

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051520\
 Data File : VD065748.D
 Acq On : 15 May 2020 13:14
 Operator : VA/SY
 Sample : VD0515SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Quant Time: May 15 19:28:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 14:28:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	322849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	489249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	439864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	216922	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	135657	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
35) Dibromofluoromethane	7.91	113	143354	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
50) Toluene-d8	10.34	98	540004	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.64	95	181371	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	40465	19.104	ug/l	97
3) Chloromethane	2.21	50	61385	20.220	ug/l	99
4) Vinyl Chloride	2.35	62	68029	20.696	ug/l	98
5) Bromomethane	2.76	94	45503	20.951	ug/l	89
6) Chloroethane	2.92	64	47152	22.115	ug/l	99
7) Trichlorofluoromethane	3.27	101	93975	20.680	ug/l	94
8) Diethyl Ether	3.71	74	27084	20.742	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	58119	20.807	ug/l	99
10) Methyl Iodide	4.30	142	53071	18.188	ug/l	100
11) Tert butyl alcohol	5.21	59	23039	68.937	ug/l	96
12) 1,1-Dichloroethene	4.07	96	54530	20.583	ug/l	91
13) Acrolein	3.93	56	17618	112.566	ug/l	98
14) Allyl chloride	4.71	41	91430	19.960	ug/l	96
15) Acrylonitrile	5.43	53	60010	104.032	ug/l	99
16) Acetone	4.16	43	48848	91.535	ug/l	90
17) Carbon Disulfide	4.40	76	167981	20.075	ug/l	98
18) Methyl Acetate	4.71	43	28700	21.384	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	132532	21.442	ug/l	92
20) Methylene Chloride	4.96	84	64084	21.285	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	61925	20.301	ug/l	97
22) Diisopropyl ether	6.36	45	187068	21.450	ug/l #	91
23) Vinyl Acetate	6.30	43	529202	103.169	ug/l	100
24) 1,1-Dichloroethane	6.26	63	107331	21.020	ug/l	99
25) 2-Butanone	7.21	43	77371	101.425	ug/l	98
26) 2,2-Dichloropropane	7.21	77	97670	20.609	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	69453	20.777	ug/l	99
28) Bromochloromethane	7.55	49	41496	19.766	ug/l	99
29) Tetrahydrofuran	7.56	42	49900	103.172	ug/l	100
30) Chloroform	7.71	83	111524	21.611	ug/l	100
31) Cyclohexane	7.98	56	106550	20.614	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	101221	20.939	ug/l	100
36) 1,1-Dichloropropene	8.11	75	88926	20.930	ug/l	98
37) Ethyl Acetate	7.30	43	36123	19.845	ug/l	98
38) Carbon Tetrachloride	8.10	117	94481	20.966	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	111227	20.427	ug/l	98
40) Benzene	8.35	78	243604	20.850	ug/l	99
41) Methacrylonitrile	7.53	41	17885m	17.841	ug/l	
42) 1,2-Dichloroethane	8.43	62	71285	21.913	ug/l	100
43) Isopropyl Acetate	8.46	43	74730	20.714	ug/l	99
44) Trichloroethene	9.11	130	71618	20.475	ug/l	98
45) 1,2-Dichloropropane	9.39	63	61191	21.242	ug/l	97
46) Dibromomethane	9.48	93	31828	20.491	ug/l	98
47) Bromodichloromethane	9.67	83	85249	20.968	ug/l	96
48) Methyl methacrylate	9.46	41	36081	21.306	ug/l	98
49) 1,4-Dioxane	9.46	88	6953	379.378	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	176875	102.447	ug/l	100
52) Toluene	10.40	92	159841	20.883	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	83104	20.923	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	100216	21.212	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	45138	21.332	ug/l	94
56) Ethyl methacrylate	10.66	69	56249	20.395	ug/l #	94
57) 1,3-Dichloropropane	10.95	76	77712	21.115	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	131030	102.121	ug/l	100
59) 2-Hexanone	10.98	43	117474	99.918	ug/l	99
60) Dibromochloromethane	11.14	129	60664	21.409	ug/l	97
61) 1,2-Dibromoethane	11.25	107	43350	20.512	ug/l	99
64) Tetrachloroethene	10.88	164	61903	20.352	ug/l	97
65) Chlorobenzene	11.67	112	171140	20.647	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	64660	20.836	ug/l	98
67) Ethyl Benzene	11.75	91	310809	21.030	ug/l	97
68) m/p-Xylenes	11.86	106	233428	41.353	ug/l	99
69) o-Xylene	12.18	106	109266	20.793	ug/l	97
70) Styrene	12.20	104	187394	20.896	ug/l	99
71) Bromoform	12.37	173	35903	20.962	ug/l #	98
73) Isopropylbenzene	12.48	105	300497	20.634	ug/l	99
74) N-amyl acetate	12.30	43	68063	20.130	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	47573	20.640	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	30718m	18.975	ug/l	
77) Bromobenzene	12.77	156	73580	20.962	ug/l	96
78) n-propylbenzene	12.83	91	351068	20.637	ug/l	99
79) 2-Chlorotoluene	12.91	91	194583	20.673	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	243855	20.323	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	16200	19.632	ug/l	98
82) 4-Chlorotoluene	13.01	91	205625	20.721	ug/l	100
83) tert-Butylbenzene	13.23	119	213492	20.065	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	240179	20.296	ug/l	100
85) sec-Butylbenzene	13.41	105	299678	20.699	ug/l	100
86) p-Isopropyltoluene	13.53	119	273031	20.517	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	136257	20.696	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	135122	20.605	ug/l	97
89) n-Butylbenzene	13.85	91	254417	20.445	ug/l	99
90) Hexachloroethane	14.12	117	51562	19.805	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	118308	20.776	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	7580	19.666	ug/l	96

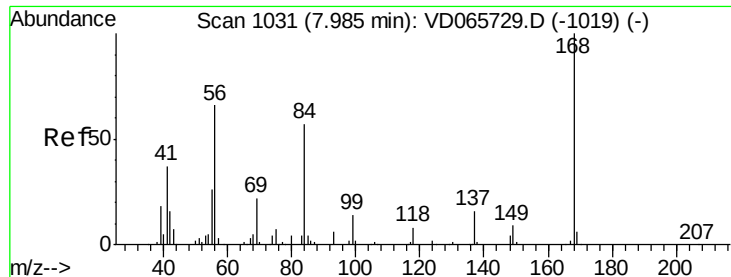
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051520\
Data File : VD065748.D
Acq On : 15 May 2020 13:14
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Sample : VD0515SBS01
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MSVOA_D
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Quant Time: May 15 19:28:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
Quant Title : SW846 8260
QLast Update : Wed May 13 14:28:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	86940	20.069	ug/l	97
94) Hexachlorobutadiene	15.28	225	51116	19.681	ug/l	98
95) Naphthalene	15.41	128	140672	19.523	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	73782	19.976	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

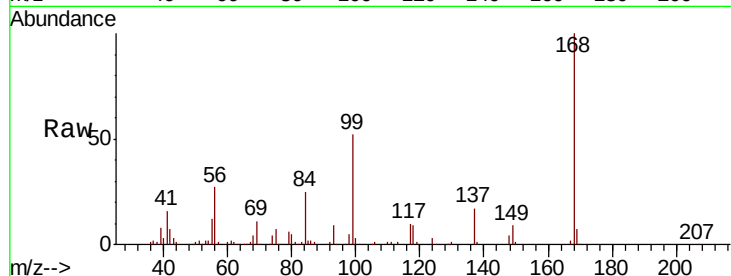
VD0515SBS01

Tot Ion:168 Resp: 322849

Ion Ratio Lower Upper

168 100

99 51.8 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

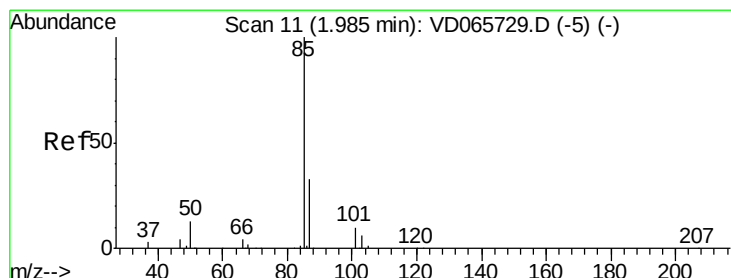
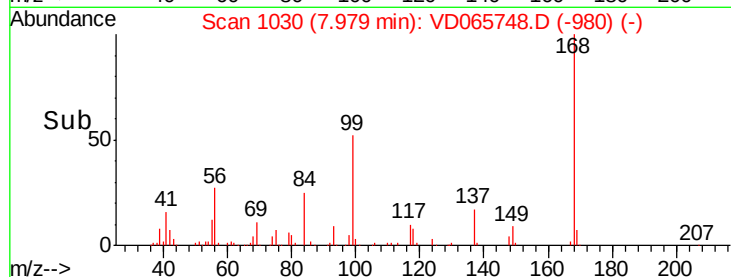
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.104 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065748.D

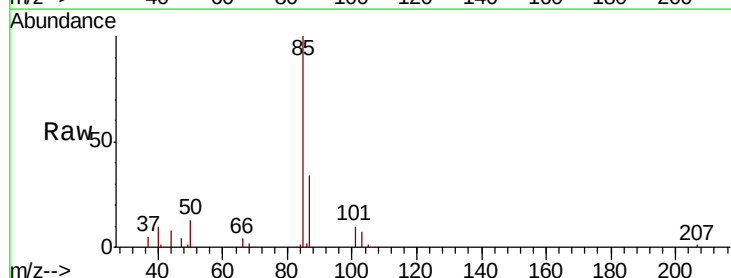
Acq: 15 May 2020 13:14

Tgt Ion: 85 Resp: 40465

Ion Ratio Lower Upper

85 100

87 34.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

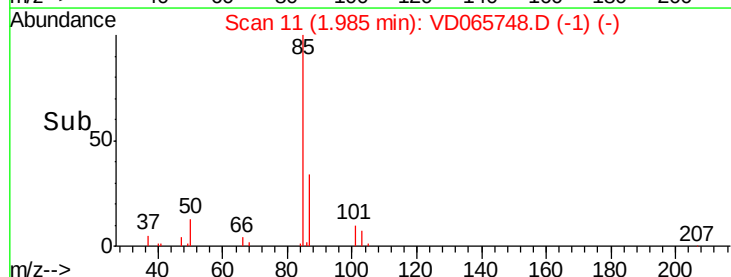
20000

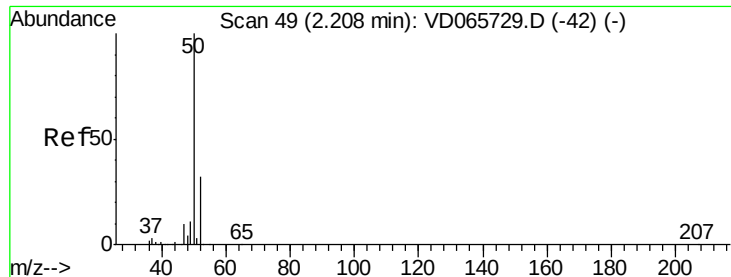
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0

1.90 1.95 2.00 2.05

Time-->

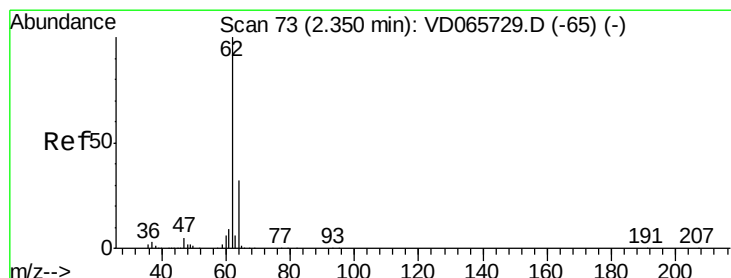
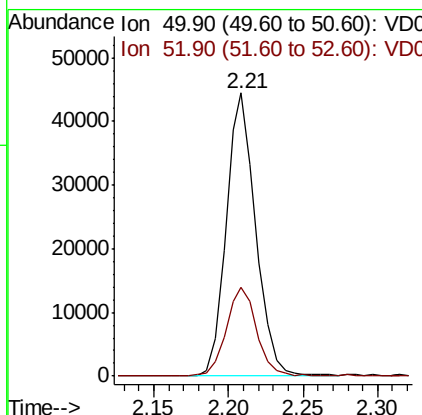
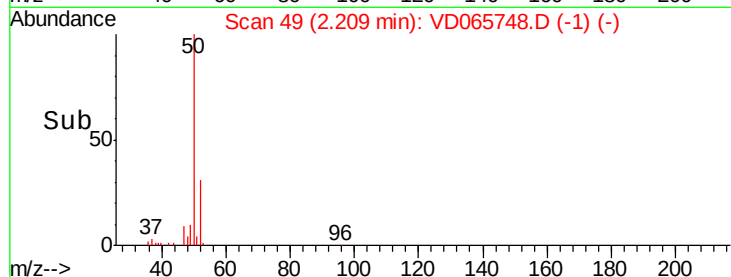
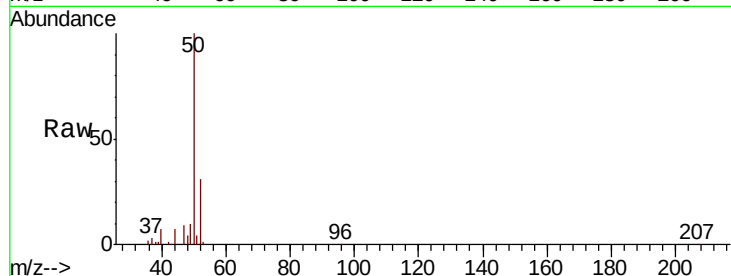




#3
Chloromethane
Concen: 20.220 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

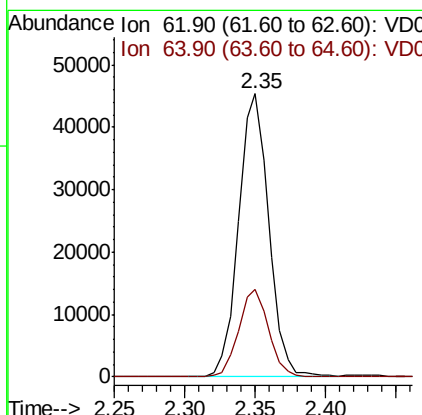
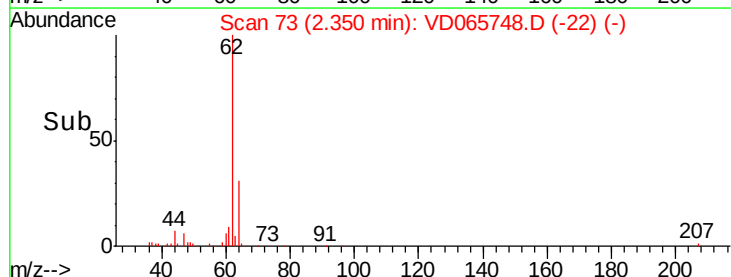
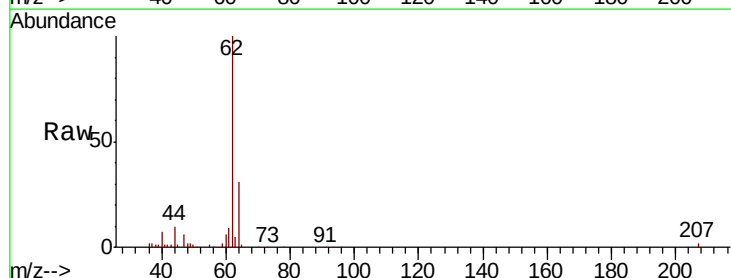
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

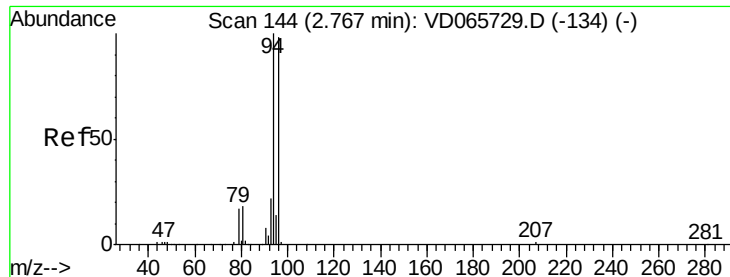
Tot Ion: 50 Resp: 61385
Ion Ratio Lower Upper
50 100
52 31.4 25.5 38.3



#4
Vinyl Chloride
Concen: 20.696 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

Tgt Ion: 62 Resp: 68029
Ion Ratio Lower Upper
62 100
64 31.0 25.8 38.6





#5

Bromomethane

Concen: 20.951 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

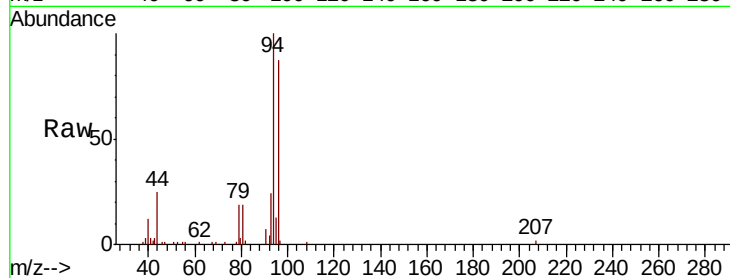
VD0515SBS01

Tot Ion: 94 Resp: 45503

Ion Ratio Lower Upper

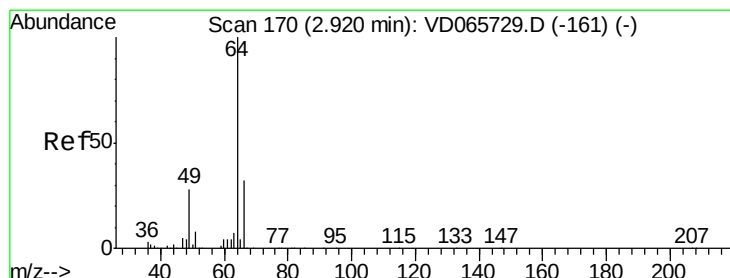
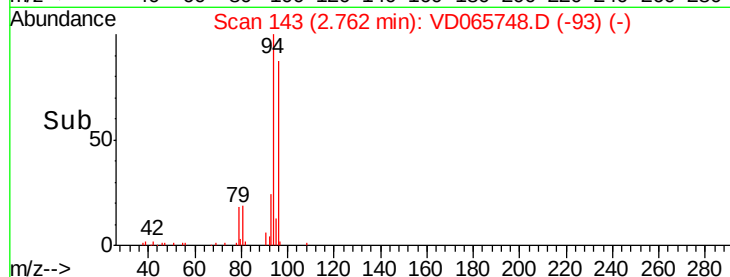
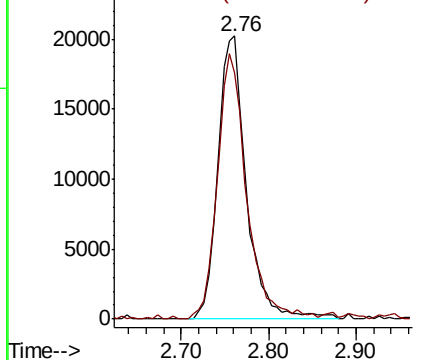
94 100

96 86.9 78.1 117.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.115 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065748.D

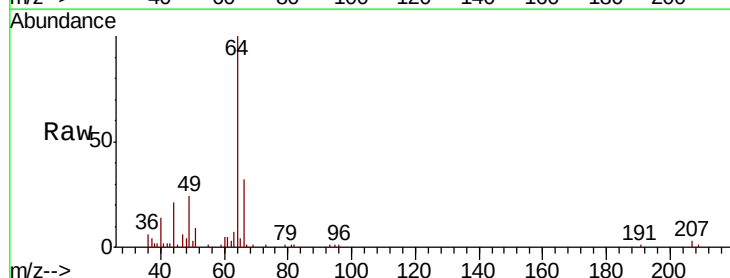
Acq: 15 May 2020 13:14

Tgt Ion: 64 Resp: 47152

Ion Ratio Lower Upper

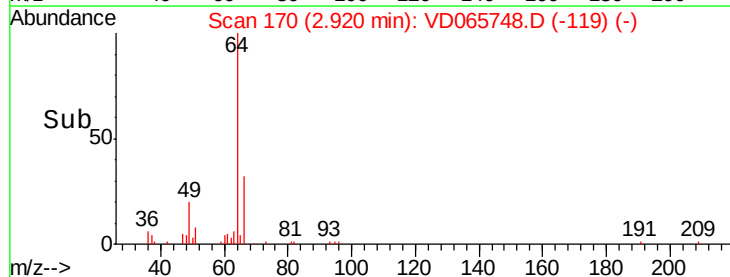
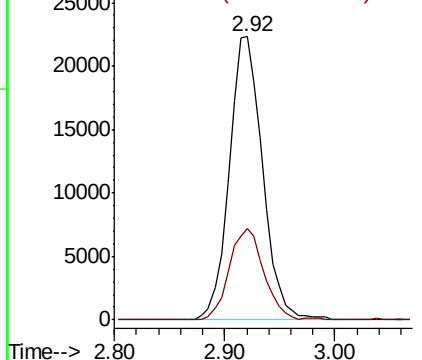
64 100

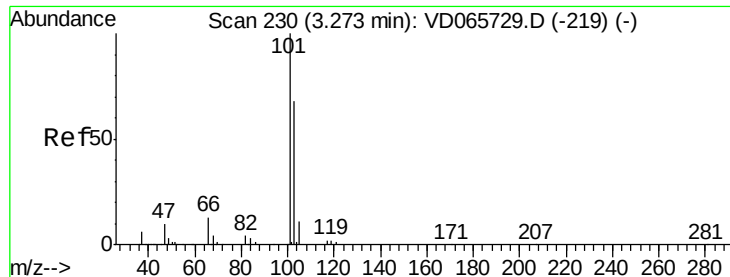
66 32.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



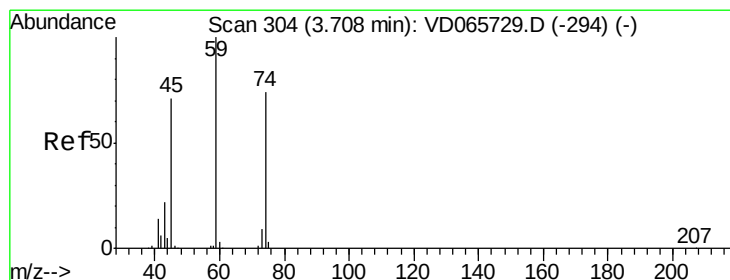
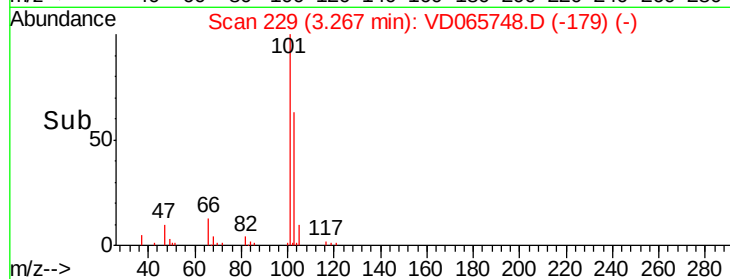
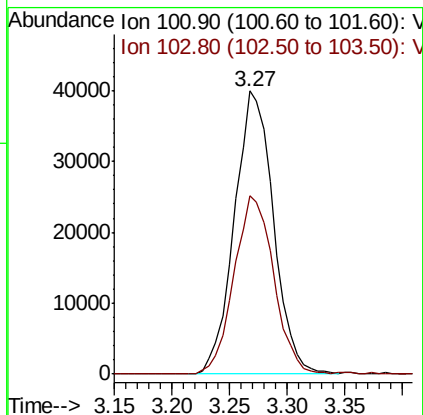
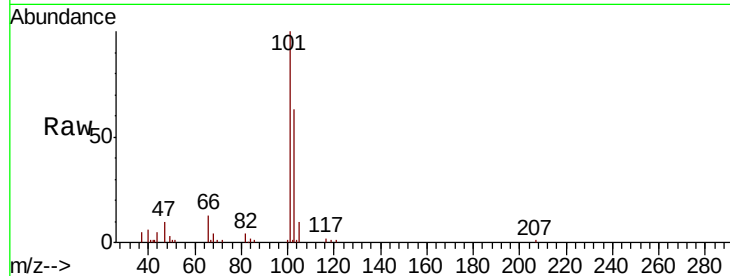


#7

Trichlorofluoromethane
 Concen: 20.680 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

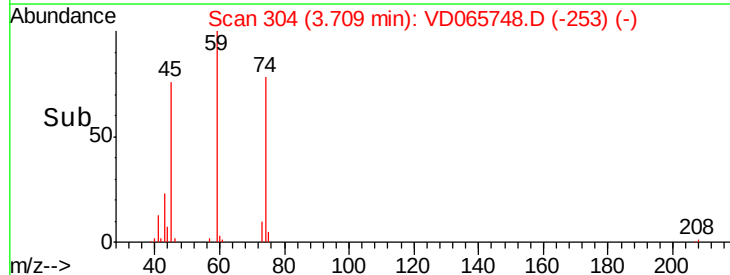
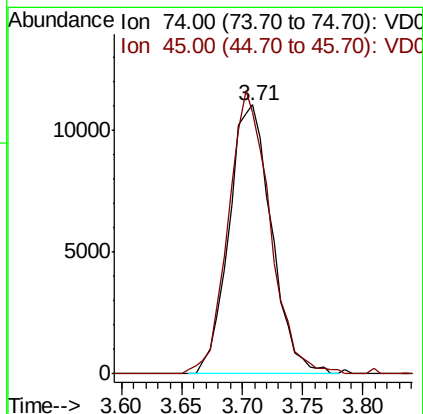
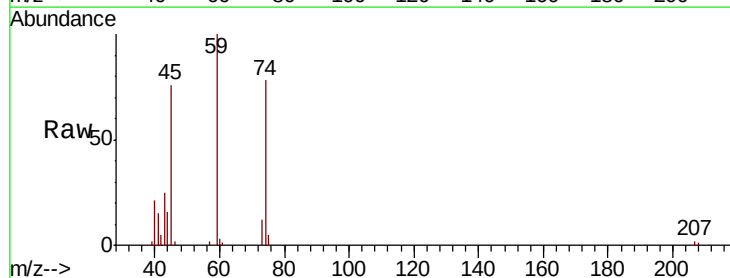
Tot Ion:101 Resp: 93975
 Ion Ratio Lower Upper
 101 100
 103 63.0 54.1 81.1

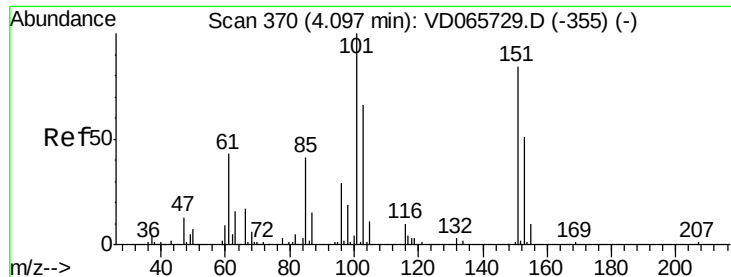


#8

Diethyl Ether
 Concen: 20.742 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

Tgt Ion: 74 Resp: 27084
 Ion Ratio Lower Upper
 74 100
 45 103.5 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.807 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

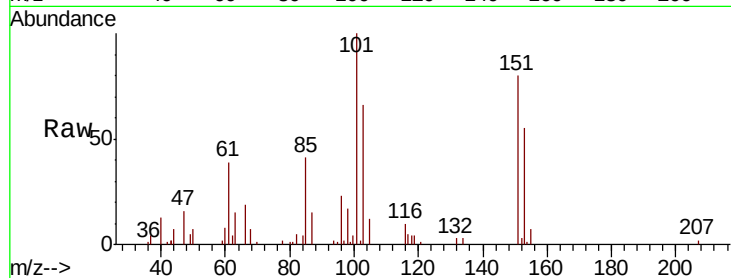
Tot Ion:101 Resp: 58119

Ion Ratio Lower Upper

101 100

85 43.5 34.1 51.1

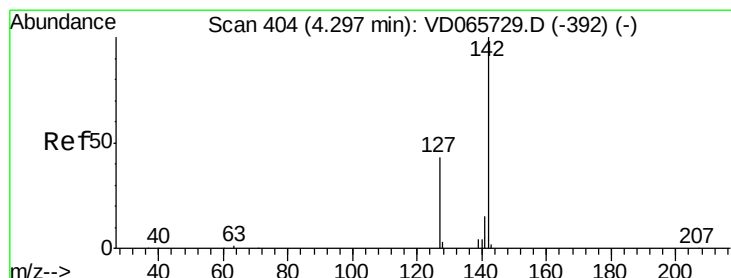
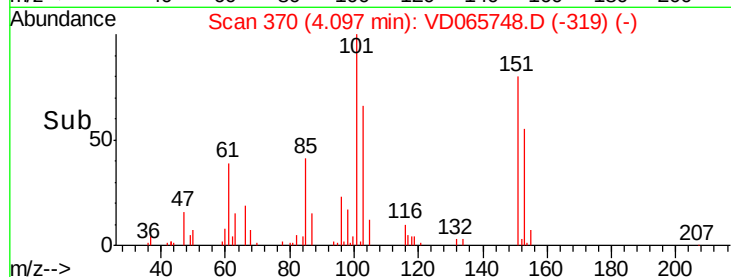
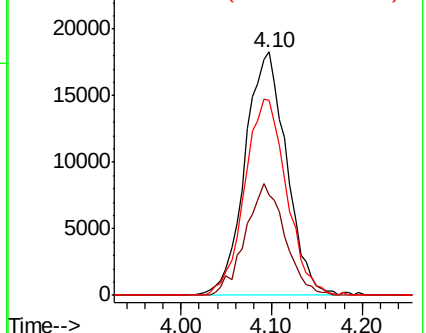
151 81.3 65.1 97.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.188 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

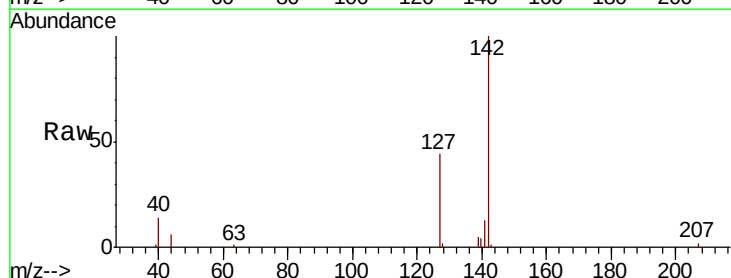
Tgt Ion:142 Resp: 53071

Ion Ratio Lower Upper

142 100

127 42.5 34.2 51.4

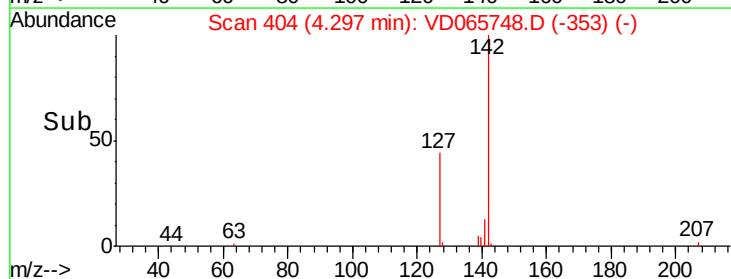
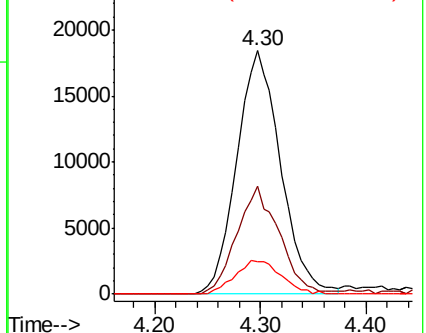
141 14.5 11.7 17.5

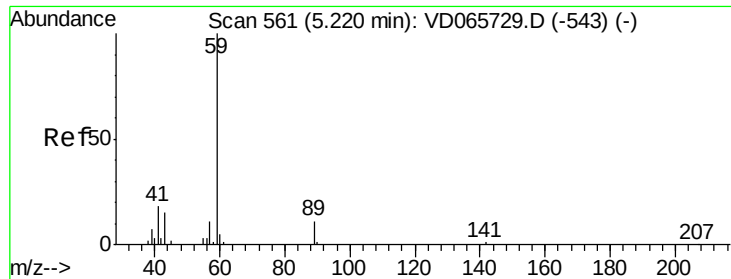


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



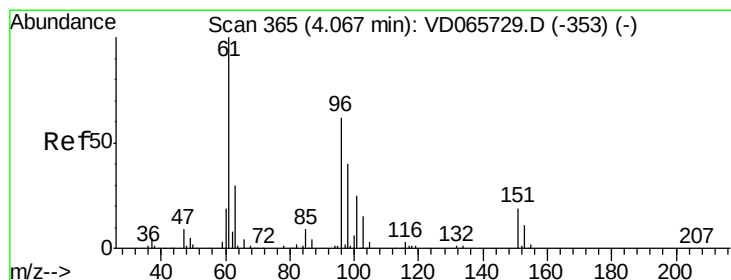
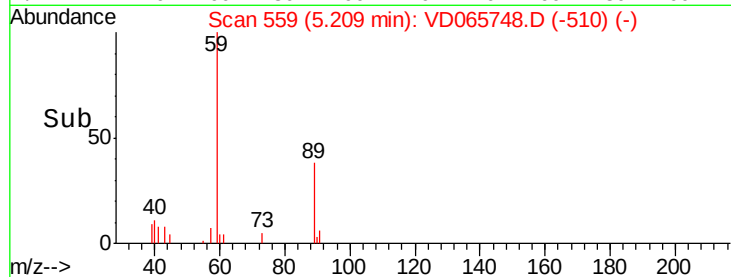
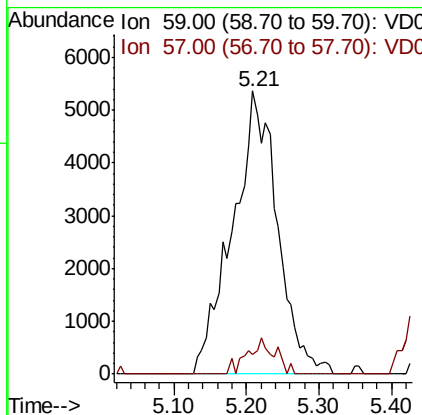
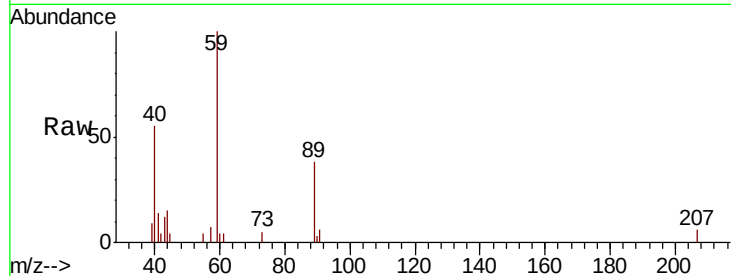


#11

Tert butyl alcohol
 Concen: 68.937 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

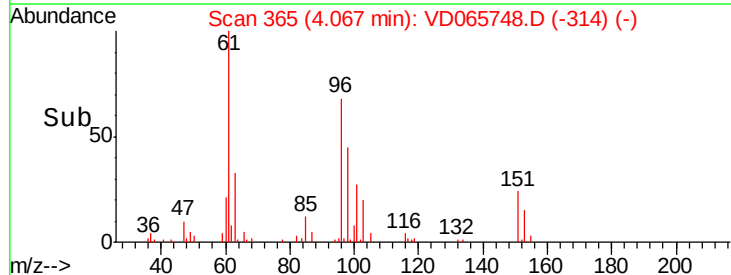
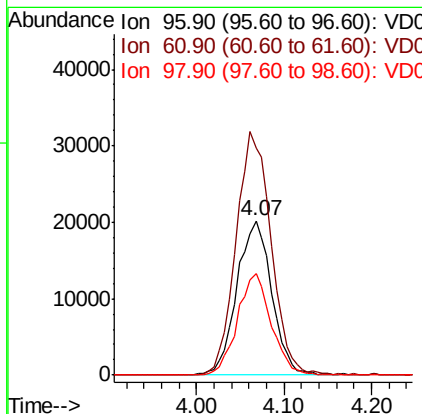
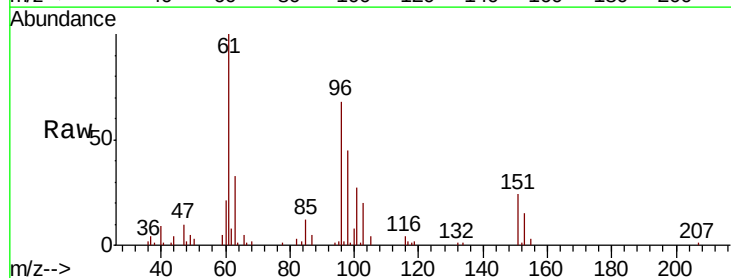
Tot Ion: 59 Resp: 23039
 Ion Ratio Lower Upper
 59 100
 57 7.7 7.4 11.0

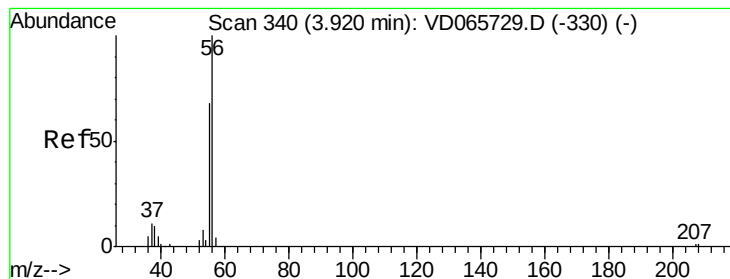


#12

1,1-Dichloroethene
 Concen: 20.583 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

Tgt Ion: 96 Resp: 54530
 Ion Ratio Lower Upper
 96 100
 61 146.7 130.0 195.0
 98 66.0 52.3 78.5





#13

Acrolein

Concen: 112.566 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

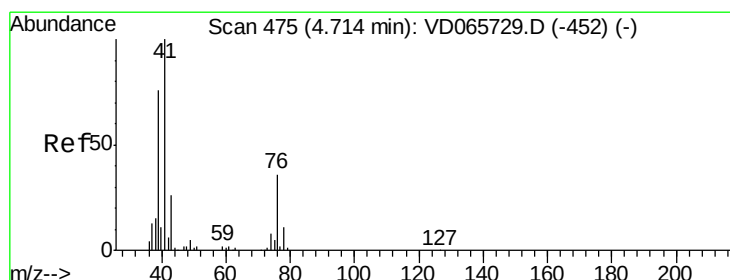
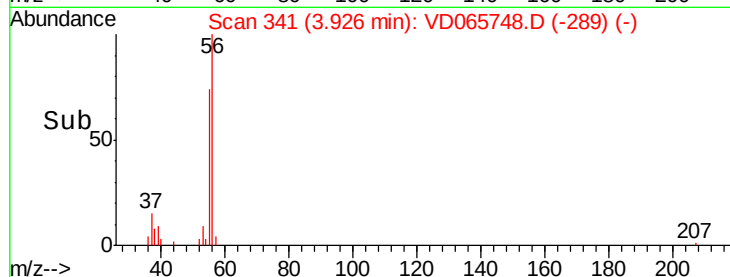
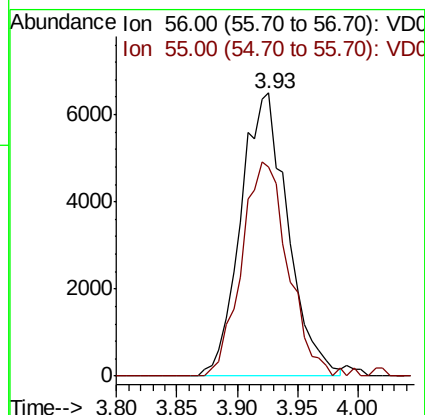
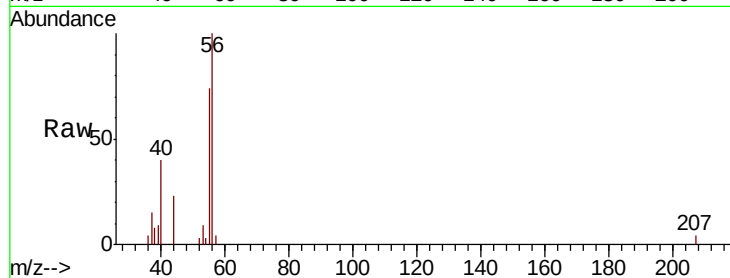
VD0515SBS01

Tot Ion: 56 Resp: 17618

Ion Ratio Lower Upper

56 100

55 74.3 57.8 86.8



#14

Allyl chloride

Concen: 19.960 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

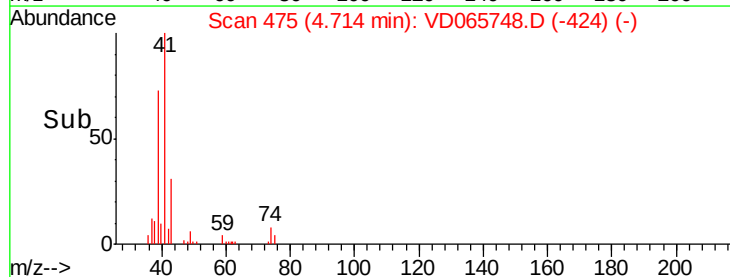
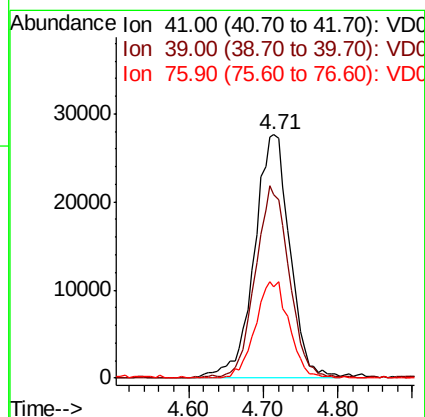
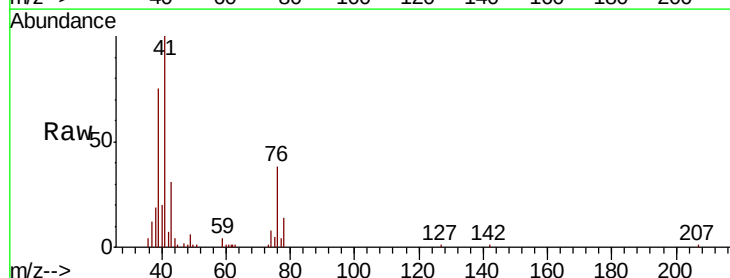
Tgt Ion: 41 Resp: 91430

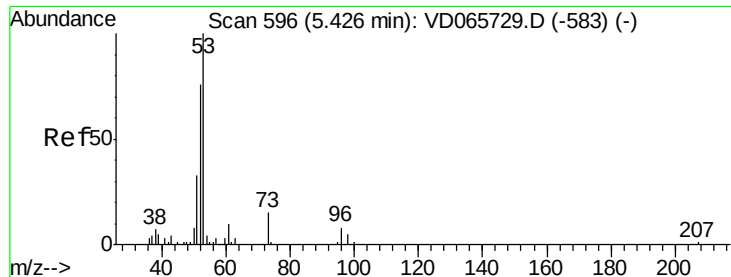
Ion Ratio Lower Upper

41 100

39 75.0 57.4 86.2

76 37.9 28.4 42.6





#15

Acrylonitrile

Concen: 104.032 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

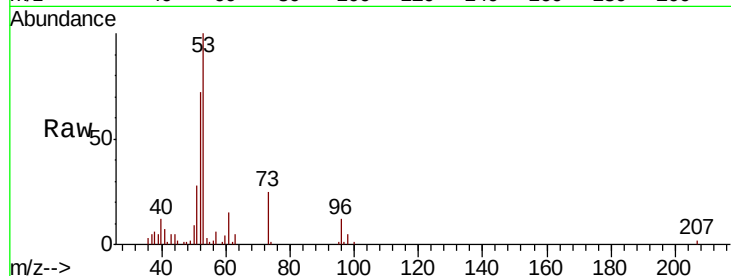
Tot Ion: 53 Resp: 60010

Ion Ratio Lower Upper

53 100

52 82.9 66.3 99.5

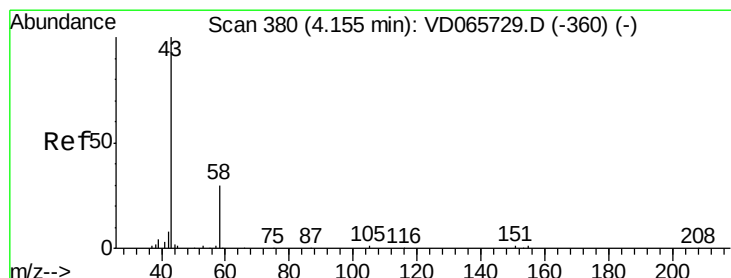
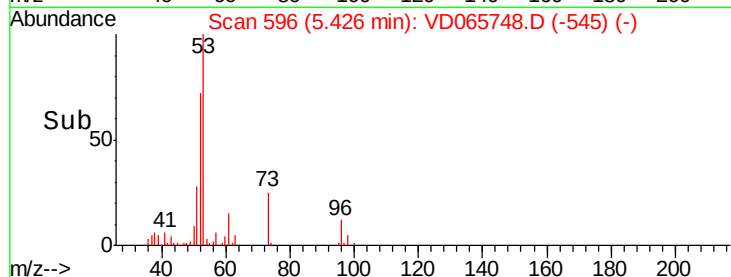
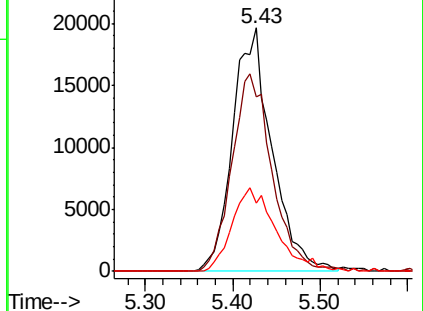
51 38.3 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 91.535 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065748.D

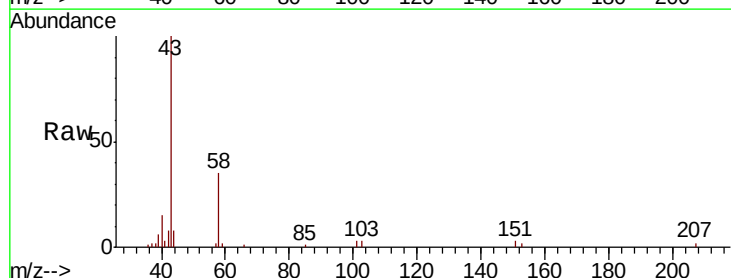
Acq: 15 May 2020 13:14

Tgt Ion: 43 Resp: 48848

Ion Ratio Lower Upper

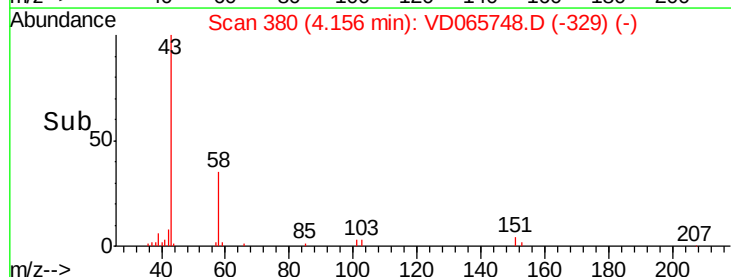
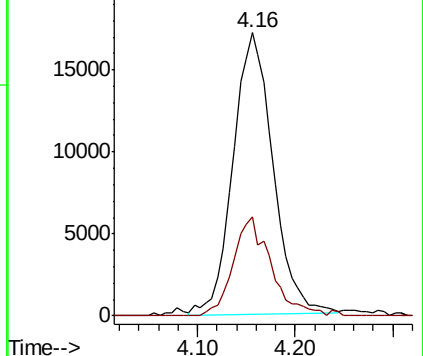
43 100

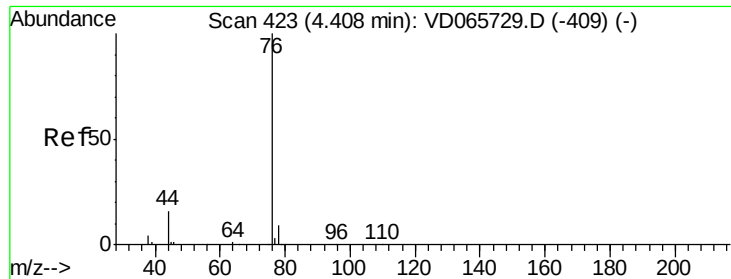
58 35.1 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

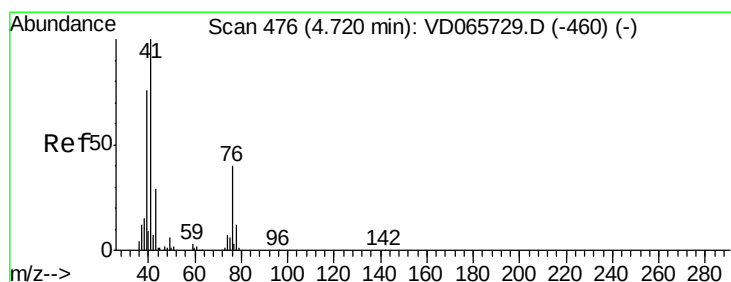
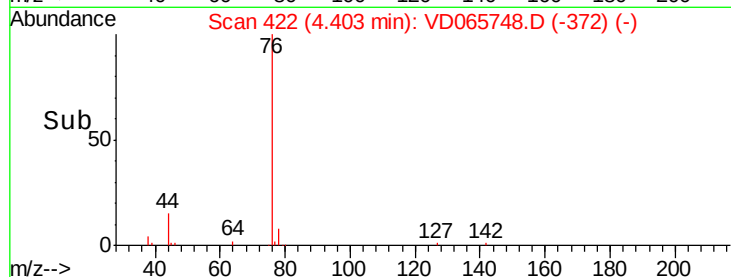
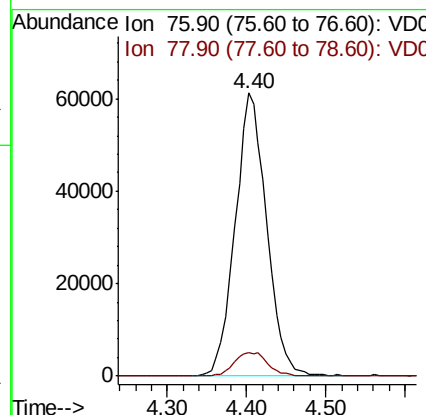
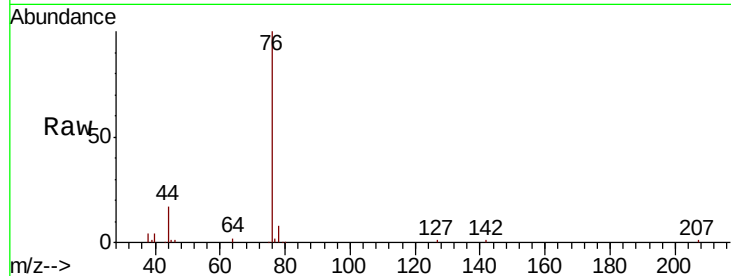




#17
Carbon Disulfide
Concen: 20.075 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

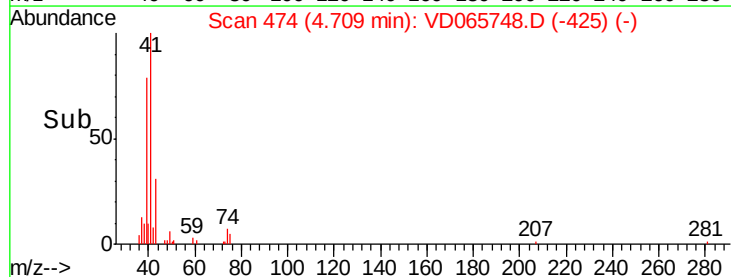
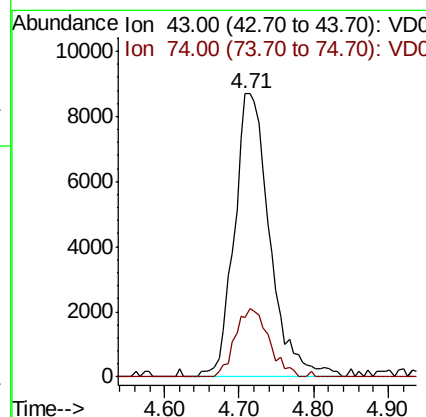
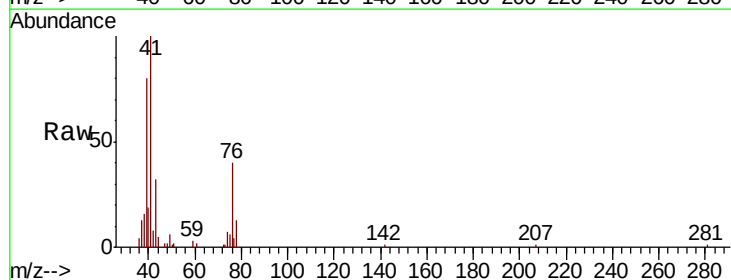
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

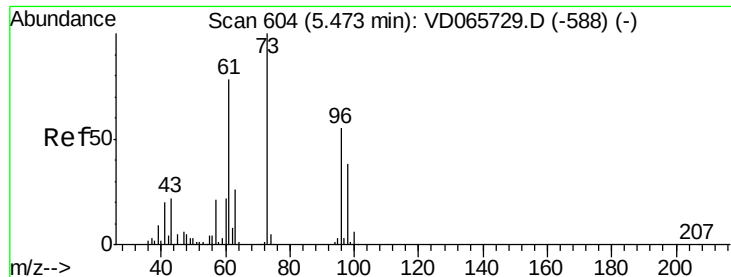
Tot Ion: 76 Resp: 167981
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0



#18
Methyl Acetate
Concen: 21.384 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

Tgt Ion: 43 Resp: 28700
Ion Ratio Lower Upper
43 100
74 23.0 18.6 27.8

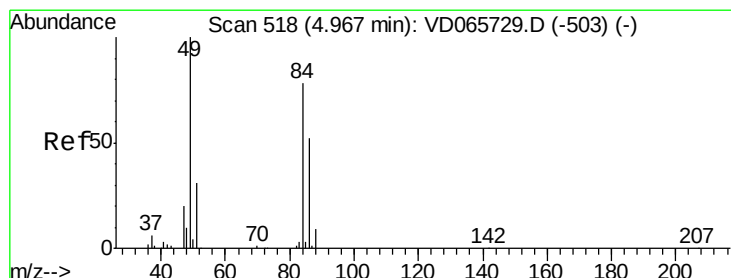
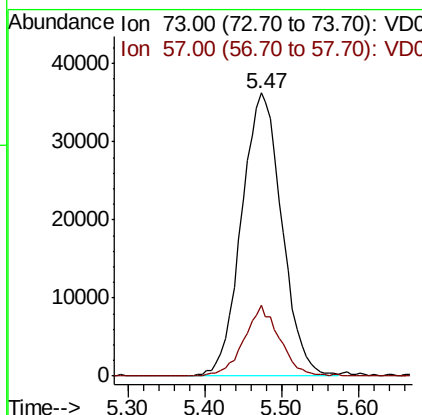
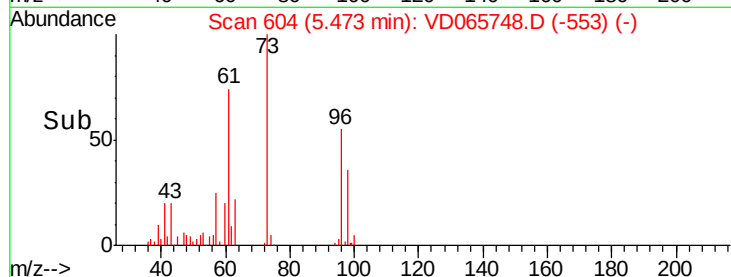
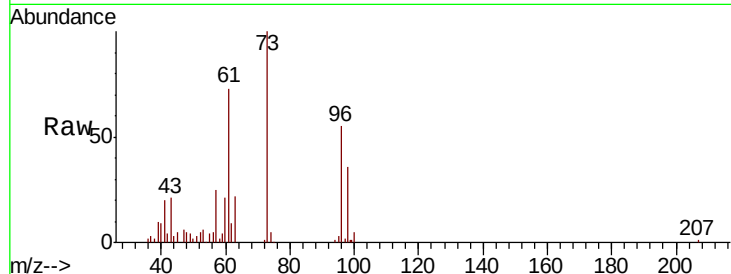




#19
Methyl tert-butyl Ether
Concen: 21.442 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

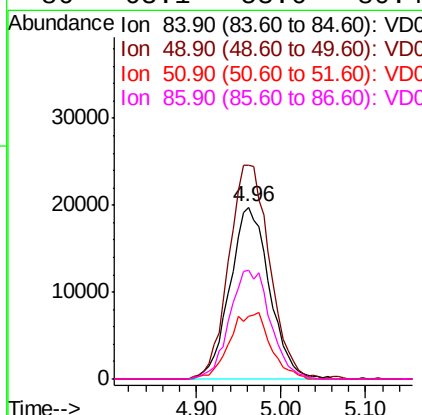
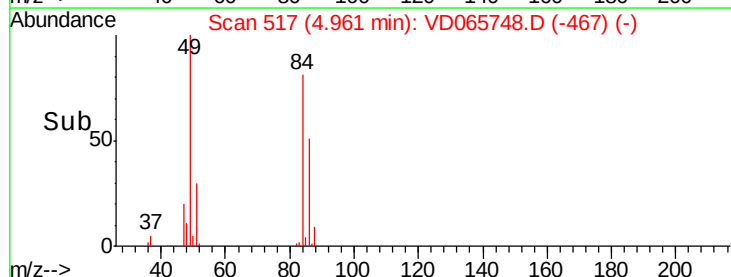
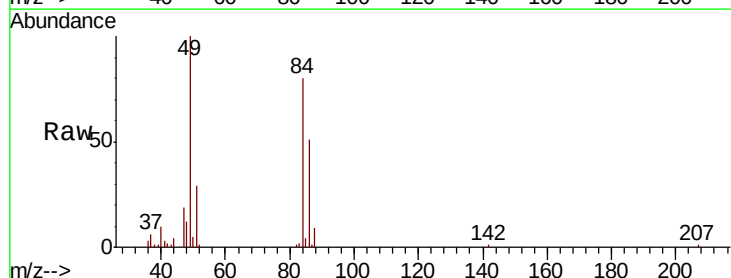
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

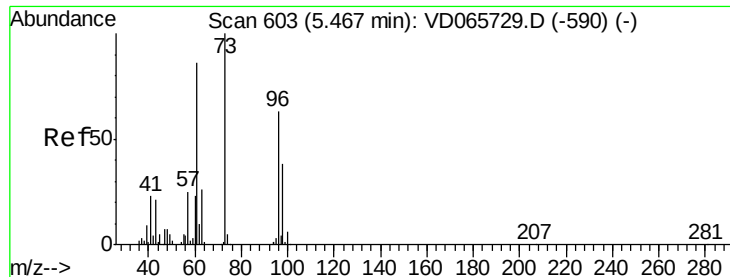
Tot Ion: 73 Resp: 132532
Ion Ratio Lower Upper
73 100
57 25.1 17.0 25.4



#20
Methylene Chloride
Concen: 21.285 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

Tgt Ion: 84 Resp: 64084
Ion Ratio Lower Upper
84 100
49 124.3 102.9 154.3
51 36.5 31.5 47.3
86 63.1 53.6 80.4





#21

trans-1,2-Dichloroethene

Concen: 20.301 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

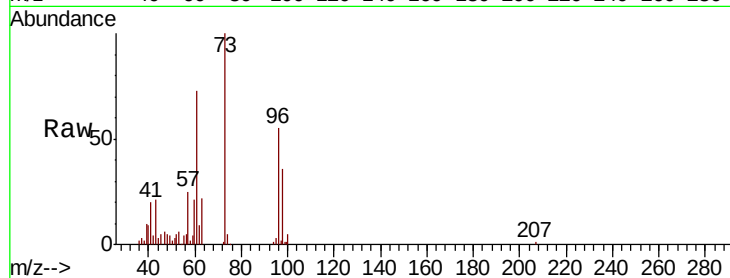
Tot Ion: 96 Resp: 61925

Ion Ratio Lower Upper

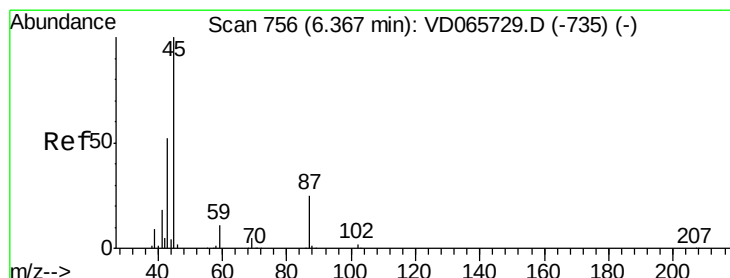
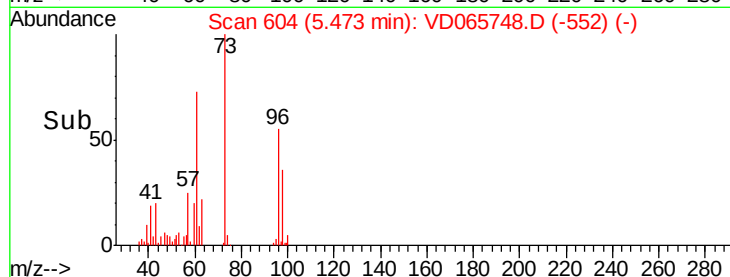
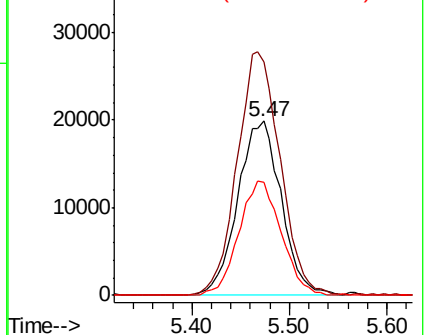
96 100

61 134.0 108.6 163.0

98 65.1 47.9 71.9



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



#22

Diisopropyl ether

Concen: 21.450 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Tgt Ion: 45 Resp: 187068

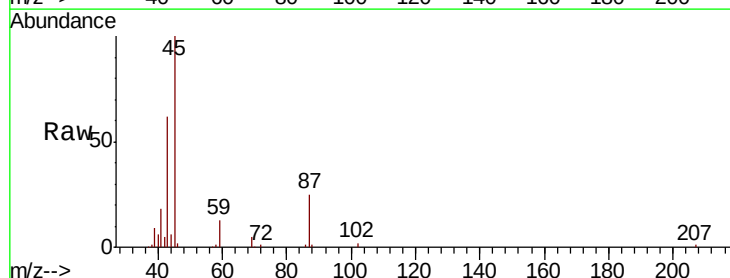
Ion Ratio Lower Upper

45 100

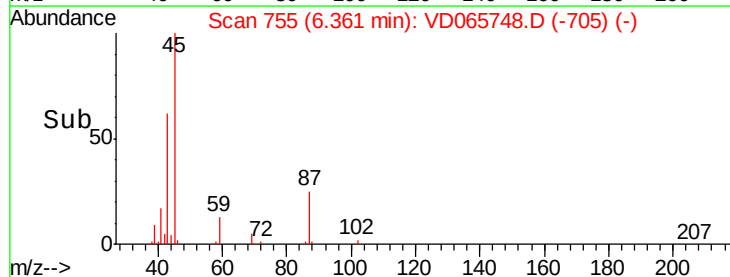
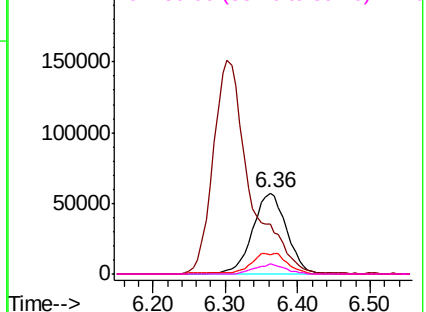
43 60.8 41.8 62.6

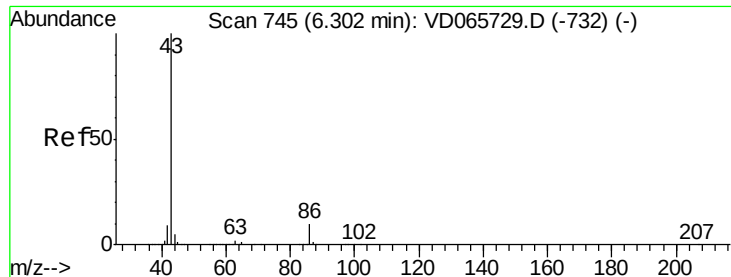
87 24.2 20.1 30.1

59 13.0 8.6 13.0#



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 103.169 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

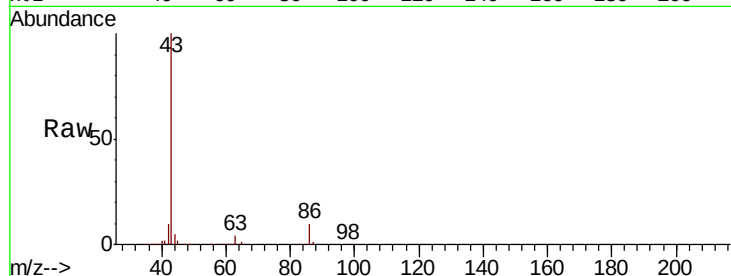
VD0515SBS01

Tot Ion: 43 Resp: 529202

Ion Ratio Lower Upper

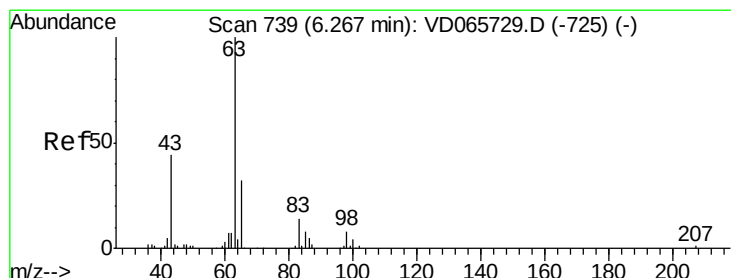
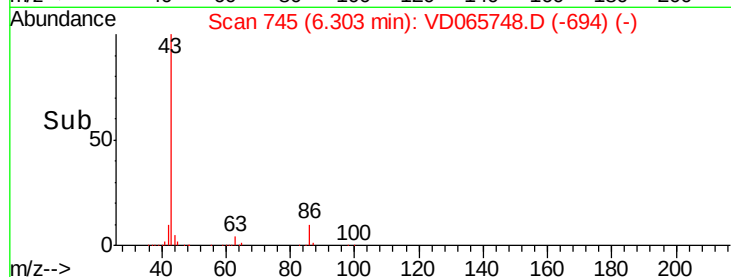
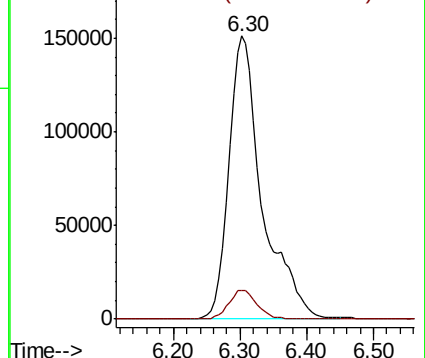
43 100

86 10.3 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.020 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

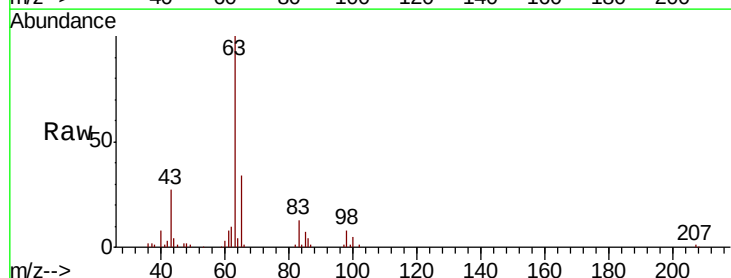
Tgt Ion: 63 Resp: 107331

Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.5

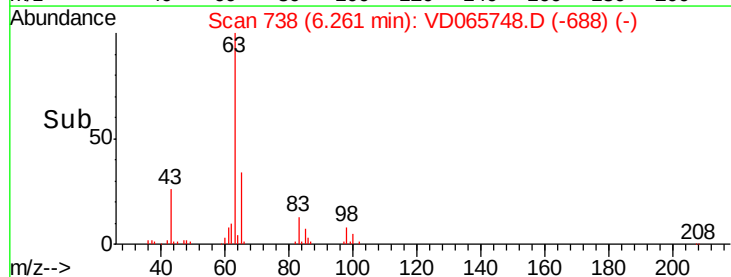
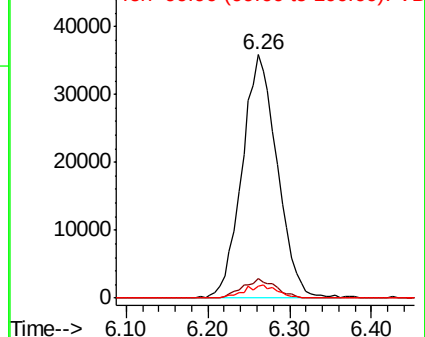
100 4.8 2.2 6.6

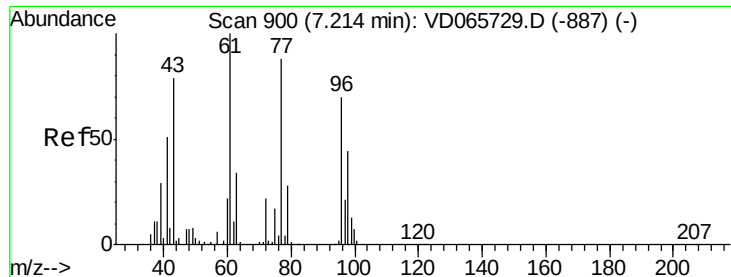


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

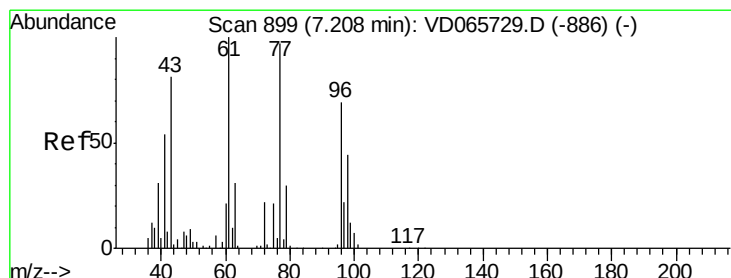
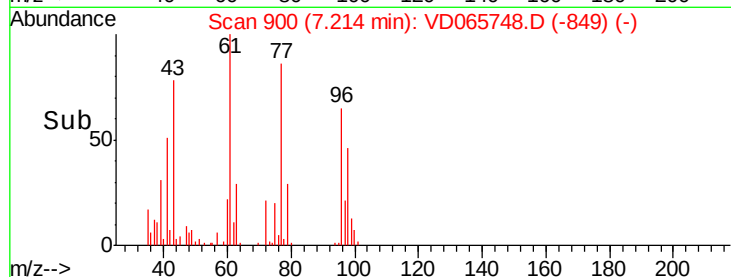
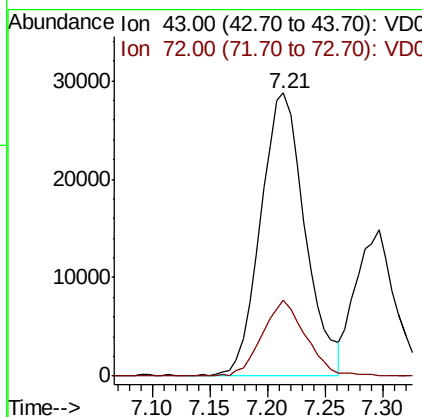
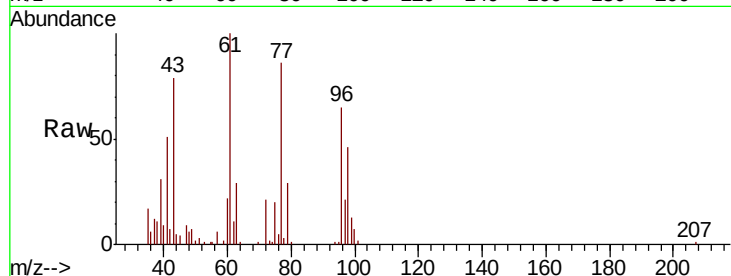




#25
2-Butanone
Concen: 101.425 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

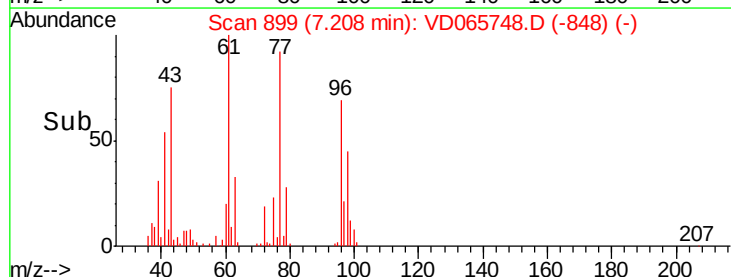
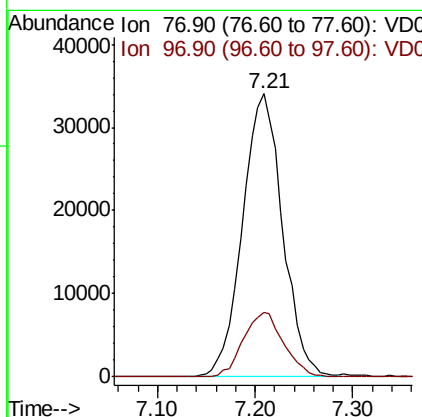
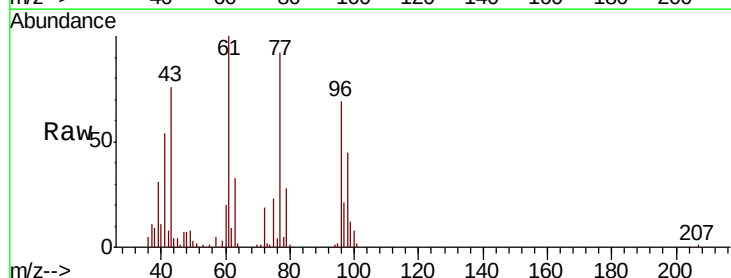
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

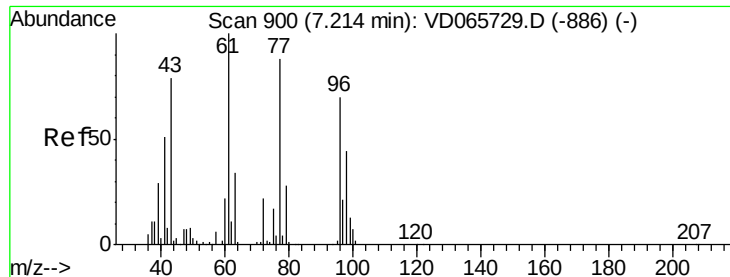
Tot Ion: 43 Resp: 77371
Ion Ratio Lower Upper
43 100
72 26.8 22.3 33.5



#26
2,2-Dichloropropane
Concen: 20.609 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

Tgt Ion: 77 Resp: 97670
Ion Ratio Lower Upper
77 100
97 22.9 11.3 33.9



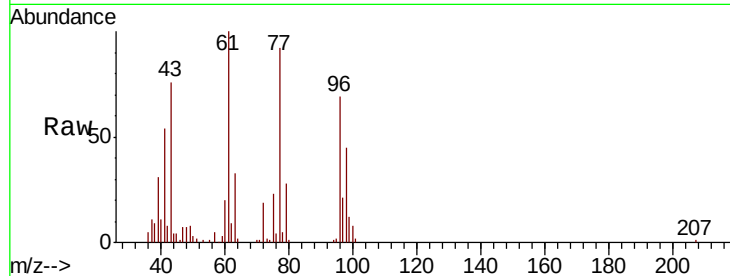


#27

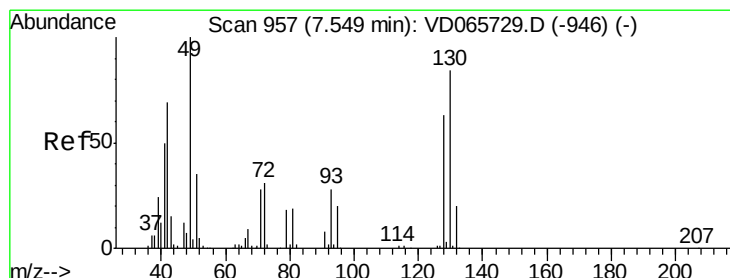
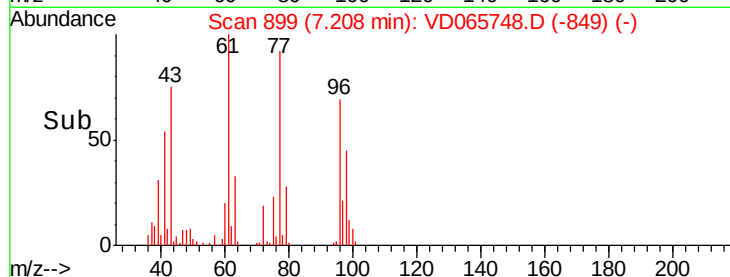
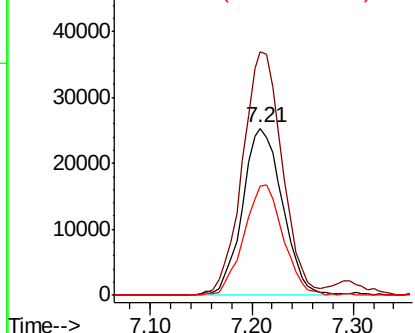
cis-1,2-Dichloroethene
Concen: 20.777 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

Tot Ion: 96 Resp: 69453
Ion Ratio Lower Upper
96 100
61 144.5 0.0 288.0
98 64.7 0.0 127.8



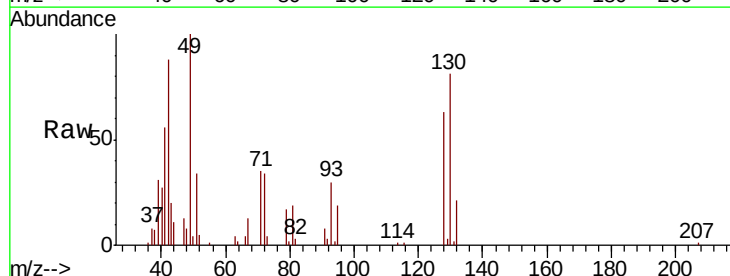
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



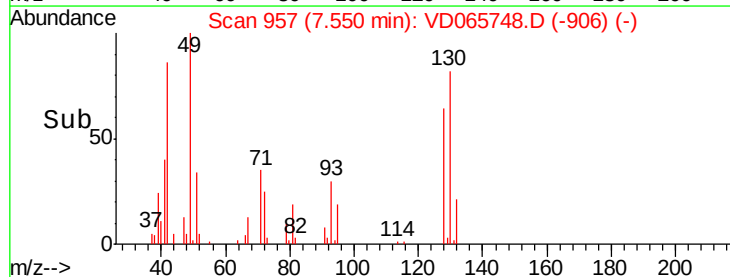
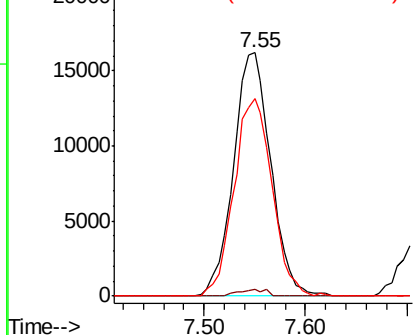
#28

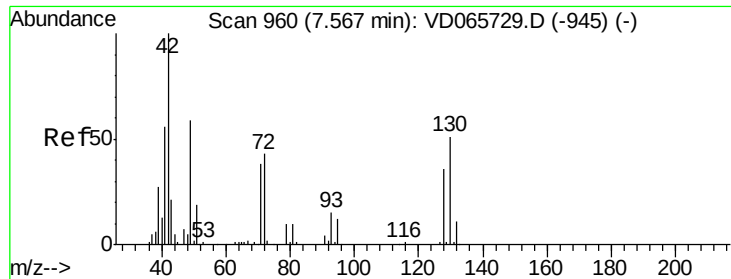
Bromochloromethane
Concen: 19.766 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

Tgt Ion: 49 Resp: 41496
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.6
130 82.4 65.2 97.8



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





#29

Tetrahydrofuran

Concen: 103.172 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

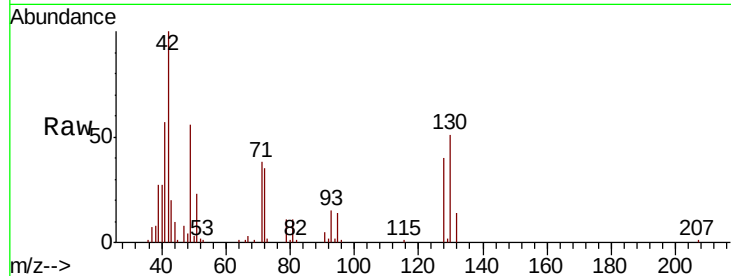
Tot Ion: 42 Resp: 49900

Ion Ratio Lower Upper

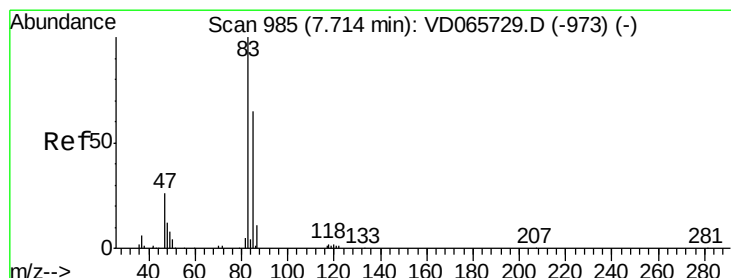
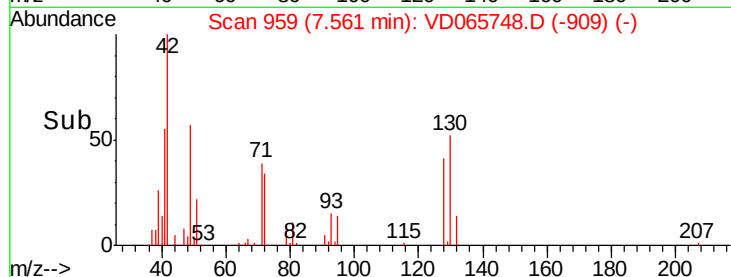
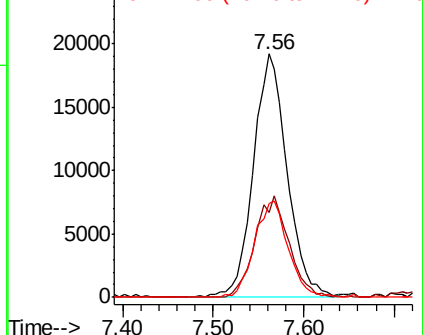
42 100

72 41.7 33.5 50.3

71 39.4 31.8 47.6



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.611 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065748.D

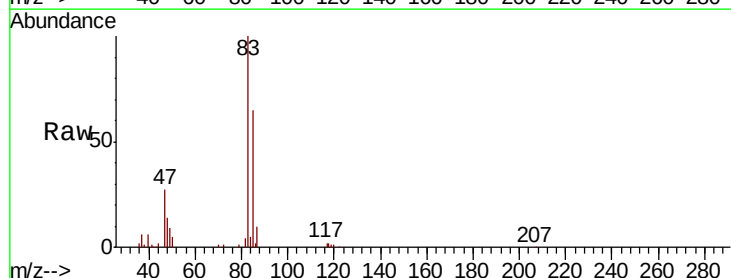
Acq: 15 May 2020 13:14

Tgt Ion: 83 Resp: 111524

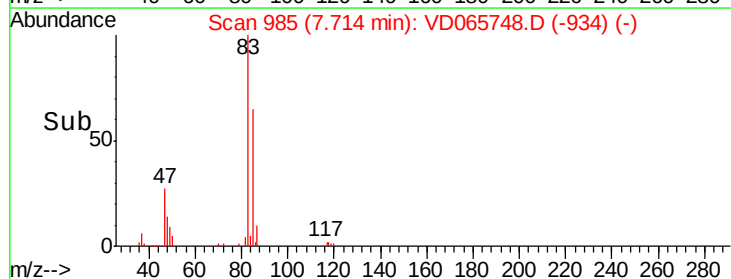
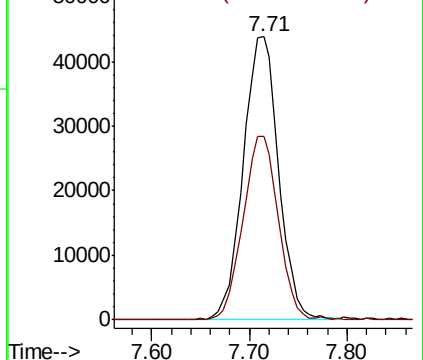
Ion Ratio Lower Upper

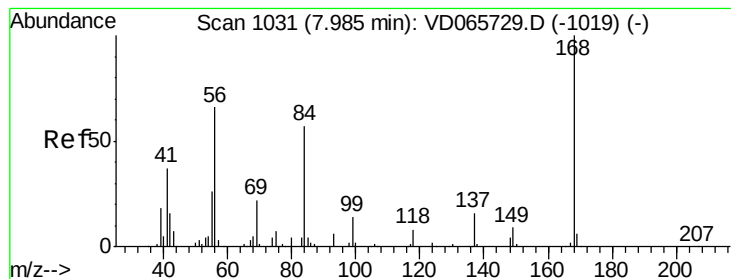
83 100

85 65.0 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 20.614 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

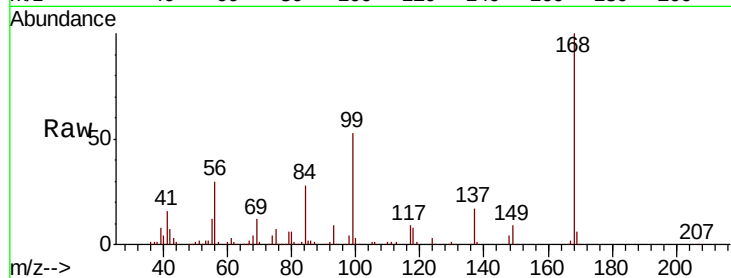
Tot Ion: 56 Resp: 106550

Ion Ratio Lower Upper

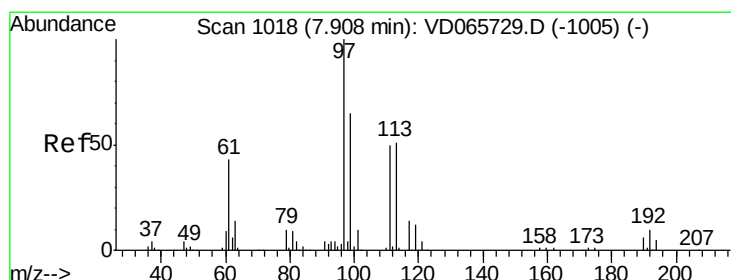
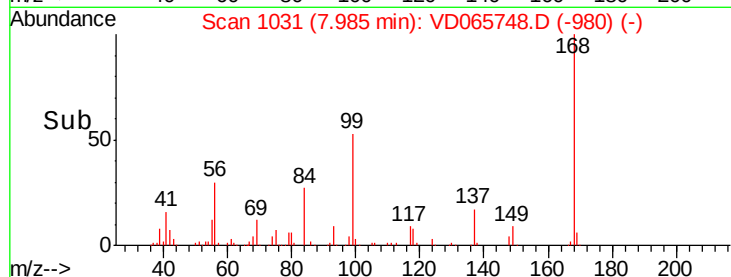
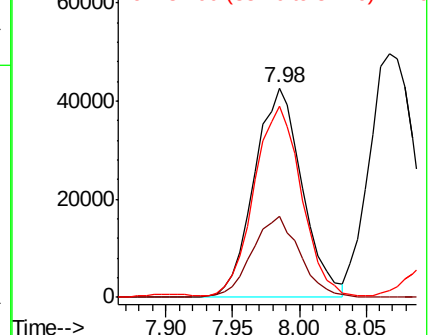
56 100

69 38.7 25.9 38.9

84 90.1 69.1 103.7



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 20.939 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

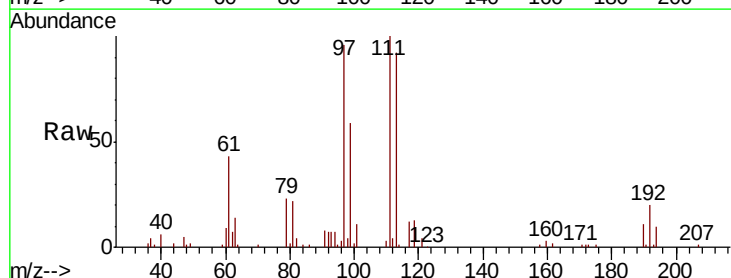
Tgt Ion: 97 Resp: 101221

Ion Ratio Lower Upper

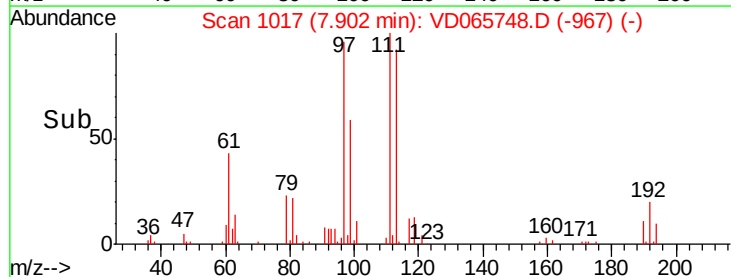
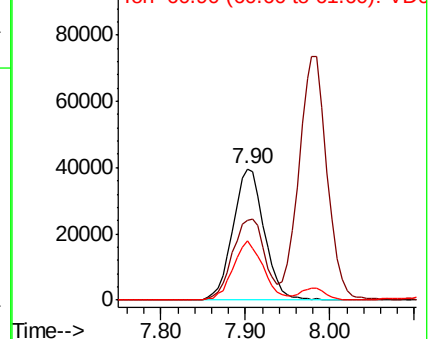
97 100

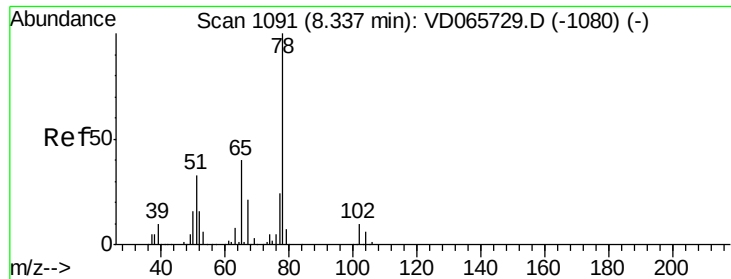
99 63.2 50.5 75.7

61 42.9 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

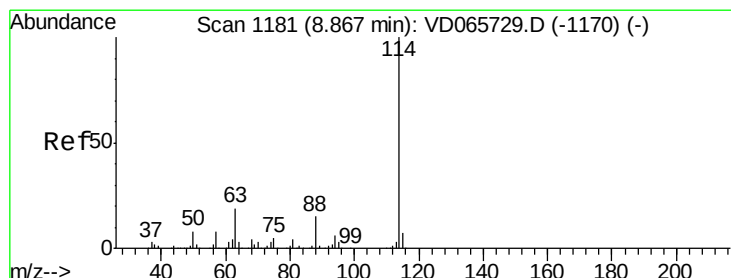
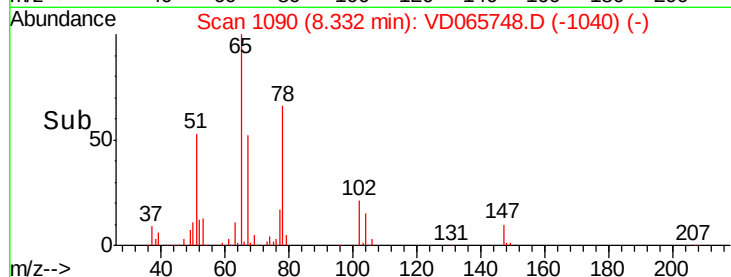
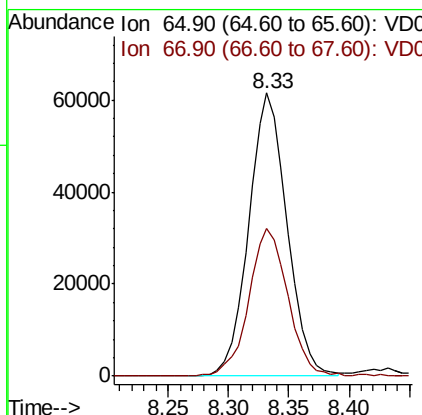
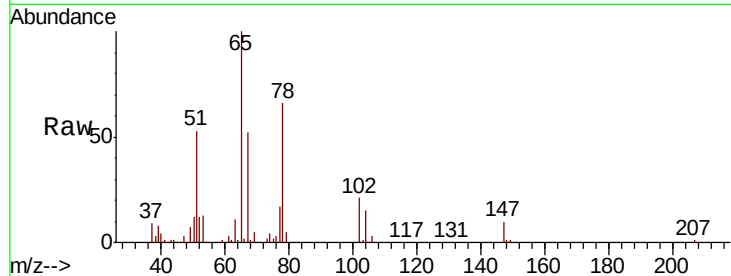




#33
 1,2-Dichloroethane-d4
 Concen: 52.142 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

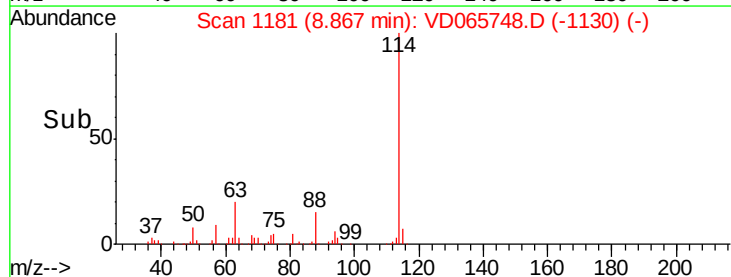
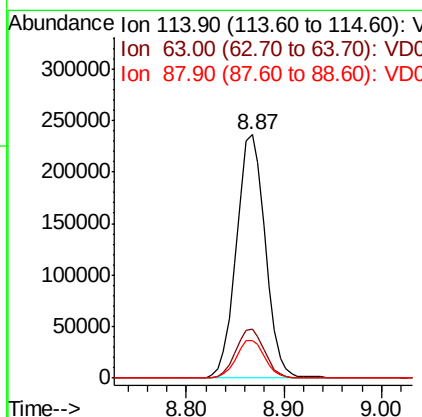
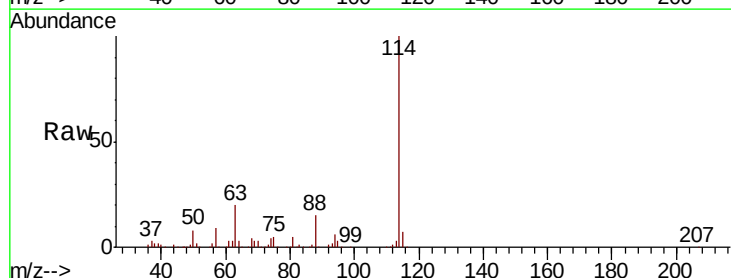
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

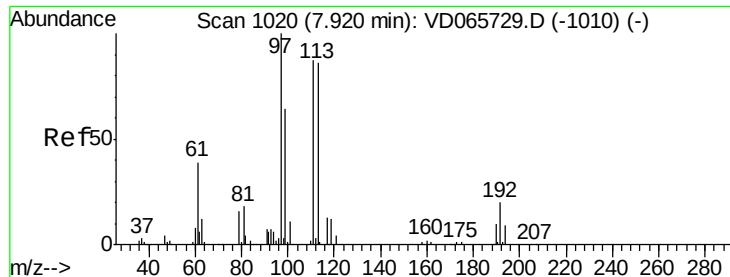
Tot Ion: 65 Resp: 135657
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

Tgt Ion: 114 Resp: 489249
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 37.2
 88 15.4 0.0 30.2

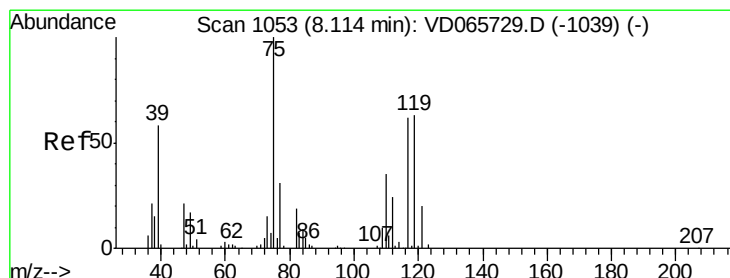
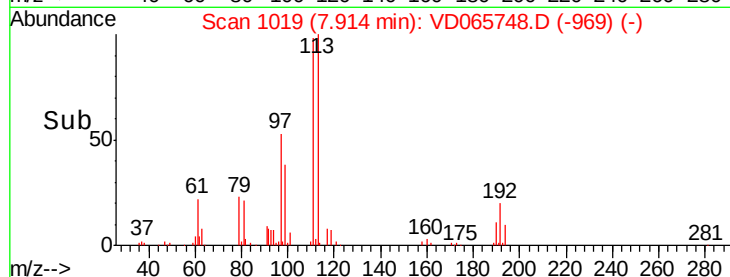
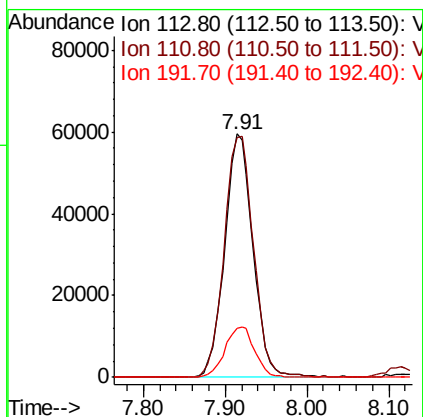
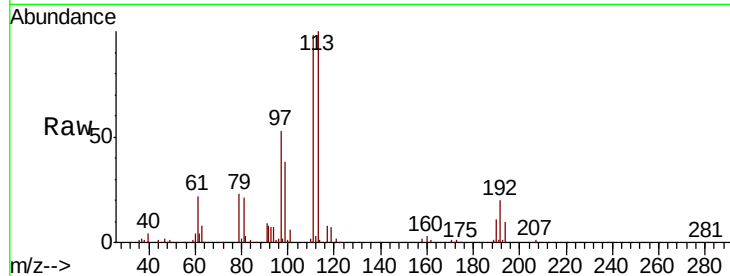




#35
 Dibromofluoromethane
 Concen: 51.720 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

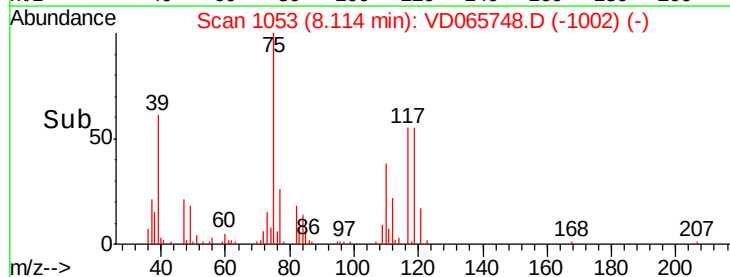
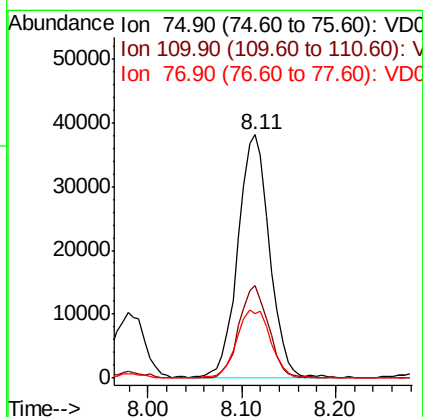
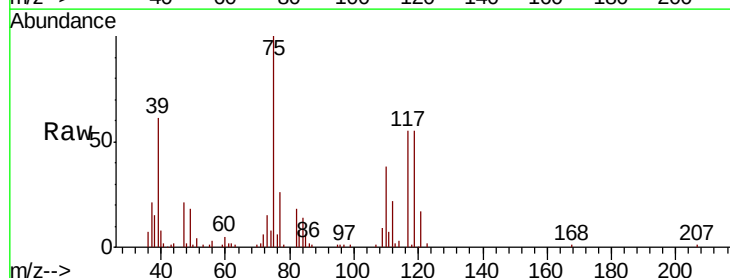
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

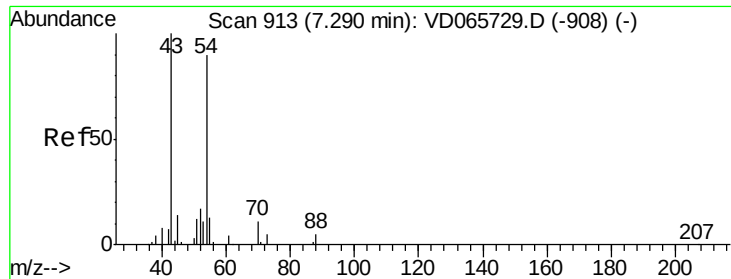
Tot Ion:113 Resp: 143354
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.1 121.7
 192 21.6 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 20.930 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

Tgt Ion: 75 Resp: 88926
 Ion Ratio Lower Upper
 75 100
 110 35.7 18.4 55.2
 77 30.0 24.6 37.0

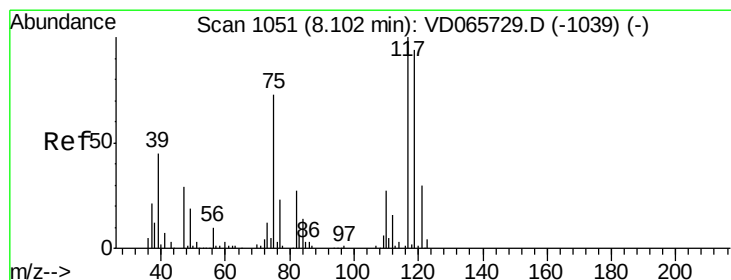
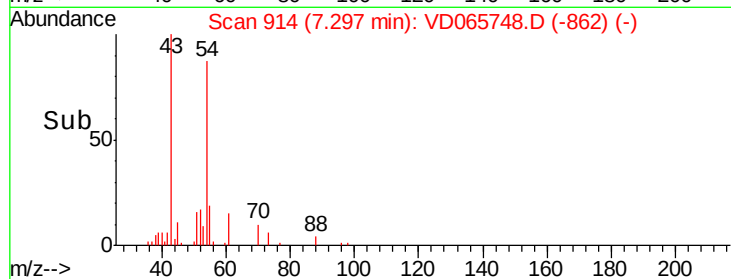
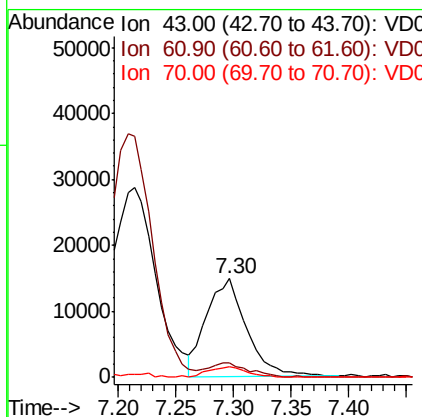
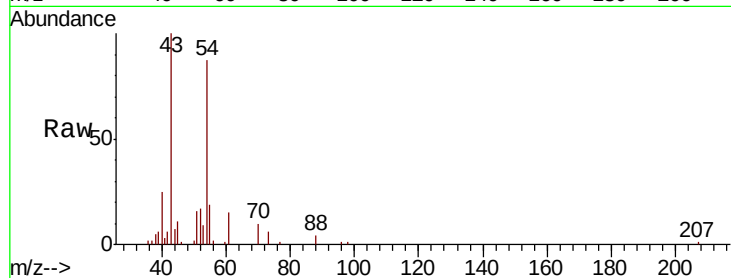




#37
Ethyl Acetate
Concen: 19.845 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

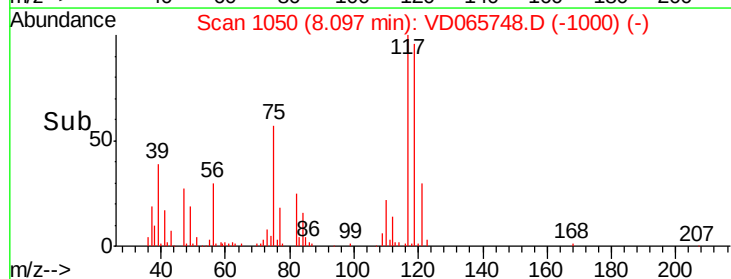
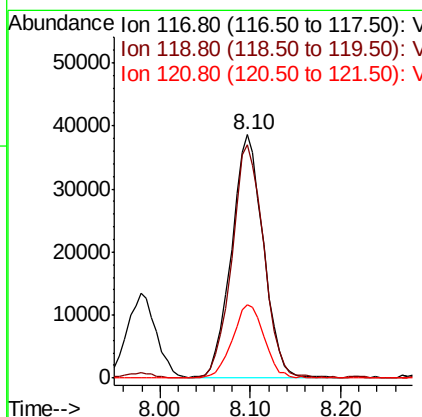
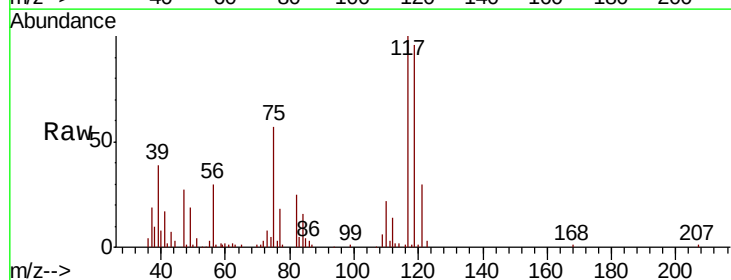
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

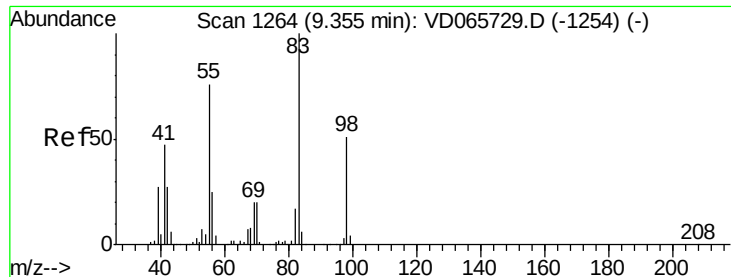
Tot Ion: 43 Resp: 36123
Ion Ratio Lower Upper
43 100
61 13.2 9.8 14.6
70 10.2 8.6 12.8



#38
Carbon Tetrachloride
Concen: 20.966 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

Tgt Ion: 117 Resp: 94481
Ion Ratio Lower Upper
117 100
119 96.0 75.6 113.4
121 30.1 24.4 36.6

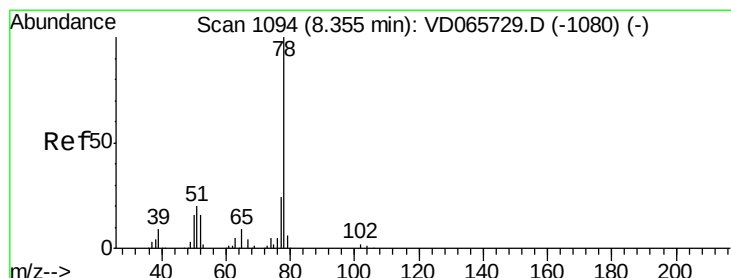
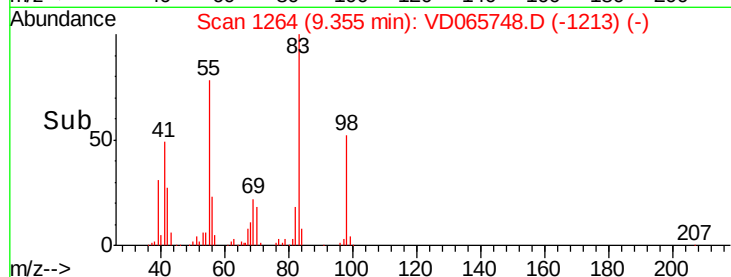
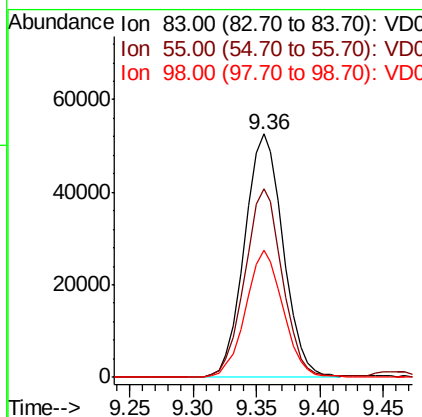
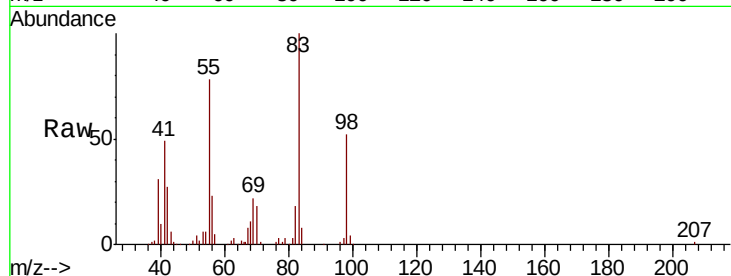




#39
Methylvlcyclohexane
Concen: 20.427 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

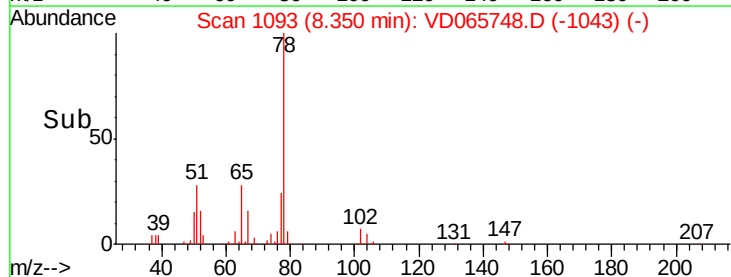
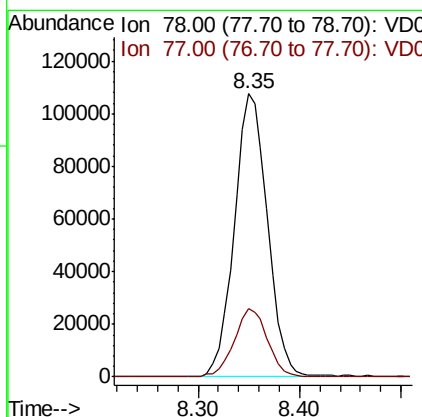
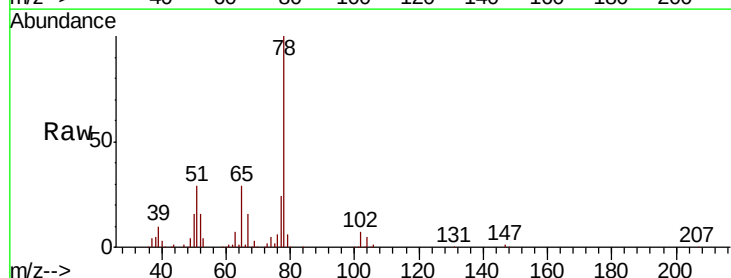
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

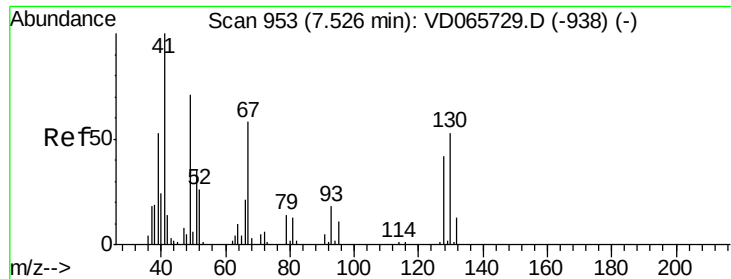
Tot Ion: 83 Resp: 111227
Ion Ratio Lower Upper
83 100
55 77.6 60.9 91.3
98 52.4 40.6 61.0



#40
Benzene
Concen: 20.850 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

Tgt Ion: 78 Resp: 243604
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7

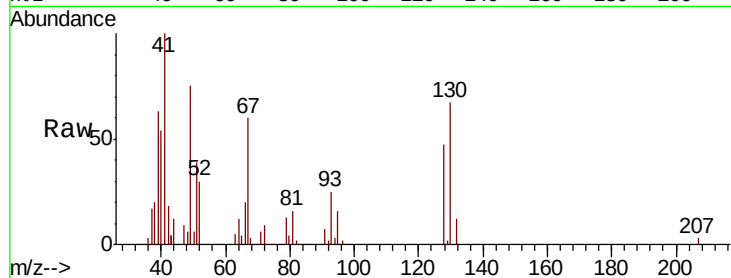




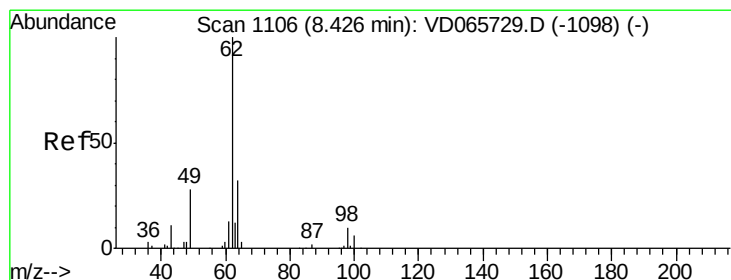
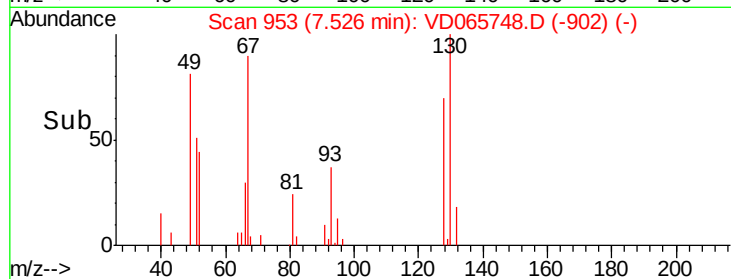
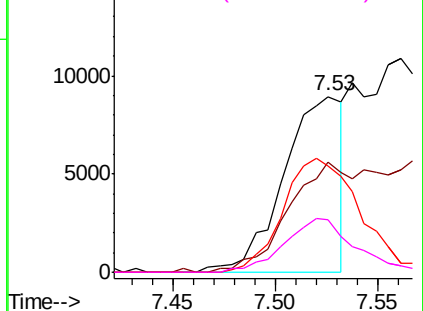
#41
Methacrylonitrile
Concen: 17.841 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

Tot Ion: 41 Resp: 17885
Ion Ratio Lower Upper
41 100
39 0.0 56.8 85.2#
67 0.0 57.9 86.9#
52 0.0 25.9 38.9#

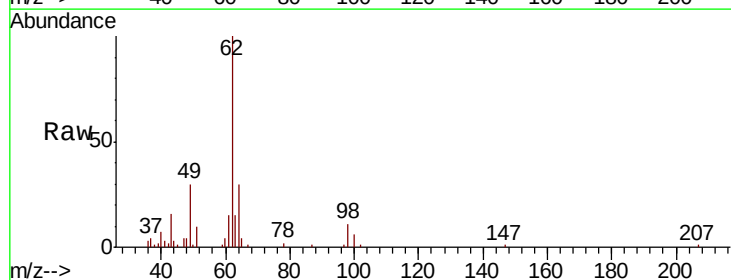


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

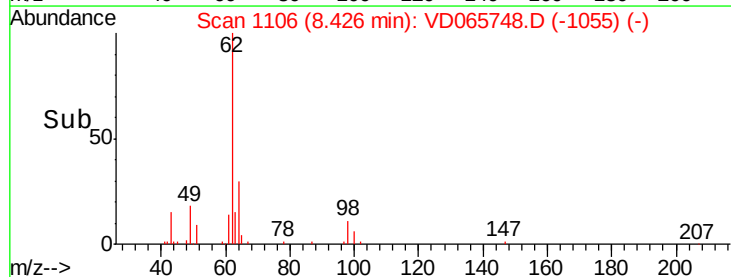
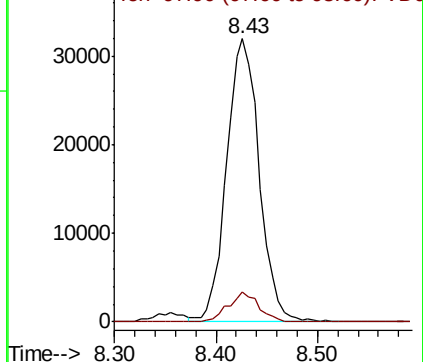


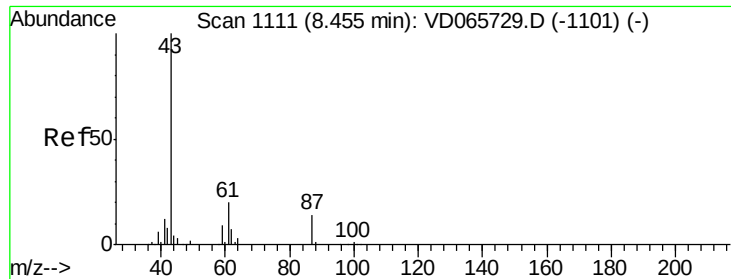
#42
1,2-Dichloroethane
Concen: 21.913 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

Tgt Ion: 62 Resp: 71285
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 20.714 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

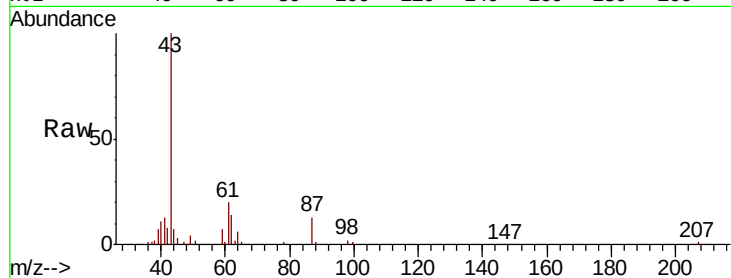
Tot Ion: 43 Resp: 74730

Ion Ratio Lower Upper

43 100

61 29.0 23.8 35.6

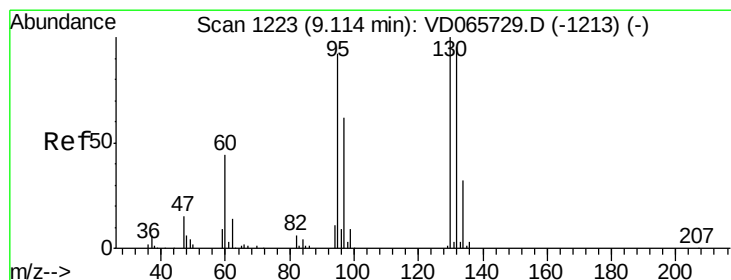
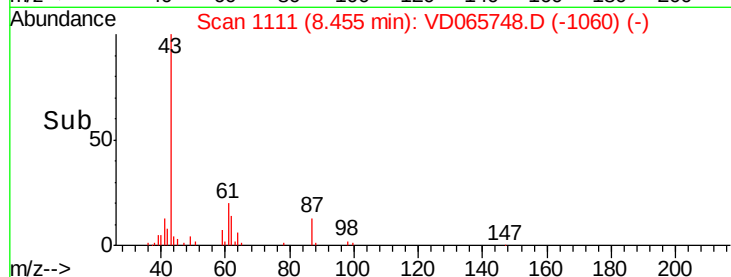
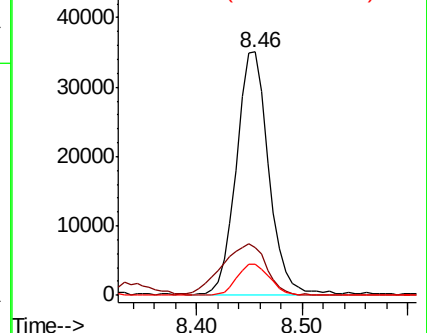
87 12.9 10.5 15.7



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: 20.475 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065748.D

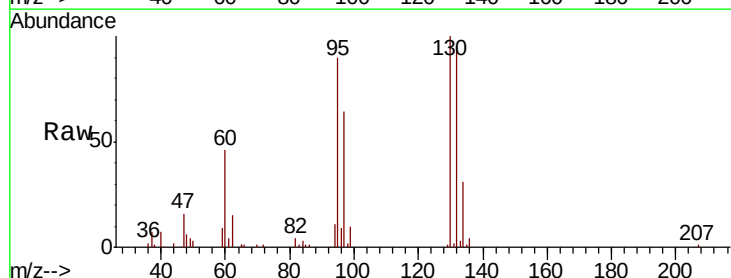
Acq: 15 May 2020 13:14

Tgt Ion:130 Resp: 71618

Ion Ratio Lower Upper

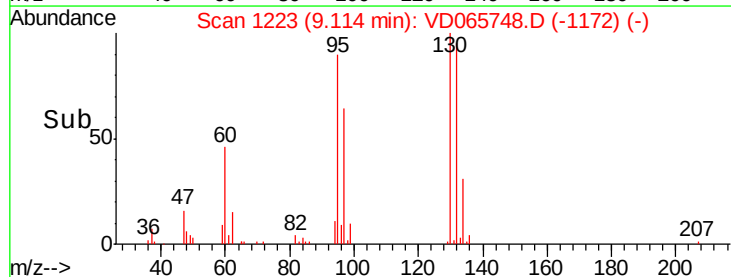
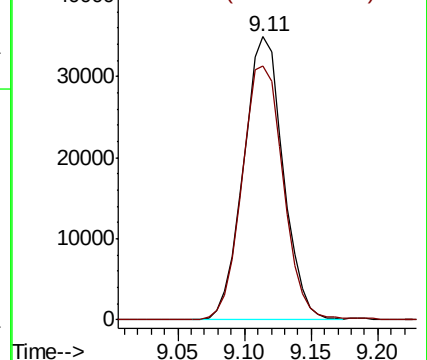
130 100

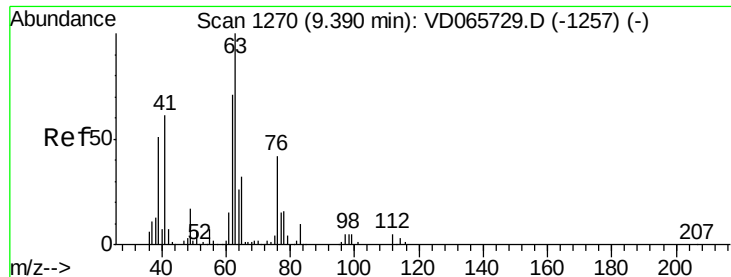
95 89.8 0.0 183.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

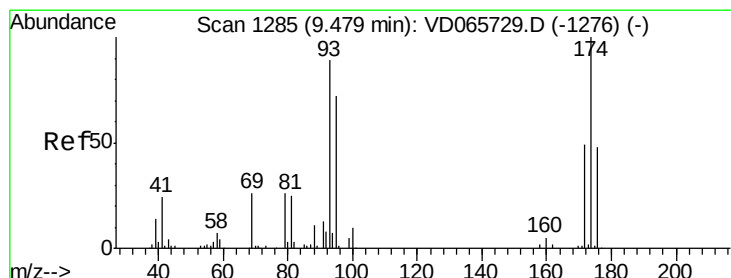
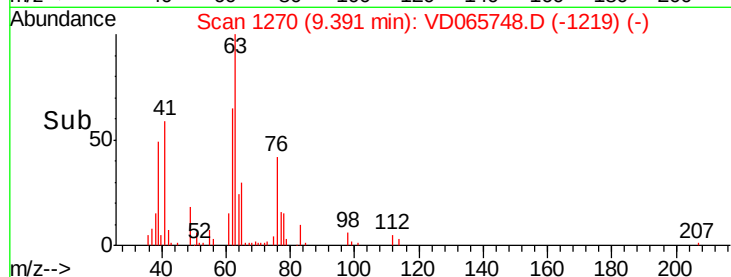
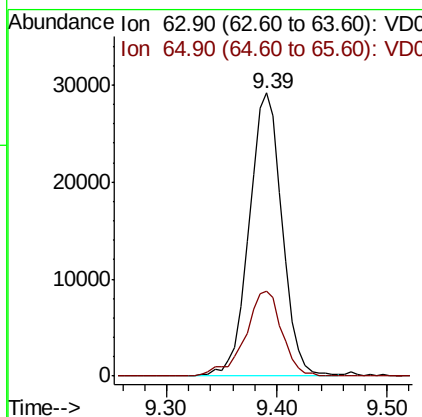
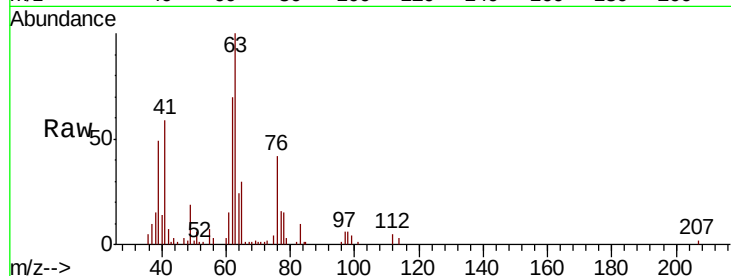




#45
 1,2-Dichloropropane
 Concen: 21.242 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

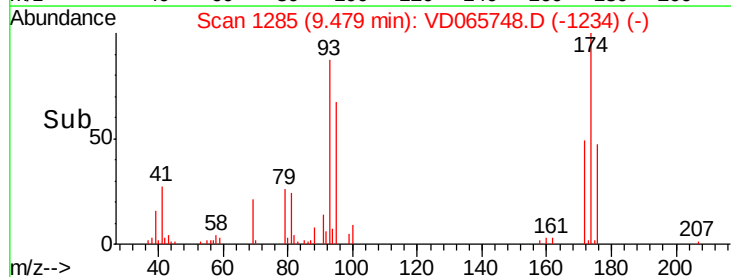
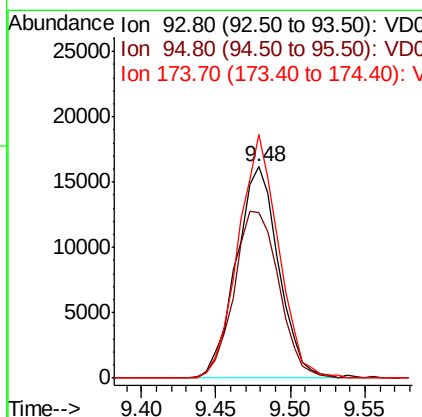
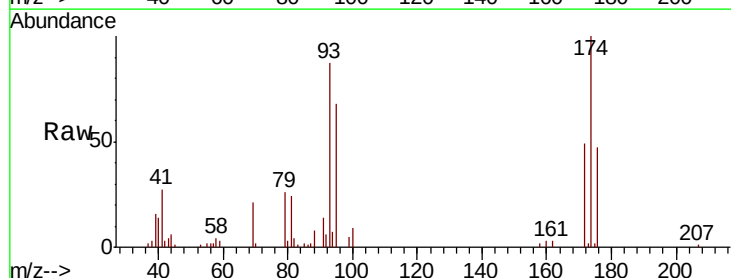
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

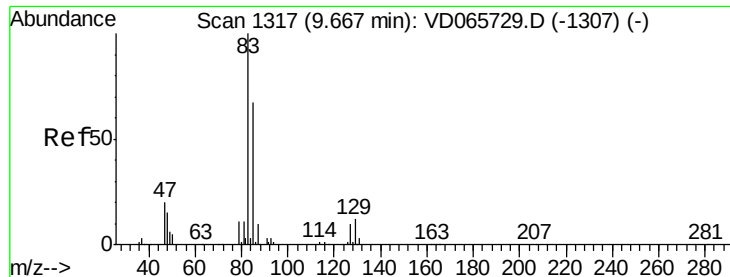
Tot Ion: 63 Resp: 61191
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.3 37.9



#46
 Dibromomethane
 Concen: 20.491 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

Tgt Ion: 93 Resp: 31828
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.4 98.2
 174 109.7 89.9 134.9





#47

Bromodichloromethane

Concen: 20.968 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

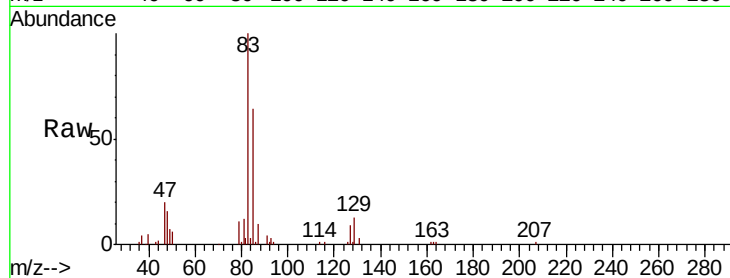
Tot Ion: 83 Resp: 85249

Ion Ratio Lower Upper

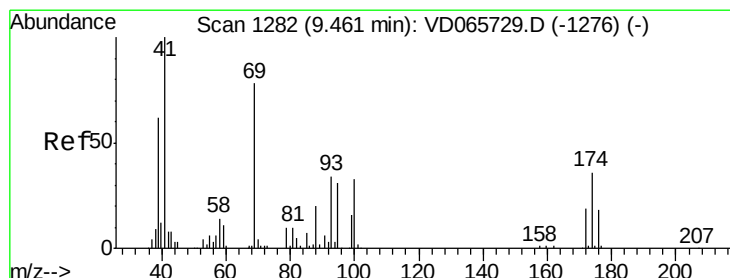
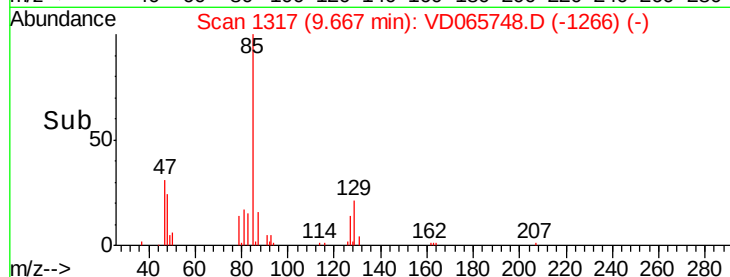
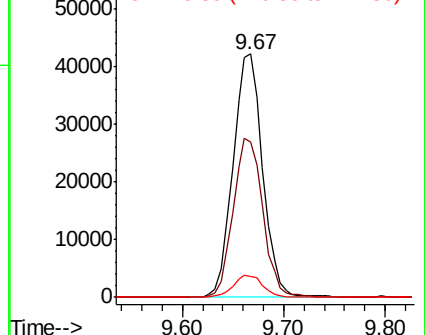
83 100

85 63.7 53.6 80.4

127 8.8 7.7 11.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 21.306 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

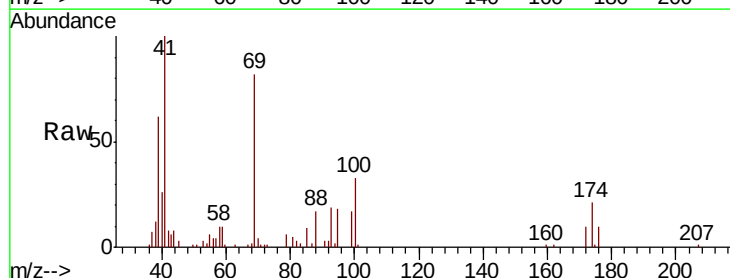
Tgt Ion: 41 Resp: 36081

Ion Ratio Lower Upper

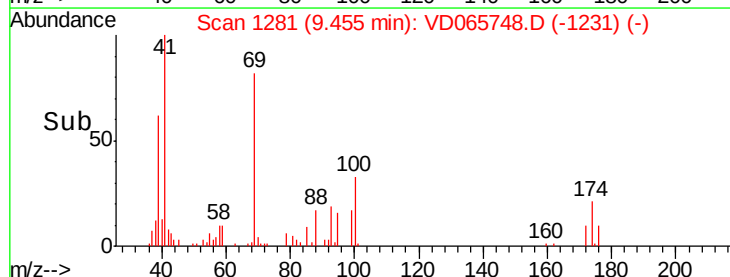
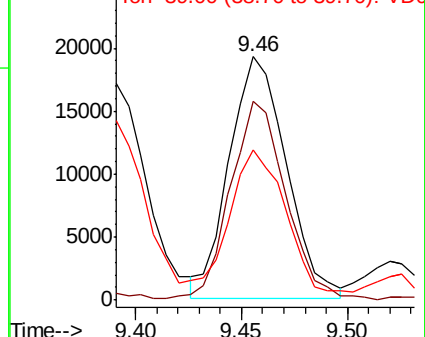
41 100

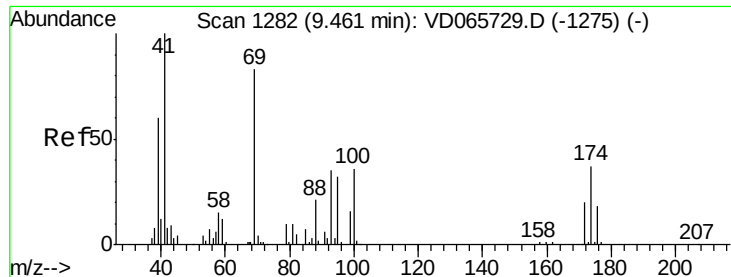
69 80.1 64.4 96.6

39 55.9 46.7 70.1



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

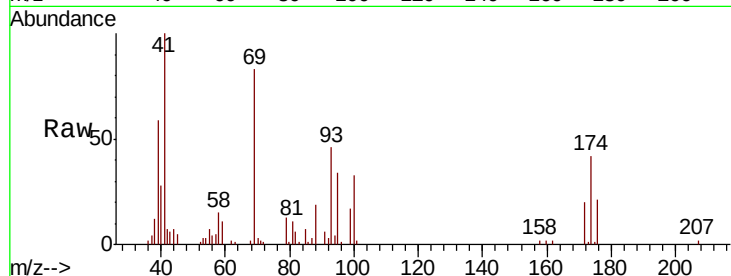




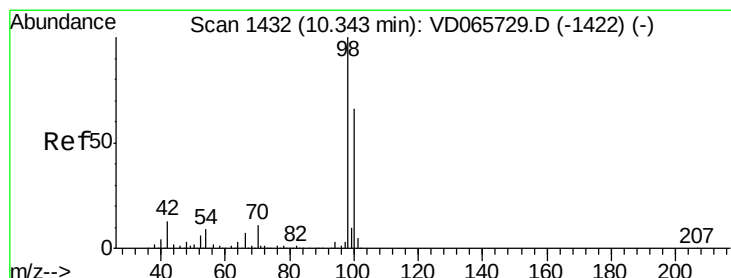
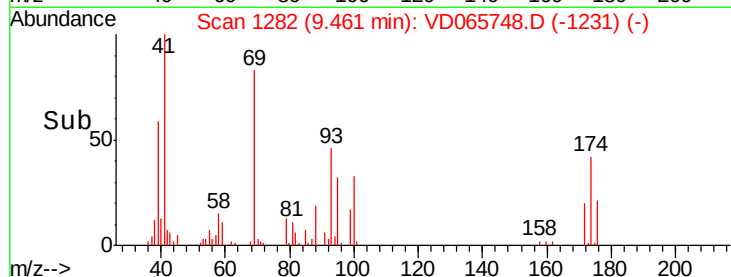
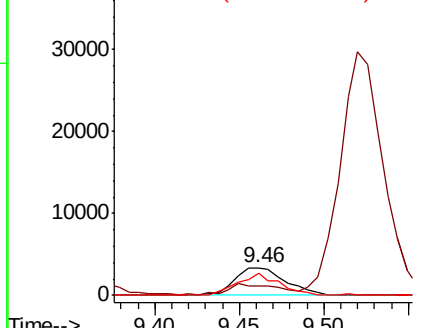
#49
 1,4-Dioxane
 Concen: 379.378 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Tot Ion: 88 Resp: 6953
 Ion Ratio Lower Upper
 88 100
 43 42.7 29.4 44.0
 58 66.4 55.1 82.7

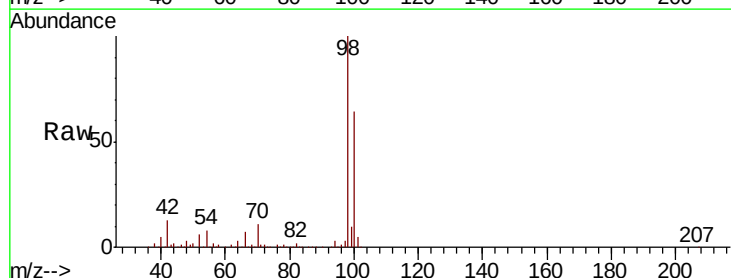


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

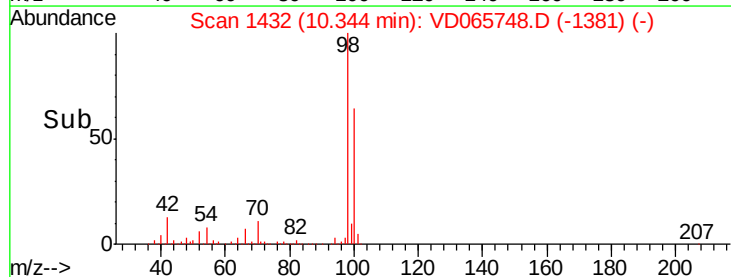
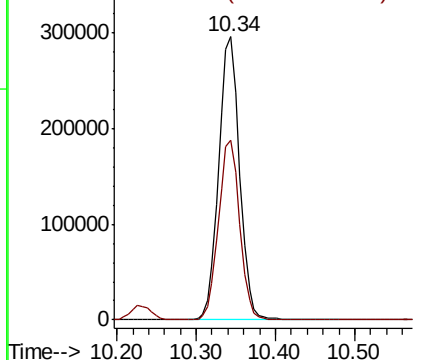


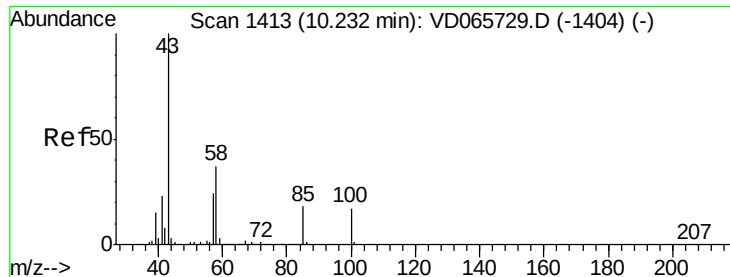
#50
 Toluene-d8
 Concen: 51.174 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

Tgt Ion: 98 Resp: 540004
 Ion Ratio Lower Upper
 98 100
 100 64.5 52.5 78.7



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

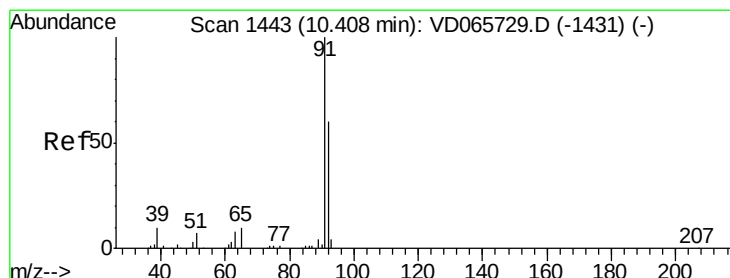
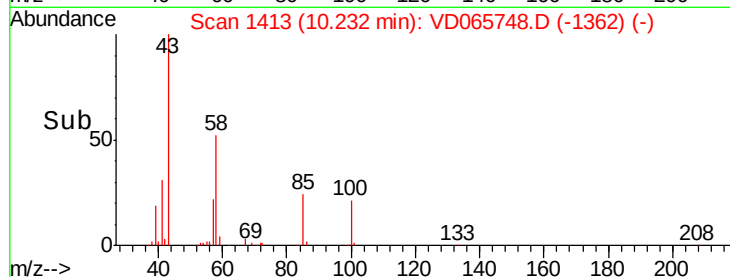
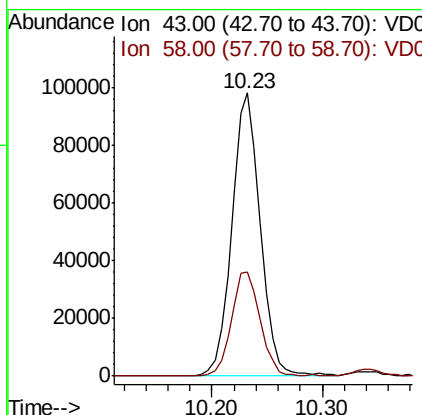
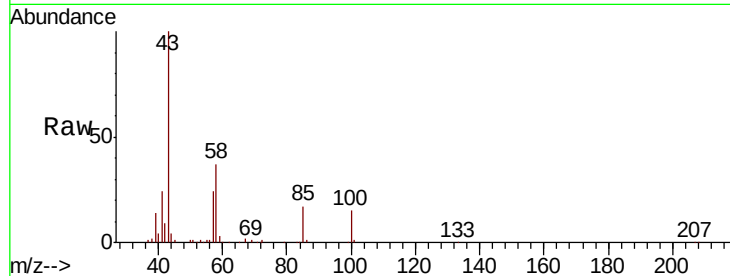




#51
4-Methyl-2-Pentanone
Concen: 102.447 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

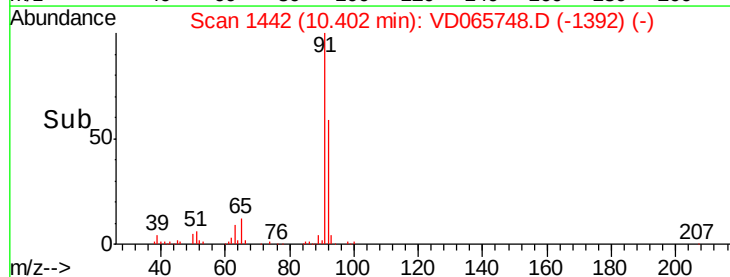
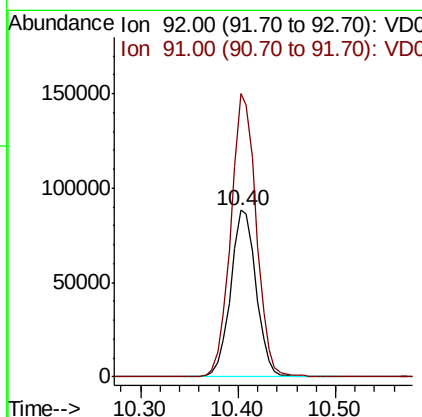
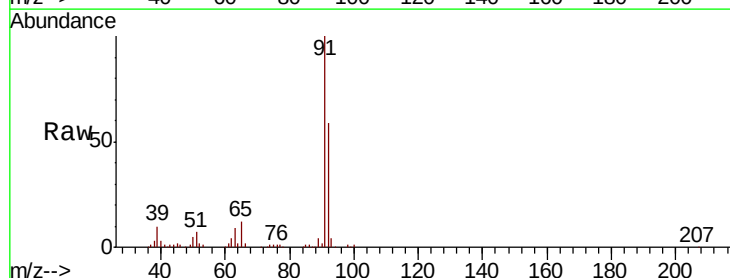
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

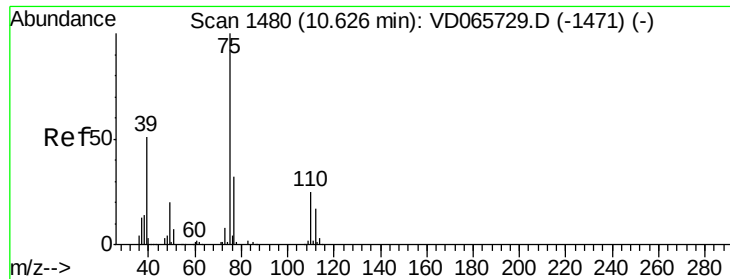
Tot Ion: 43 Resp: 176875
Ion Ratio Lower Upper
43 100
58 37.4 30.2 45.2



#52
Toluene
Concen: 20.883 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

Tgt Ion: 92 Resp: 159841
Ion Ratio Lower Upper
92 100
91 170.0 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 20.923 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

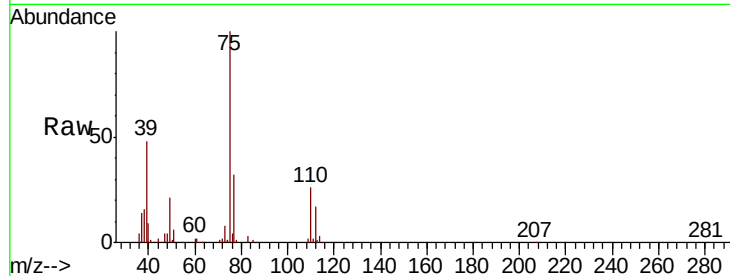
VD0515SBS01

Tot Ion: 75 Resp: 83104

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

50000

40000

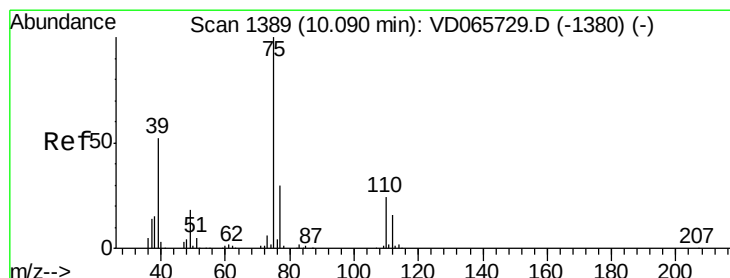
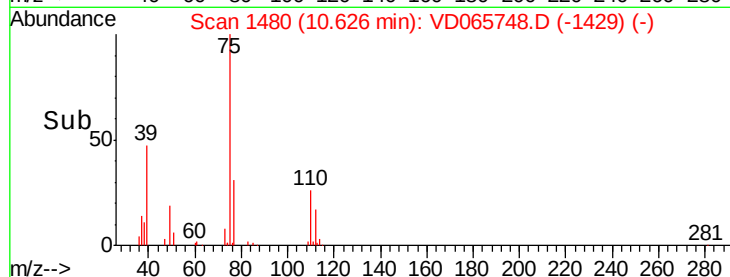
30000

20000

10000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.212 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

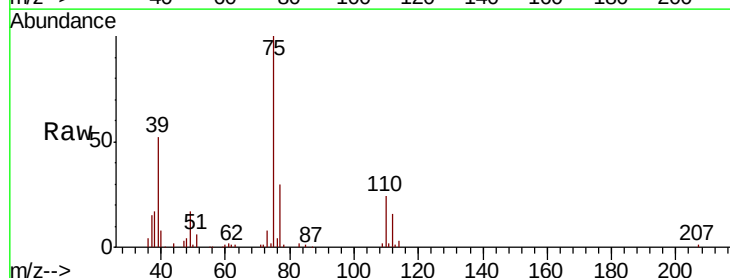
Tgt Ion: 75 Resp: 100216

Ion Ratio Lower Upper

75 100

77 29.7 23.8 35.6

39 52.0 41.9 62.9



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.09

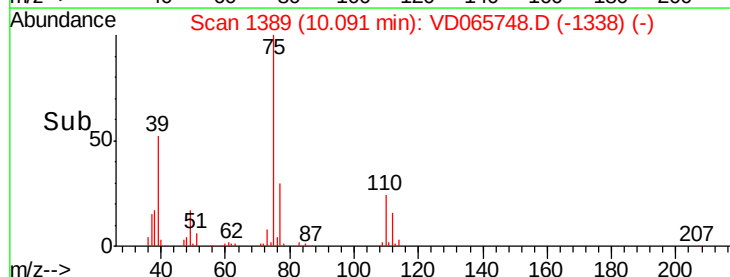
60000

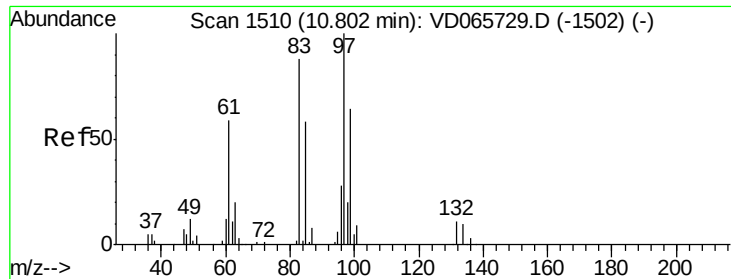
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.332 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

Tot Ion: 97 Resp: 45138

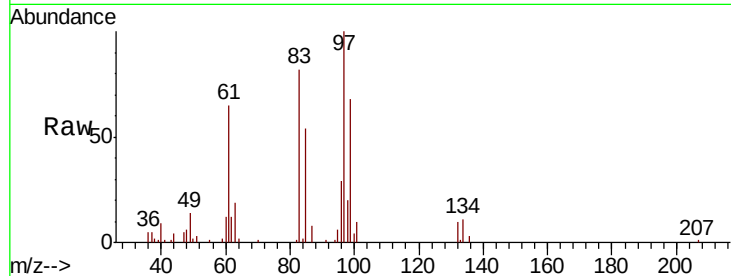
Ion Ratio Lower Upper

97 100

83 81.8 70.7 106.1

85 53.7 46.8 70.2

99 68.0 50.9 76.3



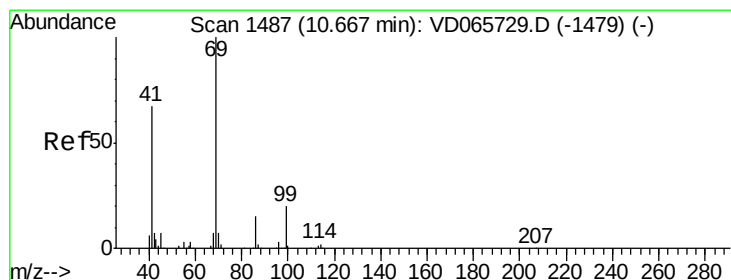
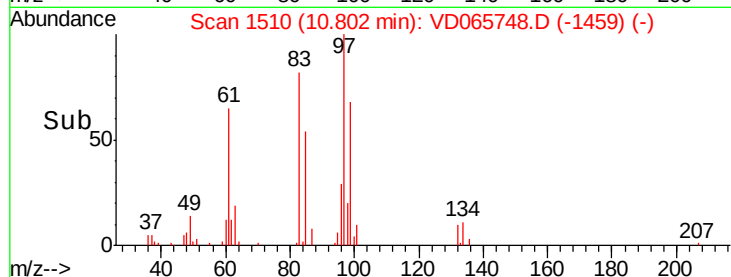
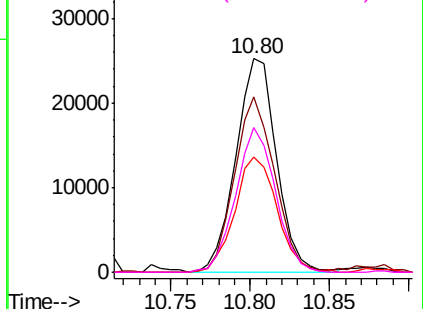
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.395 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

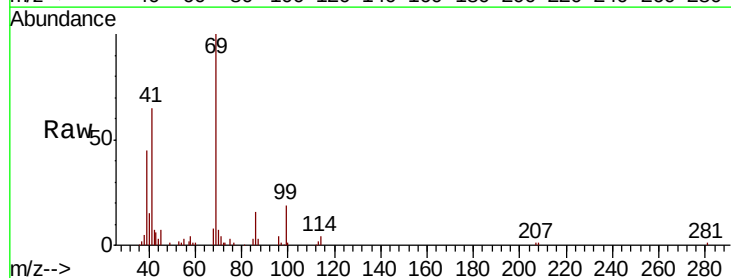
Tgt Ion: 69 Resp: 56249

Ion Ratio Lower Upper

69 100

41 67.8 55.7 83.5

39 43.2 28.6 43.0#

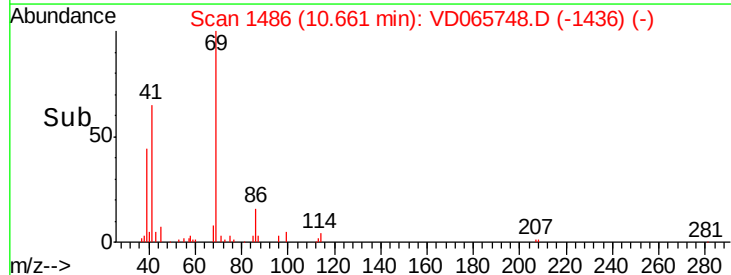
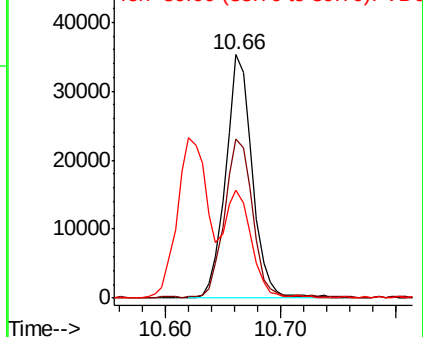


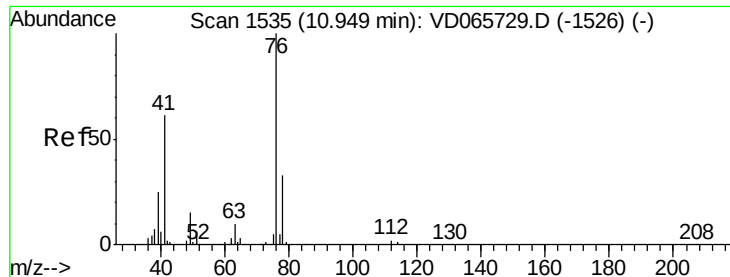
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 21.115 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

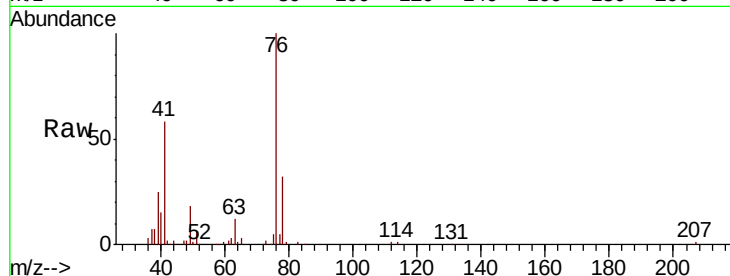
VD0515SBS01

Tot Ion: 76 Resp: 77712

Ion Ratio Lower Upper

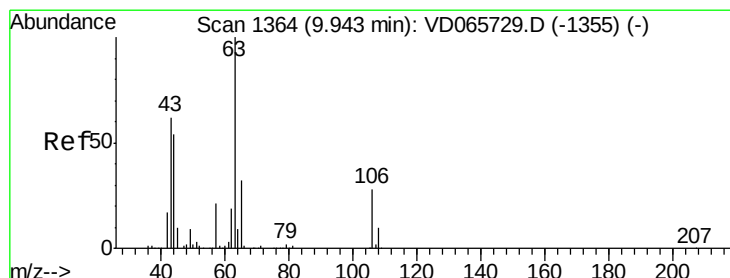
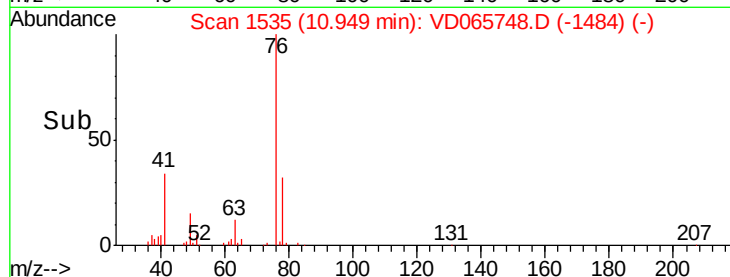
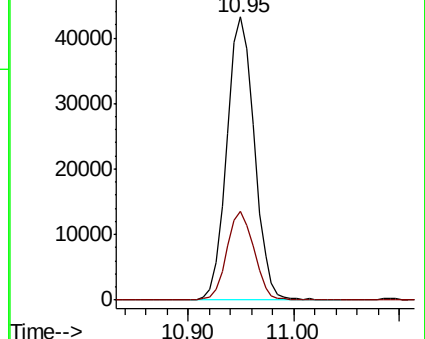
76 100

78 30.9 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 102.121 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065748.D

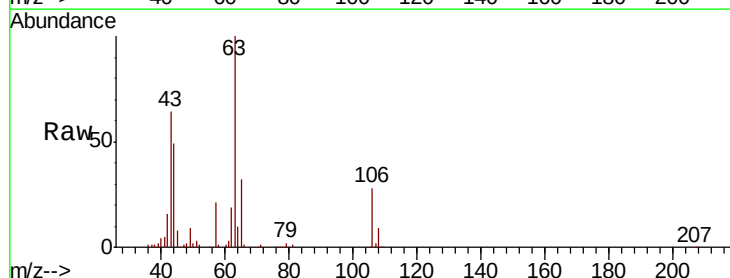
Acq: 15 May 2020 13:14

Tgt Ion: 63 Resp: 131030

Ion Ratio Lower Upper

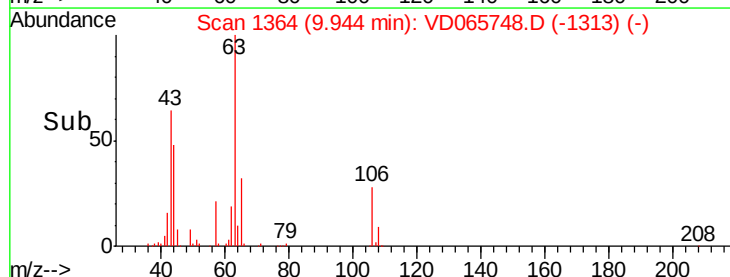
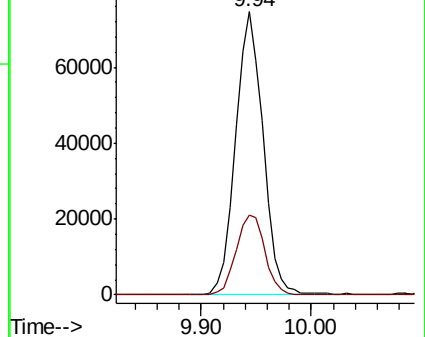
63 100

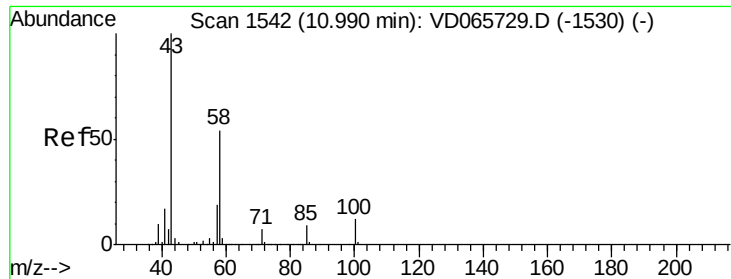
106 29.5 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

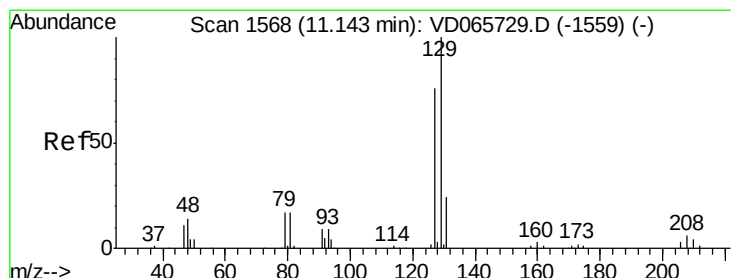
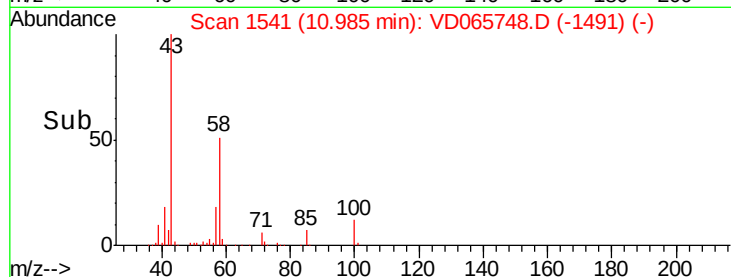
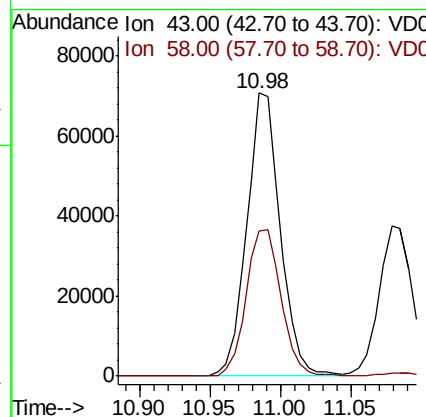
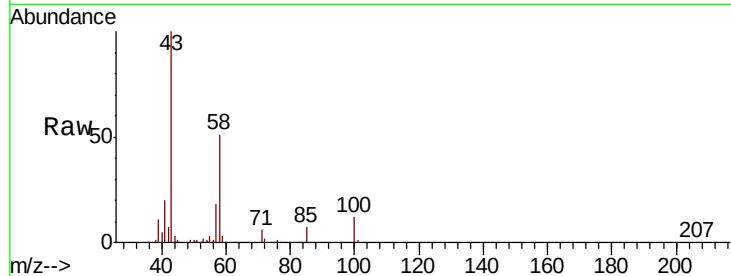




#59
2-Hexanone
Concen: 99.918 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

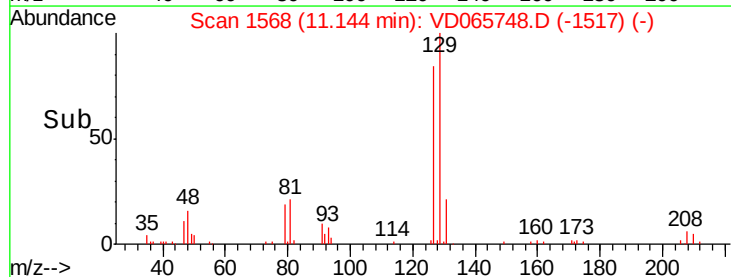
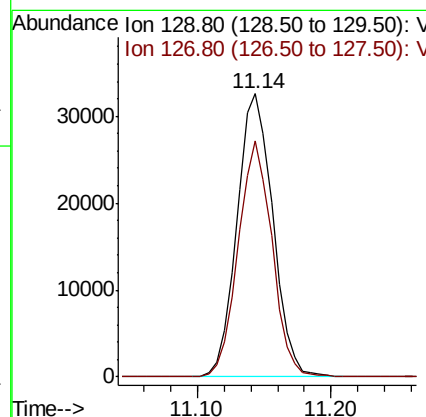
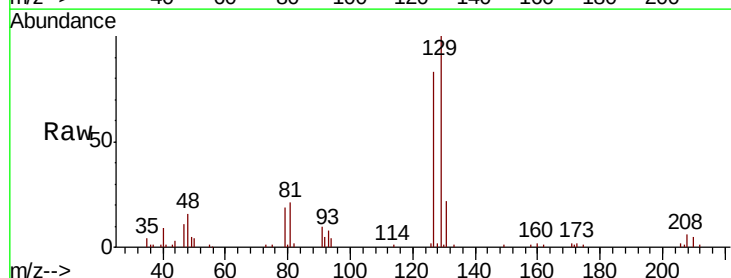
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

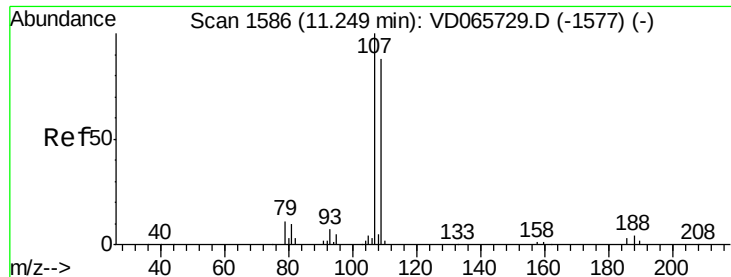
Tot Ion: 43 Resp: 117474
Ion Ratio Lower Upper
43 100
58 54.0 26.7 80.1



#60
Dibromochloromethane
Concen: 21.409 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

Tgt Ion: 129 Resp: 60664
Ion Ratio Lower Upper
129 100
127 78.8 38.3 114.9

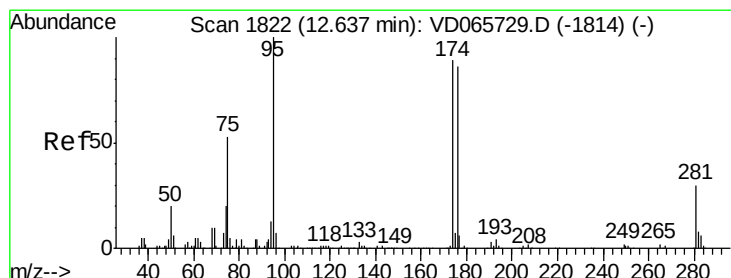
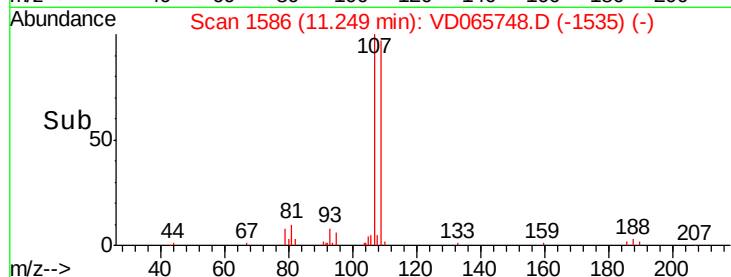
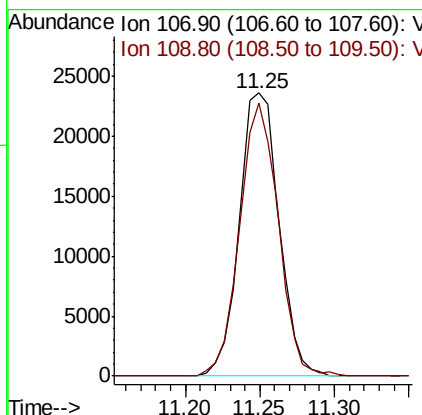
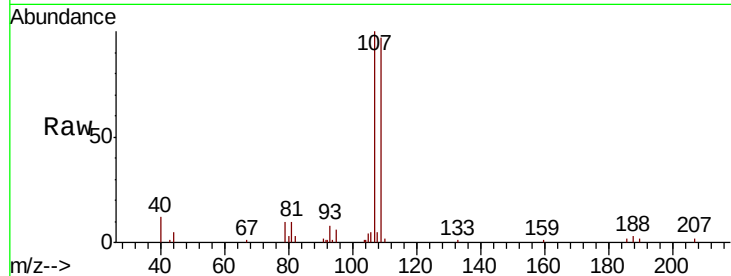




#61
 1,2-Dibromoethane
 Concen: 20.512 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

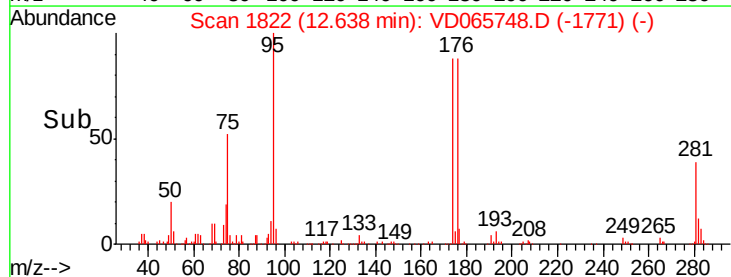
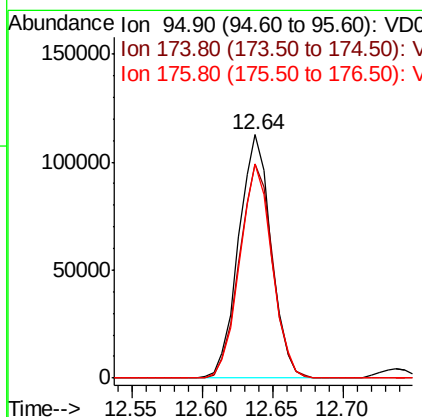
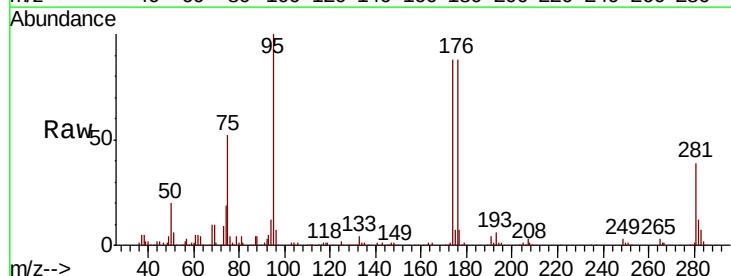
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

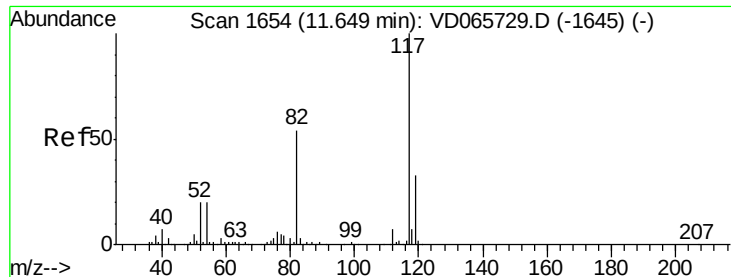
Tot Ion:107 Resp: 43350
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 50.752 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

Tgt Ion: 95 Resp: 181371
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 179.4
 176 87.2 0.0 174.0

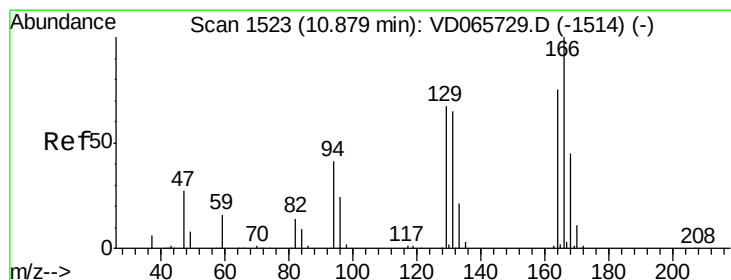
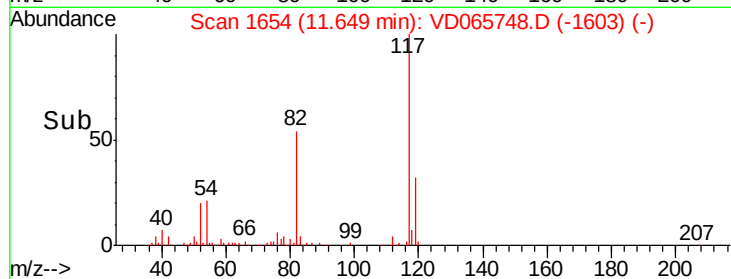
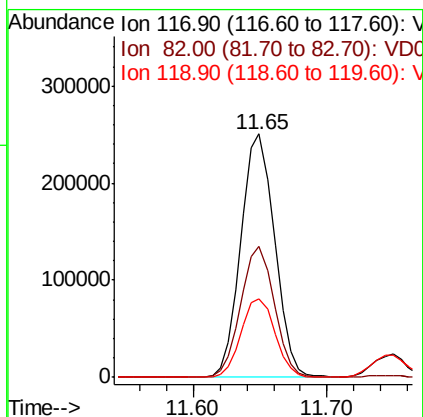
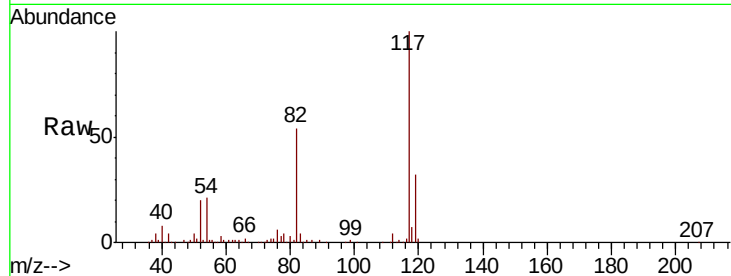




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

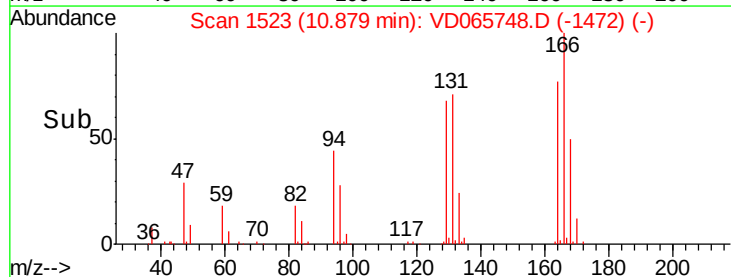
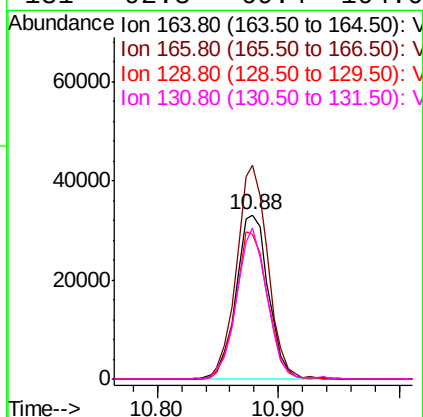
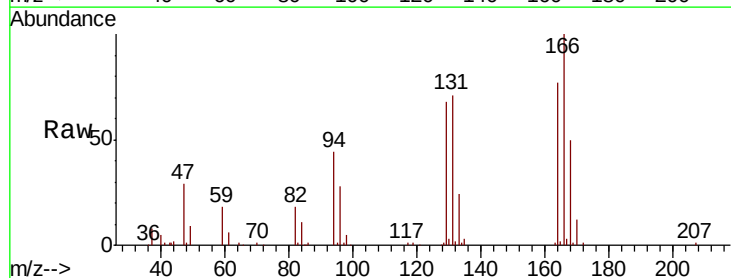
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

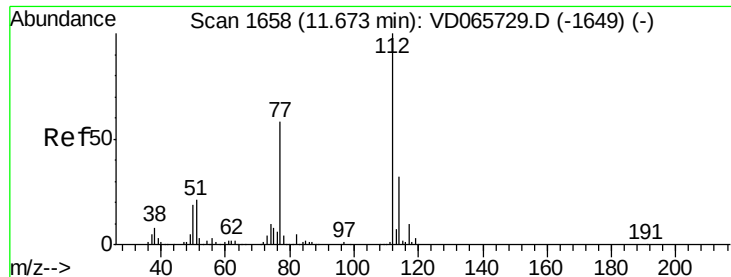
Tot Ion:117 Resp: 439864
Ion Ratio Lower Upper
117 100
82 53.9 43.0 64.6
119 32.4 26.6 40.0



#64
Tetrachloroethene
Concen: 20.352 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

Tgt Ion:164 Resp: 61903
Ion Ratio Lower Upper
164 100
166 130.3 106.6 159.8
129 88.6 71.4 107.2
131 92.3 69.4 104.0

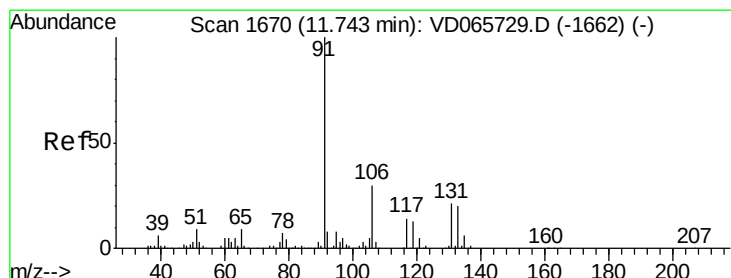
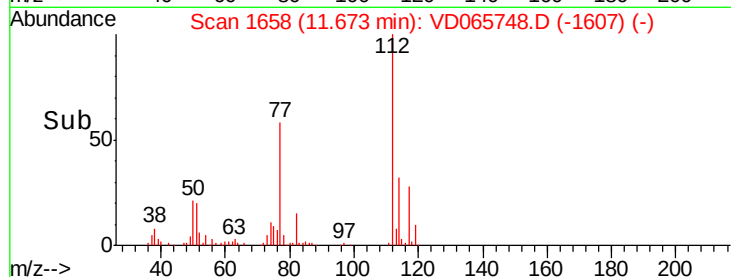
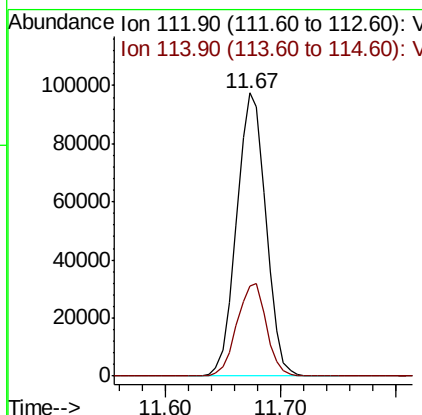
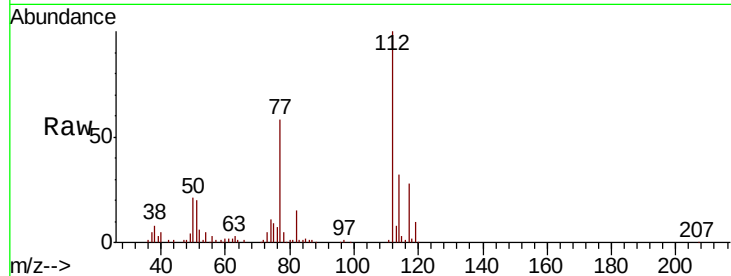




#65
Chlorobenzene
Concen: 20.647 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

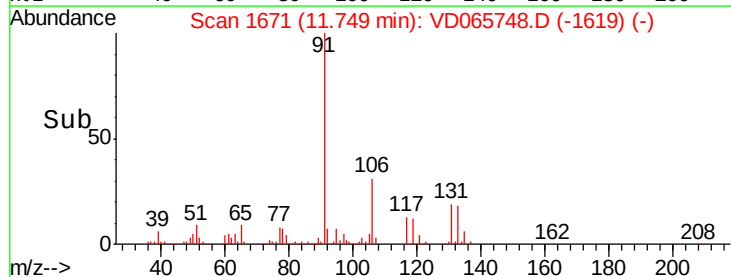
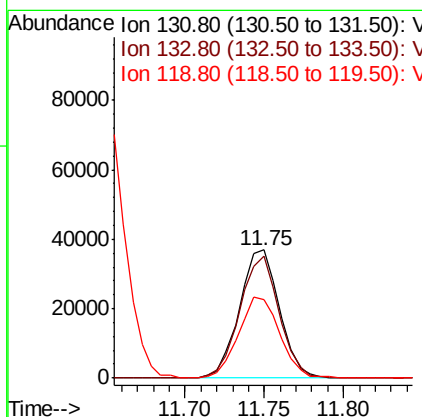
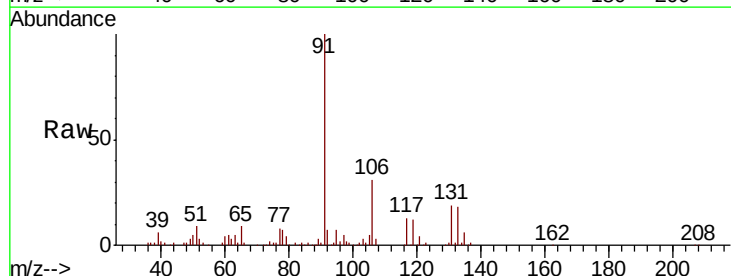
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

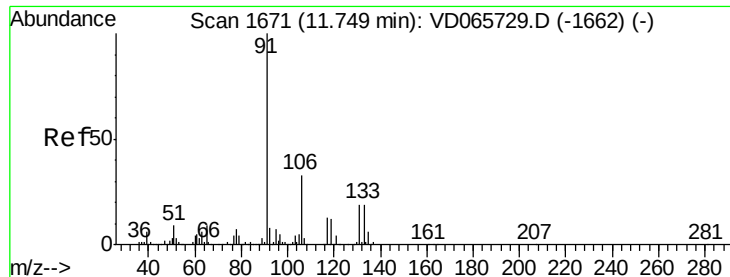
Tot Ion:112 Resp: 171140
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.836 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

Tgt Ion:131 Resp: 64660
Ion Ratio Lower Upper
131 100
133 94.4 47.6 142.8
119 65.4 31.6 95.0





#67

Ethyl Benzene

Concen: 21.030 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

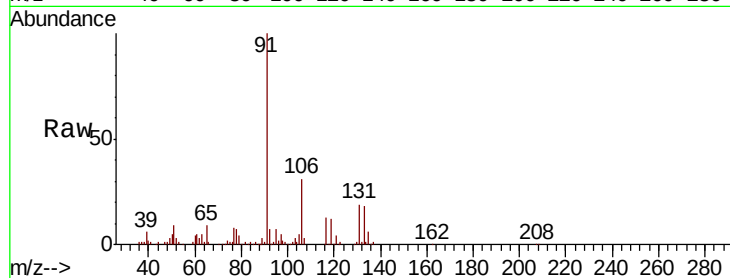
VD0515SBS01

Tot Ion: 91 Resp: 310809

Ion Ratio Lower Upper

91 100

106 31.4 26.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VD065729.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD065729.D (-1662) (-)

250000

200000

150000

100000

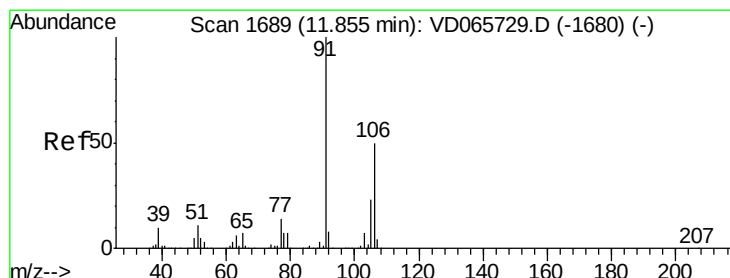
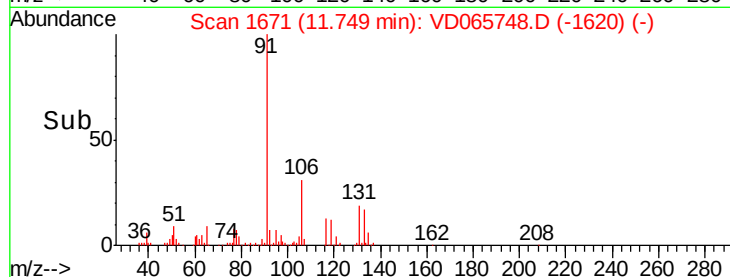
50000

0

11.70

11.80

Time-->



#68

m/p-Xylenes

Concen: 41.353 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065748.D

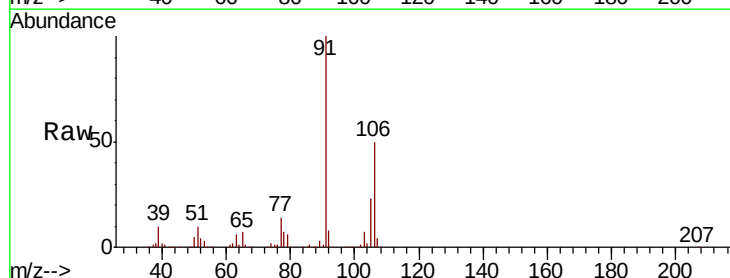
Acq: 15 May 2020 13:14

Tgt Ion: 106 Resp: 233428

Ion Ratio Lower Upper

106 100

91 196.8 158.7 238.1



Abundance Ion 106.00 (105.70 to 106.70): VD065729.D (-1680) (-)

Ion 91.00 (90.70 to 91.70): VD065729.D (-1680) (-)

250000

200000

150000

100000

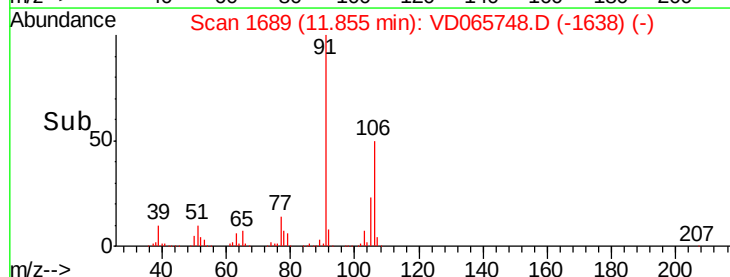
50000

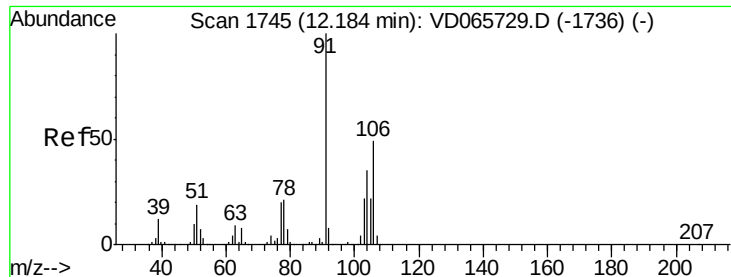
0

11.80

11.90

Time-->

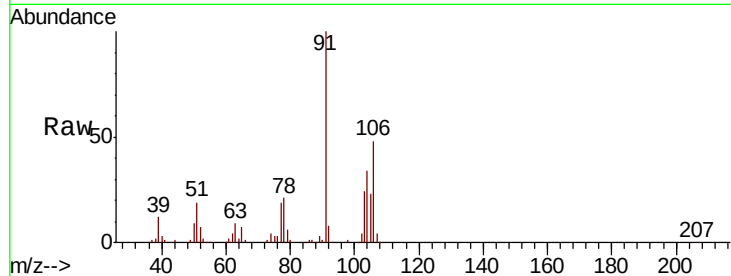




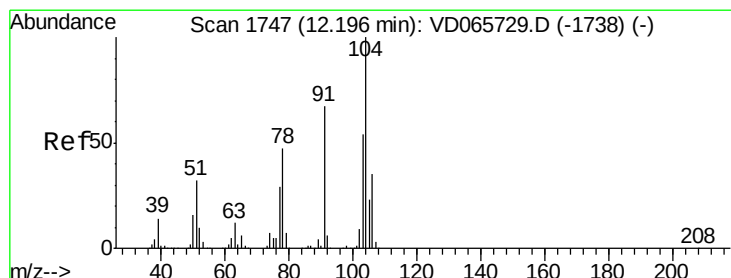
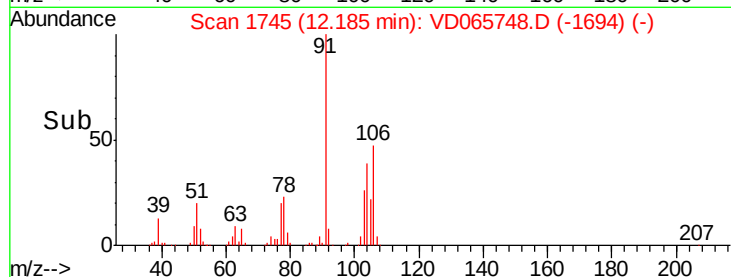
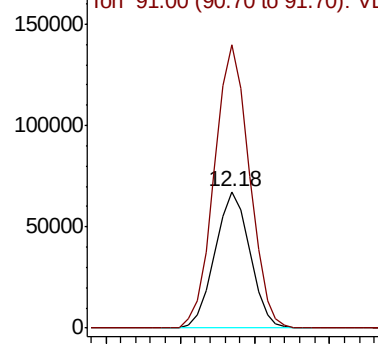
#69
o-Xylene
Concen: 20.793 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

Tot Ion:106 Resp: 109266
Ion Ratio Lower Upper
106 100
91 208.2 101.8 305.4

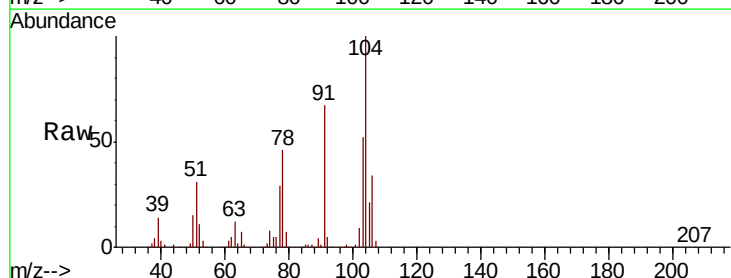


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

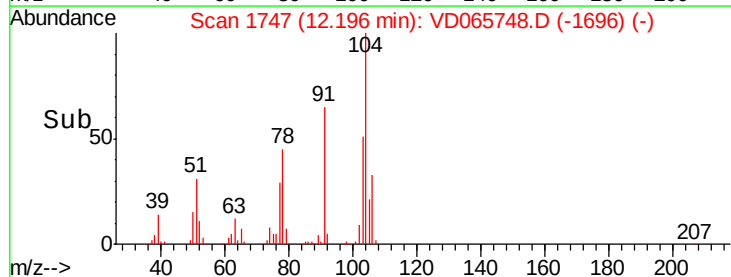
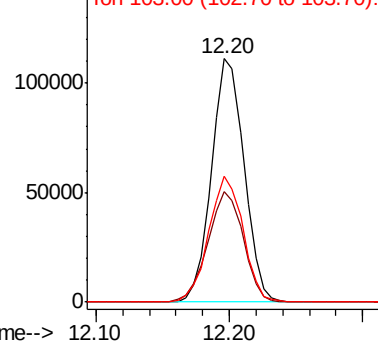


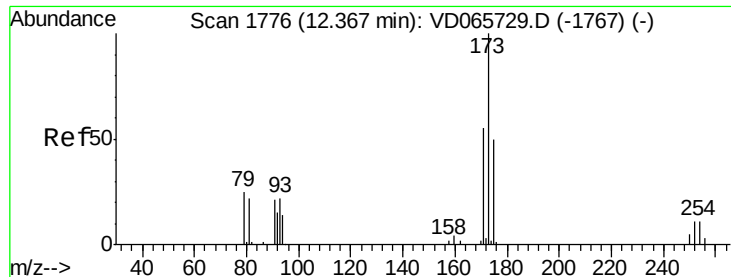
#70
Styrene
Concen: 20.896 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

Tgt Ion:104 Resp: 187394
Ion Ratio Lower Upper
104 100
78 49.4 39.0 58.6
103 54.7 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.962 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

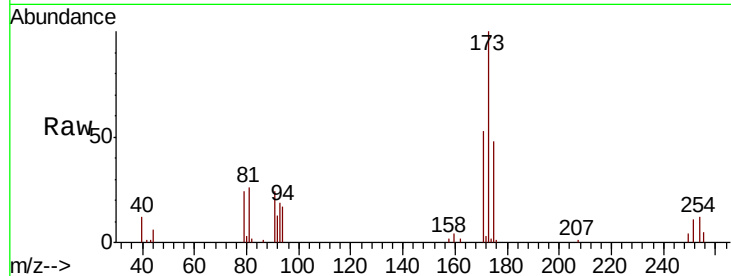
Tot Ion:173 Resp: 35903

Ion Ratio Lower Upper

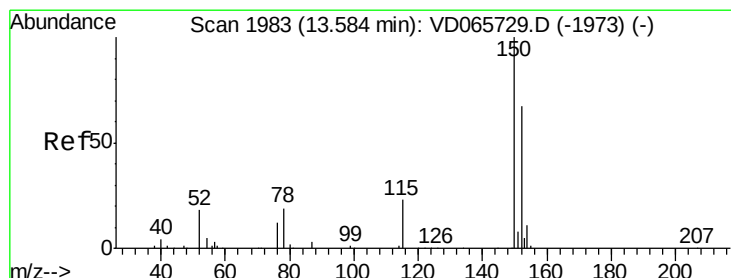
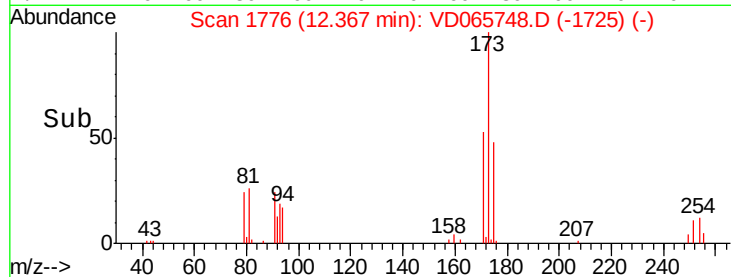
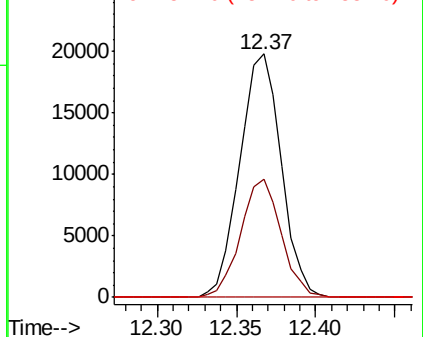
173 100

175 47.5 24.6 73.6

254 0.0 0.0 0.0



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: VD065748.D

Acq: 15 May 2020 13:14

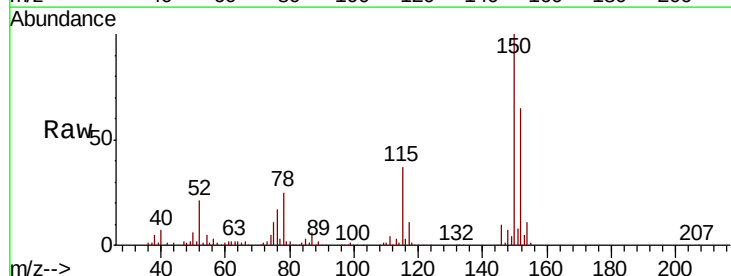
Tgt Ion:152 Resp: 216922

Ion Ratio Lower Upper

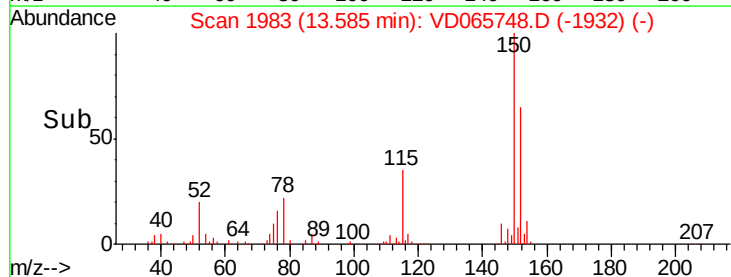
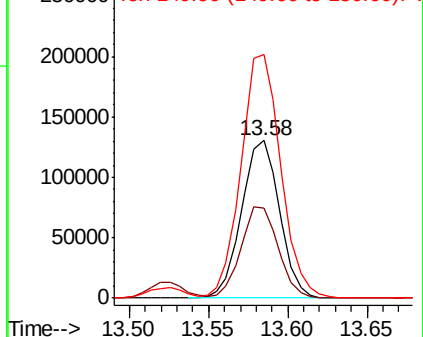
152 100

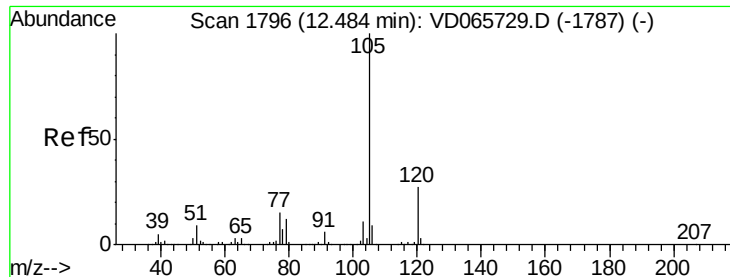
115 56.8 28.1 84.3

150 162.5 0.0 343.2



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: 20.634 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

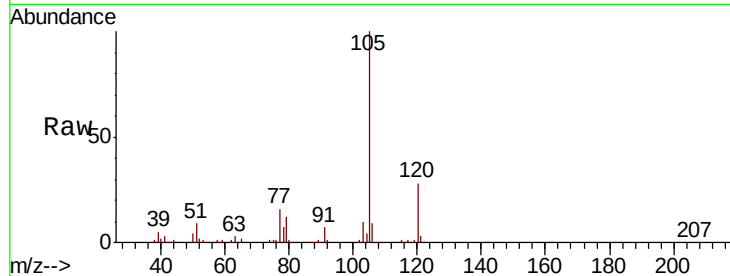
VD0515SBS01

Tot Ion:105 Resp: 300497

Ion Ratio Lower Upper

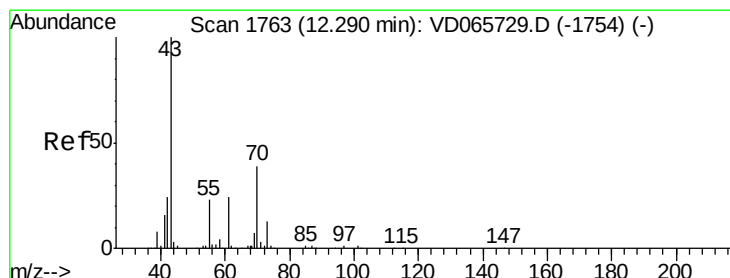
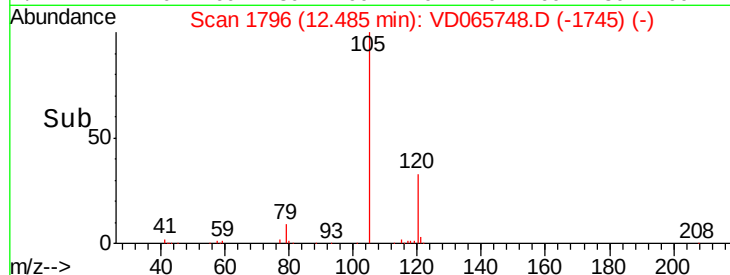
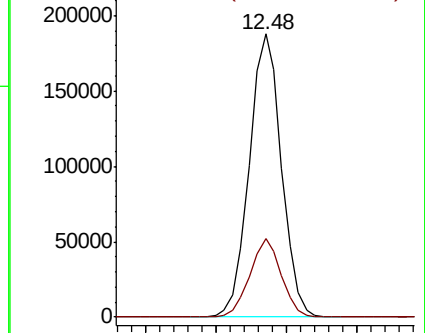
105 100

120 26.9 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.130 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Tgt Ion: 43 Resp: 68063

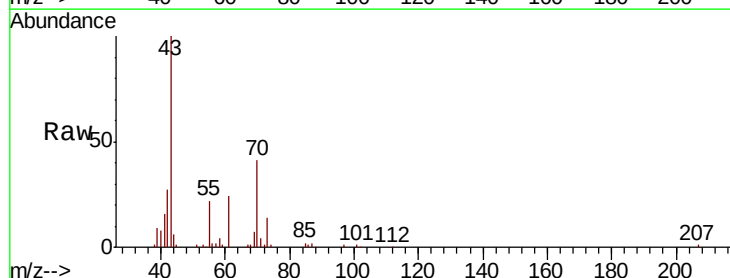
Ion Ratio Lower Upper

43 100

70 39.8 31.8 47.6

55 22.4 17.9 26.9

61 23.5 19.0 28.6

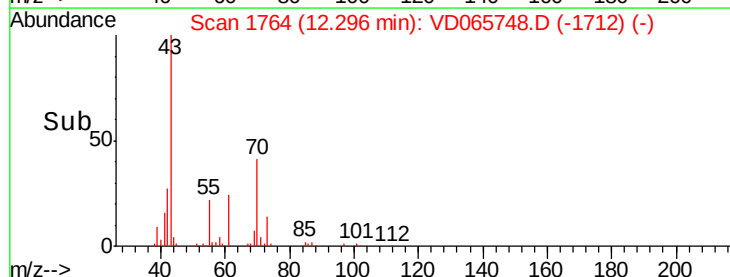
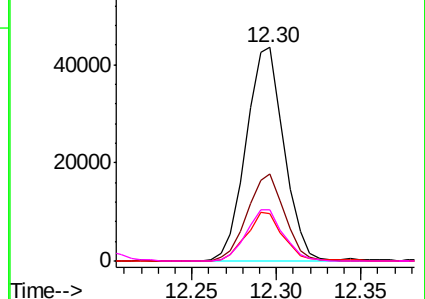


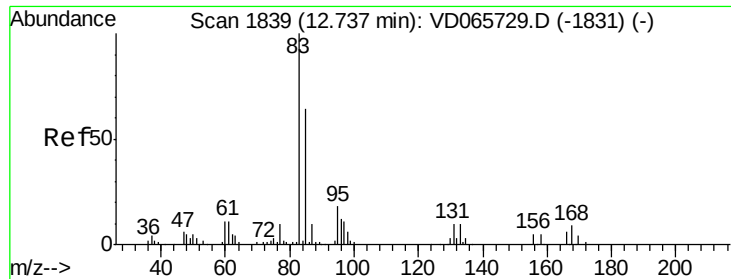
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.640 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

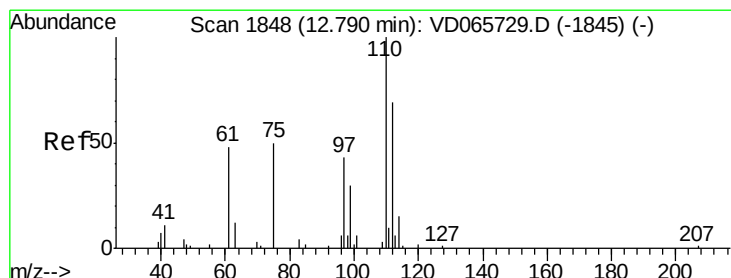
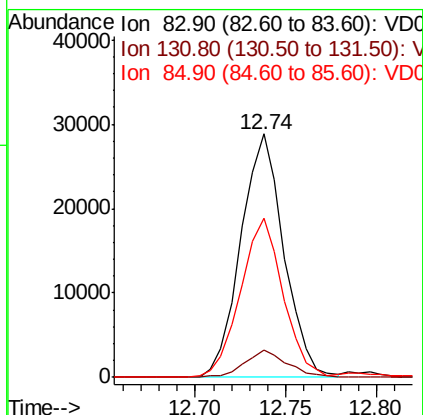
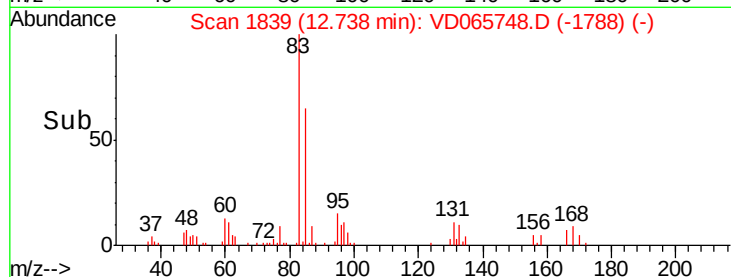
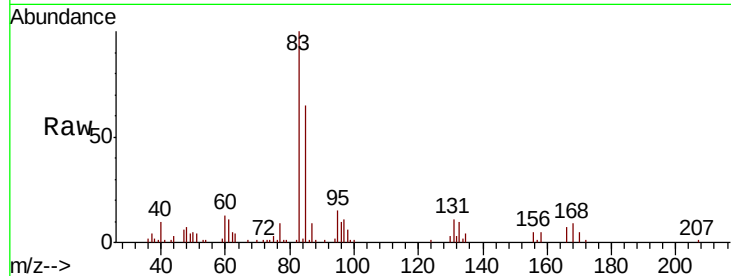
Tot Ion: 83 Resp: 47573

Ion Ratio Lower Upper

83 100

131 11.2 5.9 17.6

85 64.8 32.5 97.4



#76

1,2,3-Trichloropropane

Concen: 18.975 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065748.D

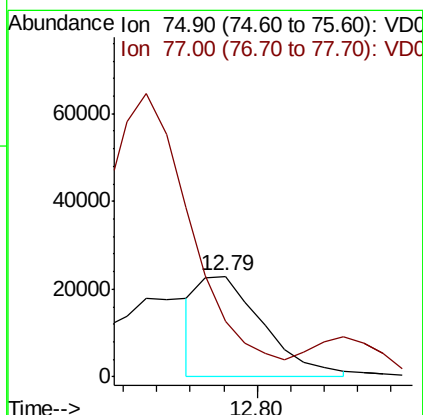
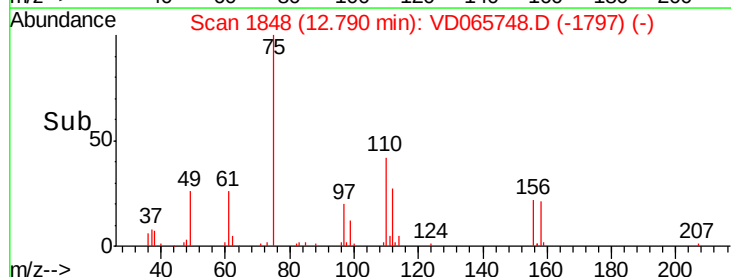
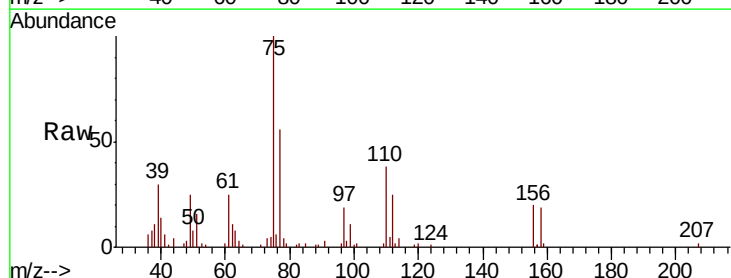
Acq: 15 May 2020 13:14

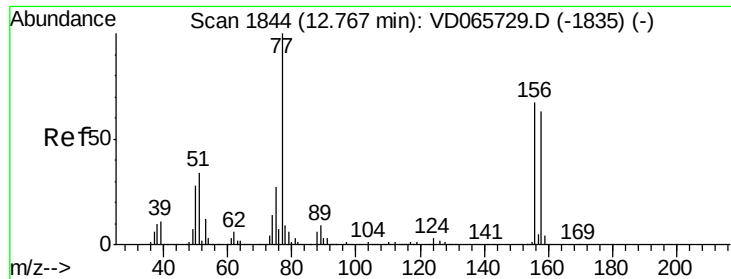
Tgt Ion: 75 Resp: 30718

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.962 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

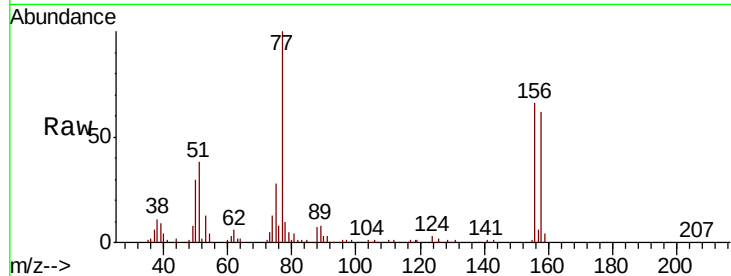
Tot Ion:156 Resp: 73580

Ion Ratio Lower Upper

156 100

77 164.5 84.9 254.6

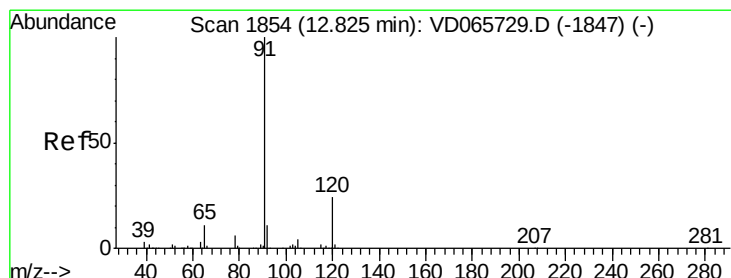
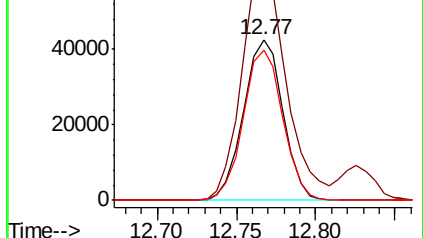
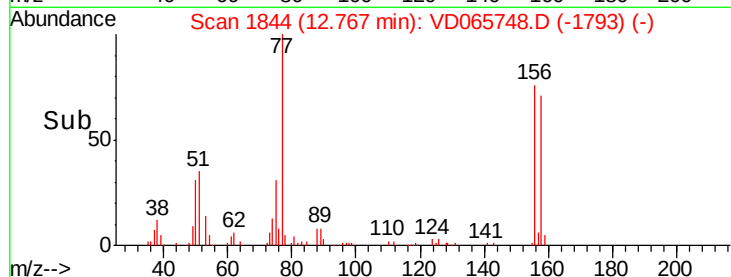
158 93.7 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.637 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065748.D

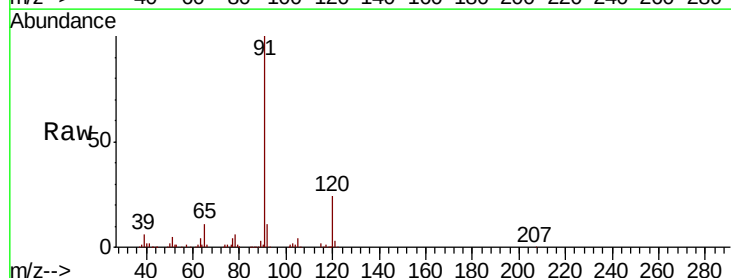
Acq: 15 May 2020 13:14

Tgt Ion: 91 Resp: 351068

Ion Ratio Lower Upper

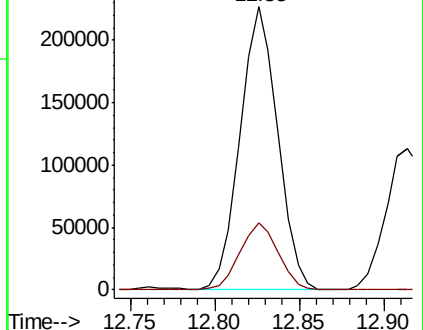
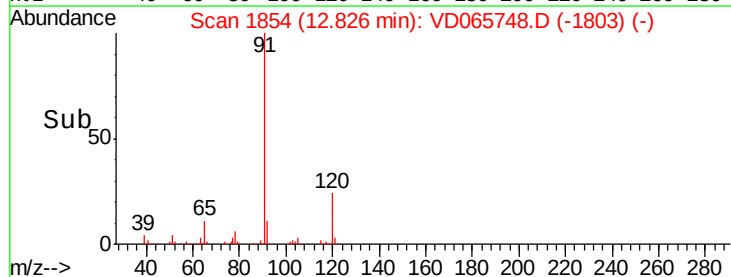
91 100

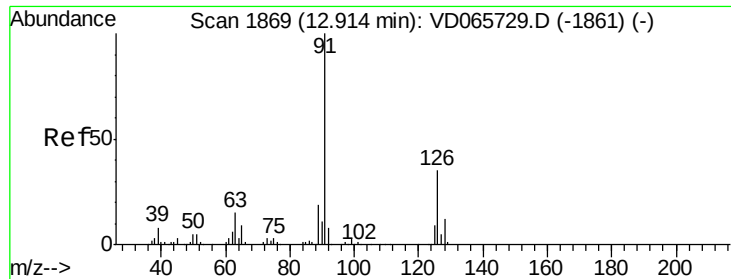
120 24.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

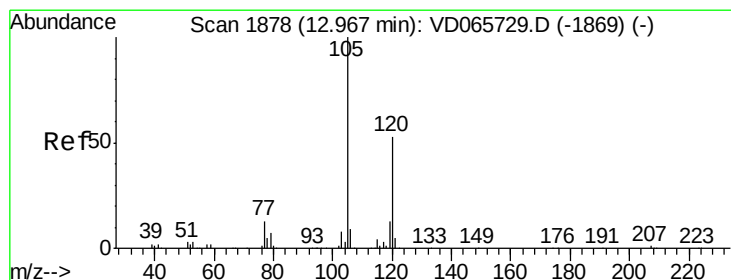
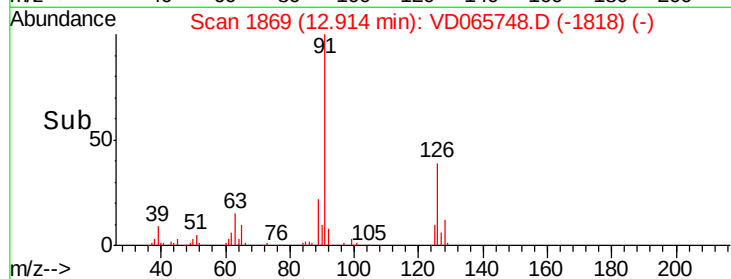
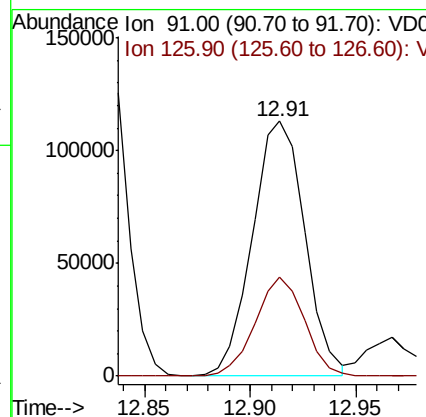
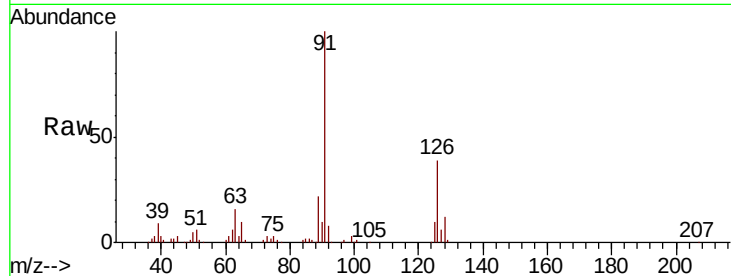




#79
 2-Chlorotoluene
 Concen: 20.673 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

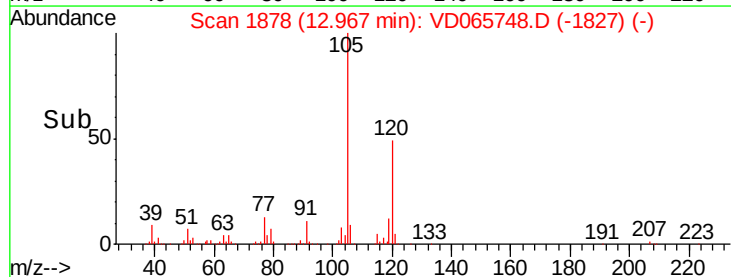
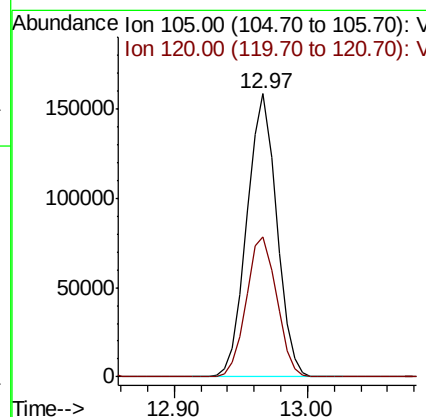
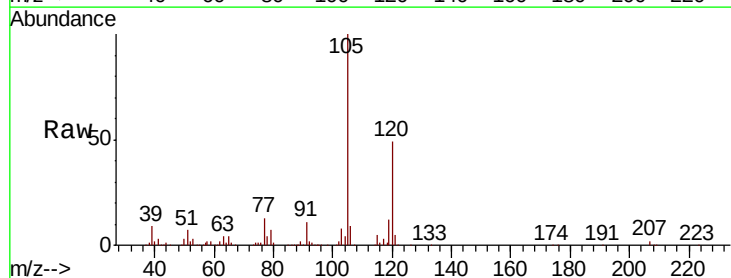
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

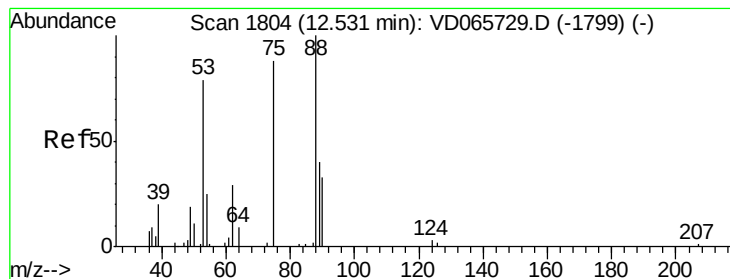
Tot Ion: 91 Resp: 194583
 Ion Ratio Lower Upper
 91 100
 126 36.5 18.1 54.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.323 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

Tgt Ion: 105 Resp: 243855
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.632 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

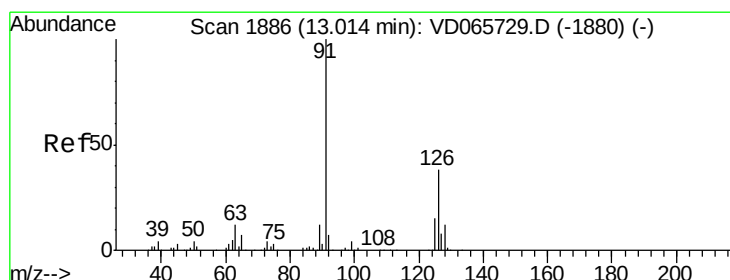
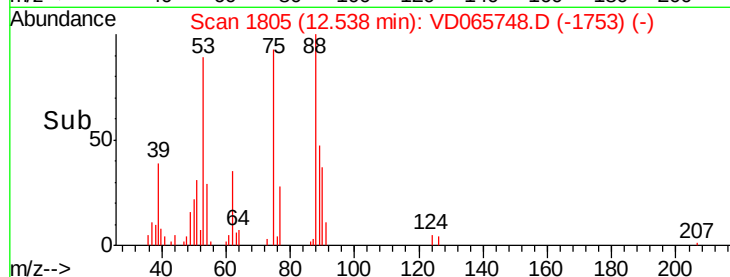
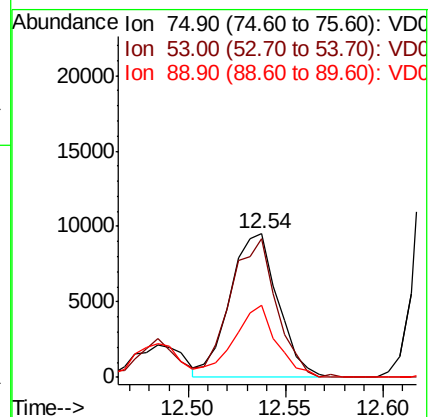
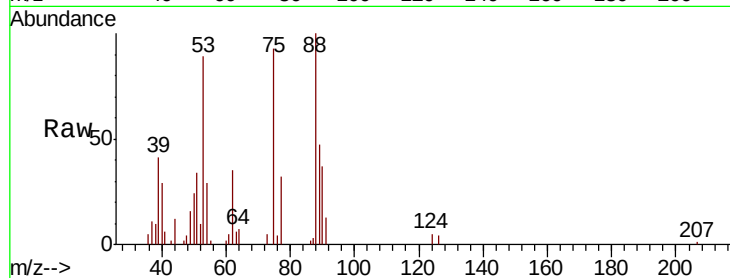
Tot Ion: 75 Resp: 16200

Ion Ratio Lower Upper

75 100

53 93.3 72.6 109.0

89 45.4 37.0 55.4



#82

4-Chlorotoluene

Concen: 20.721 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065748.D

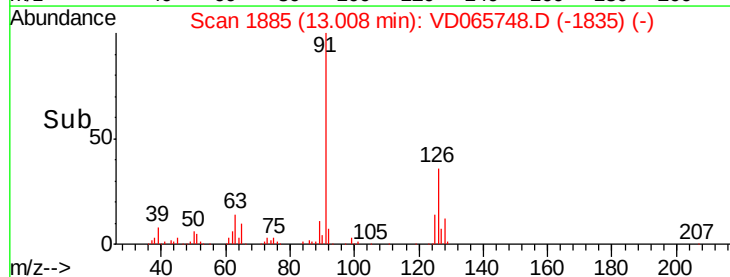
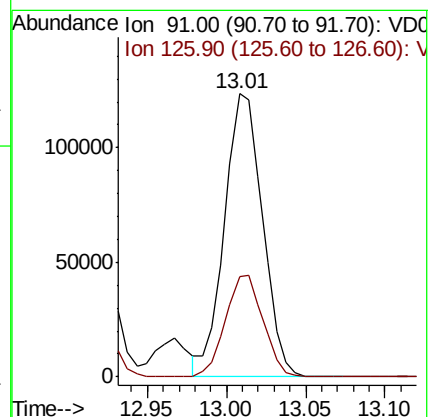
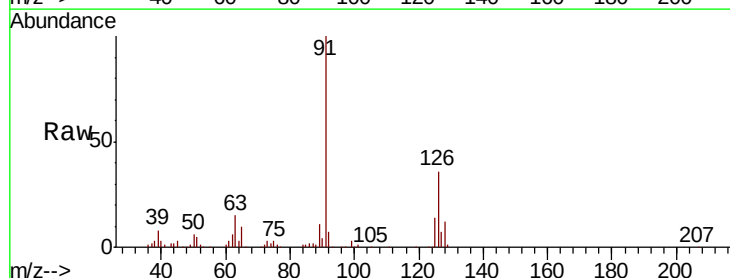
Acq: 15 May 2020 13:14

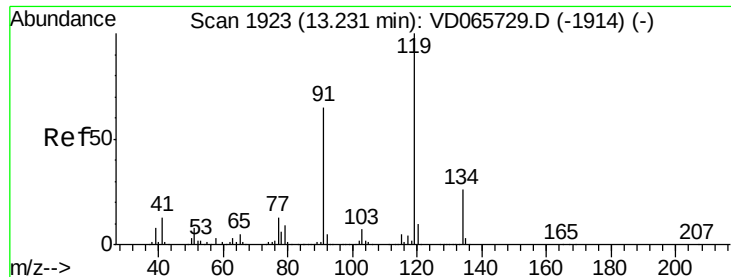
Tgt Ion: 91 Resp: 205625

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.3

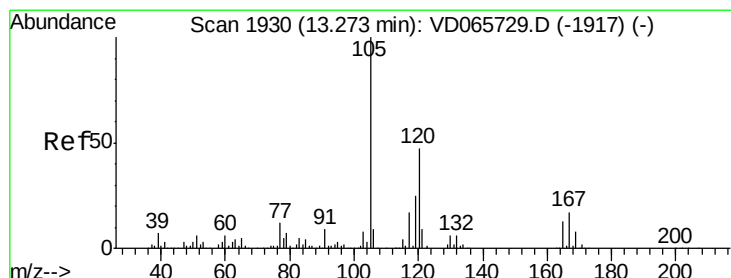
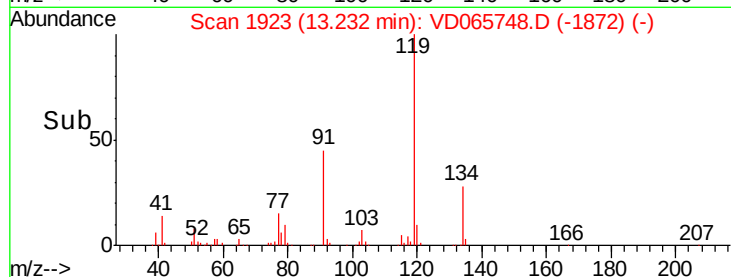
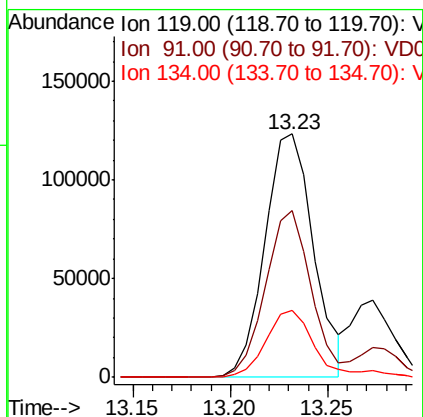
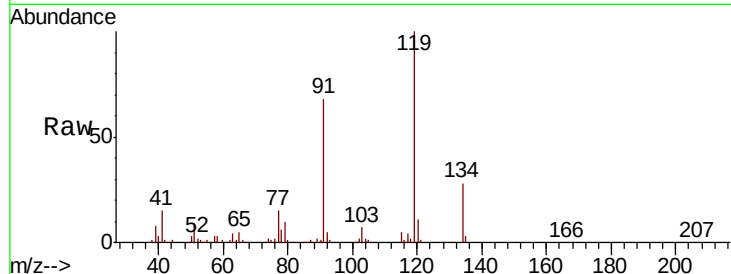




#83
 tert-Butylbenzene
 Concen: 20.065 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

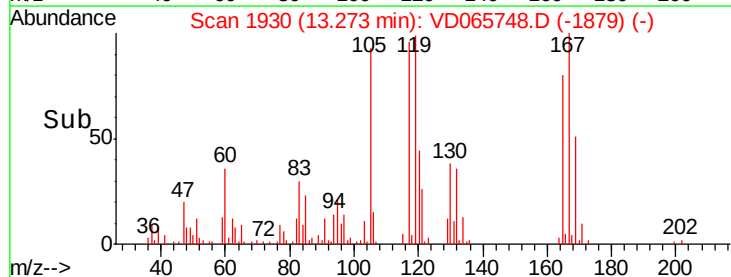
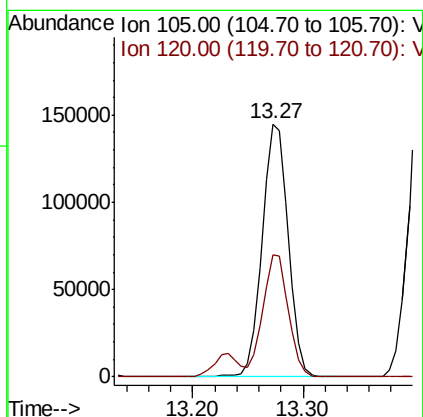
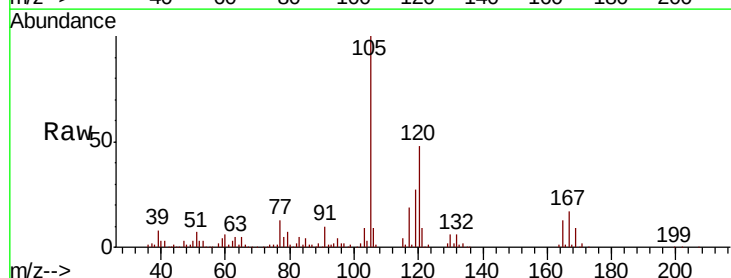
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

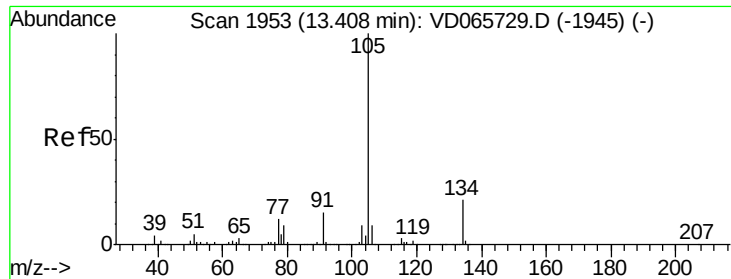
Tot Ion:119 Resp: 213492
 Ion Ratio Lower Upper
 119 100
 91 65.0 31.6 95.0
 134 28.1 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.296 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

Tgt Ion:105 Resp: 240179
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.6 70.8





#85

sec-Butylbenzene

Concen: 20.699 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

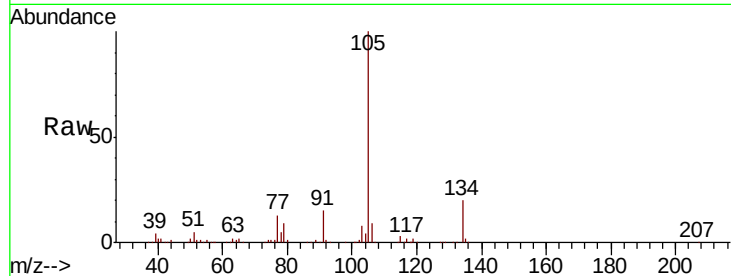
VD0515SBS01

Tot Ion:105 Resp: 299678

Ion Ratio Lower Upper

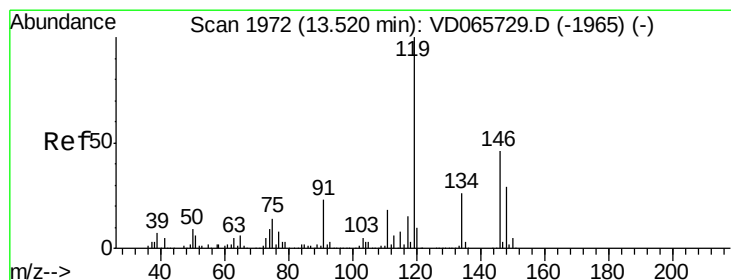
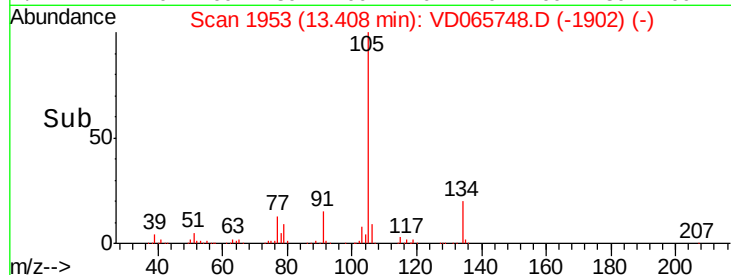
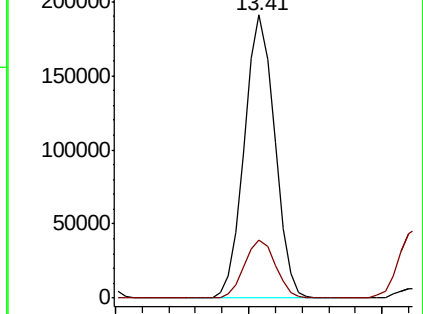
105 100

134 21.1 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.517 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

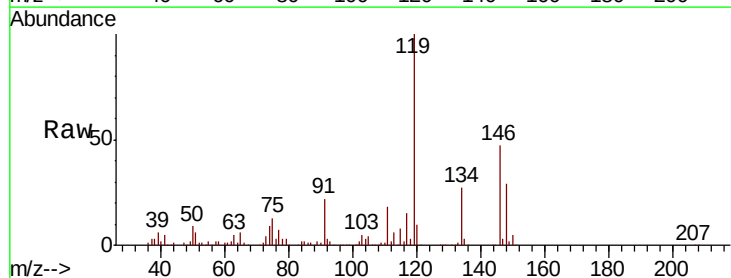
Tgt Ion:119 Resp: 273031

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.7

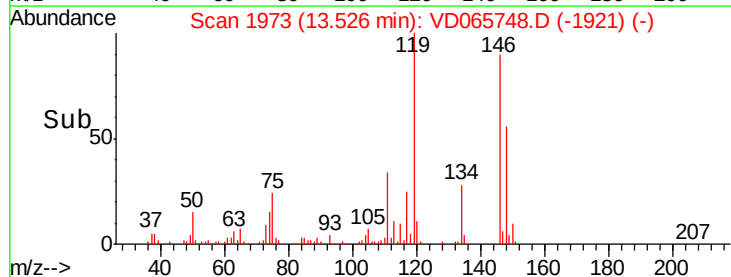
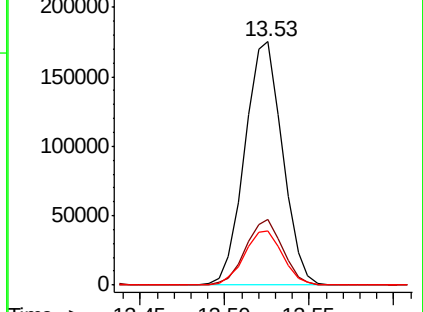
91 22.7 11.7 35.1

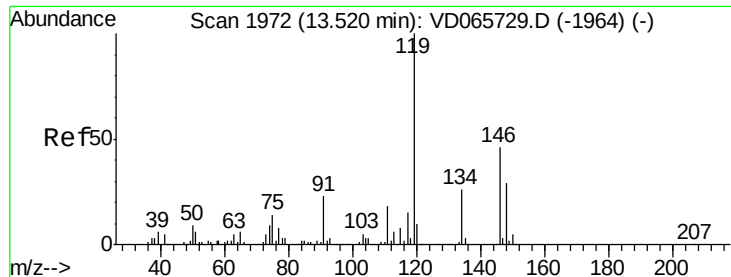


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

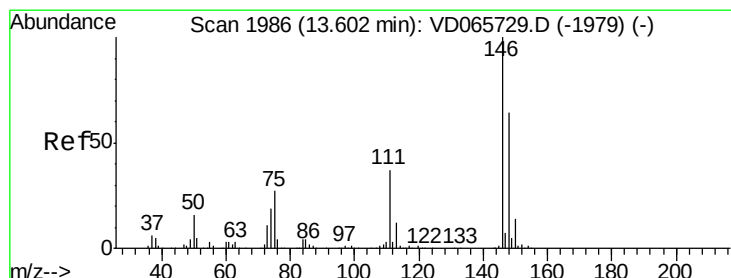
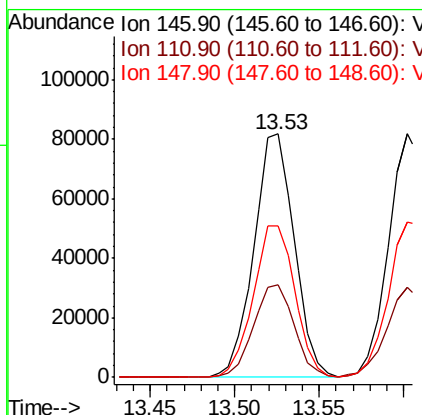
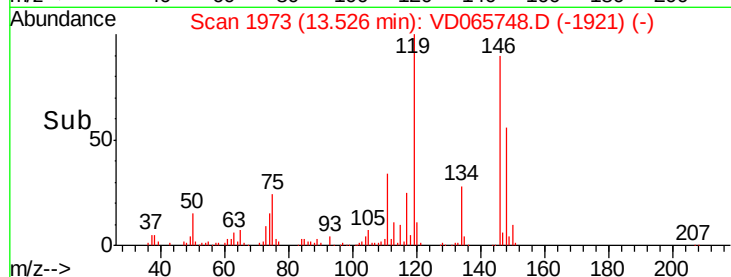
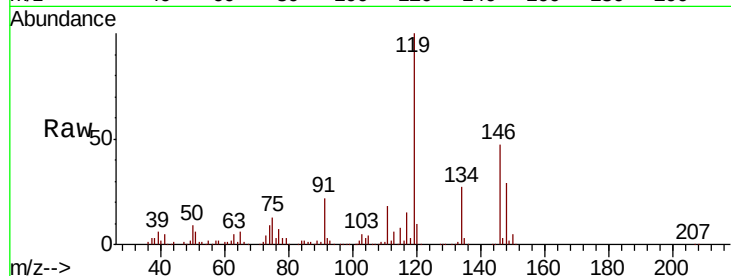




#87
 1,3-Dichlorobenzene
 Concen: 20.696 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

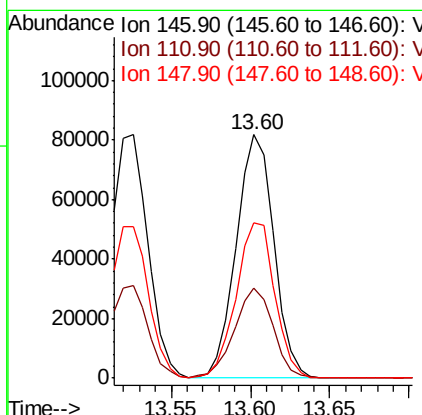
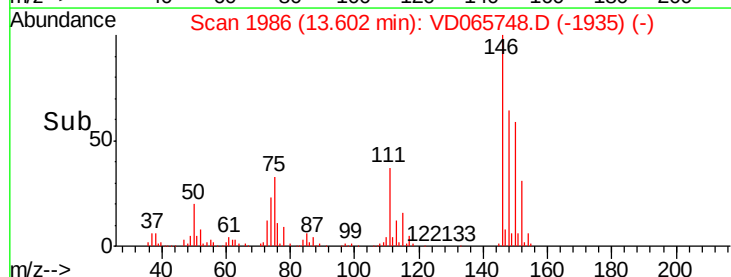
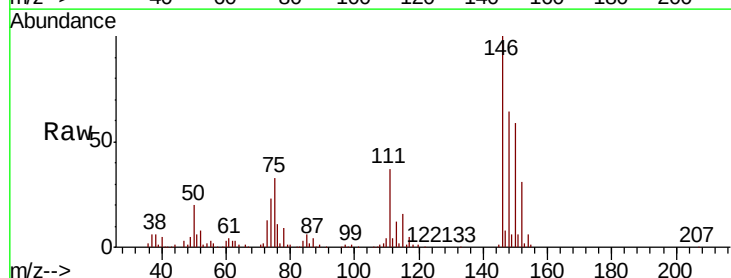
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

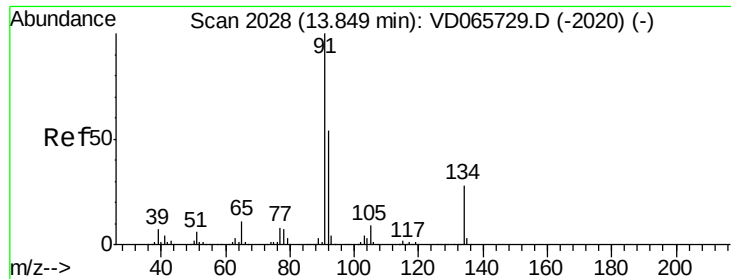
Tot Ion:146 Resp: 136257
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.9 56.9
 148 64.3 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.605 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

Tgt Ion:146 Resp: 135122
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.4 55.2
 148 65.4 31.6 94.7

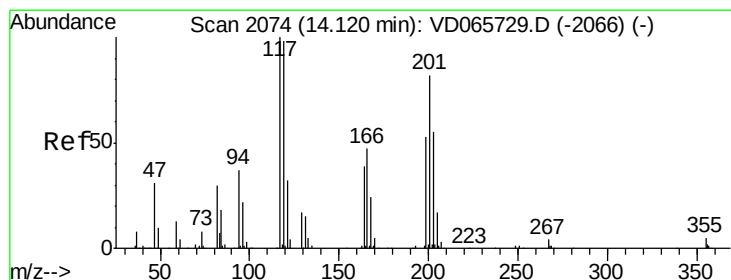
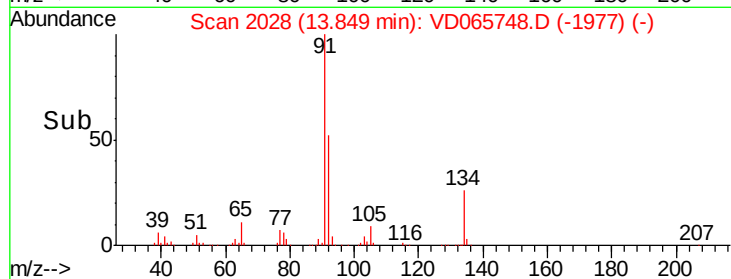
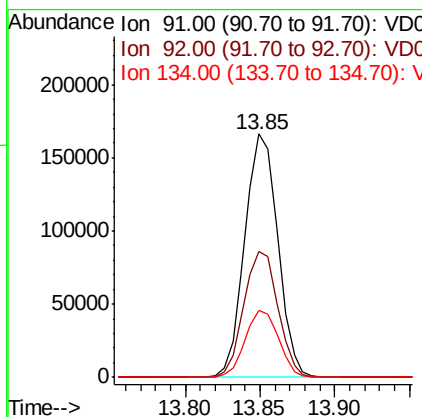
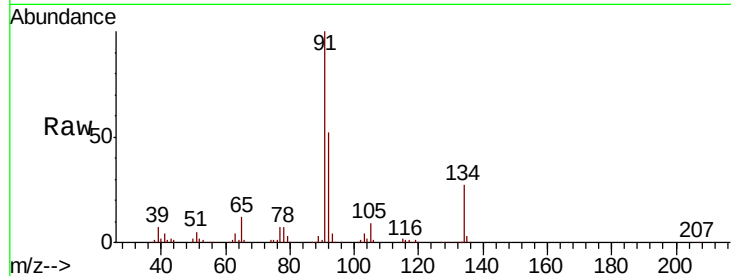




#89
n-Butylbenzene
Concen: 20.445 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

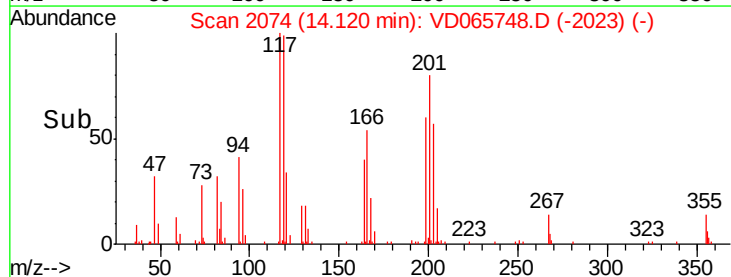
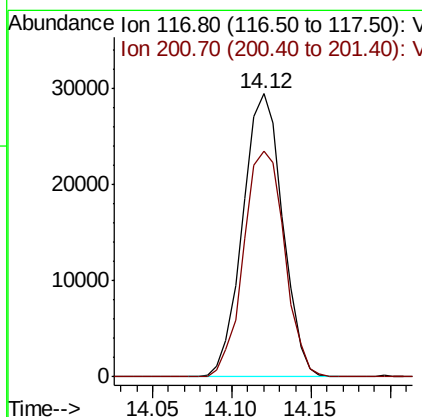
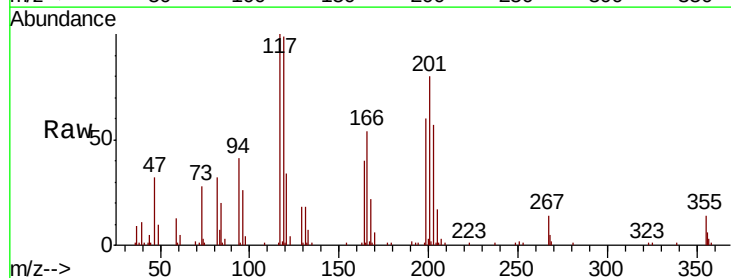
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

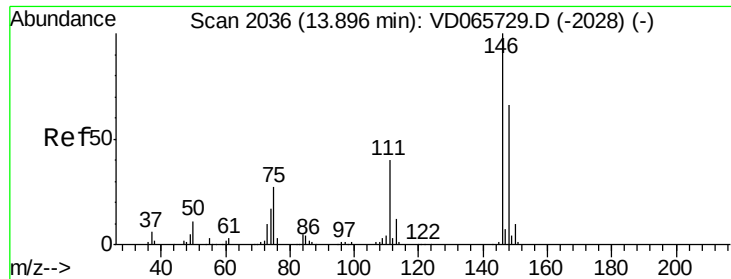
Tot Ion: 91 Resp: 254417
Ion Ratio Lower Upper
91 100
92 53.5 27.0 81.0
134 28.0 13.9 41.7



#90
Hexachloroethane
Concen: 19.805 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065748.D
Acq: 15 May 2020 13:14

Tgt Ion: 117 Resp: 51562
Ion Ratio Lower Upper
117 100
201 82.1 41.8 125.4

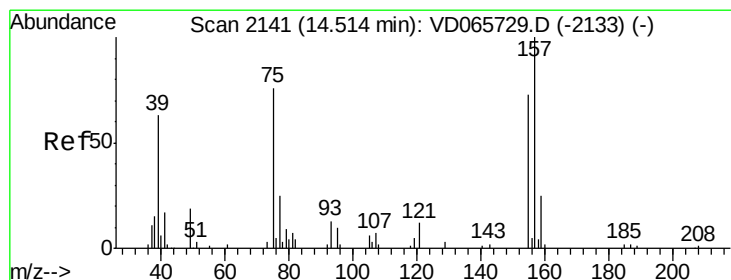
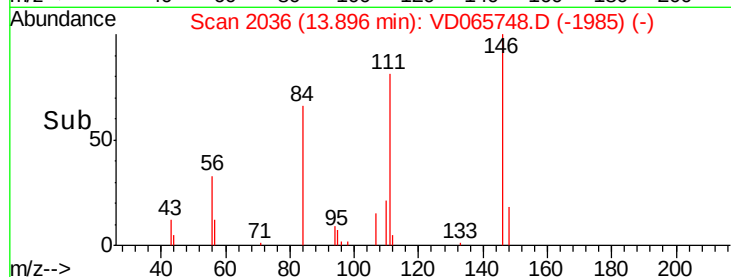
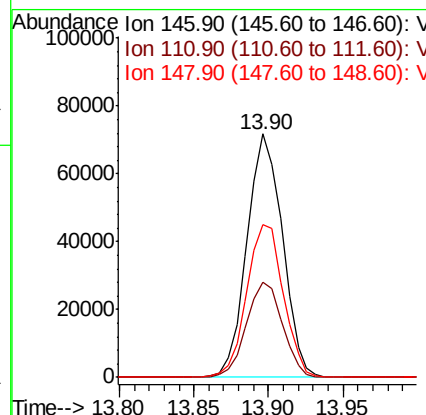
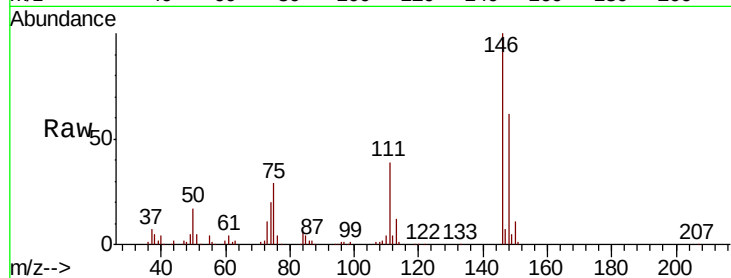




#91
 1,2-Dichlorobenzene
 Concen: 20.776 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

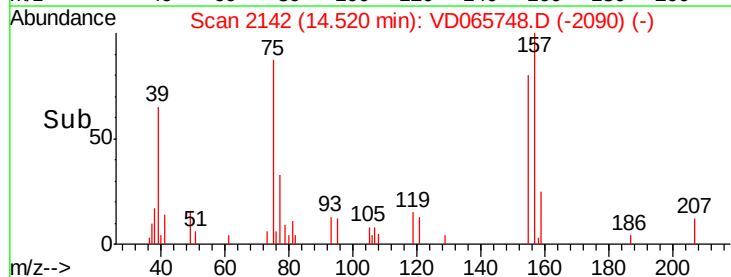
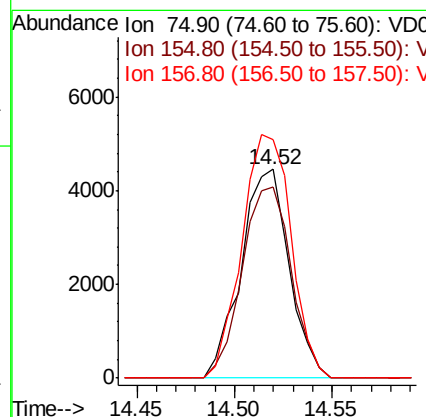
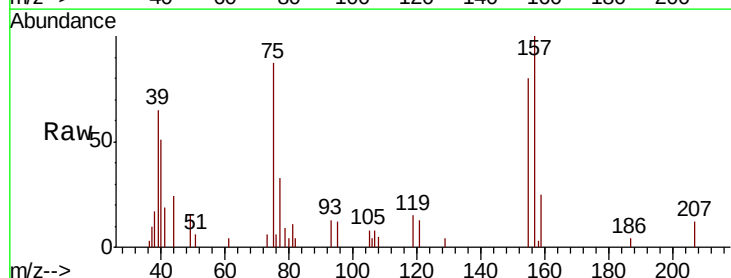
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

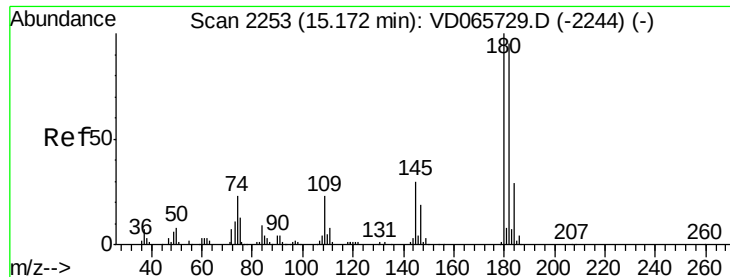
Tot Ion:146 Resp: 118308
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.0 60.0
 148 64.5 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.666 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

Tgt Ion: 75 Resp: 7580
 Ion Ratio Lower Upper
 75 100
 155 94.2 48.4 145.0
 157 119.7 62.6 187.8

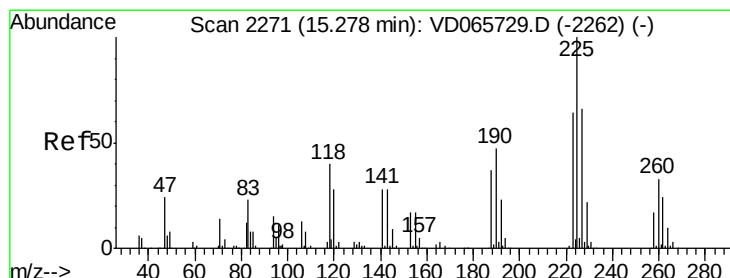
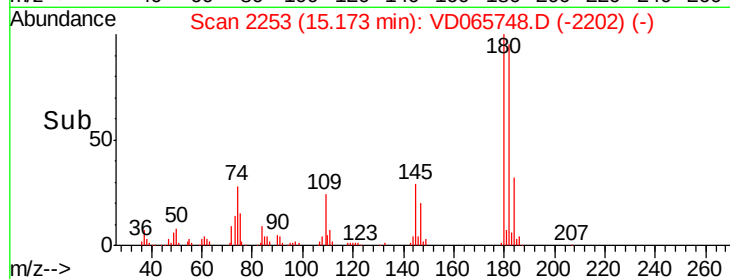
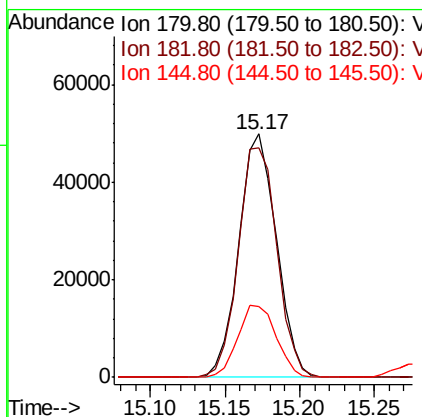
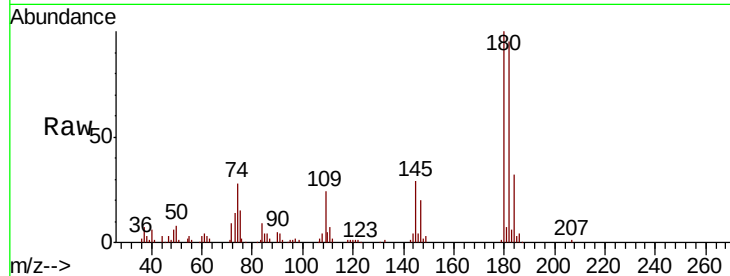




#93
 1,2,4-Trichlorobenzene
 Concen: 20.069 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

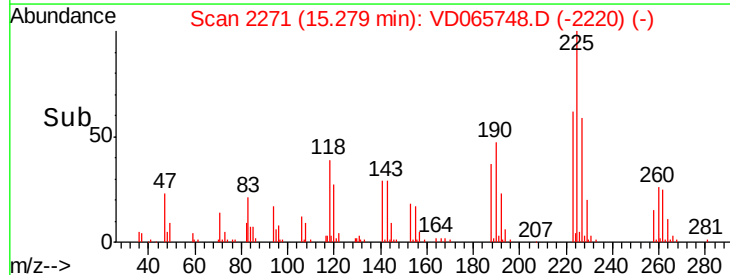
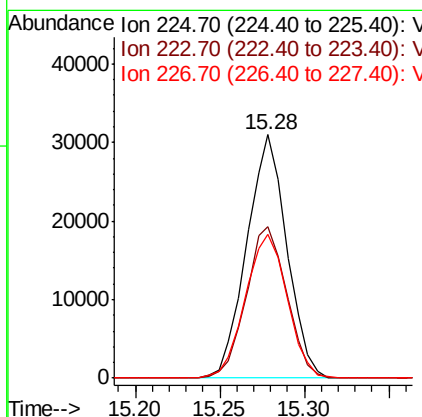
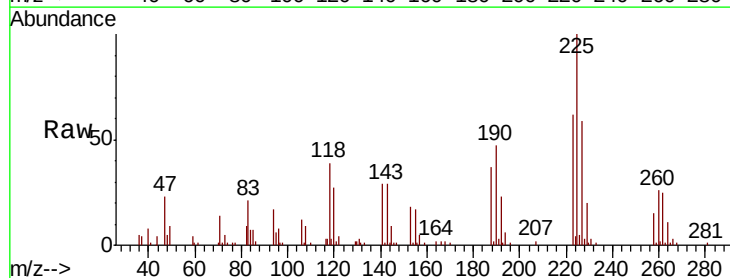
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

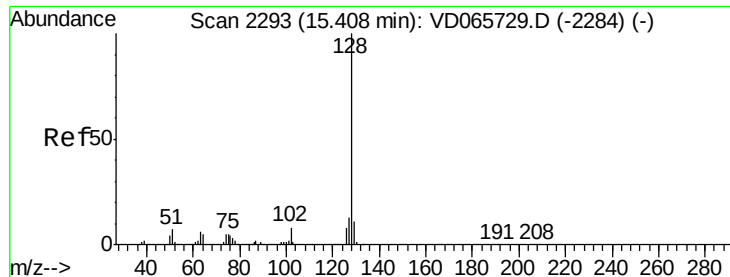
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.0	141.0
145	30.2	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 19.681 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065748.D
 Acq: 15 May 2020 13:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.4	94.2
227	61.7	32.2	96.6





#95

Naphthalene

Concen: 19.523 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

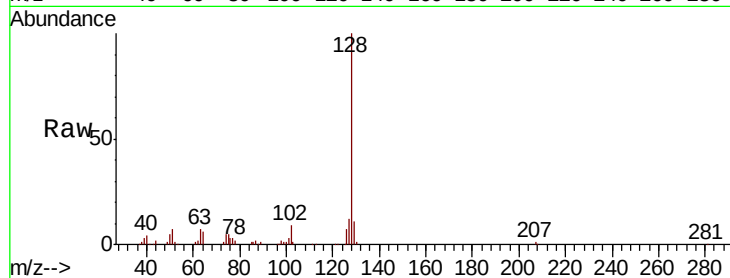
Tot Ion:128 Resp: 140672

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

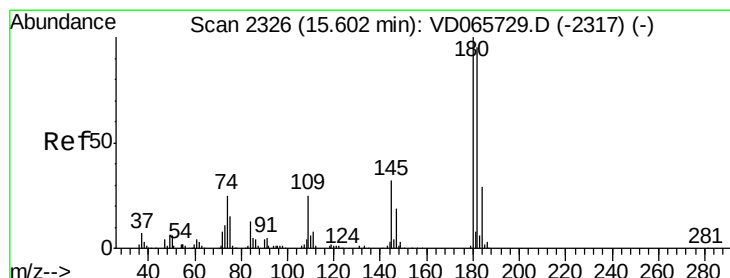
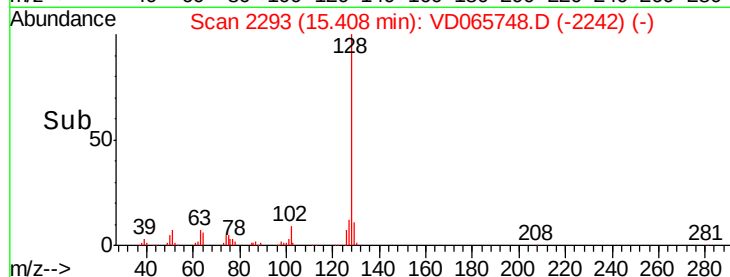
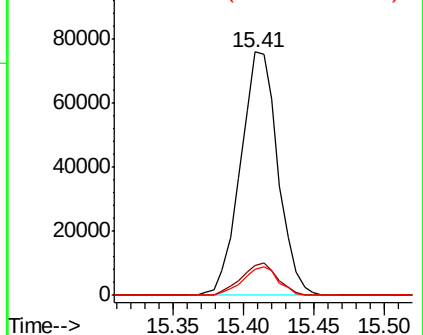
129 11.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.976 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD065748.D

Acq: 15 May 2020 13:14

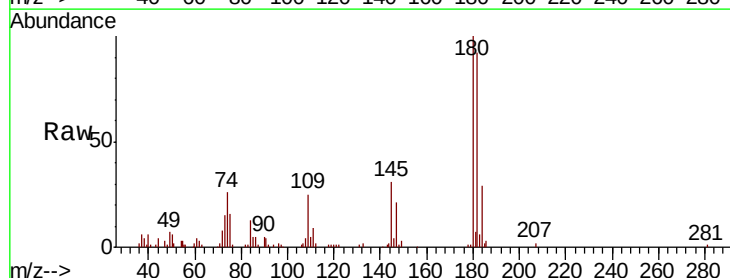
Tgt Ion:180 Resp: 73782

Ion Ratio Lower Upper

180 100

182 94.5 47.5 142.6

145 31.2 15.9 47.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

