

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
 Data File : VD065701.D
 Acq On : 06 May 2020 17:27
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV050620

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:05 AM

Quant Time: May 06 18:08:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 17:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	469628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	734967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	652020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	306678	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	223542	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
35) Dibromofluoromethane	7.92	113	219904	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
50) Toluene-d8	10.34	98	858248	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
62) 4-Bromofluorobenzene	12.64	95	294773	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	171518	46.564	ug/l	99
3) Chloromethane	2.21	50	228501	49.188	ug/l	98
4) Vinyl Chloride	2.35	62	233556	49.619	ug/l	95
5) Bromomethane	2.77	94	151822	51.107	ug/l	96
6) Chloroethane	2.92	64	149376	49.404	ug/l	92
7) Trichlorofluoromethane	3.27	101	351808	46.856	ug/l	98
8) Diethyl Ether	3.71	74	115065	48.916	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	219038	48.058	ug/l	98
10) Methyl Iodide	4.30	142	216433	48.410	ug/l	99
11) Tert butyl alcohol	5.23	59	92297	265.661	ug/l	99
12) 1,1-Dichloroethene	4.07	96	211632	47.245	ug/l	96
13) Acrolein	3.93	56	89843	232.437	ug/l	99
14) Allyl chloride	4.71	41	423262	47.399	ug/l	99
15) Acrylonitrile	5.43	53	270882	244.939	ug/l	98
16) Acetone	4.16	43	222793	221.831	ug/l	97
17) Carbon Disulfide	4.41	76	705209	47.875	ug/l	98
18) Methyl Acetate	4.72	43	121055	48.477	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	536442	49.390	ug/l	97
20) Methylene Chloride	4.97	84	237654	46.974	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	245130	47.802	ug/l	98
22) Diisopropyl ether	6.37	45	808272	48.672	ug/l	99
23) Vinyl Acetate	6.31	43	2479092	247.169	ug/l	100
24) 1,1-Dichloroethane	6.27	63	433657	47.670	ug/l	100
25) 2-Butanone	7.21	43	355054	238.331	ug/l	99
26) 2,2-Dichloropropane	7.21	77	380379	46.441	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	273485	49.149	ug/l	98
28) Bromochloromethane	7.55	49	189566	49.962	ug/l	97
29) Tetrahydrofuran	7.57	42	237175	247.005	ug/l	99
30) Chloroform	7.71	83	425450	48.600	ug/l	98
31) Cyclohexane	7.98	56	421087	44.734	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	382997	47.197	ug/l	100
36) 1,1-Dichloropropene	8.11	75	341588	46.798	ug/l	98
37) Ethyl Acetate	7.30	43	167049	47.530	ug/l	98
38) Carbon Tetrachloride	8.10	117	342357	47.307	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	435336	47.507	ug/l	98
40) Benzene	8.36	78	960133	48.165	ug/l	99
41) Methacrylonitrile	7.53	41	92914m	45.833	ug/l	
42) 1,2-Dichloroethane	8.43	62	275846	48.089	ug/l	98
43) Isopropyl Acetate	8.46	43	341413	48.577	ug/l	99
44) Trichloroethene	9.11	130	265535	48.337	ug/l	94
45) 1,2-Dichloropropane	9.39	63	248521	48.208	ug/l	96
46) Dibromomethane	9.48	93	125401	48.495	ug/l	98
47) Bromodichloromethane	9.67	83	332231	48.045	ug/l	99
48) Methyl methacrylate	9.46	41	168562	47.899	ug/l	98
49) 1,4-Dioxane	9.47	88	32600	1028.470	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	833142	245.967	ug/l	99
52) Toluene	10.41	92	613413	48.660	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	343251	49.006	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	393564	47.696	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	172330	49.434	ug/l	98
56) Ethyl methacrylate	10.67	69	247876	49.245	ug/l	97
57) 1,3-Dichloropropane	10.95	76	308664	49.250	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	570703	246.977	ug/l	99
59) 2-Hexanone	10.99	43	569020	244.243	ug/l	99
60) Dibromochloromethane	11.14	129	227464	48.573	ug/l	99
61) 1,2-Dibromoethane	11.25	107	171594	48.922	ug/l	99
64) Tetrachloroethene	10.88	164	221033	47.635	ug/l	98
65) Chlorobenzene	11.68	112	636200	48.430	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	238680	48.730	ug/l	99
67) Ethyl Benzene	11.75	91	1180183	48.157	ug/l	98
68) m/p-Xylenes	11.86	106	885739	96.949	ug/l	99
69) o-Xylene	12.18	106	409727	48.061	ug/l	100
70) Styrene	12.20	104	711260	48.525	ug/l	100
71) Bromoform	12.37	173	136307	49.459	ug/l #	100
73) Isopropylbenzene	12.48	105	1124221	48.382	ug/l	100
74) N-amyl acetate	12.30	43	321728	48.500	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	189202	48.557	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	130395m	50.342	ug/l	
77) Bromobenzene	12.77	156	266592	50.033	ug/l	97
78) n-propylbenzene	12.83	91	1321323	48.293	ug/l	100
79) 2-Chlorotoluene	12.91	91	745930	48.254	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	921338	48.296	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	72789	49.745	ug/l	96
82) 4-Chlorotoluene	13.01	91	772070	47.729	ug/l	99
83) tert-Butylbenzene	13.23	119	786505	48.435	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	911605	47.972	ug/l	99
85) sec-Butylbenzene	13.41	105	1112437	48.838	ug/l	100
86) p-Isopropyltoluene	13.53	119	1004504	48.394	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	489538	48.882	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	485924	49.179	ug/l	99
89) n-Butylbenzene	13.85	91	957596	47.617	ug/l	99
90) Hexachloroethane	14.12	117	200782	48.566	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	425240	49.208	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	32288	49.299	ug/l	93

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ClientSampleId :
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QLast Update : Wed May 06 17:01:16 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	313586	48.365	ug/l	99
94) Hexachlorobutadiene	15.28	225	183087	48.725	ug/l	99
95) Naphthalene	15.41	128	568069	49.842	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	272808	49.464	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

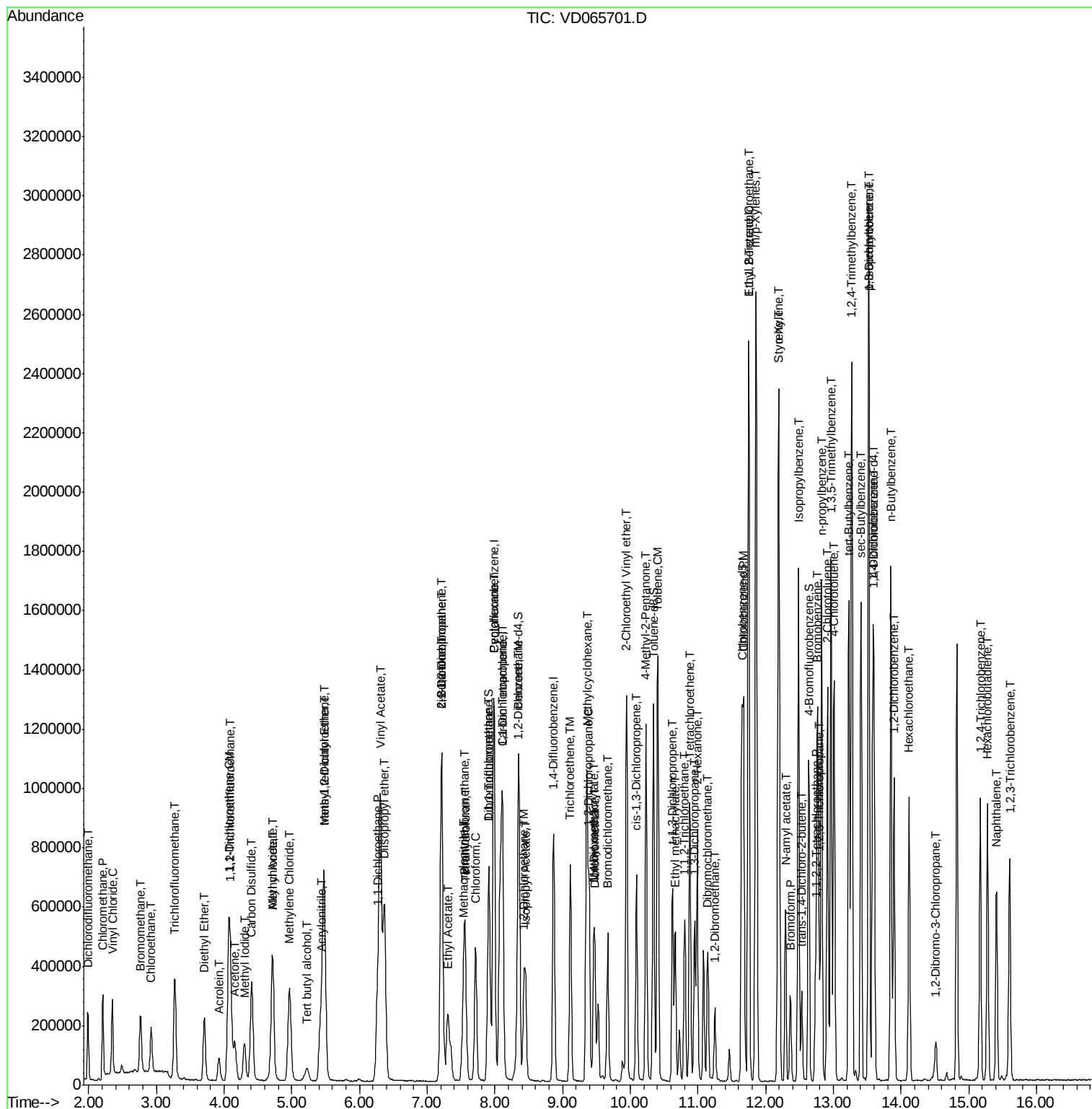
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050620\
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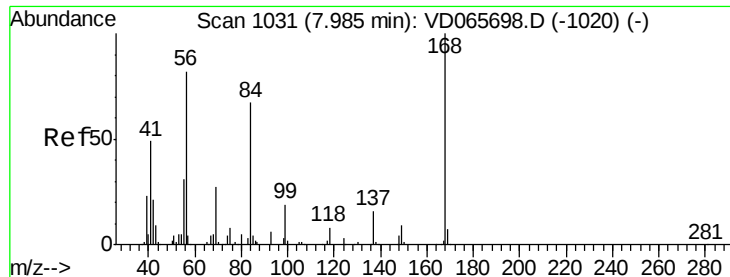
Instrument :
 MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050620

Tot Ion:168 Resp: 469628

Ion Ratio Lower Upper

168 100

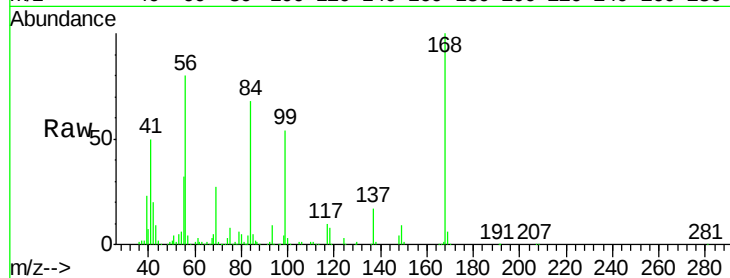
99 53.3 44.2 66.4

Manual Integrations

APPROVED

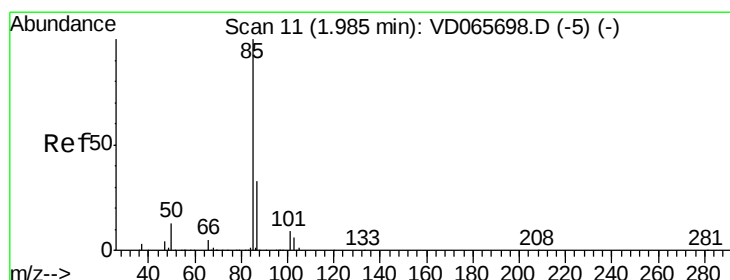
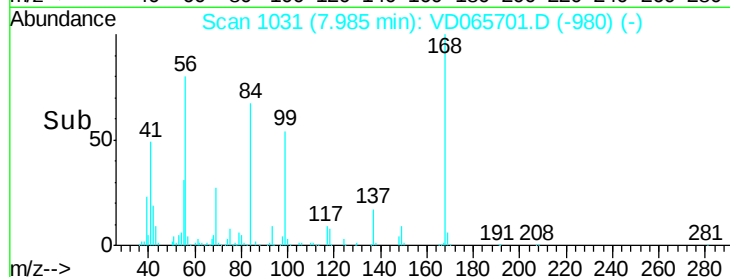
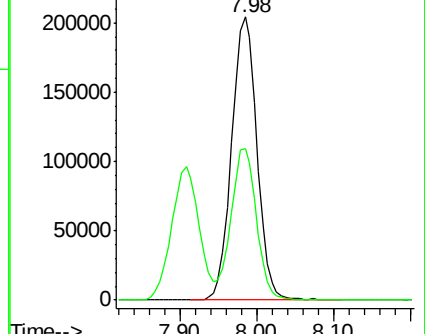
MMDadoda

5/7/2020 10:36:05 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 46.564 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065701.D

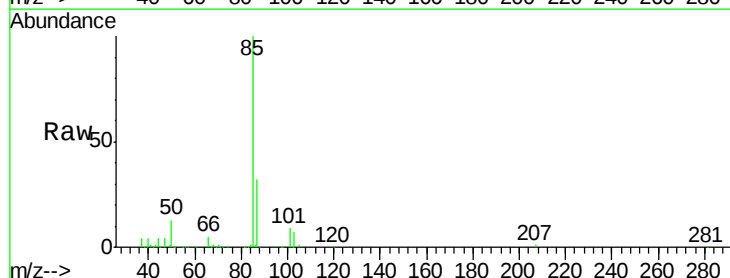
Acq: 06 May 2020 17:27

Tgt Ion: 85 Resp: 171518

Ion Ratio Lower Upper

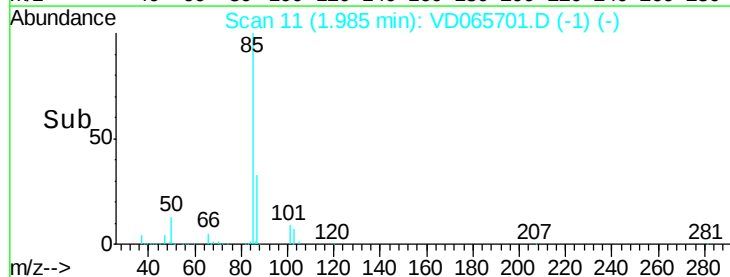
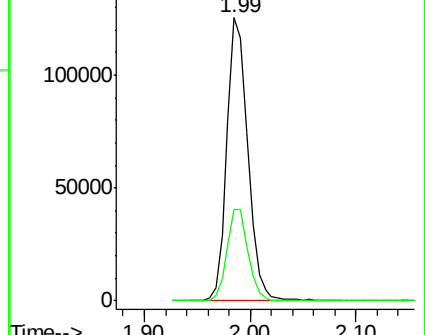
85 100

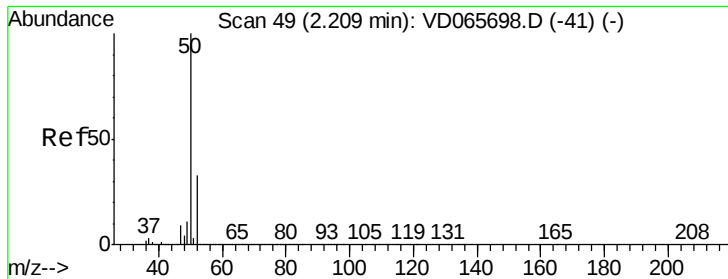
87 32.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.188 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050620

Tot Ion: 50 Resp: 228501

Ion Ratio Lower Upper

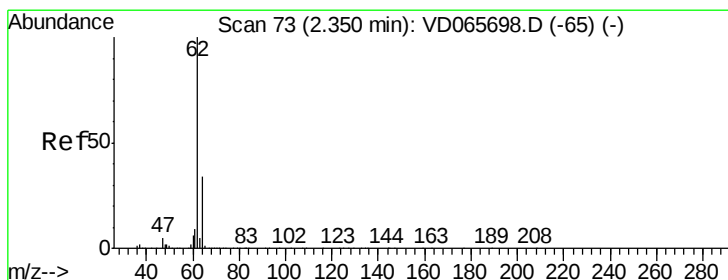
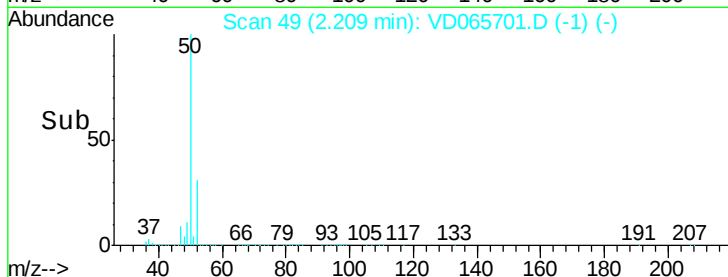
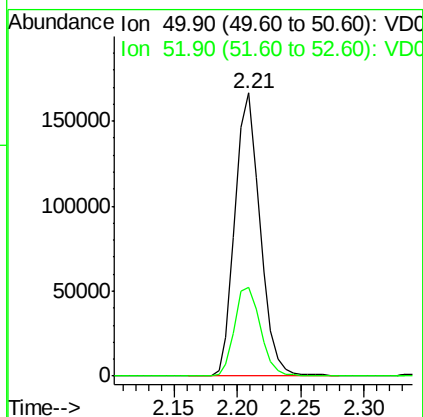
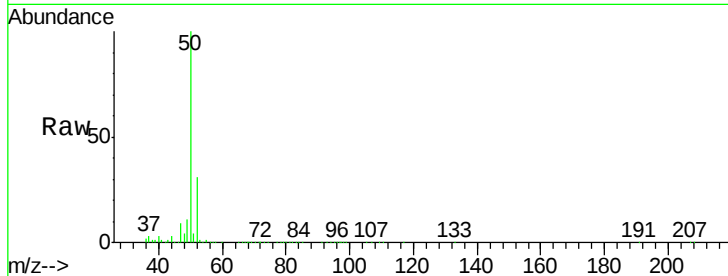
50 100

52 31.3 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 49.619 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065701.D

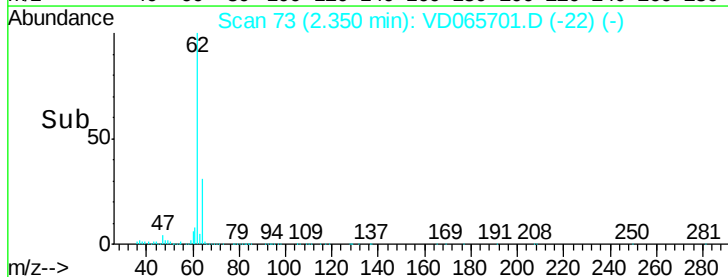
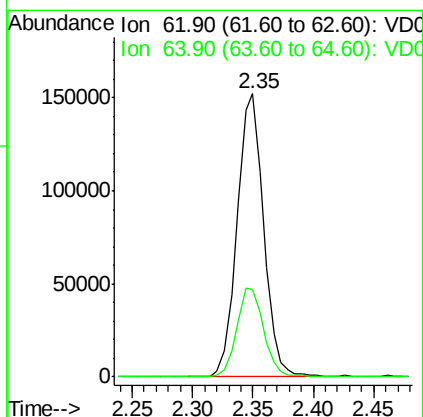
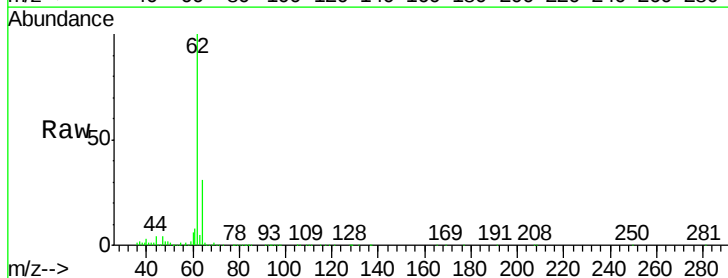
Acq: 06 May 2020 17:27

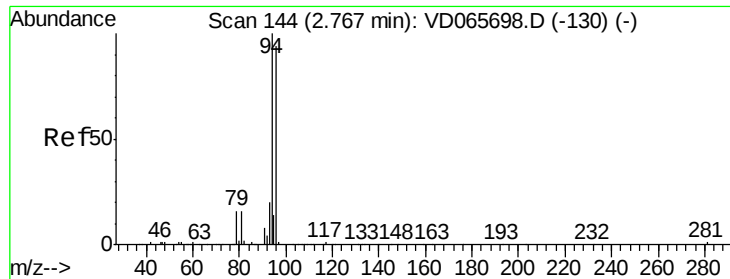
Tgt Ion: 62 Resp: 233556

Ion Ratio Lower Upper

62 100

64 31.1 27.2 40.8





#5

Bromomethane

Concen: 51.107 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050620

Tot Ion: 94 Resp: 151822

Ion Ratio Lower Upper

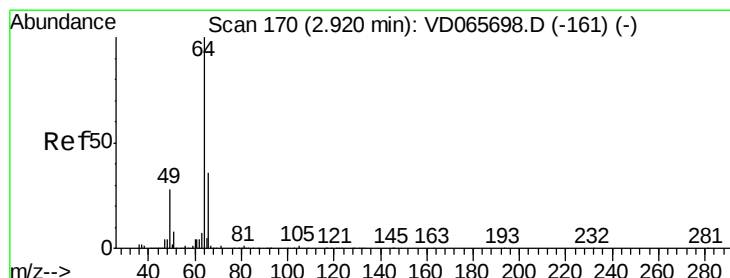
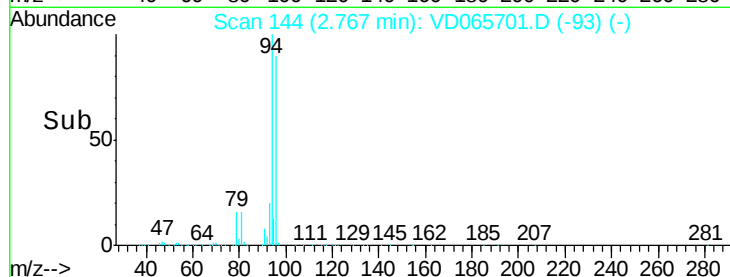
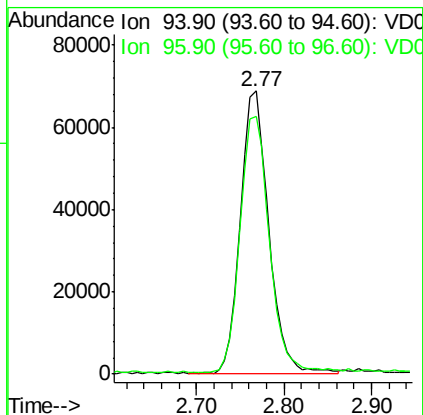
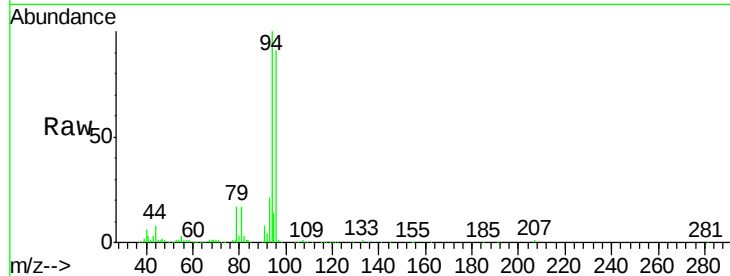
94 100

96 90.4 75.0 112.6

Manual Integrations
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#6

Chloroethane

Concen: 49.404 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065701.D

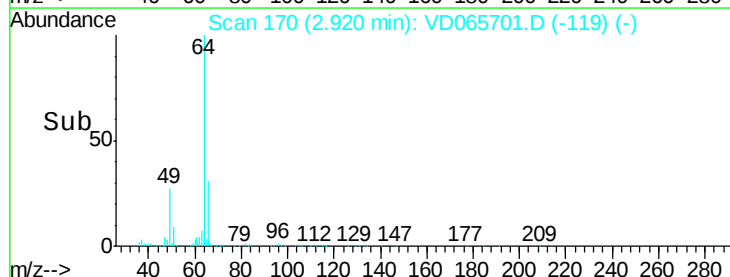
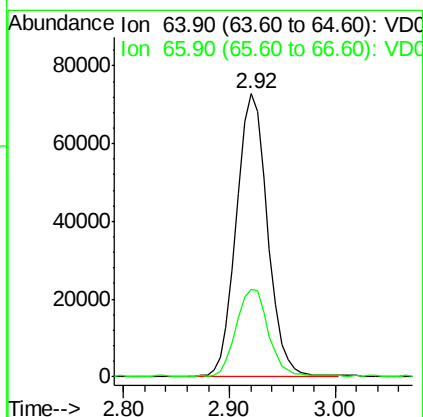
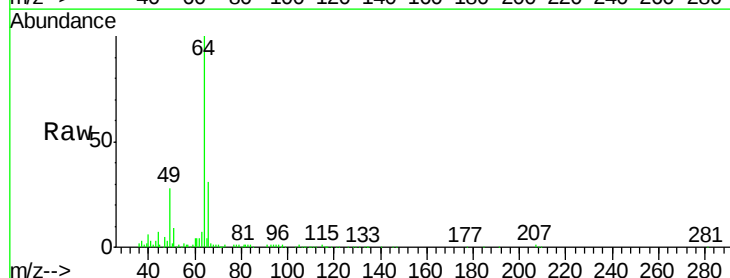
Acq: 06 May 2020 17:27

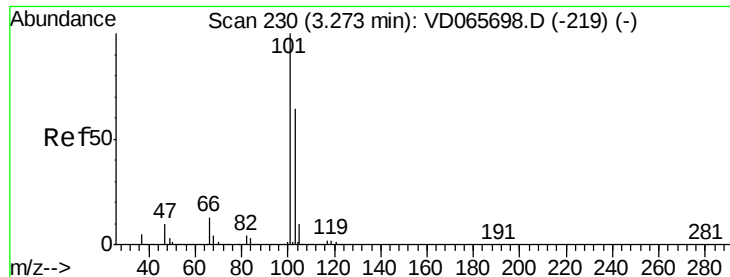
Tgt Ion: 64 Resp: 149376

Ion Ratio Lower Upper

64 100

66 30.8 28.5 42.7





#7

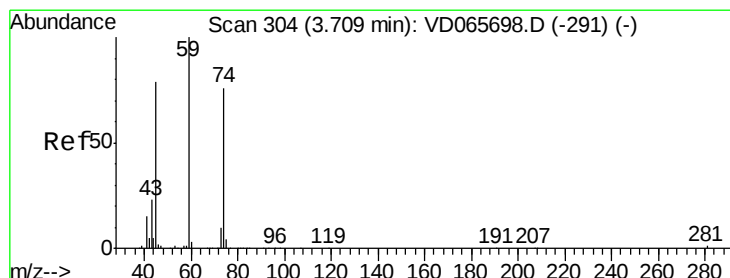
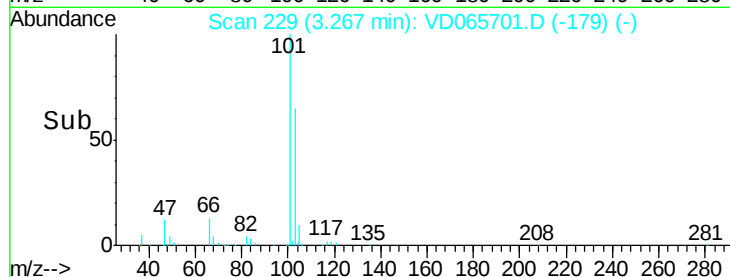
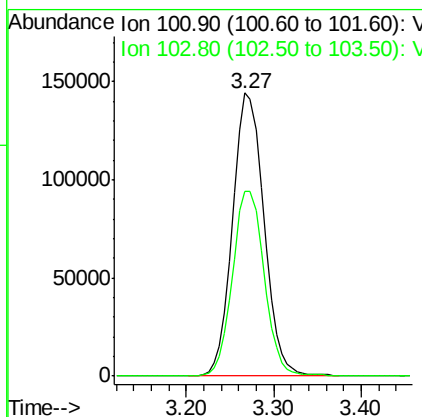
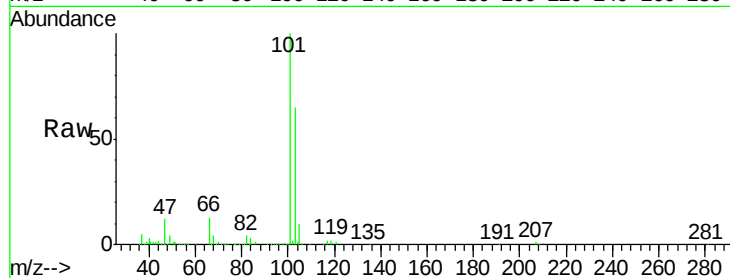
Trichlorofluoromethane
Concen: 46.856 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
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ICVVD050620

Tot Ion	Ratio	Resp	Lower	Upper
101	100	351808		
103	65.2	51.1	76.7	

Manual Integrations
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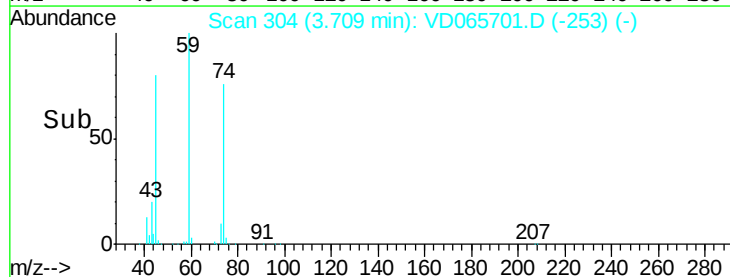
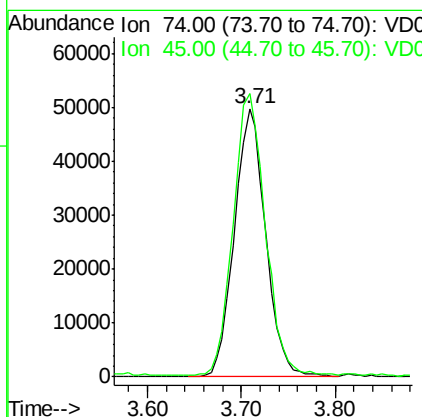
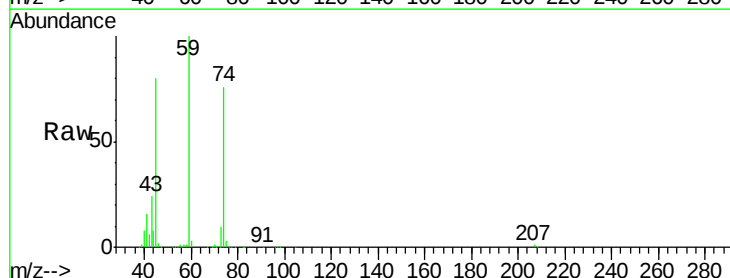
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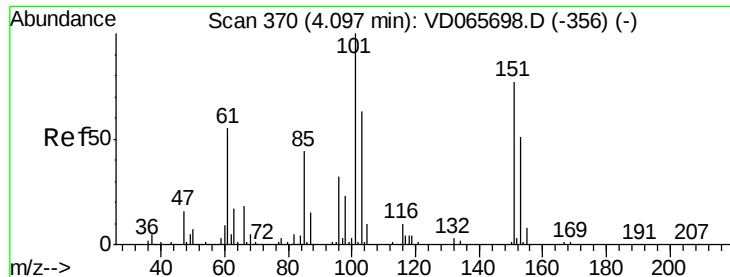


#8

Diethyl Ether
Concen: 48.916 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	115065		
45	107.7	55.0	165.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.058 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

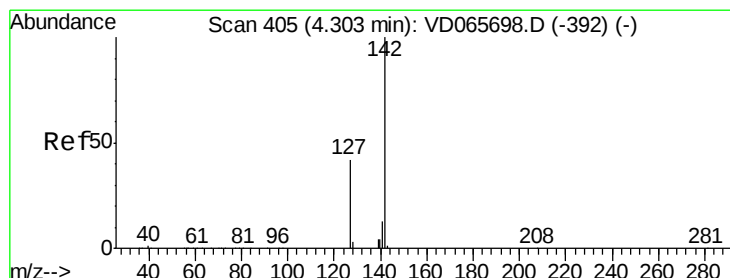
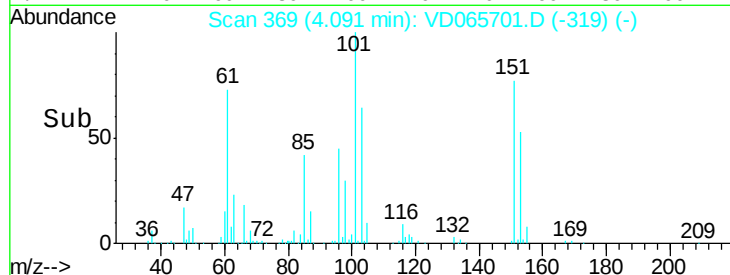
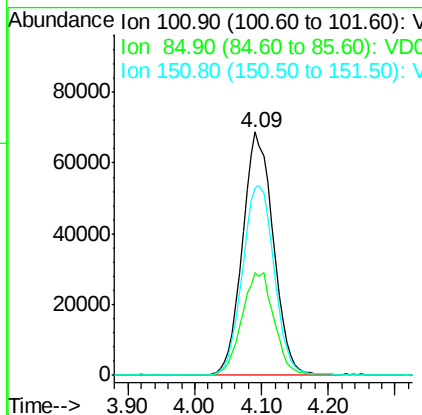
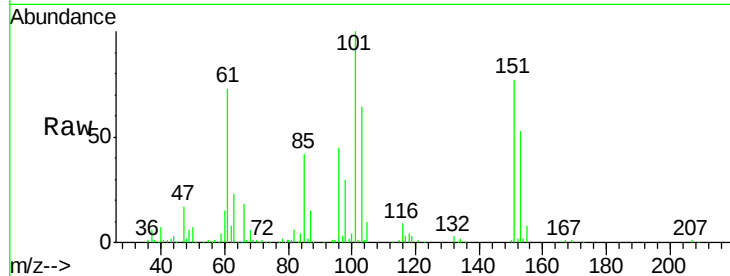
ClientSampleId :

ICVVD050620

Tot Ion:	101	Resp:	219038
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.4	51.6
151	80.3	63.0	94.4

Manual Integrations
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#10

Methyl Iodide

Concen: 48.410 ug/l

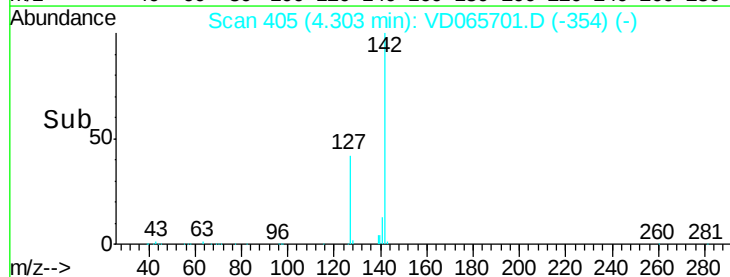
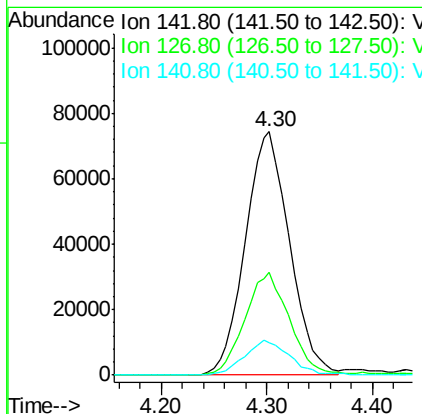
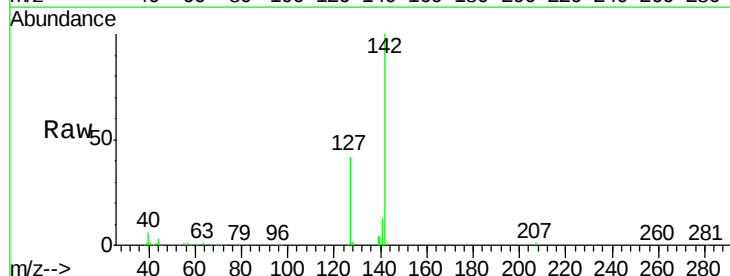
RT: 4.30 min Scan# 405

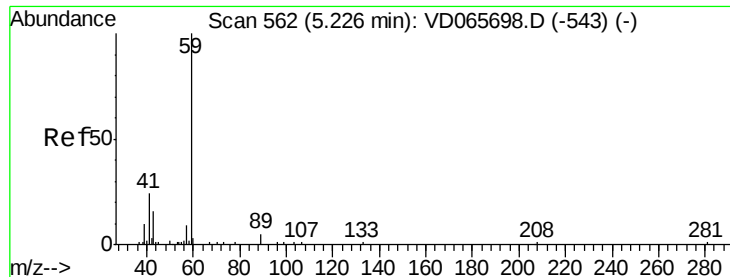
Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Tgt Ion:	142	Resp:	216433
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.5	51.7
141	14.2	11.6	17.4





#11

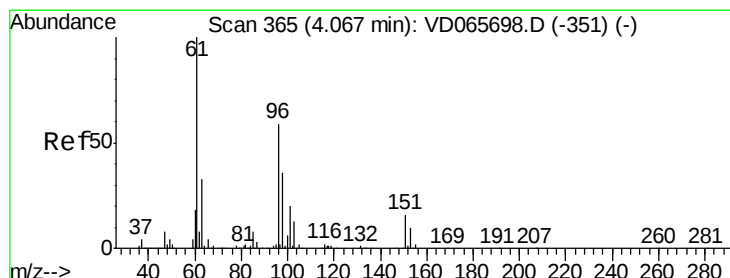
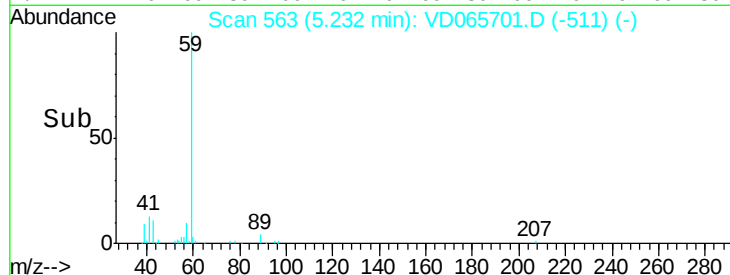
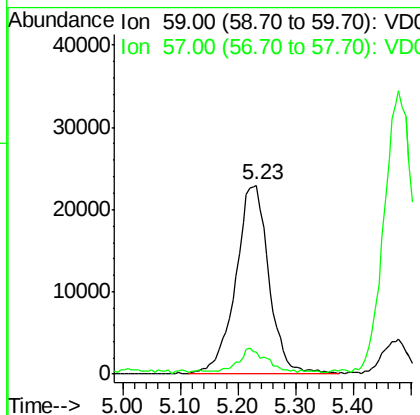
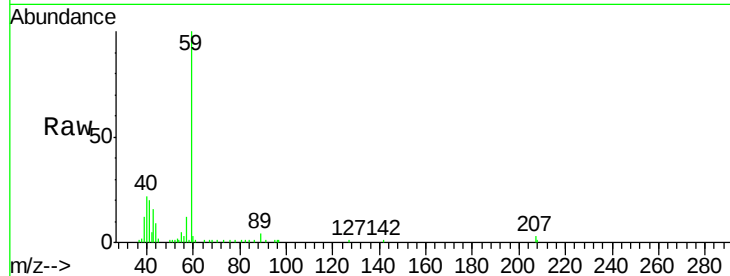
Tert butyl alcohol
Concen: 265.661 ug/l
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050620

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.7	13.1

Manual Integrations
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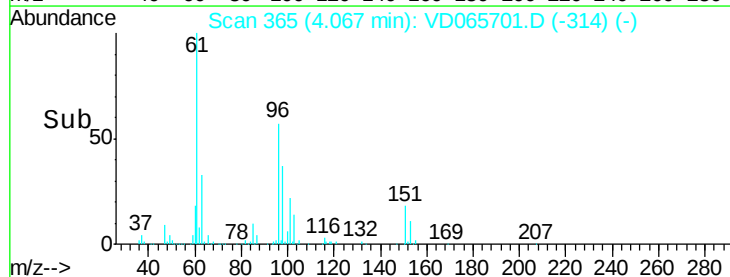
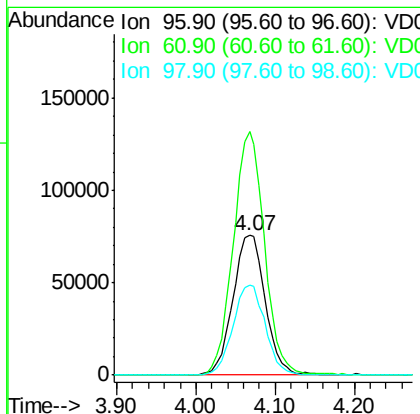
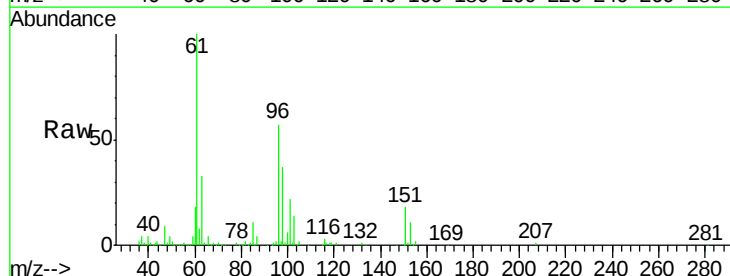
MMDadoda
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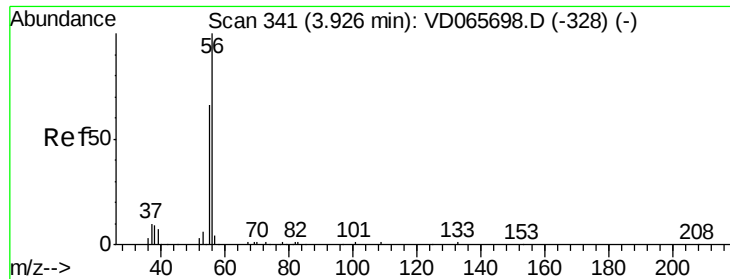


#12

1,1-Dichloroethene
Concen: 47.245 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.0	136.0	204.0
98	64.6	49.7	74.5





#13

Acrolein

Concen: 232.437 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050620

Tot Ion: 56 Resp: 89843

Ion Ratio Lower Upper

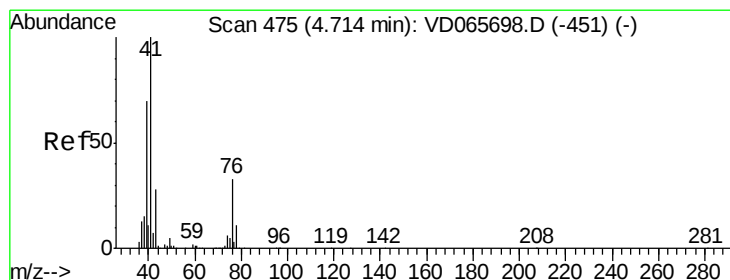
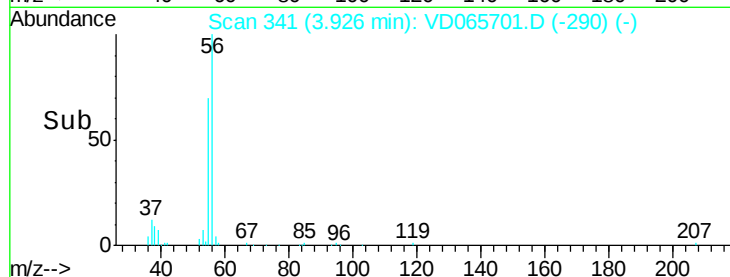
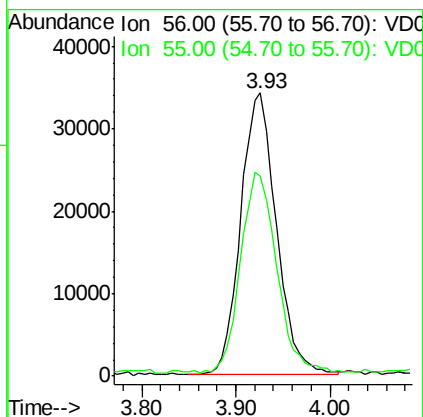
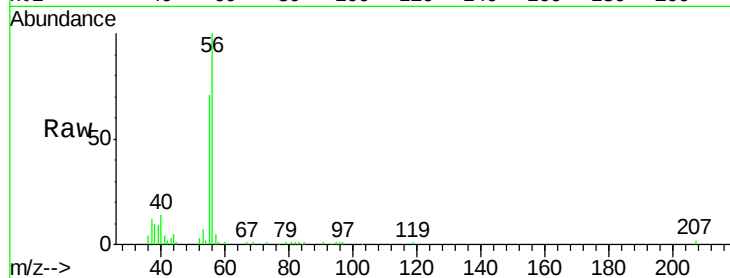
56 100

55 72.1 56.7 85.1

Manual Integrations
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#14

Allyl chloride

Concen: 47.399 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

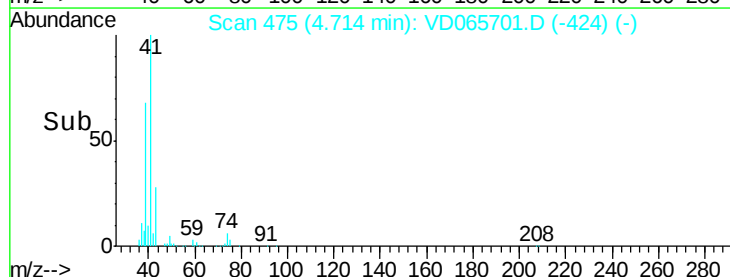
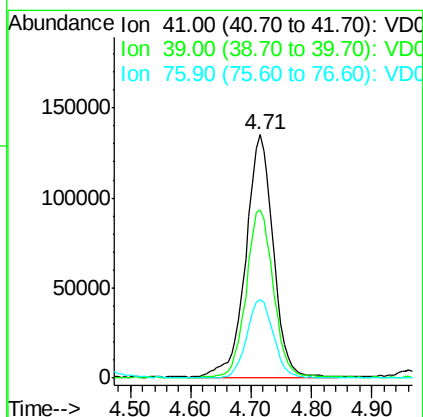
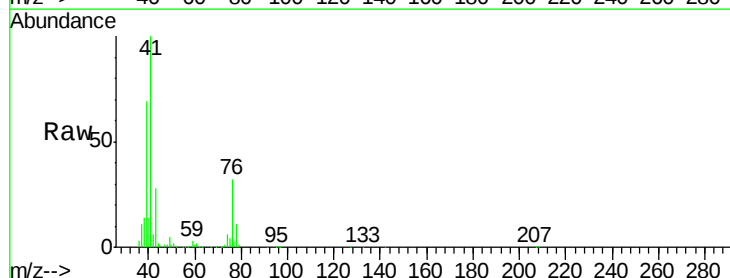
Tgt Ion: 41 Resp: 423262

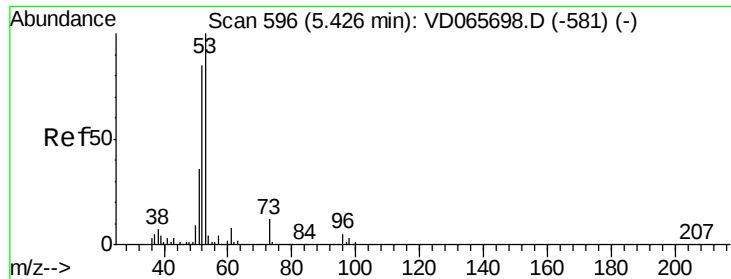
Ion Ratio Lower Upper

41 100

39 68.4 55.6 83.4

76 31.6 25.6 38.4





#15

Acrylonitrile

Concen: 244.939 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

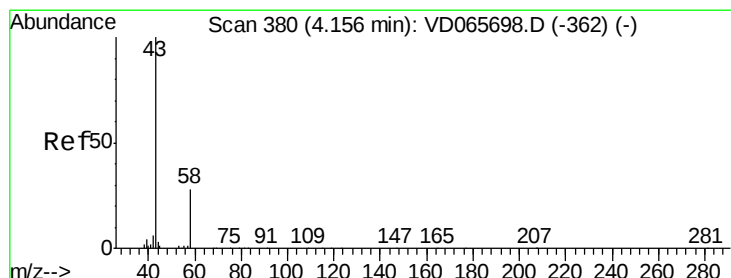
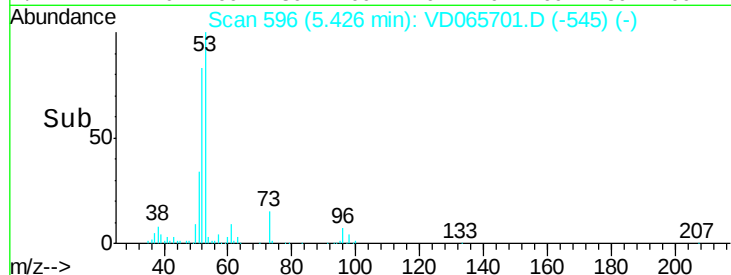
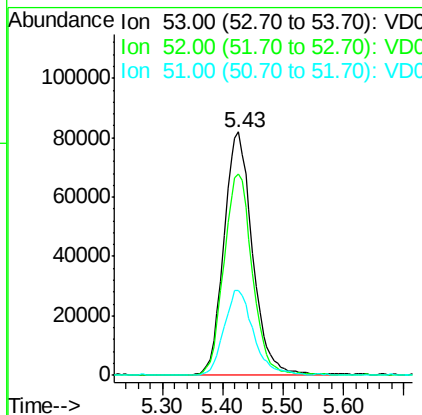
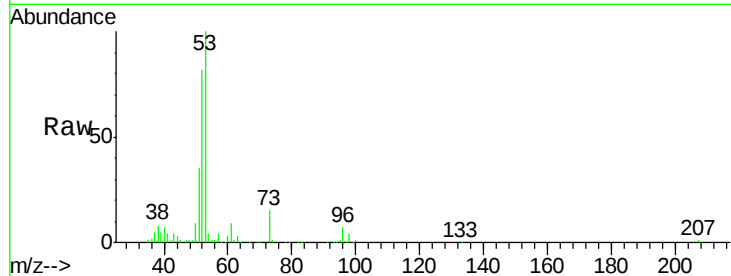
ClientSampleId :

ICVVD050620

Tot Ion:	53	Resp:	270882
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.2	99.2
51	36.0	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 221.831 ug/l

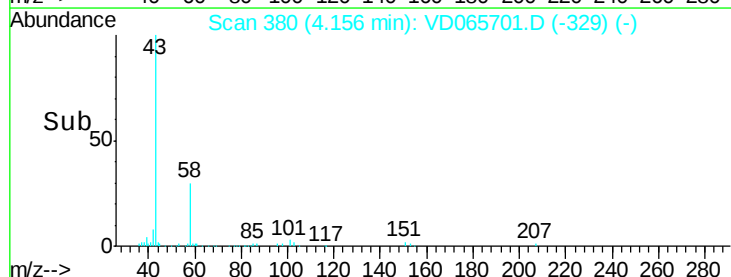
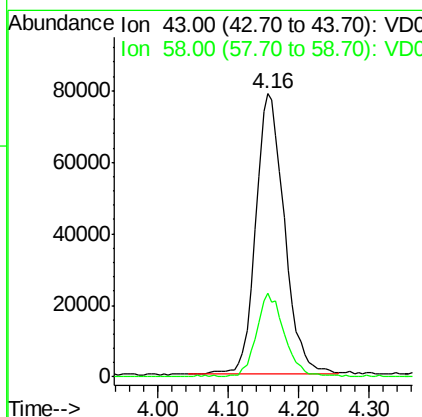
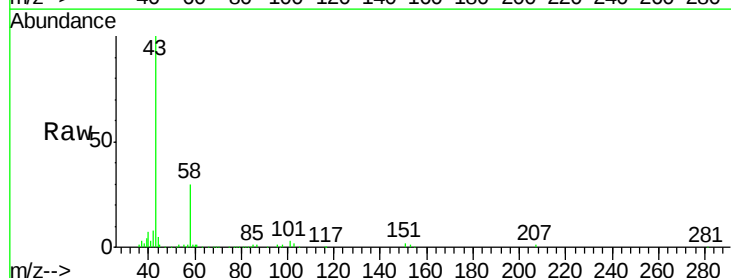
RT: 4.16 min Scan# 380

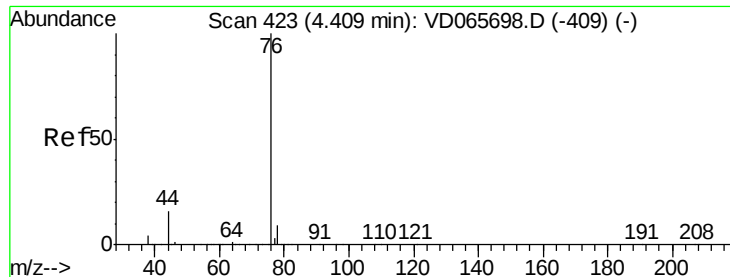
Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Tgt Ion:	43	Resp:	222793
Ion	Ratio	Lower	Upper
43	100		
58	29.7	22.5	33.7





#17

Carbon Disulfide

Concen: 47.875 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050620

Tot Ion: 76 Resp: 705209

Ion Ratio Lower Upper

76 100

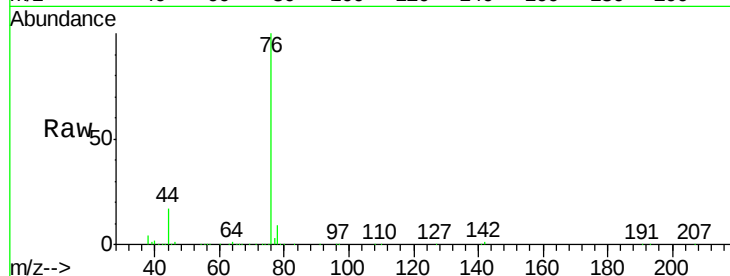
78 9.2 6.8 10.2

Manual Integrations

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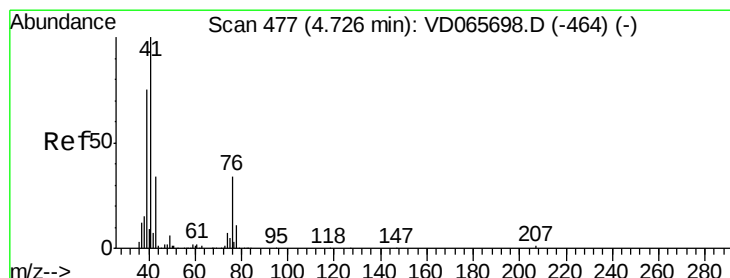
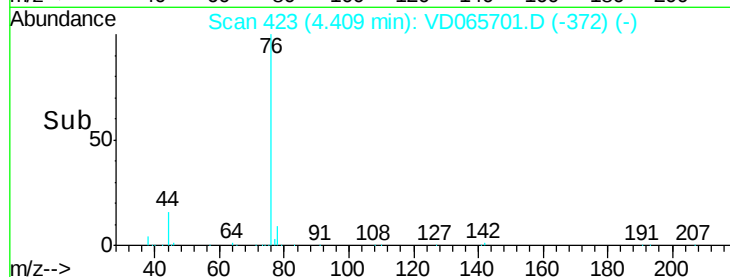
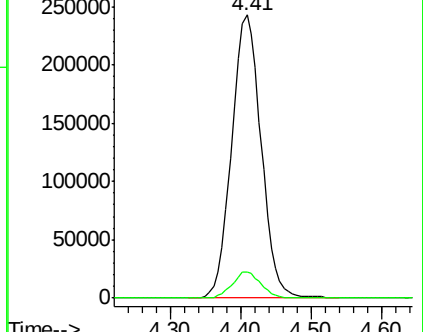
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 48.477 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065701.D

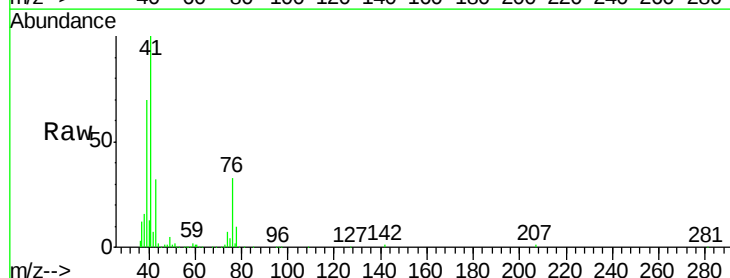
Acq: 06 May 2020 17:27

Tgt Ion: 43 Resp: 121055

Ion Ratio Lower Upper

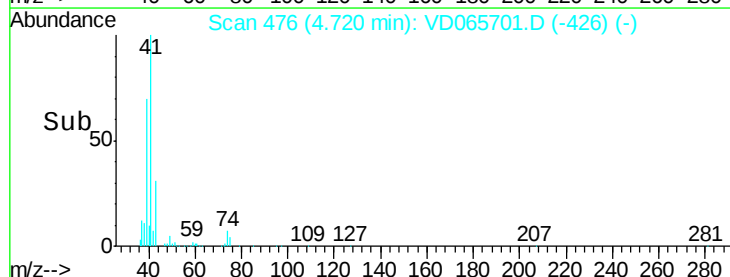
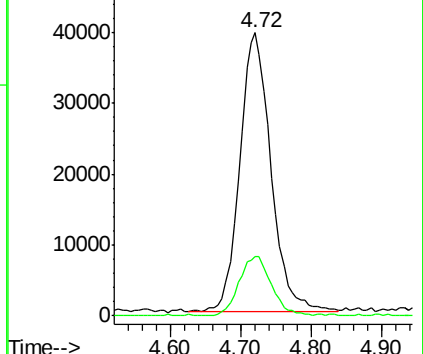
43 100

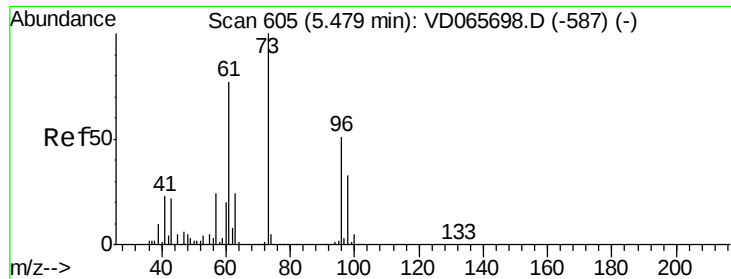
74 22.2 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

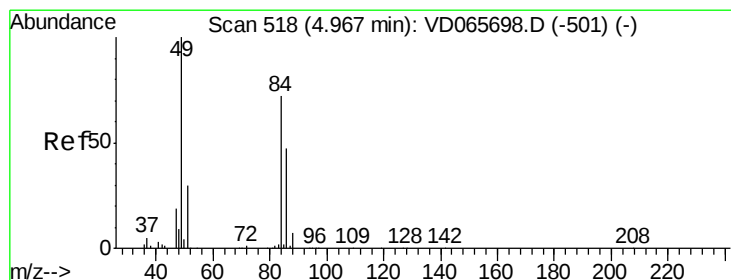
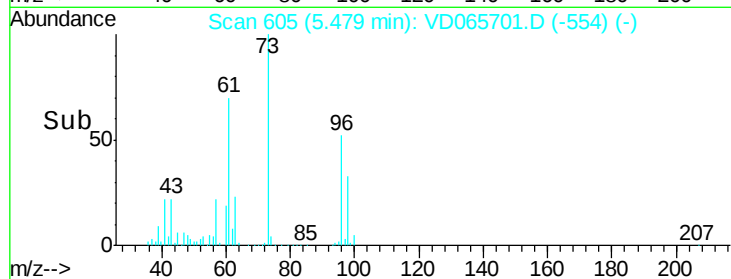
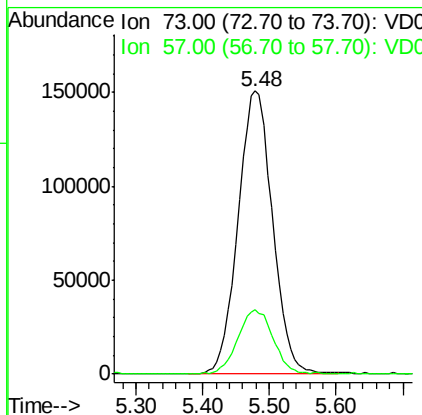
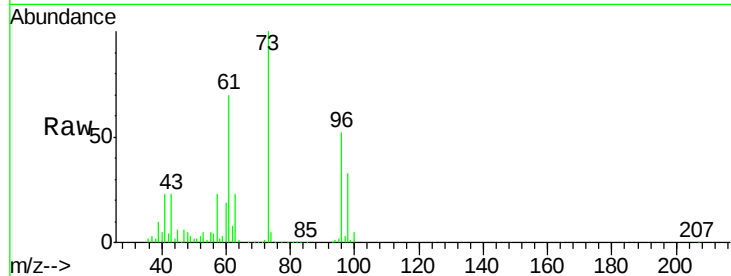
Methyl tert-butyl Ether
 Concen: 49.390 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050620

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	19.4	29.0

Manual Integrations
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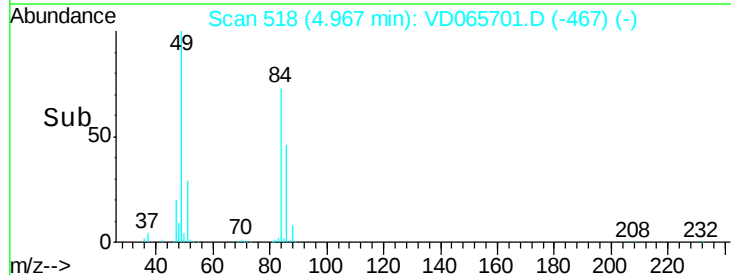
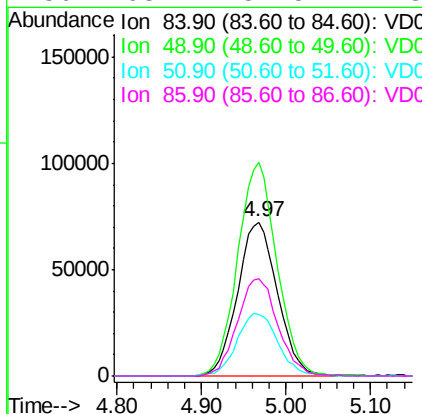
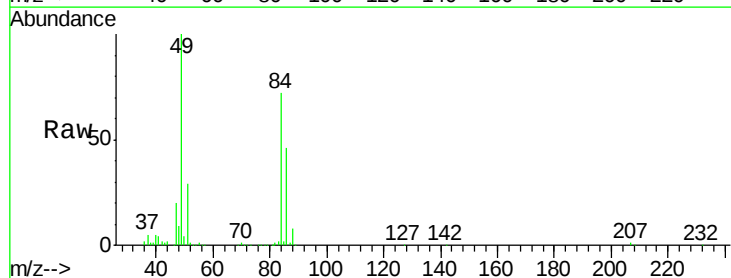
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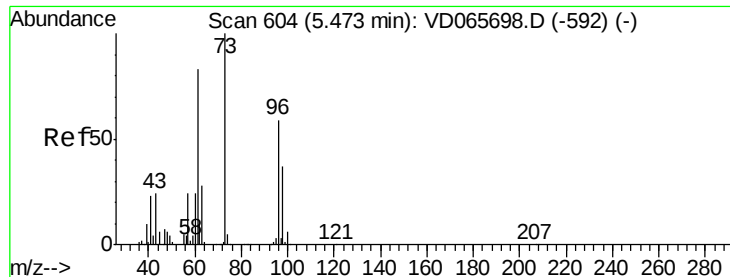


#20

Methylene Chloride
 Concen: 46.974 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.4	110.4	165.6
51	39.9	33.4	50.2
86	63.4	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 47.802 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

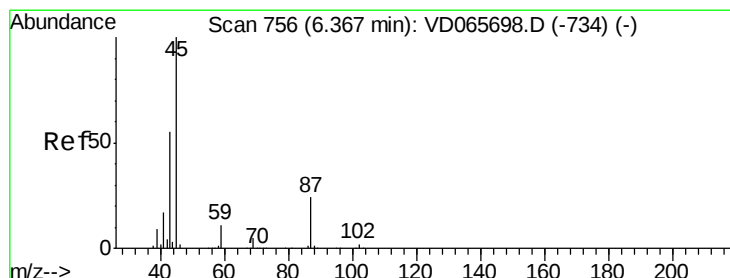
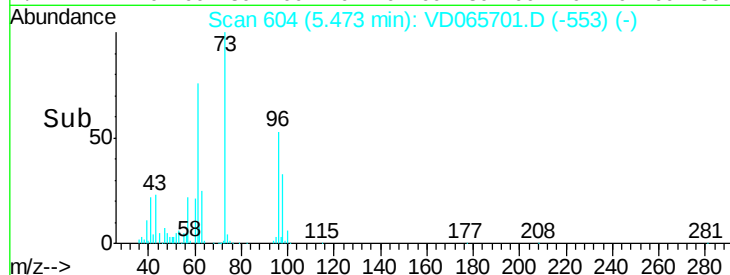
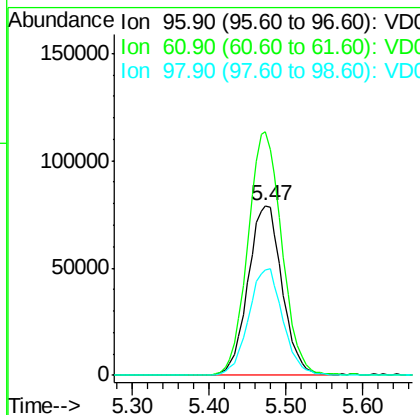
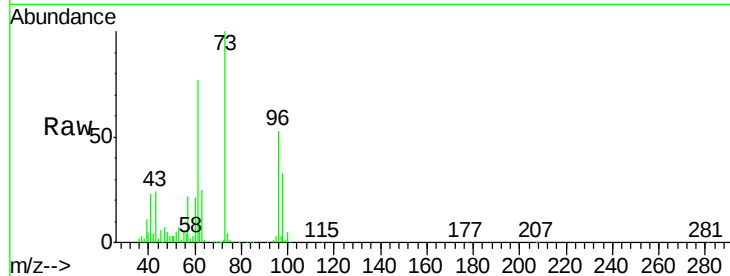
ClientSampleId :

ICVVD050620

Tot Ion:	96	Resp:	245130
Ion	Ratio	Lower	Upper
96	100		
61	143.8	113.0	169.4
98	62.4	49.5	74.3

Manual Integrations
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MMDadoda
5/7/2020 10:36:05 AM



#22

Diisopropyl ether

Concen: 48.672 ug/l

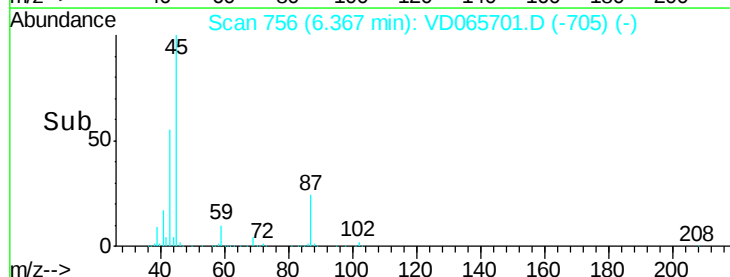
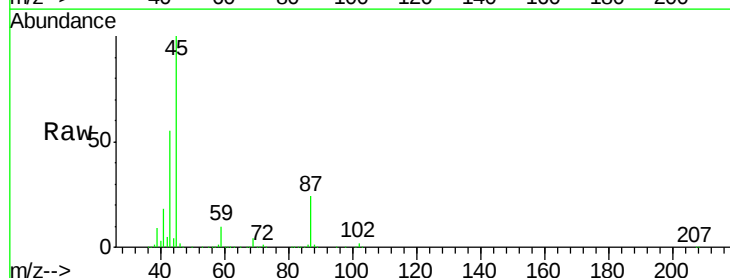
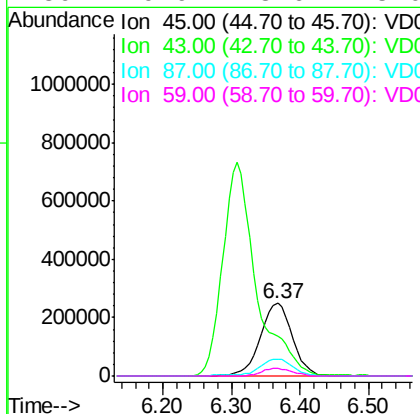
RT: 6.37 min Scan# 756

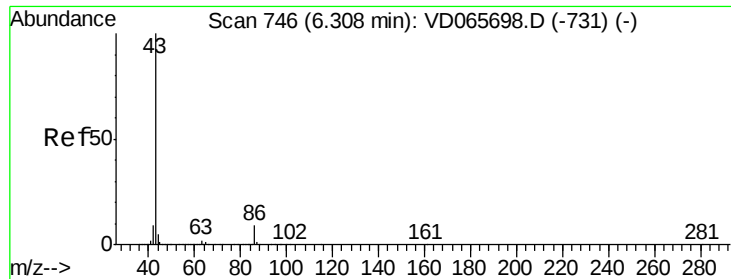
Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Tgt Ion:	45	Resp:	808272
Ion	Ratio	Lower	Upper
45	100		
43	54.7	44.2	66.4
87	23.4	19.0	28.4
59	9.9	8.6	13.0





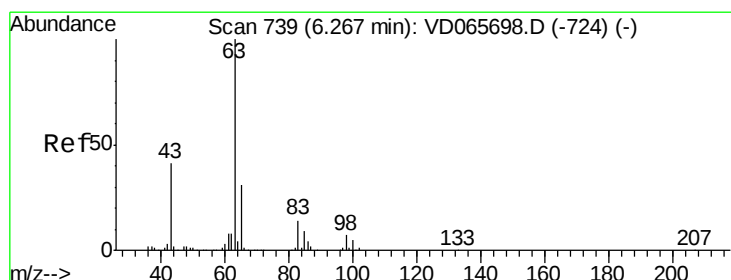
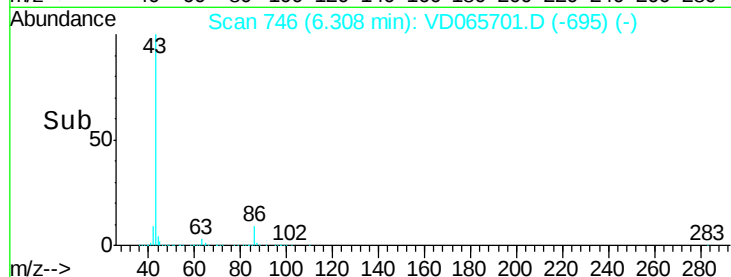
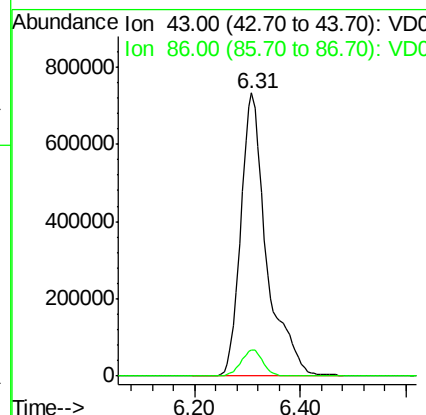
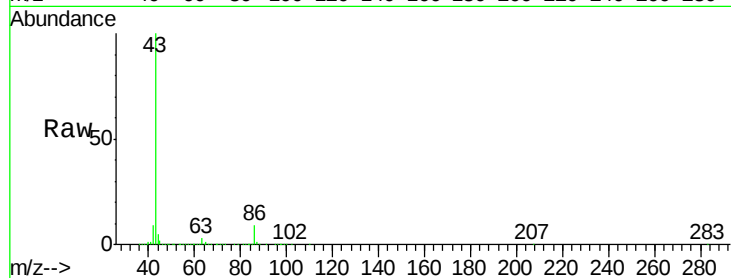
#23
 Vinyl Acetate
 Concen: 247.169 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050620

Tot Ion: 43 Resp: 2479092
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.0

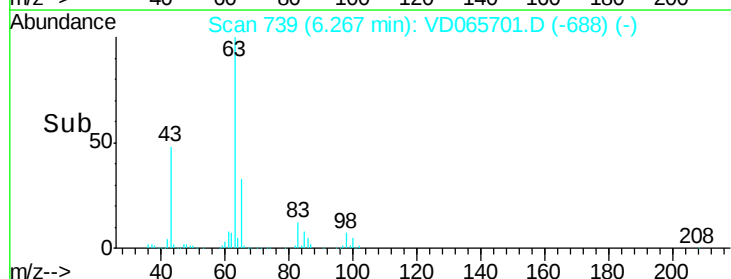
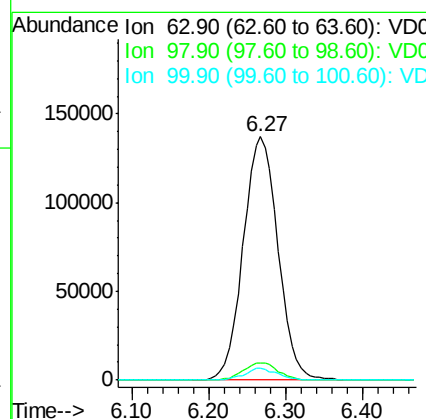
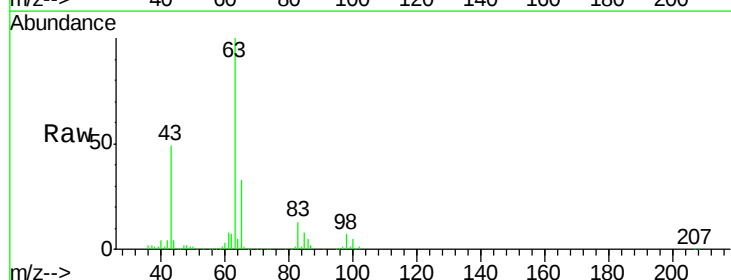
Manual Integrations
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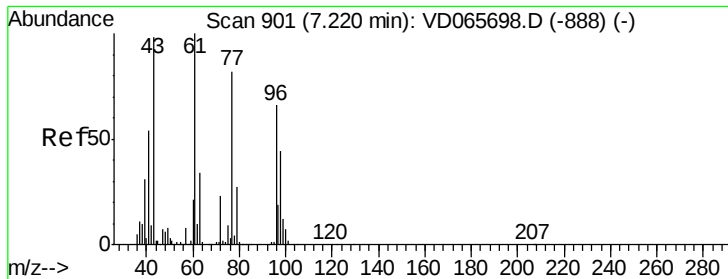
MMDadoda
 5/7/2020 10:36:05 AM



#24
 1,1-Dichloroethane
 Concen: 47.670 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Tgt Ion: 63 Resp: 433657
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.2
 100 4.7 2.3 6.9





#25

2-Butanone

Concen: 238.331 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050620

Tot Ion: 43 Resp: 355054

Ion Ratio Lower Upper

43 100

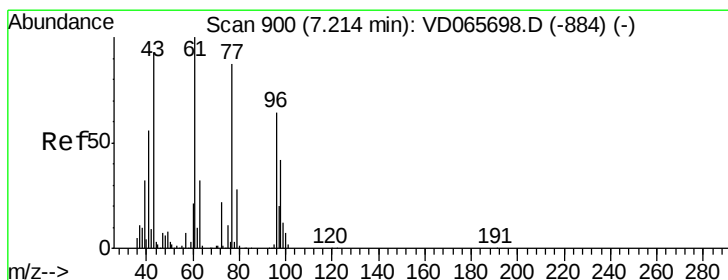
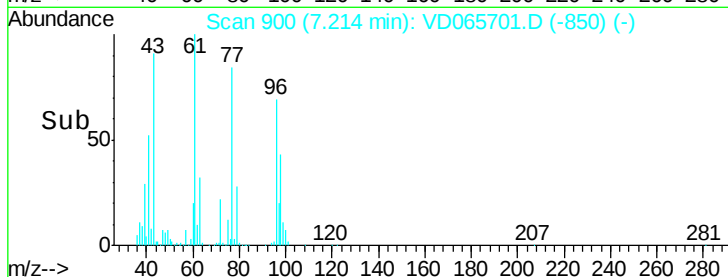
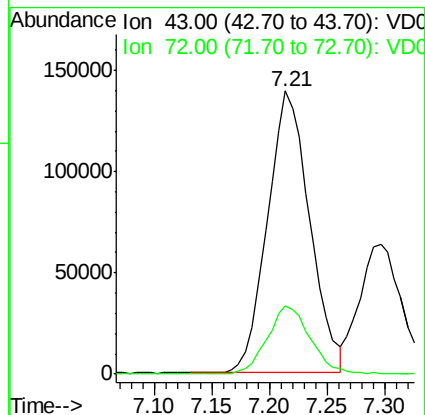
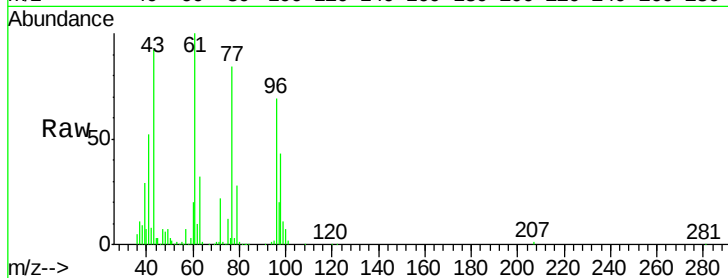
72 24.4 19.2 28.8

Manual Integrations

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5/7/2020 10:36:05 AM



#26

2,2-Dichloropropane

Concen: 46.441 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065701.D

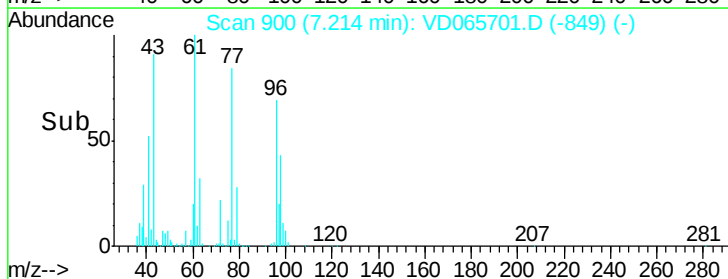
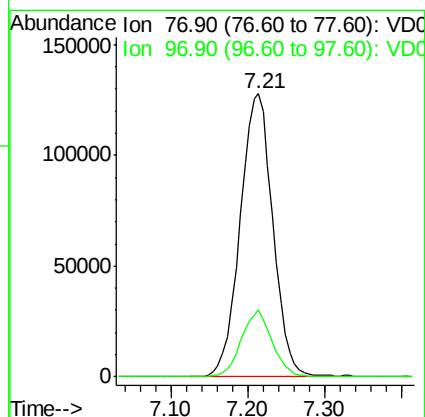
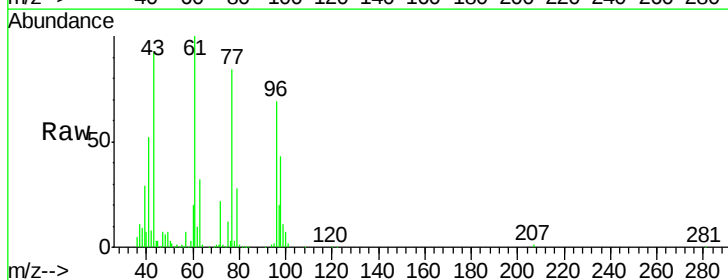
Acq: 06 May 2020 17:27

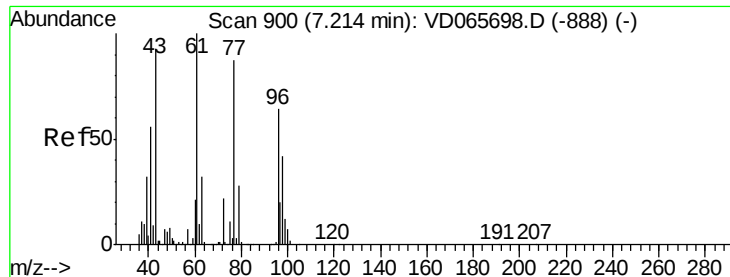
Tgt Ion: 77 Resp: 380379

Ion Ratio Lower Upper

77 100

97 22.2 11.3 33.9





#27

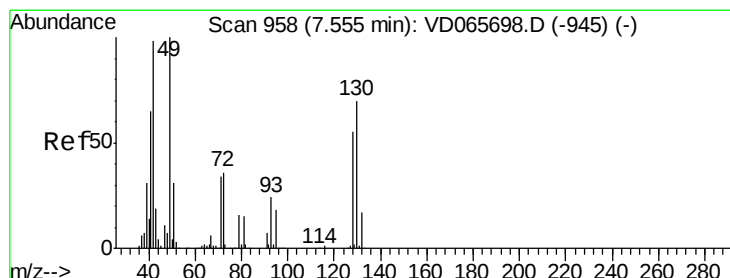
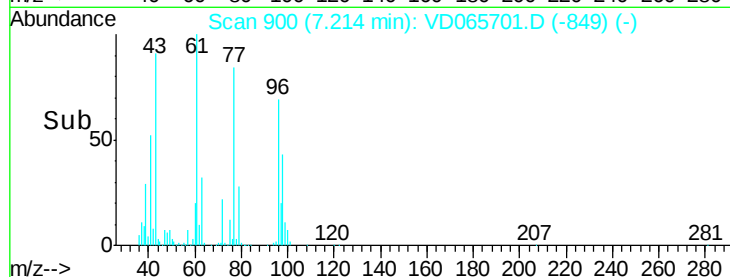
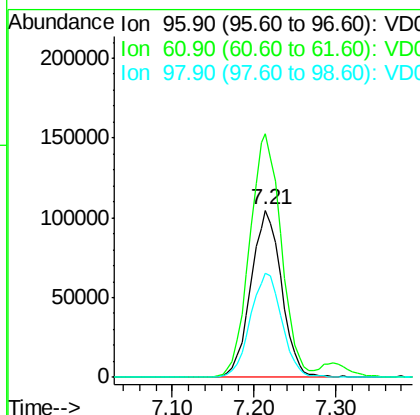
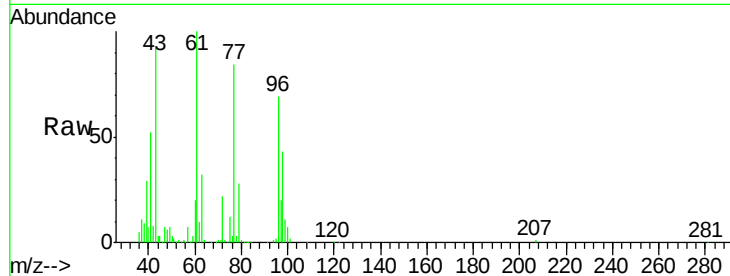
cis-1,2-Dichloroethene
Concen: 49.149 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050620

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		273485		
61	150.2	0.0	306.6		
98	63.9	0.0	129.4		

Manual Integrations
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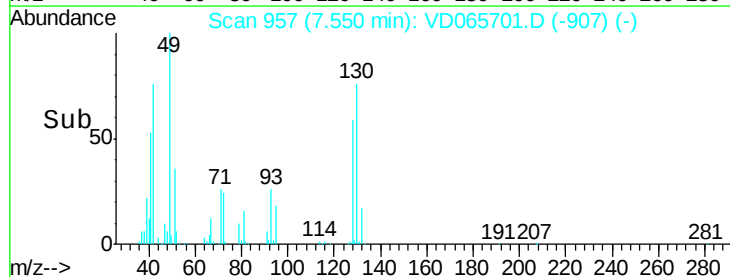
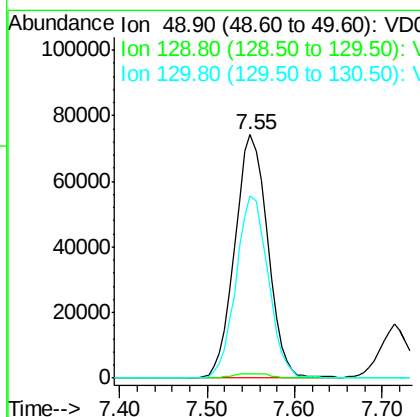
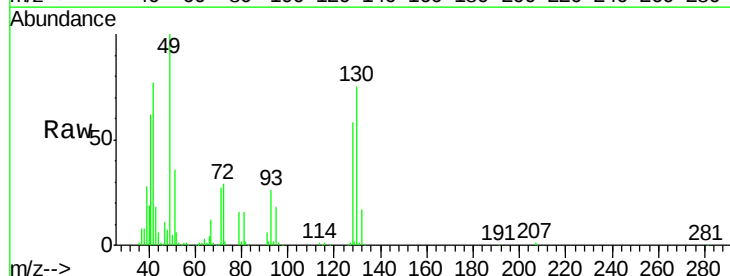
MMDadoda
5/7/2020 10:36:05 AM

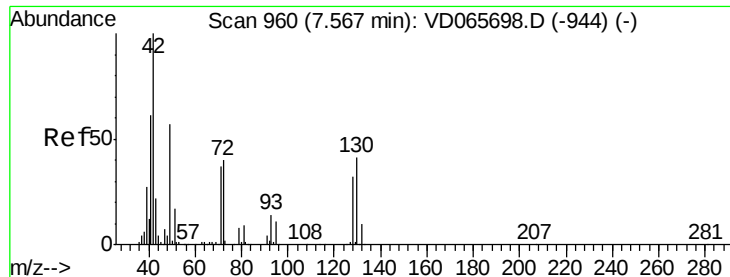


#28

Bromochloromethane
Concen: 49.962 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		189566		
129	2.1	0.0	3.8		
130	73.2	56.4	84.6		





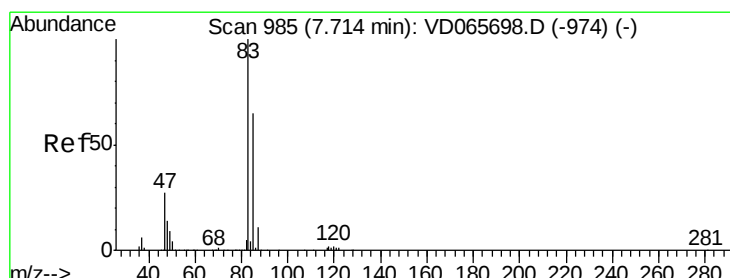
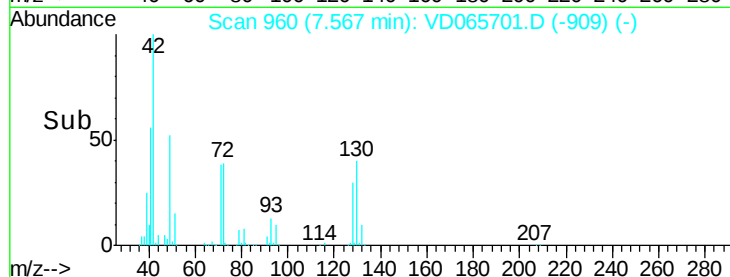
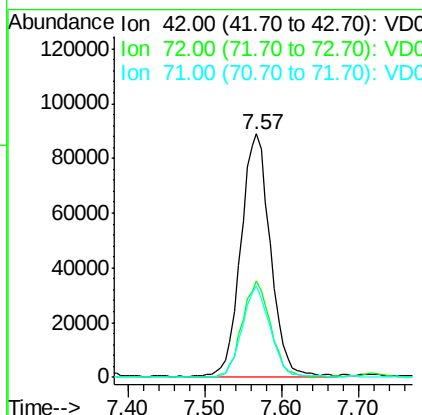
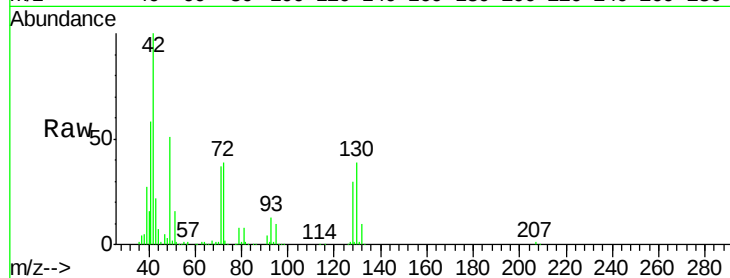
#29
Tetrahydrofuran
Concen: 247.005 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050620

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	30.4	45.6
71	35.7	28.0	42.0

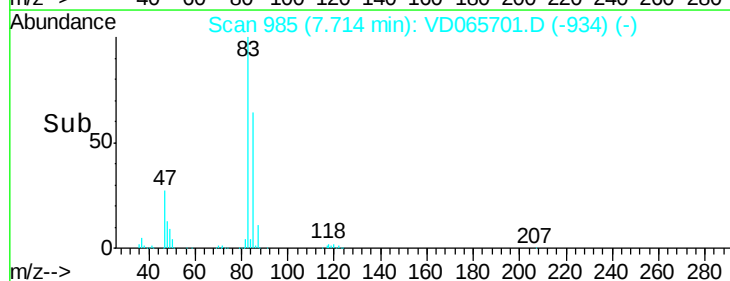
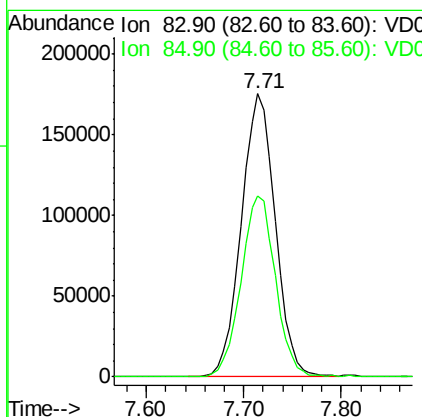
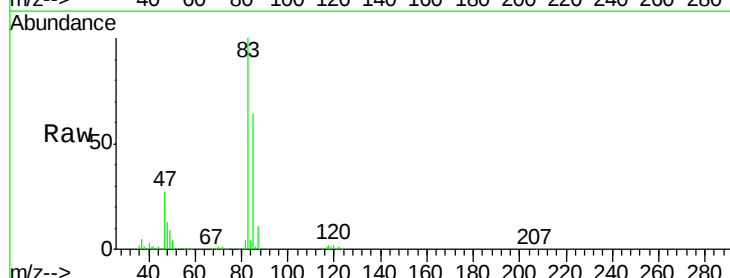
Manual Integrations
APPROVED

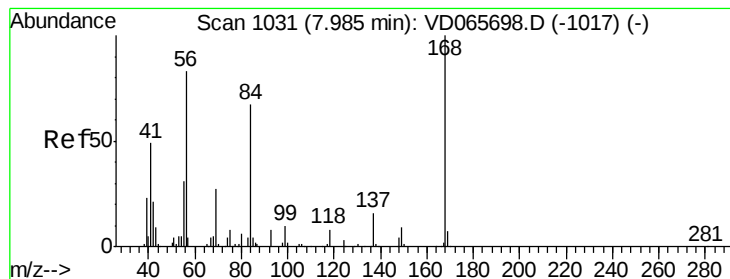
MMDadoda
5/7/2020 10:36:05 AM



#30
Chloroform
Concen: 48.600 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.1	78.1





#31

Cyclohexane

Concen: 44.734 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

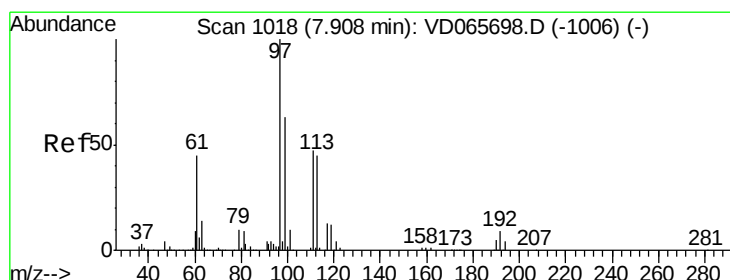
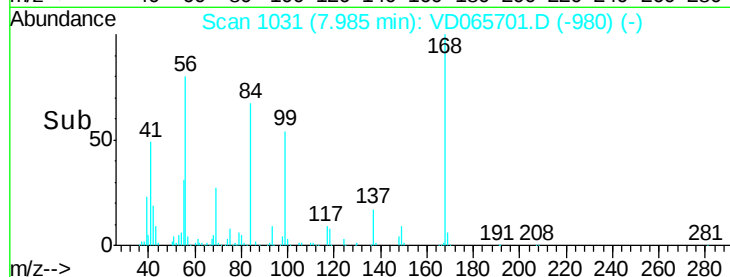
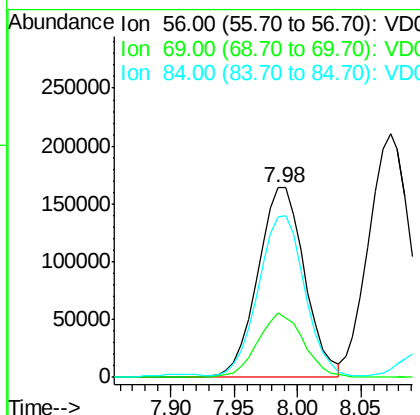
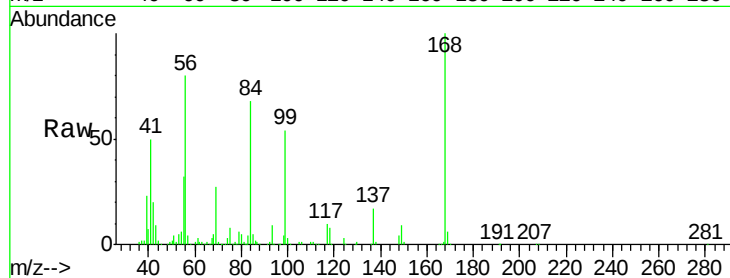
ClientSampleId :

ICVVD050620

Tot Ion:	56	Resp:	421087
Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.3	39.5
84	83.4	64.5	96.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.197 ug/l

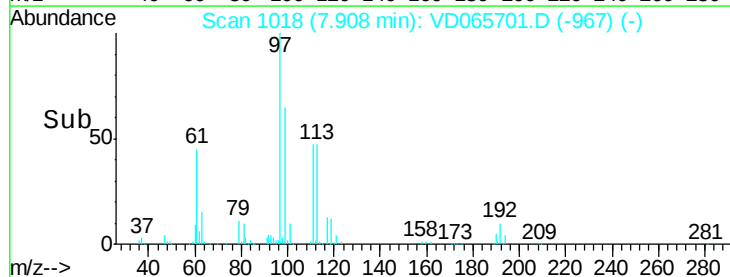
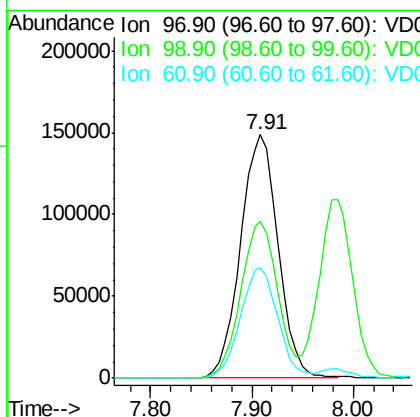
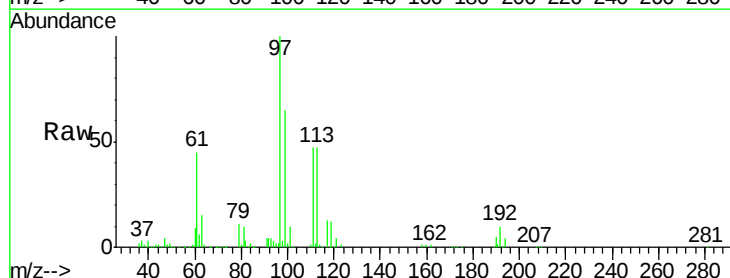
RT: 7.91 min Scan# 1018

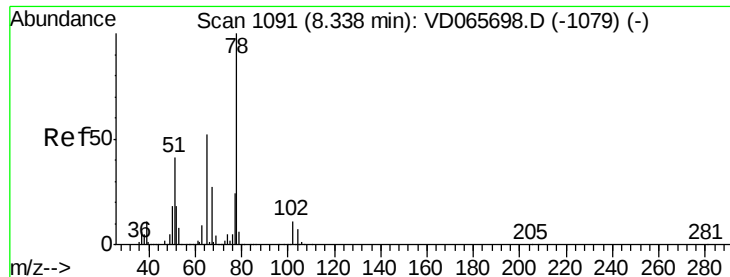
Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Tgt Ion:	97	Resp:	382997
Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.8	76.2
61	45.1	36.0	54.0





#33

1,2-Dichloroethane-d4

Concen: 47.521 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050620

Tot Ion: 65 Resp: 223542

Ion Ratio Lower Upper

65 100

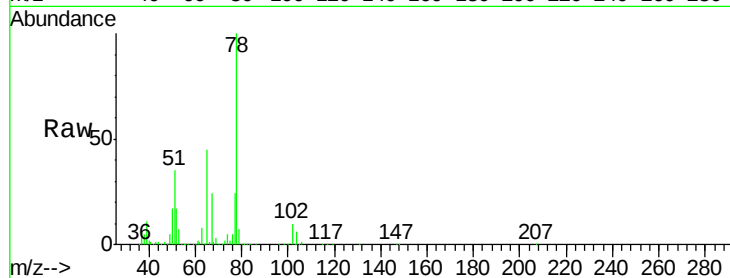
67 52.9 0.0 103.8

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

60000

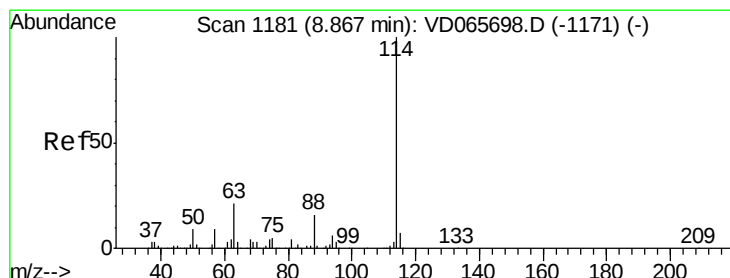
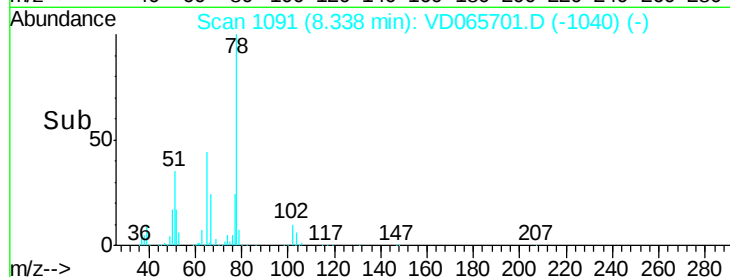
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

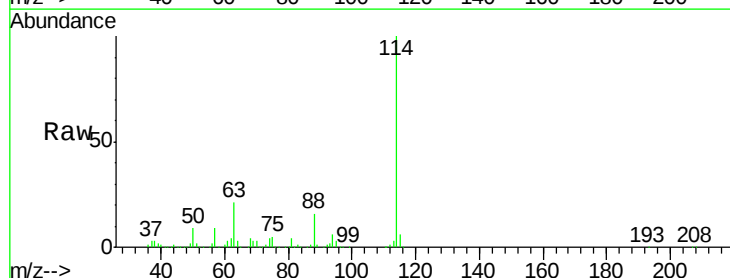
Tgt Ion: 114 Resp: 734967

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

88 15.6 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

500000

400000

300000

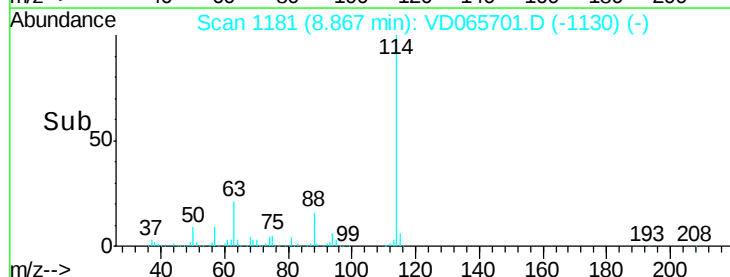
200000

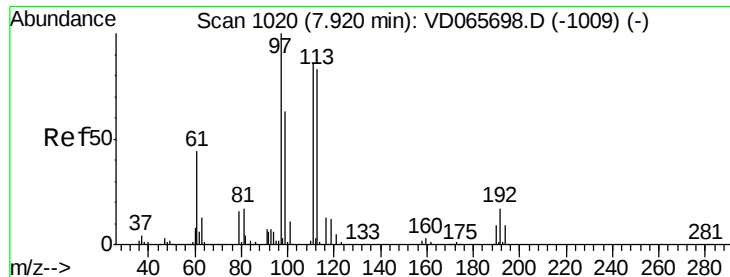
100000

0

8.80 8.90 9.00

Time-->





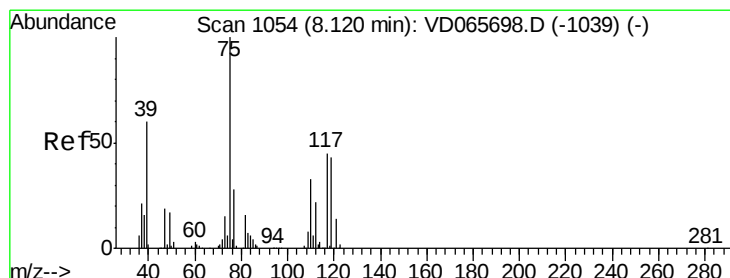
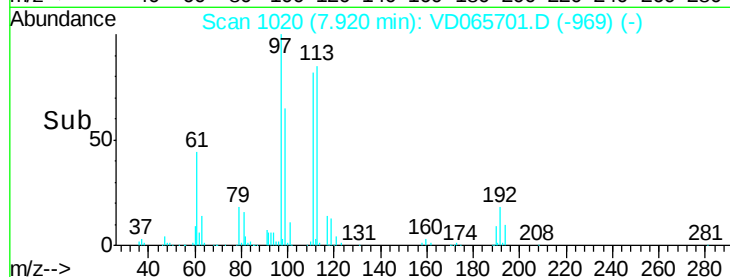
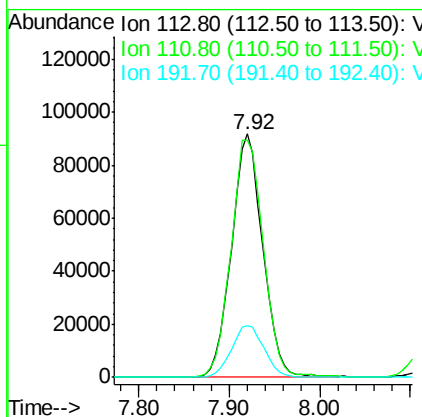
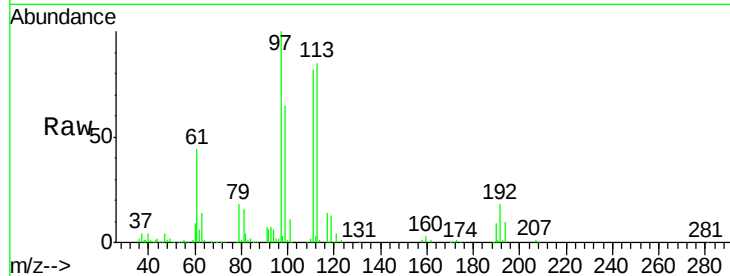
#35
 Dibromofluoromethane
 Concen: 47.873 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050620

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.7	124.1
192	22.2	17.0	25.4

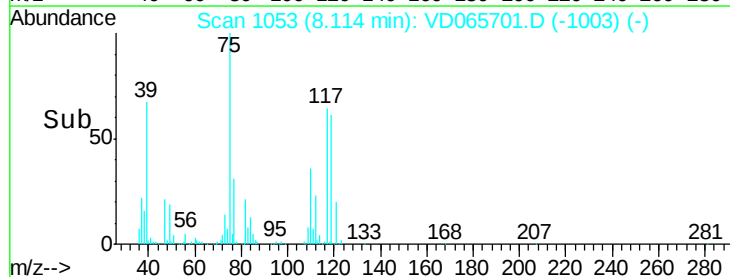
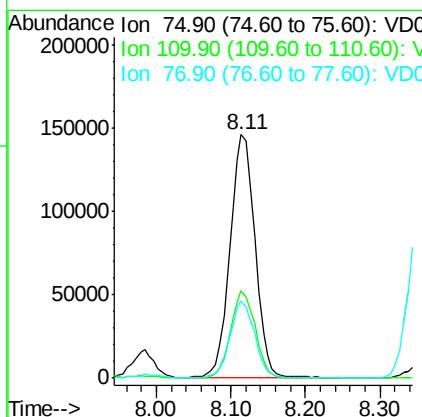
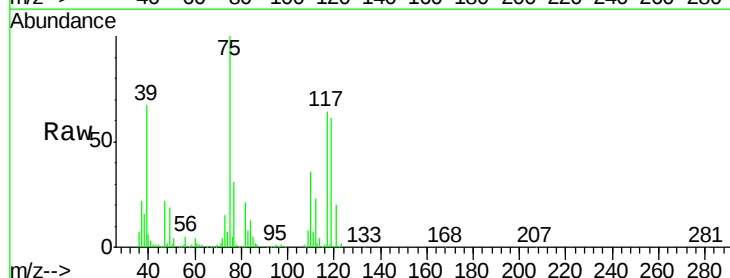
Manual Integrations
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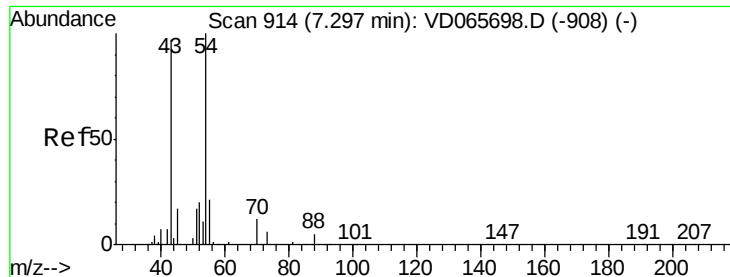
MMDadoda
 5/7/2020 10:36:05 AM



#36
 1,1-Dichloropropene
 Concen: 46.798 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.2	51.6
77	31.0	23.7	35.5





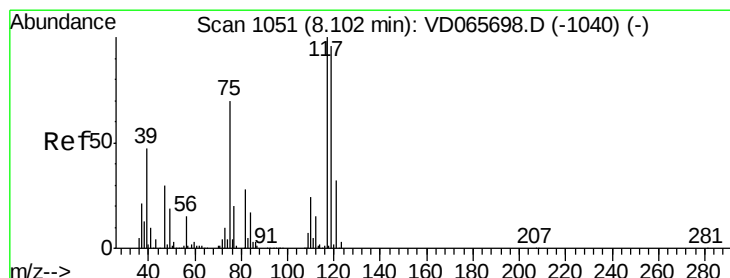
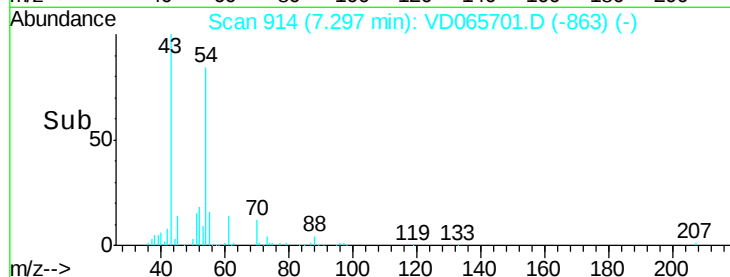
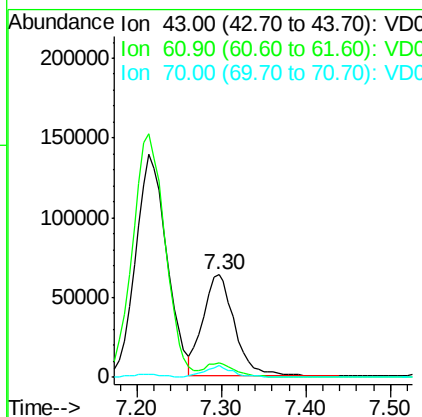
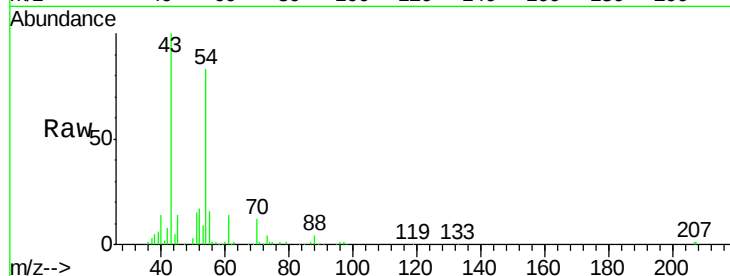
#37
Ethyl Acetate
Concen: 47.530 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050620

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.9	14.9
70	10.2	7.3	10.9

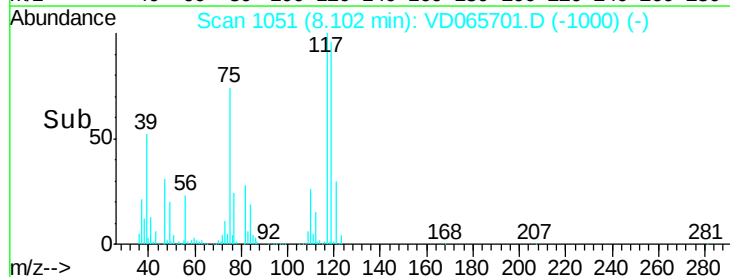
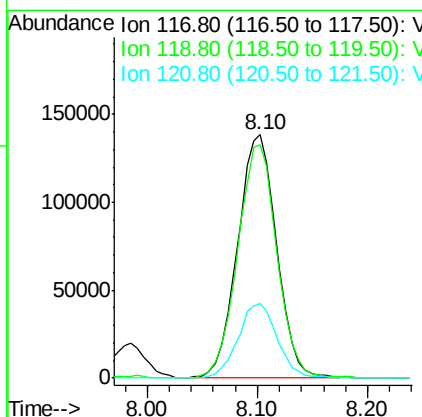
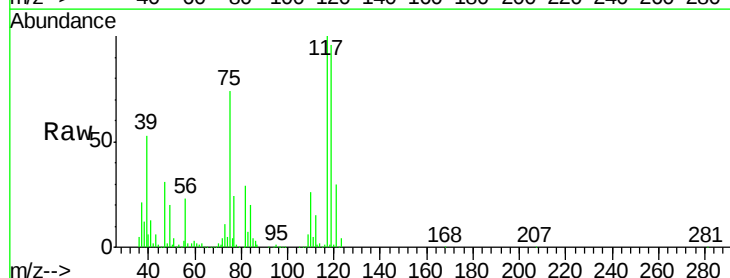
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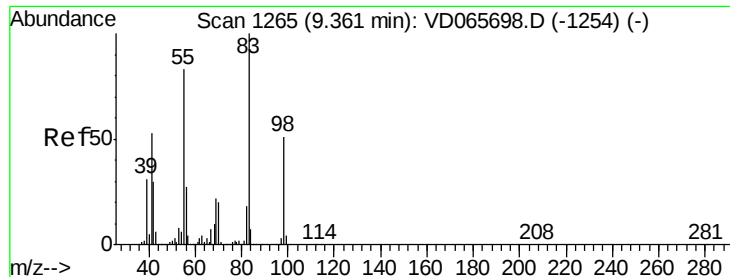
MMDadoda
5/7/2020 10:36:05 AM



#38
Carbon Tetrachloride
Concen: 47.307 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.1	115.7
121	30.5	25.5	38.3





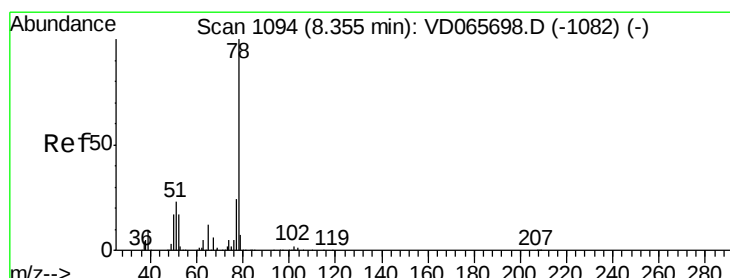
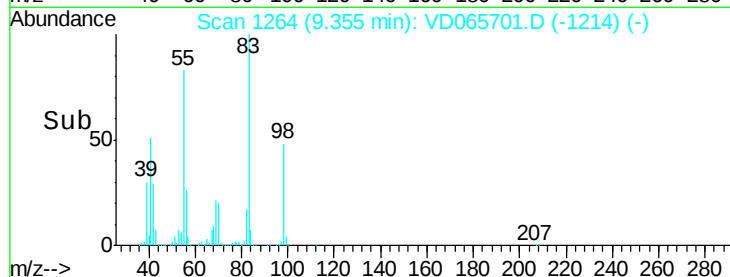
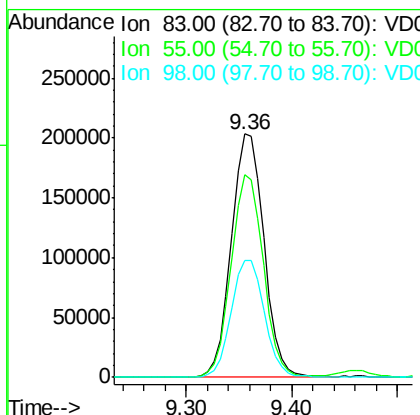
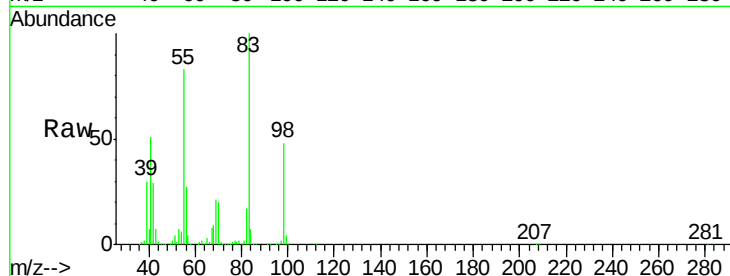
#39
Methvlcvclohexane
Concen: 47.507 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050620

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.7	66.0	99.0
98	48.1	41.0	61.4

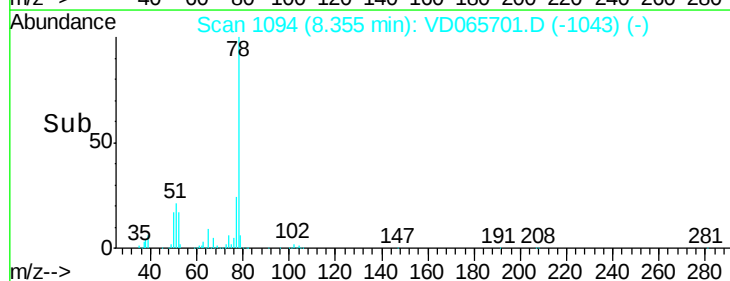
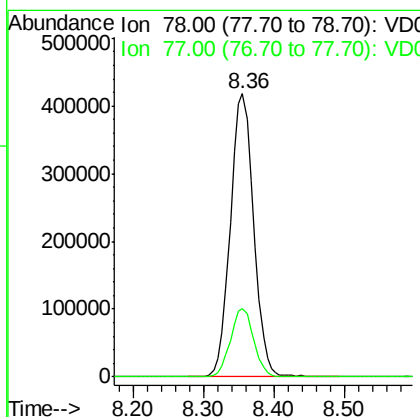
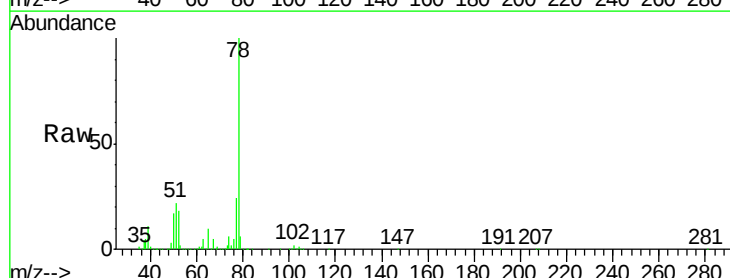
Manual Integrations
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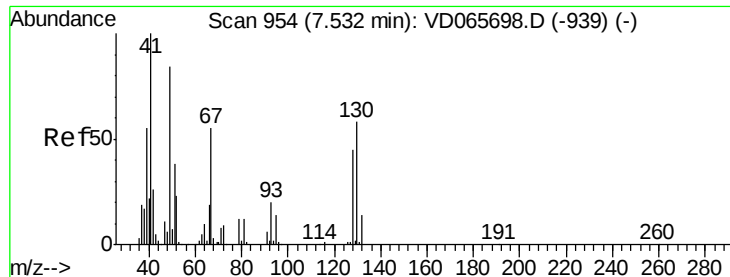
MMDadoda
5/7/2020 10:36:05 AM



#40
Benzene
Concen: 48.165 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.6	29.4





#41

Methacrylonitrile

Concen: 45.833 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050620

Tot Ion: 41 Resp: 92914
Ion Ratio Lower Upper

41 100

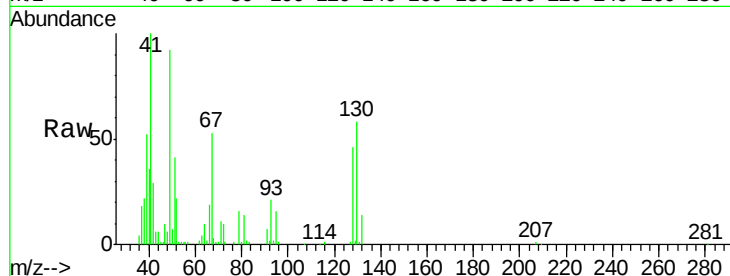
39 0.0 52.5 78.7#

67 0.0 59.4 89.0#

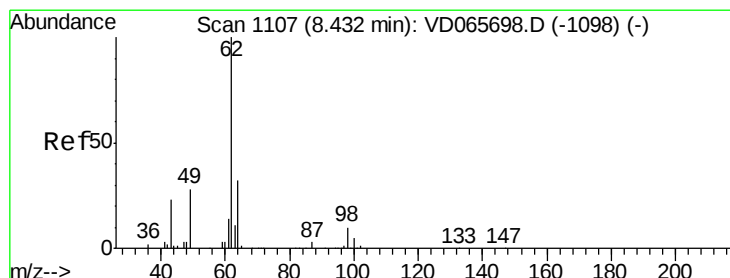
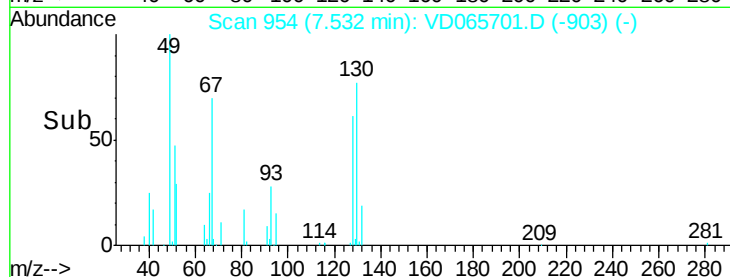
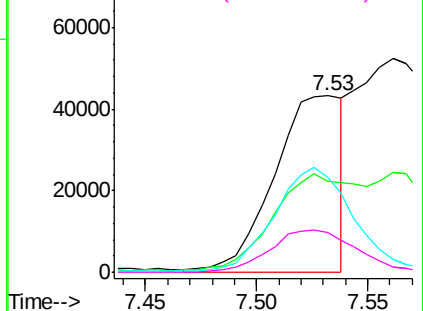
52 0.0 25.6 38.4#

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Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 48.089 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

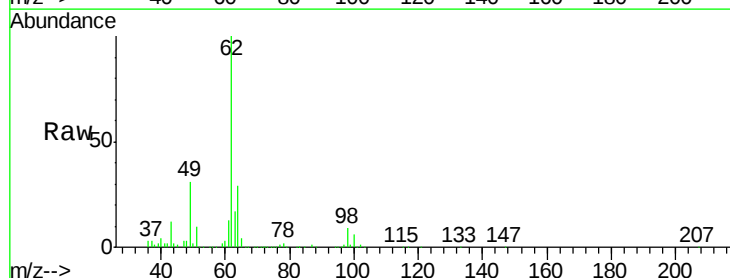
Lab File: VD065701.D

Acq: 06 May 2020 17:27

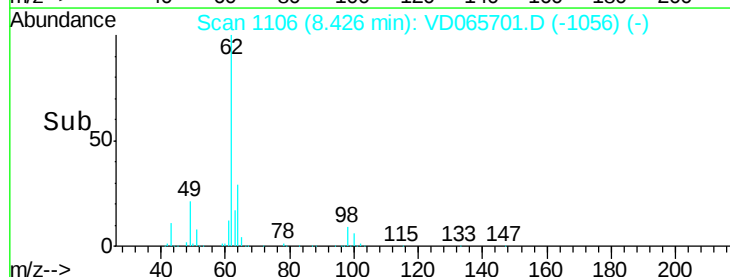
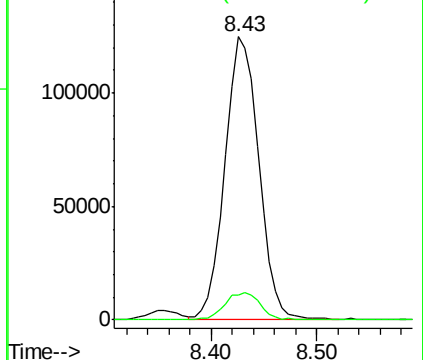
Tgt Ion: 62 Resp: 275846
Ion Ratio Lower Upper

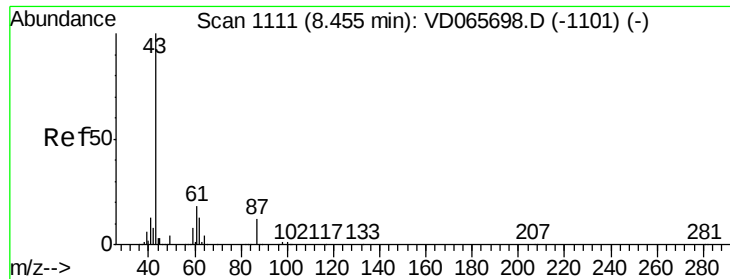
62 100

98 10.2 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 48.577 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

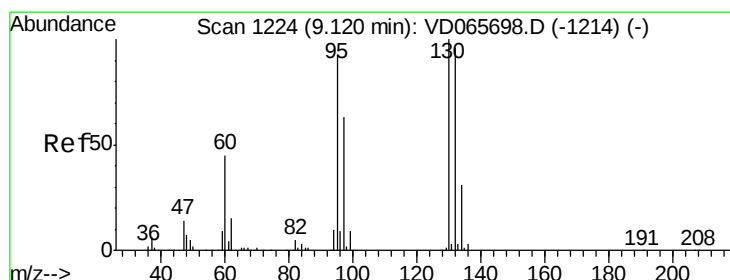
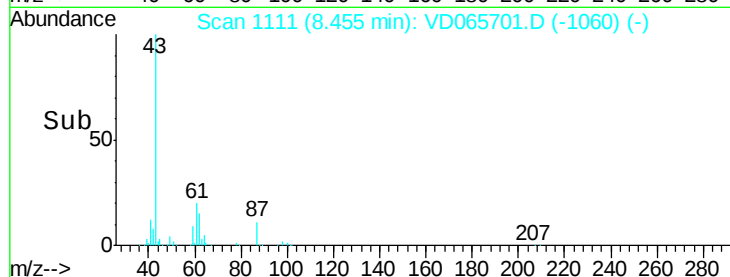
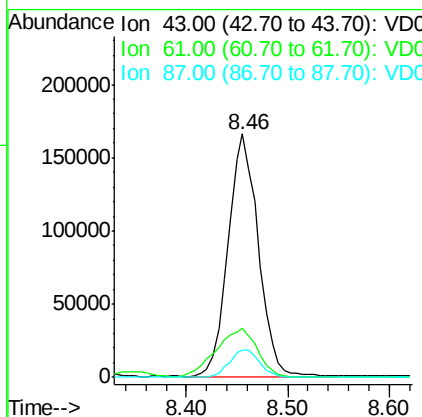
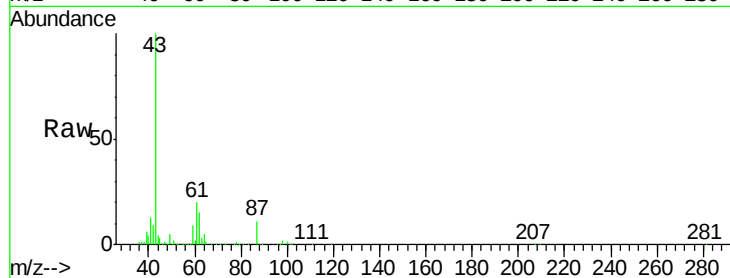
ClientSampleId :

ICVVD050620

Tot Ion:	43	Resp:	341413
Ion	Ratio	Lower	Upper
43	100		
61	28.0	21.9	32.9
87	11.6	9.4	14.2

Manual Integrations
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#44

Trichloroethene

Concen: 48.337 ug/l

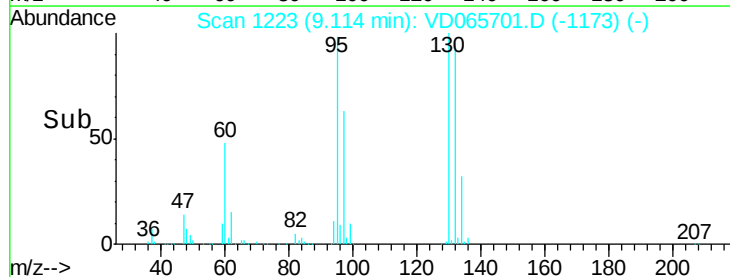
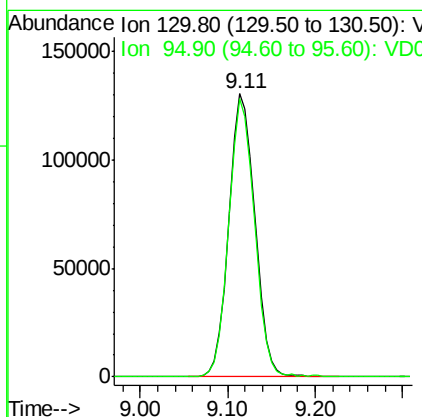
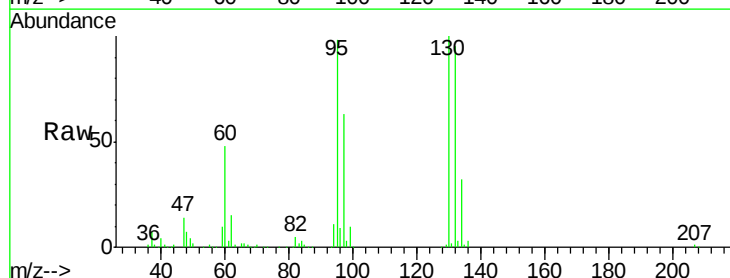
RT: 9.11 min Scan# 1223

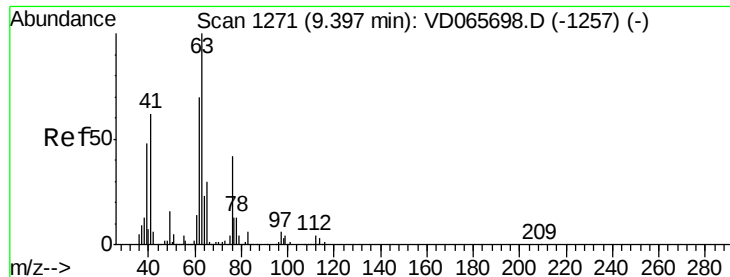
Delta R.T. -0.01 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Tgt Ion:	130	Resp:	265535
Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	185.2





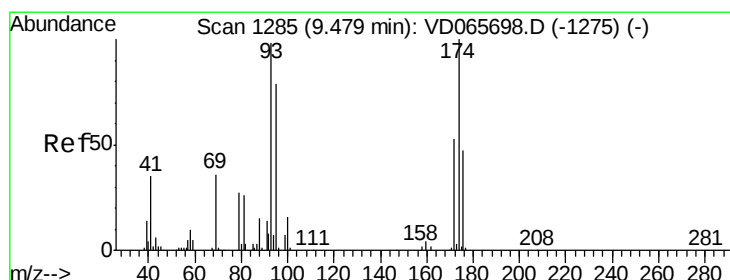
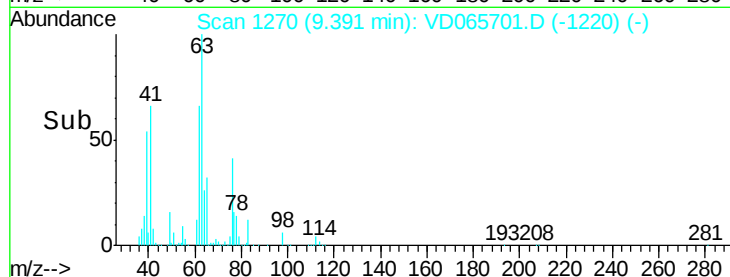
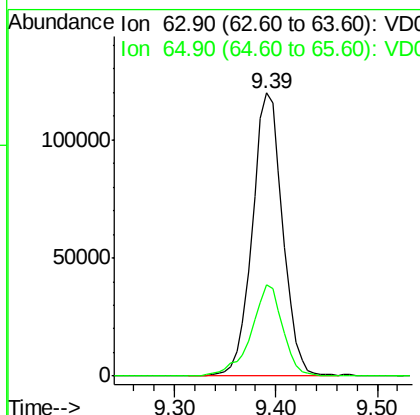
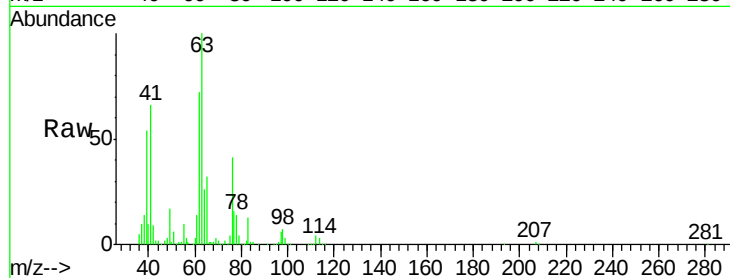
#45
 1,2-Dichloropropane
 Concen: 48.208 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050620

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.1	36.1

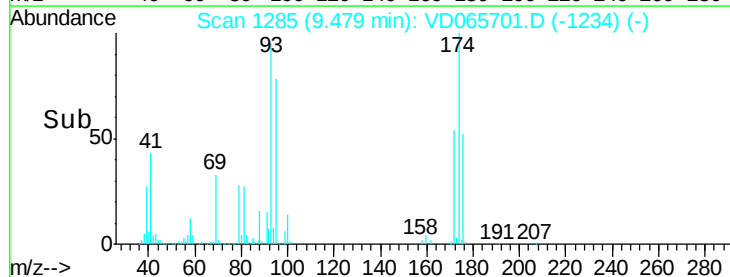
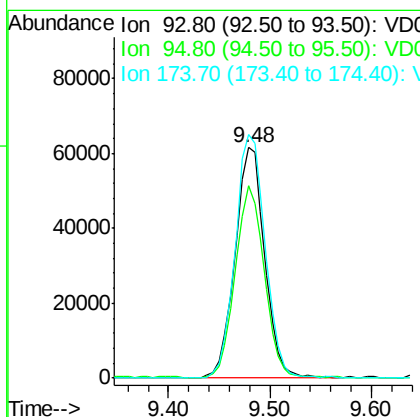
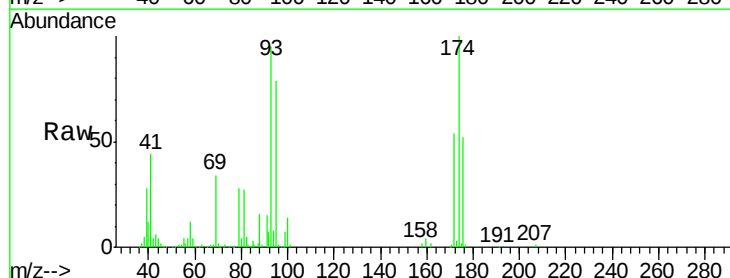
Manual Integrations
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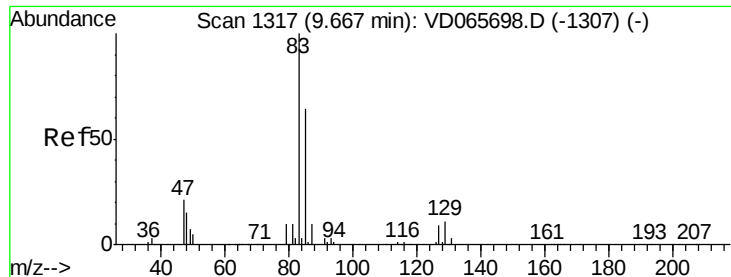
MMDadoda
 5/7/2020 10:36:05 AM



#46
 Dibromomethane
 Concen: 48.495 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.3	97.9
174	106.7	82.7	124.1





#47

Bromodichloromethane

Concen: 48.045 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

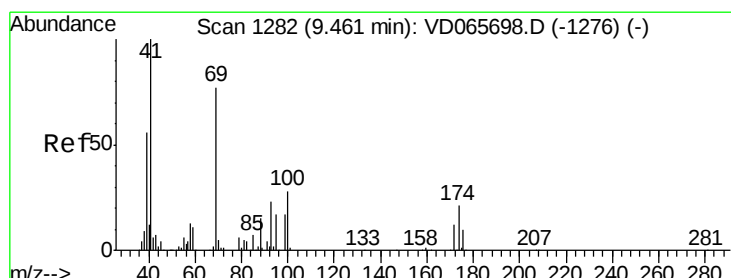
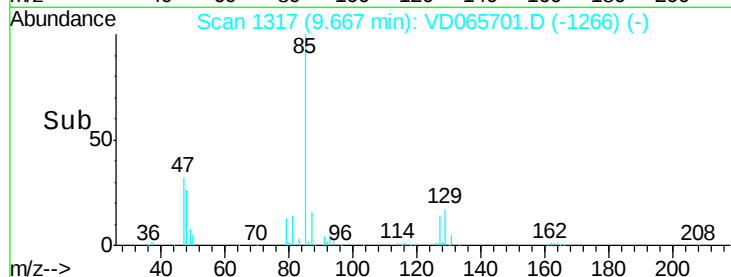
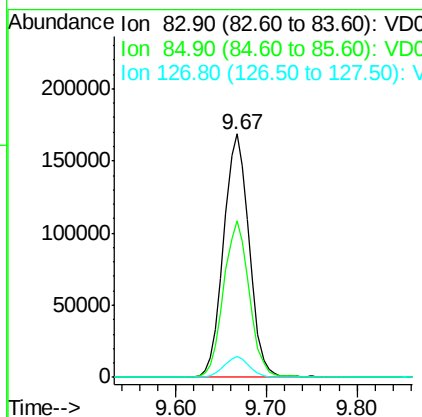
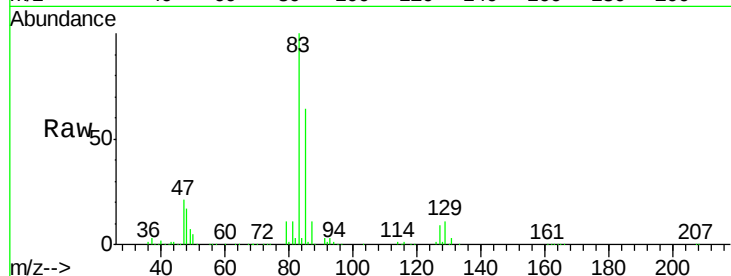
ClientSampleId :

ICVVD050620

Tot Ion:	83	Resp:	332231
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.9	76.3
127	8.8	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.899 ug/l

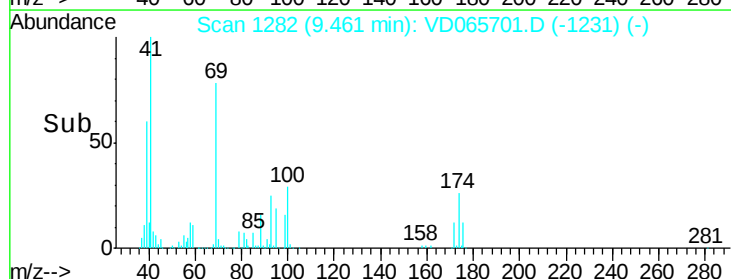
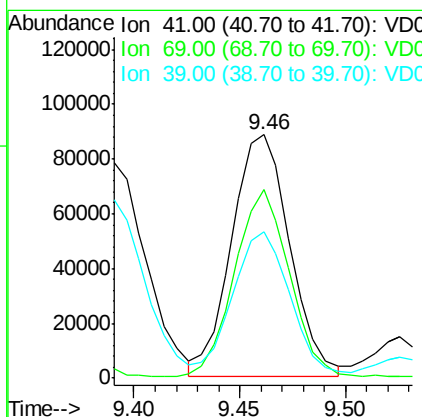
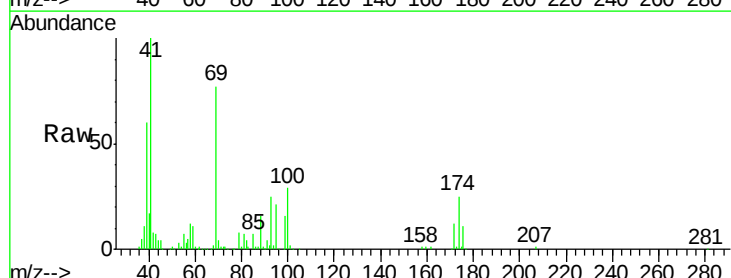
RT: 9.46 min Scan# 1282

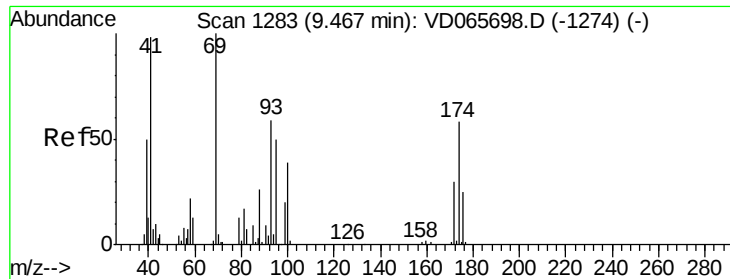
Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Tgt Ion:	41	Resp:	168562
Ion	Ratio	Lower	Upper
41	100		
69	73.9	58.2	87.2
39	56.1	43.3	64.9





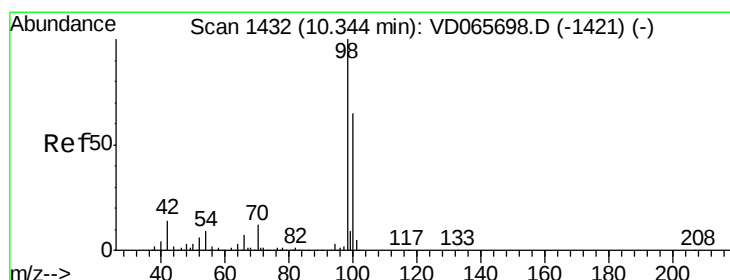
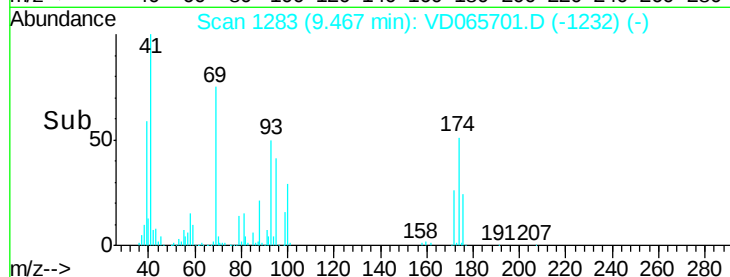
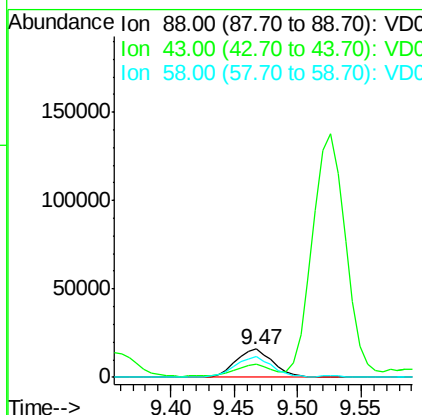
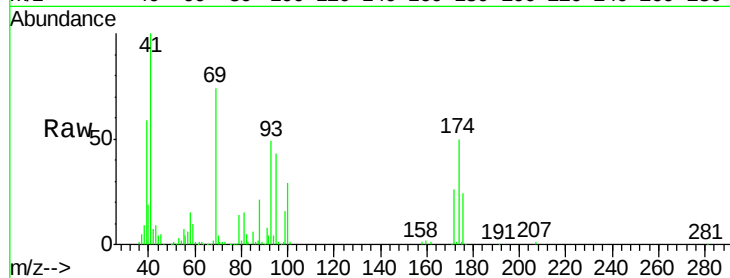
#49
1,4-Dioxane
Concen: 1028.470 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050620

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.3	31.6	47.4
58	74.1	60.2	90.4

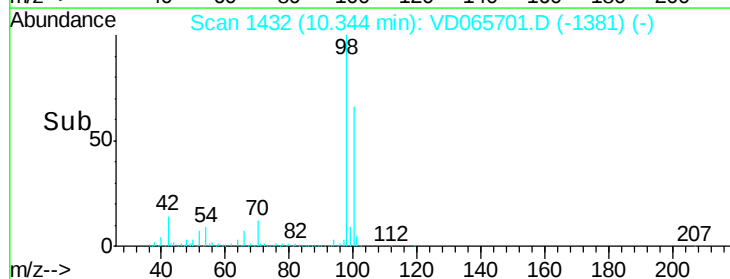
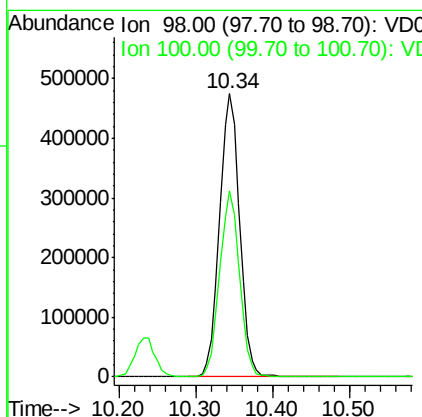
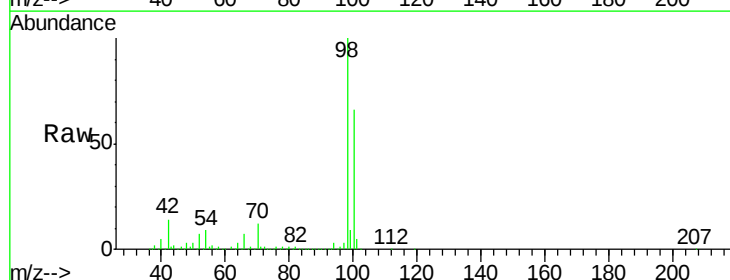
Manual Integrations
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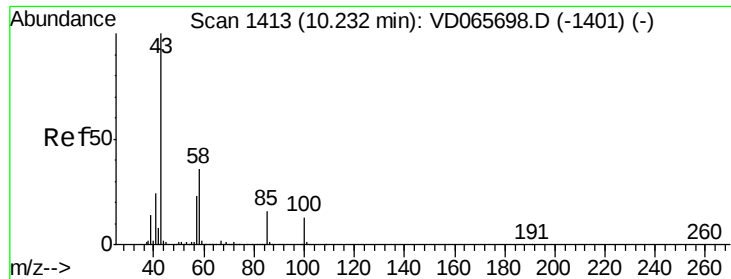
MMDadoda
5/7/2020 10:36:05 AM



#50
Toluene-d8
Concen: 48.653 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 245.967 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050620

Tot Ion: 43 Resp: 833142

Ion Ratio Lower Upper

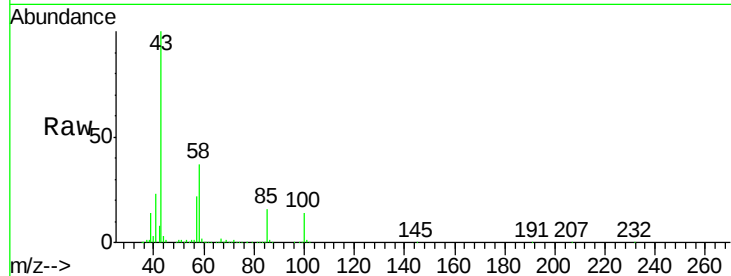
43 100

58 36.4 28.6 42.8

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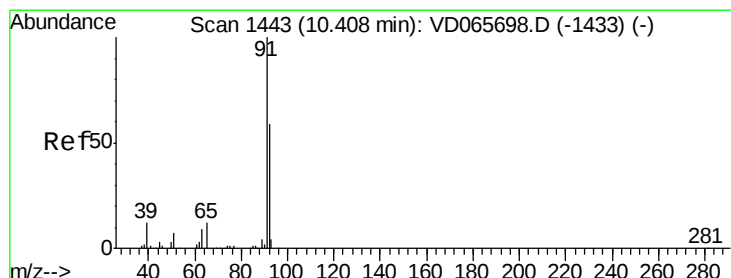
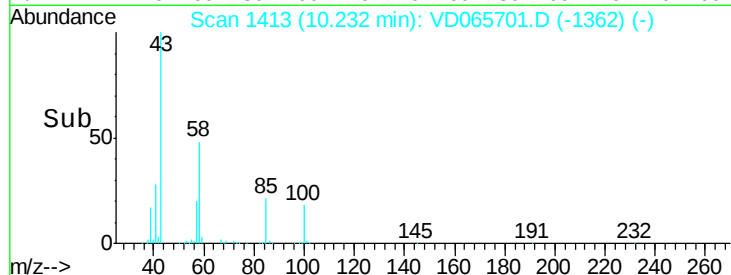
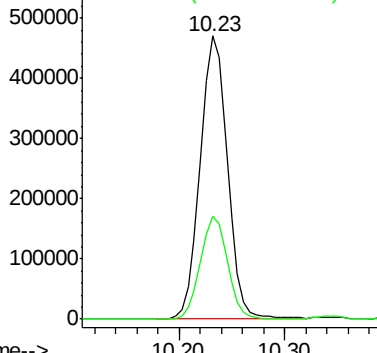
MMDadoda

5/7/2020 10:36:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 48.660 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065701.D

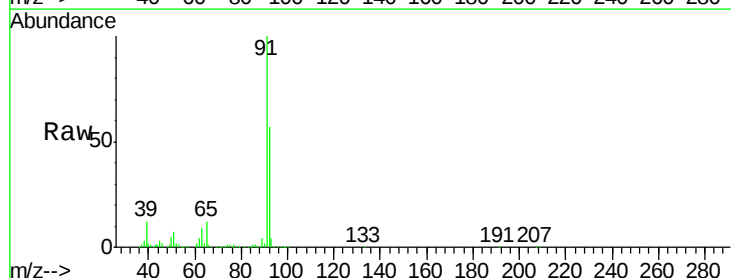
Acq: 06 May 2020 17:27

Tgt Ion: 92 Resp: 613413

Ion Ratio Lower Upper

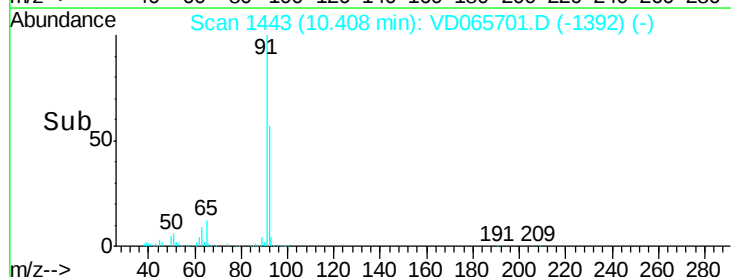
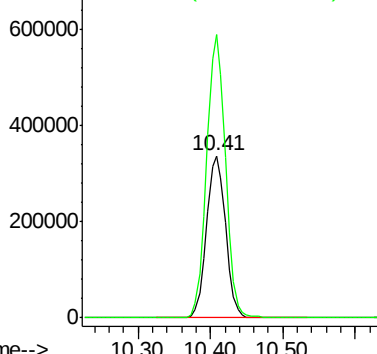
92 100

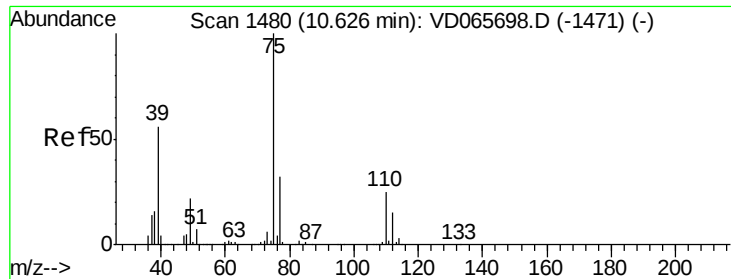
91 173.0 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





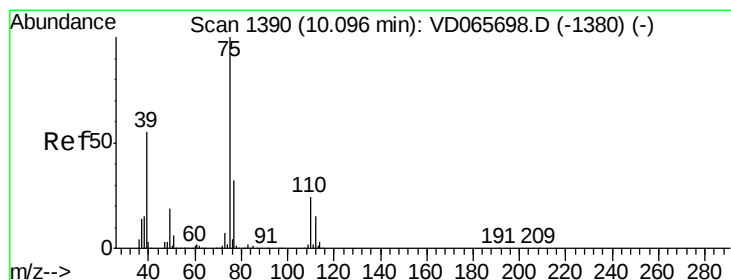
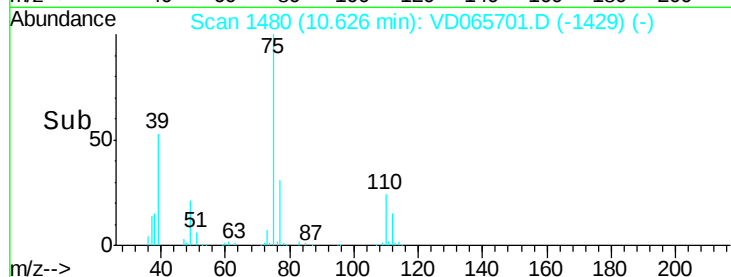
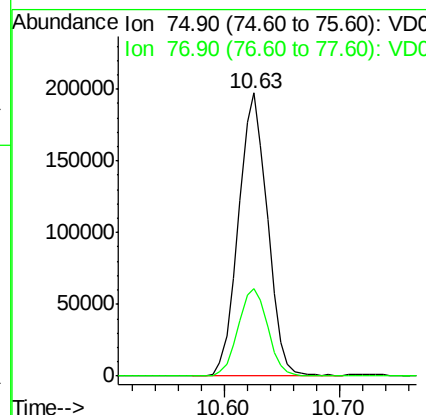
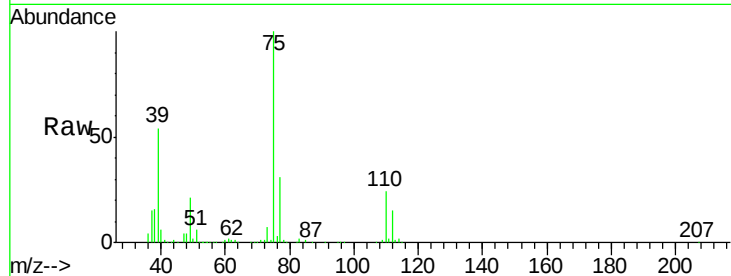
#53
 t-1,3-Dichloropropene
 Concen: 49.006 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050620

Tot Ion	75	Resp	343251
Ion Ratio	Lower	Upper	
75	100		
77	31.0	25.4	38.0

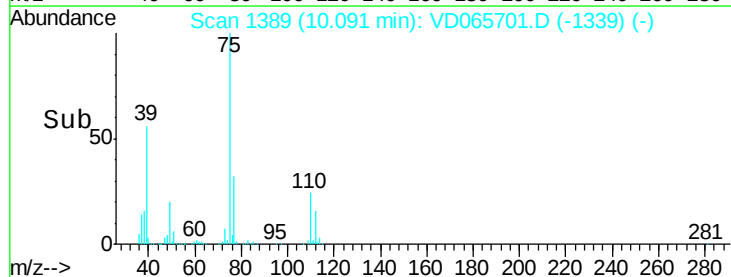
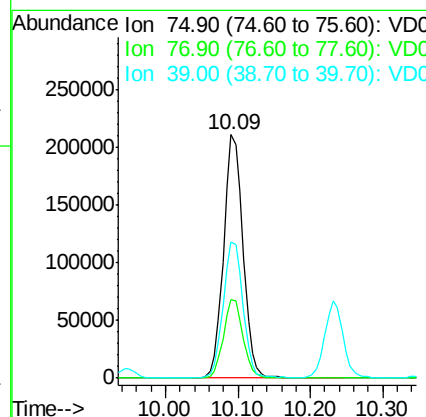
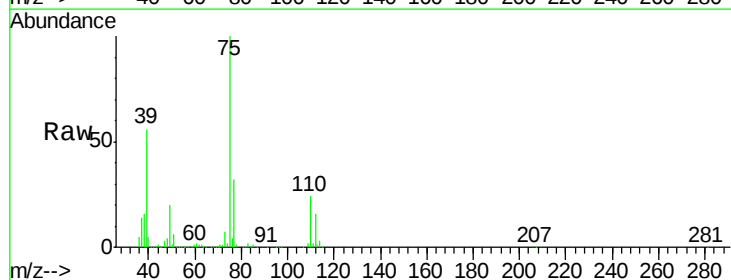
Manual Integrations
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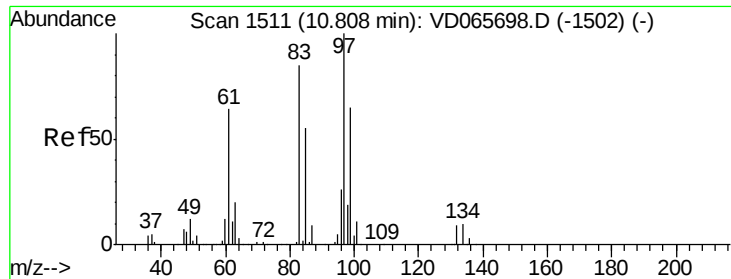
MMDadoda
 5/7/2020 10:36:05 AM



#54
 cis-1,3-Dichloropropene
 Concen: 47.696 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Tgt Ion	75	Resp	393564
Ion Ratio	Lower	Upper	
75	100		
77	32.1	25.8	38.8
39	55.9	44.4	66.6





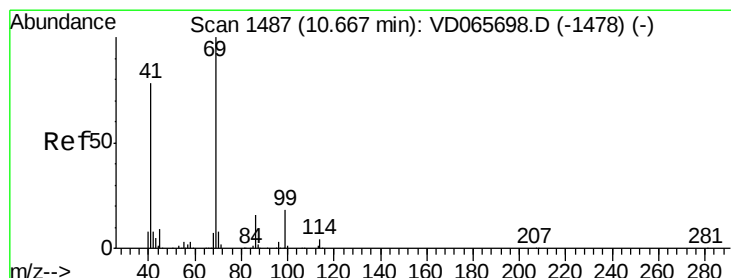
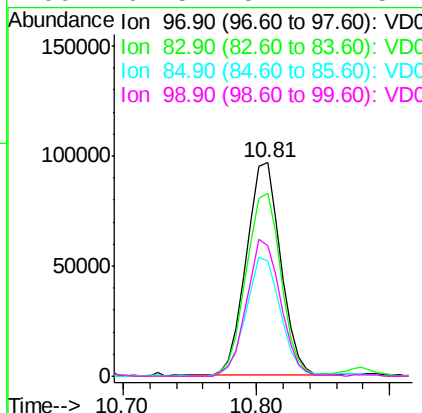
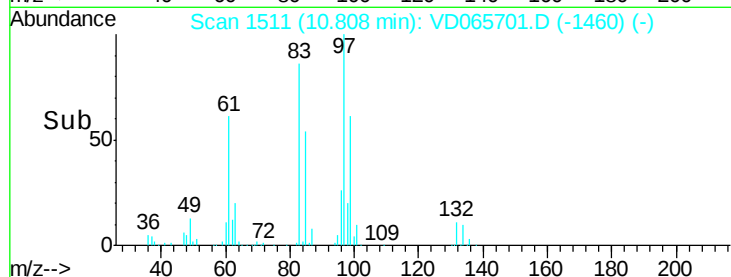
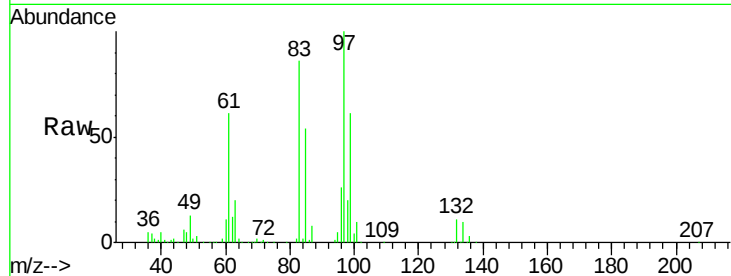
#55
 1,1,2-Trichloroethane
 Concen: 49.434 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050620

Tot Ion:	97	Resp:	172330
Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.2	102.4
85	53.7	43.6	65.4
99	61.5	52.2	78.4

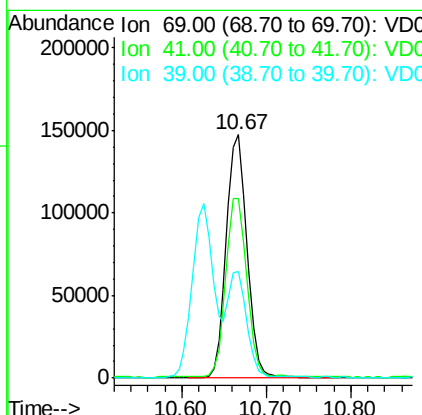
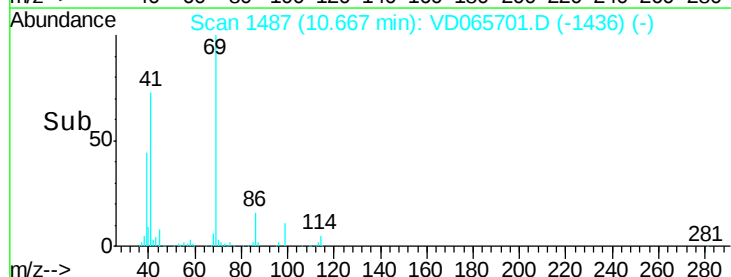
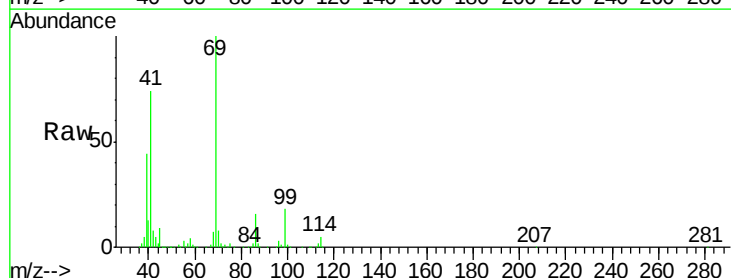
Manual Integrations
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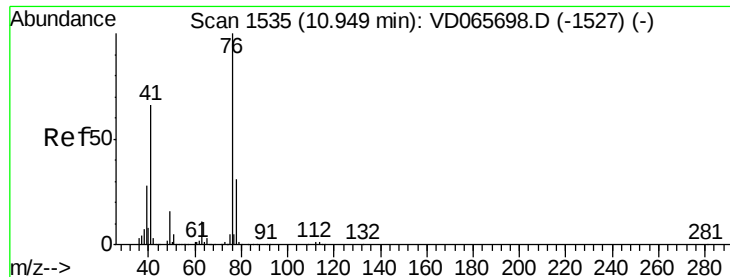
MMDadoda
 5/7/2020 10:36:05 AM



#56
 Ethyl methacrylate
 Concen: 49.245 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Tgt Ion:	69	Resp:	247876
Ion	Ratio	Lower	Upper
69	100		
41	75.0	61.4	92.0
39	38.7	32.7	49.1





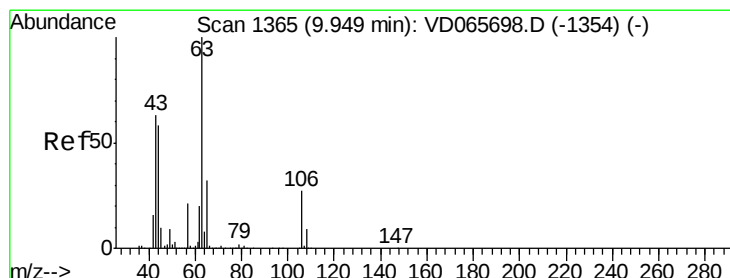
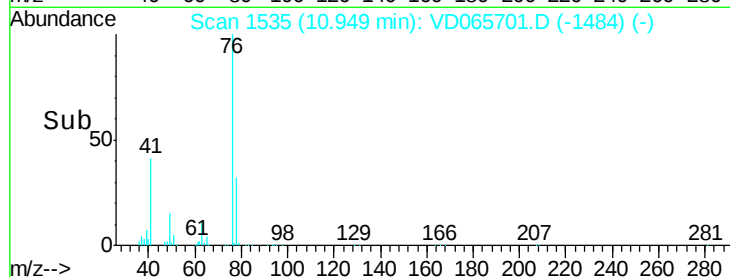
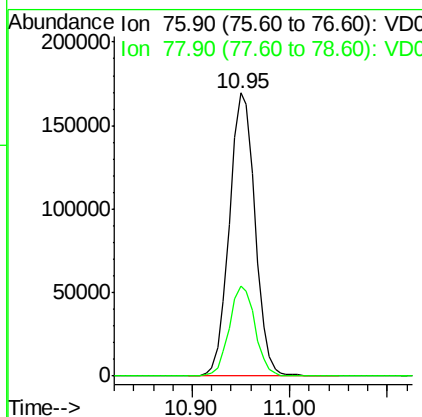
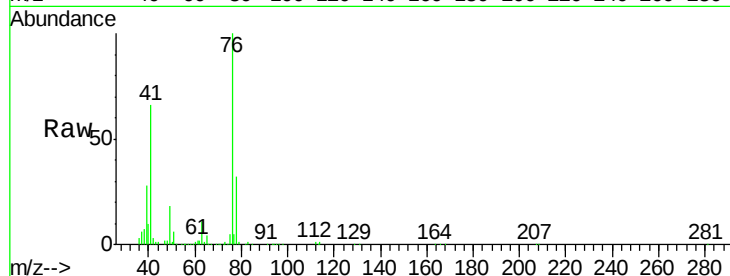
#57
 1,3-Dichloropropane
 Concen: 49.250 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050620

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

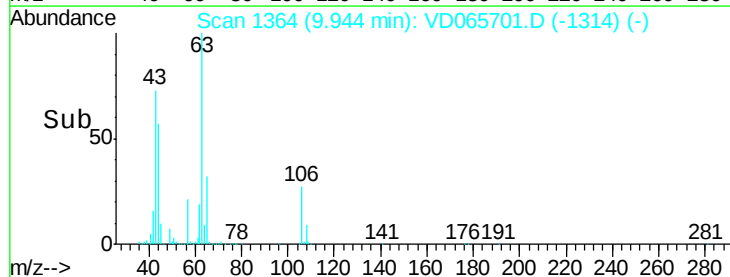
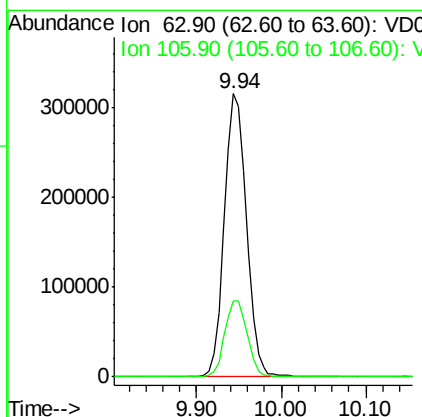
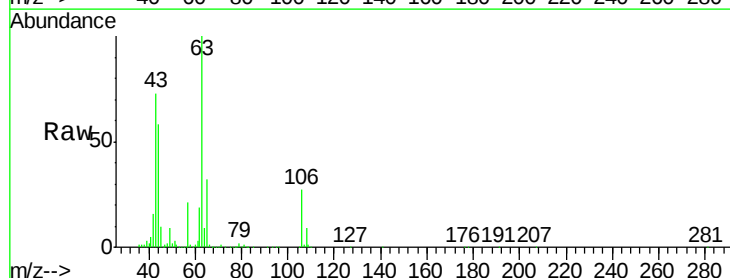
Manual Integrations
 APPROVED

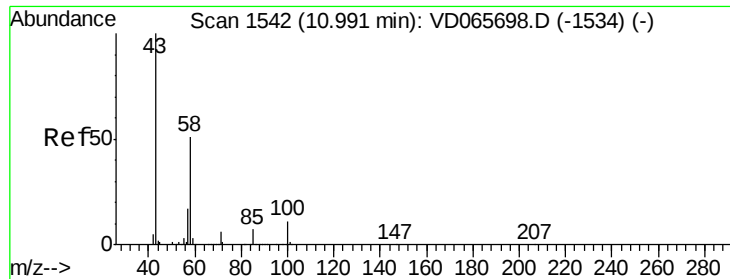
MMDadoda
 5/7/2020 10:36:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.977 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	22.0	33.0





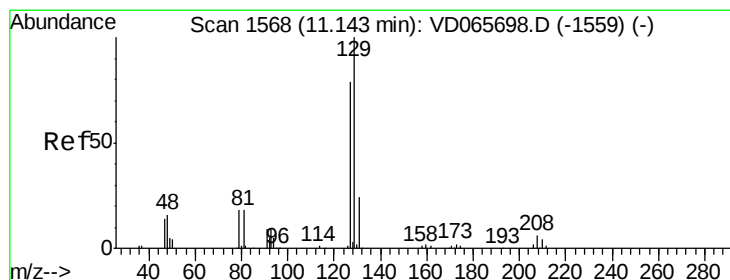
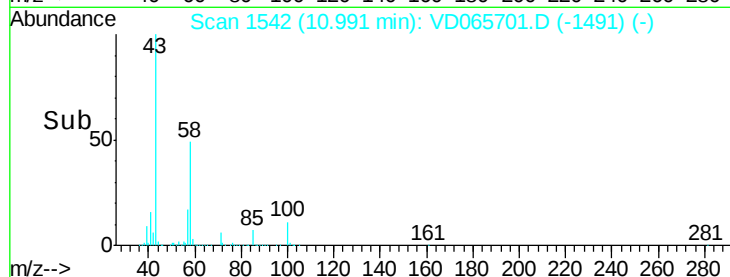
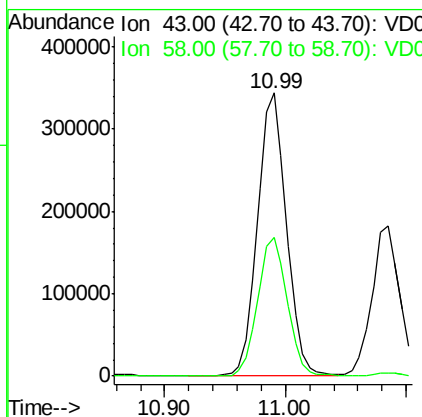
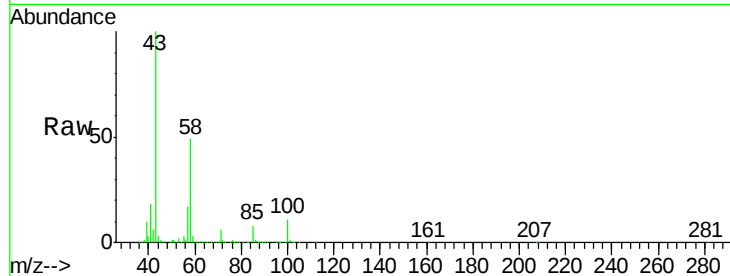
#59
2-Hexanone
Concen: 244.243 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050620

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.3	25.4	76.0

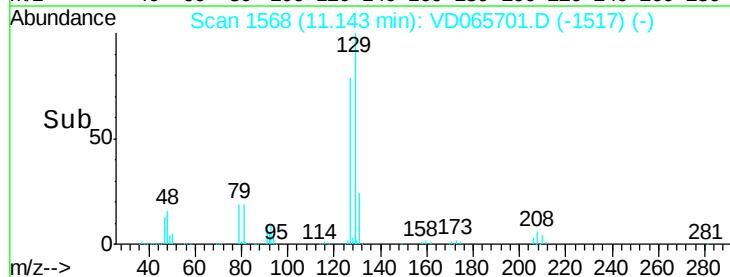
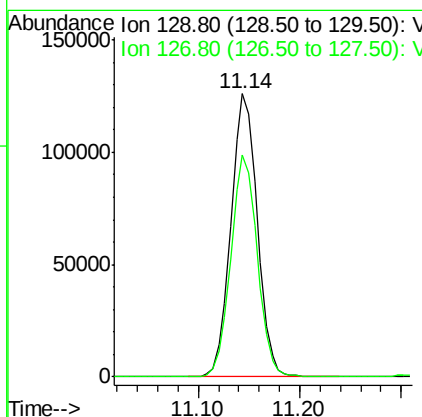
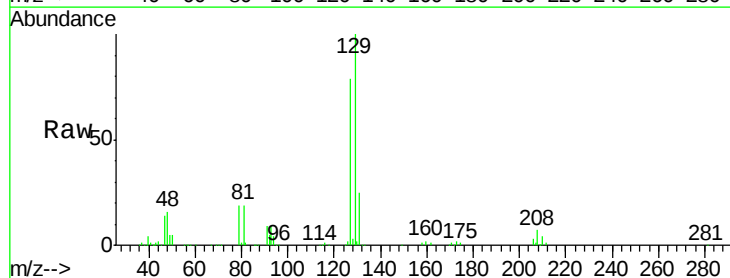
Manual Integrations
APPROVED

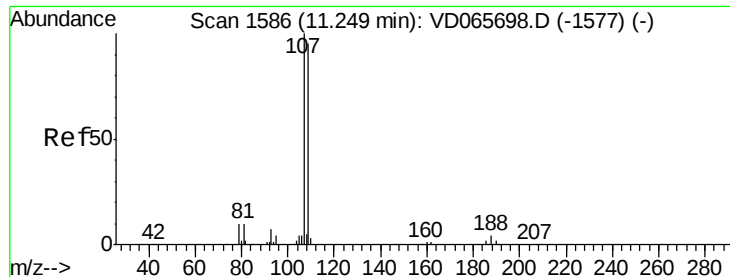
MMDadoda
5/7/2020 10:36:05 AM



#60
Dibromochloromethane
Concen: 48.573 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.9	116.6





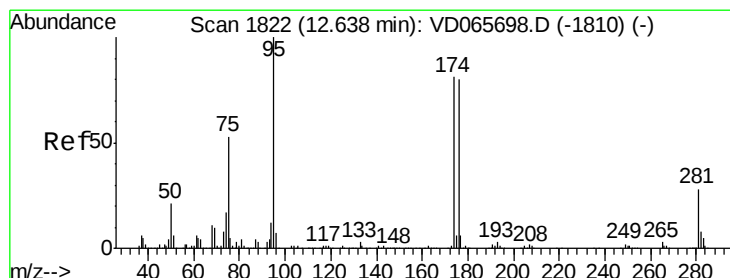
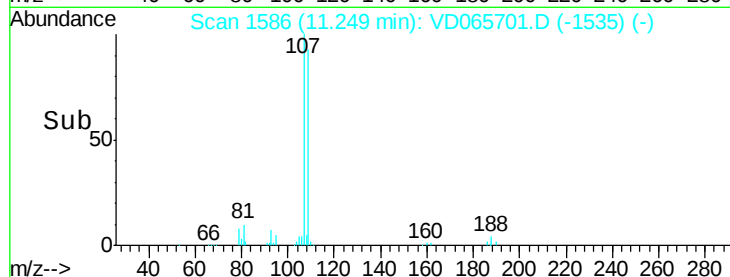
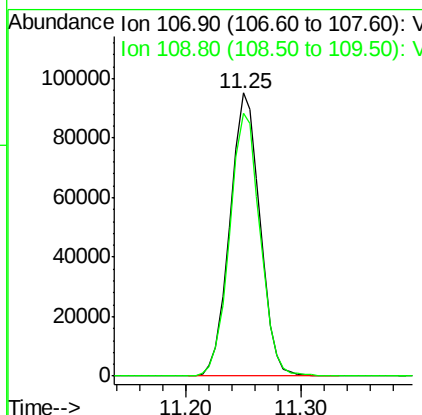
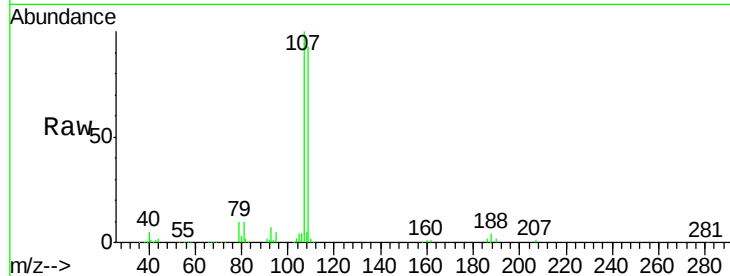
#61
 1,2-Dibromoethane
 Concen: 48.922 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050620

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.9	112.3

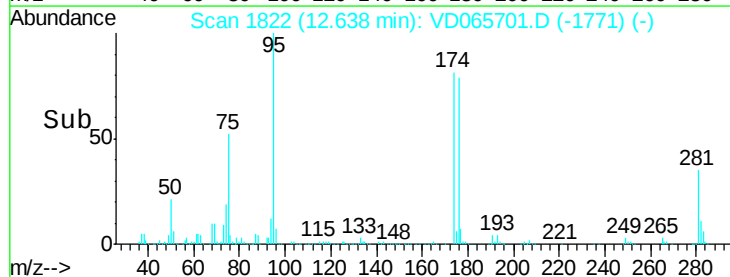
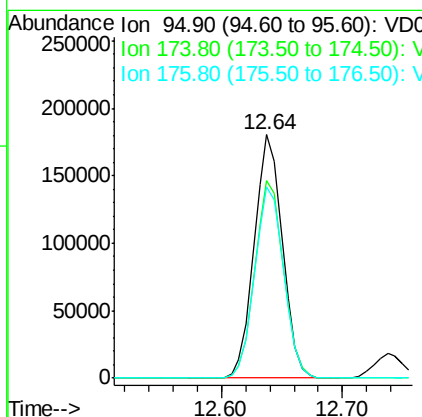
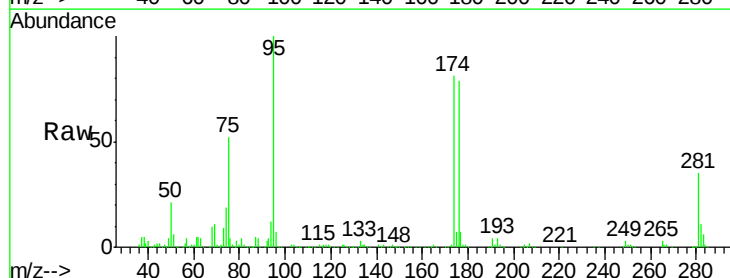
Manual Integrations
 APPROVED

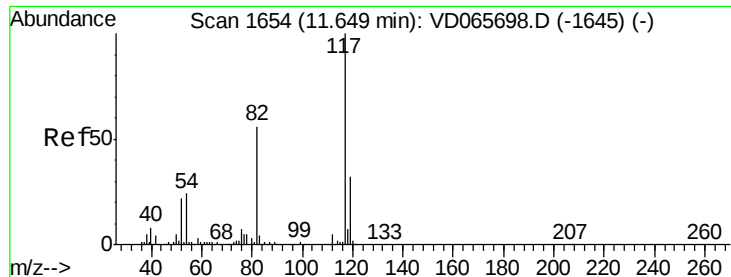
MMDadoda
 5/7/2020 10:36:05 AM



#62
 4-Bromofluorobenzene
 Concen: 47.137 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.5	0.0	162.6
176	80.8	0.0	159.0





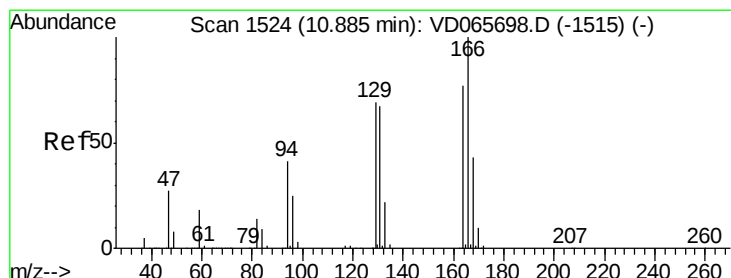
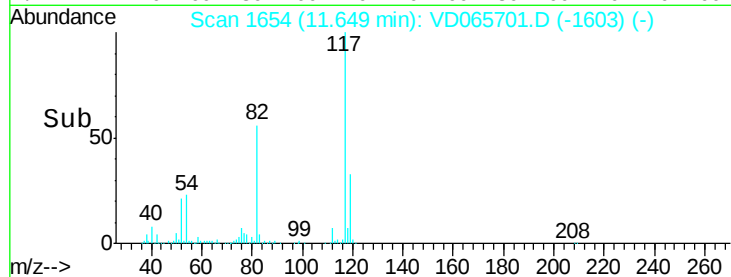
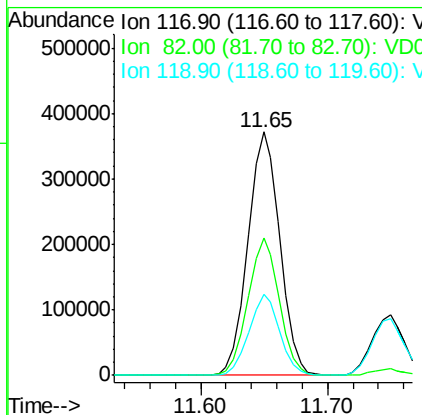
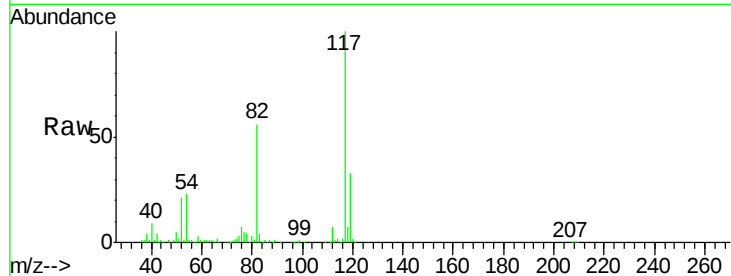
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050620

Tot Ion:	117	Resp:	652020
Ion Ratio	Lower	Upper	
117	100		
82	56.4	44.9	67.3
119	33.4	25.4	38.2

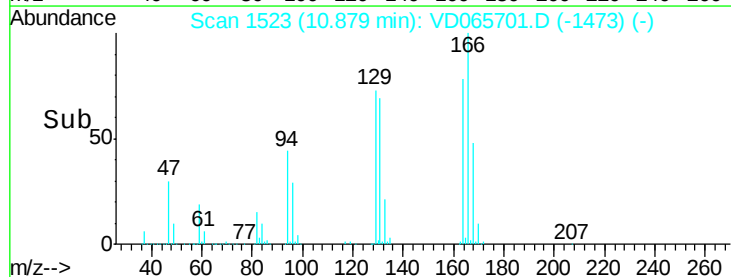
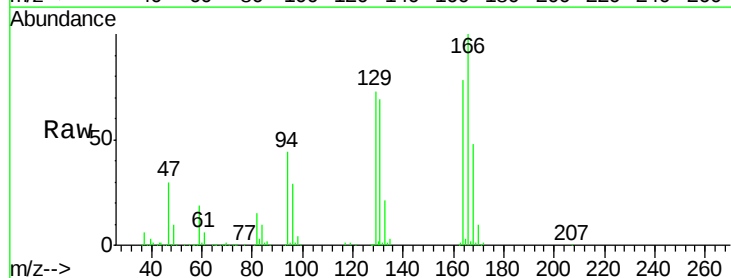
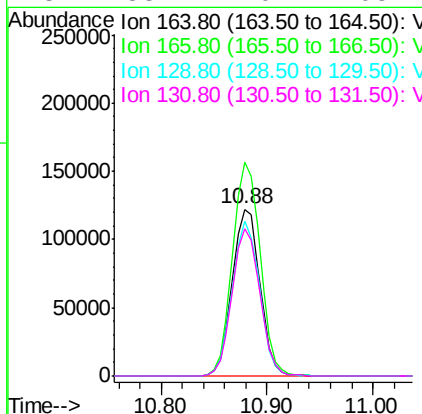
Manual Integrations
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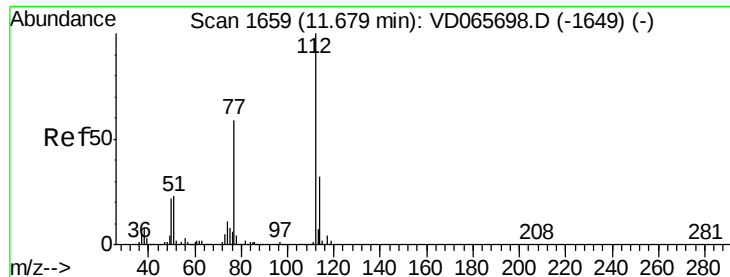
MMDadoda
5/7/2020 10:36:05 AM



#64
Tetrachloroethene
Concen: 47.635 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion:	164	Resp:	221033
Ion Ratio	Lower	Upper	
164	100		
166	127.9	104.3	156.5
129	92.7	71.9	107.9
131	88.1	70.2	105.2





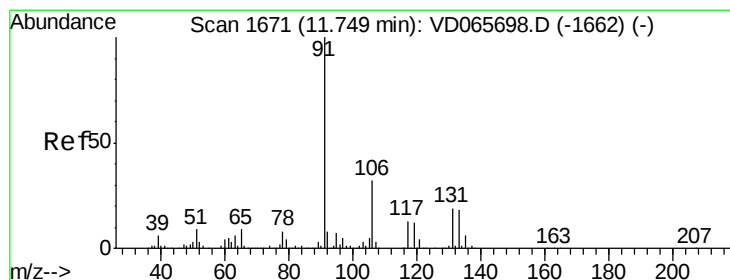
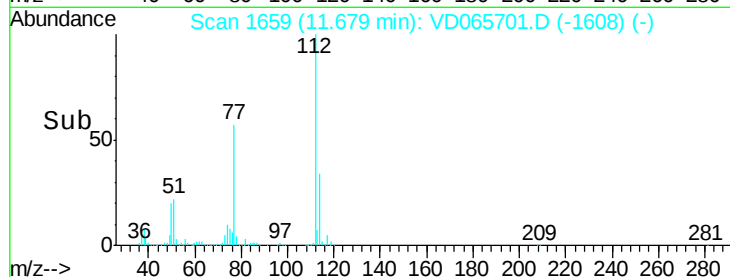
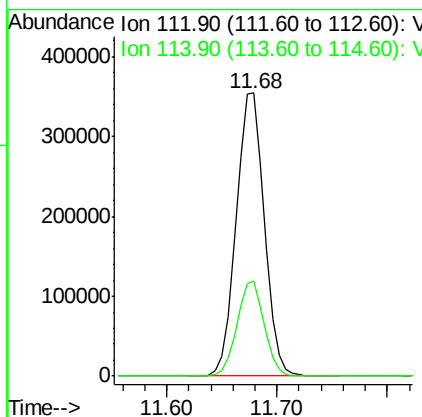
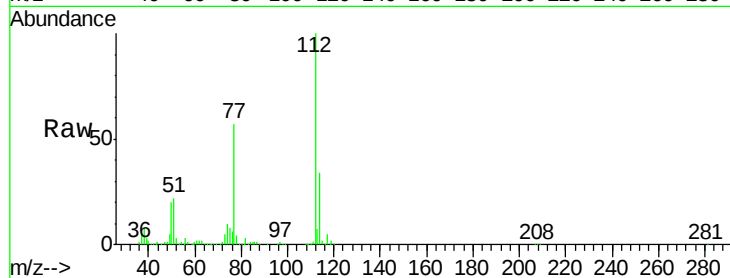
#65
Chlorobenzene
Concen: 48.430 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050620

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	25.4	38.0

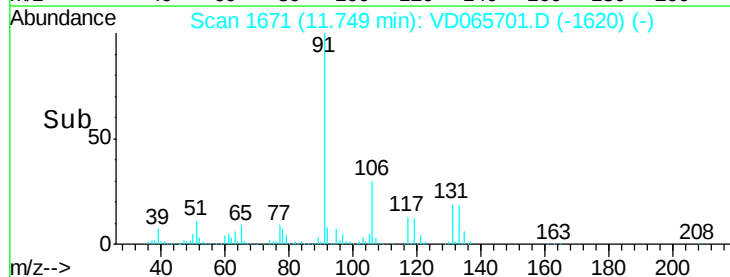
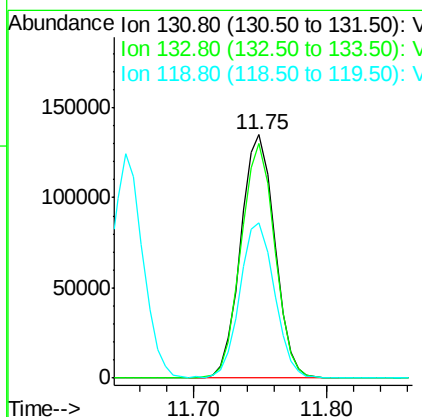
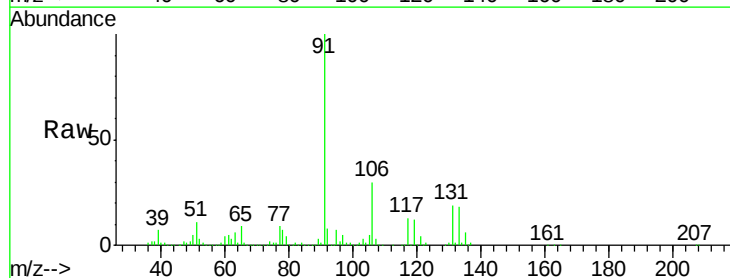
Manual Integrations
APPROVED

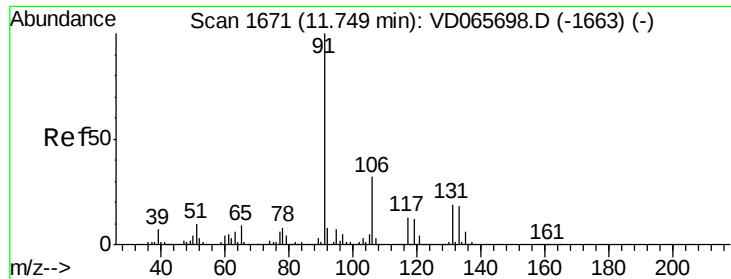
MMDadoda
5/7/2020 10:36:05 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.730 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.3	141.8
119	65.0	31.8	95.4





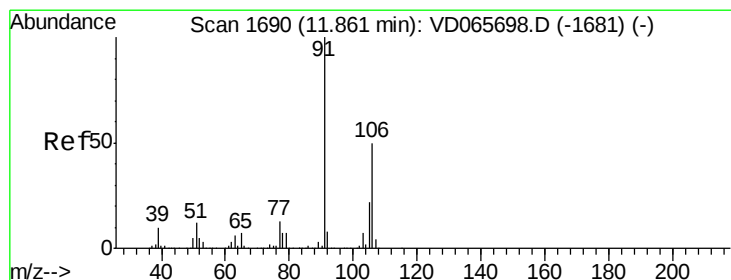
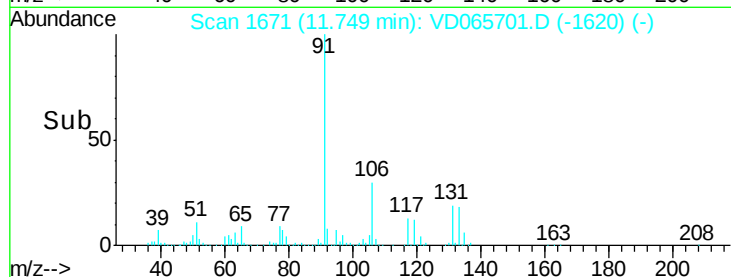
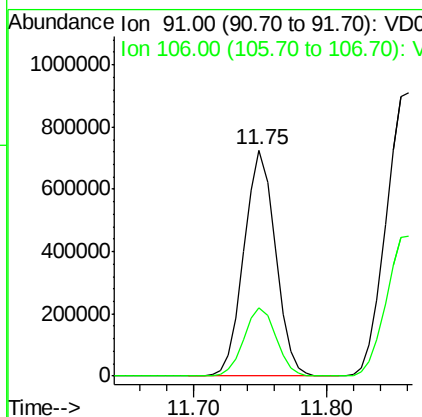
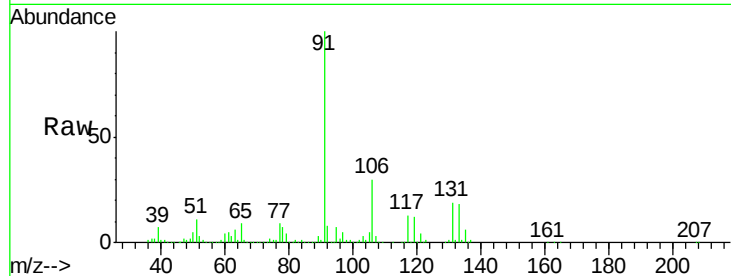
#67
Ethyl Benzene
Concen: 48.157 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampled :
ICVVD050620

Tot Ion: 91 Resp: 1180183
Ion Ratio Lower Upper
91 100
106 30.5 25.2 37.8

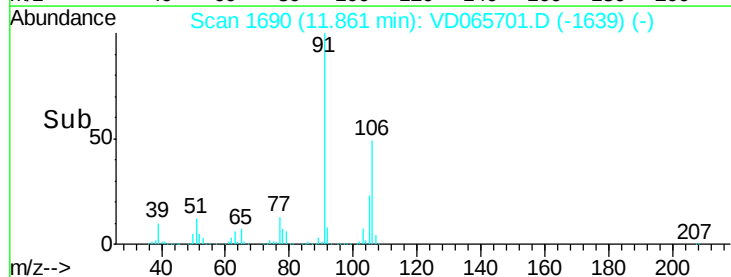
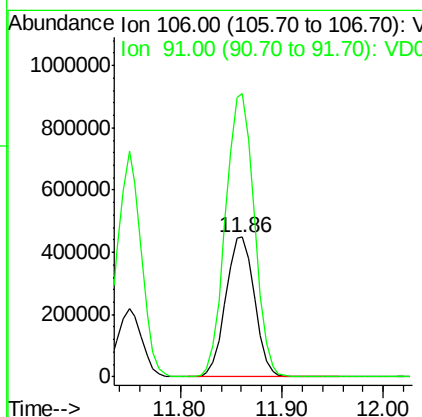
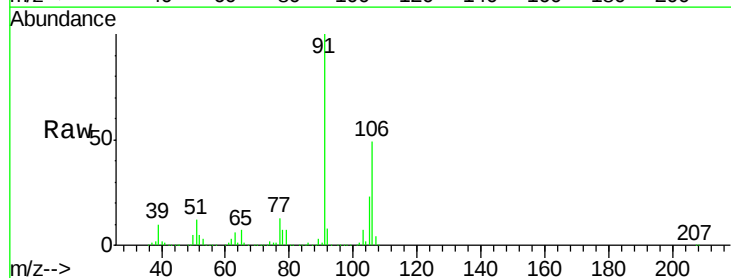
Manual Integrations
APPROVED

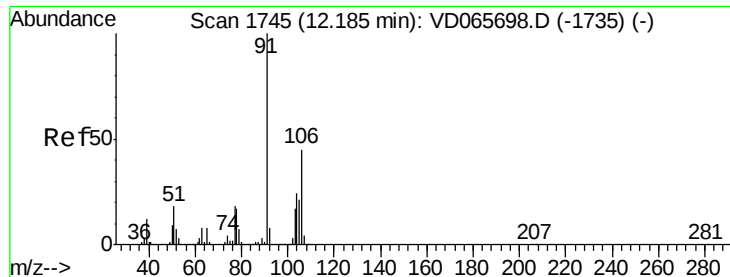
MMDadoda
5/7/2020 10:36:05 AM



#68
m/p-Xylenes
Concen: 96.949 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion: 106 Resp: 885739
Ion Ratio Lower Upper
106 100
91 202.2 163.1 244.7





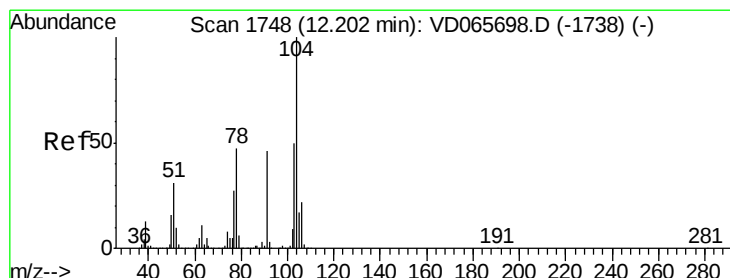
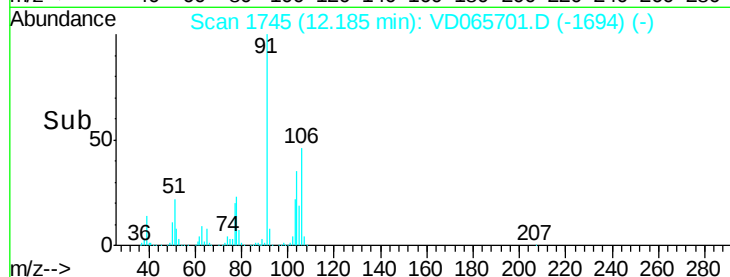
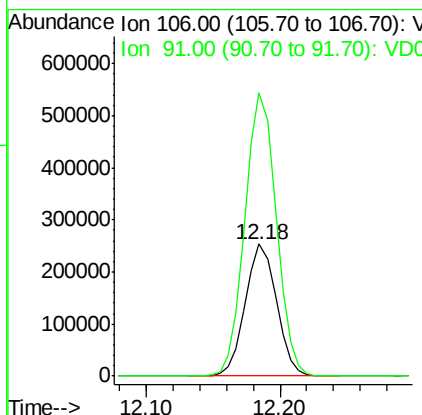
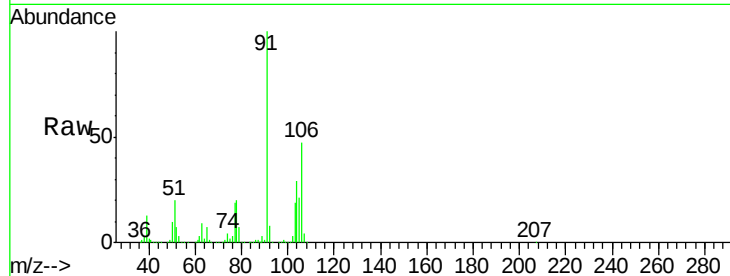
#69
o-Xylene
Concen: 48.061 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050620

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		409727		
91	215.5	107.9	323.7		

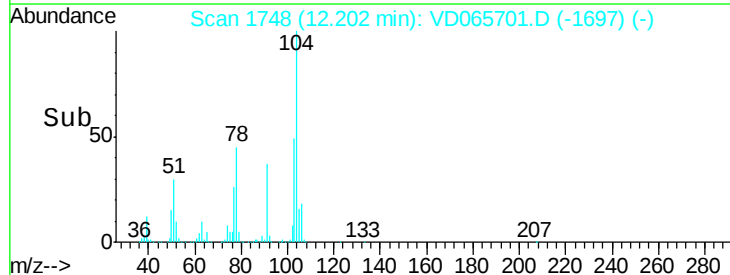
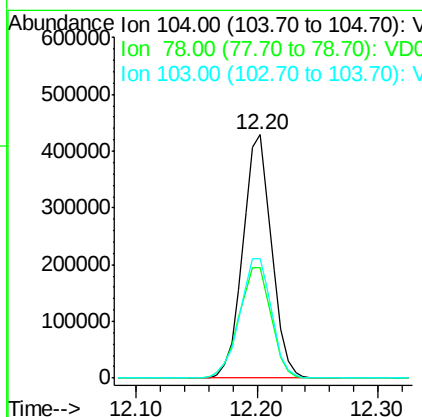
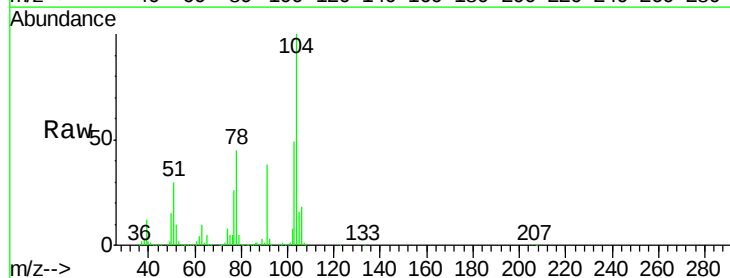
Manual Integrations
APPROVED

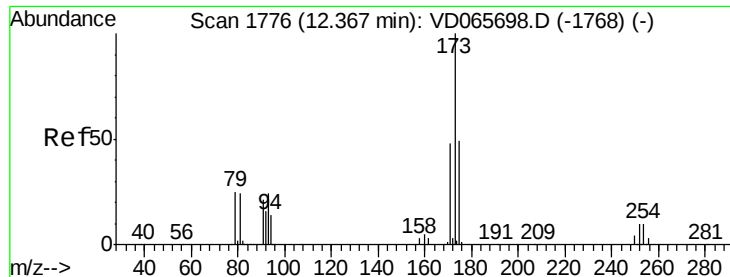
MMDadoda
5/7/2020 10:36:05 AM



#70
Styrene
Concen: 48.525 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		711260		
78	51.5	41.0	61.4		
103	54.4	43.8	65.6		





#71

Bromoform

Concen: 49.459 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050620

Tot Ion:173 Resp: 136307

Ion Ratio Lower Upper

173 100

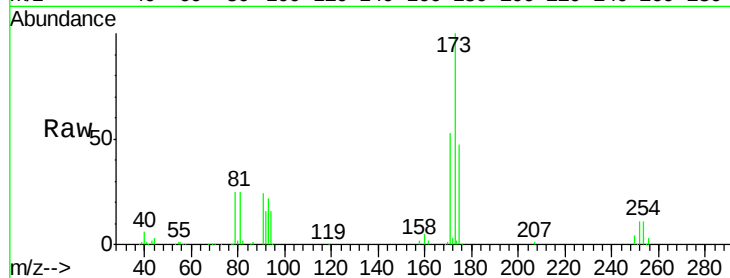
175 49.3 24.5 73.5

254 0.1 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

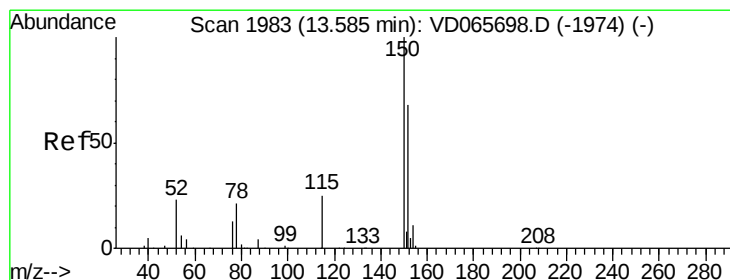
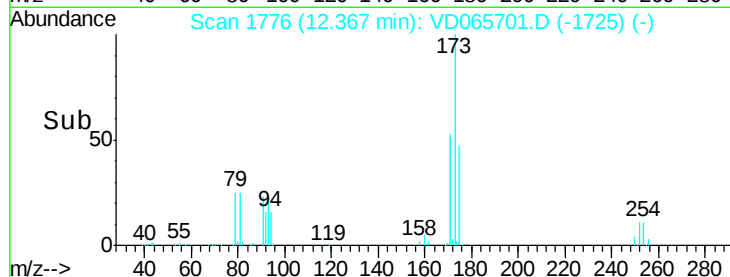
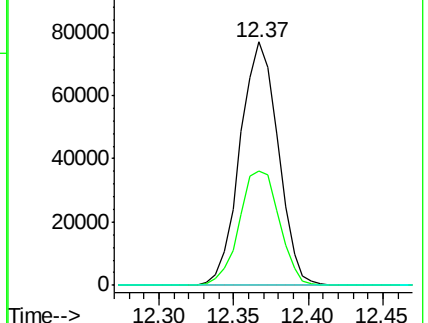
5/7/2020 10:36:05 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

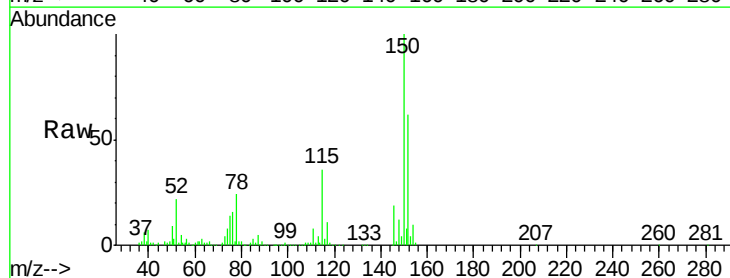
Tgt Ion:152 Resp: 306678

Ion Ratio Lower Upper

152 100

115 58.4 29.5 88.5

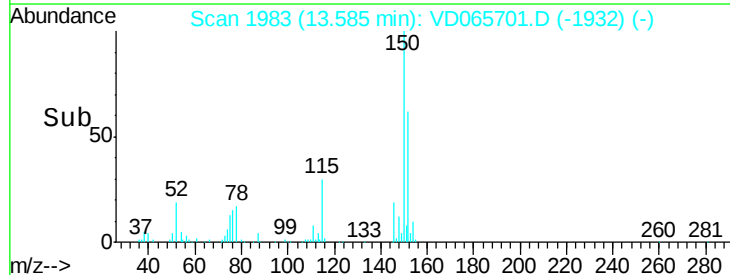
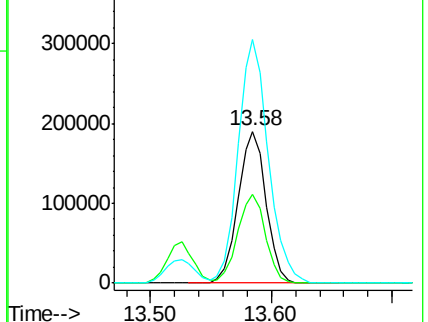
150 173.2 0.0 346.8

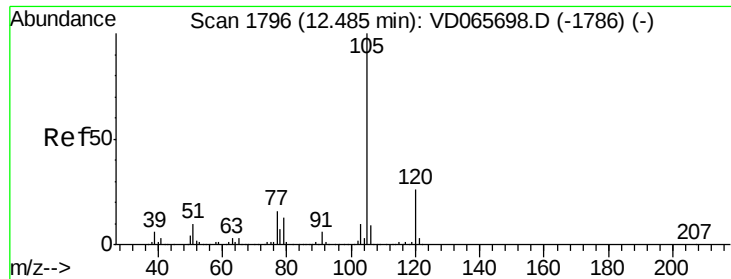


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





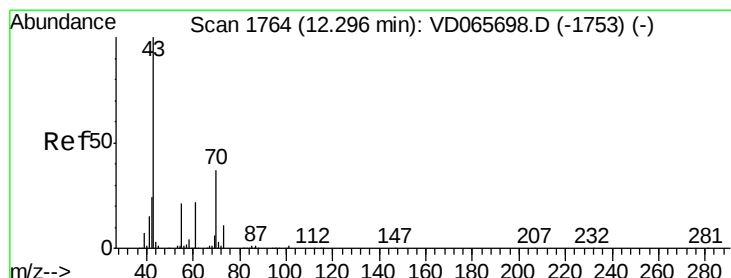
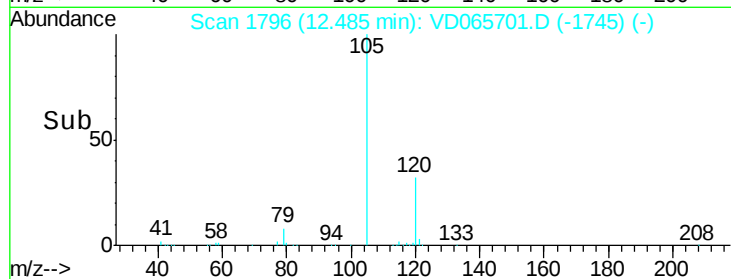
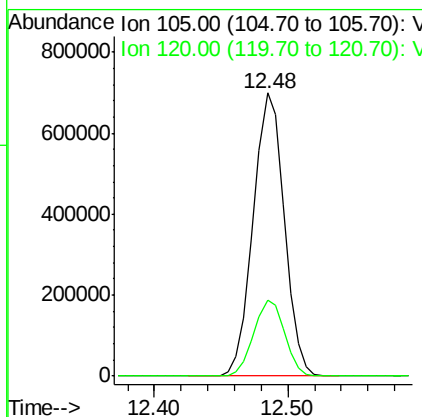
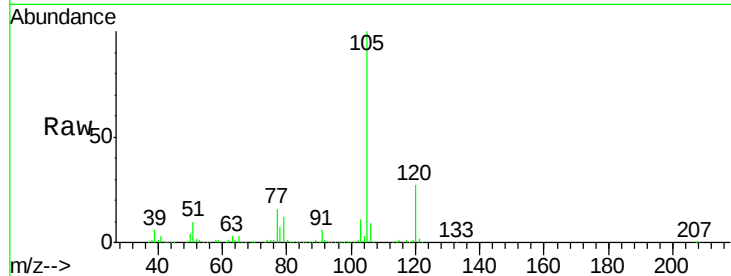
#73
Isopropylbenzene
Concen: 48.382 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050620

Tot Ion: 105 Resp: 1124221
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.2

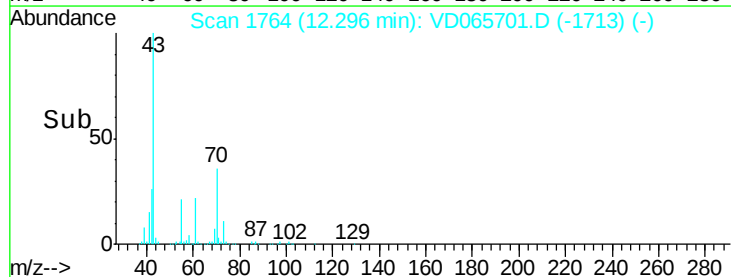
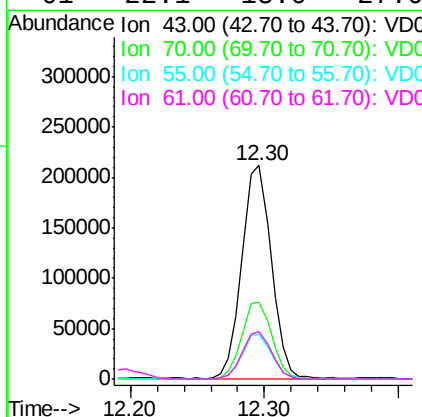
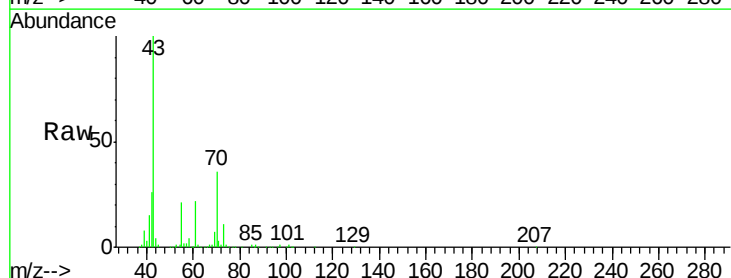
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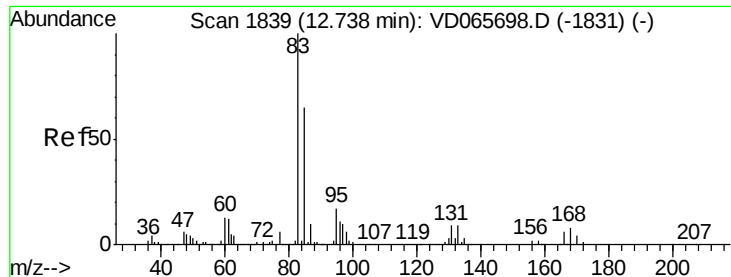
MMDadoda
5/7/2020 10:36:05 AM



#74
N-ethyl acetate
Concen: 48.500 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion: 43 Resp: 321728
Ion Ratio Lower Upper
43 100
70 36.9 29.3 43.9
55 20.8 16.4 24.6
61 22.1 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.557 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

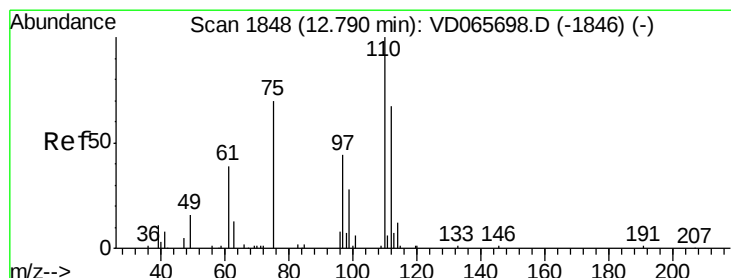
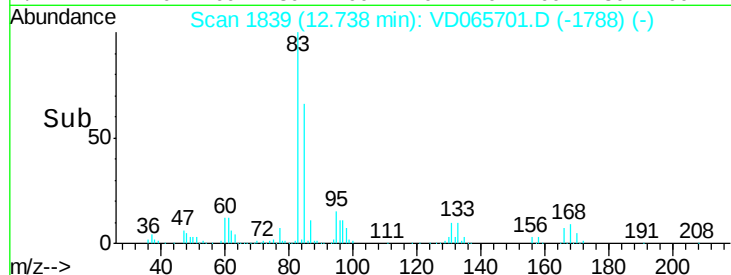
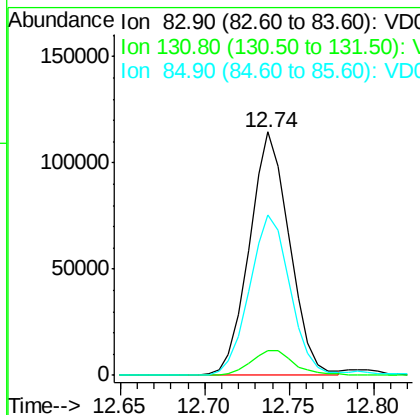
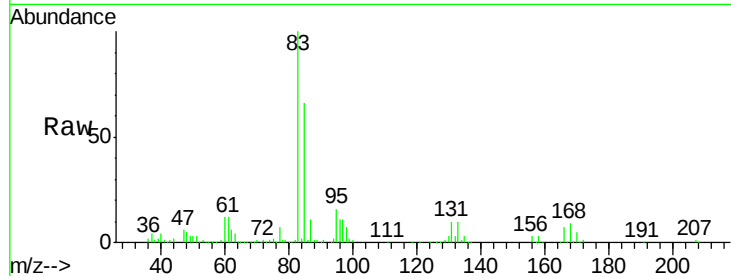
ClientSampleId :

ICVVD050620

Tot Ion:	83	Resp:	189202
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.5	16.7
85	66.9	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.342 ug/l m

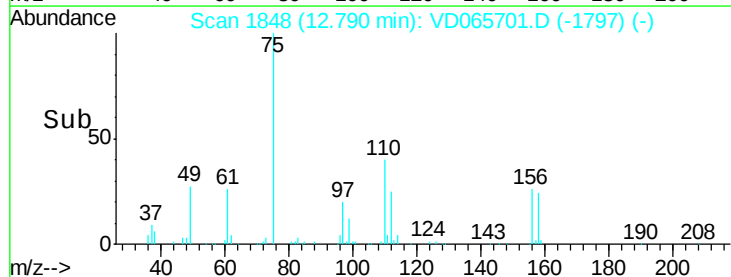
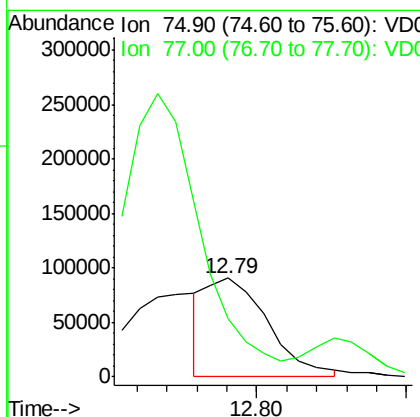
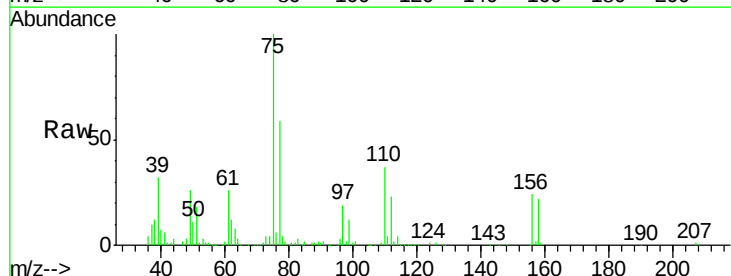
RT: 12.79 min Scan# 1848

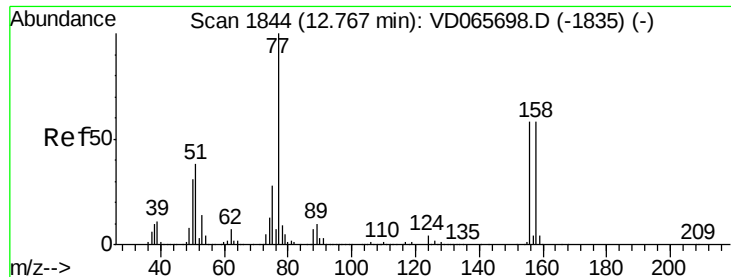
Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Tgt Ion:	75	Resp:	130395
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.033 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

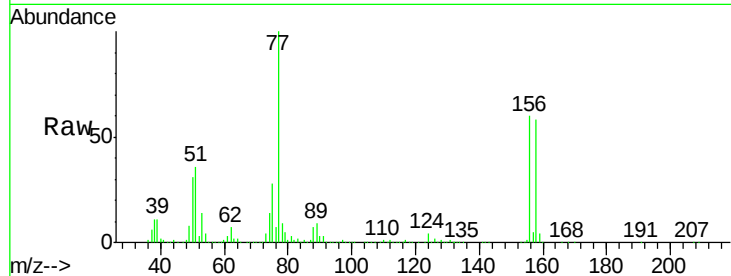
ClientSampleId :

ICVVD050620

Tot Ion:	156	Resp:	266592
Ion Ratio	Lower	Upper	
156	100		
77	180.2	92.9	278.7
158	97.2	48.9	146.7

Manual Integrations
APPROVED

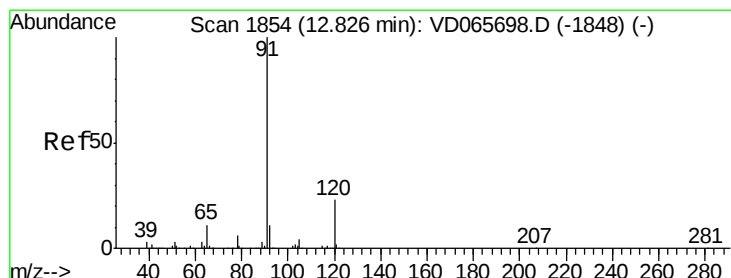
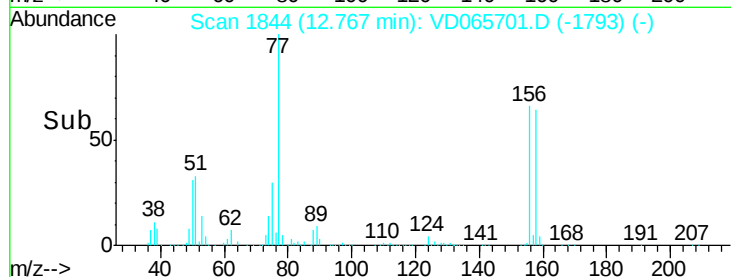
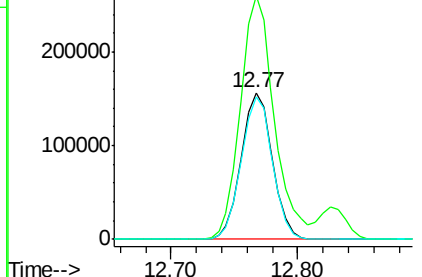
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.293 ug/l

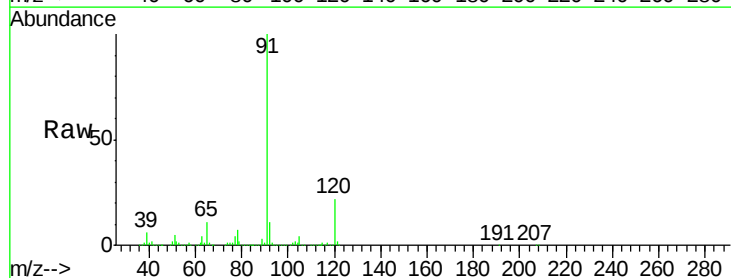
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065701.D

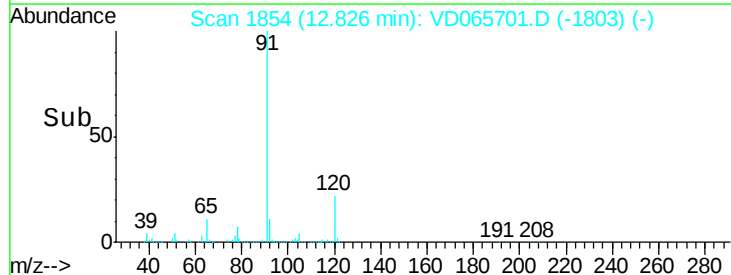
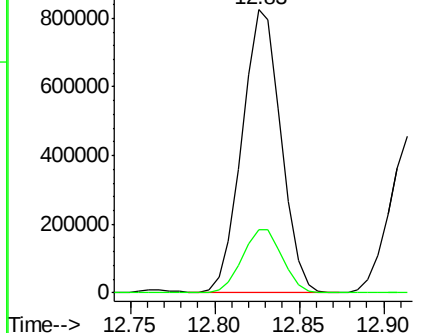
Acq: 06 May 2020 17:27

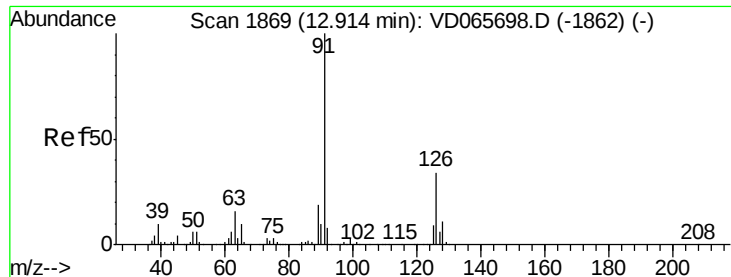
Tgt Ion:	91	Resp:	1321323
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.254 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050620

Tot Ion: 91 Resp: 745930

Ion Ratio Lower Upper

91 100

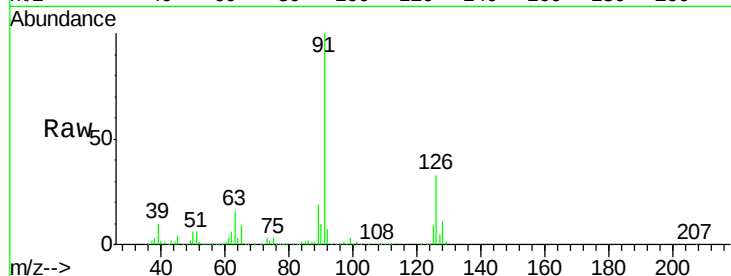
126 34.0 16.9 50.6

Manual Integrations

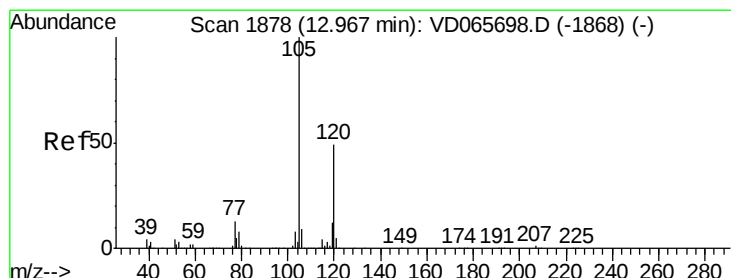
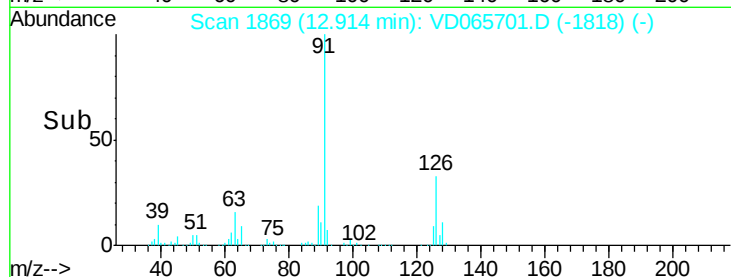
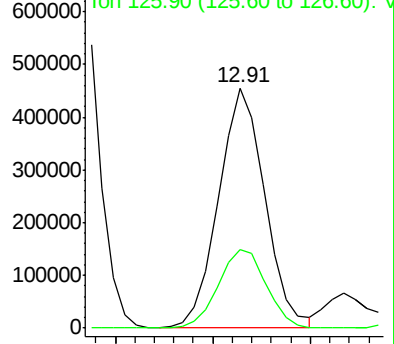
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Abundance Ion 91.00 (90.70 to 91.70): VD065701.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.296 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065701.D

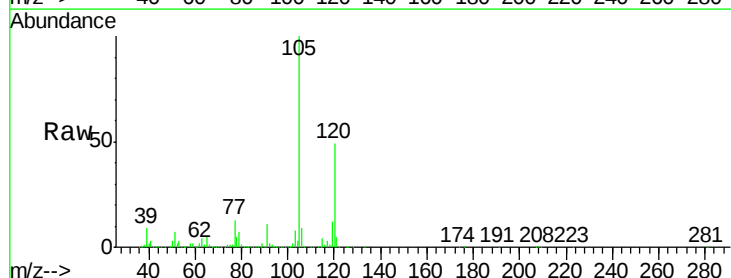
Acq: 06 May 2020 17:27

Tgt Ion: 105 Resp: 921338

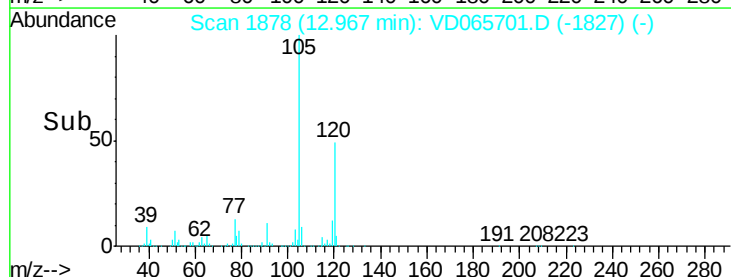
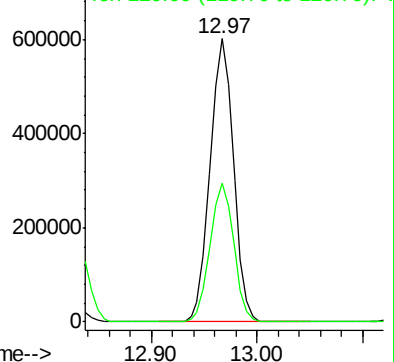
Ion Ratio Lower Upper

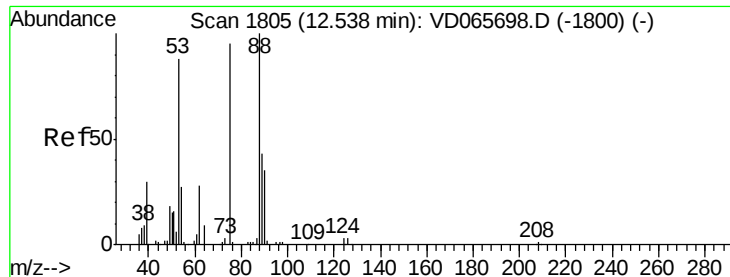
105 100

120 49.4 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VD065701.D (-1827) (-)





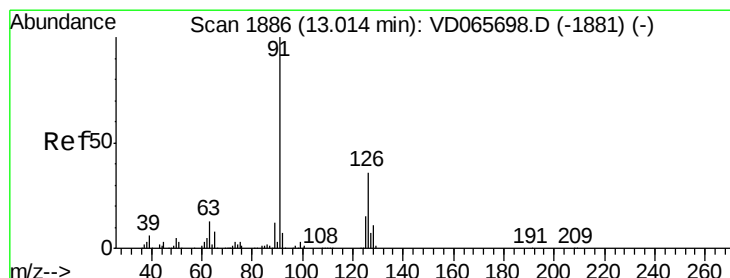
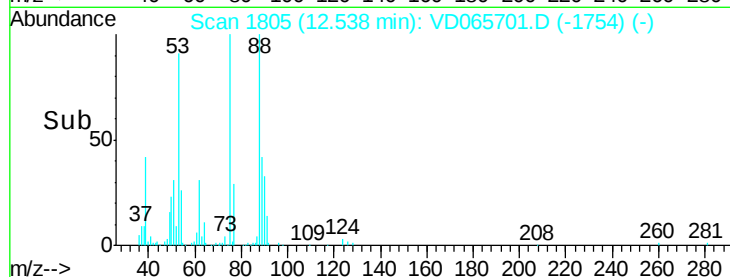
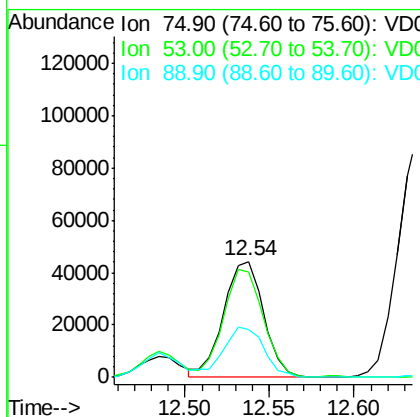
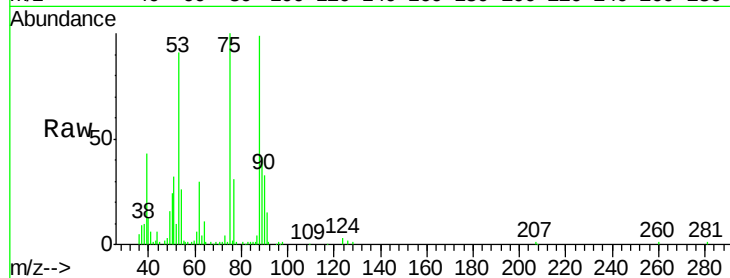
#81
trans-1,4-Dichloro-2-butene
Concen: 49.745 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050620

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.1	75.8	113.8
89	42.1	36.2	54.2

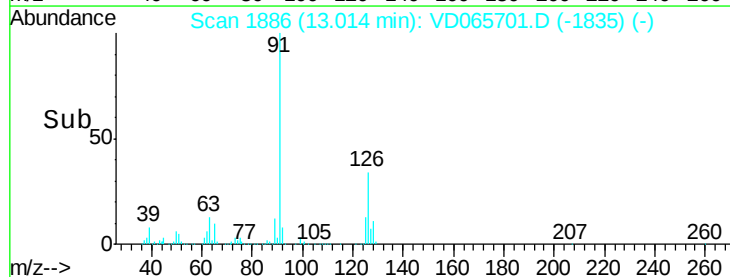
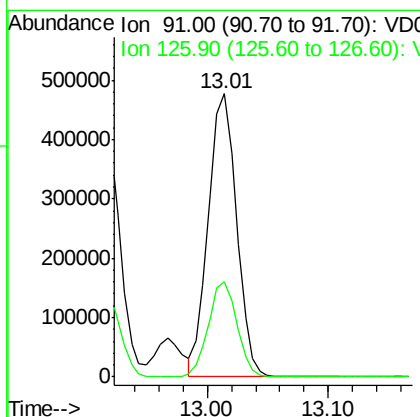
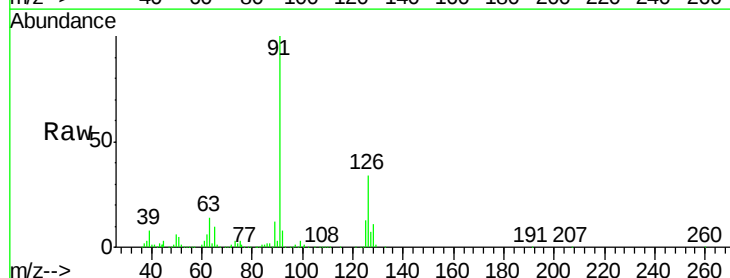
Manual Integrations
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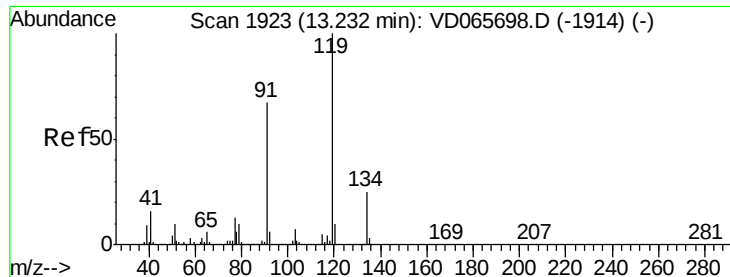
MMDadoda
5/7/2020 10:36:05 AM



#82
4-Chlorotoluene
Concen: 47.729 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.1	51.3





#83

tert-Butylbenzene

Concen: 48.435 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

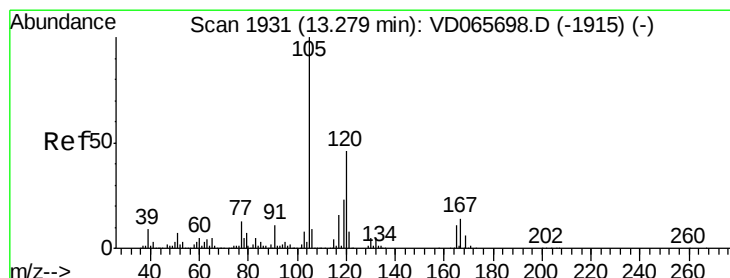
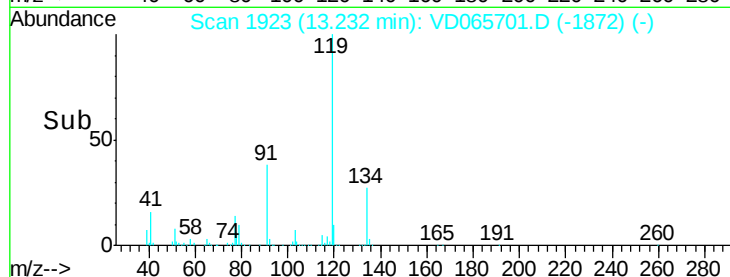
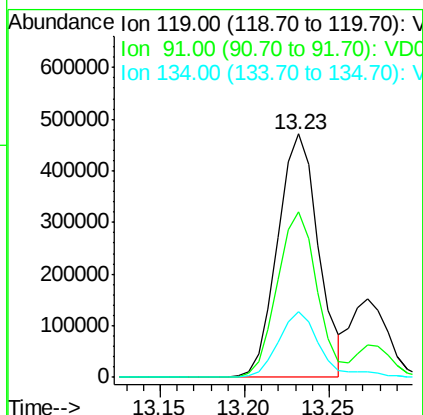
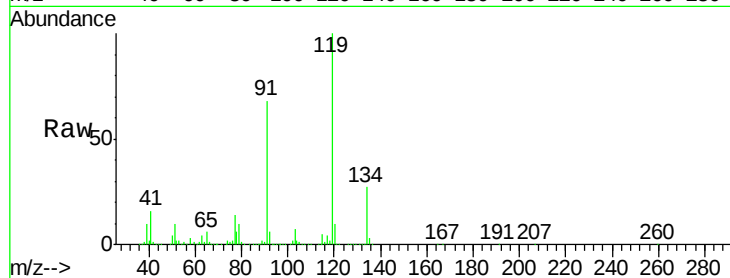
ClientSampleId :

ICVVD050620

Tot Ion:	119	Resp:	786505
Ion Ratio	Lower	Upper	
119	100		
91	67.1	33.6	100.8
134	27.8	13.6	40.8

Manual Integrations
APPROVED

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5/7/2020 10:36:05 AM



#84

1,2,4-Trimethylbenzene

Concen: 47.972 ug/l

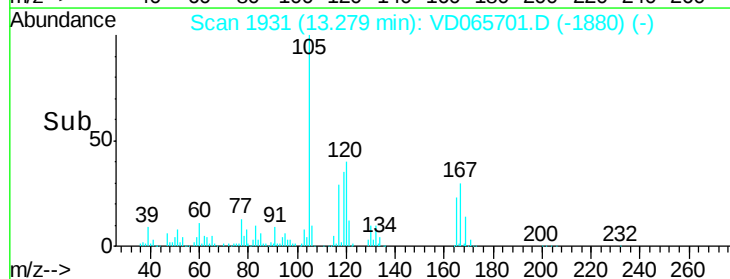
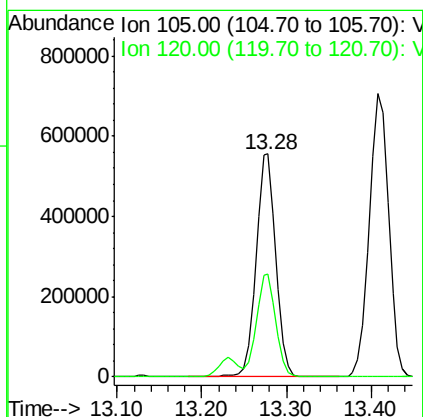
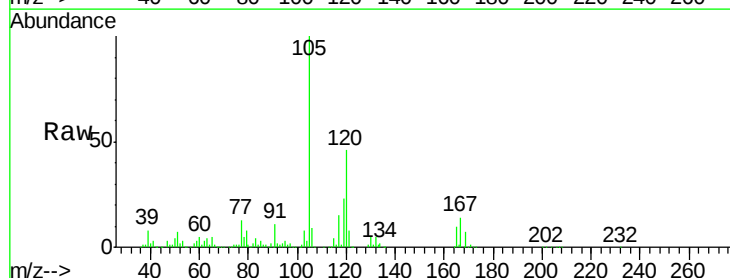
RT: 13.28 min Scan# 1931

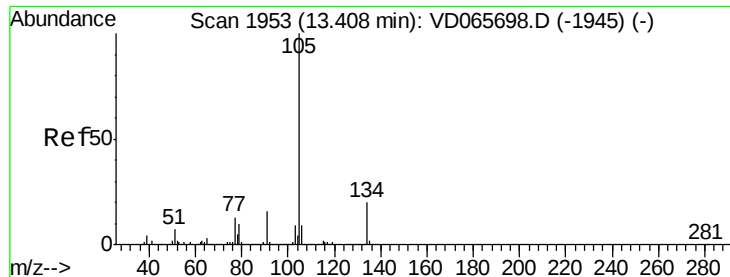
Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Tgt Ion:	105	Resp:	911605
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.8	68.4





#85

sec-Butylbenzene

Concen: 48.838 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050620

Tot Ion:105 Resp: 1112437

Ion Ratio Lower Upper

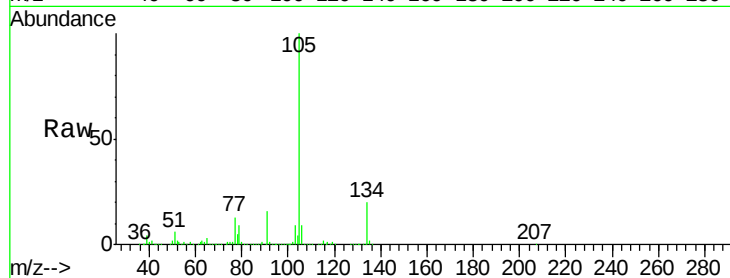
105 100

134 20.4 10.3 30.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

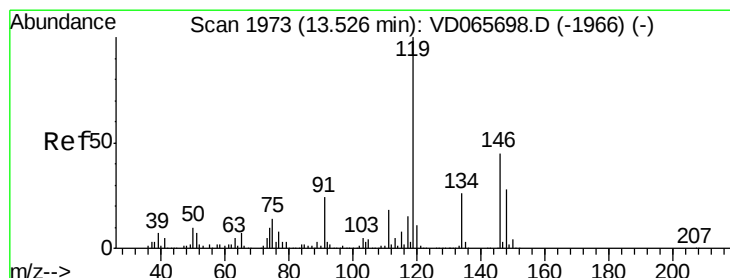
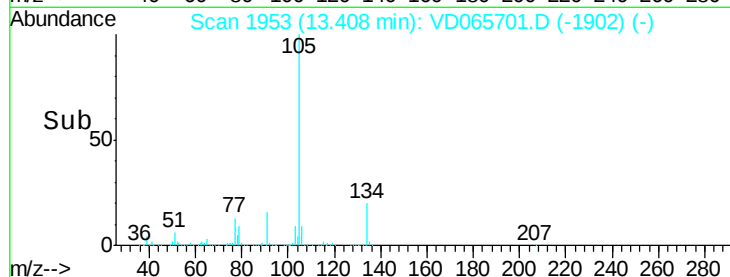
400000

200000

0

13.40 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 48.394 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

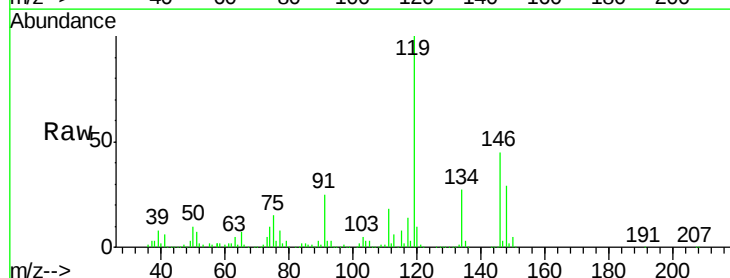
Tgt Ion:119 Resp: 1004504

Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.6

91 24.0 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

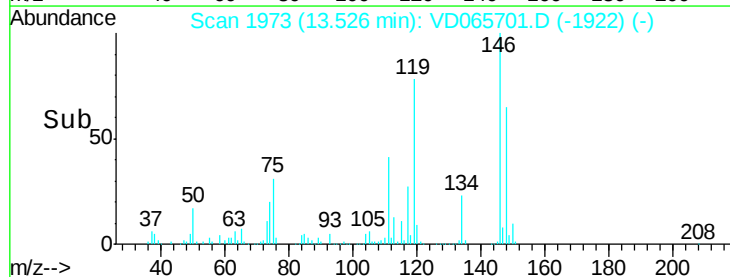
400000

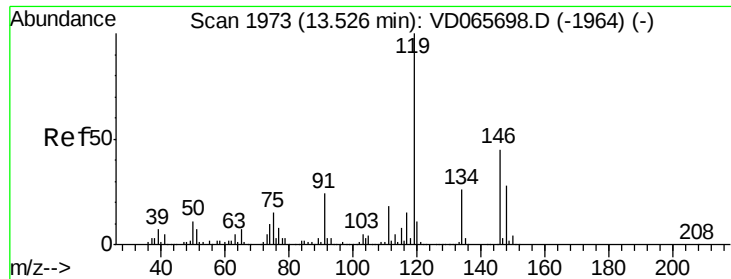
200000

0

13.40 13.50 13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.882 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

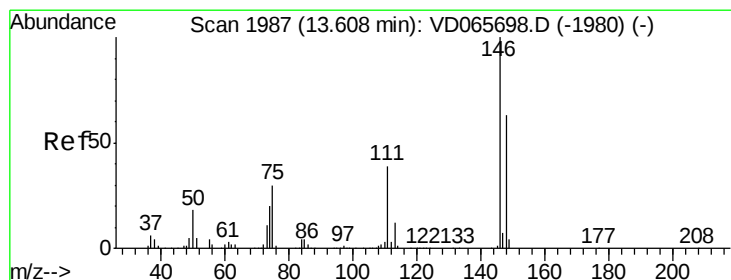
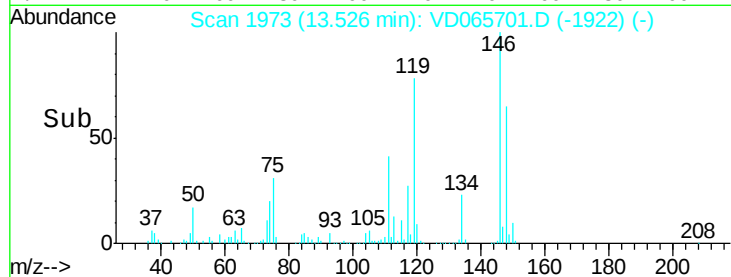
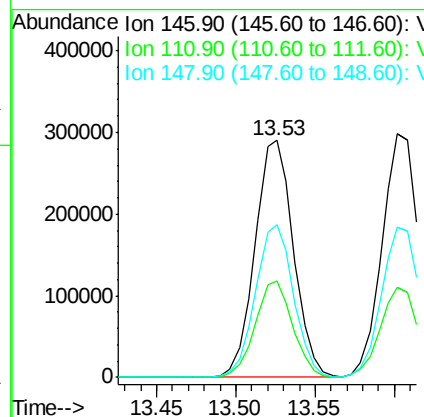
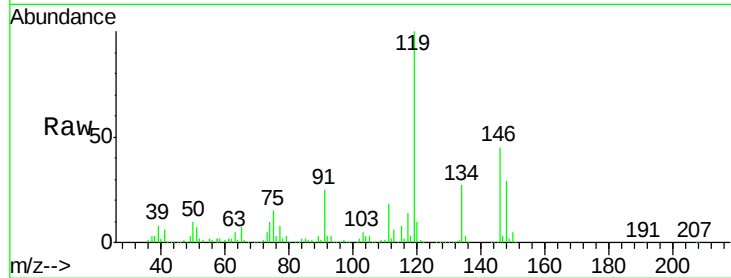
ClientSampleId :

ICVVD050620

Tot Ion:	146	Resp:	489538
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.6	58.8
148	63.9	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.179 ug/l

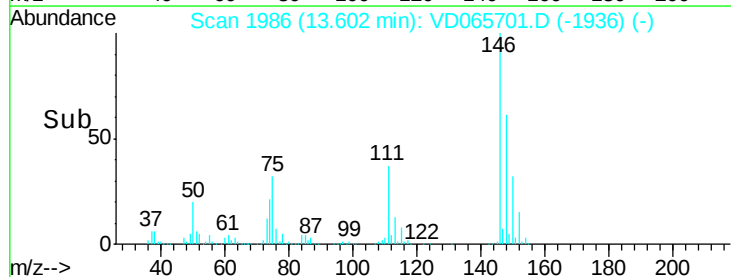
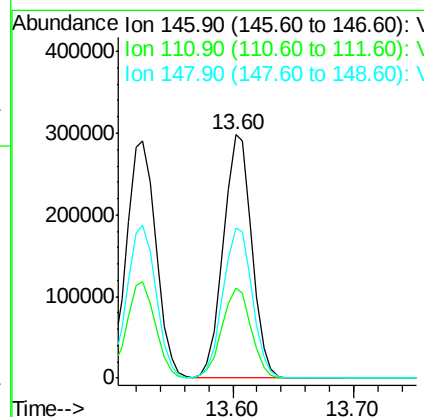
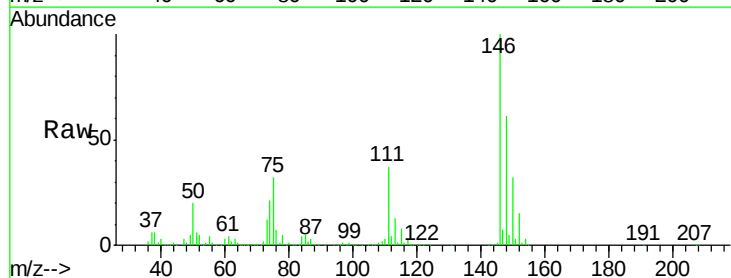
RT: 13.60 min Scan# 1986

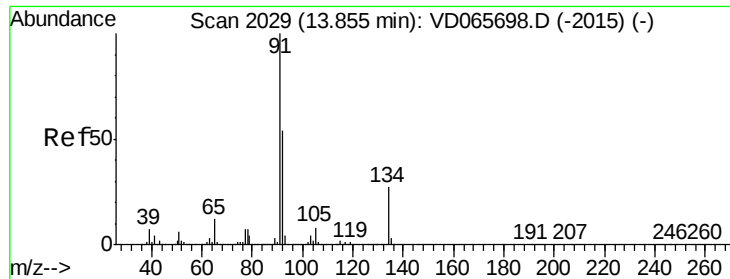
Delta R.T. -0.01 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Tgt Ion:	146	Resp:	485924
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.6	58.7
148	63.3	31.9	95.5





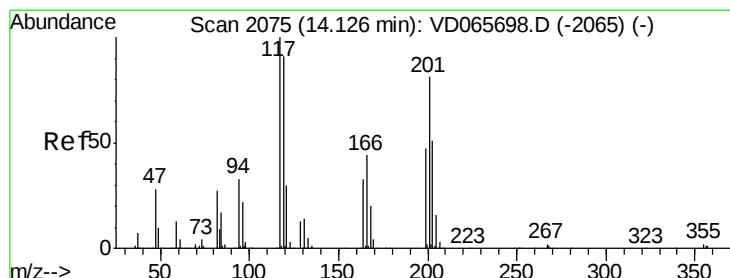
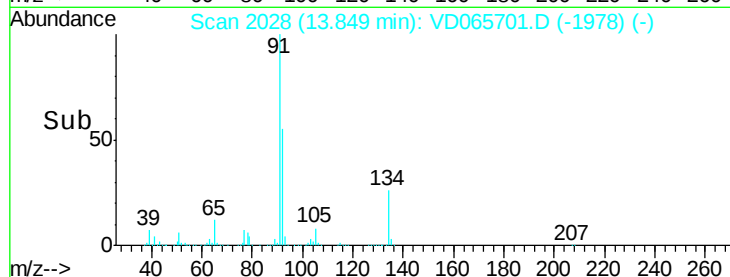
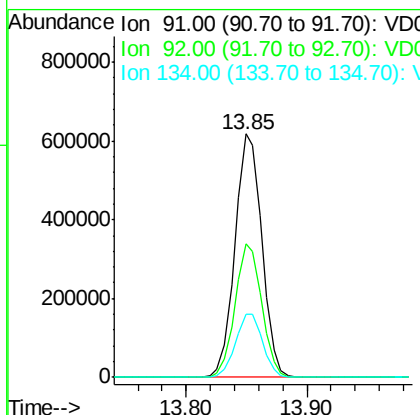
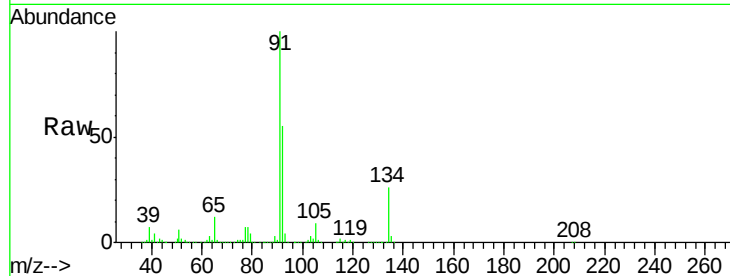
#89
n-Butylbenzene
Concen: 47.617 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050620

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		957596		
92	54.2	27.4	82.0		
134	26.3	13.3	39.8		

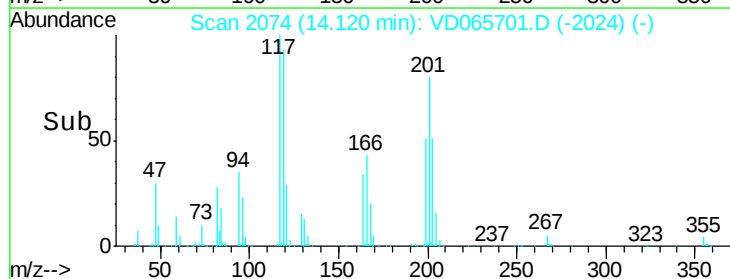
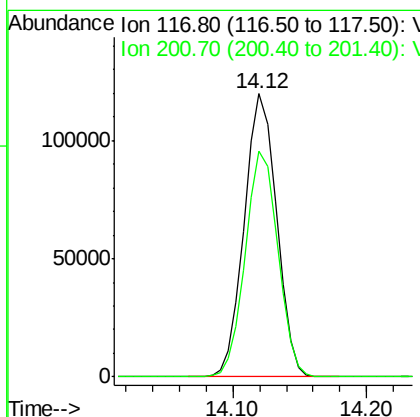
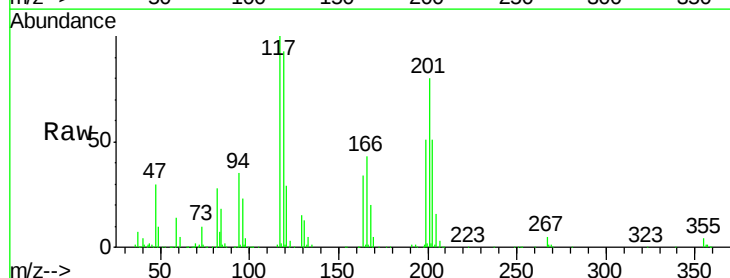
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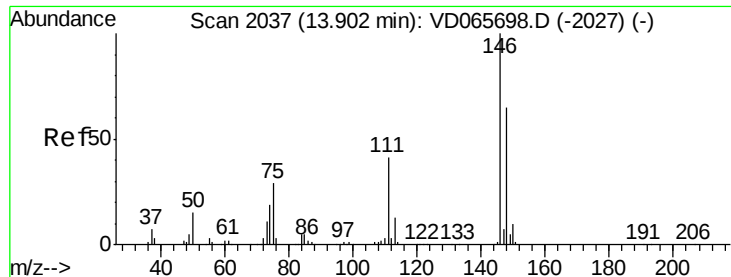
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#90
Hexachloroethane
Concen: 48.566 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.01 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		200782		
201	80.2	39.1	117.2		





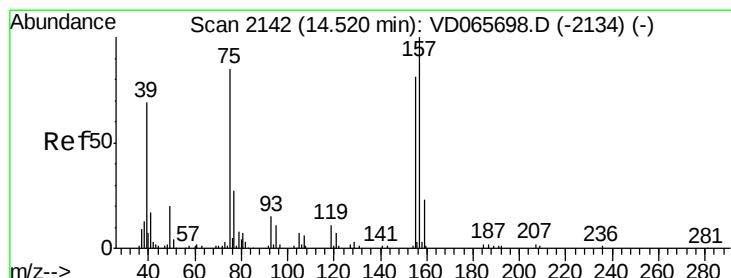
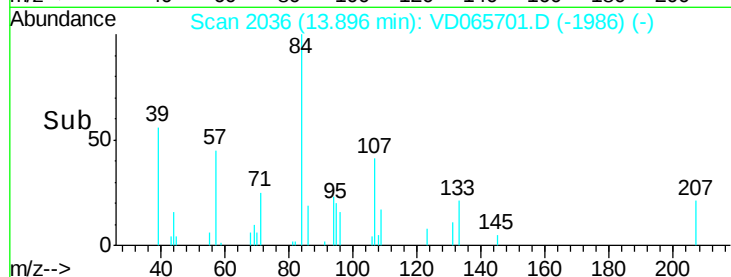
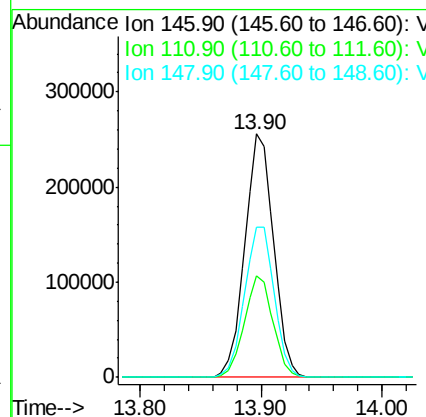
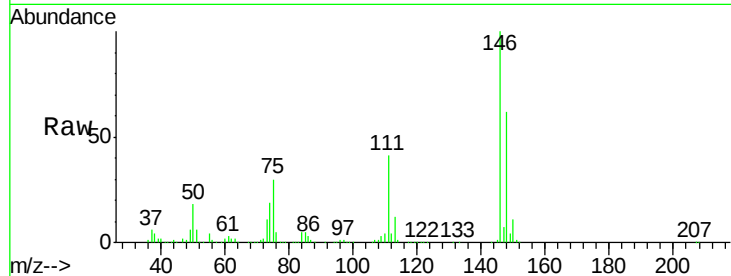
#91
 1,2-Dichlorobenzene
 Concen: 49.208 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050620

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	61.0
148	63.8	31.9	95.9

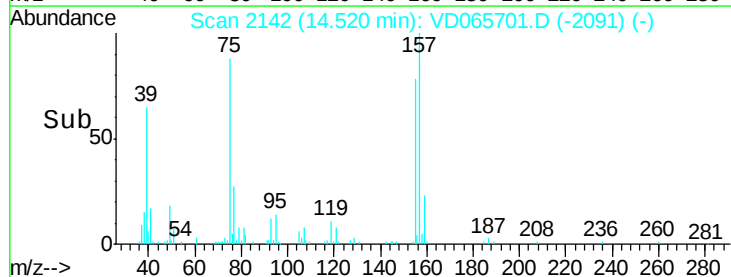
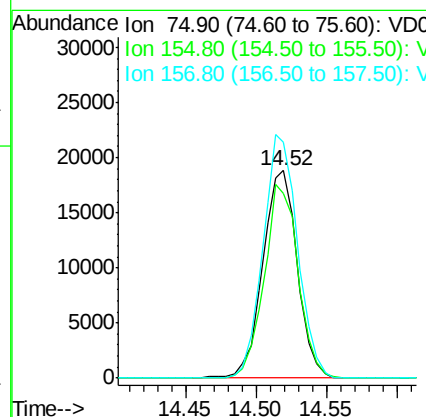
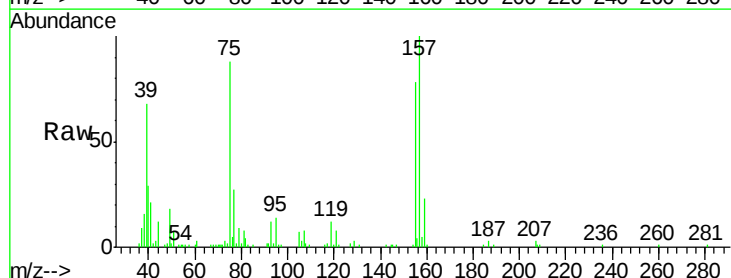
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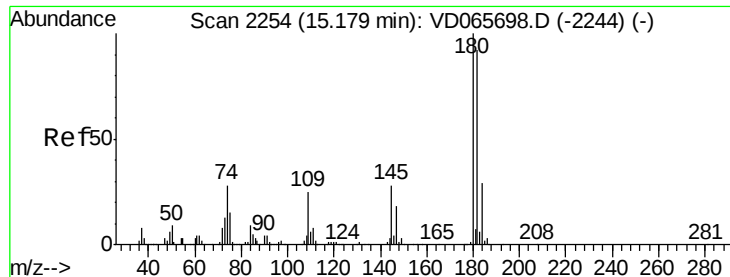
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.299 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	43.5	130.5
157	117.4	54.5	163.6





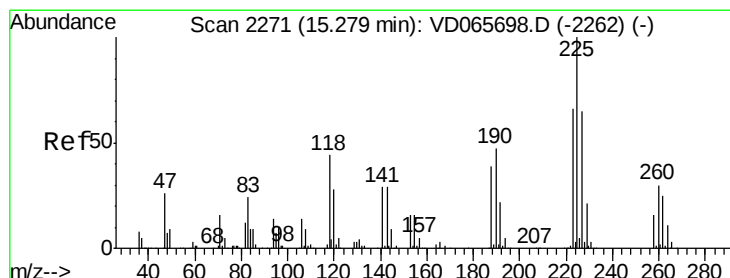
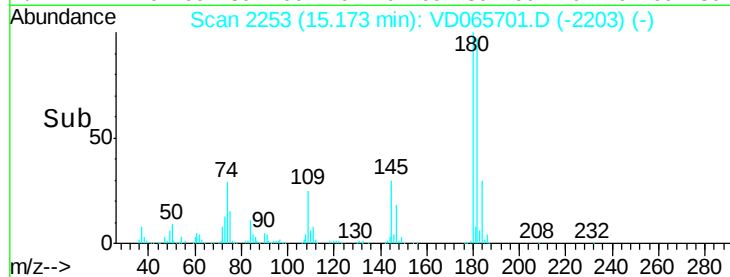
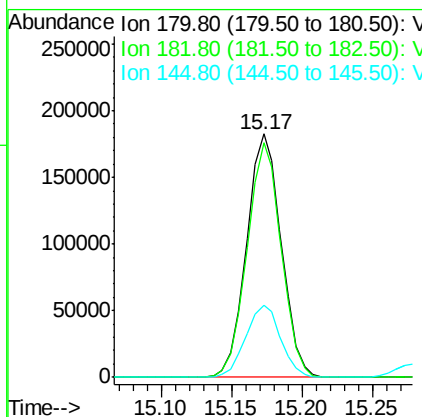
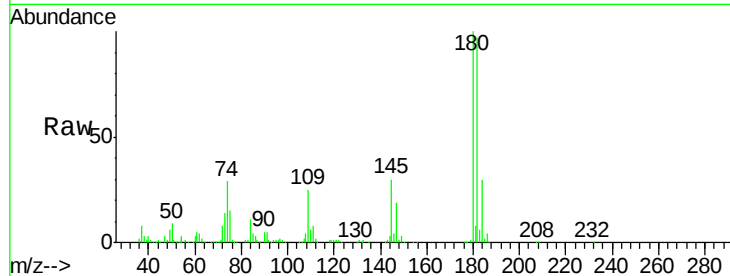
#93
 1,2,4-Trichlorobenzene
 Concen: 48.365 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050620

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	47.0	141.0	
145	30.0	14.8	44.3	

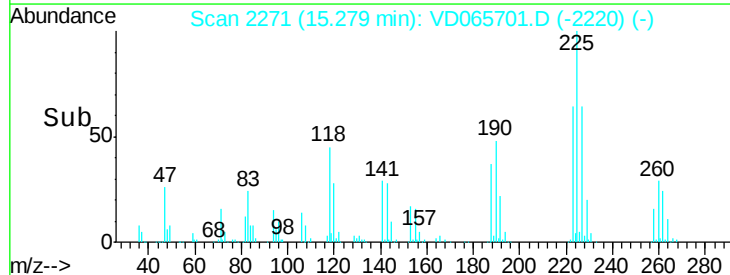
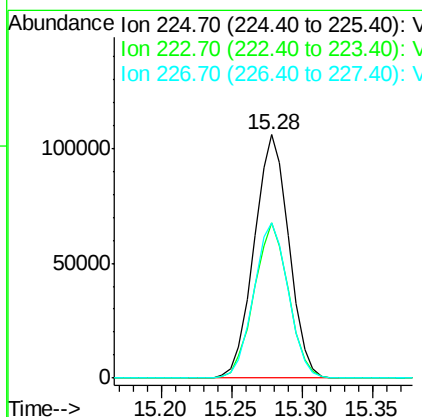
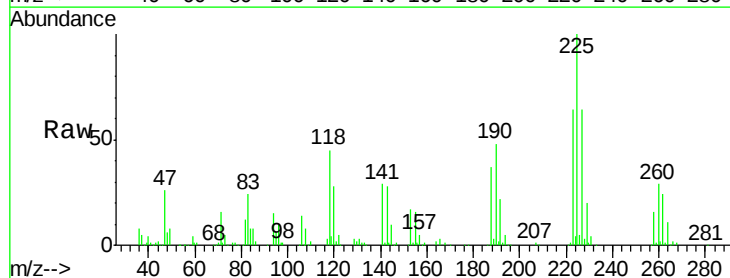
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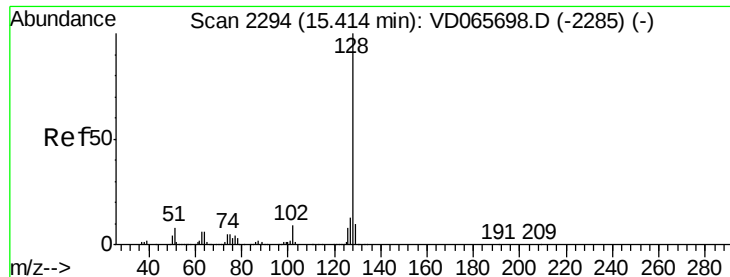
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#94
 Hexachlorobutadiene
 Concen: 48.725 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	31.8	95.3	
227	63.7	31.6	94.8	





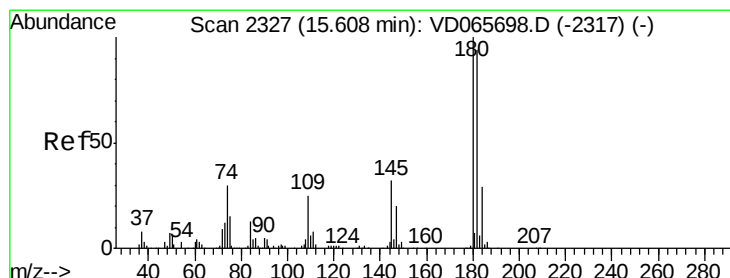
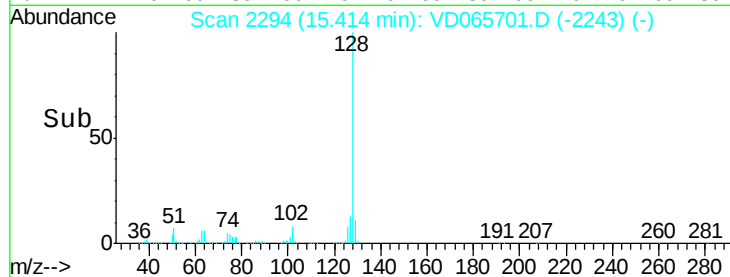
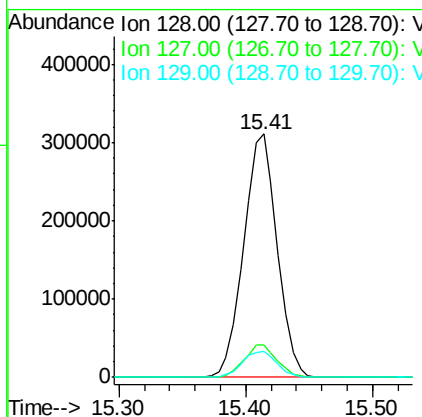
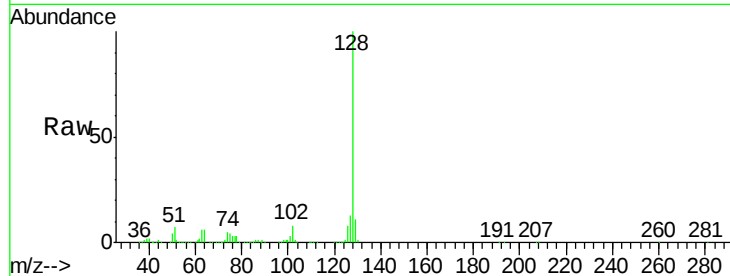
#95
Naphthalene
Concen: 49.842 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050620

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.0	9.0	13.4

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#96
1,2,3-Trichlorobenzene
Concen: 49.464 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	46.9	140.6
145	31.3	16.0	47.9

