

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065537.D
 Acq On : 27 Mar 2020 11:54
 Operator : VA/SY
 Sample : VD0327SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Manual Integrations
 APPROVED

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 3/30/2020 2:55:25 PM

Quant Time: Mar 30 06:58:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	515975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	747498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	696030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	353755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	223872	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
35) Dibromofluoromethane	7.92	113	237504	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.34	98	922514	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
62) 4-Bromofluorobenzene	12.64	95	292373	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	81910	26.346	ug/l	99
3) Chloromethane	2.21	50	103131	23.686	ug/l	100
4) Vinyl Chloride	2.35	62	105210	22.065	ug/l	95
5) Bromomethane	2.76	94	72380	22.356	ug/l	100
6) Chloroethane	2.92	64	66206	21.487	ug/l	97
7) Trichlorofluoromethane	3.27	101	157858	22.191	ug/l	99
8) Diethyl Ether	3.70	74	48077	21.300	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	101071	21.543	ug/l	98
10) Methyl Iodide	4.29	142	103155	19.002	ug/l	99
11) Tert butyl alcohol	5.24	59	22006	91.110	ug/l	97
12) 1,1-Dichloroethene	4.06	96	91797	20.593	ug/l	97
13) Acrolein	3.93	56	37689	92.420	ug/l	98
14) Allyl chloride	4.71	41	136374	20.107	ug/l	99
15) Acrylonitrile	5.43	53	93963	101.094	ug/l	99
16) Acetone	4.17	43	81463	100.518	ug/l	90
17) Carbon Disulfide	4.40	76	316021	21.505	ug/l	99
18) Methyl Acetate	4.73	43	42752	20.287	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	178815	20.114	ug/l	99
20) Methylene Chloride	4.97	84	113642	19.310	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	104226	20.323	ug/l	97
22) Diisopropyl ether	6.37	45	280509	21.328	ug/l	98
23) Vinyl Acetate	6.31	43	726093	101.353	ug/l	100
24) 1,1-Dichloroethane	6.27	63	176297	21.138	ug/l	98
25) 2-Butanone	7.22	43	113099	102.759	ug/l	99
26) 2,2-Dichloropropane	7.21	77	156274	21.159	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	107798	20.284	ug/l	99
28) Bromochloromethane	7.55	49	71008	20.477	ug/l	99
29) Tetrahydrofuran	7.57	42	69428	97.329	ug/l	100
30) Chloroform	7.71	83	181126	20.965	ug/l	99
31) Cyclohexane	7.98	56	167120	20.699	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	163338	20.927	ug/l	99
36) 1,1-Dichloropropene	8.12	75	144085	21.097	ug/l	99
37) Ethyl Acetate	7.30	43	51167	19.573	ug/l	98
38) Carbon Tetrachloride	8.10	117	152965	21.265	ug/l	97

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Quant Time: Mar 30 06:58:00 2020
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 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164135	20.384	ug/l	97
40) Benzene	8.35	78	420733	21.589	ug/l	98
41) Methacrylonitrile	7.53	41	28472	18.867	ug/l	95
42) 1,2-Dichloroethane	8.43	62	109178	21.053	ug/l	99
43) Isopropyl Acetate	8.46	43	96214	20.267	ug/l	98
44) Trichloroethene	9.11	130	117052	20.700	ug/l	97
45) 1,2-Dichloropropane	9.39	63	101559	21.453	ug/l	94
46) Dibromomethane	9.48	93	53649	21.597	ug/l	98
47) Bromodichloromethane	9.67	83	137866	20.950	ug/l	98
48) Methyl methacrylate	9.46	41	43917	19.456	ug/l	96
49) 1,4-Dioxane	9.47	88	11077	410.078	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	258188	107.770	ug/l	99
52) Toluene	10.41	92	262487	21.268	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	120888	20.085	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	152324	20.685	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	75858	21.407	ug/l	93
56) Ethyl methacrylate	10.67	69	75468	19.583	ug/l	94
57) 1,3-Dichloropropane	10.95	76	123151	20.652	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	195529	97.234	ug/l	98
59) 2-Hexanone	10.99	43	168050	102.880	ug/l	97
60) Dibromochloromethane	11.14	129	98301	20.933	ug/l	100
61) 1,2-Dibromoethane	11.25	107	71927	20.972	ug/l	99
64) Tetrachloroethene	10.88	164	104196	20.898	ug/l	96
65) Chlorobenzene	11.67	112	284668	20.920	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	107104	21.107	ug/l	99
67) Ethyl Benzene	11.75	91	474256	20.693	ug/l	100
68) m/p-Xylenes	11.86	106	380943	42.332	ug/l	99
69) o-Xylene	12.19	106	162640	20.637	ug/l	99
70) Styrene	12.20	104	296873	21.327	ug/l	98
71) Bromoform	12.37	173	58034	20.734	ug/l #	99
73) Isopropylbenzene	12.48	105	451463	20.784	ug/l	99
74) N-amyl acetate	12.30	43	82704	19.293	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	79476	21.065	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	51764m	19.033	ug/l	
77) Bromobenzene	12.77	156	120223	21.180	ug/l	97
78) n-propylbenzene	12.83	91	550482	21.261	ug/l	100
79) 2-Chlorotoluene	12.91	91	309962	20.984	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	384247	21.342	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22553	18.510	ug/l	89
82) 4-Chlorotoluene	13.01	91	332774	21.199	ug/l	100
83) tert-Butylbenzene	13.23	119	308145	20.435	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	381739	21.208	ug/l	99
85) sec-Butylbenzene	13.41	105	453282	21.006	ug/l	98
86) p-Isopropyltoluene	13.53	119	418883	21.065	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	228583	20.919	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	223735	20.491	ug/l	97
89) n-Butylbenzene	13.86	91	372182	20.610	ug/l	99
90) Hexachloroethane	14.12	117	85284	20.452	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	196908	21.228	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11439	20.125	ug/l	97

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ClientSampleId :
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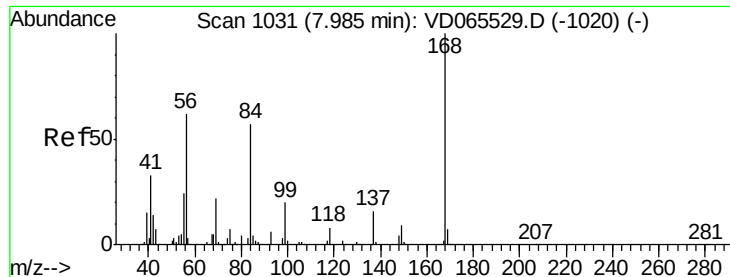
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	129580	20.200	ug/l	97
94) Hexachlorobutadiene	15.28	225	89743	21.468	ug/l	97
95) Naphthalene	15.41	128	175992	19.037	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	110047	19.974	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion:168 Resp: 515975

Ion Ratio Lower Upper

168 100

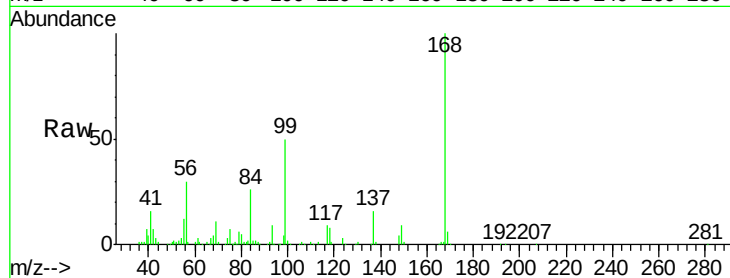
99 50.0 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

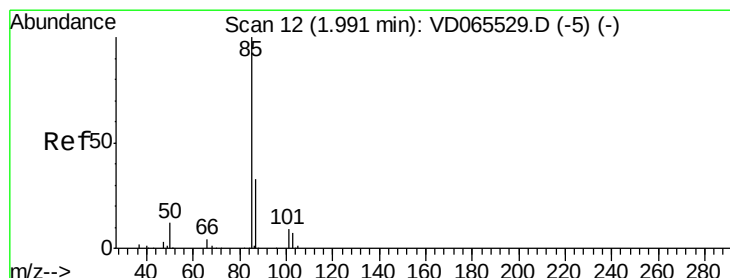
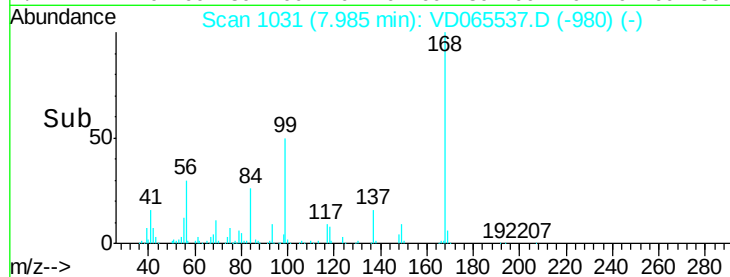
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 26.346 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065537.D

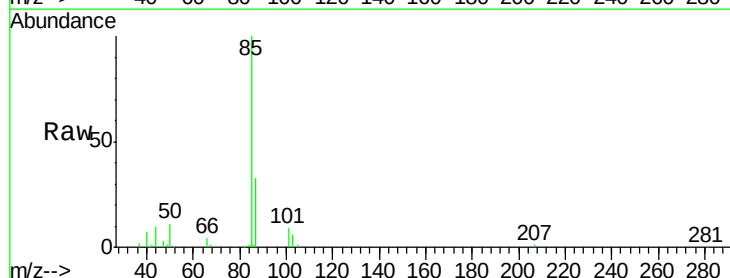
Acq: 27 Mar 2020 11:54

Tgt Ion: 85 Resp: 81910

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

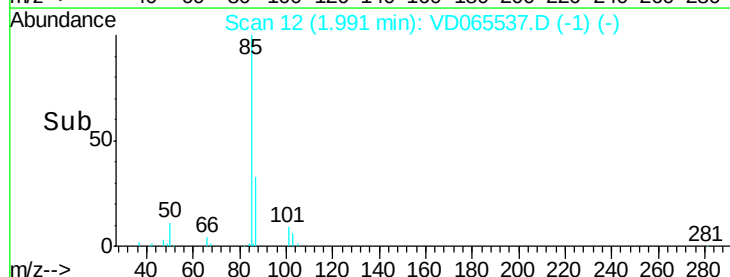
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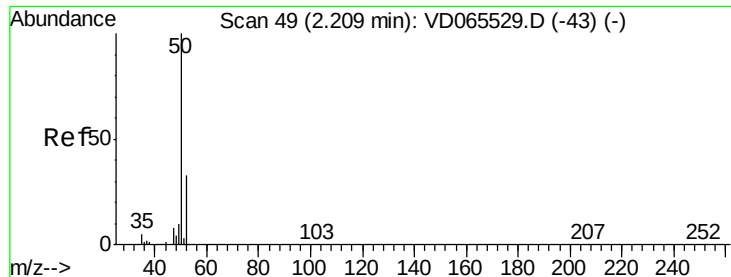
40000

20000

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Time-->





#3

Chloromethane

Concen: 23.686 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion: 50 Resp: 103131

Ion Ratio Lower Upper

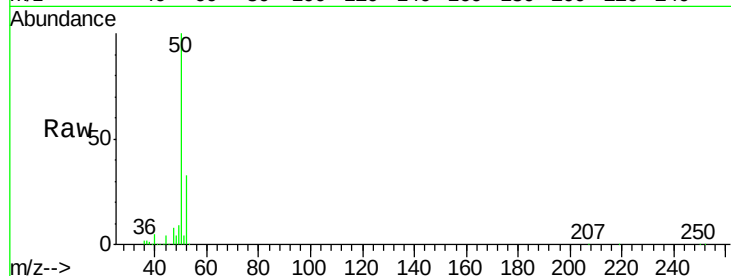
50 100

52 32.7 26.3 39.5

Manual Integrations
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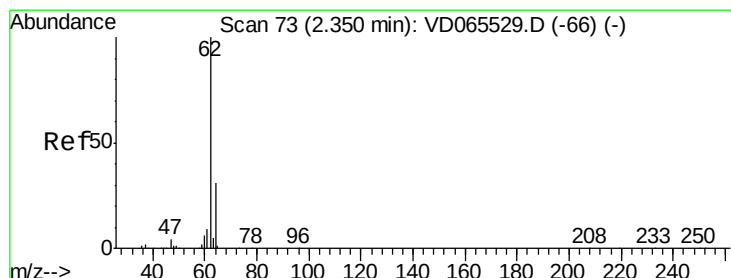
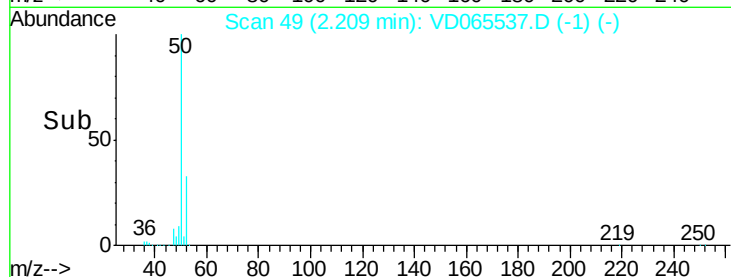
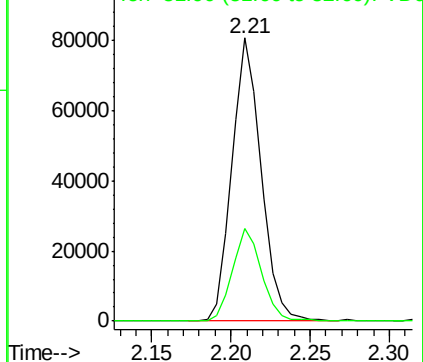
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.065 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065537.D

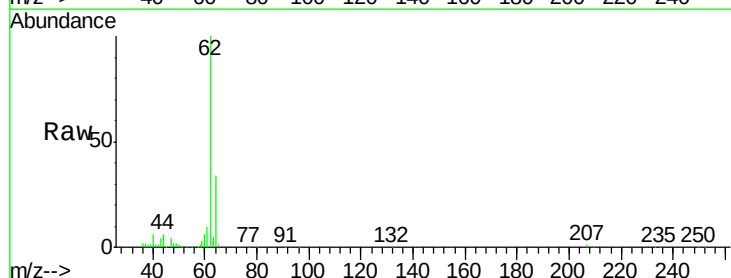
Acq: 27 Mar 2020 11:54

Tgt Ion: 62 Resp: 105210

Ion Ratio Lower Upper

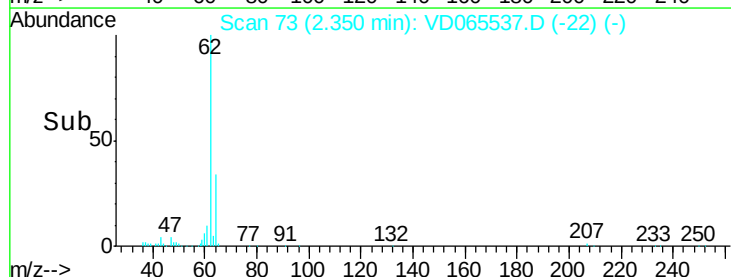
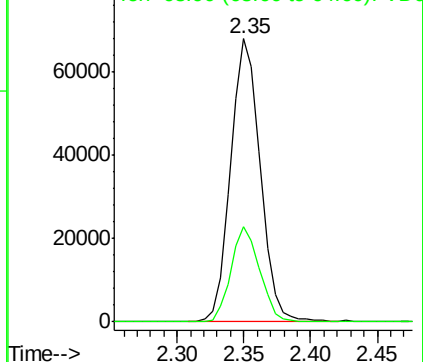
62 100

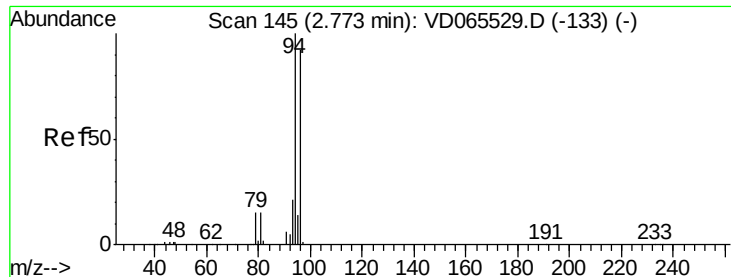
64 33.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.356 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion: 94 Resp: 72380

Ion Ratio Lower Upper

94 100

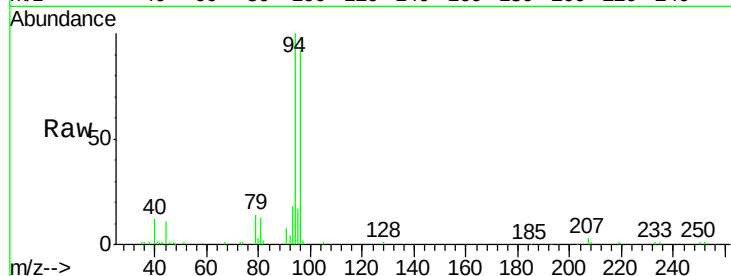
96 91.8 73.4 110.2

Manual Integrations

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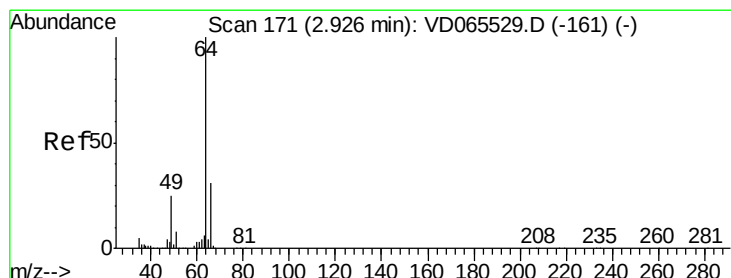
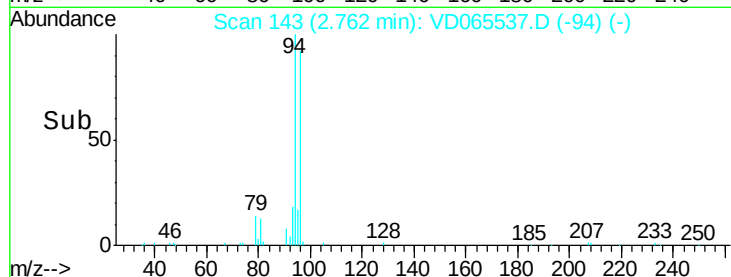
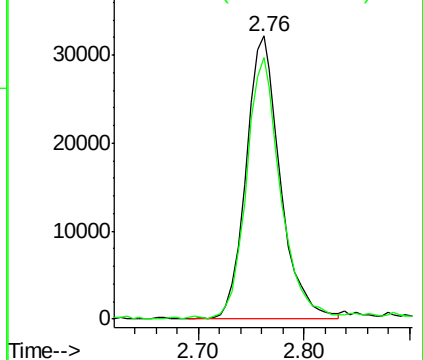
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.487 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065537.D

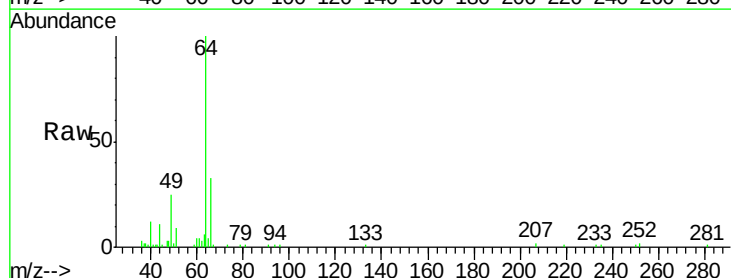
Acq: 27 Mar 2020 11:54

Tgt Ion: 64 Resp: 66206

Ion Ratio Lower Upper

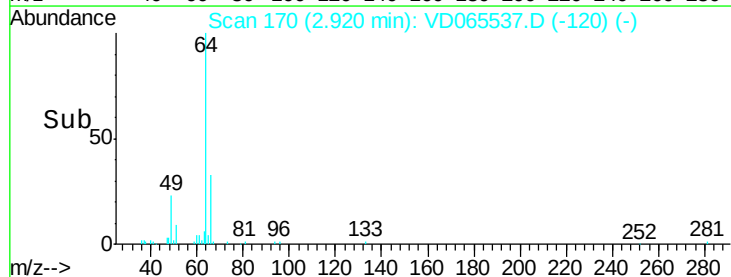
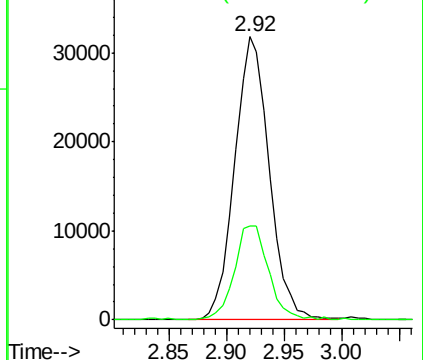
64 100

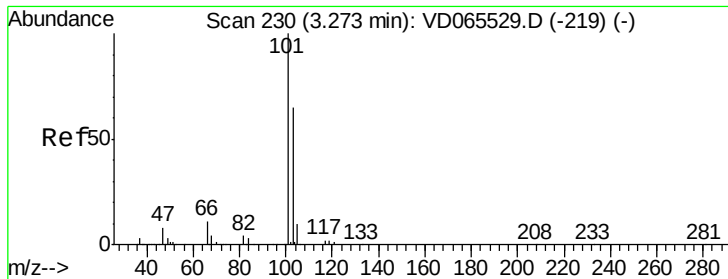
66 33.0 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

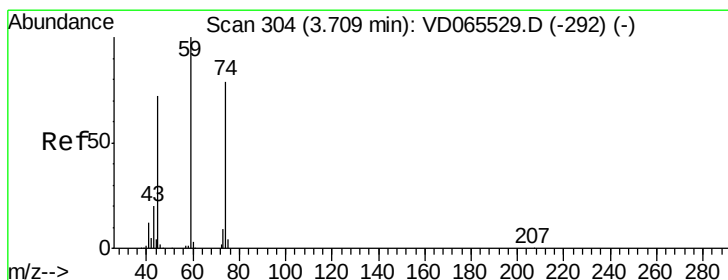
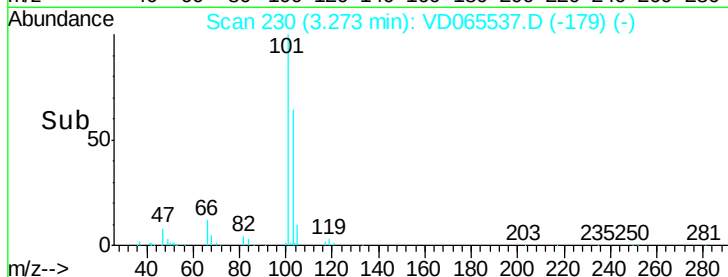
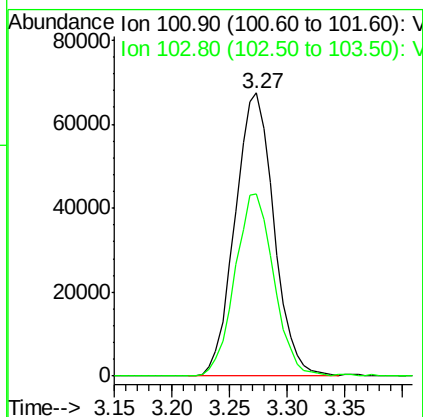
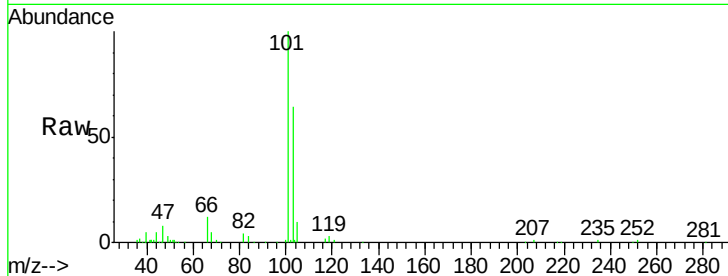
Trichlorofluoromethane
 Concen: 22.191 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.9	77.9

Manual Integrations
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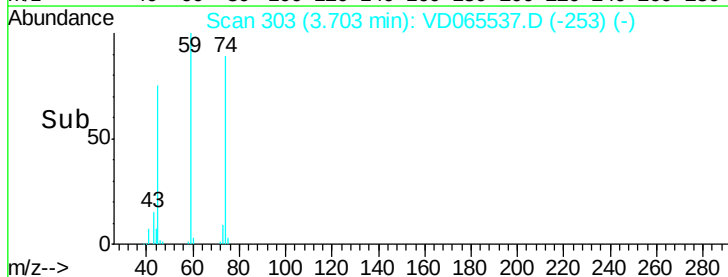
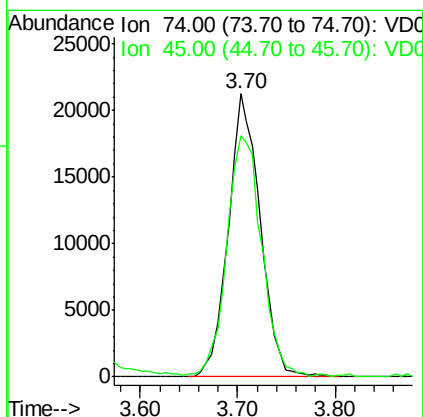
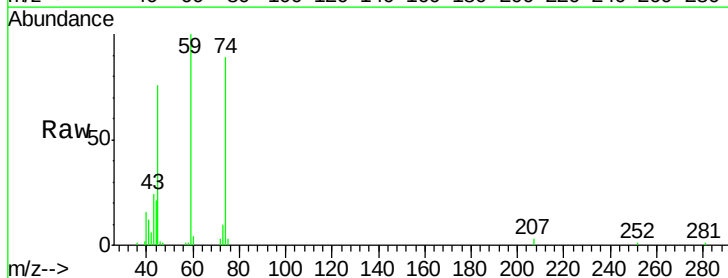
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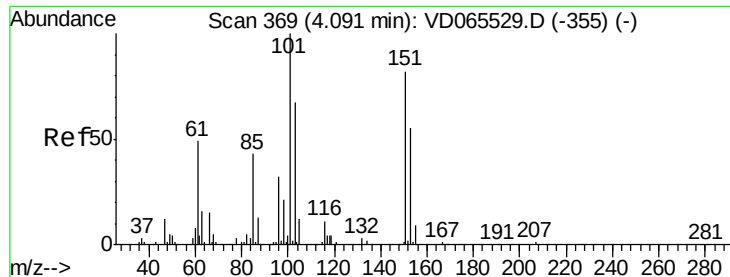


#8

Diethyl Ether
 Concen: 21.300 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.543 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

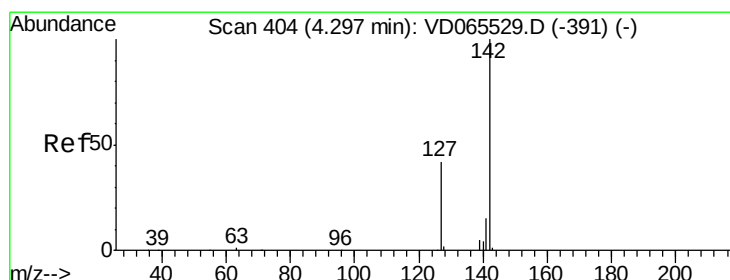
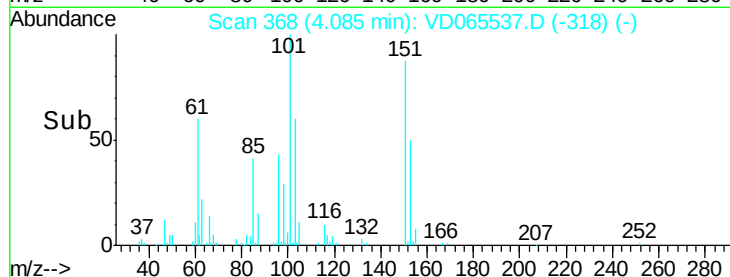
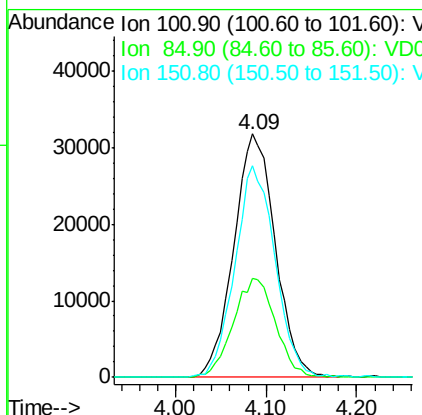
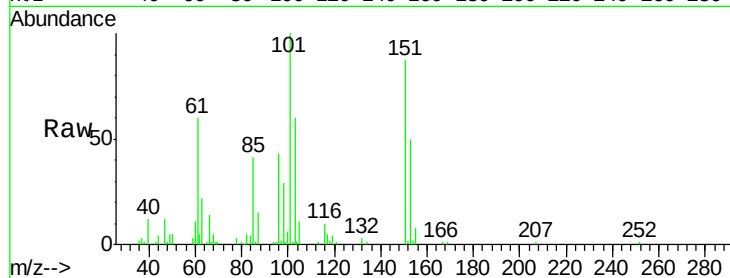
ClientSampleId :

VD0327SBS01

Tot Ion:	101	Resp:	101071
Ion Ratio	Lower	Upper	
101	100		
85	41.5	32.6	48.8
151	84.3	65.5	98.3

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#10

Methyl Iodide

Concen: 19.002 ug/l

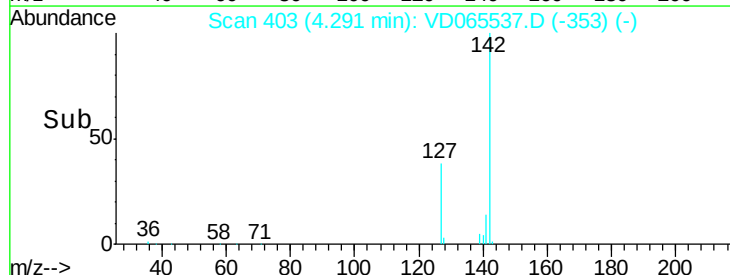
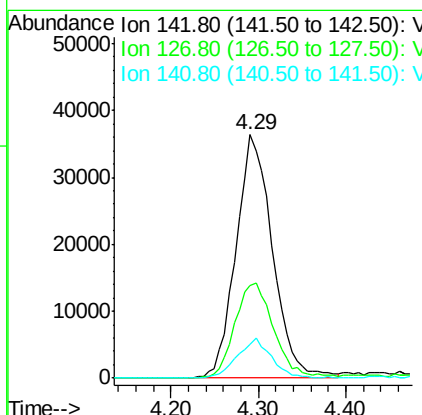
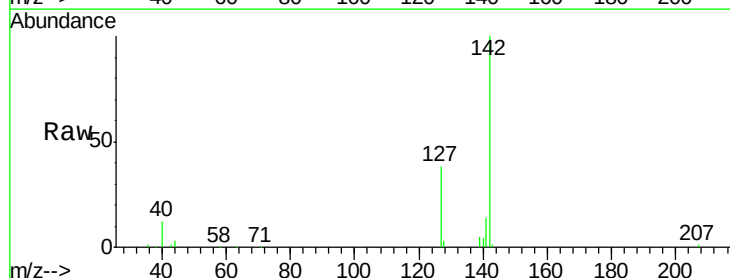
RT: 4.29 min Scan# 403

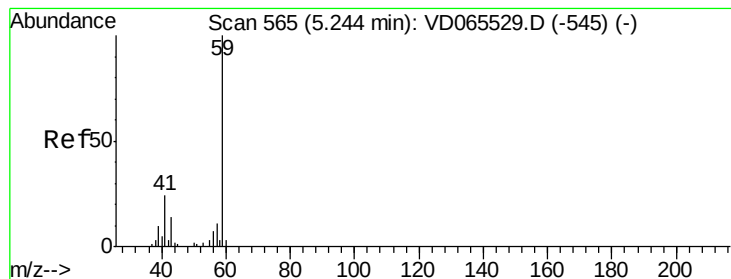
Delta R.T. -0.01 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Tgt Ion:	142	Resp:	103155
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.9	50.9
141	15.1	11.6	17.4





#11

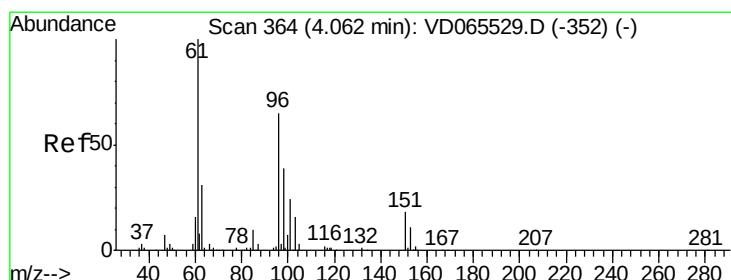
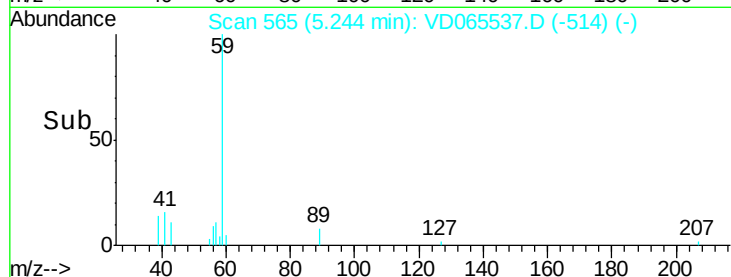
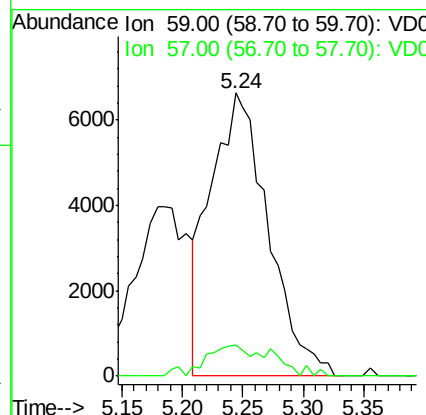
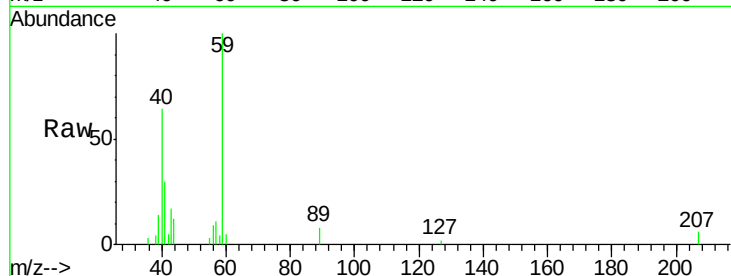
Tert butyl alcohol
Concen: 91.110 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	59	57	Ratio	100	9.0	Resp:	22006	Lower	8.1	Upper	12.1
Ion	59	57	Ratio	100	9.0	Resp:	22006	Lower	8.1	Upper	12.1

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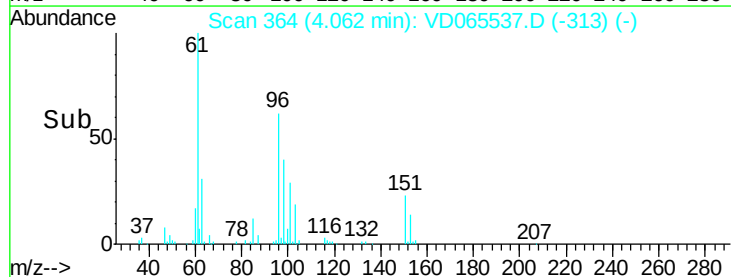
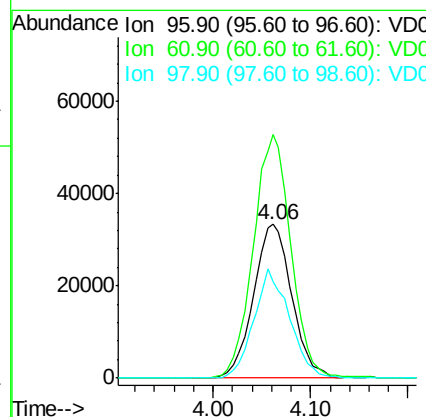
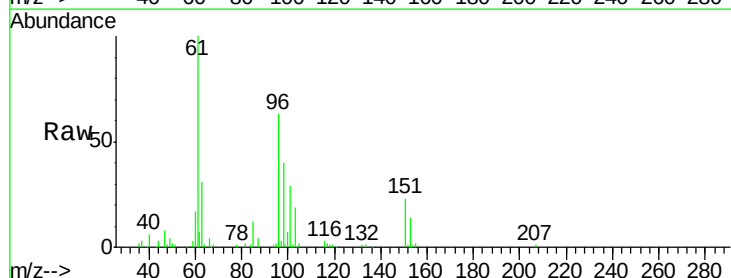
apatel
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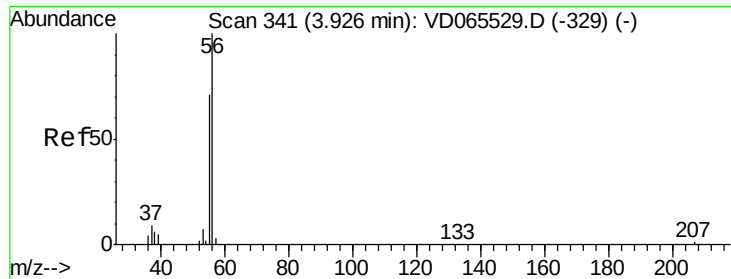


#12

1,1-Dichloroethene
Concen: 20.593 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion	96	61	98	Ratio	100	158.3	62.6	Resp:	91797	Lower	124.0	48.2	Upper	186.0	72.4
Ion	96	61	98	Ratio	100	158.3	62.6	Resp:	91797	Lower	124.0	48.2	Upper	186.0	72.4





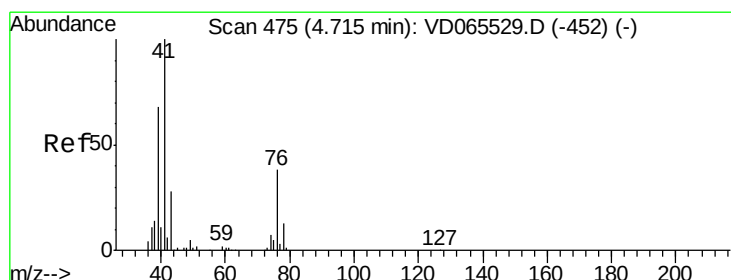
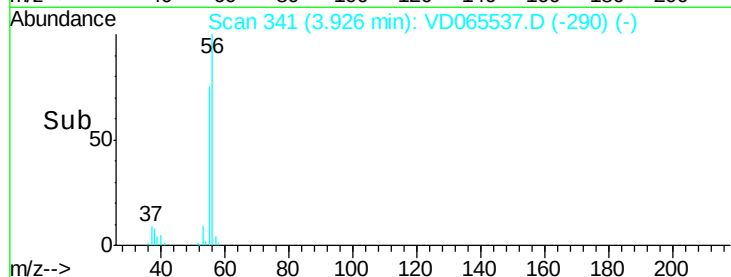
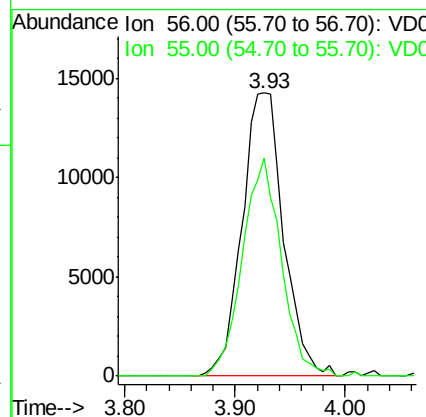
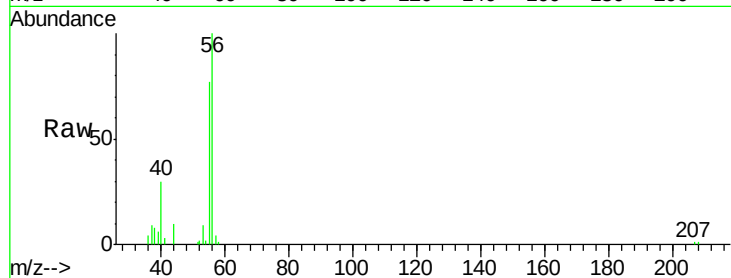
#13
Acrolein
Concen: 92.420 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion: 56 Resp: 37689
Ion Ratio Lower Upper
56 100
55 72.1 56.2 84.2

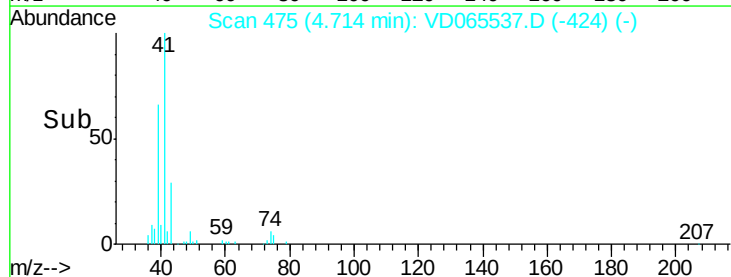
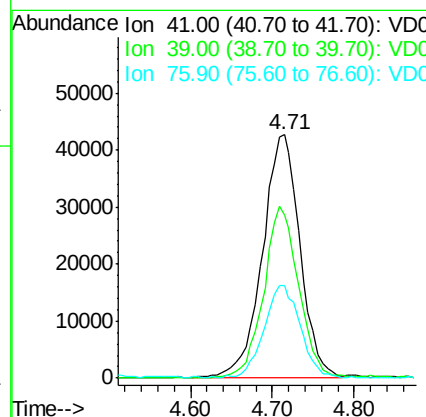
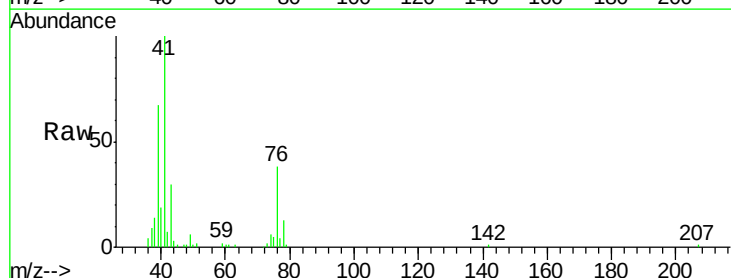
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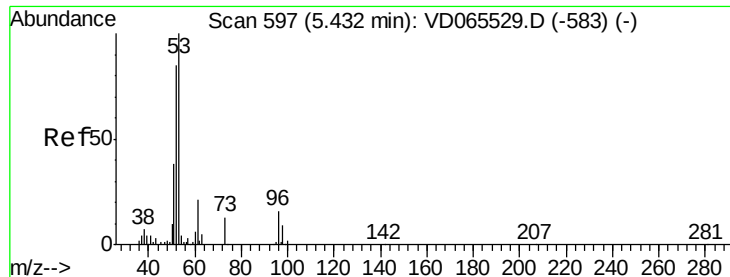
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#14
Allyl chloride
Concen: 20.107 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion: 41 Resp: 136374
Ion Ratio Lower Upper
41 100
39 66.0 52.9 79.3
76 37.0 28.9 43.3





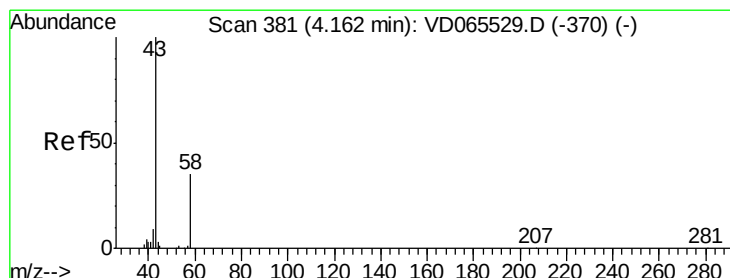
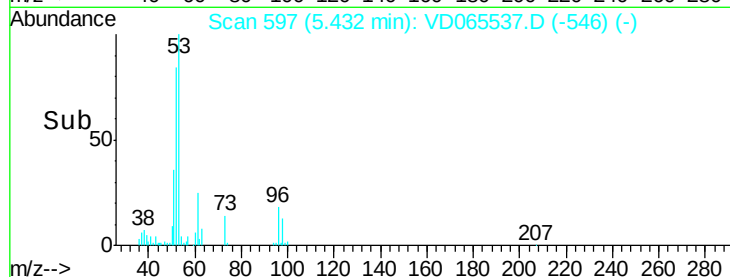
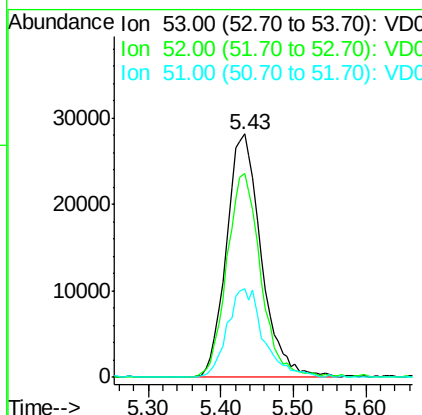
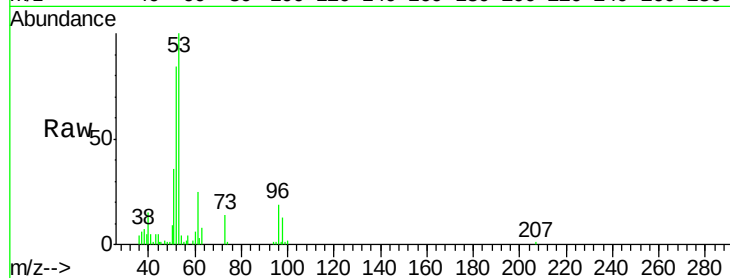
#15
 Acrylonitrile
 Concen: 101.094 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0327SBS01

Tot Ion:	53	Resp:	93963
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.8	98.6
51	37.6	29.7	44.5

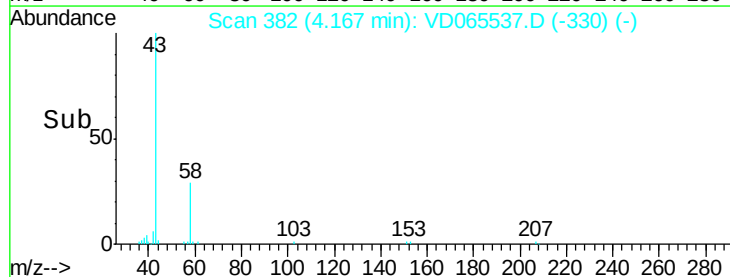
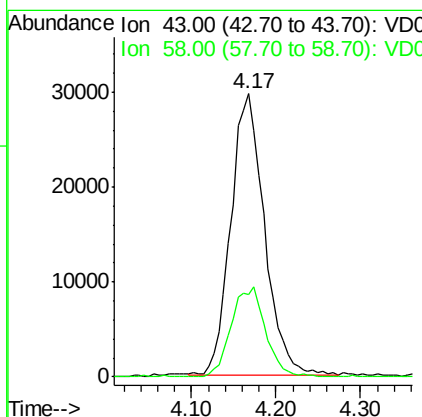
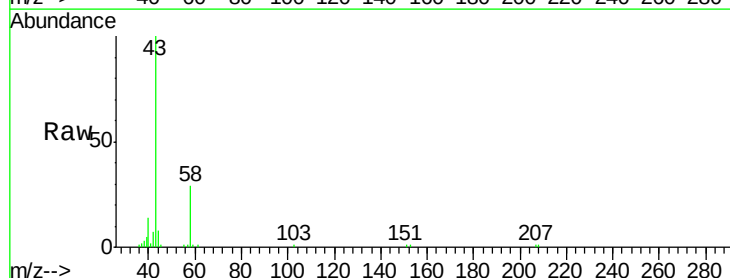
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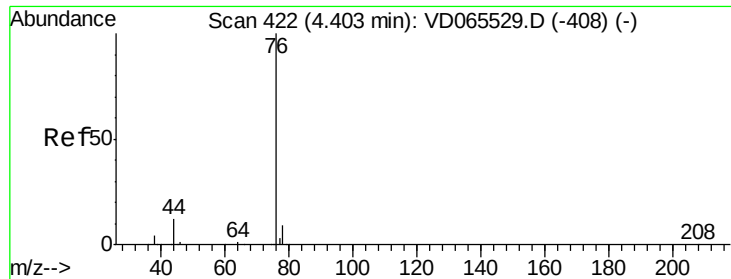
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#16
 Acetone
 Concen: 100.518 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion:	43	Resp:	81463
Ion Ratio	Lower	Upper	
43	100		
58	29.2	27.9	41.9





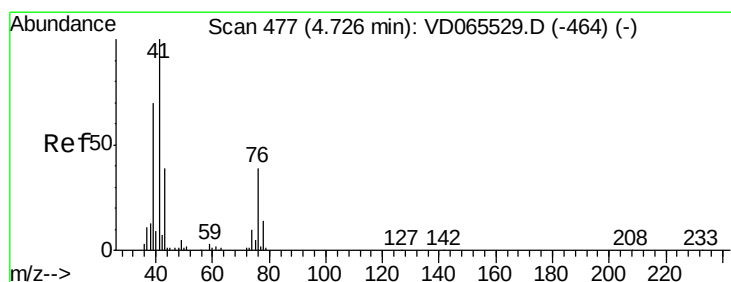
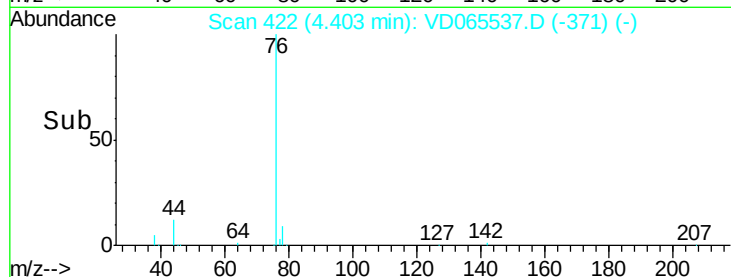
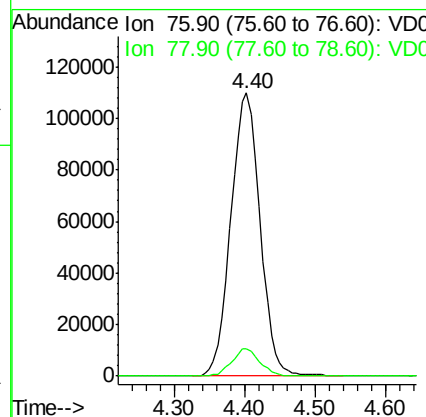
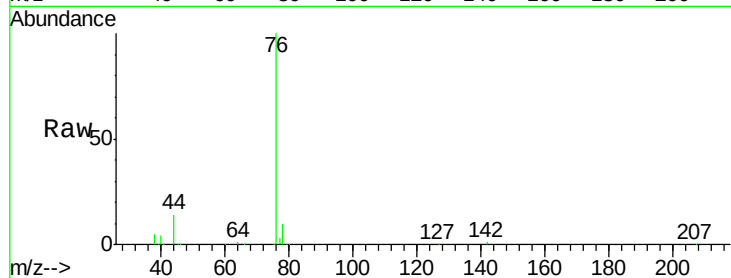
#17
Carbon Disulfide
Concen: 21.505 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.5	11.3

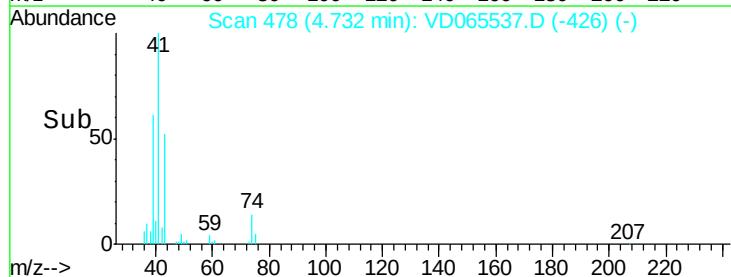
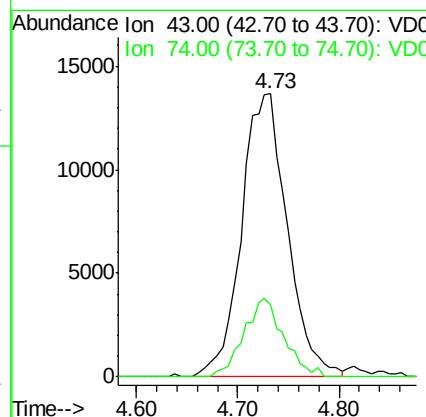
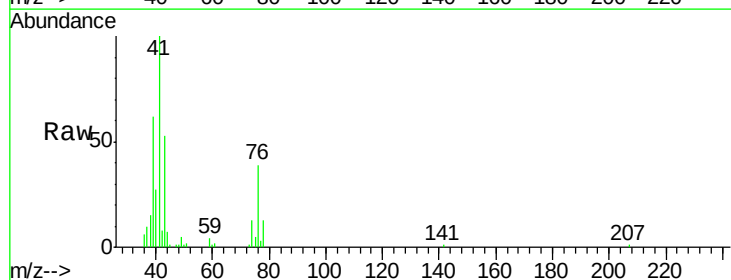
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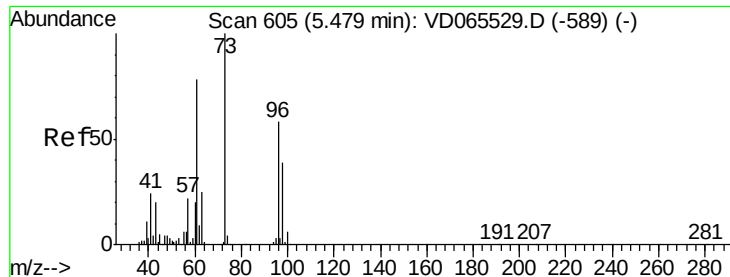
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#18
Methyl Acetate
Concen: 20.287 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	20.1	30.1





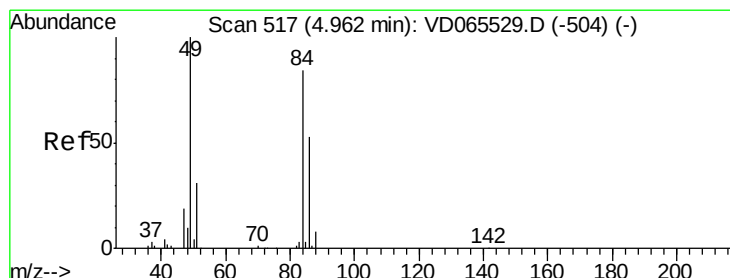
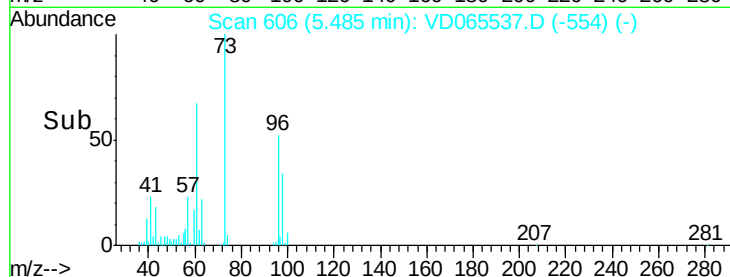
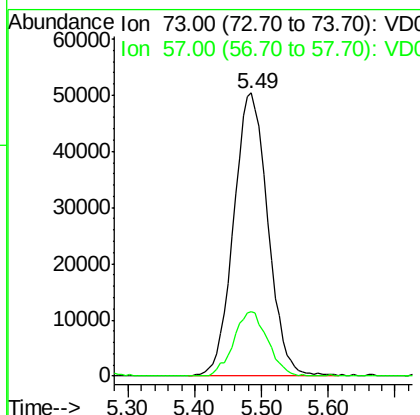
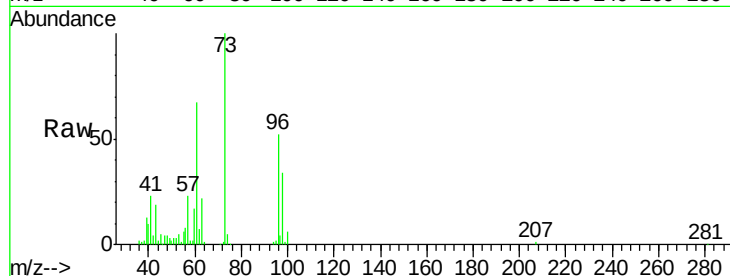
#19
Methyl tert-butyl Ether
Concen: 20.114 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion: 73 Resp: 178815
Ion Ratio Lower Upper
73 100
57 22.6 17.7 26.5

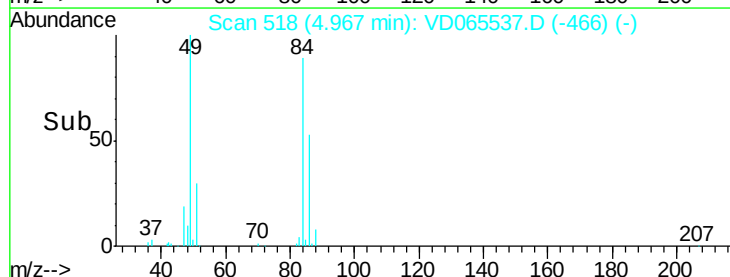
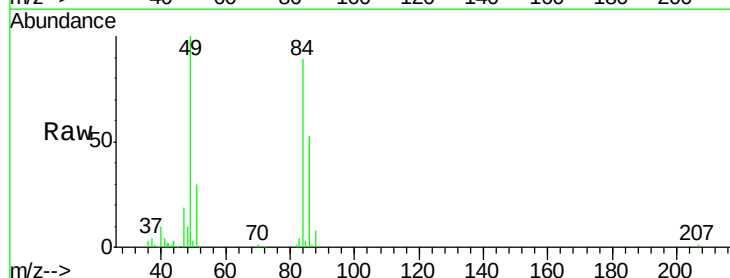
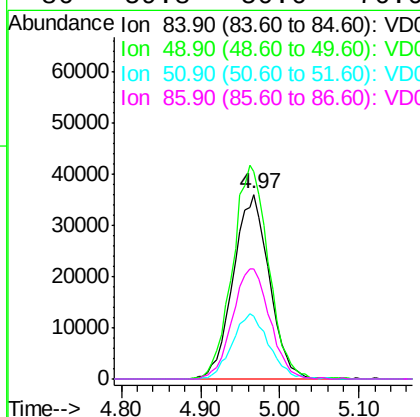
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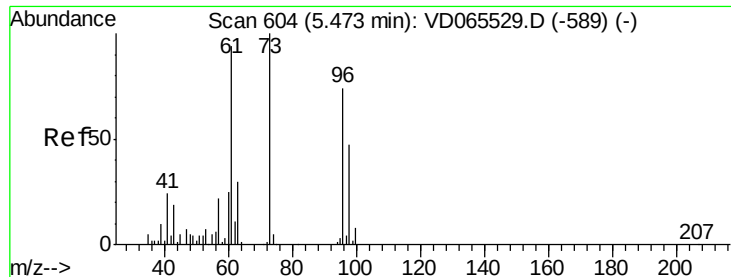
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#20
Methylene Chloride
Concen: 19.310 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion: 84 Resp: 113642
Ion Ratio Lower Upper
84 100
49 112.2 95.6 143.4
51 34.2 29.4 44.2
86 59.8 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.323 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

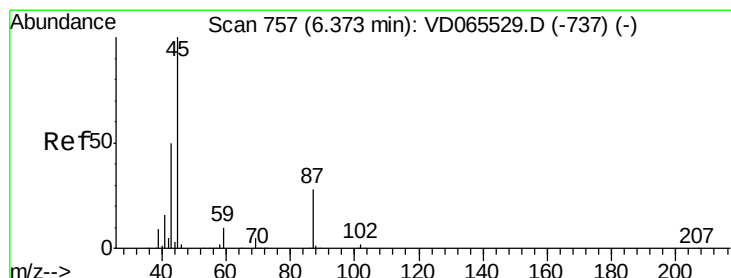
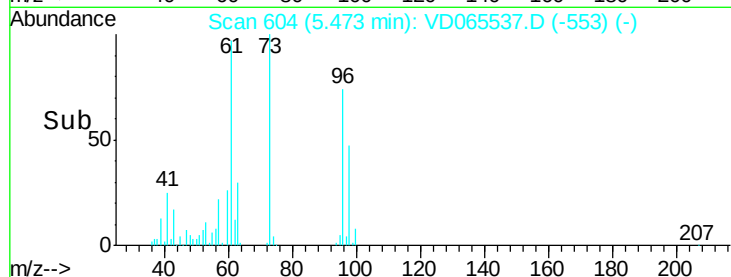
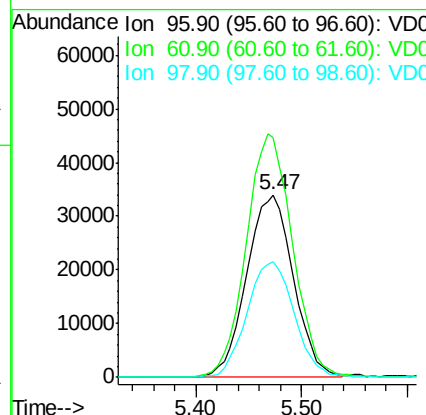
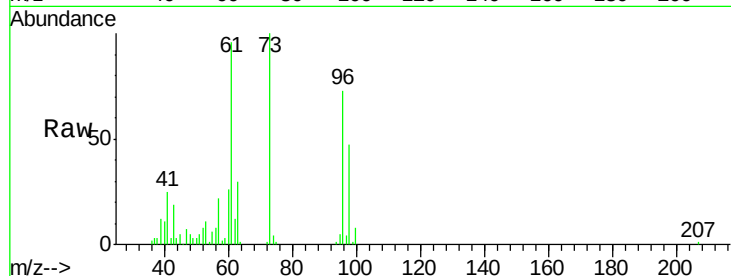
ClientSampleId :

VD0327SBSD01

Tot Ion:	96	Resp:	104226
Ion	Ratio	Lower	Upper
96	100		
61	131.3	101.8	152.6
98	63.3	51.4	77.2

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#22

Diisopropyl ether

Concen: 21.328 ug/l

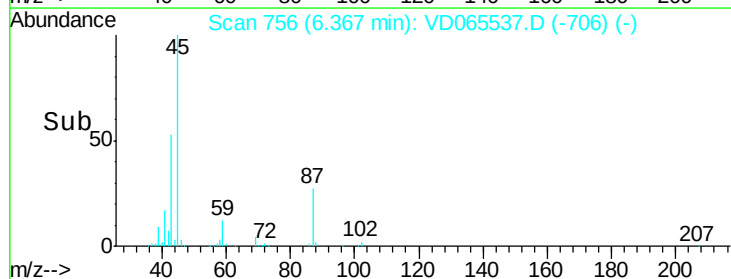
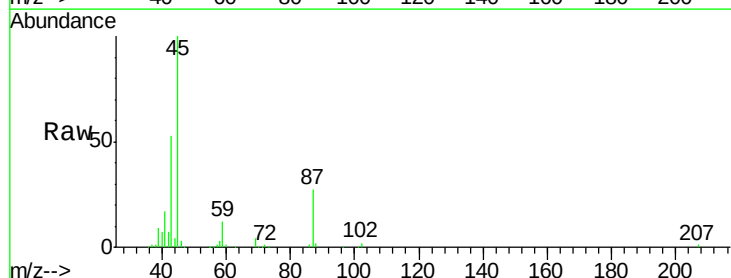
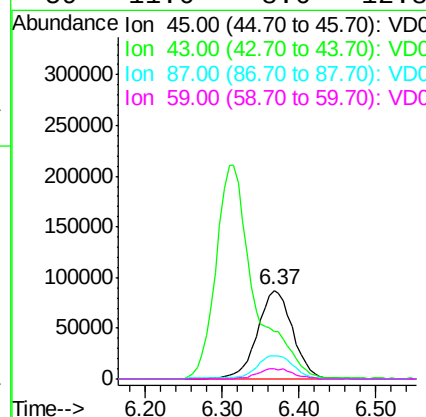
RT: 6.37 min Scan# 756

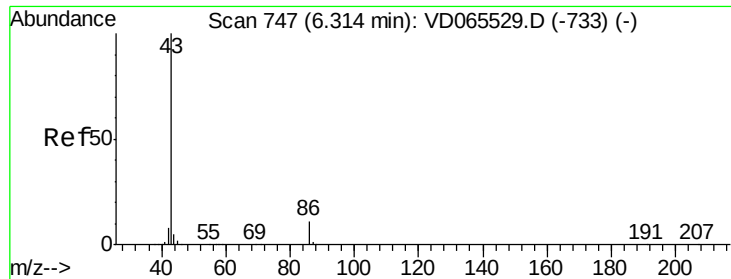
Delta R.T. -0.01 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Tgt Ion:	45	Resp:	280509
Ion	Ratio	Lower	Upper
45	100		
43	52.0	40.5	60.7
87	26.5	22.5	33.7
59	11.6	8.6	12.8





#23

Vinyl Acetate

Concen: 101.353 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion: 43 Resp: 726093

Ion Ratio Lower Upper

43 100

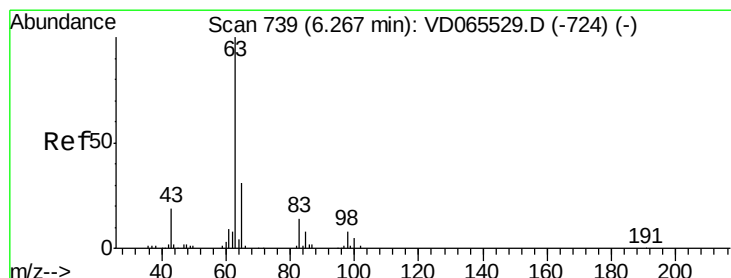
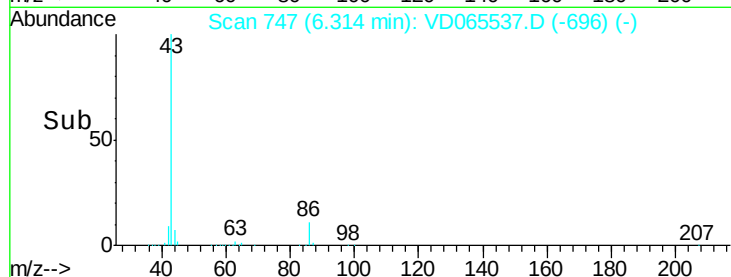
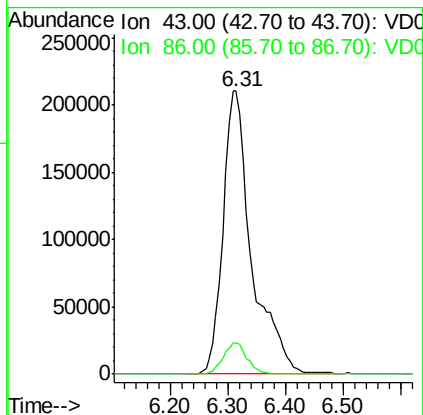
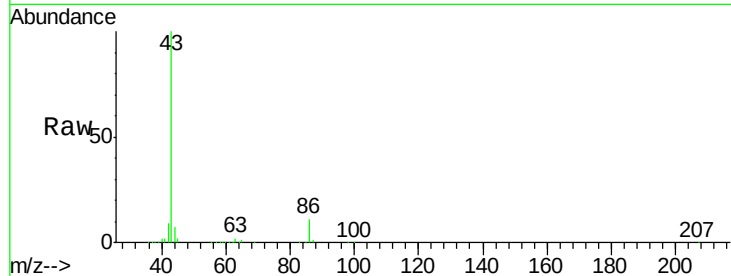
86 11.1 9.0 13.4

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#24

1,1-Dichloroethane

Concen: 21.138 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

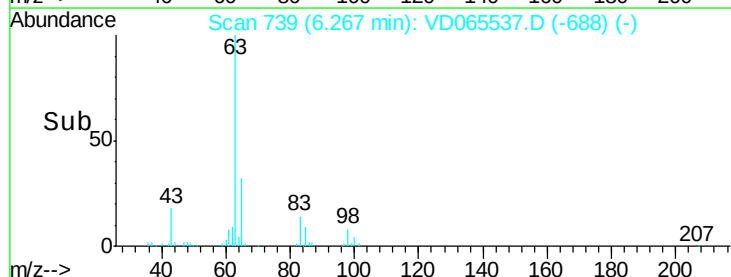
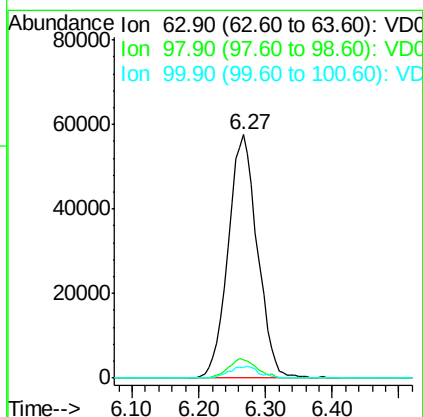
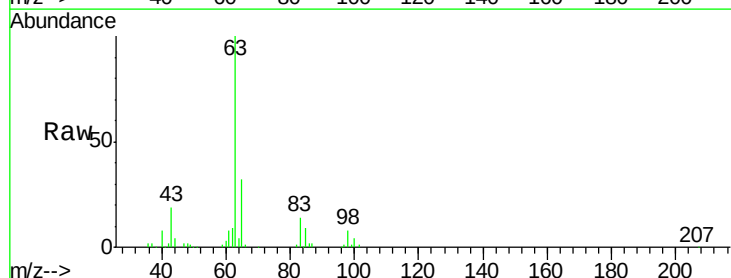
Tgt Ion: 63 Resp: 176297

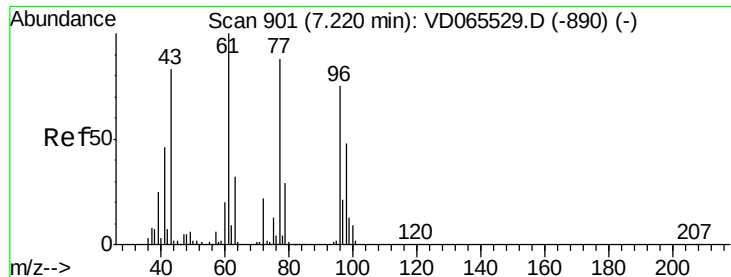
Ion Ratio Lower Upper

63 100

98 7.7 4.2 12.6

100 4.3 2.5 7.4





#25

2-Butanone

Concen: 102.759 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion: 43 Resp: 113099

Ion Ratio Lower Upper

43 100

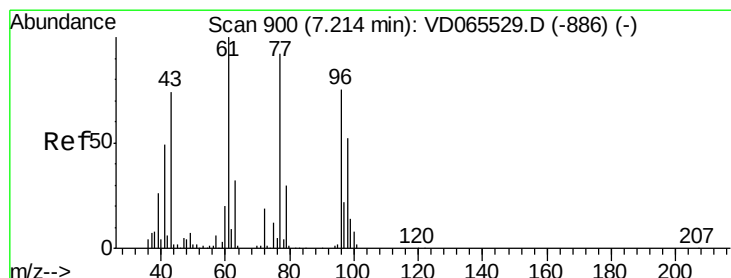
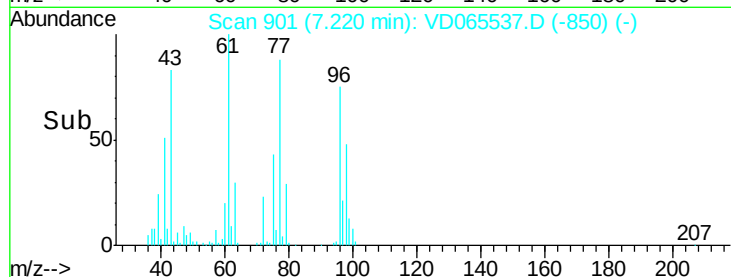
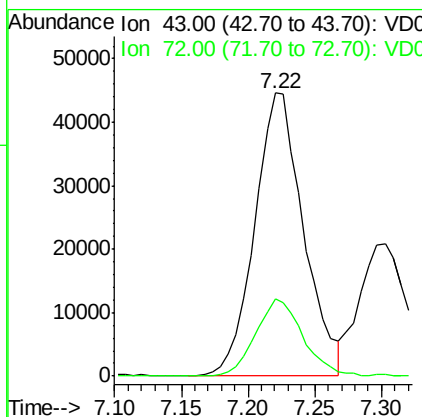
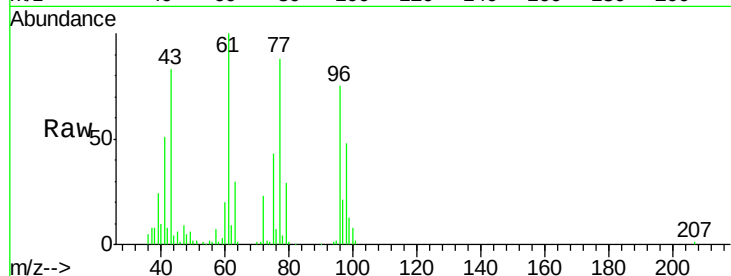
72 27.5 21.5 32.3

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#26

2,2-Dichloropropane

Concen: 21.159 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065537.D

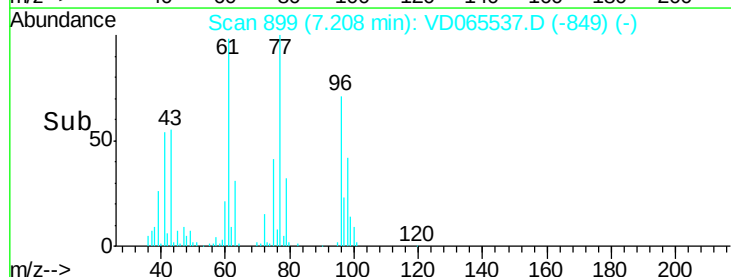
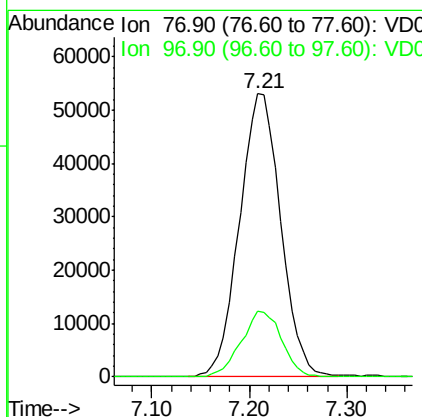
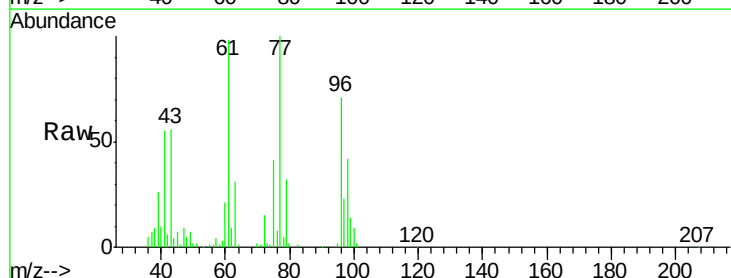
Acq: 27 Mar 2020 11:54

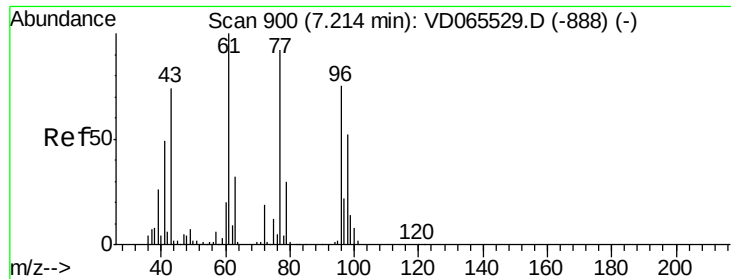
Tgt Ion: 77 Resp: 156274

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.1





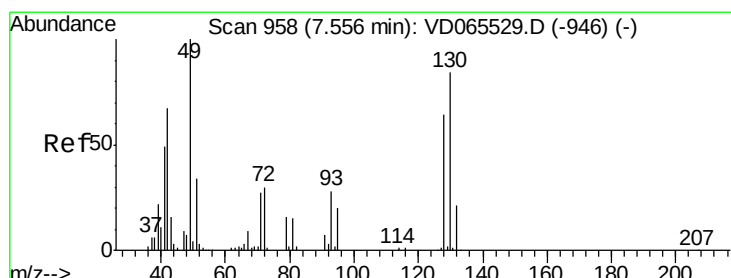
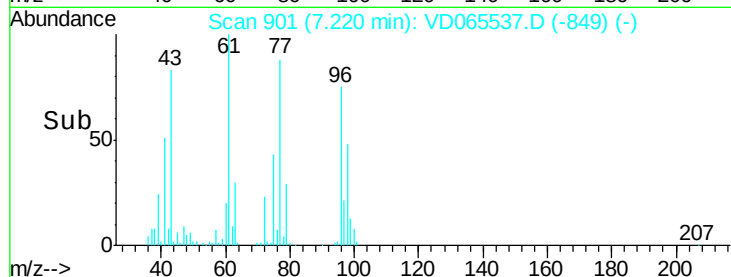
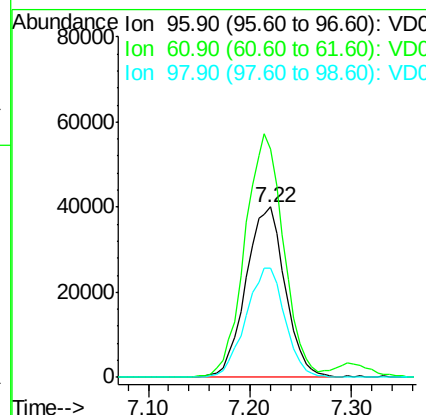
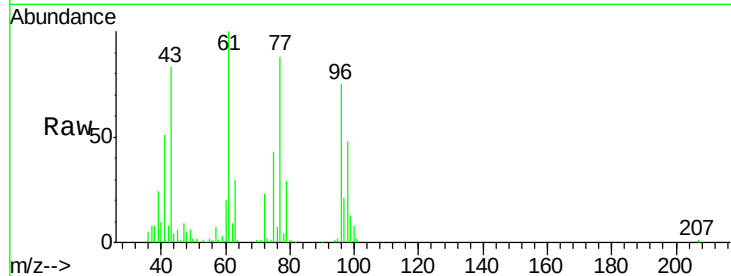
#27
 cis-1,2-Dichloroethene
 Concen: 20.284 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	107798		
61	141.0	0.0	278.0	
98	64.0	0.0	129.6	

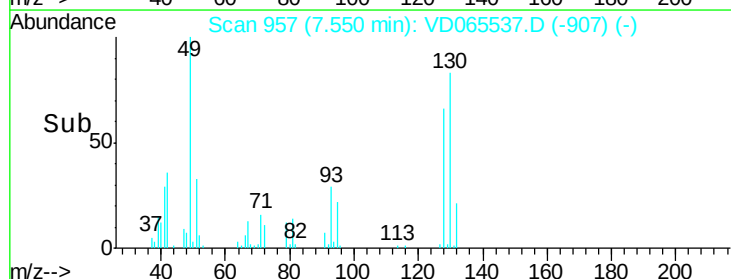
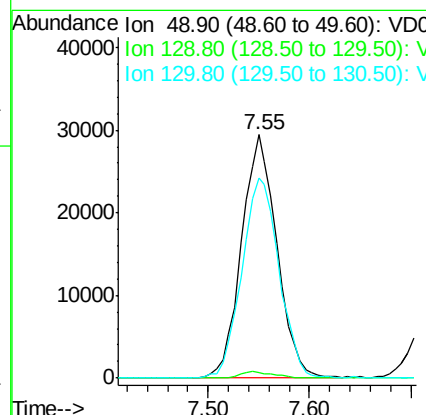
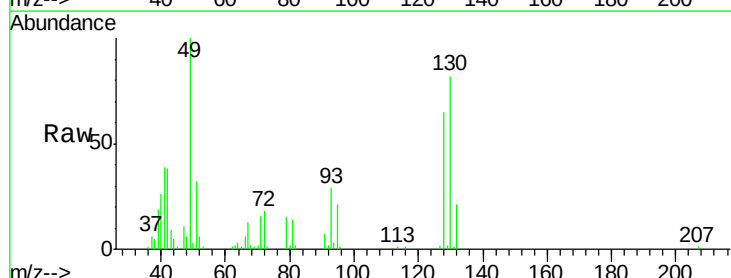
Manual Integrations
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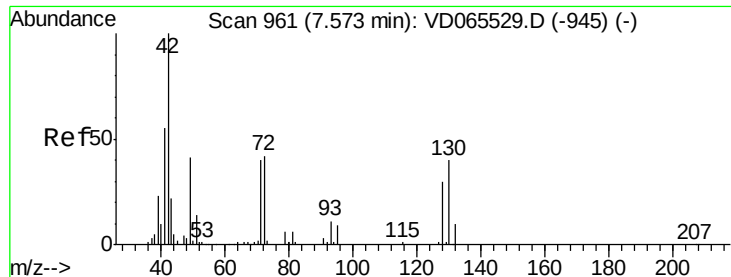
apatel
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#28
 Bromochloromethane
 Concen: 20.477 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	71008		
129	2.4	0.0	4.4	
130	86.3	69.7	104.5	





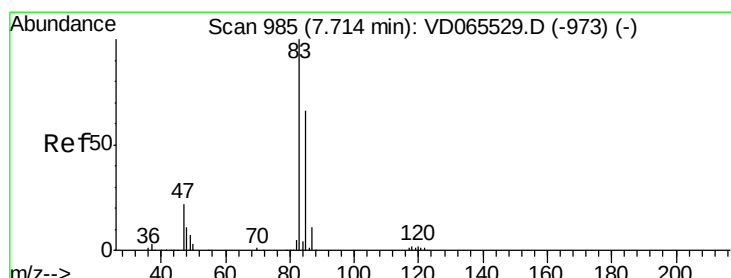
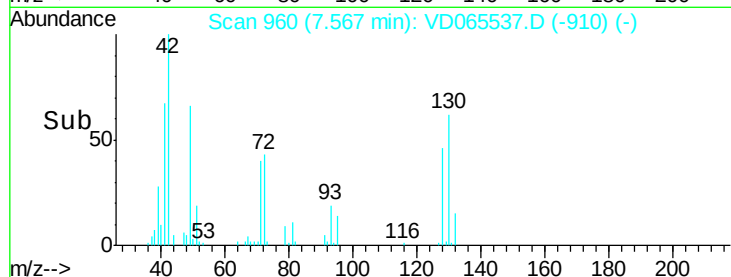
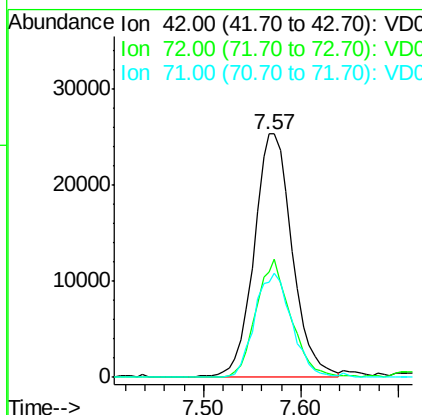
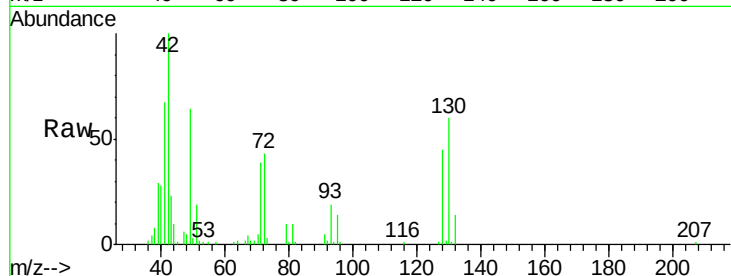
#29
Tetrahydrofuran
Concen: 97.329 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.0	52.6
71	41.3	33.0	49.6

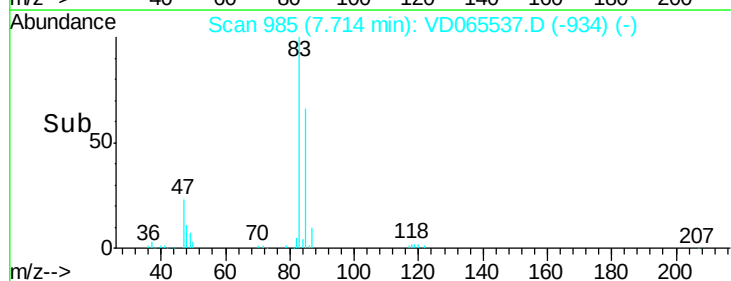
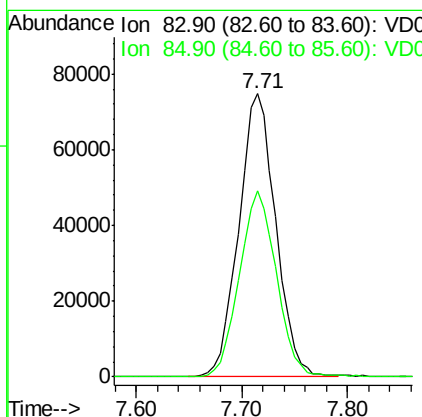
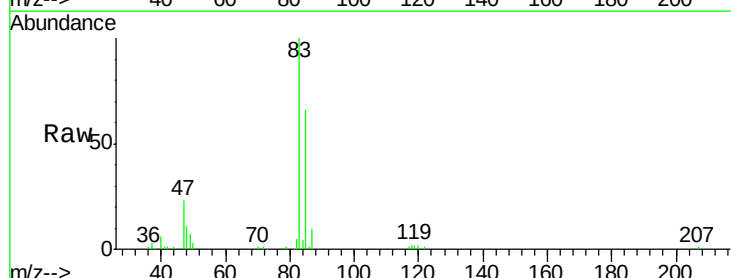
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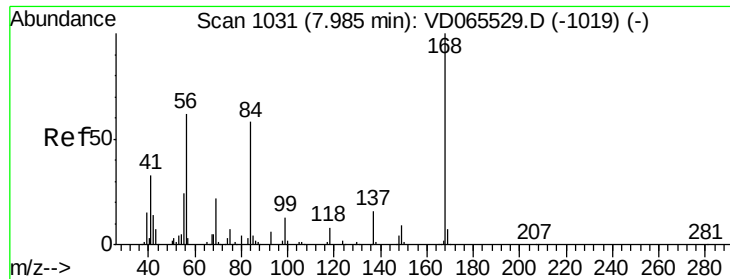
apatel
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#30
Chloroform
Concen: 20.965 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.9	79.3





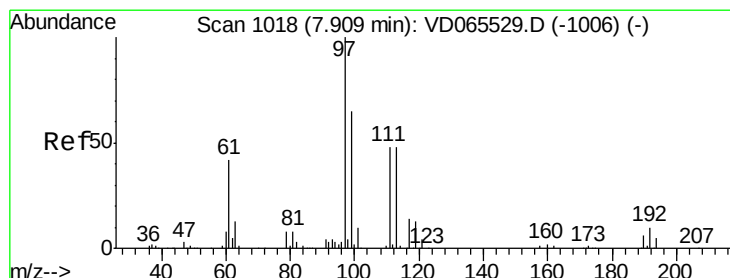
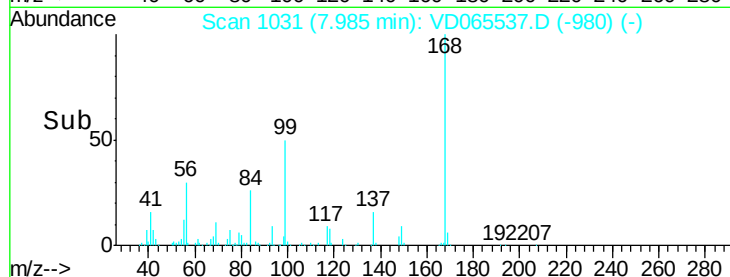
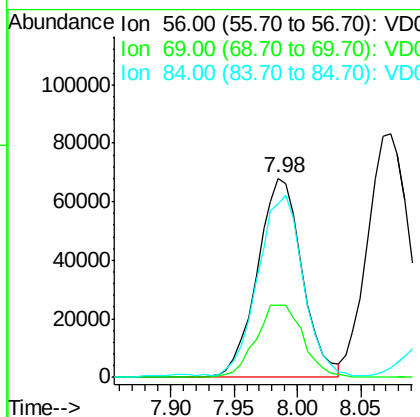
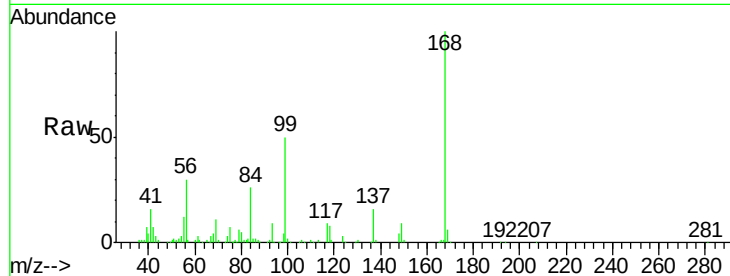
#31
Cyclohexane
Concen: 20.699 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	28.2	42.4
84	85.3	73.4	110.0

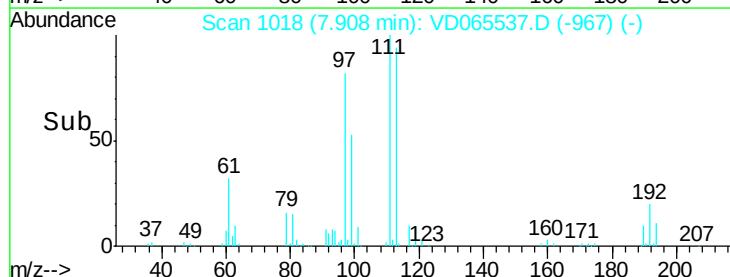
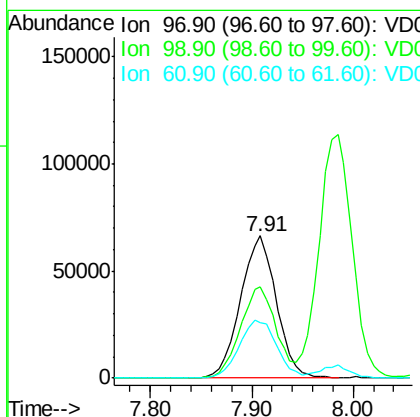
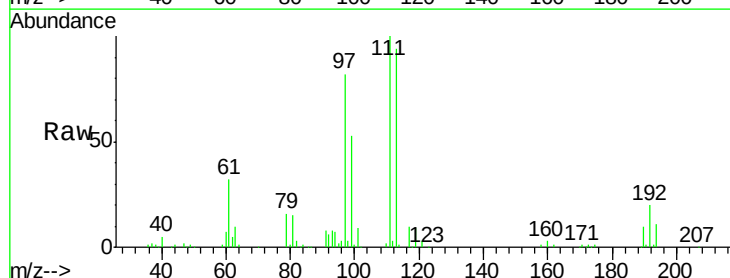
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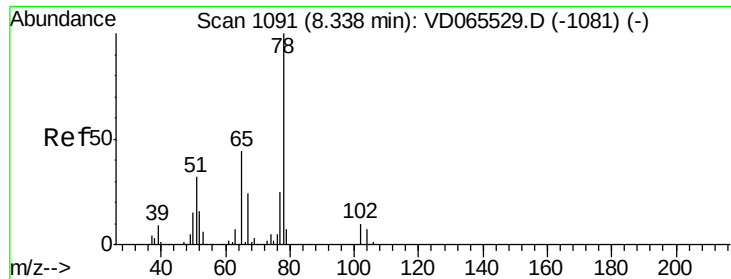
apatel
3/30/2020 2:55:25 PM



#32
1,1,1-Trichloroethane
Concen: 20.927 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.2	76.8
61	42.5	33.4	50.2





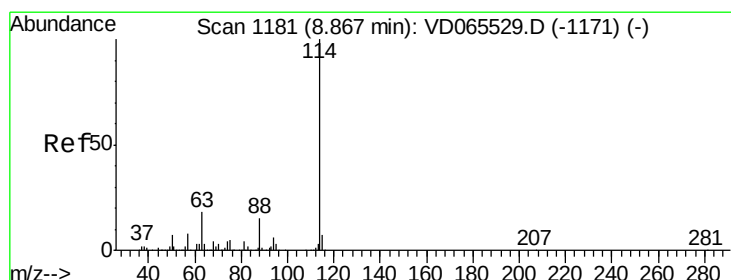
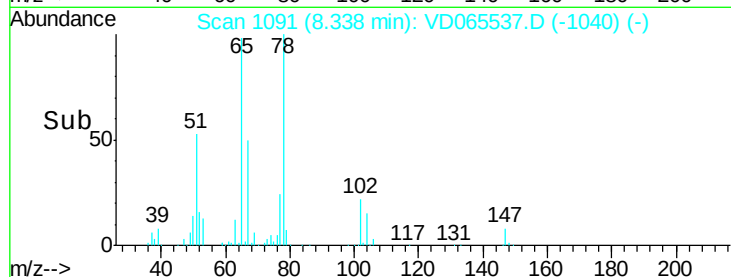
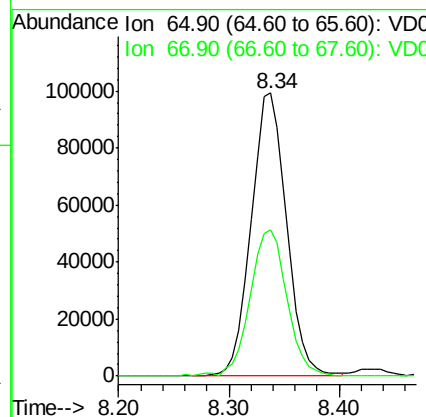
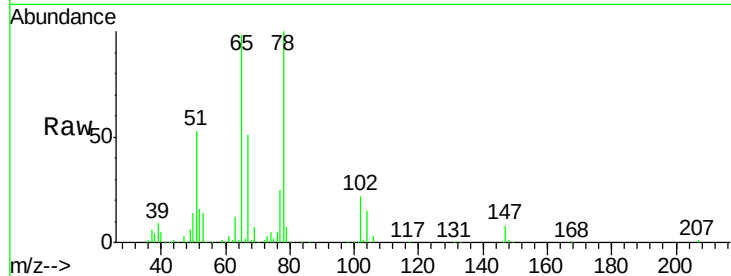
#33
 1,2-Dichloroethane-d4
 Concen: 52.122 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	223872		
67	53.9	0.0	107.6	

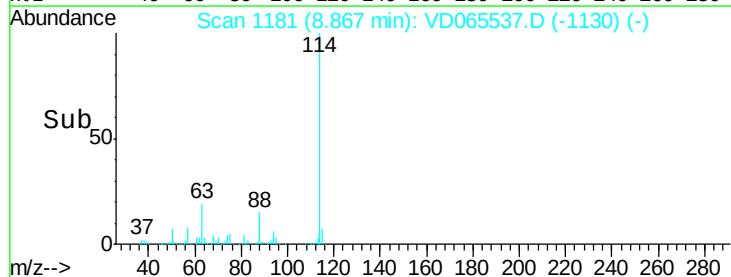
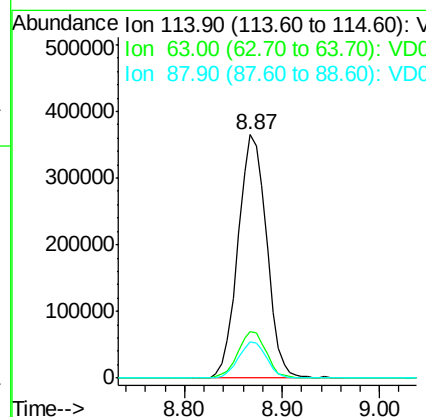
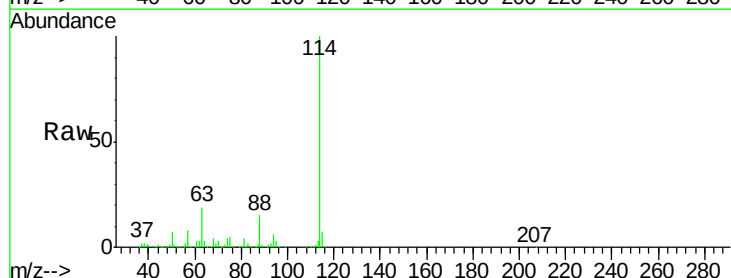
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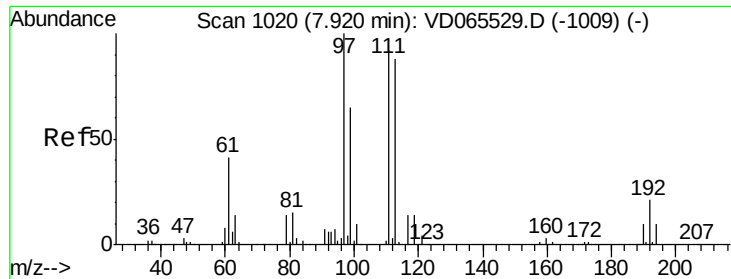
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	747498		
63	19.3	0.0	37.0	
88	14.7	0.0	30.4	





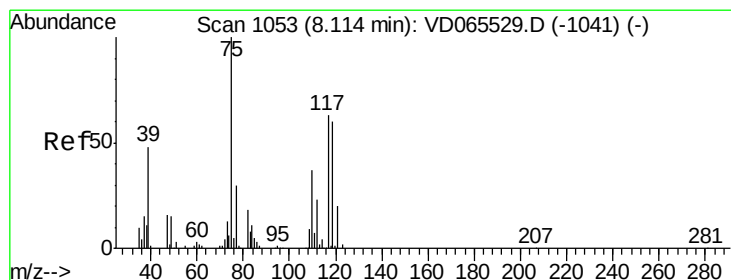
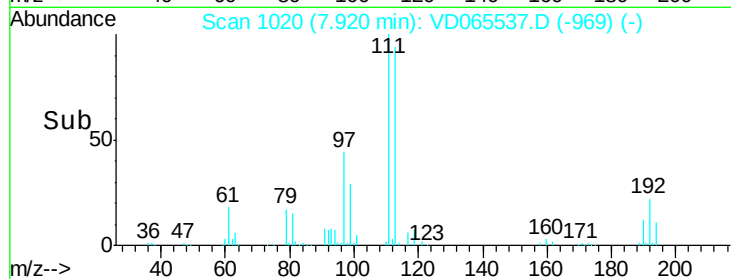
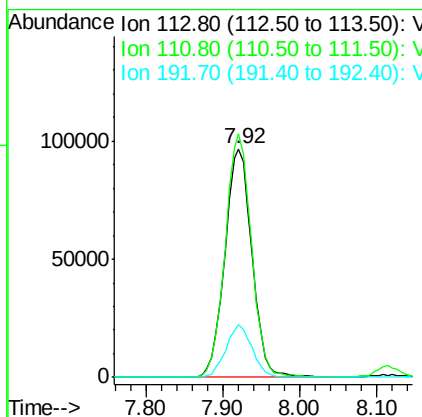
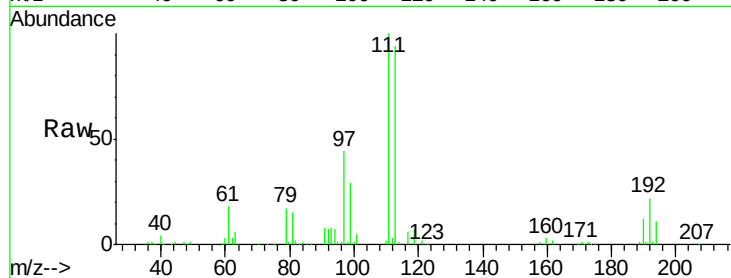
#35
 Dibromofluoromethane
 Concen: 51.476 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	237504		
111	103.3	83.3	124.9	
192	22.2	18.5	27.7	

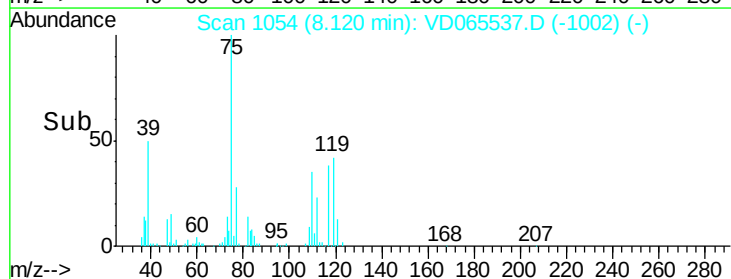
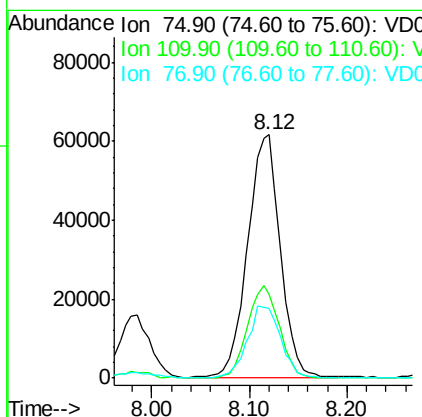
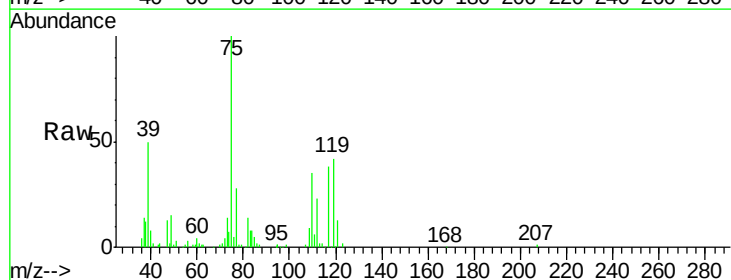
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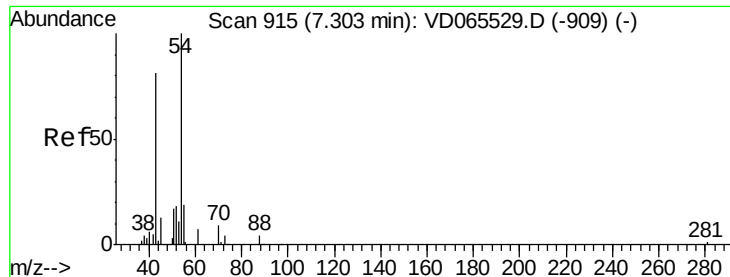
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#36
 1,1-Dichloropropene
 Concen: 21.097 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	144085		
110	37.1	18.8	56.4	
77	30.6	25.1	37.7	





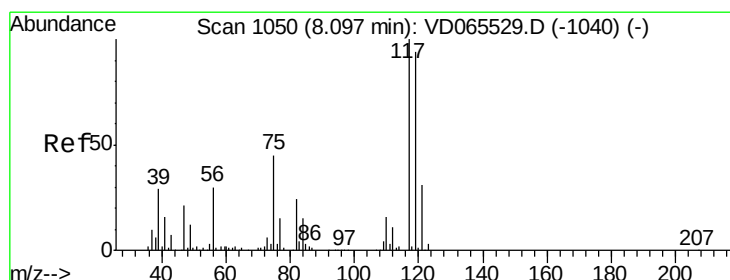
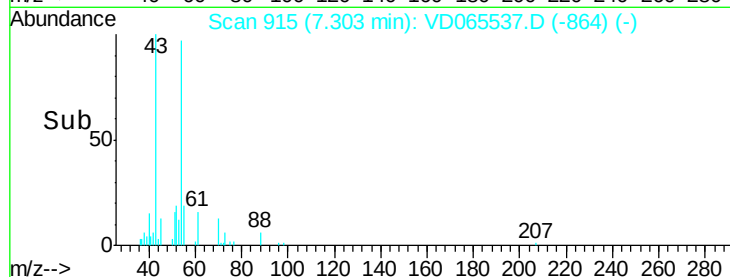
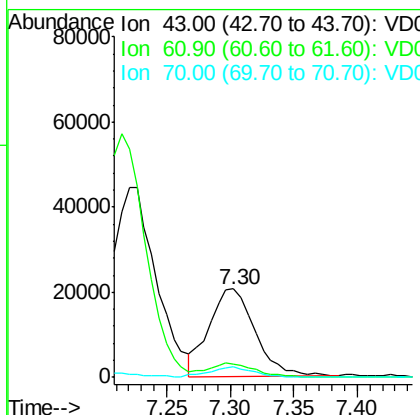
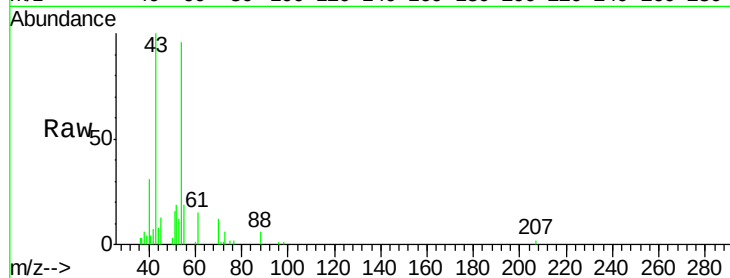
#37
Ethyl Acetate
Concen: 19.573 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion:	43	Resp:	51167
Ion	Ratio	Lower	Upper
43	100		
61	16.2	12.2	18.4
70	11.4	8.4	12.6

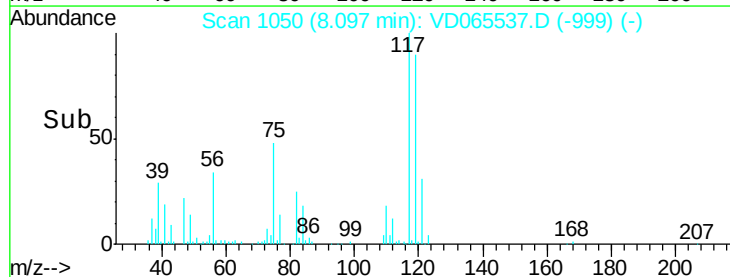
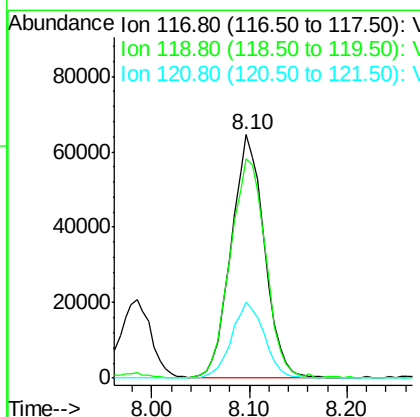
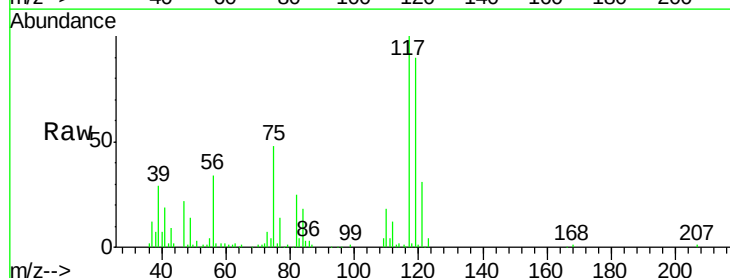
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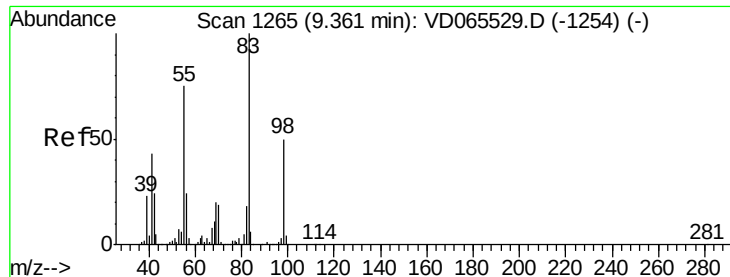
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#38
Carbon Tetrachloride
Concen: 21.265 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion:	117	Resp:	152965
Ion	Ratio	Lower	Upper
117	100		
119	90.2	75.2	112.8
121	31.4	24.5	36.7





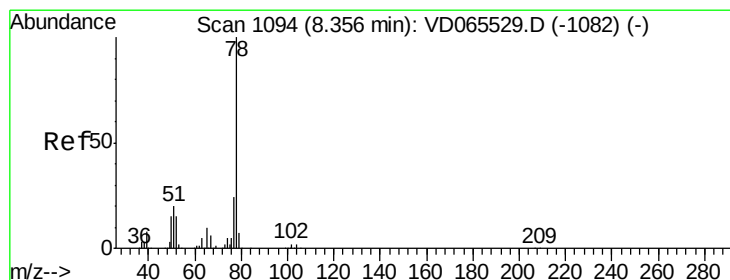
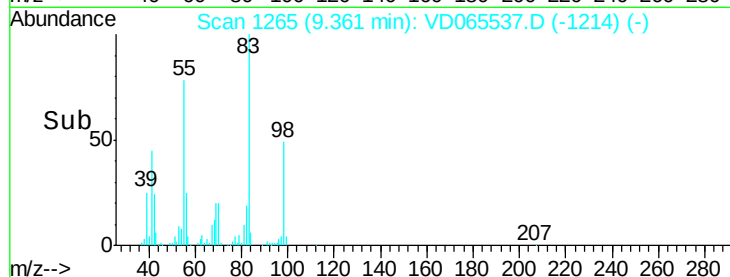
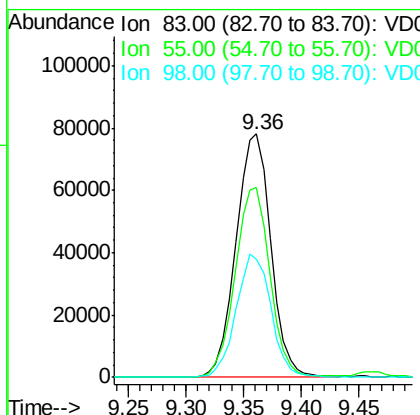
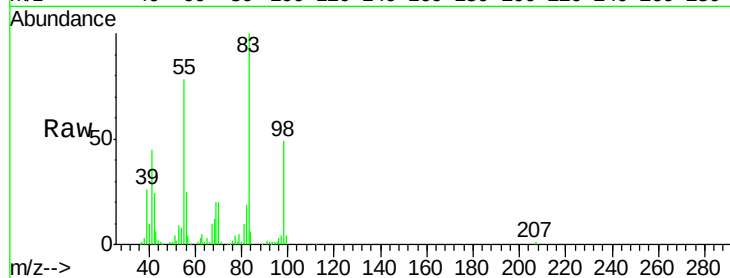
#39
Methylvlcyclohexane
Concen: 20.384 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	59.7	89.5
98	48.6	40.2	60.2

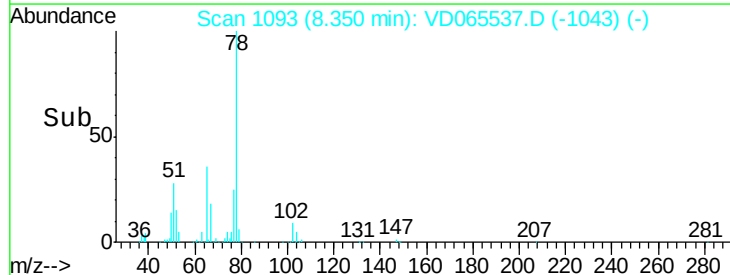
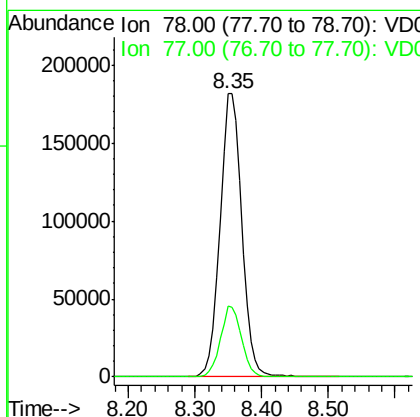
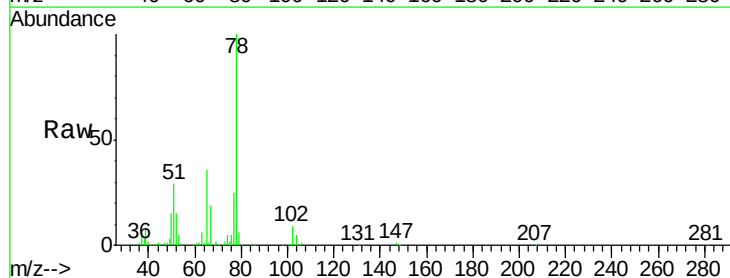
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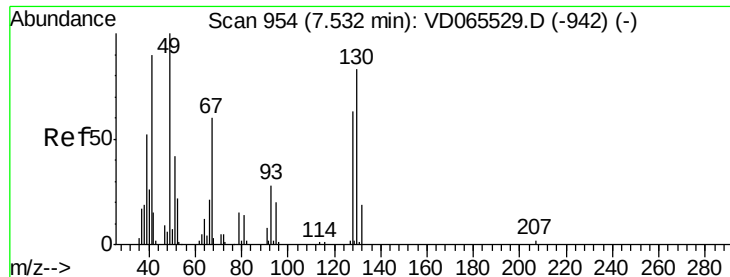
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#40
Benzene
Concen: 21.589 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.1	28.7





#41

Methacrylonitrile

Concen: 18.867 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion: 41 Resp: 28472

Ion Ratio Lower Upper

41 100

39 59.5 42.9 64.3

67 78.9 60.5 90.7

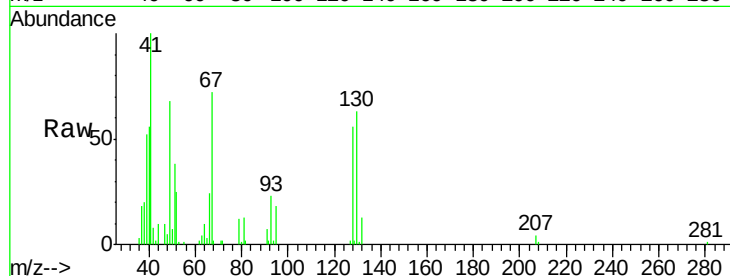
52 32.9 24.5 36.7

Manual Integrations

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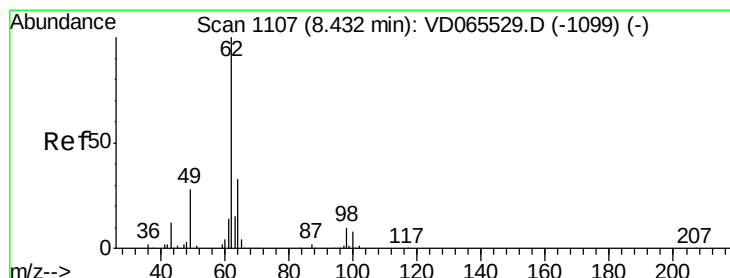
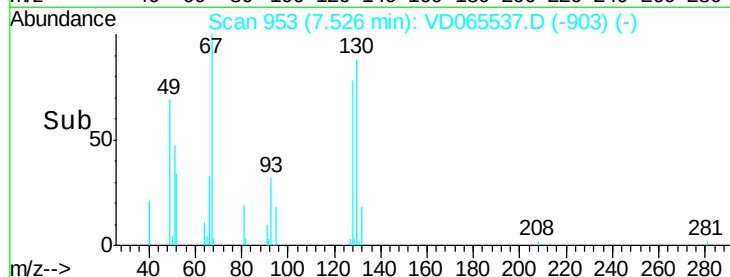
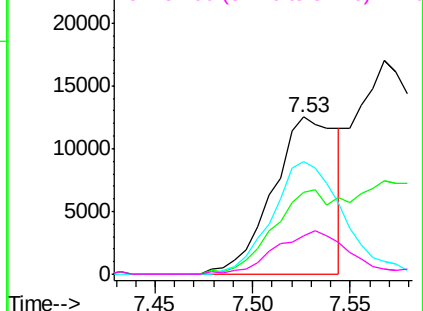


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.053 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065537.D

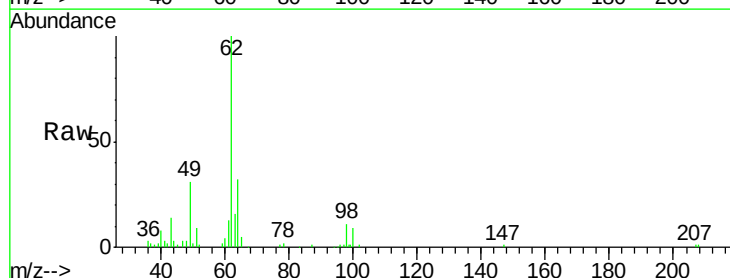
Acq: 27 Mar 2020 11:54

Tgt Ion: 62 Resp: 109178

Ion Ratio Lower Upper

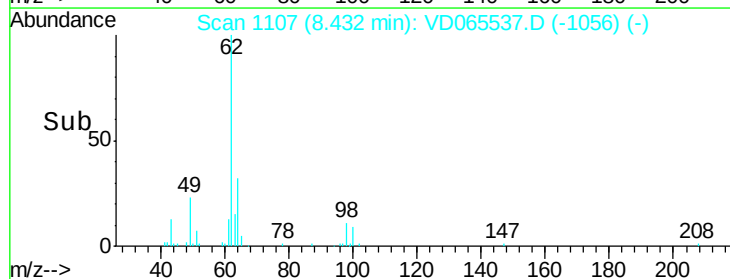
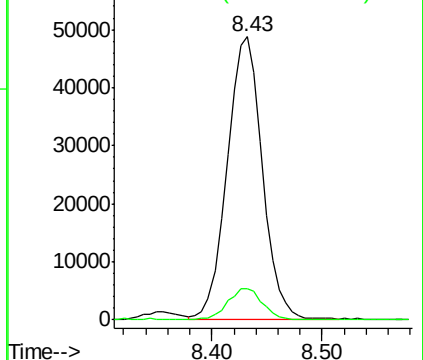
62 100

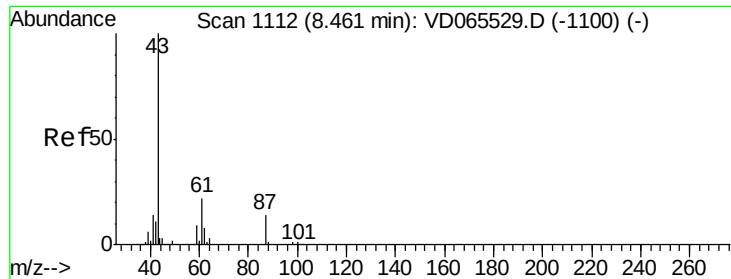
98 11.2 0.0 21.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





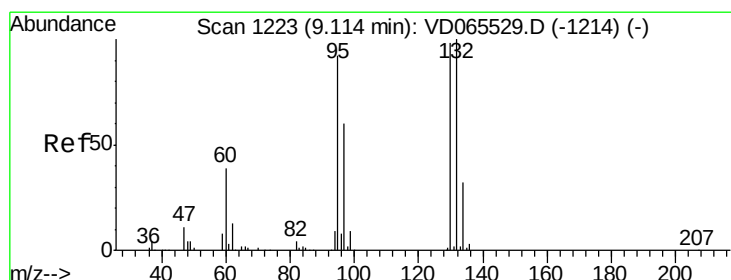
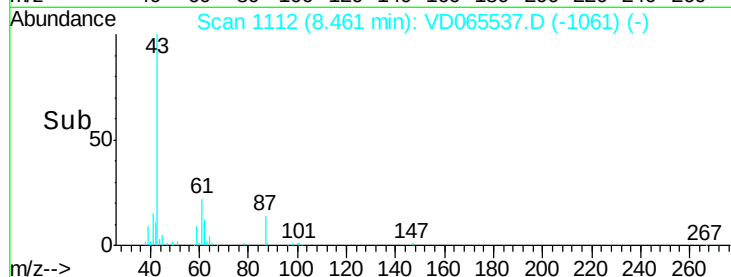
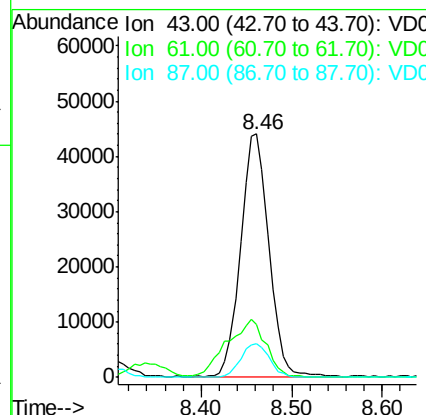
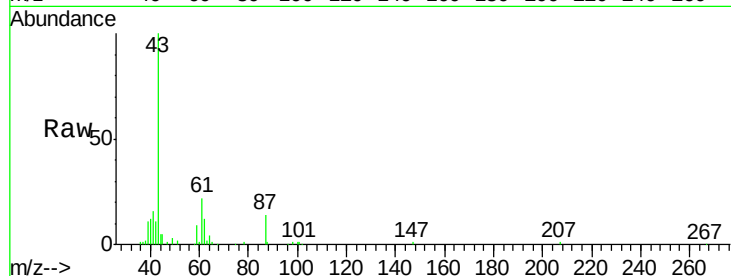
#43
Isopropyl Acetate
Concen: 20.267 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.8	25.0	37.4
87	13.9	11.0	16.4

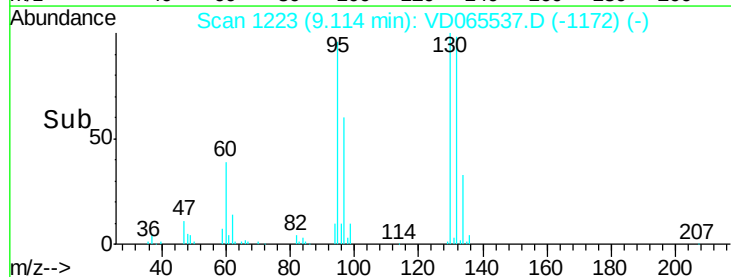
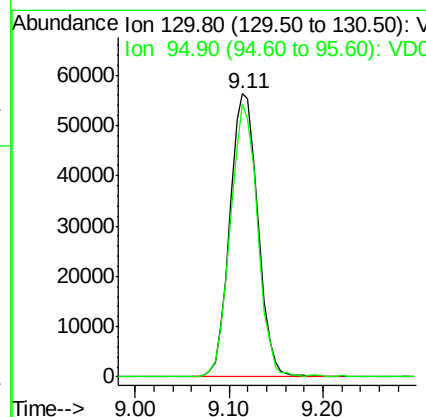
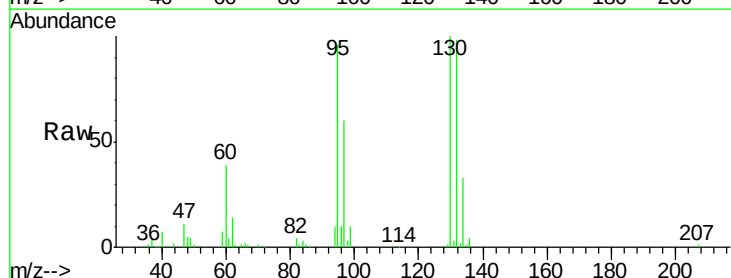
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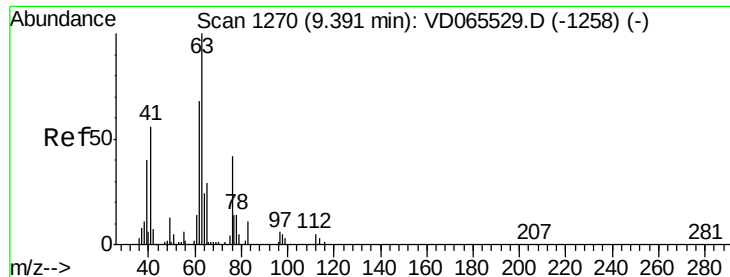
apatel
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#44
Trichloroethene
Concen: 20.700 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	187.0





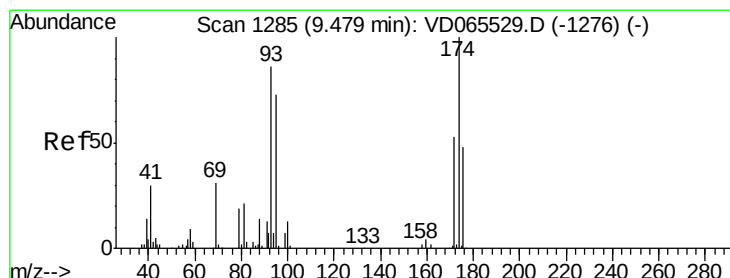
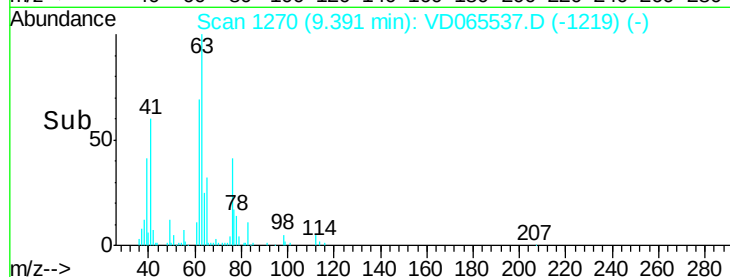
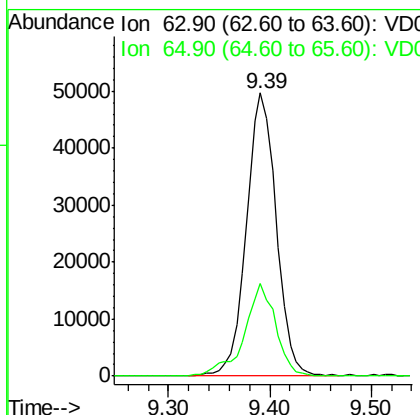
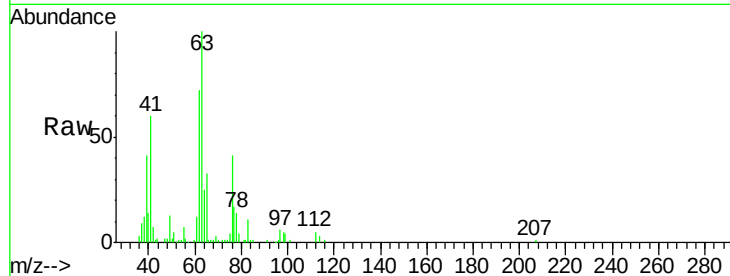
#45
 1,2-Dichloropropane
 Concen: 21.453 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD01

Tot Ion	63	Resp	101559
Ion Ratio	Lower	Upper	
63	100		
65	32.7	23.5	35.3

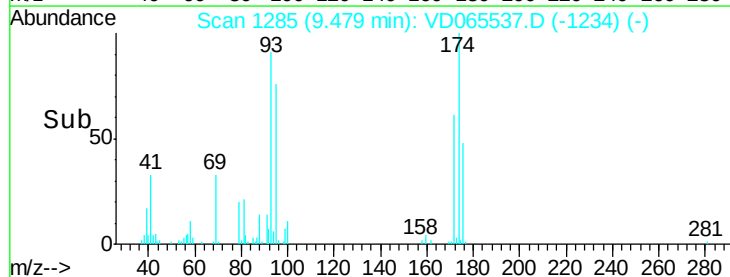
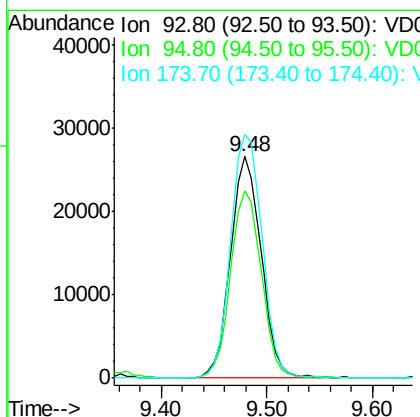
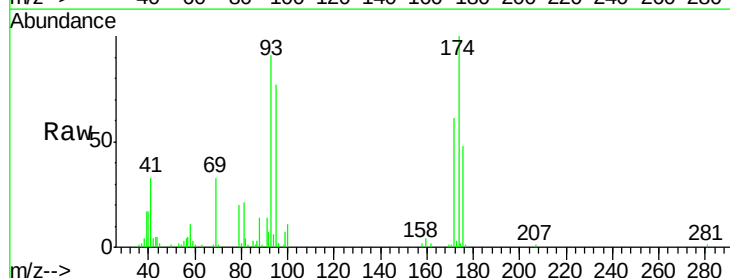
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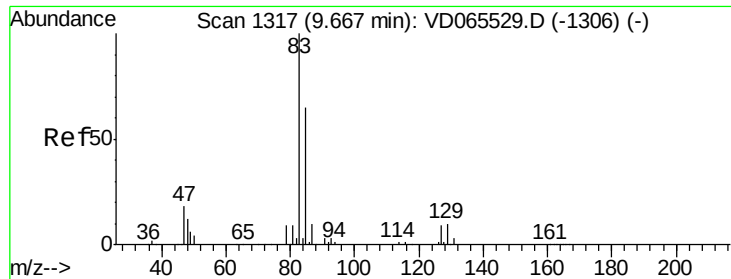
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#46
 Dibromomethane
 Concen: 21.597 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion	93	Resp	53649
Ion Ratio	Lower	Upper	
93	100		
95	84.2	67.3	100.9
174	111.9	92.5	138.7





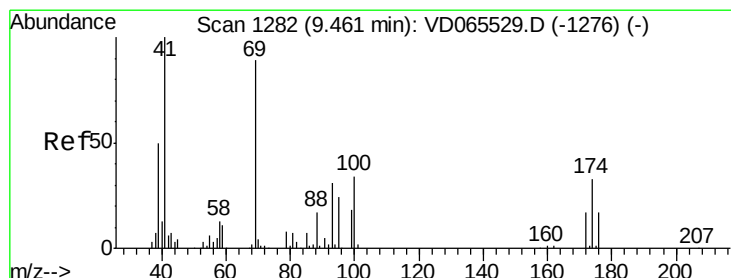
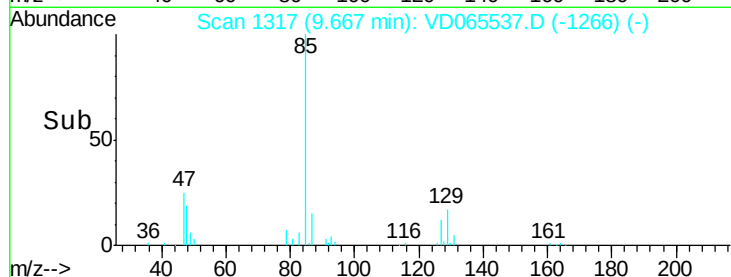
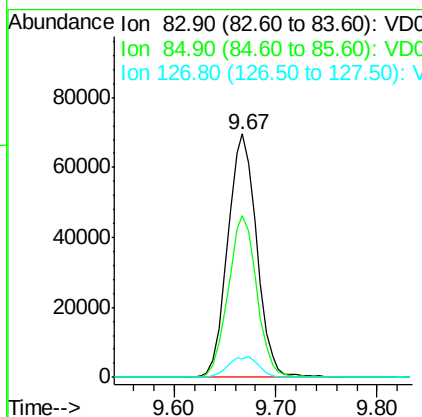
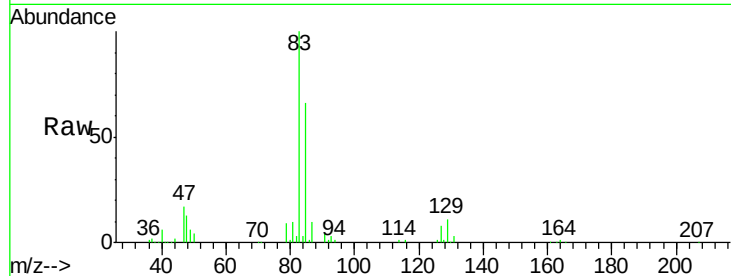
#47
Bromodichloromethane
Concen: 20.950 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	66.5	52.2	78.2	
127	7.7	7.1	10.7	

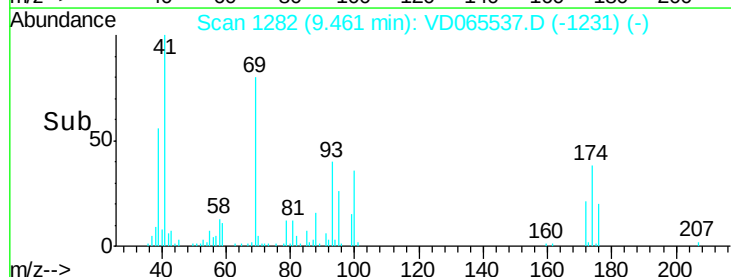
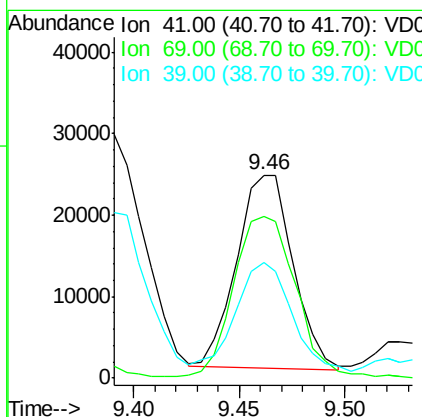
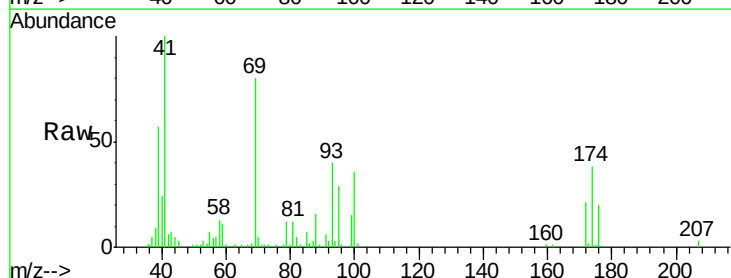
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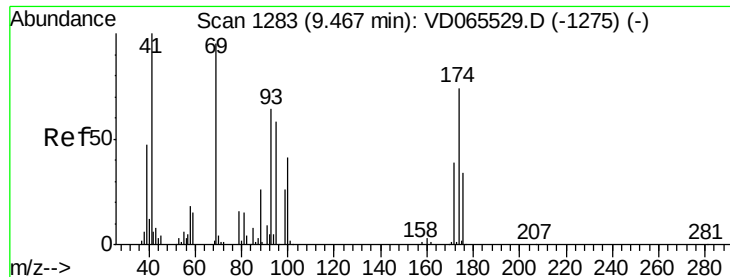
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#48
Methyl methacrylate
Concen: 19.456 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	93.4	71.8	107.6	
39	55.5	42.2	63.4	





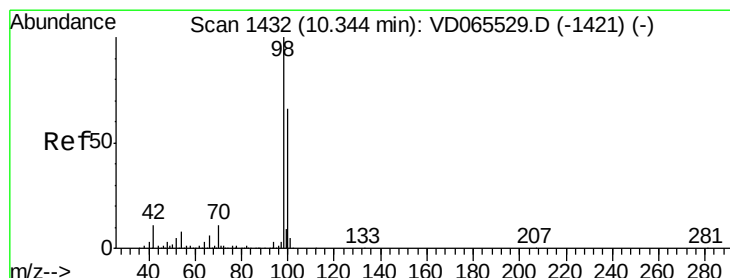
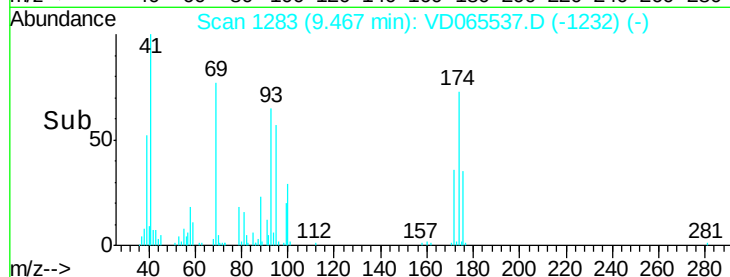
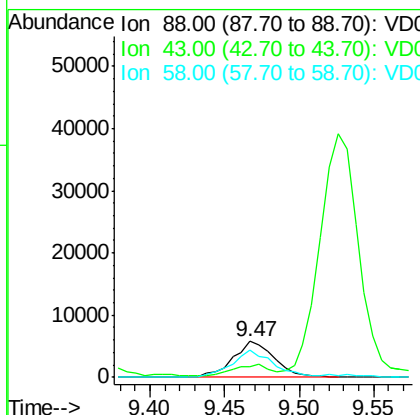
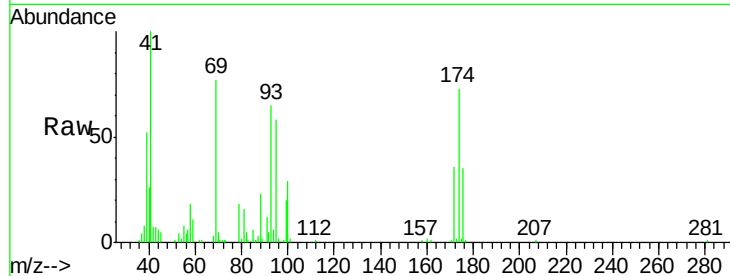
#49
1,4-Dioxane
Concen: 410.078 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD01

Tot Ion	88	Resp	11077
Ion Ratio	100	Lower	Upper
88	100		
43	26.6	26.0	39.0
58	75.4	54.6	82.0

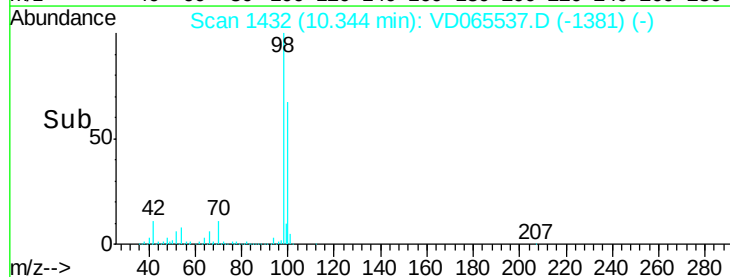
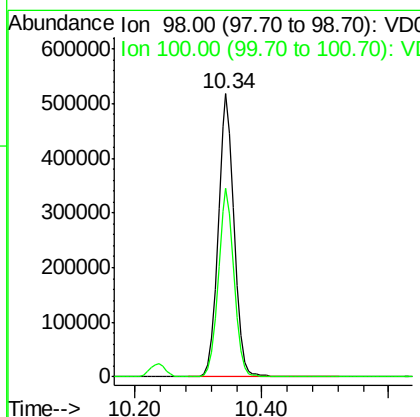
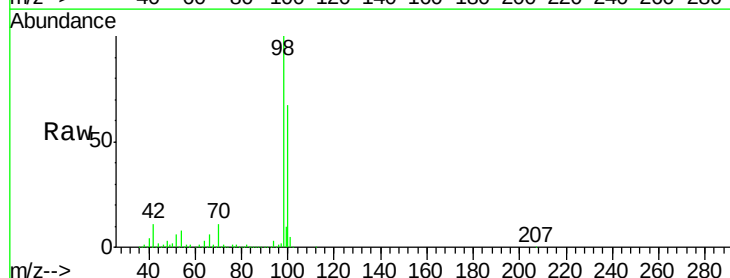
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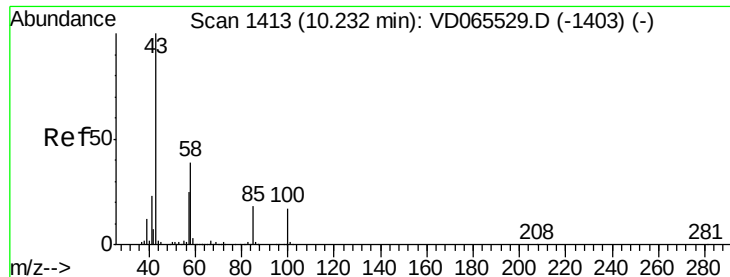
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#50
Toluene-d8
Concen: 53.257 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion	98	Resp	922514
Ion Ratio	100	Lower	Upper
98	100		
100	65.9	52.2	78.2





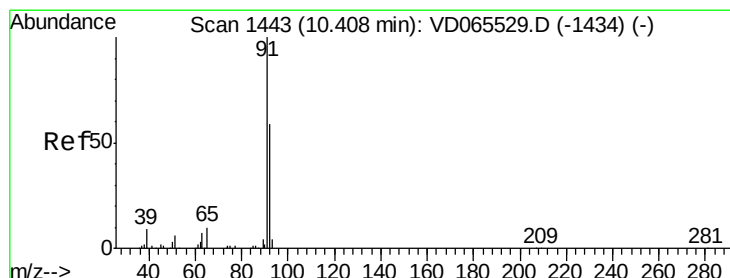
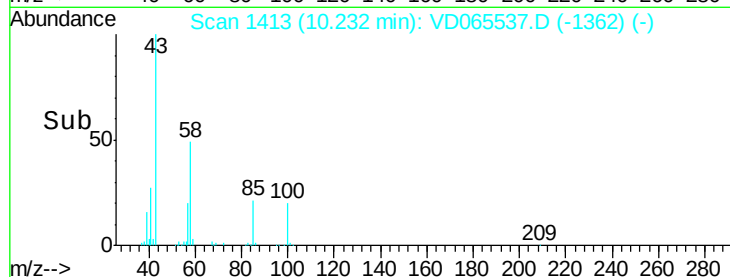
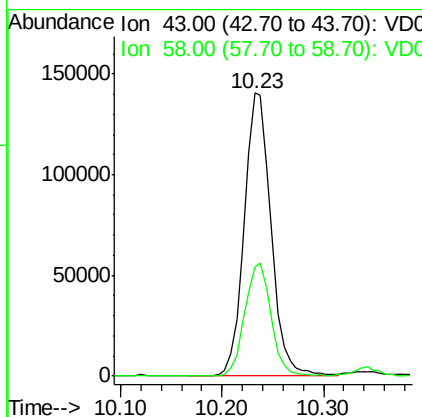
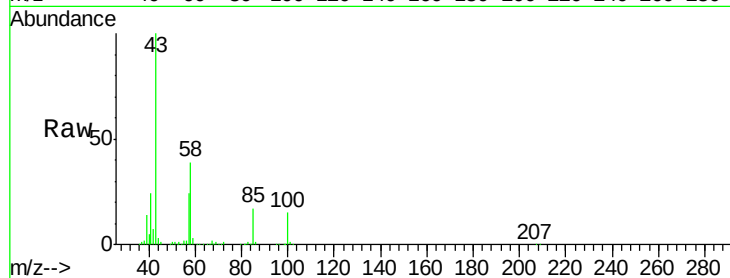
#51
4-Methyl-2-Pentanone
Concen: 107.770 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.4	47.2

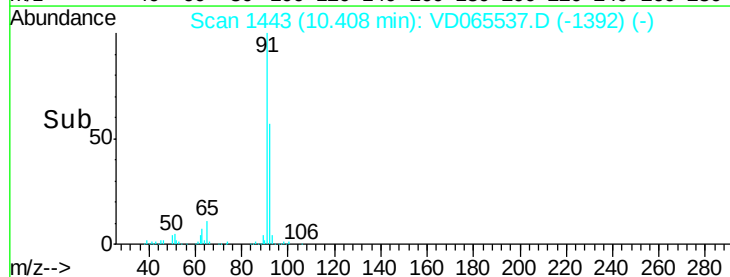
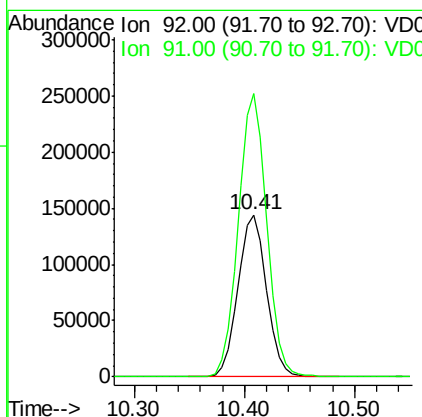
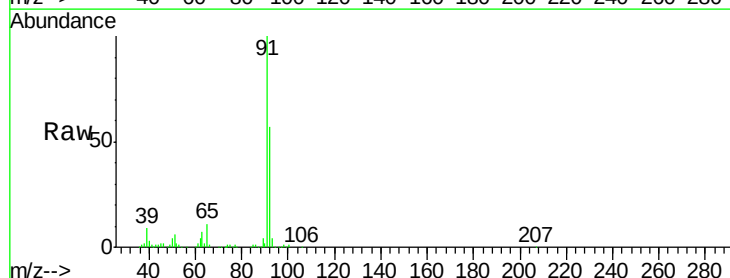
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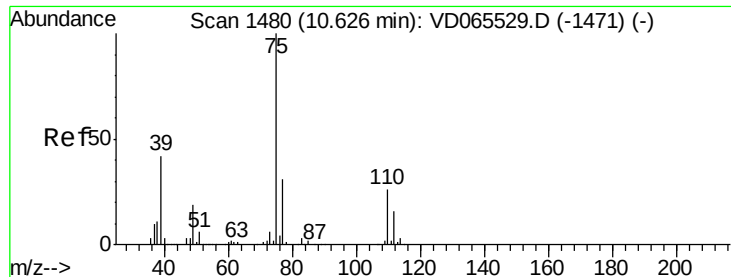
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#52
Toluene
Concen: 21.268 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.1	137.3	205.9





#53

t-1,3-Dichloropropene

Concen: 20.085 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion: 75 Resp: 120888

Ion Ratio Lower Upper

75 100

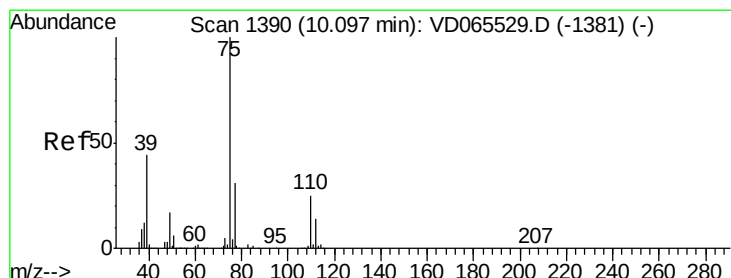
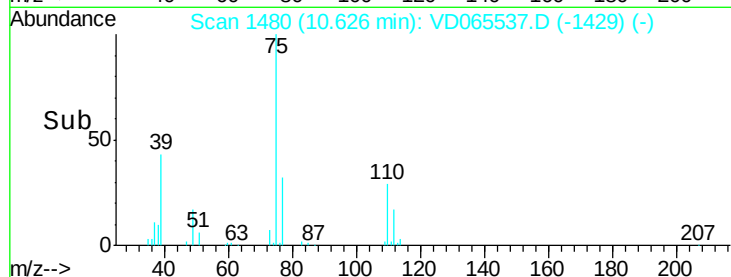
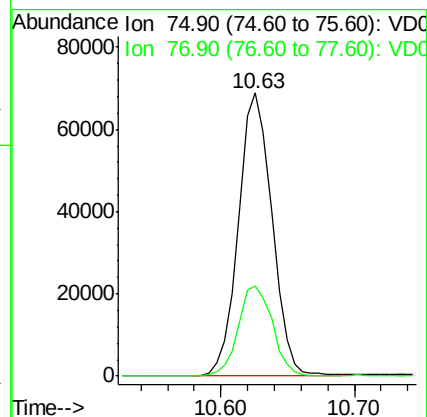
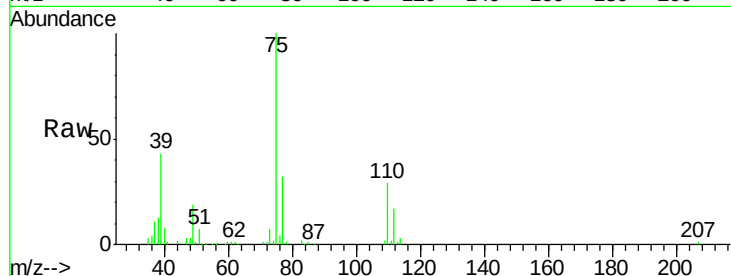
77 31.7 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.685 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

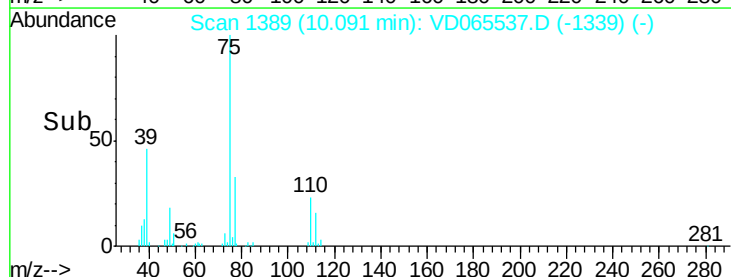
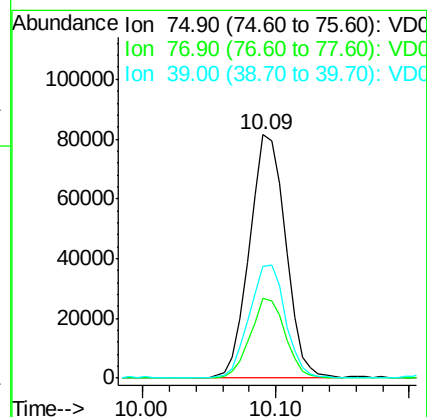
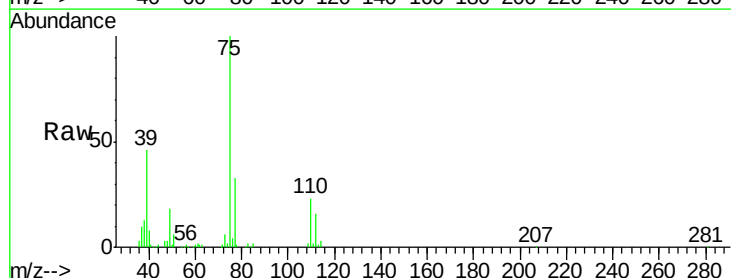
Tgt Ion: 75 Resp: 152324

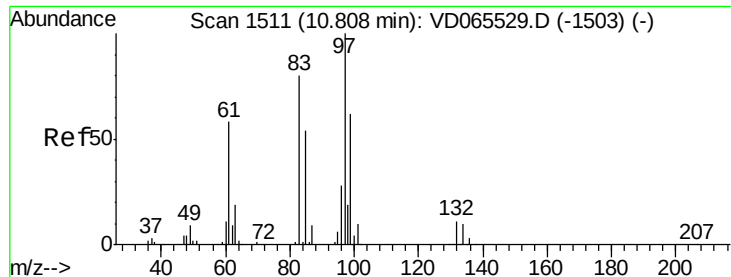
Ion Ratio Lower Upper

75 100

77 32.5 24.6 36.8

39 45.8 35.4 53.2





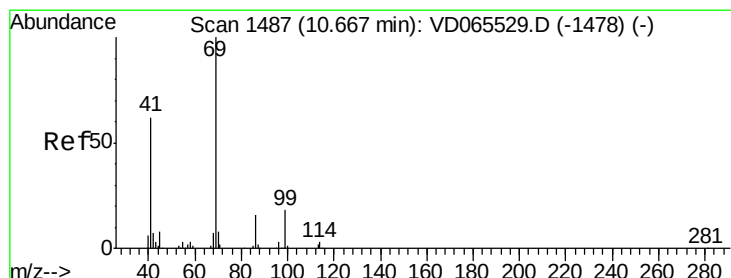
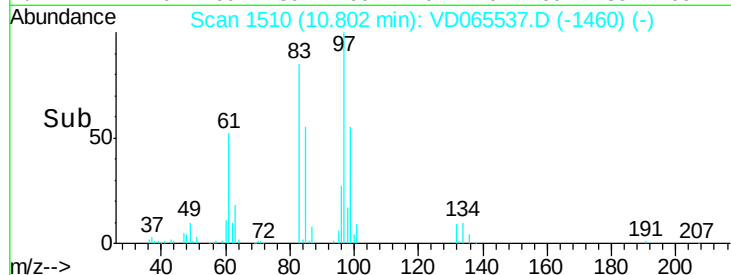
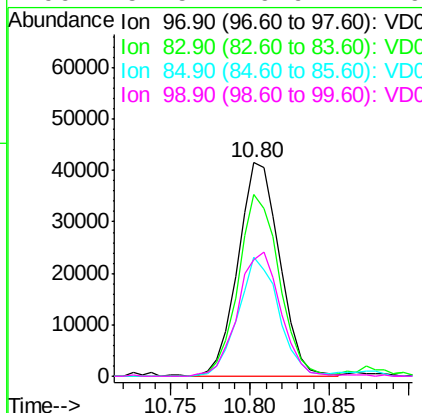
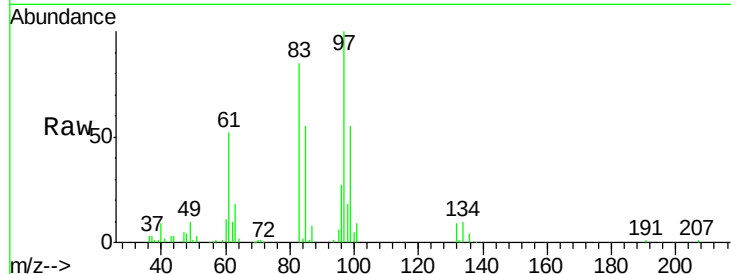
#55
 1,1,2-Trichloroethane
 Concen: 21.407 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		75858		
83	85.2	63.8	95.6		
85	55.5	42.9	64.3		
99	54.5	49.9	74.9		

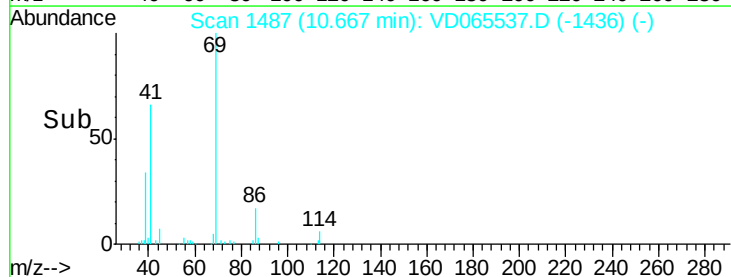
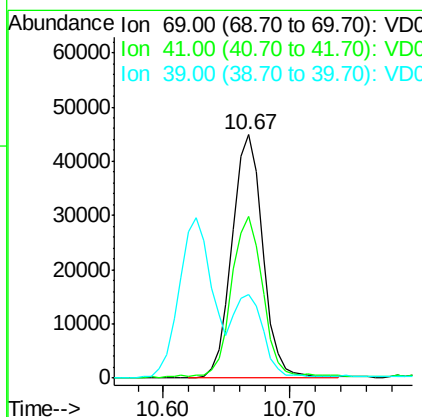
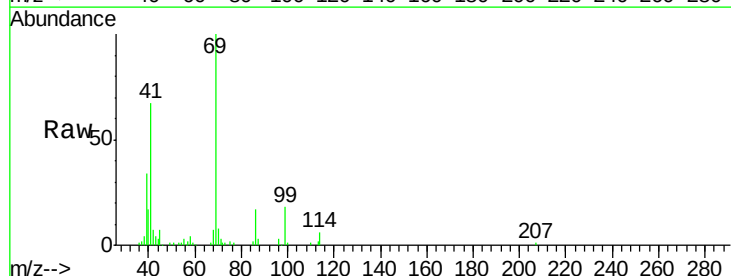
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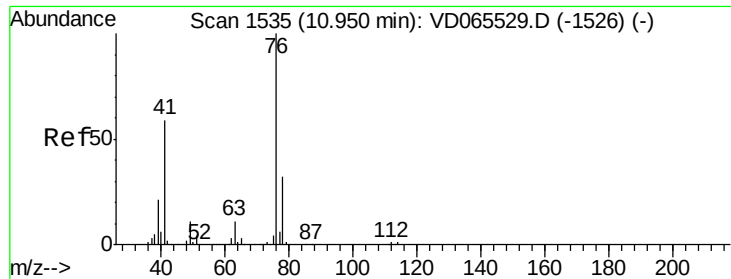
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#56
 Ethyl methacrylate
 Concen: 19.583 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		75468		
41	70.1	51.3	76.9		
39	32.6	25.3	37.9		





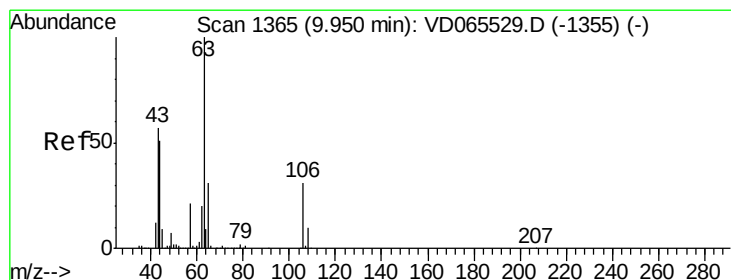
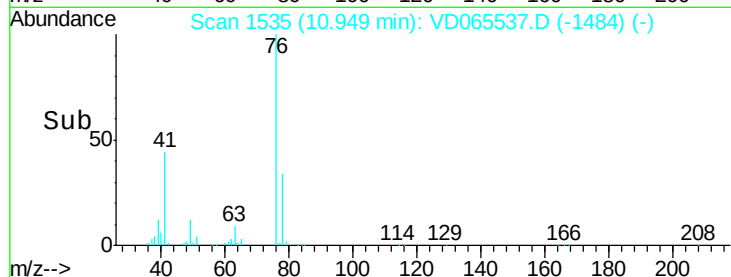
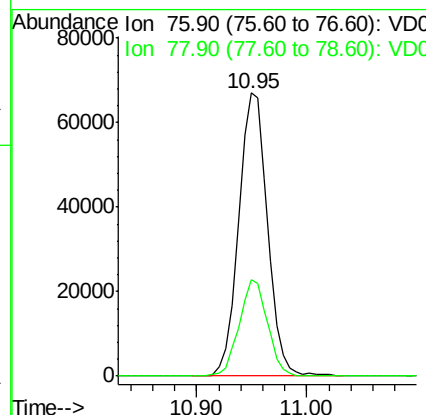
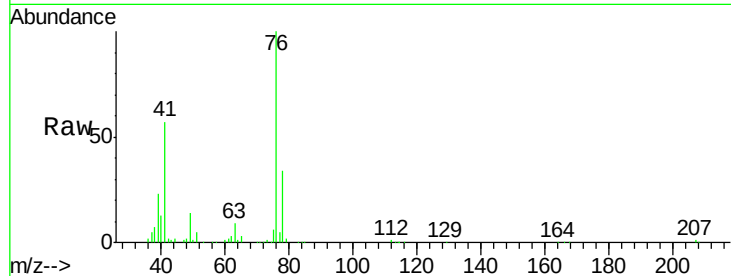
#57
 1,3-Dichloropropane
 Concen: 20.652 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.7	38.5

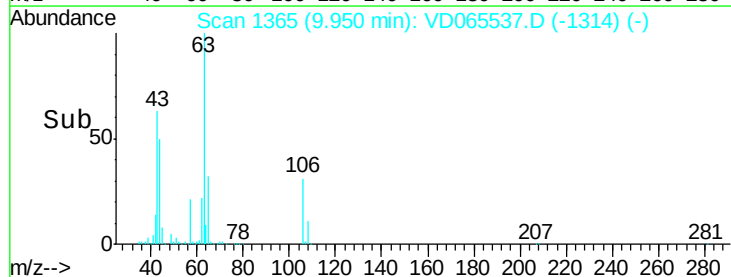
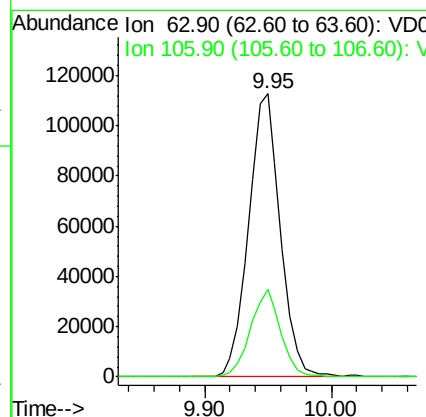
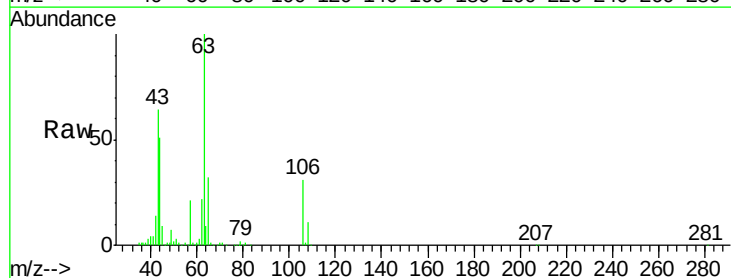
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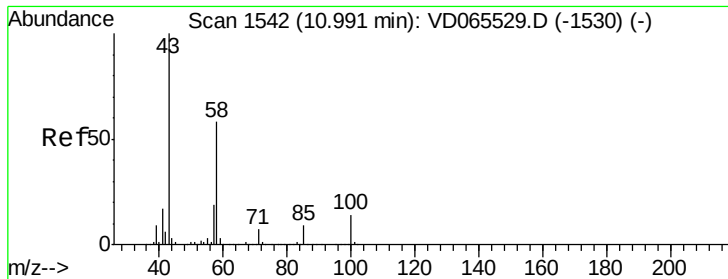
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.234 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	24.3	36.5





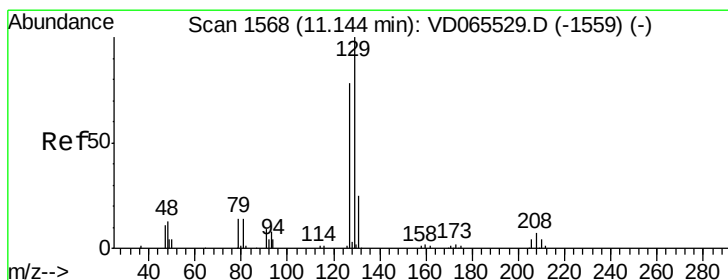
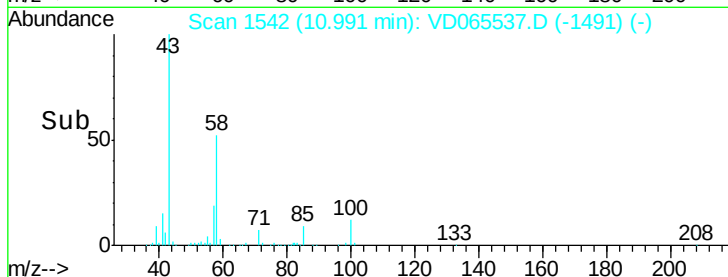
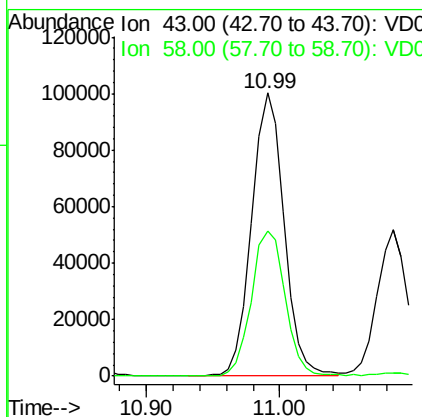
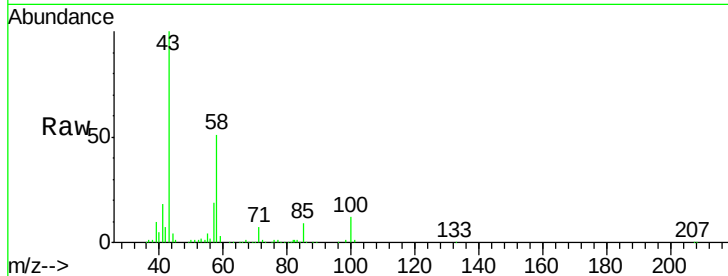
#59
2-Hexanone
Concen: 102.880 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion: 43 Resp: 168050
Ion Ratio Lower Upper
43 100
58 53.4 27.9 83.7

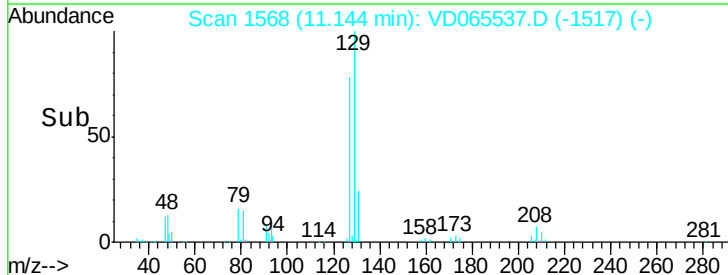
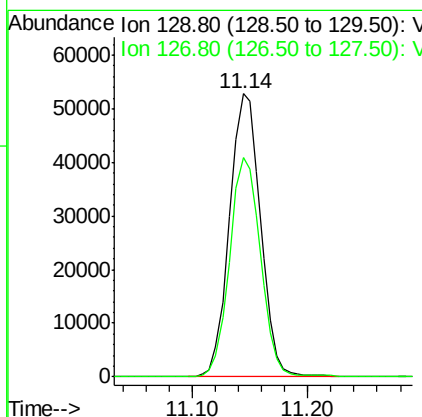
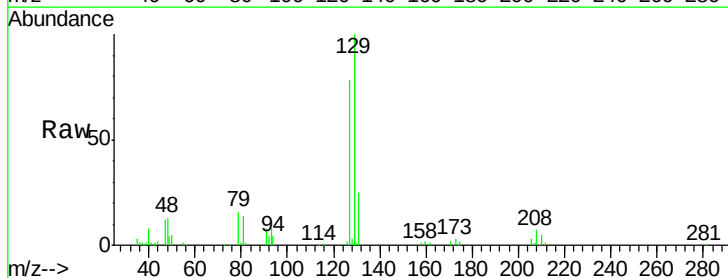
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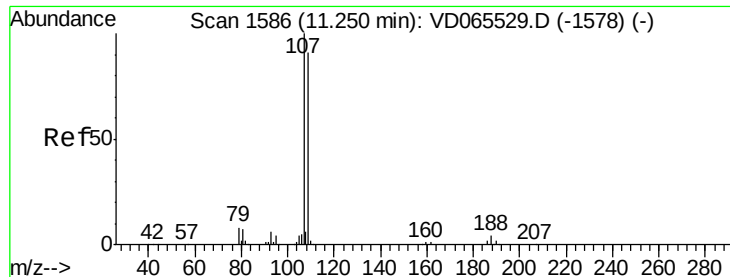
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#60
Dibromochloromethane
Concen: 20.933 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion: 129 Resp: 98301
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.6





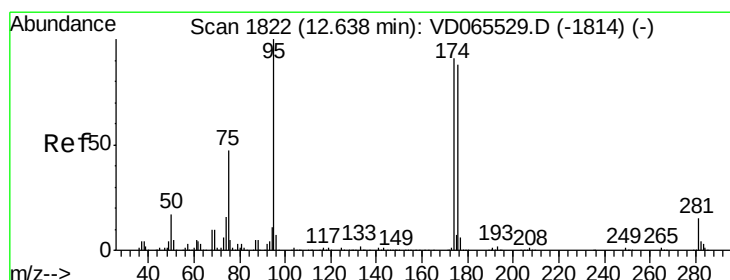
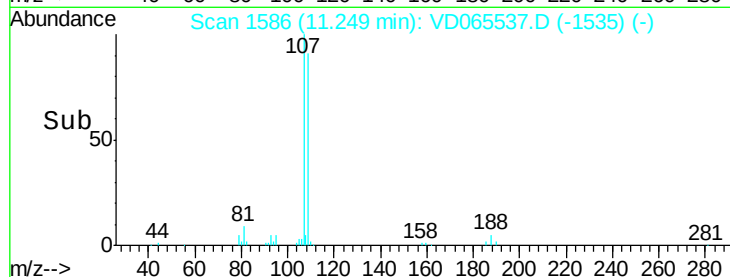
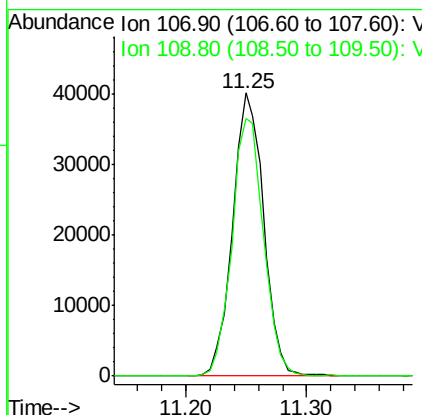
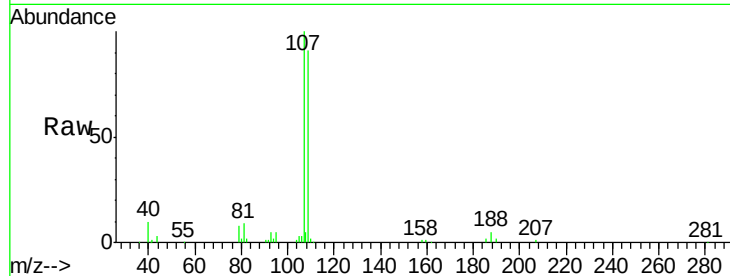
#61
 1,2-Dibromoethane
 Concen: 20.972 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD01

Tot Ion:107 Resp: 71927
 Ion Ratio Lower Upper
 107 100
 109 92.6 74.9 112.3

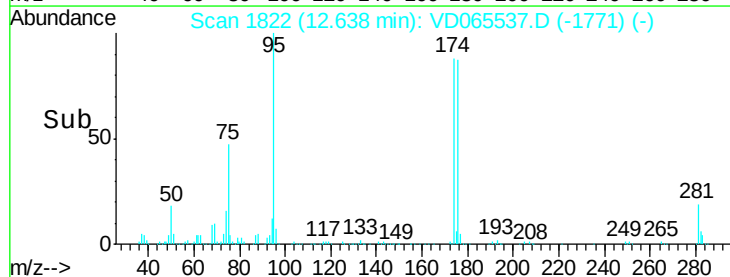
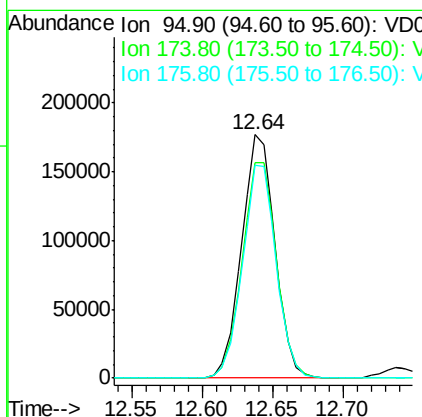
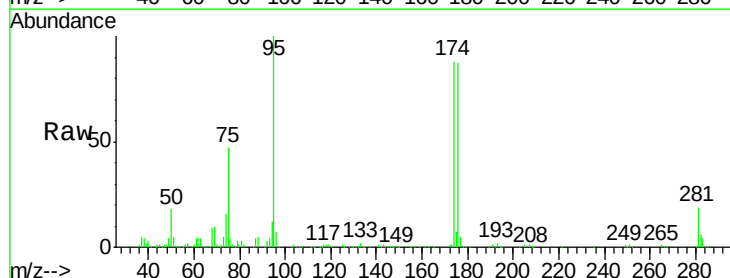
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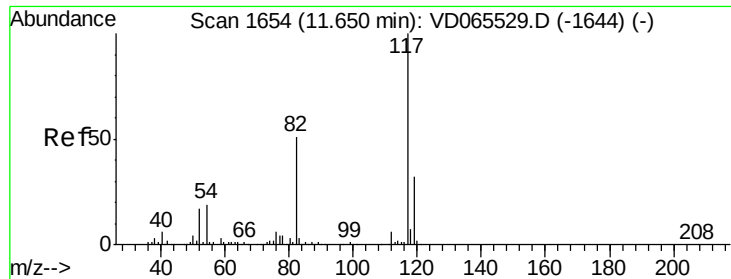
apatel
 3/30/2020 2:55:25 PM



#62
 4-Bromofluorobenzene
 Concen: 53.180 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion: 95 Resp: 292373
 Ion Ratio Lower Upper
 95 100
 174 91.2 0.0 183.8
 176 88.3 0.0 178.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

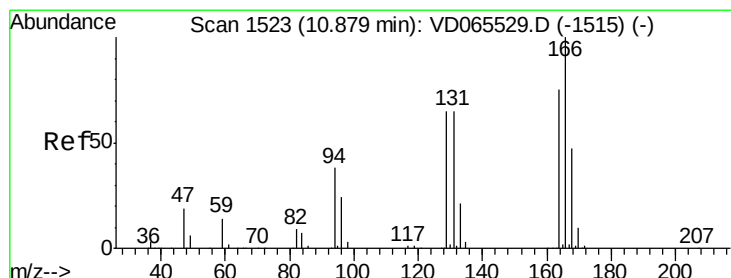
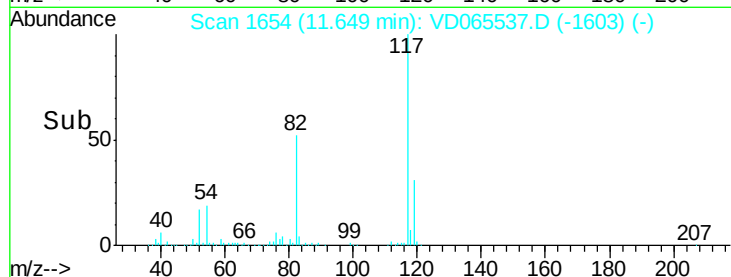
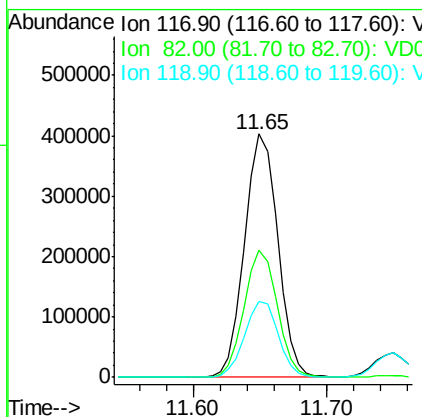
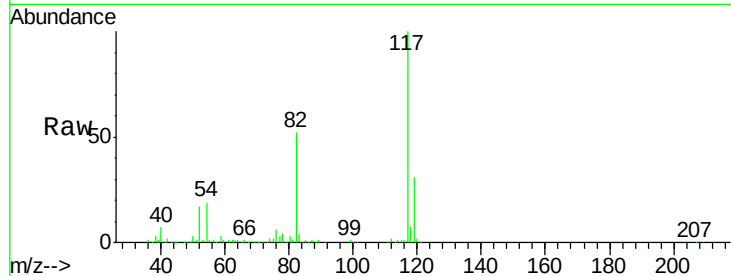
ClientSampleId :

VD0327SBS01

Tot Ion:	117	Resp:	696030
Ion Ratio	Lower	Upper	
117	100		
82	52.2	41.0	61.6
119	31.3	25.5	38.3

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#64

Tetrachloroethene

Concen: 20.898 ug/l

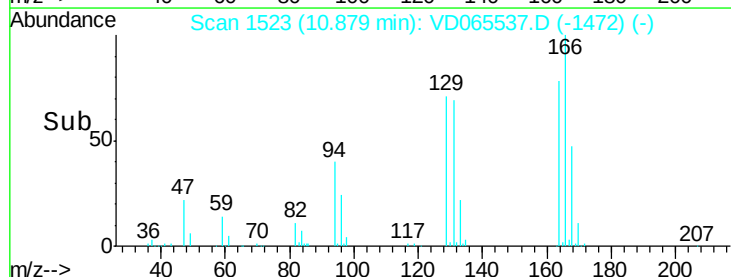
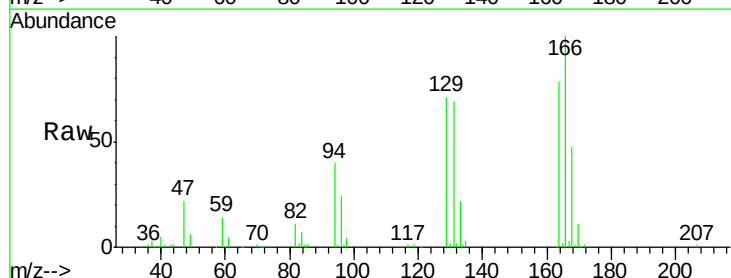
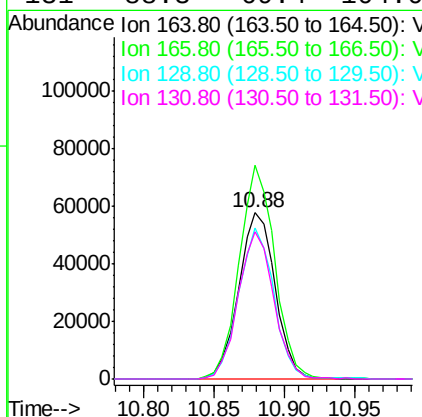
RT: 10.88 min Scan# 1523

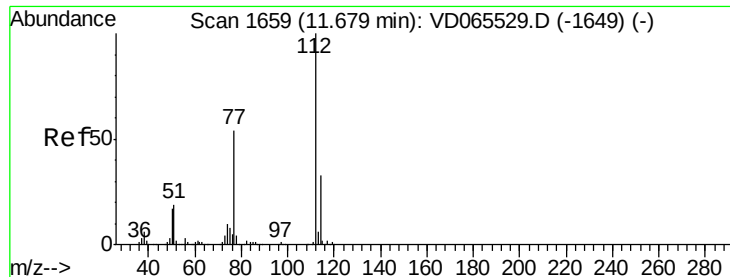
Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Tgt Ion:	164	Resp:	104196
Ion Ratio	Lower	Upper	
164	100		
166	128.5	107.1	160.7
129	91.0	69.2	103.8
131	88.3	69.4	104.0





#65

Chlorobenzene

Concen: 20.920 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion:112 Resp: 284668

Ion Ratio Lower Upper

112 100

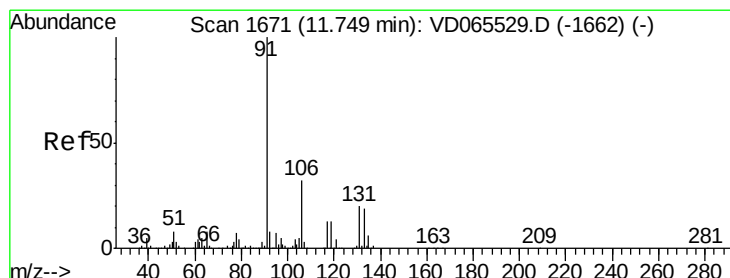
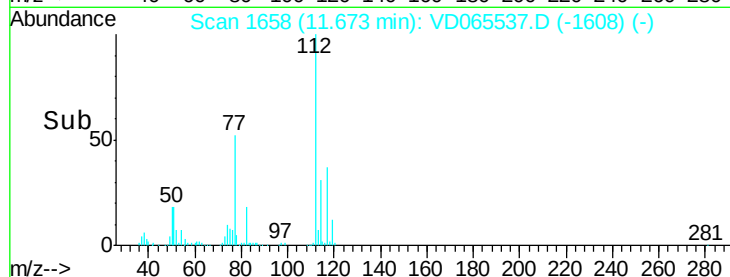
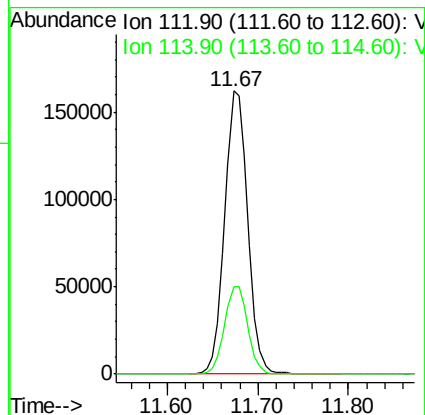
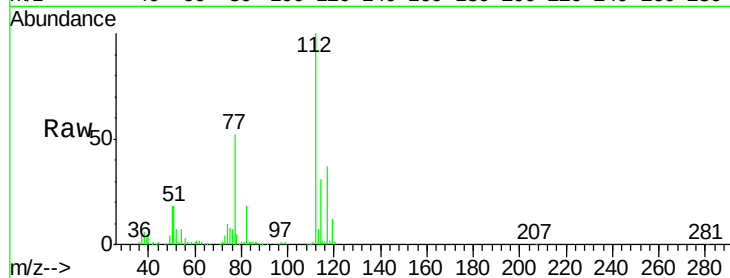
114 30.8 26.0 39.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.107 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

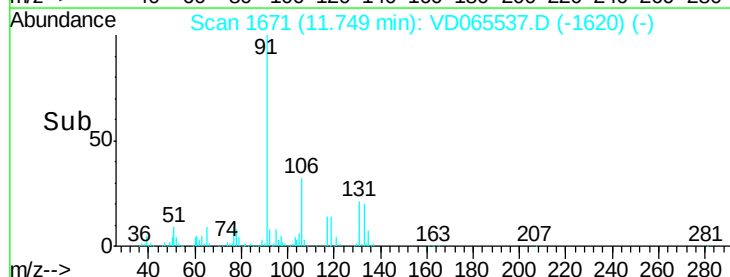
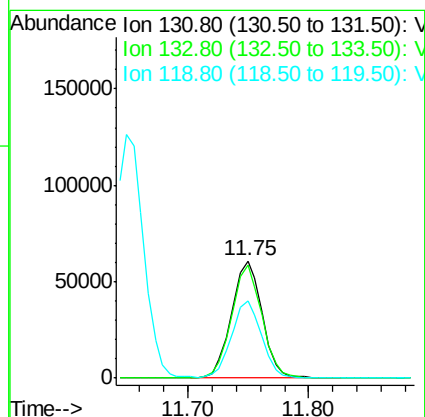
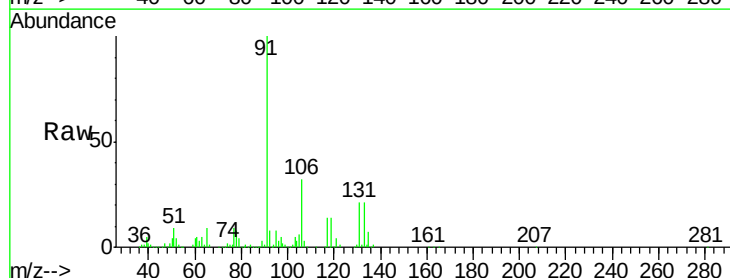
Tgt Ion:131 Resp: 107104

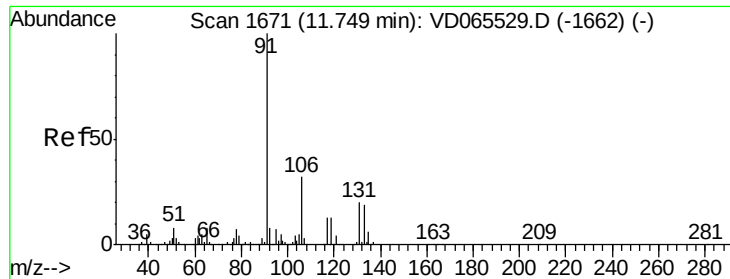
Ion Ratio Lower Upper

131 100

133 95.6 48.9 146.7

119 64.8 32.5 97.4





#67

Ethyl Benzene

Concen: 20.693 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion: 91 Resp: 474256

Ion Ratio Lower Upper

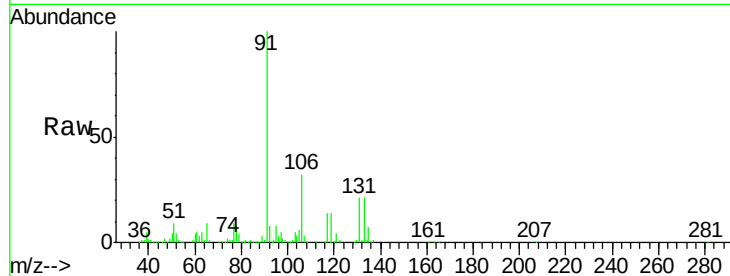
91 100

106 31.6 25.4 38.0

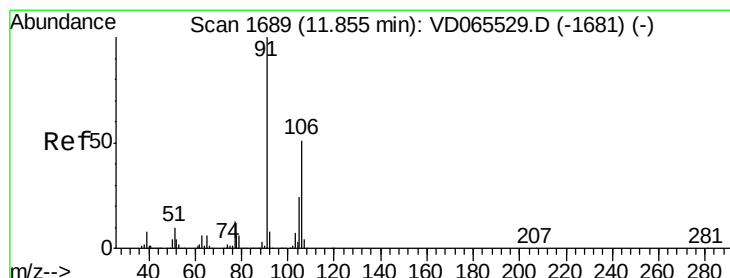
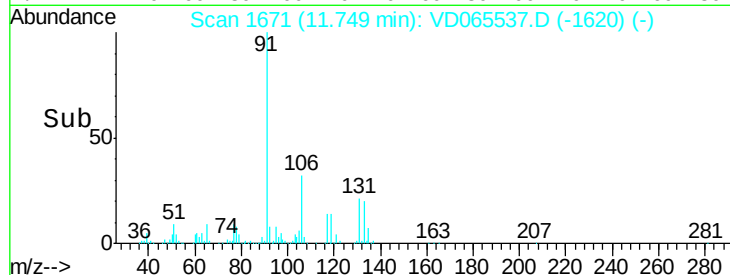
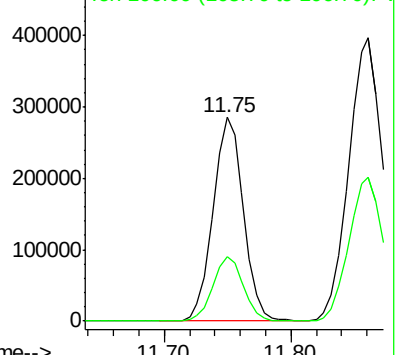
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Abundance Ion 91.00 (90.70 to 91.70): VD065529.D (-1662) (-)



#68

m/p-Xylenes

Concen: 42.332 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065537.D

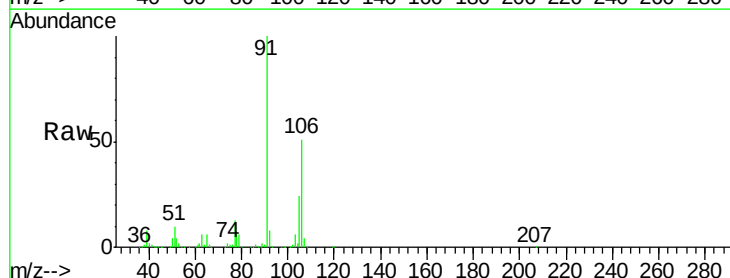
Acq: 27 Mar 2020 11:54

Tgt Ion: 106 Resp: 380943

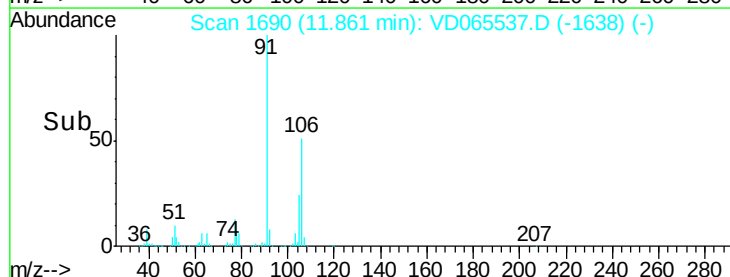
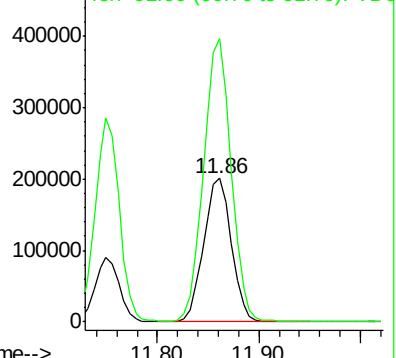
Ion Ratio Lower Upper

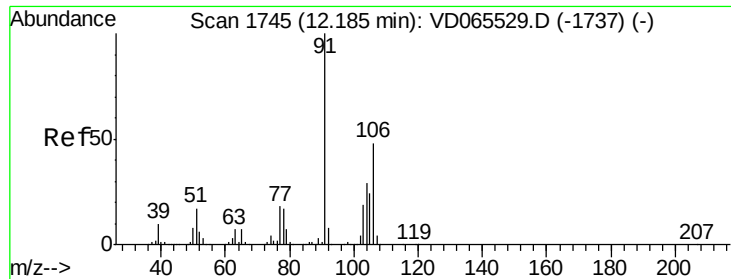
106 100

91 196.1 155.4 233.0



Abundance Ion 106.00 (105.70 to 106.70): VD065529.D (-1681) (-)





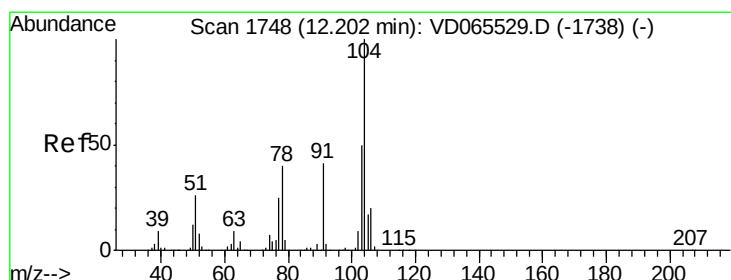
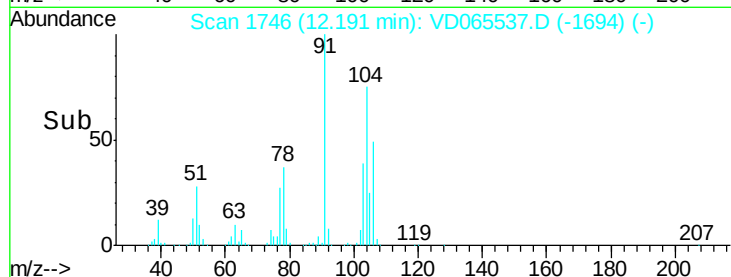
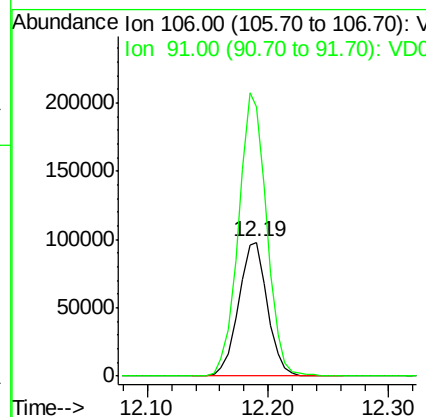
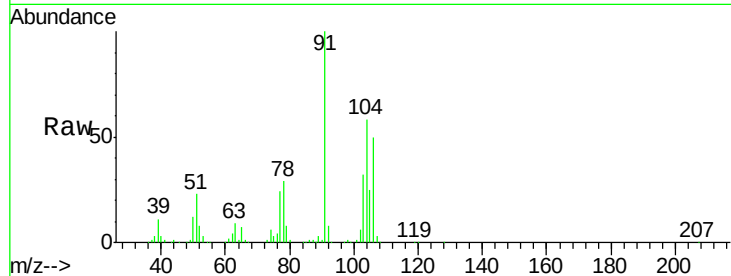
#69
o-Xylene
Concen: 20.637 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion:106 Resp: 162640
Ion Ratio Lower Upper
106 100
91 206.9 102.8 308.4

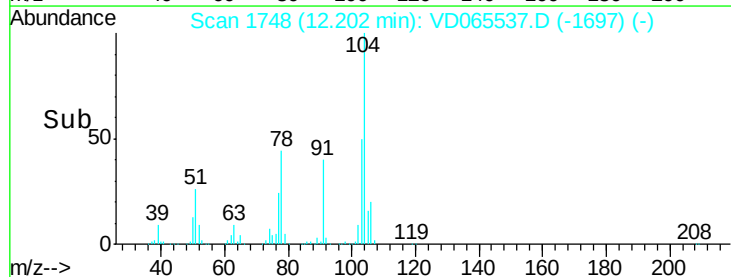
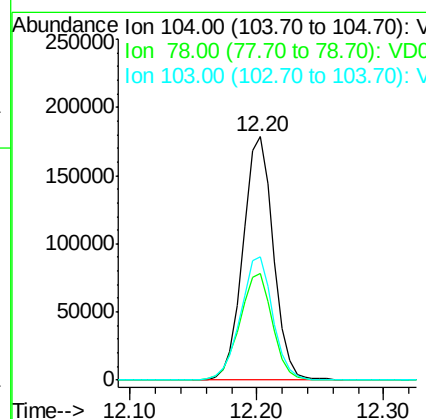
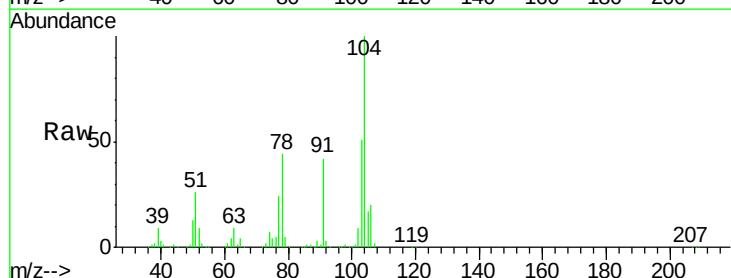
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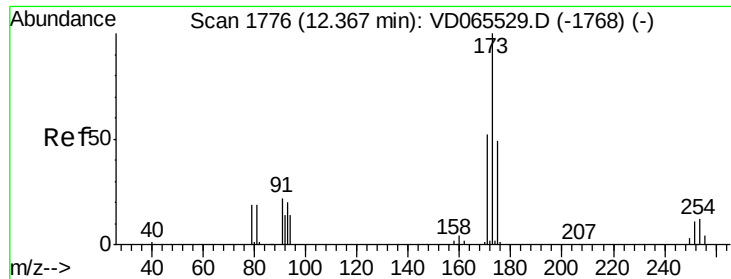
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#70
Styrene
Concen: 21.327 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion:104 Resp: 296873
Ion Ratio Lower Upper
104 100
78 47.5 36.6 55.0
103 53.7 43.8 65.6





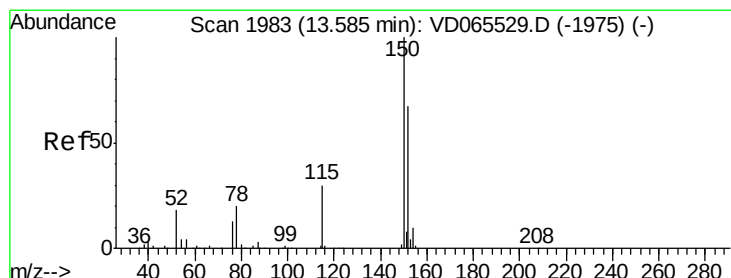
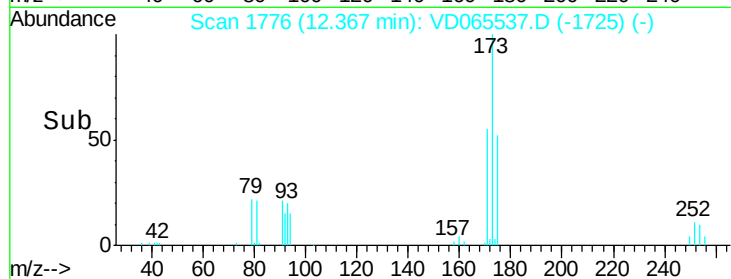
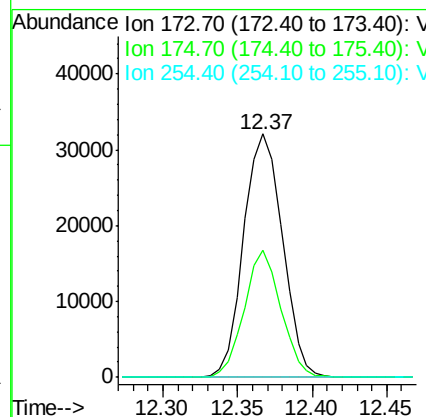
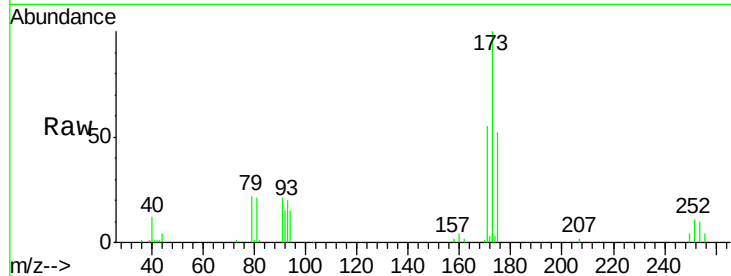
#71
Bromoform
Concen: 20.734 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.0	0.0	0.0

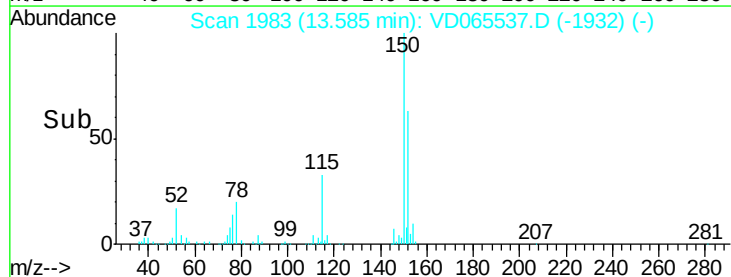
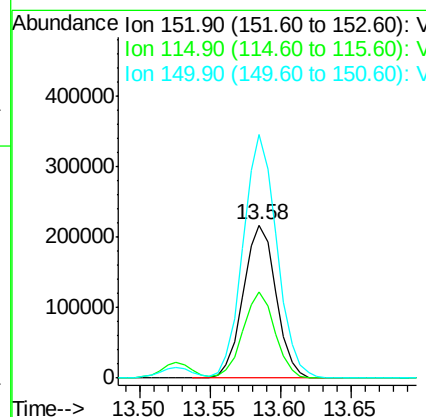
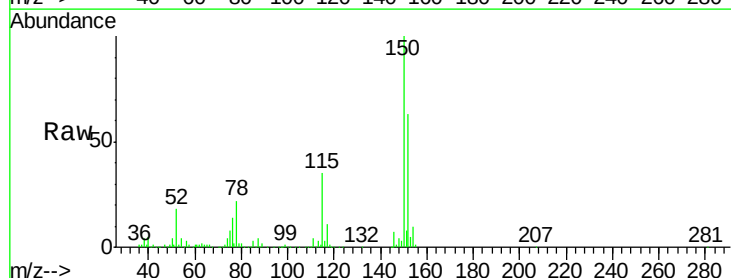
Manual Integrations
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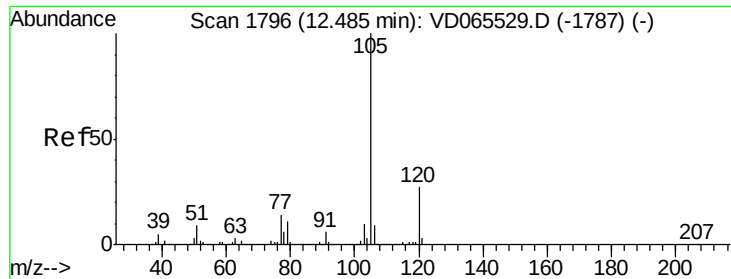
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.2	81.6
150	163.5	0.0	340.2





#73

Isopropylbenzene

Concen: 20.784 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion:105 Resp: 451463

Ion Ratio Lower Upper

105 100

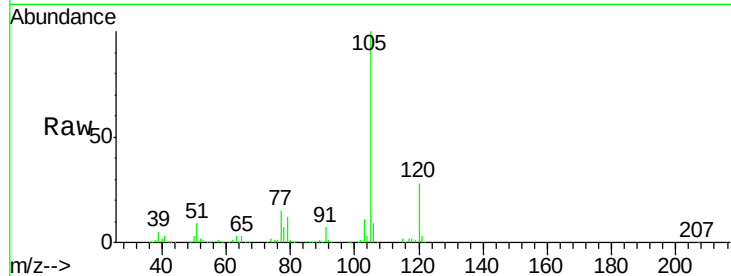
120 27.0 13.7 41.0

Manual Integrations

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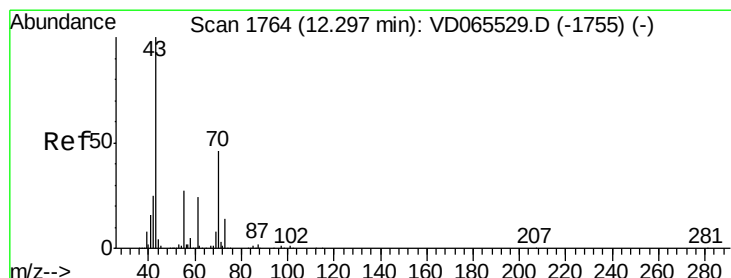
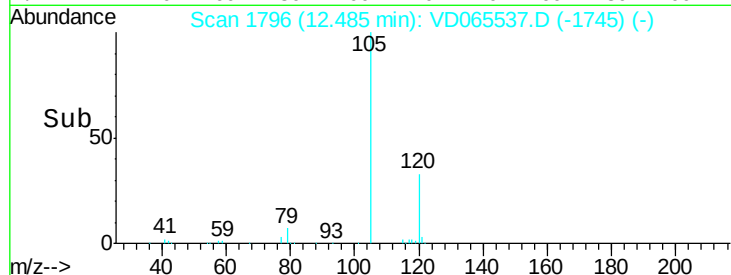
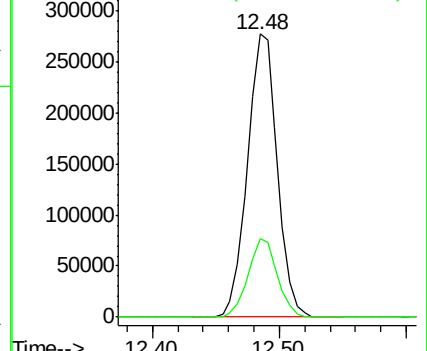
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.293 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Tgt Ion: 43 Resp: 82704

Ion Ratio Lower Upper

43 100

70 45.4 36.2 54.2

55 30.7 22.2 33.4

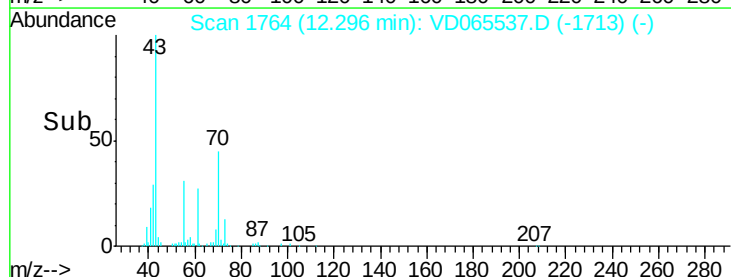
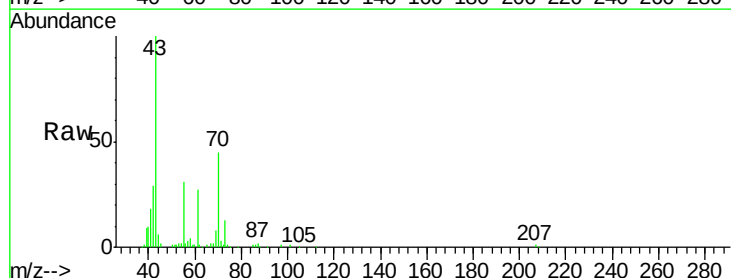
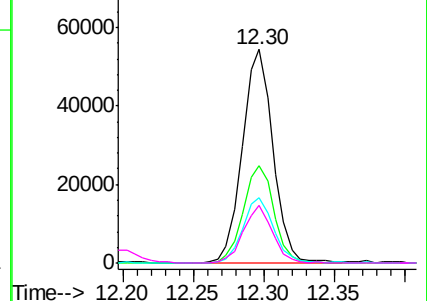
61 25.4 19.5 29.3

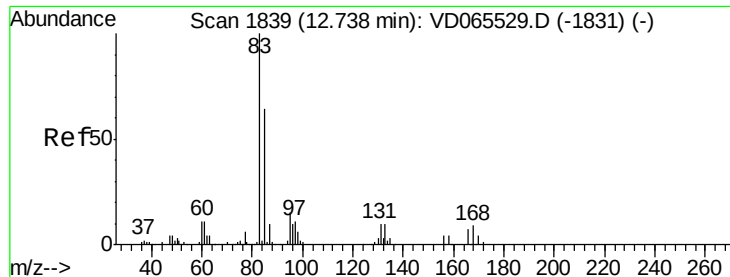
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.065 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBSD01

Tot Ion: 83 Resp: 79476

Ion Ratio Lower Upper

83 100

131 11.0 5.6 16.8

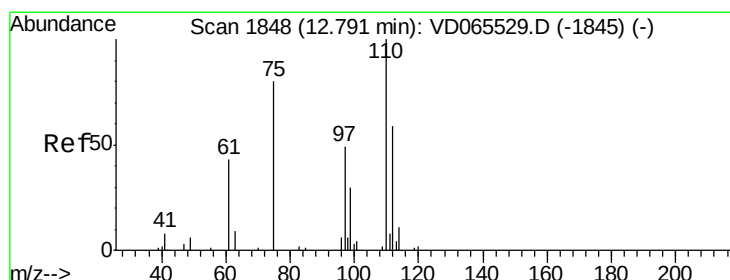
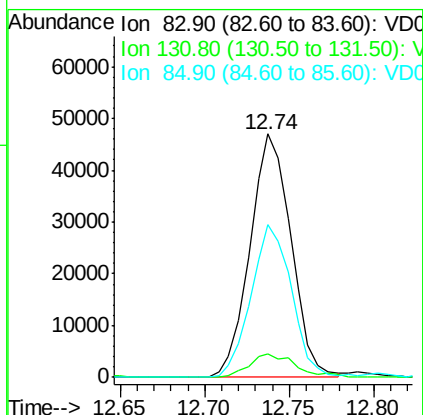
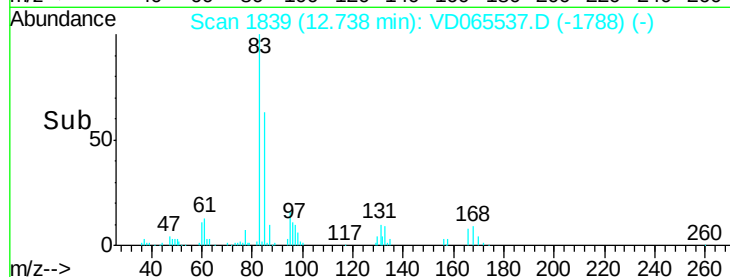
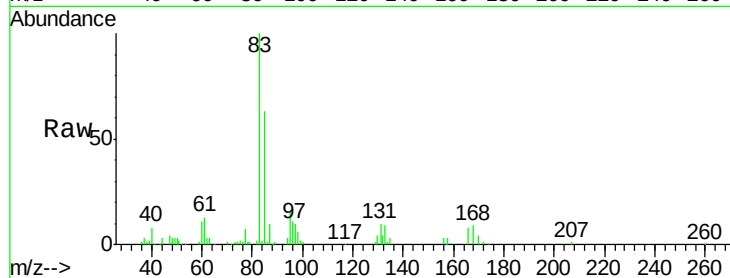
85 61.7 32.6 98.0

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#76

1,2,3-Trichloropropane

Concen: 19.033 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065537.D

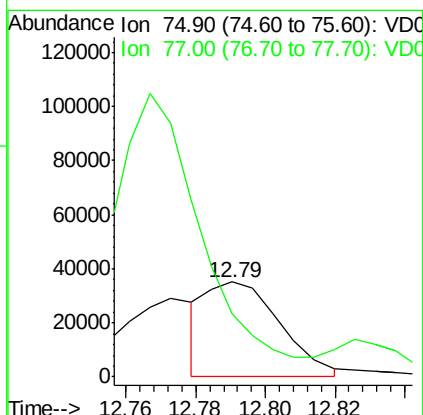
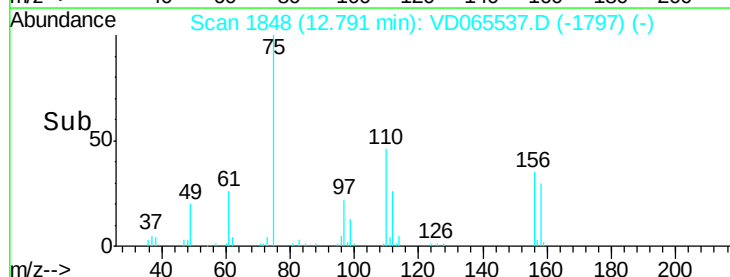
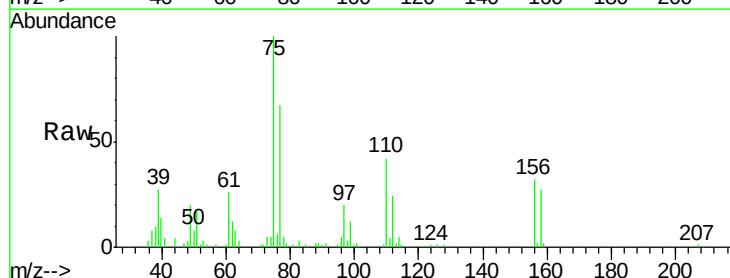
Acq: 27 Mar 2020 11:54

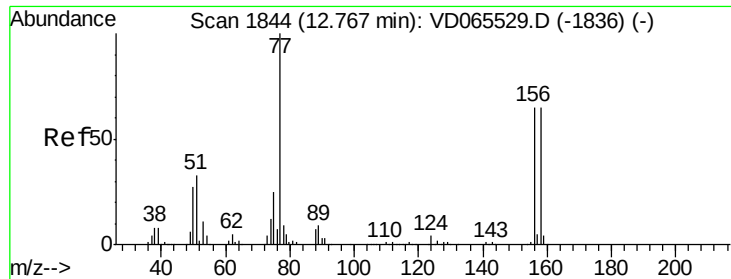
Tgt Ion: 75 Resp: 51764

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.180 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

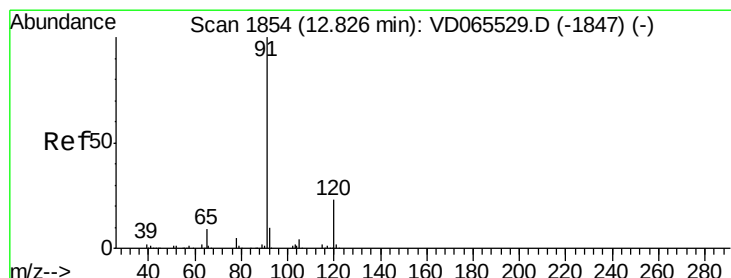
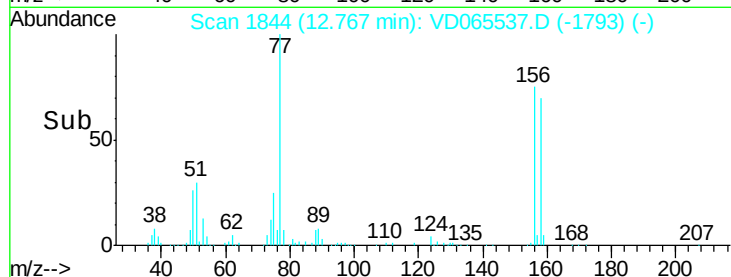
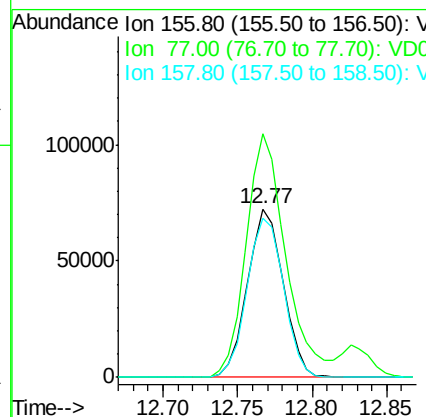
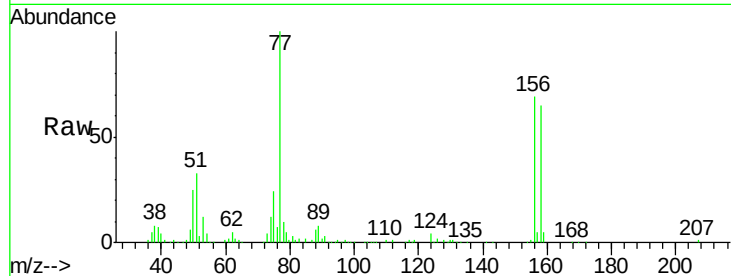
ClientSampleId :

VD0327SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	158.6	81.8	245.3
158	96.5	49.1	147.4

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#78

n-propylbenzene

Concen: 21.261 ug/l

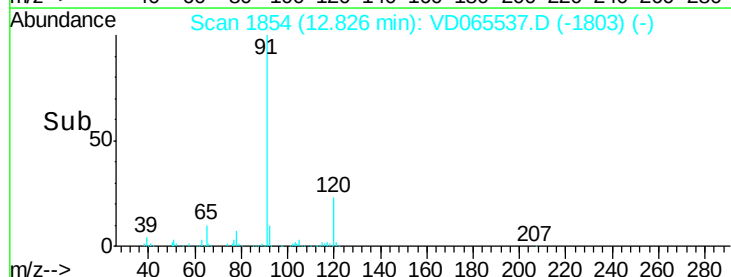
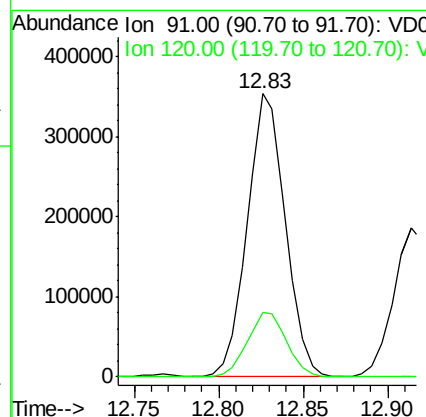
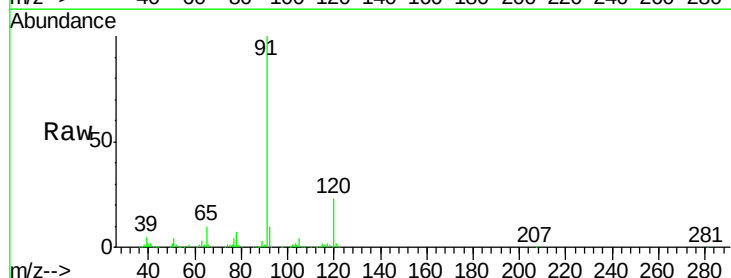
RT: 12.83 min Scan# 1854

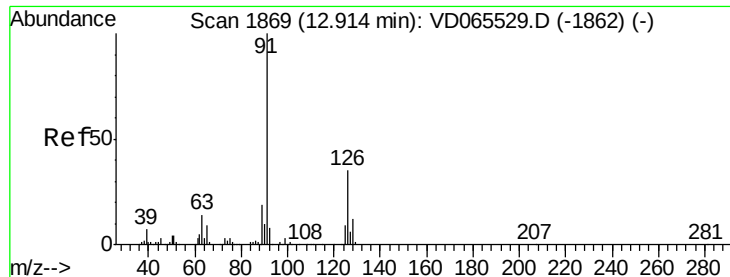
Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.4





#79

2-Chlorotoluene

Concen: 20.984 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion: 91 Resp: 309962

Ion Ratio Lower Upper

91 100

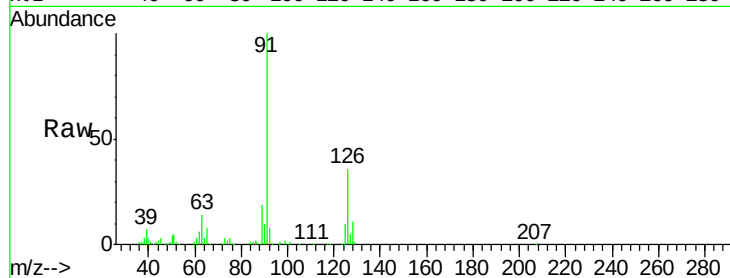
126 35.4 17.8 53.4

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Abundance Ion 91.00 (90.70 to 91.70): VD065529.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065529.D (-1862) (-)

400000

300000

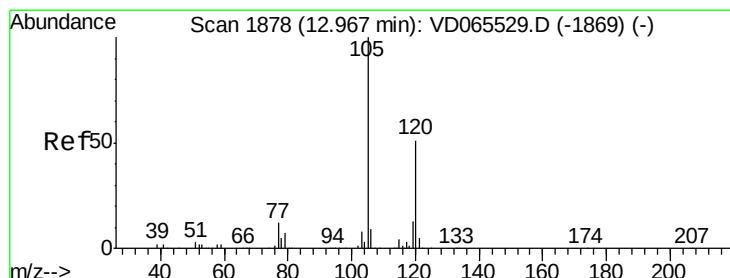
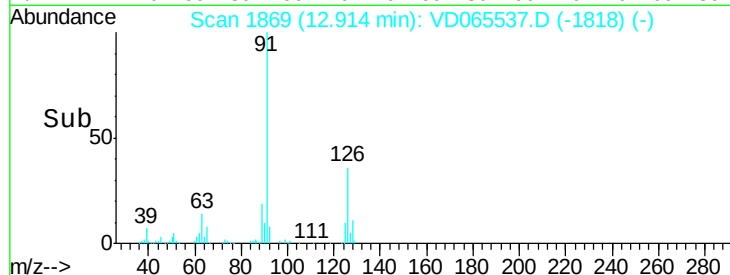
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.342 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065537.D

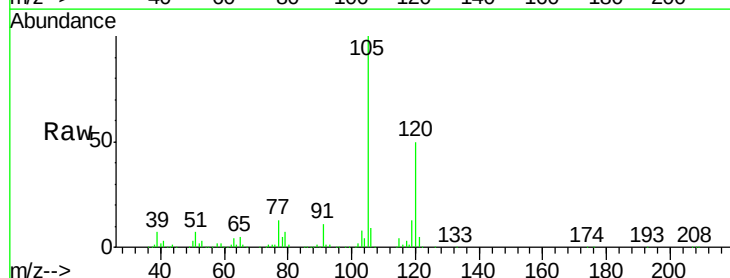
Acq: 27 Mar 2020 11:54

Tgt Ion:105 Resp: 384247

Ion Ratio Lower Upper

105 100

120 50.9 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065529.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065529.D (-1869) (-)

250000

200000

150000

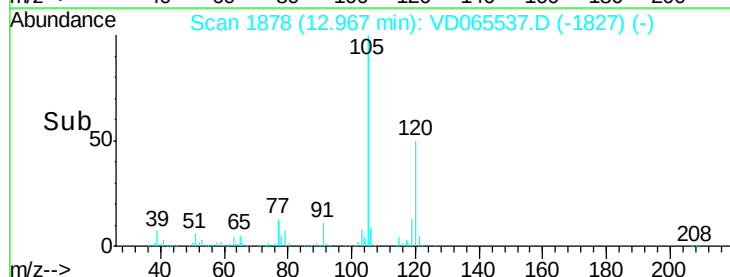
100000

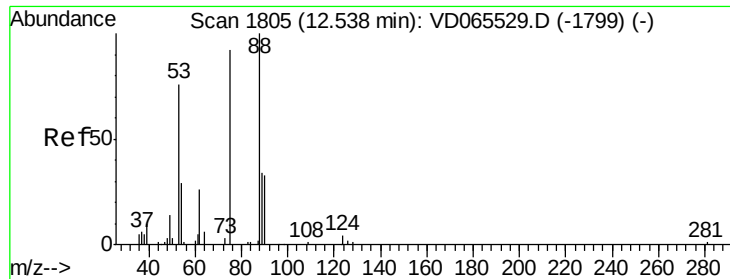
50000

0

12.90 13.00

Time-->





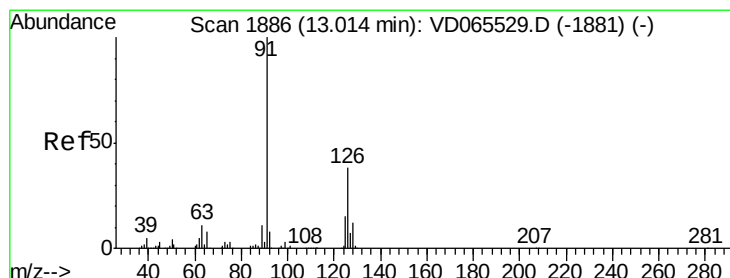
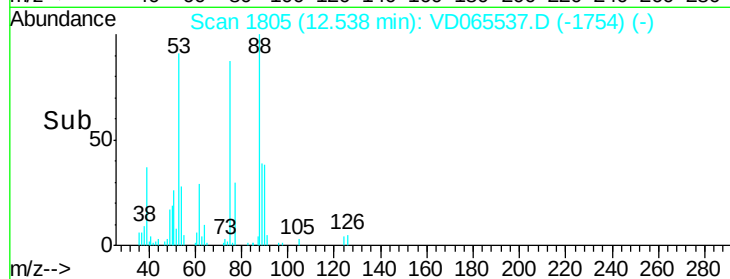
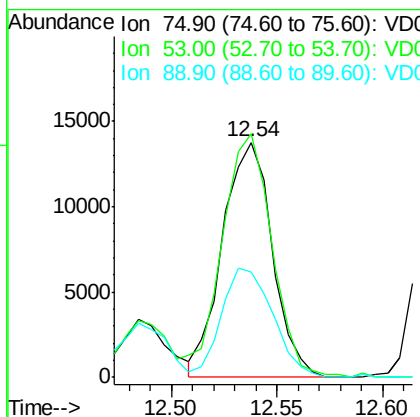
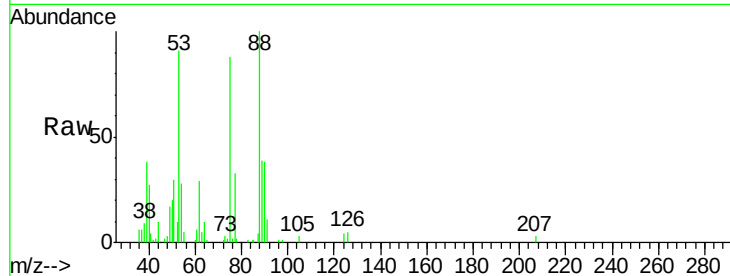
#81
trans-1,4-Dichloro-2-butene
Concen: 18.510 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.3	72.4	108.6
89	47.9	36.9	55.3

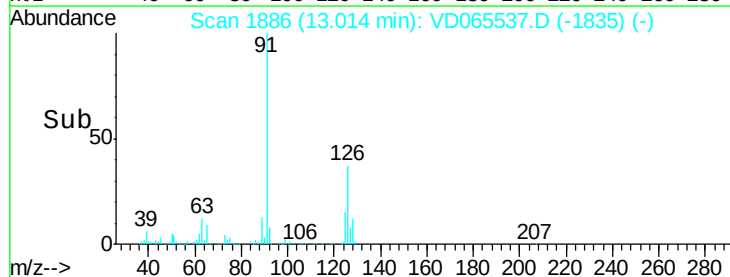
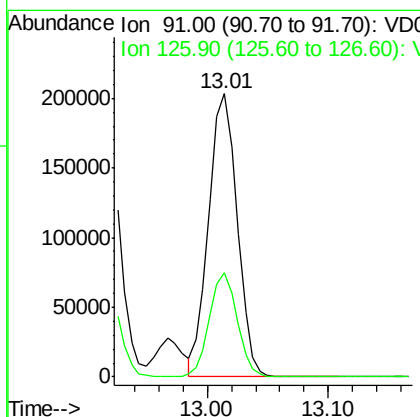
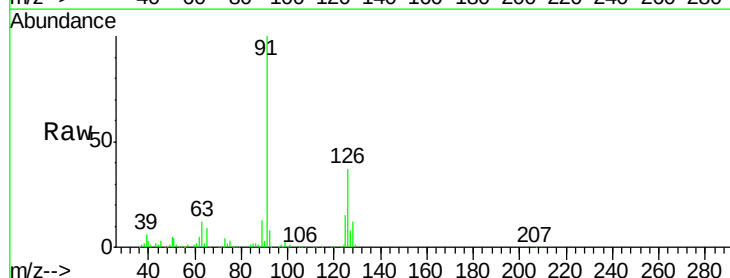
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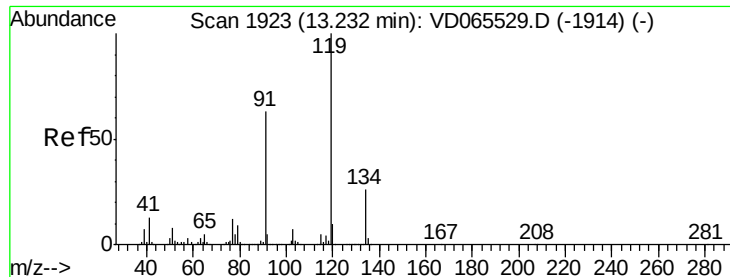
apatel
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#82
4-Chlorotoluene
Concen: 21.199 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.9	53.7





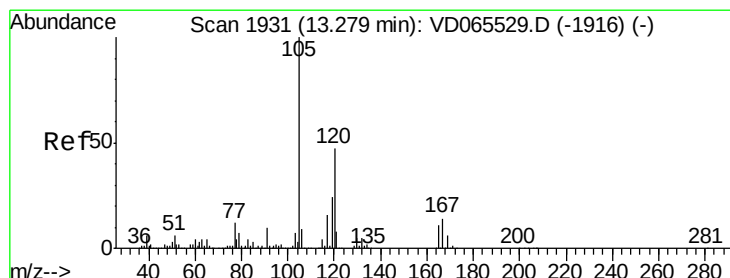
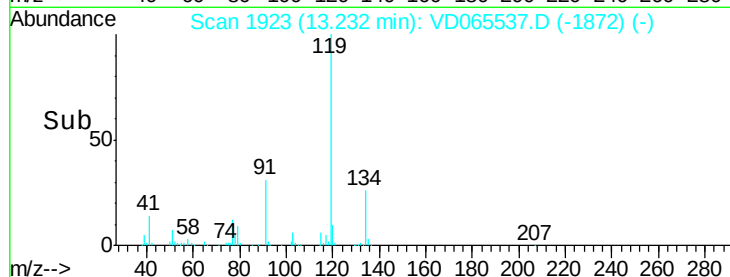
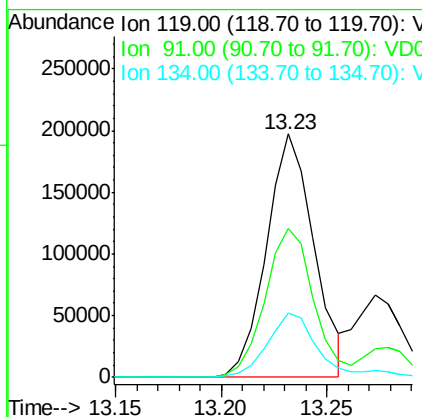
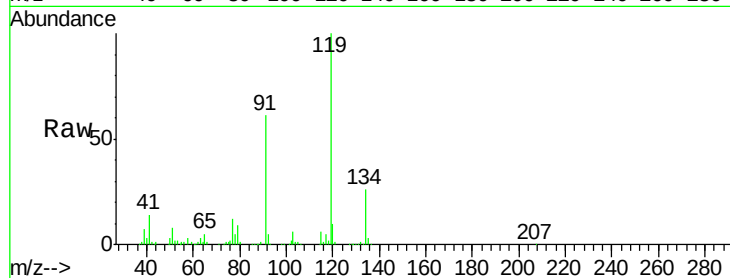
#83
 tert-Butylbenzene
 Concen: 20.435 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.4	94.0
134	28.7	13.9	41.6

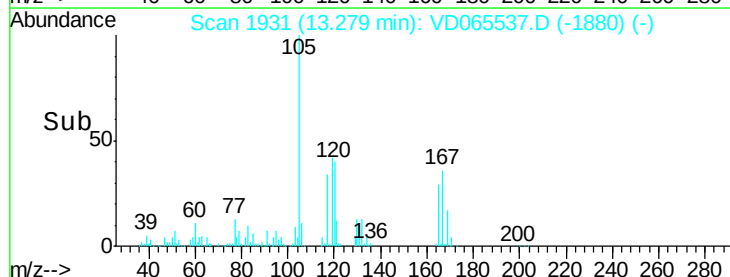
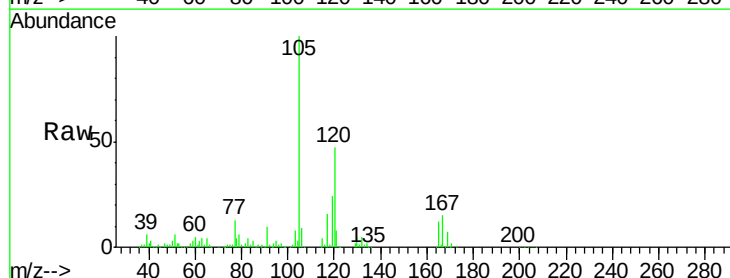
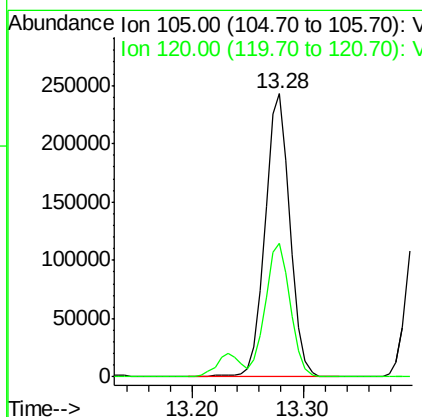
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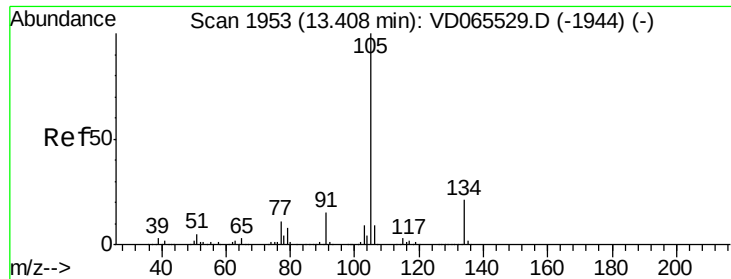
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.208 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.5	70.5





#85

sec-Butylbenzene

Concen: 21.006 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion:105 Resp: 453282

Ion Ratio Lower Upper

105 100

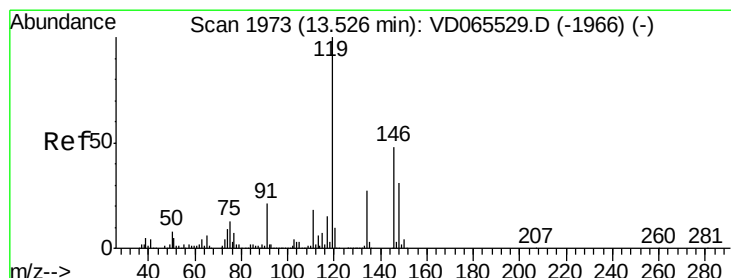
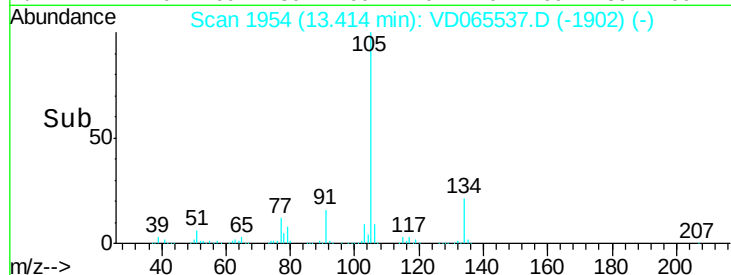
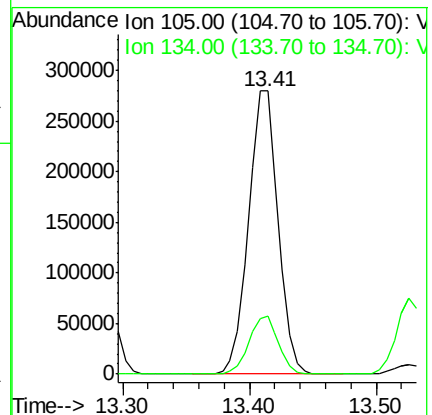
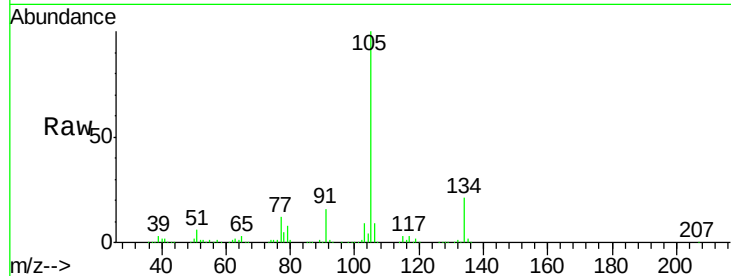
134 20.3 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 21.065 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

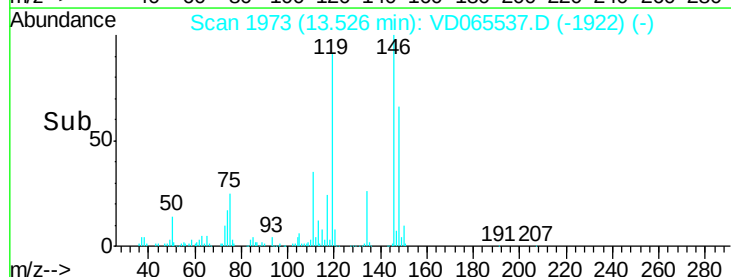
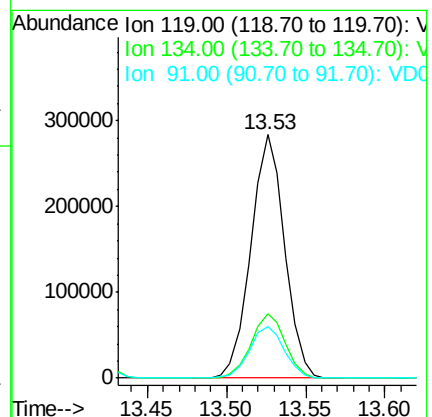
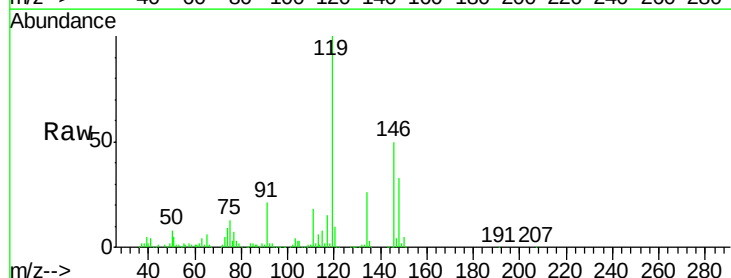
Tgt Ion:119 Resp: 418883

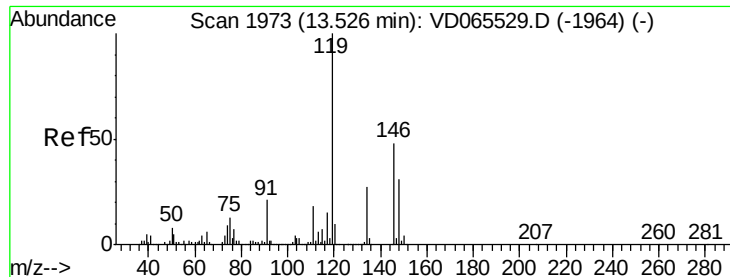
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 21.6 10.8 32.3





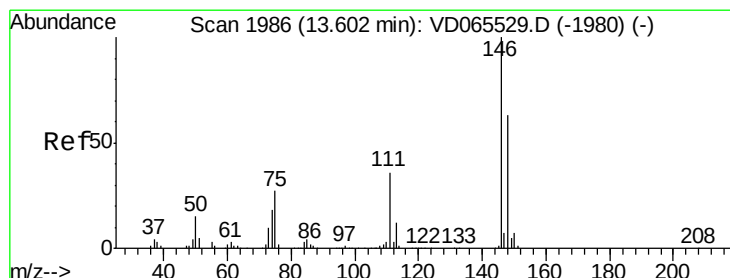
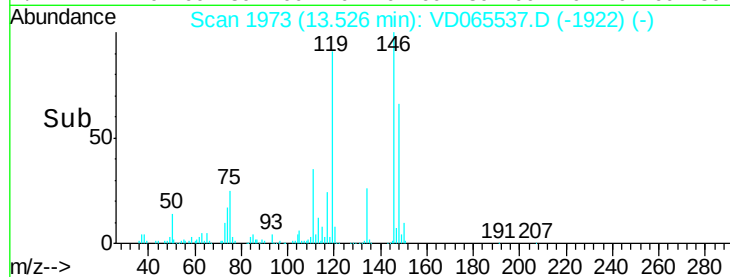
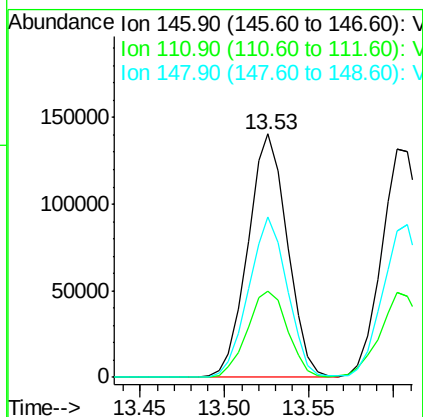
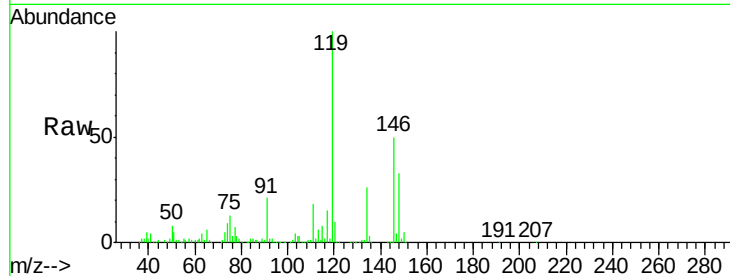
#87
 1,3-Dichlorobenzene
 Concen: 20.919 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.5	55.5
148	64.8	31.8	95.4

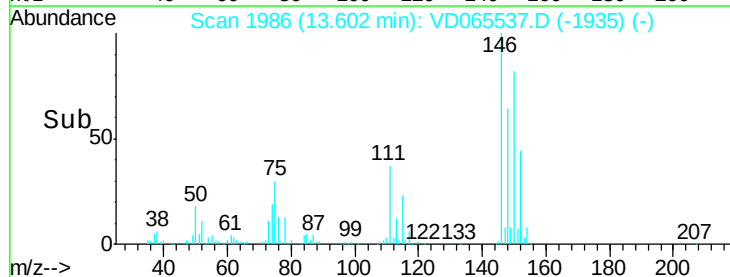
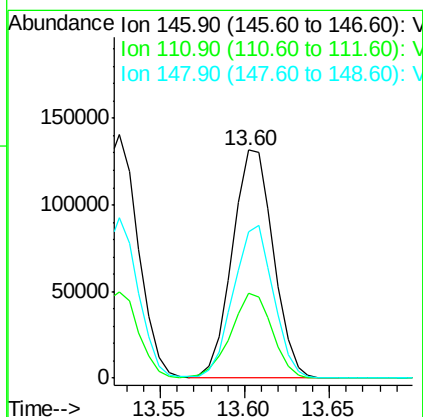
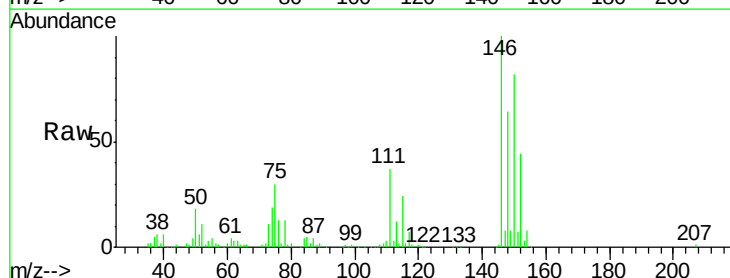
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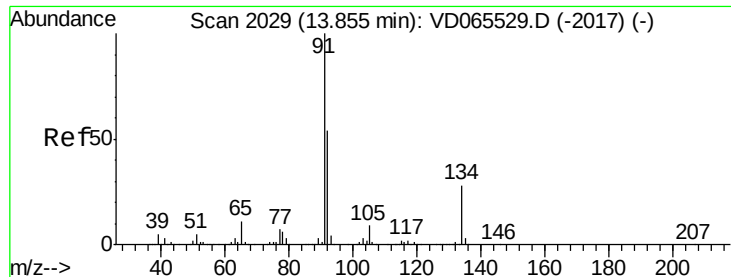
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#88
 1,4-Dichlorobenzene
 Concen: 20.491 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.0	54.0
148	65.3	31.6	94.8





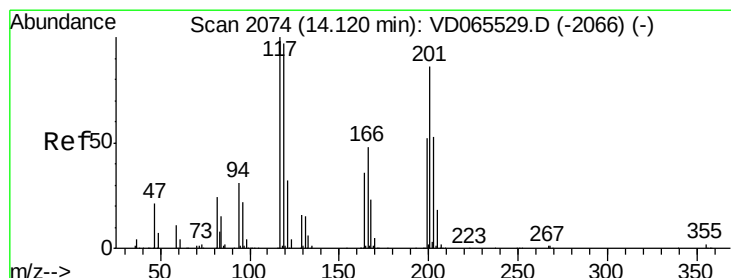
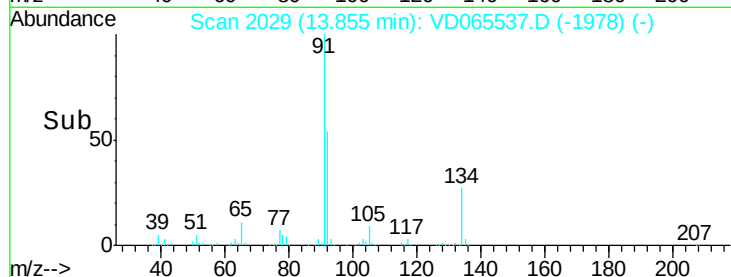
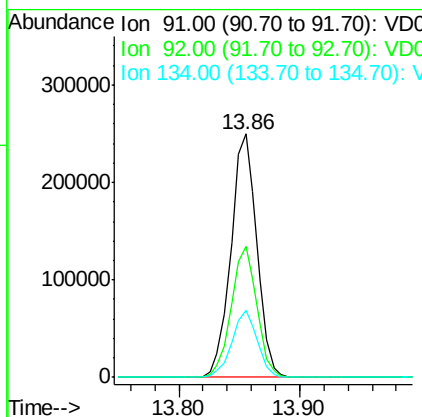
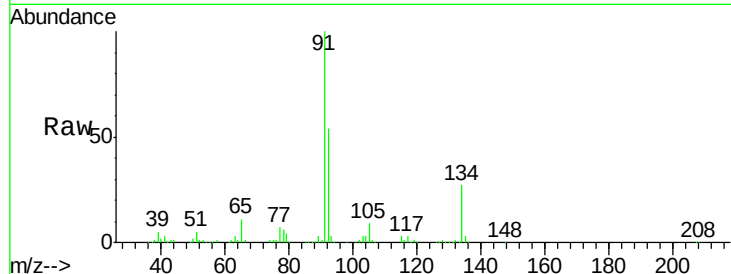
#89
n-Butylbenzene
Concen: 20.610 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.4
134	26.8	13.7	41.0

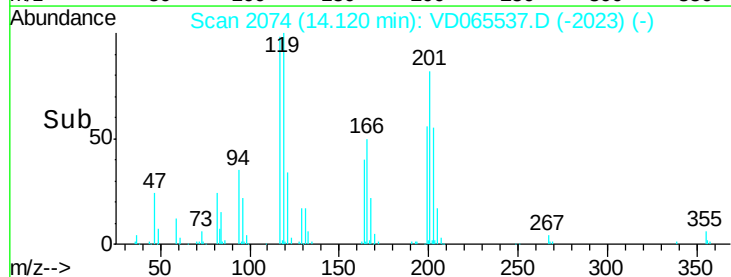
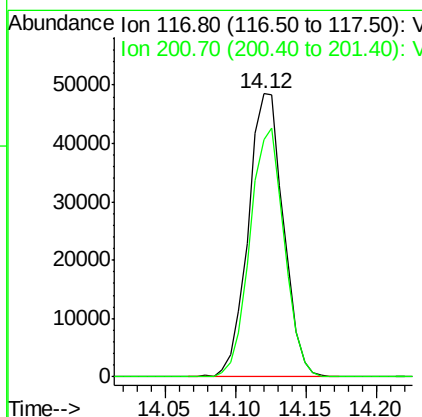
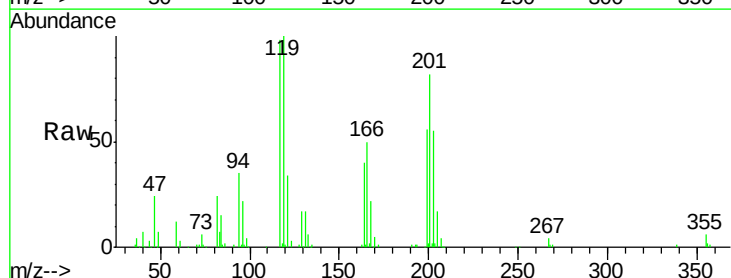
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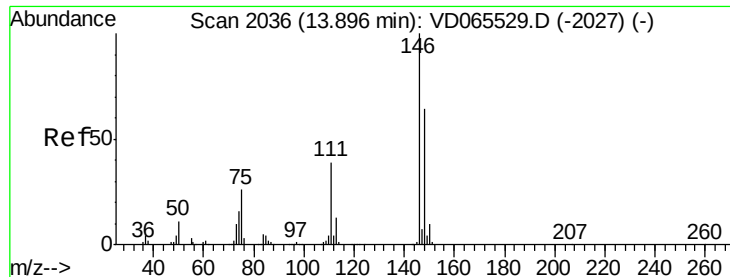
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#90
Hexachloroethane
Concen: 20.452 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	43.9	131.6





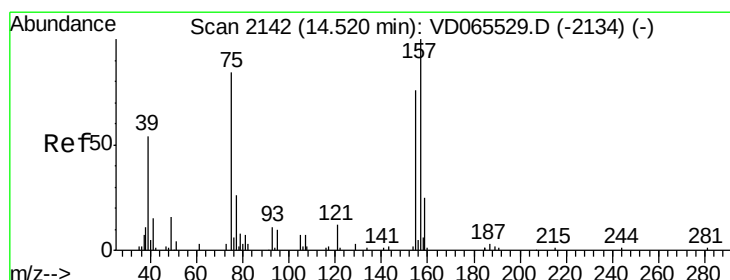
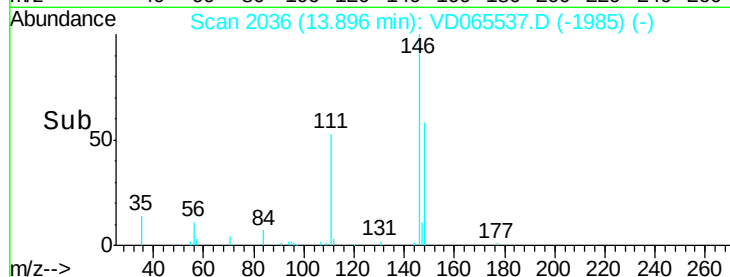
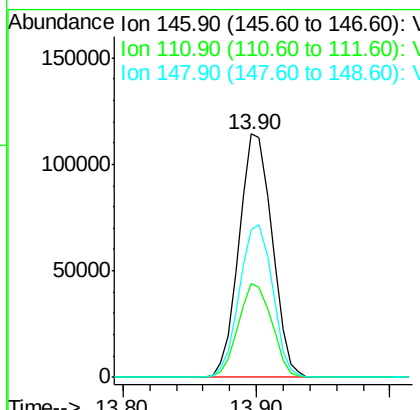
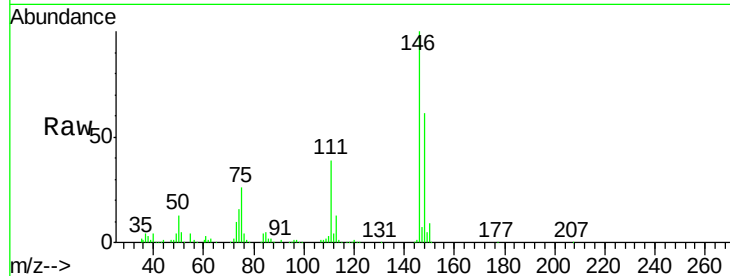
#91
 1,2-Dichlorobenzene
 Concen: 21.228 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.4
148	63.0	32.1	96.5

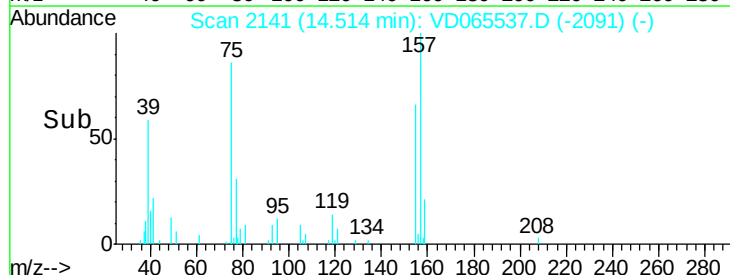
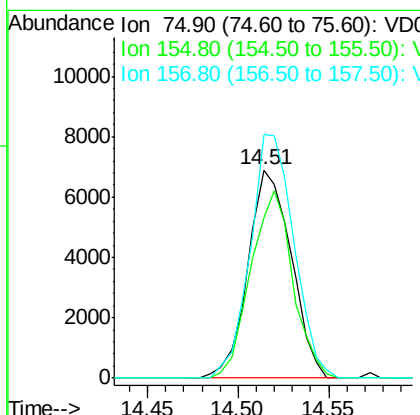
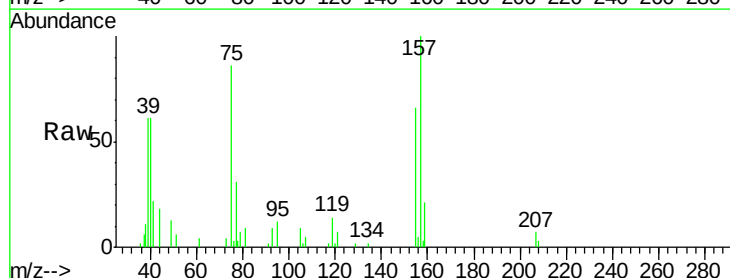
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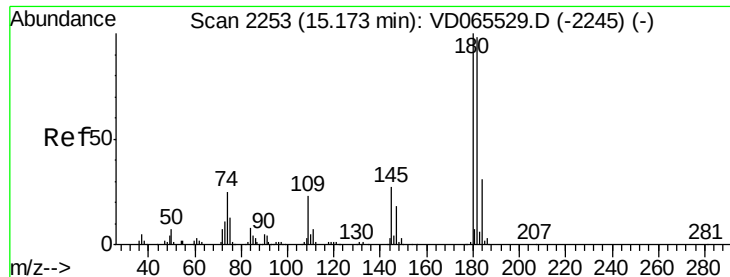
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.125 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	46.2	138.6
157	118.3	57.9	173.7





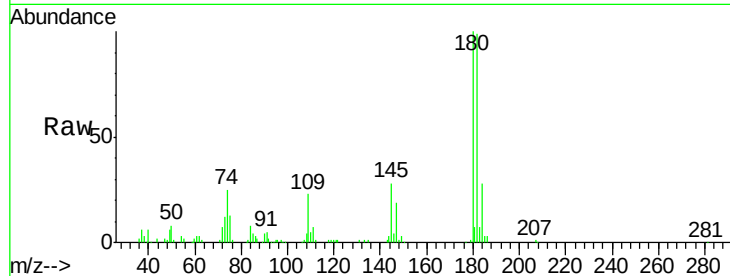
#93
1,2,4-Trichlorobenzene
Concen: 20.200 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD01

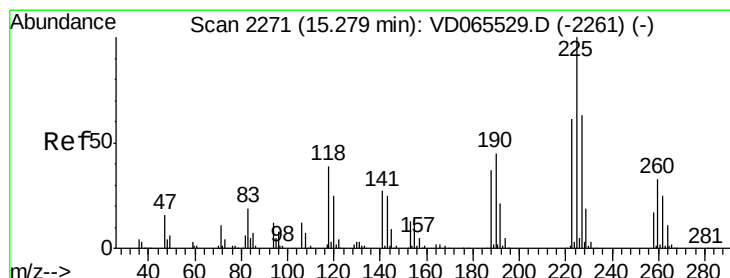
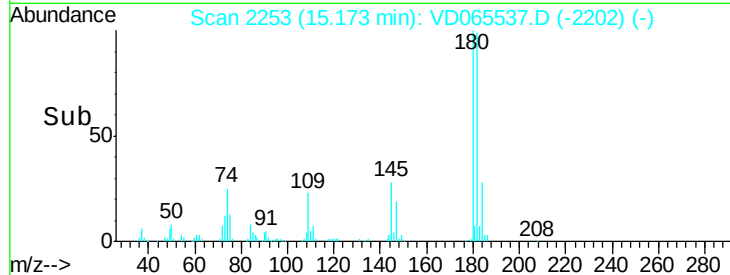
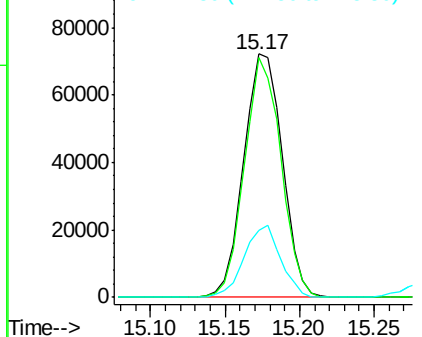
Tot Ion	Ratio	Resp	Lower	Upper
180	100	129580		
182	93.0	48.1	144.3	
145	27.8	13.9	41.6	

Manual Integrations
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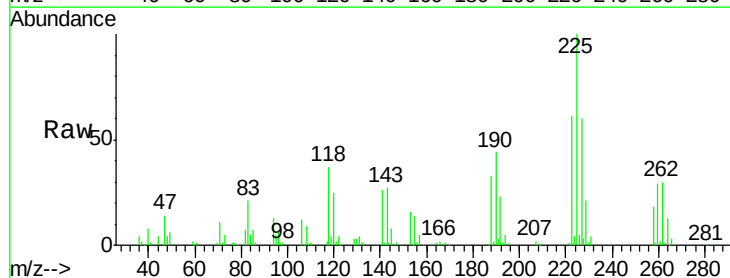


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

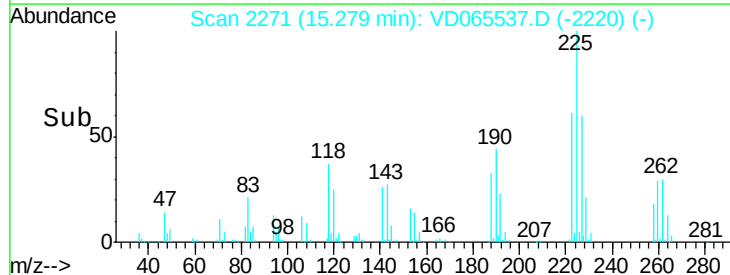
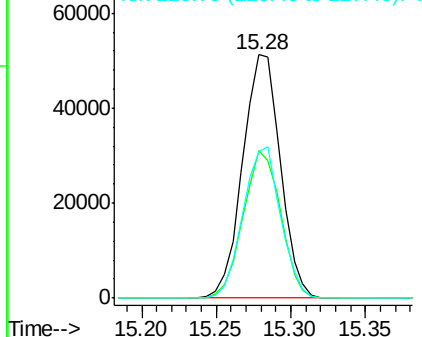


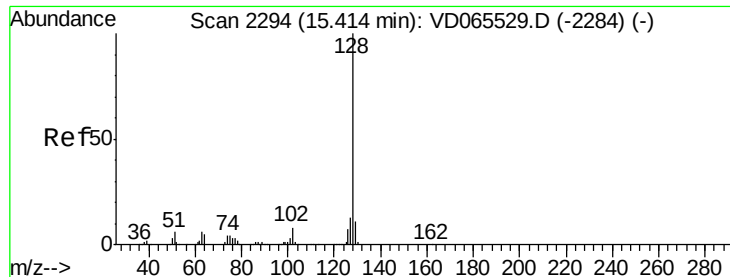
#94
Hexachlorobutadiene
Concen: 21.468 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89743		
223	60.1	31.2	93.6	
227	61.5	32.3	96.9	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





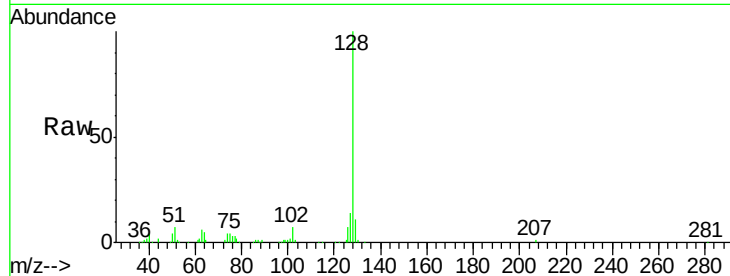
#95
Naphthalene
Concen: 19.037 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD01

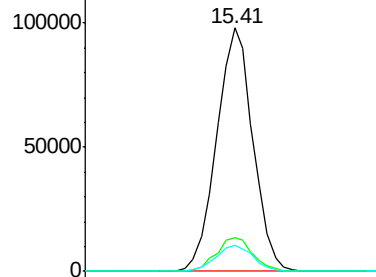
Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

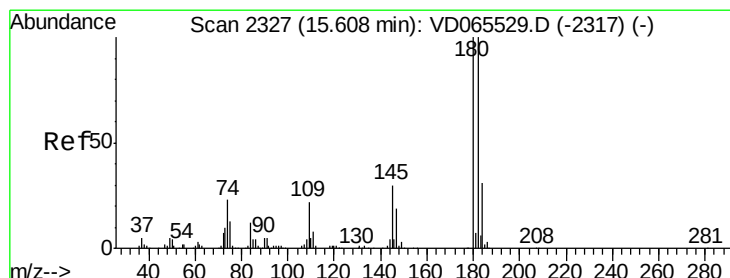
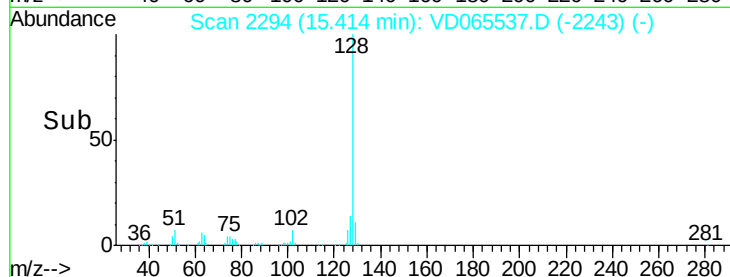
apatel
3/30/2020 2:55:25 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

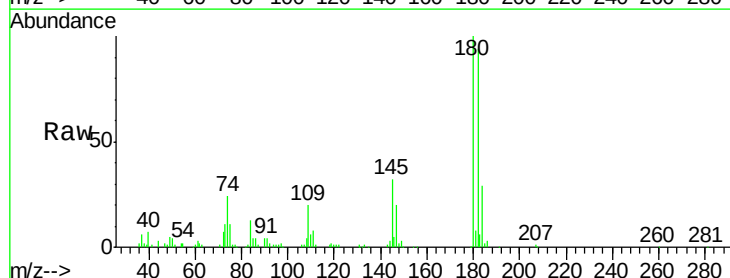


Time-->

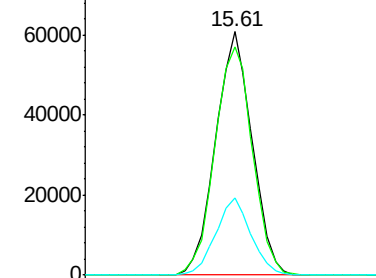


#96
1,2,3-Trichlorobenzene
Concen: 19.974 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.1	144.3
145	30.5	15.0	45.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

