

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
 Data File : VD065698.D
 Acq On : 06 May 2020 15:38
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:35:59 AM

Quant Time: May 06 16:13:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 15:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	482959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	744377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	661643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	312828	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	249339	53.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.26%	
35) Dibromofluoromethane	7.92	113	241100	47.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.24%	
50) Toluene-d8	10.34	98	933633	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.64	95	326091	53.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.44%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	185308	44.117	ug/l	100
3) Chloromethane	2.21	50	228839	43.183	ug/l	100
4) Vinyl Chloride	2.35	62	239223	47.920	ug/l	100
5) Bromomethane	2.77	94	145521	41.654	ug/l	100
6) Chloroethane	2.92	64	150207	48.340	ug/l	100
7) Trichlorofluoromethane	3.27	101	379862	49.295	ug/l	100
8) Diethyl Ether	3.71	74	118213	68.727	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	231165	46.658	ug/l	100
10) Methyl Iodide	4.30	142	240552	50.589	ug/l	100
11) Tert butyl alcohol	5.23	59	92276	356.586	ug/l	100
12) 1,1-Dichloroethene	4.07	96	225992	48.921	ug/l	100
13) Acrolein	3.93	56	89618	269.397	ug/l	100
14) Allyl chloride	4.71	41	442910	61.308	ug/l	100
15) Acrylonitrile	5.43	53	276679	284.602	ug/l	100
16) Acetone	4.16	43	278620	312.844	ug/l	100
17) Carbon Disulfide	4.41	76	747559	48.802	ug/l	100
18) Methyl Acetate	4.73	43	126528	51.317	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	563031	60.547	ug/l	100
20) Methylene Chloride	4.97	84	246620	45.270	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	252535	48.730	ug/l	100
22) Diisopropyl ether	6.37	45	847179	61.641	ug/l	100
23) Vinyl Acetate	6.31	43	2584423	343.996	ug/l	100
24) 1,1-Dichloroethane	6.27	63	454629	51.350	ug/l	100
25) 2-Butanone	7.22	43	389719	320.697	ug/l	100
26) 2,2-Dichloropropane	7.21	77	403833	50.884	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	279819	51.961	ug/l	100
28) Bromochloromethane	7.56	49	197113	54.296	ug/l	100
29) Tetrahydrofuran	7.57	42	246804	324.088	ug/l	100
30) Chloroform	7.71	83	435905	47.748	ug/l	100
31) Cyclohexane	7.98	56	446837	53.548	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	403711	48.771	ug/l	100
36) 1,1-Dichloropropene	8.12	75	367264	48.852	ug/l	100
37) Ethyl Acetate	7.30	43	175936	59.428	ug/l	100
38) Carbon Tetrachloride	8.10	117	359589	44.685	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	455176	53.247	ug/l	100
40) Benzene	8.36	78	998884	46.884	ug/l	100
41) Methacrylonitrile	7.53	41	91888	55.909	ug/l	100
42) 1,2-Dichloroethane	8.43	62	287128	47.616	ug/l	100
43) Isopropyl Acetate	8.46	43	354818	64.413	ug/l	100
44) Trichloroethene	9.12	130	275429	45.203	ug/l	100
45) 1,2-Dichloropropane	9.40	63	259959	49.417	ug/l	100
46) Dibromomethane	9.48	93	130762	46.536	ug/l	100
47) Bromodichloromethane	9.67	83	344950	46.971	ug/l	100
48) Methyl methacrylate	9.46	41	178824	68.694	ug/l	100
49) 1,4-Dioxane	9.47	88	33173	1080.289	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	862905	308.669	ug/l	100
52) Toluene	10.41	92	631188	47.086	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	353989	53.186	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	413348	51.146	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	177446	45.189	ug/l	100
56) Ethyl methacrylate	10.67	69	255517	61.575	ug/l	100
57) 1,3-Dichloropropane	10.95	76	317478	48.348	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	593070	277.398	ug/l	100
59) 2-Hexanone	10.99	43	599891	321.044	ug/l	100
60) Dibromochloromethane	11.14	129	233252	44.915	ug/l	100
61) 1,2-Dibromoethane	11.25	107	178106	47.358	ug/l	100
64) Tetrachloroethene	10.88	164	229154	44.970	ug/l	100
65) Chlorobenzene	11.68	112	649190	46.512	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	246431	46.430	ug/l	100
67) Ethyl Benzene	11.75	91	1213561	52.110	ug/l	100
68) m/p-Xylenes	11.86	106	903363	99.687	ug/l	100
69) o-Xylene	12.18	106	423751	53.489	ug/l	100
70) Styrene	12.20	104	731512	52.722	ug/l	100
71) Bromoform	12.37	173	138955	46.273	ug/l #	100
73) Isopropylbenzene	12.48	105	1149838	57.406	ug/l	100
74) N-amyl acetate	12.30	43	339084	76.434	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	195637	52.676	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	135785m	53.535	ug/l	
77) Bromobenzene	12.77	156	266925	49.565	ug/l	100
78) n-propylbenzene	12.83	91	1373091	56.849	ug/l	100
79) 2-Chlorotoluene	12.91	91	769741	55.507	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	955856	56.701	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	73825	64.887	ug/l	100
82) 4-Chlorotoluene	13.01	91	799108	53.759	ug/l	100
83) tert-Butylbenzene	13.23	119	810413	57.774	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	942676	56.528	ug/l	100
85) sec-Butylbenzene	13.41	105	1145633	56.962	ug/l	100
86) p-Isopropyltoluene	13.53	119	1041355	56.573	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	498861	48.062	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	493255	47.613	ug/l	100
89) n-Butylbenzene	13.86	91	1008200	59.523	ug/l	100
90) Hexachloroethane	14.13	117	208408	51.629	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	432766	48.933	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	33409	56.582	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	329238	55.384	ug/l	100
94) Hexachlorobutadiene	15.28	225	190235	47.380	ug/l	100
95) Naphthalene	15.41	128	581938	65.139	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	279870	54.623	ug/l	100

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

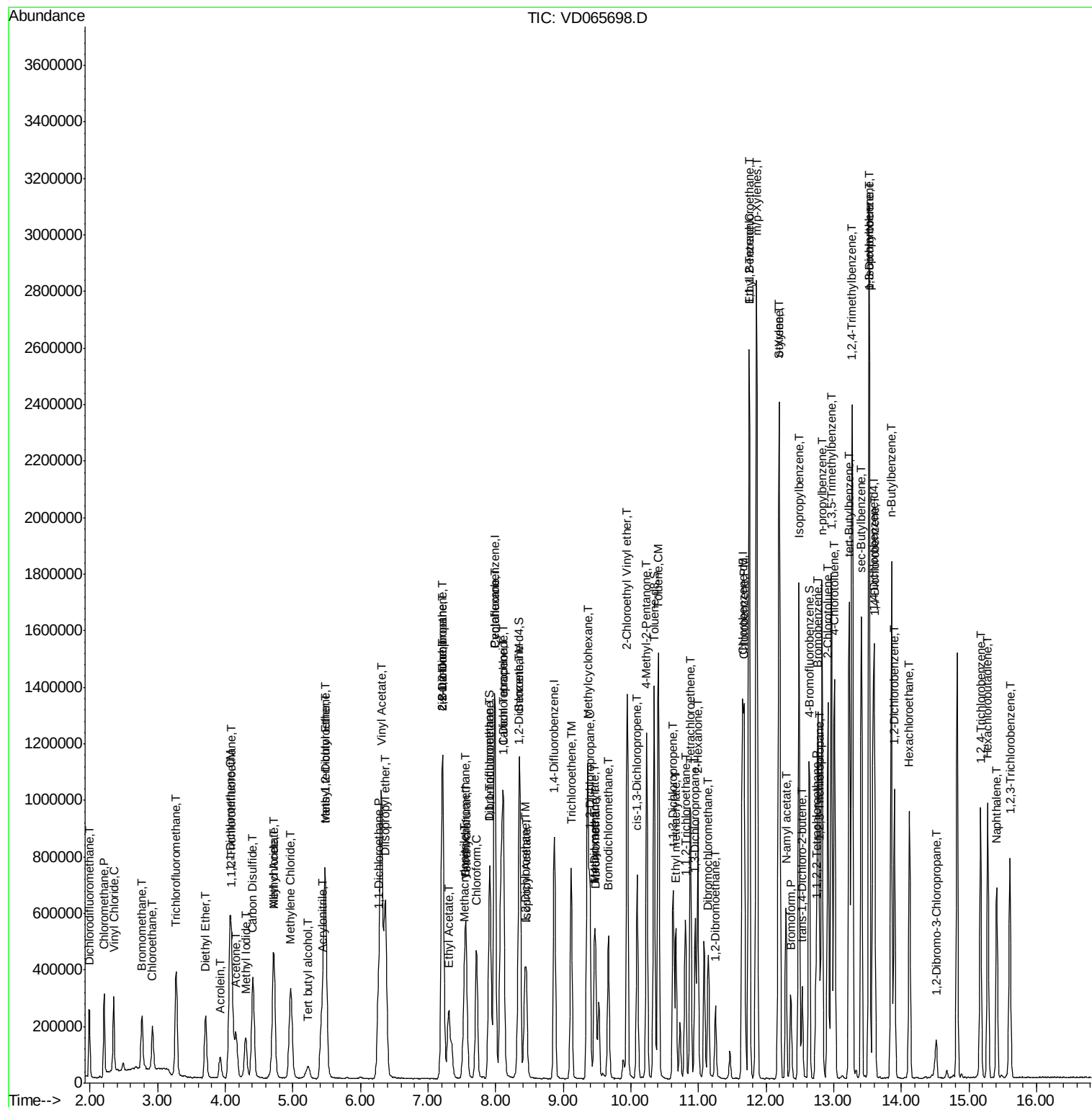
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050620\
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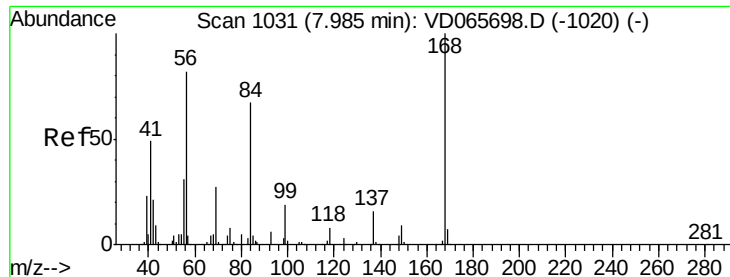
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 482959

Ion Ratio Lower Upper

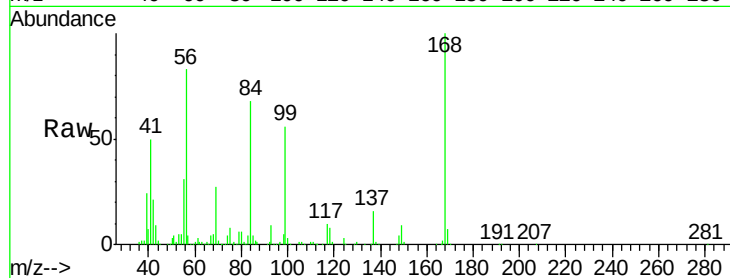
168 100

99 55.3 44.2 66.4

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

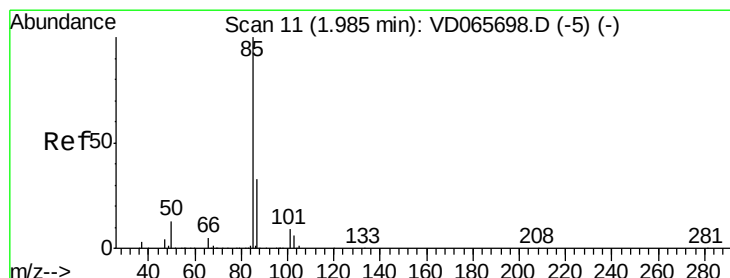
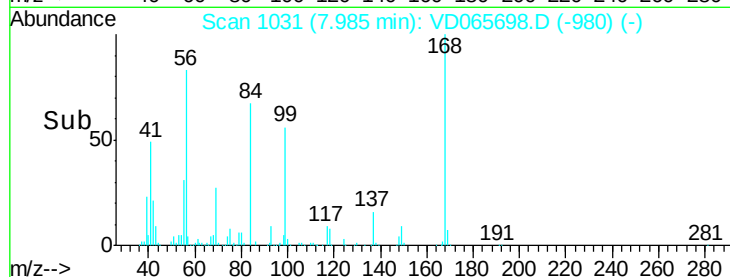
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.117 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065698.D

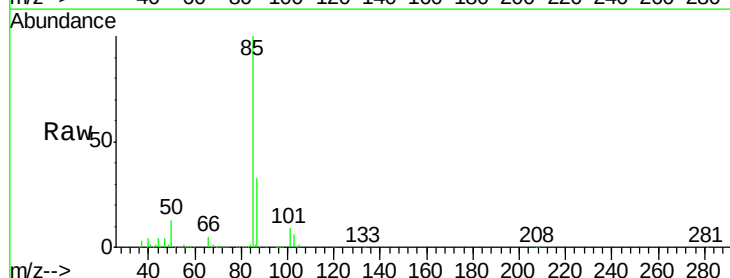
Acq: 06 May 2020 15:38

Tgt Ion: 85 Resp: 185308

Ion Ratio Lower Upper

85 100

87 33.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

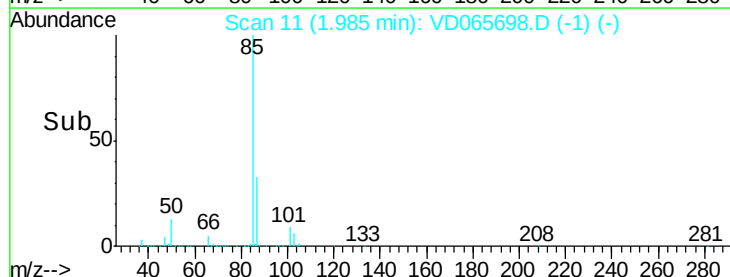
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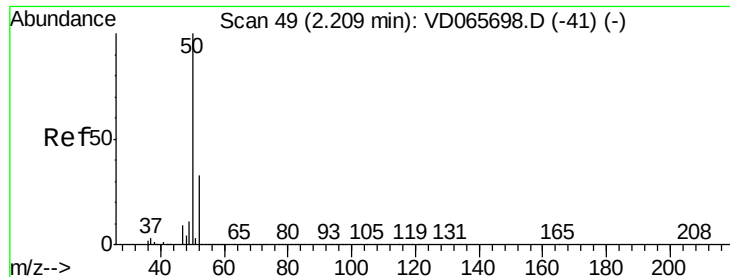
100000

50000

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Time-->





#3

Chloromethane

Concen: 43.183 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 228839

Ion Ratio Lower Upper

50 100

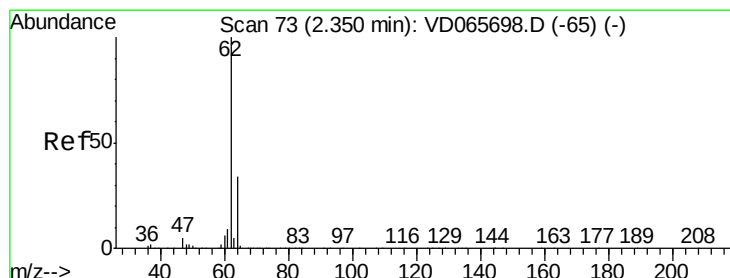
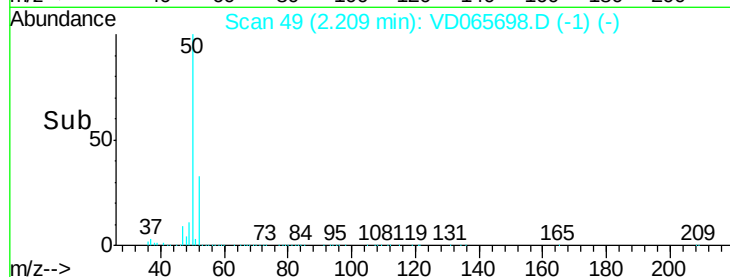
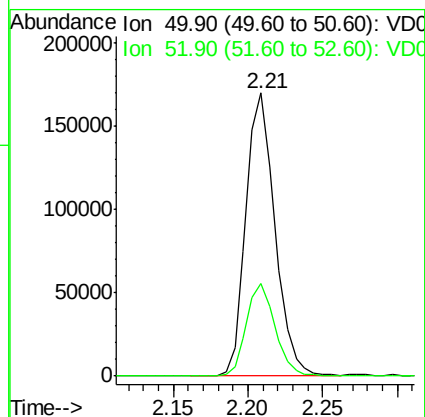
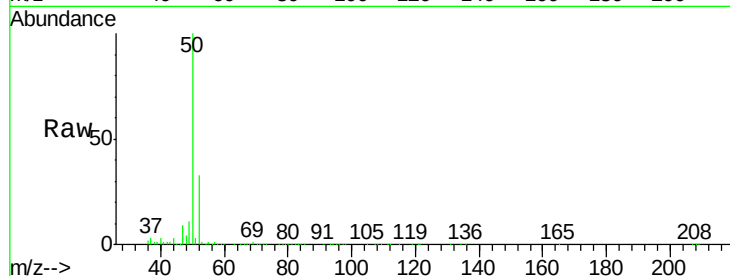
52 32.6 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.920 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065698.D

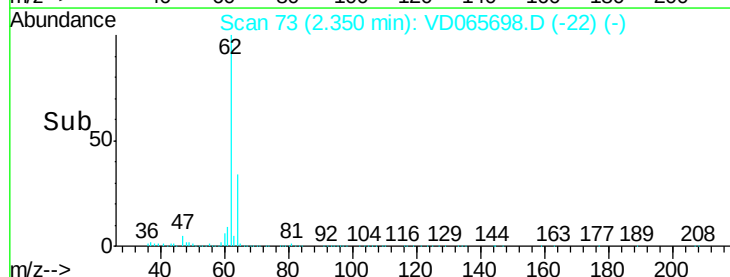
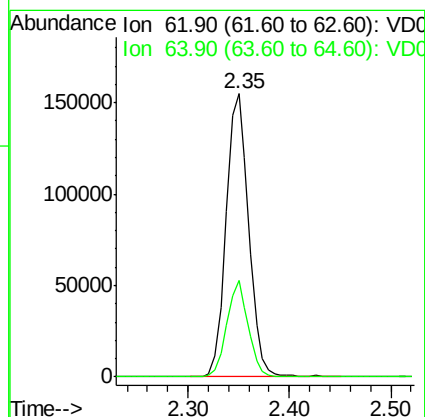
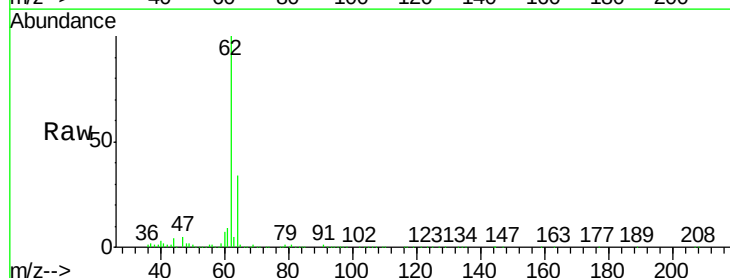
Acq: 06 May 2020 15:38

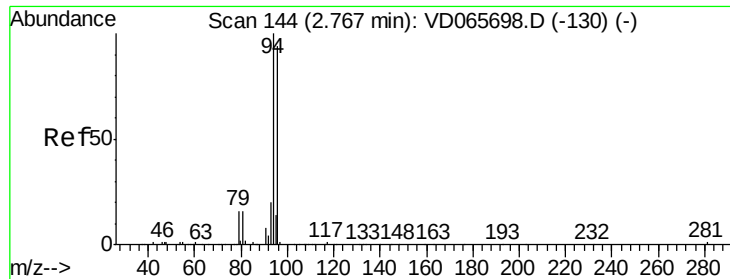
Tgt Ion: 62 Resp: 239223

Ion Ratio Lower Upper

62 100

64 34.0 27.2 40.8





#5

Bromomethane

Concen: 41.654 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 145521

Ion Ratio Lower Upper

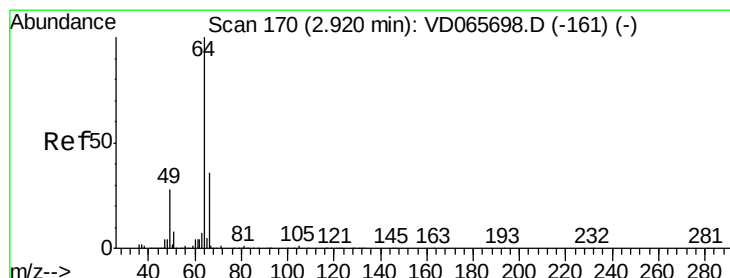
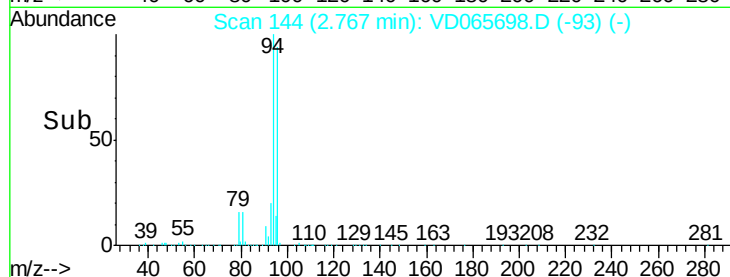
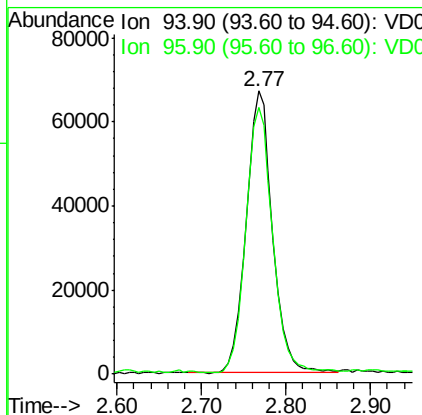
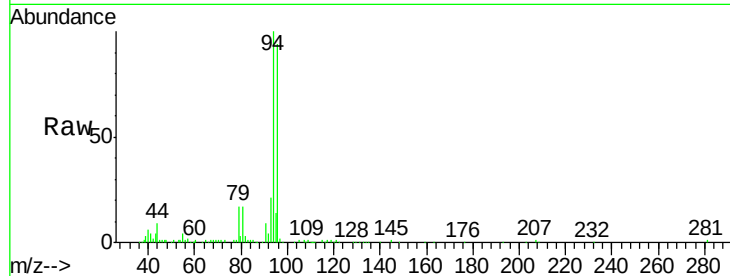
94 100

96 93.8 75.0 112.6

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#6

Chloroethane

Concen: 48.340 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065698.D

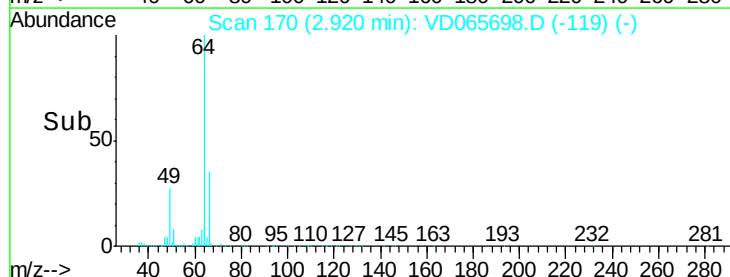
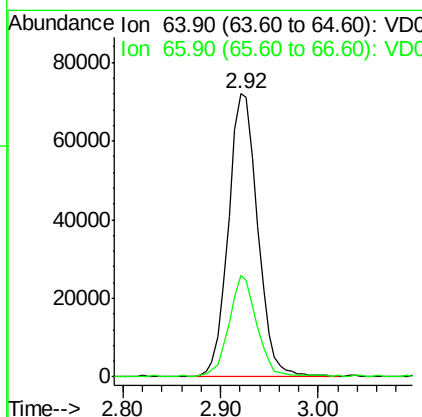
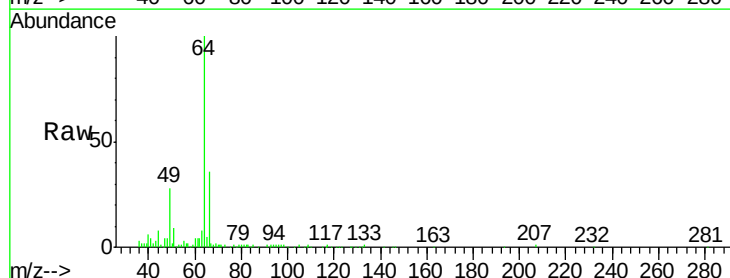
Acq: 06 May 2020 15:38

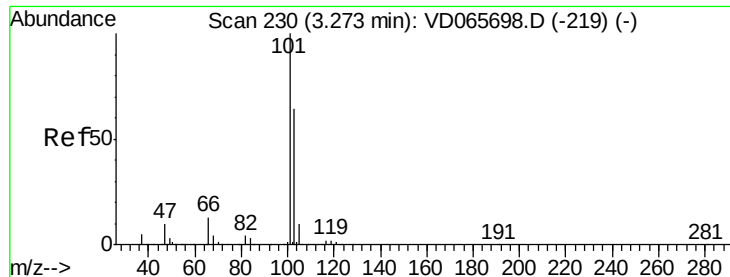
Tgt Ion: 64 Resp: 150207

Ion Ratio Lower Upper

64 100

66 35.6 28.5 42.7





#7

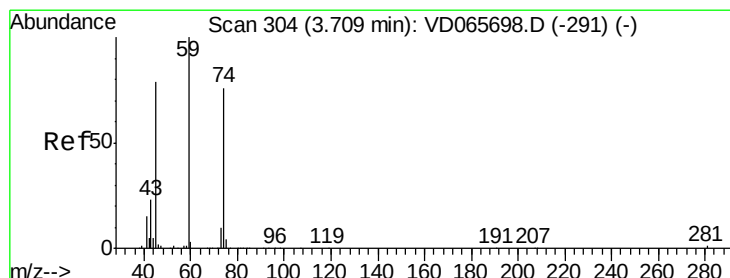
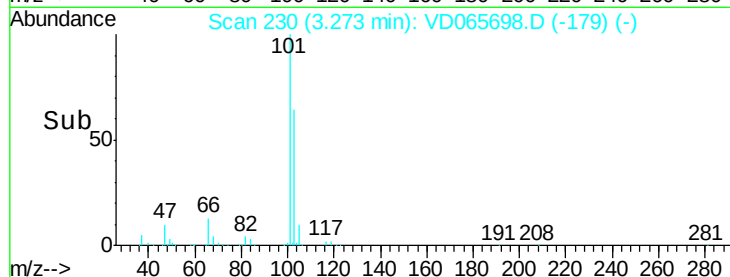
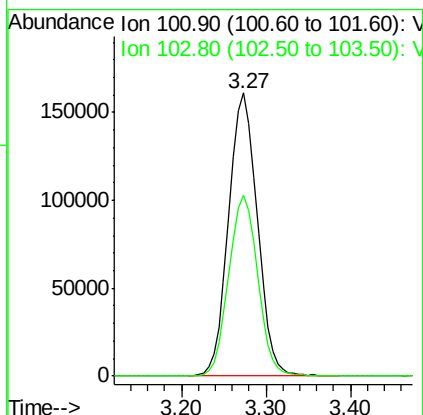
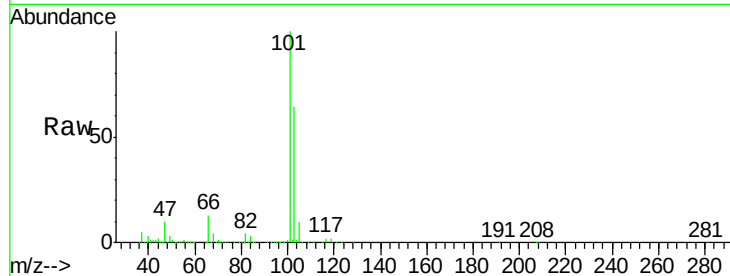
Trichlorofluoromethane
Concen: 49.295 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
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VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.1	76.7

Manual Integrations
APPROVED

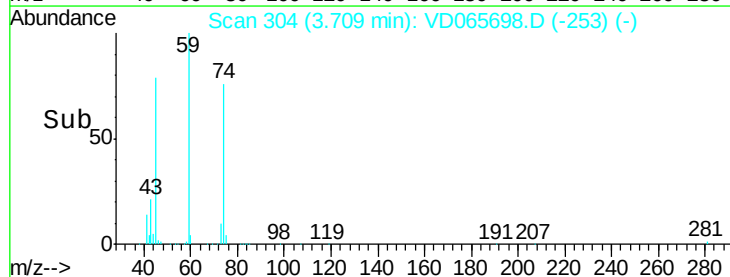
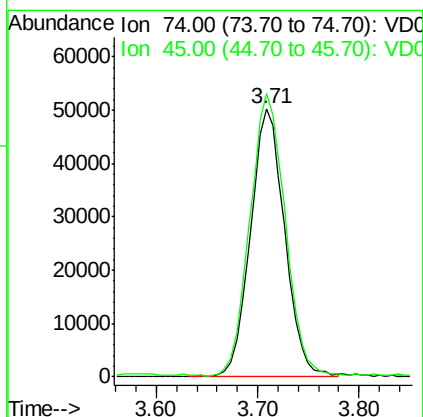
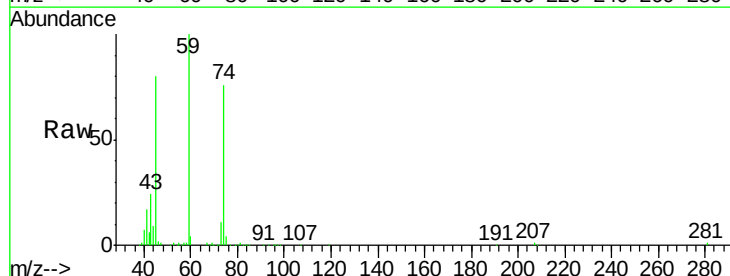
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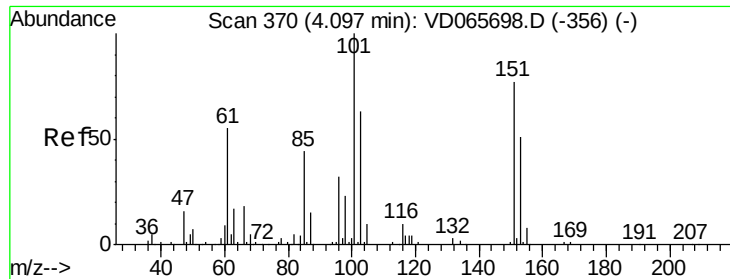


#8

Diethyl Ether
Concen: 68.727 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.0	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.658 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065698.D

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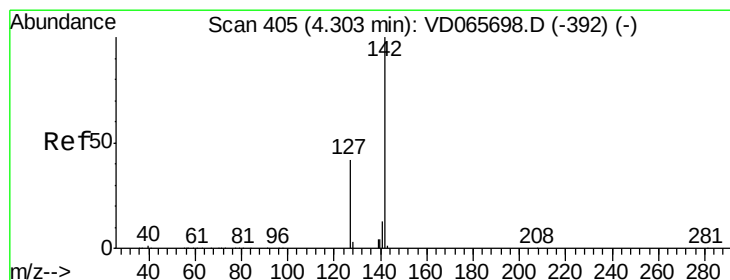
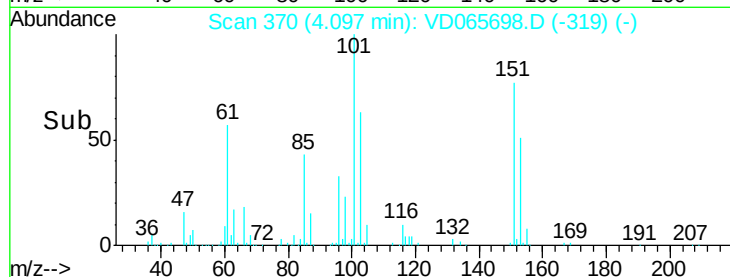
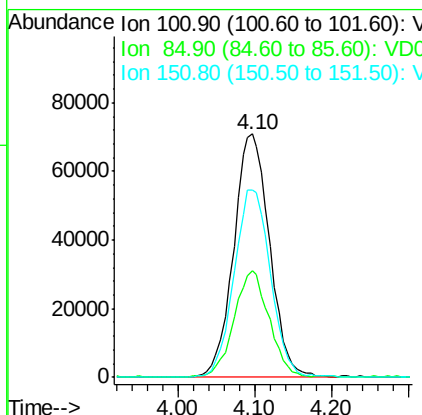
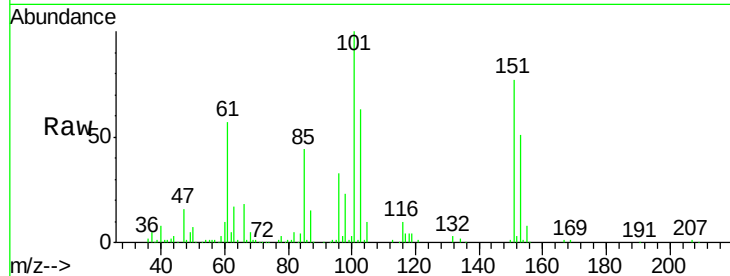
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	231165
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.4	51.6
151	78.7	63.0	94.4

Manual Integrations
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#10

Methyl Iodide

Concen: 50.589 ug/l

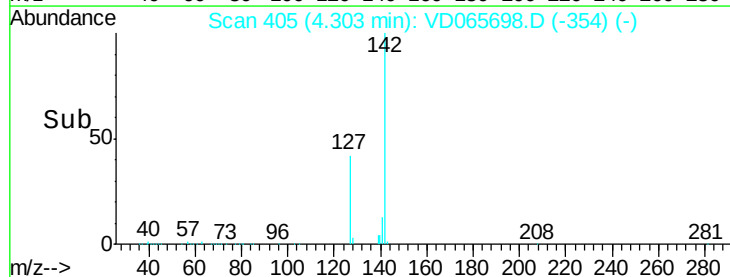
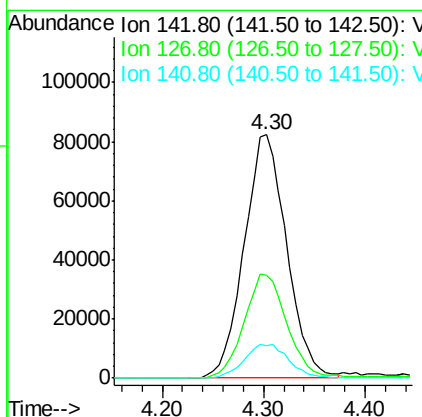
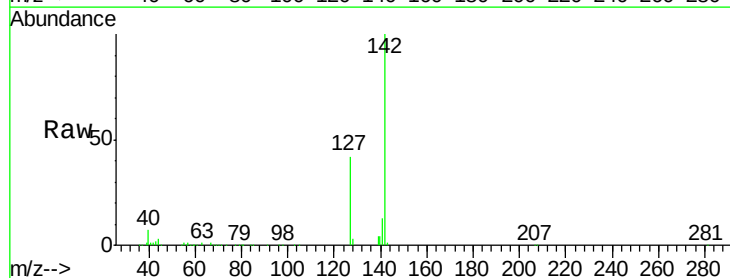
RT: 4.30 min Scan# 405

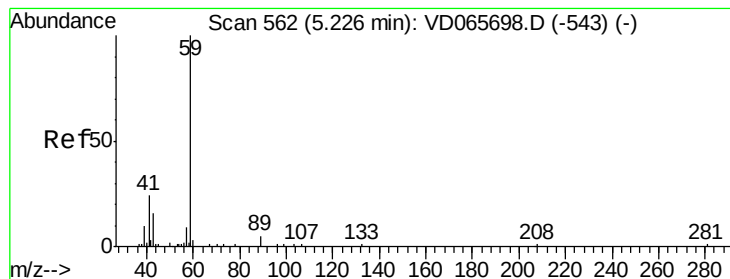
Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Tgt Ion:	142	Resp:	240552
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.5	51.7
141	14.5	11.6	17.4





#11

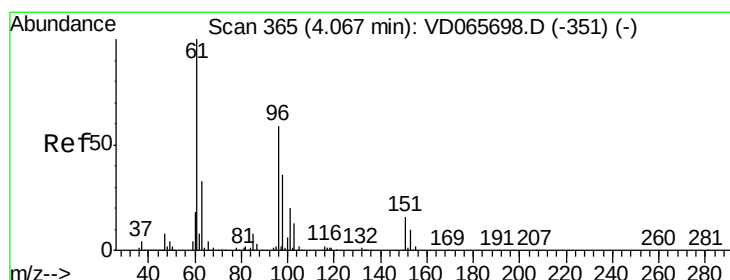
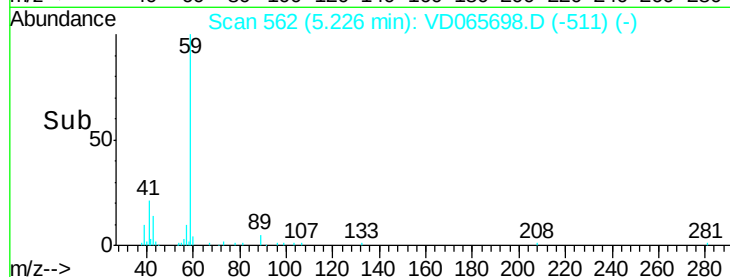
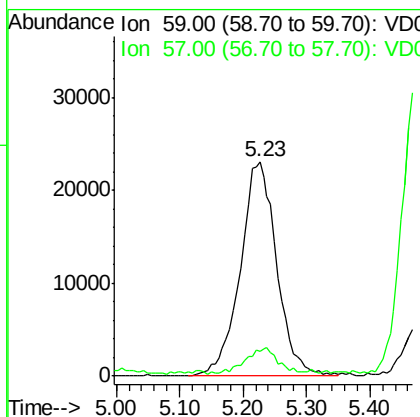
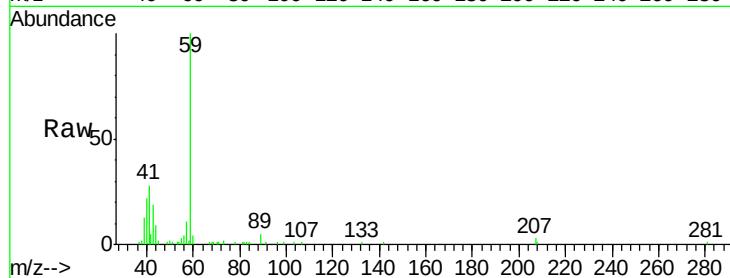
Tert butyl alcohol
Concen: 356.586 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	92276
Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.7	13.1

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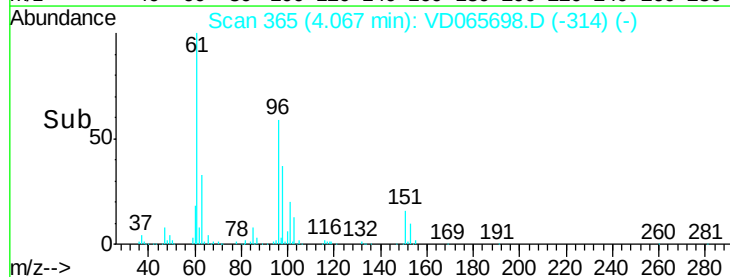
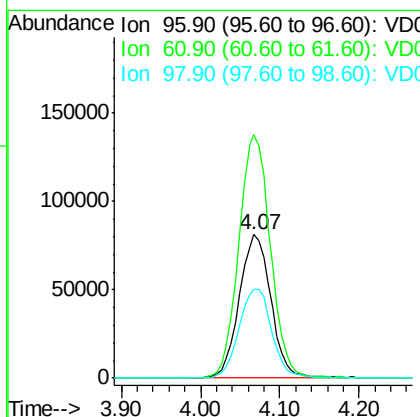
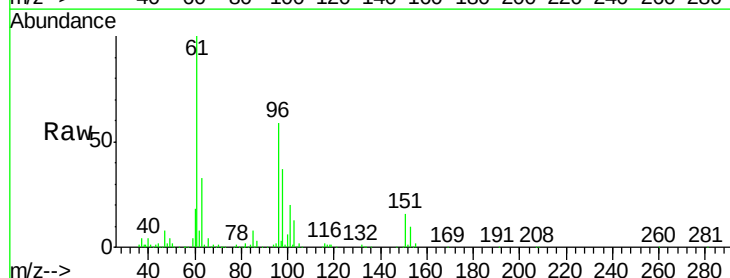
MMDadoda
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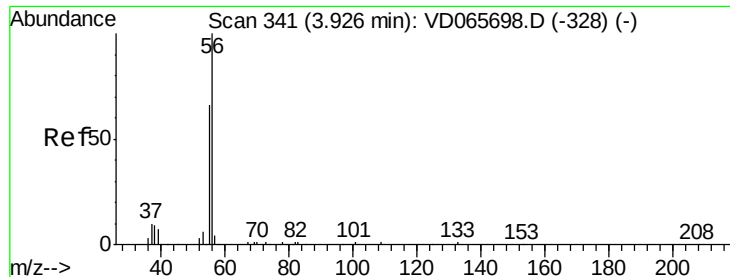


#12

1,1-Dichloroethene
Concen: 48.921 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion	96	Resp	225992
Ion	Ratio	Lower	Upper
96	100		
61	170.0	136.0	204.0
98	62.1	49.7	74.5





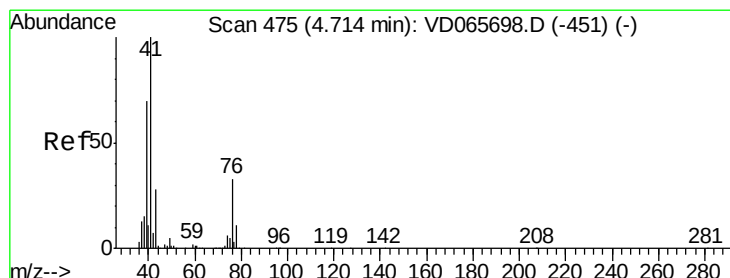
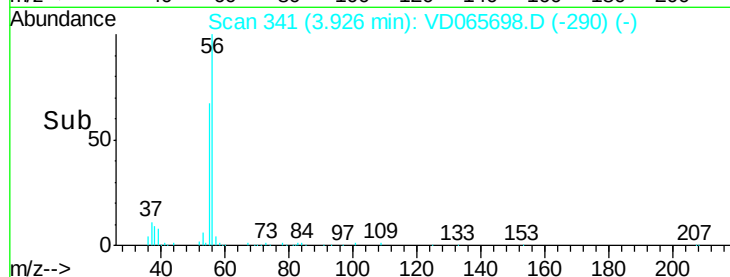
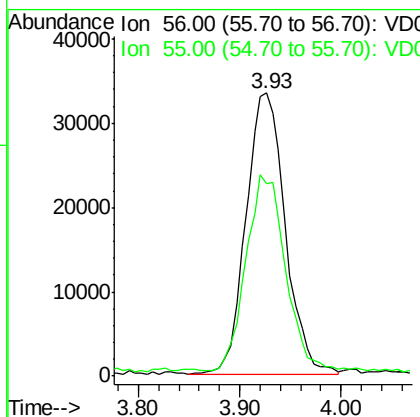
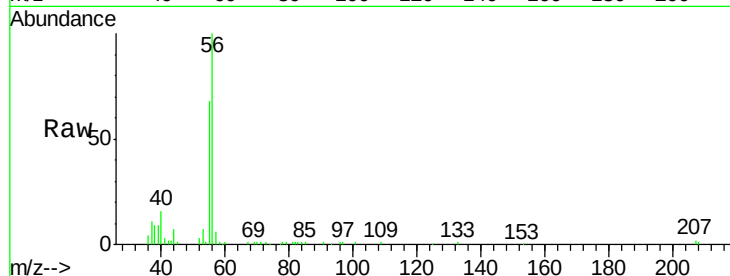
#13
Acrolein
Concen: 269.397 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	56	55	Ratio	Lower	Upper
89618	100	70.9		56.7	85.1

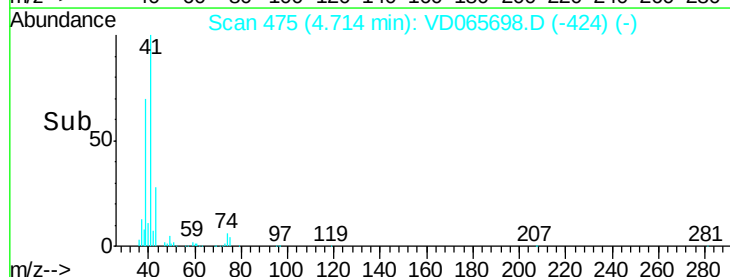
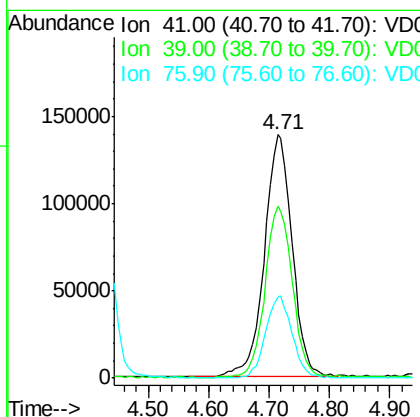
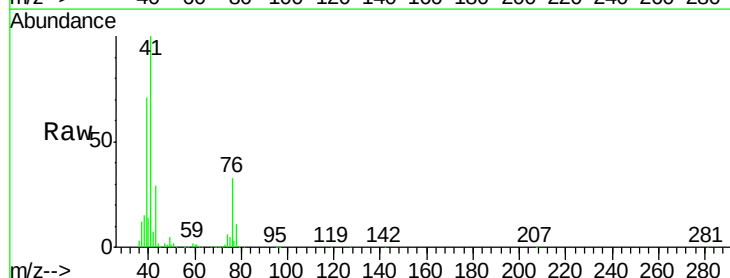
Manual Integrations
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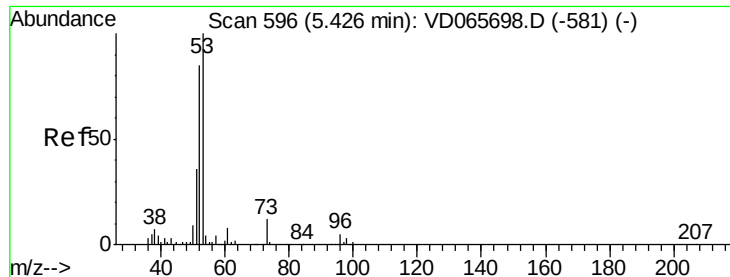
MMDadoda
5/7/2020 10:35:59 AM



#14
Allyl chloride
Concen: 61.308 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion	41	39	76	Ratio	Lower	Upper
442910	100	69.4	31.9		55.6	83.4





#15

Acrylonitrile

Concen: 284.602 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

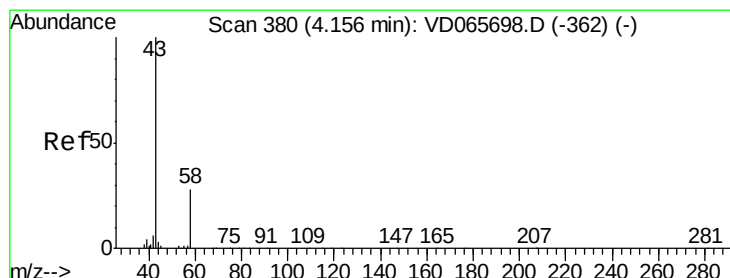
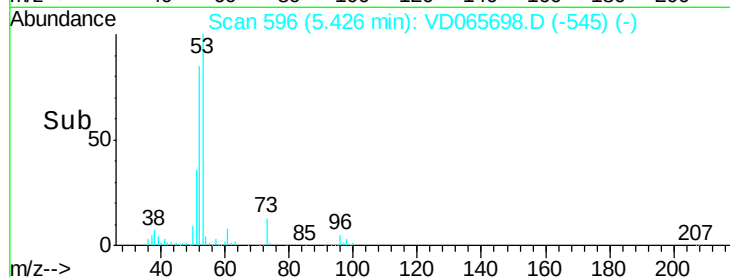
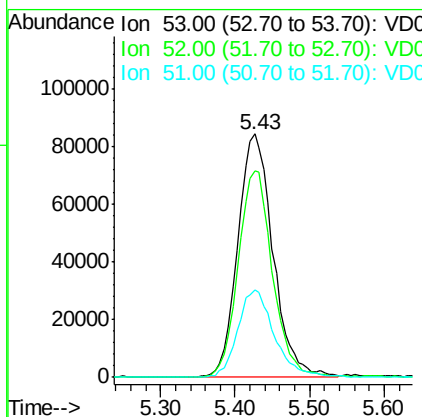
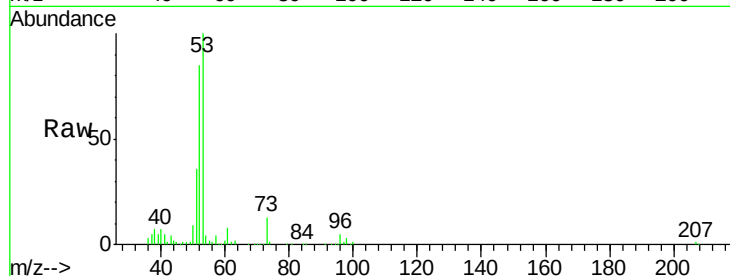
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	276679
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	37.4	29.9	44.9

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#16

Acetone

Concen: 312.844 ug/l

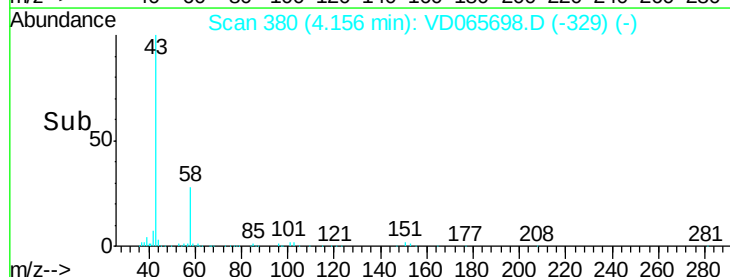
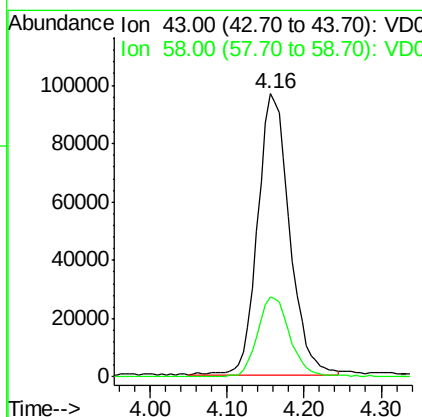
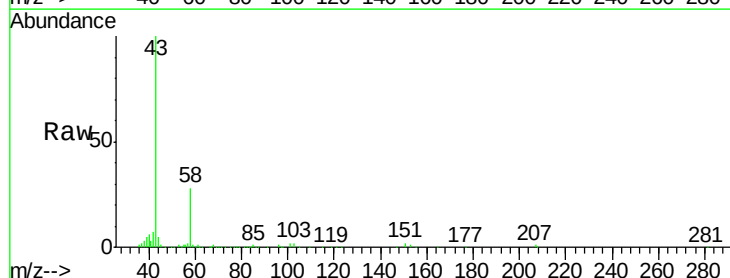
RT: 4.16 min Scan# 380

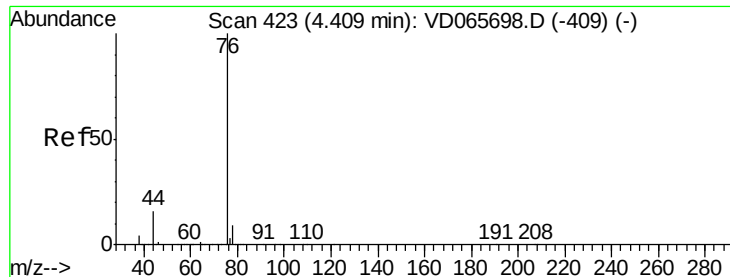
Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Tgt Ion:	43	Resp:	278620
Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.5	33.7





#17

Carbon Disulfide

Concen: 48.802 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 747559

Ion Ratio Lower Upper

76 100

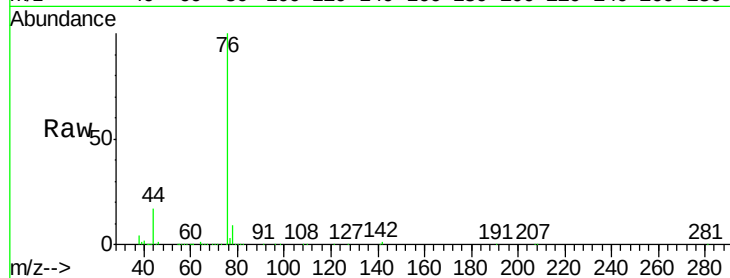
78 8.5 6.8 10.2

Manual Integrations

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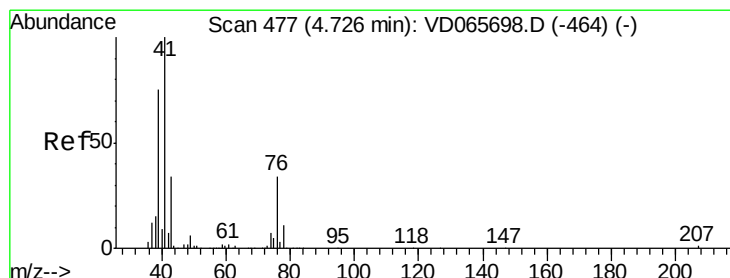
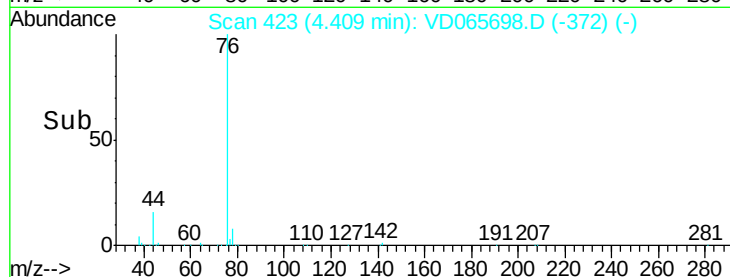
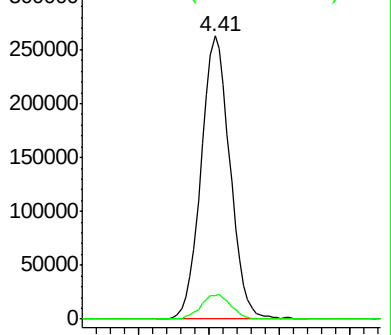
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 51.317 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065698.D

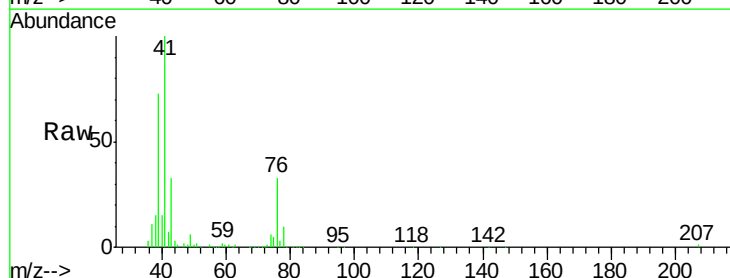
Acq: 06 May 2020 15:38

Tgt Ion: 43 Resp: 126528

Ion Ratio Lower Upper

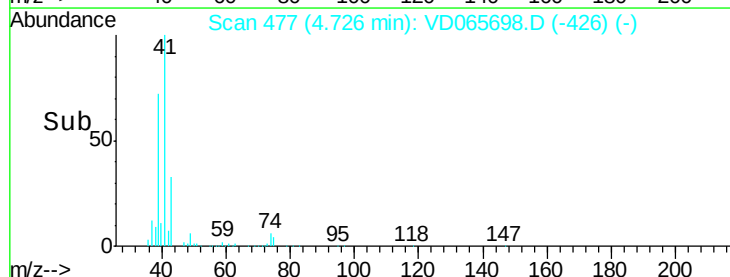
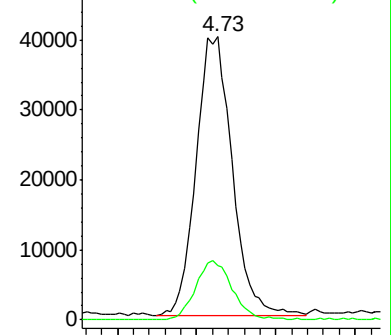
43 100

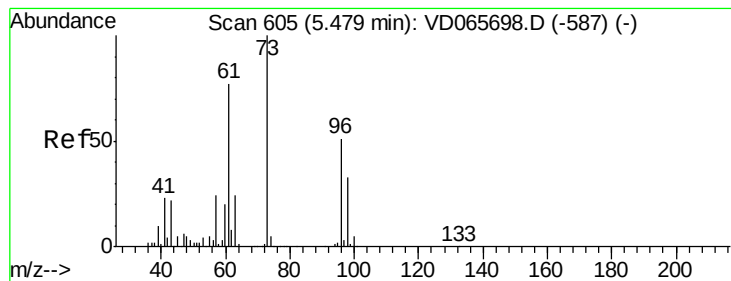
74 21.4 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

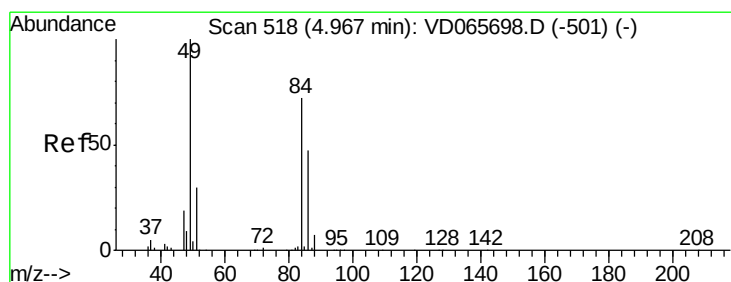
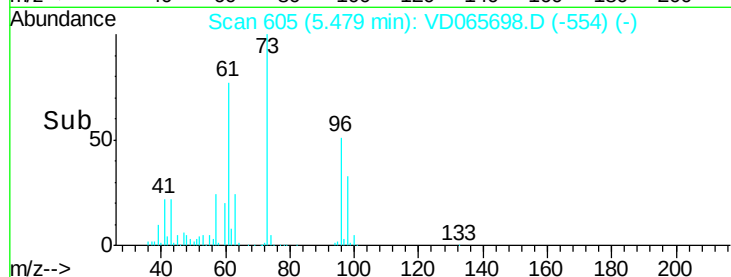
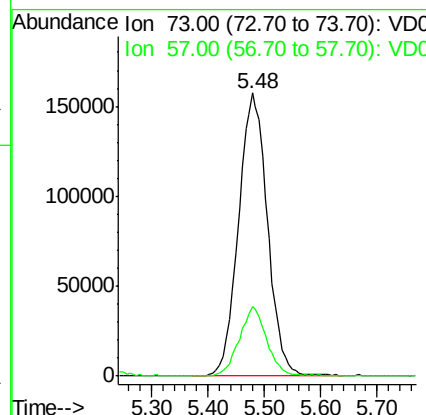
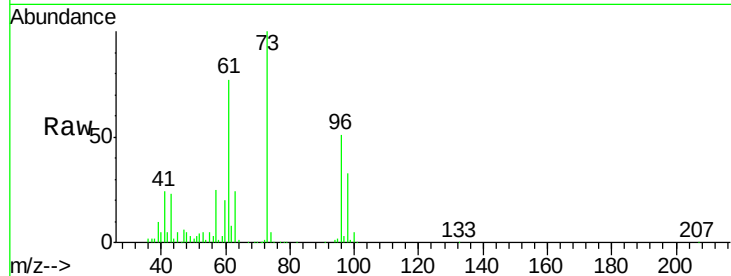
Methyl tert-butyl Ether
 Concen: 60.547 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.4	29.0

Manual Integrations
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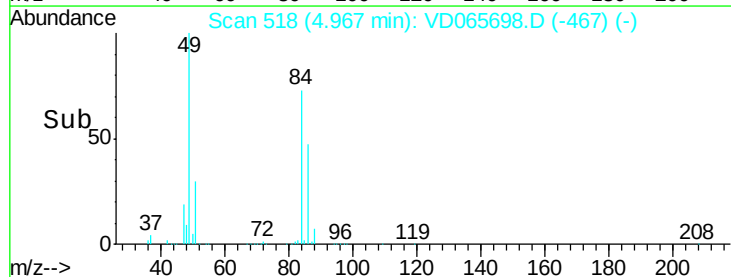
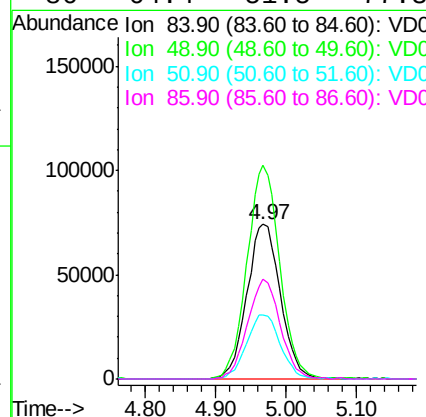
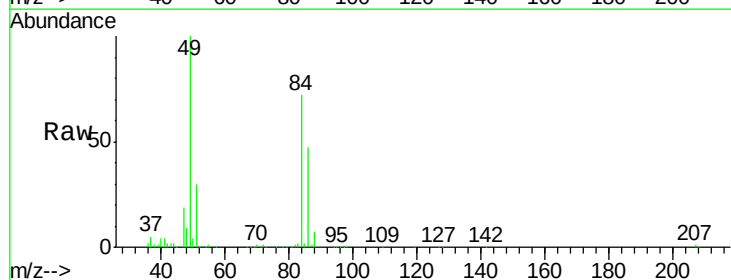
MMDadoda
 5/7/2020 10:35:59 AM

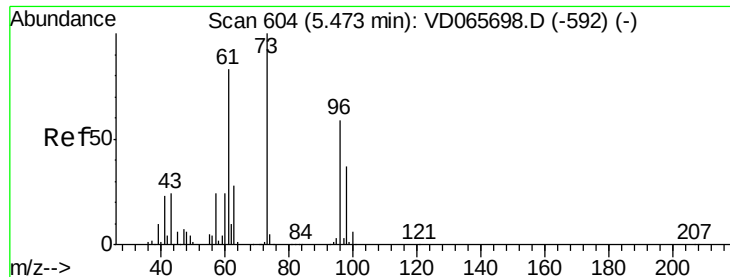


#20

Methylene Chloride
 Concen: 45.270 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.0	110.4	165.6
51	41.8	33.4	50.2
86	64.4	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 48.730 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

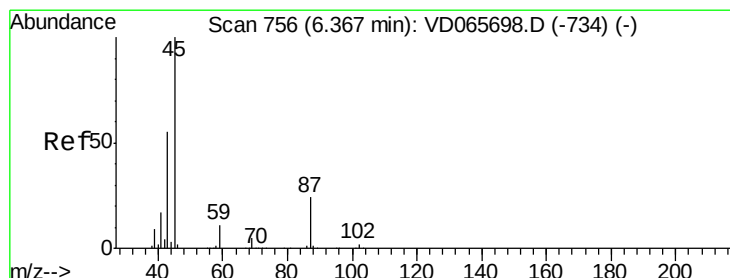
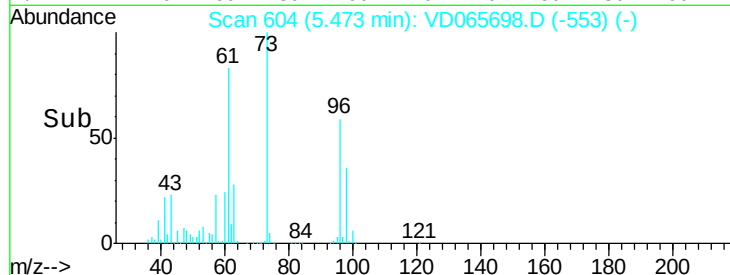
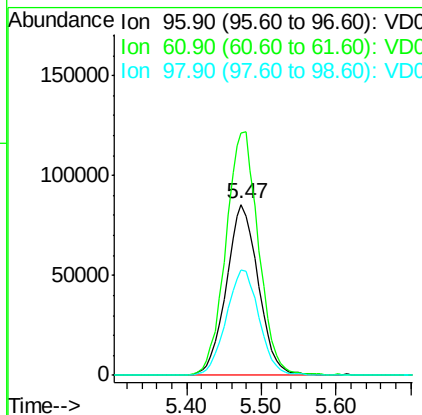
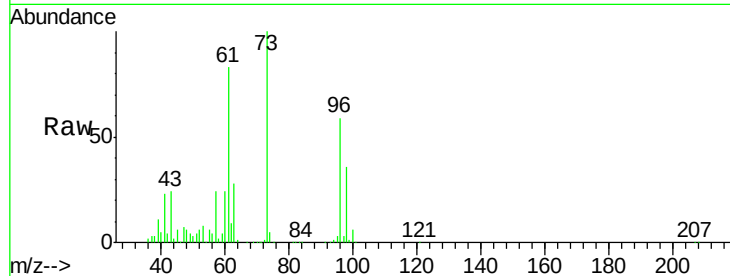
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	252535
Ion	Ratio	Lower	Upper
96	100		
61	141.2	113.0	169.4
98	61.9	49.5	74.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 61.641 ug/l

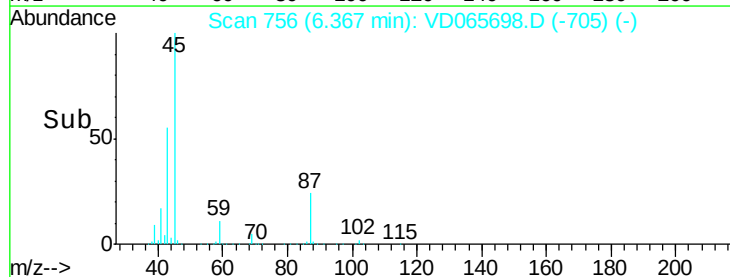
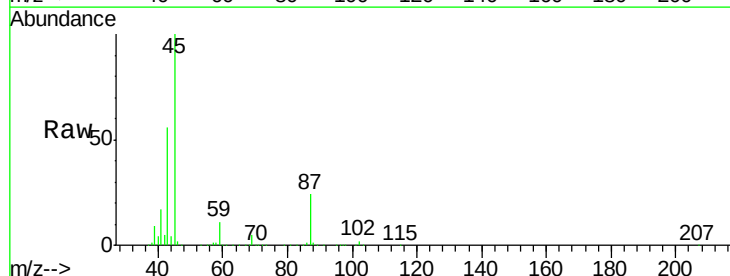
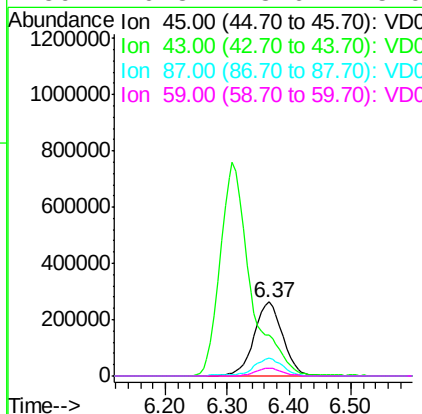
RT: 6.37 min Scan# 756

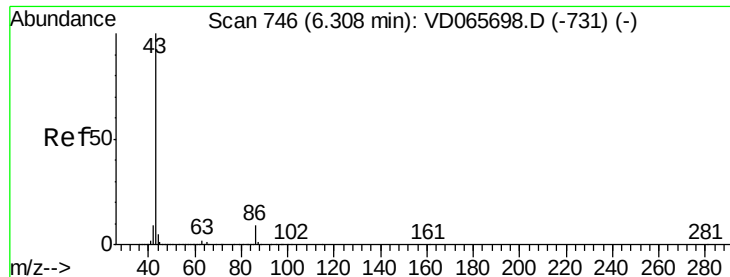
Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Tgt Ion:	45	Resp:	847179
Ion	Ratio	Lower	Upper
45	100		
43	55.3	44.2	66.4
87	23.7	19.0	28.4
59	10.8	8.6	13.0





#23

Vinyl Acetate

Concen: 343.996 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2584423

Ion Ratio Lower Upper

43 100

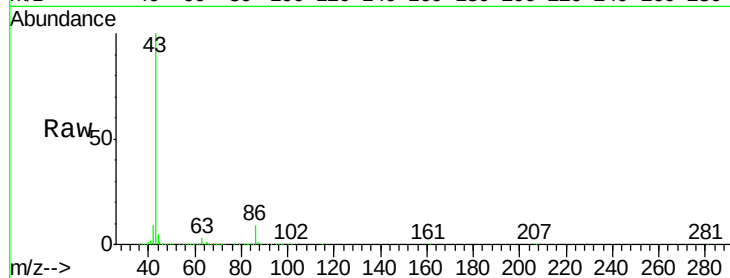
86 9.2 7.4 11.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

800000

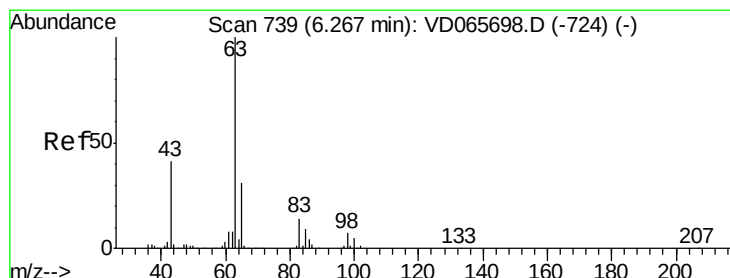
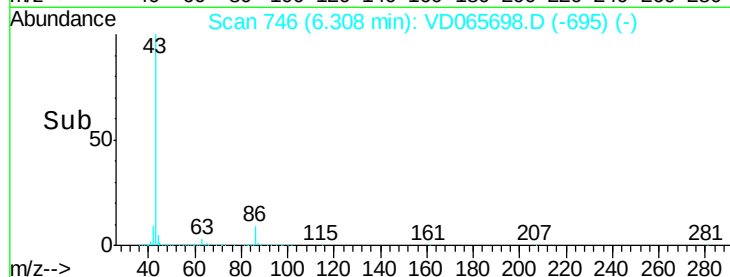
600000

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 51.350 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

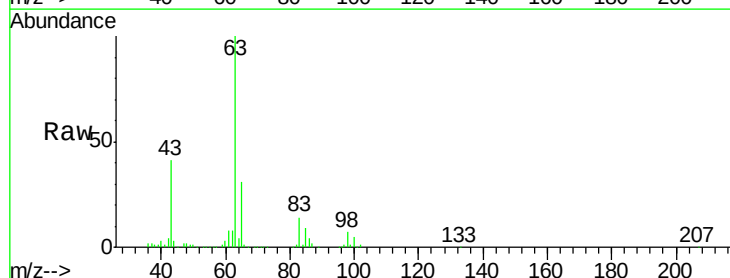
Tgt Ion: 63 Resp: 454629

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.6 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

200000

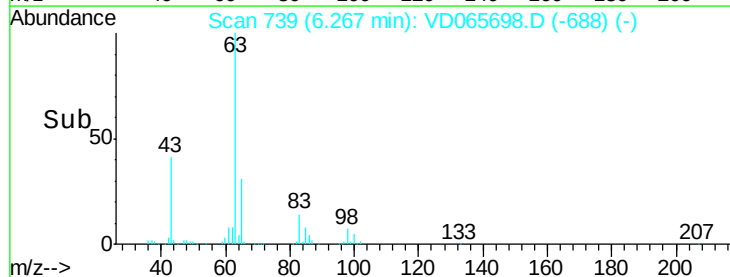
150000

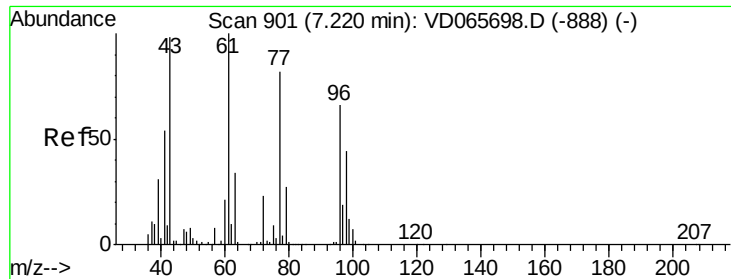
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 320.697 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 389719

Ion Ratio Lower Upper

43 100

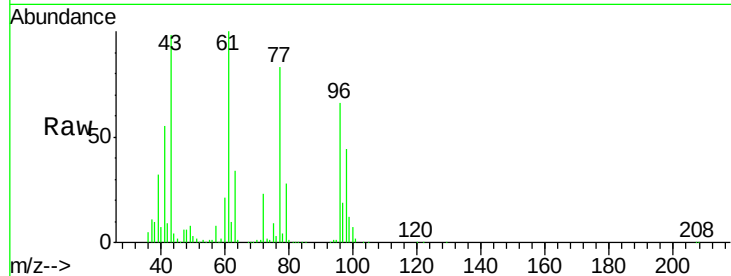
72 24.0 19.2 28.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

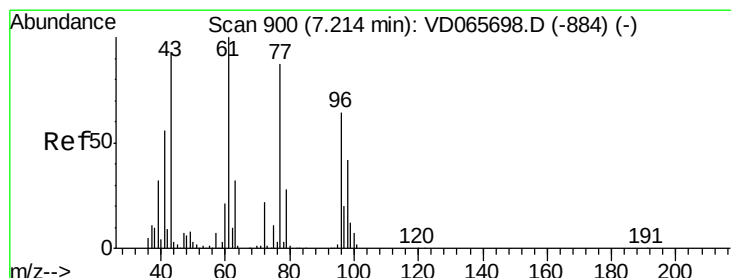
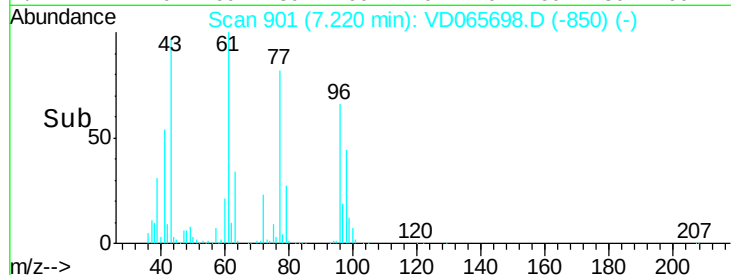
100000

50000

0

7.10 7.15 7.20 7.25 7.30

Time-->



#26

2,2-Dichloropropane

Concen: 50.884 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065698.D

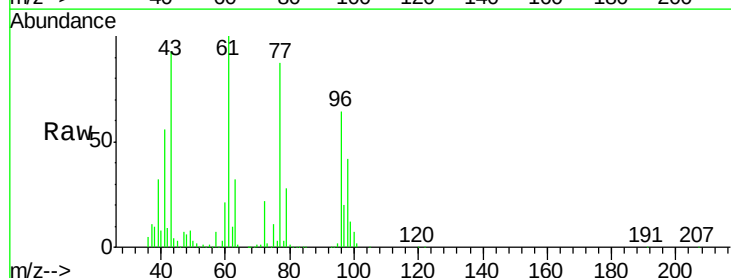
Acq: 06 May 2020 15:38

Tgt Ion: 77 Resp: 403833

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

150000

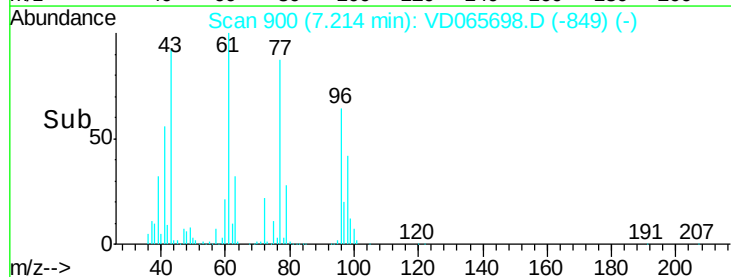
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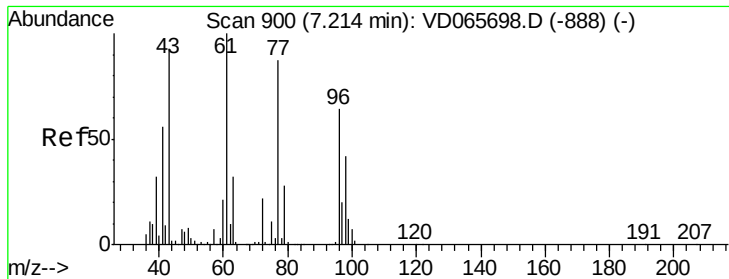
50000

0

7.10 7.20 7.30

Time-->





#27

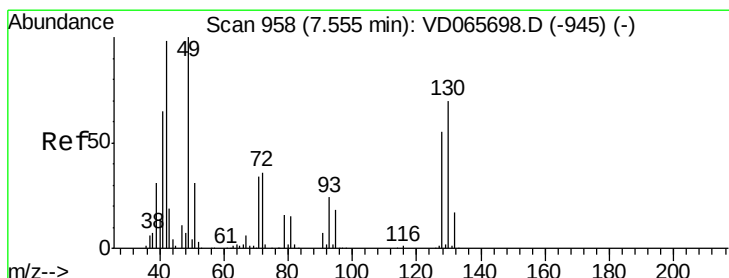
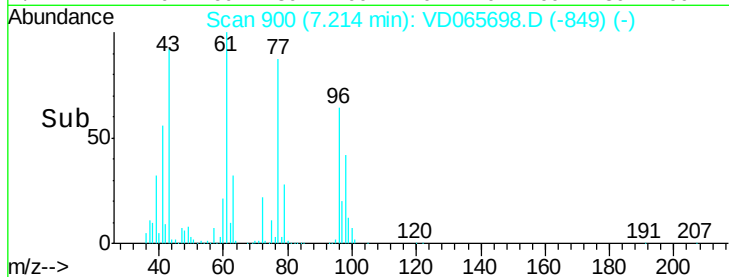
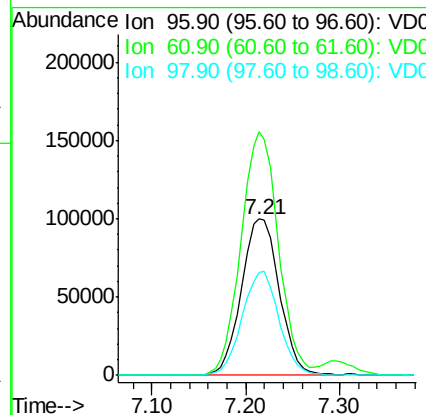
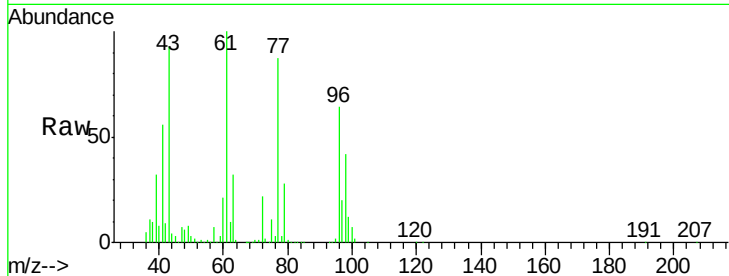
cis-1,2-Dichloroethene
Concen: 51.961 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	279819		
61	153.3		0.0	306.6
98	64.7		0.0	129.4

Manual Integrations
APPROVED

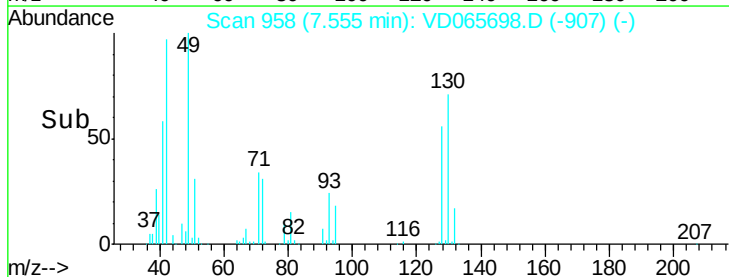
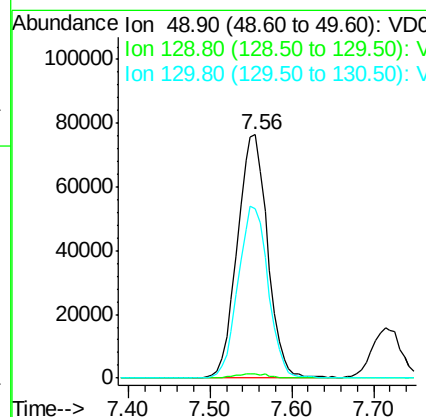
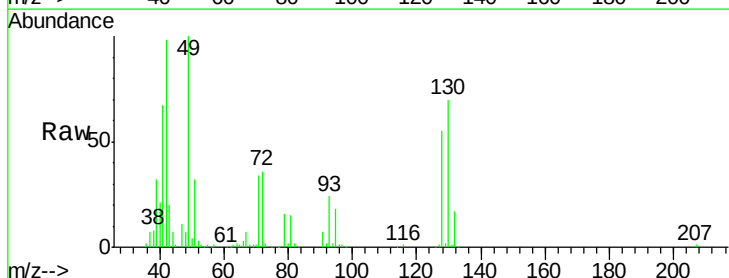
MMDadoda
5/7/2020 10:35:59 AM

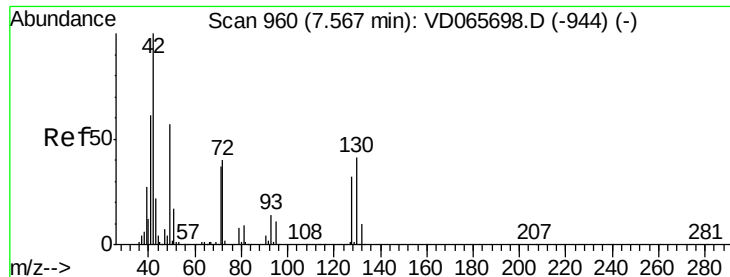


#28

Bromochloromethane
Concen: 54.296 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	197113		
129	1.9		0.0	3.8
130	70.5		56.4	84.6





#29

Tetrahydrofuran

Concen: 324.088 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

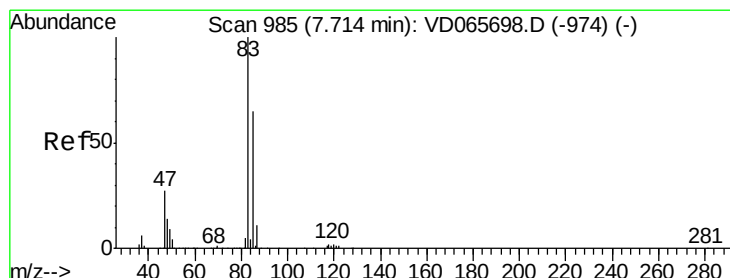
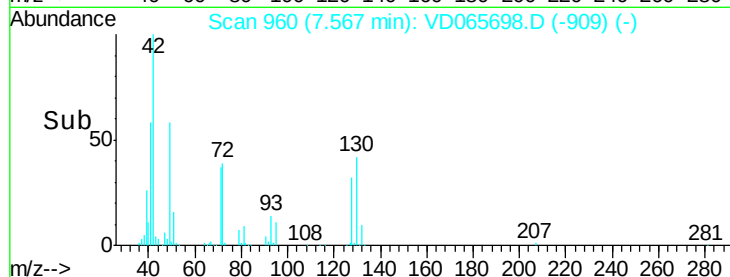
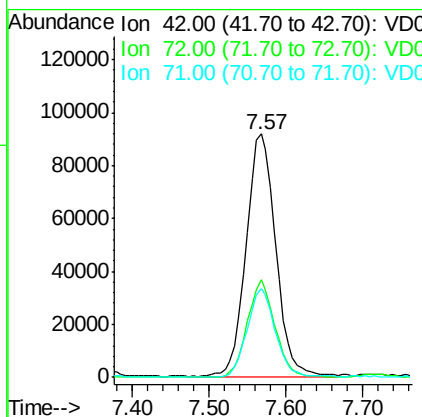
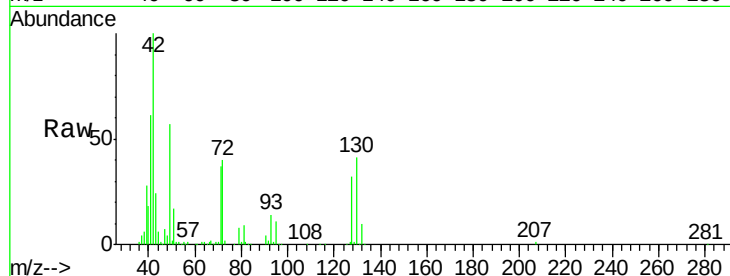
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	246804
Ion	Ratio	Lower	Upper
42	100		
72	38.0	30.4	45.6
71	35.0	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:59 AM



#30

Chloroform

Concen: 47.748 ug/l

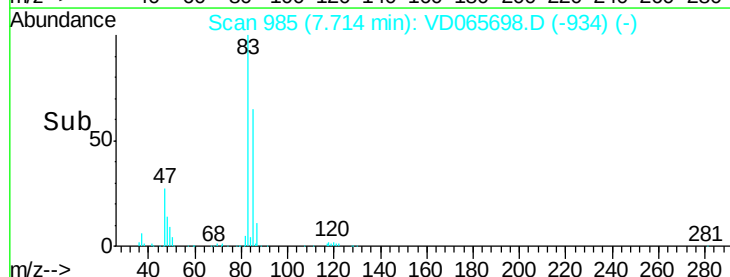
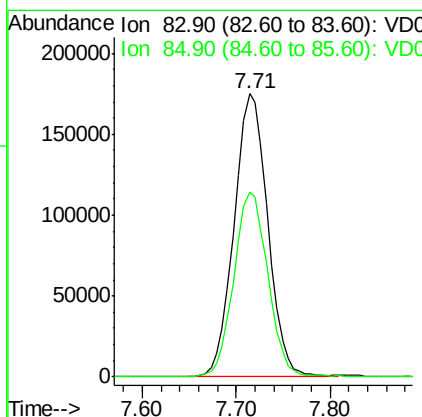
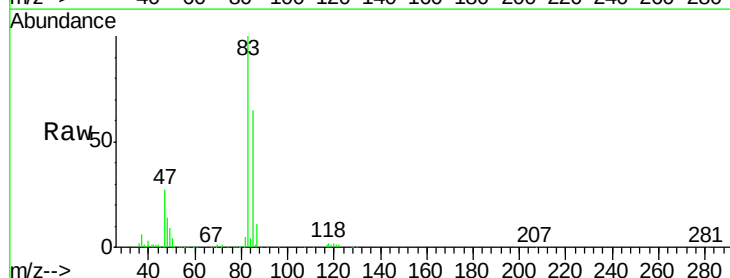
RT: 7.71 min Scan# 985

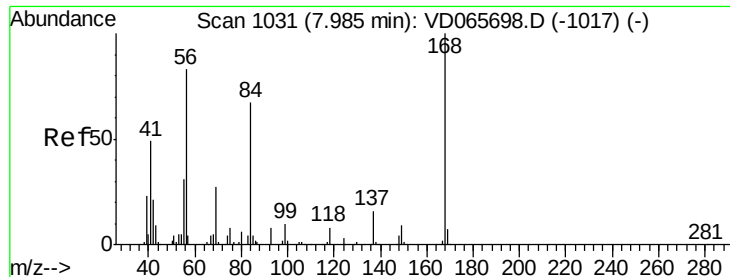
Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Tgt Ion:	83	Resp:	435905
Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1





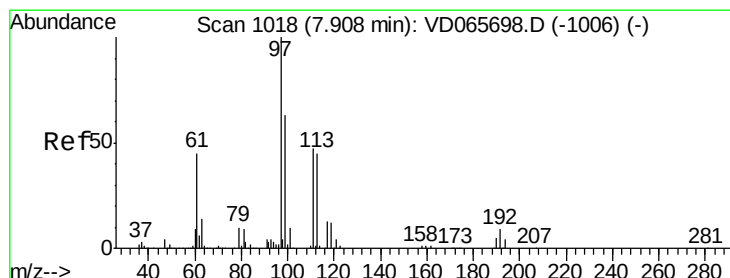
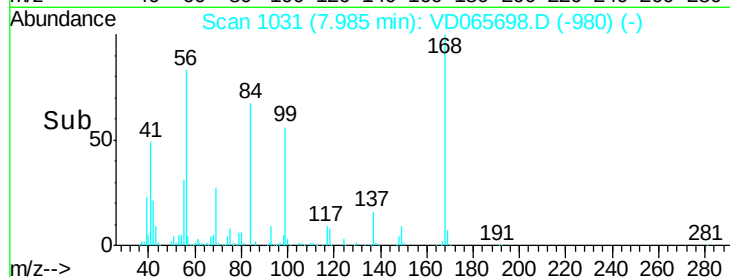
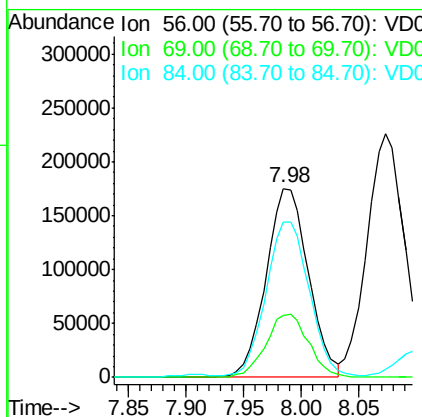
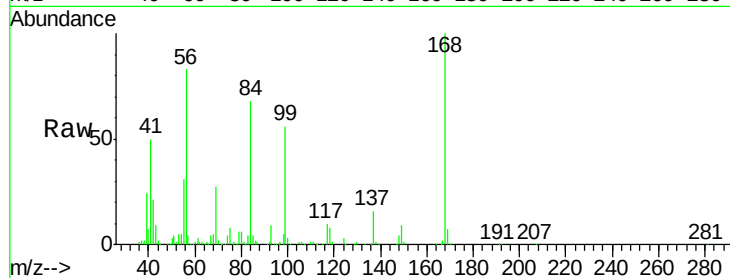
#31
Cyclohexane
Concen: 53.548 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.3	39.5
84	80.6	64.5	96.7

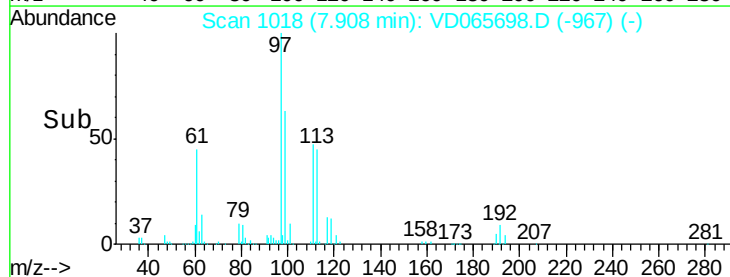
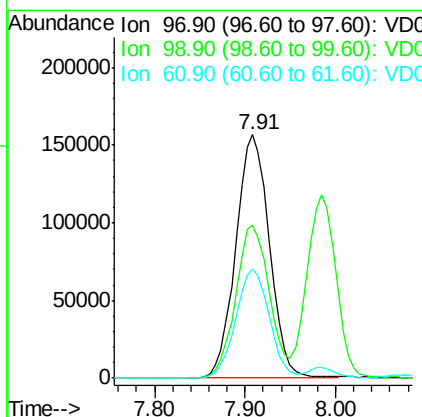
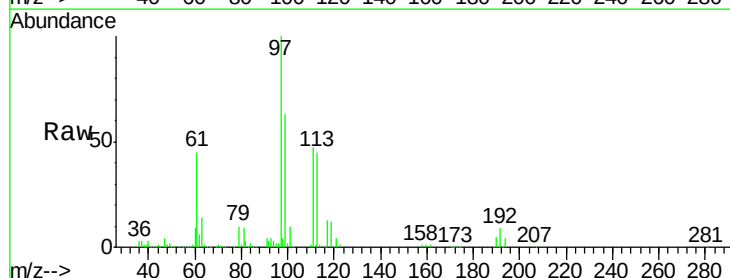
Manual Integrations
APPROVED

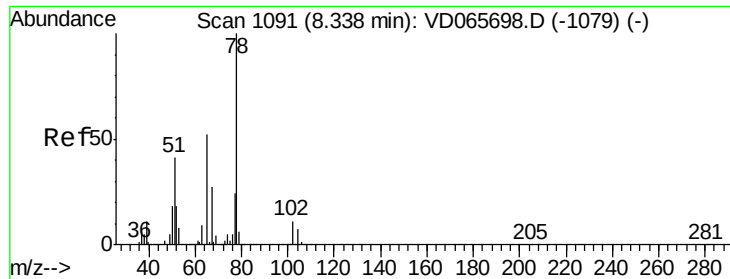
MMDadoda
5/7/2020 10:35:59 AM



#32
1,1,1-Trichloroethane
Concen: 48.771 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.8	76.2
61	45.0	36.0	54.0





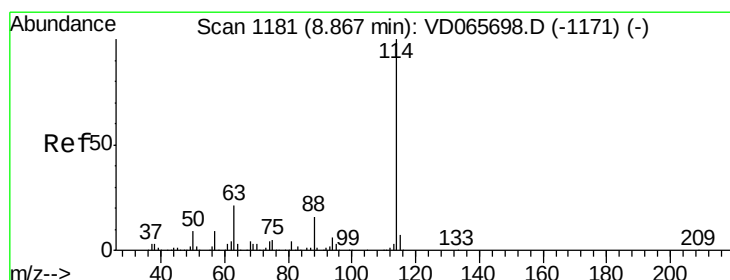
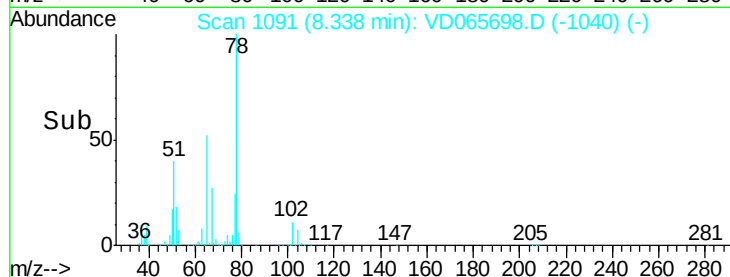
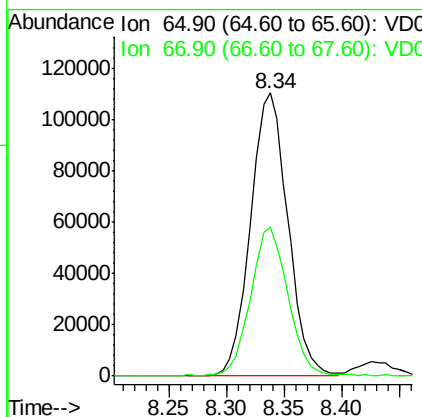
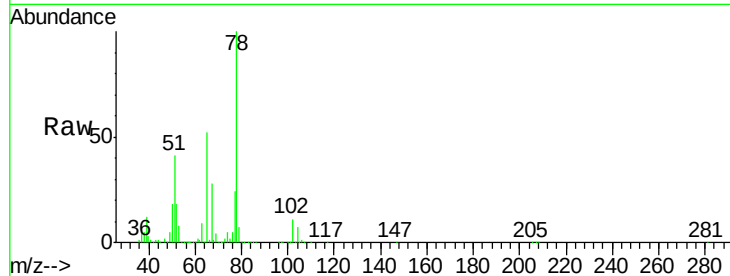
#33
 1,2-Dichloroethane-d4
 Concen: 53.125 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	249339		
67	51.9	0.0	103.8	

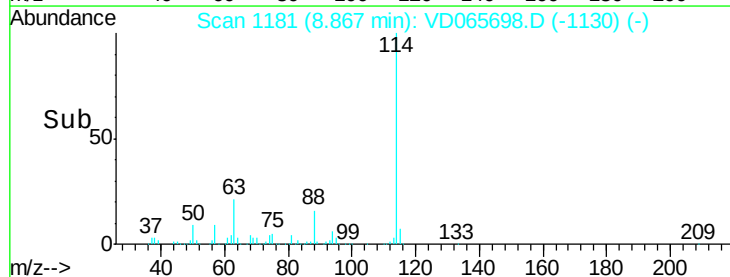
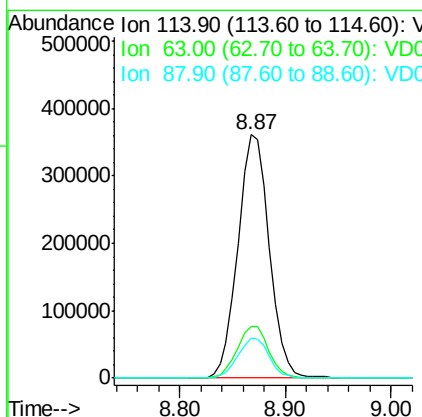
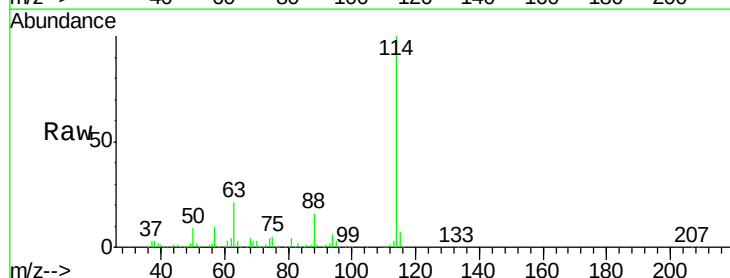
Manual Integrations
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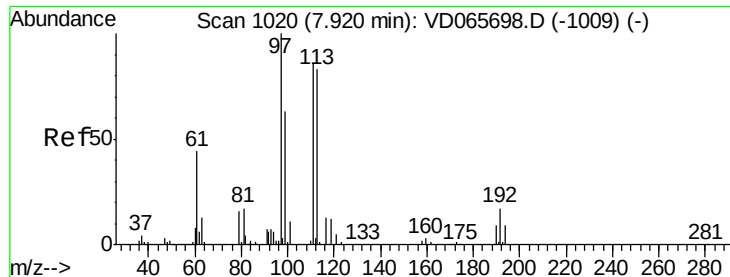
MMDadoda
 5/7/2020 10:35:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	744377		
63	21.2	0.0	42.4	
88	16.3	0.0	32.6	





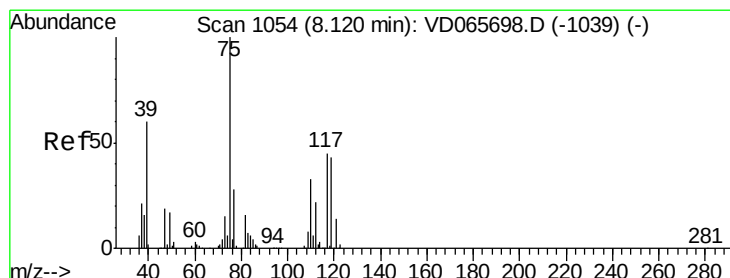
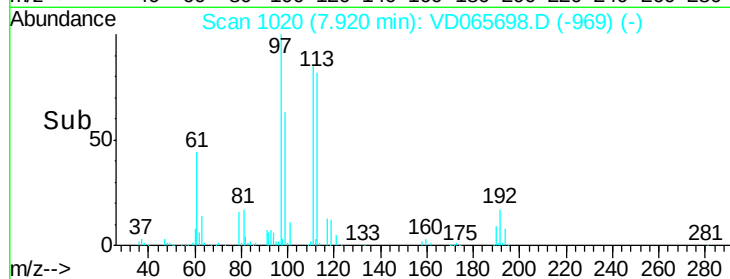
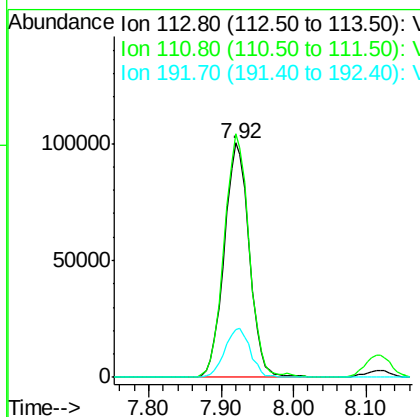
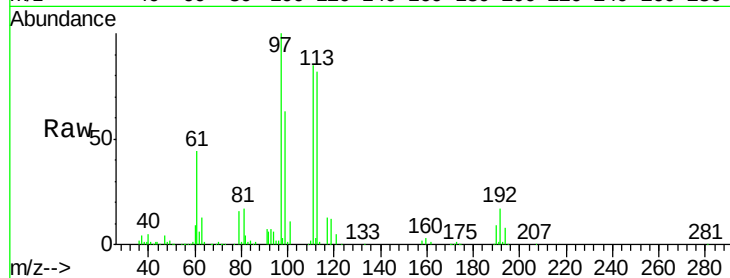
#35
 Dibromofluoromethane
 Concen: 47.117 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.7	124.1
192	21.2	17.0	25.4

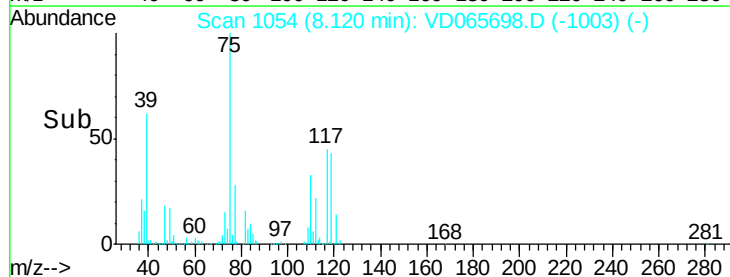
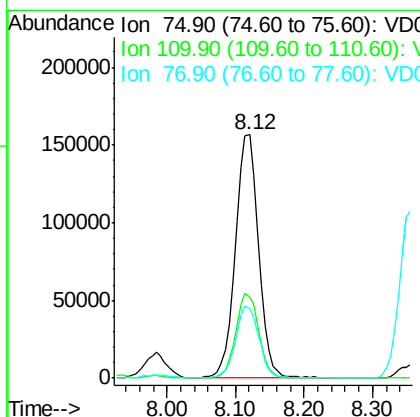
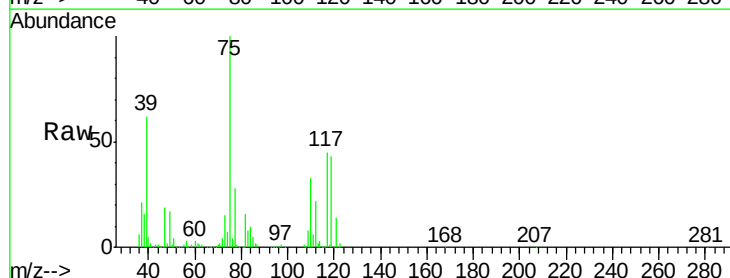
Manual Integrations
 APPROVED

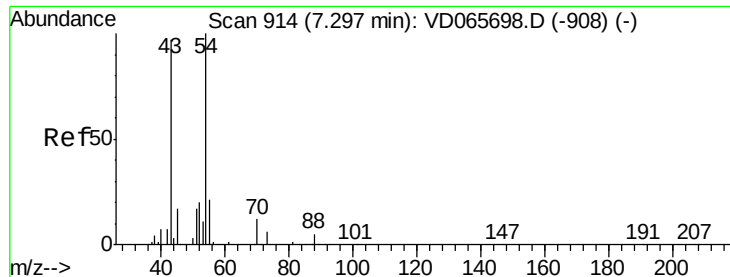
MMDadoda
 5/7/2020 10:35:59 AM



#36
 1,1-Dichloropropene
 Concen: 48.852 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.2	51.6
77	29.6	23.7	35.5





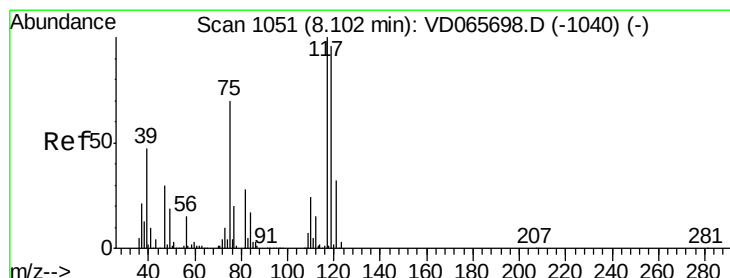
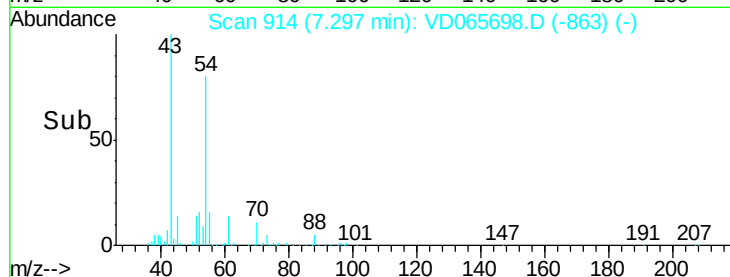
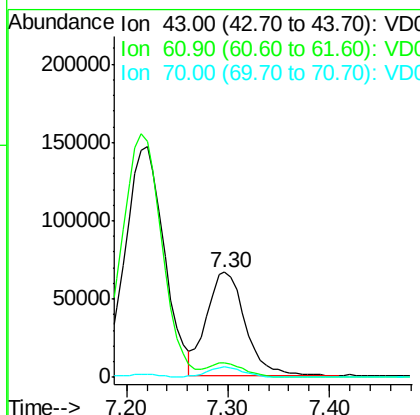
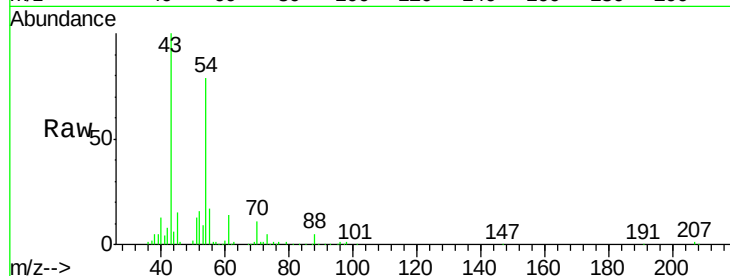
#37
Ethyl Acetate
Concen: 59.428 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	175936		
61	12.4		9.9	14.9
70	9.1		7.3	10.9

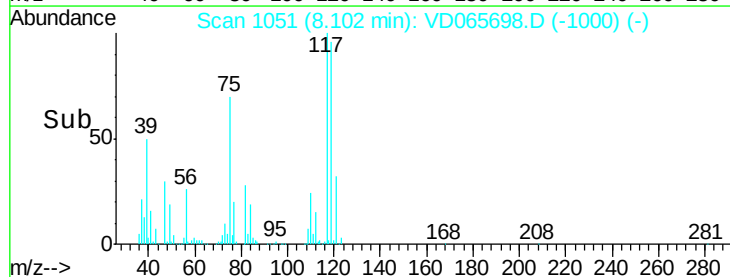
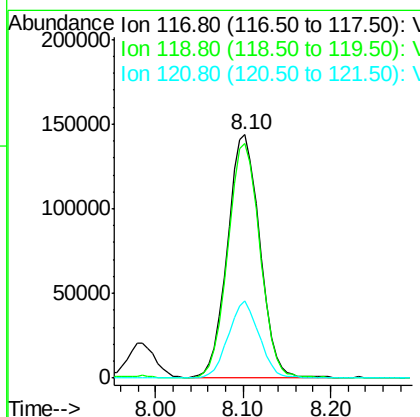
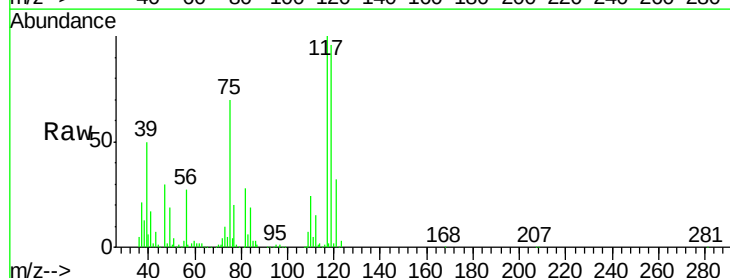
Manual Integrations
APPROVED

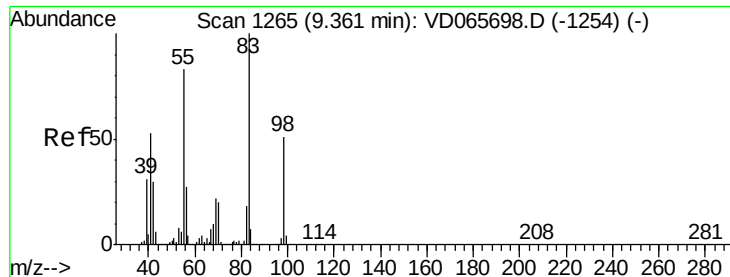
MMDadoda
5/7/2020 10:35:59 AM



#38
Carbon Tetrachloride
Concen: 44.685 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	359589		
119	96.4		77.1	115.7
121	31.9		25.5	38.3





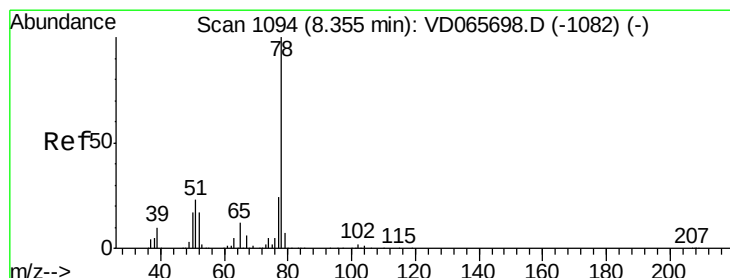
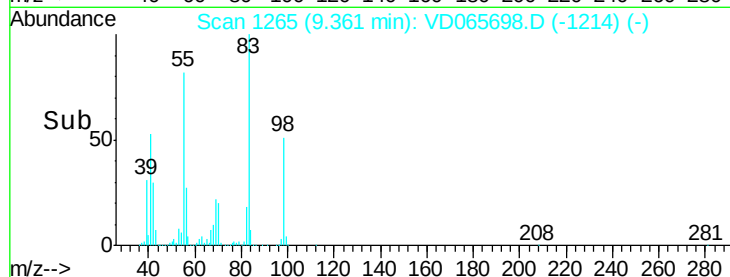
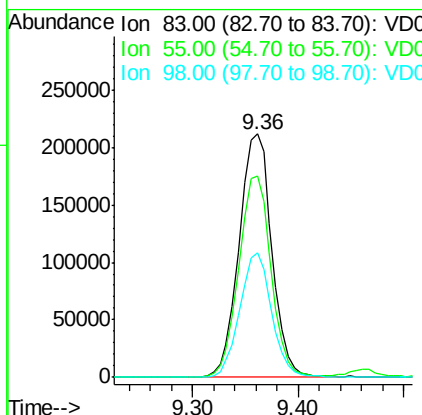
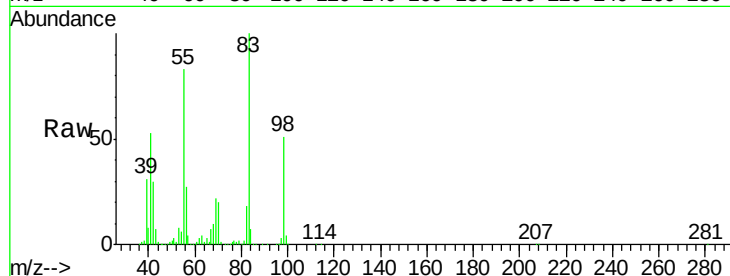
#39
Methylvlcyclohexane
Concen: 53.247 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.5	66.0	99.0
98	51.2	41.0	61.4

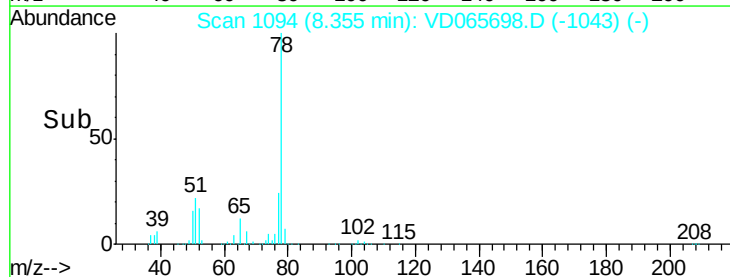
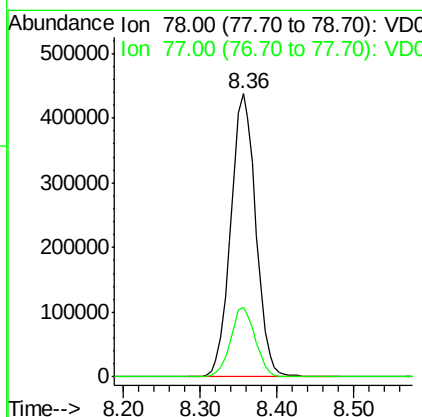
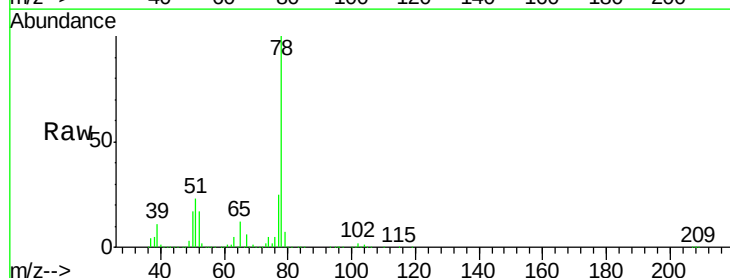
Manual Integrations
APPROVED

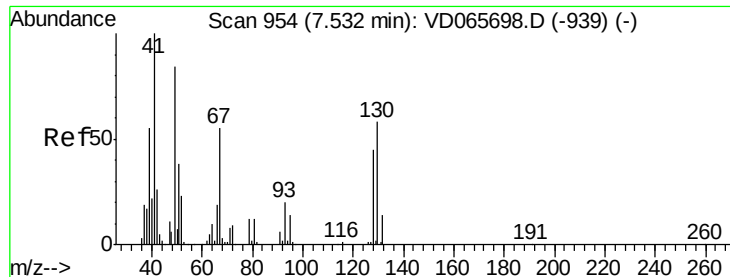
MMDadoda
5/7/2020 10:35:59 AM



#40
Benzene
Concen: 46.884 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.6	29.4





#41

Methacrylonitrile

Concen: 55.909 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 91888

Ion Ratio Lower Upper

41 100

39 65.6 52.5 78.7

67 74.2 59.4 89.0

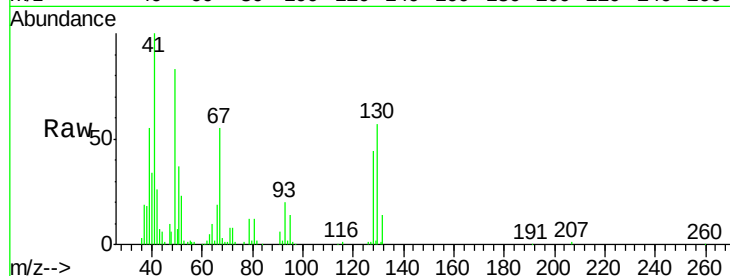
52 32.0 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:35:59 AM

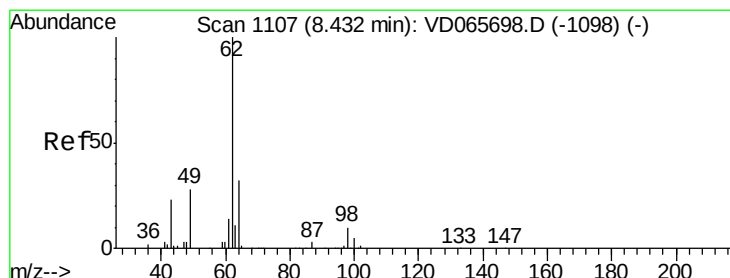
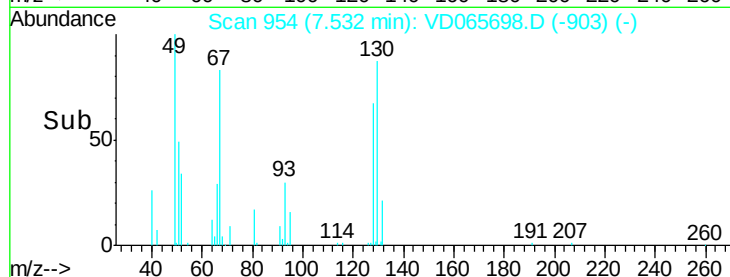
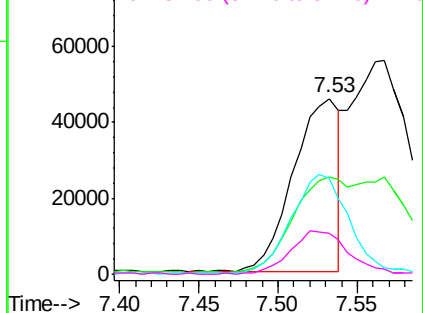


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 47.616 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD065698.D

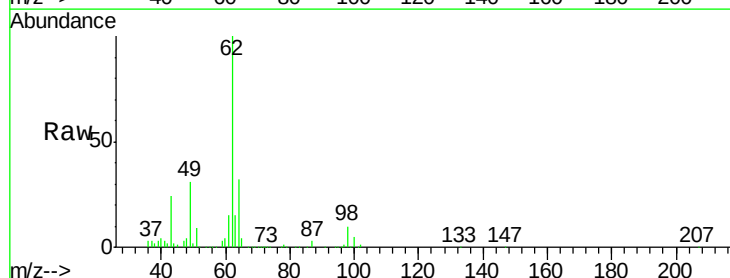
Acq: 06 May 2020 15:38

Tgt Ion: 62 Resp: 287128

Ion Ratio Lower Upper

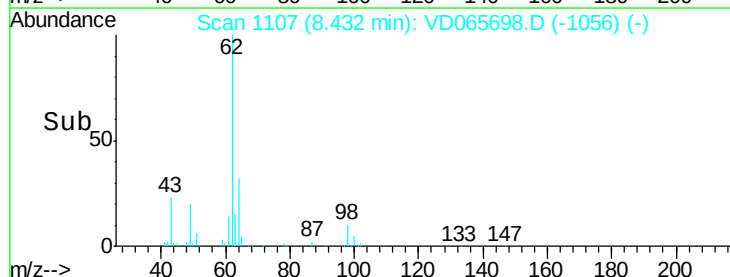
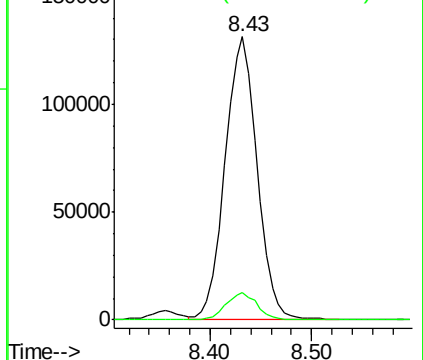
62 100

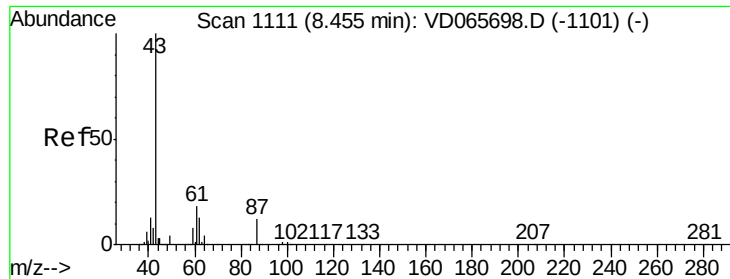
98 9.6 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 64.413 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

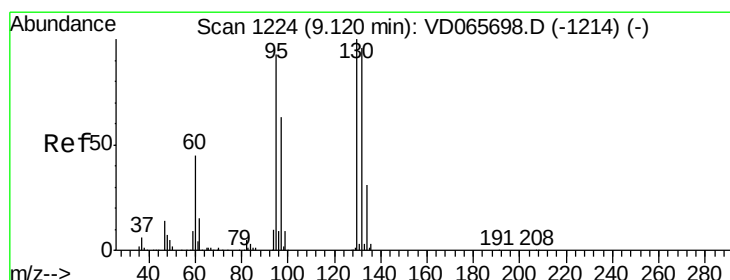
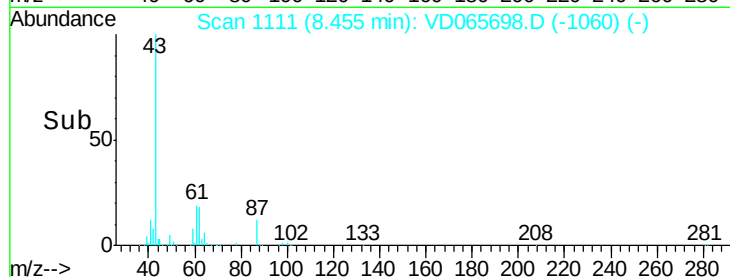
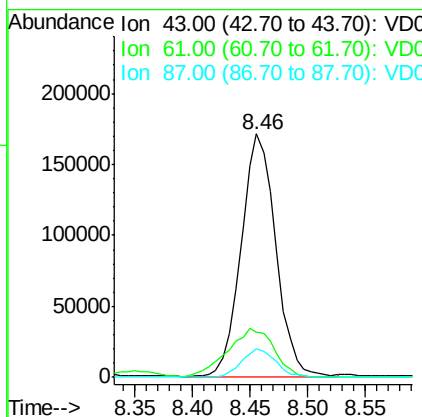
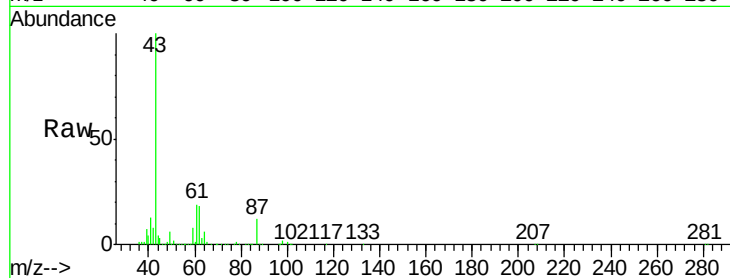
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	354818
Ion	Ratio	Lower	Upper
43	100		
61	27.4	21.9	32.9
87	11.8	9.4	14.2

Manual Integrations
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#44

Trichloroethene

Concen: 45.203 ug/l

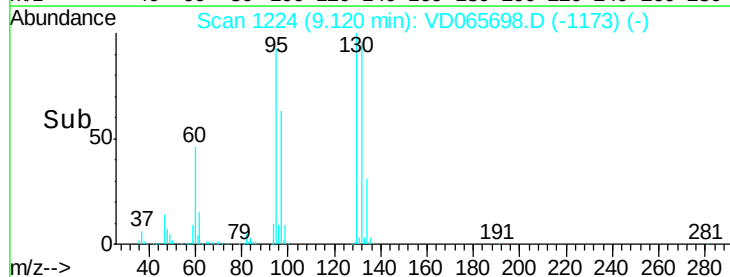
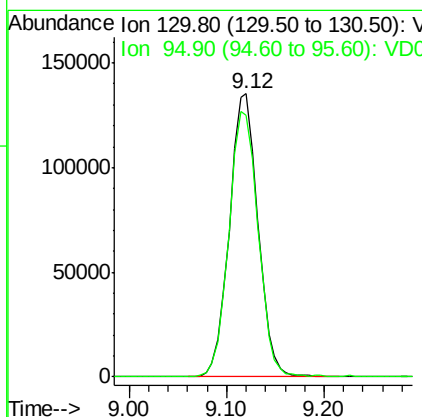
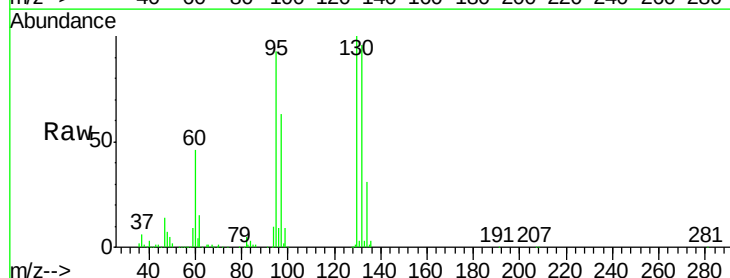
RT: 9.12 min Scan# 1224

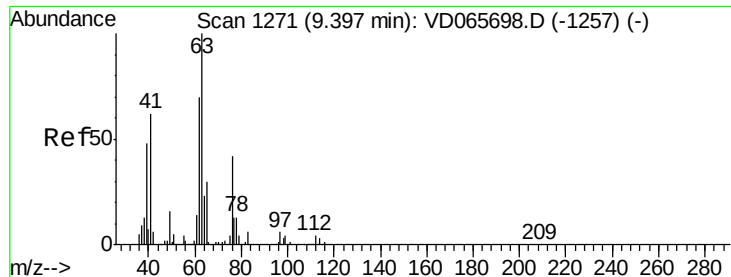
Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Tgt Ion:	130	Resp:	275429
Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	185.2





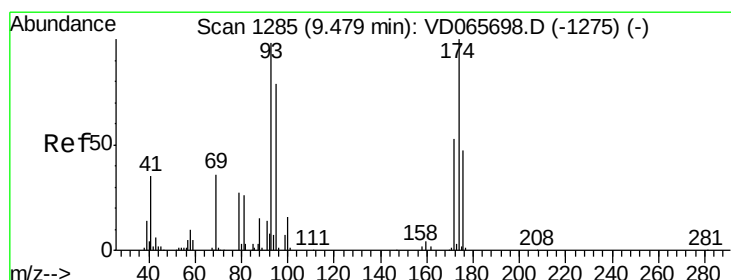
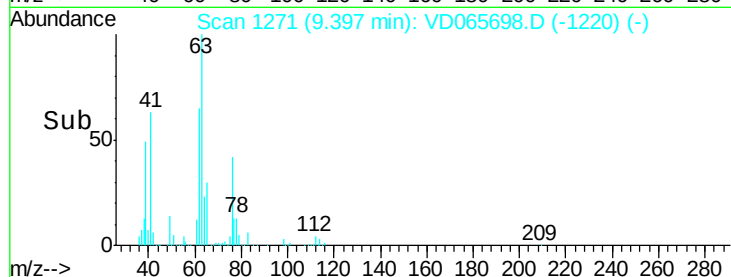
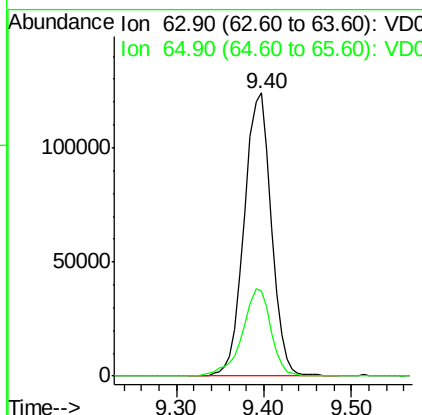
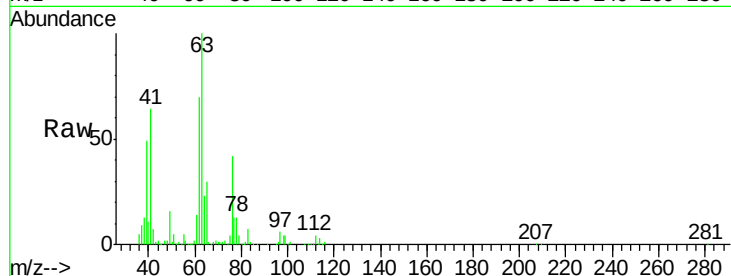
#45
 1,2-Dichloropropane
 Concen: 49.417 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.1	36.1

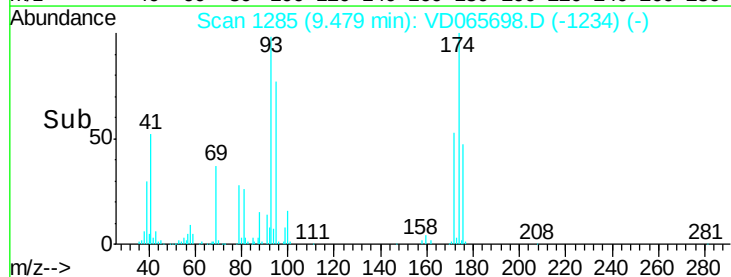
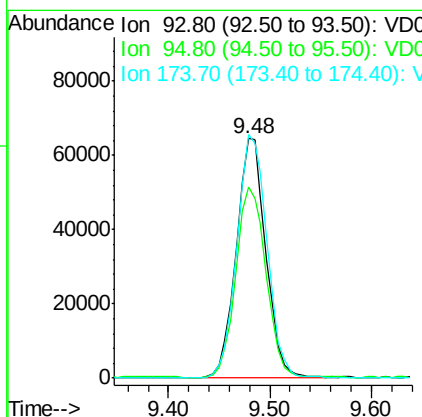
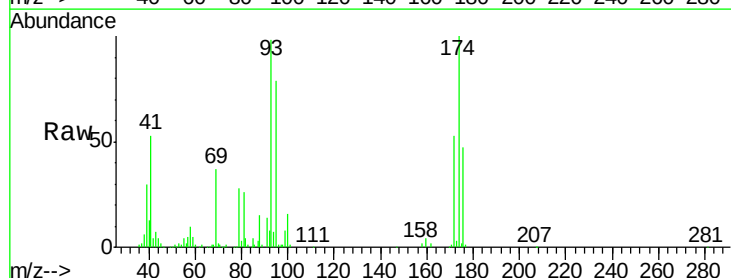
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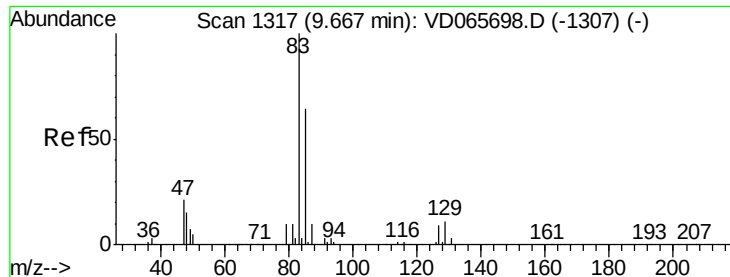
MMDadoda
 5/7/2020 10:35:59 AM



#46
 Dibromomethane
 Concen: 46.536 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.3	97.9
174	103.4	82.7	124.1





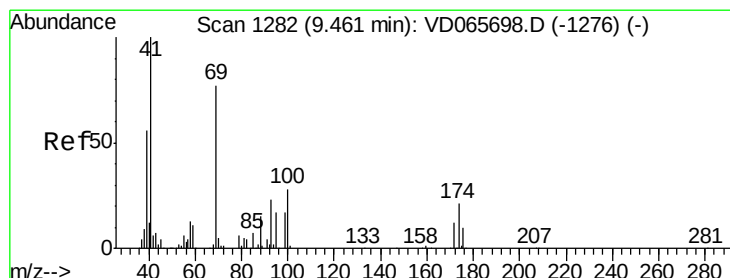
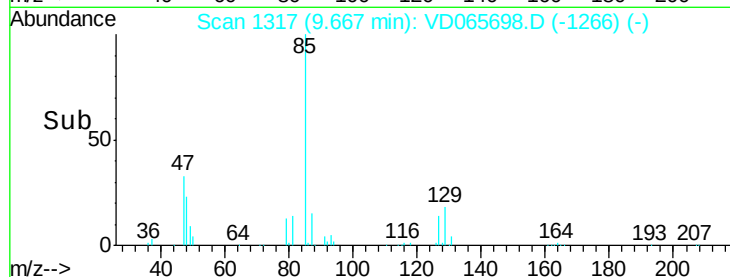
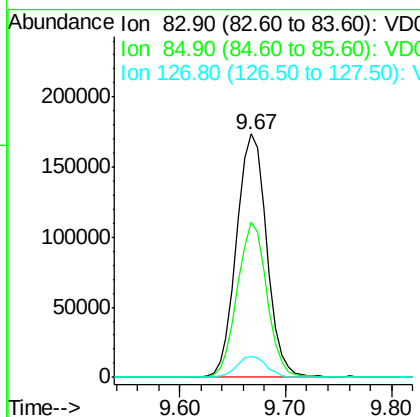
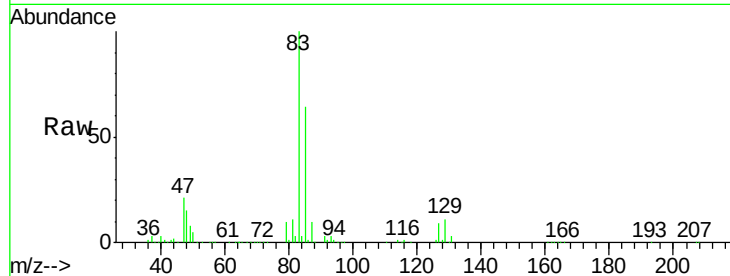
#47
Bromodichloromethane
Concen: 46.971 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	344950		
85	63.6	50.9	76.3	
127	8.6	6.9	10.3	

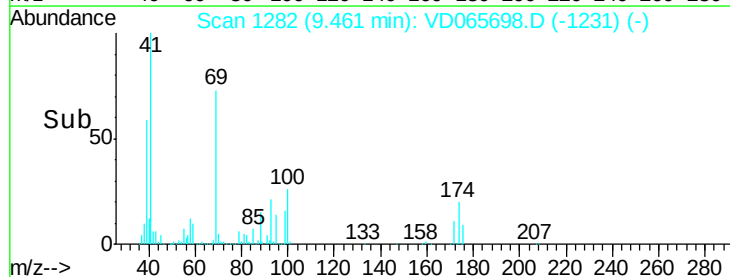
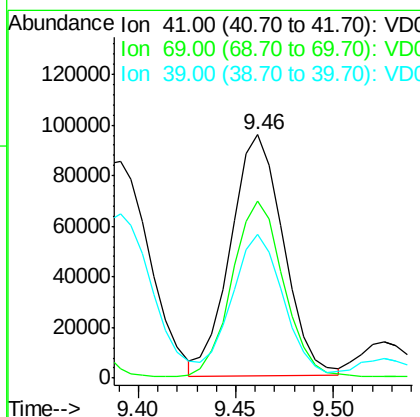
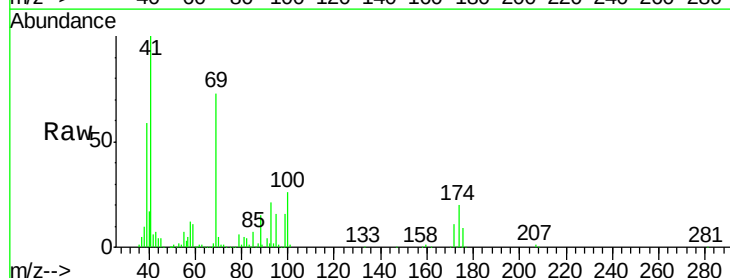
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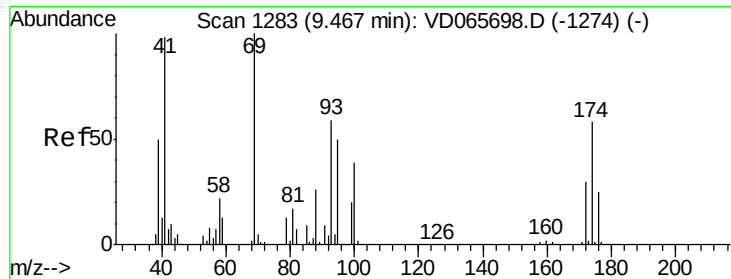
MMDadoda
5/7/2020 10:35:59 AM



#48
Methyl methacrylate
Concen: 68.694 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	178824		
69	72.7	58.2	87.2	
39	54.1	43.3	64.9	





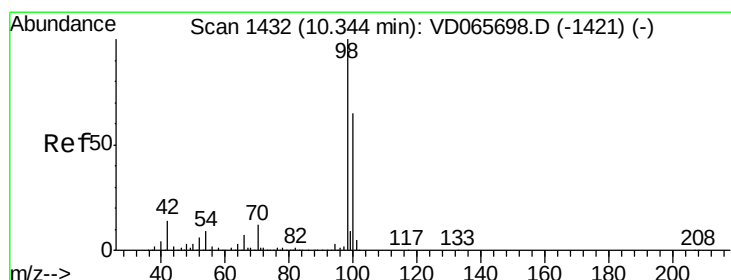
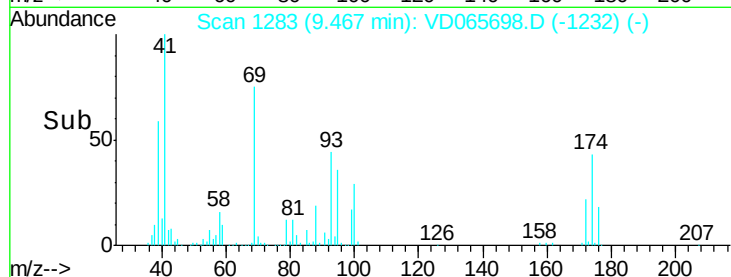
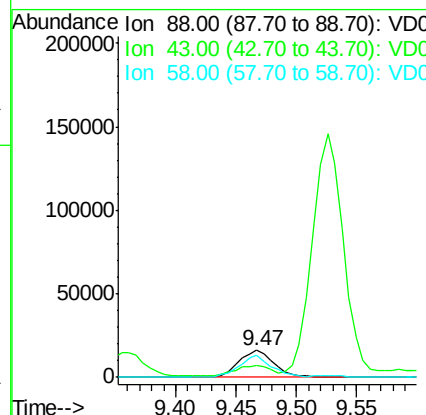
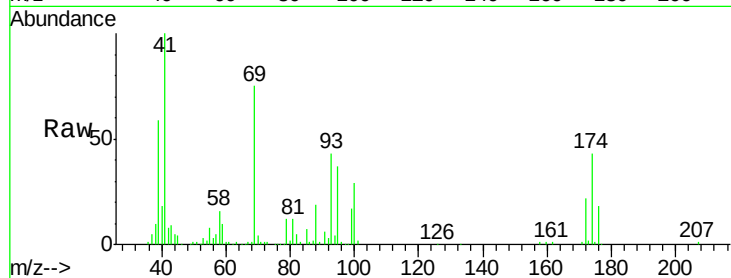
#49
1,4-Dioxane
Concen: 1080.289 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	39.5		31.6	47.4
58	75.3		60.2	90.4

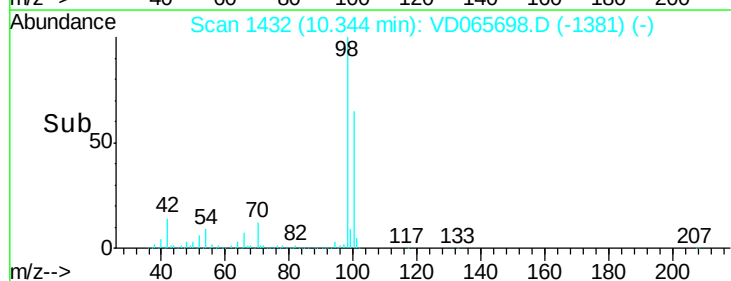
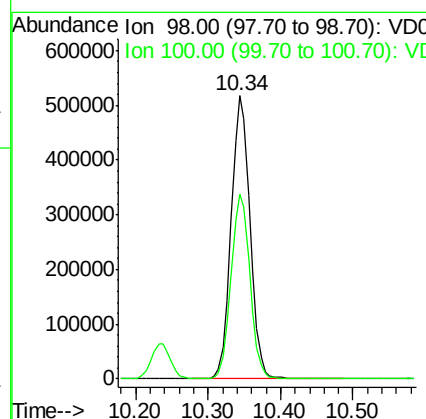
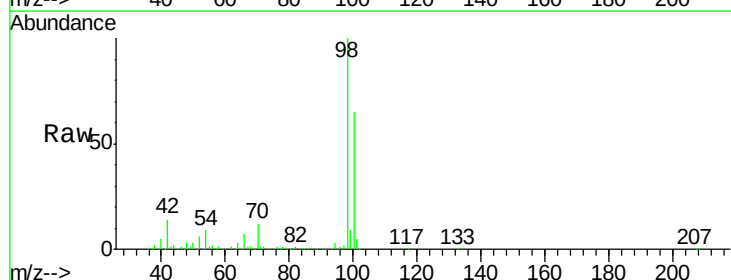
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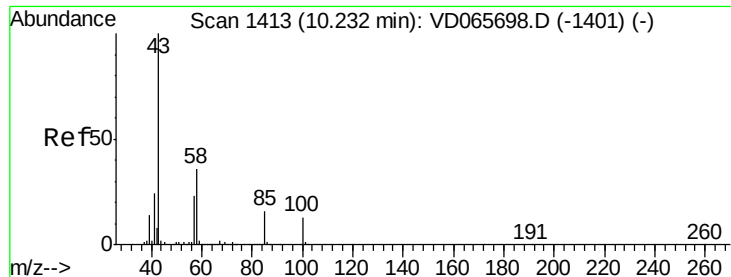
MMDadoda
5/7/2020 10:35:59 AM



#50
Toluene-d8
Concen: 49.777 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.7		52.6	78.8





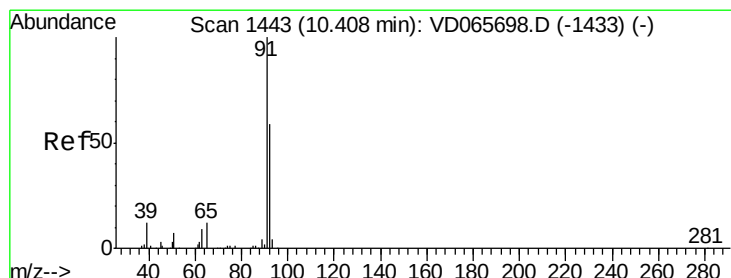
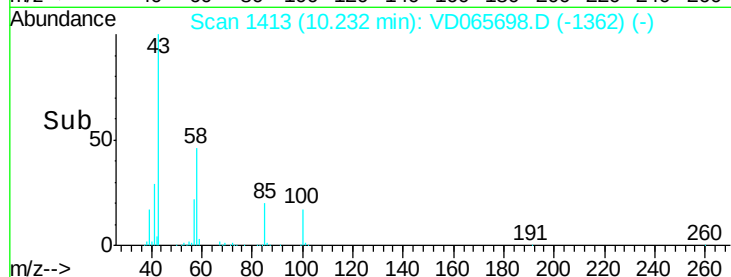
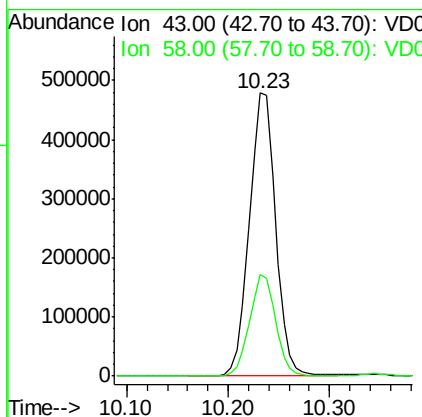
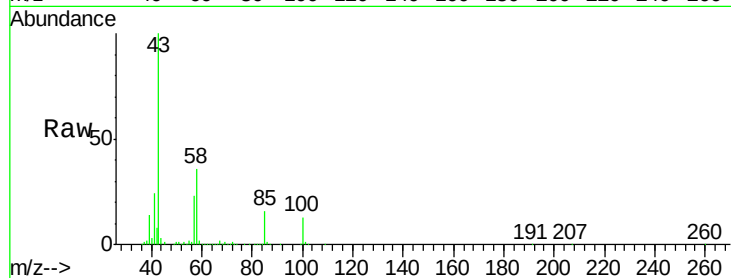
#51
4-Methyl-2-Pentanone
Concen: 308.669 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.6	42.8

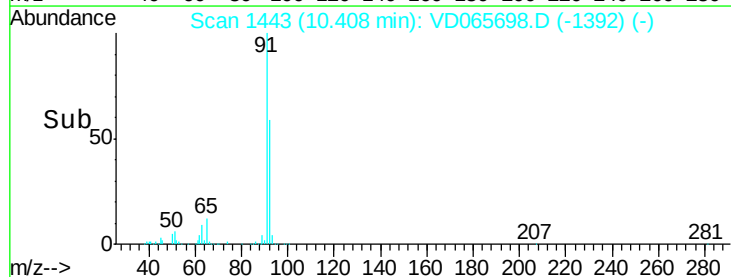
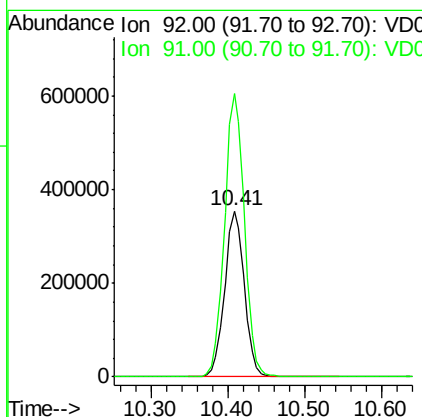
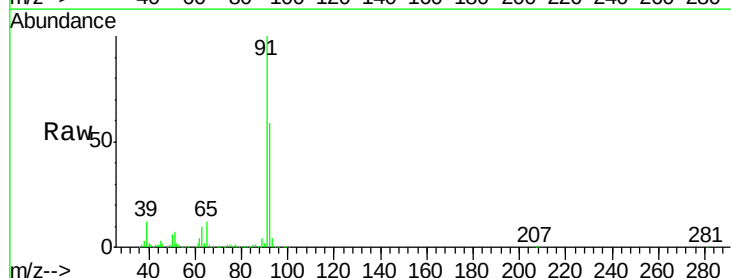
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APPROVED

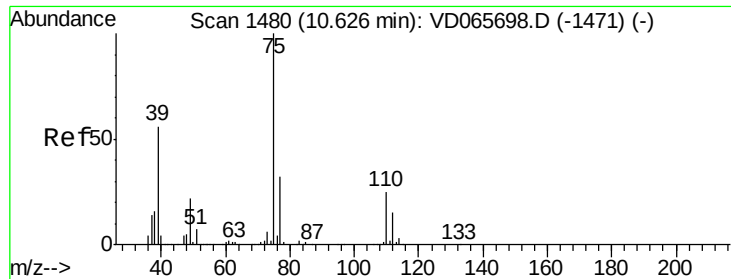
MMDadoda
5/7/2020 10:35:59 AM



#52
Toluene
Concen: 47.086 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.1	207.1





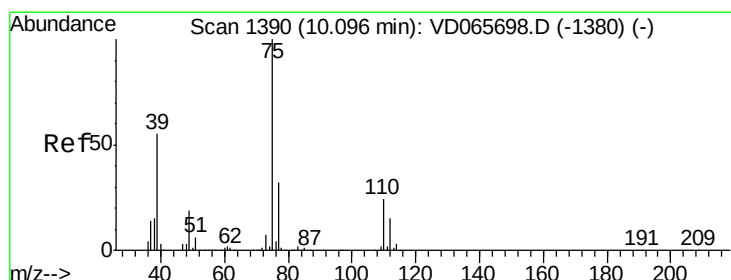
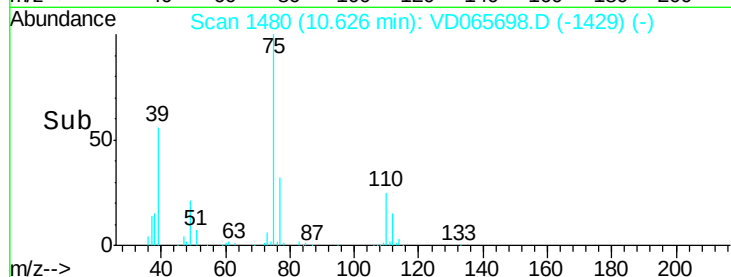
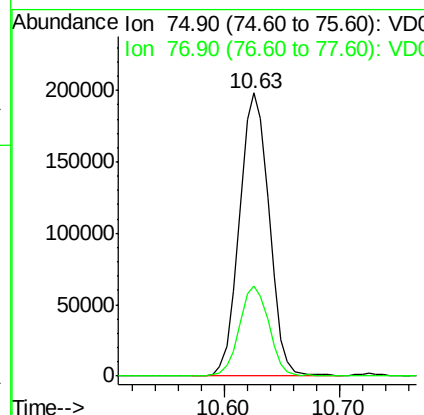
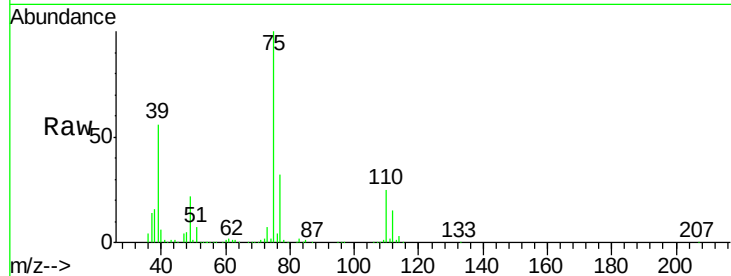
#53
t-1,3-Dichloropropene
Concen: 53.186 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 353989
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0

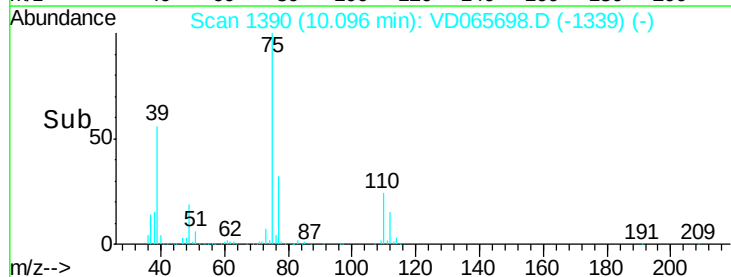
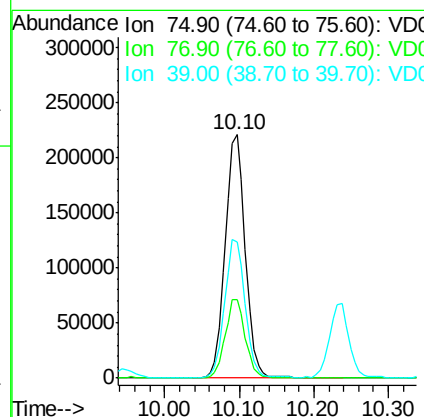
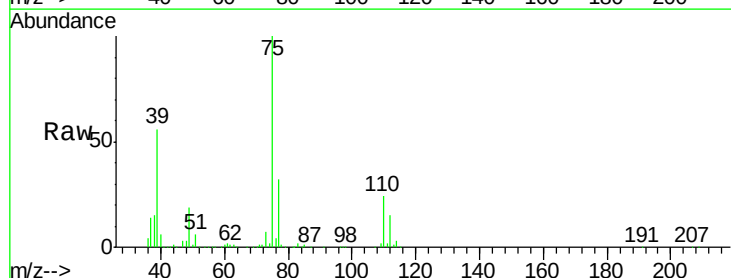
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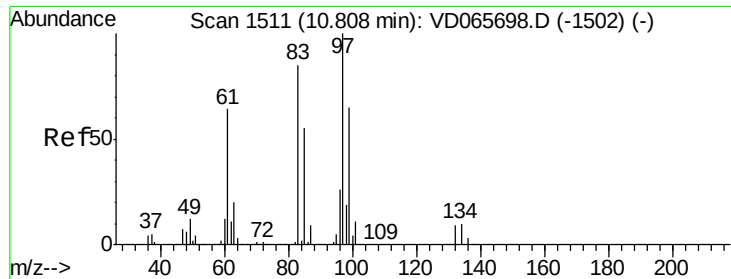
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.146 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion: 75 Resp: 413348
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8
39 55.5 44.4 66.6





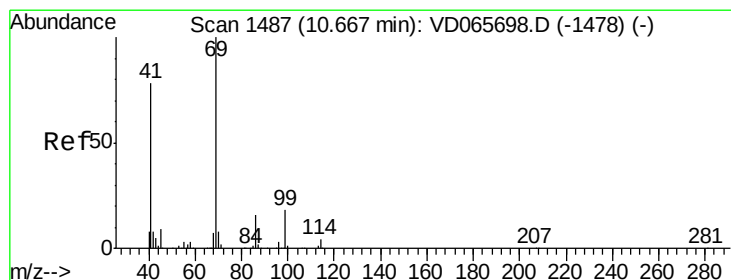
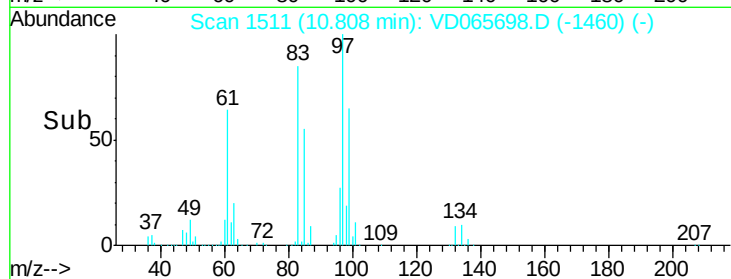
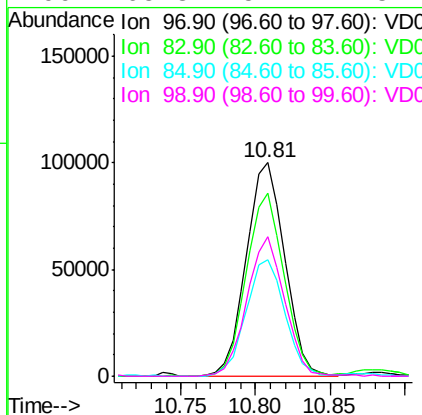
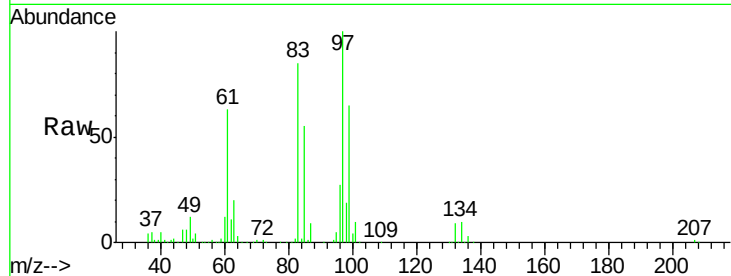
#55
 1,1,2-Trichloroethane
 Concen: 45.189 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	177446
Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.2	102.4
85	54.5	43.6	65.4
99	65.3	52.2	78.4

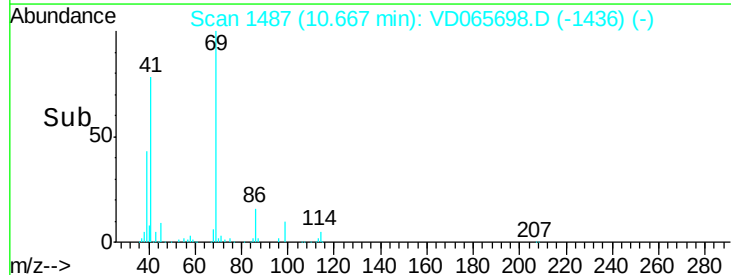
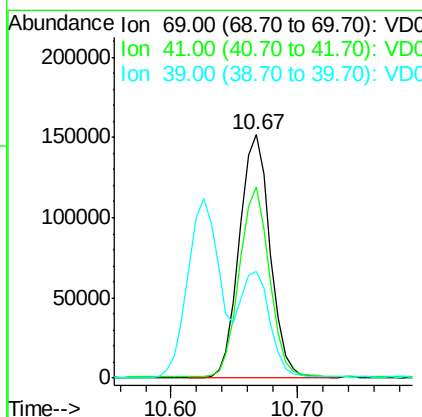
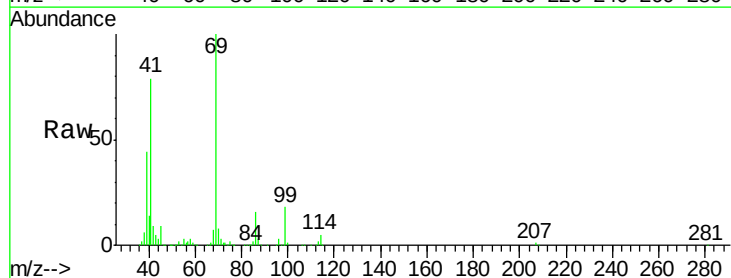
Manual Integrations
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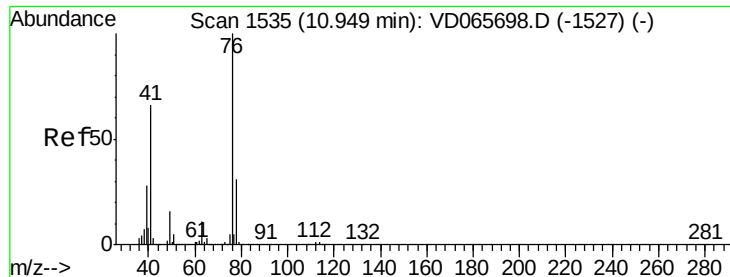
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 5/7/2020 10:35:59 AM



#56
 Ethyl methacrylate
 Concen: 61.575 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion:	69	Resp:	255517
Ion	Ratio	Lower	Upper
69	100		
41	76.7	61.4	92.0
39	40.9	32.7	49.1





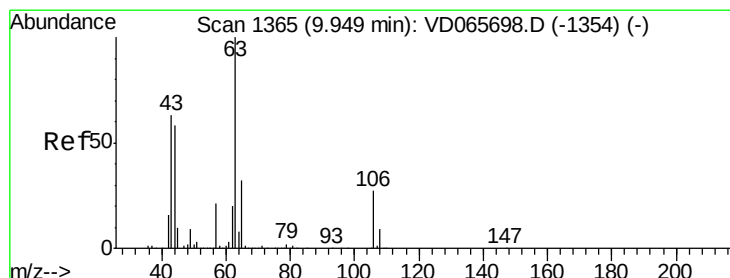
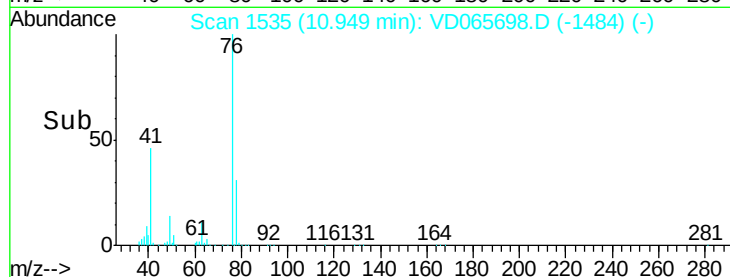
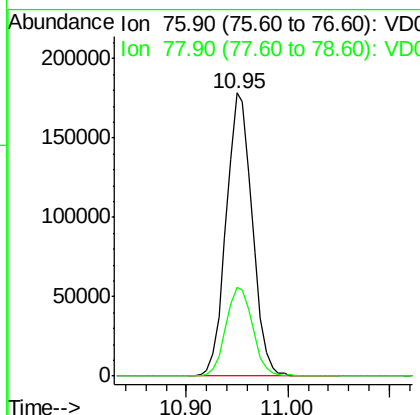
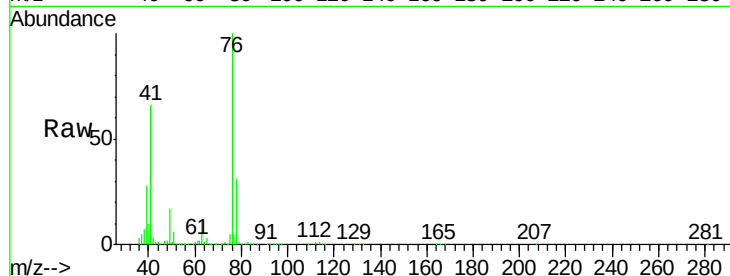
#57
 1,3-Dichloropropane
 Concen: 48.348 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

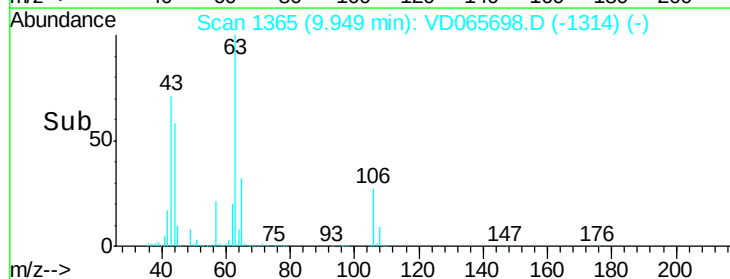
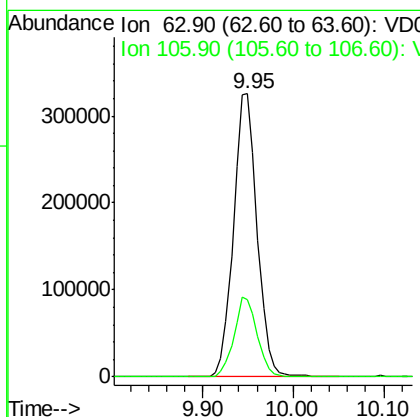
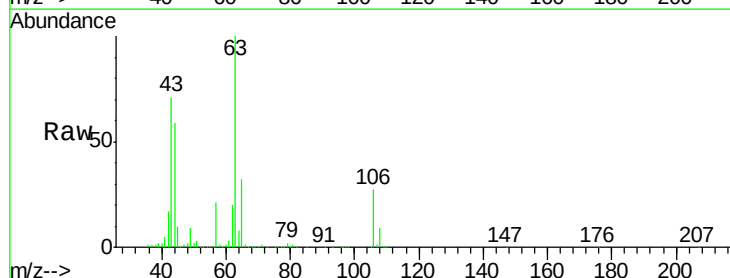
Manual Integrations
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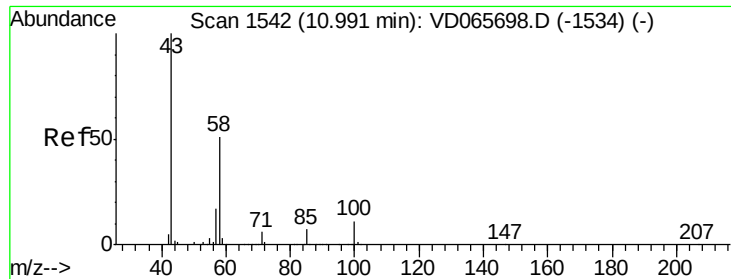
MMDadoda
 5/7/2020 10:35:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 277.398 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.0	33.0





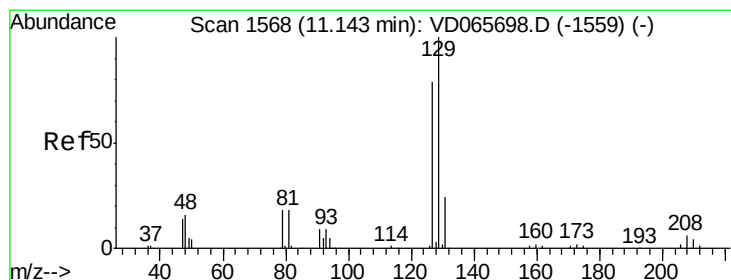
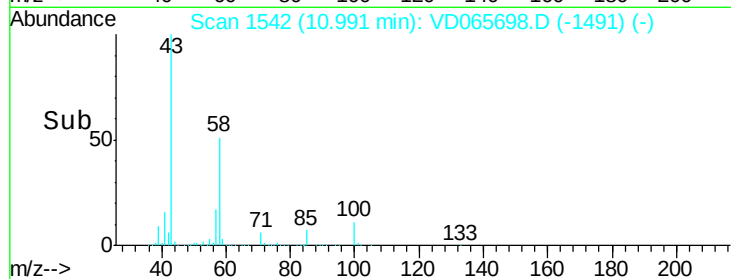
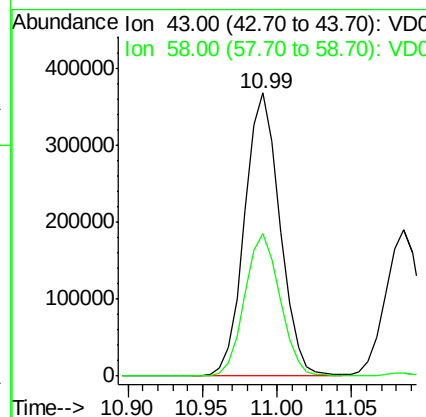
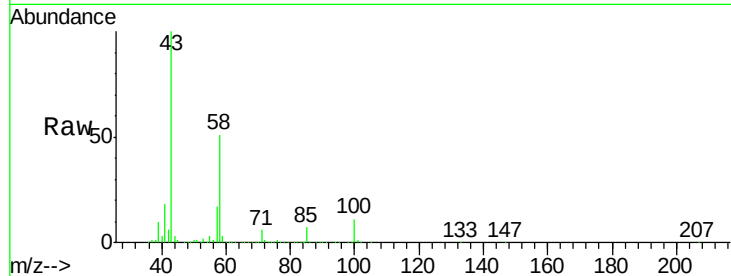
#59
2-Hexanone
Concen: 321.044 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	599891
Ion Ratio	100	Lower	Upper
43	100		
58	50.7	25.4	76.0

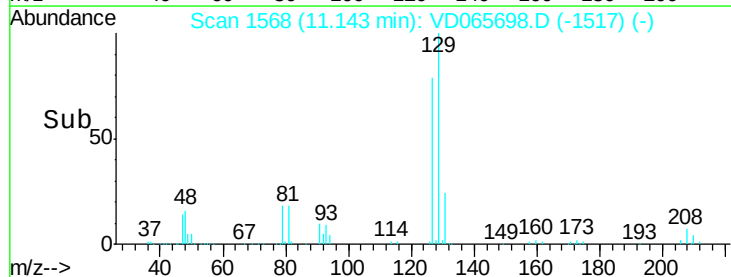
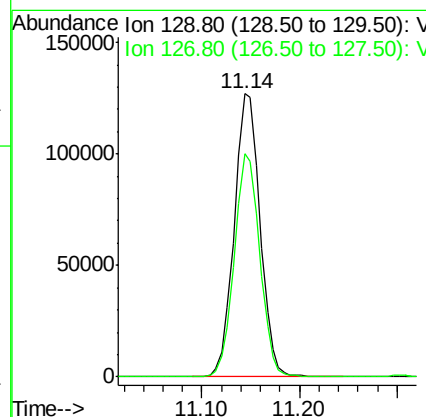
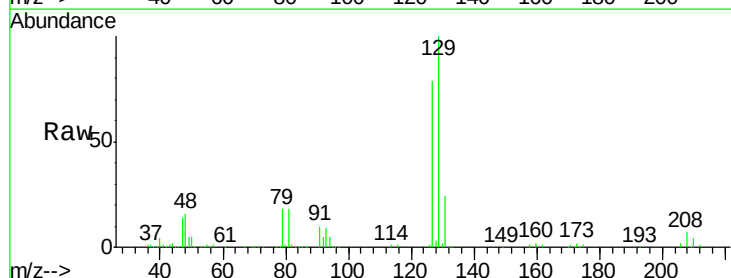
Manual Integrations
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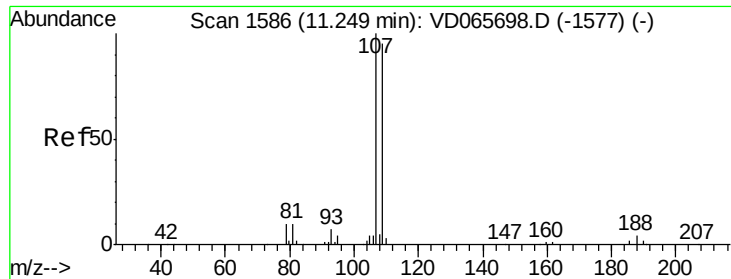
MMDadoda
5/7/2020 10:35:59 AM



#60
Dibromochloromethane
Concen: 44.915 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion	129	Resp	233252	
Ion Ratio	129	100	Lower	Upper
129	100			
127	77.7	38.9	116.6	





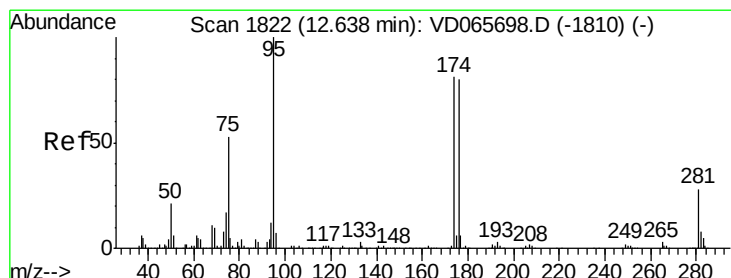
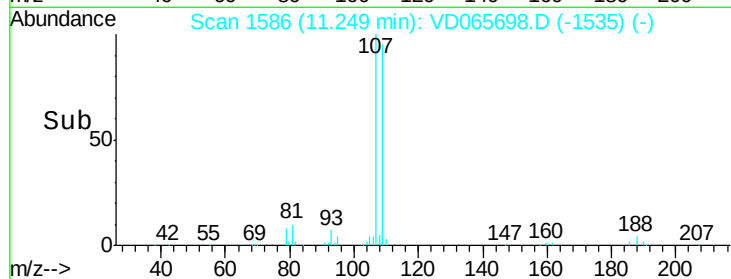
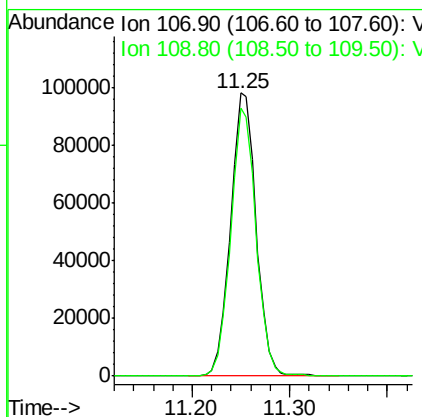
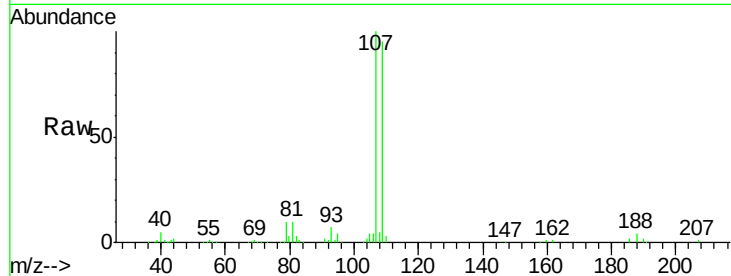
#61
 1,2-Dibromoethane
 Concen: 47.358 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	178106		
109	93.6	74.9	112.3	

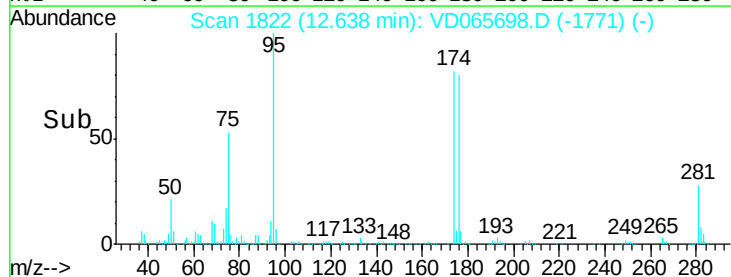
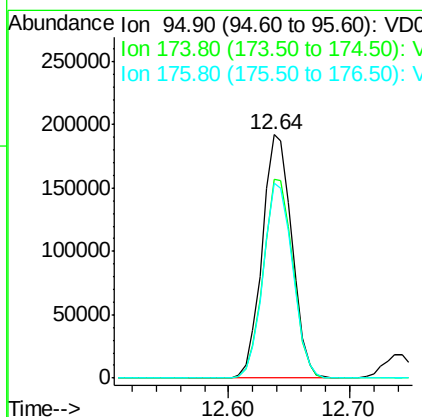
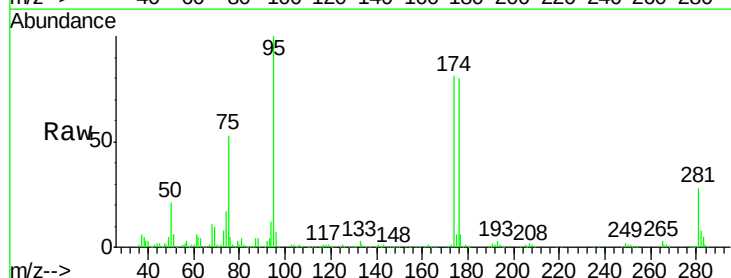
Manual Integrations
 APPROVED

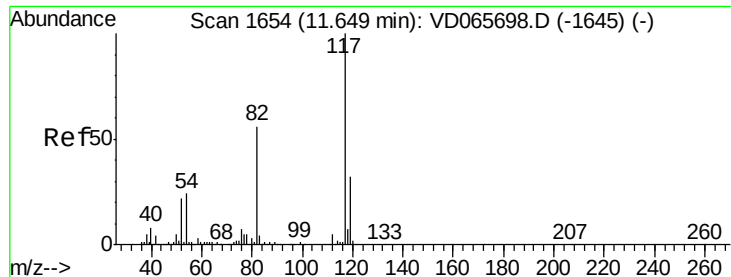
MMDadoda
 5/7/2020 10:35:59 AM



#62
 4-Bromofluorobenzene
 Concen: 53.223 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	326091		
174	81.3	0.0	162.6	
176	79.5	0.0	159.0	





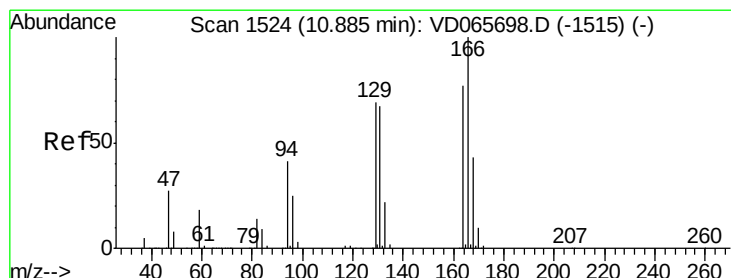
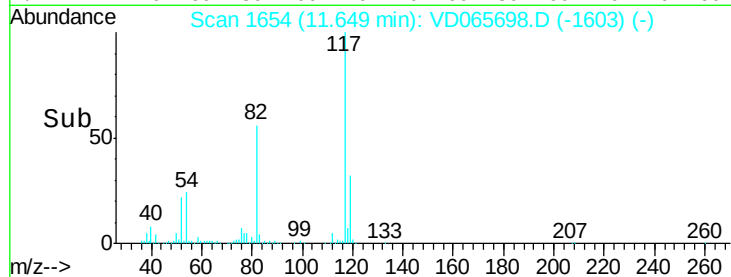
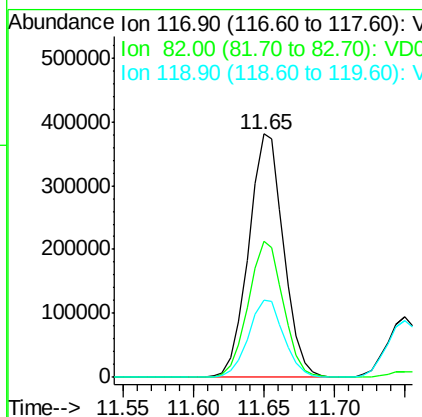
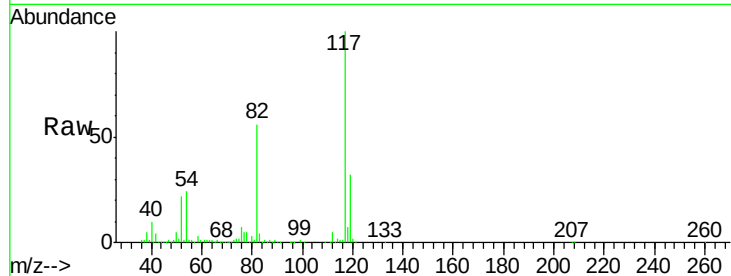
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	661643		
82	56.1		44.9	67.3
119	31.8		25.4	38.2

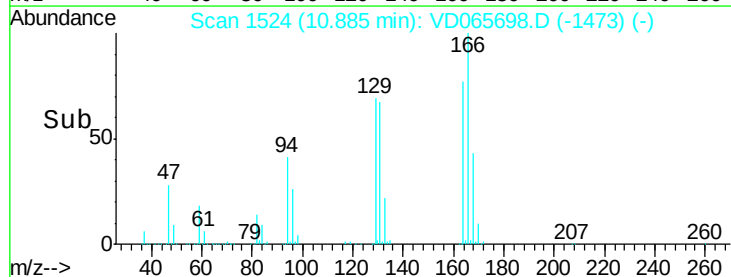
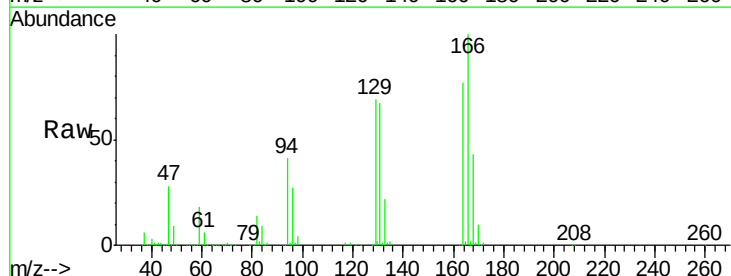
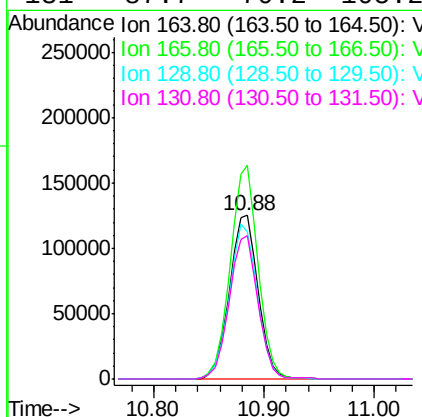
Manual Integrations
APPROVED

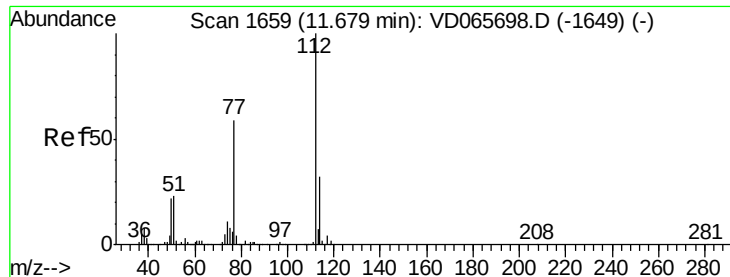
MMDadoda
5/7/2020 10:35:59 AM



#64
Tetrachloroethene
Concen: 44.970 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	229154		
166	130.4		104.3	156.5
129	89.9		71.9	107.9
131	87.7		70.2	105.2





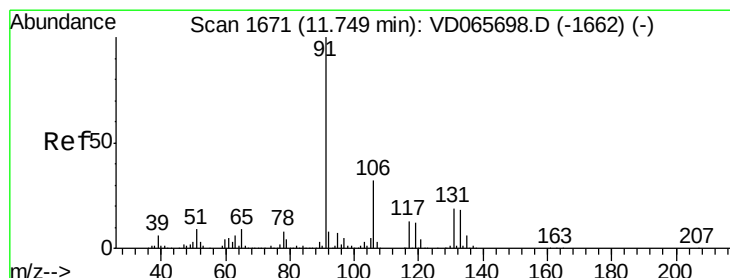
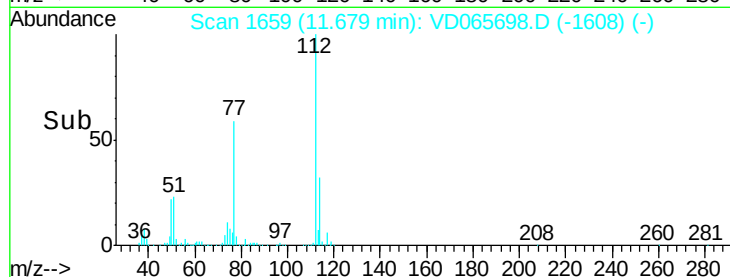
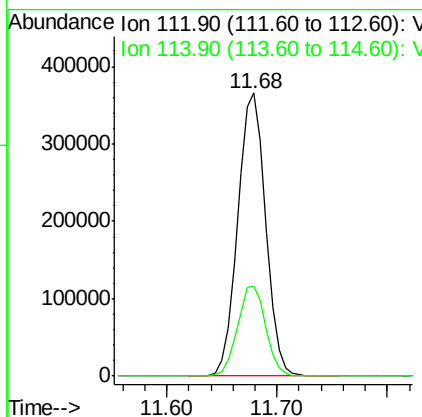
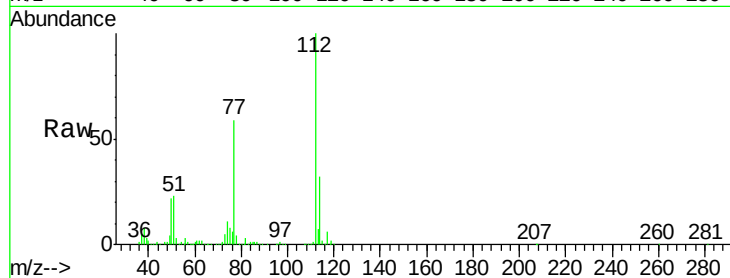
#65
Chlorobenzene
Concen: 46.512 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.4	38.0

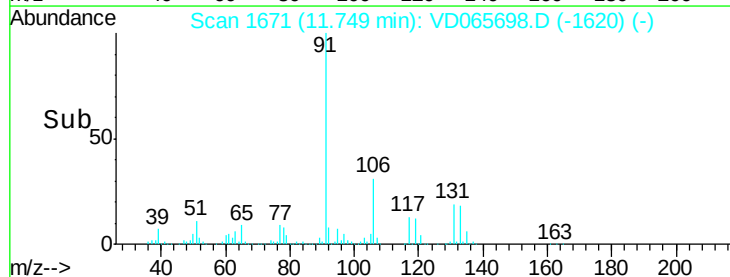
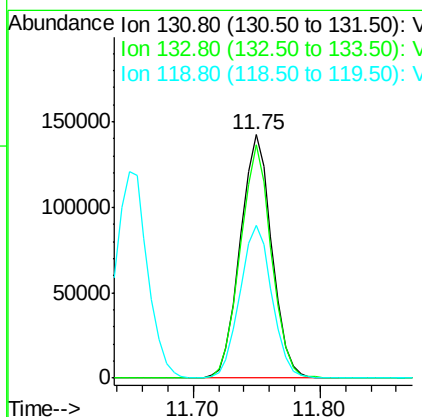
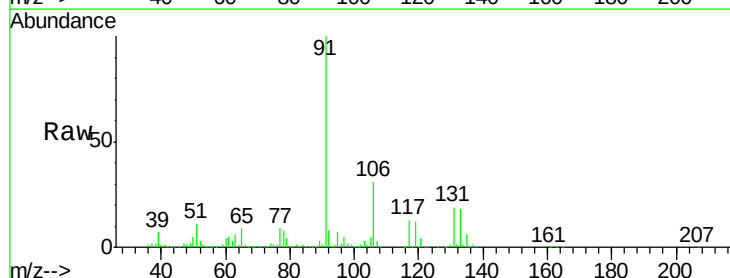
Manual Integrations
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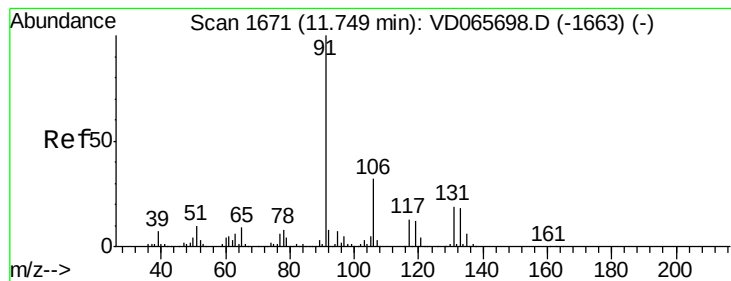
MMDadoda
5/7/2020 10:35:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.430 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.8
119	63.6	31.8	95.4





#67

Ethyl Benzene

Concen: 52.110 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 1213561

Ion Ratio Lower Upper

91 100

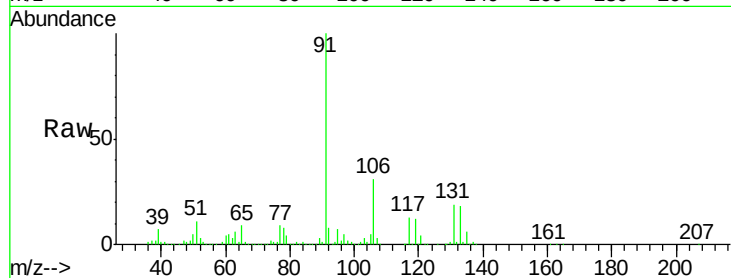
106 31.5 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VD065698.D (-1663) (-)

Ion 106.00 (105.70 to 106.70): VD065698.D (-1663) (-)

1000000

800000

600000

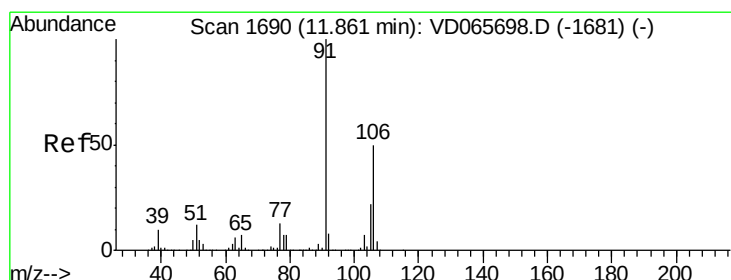
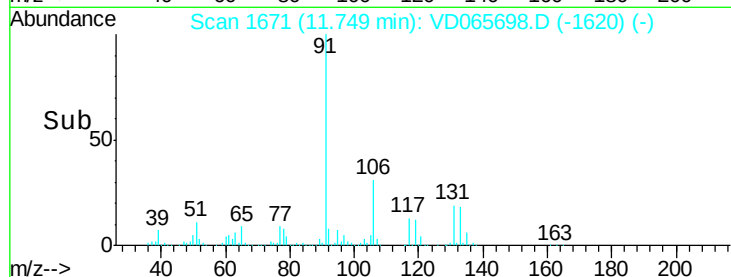
400000

200000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 99.687 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065698.D

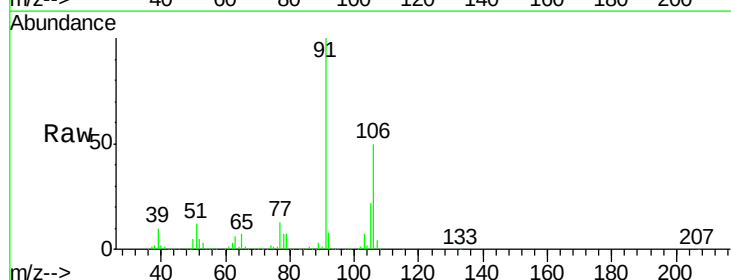
Acq: 06 May 2020 15:38

Tgt Ion: 106 Resp: 903363

Ion Ratio Lower Upper

106 100

91 203.9 163.1 244.7



Abundance Ion 106.00 (105.70 to 106.70): VD065698.D (-1681) (-)

Ion 91.00 (90.70 to 91.70): VD065698.D (-1681) (-)

1000000

800000

600000

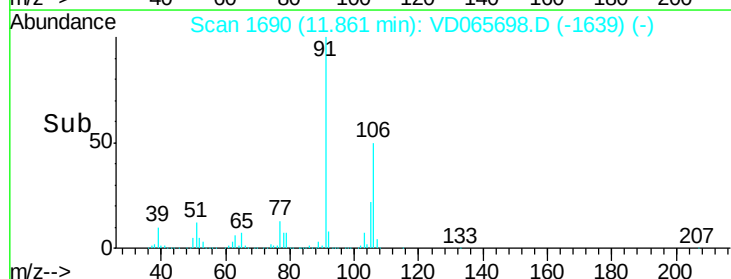
400000

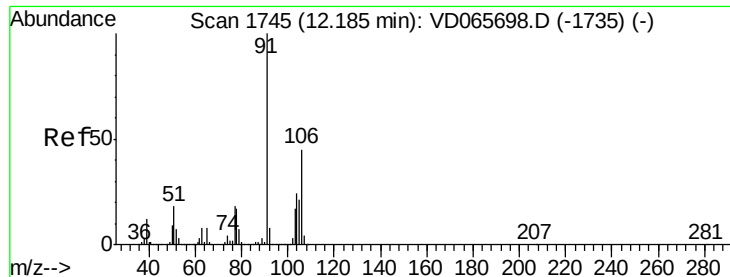
200000

0

11.80 11.86 11.90

Time-->





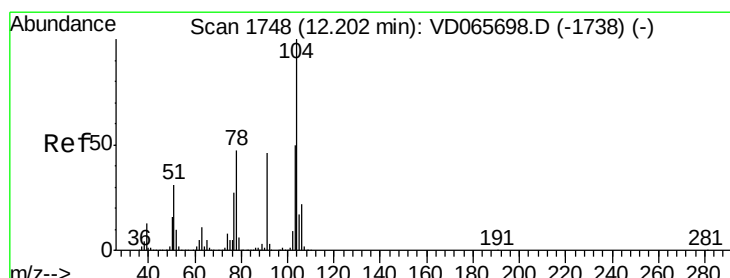
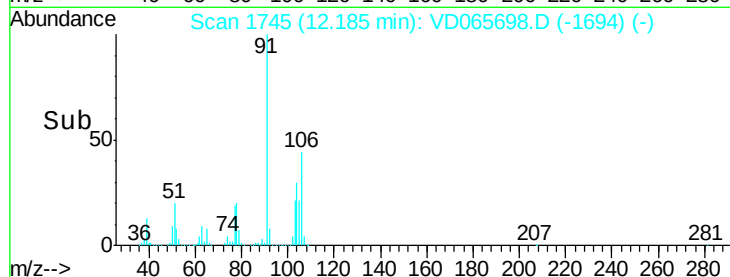
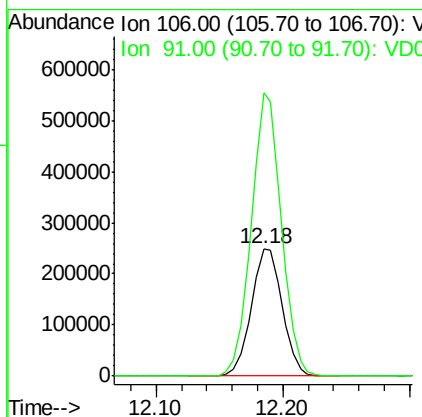
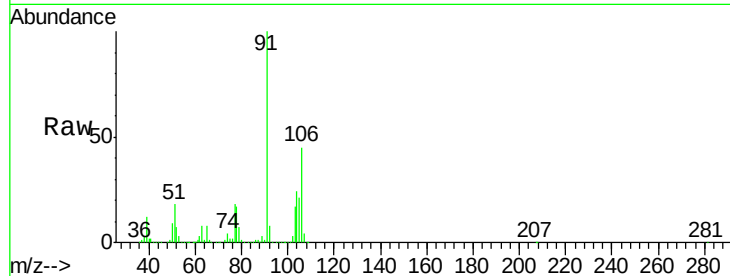
#69
o-Xylene
Concen: 53.489 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
423751	106	100		
	91	215.8	107.9	323.7

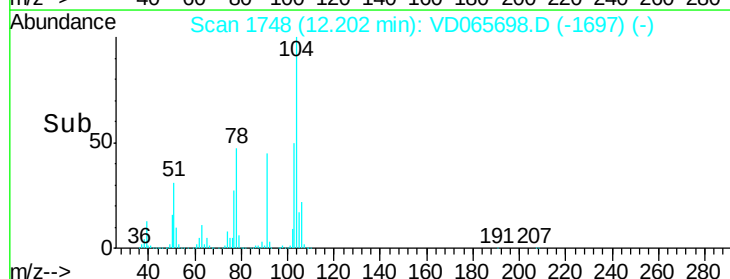
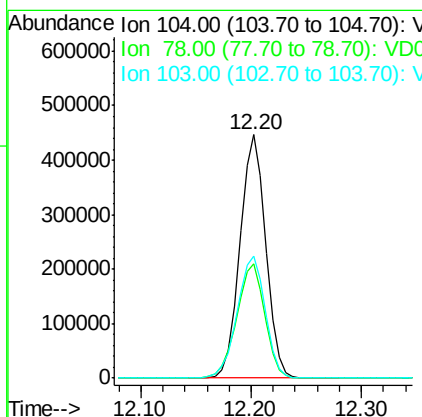
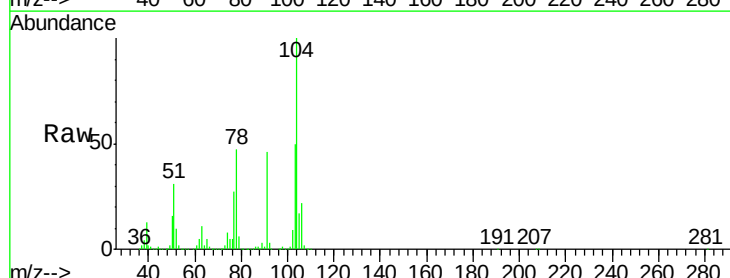
Manual Integrations
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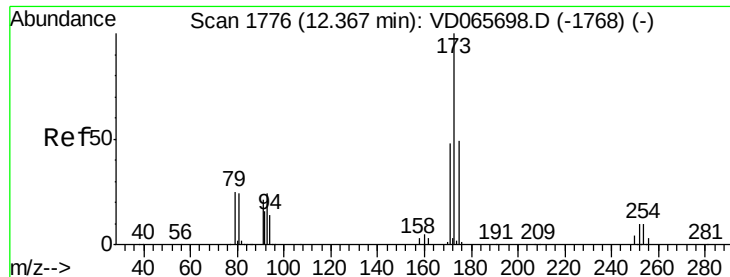
MMDadoda
5/7/2020 10:35:59 AM



#70
Styrene
Concen: 52.722 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion	Ion	Ratio	Lower	Upper
731512	104	100		
	78	51.2	41.0	61.4
	103	54.7	43.8	65.6





#71

Bromoform

Concen: 46.273 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 138955

Ion Ratio Lower Upper

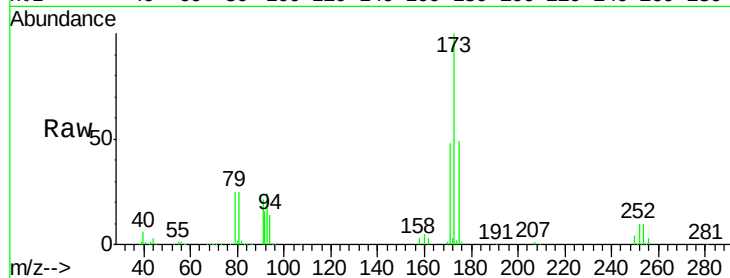
173 100

175 49.0 24.5 73.5

254 0.0 0.0 0.0#

Manual Integrations
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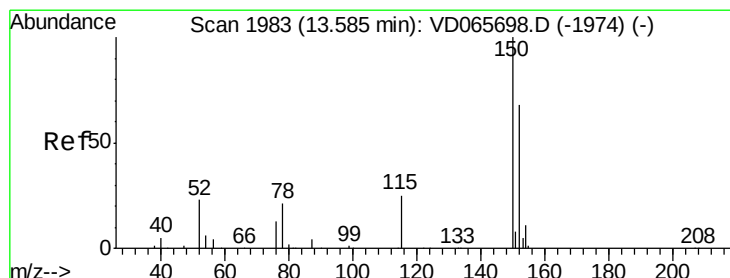
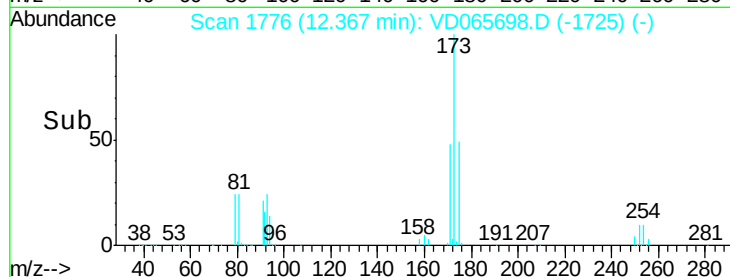
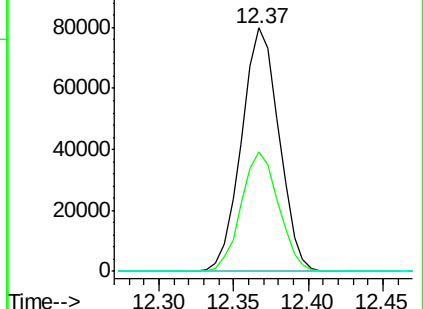
MMDadoda
5/7/2020 10:35:59 AM



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: VD065698.D

Acq: 06 May 2020 15:38

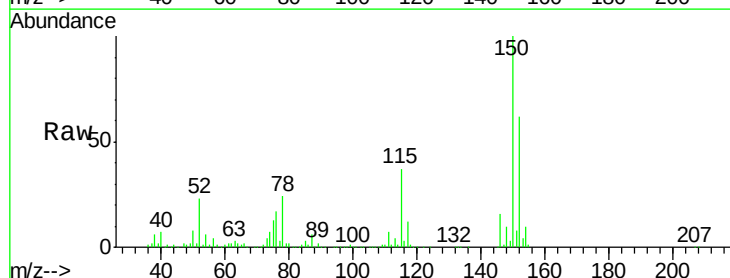
Tgt Ion:152 Resp: 312828

Ion Ratio Lower Upper

152 100

115 59.0 29.5 88.5

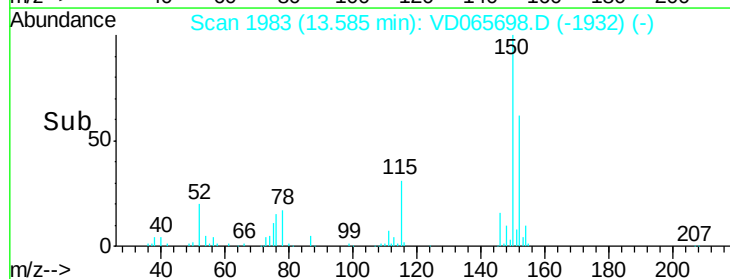
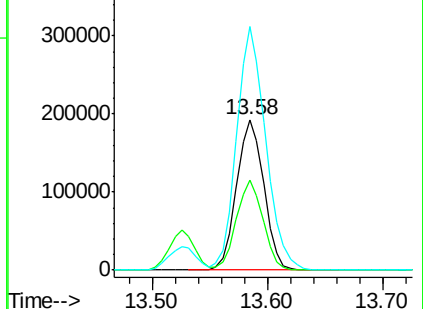
150 173.4 0.0 346.8

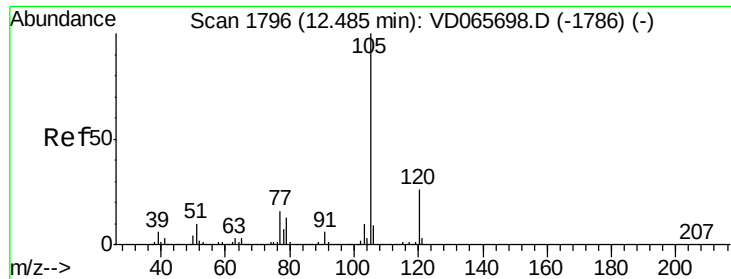


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.406 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1149838

Ion Ratio Lower Upper

105 100

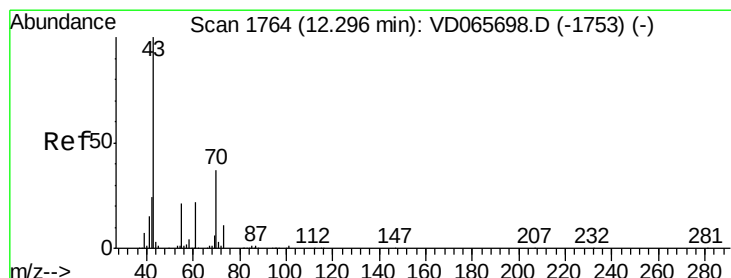
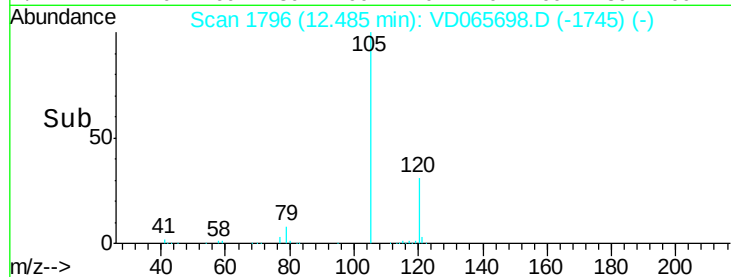
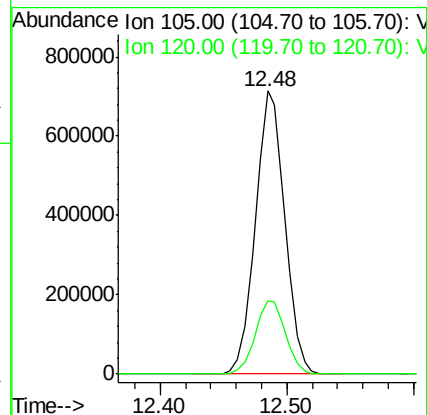
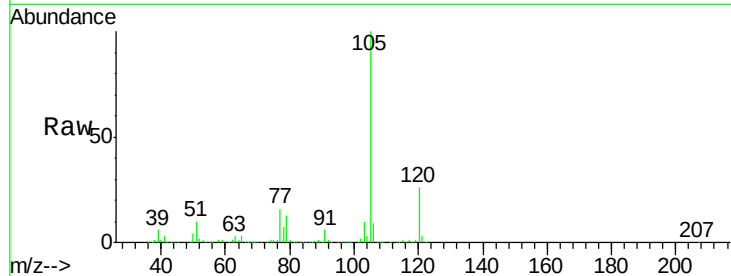
120 26.8 13.4 40.2

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#74

N-ethyl acetate

Concen: 76.434 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Tgt Ion: 43 Resp: 339084

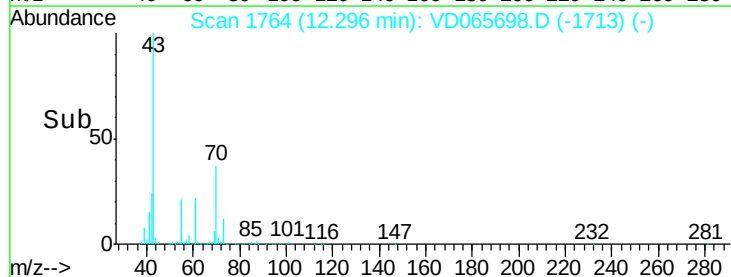
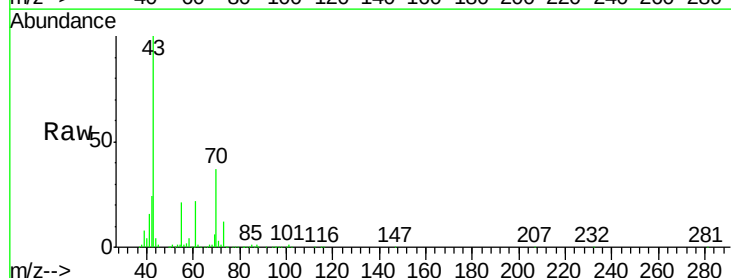
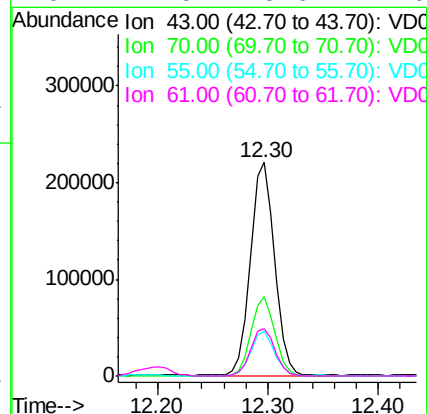
Ion Ratio Lower Upper

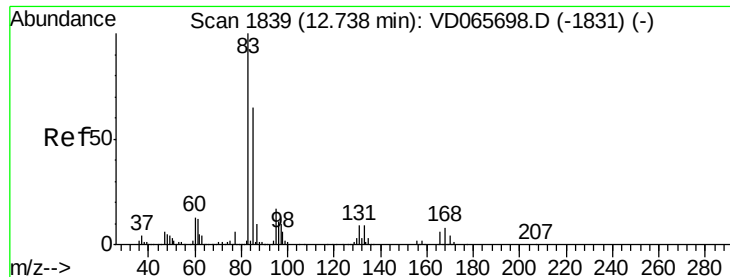
43 100

70 36.6 29.3 43.9

55 20.5 16.4 24.6

61 22.5 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.676 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

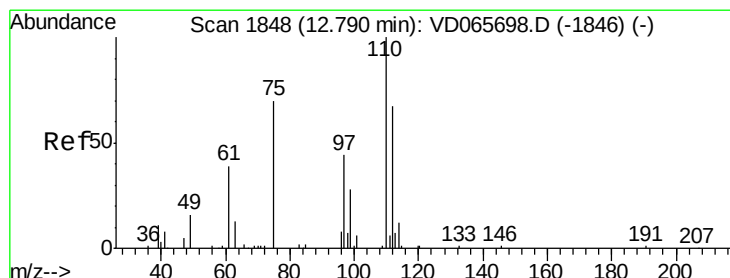
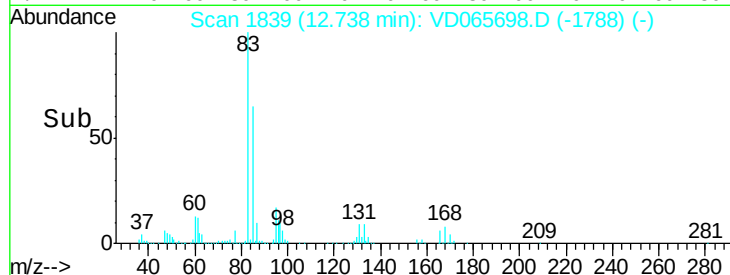
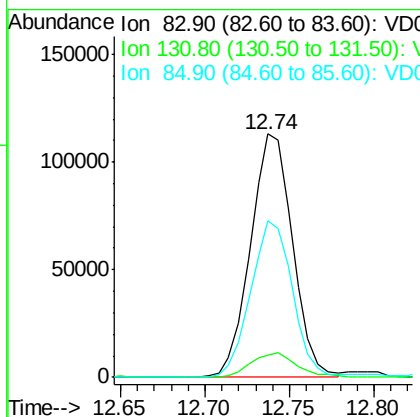
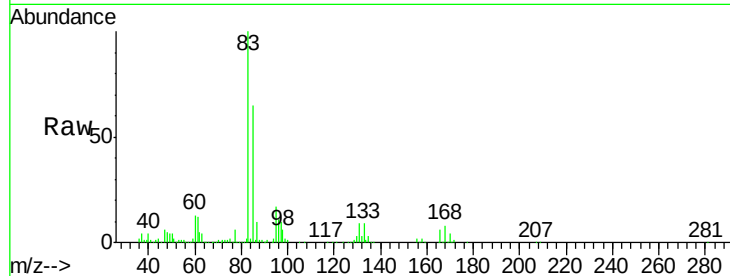
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	195637
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.7
85	63.9	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.535 ug/l m

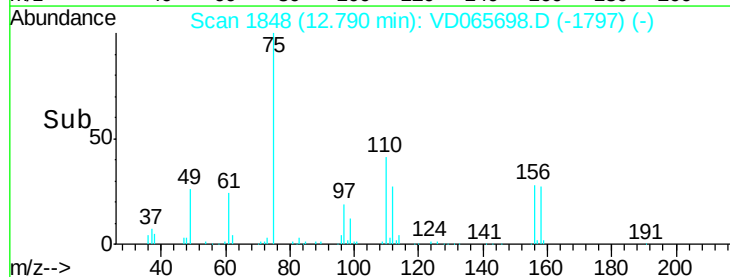
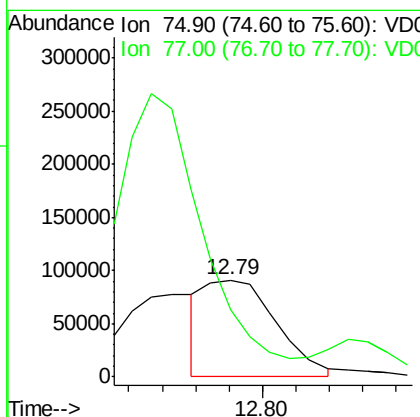
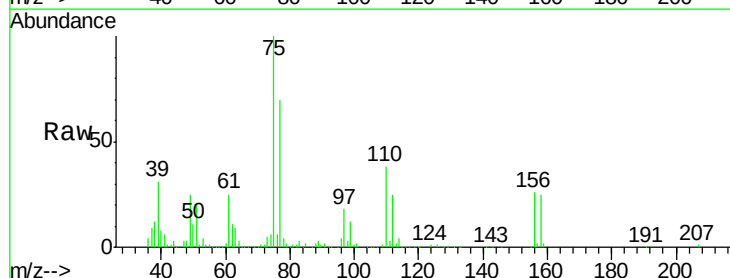
RT: 12.79 min Scan# 1848

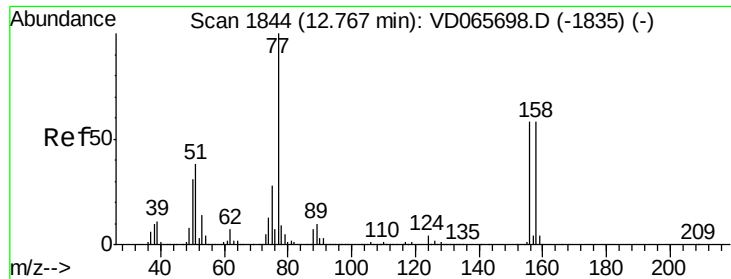
Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Tgt Ion:	75	Resp:	135785
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





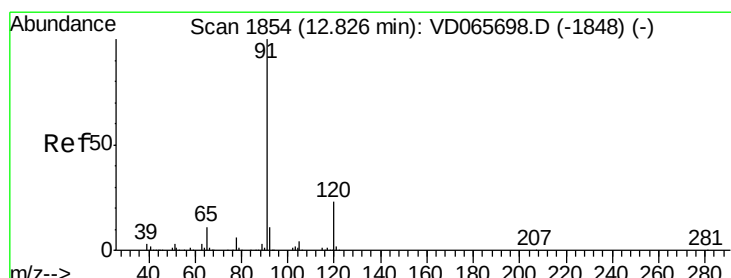
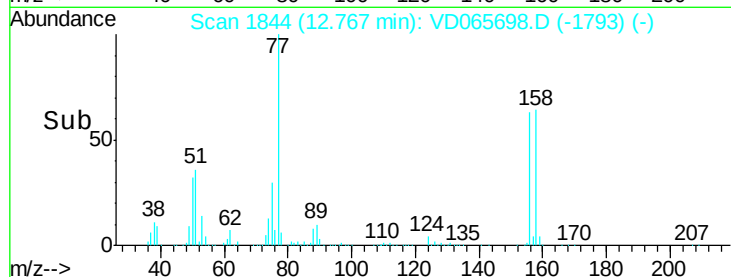
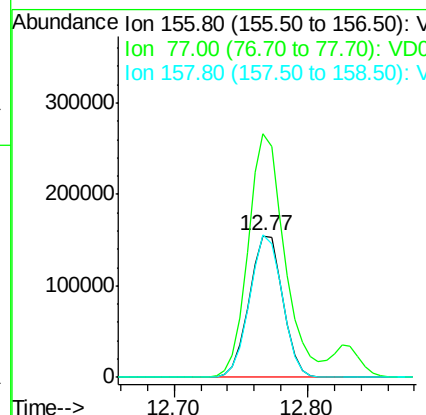
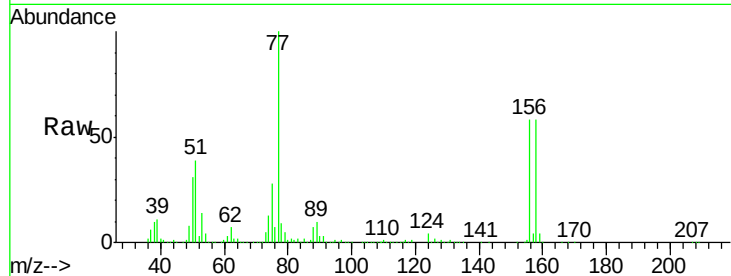
#77
Bromobenzene
Concen: 49.565 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.8	92.9	278.7
158	97.8	48.9	146.7

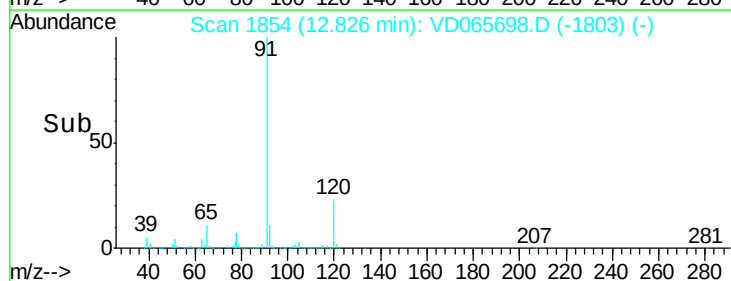
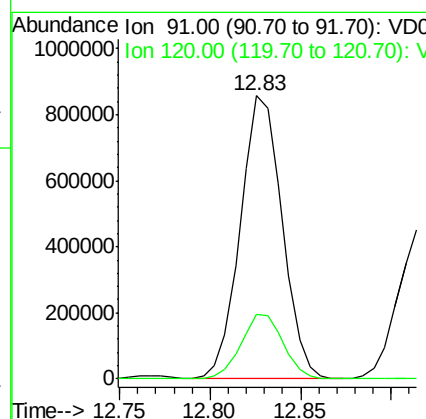
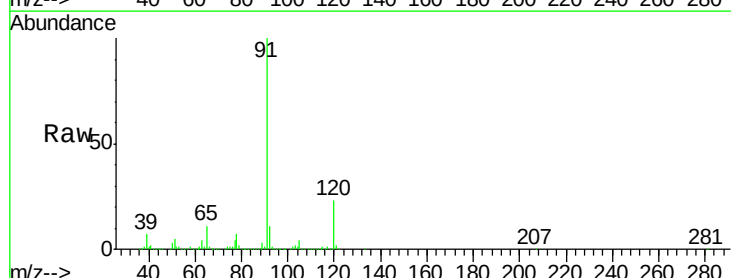
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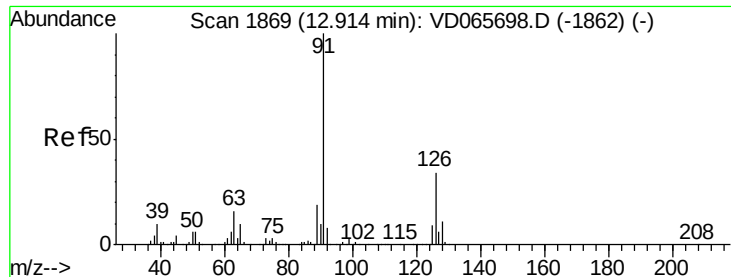
MMDadoda
5/7/2020 10:35:59 AM



#78
n-propylbenzene
Concen: 56.849 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.5





#79

2-Chlorotoluene

Concen: 55.507 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 769741

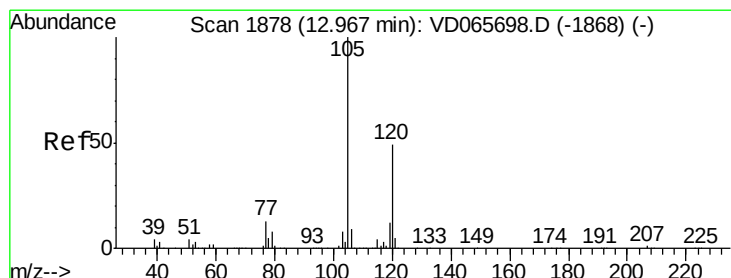
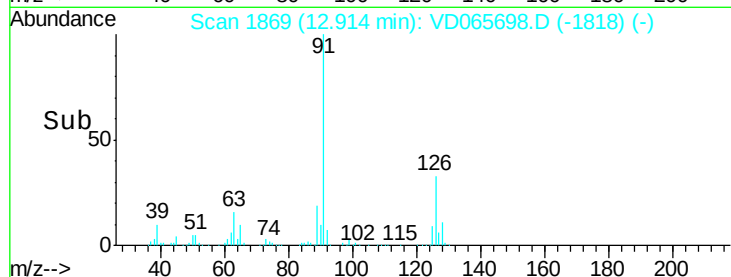
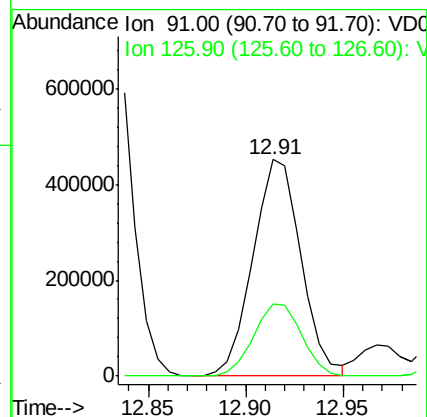
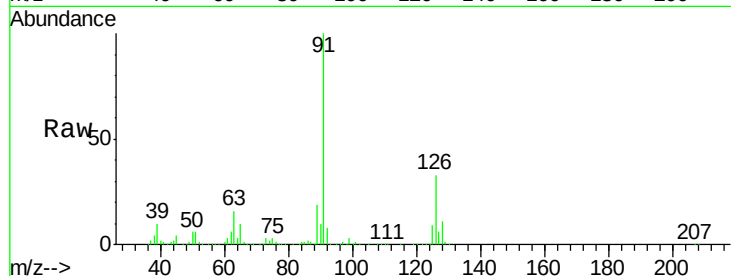
Ion Ratio Lower Upper

91 100

126 33.7 16.9 50.6

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#80

1,3,5-Trimethylbenzene

Concen: 56.701 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065698.D

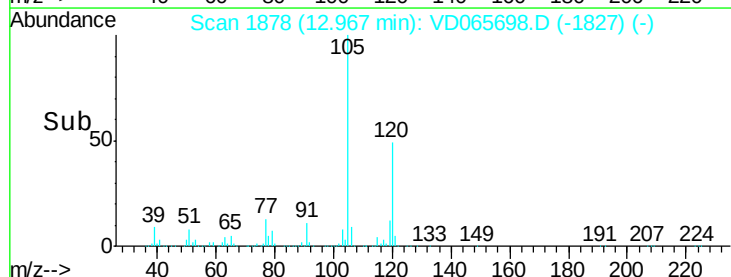
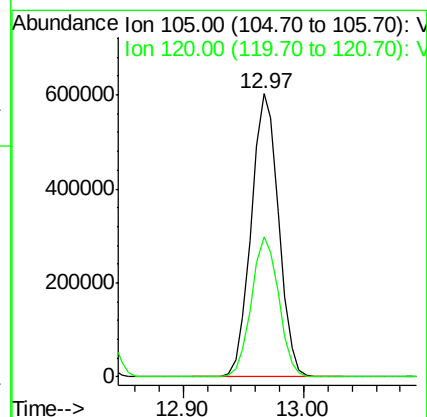
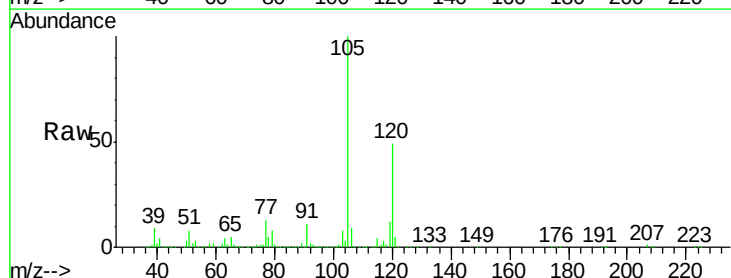
Acq: 06 May 2020 15:38

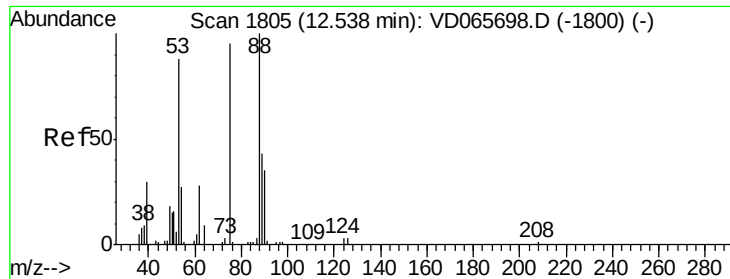
Tgt Ion: 105 Resp: 955856

Ion Ratio Lower Upper

105 100

120 49.2 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 64.887 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

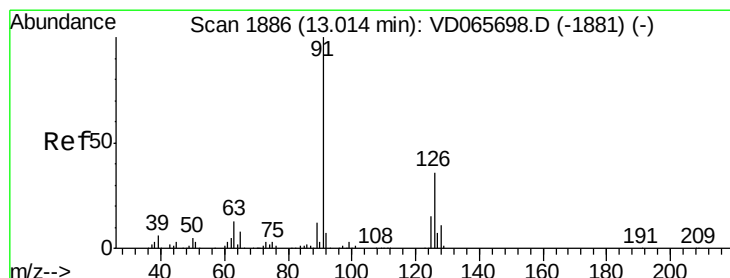
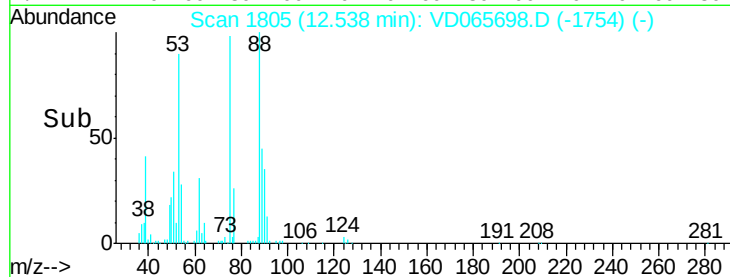
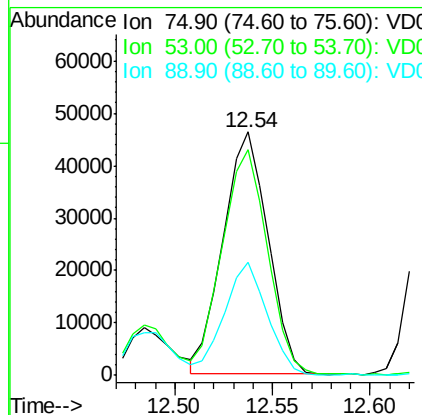
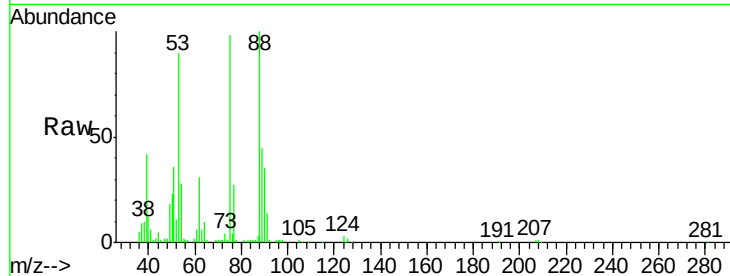
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	73825
Ion	Ratio	Lower	Upper
75	100		
53	94.8	75.8	113.8
89	45.2	36.2	54.2

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#82

4-Chlorotoluene

Concen: 53.759 ug/l

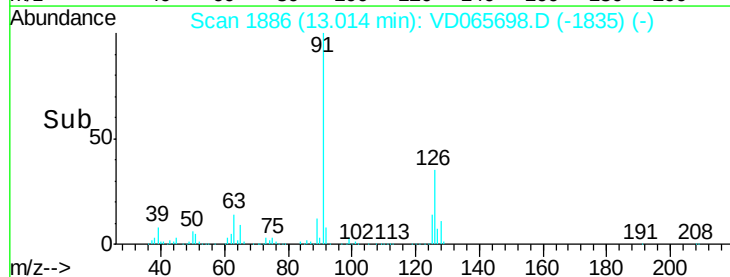
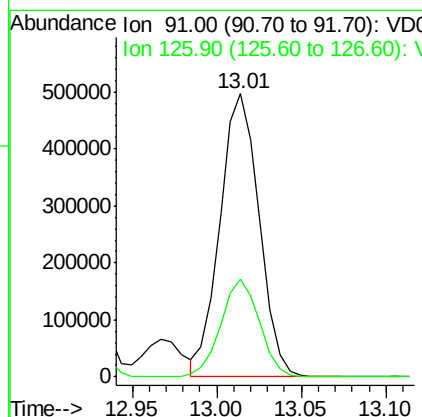
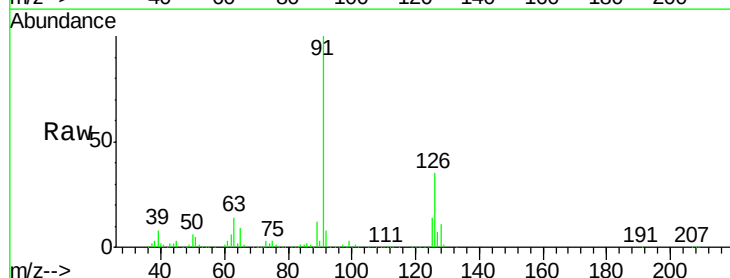
RT: 13.01 min Scan# 1886

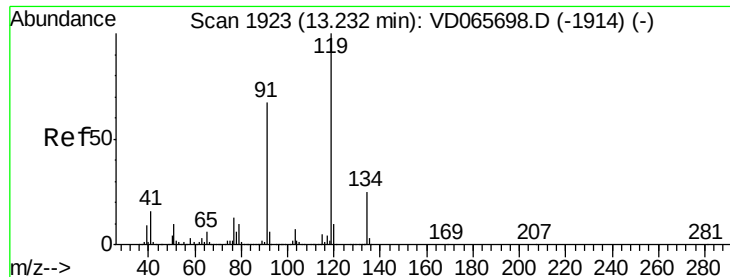
Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Tgt Ion:	91	Resp:	799108
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.1	51.3





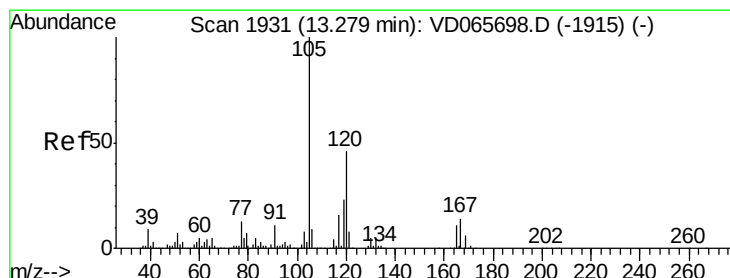
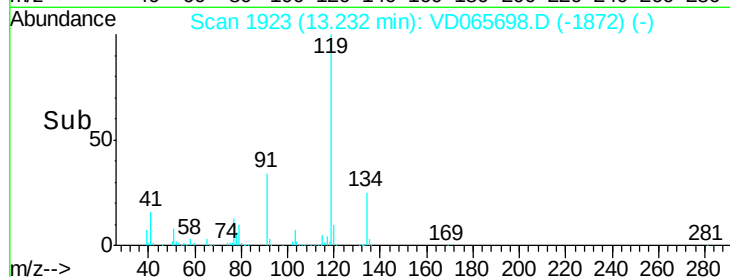
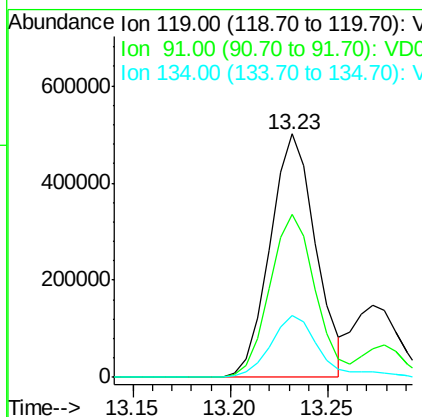
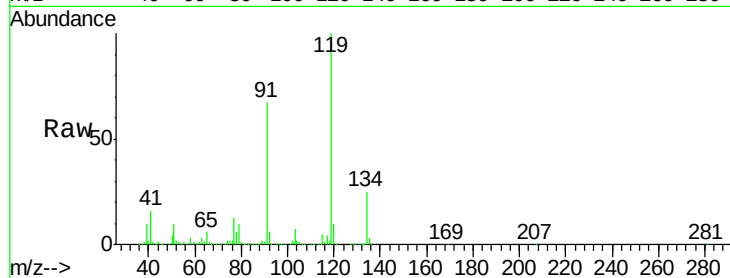
#83
 tert-Butylbenzene
 Concen: 57.774 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.6	100.8
134	27.2	13.6	40.8

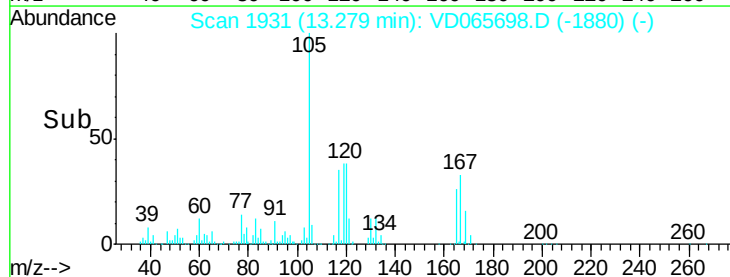
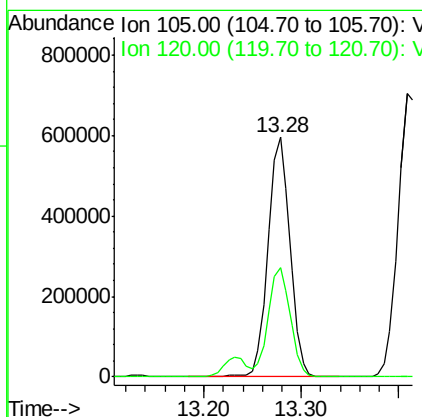
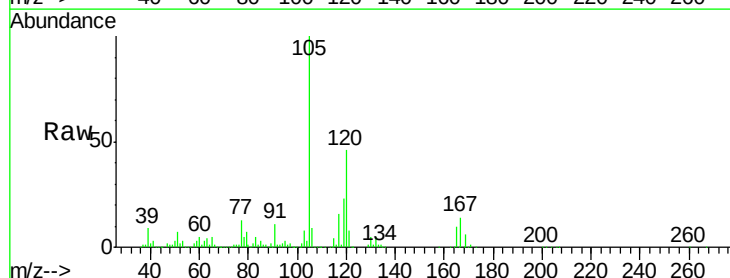
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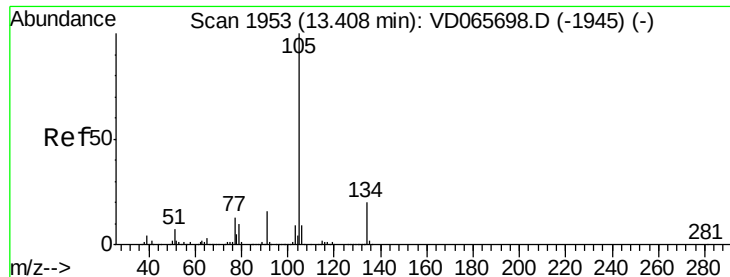
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.528 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.8	68.4





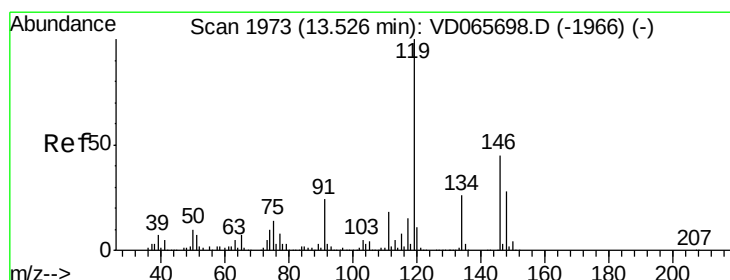
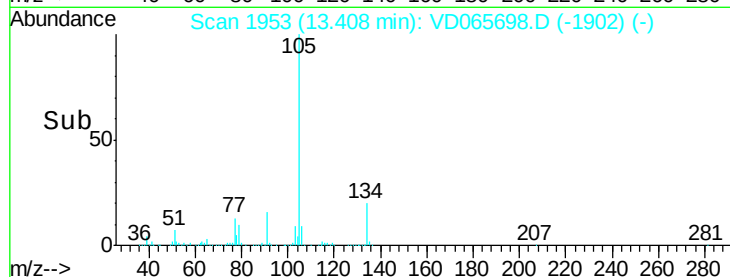
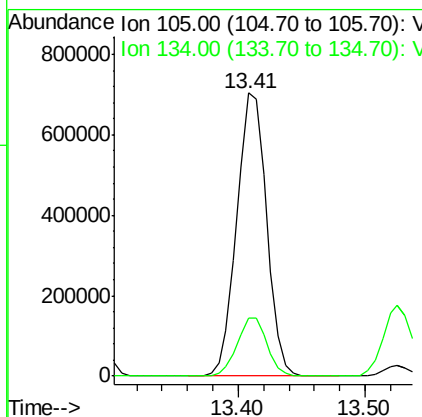
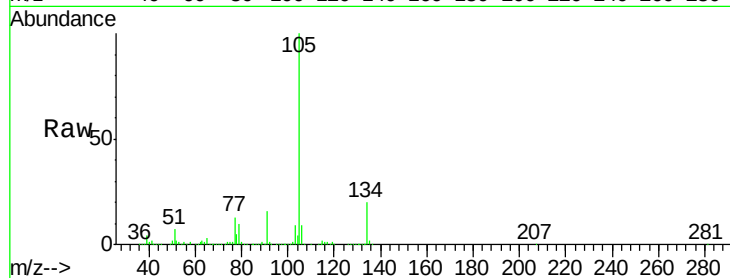
#85
 sec-Butylbenzene
 Concen: 56.962 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1145633
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.8

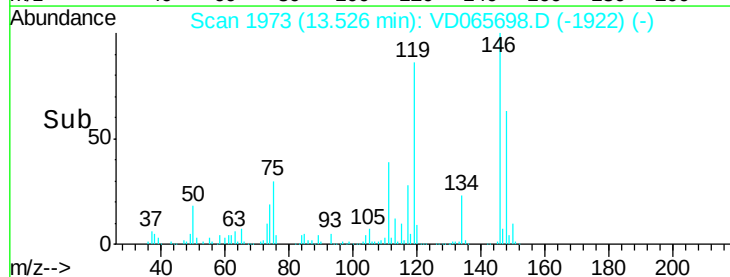
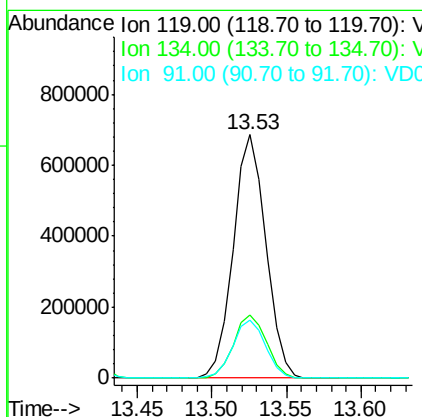
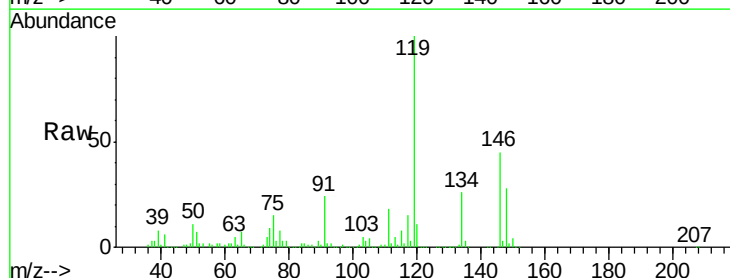
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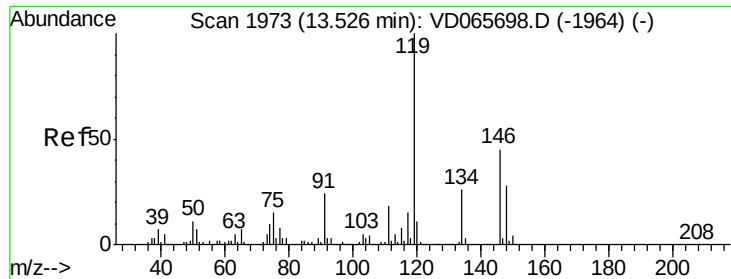
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#86
 p-Isopropyltoluene
 Concen: 56.573 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion:119 Resp: 1041355
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.6
 91 24.1 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 48.062 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

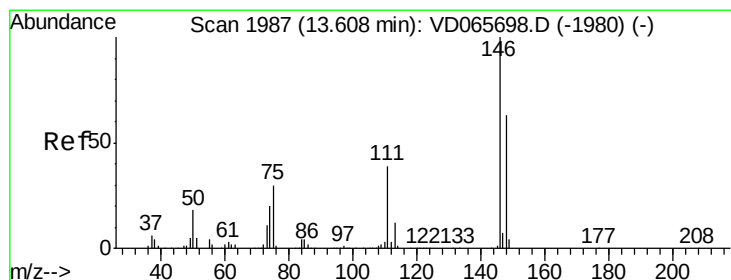
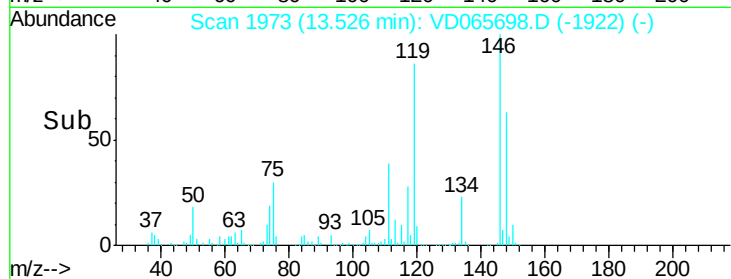
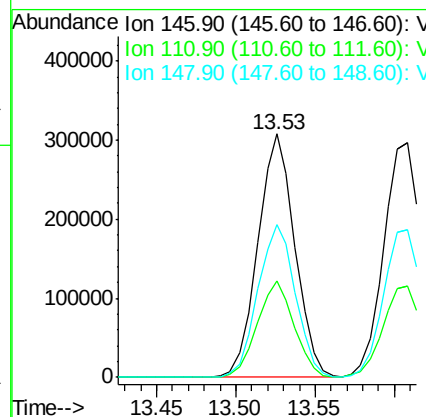
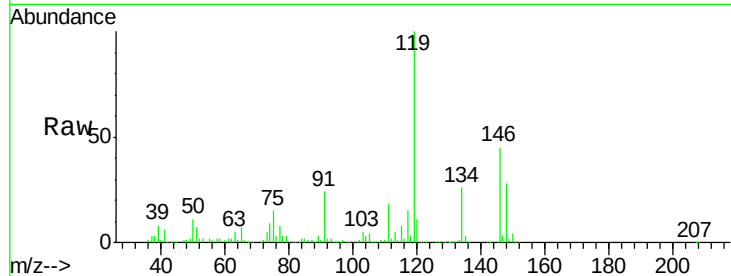
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	498861
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.6	58.8
148	63.8	31.9	95.7

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#88

1,4-Dichlorobenzene

Concen: 47.613 ug/l

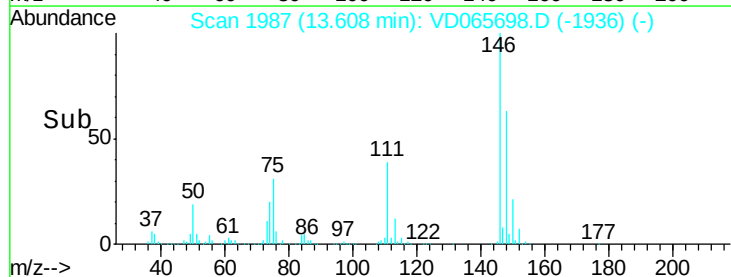
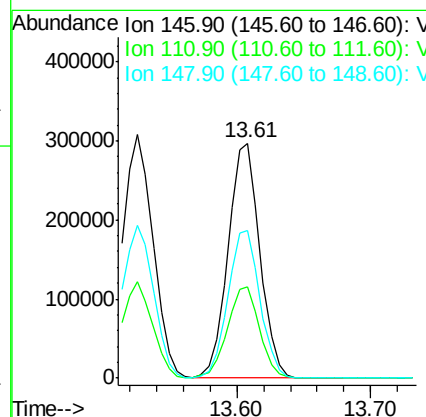
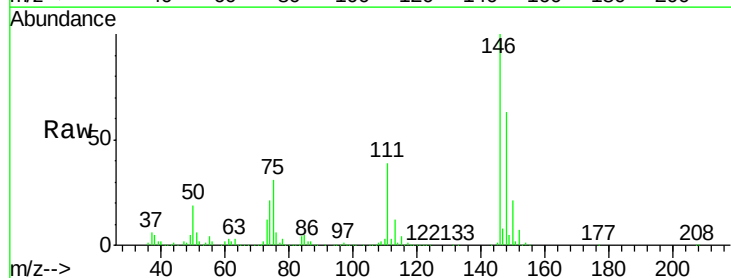
RT: 13.61 min Scan# 1987

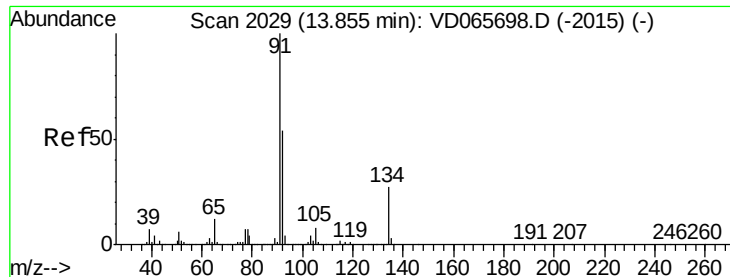
Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Tgt Ion:	146	Resp:	493255
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.6	58.7
148	63.7	31.9	95.5





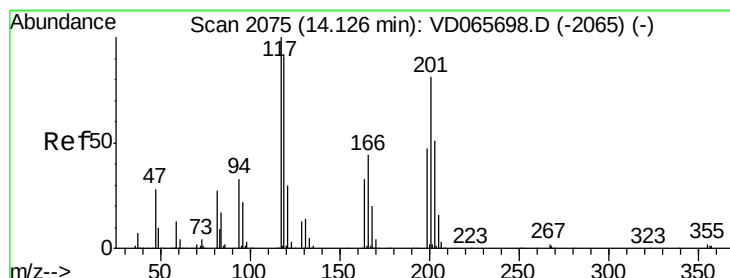
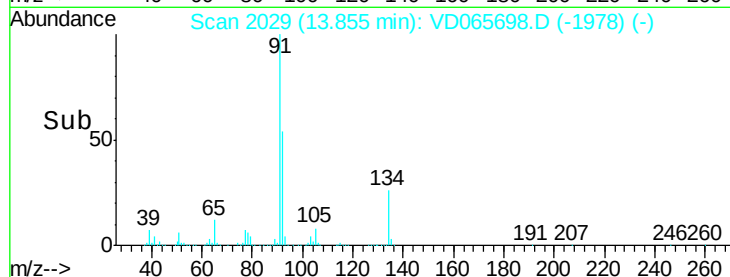
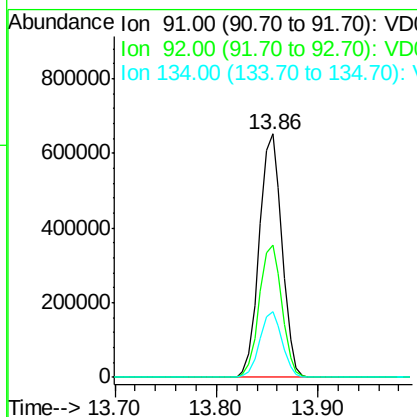
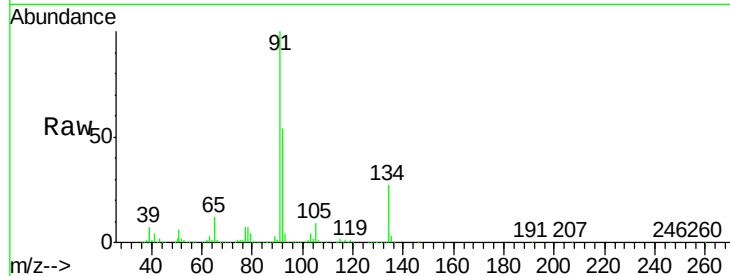
#89
n-Butylbenzene
Concen: 59.523 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.4	82.0
134	26.5	13.3	39.8

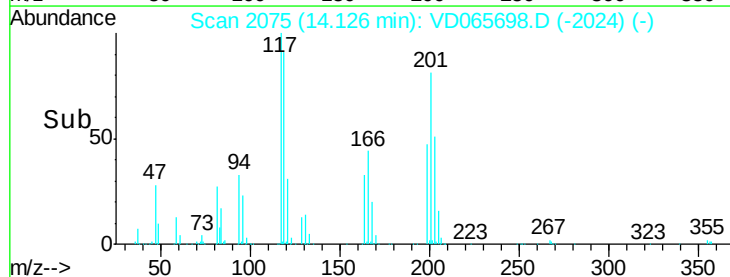
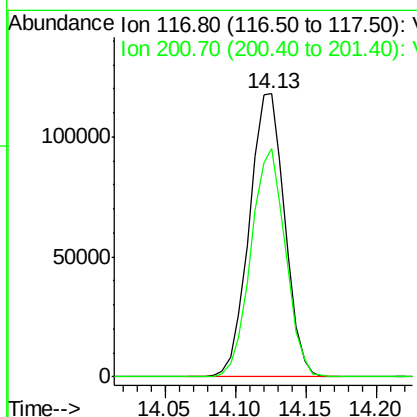
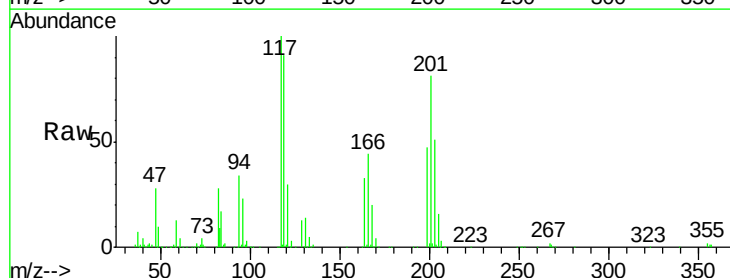
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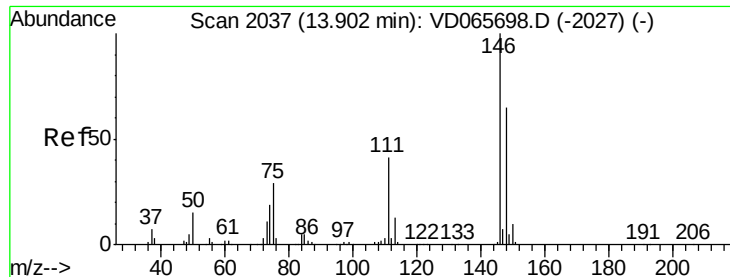
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#90
Hexachloroethane
Concen: 51.629 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.1	39.1	117.2





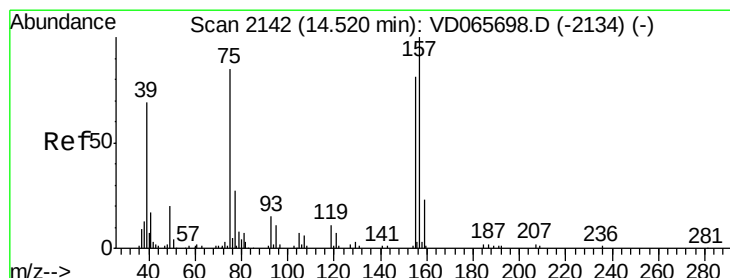
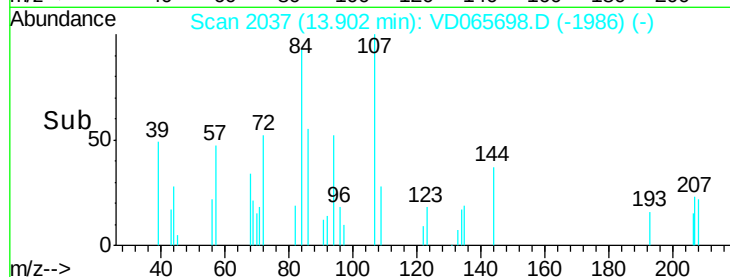
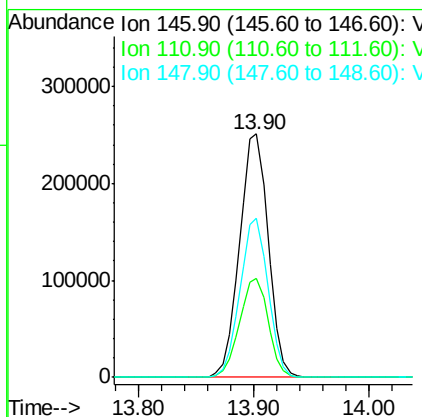
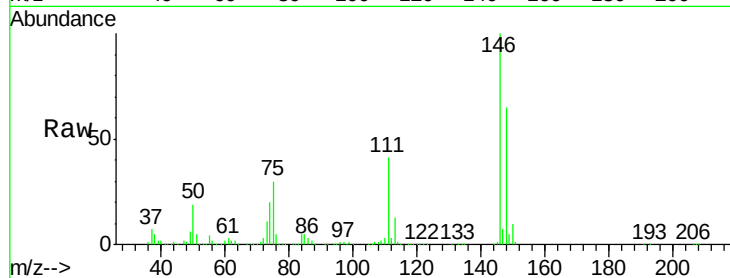
#91
 1,2-Dichlorobenzene
 Concen: 48.933 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	61.0
148	63.9	31.9	95.9

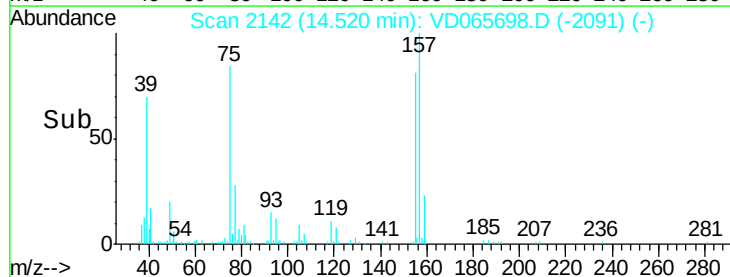
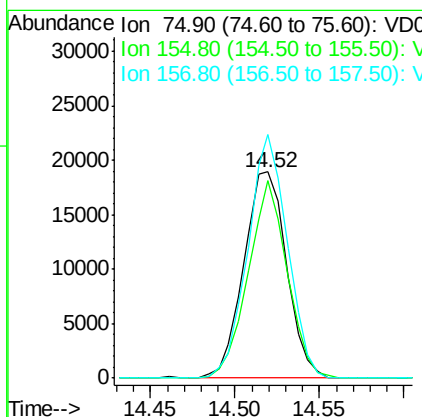
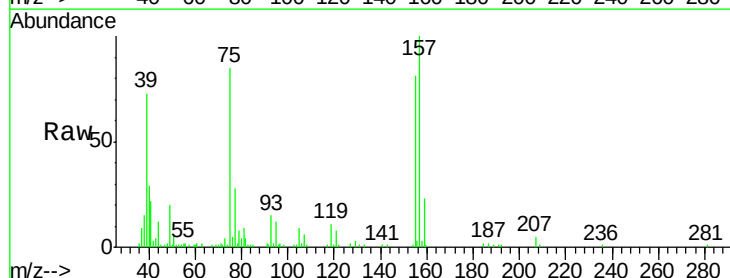
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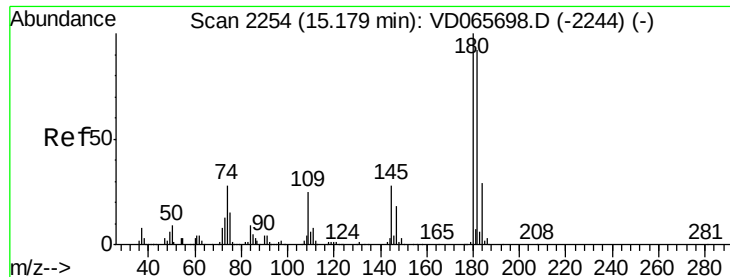
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.582 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	43.5	130.5
157	109.1	54.5	163.6





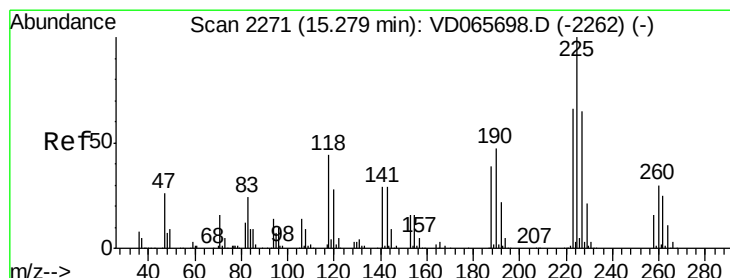
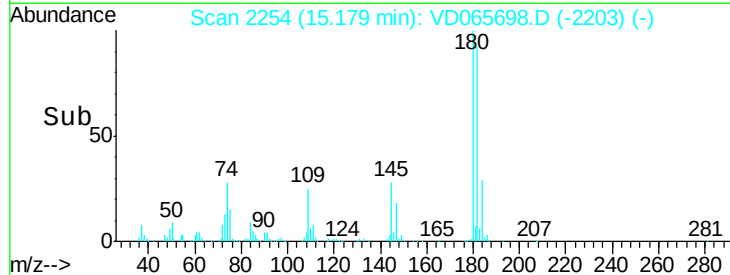
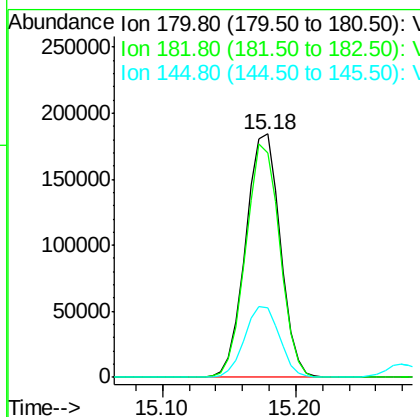
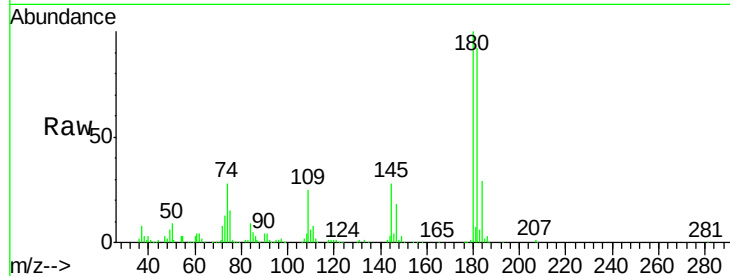
#93
 1,2,4-Trichlorobenzene
 Concen: 55.384 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:	180	Resp:	329238
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.0	141.0
145	29.5	14.8	44.3

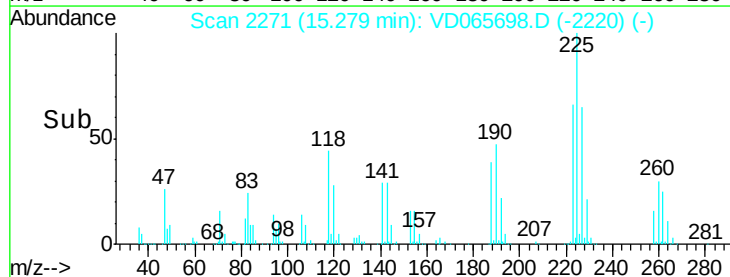
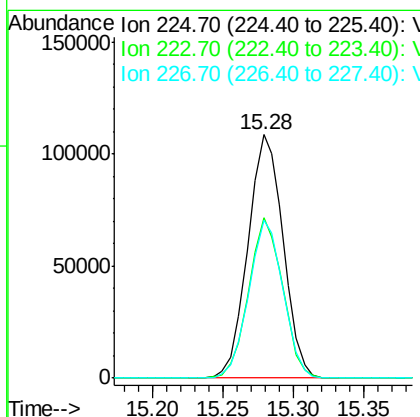
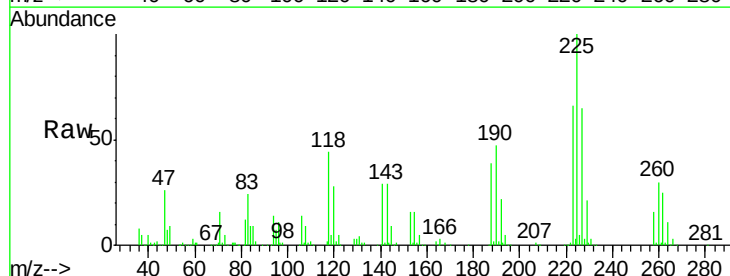
Manual Integrations
 APPROVED

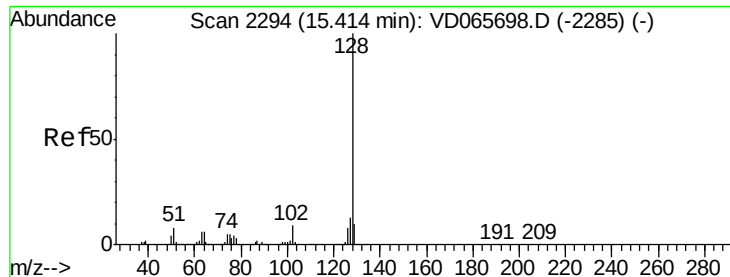
MMDadoda
 5/7/2020 10:35:59 AM



#94
 Hexachlorobutadiene
 Concen: 47.380 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion:	225	Resp:	190235
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.8	95.3
227	63.2	31.6	94.8





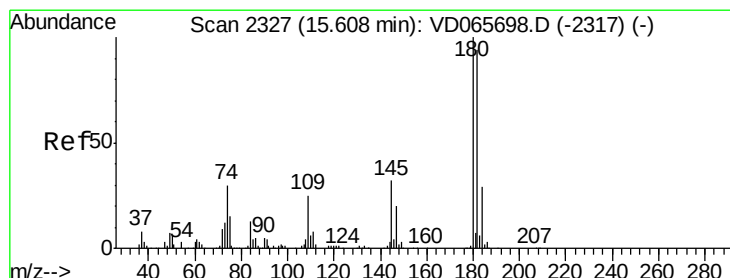
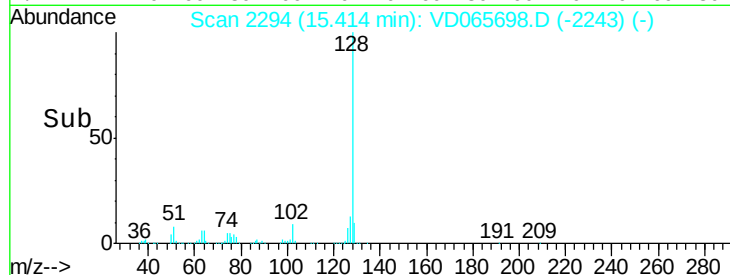
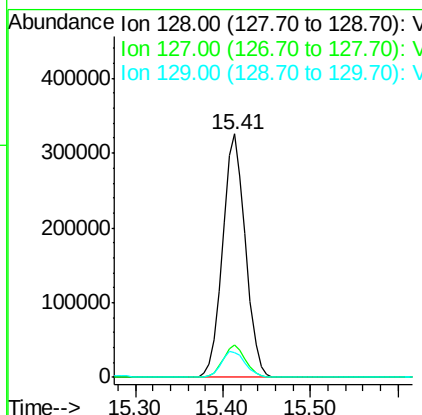
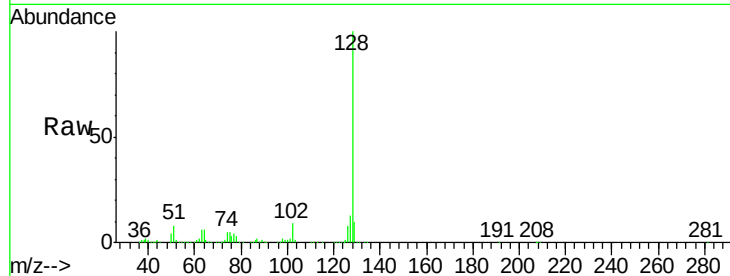
#95
Naphthalene
Concen: 65.139 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.2	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.623 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.9	140.6
145	31.9	16.0	47.9

