

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
 Data File : VD065696.D
 Acq On : 06 May 2020 14:44
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:35:56 AM

Quant Time: May 06 16:09:44 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	7.99	168	490881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	756088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	666147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316138	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	46238	9.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.38%	
35) Dibromofluoromethane	7.92	113	46459	8.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.88%	
50) Toluene-d8	10.34	98	179386	9.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.84%	
62) 4-Bromofluorobenzene	12.64	95	64616	10.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	37728	8.837	ug/l	97
3) Chloromethane	2.21	50	48564	9.016	ug/l	96
4) Vinyl Chloride	2.35	62	47672	9.395	ug/l	100
5) Bromomethane	2.77	94	32635	9.191	ug/l	98
6) Chloroethane	2.92	64	32368	10.249	ug/l	92
7) Trichlorofluoromethane	3.27	101	80446	10.271	ug/l	98
8) Diethyl Ether	3.71	74	25105	14.360	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	48139	9.559	ug/l	98
10) Methyl Iodide	4.30	142	40184	8.314	ug/l	99
11) Tert butyl alcohol	5.22	59	24194	91.985	ug/l #	84
12) 1,1-Dichloroethene	4.07	96	46773	9.962	ug/l	95
13) Acrolein	3.93	56	21772	64.392	ug/l	99
14) Allyl chloride	4.72	41	96619	13.158	ug/l	99
15) Acrylonitrile	5.43	53	59032	59.743	ug/l	98
16) Acetone	4.16	43	52429	57.919	ug/l	93
17) Carbon Disulfide	4.41	76	155391	9.980	ug/l	99
18) Methyl Acetate	4.72	43	24174	9.646	ug/l	93
19) Methyl tert-butyl Ether	5.47	73	114459	12.110	ug/l	99
20) Methylene Chloride	4.97	84	55373	10.000	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	53683	10.192	ug/l	98
22) Diisopropyl ether	6.36	45	176292	12.620	ug/l	97
23) Vinyl Acetate	6.31	43	525512	68.819	ug/l	99
24) 1,1-Dichloroethane	6.27	63	98658	10.964	ug/l	99
25) 2-Butanone	7.22	43	77843	63.023	ug/l	95
26) 2,2-Dichloropropane	7.21	77	89419	11.085	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	57925	10.583	ug/l	96
28) Bromochloromethane	7.56	49	38172	10.345	ug/l	98
29) Tetrahydrofuran	7.57	42	49008	63.316	ug/l	98
30) Chloroform	7.71	83	92603	9.980	ug/l	98
31) Cyclohexane	7.99	56	103988	12.261	ug/l #	94
32) 1,1,1-Trichloroethane	7.91	97	87367	10.384	ug/l	98
36) 1,1-Dichloropropene	8.11	75	78470	10.276	ug/l	98
37) Ethyl Acetate	7.30	43	38705	12.871	ug/l #	96
38) Carbon Tetrachloride	8.10	117	76651	9.378	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	97659	11.247	ug/l	98
40) Benzene	8.36	78	213554	9.868	ug/l	99
41) Methacrylonitrile	7.53	41	23121	13.850	ug/l	90
42) 1,2-Dichloroethane	8.43	62	62109	10.140	ug/l	96
43) Isopropyl Acetate	8.46	43	74512	13.317	ug/l	100
44) Trichloroethene	9.11	130	58533	9.458	ug/l	93
45) 1,2-Dichloropropane	9.40	63	55512	10.389	ug/l	93
46) Dibromomethane	9.48	93	27518	9.642	ug/l	97
47) Bromodichloromethane	9.67	83	73998	9.920	ug/l	98
48) Methyl methacrylate	9.46	41	37161	14.054	ug/l	96
49) 1,4-Dioxane	9.47	88	6726	215.642	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	178162	62.743	ug/l	100
52) Toluene	10.41	92	132206	9.710	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	73966	10.941	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	86549	10.543	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	36128	9.058	ug/l	91
56) Ethyl methacrylate	10.67	69	53836	12.772	ug/l	97
57) 1,3-Dichloropropane	10.95	76	67732	10.155	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	118198	54.429	ug/l	97
59) 2-Hexanone	10.99	43	123592	65.118	ug/l	98
60) Dibromochloromethane	11.14	129	50088	9.496	ug/l	99
61) 1,2-Dibromoethane	11.25	107	36231	9.484	ug/l	96
64) Tetrachloroethene	10.88	164	50049	9.755	ug/l	96
65) Chlorobenzene	11.68	112	138487	9.855	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	51409	9.620	ug/l	98
67) Ethyl Benzene	11.75	91	260845	11.125	ug/l	98
68) m/p-Xylenes	11.86	106	196673	21.556	ug/l	99
69) o-Xylene	12.18	106	91354	11.453	ug/l	97
70) Styrene	12.20	104	156694	11.217	ug/l	99
71) Bromoform	12.37	173	29192	9.655	ug/l #	100
73) Isopropylbenzene	12.48	105	249931	12.347	ug/l	99
74) N-amyl acetate	12.30	43	71888	16.035	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	42500	11.323	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	29339m	11.446	ug/l	
77) Bromobenzene	12.77	156	56445	10.372	ug/l	99
78) n-propylbenzene	12.83	91	295195	12.094	ug/l	100
79) 2-Chlorotoluene	12.91	91	166089	11.851	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	204688	12.015	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	15620	13.585	ug/l	96
82) 4-Chlorotoluene	13.01	91	174704	11.630	ug/l	99
83) tert-Butylbenzene	13.23	119	174224	12.290	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	204449	12.131	ug/l	99
85) sec-Butylbenzene	13.41	105	242989	11.955	ug/l	100
86) p-Isopropyltoluene	13.53	119	223538	12.017	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	108506	10.344	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	105691	10.095	ug/l	97
89) n-Butylbenzene	13.86	91	216651	12.657	ug/l	99
90) Hexachloroethane	14.12	117	44718	10.962	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	93348	10.444	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	6587	11.039	ug/l	92

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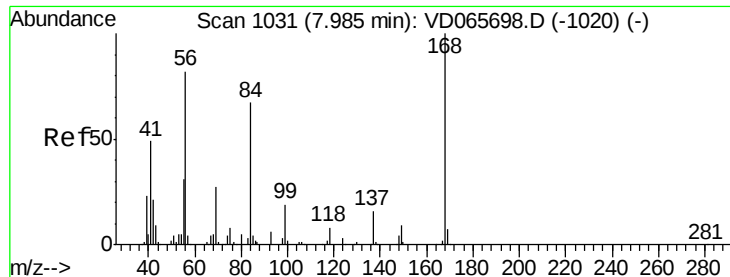
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	67976	11.315	ug/l	97
94) Hexachlorobutadiene	15.28	225	39586	9.756	ug/l	98
95) Naphthalene	15.41	128	120442	13.340	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	58366	11.272	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 490881

Ion Ratio Lower Upper

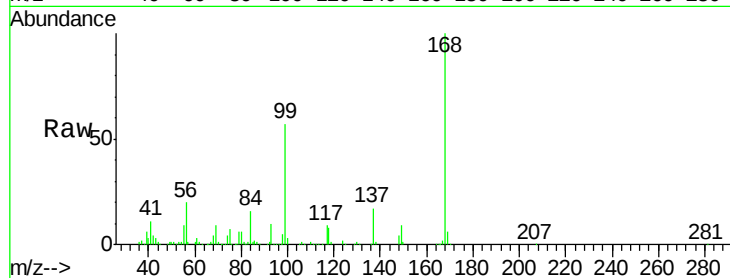
168 100

99 56.6 44.2 66.4

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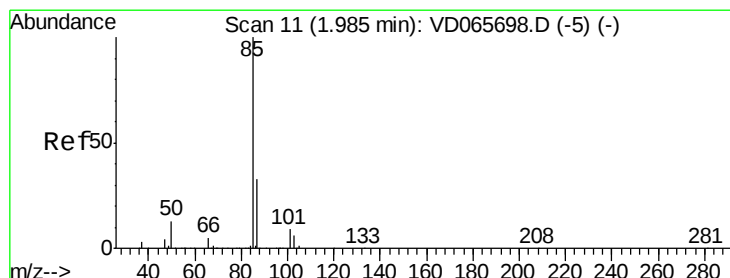
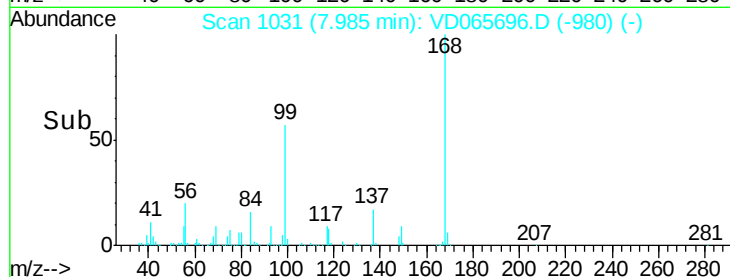
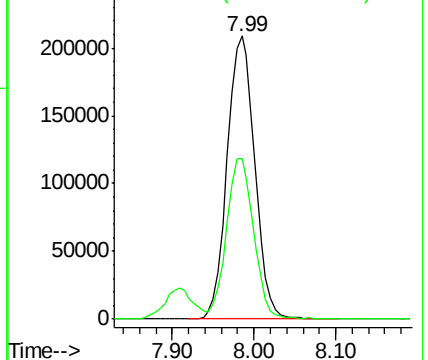
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 8.837 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065696.D

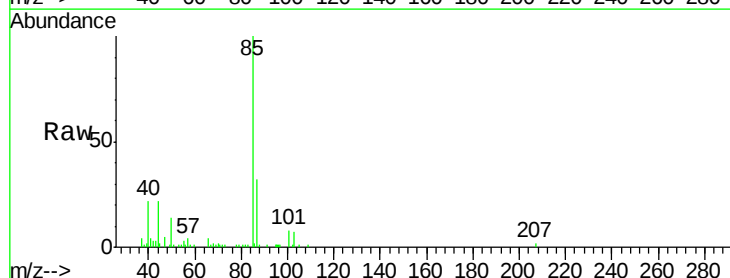
Acq: 06 May 2020 14:44

Tgt Ion: 85 Resp: 37728

Ion Ratio Lower Upper

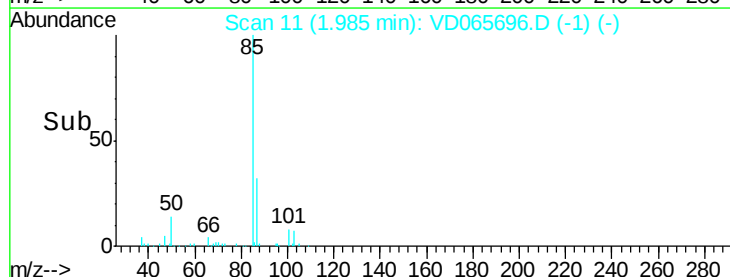
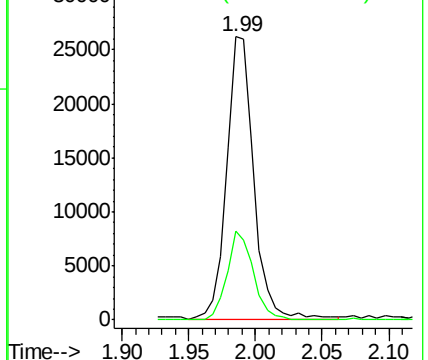
85 100

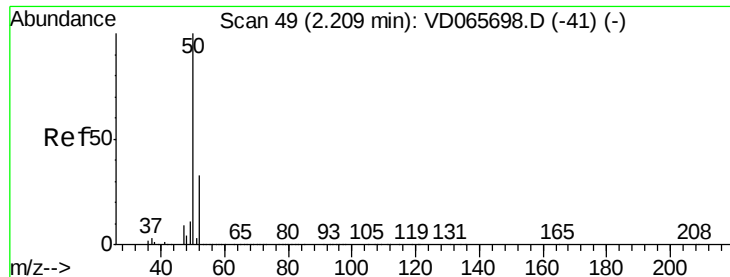
87 31.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 9.016 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 48564

Ion Ratio Lower Upper

50 100

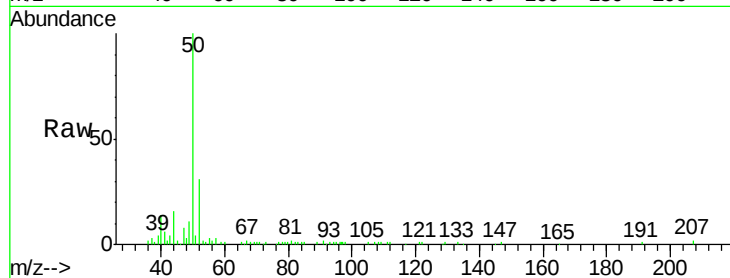
52 30.2 26.1 39.1

Manual Integrations

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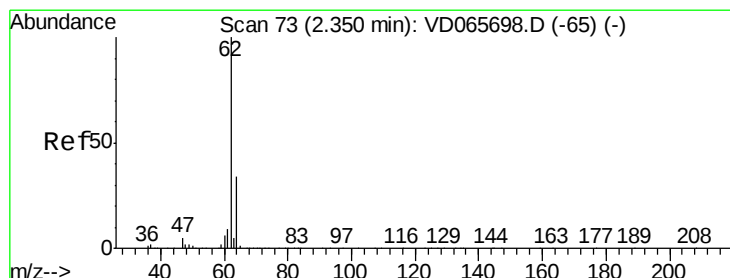
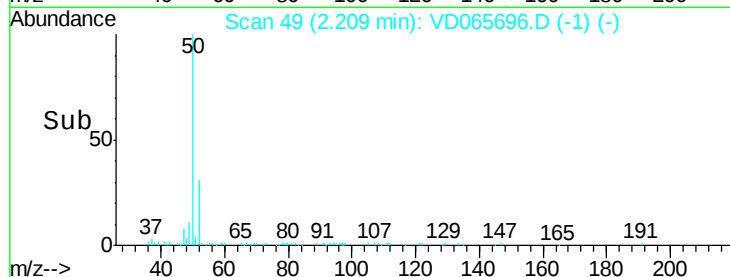
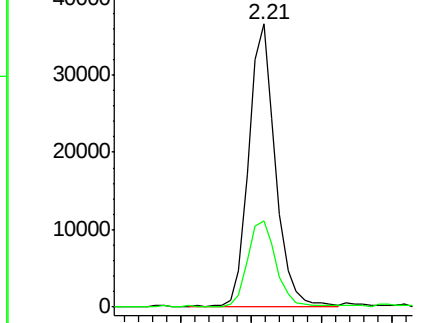
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 9.395 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065696.D

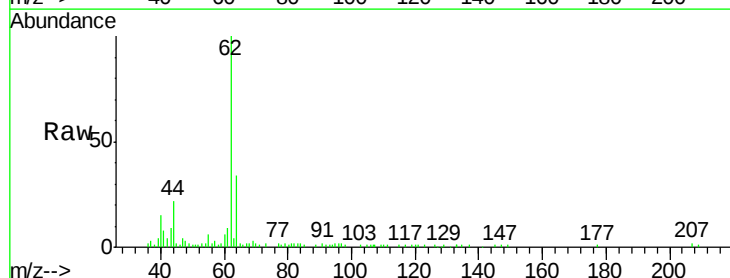
Acq: 06 May 2020 14:44

Tgt Ion: 62 Resp: 47672

Ion Ratio Lower Upper

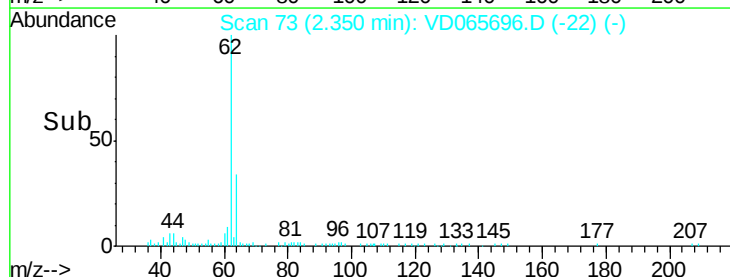
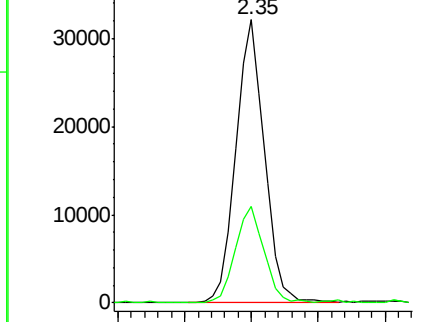
62 100

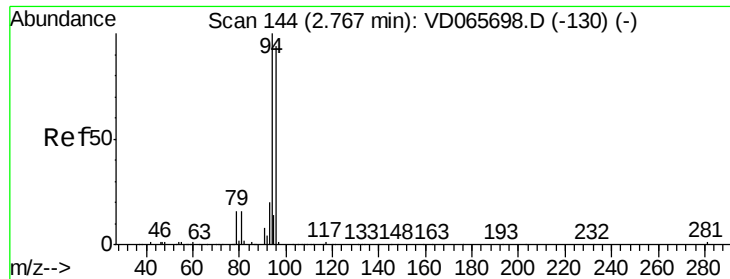
64 34.2 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 9.191 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 32635

Ion Ratio Lower Upper

94 100

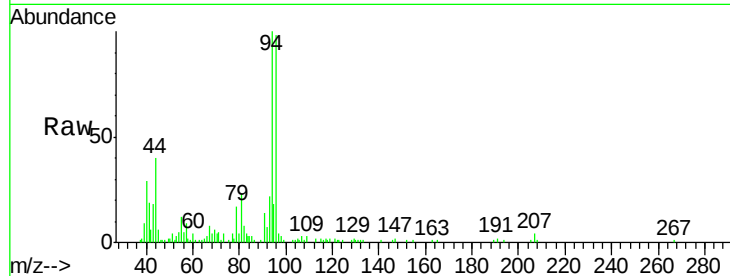
96 96.1 75.0 112.6

Manual Integrations

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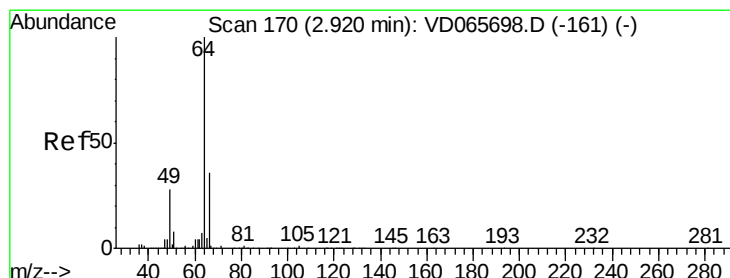
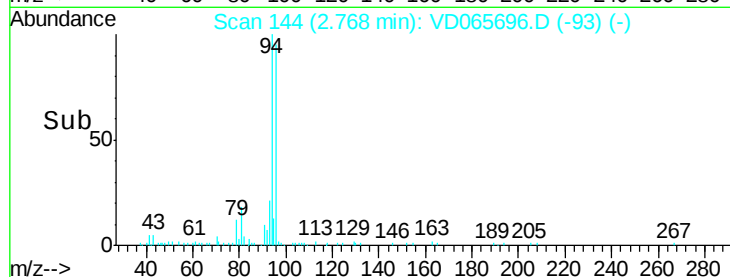
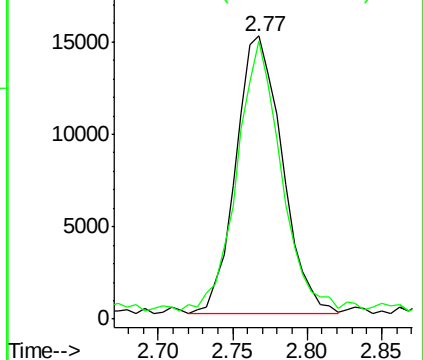
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 10.249 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065696.D

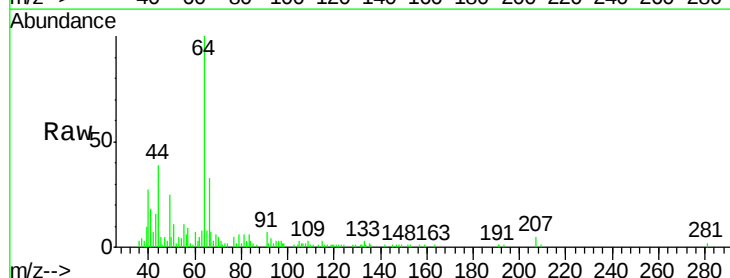
Acq: 06 May 2020 14:44

Tgt Ion: 64 Resp: 32368

Ion Ratio Lower Upper

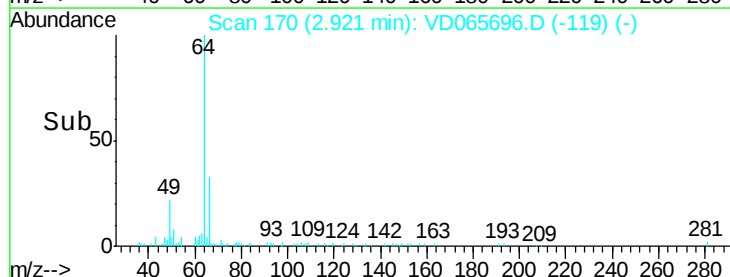
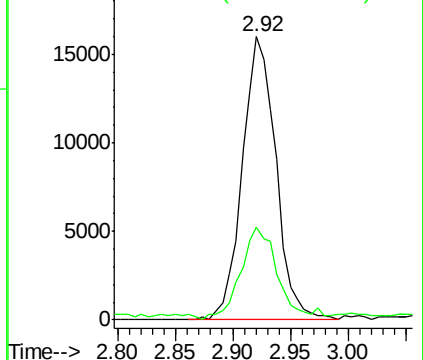
64 100

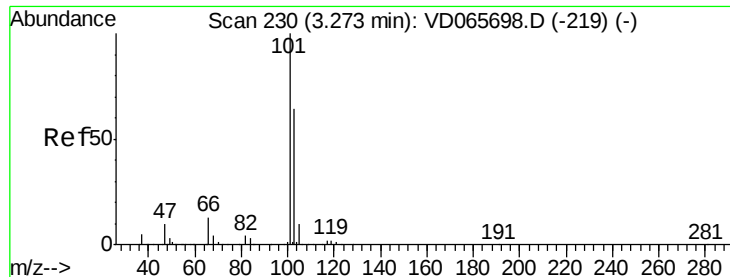
66 30.7 28.5 42.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

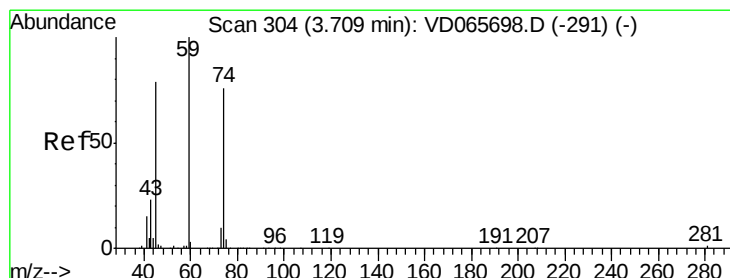
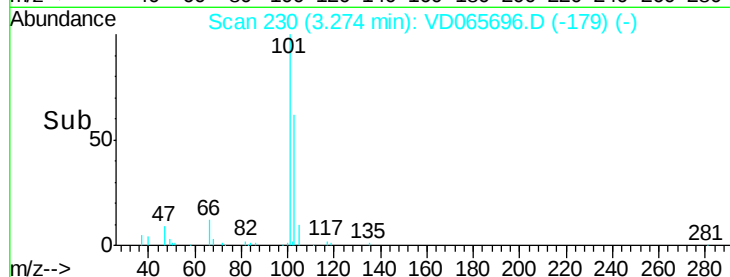
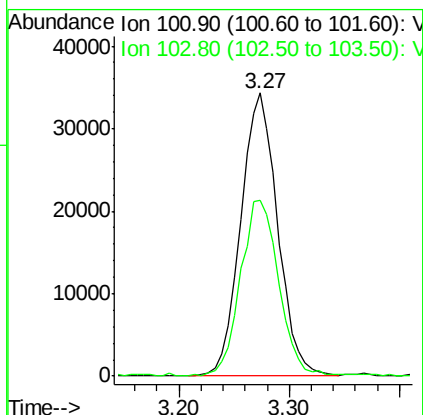
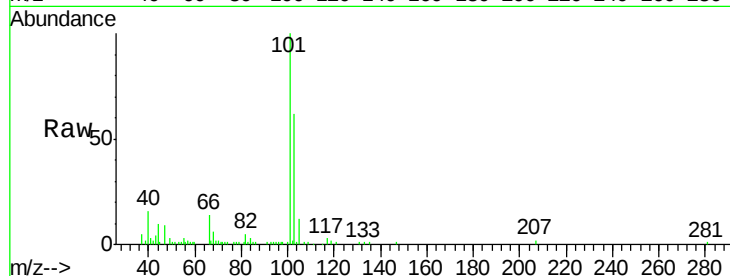
Trichlorofluoromethane
Concen: 10.271 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.1	76.7

Manual Integrations
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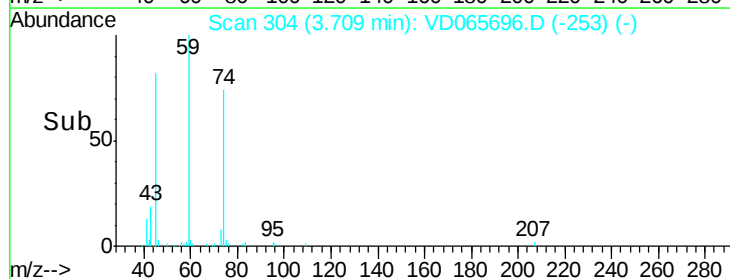
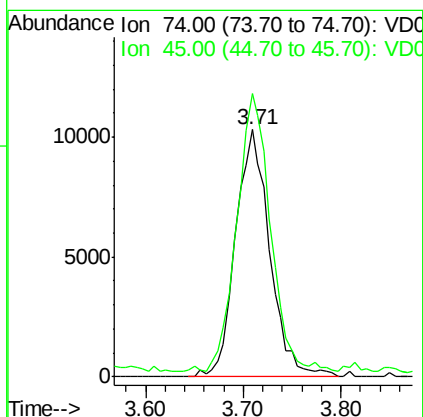
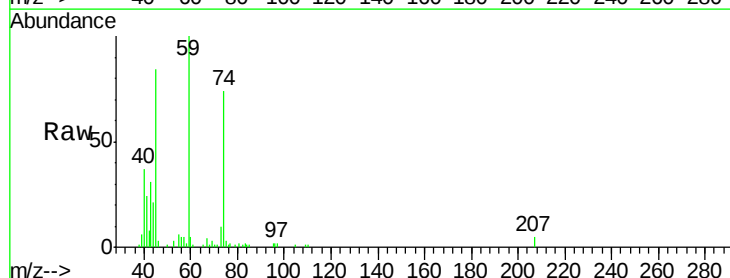
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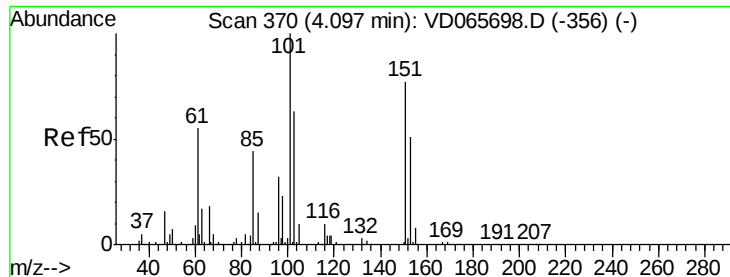


#8

Diethyl Ether
Concen: 14.360 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.3	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.559 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

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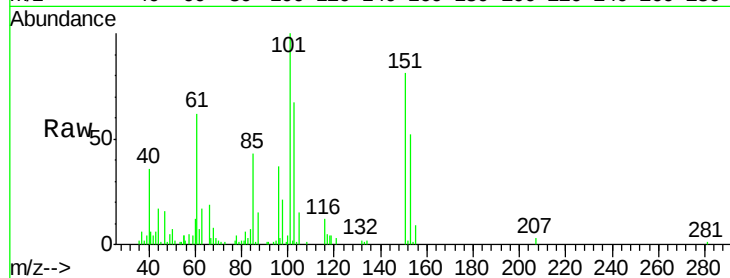
ClientSampleId :

VSTDIC010

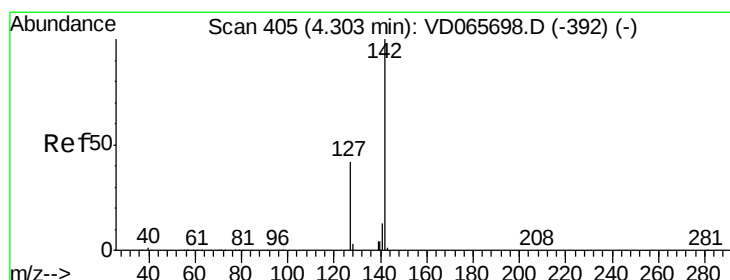
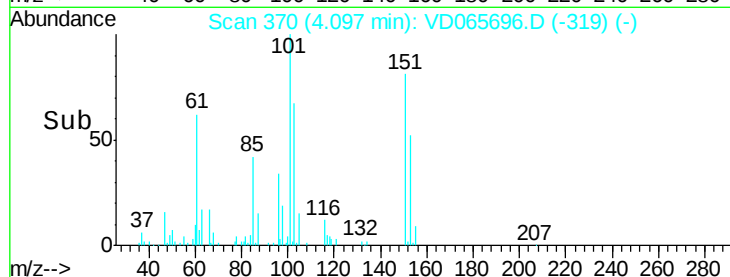
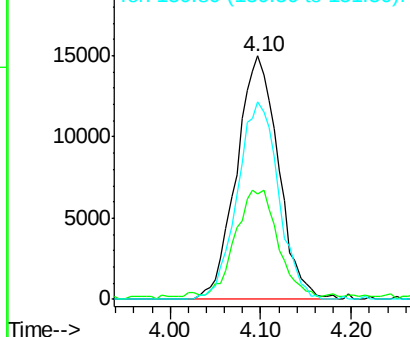
Tot Ion:	101	Resp:	48139
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.4	51.6
151	79.7	63.0	94.4

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.314 ug/l

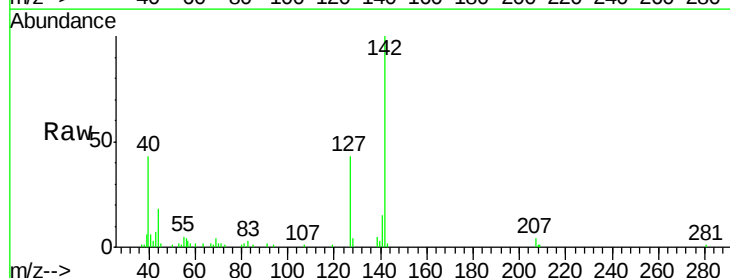
RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

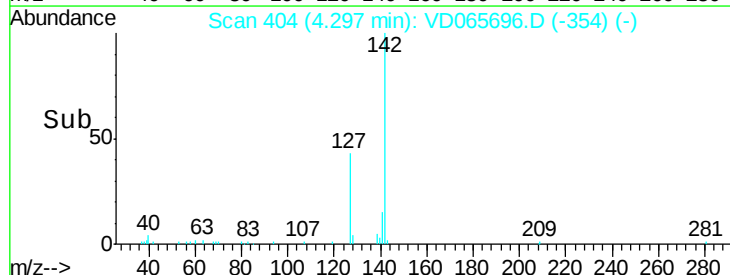
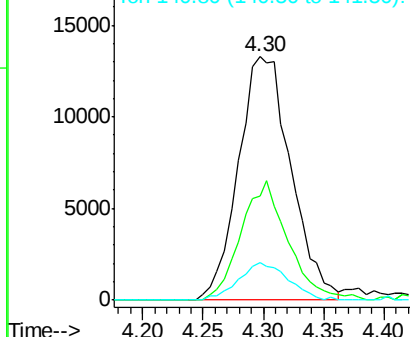
Lab File: VD065696.D

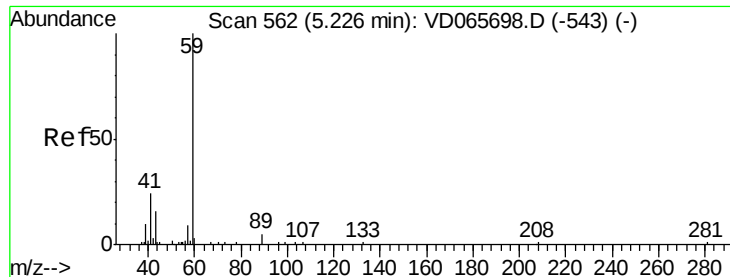
Acq: 06 May 2020 14:44

Tgt Ion:	142	Resp:	40184
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.5	51.7
141	14.5	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

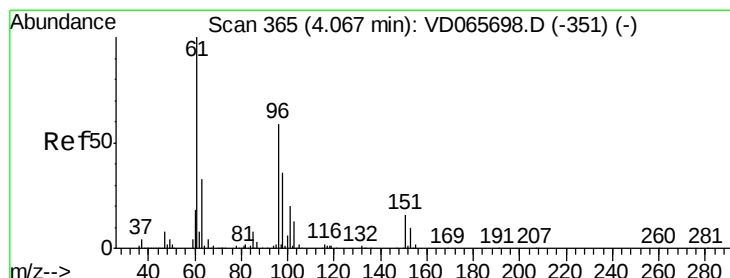
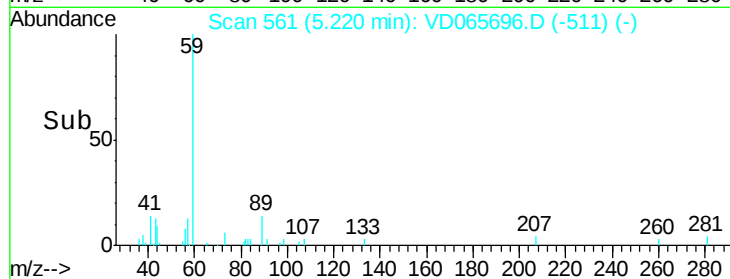
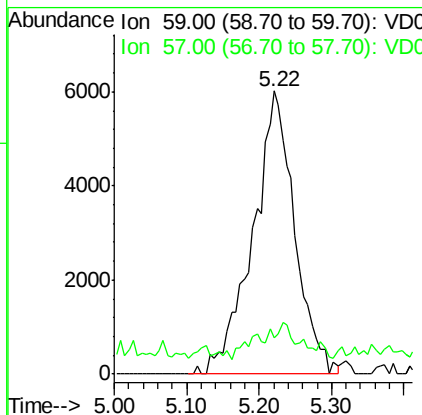
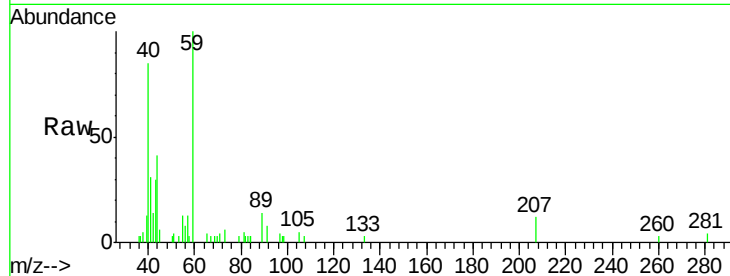
Tert butyl alcohol
 Concen: 91.985 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD065696.D
 Acq: 06 May 2020 14:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 59 Resp: 24194
 Ion Ratio Lower Upper
 59 100
 57 5.0 8.7 13.1#

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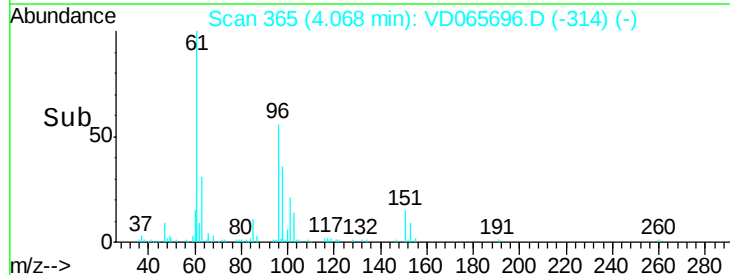
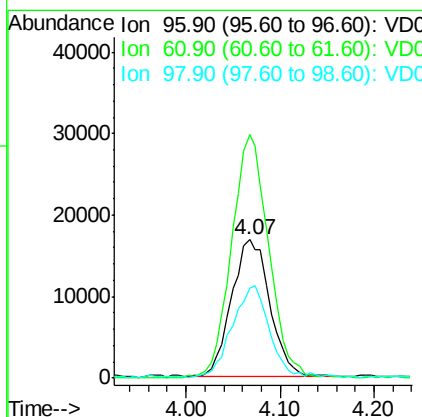
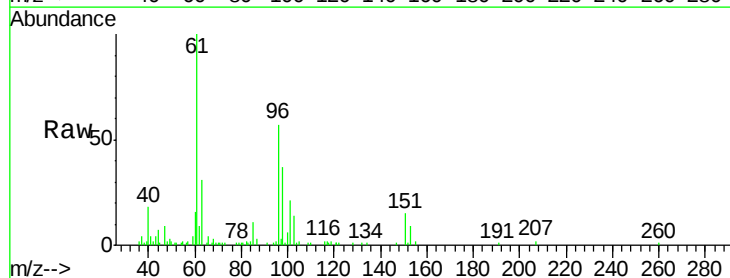
MMDadoda
 5/7/2020 10:35:56 AM

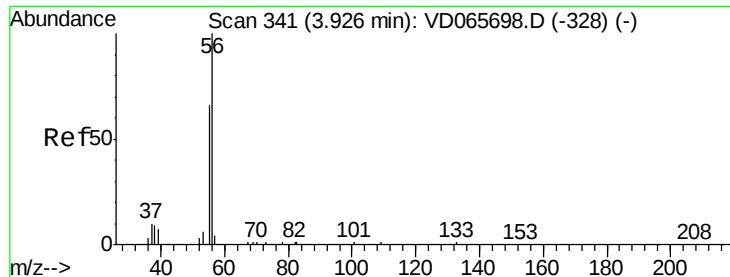


#12

1,1-Dichloroethene
 Concen: 9.962 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065696.D
 Acq: 06 May 2020 14:44

Tgt Ion: 96 Resp: 46773
 Ion Ratio Lower Upper
 96 100
 61 176.9 136.0 204.0
 98 65.5 49.7 74.5





#13

Acrolein

Concen: 64.392 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 21772

Ion Ratio Lower Upper

56 100

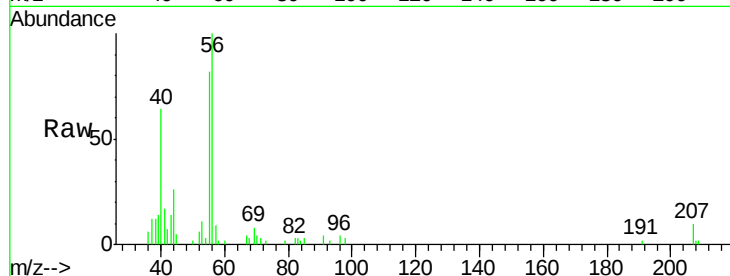
55 72.1 56.7 85.1

Manual Integrations

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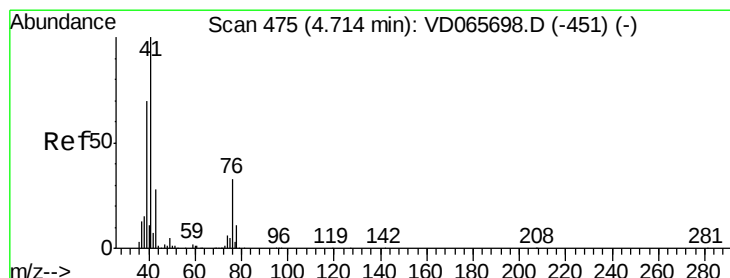
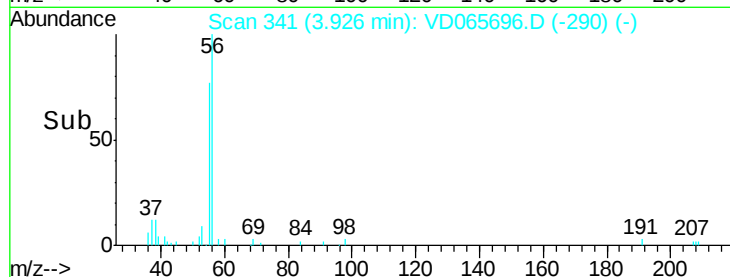
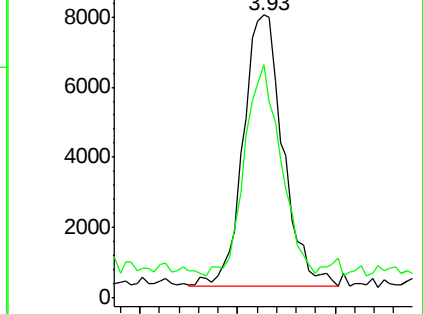
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 13.158 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

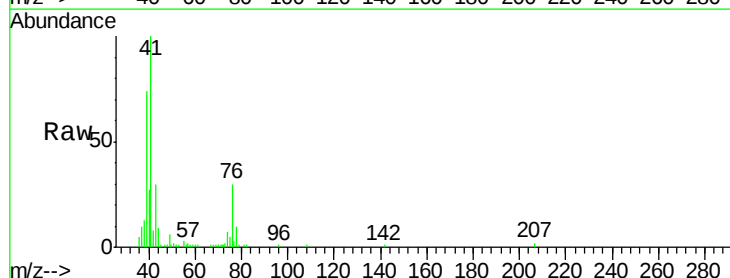
Tgt Ion: 41 Resp: 96619

Ion Ratio Lower Upper

41 100

39 71.0 55.6 83.4

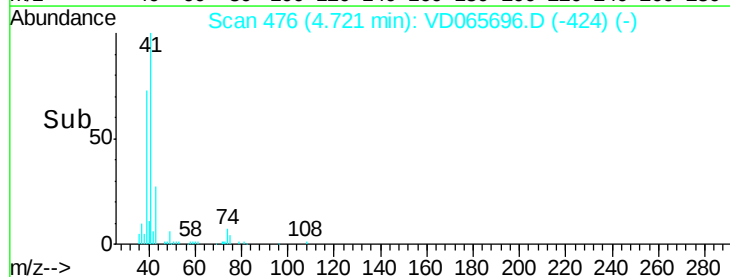
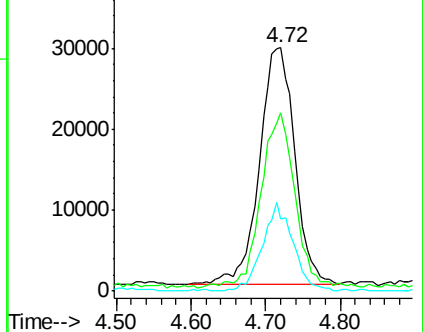
76 31.9 25.6 38.4

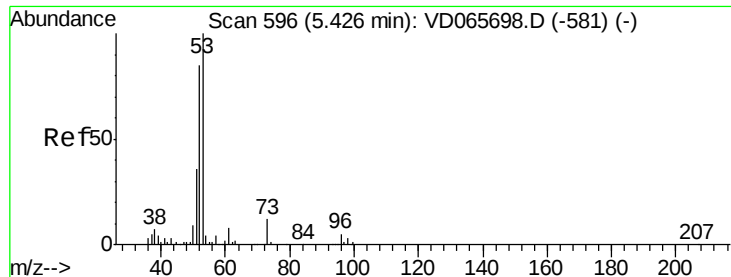


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 59.743 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

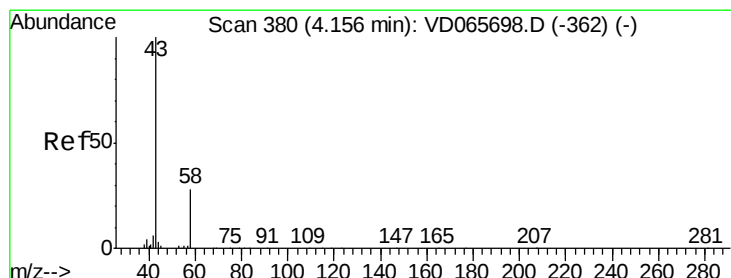
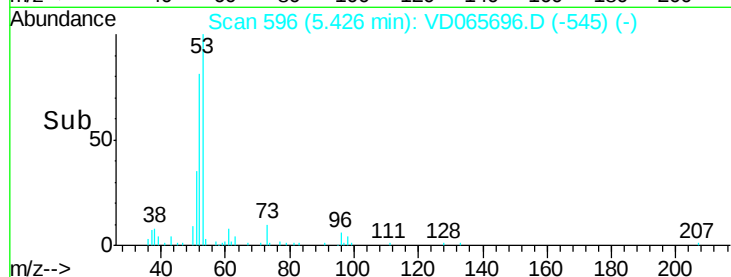
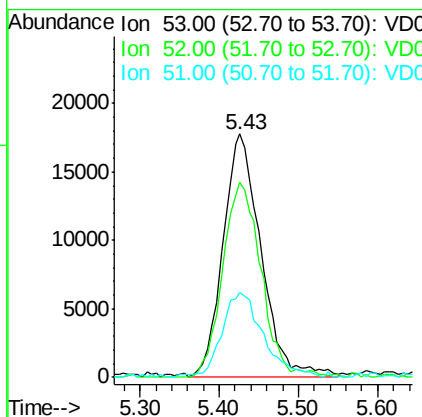
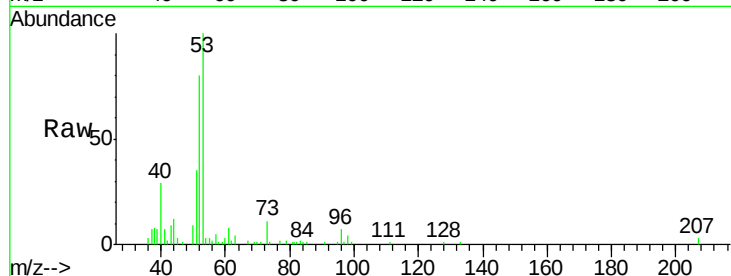
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	59032
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.2	99.2
51	38.0	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 57.919 ug/l

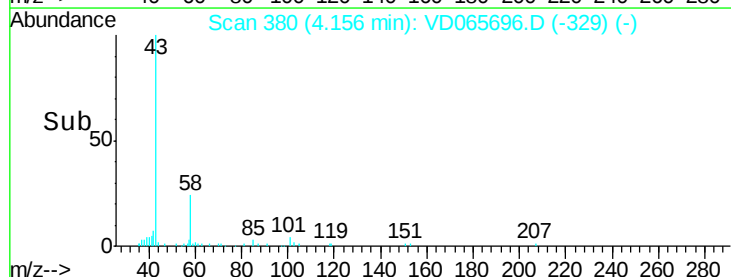
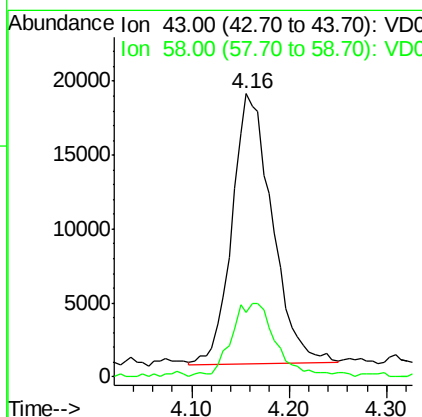
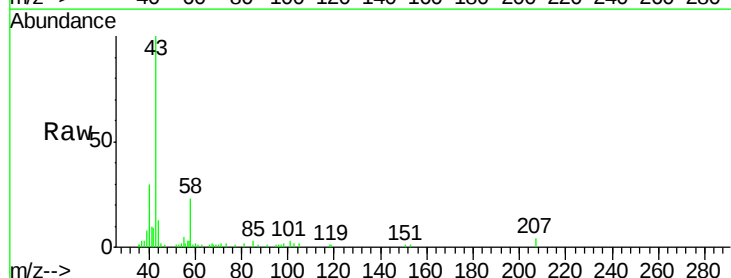
RT: 4.16 min Scan# 380

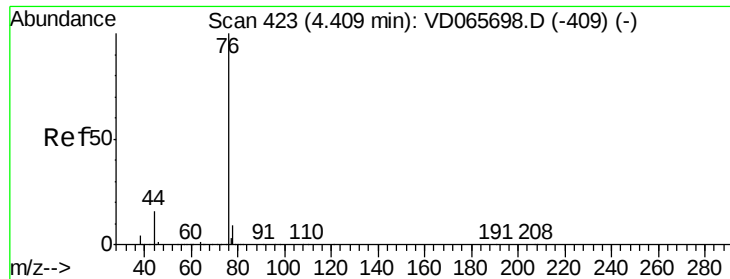
Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Tgt Ion:	43	Resp:	52429
Ion	Ratio	Lower	Upper
43	100		
58	24.2	22.5	33.7





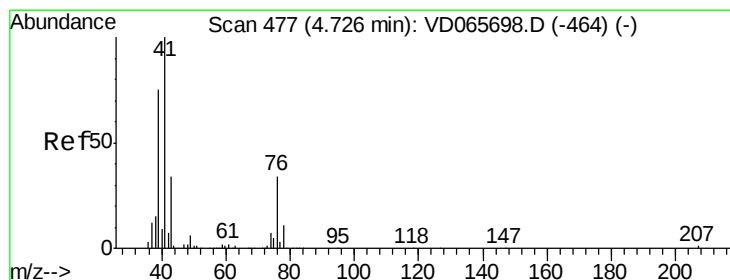
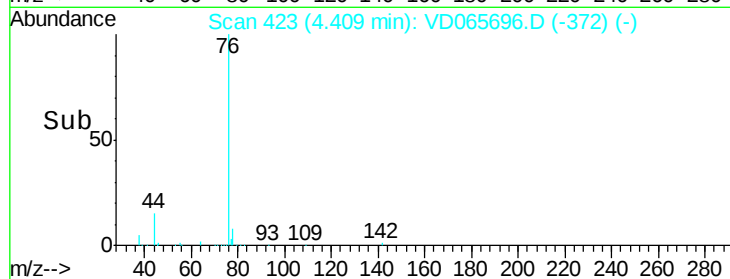
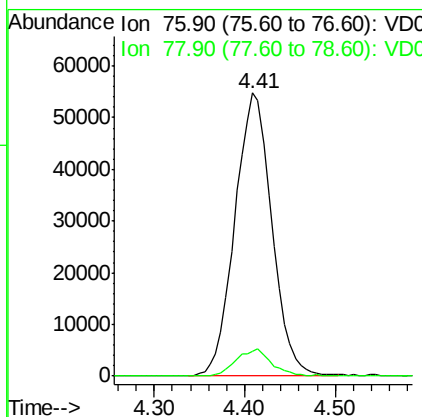
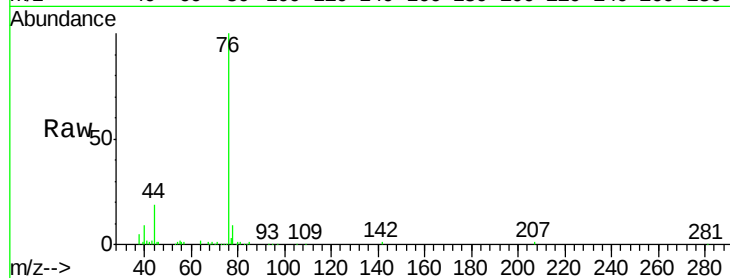
#17
Carbon Disulfide
Concen: 9.980 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.8	10.2

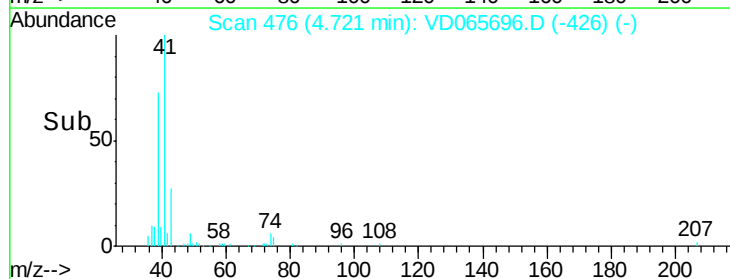
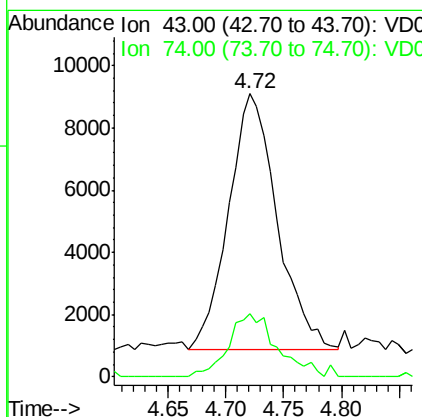
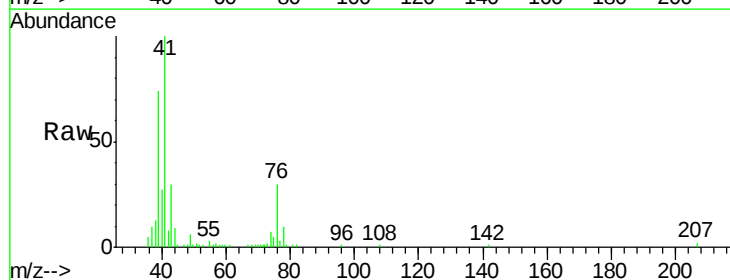
Manual Integrations
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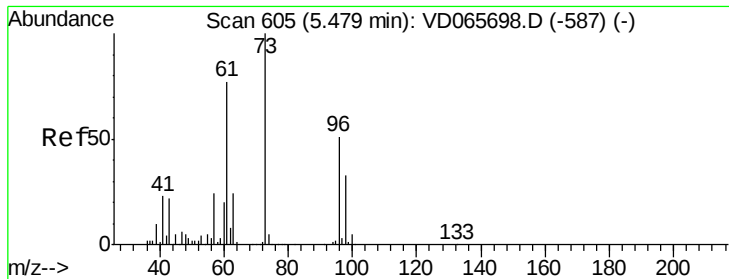
MMDadoda
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#18
Methyl Acetate
Concen: 9.646 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	17.1	25.7





#19

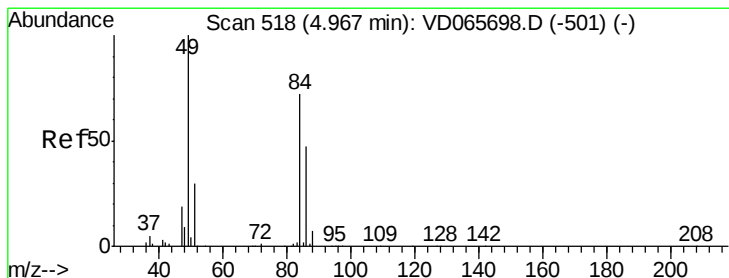
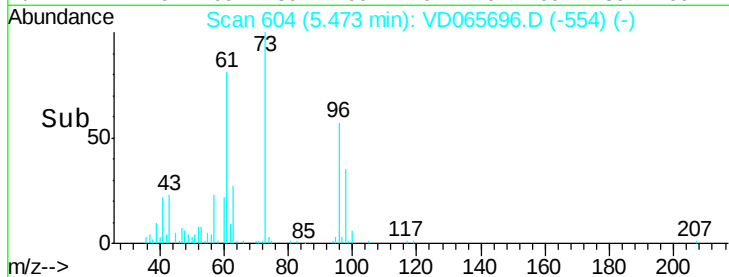
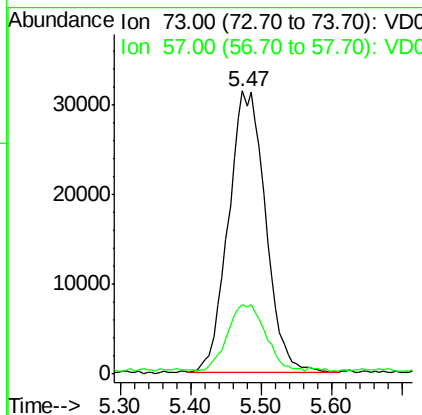
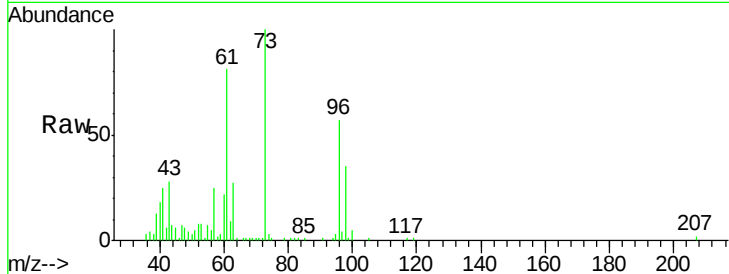
Methyl tert-butyl Ether
 Concen: 12.110 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD065696.D
 Acq: 06 May 2020 14:44

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.4	29.0

Manual Integrations
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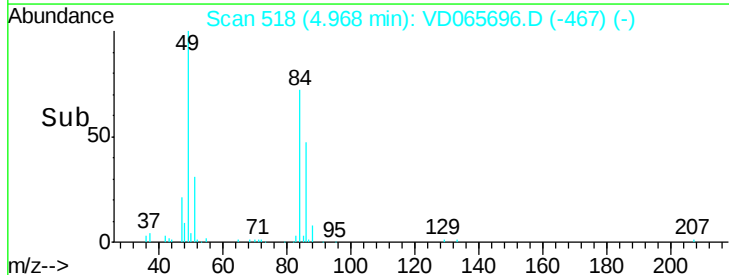
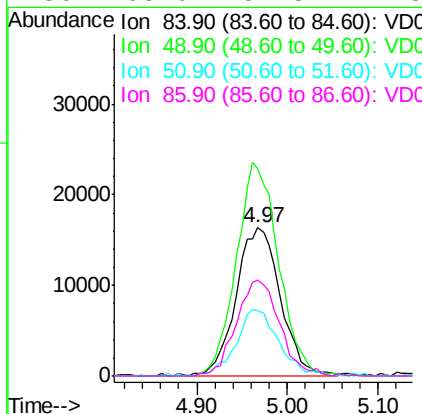
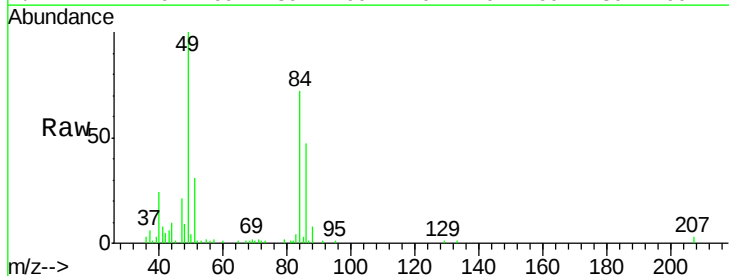
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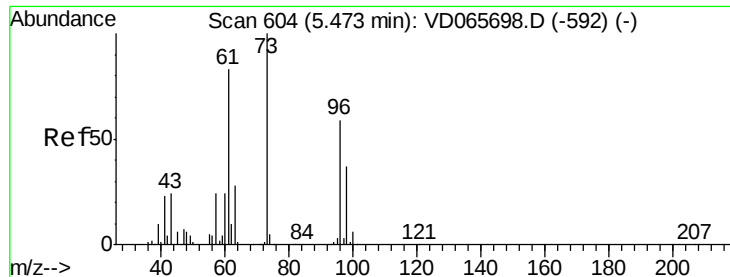


#20

Methylene Chloride
 Concen: 10.000 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065696.D
 Acq: 06 May 2020 14:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.5	110.4	165.6
51	42.4	33.4	50.2
86	65.0	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 10.192 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

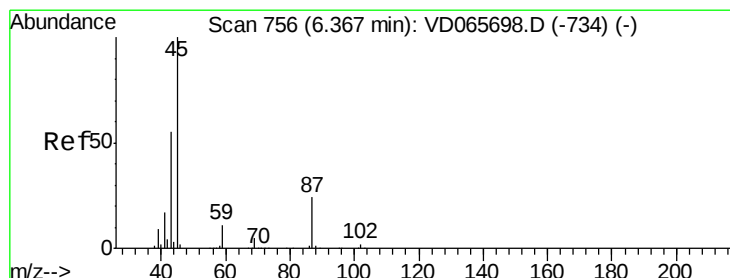
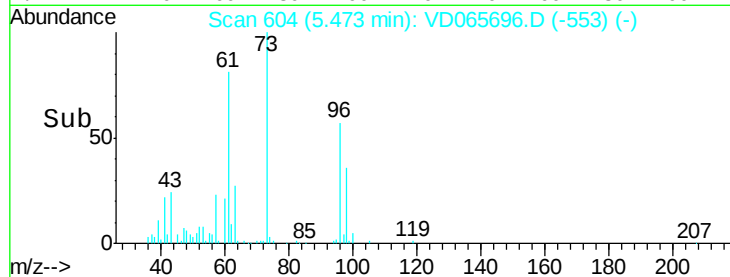
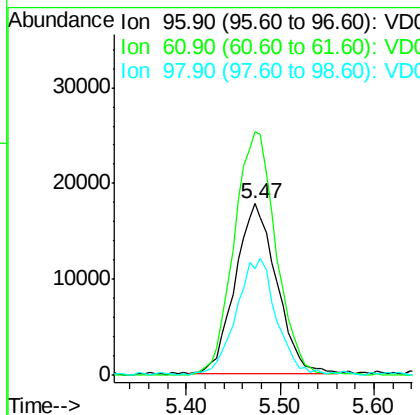
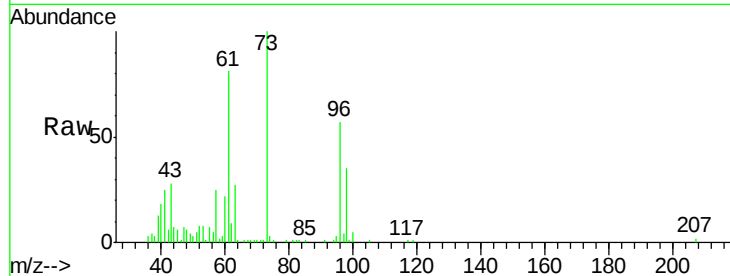
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	53683
Ion	Ratio	Lower	Upper
96	100		
61	143.7	113.0	169.4
98	63.0	49.5	74.3

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#22

Diisopropyl ether

Concen: 12.620 ug/l

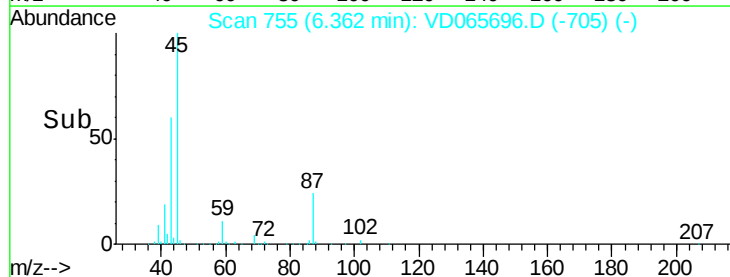
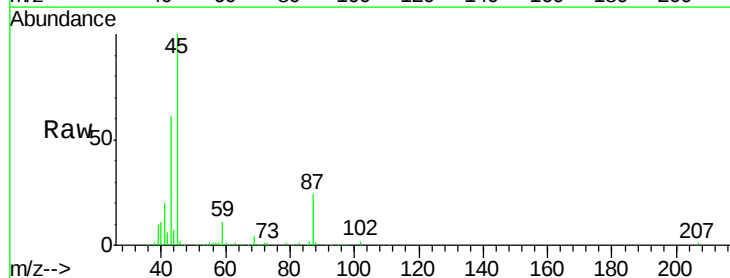
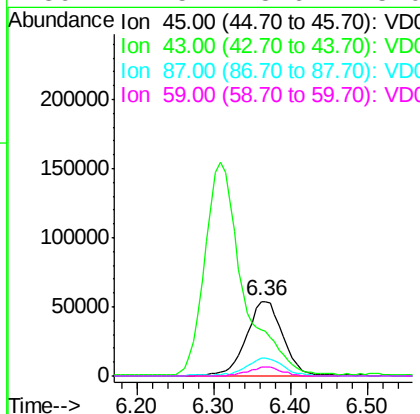
RT: 6.36 min Scan# 755

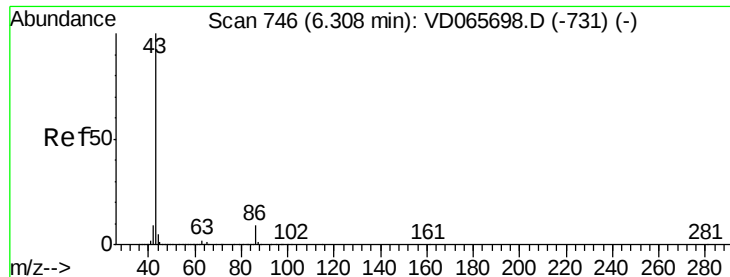
Delta R.T. -0.01 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Tgt Ion:	45	Resp:	176292
Ion	Ratio	Lower	Upper
45	100		
43	59.0	44.2	66.4
87	23.8	19.0	28.4
59	11.5	8.6	13.0





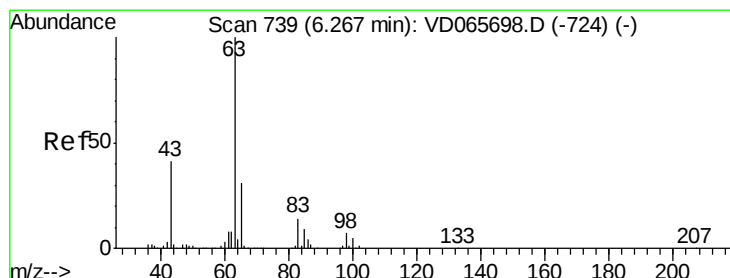
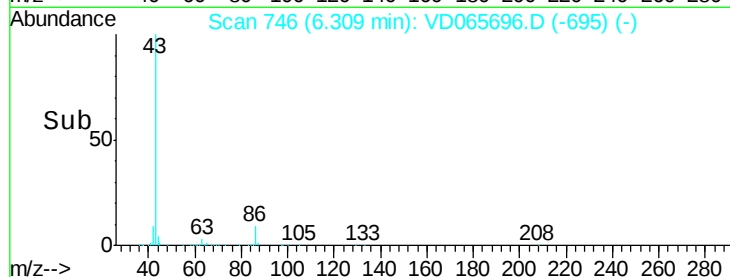
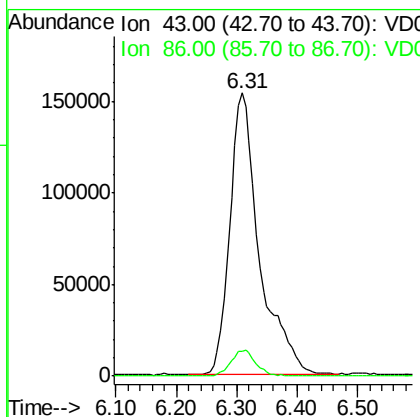
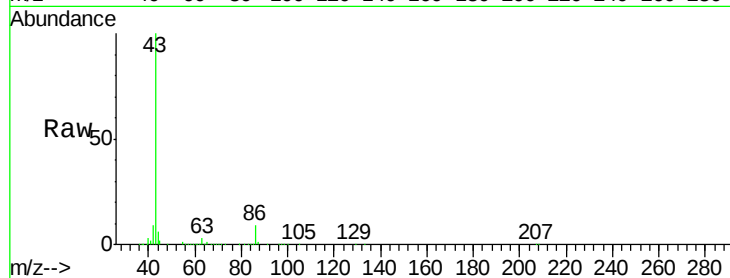
#23
 Vinyl Acetate
 Concen: 68.819 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD065696.D
 Acq: 06 May 2020 14:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	43	Resp	525512
Ion	Ratio	Lower	Upper
43	100		
86	8.8	7.4	11.0

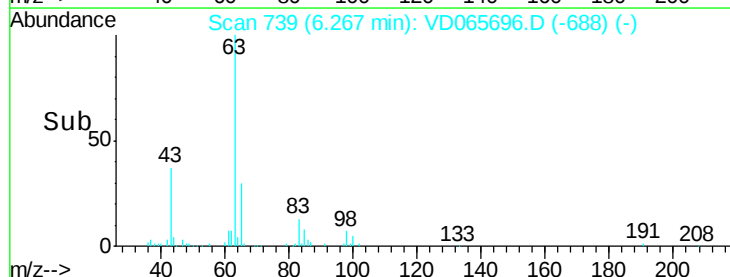
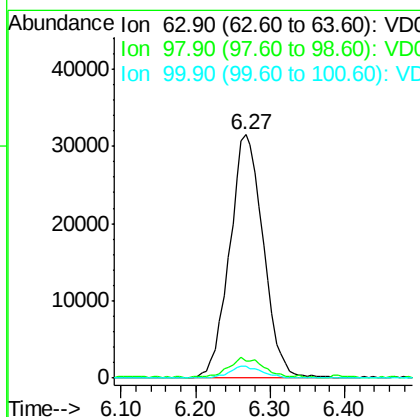
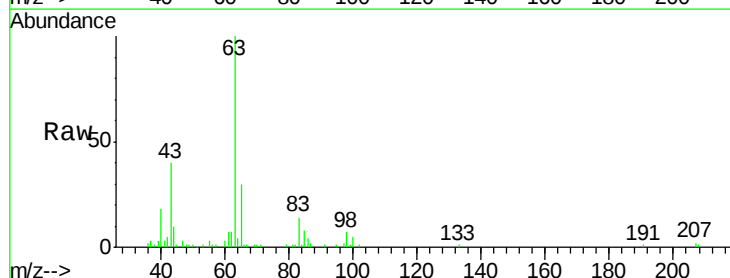
Manual Integrations
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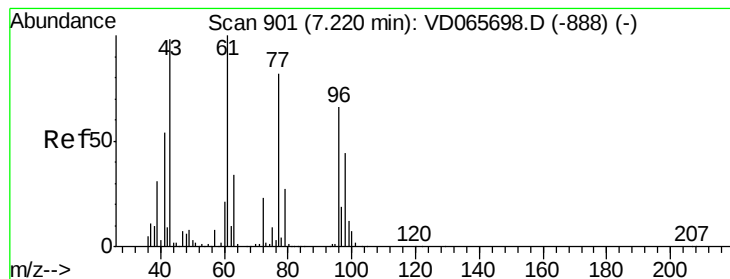
MMDadoda
 5/7/2020 10:35:56 AM



#24
 1,1-Dichloroethane
 Concen: 10.964 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD065696.D
 Acq: 06 May 2020 14:44

Tgt Ion	63	Resp	98658
Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	5.0	2.3	6.9





#25

2-Butanone

Concen: 63.023 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 77843

Ion Ratio Lower Upper

43 100

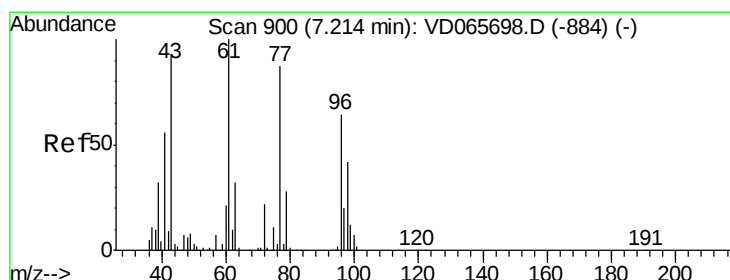
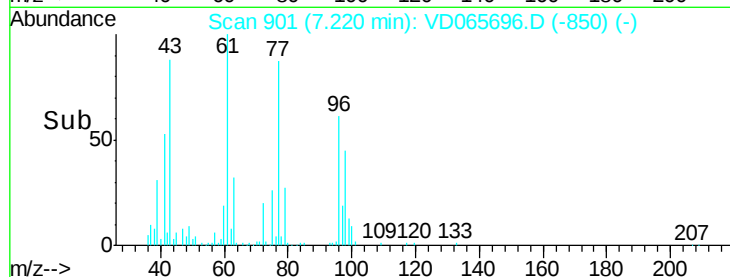
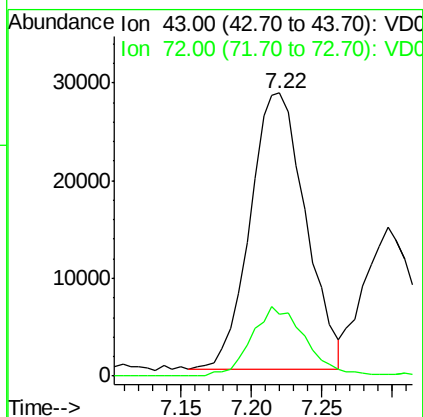
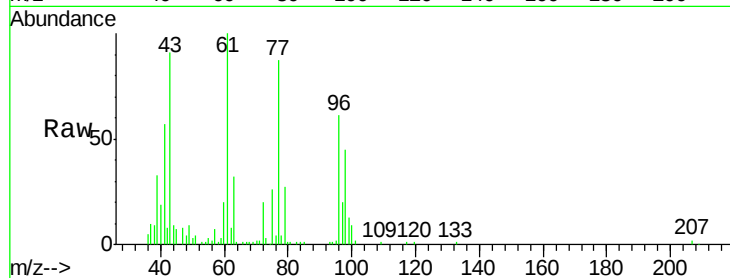
72 21.6 19.2 28.8

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#26

2,2-Dichloropropane

Concen: 11.085 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065696.D

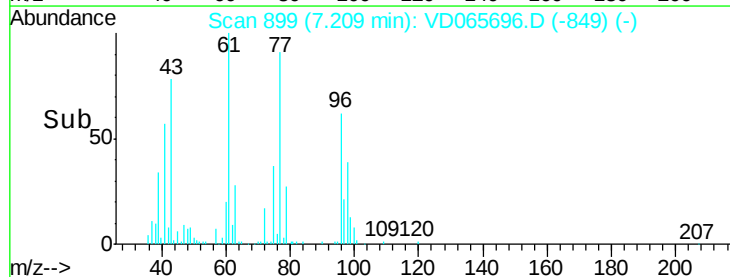
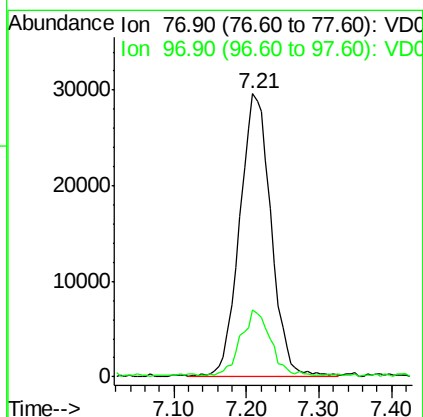
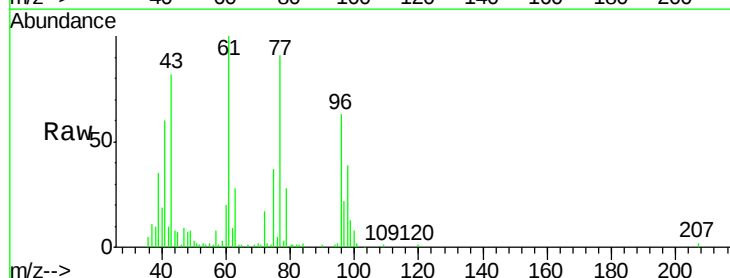
Acq: 06 May 2020 14:44

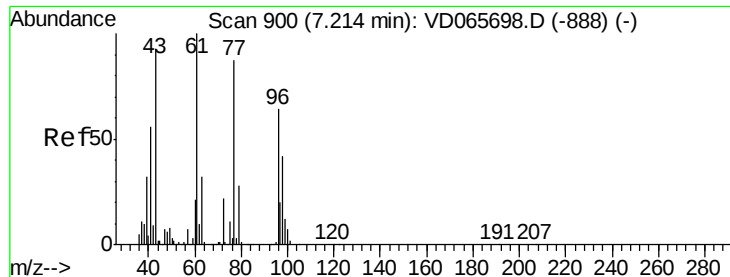
Tgt Ion: 77 Resp: 89419

Ion Ratio Lower Upper

77 100

97 20.9 11.3 33.9





#27

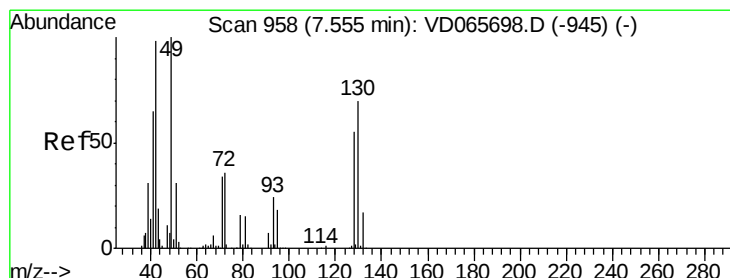
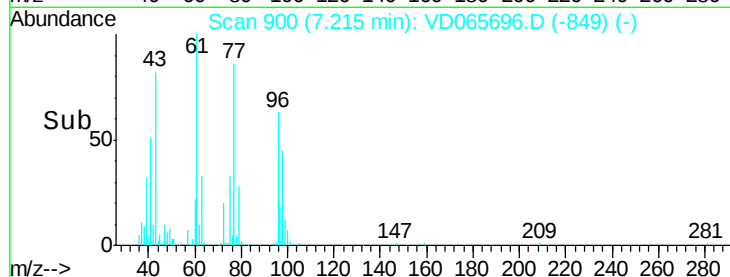
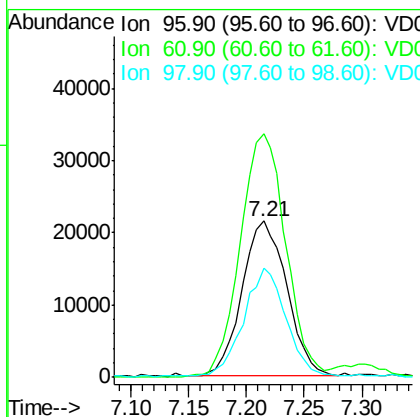
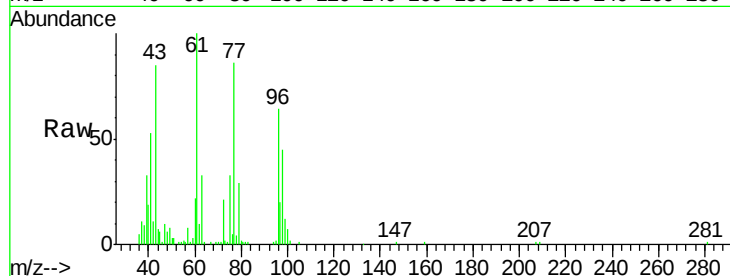
cis-1,2-Dichloroethene
 Concen: 10.583 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065696.D
 Acq: 06 May 2020 14:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	306.6
98	65.1	0.0	129.4

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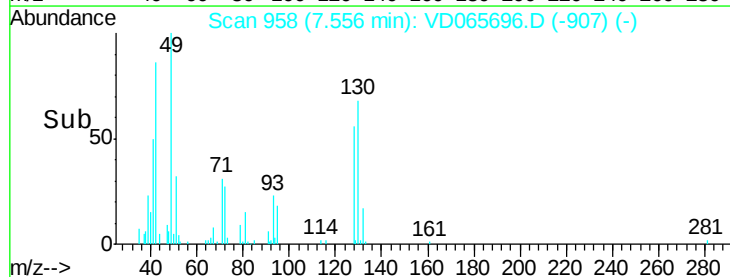
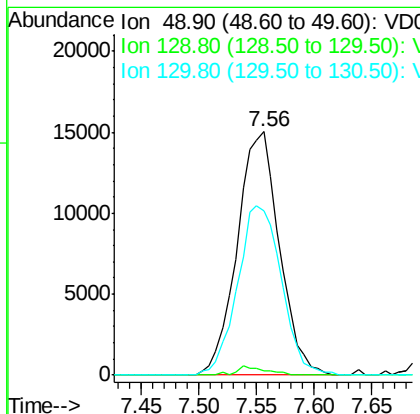
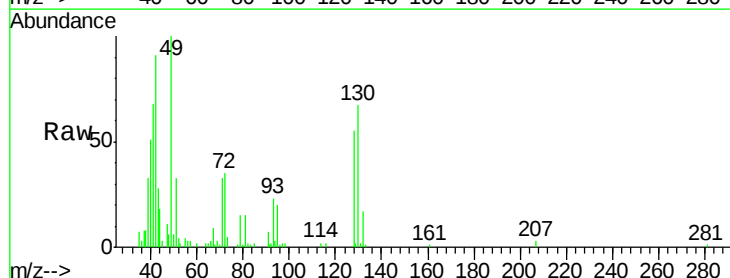
MMDadoda
 5/7/2020 10:35:56 AM

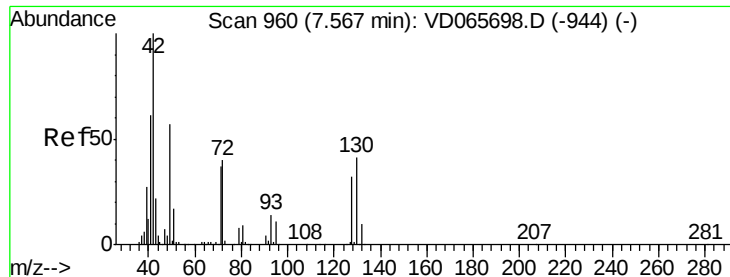


#28

Bromochloromethane
 Concen: 10.345 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VD065696.D
 Acq: 06 May 2020 14:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.8
130	72.5	56.4	84.6





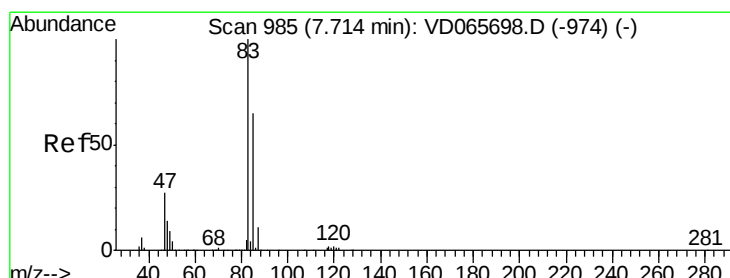
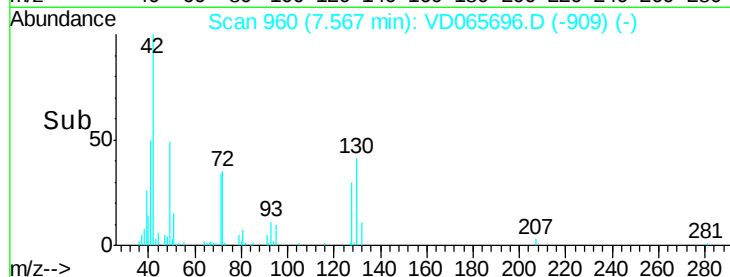
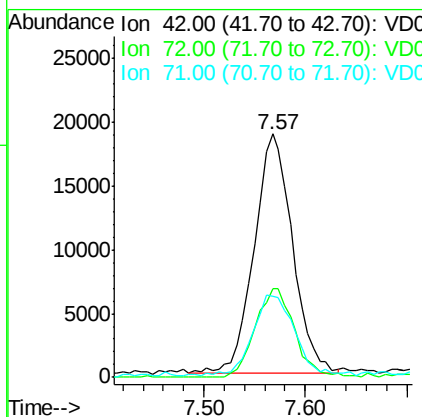
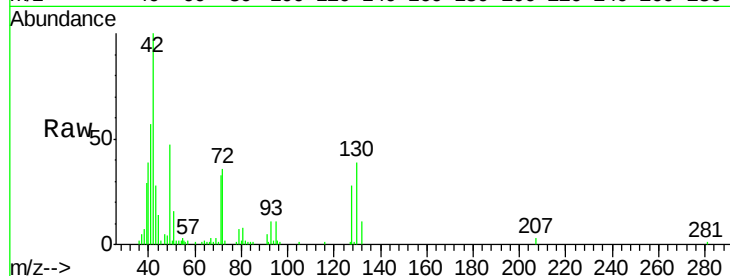
#29
Tetrahydrofuran
Concen: 63.316 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.4	45.6
71	36.2	28.0	42.0

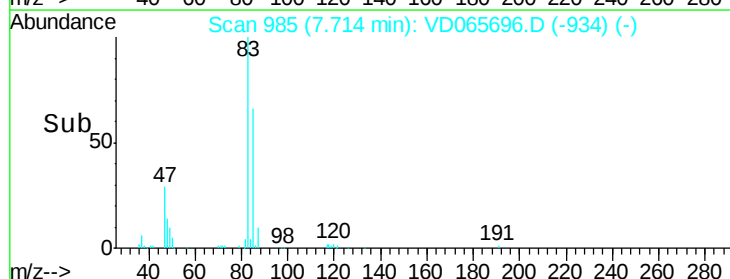
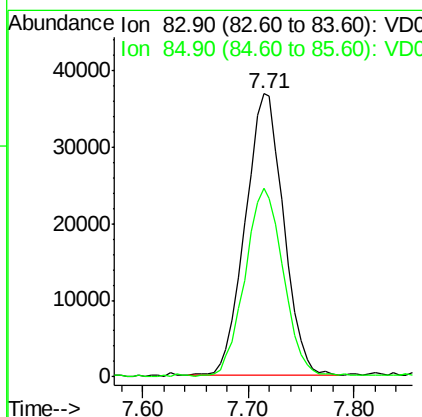
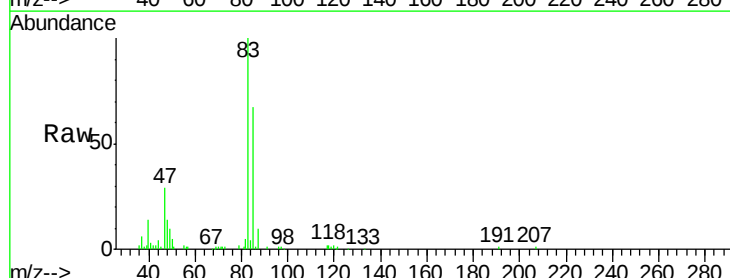
Manual Integrations
APPROVED

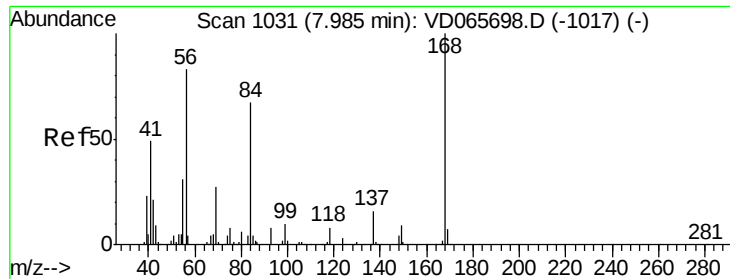
MMDadoda
5/7/2020 10:35:56 AM



#30
Chloroform
Concen: 9.980 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.1	78.1





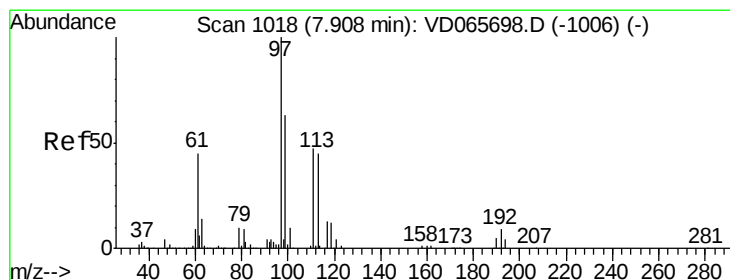
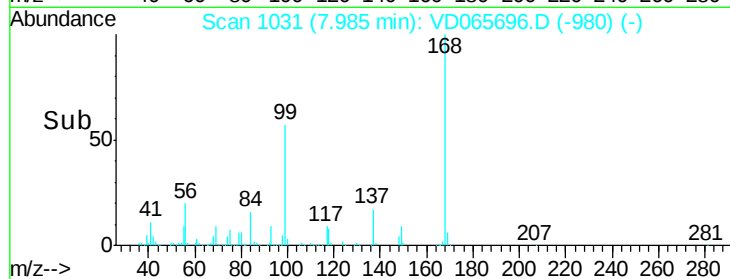
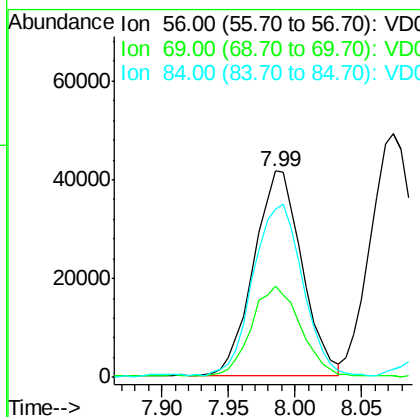
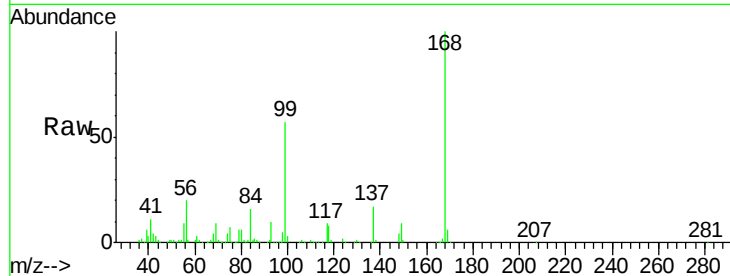
#31
Cyclohexane
Concen: 12.261 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	43.5	26.3	39.5#	
84	81.4	64.5	96.7	

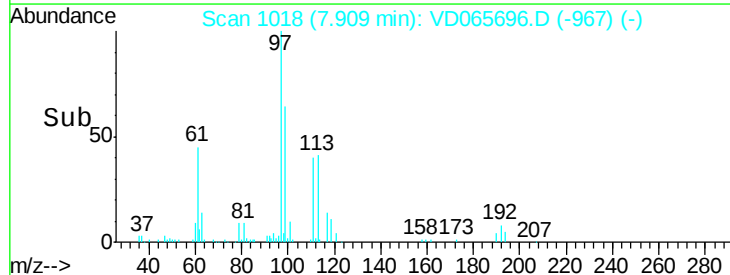
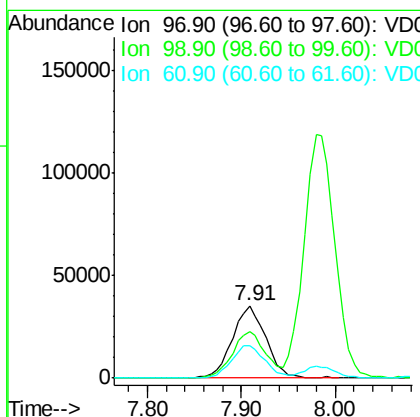
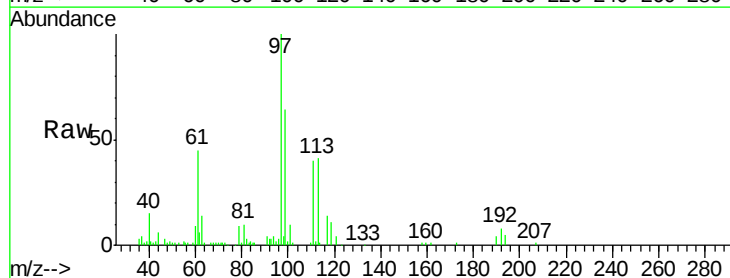
Manual Integrations
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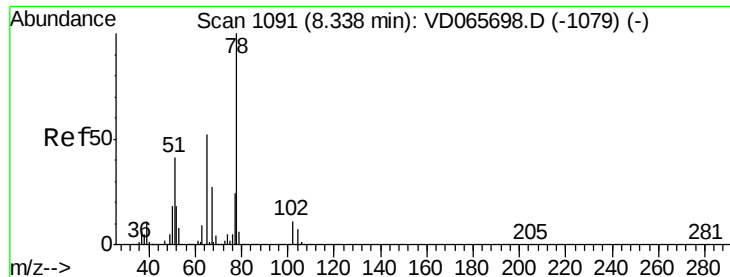
MMDadoda
5/7/2020 10:35:56 AM



#32
1,1,1-Trichloroethane
Concen: 10.384 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	65.1	50.8	76.2	
61	45.5	36.0	54.0	





#33

1,2-Dichloroethane-d4

Concen: 9.693 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 46238

Ion Ratio Lower Upper

65 100

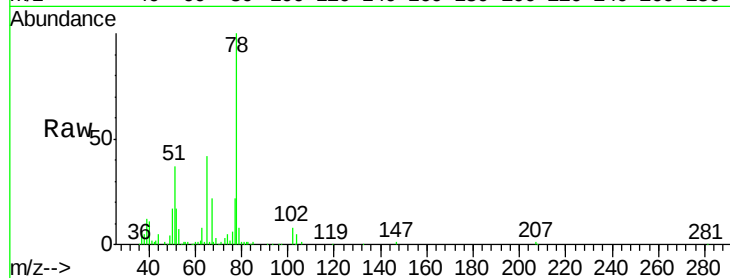
67 53.3 0.0 103.8

Manual Integrations

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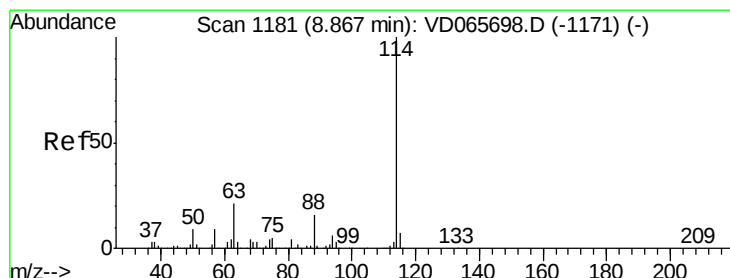
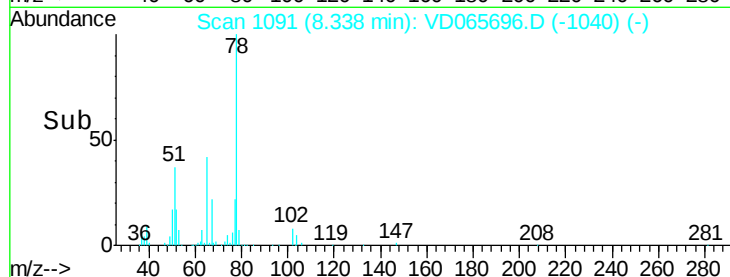
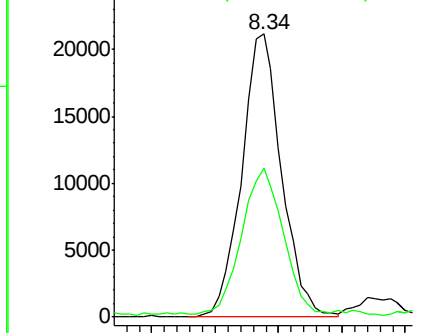
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

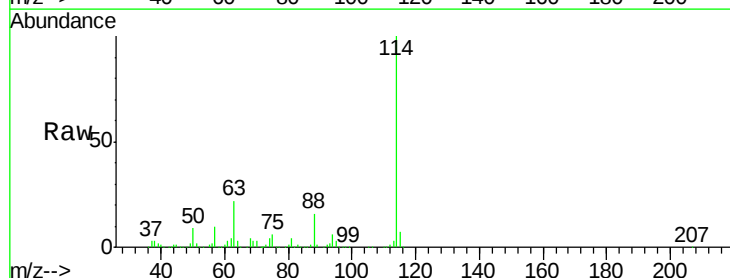
Tgt Ion: 114 Resp: 756088

Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.4

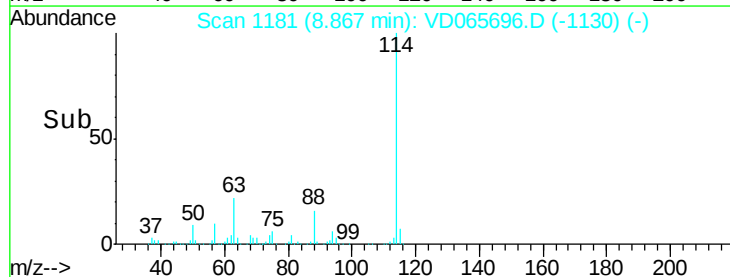
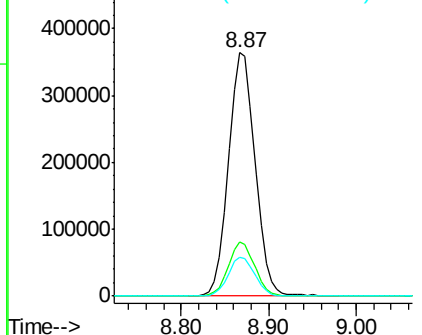
88 15.9 0.0 32.6

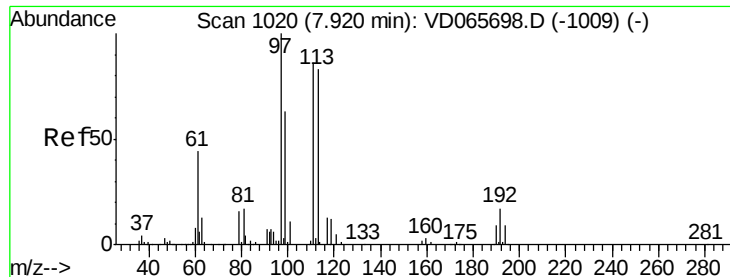


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





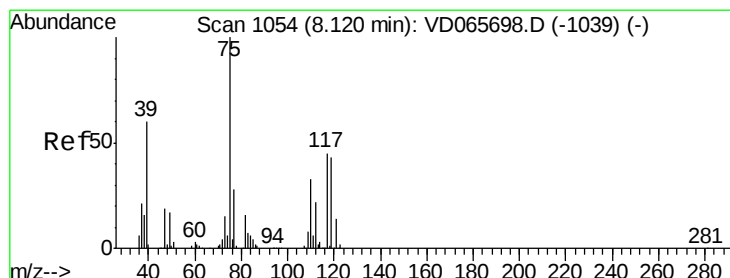
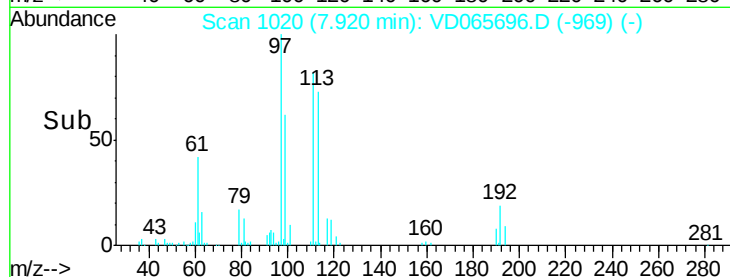
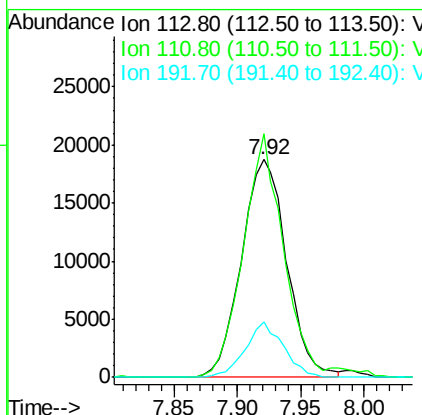
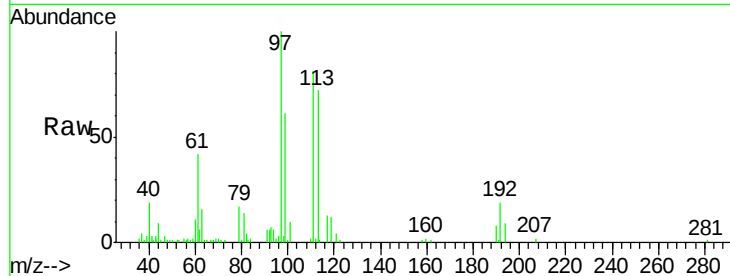
#35
 Dibromofluoromethane
 Concen: 8.939 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065696.D
 Acq: 06 May 2020 14:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.7	124.1
192	21.7	17.0	25.4

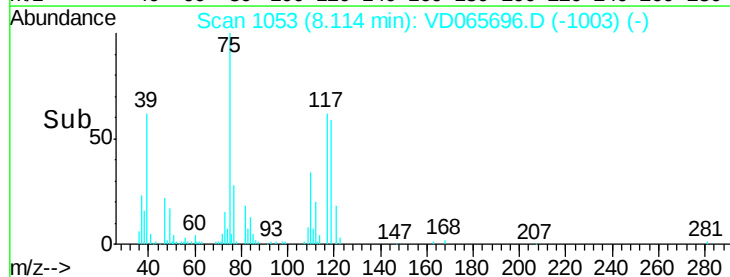
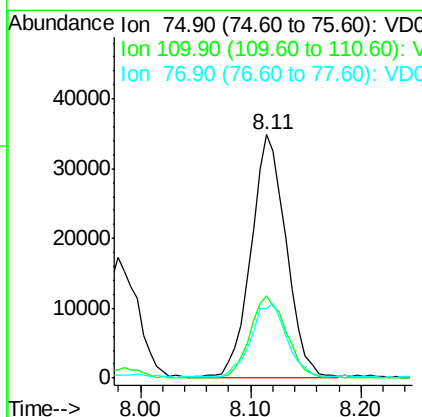
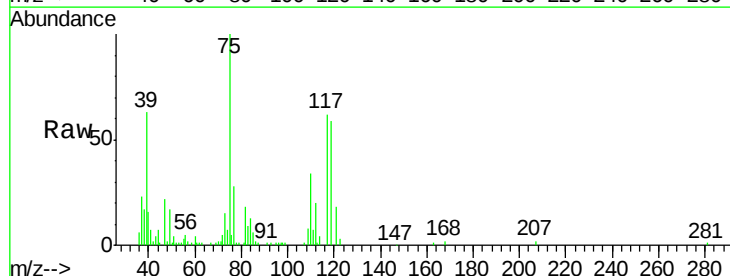
Manual Integrations
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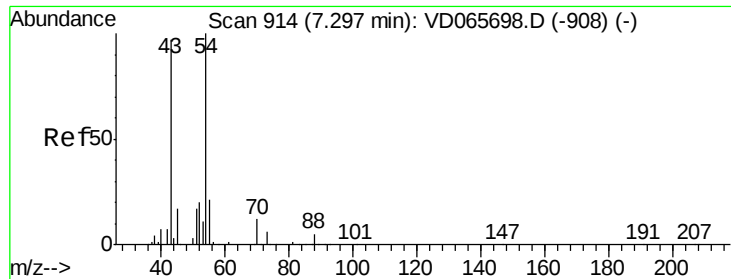
MMDadoda
 5/7/2020 10:35:56 AM



#36
 1,1-Dichloropropene
 Concen: 10.276 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD065696.D
 Acq: 06 May 2020 14:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.2	51.6
77	32.4	23.7	35.5





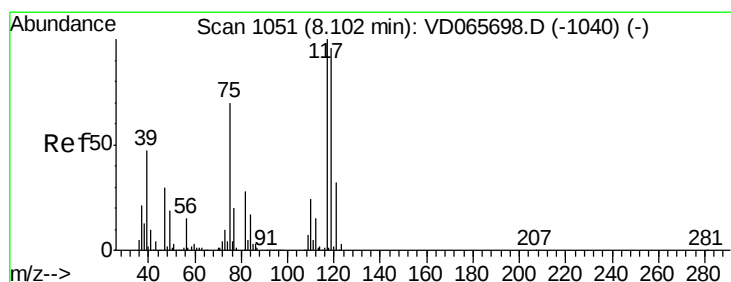
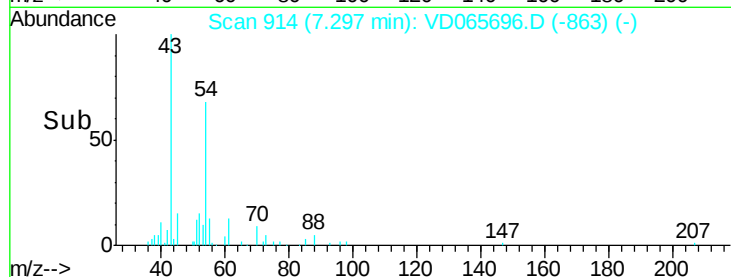
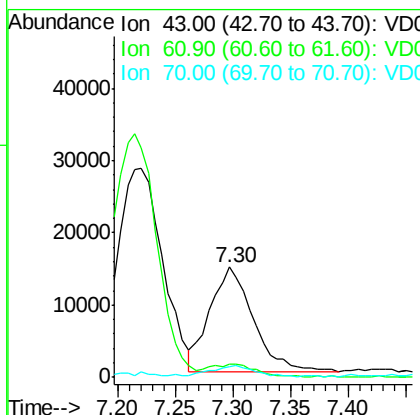
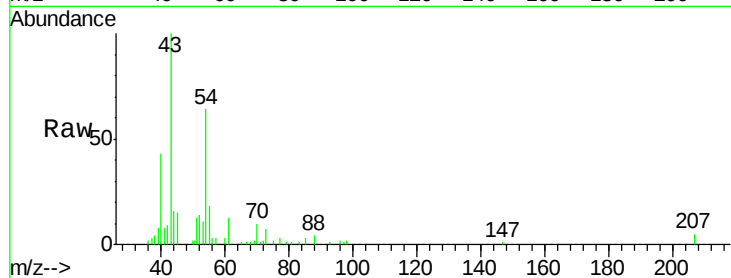
#37
Ethyl Acetate
Concen: 12.871 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.9	14.9
70	11.9	7.3	10.9

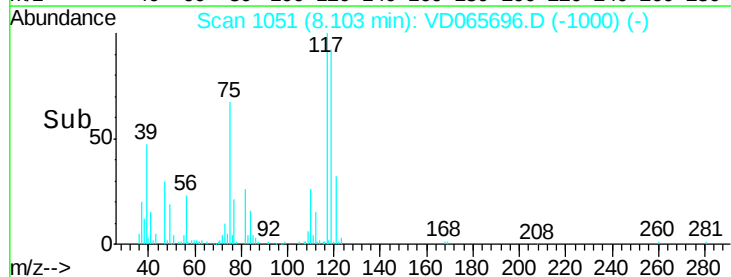
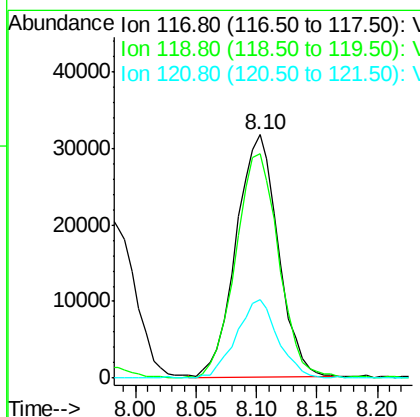
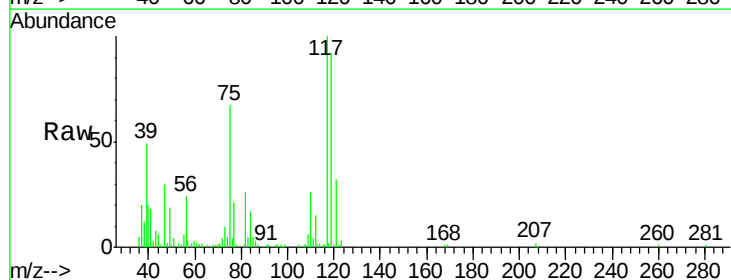
Manual Integrations
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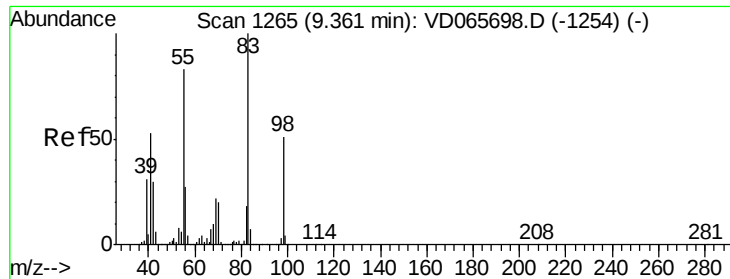
MMDadoda
5/7/2020 10:35:56 AM



#38
Carbon Tetrachloride
Concen: 9.378 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	77.1	115.7
121	32.3	25.5	38.3





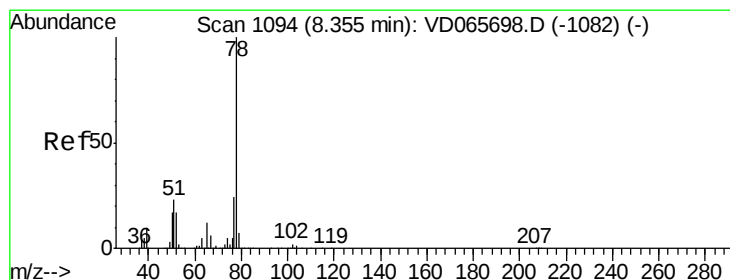
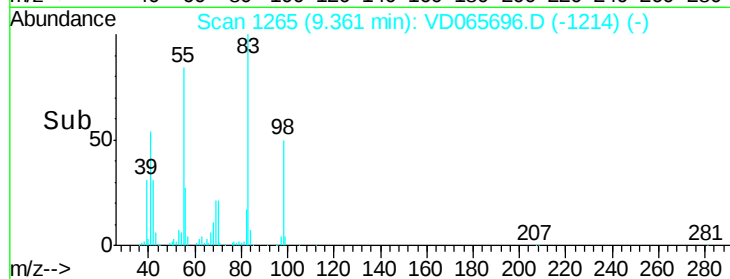
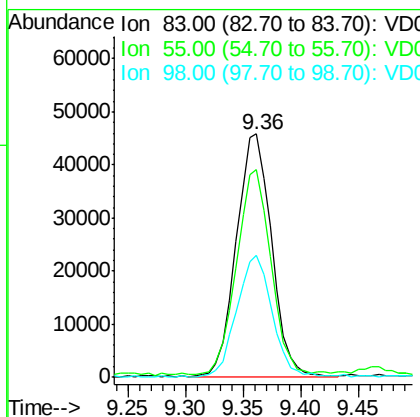
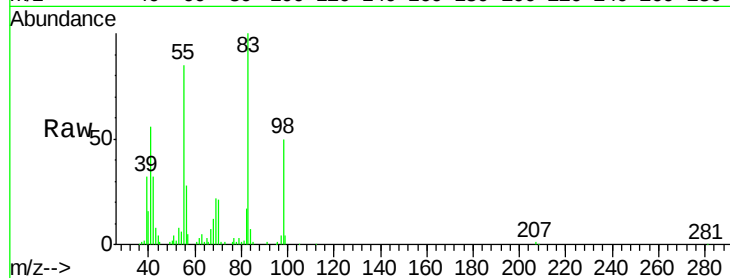
#39
Methvlcvclohexane
Concen: 11.247 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	97659
Ion Ratio	100	Lower	Upper
83	100		
55	84.2	66.0	99.0
98	49.7	41.0	61.4

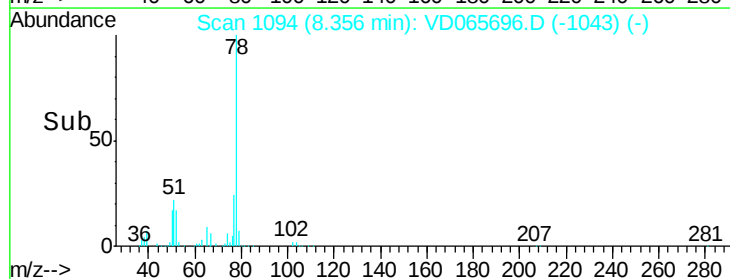
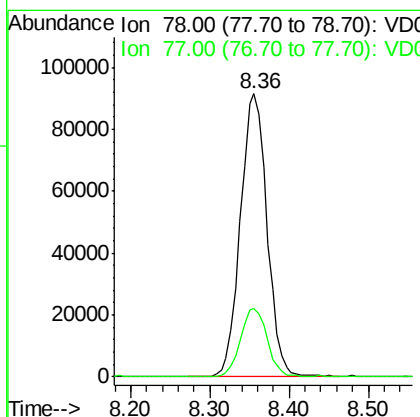
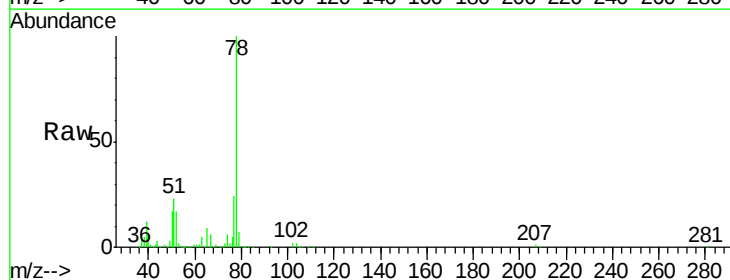
Manual Integrations
APPROVED

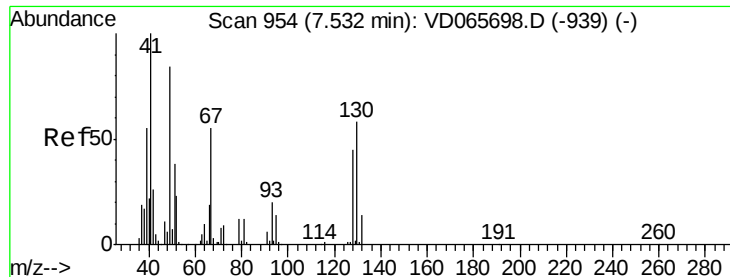
MMDadoda
5/7/2020 10:35:56 AM



#40
Benzene
Concen: 9.868 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Tgt Ion	78	Resp	213554
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	19.6	29.4





#41

Methacrylonitrile

Concen: 13.850 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

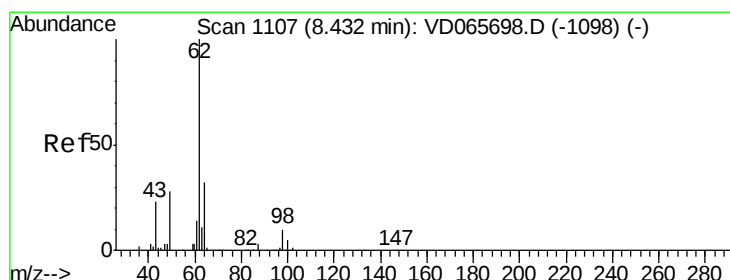
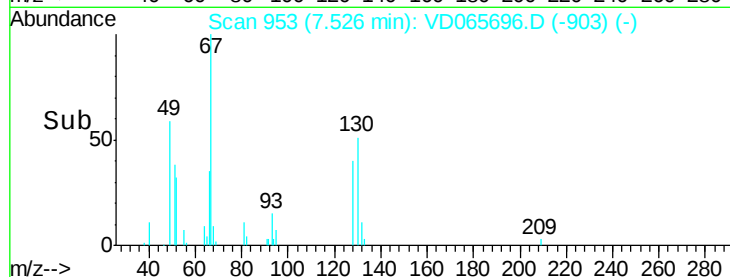
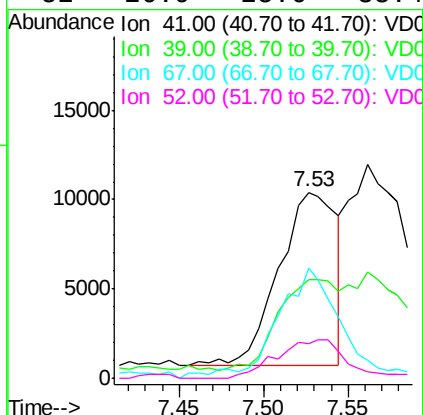
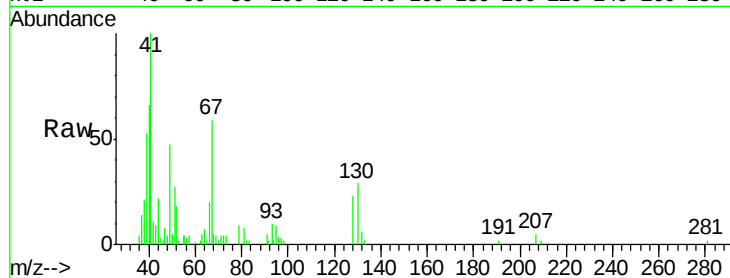
ClientSampleId :

VSTDIC010

Tot Ion:	41	Resp:	23121
Ion	Ratio	Lower	Upper
41	100		
39	53.6	52.5	78.7
67	69.9	59.4	89.0
52	26.9	25.6	38.4

Manual Integrations
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MMDadoda
5/7/2020 10:35:56 AM



#42

1,2-Dichloroethane

Concen: 10.140 ug/l

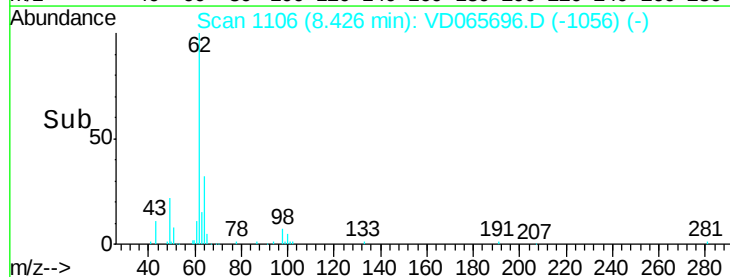
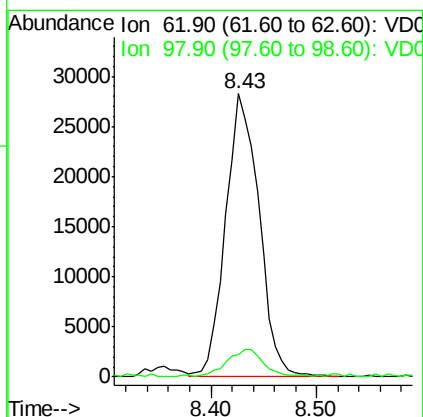
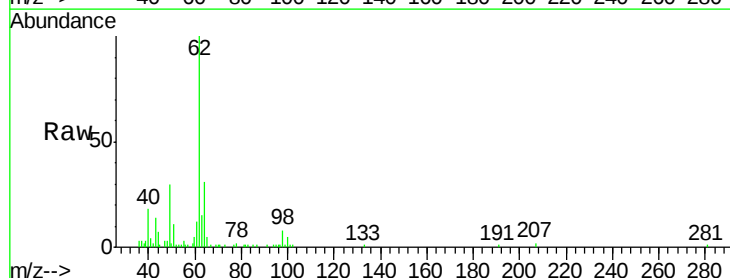
RT: 8.43 min Scan# 1106

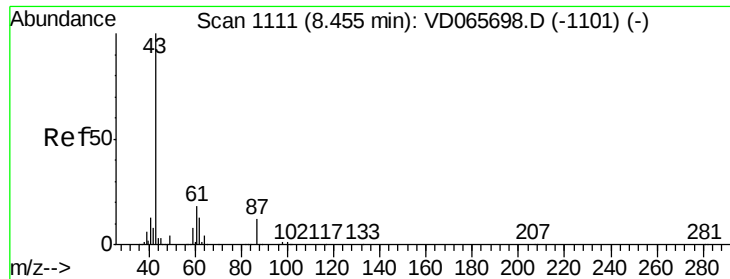
Delta R.T. -0.01 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Tgt Ion:	62	Resp:	62109
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	19.2





#43

Isopropyl Acetate

Concen: 13.317 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

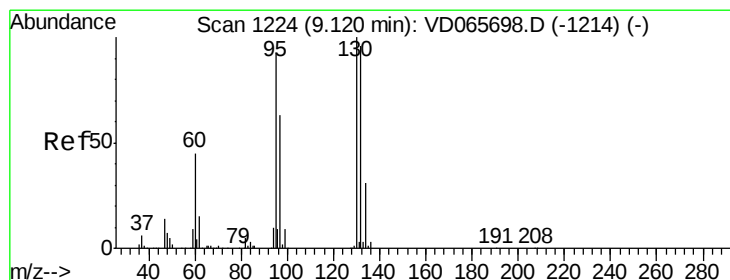
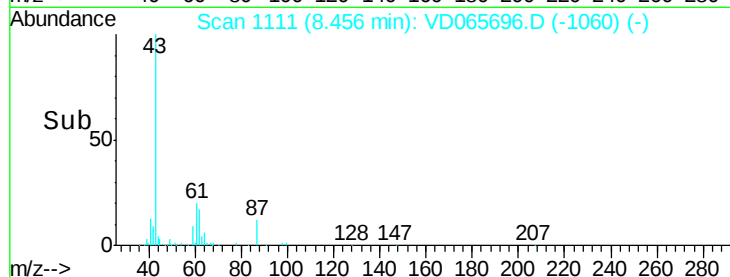
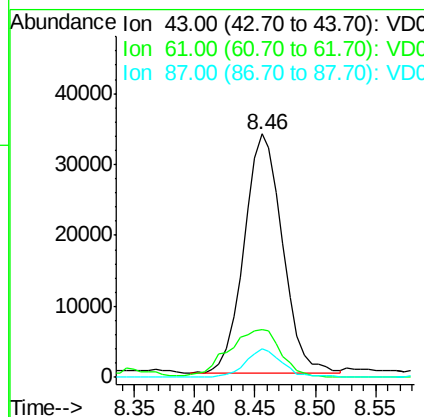
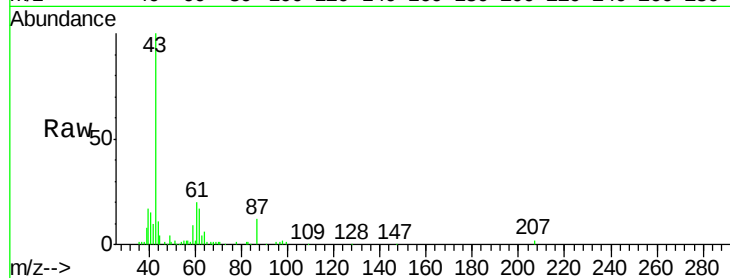
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	74512
Ion	Ratio	Lower	Upper
43	100		
61	27.5	21.9	32.9
87	11.4	9.4	14.2

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#44

Trichloroethene

Concen: 9.458 ug/l

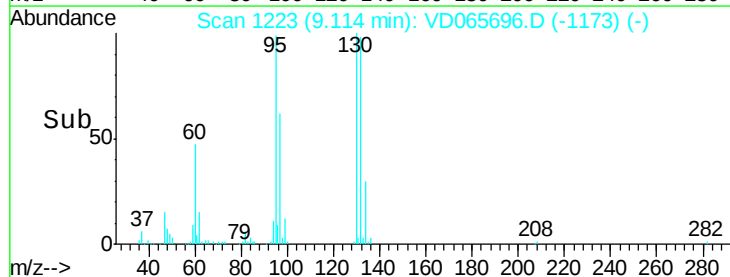
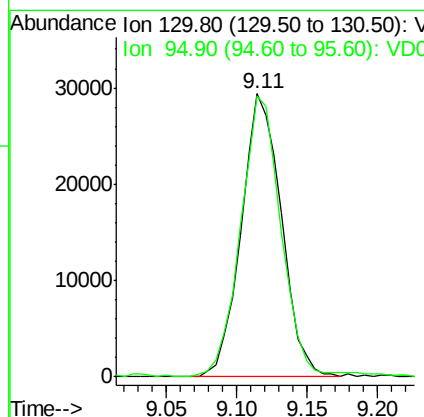
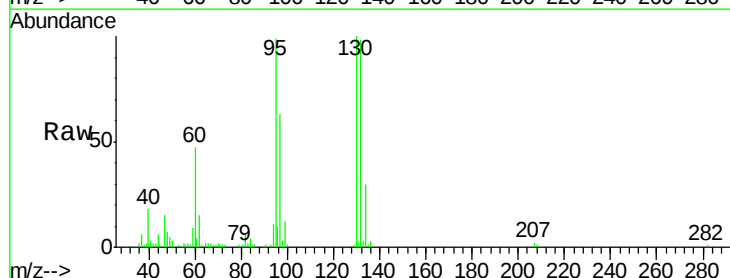
RT: 9.11 min Scan# 1223

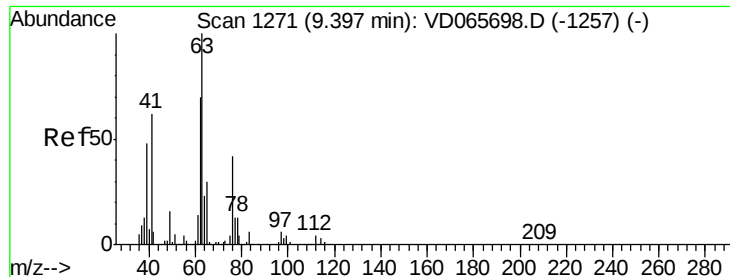
Delta R.T. -0.01 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Tgt Ion:	130	Resp:	58533
Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	185.2





#45

1,2-Dichloropropane

Concen: 10.389 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 55512

Ion Ratio Lower Upper

63 100

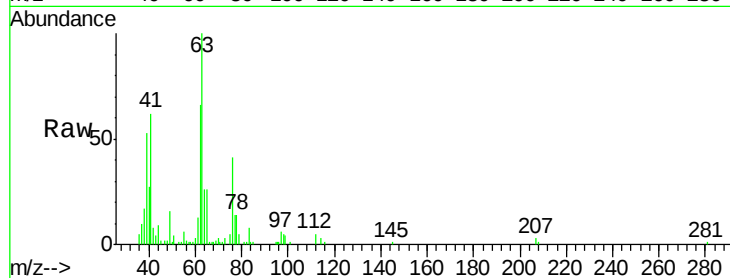
65 26.3 24.1 36.1

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.40

25000

20000

15000

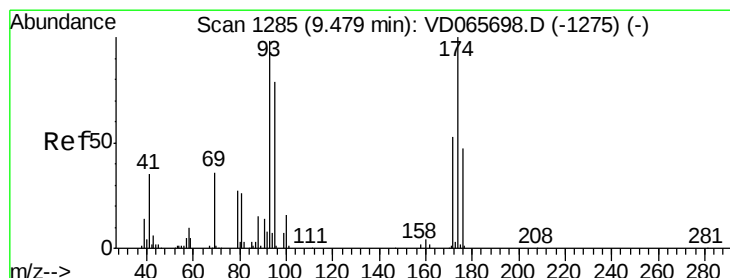
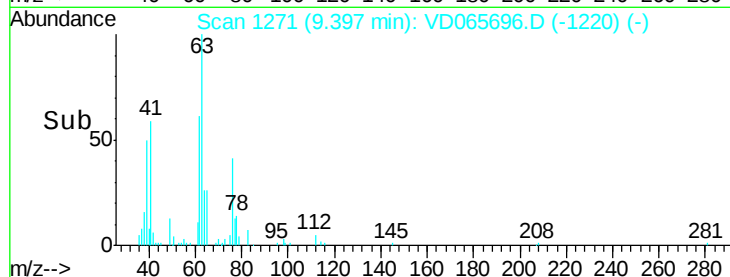
10000

5000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 9.642 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

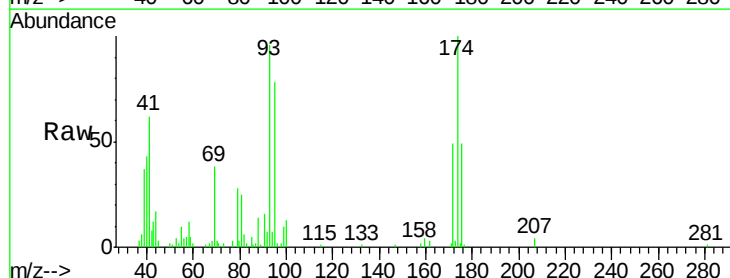
Tgt Ion: 93 Resp: 27518

Ion Ratio Lower Upper

93 100

95 83.6 65.3 97.9

174 99.6 82.7 124.1



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

15000

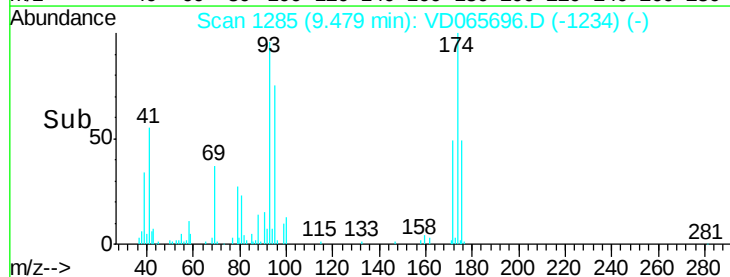
10000

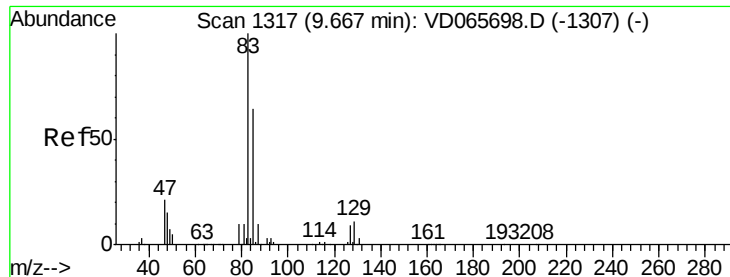
5000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 9.920 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

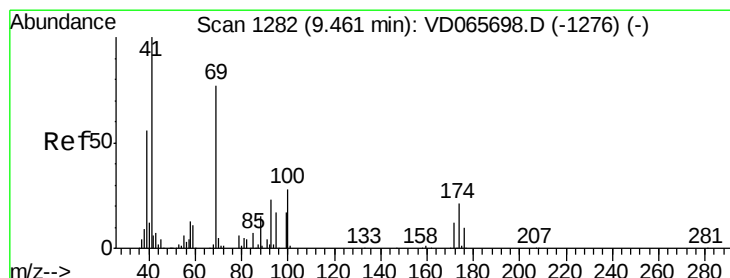
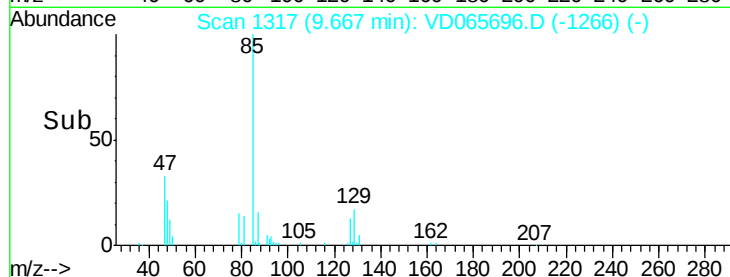
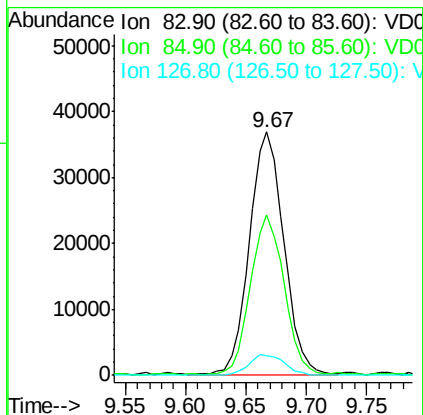
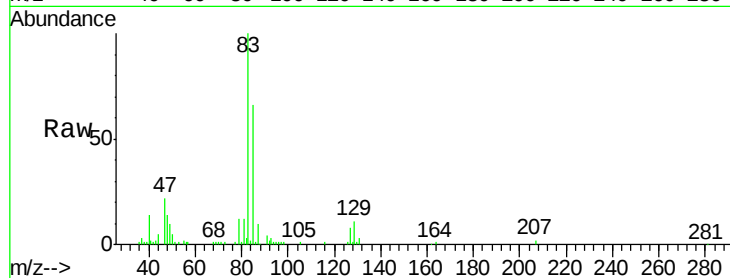
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	73998
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.9	76.3
127	8.2	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 14.054 ug/l

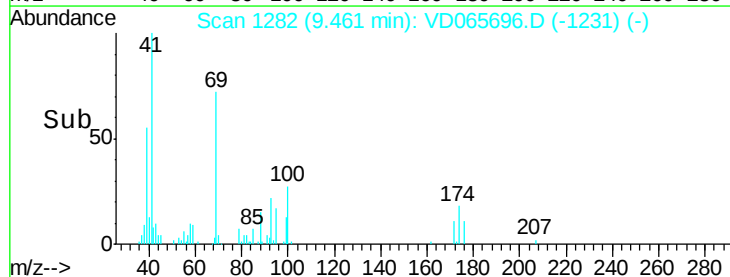
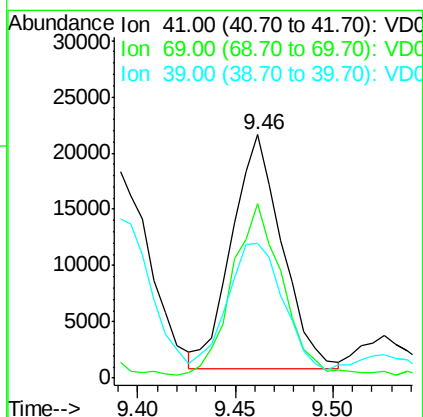
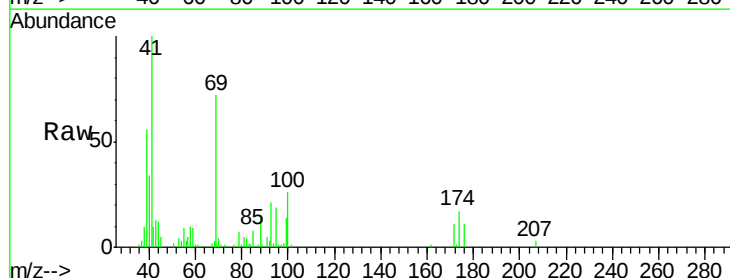
RT: 9.46 min Scan# 1282

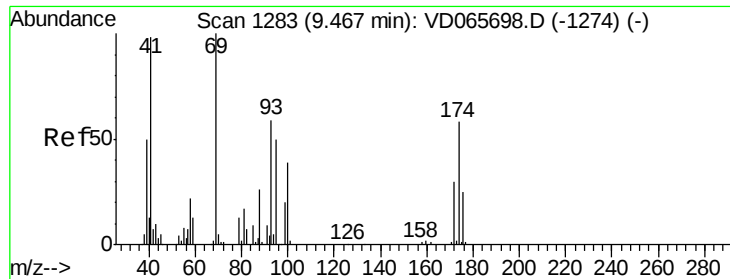
Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Tgt Ion:	41	Resp:	37161
Ion	Ratio	Lower	Upper
41	100		
69	73.5	58.2	87.2
39	59.2	43.3	64.9





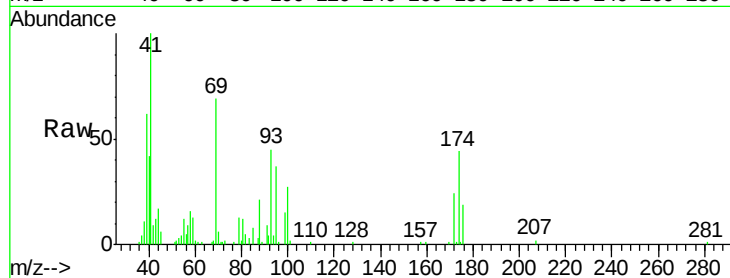
#49
1,4-Dioxane
Concen: 215.642 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	88	Resp	6726
Ion	Ratio	Lower	Upper
88	100		
43	45.7	31.6	47.4
58	85.7	60.2	90.4

Manual Integrations
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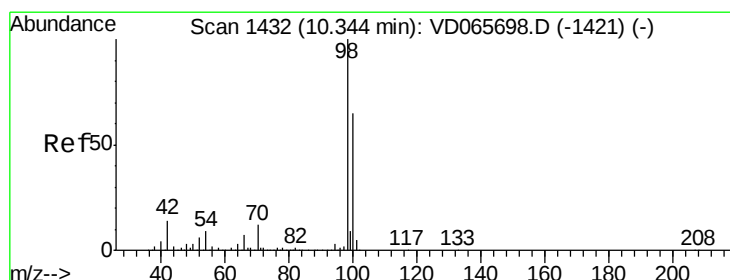
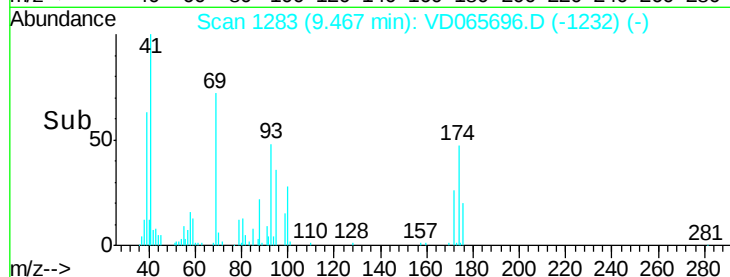
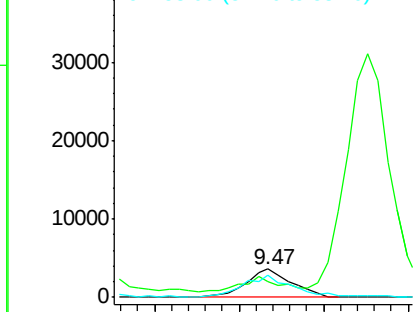


Abundance

Ion 88.00 (87.70 to 88.70): VDC

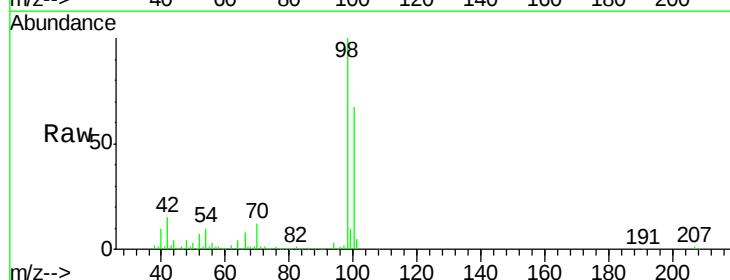
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 9.416 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

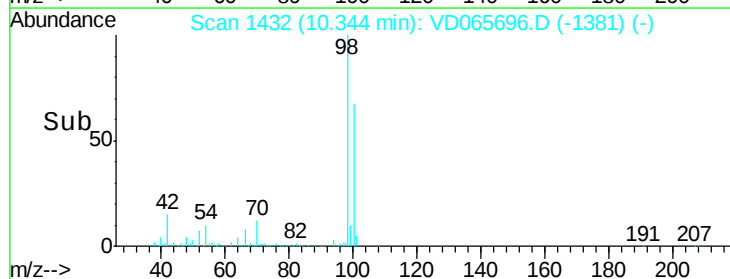
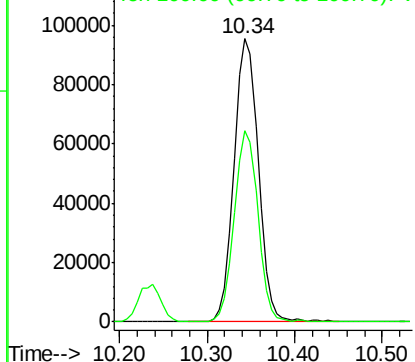
Tgt Ion	98	Resp	179386
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.6	78.8

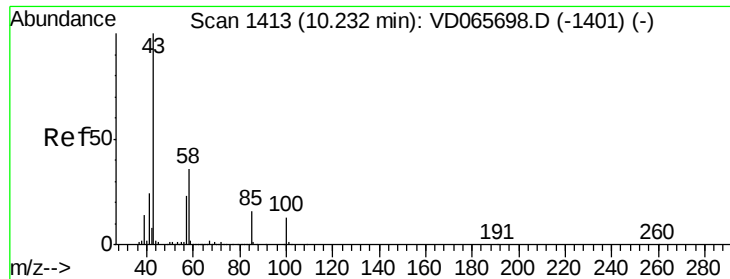


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





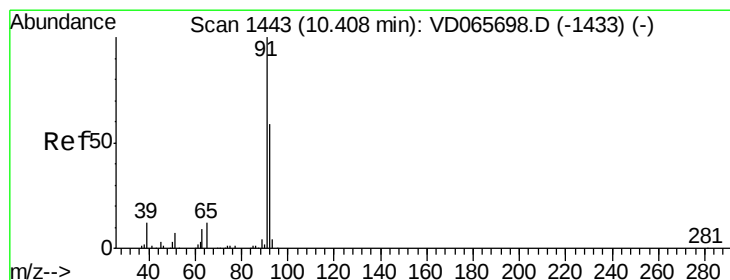
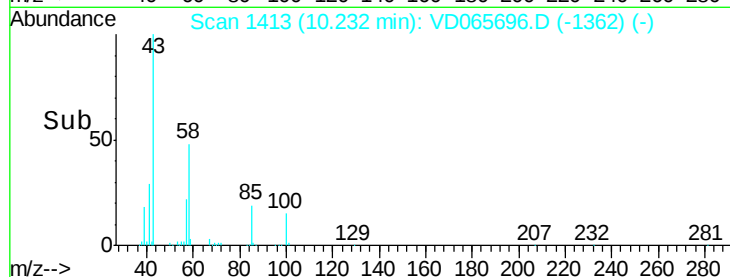
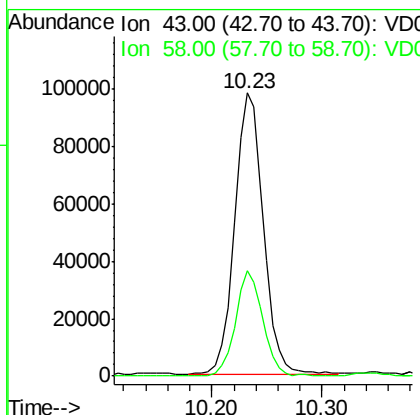
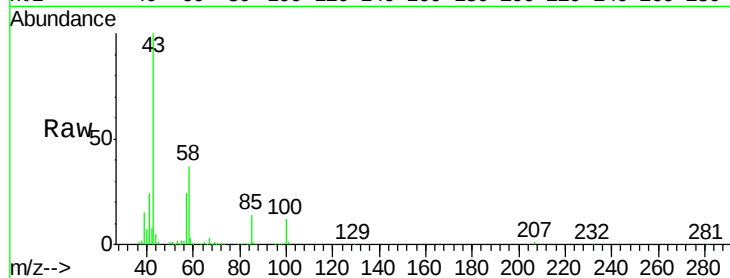
#51
4-Methyl-2-Pentanone
Concen: 62.743 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 178162
Ion Ratio Lower Upper
43 100
58 35.9 28.6 42.8

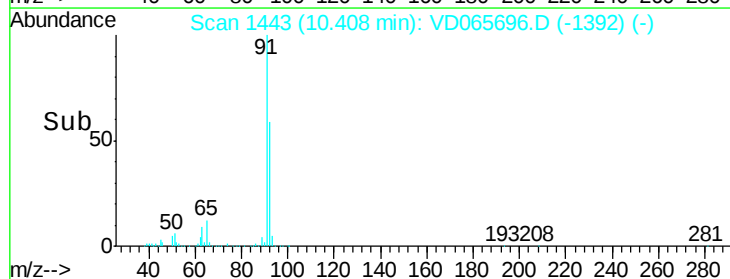
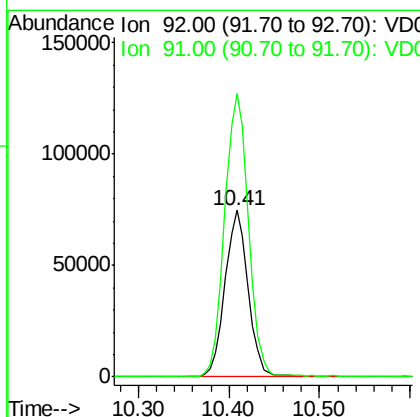
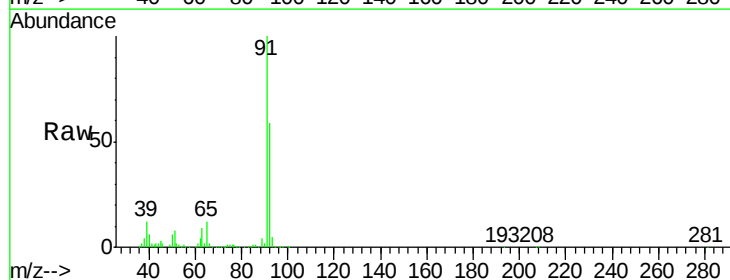
Manual Integrations
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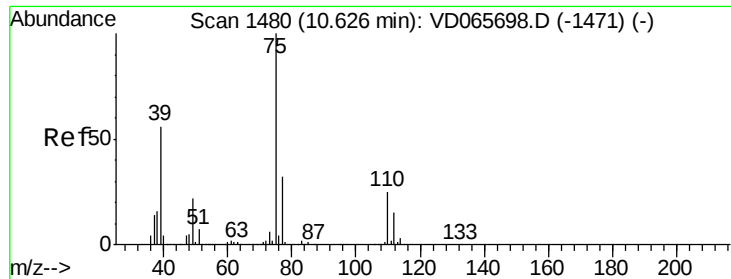
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#52
Toluene
Concen: 9.710 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Tgt Ion: 92 Resp: 132206
Ion Ratio Lower Upper
92 100
91 175.1 138.1 207.1





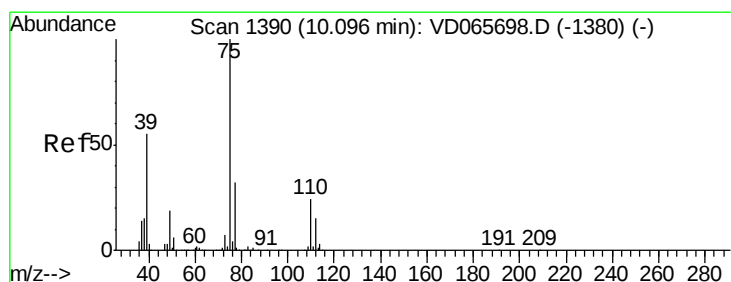
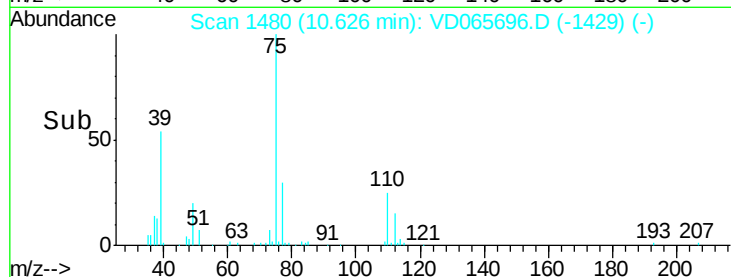
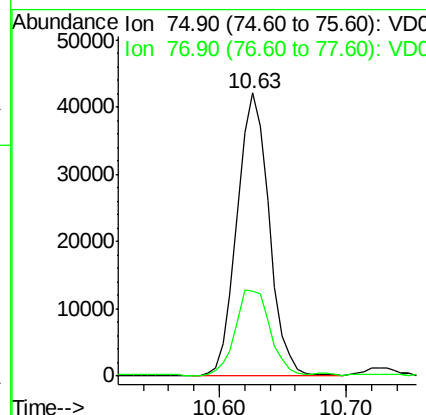
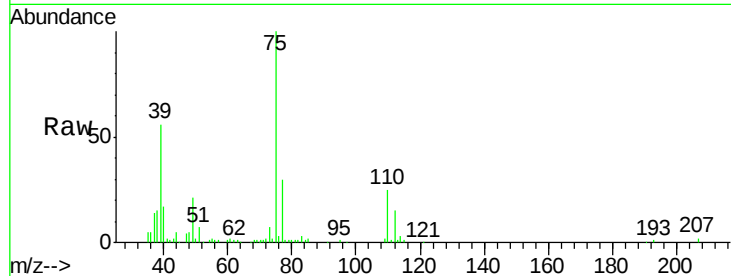
#53
t-1,3-Dichloropropene
Concen: 10.941 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 73966
Ion Ratio Lower Upper
75 100
77 30.0 25.4 38.0

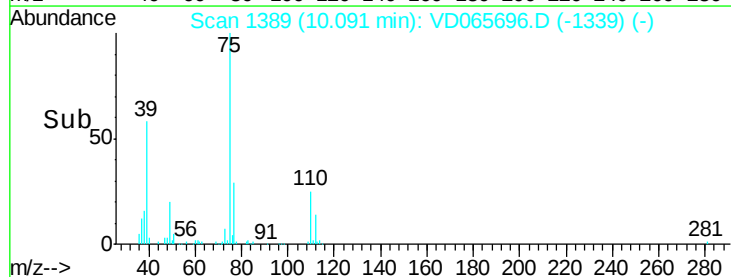
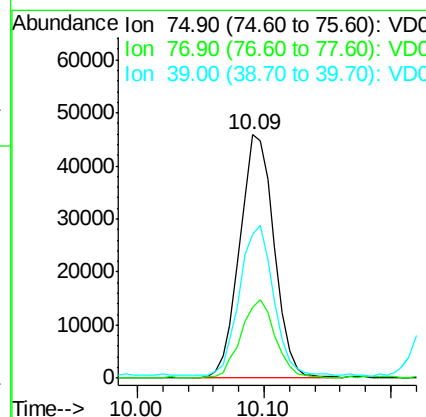
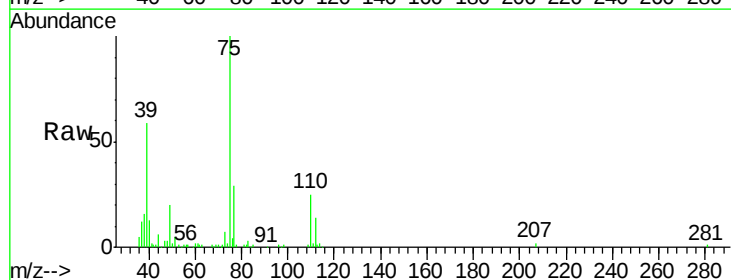
Manual Integrations
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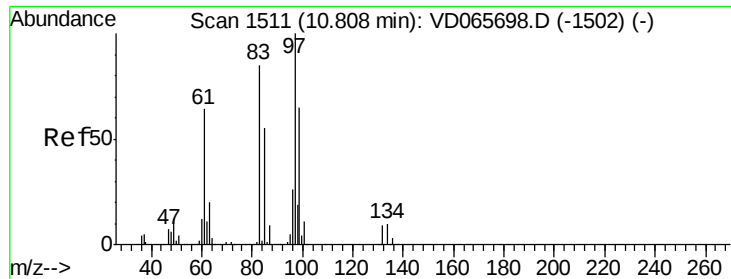
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#54
cis-1,3-Dichloropropene
Concen: 10.543 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Tgt Ion: 75 Resp: 86549
Ion Ratio Lower Upper
75 100
77 29.3 25.8 38.8
39 57.8 44.4 66.6





#55

1,1,2-Trichloroethane

Concen: 9.058 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

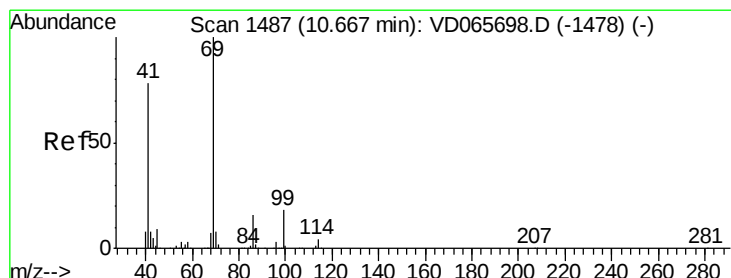
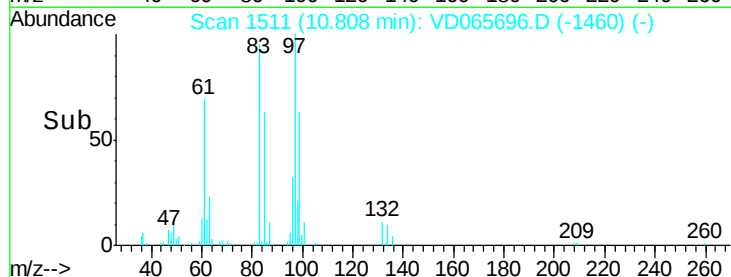
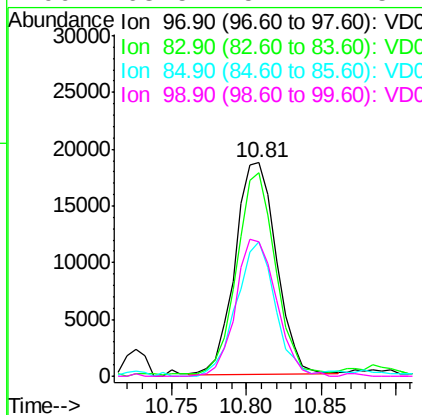
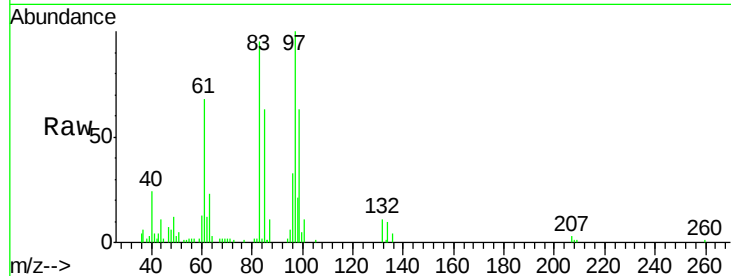
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	36128
Ion	Ratio	Lower	Upper
97	100		
83	95.5	68.2	102.4
85	63.8	43.6	65.4
99	63.5	52.2	78.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 12.772 ug/l

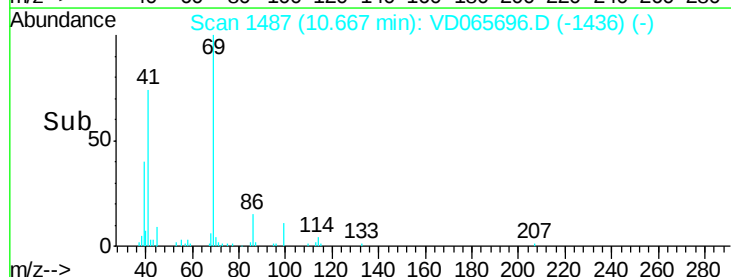
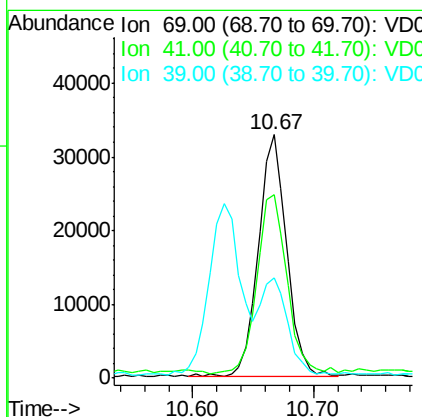
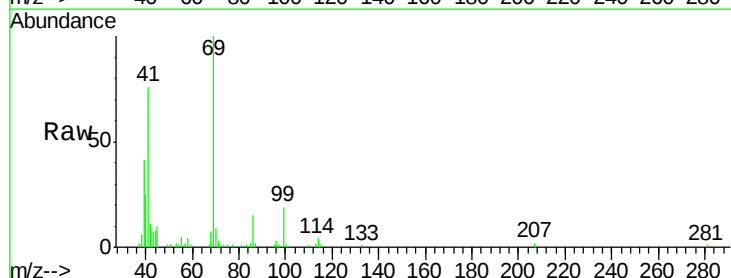
RT: 10.67 min Scan# 1487

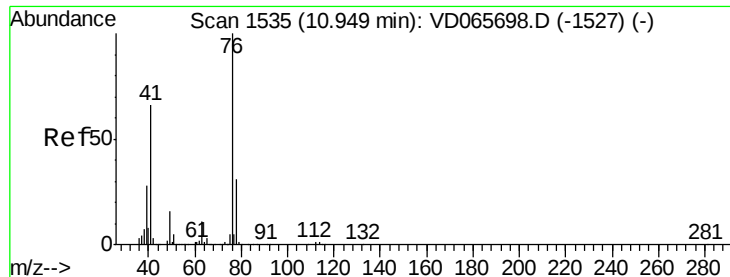
Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Tgt Ion:	69	Resp:	53836
Ion	Ratio	Lower	Upper
69	100		
41	78.1	61.4	92.0
39	37.5	32.7	49.1





#57

1,3-Dichloropropane

Concen: 10.155 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 67732

Ion Ratio Lower Upper

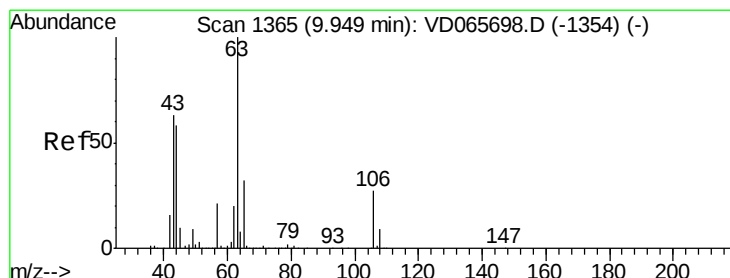
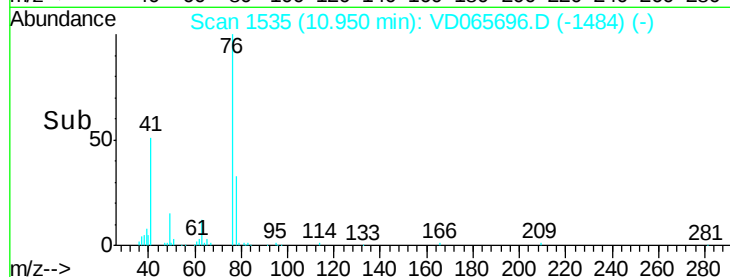
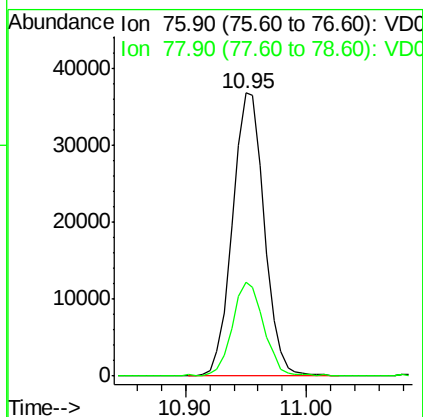
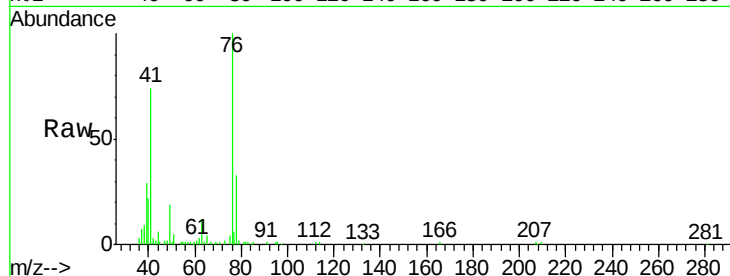
76 100

78 32.9 25.8 38.8

Manual Integrations
APPROVED

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#58

2-Chloroethyl Vinyl ether

Concen: 54.429 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065696.D

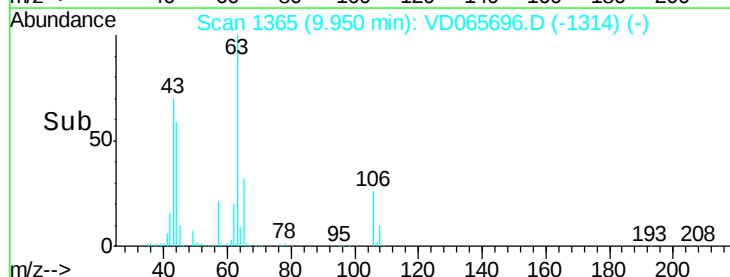
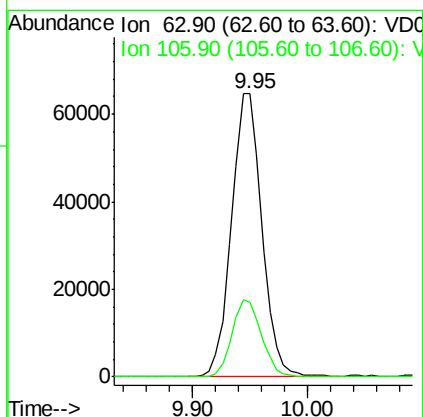
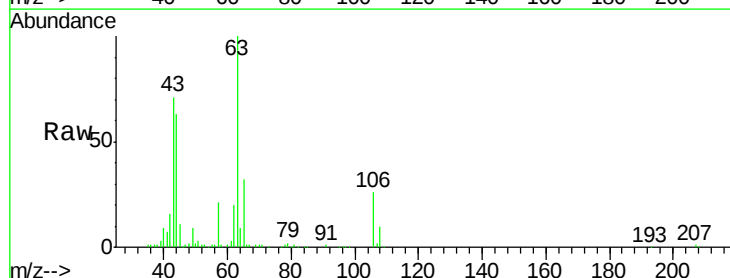
Acq: 06 May 2020 14:44

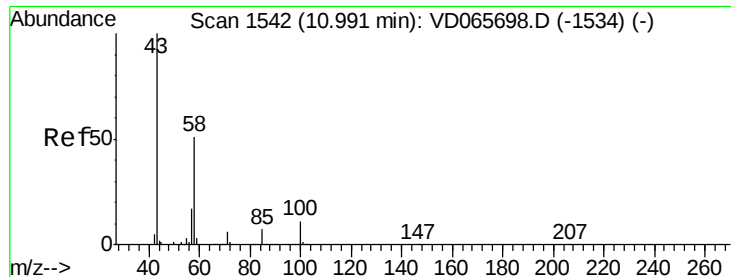
Tgt Ion: 63 Resp: 118198

Ion Ratio Lower Upper

63 100

106 26.1 22.0 33.0





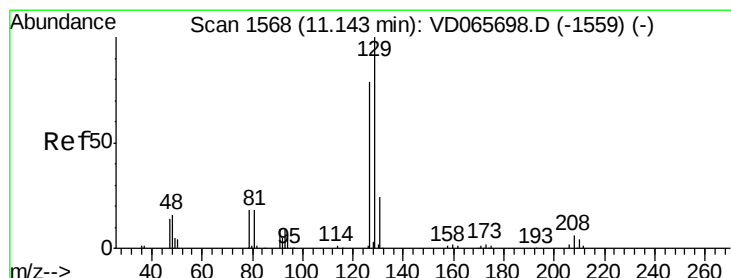
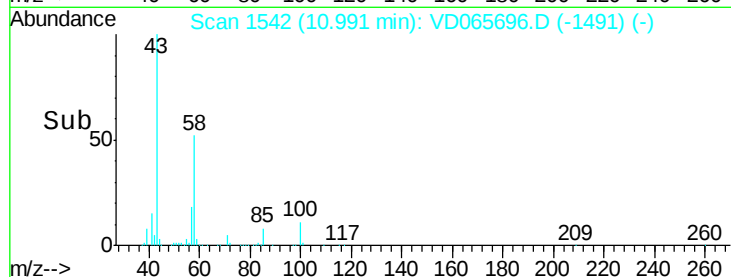
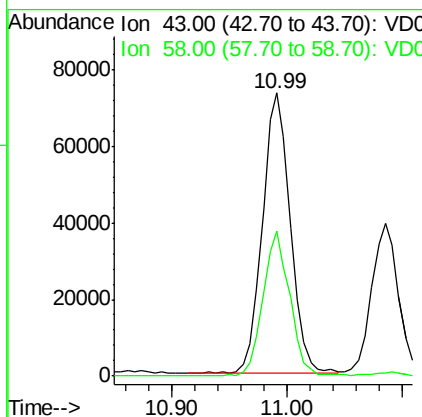
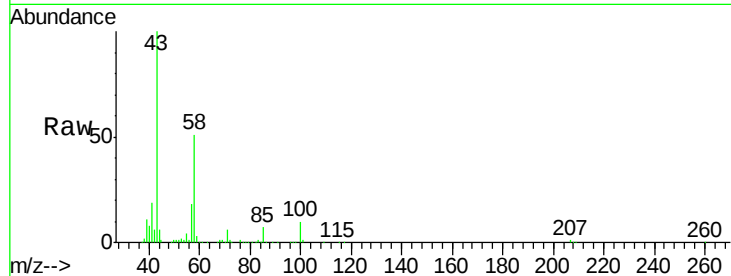
#59
2-Hexanone
Concen: 65.118 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 123592
Ion Ratio Lower Upper
43 100
58 49.5 25.4 76.0

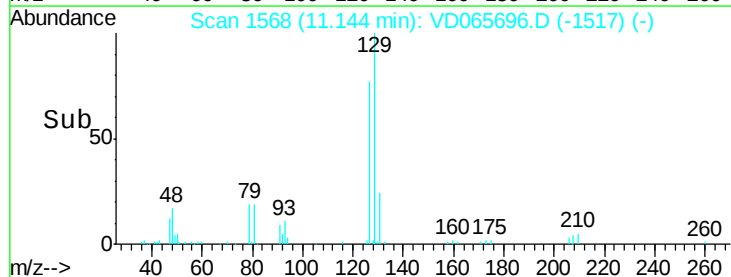
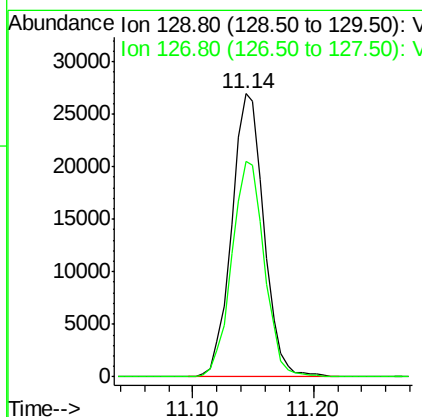
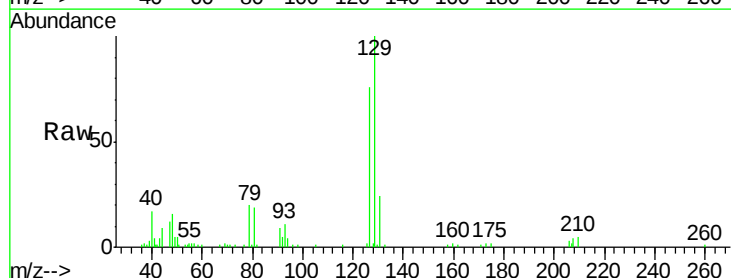
Manual Integrations
APPROVED

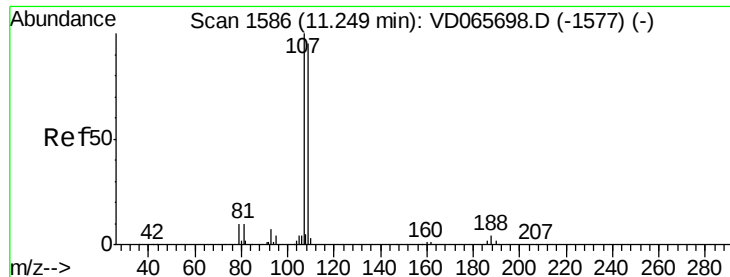
MMDadoda
5/7/2020 10:35:56 AM



#60
Dibromochloromethane
Concen: 9.496 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Tgt Ion: 129 Resp: 50088
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.6





#61

1,2-Dibromoethane

Concen: 9.484 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 36231

Ion Ratio Lower Upper

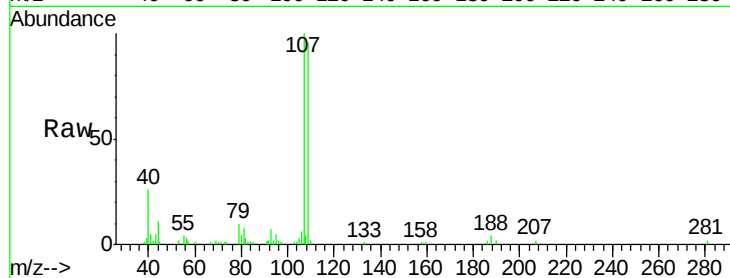
107 100

109 97.8 74.9 112.3

Manual Integrations
APPROVED

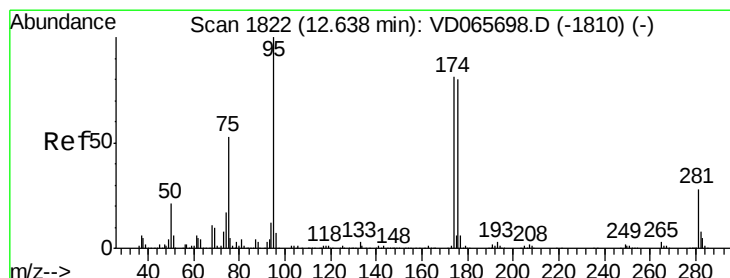
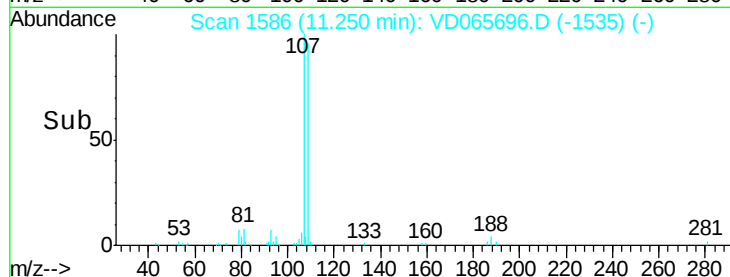
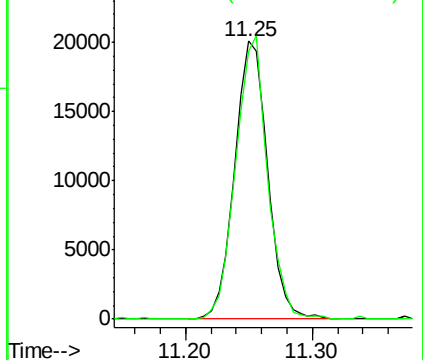
MMDadoda

5/7/2020 10:35:56 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 10.383 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

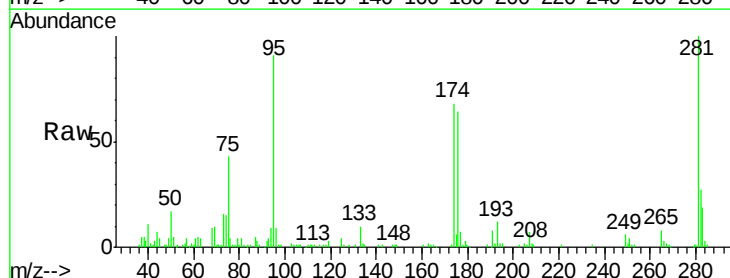
Tgt Ion: 95 Resp: 64616

Ion Ratio Lower Upper

95 100

174 79.4 0.0 162.6

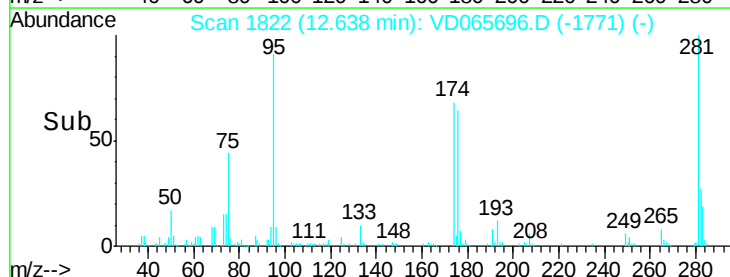
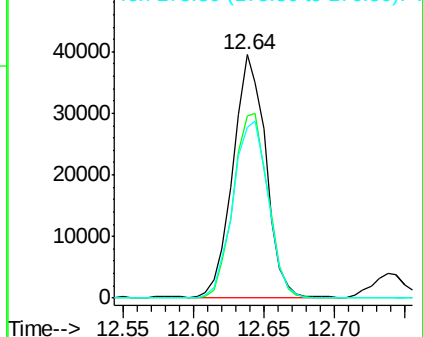
176 77.7 0.0 159.0

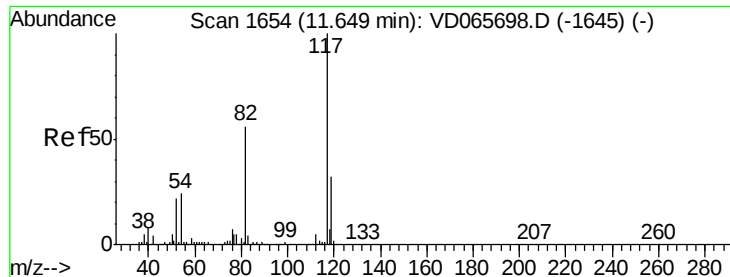


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





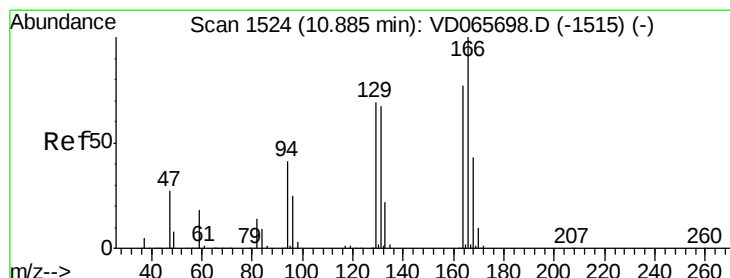
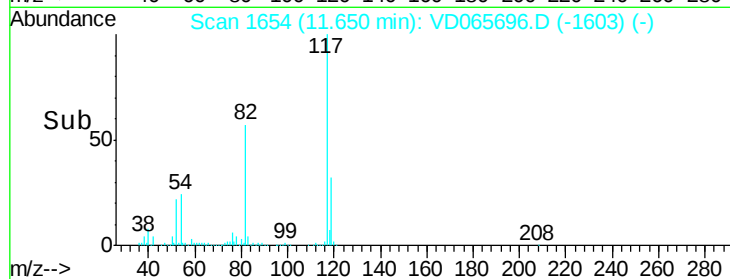
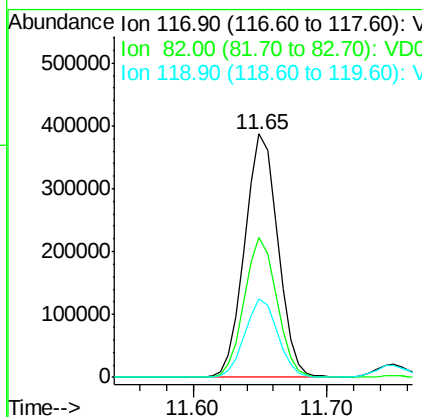
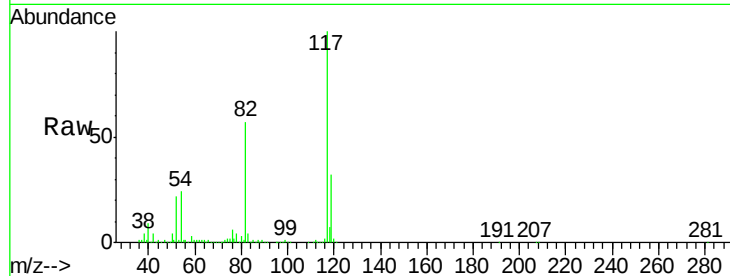
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	666147		
82	57.4		44.9	67.3
119	32.3		25.4	38.2

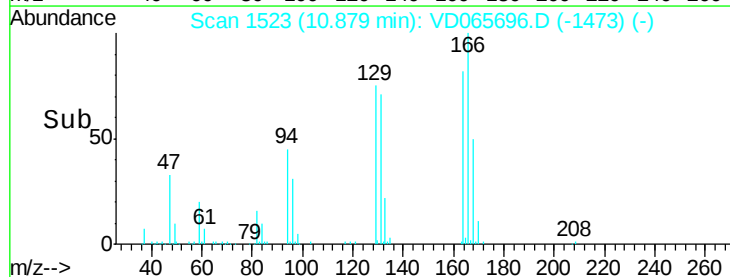
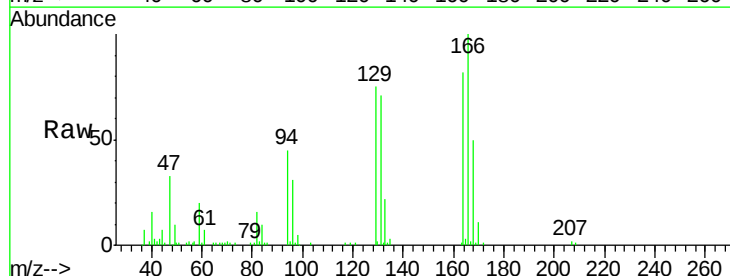
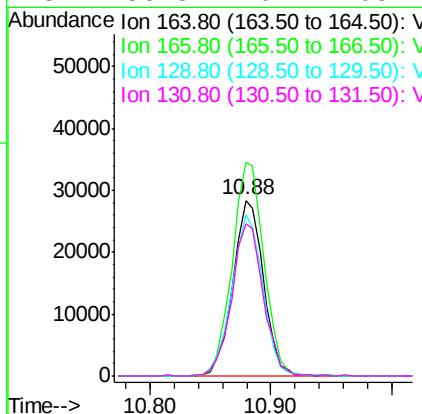
Manual Integrations
APPROVED

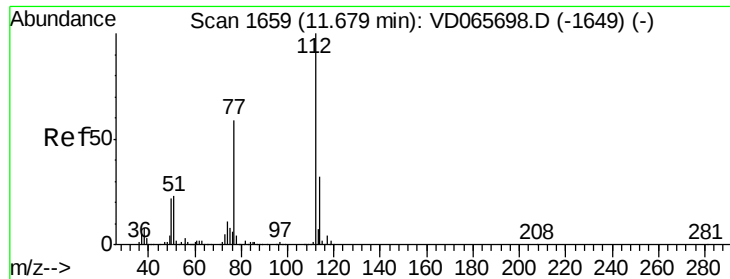
MMDadoda
5/7/2020 10:35:56 AM



#64
Tetrachloroethene
Concen: 9.755 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50049		
166	121.5		104.3	156.5
129	91.5		71.9	107.9
131	86.8		70.2	105.2





#65

Chlorobenzene

Concen: 9.855 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 138487

Ion Ratio Lower Upper

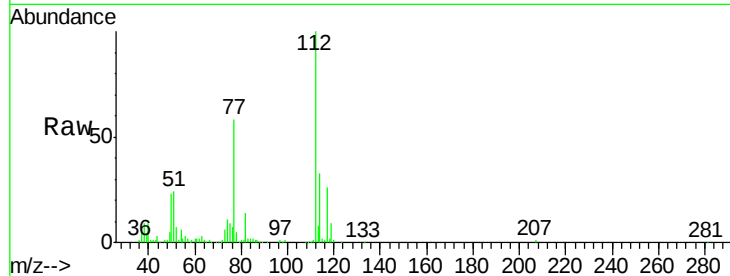
112 100

114 33.1 25.4 38.0

Manual Integrations
APPROVED

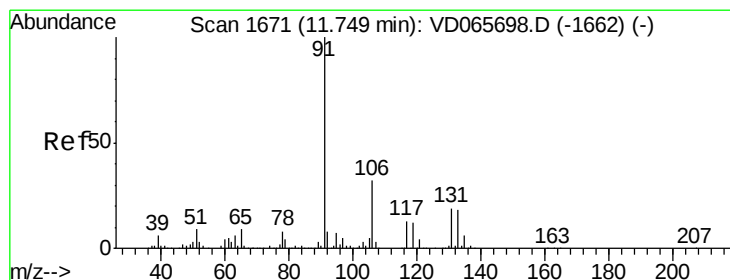
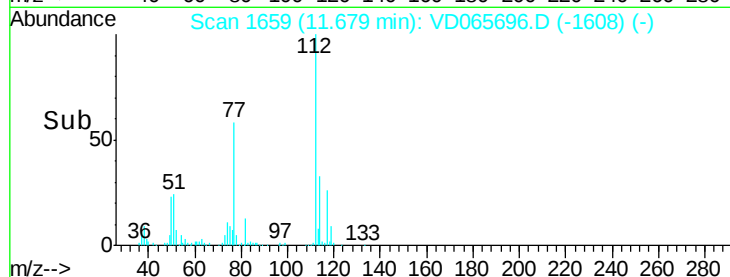
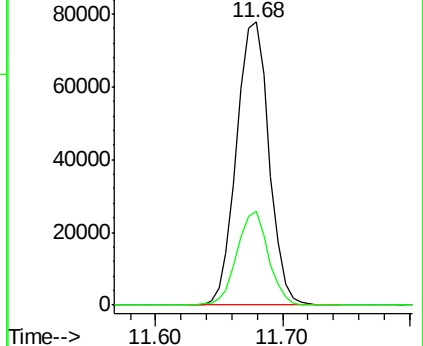
MMDadoda

5/7/2020 10:35:56 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 9.620 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

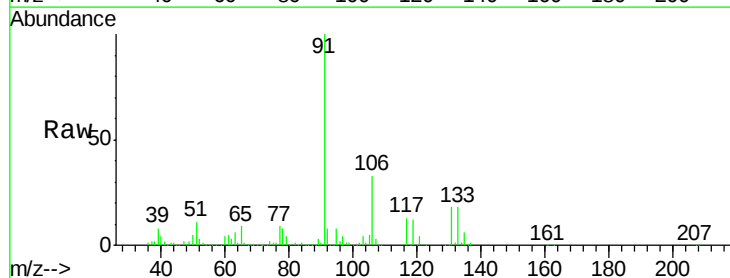
Tgt Ion:131 Resp: 51409

Ion Ratio Lower Upper

131 100

133 95.9 47.3 141.8

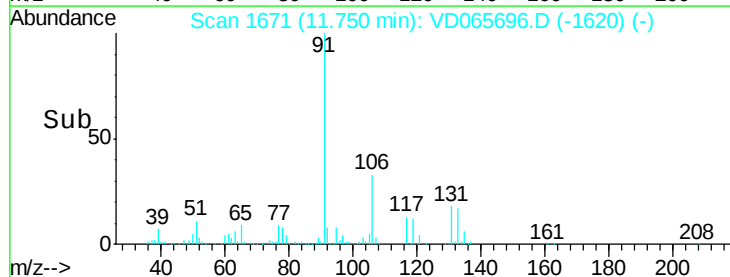
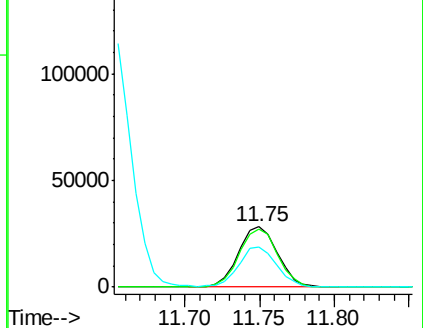
119 65.0 31.8 95.4

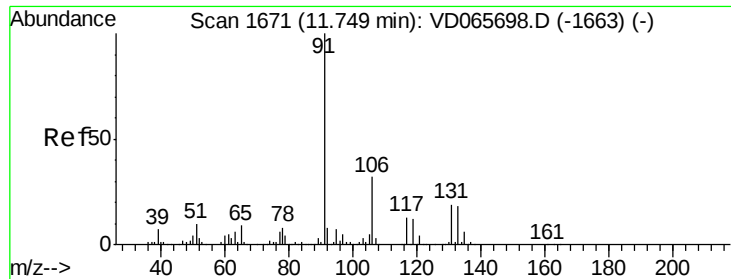


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





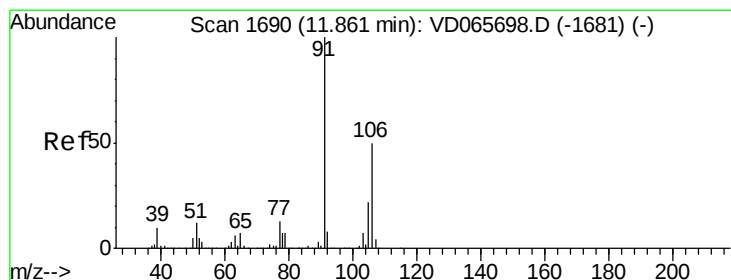
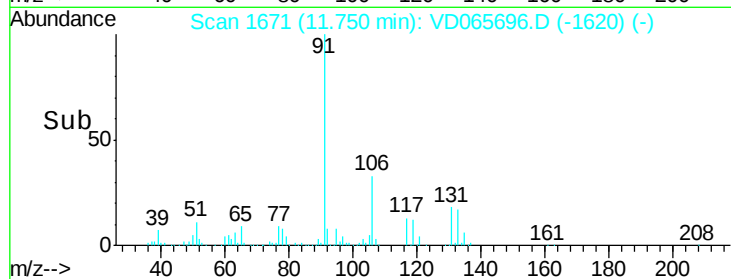
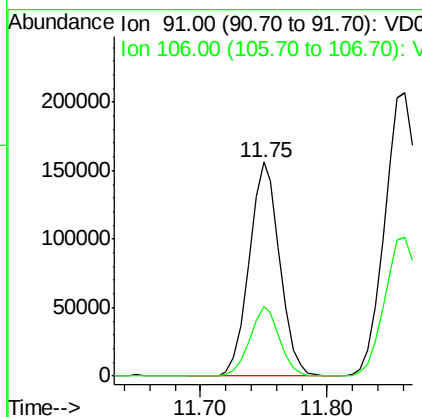
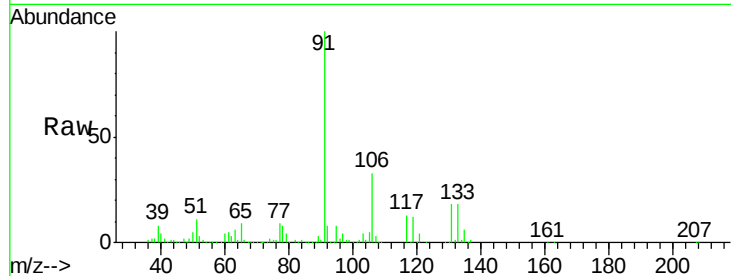
#67
Ethyl Benzene
Concen: 11.125 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 260845
Ion Ratio Lower Upper
91 100
106 32.7 25.2 37.8

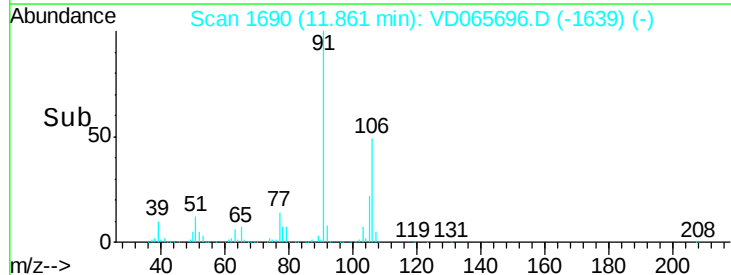
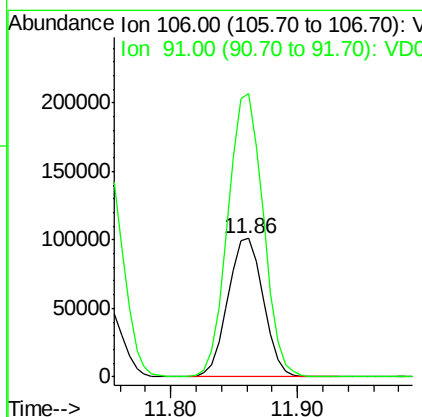
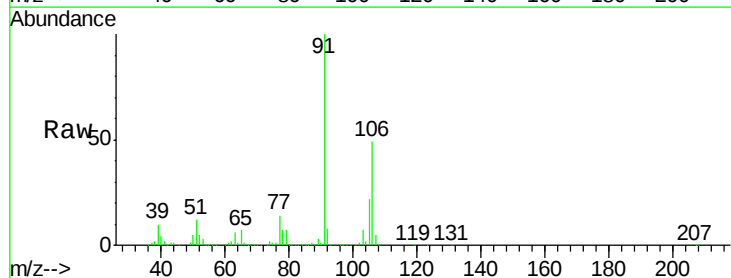
Manual Integrations
APPROVED

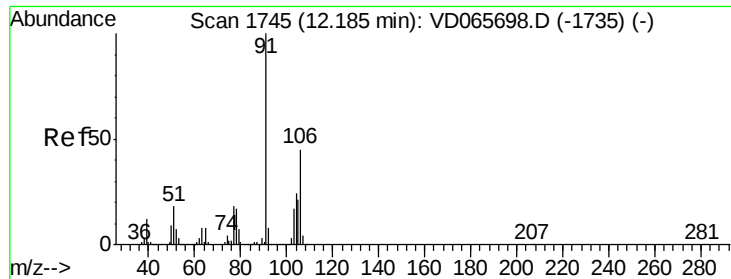
MMDadoda
5/7/2020 10:35:56 AM



#68
m/p-Xylenes
Concen: 21.556 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Tgt Ion: 106 Resp: 196673
Ion Ratio Lower Upper
106 100
91 202.2 163.1 244.7





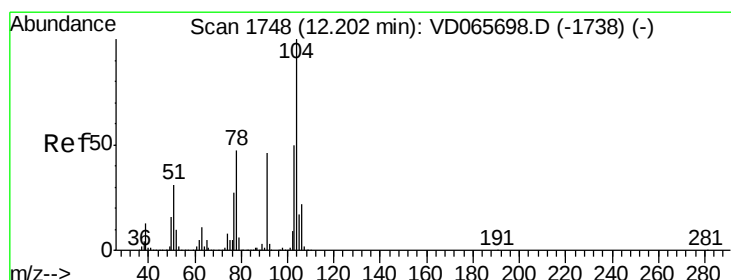
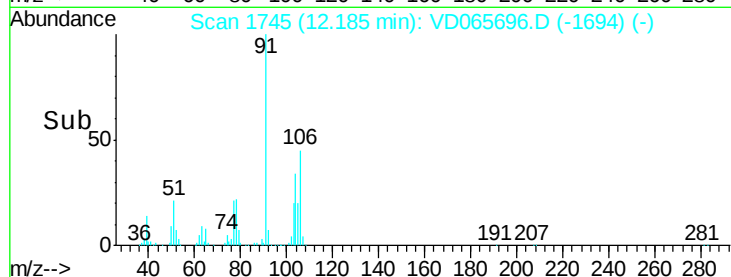
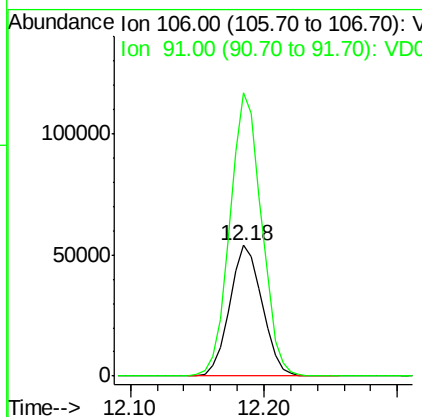
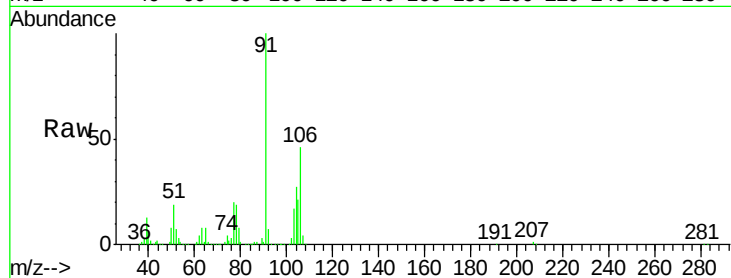
#69
o-Xylene
Concen: 11.453 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 91354
Ion Ratio Lower Upper
106 100
91 211.6 107.9 323.7

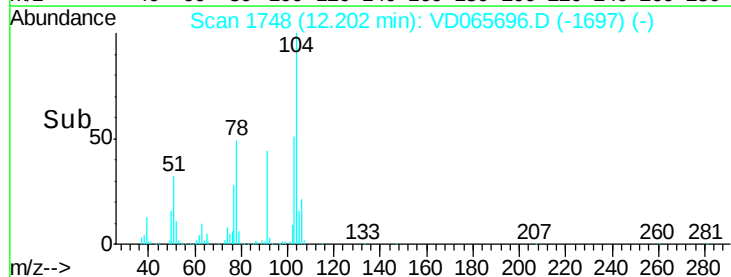
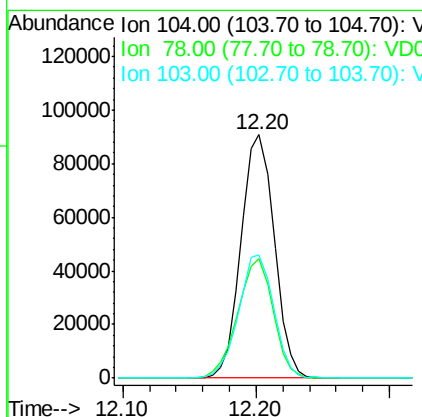
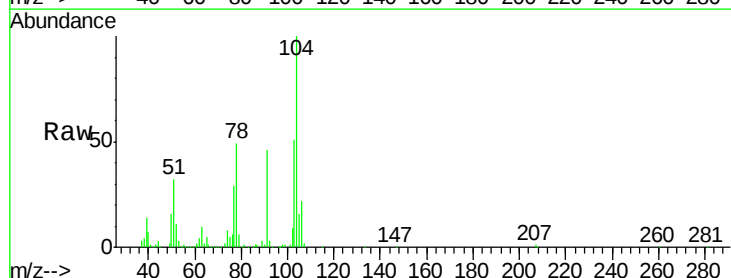
Manual Integrations
APPROVED

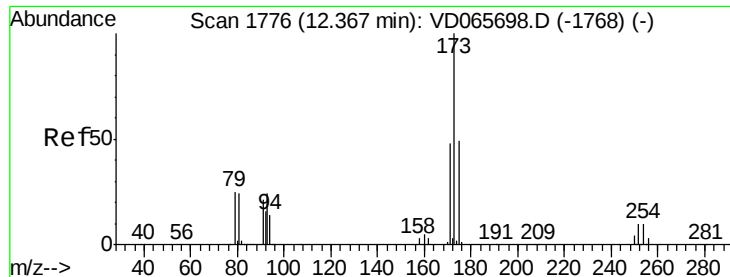
MMDadoda
5/7/2020 10:35:56 AM



#70
Styrene
Concen: 11.217 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Tgt Ion:104 Resp: 156694
Ion Ratio Lower Upper
104 100
78 52.3 41.0 61.4
103 53.7 43.8 65.6





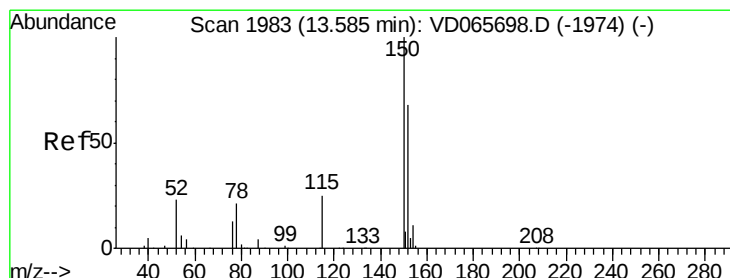
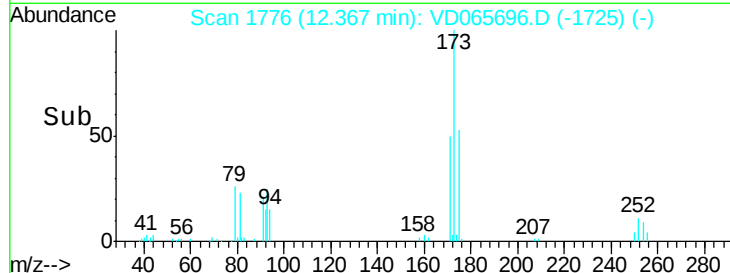
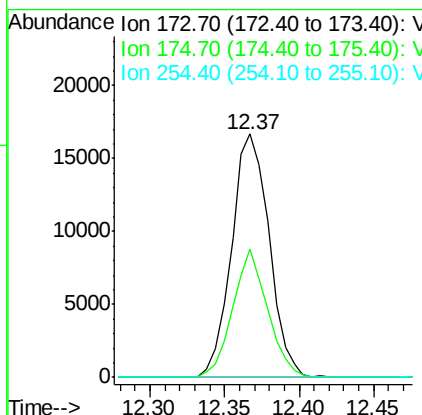
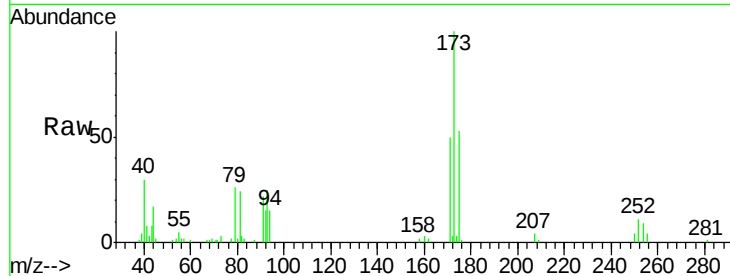
#71
Bromoform
Concen: 9.655 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.5	73.5
254	0.0	0.0	0.0

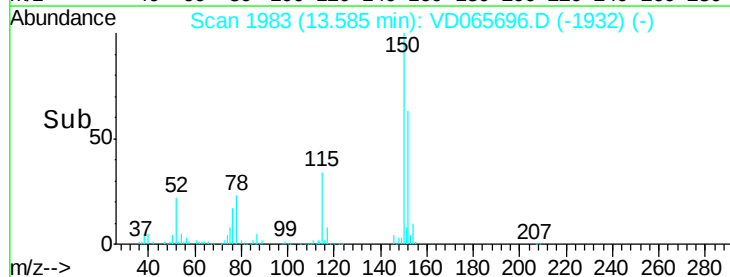
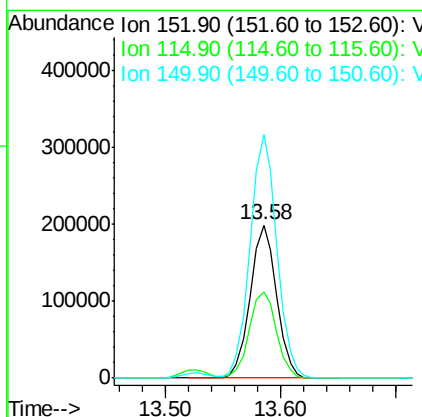
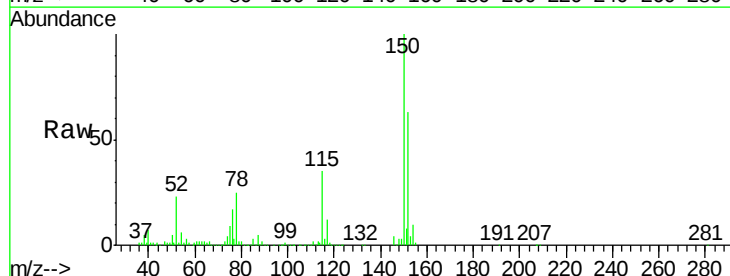
Manual Integrations
APPROVED

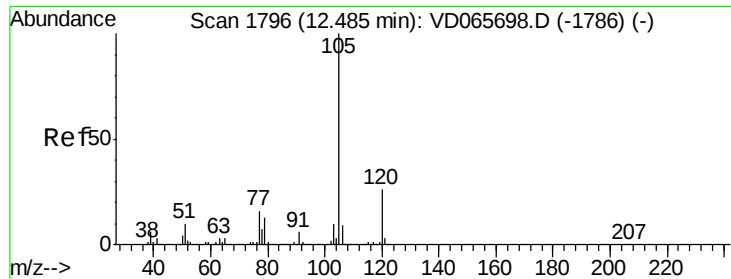
MMDadoda
5/7/2020 10:35:56 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.5	88.5
150	162.0	0.0	346.8





#73

Isopropylbenzene

Concen: 12.347 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 249931

Ion Ratio Lower Upper

105 100

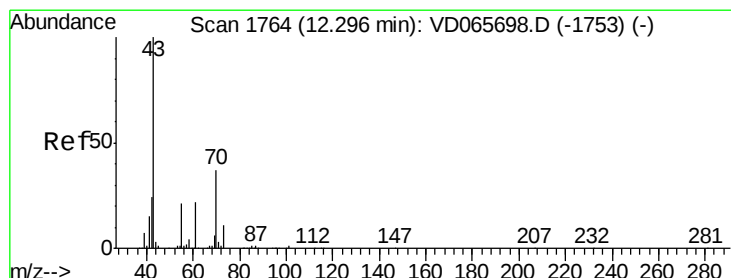
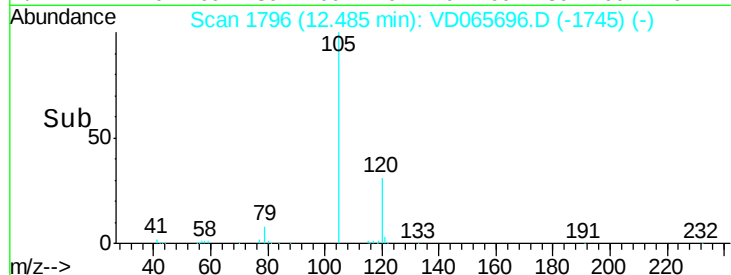
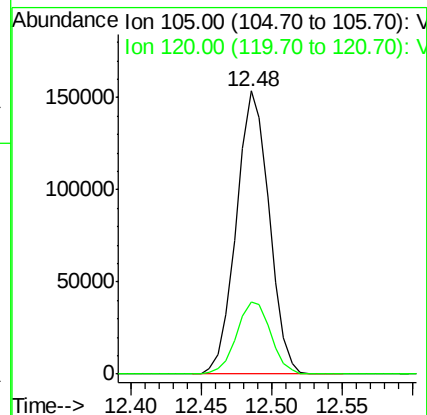
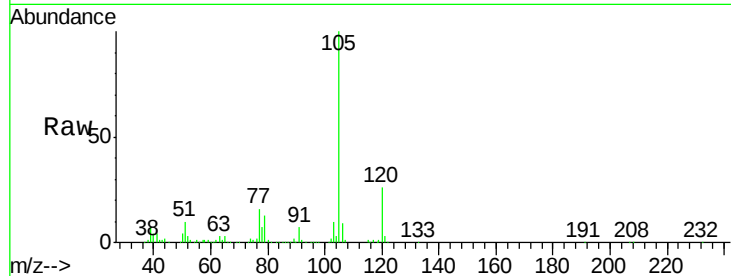
120 26.4 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:35:56 AM



#74

N-ethyl acetate

Concen: 16.035 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Tgt Ion: 43 Resp: 71888

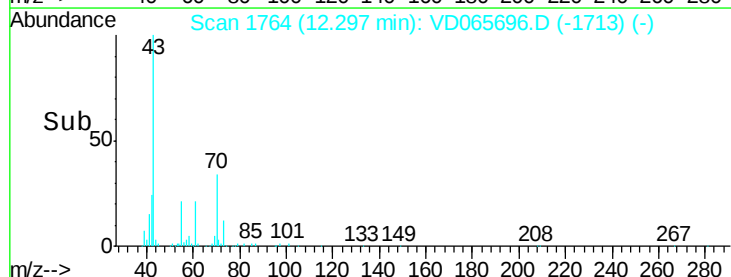
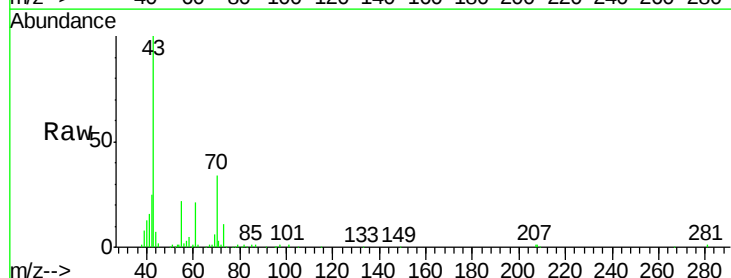
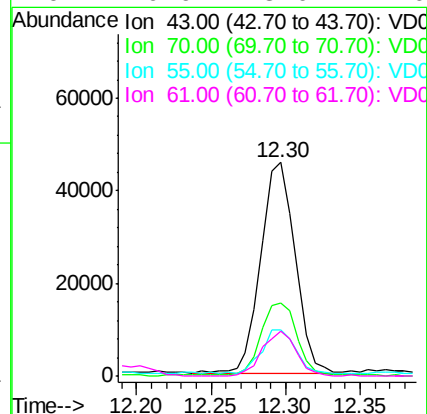
Ion Ratio Lower Upper

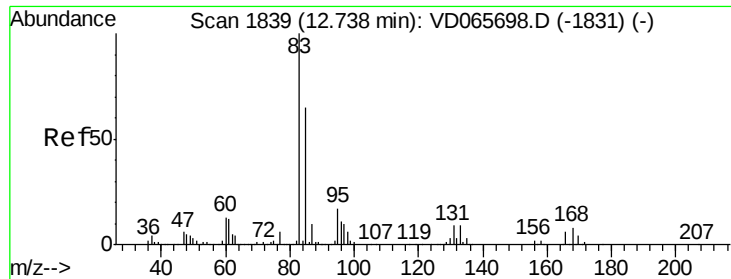
43 100

70 37.5 29.3 43.9

55 21.8 16.4 24.6

61 20.9 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 11.323 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

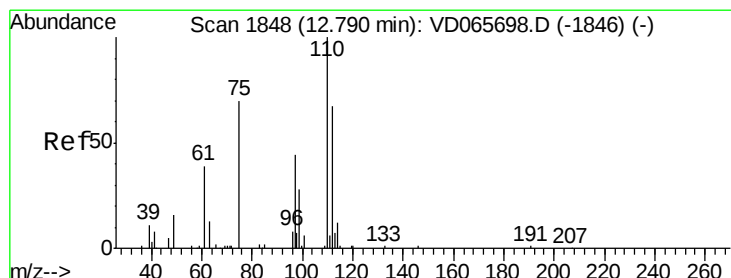
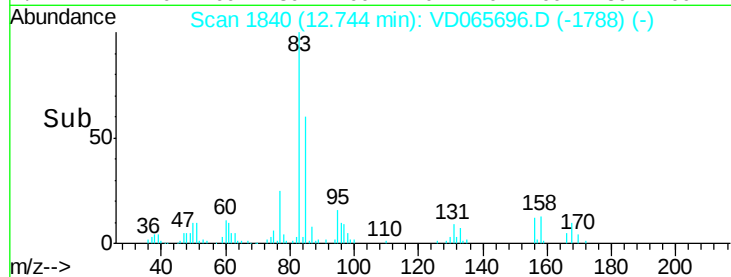
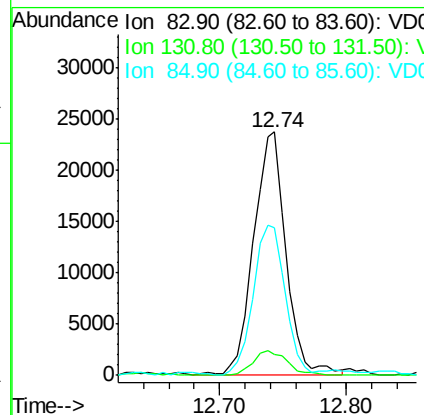
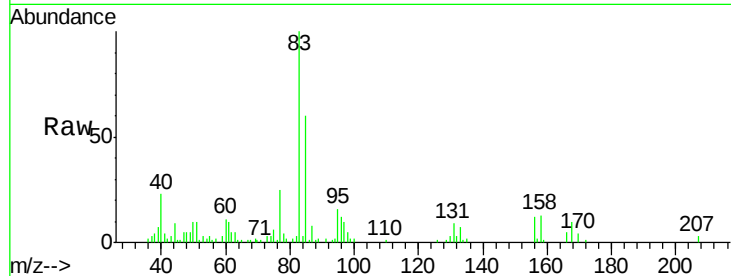
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	42500
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.7
85	61.2	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 11.446 ug/l m

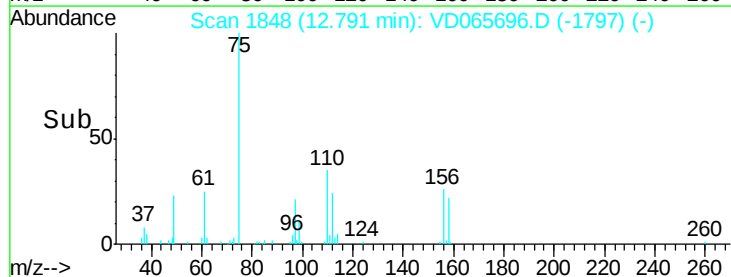
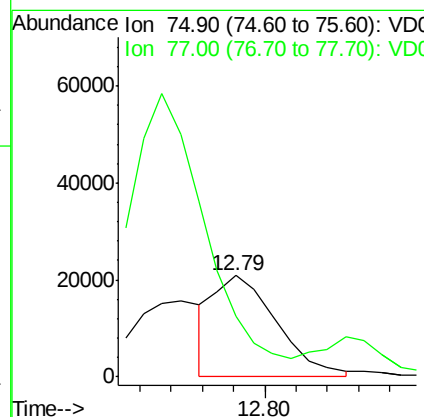
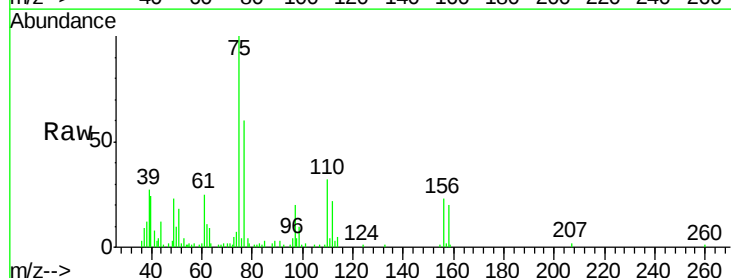
RT: 12.79 min Scan# 1848

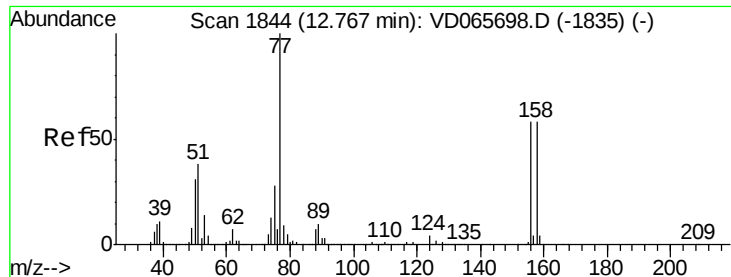
Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Tgt Ion:	75	Resp:	29339
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 10.372 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

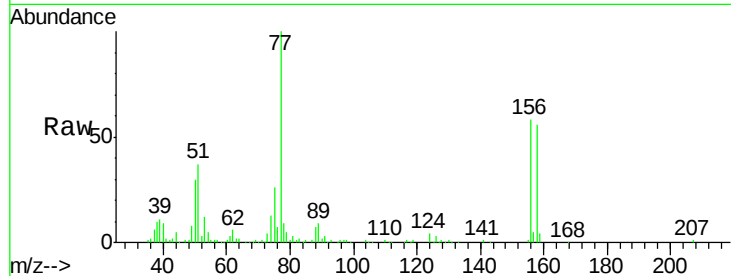
ClientSampleId :

VSTDIC010

Tot Ion:	156	Resp:	56445
Ion	Ratio	Lower	Upper
156	100		
77	187.2	92.9	278.7
158	96.9	48.9	146.7

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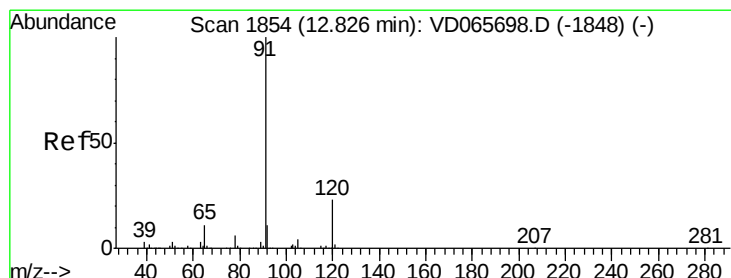
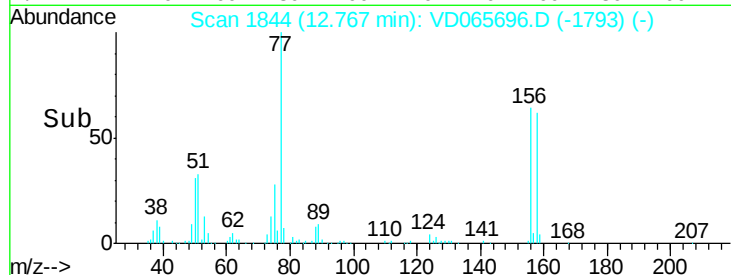
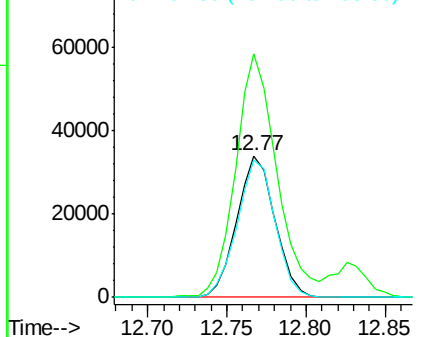
MMDadoda
5/7/2020 10:35:56 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 12.094 ug/l

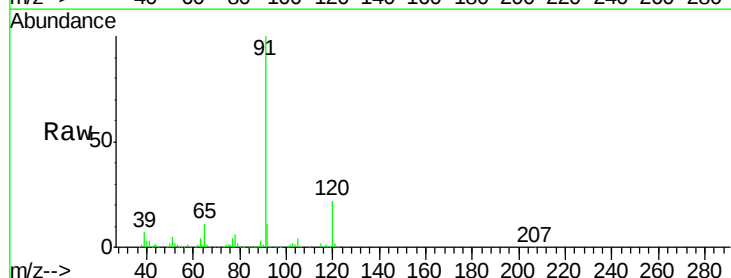
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065696.D

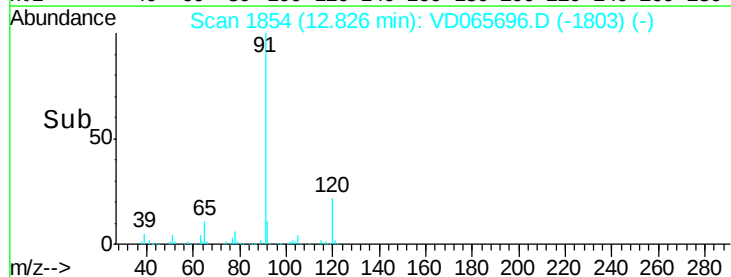
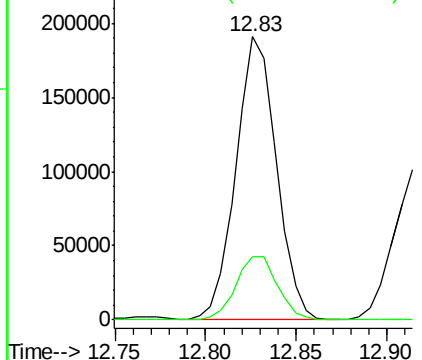
Acq: 06 May 2020 14:44

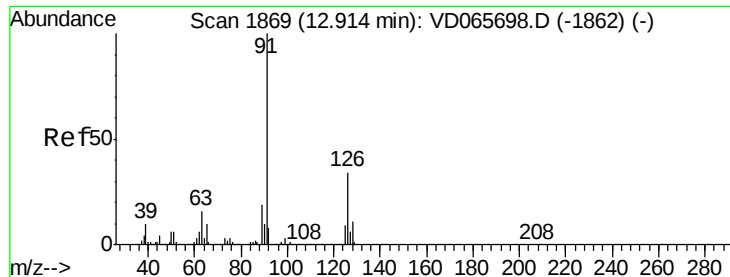
Tgt Ion:	91	Resp:	295195
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 11.851 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 166089

Ion Ratio Lower Upper

91 100

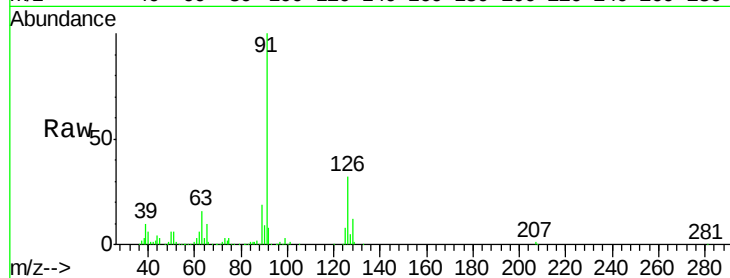
126 33.7 16.9 50.6

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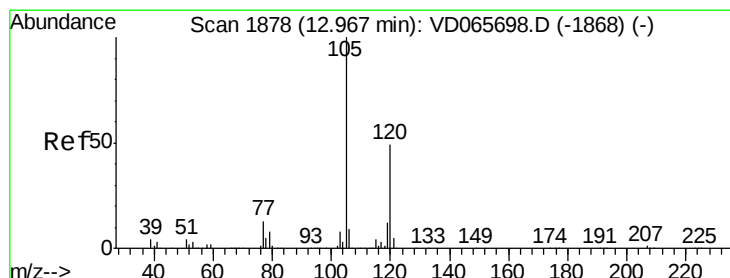
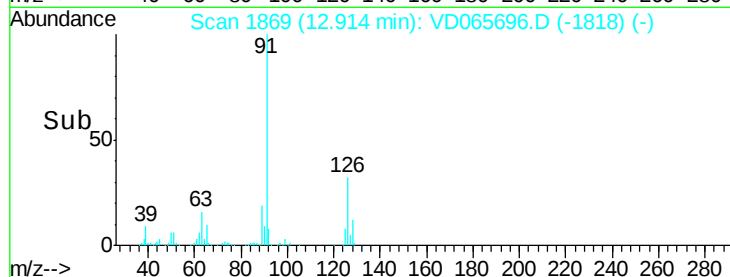


Abundance Ion 91.00 (90.70 to 91.70): VD065698.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065698.D (-1862) (-)

12.91

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 12.015 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065696.D

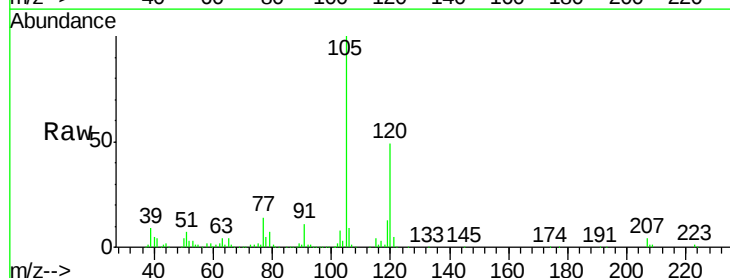
Acq: 06 May 2020 14:44

Tgt Ion: 105 Resp: 204688

Ion Ratio Lower Upper

105 100

120 48.1 24.6 73.8

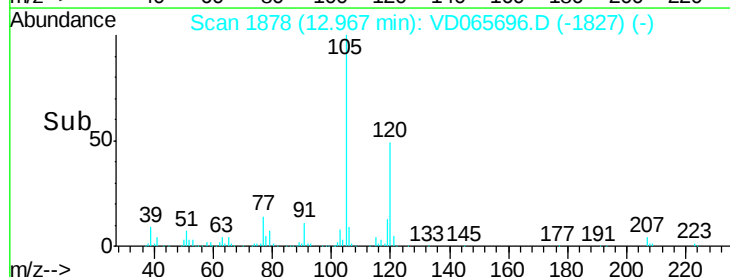


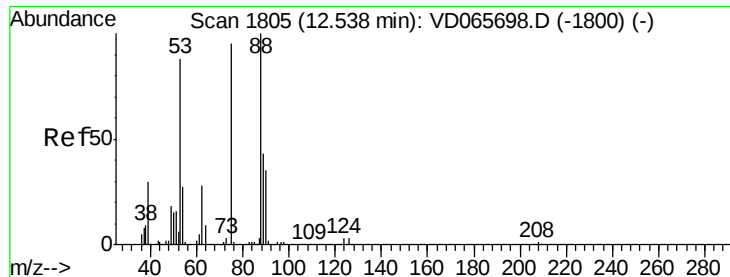
Abundance Ion 105.00 (104.70 to 105.70): VD065698.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD065698.D (-1868) (-)

12.97

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 13.585 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 15620

Ion Ratio Lower Upper

75 100

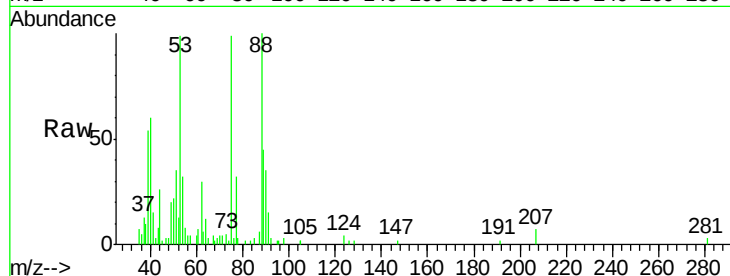
53 89.0 75.8 113.8

89 44.9 36.2 54.2

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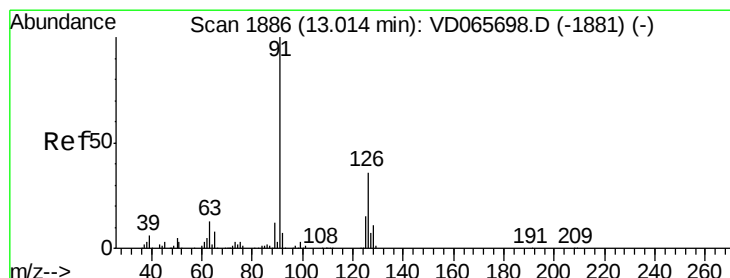
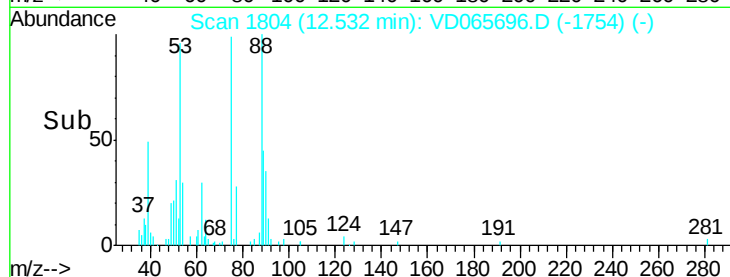
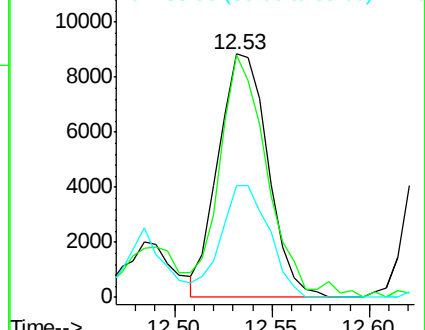
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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 11.630 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065696.D

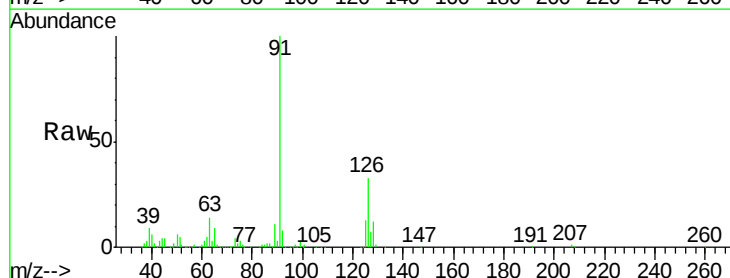
Acq: 06 May 2020 14:44

Tgt Ion: 91 Resp: 174704

Ion Ratio Lower Upper

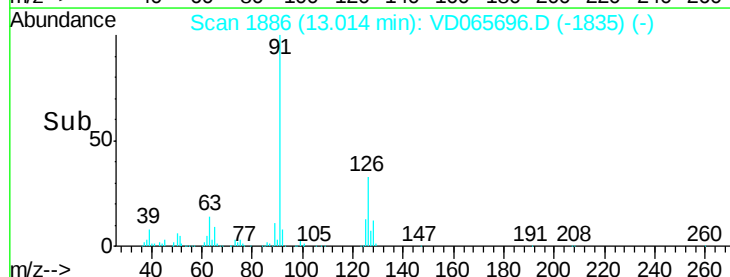
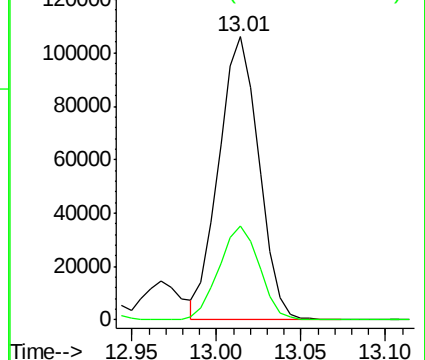
91 100

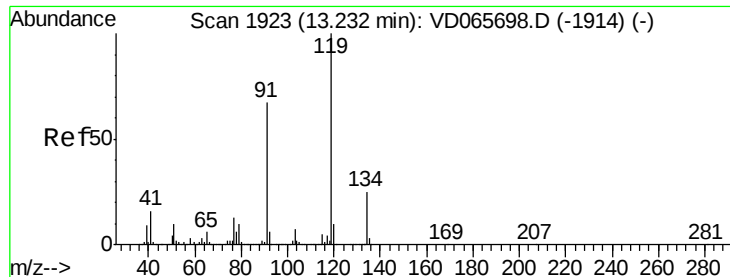
126 33.9 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 12.290 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

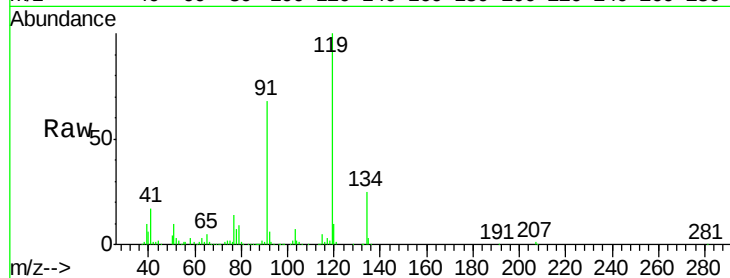
ClientSampleId :

VSTDIC010

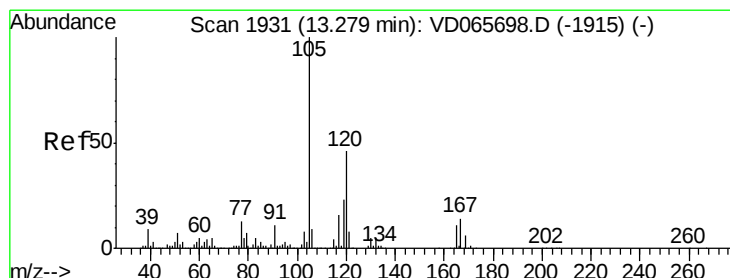
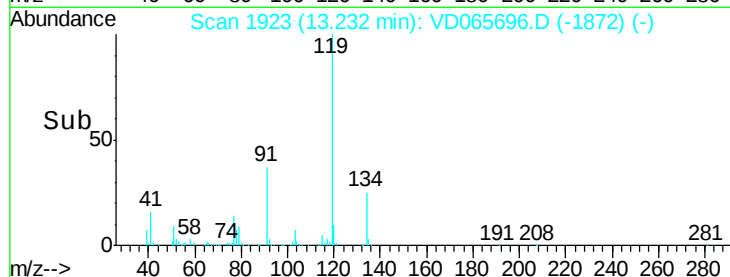
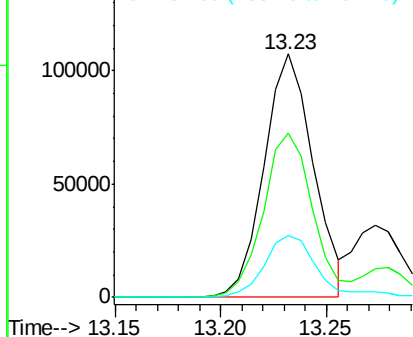
Tot Ion:	119	Resp:	174224
Ion Ratio	Lower	Upper	
119	100		
91	67.9	33.6	100.8
134	27.6	13.6	40.8

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 12.131 ug/l

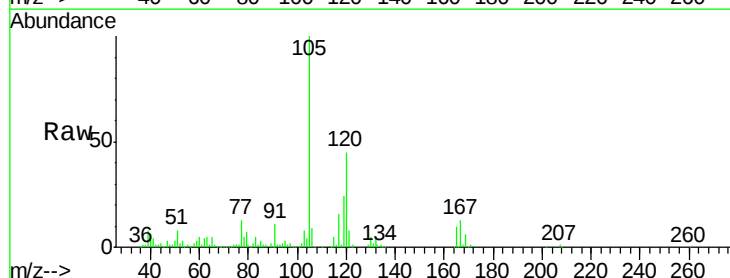
RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

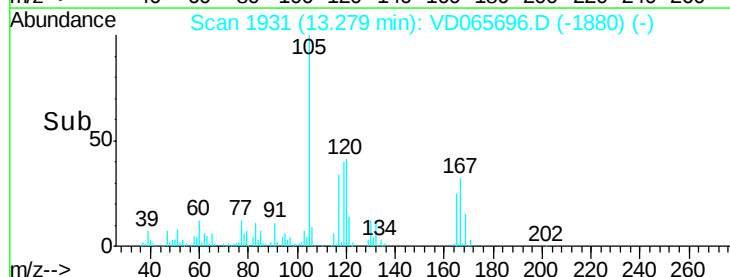
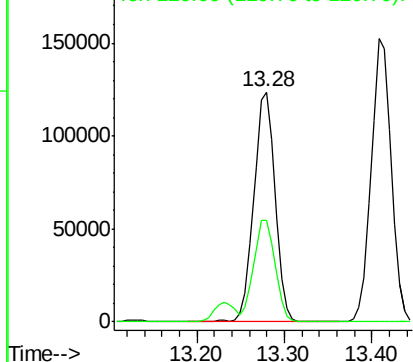
Lab File: VD065696.D

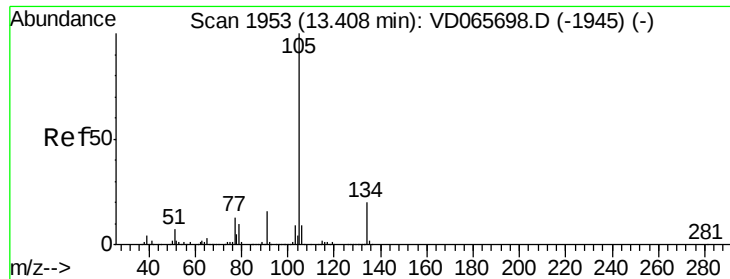
Acq: 06 May 2020 14:44

Tgt Ion:	105	Resp:	204449
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.8	68.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 11.955 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 242989

Ion Ratio Lower Upper

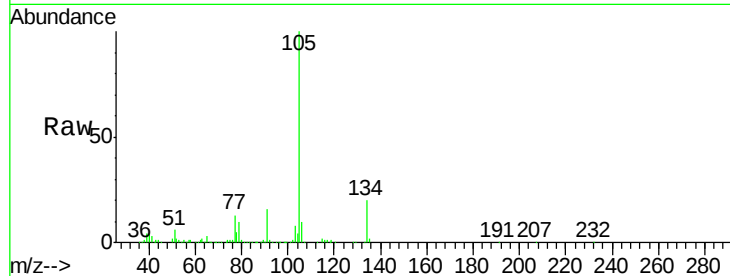
105 100

134 20.7 10.3 30.8

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

Ion 134.00 (133.70 to 134.70): V

13.41

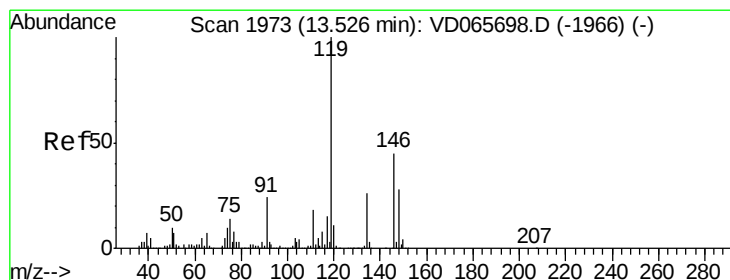
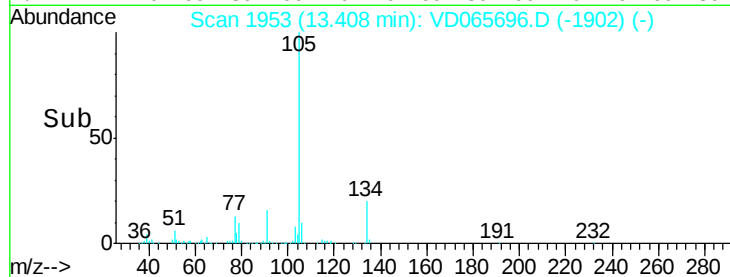
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 12.017 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065696.D

Acq: 06 May 2020 14:44

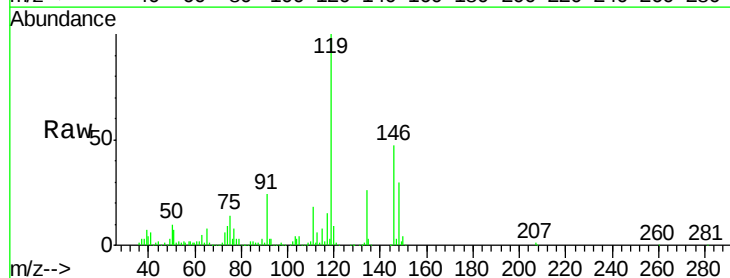
Tgt Ion:119 Resp: 223538

Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.6

91 24.2 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

200000

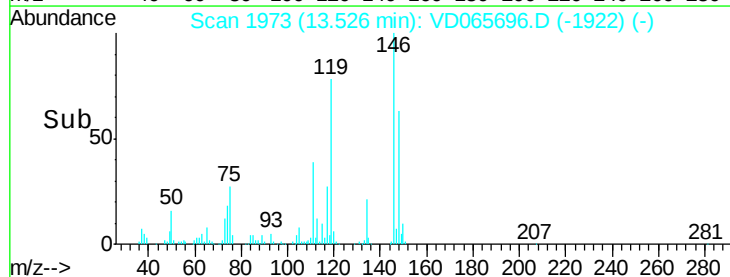
150000

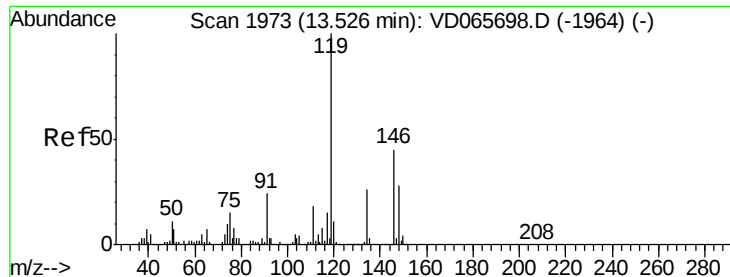
100000

50000

0

Time-->





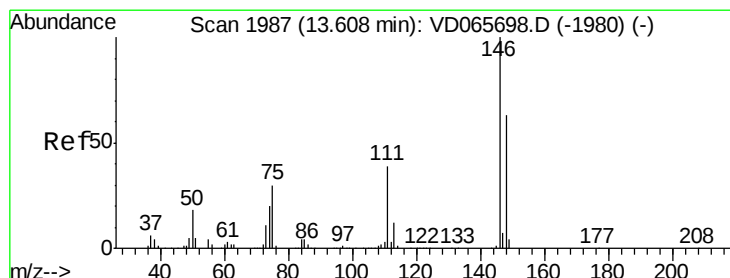
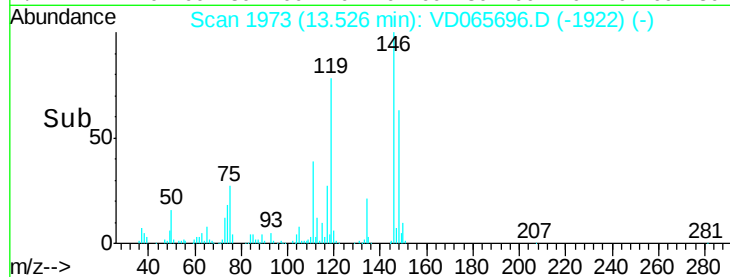
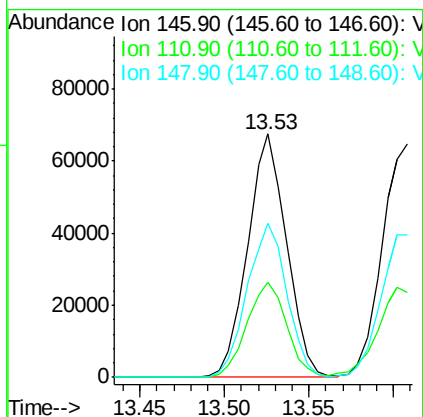
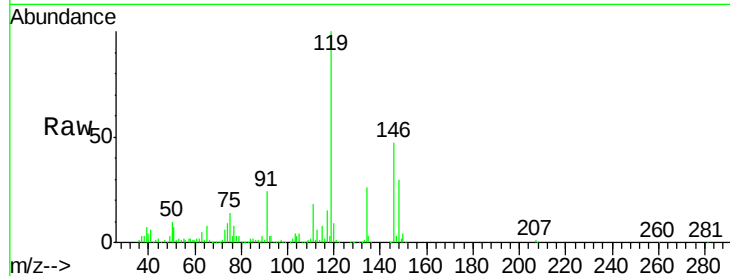
#87
 1,3-Dichlorobenzene
 Concen: 10.344 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065696.D
 Acq: 06 May 2020 14:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.8
148	64.5	31.9	95.7

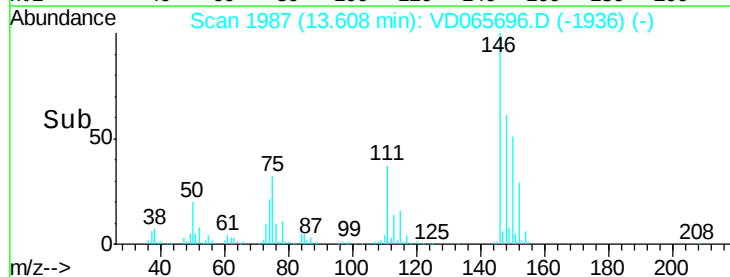
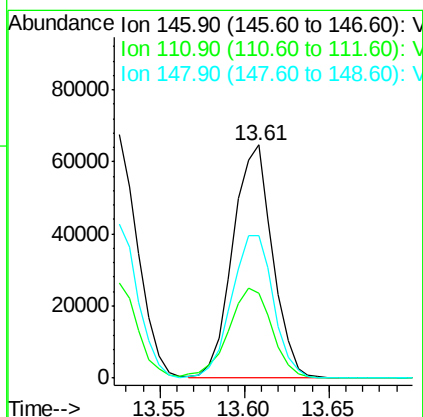
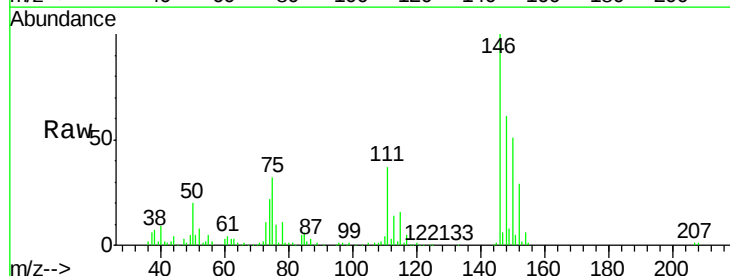
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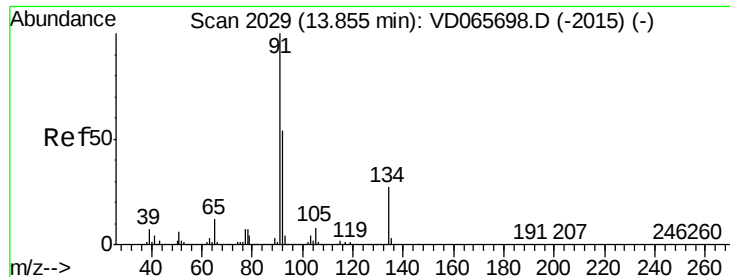
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#88
 1,4-Dichlorobenzene
 Concen: 10.095 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VD065696.D
 Acq: 06 May 2020 14:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	19.6	58.7
148	64.7	31.9	95.5





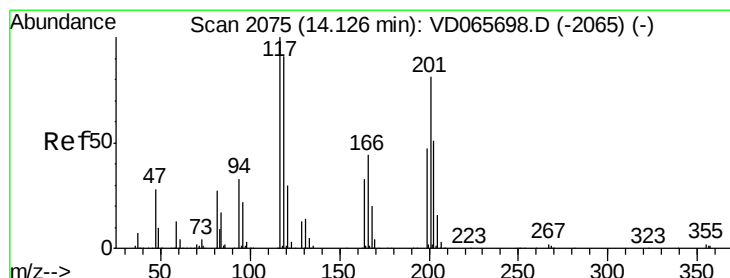
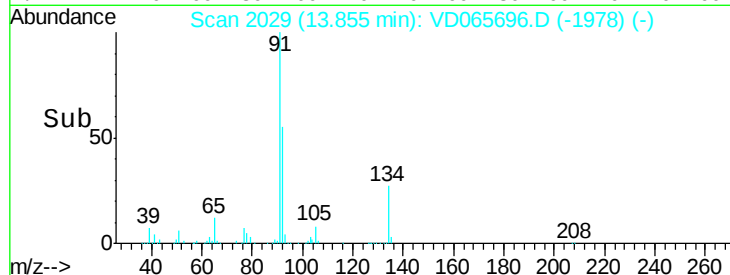
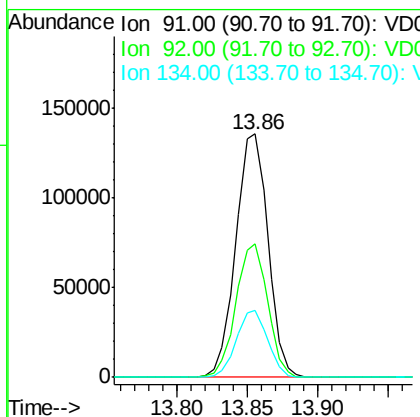
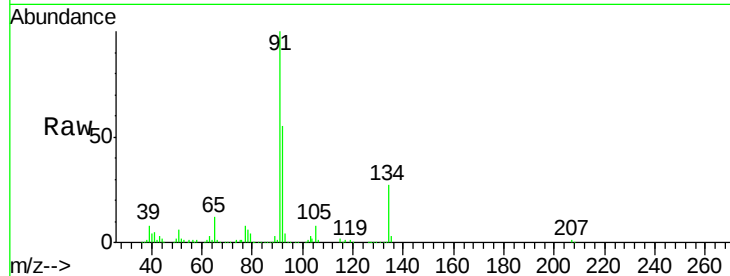
#89
n-Butylbenzene
Concen: 12.657 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100	21651		
92	54.0		27.4	82.0
134	26.7		13.3	39.8

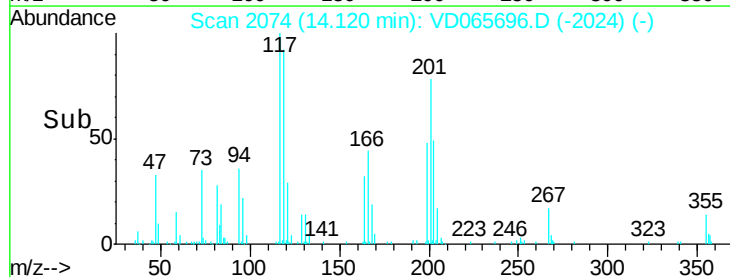
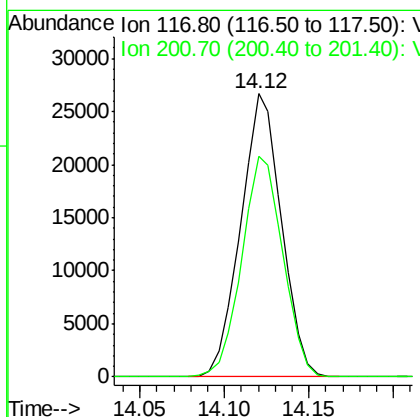
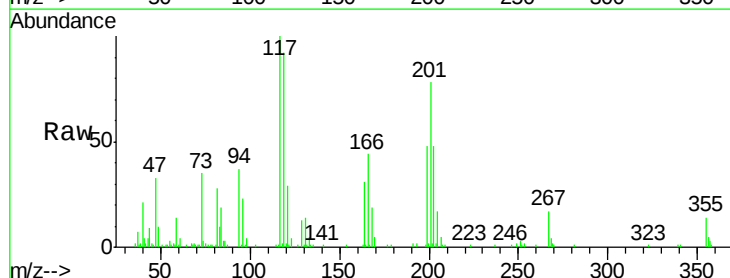
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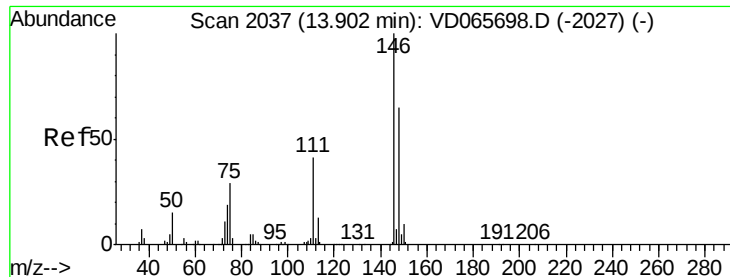
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5/7/2020 10:35:56 AM



#90
Hexachloroethane
Concen: 10.962 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.01 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44718		
201	78.5		39.1	117.2





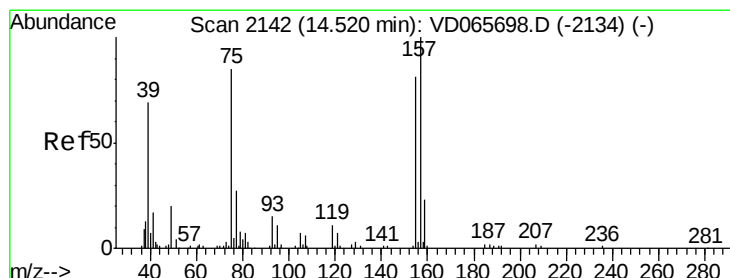
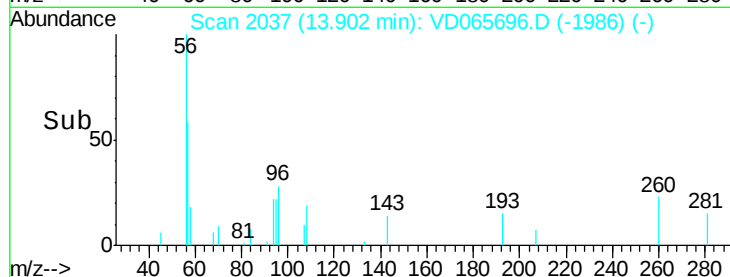
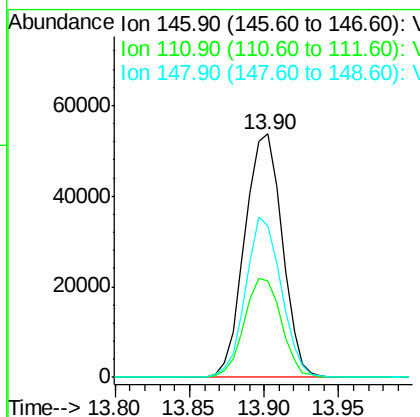
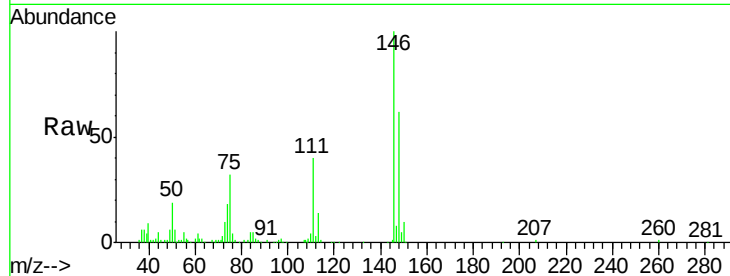
#91
 1,2-Dichlorobenzene
 Concen: 10.444 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065696.D
 Acq: 06 May 2020 14:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	61.0
148	62.7	31.9	95.9

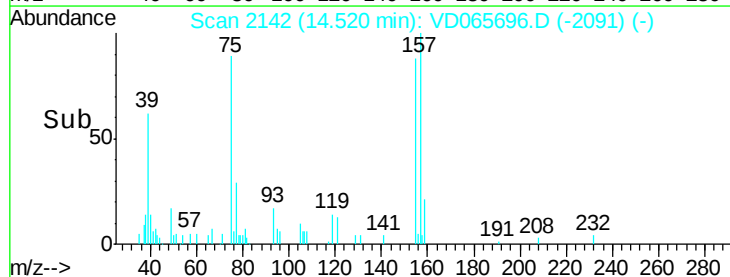
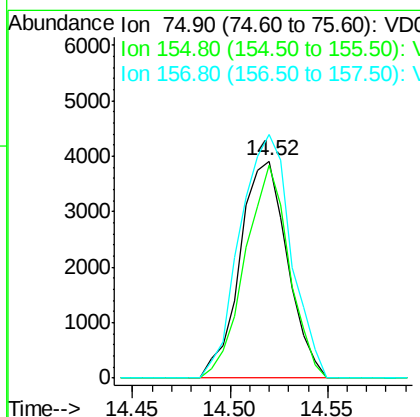
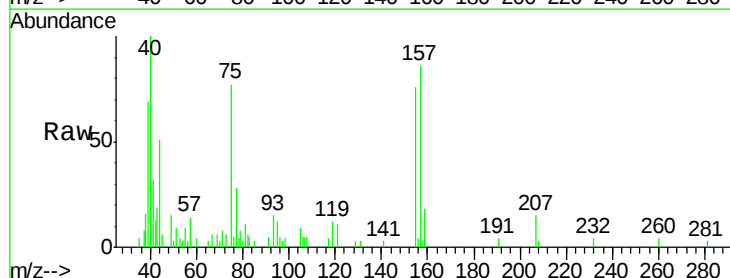
Manual Integrations
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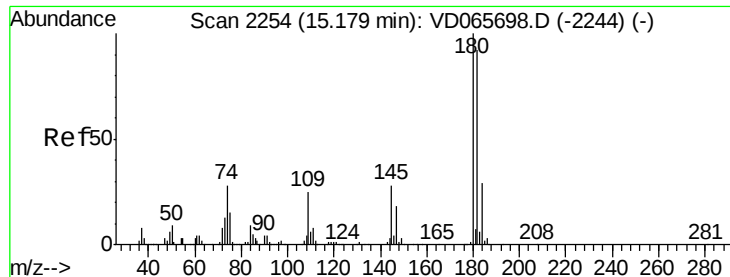
MMDadoda
 5/7/2020 10:35:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.039 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065696.D
 Acq: 06 May 2020 14:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	43.5	130.5
157	120.5	54.5	163.6





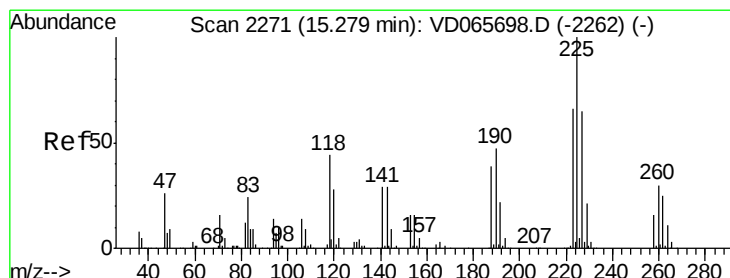
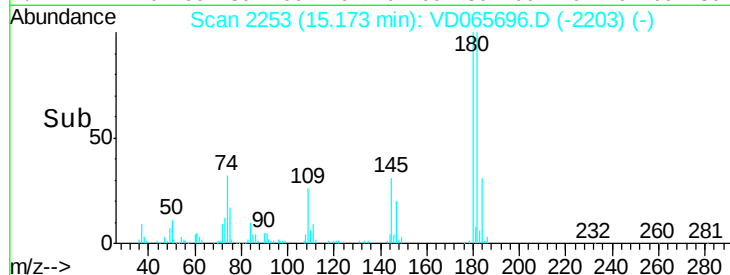
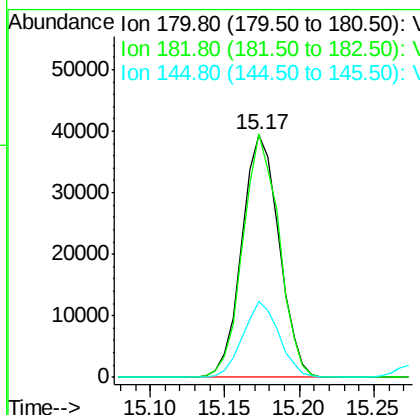
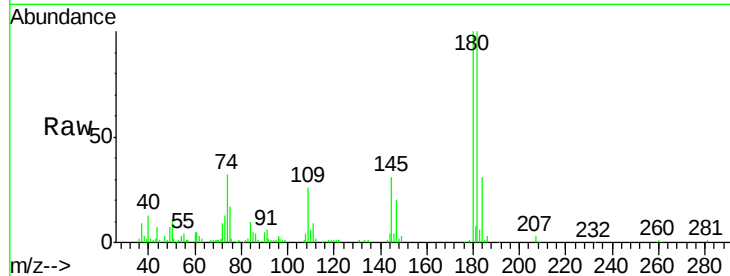
#93
 1,2,4-Trichlorobenzene
 Concen: 11.315 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065696.D
 Acq: 06 May 2020 14:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.0	141.0
145	30.2	14.8	44.3

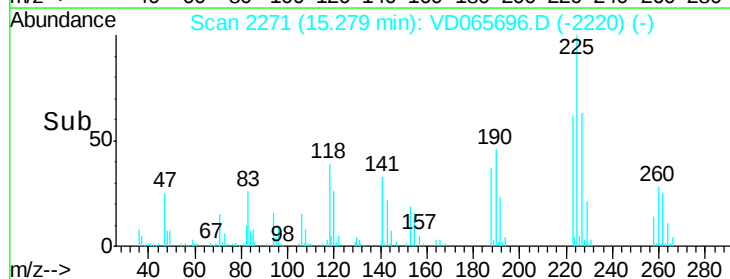
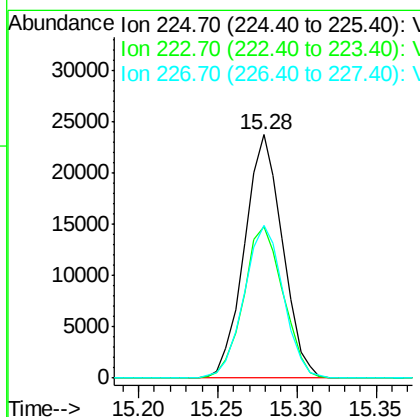
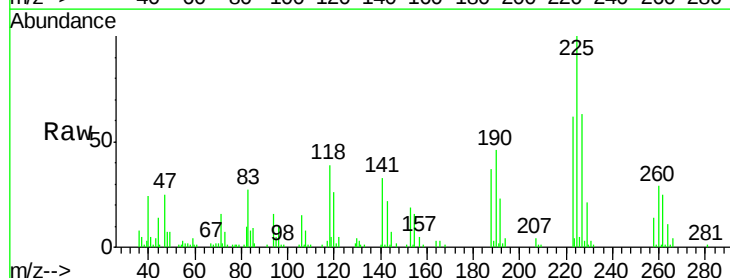
Manual Integrations
 APPROVED

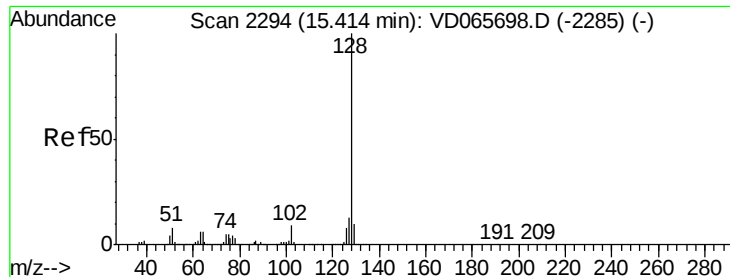
MMDadoda
 5/7/2020 10:35:56 AM



#94
 Hexachlorobutadiene
 Concen: 9.756 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065696.D
 Acq: 06 May 2020 14:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.8	95.3
227	64.7	31.6	94.8





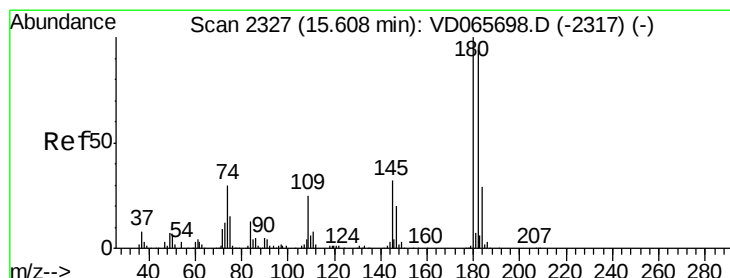
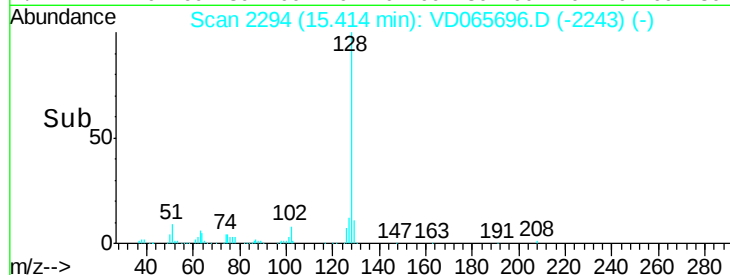
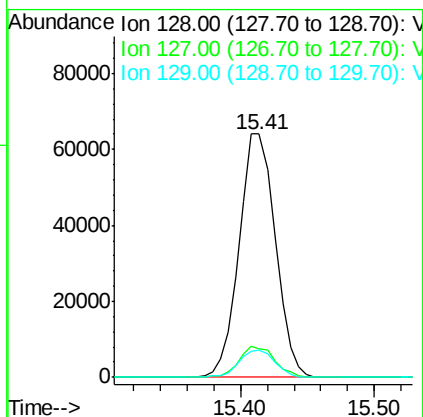
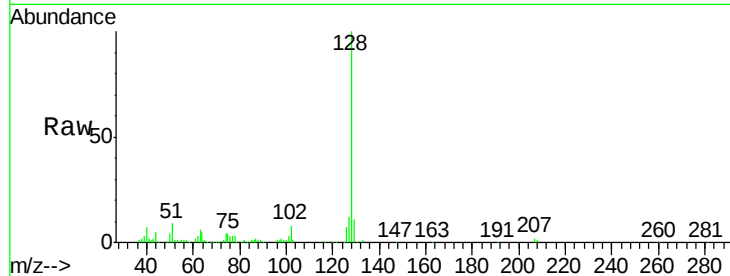
#95
Naphthalene
Concen: 13.340 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	11.0	9.0	13.4

Manual Integrations
APPROVED

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5/7/2020 10:35:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 11.272 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065696.D
Acq: 06 May 2020 14:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.9	140.6
145	32.9	16.0	47.9

