

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032420\
 Data File : VD065518.D
 Acq On : 24 Mar 2020 13:45
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 3/25/2020 10:39:59 AM

Quant Time: Mar 25 02:21:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	486098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	671735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	601818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	187266	44.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.82%	
35) Dibromofluoromethane	7.92	113	204418	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.34	98	796646	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.64	95	258684	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	177511	42.490	ug/l	99
3) Chloromethane	2.21	50	218140	43.249	ug/l	100
4) Vinyl Chloride	2.36	62	238561	47.953	ug/l	98
5) Bromomethane	2.77	94	149167	53.883	ug/l	96
6) Chloroethane	2.93	64	148097	48.606	ug/l	98
7) Trichlorofluoromethane	3.27	101	357800	48.810	ug/l	99
8) Diethyl Ether	3.71	74	103001	47.249	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	240515	50.944	ug/l	100
10) Methyl Iodide	4.30	142	276672	56.408	ug/l	96
11) Tert butyl alcohol	5.24	59	49842	208.391	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	223155	49.362	ug/l	97
13) Acrolein	3.93	56	96295	233.450	ug/l	97
14) Allyl chloride	4.71	41	338758	48.779	ug/l	99
15) Acrylonitrile	5.43	53	226774	239.120	ug/l	100
16) Acetone	4.17	43	246797	292.659	ug/l	98
17) Carbon Disulfide	4.40	76	669656	44.481	ug/l	100
18) Methyl Acetate	4.72	43	101509	47.453	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	444531	51.132	ug/l	99
20) Methylene Chloride	4.97	84	242166	53.094	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	252024	50.114	ug/l	97
22) Diisopropyl ether	6.37	45	666070	51.594	ug/l	98
23) Vinyl Acetate	6.31	43	1837513	256.344	ug/l	100
24) 1,1-Dichloroethane	6.27	63	416927	50.350	ug/l	100
25) 2-Butanone	7.22	43	289750	251.782	ug/l	99
26) 2,2-Dichloropropane	7.21	77	380819	52.627	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	268816	52.295	ug/l	97
28) Bromochloromethane	7.55	49	165817	50.051	ug/l	99
29) Tetrahydrofuran	7.57	42	175126	238.295	ug/l	98
30) Chloroform	7.71	83	423533	51.173	ug/l	96
31) Cyclohexane	7.98	56	392975	47.461	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	398406	52.089	ug/l	100
36) 1,1-Dichloropropene	8.11	75	347866	54.025	ug/l	99
37) Ethyl Acetate	7.30	43	124249	49.924	ug/l	99
38) Carbon Tetrachloride	8.10	117	368322	55.162	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	427202	54.932	ug/l	98
40) Benzene	8.36	78	962814	53.480	ug/l	100
41) Methacrylonitrile	7.54	41	72277	54.914	ug/l	86
42) 1,2-Dichloroethane	8.43	62	246830	52.505	ug/l	100
43) Isopropyl Acetate	8.46	43	230018	50.054	ug/l	99
44) Trichloroethene	9.11	130	282119	55.489	ug/l	99
45) 1,2-Dichloropropane	9.39	63	234615	53.799	ug/l	94
46) Dibromomethane	9.48	93	120756	53.383	ug/l	97
47) Bromodichloromethane	9.67	83	318583	54.136	ug/l	98
48) Methyl methacrylate	9.46	41	122596	56.715	ug/l	92
49) 1,4-Dioxane	9.47	88	28291	1093.388	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	609091	263.392	ug/l	100
52) Toluene	10.41	92	629966	55.546	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	298704	54.315	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	365587	54.920	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	172825	53.943	ug/l	98
56) Ethyl methacrylate	10.67	69	197421	54.660	ug/l	98
57) 1,3-Dichloropropane	10.95	76	286805	52.908	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	260409	230.853	ug/l	99
59) 2-Hexanone	10.99	43	450426	281.376	ug/l	100
60) Dibromochloromethane	11.14	129	229772	55.949	ug/l	99
61) 1,2-Dibromoethane	11.25	107	165641	54.202	ug/l	97
64) Tetrachloroethene	10.88	164	246188	57.089	ug/l	97
65) Chlorobenzene	11.67	112	665236	55.858	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	245367	56.570	ug/l	98
67) Ethyl Benzene	11.75	91	1188756	57.769	ug/l	99
68) m/p-Xylenes	11.86	106	923743	116.420	ug/l	100
69) o-Xylene	12.18	106	411250	58.922	ug/l	98
70) Styrene	12.20	104	722673	58.832	ug/l	99
71) Bromoform	12.37	173	136175	55.894	ug/l	99
73) Isopropylbenzene	12.48	105	1145214	57.103	ug/l	100
74) N-amyl acetate	12.30	43	212128	51.665	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	178599	50.662	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	120029m	49.888	ug/l	
77) Bromobenzene	12.77	156	271836	54.555	ug/l	98
78) n-propylbenzene	12.83	91	1369837	57.566	ug/l	99
79) 2-Chlorotoluene	12.91	91	748522	55.814	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	940167	57.022	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	59646	52.316	ug/l	97
82) 4-Chlorotoluene	13.01	91	776604	55.107	ug/l	99
83) tert-Butylbenzene	13.23	119	807304	57.876	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	939024	57.778	ug/l	100
85) sec-Butylbenzene	13.41	105	1149263	57.721	ug/l	99
86) p-Isopropyltoluene	13.53	119	1061966	58.451	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	525805	54.887	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	513086	53.843	ug/l	100
89) n-Butylbenzene	13.86	91	969510	57.720	ug/l	99
90) Hexachloroethane	14.12	117	210352	56.220	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	450730	55.289	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26875	50.057	ug/l	98

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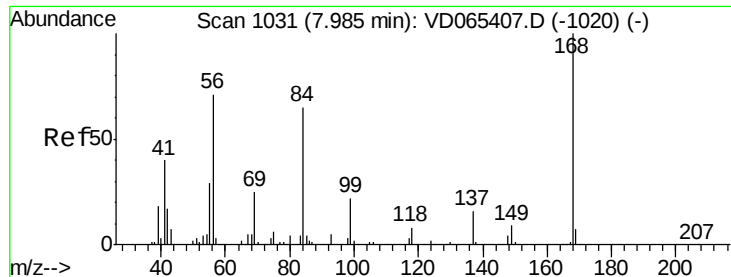
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	318367	57.619	ug/l	98
94) Hexachlorobutadiene	15.28	225	209968	57.834	ug/l	99
95) Naphthalene	15.41	128	499112	50.622	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	271523	56.868	ug/l	98

(#) = 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: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 486098

Ion Ratio Lower Upper

168 100

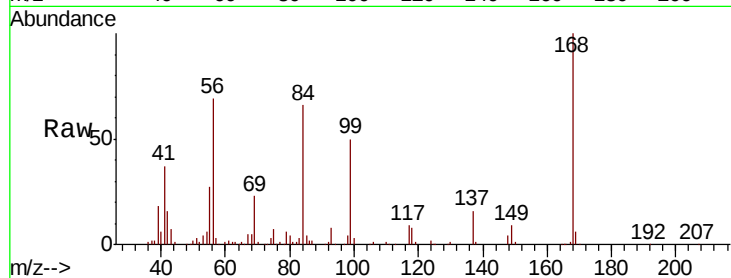
99 49.7 41.5 62.3

Manual Integrations

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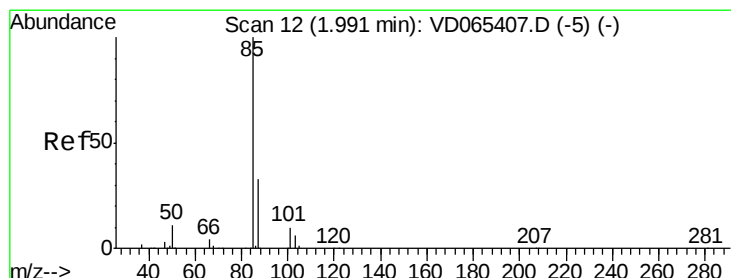
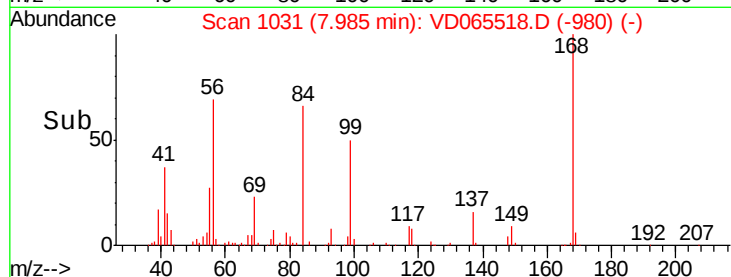
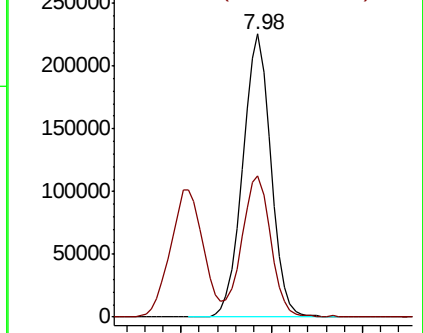
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 42.490 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065518.D

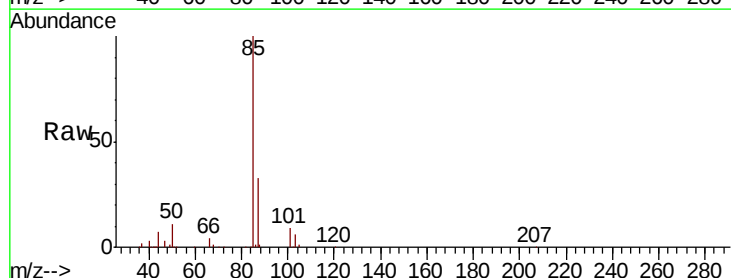
Acq: 24 Mar 2020 13:45

Tgt Ion: 85 Resp: 177511

Ion Ratio Lower Upper

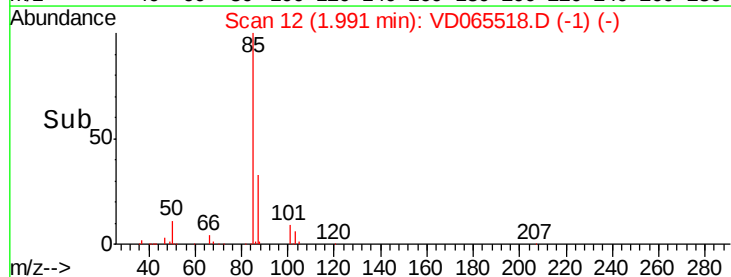
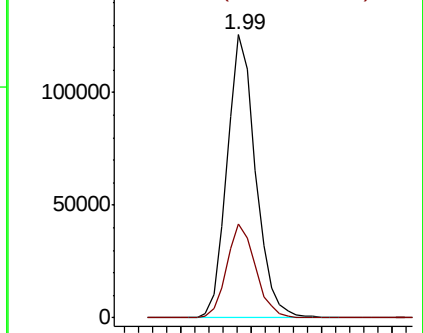
85 100

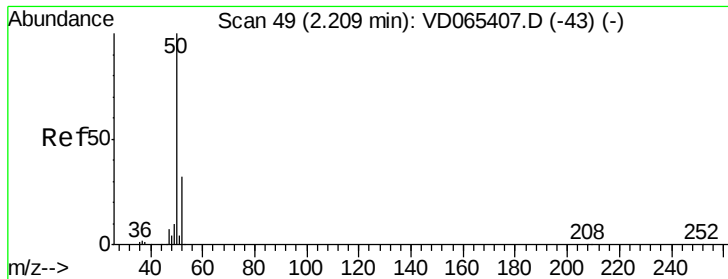
87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.249 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 218140

Ion Ratio Lower Upper

50 100

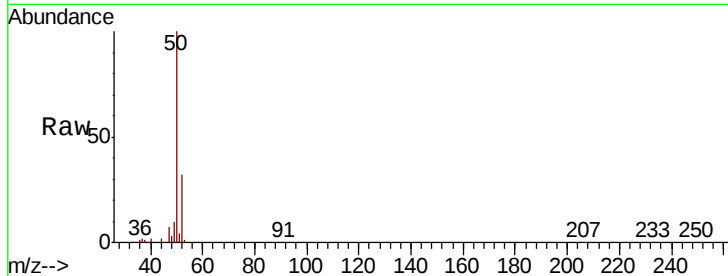
52 32.2 25.8 38.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

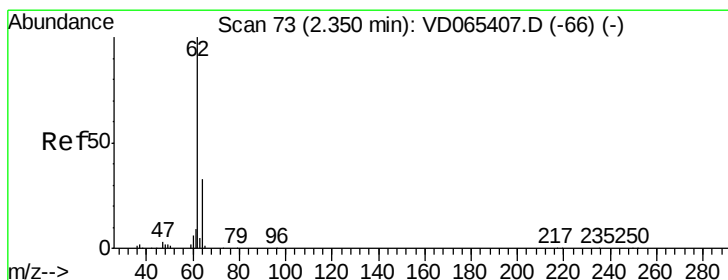
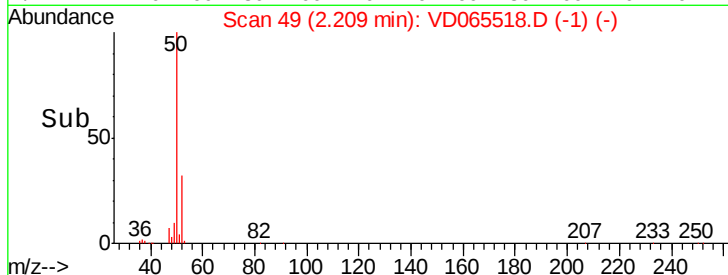
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.953 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065518.D

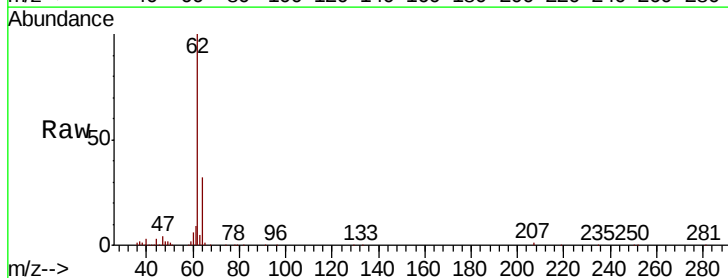
Acq: 24 Mar 2020 13:45

Tgt Ion: 62 Resp: 238561

Ion Ratio Lower Upper

62 100

64 32.0 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.36

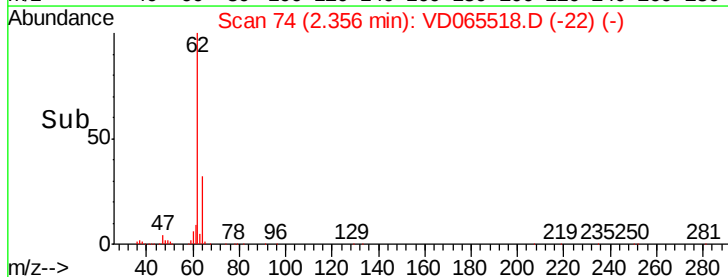
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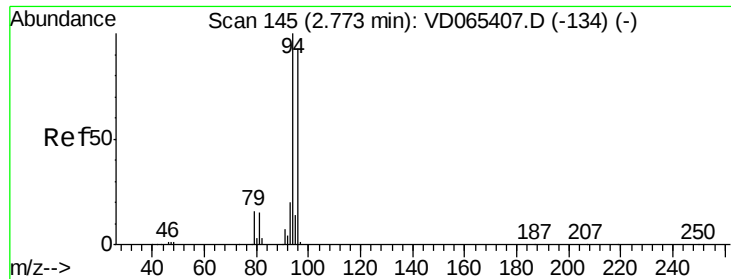
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50000

0

Time-->





#5

Bromomethane

Concen: 53.883 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 149167

Ion Ratio Lower Upper

94 100

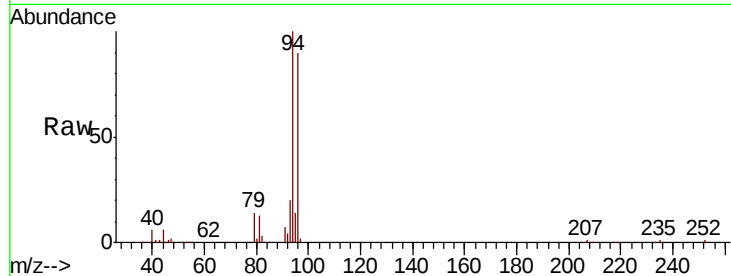
96 89.3 74.4 111.6

Manual Integrations

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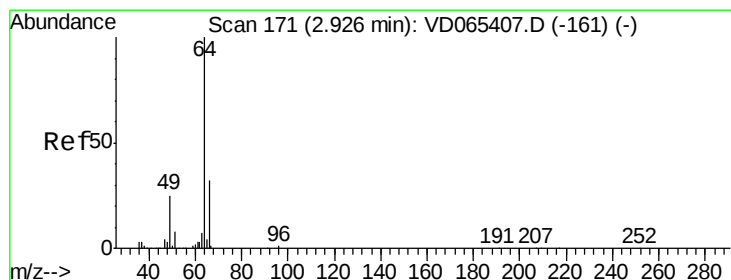
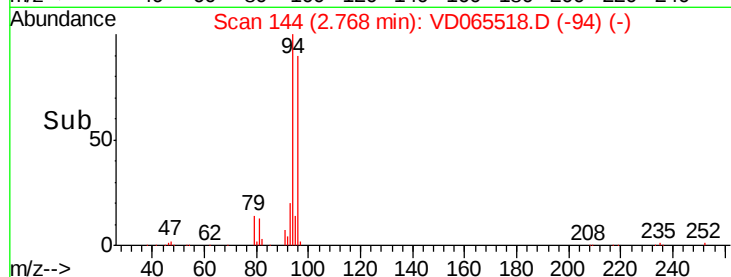
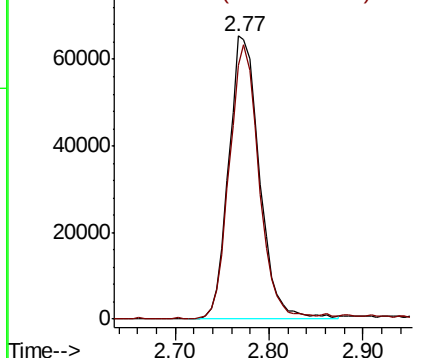
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.606 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065518.D

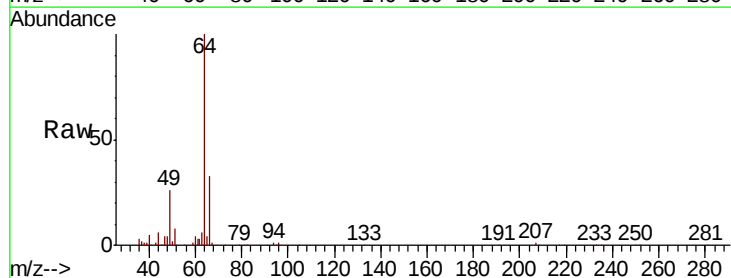
Acq: 24 Mar 2020 13:45

Tgt Ion: 64 Resp: 148097

Ion Ratio Lower Upper

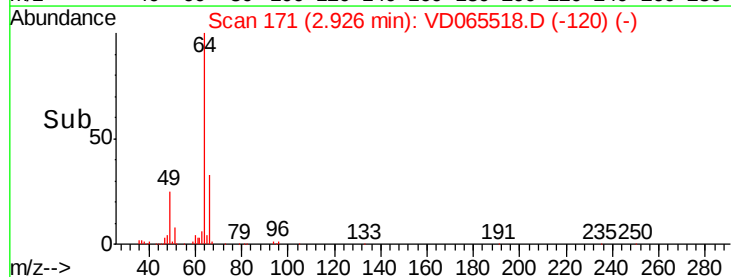
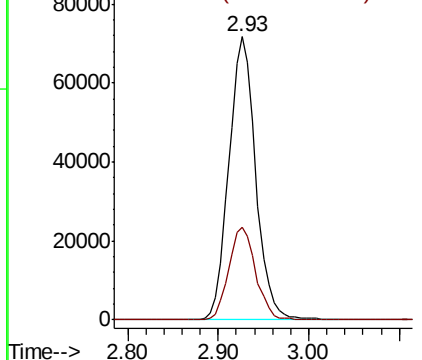
64 100

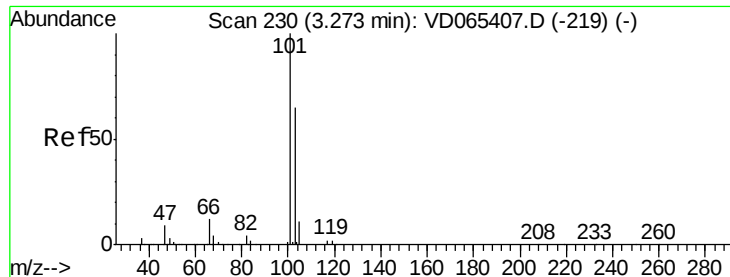
66 32.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

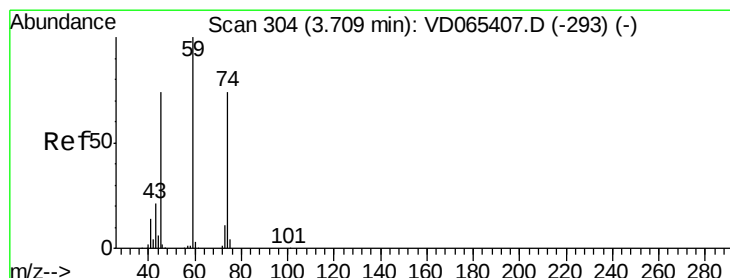
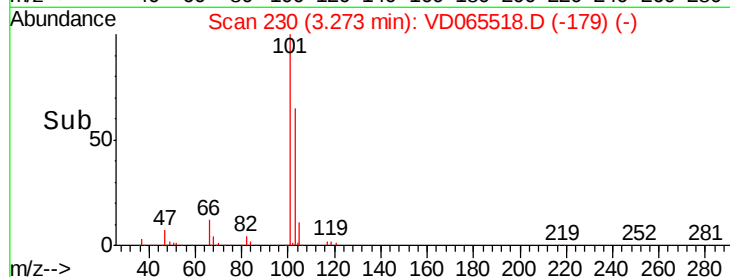
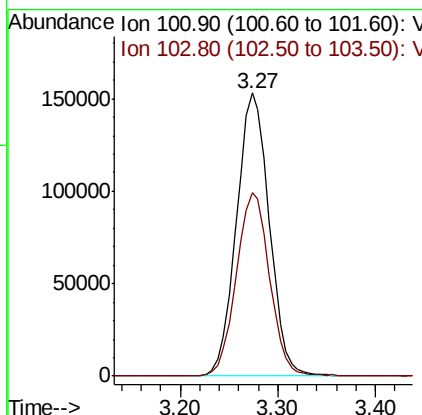
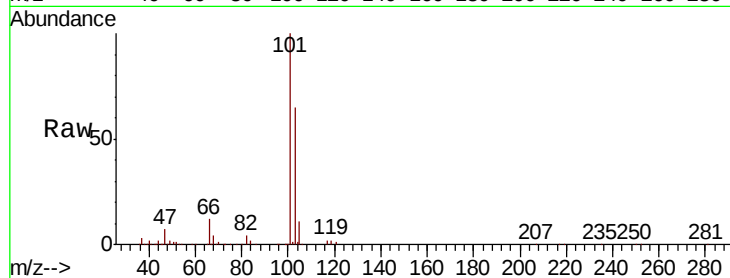
Trichlorofluoromethane
Concen: 48.810 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.1	78.1

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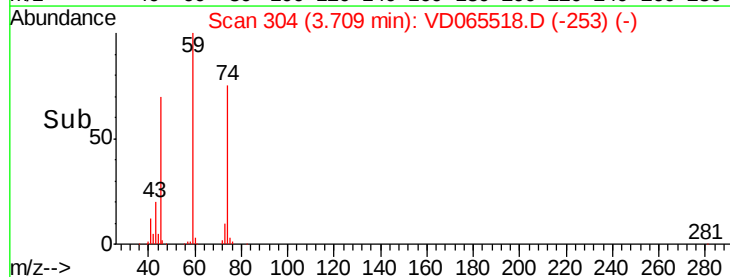
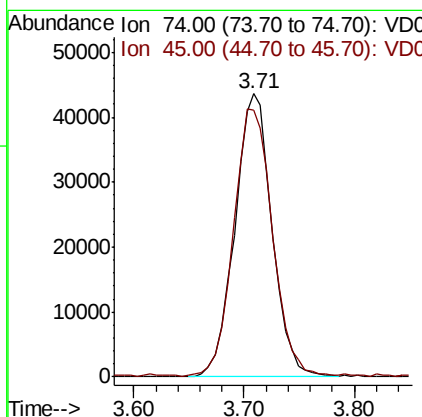
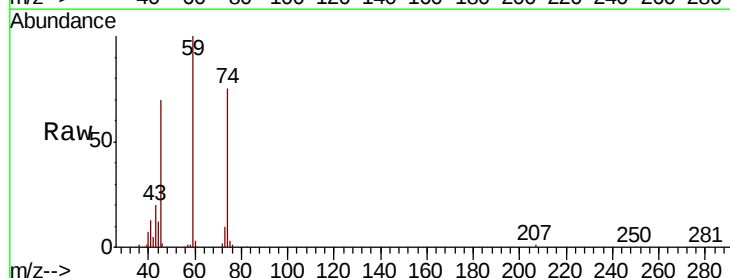
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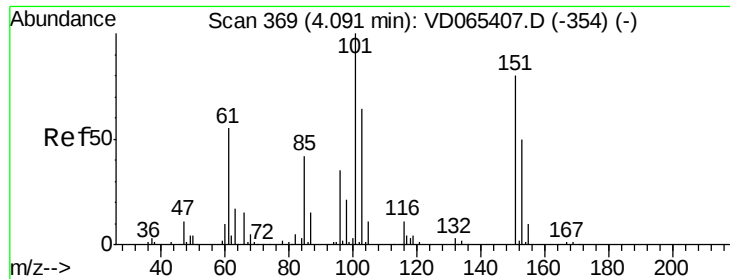


#8

Diethyl Ether
Concen: 47.249 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.944 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

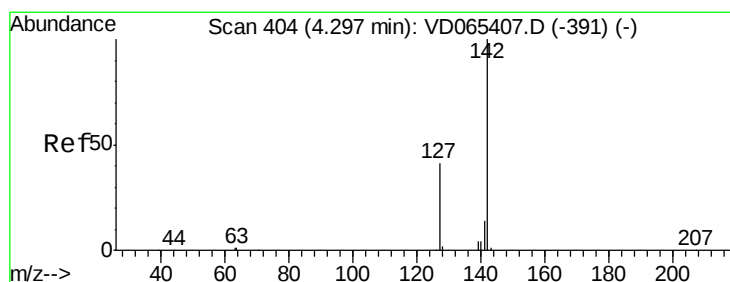
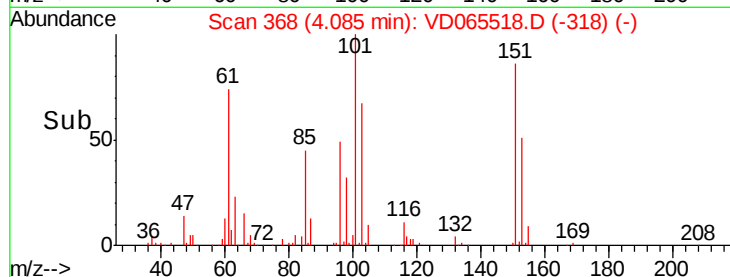
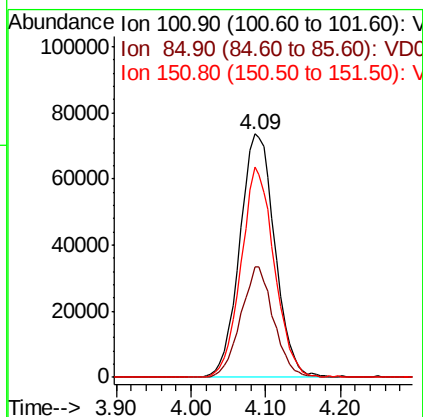
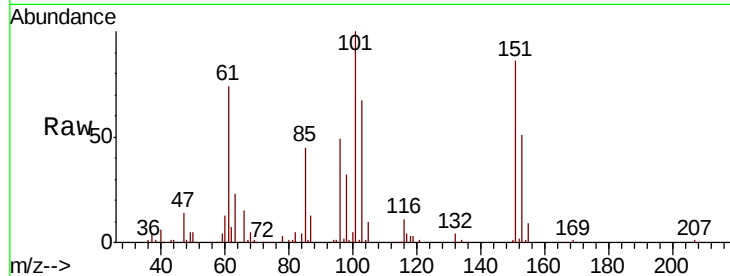
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	240515
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.2
151	81.6	65.1	97.7

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#10

Methyl Iodide

Concen: 56.408 ug/l

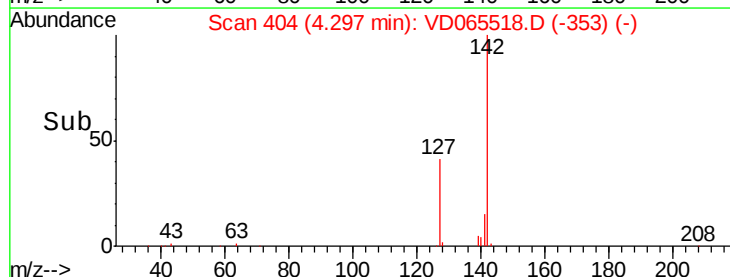
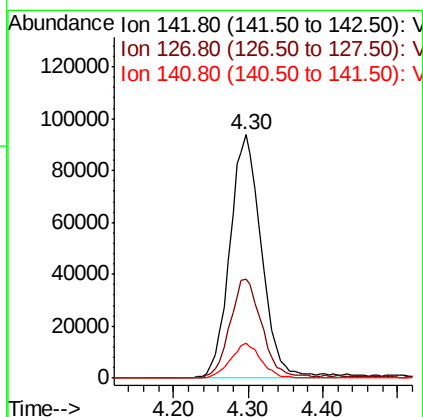
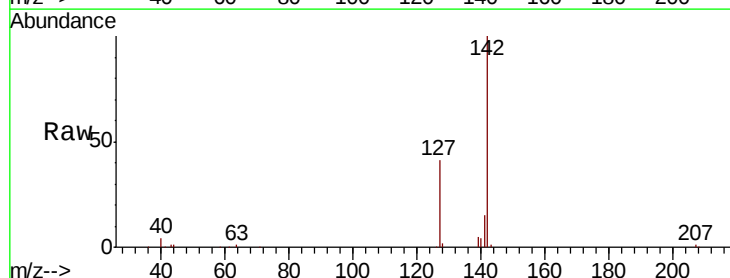
RT: 4.30 min Scan# 404

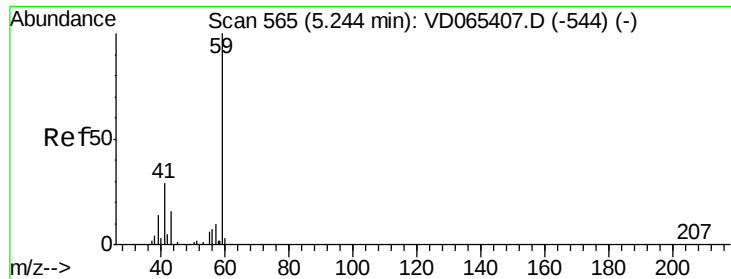
Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Tgt Ion:	142	Resp:	276672
Ion Ratio	Lower	Upper	
142	100		
127	40.9	35.0	52.6
141	13.7	12.4	18.6





#11

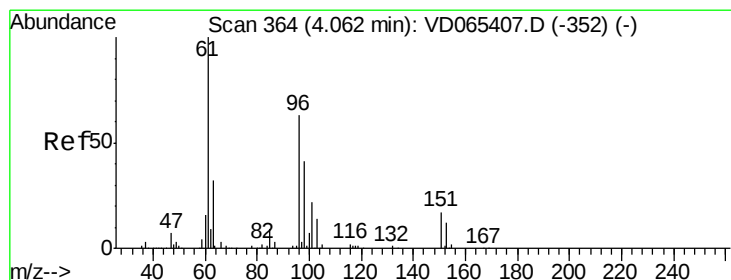
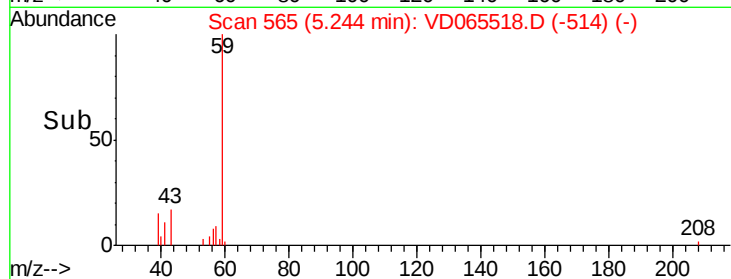
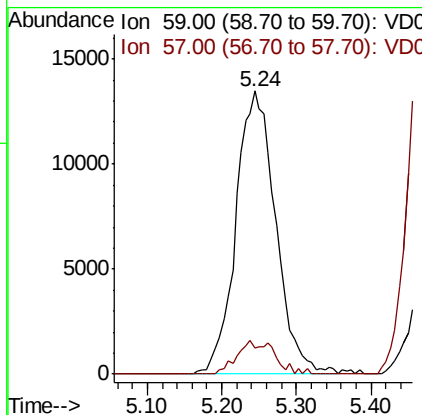
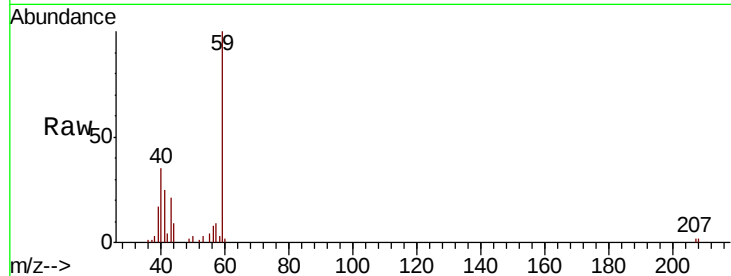
Tert butyl alcohol
Concen: 208.391 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.5	6.9	10.3#

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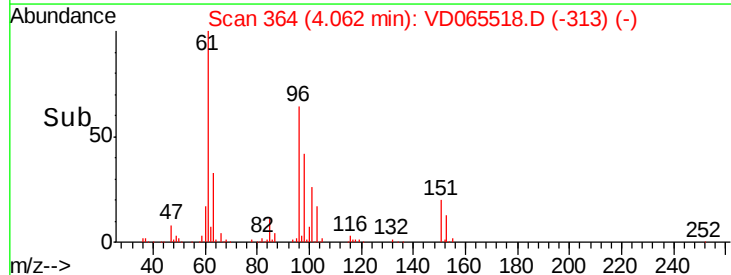
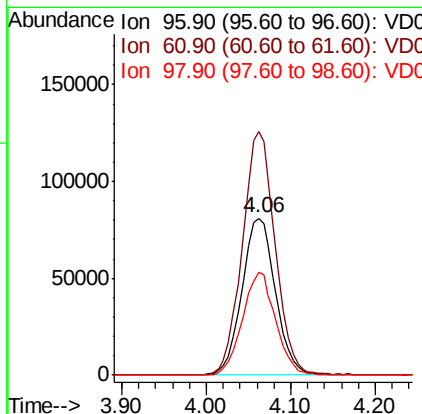
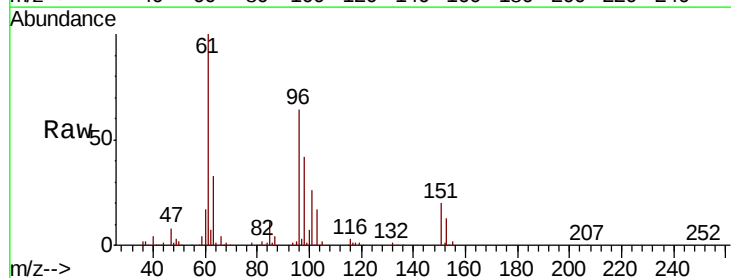
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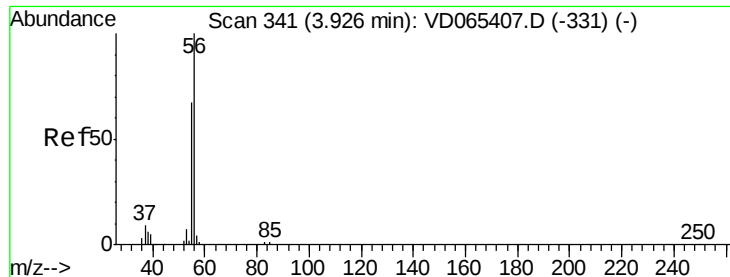


#12

1,1-Dichloroethene
Concen: 49.362 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	128.0	192.0
98	65.8	51.9	77.9





#13

Acrolein

Concen: 233.450 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 96295

Ion Ratio Lower Upper

56 100

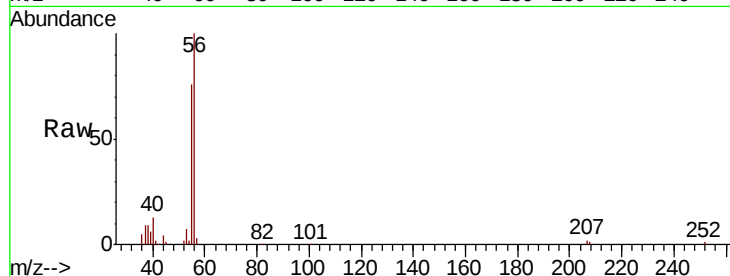
55 73.1 56.6 85.0

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

40000

30000

20000

10000

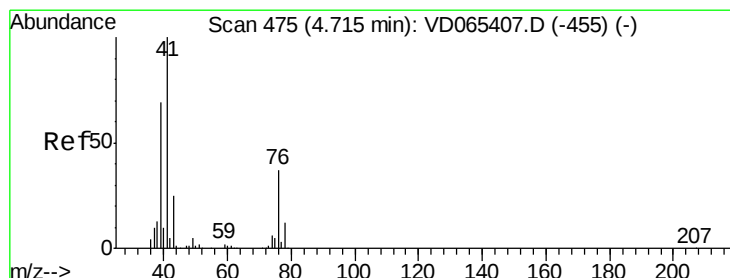
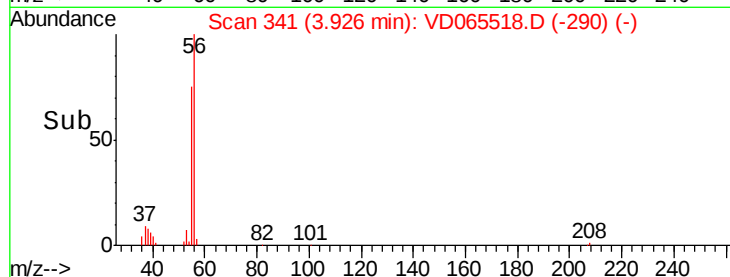
0

Time-->

3.80

3.90

4.00



#14

Allyl chloride

Concen: 48.779 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

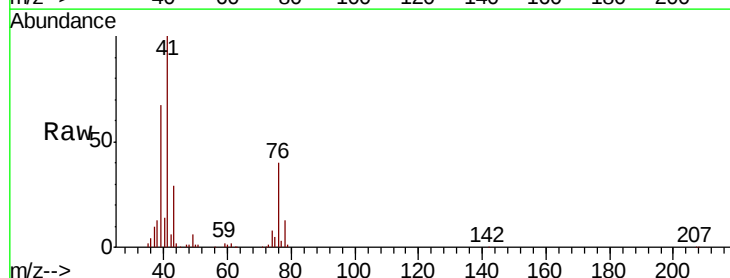
Tgt Ion: 41 Resp: 338758

Ion Ratio Lower Upper

41 100

39 66.3 52.6 79.0

76 37.5 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

150000

100000

50000

0

Time-->

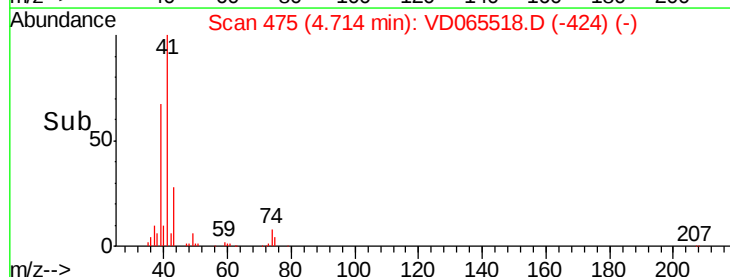
4.50

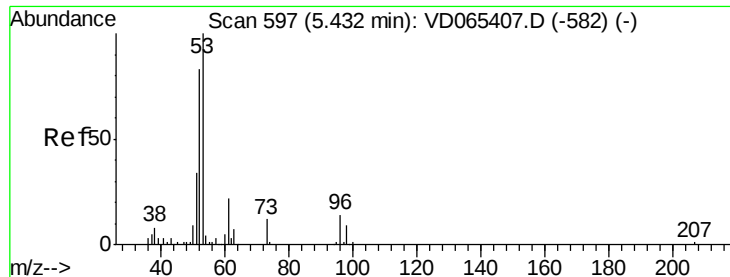
4.60

4.70

4.80

4.90





#15

Acrylonitrile

Concen: 239.120 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

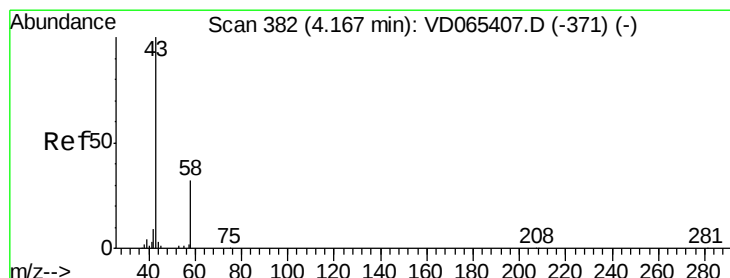
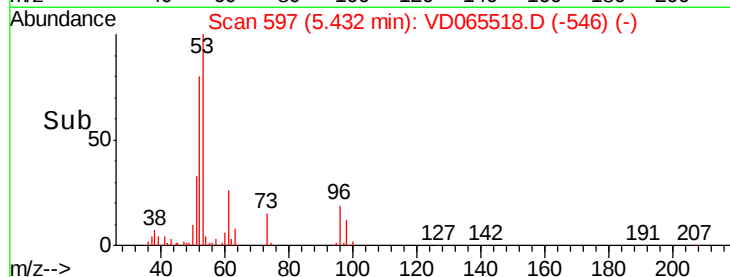
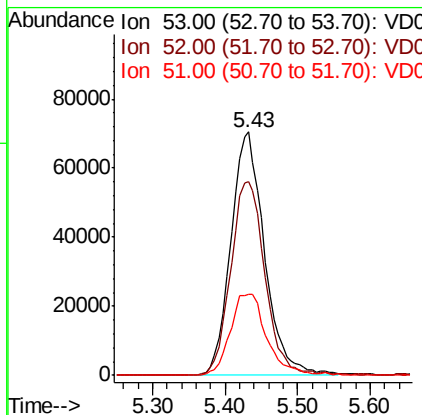
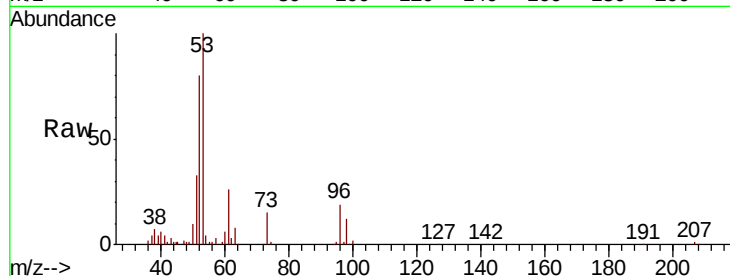
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	226774
Ion Ratio	Lower	Upper	
53	100		
52	81.5	65.1	97.7
51	36.1	28.5	42.7

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#16

Acetone

Concen: 292.659 ug/l

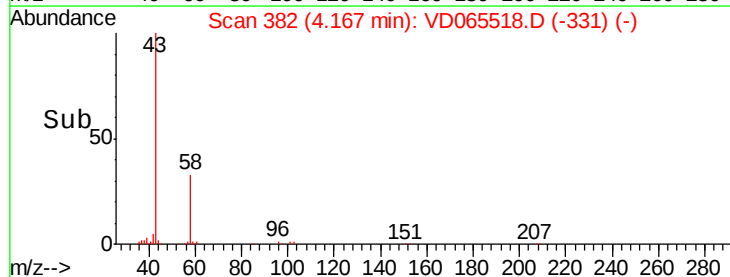
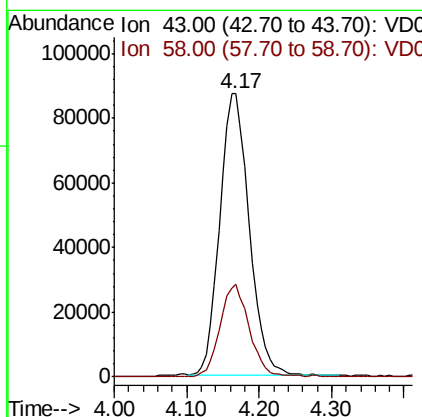
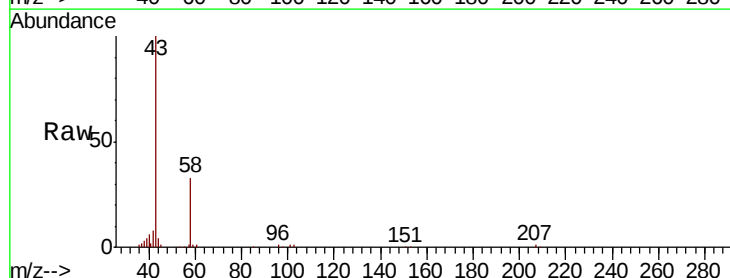
RT: 4.17 min Scan# 382

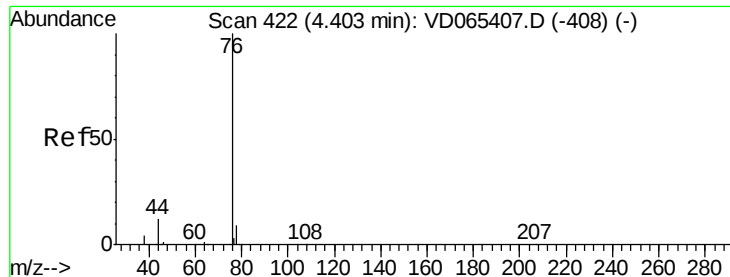
Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Tgt Ion:	43	Resp:	246797
Ion Ratio	Lower	Upper	
43	100		
58	32.8	25.1	37.7





#17

Carbon Disulfide

Concen: 44.481 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 669656

Ion Ratio Lower Upper

76 100

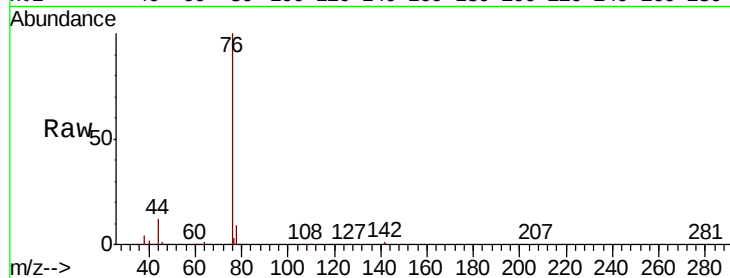
78 9.2 7.4 11.0

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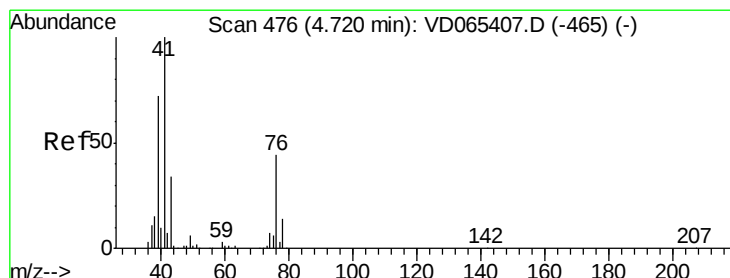
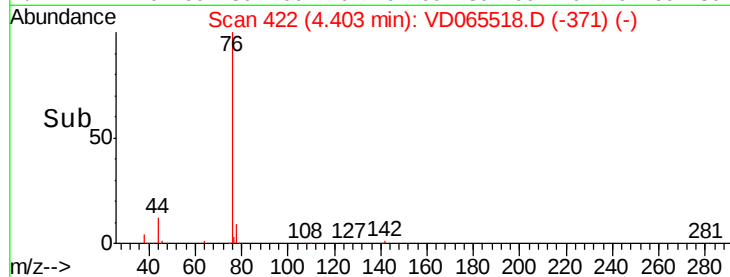
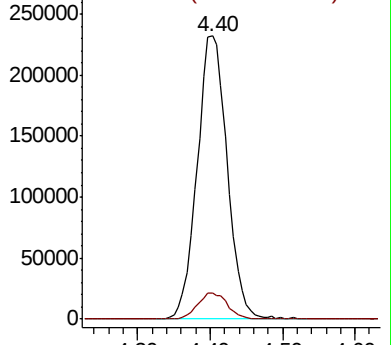
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 47.453 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065518.D

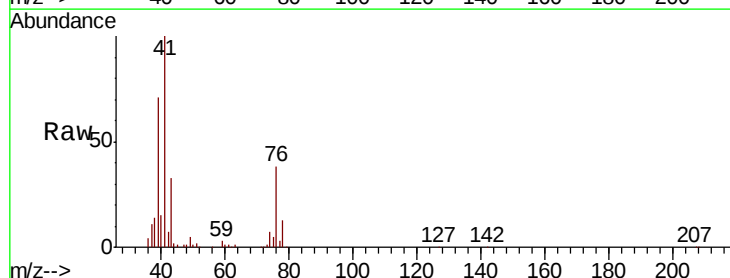
Acq: 24 Mar 2020 13:45

Tgt Ion: 43 Resp: 101509

Ion Ratio Lower Upper

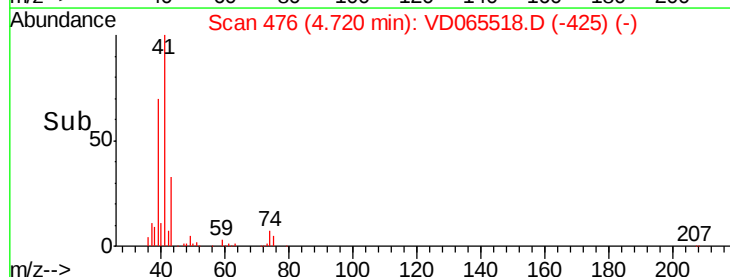
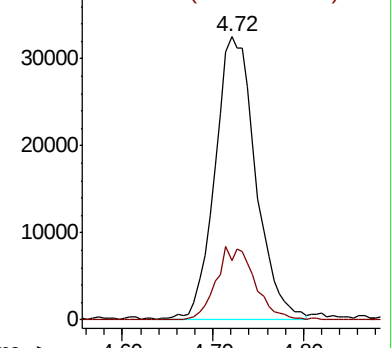
43 100

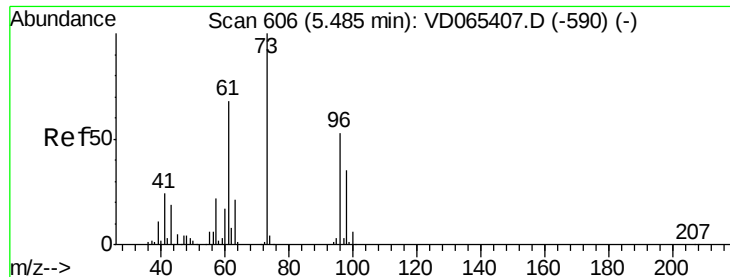
74 24.2 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





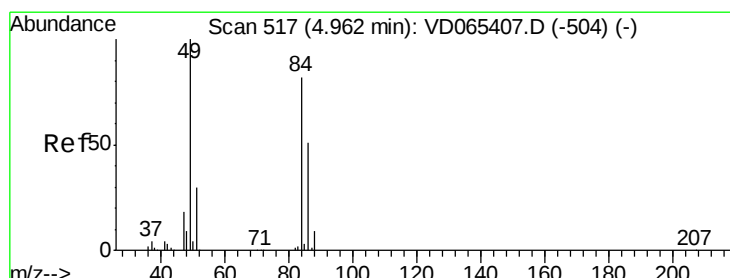
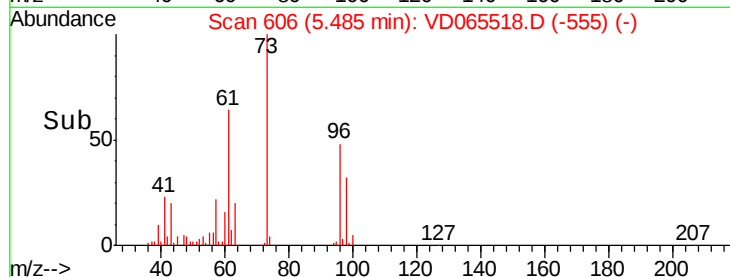
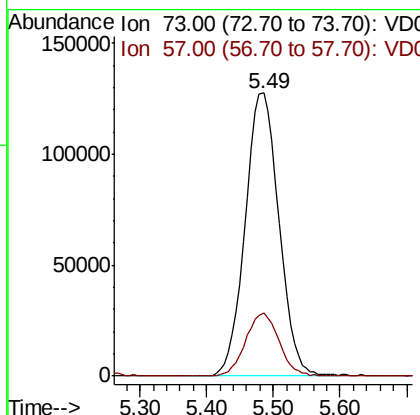
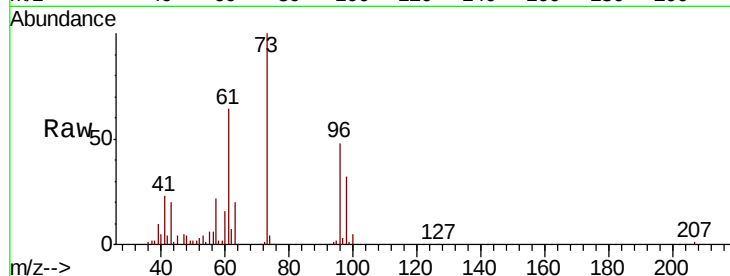
#19
Methyl tert-butyl Ether
Concen: 51.132 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.3	25.9

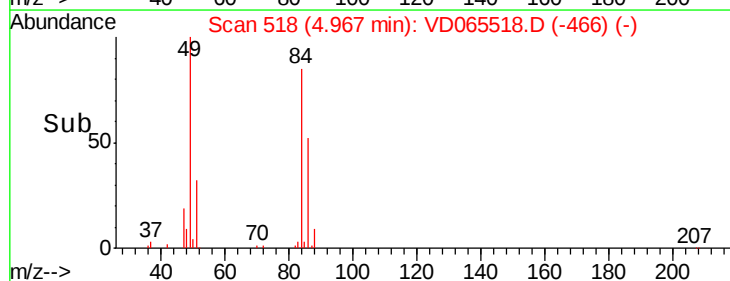
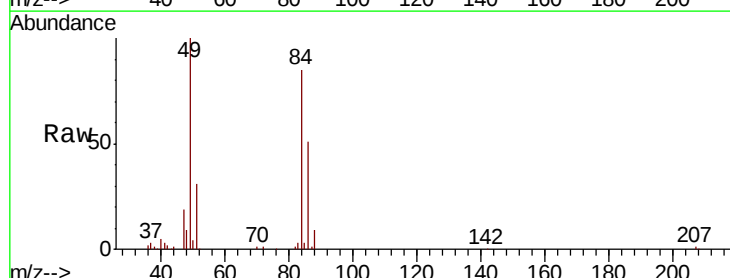
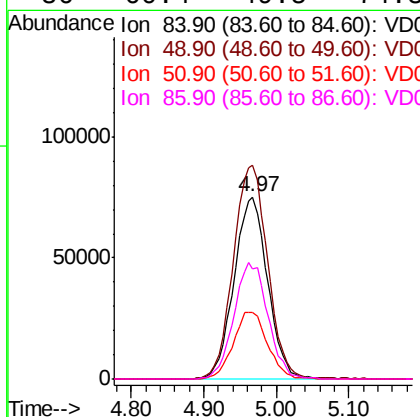
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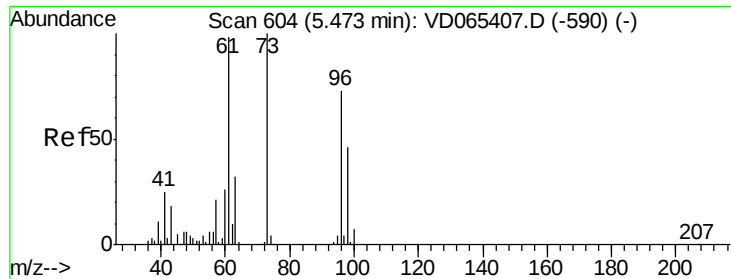
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#20
Methylene Chloride
Concen: 53.094 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.5	97.7	146.5
51	37.0	28.8	43.2
86	60.4	49.5	74.3





#21

trans-1,2-Dichloroethene

Concen: 50.114 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

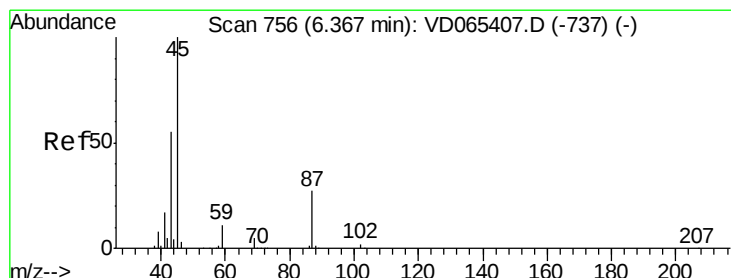
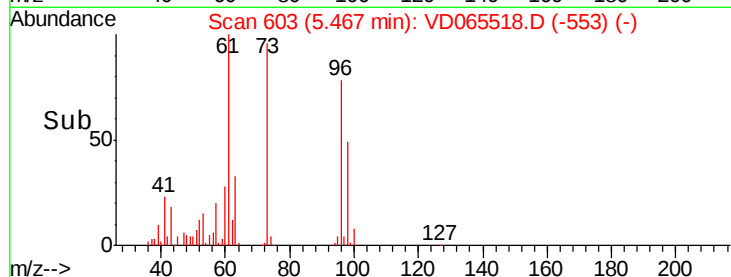
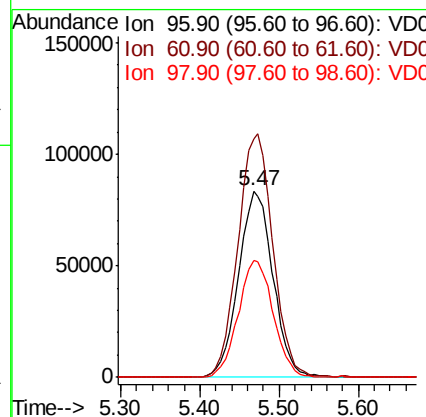
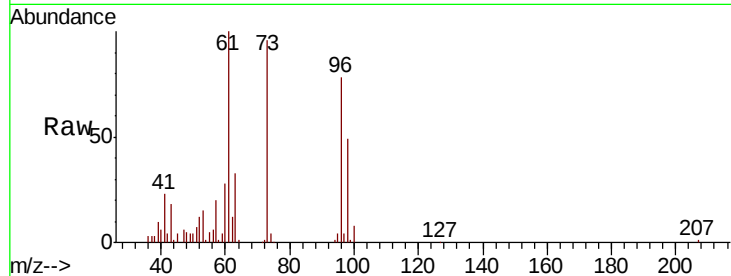
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	252024
Ion	Ratio	Lower	Upper
96	100		
61	127.8	106.3	159.5
98	62.9	50.2	75.4

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#22

Diisopropyl ether

Concen: 51.594 ug/l

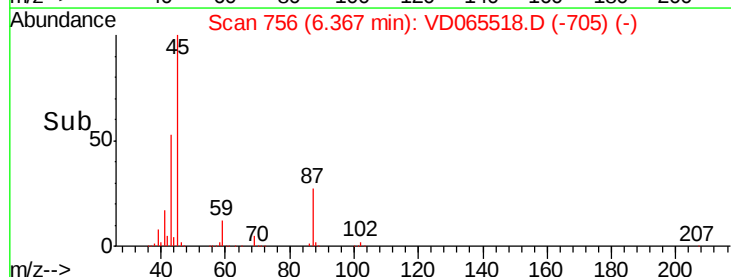
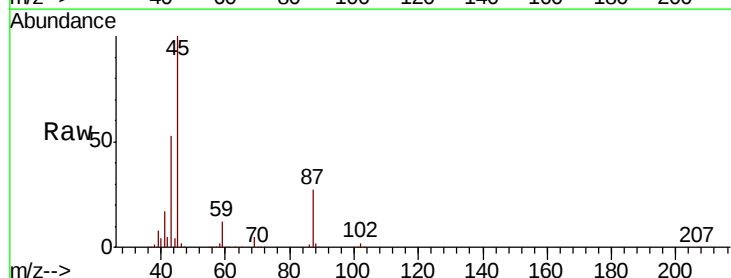
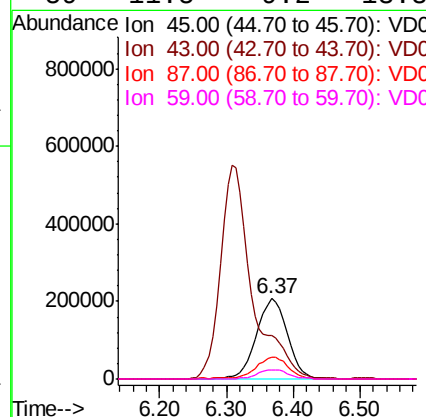
RT: 6.37 min Scan# 756

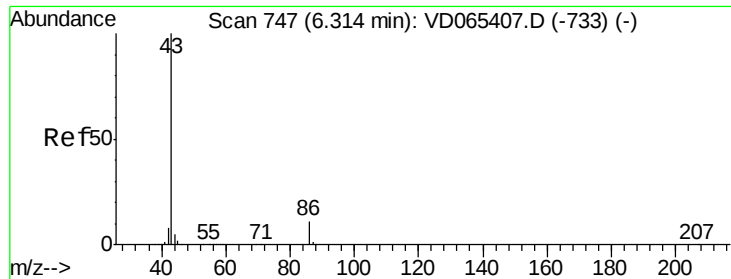
Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Tgt Ion:	45	Resp:	666070
Ion	Ratio	Lower	Upper
45	100		
43	52.5	44.4	66.6
87	27.3	21.9	32.9
59	11.5	9.2	13.8





#23

Vinyl Acetate

Concen: 256.344 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1837513

Ion Ratio Lower Upper

43 100

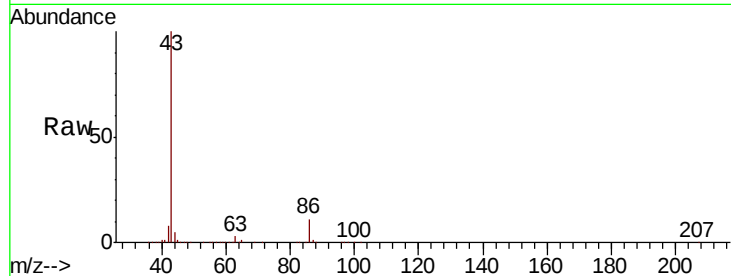
86 11.3 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

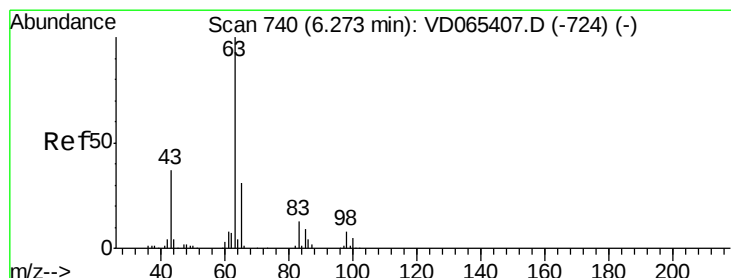
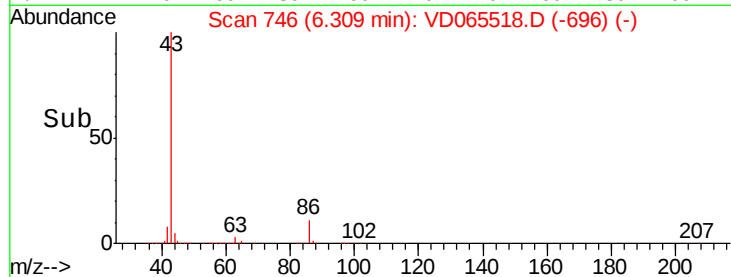
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 50.350 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

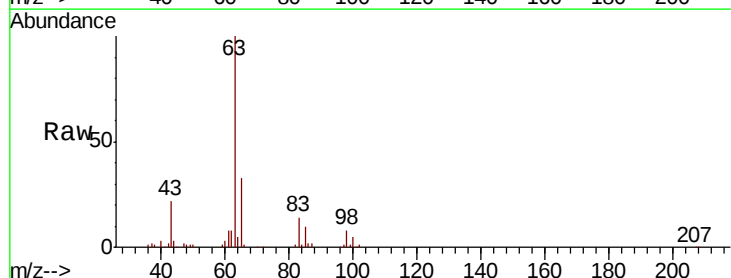
Tgt Ion: 63 Resp: 416927

Ion Ratio Lower Upper

63 100

98 8.3 4.2 12.6

100 4.8 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

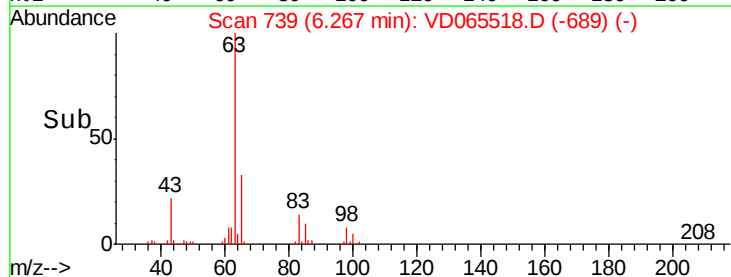
150000

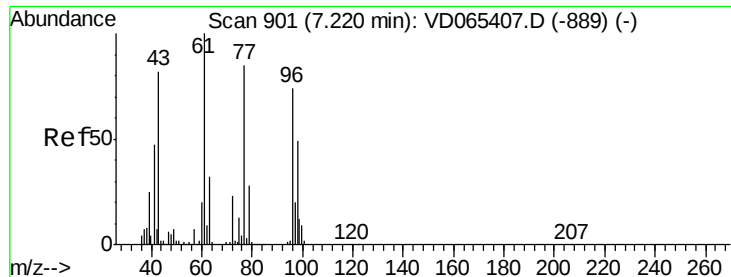
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 251.782 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 289750

Ion Ratio Lower Upper

43 100

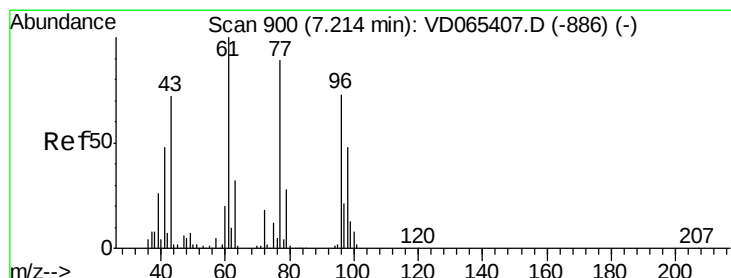
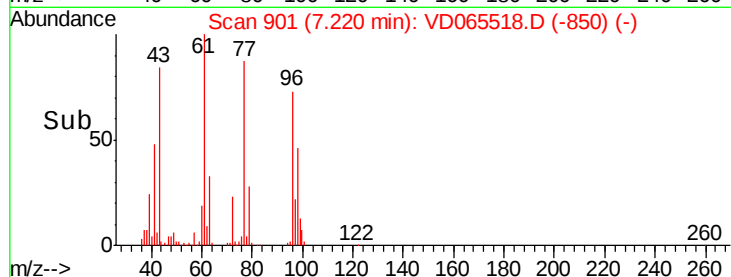
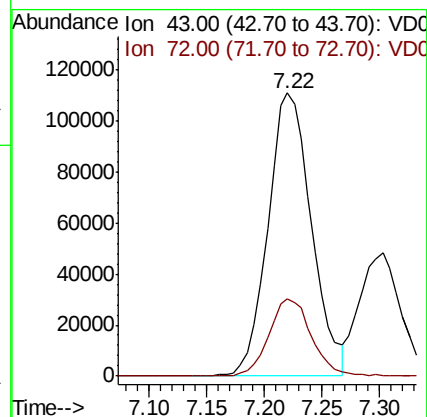
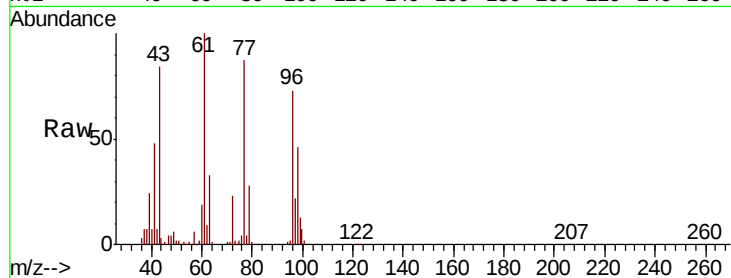
72 27.2 22.3 33.5

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#26

2,2-Dichloropropane

Concen: 52.627 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065518.D

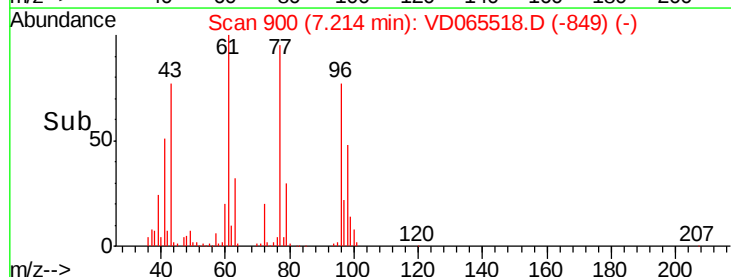
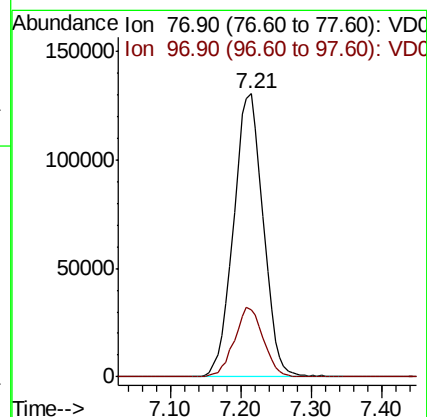
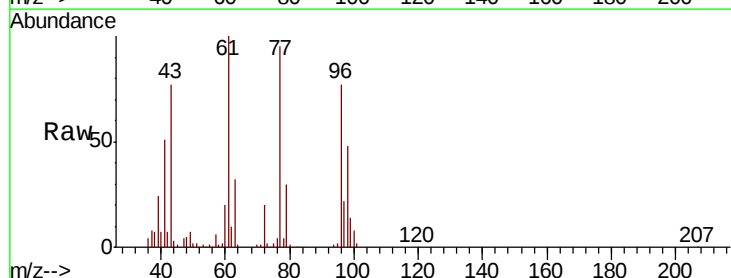
Acq: 24 Mar 2020 13:45

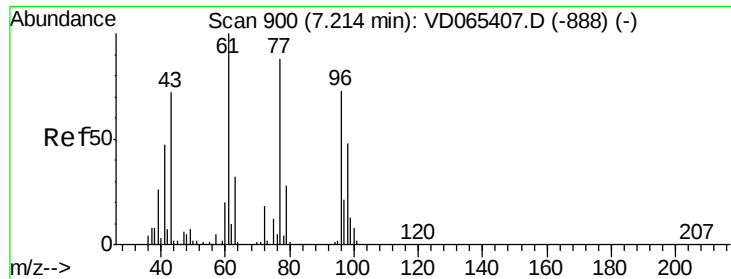
Tgt Ion: 77 Resp: 380819

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 52.295 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

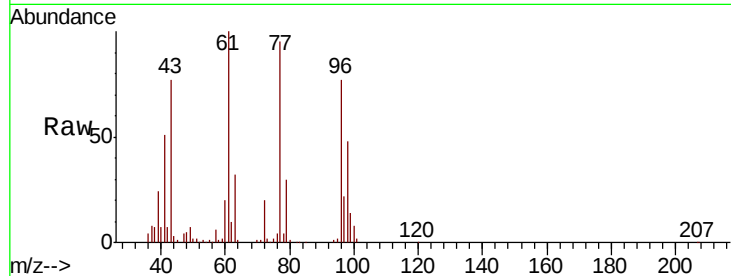
ClientSampleId :

VSTDCCC050

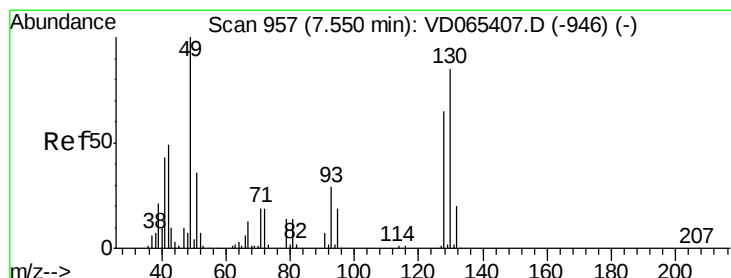
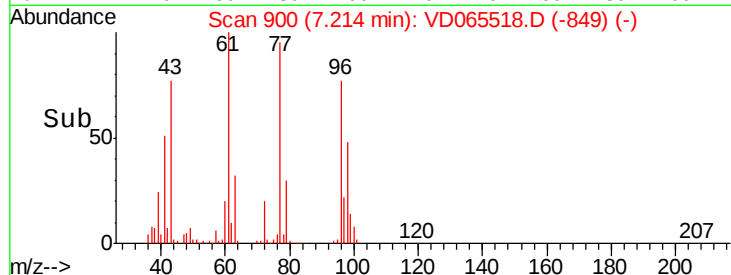
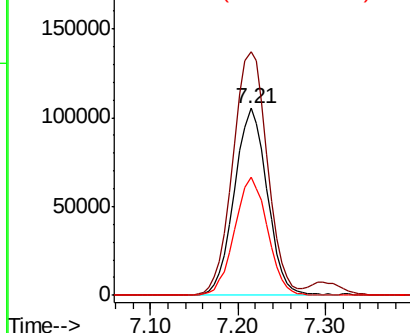
Tot Ion:	96	Resp:	268816
Ion Ratio	Lower	Upper	
96	100		
61	136.6	0.0	280.4
98	63.4	0.0	132.6

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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 50.051 ug/l

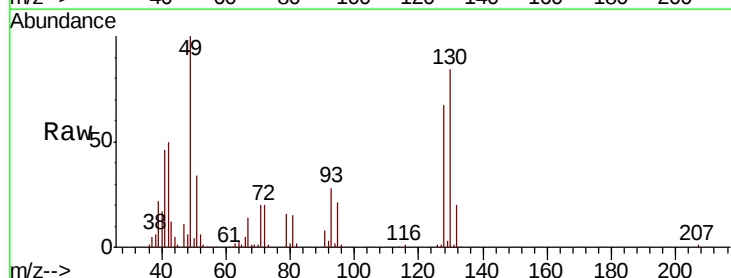
RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

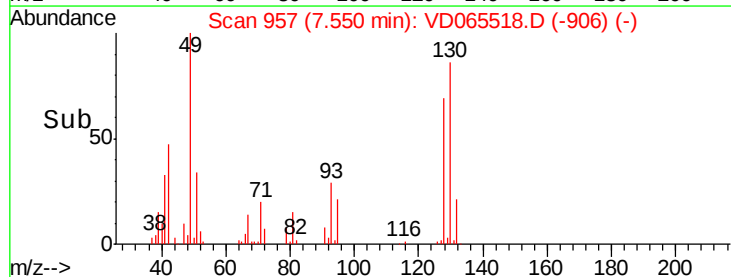
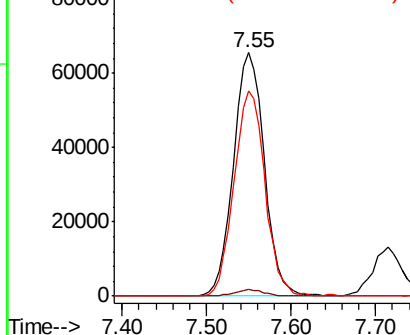
Lab File: VD065518.D

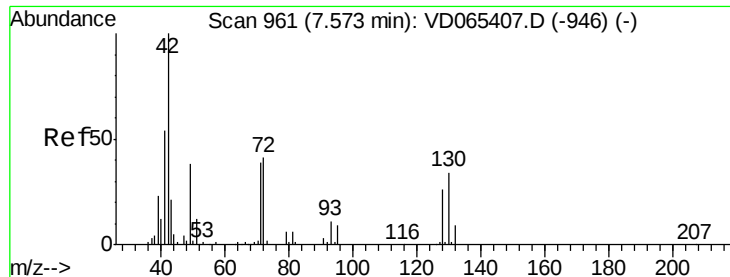
Acq: 24 Mar 2020 13:45

Tgt Ion:	49	Resp:	165817
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	4.6
130	84.3	66.6	100.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





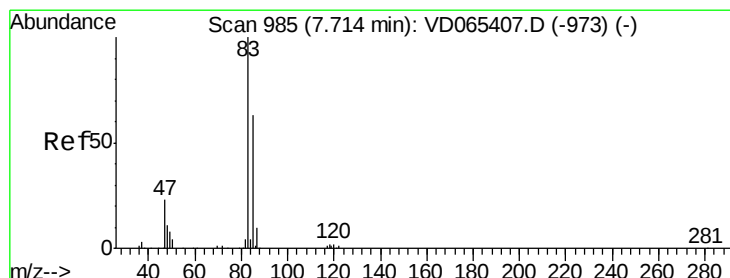
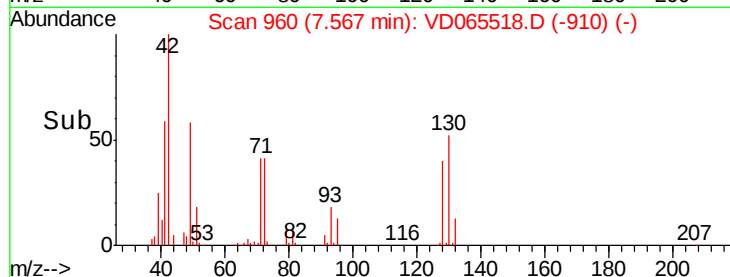
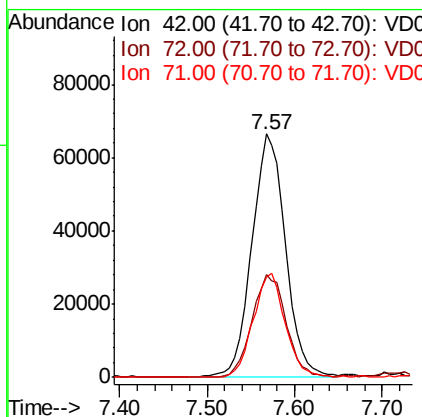
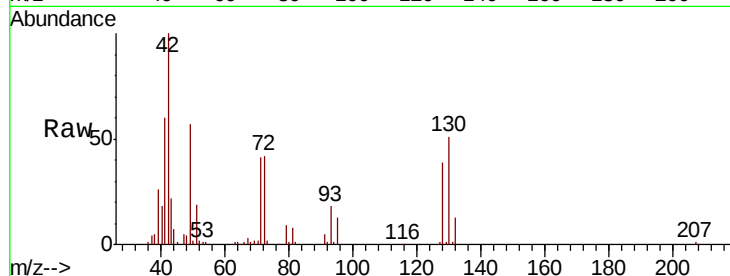
#29
Tetrahydrofuran
Concen: 238.295 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.0	49.6
71	40.6	32.0	48.0

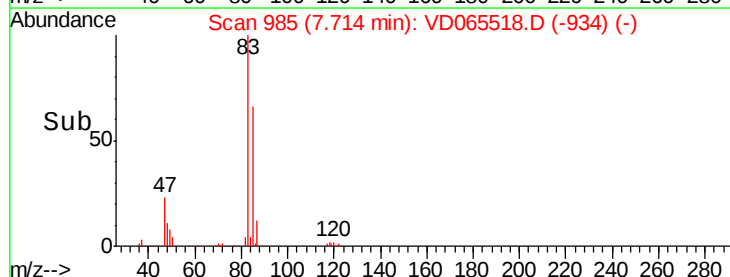
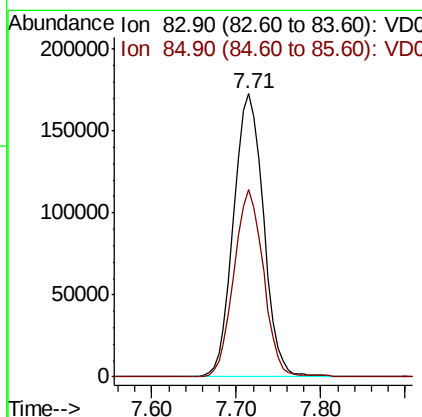
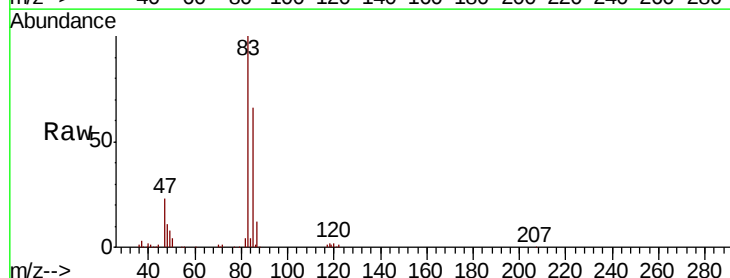
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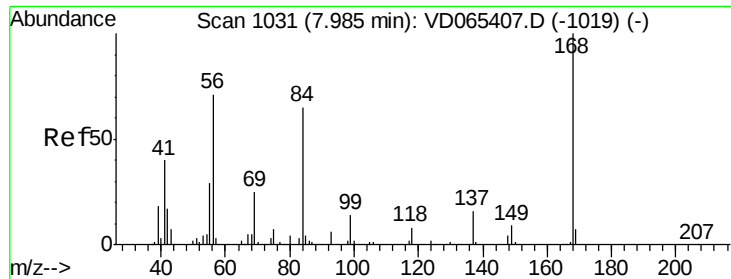
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#30
Chloroform
Concen: 51.173 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	50.3	75.5





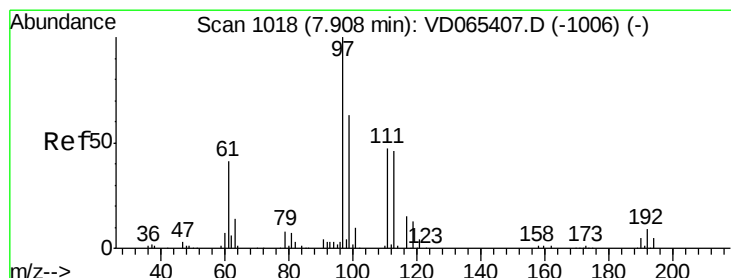
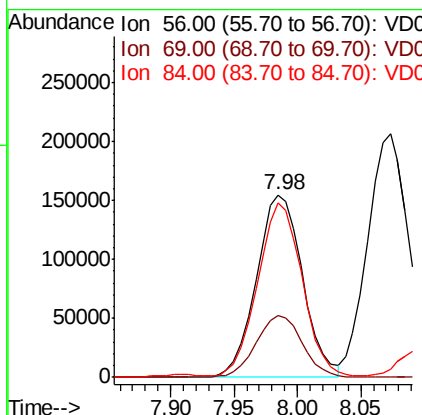
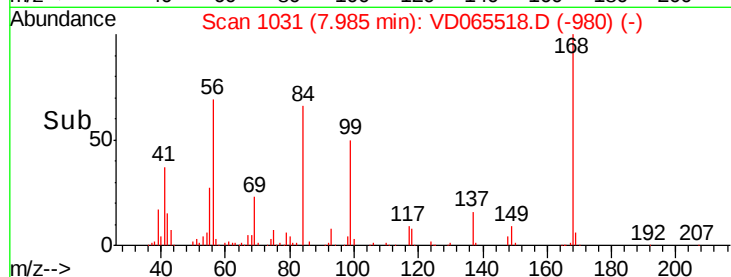
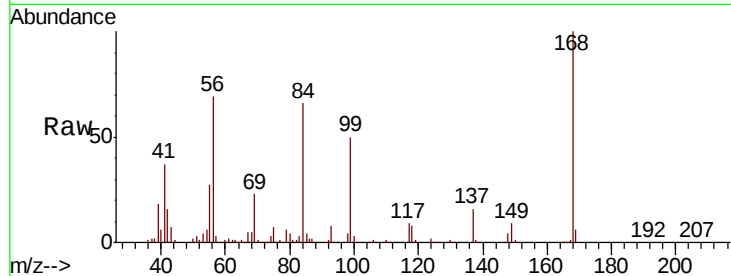
#31
Cyclohexane
Concen: 47.461 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	28.3	42.5
84	94.2	73.1	109.7

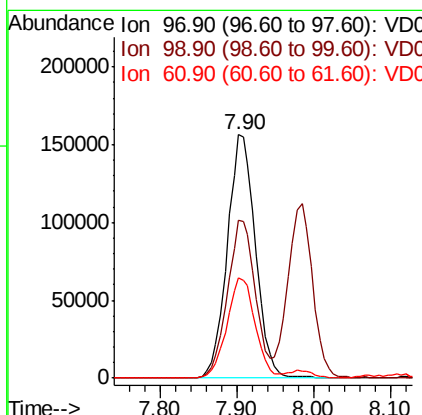
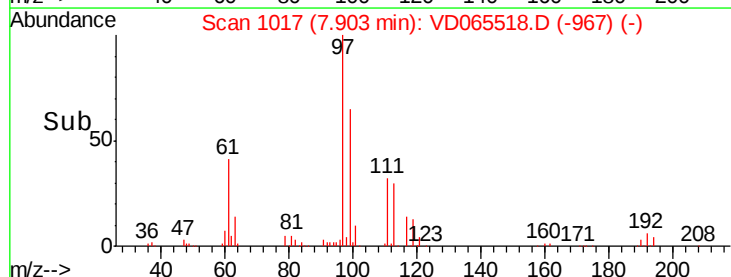
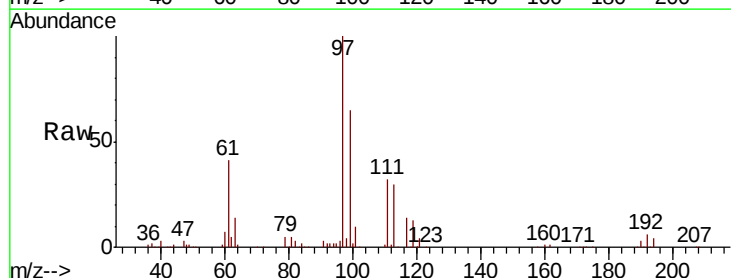
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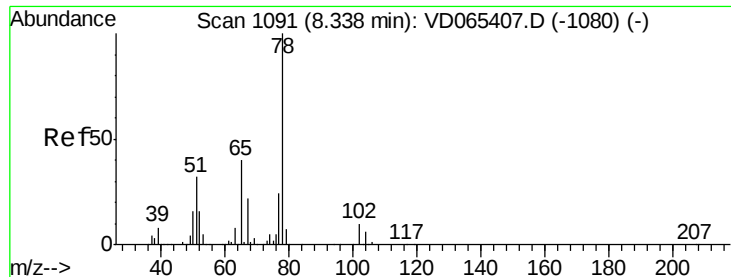
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#32
1,1,1-Trichloroethane
Concen: 52.089 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.9	76.3
61	41.7	33.2	49.8





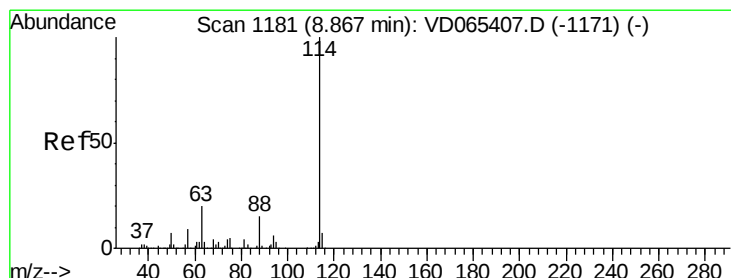
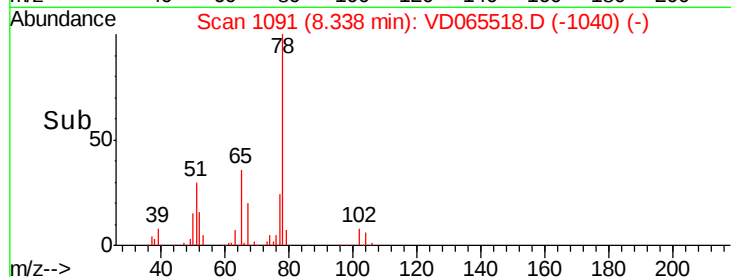
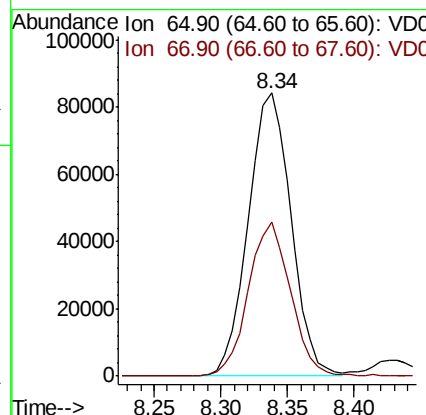
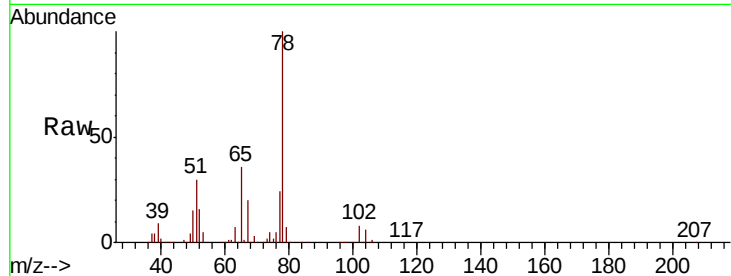
#33
 1,2-Dichloroethane-d4
 Concen: 44.911 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	187266		
67	53.4	0.0	108.0	

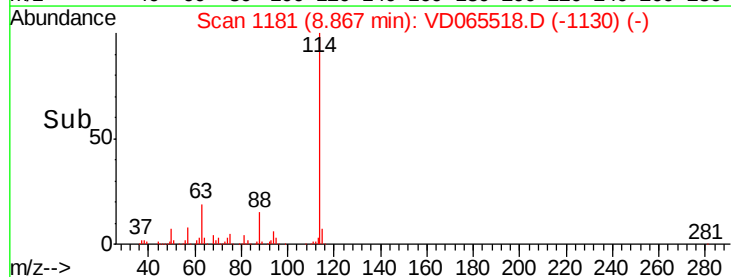
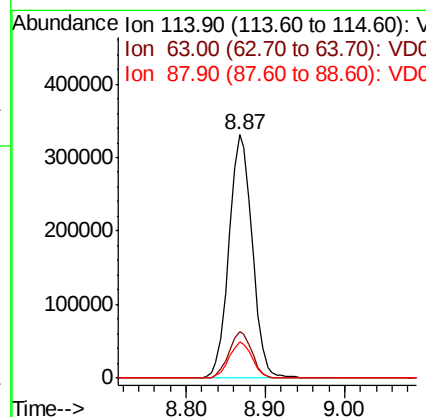
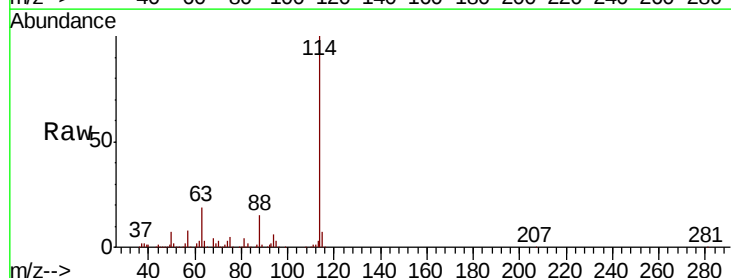
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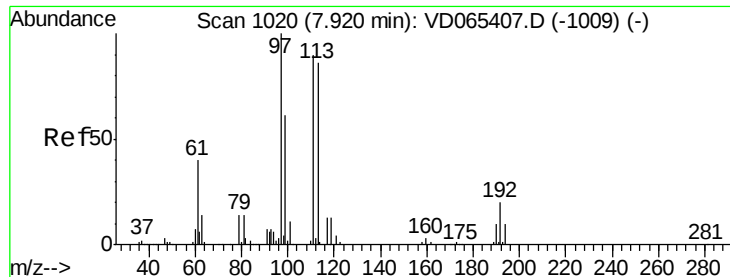
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	671735		
63	19.0	0.0	39.6	
88	15.0	0.0	30.4	





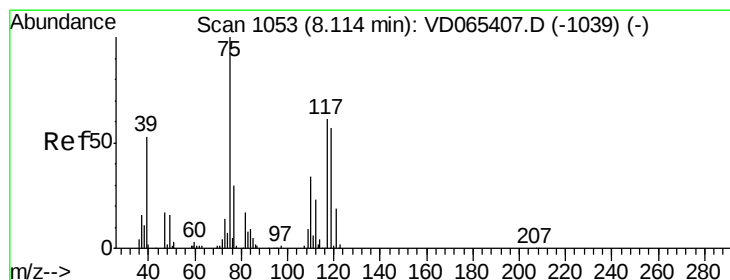
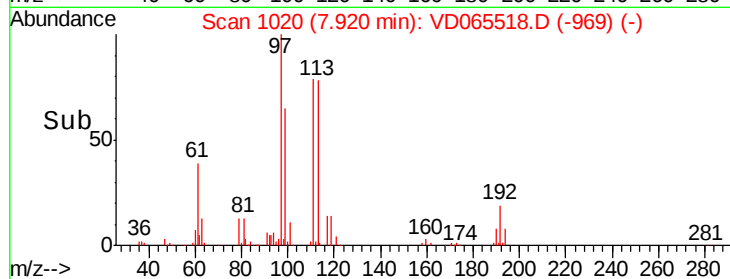
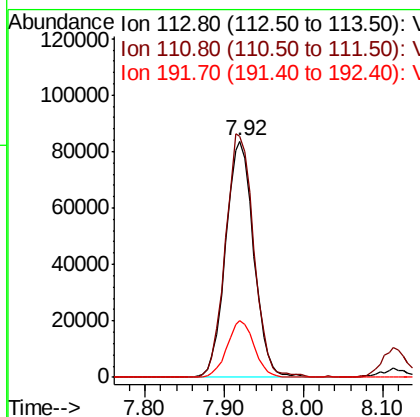
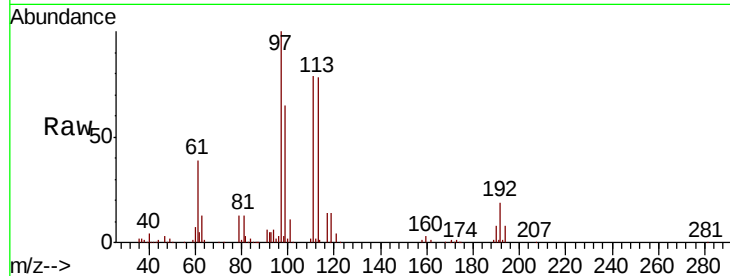
#35
Dibromofluoromethane
Concen: 49.209 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.1	123.1
192	23.0	17.2	25.8

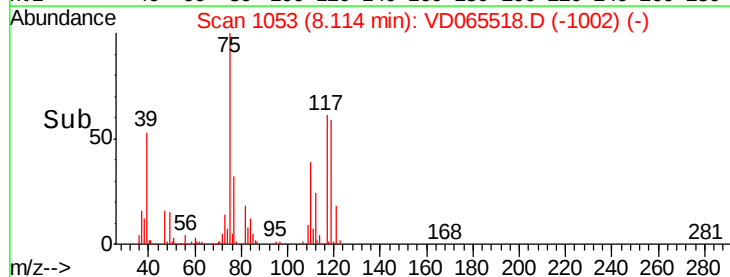
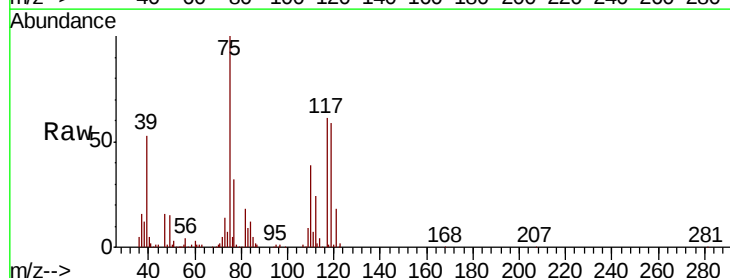
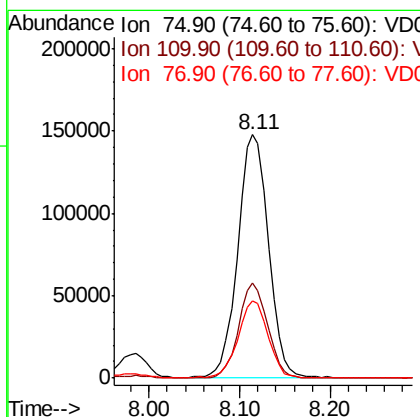
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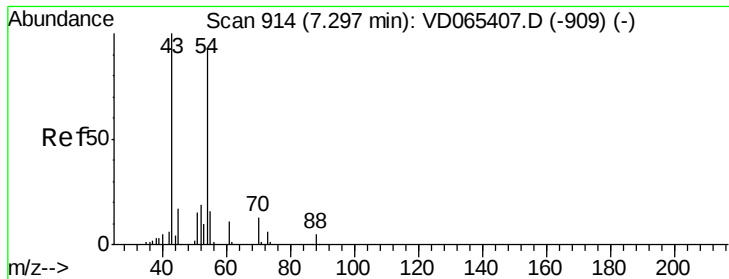
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#36
1,1-Dichloropropene
Concen: 54.025 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.1	54.1
77	31.2	25.2	37.8





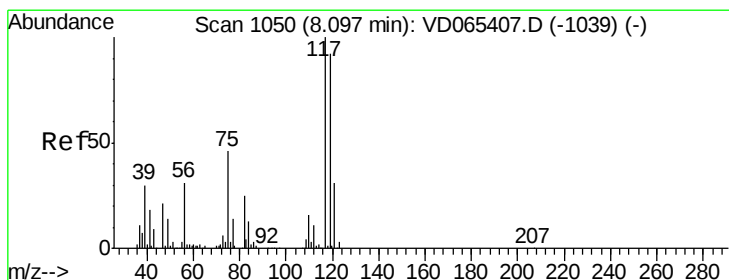
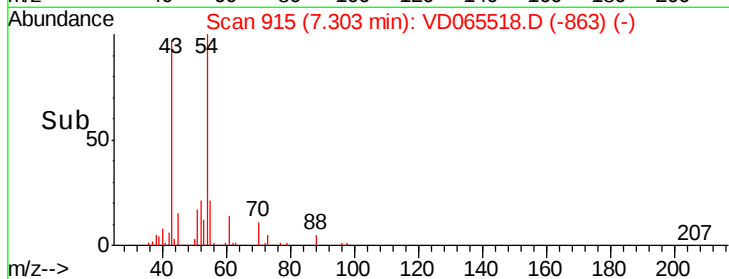
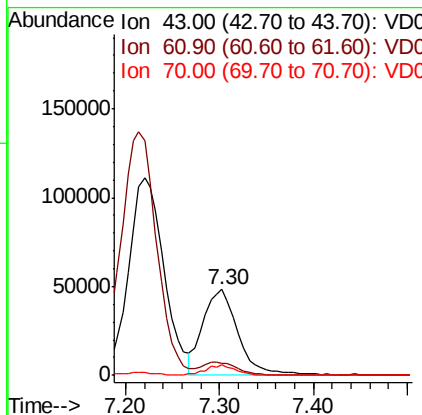
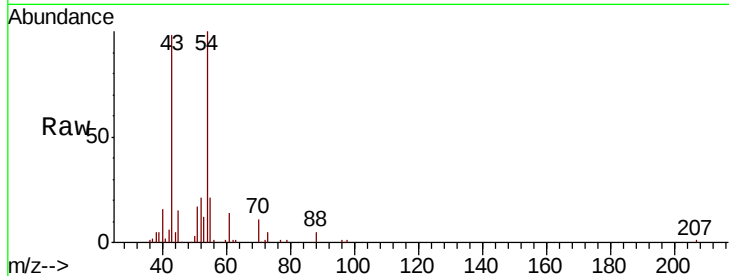
#37
Ethyl Acetate
Concen: 49.924 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.4	17.0
70	10.6	9.0	13.4

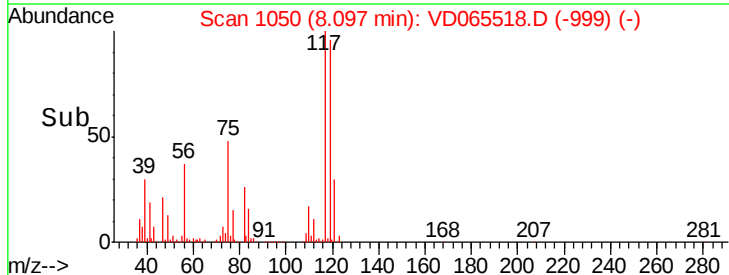
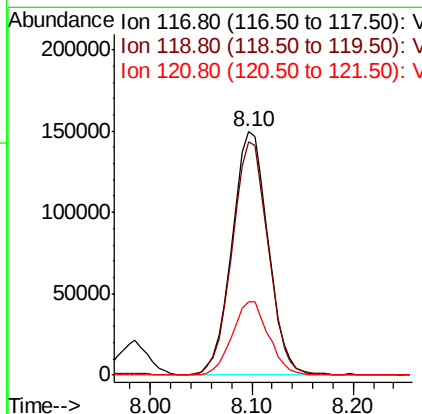
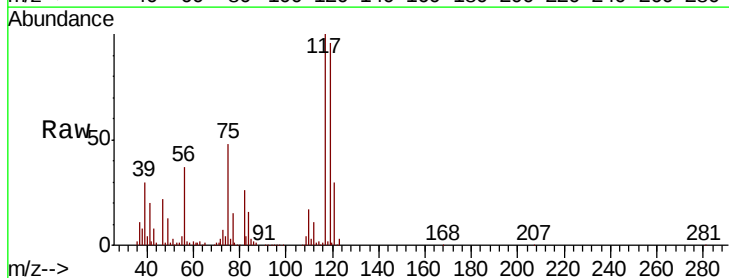
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#38
Carbon Tetrachloride
Concen: 55.162 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	73.3	109.9
121	30.3	25.0	37.4





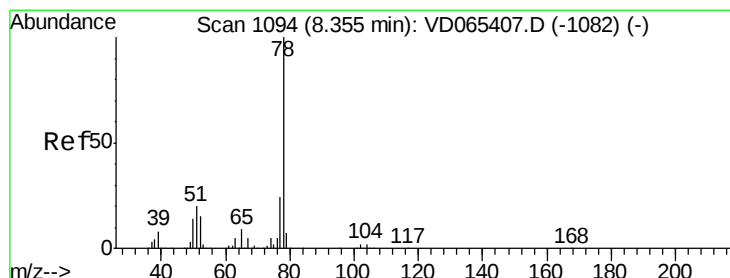
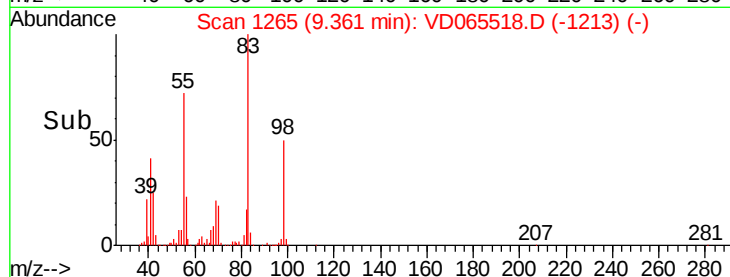
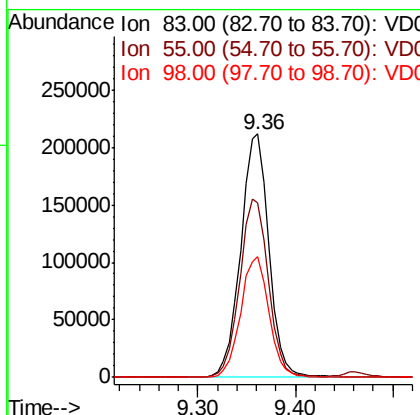
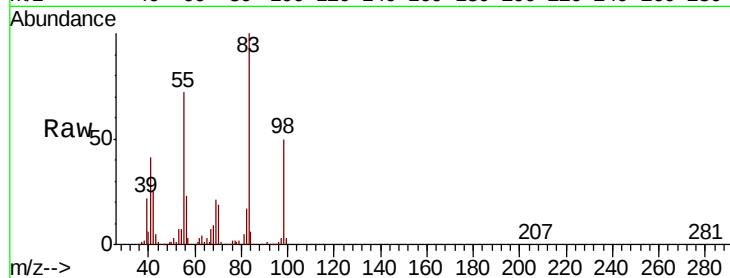
#39
Methvlcvclohexane
Concen: 54.932 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.9	57.1	85.7
98	49.5	37.8	56.8

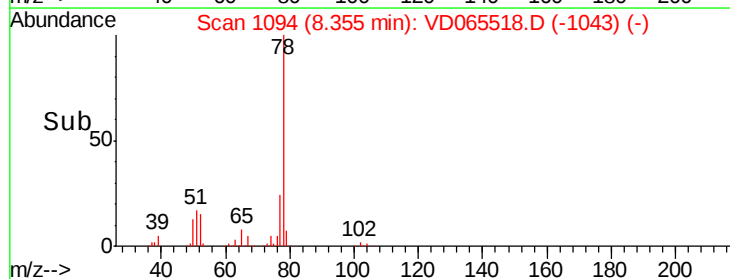
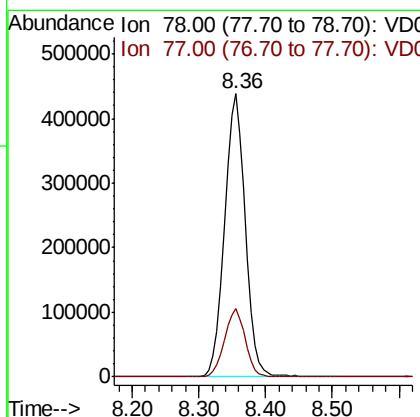
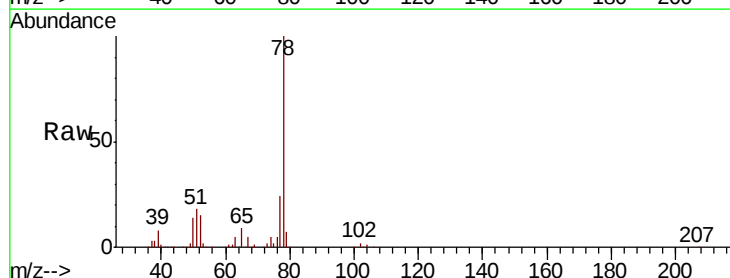
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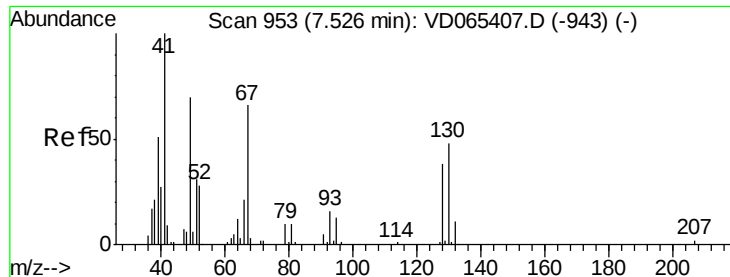
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#40
Benzene
Concen: 53.480 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0





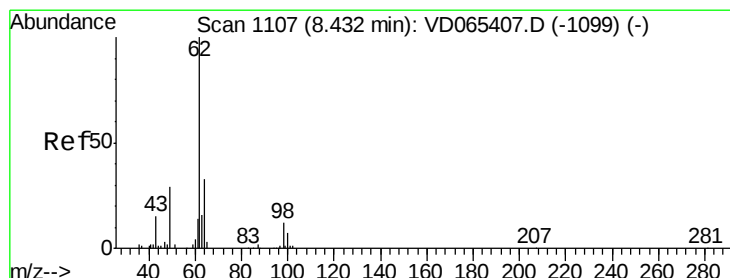
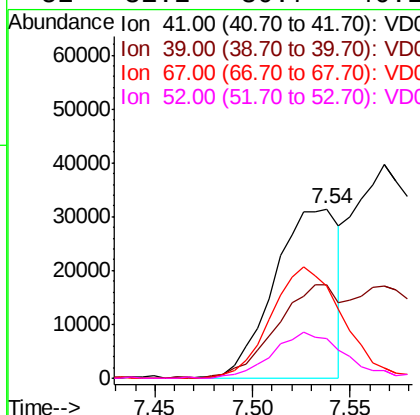
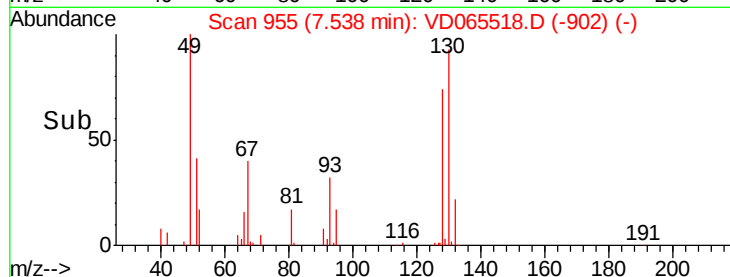
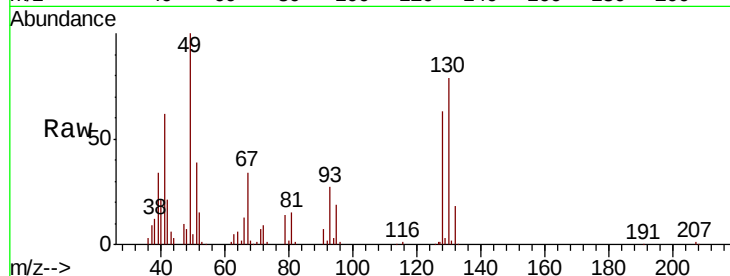
#41
Methacrylonitrile
Concen: 54.914 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.6	55.0	82.6	
67	72.8	70.3	105.5	
52	31.2	30.7	46.1	

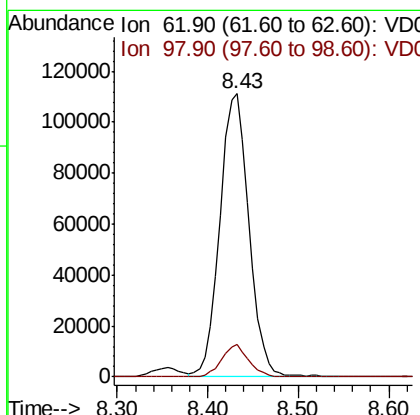
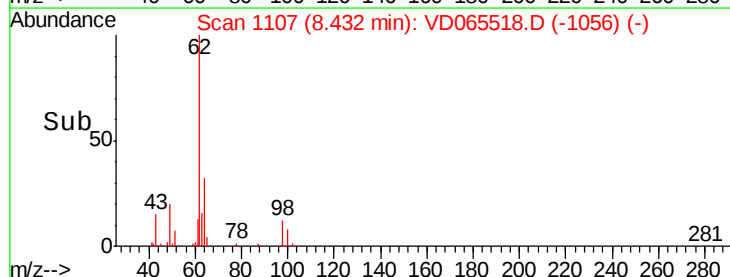
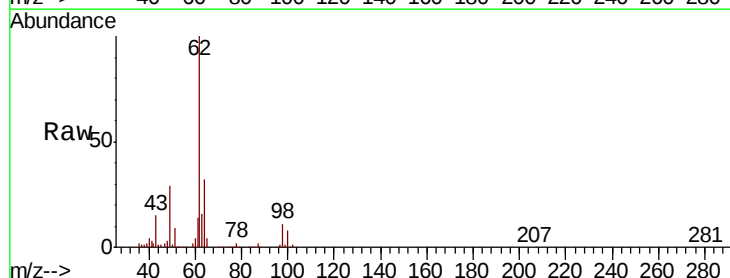
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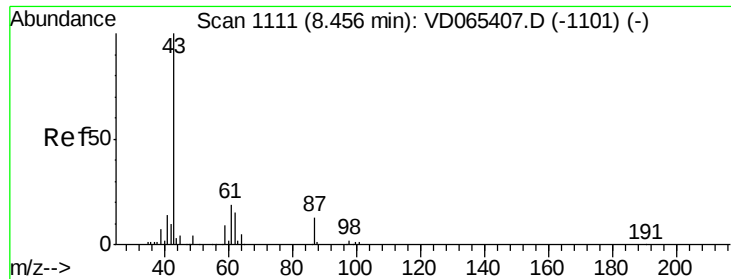
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#42
1,2-Dichloroethane
Concen: 52.505 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	21.4	





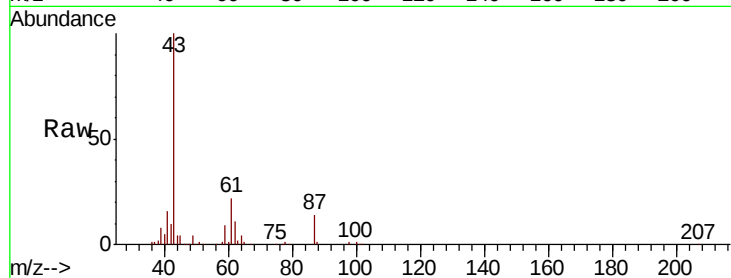
#43
Isopropyl Acetate
Concen: 50.054 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

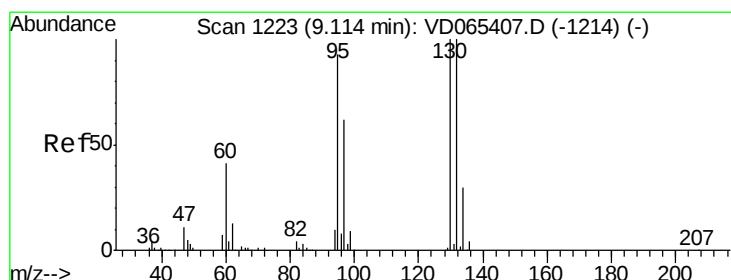
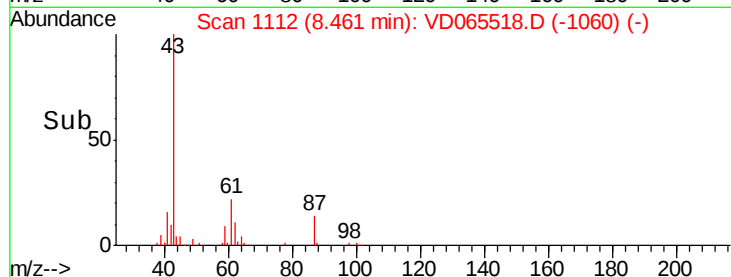
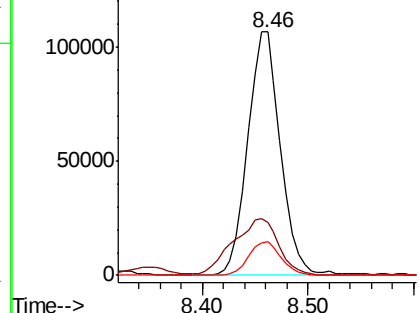
Tot Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.0	37.6
87	13.8	11.0	16.4

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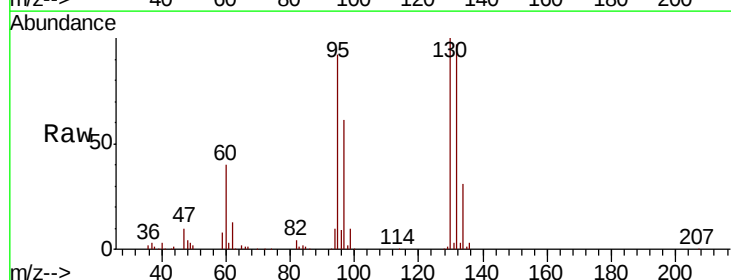


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

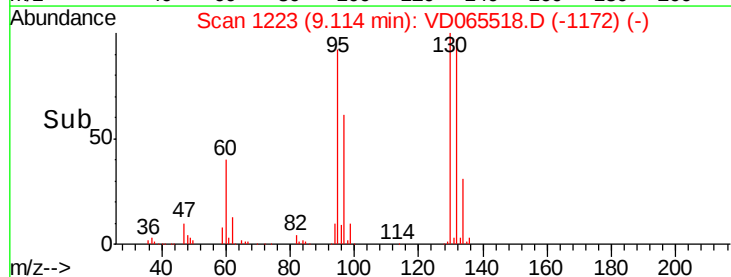
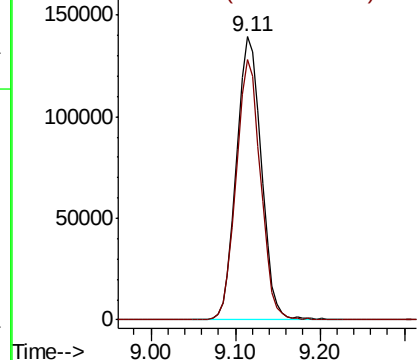


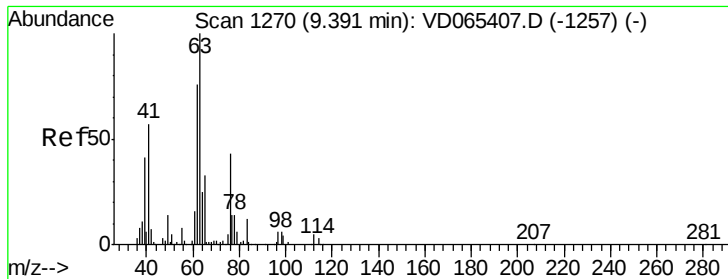
#44
Trichloroethene
Concen: 55.489 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	186.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





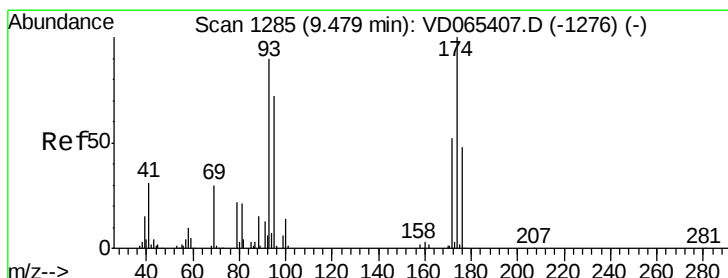
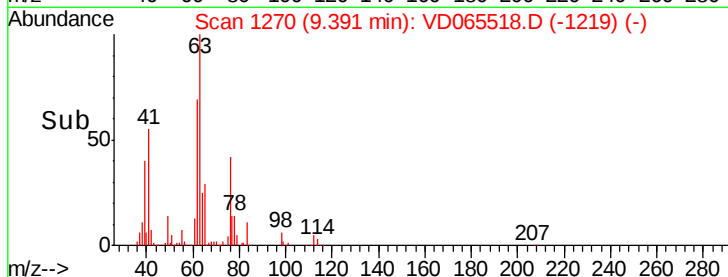
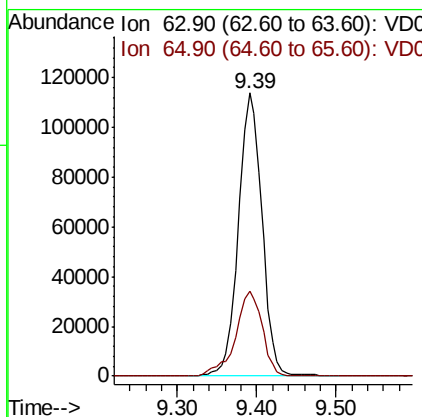
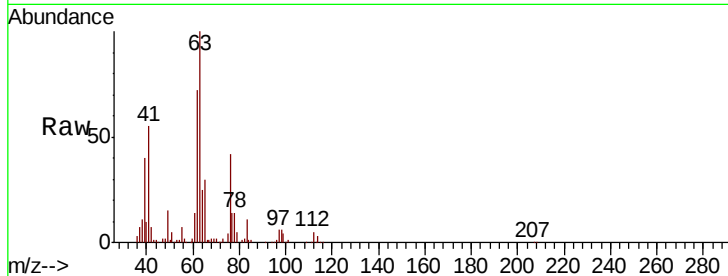
#45
 1,2-Dichloropropane
 Concen: 53.799 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	26.4	39.6

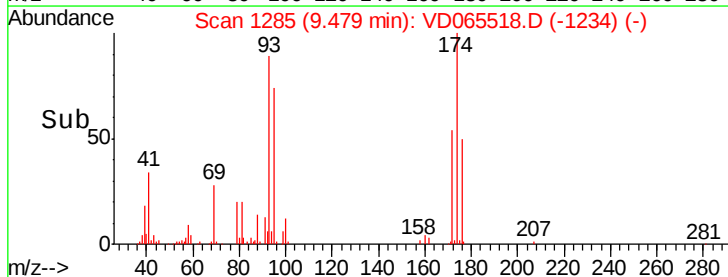
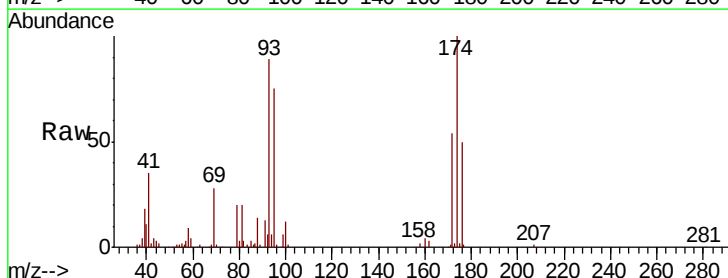
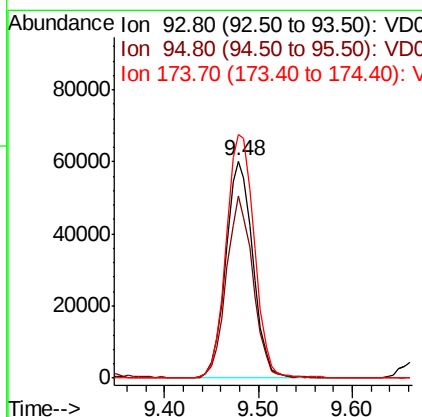
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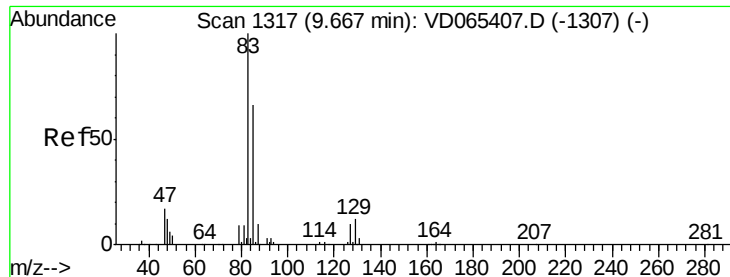
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#46
 Dibromomethane
 Concen: 53.383 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	65.0	97.6
174	116.2	88.3	132.5





#47

Bromodichloromethane

Concen: 54.136 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

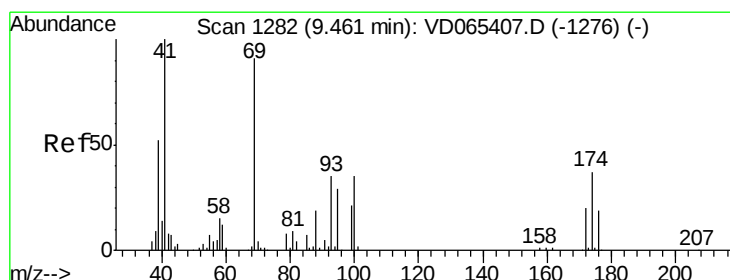
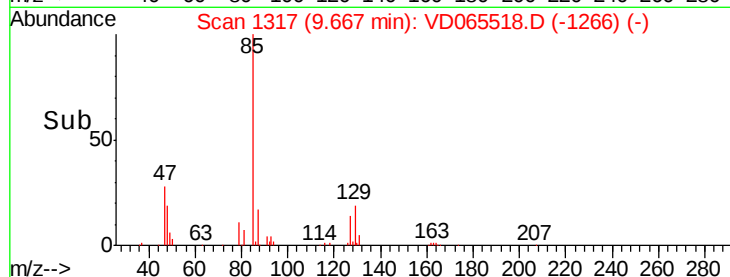
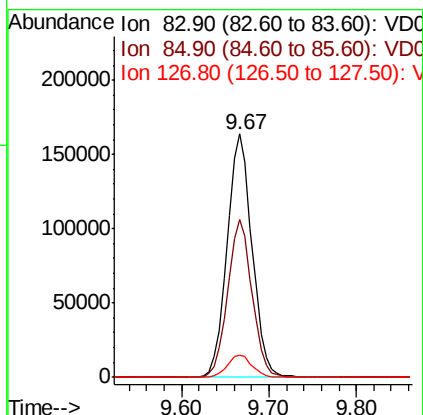
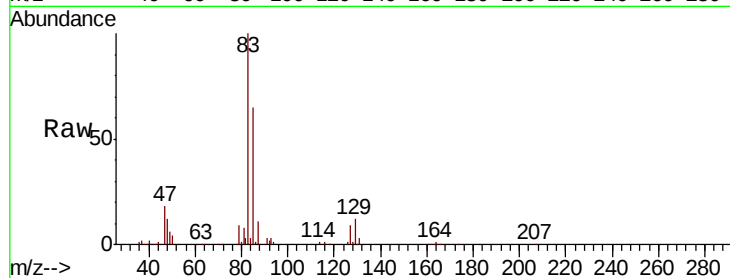
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	318583
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.8	79.2
127	9.3	8.0	12.0

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#48

Methyl methacrylate

Concen: 56.715 ug/l

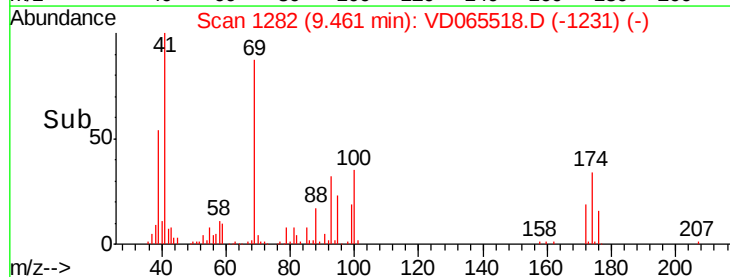
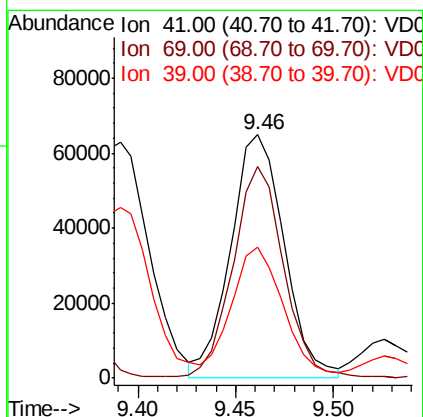
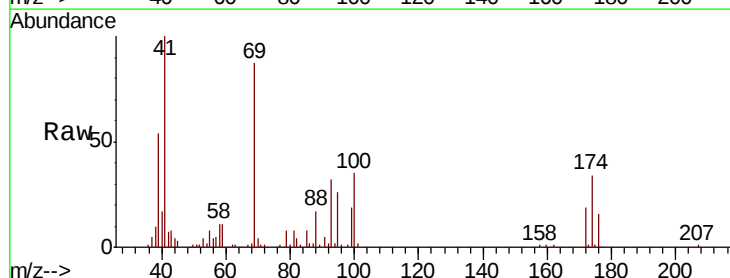
RT: 9.46 min Scan# 1282

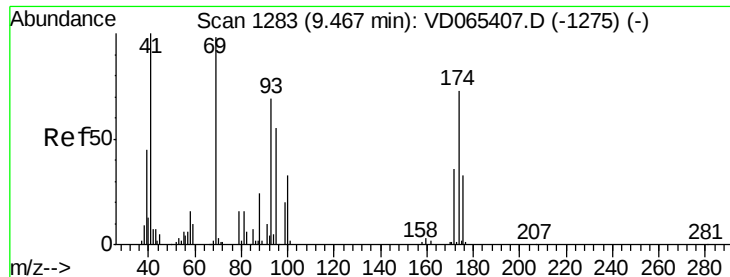
Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Tgt Ion:	41	Resp:	122596
Ion	Ratio	Lower	Upper
41	100		
69	82.3	72.5	108.7
39	48.0	41.6	62.4





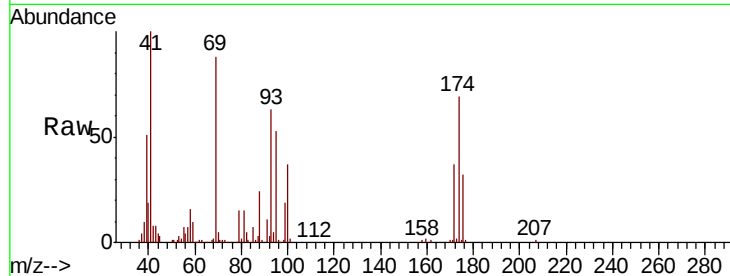
#49
1,4-Dioxane
Concen: 1093.388 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

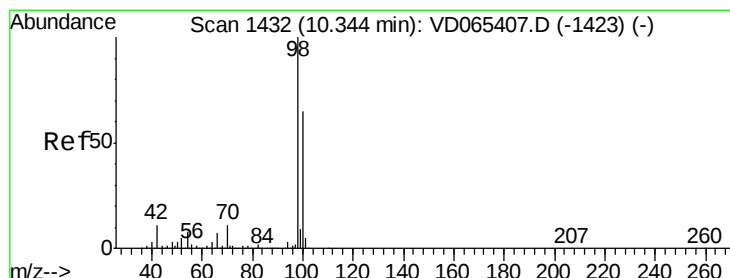
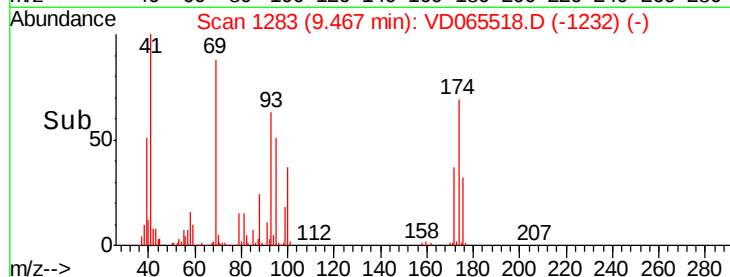
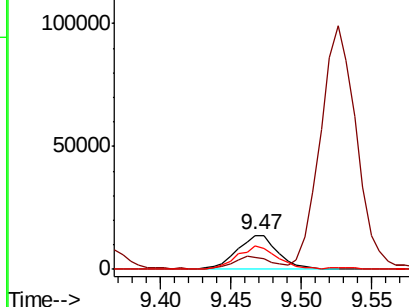
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	24.5	36.7
58	67.5	54.5	81.7

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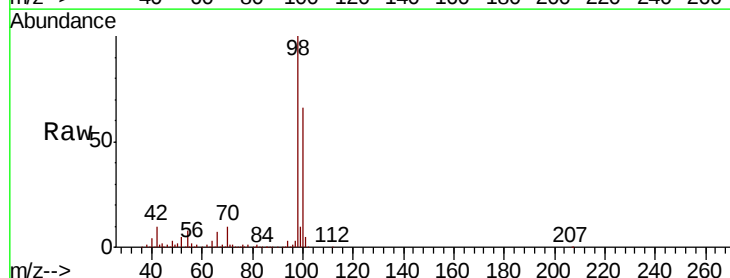


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

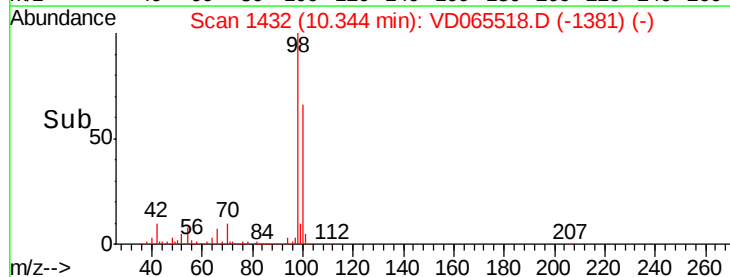
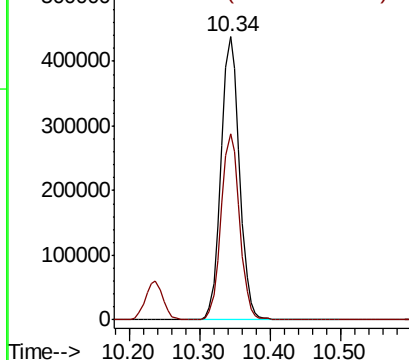


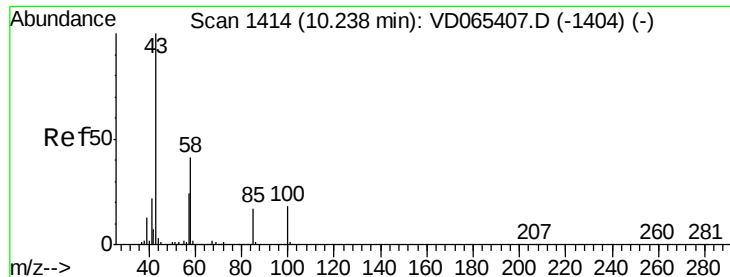
#50
Toluene-d8
Concen: 49.989 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.8	79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 263.392 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 609091

Ion Ratio Lower Upper

43 100

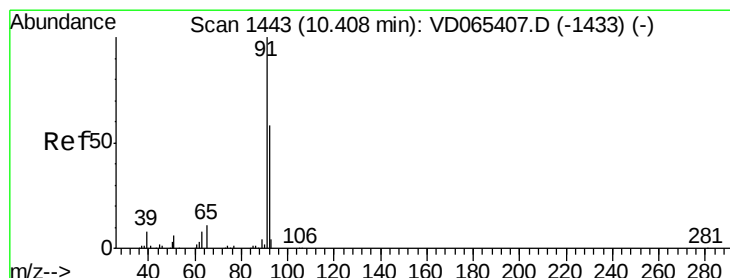
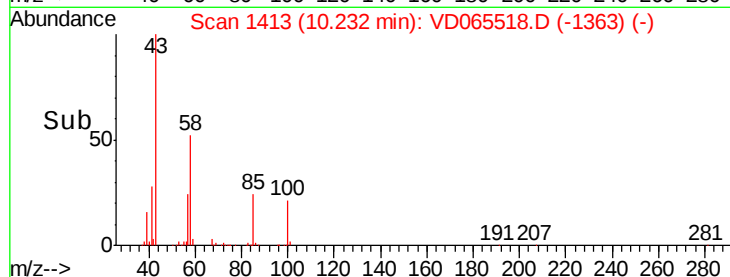
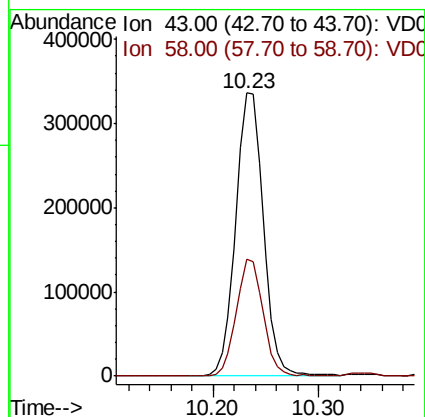
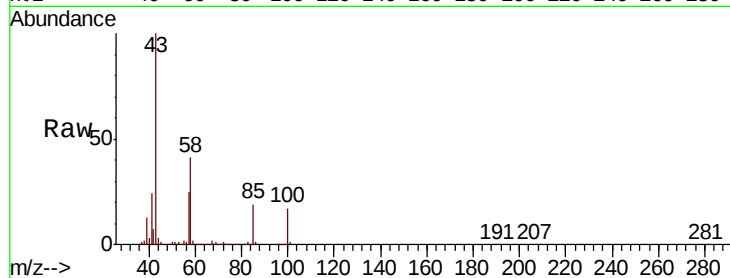
58 39.8 31.8 47.6

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#52

Toluene

Concen: 55.546 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065518.D

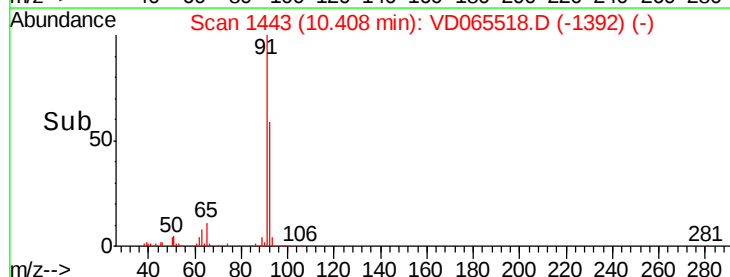
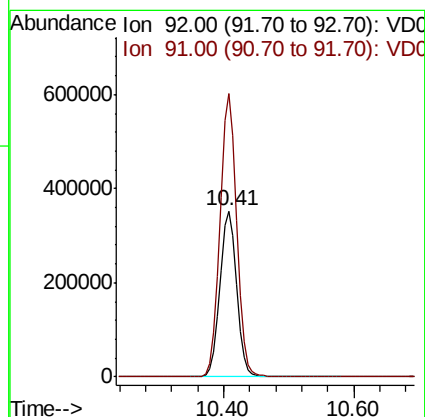
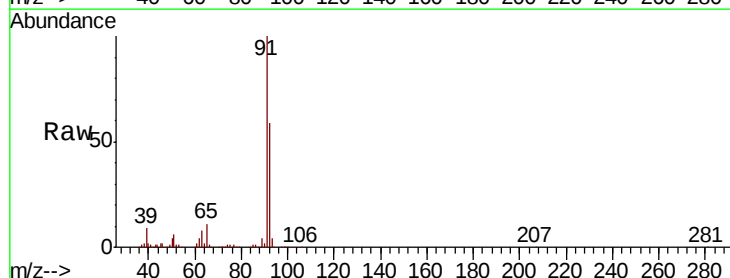
Acq: 24 Mar 2020 13:45

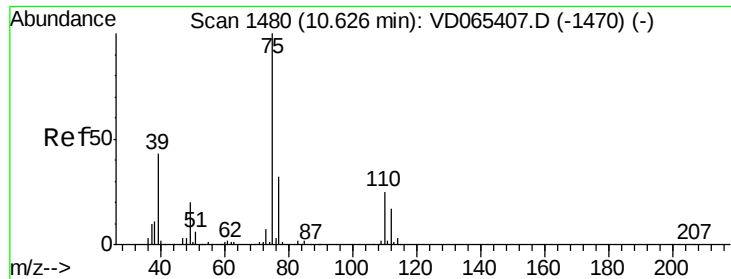
Tgt Ion: 92 Resp: 629966

Ion Ratio Lower Upper

92 100

91 169.9 137.8 206.8





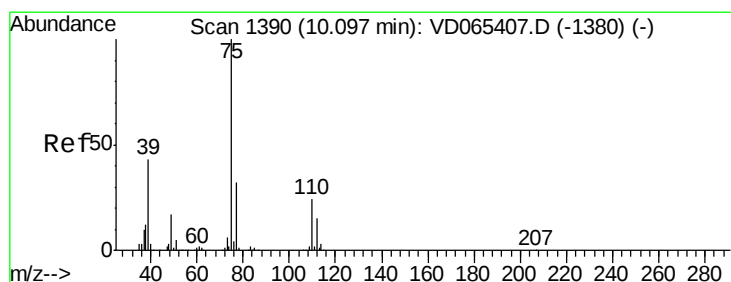
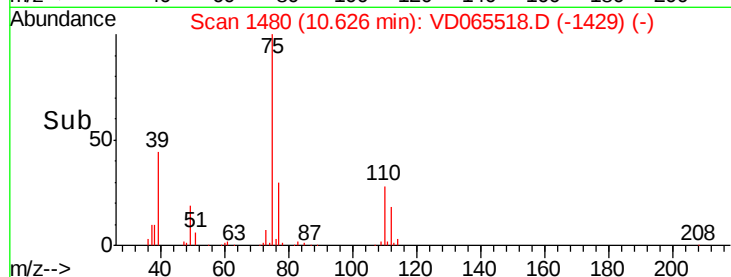
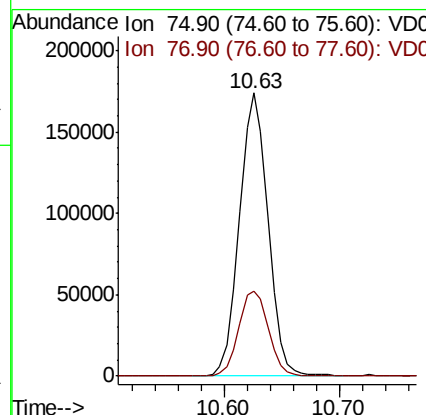
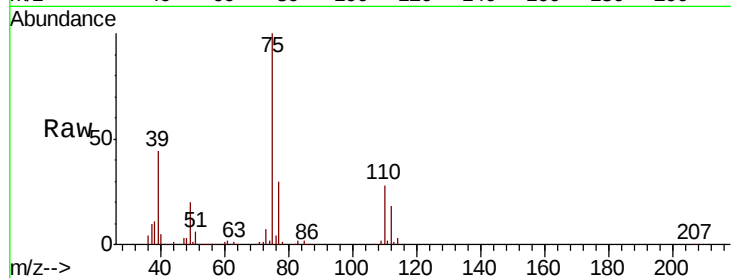
#53
t-1,3-Dichloropropene
Concen: 54.315 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.4	38.2

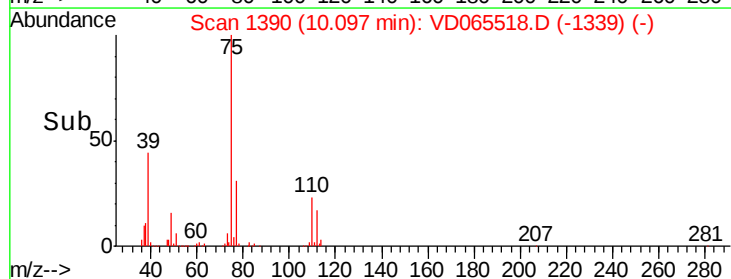
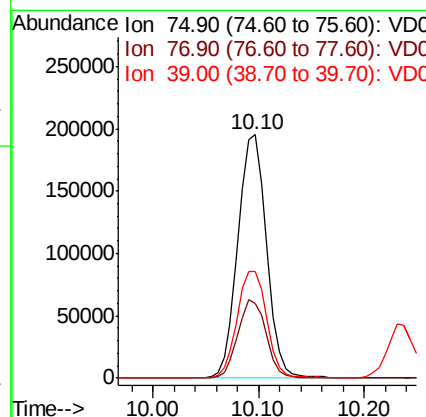
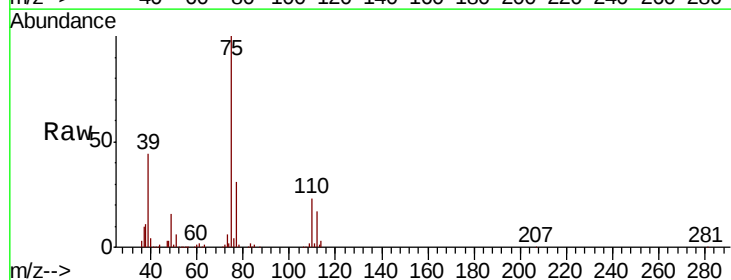
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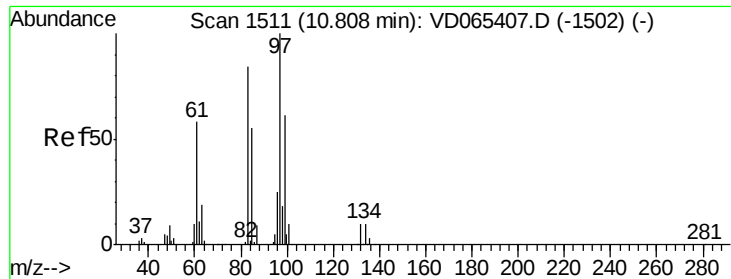
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#54
cis-1,3-Dichloropropene
Concen: 54.920 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9
39	43.9	34.6	52.0





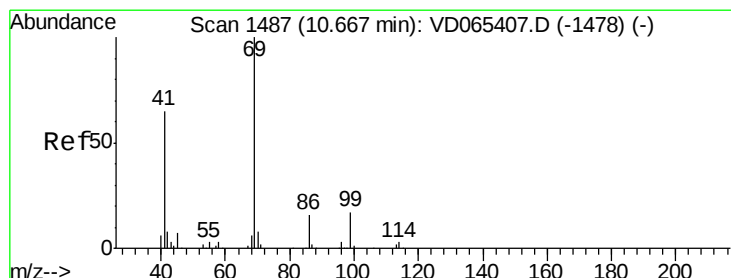
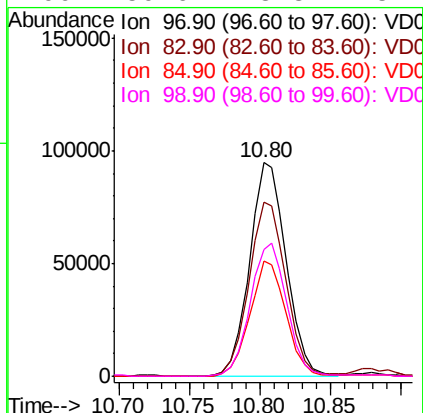
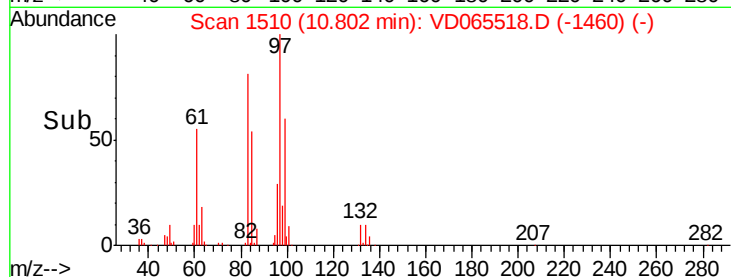
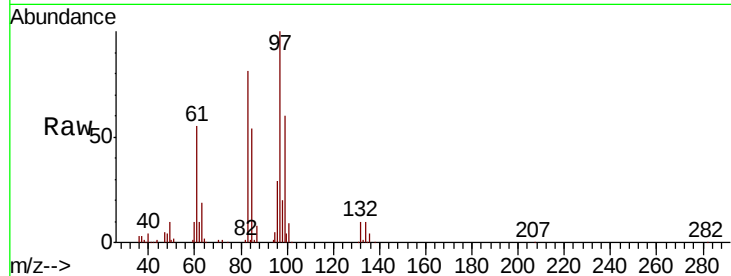
#55
 1,1,2-Trichloroethane
 Concen: 53.943 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.4	101.0
85	53.9	43.8	65.8
99	59.6	48.8	73.2

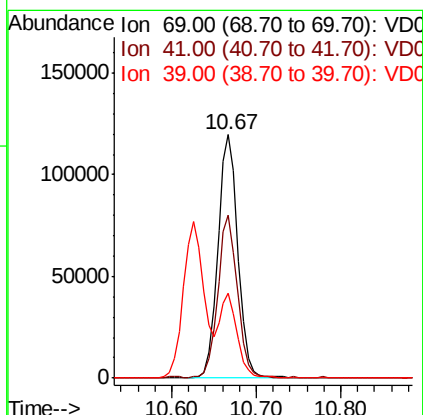
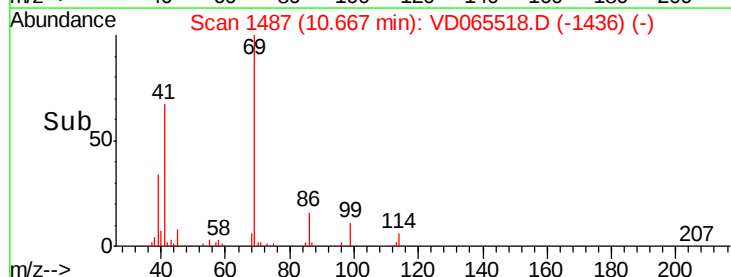
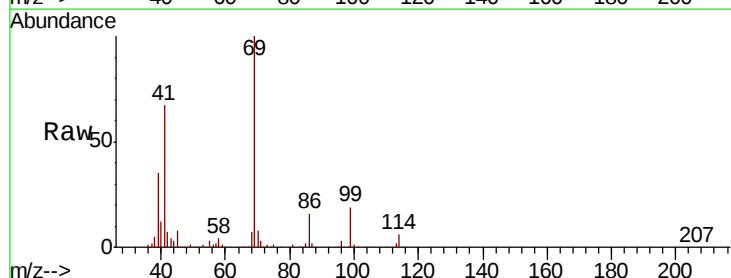
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#56
 Ethyl methacrylate
 Concen: 54.660 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.9	53.0	79.6
39	31.0	26.0	39.0





#57

1,3-Dichloropropane

Concen: 52.908 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 286805

Ion Ratio Lower Upper

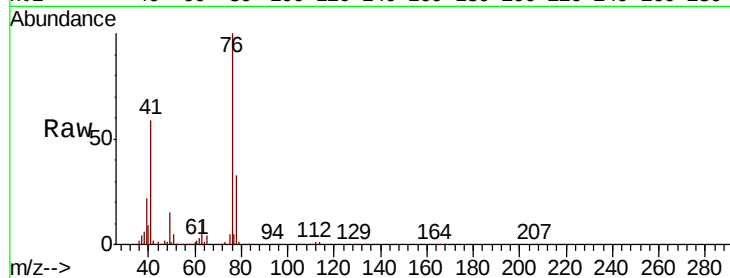
76 100

78 32.6 26.0 39.0

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

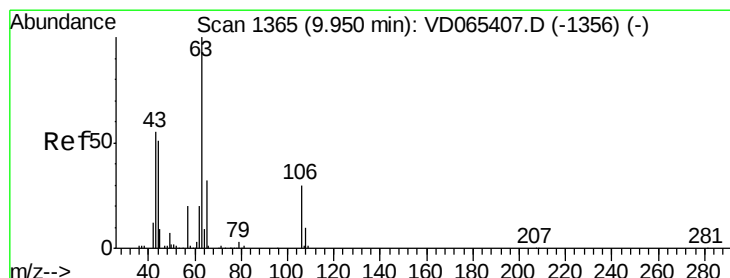
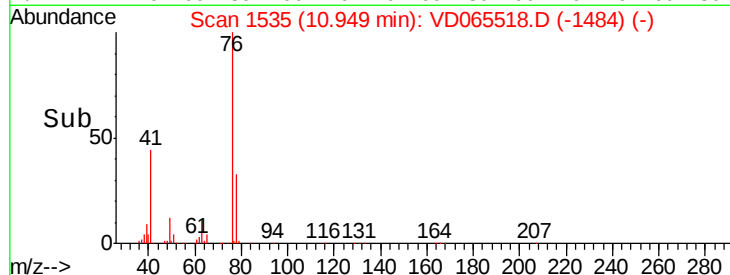
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 230.853 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065518.D

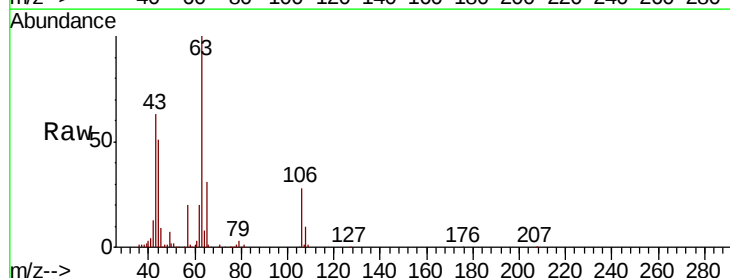
Acq: 24 Mar 2020 13:45

Tgt Ion: 63 Resp: 260409

Ion Ratio Lower Upper

63 100

106 29.8 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

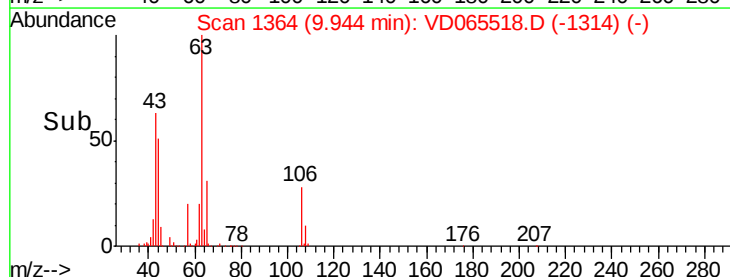
150000

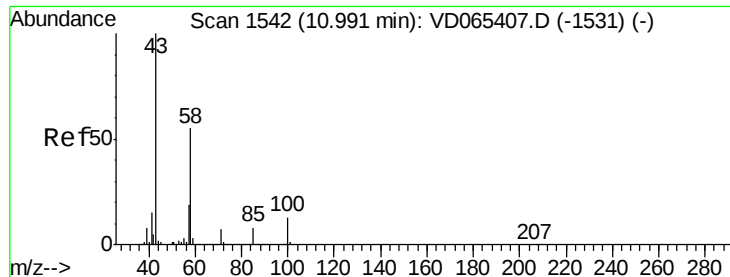
100000

50000

0

Time-->





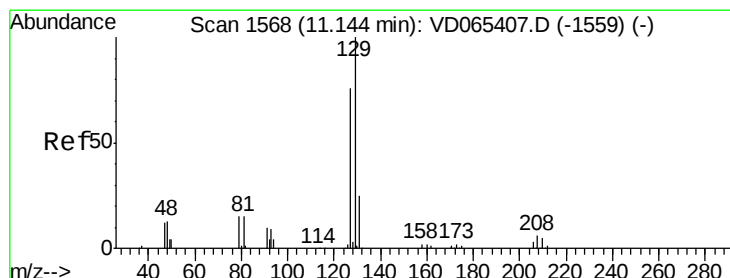
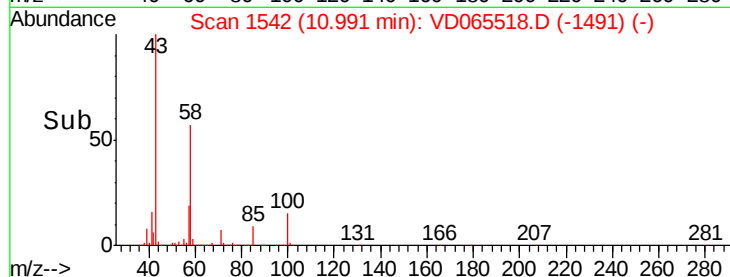
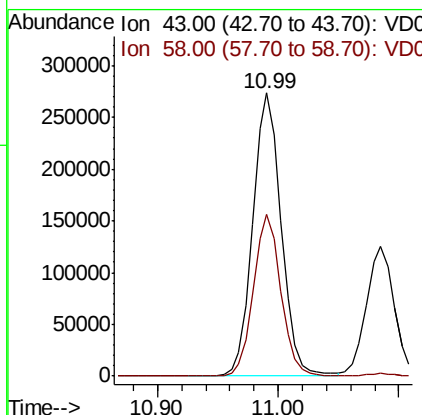
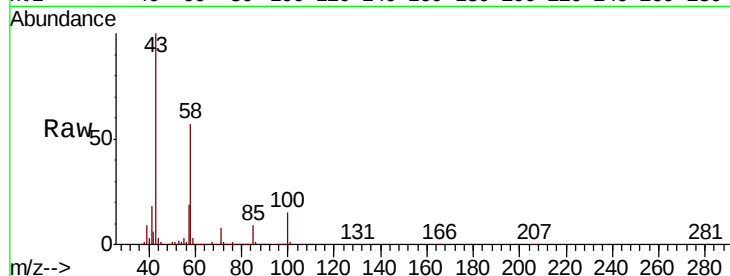
#59
2-Hexanone
Concen: 281.376 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 450426
Ion Ratio Lower Upper
43 100
58 55.0 27.4 82.2

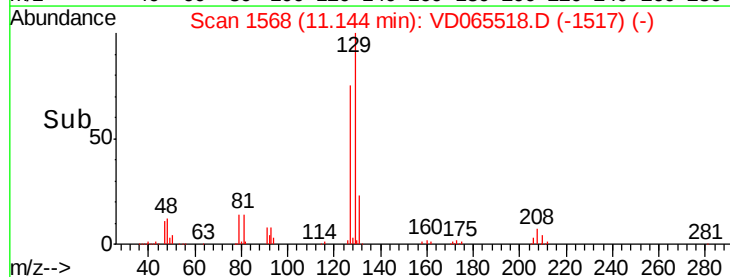
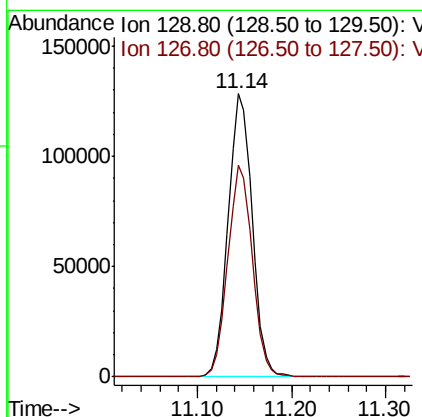
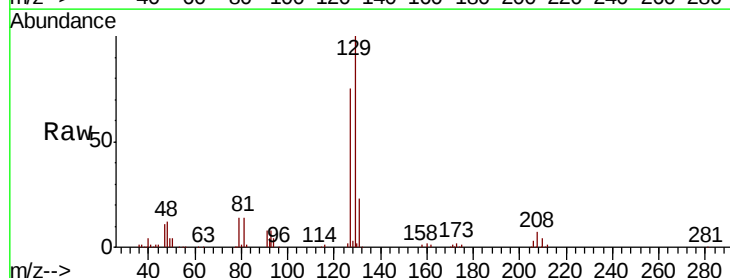
Manual Integrations
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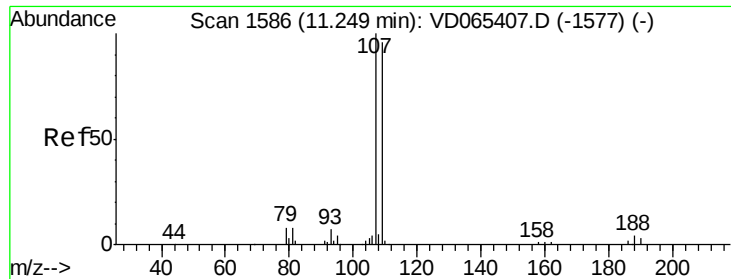
apatel
3/25/2020 10:39:59 AM



#60
Dibromochloromethane
Concen: 55.949 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion: 129 Resp: 229772
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.5





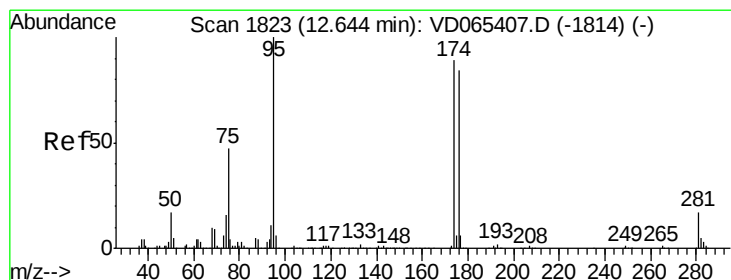
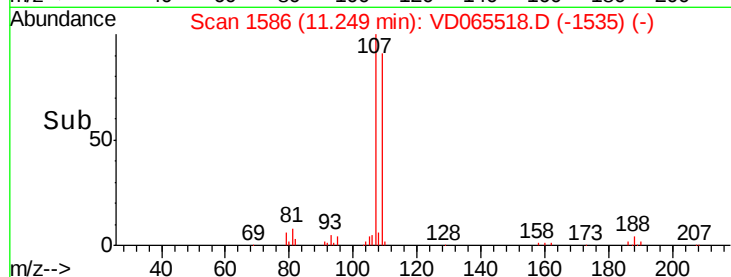
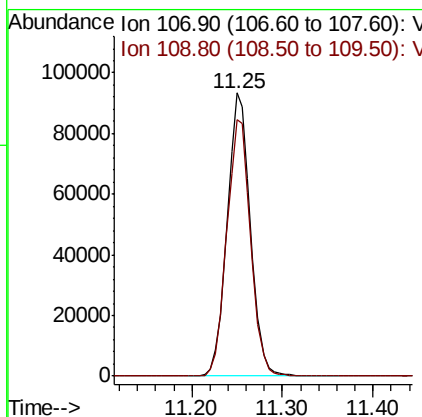
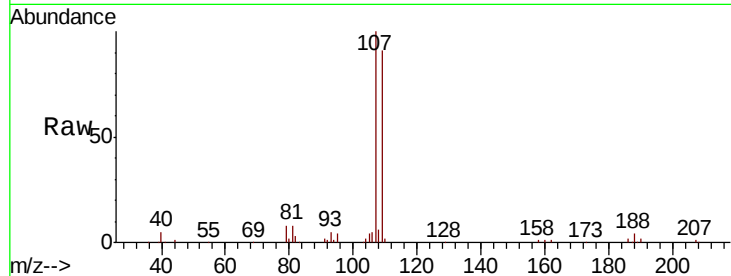
#61
1,2-Dibromoethane
Concen: 54.202 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	76.8	115.2

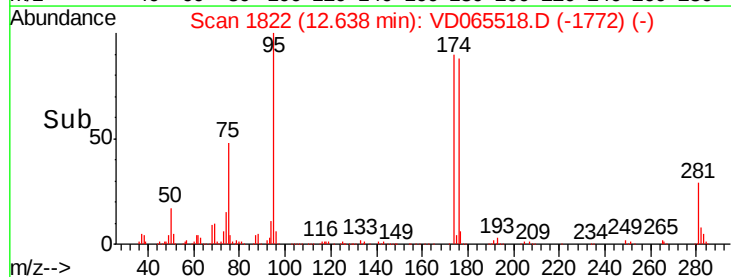
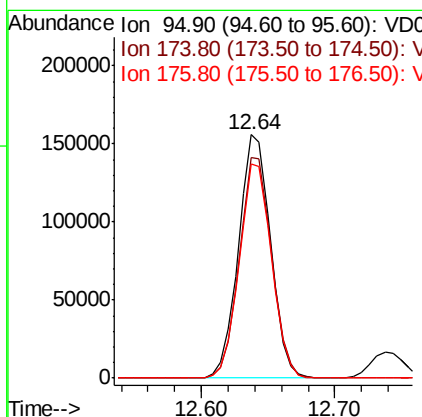
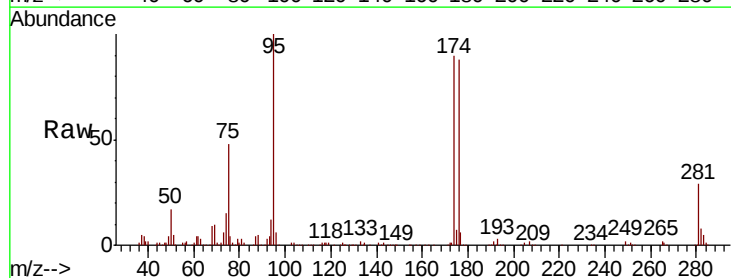
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#62
4-Bromofluorobenzene
Concen: 52.581 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	176.8
176	88.4	0.0	171.4





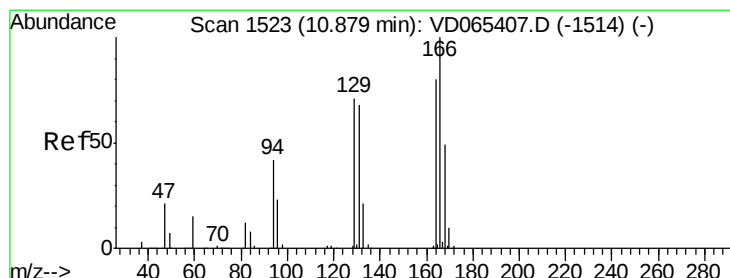
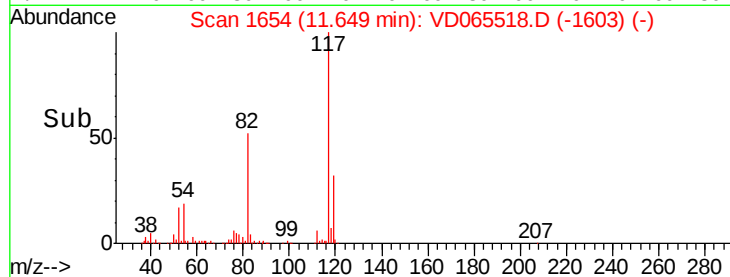
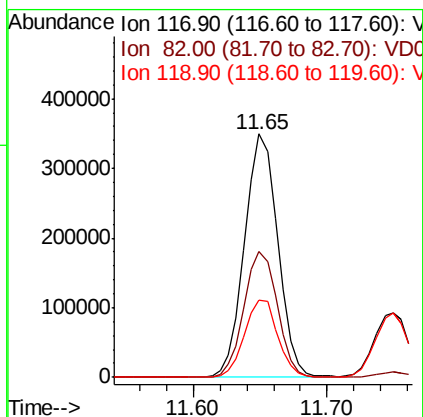
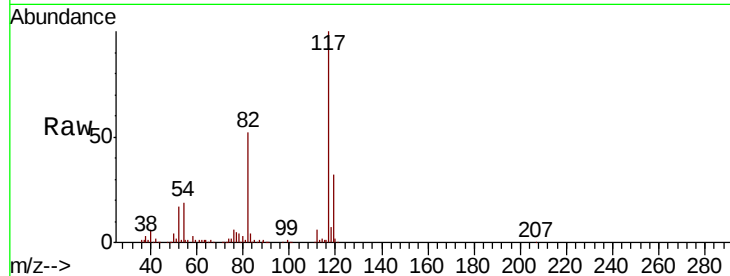
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	40.6	60.8
119	32.0	25.4	38.2

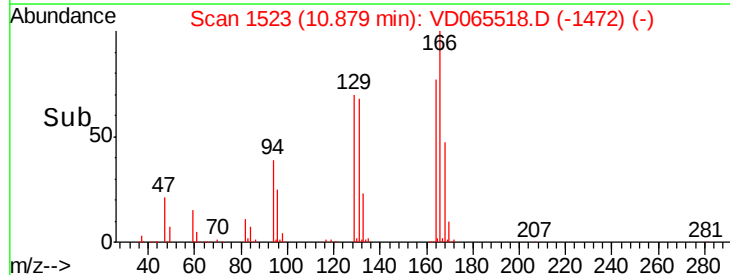
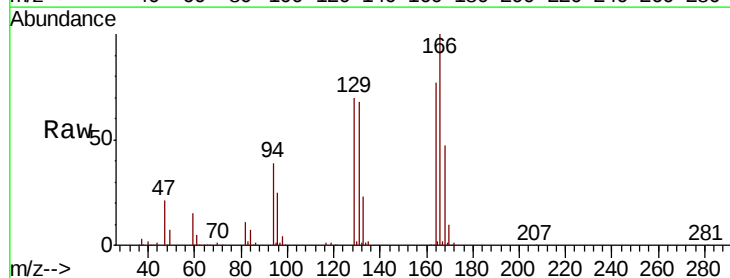
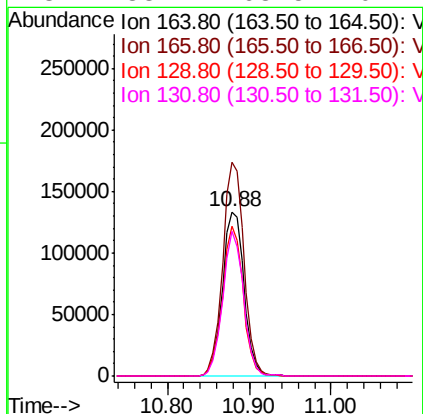
Manual Integrations
APPROVED

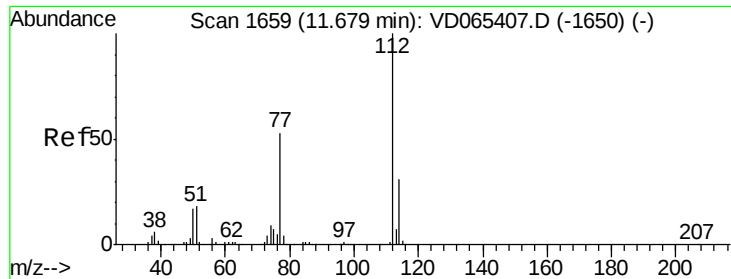
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#64
Tetrachloroethene
Concen: 57.089 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	100.5	150.7
129	91.3	71.5	107.3
131	88.4	68.5	102.7





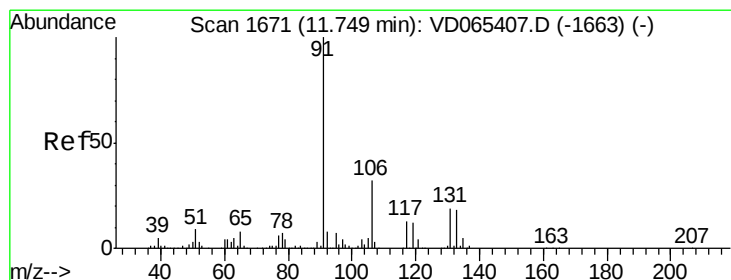
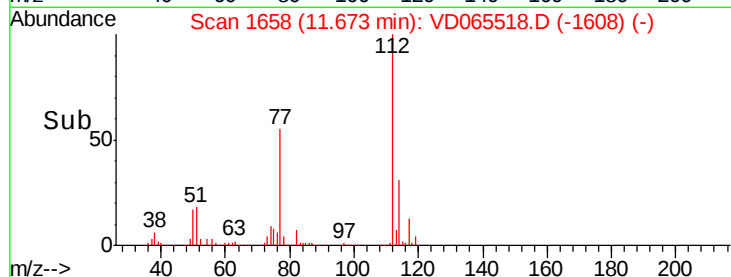
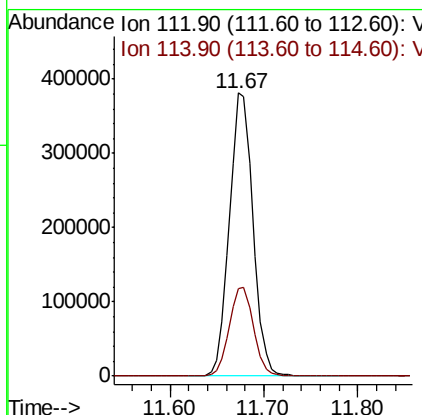
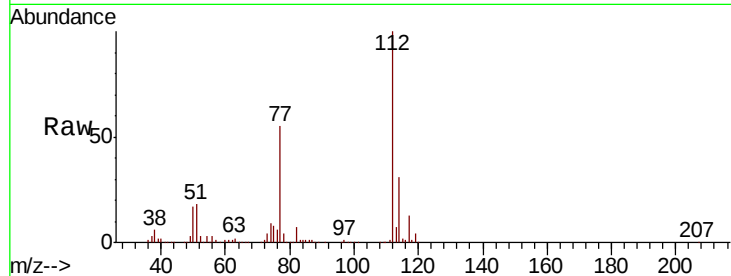
#65
Chlorobenzene
Concen: 55.858 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	24.4	36.6

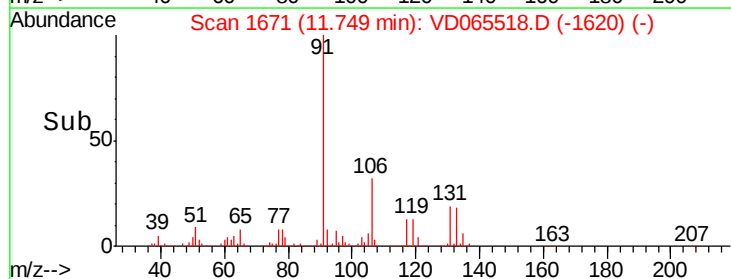
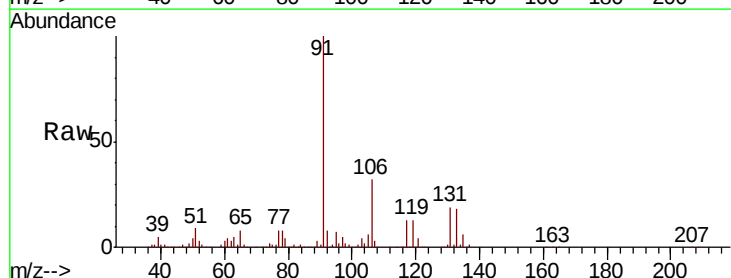
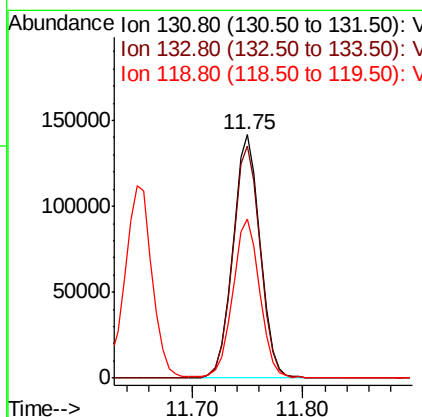
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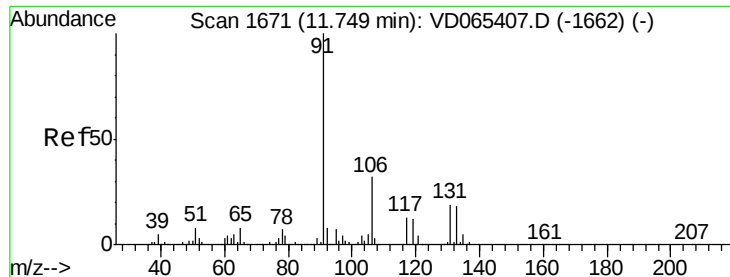
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.570 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	49.2	147.6
119	65.1	33.3	99.8





#67

Ethyl Benzene

Concen: 57.769 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1188756

Ion Ratio Lower Upper

91 100

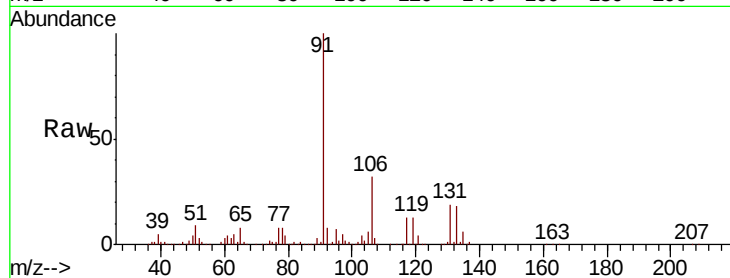
106 32.0 25.2 37.8

Manual Integrations

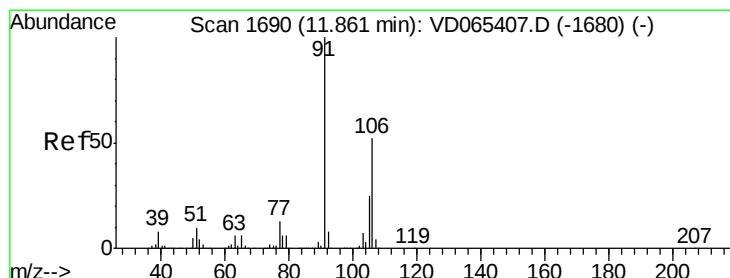
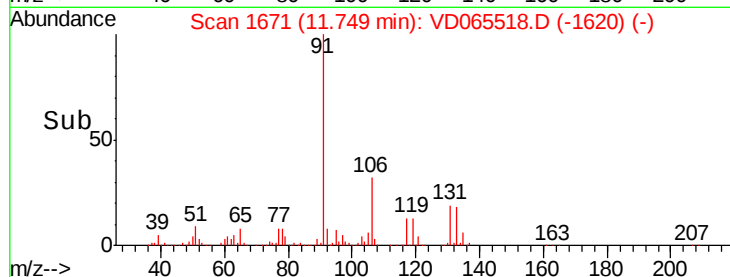
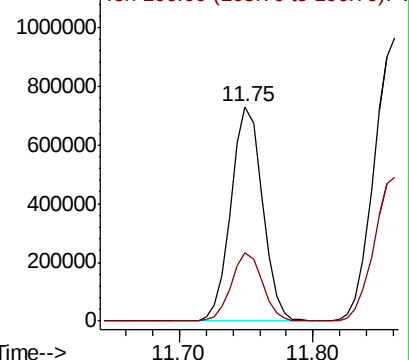
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Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1662) (-)



#68

m/p-Xylenes

Concen: 116.420 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065518.D

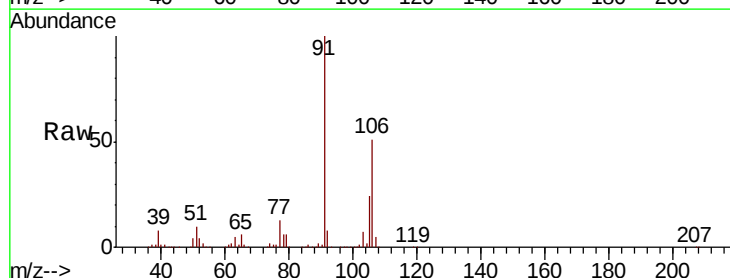
Acq: 24 Mar 2020 13:45

Tgt Ion: 106 Resp: 923743

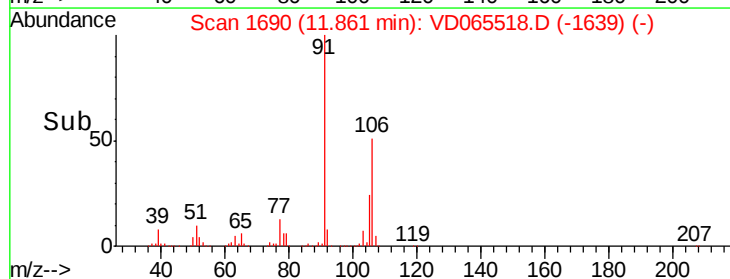
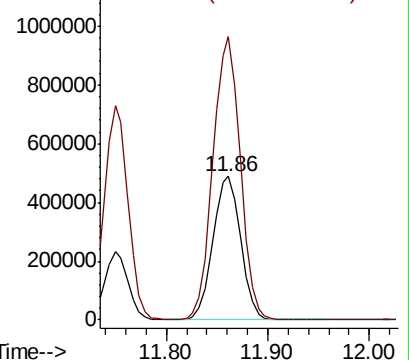
Ion Ratio Lower Upper

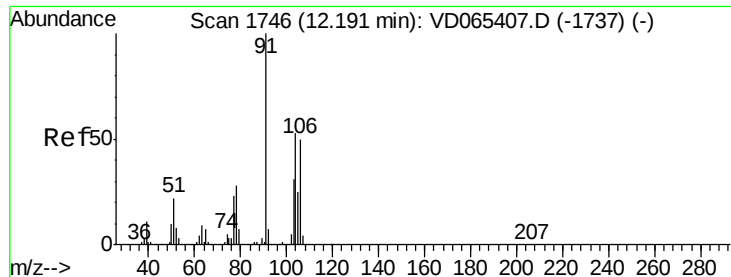
106 100

91 195.3 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): VD065407.D (-1680) (-)





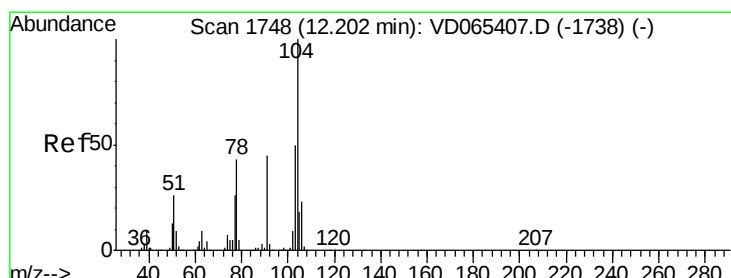
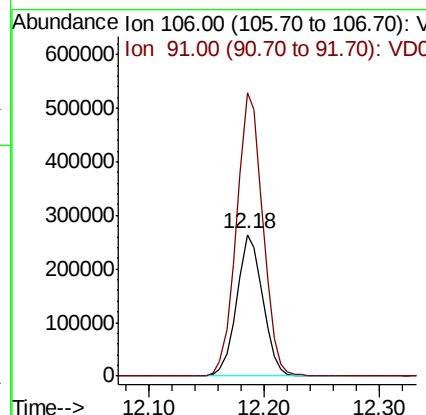
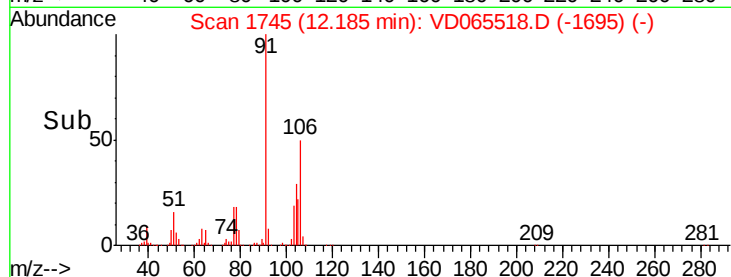
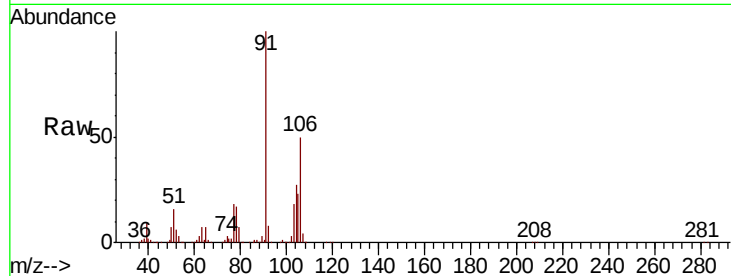
#69
o-Xylene
Concen: 58.922 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	203.5	103.5	310.3	

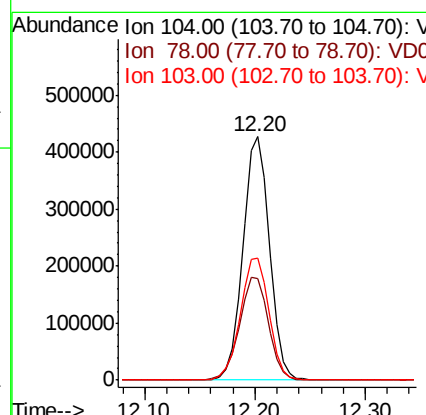
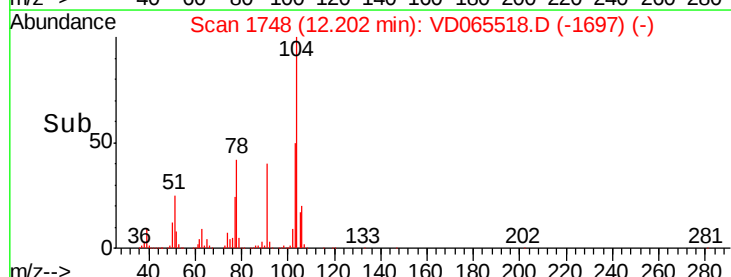
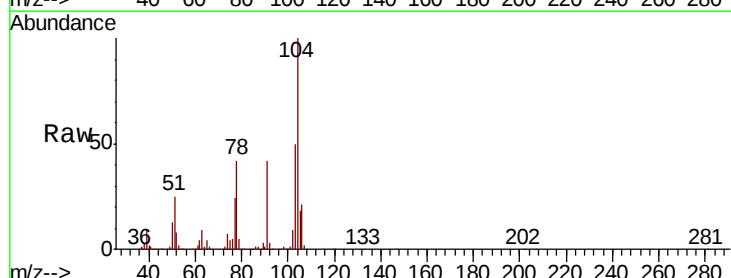
Manual Integrations
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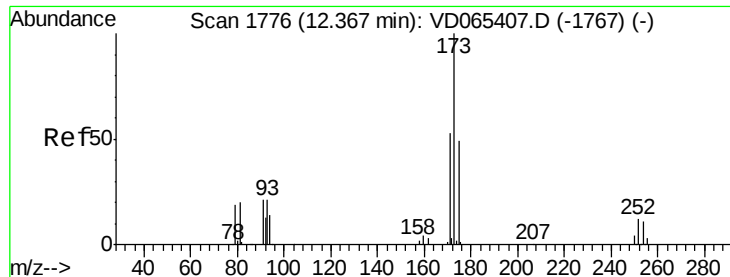
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#70
Styrene
Concen: 58.832 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	46.0	37.7	56.5	
103	54.3	43.6	65.4	





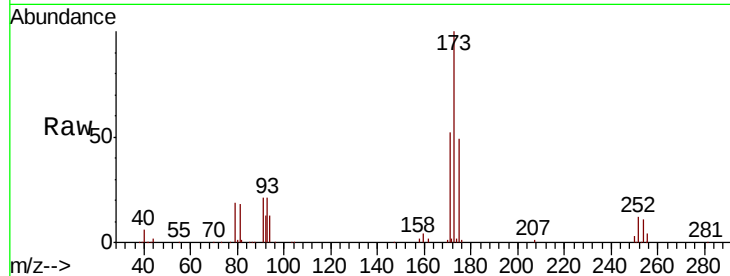
#71
Bromoform
Concen: 55.894 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	73.0
254	0.1	0.1	0.1

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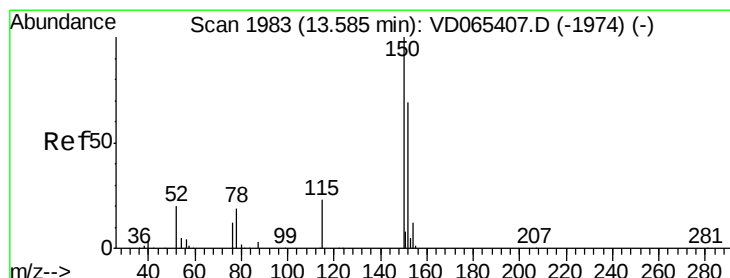
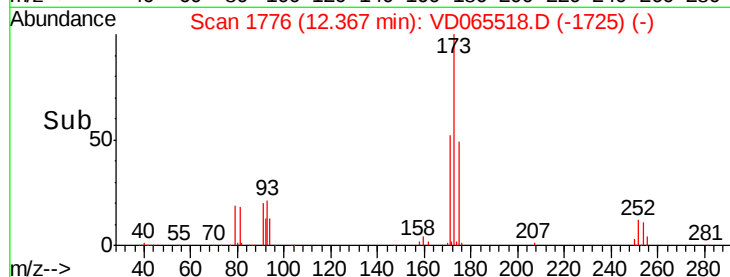
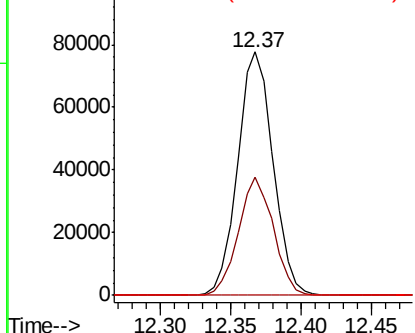


Abundance

Ion 172.70 (172.40 to 173.40): V

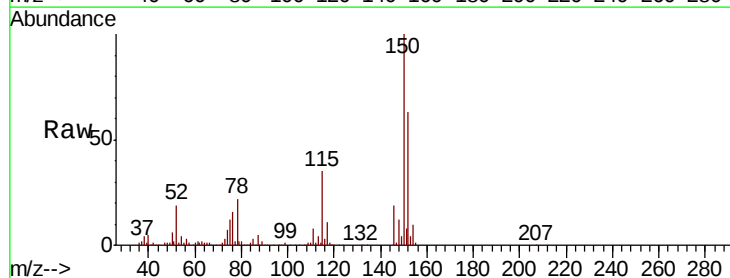
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.6	82.8
150	173.5	0.0	345.0

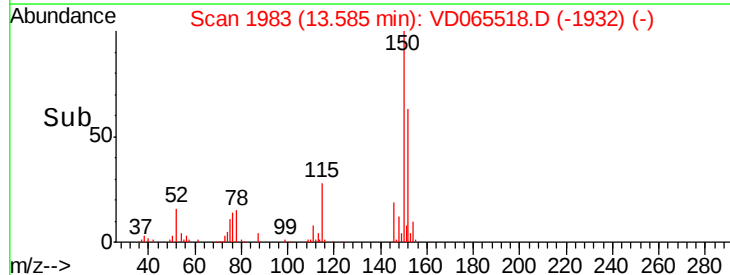
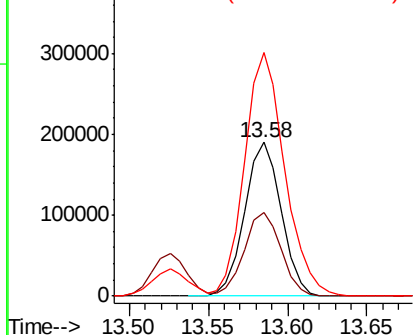


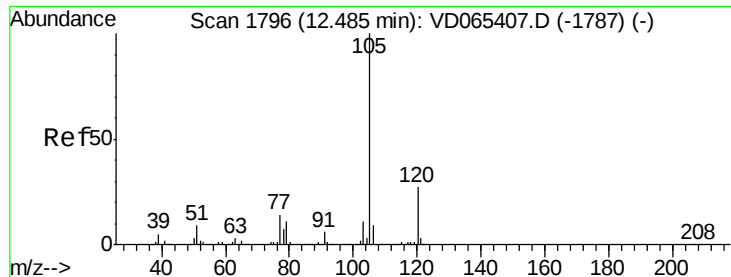
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





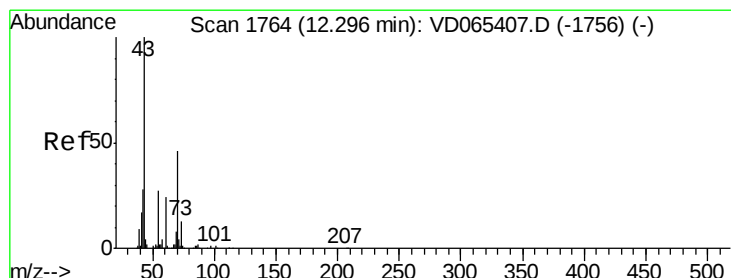
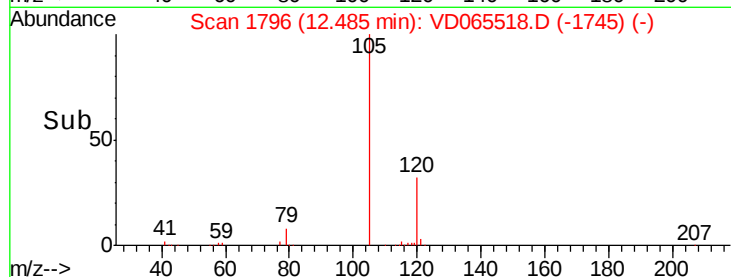
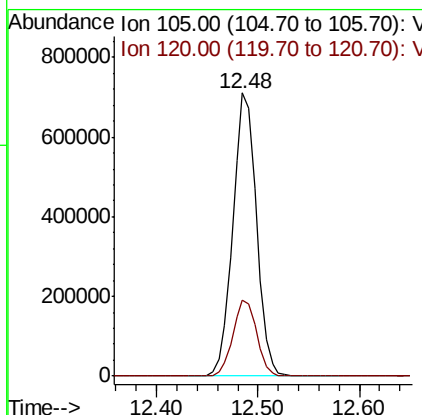
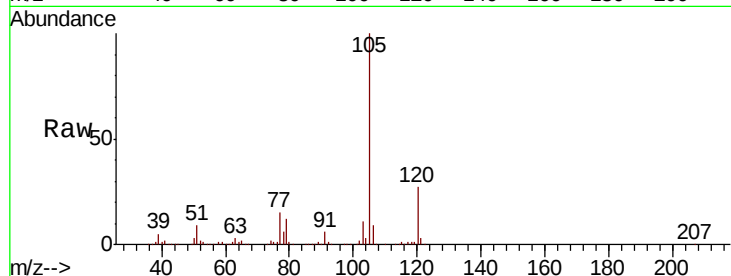
#73
Isopropylbenzene
Concen: 57.103 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1145214
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.4

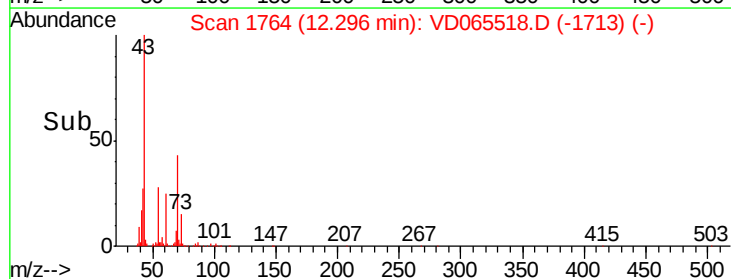
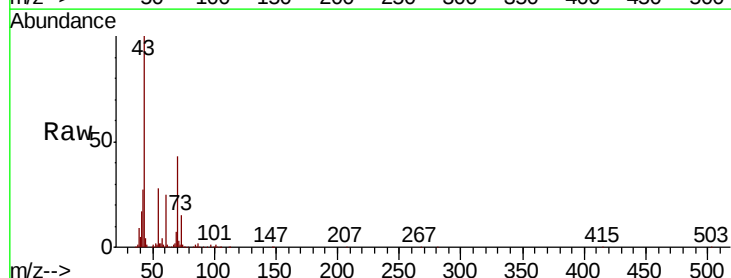
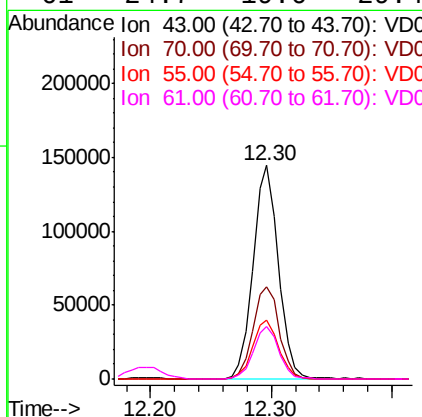
Manual Integrations
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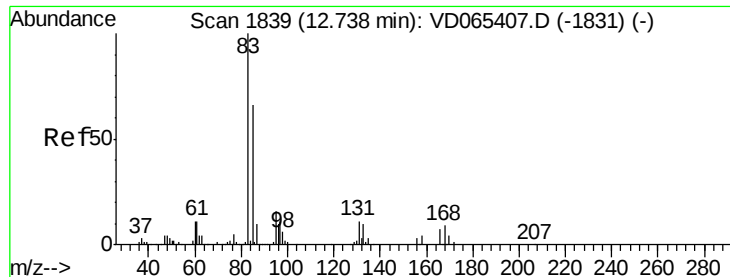
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#74
N-ethyl acetate
Concen: 51.665 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion: 43 Resp: 212128
Ion Ratio Lower Upper
43 100
70 44.9 36.1 54.1
55 28.4 21.6 32.4
61 24.7 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.662 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

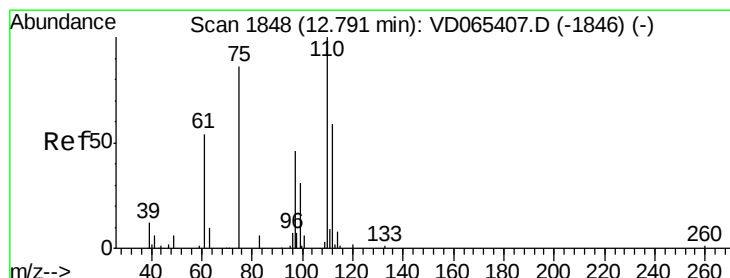
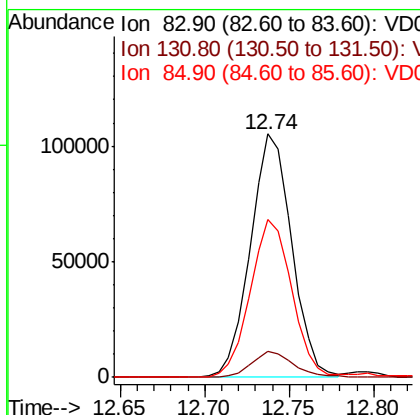
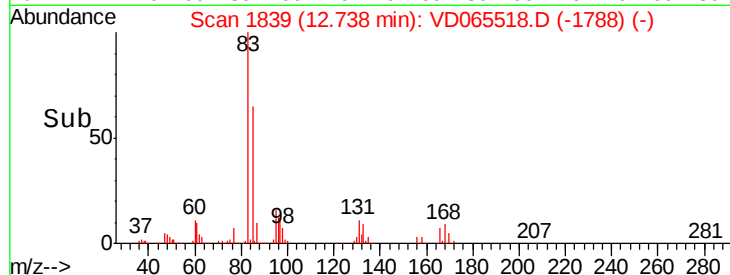
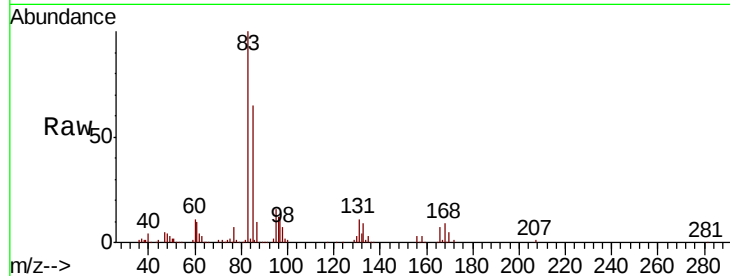
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	178599
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	65.3	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.888 ug/l m

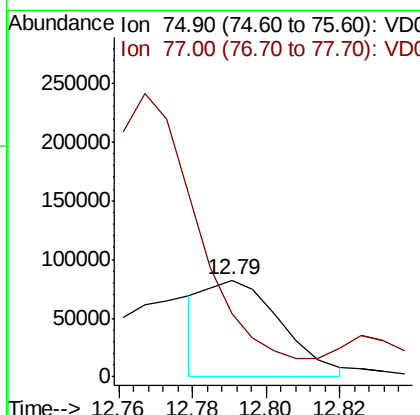
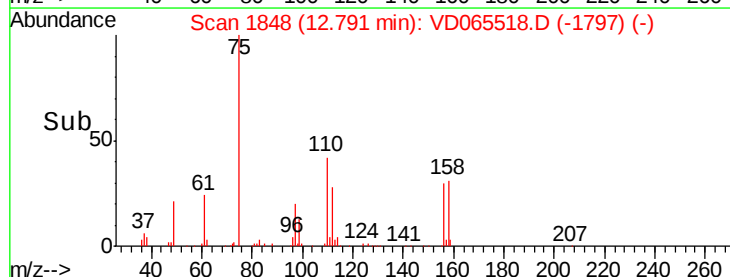
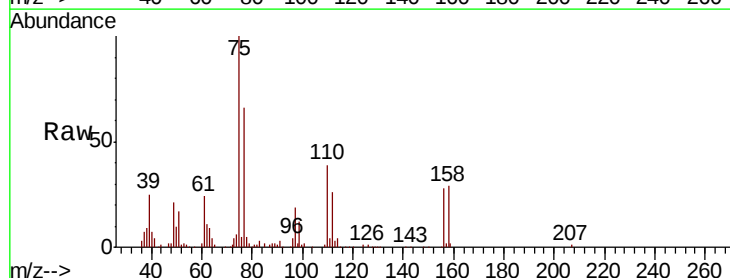
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Tgt Ion:	75	Resp:	120029
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.555 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 271836

Ion Ratio Lower Upper

156 100

77 165.0 84.9 254.6

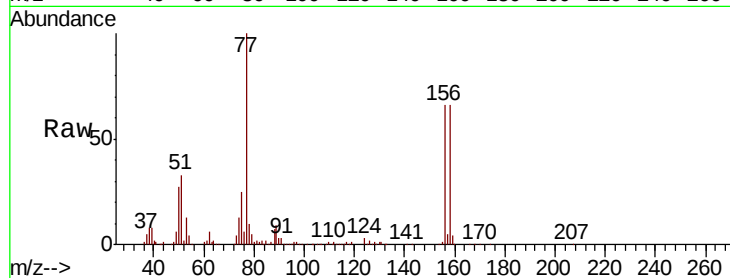
158 97.6 49.0 147.2

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V

300000

250000

200000

150000

100000

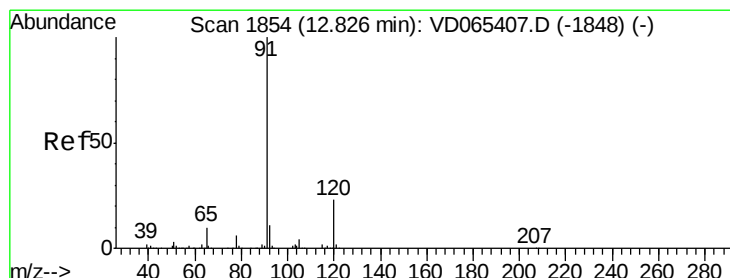
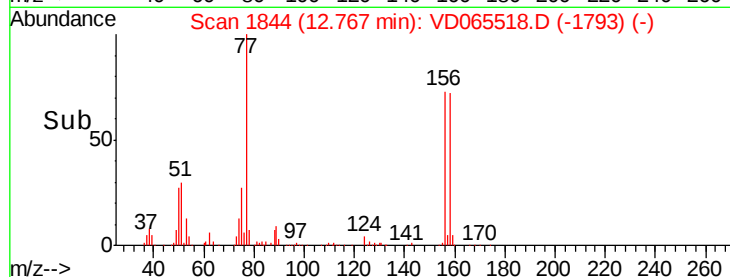
50000

0

12.70

12.80

Time-->



#78

n-propylbenzene

Concen: 57.566 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065518.D

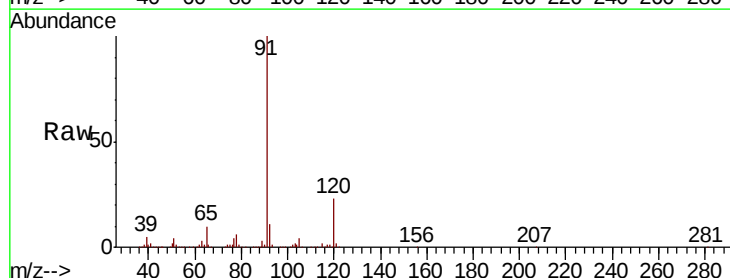
Acq: 24 Mar 2020 13:45

Tgt Ion: 91 Resp: 1369837

Ion Ratio Lower Upper

91 100

120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

1000000

800000

600000

400000

200000

0

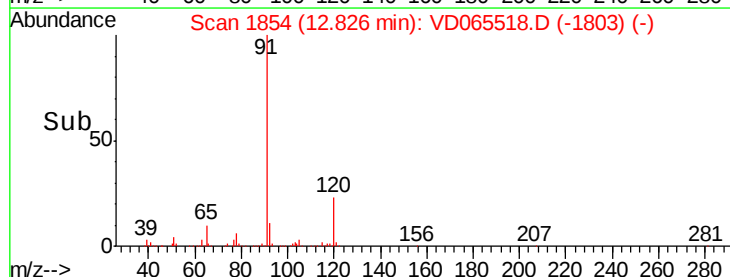
12.75

12.80

12.85

12.90

Time-->





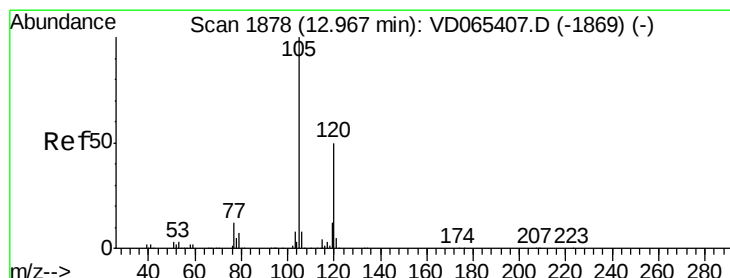
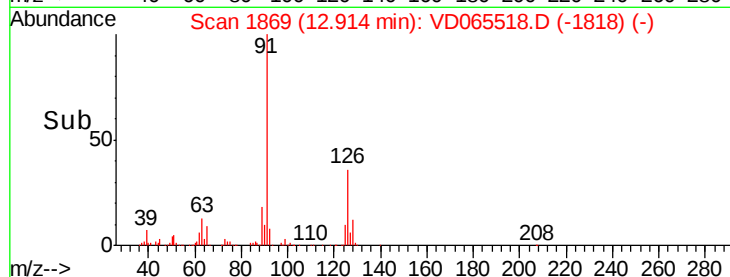
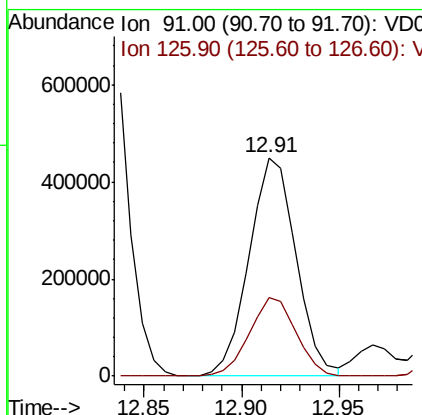
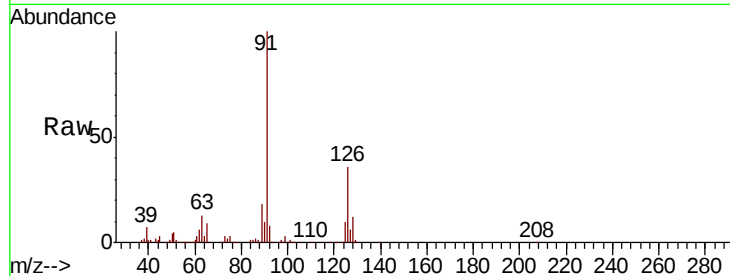
#79
 2-Chlorotoluene
 Concen: 55.814 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 748522
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.9 53.8

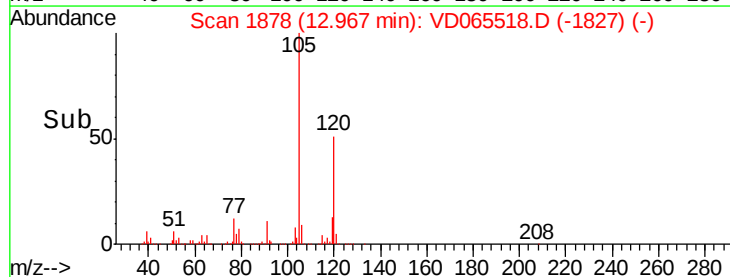
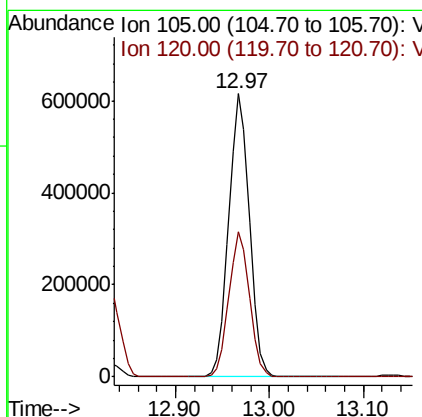
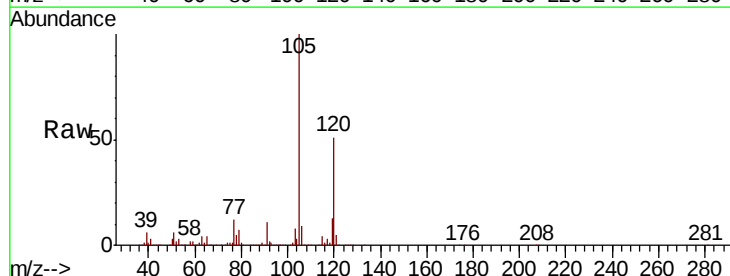
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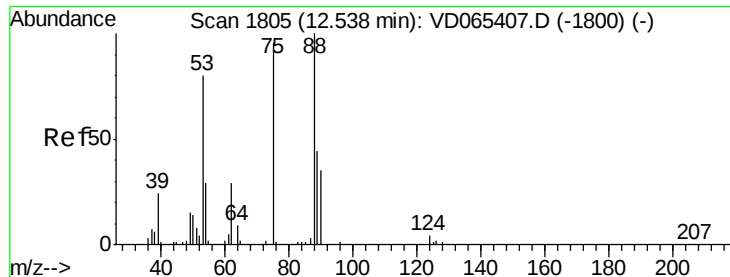
apatel
 3/25/2020 10:39:59 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 57.022 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Tgt Ion: 105 Resp: 940167
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.4 76.0





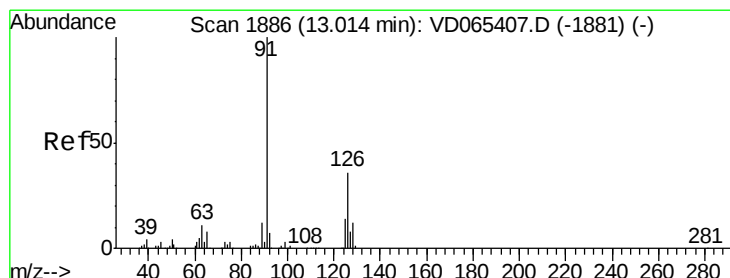
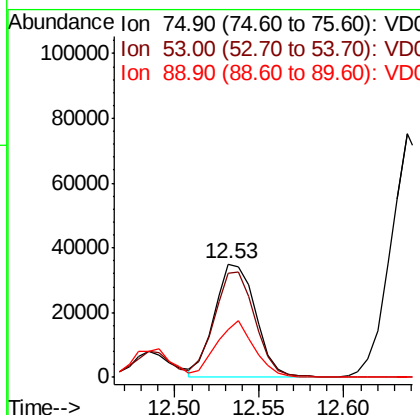
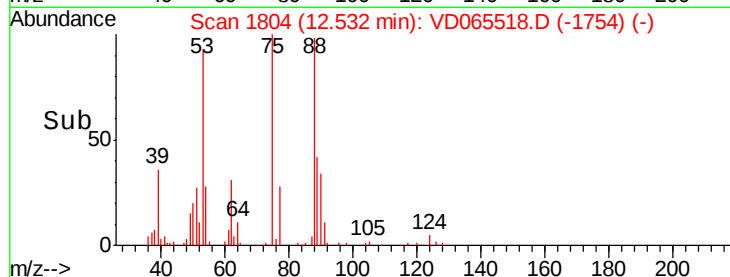
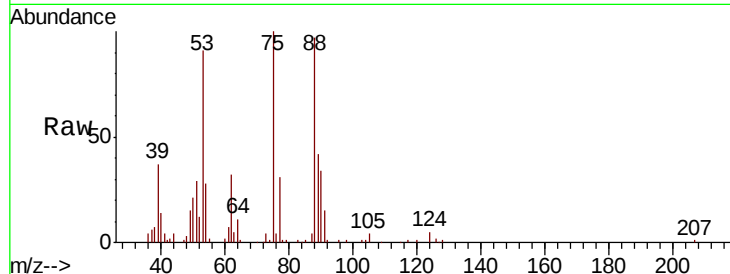
#81
trans-1,4-Dichloro-2-butene
Concen: 52.316 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.1	71.3	106.9
89	45.6	37.0	55.6

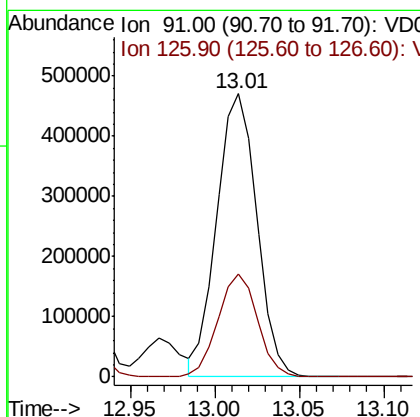
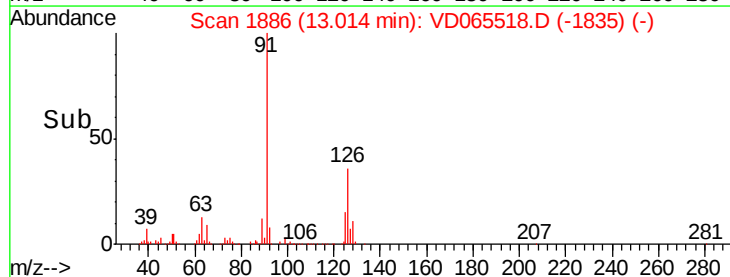
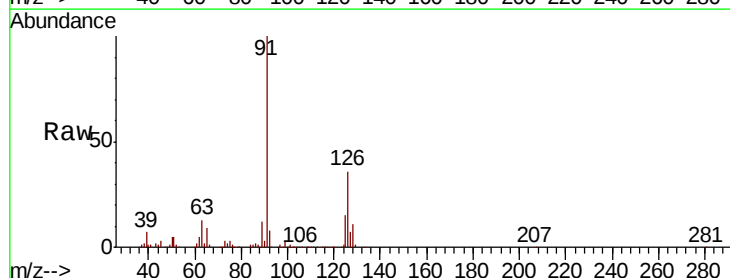
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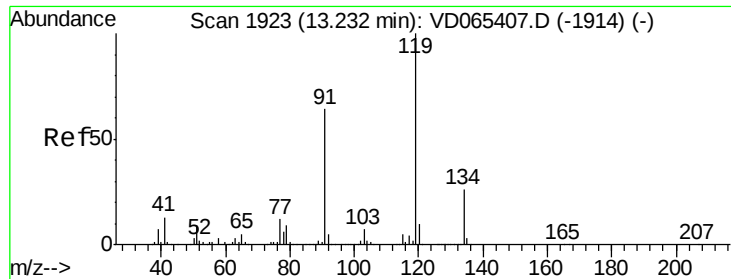
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#82
4-Chlorotoluene
Concen: 55.107 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.6	52.8





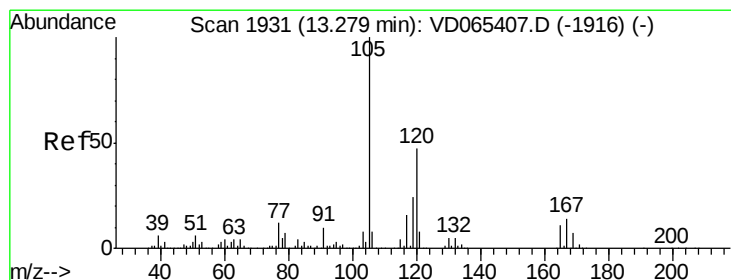
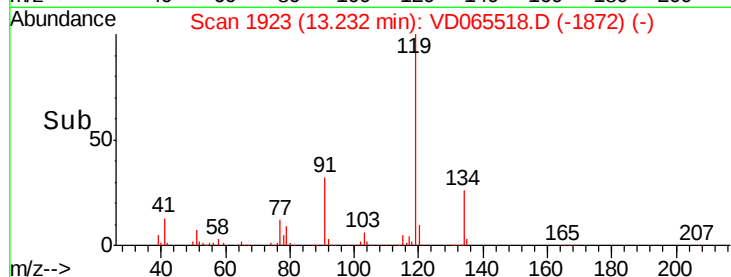
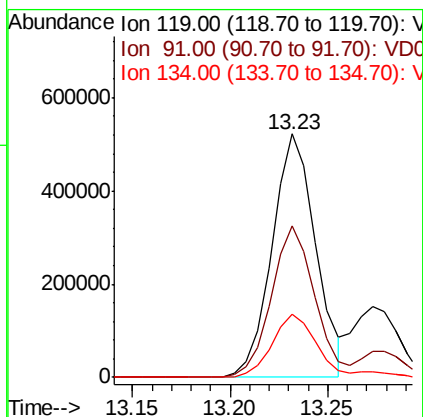
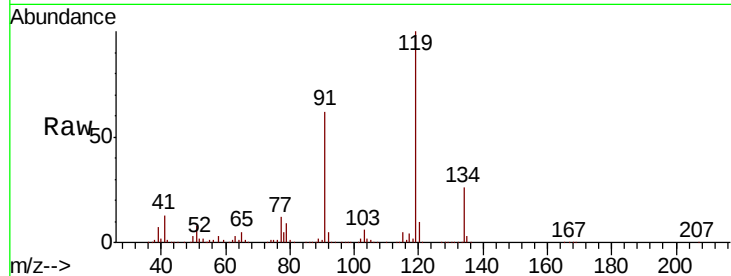
#83
tert-Butylbenzene
Concen: 57.876 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	31.6	95.0
134	27.9	14.2	42.8

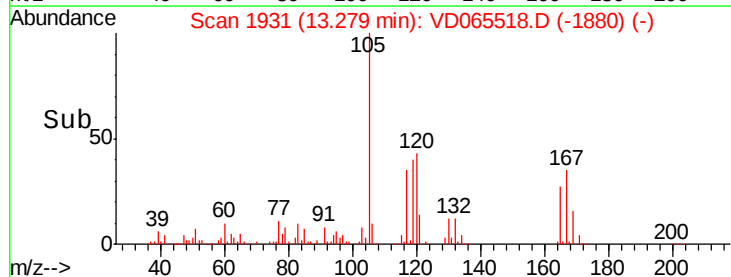
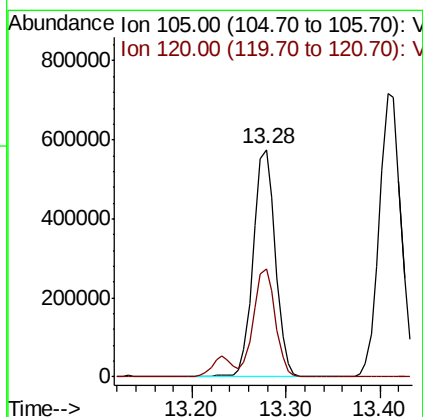
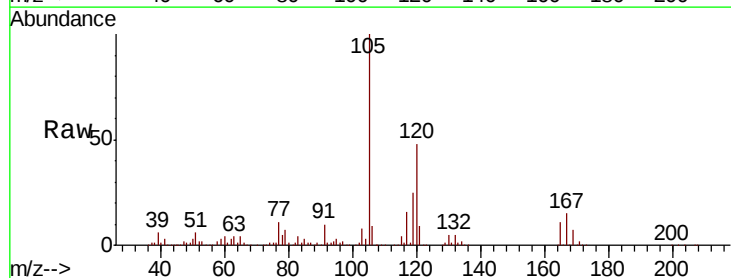
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#84
1,2,4-Trimethylbenzene
Concen: 57.778 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.3





#85

sec-Butylbenzene

Concen: 57.721 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1149263

Ion Ratio Lower Upper

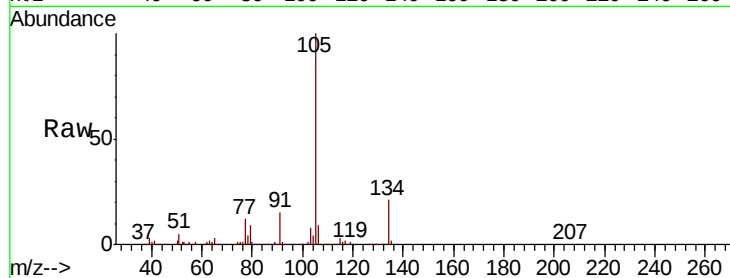
105 100

134 20.9 10.3 30.9

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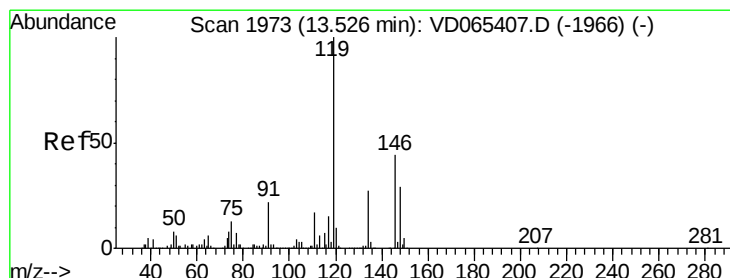
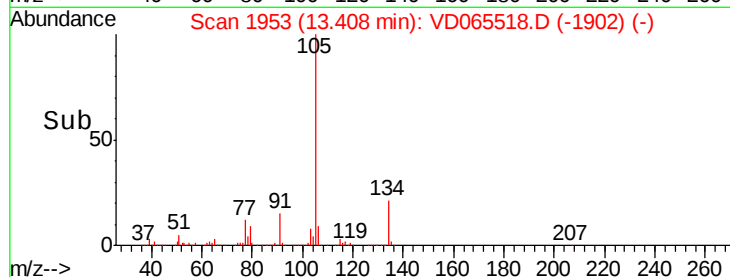
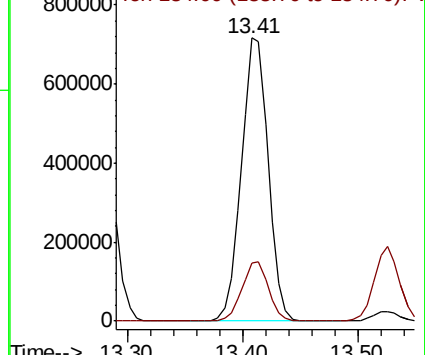
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.451 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

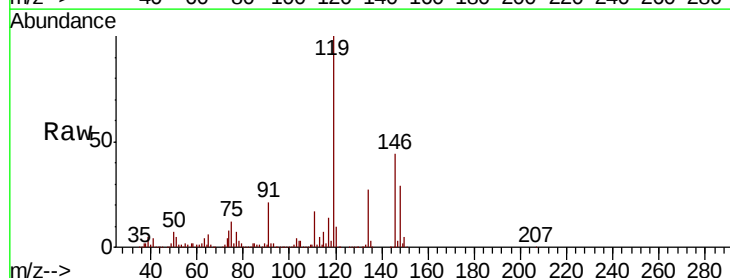
Tgt Ion:119 Resp: 1061966

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

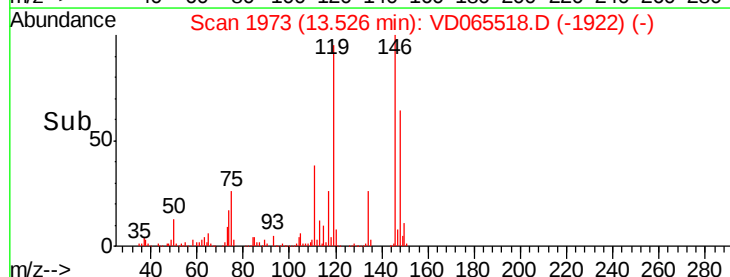
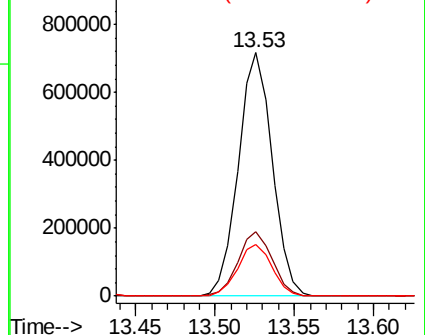
91 21.8 10.9 32.6

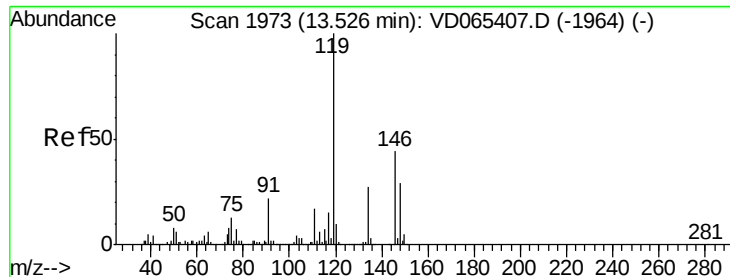


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





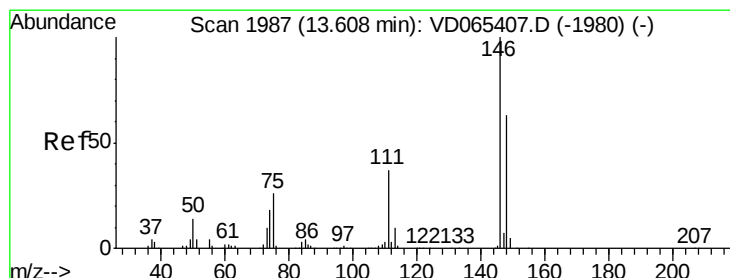
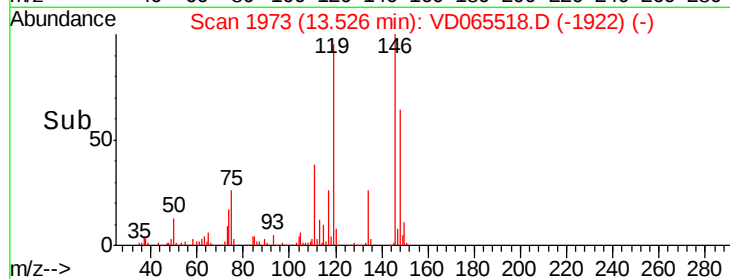
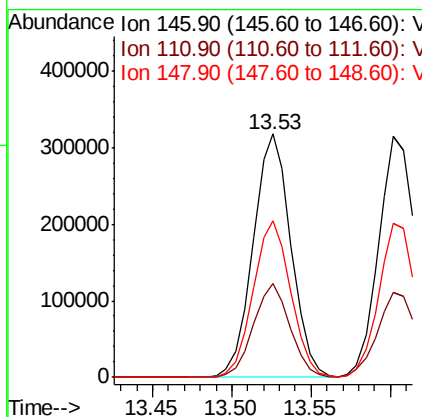
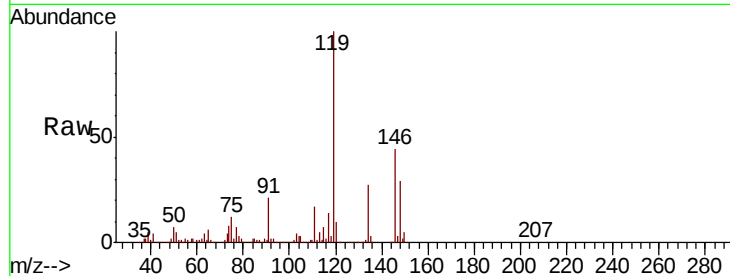
#87
 1,3-Dichlorobenzene
 Concen: 54.887 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.1
148	64.2	32.3	96.8

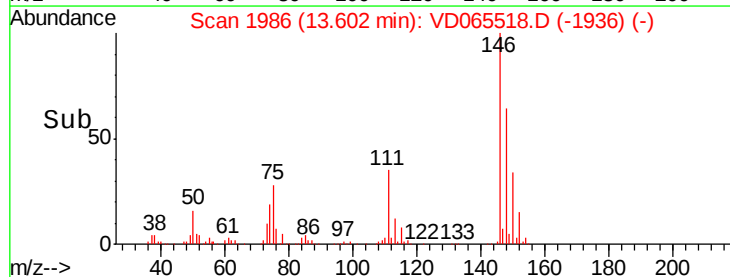
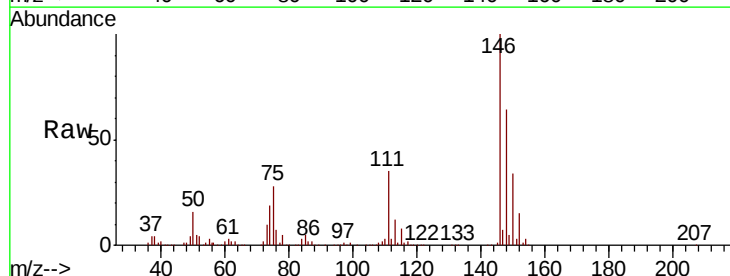
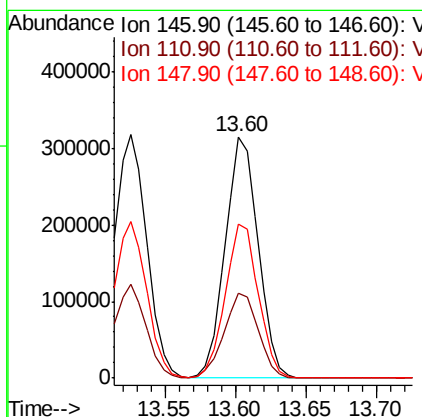
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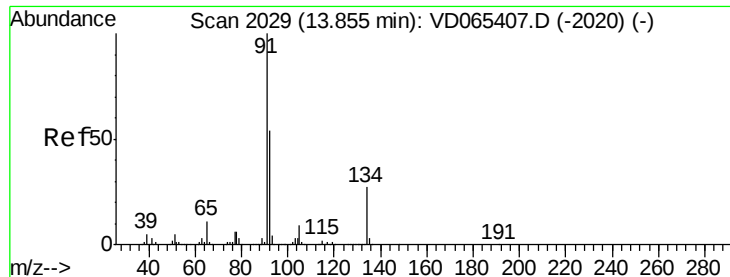
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#88
 1,4-Dichlorobenzene
 Concen: 53.843 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.5	55.5
148	64.0	32.0	96.0





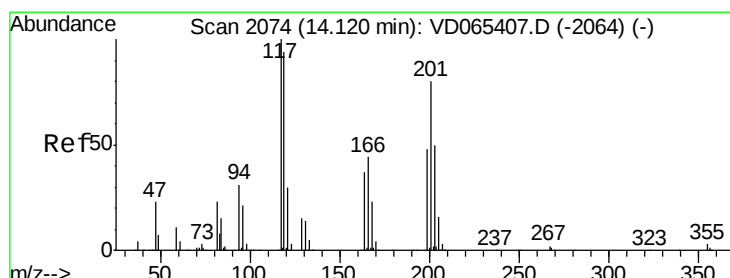
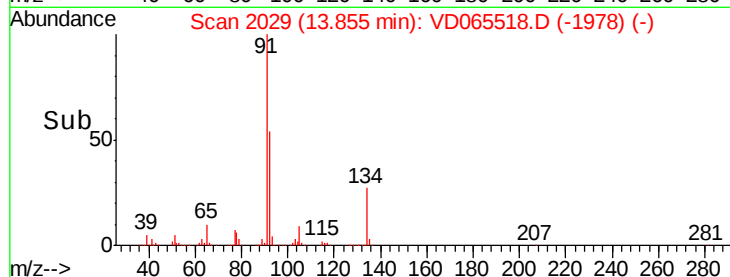
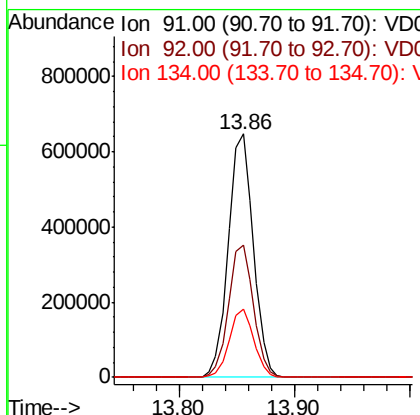
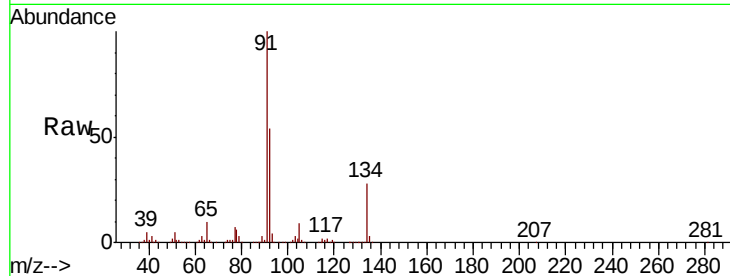
#89
n-Butylbenzene
Concen: 57.720 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.8	80.4
134	27.4	13.4	40.2

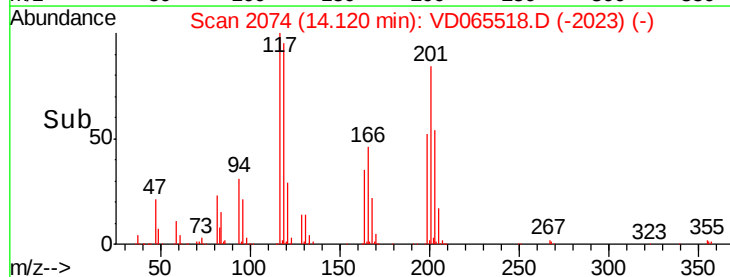
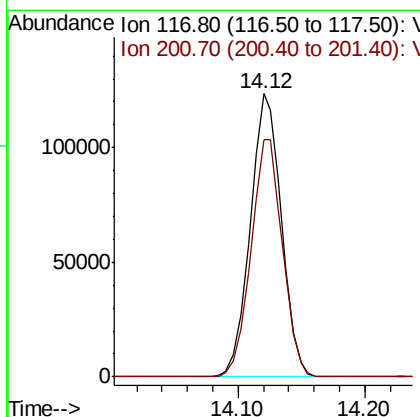
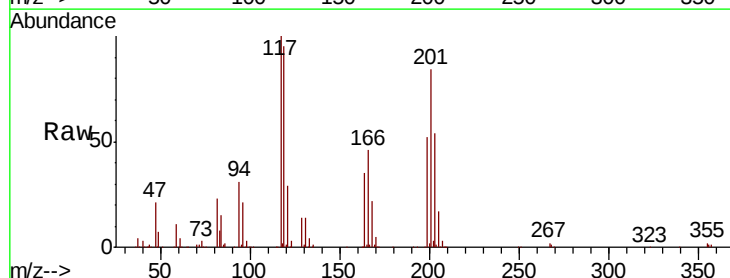
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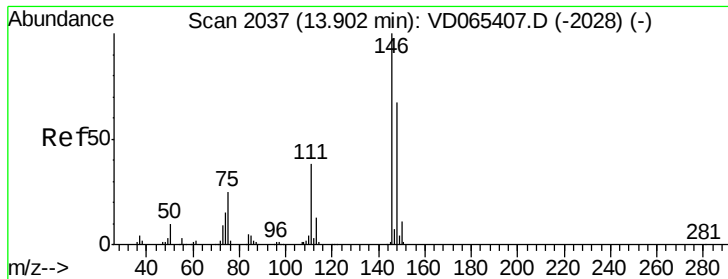
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#90
Hexachloroethane
Concen: 56.220 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.0	41.9	125.6





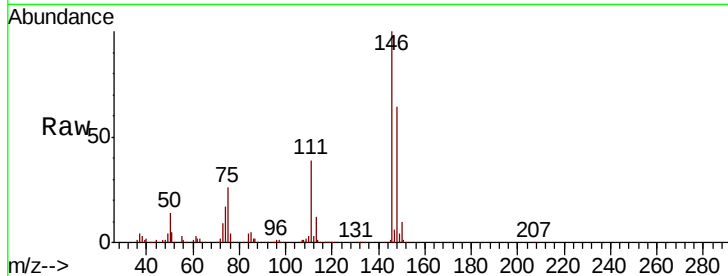
#91
 1,2-Dichlorobenzene
 Concen: 55.289 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

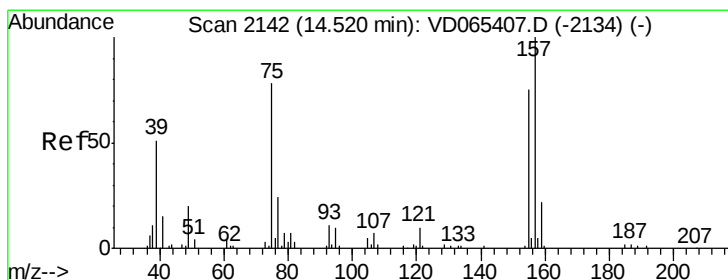
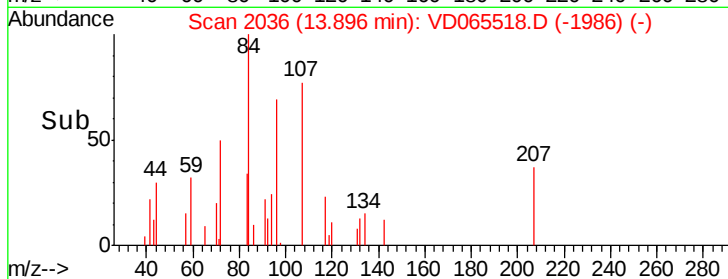
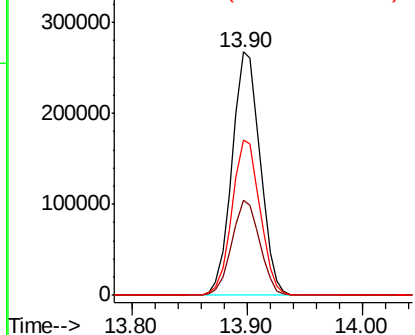
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.8	59.3
148	63.8	32.6	97.8

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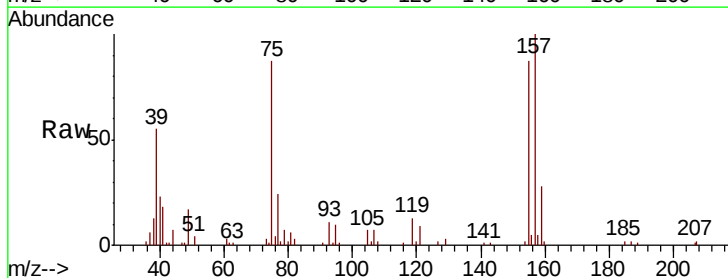


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

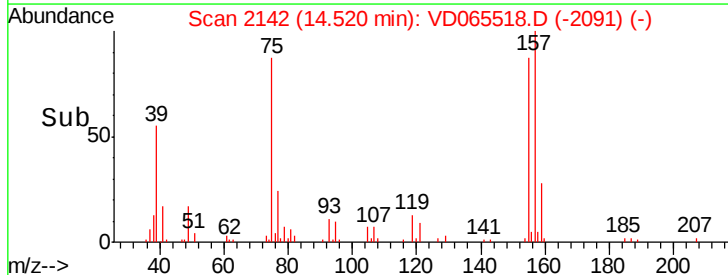
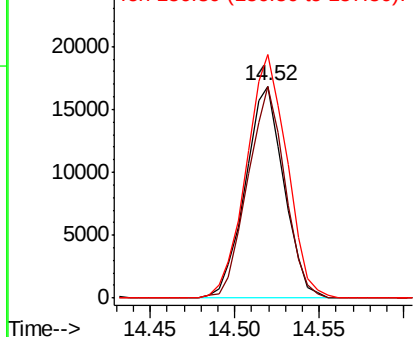


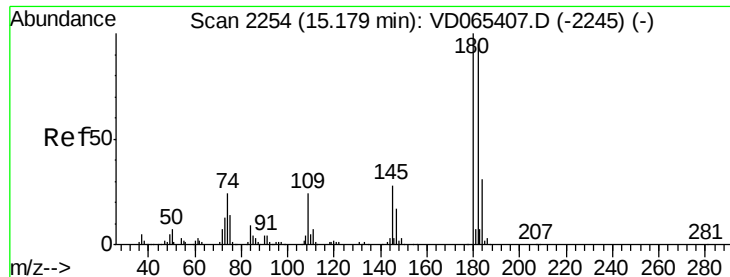
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.057 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	46.4	139.1
157	120.5	60.2	180.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





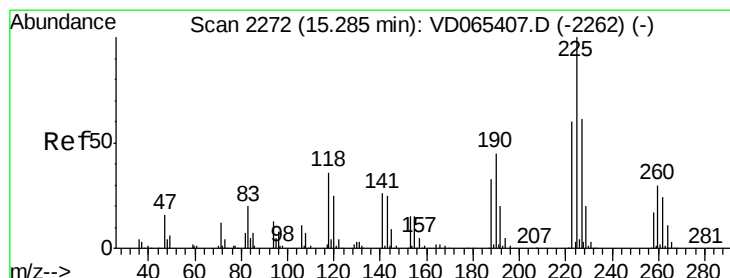
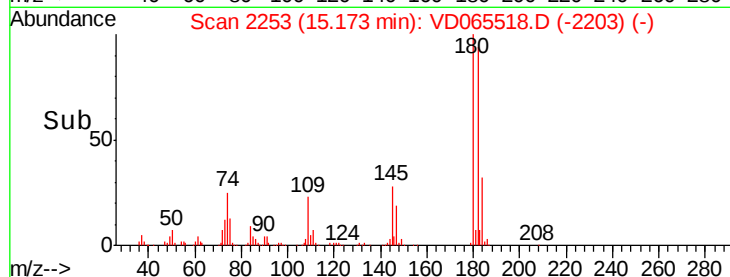
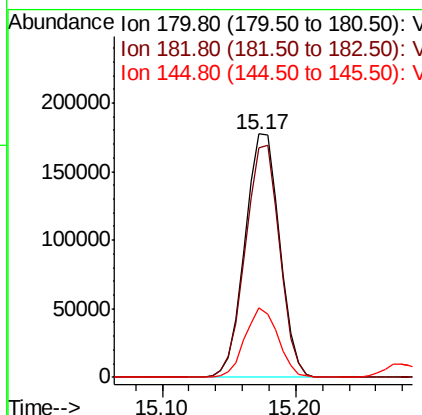
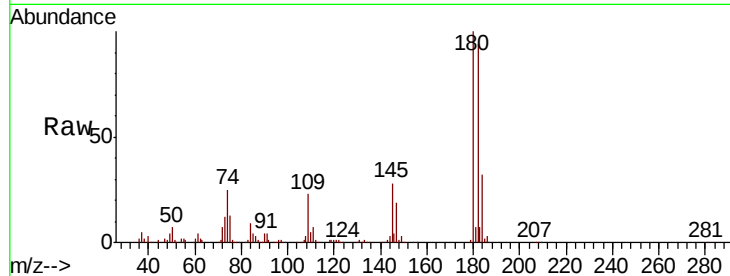
#93
1,2,4-Trichlorobenzene
Concen: 57.619 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. -0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	318367		
182	94.4	48.3	144.9	
145	27.4	14.4	43.4	

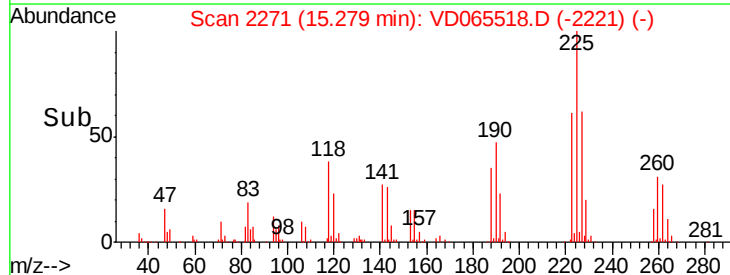
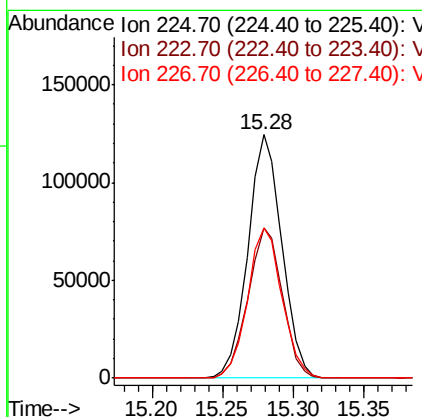
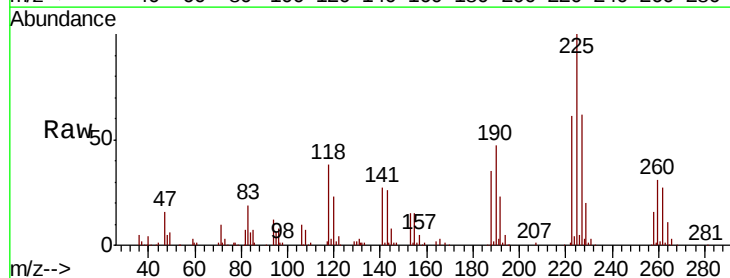
Manual Integrations
APPROVED

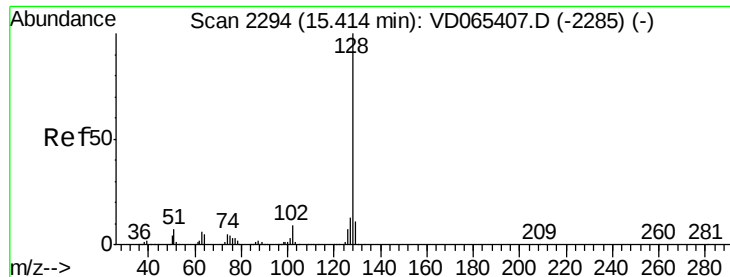
apatel
3/25/2020 10:39:59 AM



#94
Hexachlorobutadiene
Concen: 57.834 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. -0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	209968		
223	62.4	30.9	92.5	
227	62.5	31.6	94.7	





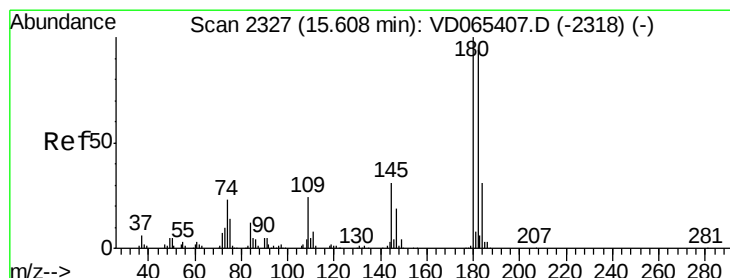
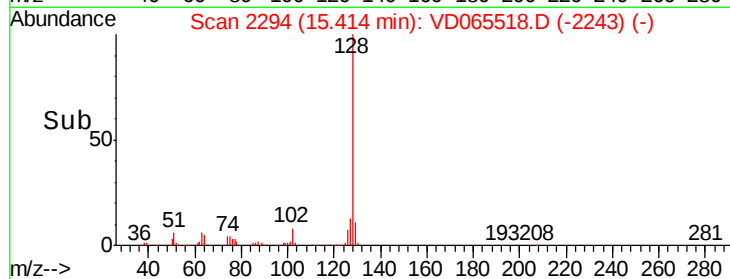
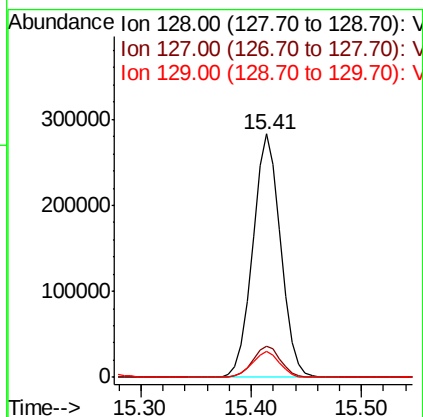
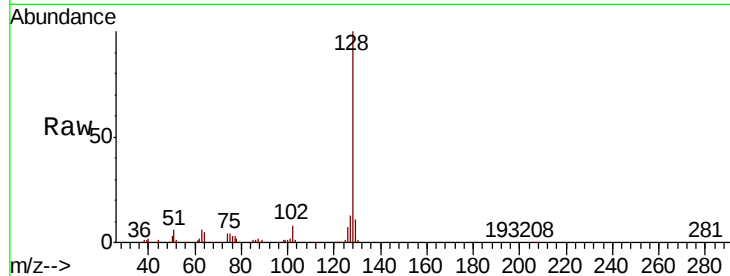
#95
Naphthalene
Concen: 50.622 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.5	8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 56.868 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.9	140.6
145	30.3	15.0	45.1

