

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081920\
 Data File : VD066314.D
 Acq On : 19 Aug 2020 13:11
 Operator : VA/SY
 Sample : VD0819SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Quant Time: Aug 19 15:59:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	24675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	36212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	41982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	24207	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	22135	100.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.10%	
35) Dibromofluoromethane	7.91	113	15244	66.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.90%	
50) Toluene-d8	10.34	98	45473	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
62) 4-Bromofluorobenzene	12.64	95	20175	66.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	4392	20.203	ug/l	98
3) Chloromethane	2.20	50	3274	19.360	ug/l	99
4) Vinyl Chloride	2.35	62	3570	23.845	ug/l #	83
5) Bromomethane	2.77	94	3165	31.863	ug/l #	61
6) Chloroethane	2.92	64	2057	22.382	ug/l #	63
7) Trichlorofluoromethane	3.27	101	8189	20.980	ug/l	85
8) Diethyl Ether	3.71	74	4848	44.018	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	4.10	101	4997	21.572	ug/l	98
10) Methyl Iodide	4.30	142	5947	31.125	ug/l #	95
11) Tert butyl alcohol	5.21	59	9746	654.331	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	4836	22.130	ug/l	83
13) Acrolein	3.91	56	4162	237.522	ug/l	98
14) Allyl chloride	4.71	41	7491	22.627	ug/l #	76
15) Acrylonitrile	5.42	53	21797	469.658	ug/l	93
16) Acetone	4.16	43	22548	539.818	ug/l	95
17) Carbon Disulfide	4.40	76	5696	8.198	ug/l #	90
18) Methyl Acetate	4.71	43	10838	102.152	ug/l #	88
19) Methyl tert-butyl Ether	5.47	73	22429	44.780	ug/l #	90
20) Methylene Chloride	4.97	84	8706	34.883	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	5472	21.798	ug/l	92
22) Diisopropyl ether	6.36	45	18280	27.922	ug/l #	87
23) Vinyl Acetate	6.30	43	87552	228.277	ug/l	97
24) 1,1-Dichloroethane	6.27	63	10234	25.260	ug/l #	84
25) 2-Butanone	7.21	43	30621	498.426	ug/l #	89
26) 2,2-Dichloropropane	7.20	77	8774	24.162	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	6871	26.095	ug/l	97
28) Bromochloromethane	7.54	49	5315	37.351	ug/l	98
29) Tetrahydrofuran	7.57	42	18395	483.275	ug/l	97
30) Chloroform	7.71	83	11593	27.250	ug/l	97
31) Cyclohexane	7.97	56	6911	17.919	ug/l #	72
32) 1,1,1-Trichloroethane	7.90	97	9001	22.565	ug/l	98
36) 1,1-Dichloropropene	8.11	75	6850	20.130	ug/l	97
37) Ethyl Acetate	7.30	43	11306	83.857	ug/l #	85
38) Carbon Tetrachloride	8.10	117	7801	20.558	ug/l #	76

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	6859	16.674	ug/l	98
40) Benzene	8.35	78	21155	22.411	ug/l #	89
41) Methacrylonitrile	7.56	41	17250	217.603	ug/l #	39
42) 1,2-Dichloroethane	8.43	62	11272	40.647	ug/l	100
43) Isopropyl Acetate	8.44	43	17072	64.266	ug/l	92
44) Trichloroethene	9.10	130	6058	21.297	ug/l	92
45) 1,2-Dichloropropane	9.38	63	6273	27.171	ug/l	98
46) Dibromomethane	9.47	93	5568	43.784	ug/l	92
47) Bromodichloromethane	9.66	83	10470	31.151	ug/l #	86
48) Methyl methacrylate	9.46	41	8450	62.296	ug/l	90
49) 1,4-Dioxane	9.46	88	3513	2150.192	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	53775	394.099	ug/l	98
52) Toluene	10.40	92	14600	23.505	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	11331	35.524	ug/l	90
54) cis-1,3-Dichloropropene	10.08	75	11586	31.002	ug/l #	85
55) 1,1,2-Trichloroethane	10.80	97	8049	43.955	ug/l	90
56) Ethyl methacrylate	10.66	69	11198	50.905	ug/l	97
57) 1,3-Dichloropropane	10.94	76	12833	42.213	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	26863	271.484	ug/l	99
59) 2-Hexanone	10.98	43	39102	408.319	ug/l	98
60) Dibromochloromethane	11.13	129	10139	40.105	ug/l	95
61) 1,2-Dibromoethane	11.24	107	8643	49.078	ug/l	100
64) Tetrachloroethene	10.87	164	5655	17.542	ug/l	87
65) Chlorobenzene	11.67	112	17907	21.011	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	7978	23.925	ug/l	98
67) Ethyl Benzene	11.74	91	24426	16.539	ug/l	95
68) m/p-Xylenes	11.85	106	18860	32.961	ug/l	94
69) o-Xylene	12.18	106	9527	18.303	ug/l	97
70) Styrene	12.20	104	17322	18.989	ug/l	99
71) Bromoform	12.36	173	8307	42.046	ug/l #	95
73) Isopropylbenzene	12.48	105	24933	15.430	ug/l	100
74) N-amyl acetate	12.29	43	13278	37.316	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	11679	42.387	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	16916	83.797	ug/l #	100
77) Bromobenzene	12.76	156	8942	21.497	ug/l	85
78) n-propylbenzene	12.82	91	27799	14.800	ug/l	99
79) 2-Chlorotoluene	12.91	91	18438	17.163	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	20378	15.080	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.53	75	4598	50.350	ug/l	96
82) 4-Chlorotoluene	13.00	91	19817	17.474	ug/l	99
83) tert-Butylbenzene	13.23	119	16350	13.757	ug/l	90
84) 1,2,4-Trimethylbenzene	13.27	105	22780	16.844	ug/l	97
85) sec-Butylbenzene	13.40	105	24041	14.983	ug/l	97
86) p-Isopropyltoluene	13.52	119	22398	14.883	ug/l	95
87) 1,3-Dichlorobenzene	13.52	146	15993	20.457	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	16826	21.581	ug/l	99
89) n-Butylbenzene	13.85	91	20109	14.914	ug/l	98
90) Hexachloroethane	14.11	117	5028	16.752	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	15506	22.427	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3163	66.792	ug/l	96

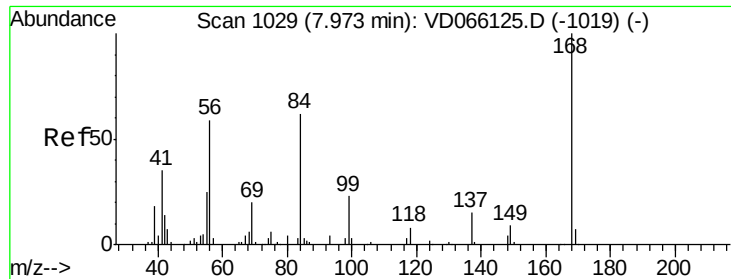
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081920\
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	12071	23.691	ug/l	99
94) Hexachlorobutadiene	15.27	225	5404	18.012	ug/l	95
95) Naphthalene	15.41	128	33119	39.893	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	12020	26.724	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

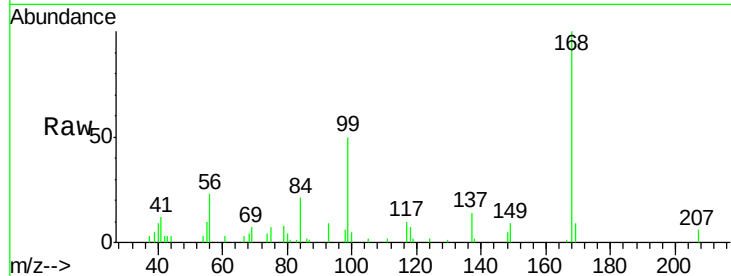
VD0819SBS01

Tgt Ion:168 Resp: 24675

Ion Ratio Lower Upper

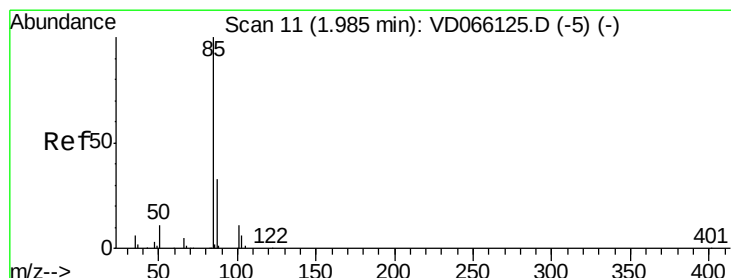
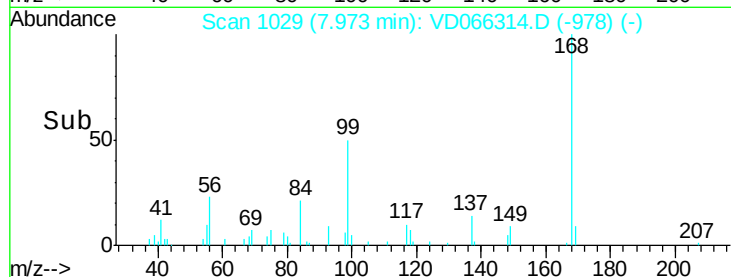
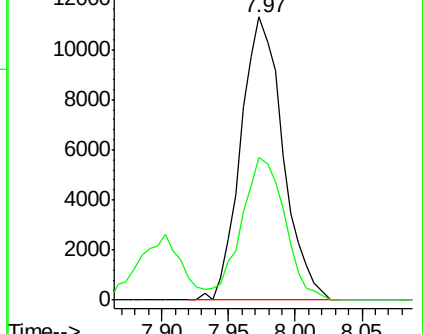
168 100

99 50.4 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.203 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066314.D

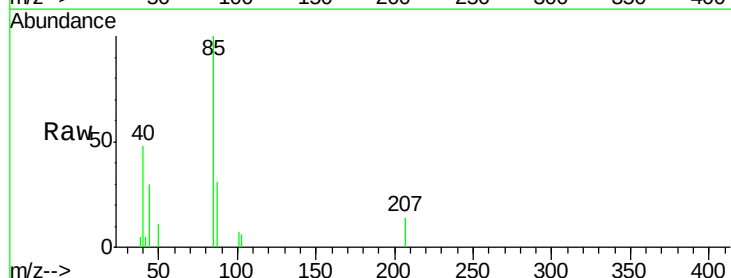
Acq: 19 Aug 2020 13:11

Tgt Ion: 85 Resp: 4392

Ion Ratio Lower Upper

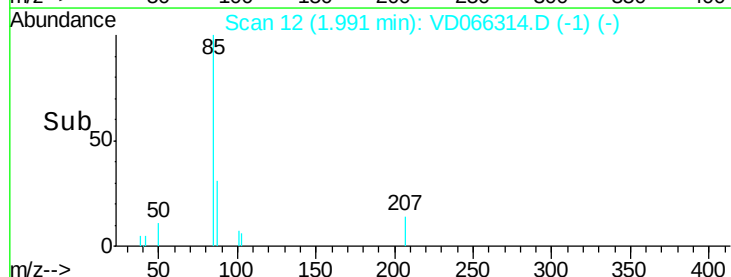
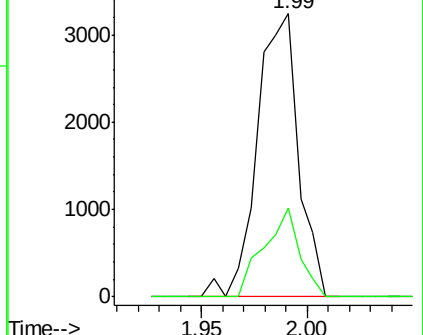
85 100

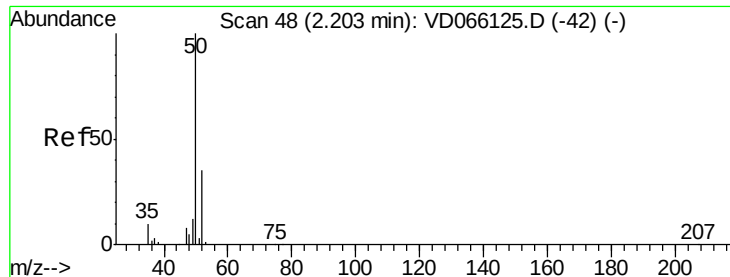
87 31.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.360 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

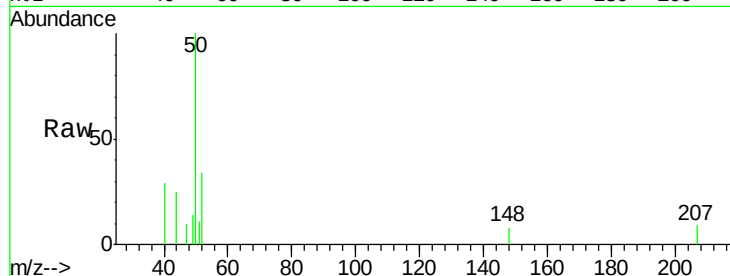
VD0819SBSD01

Tgt Ion: 50 Resp: 3274

Ion Ratio Lower Upper

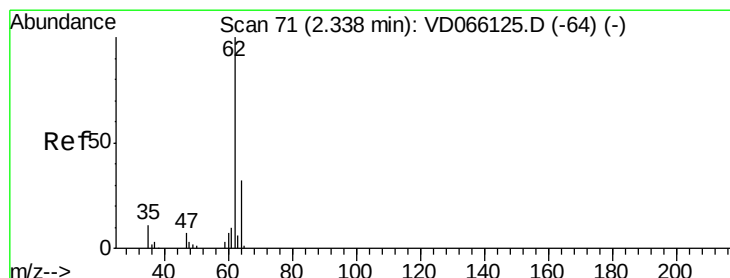
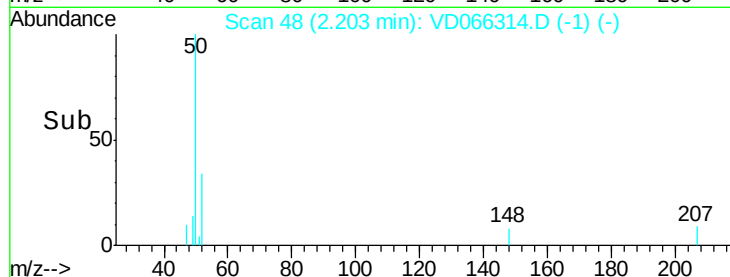
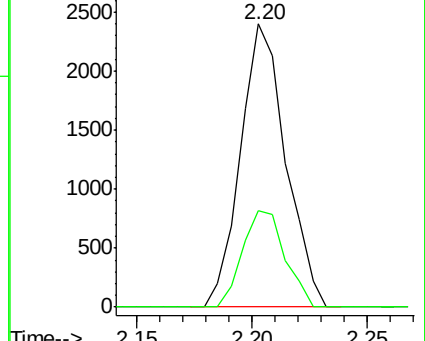
50 100

52 34.1 27.9 41.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.845 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066314.D

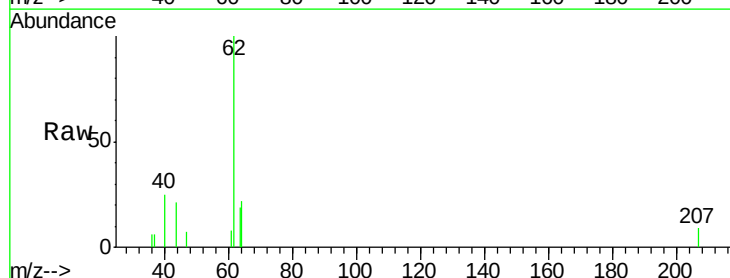
Acq: 19 Aug 2020 13:11

Tgt Ion: 62 Resp: 3570

Ion Ratio Lower Upper

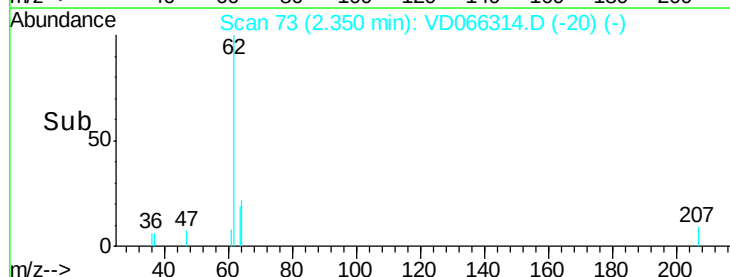
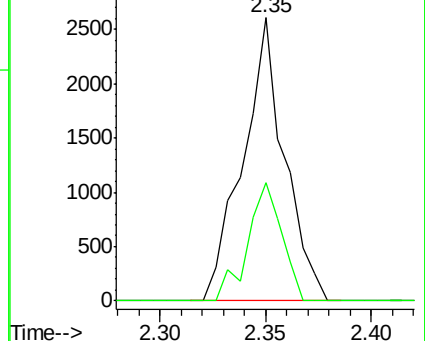
62 100

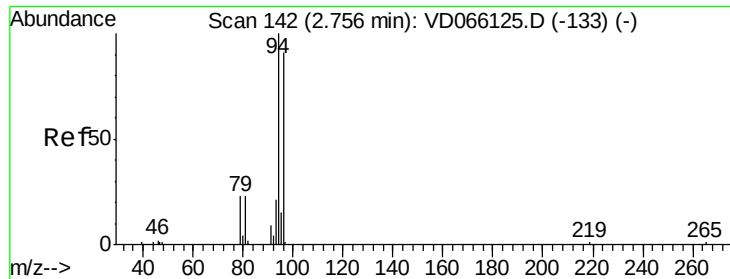
64 41.6 25.8 38.8#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 31.863 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

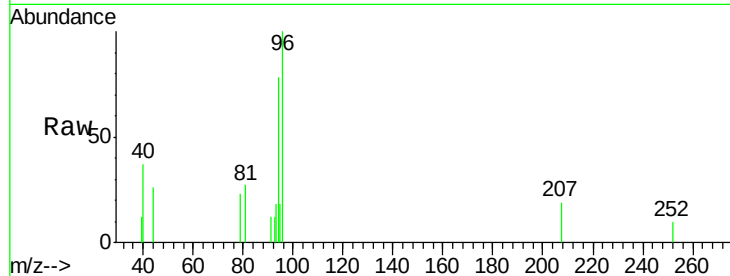
VD0819SBS01

Tgt Ion: 94 Resp: 3165

Ion Ratio Lower Upper

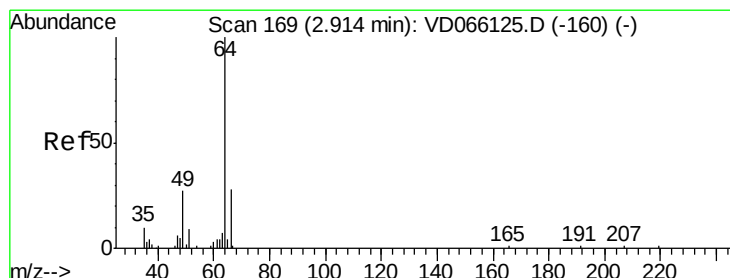
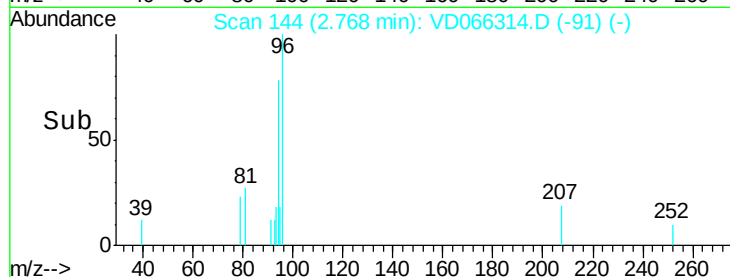
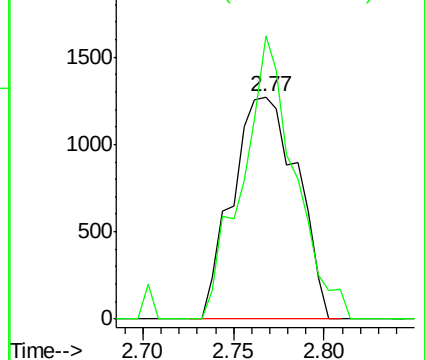
94 100

96 127.5 72.6 109.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.382 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066314.D

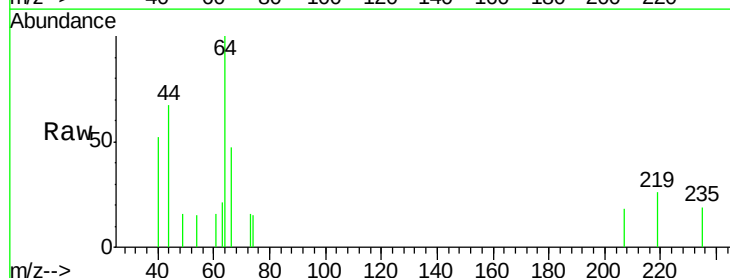
Acq: 19 Aug 2020 13:11

Tgt Ion: 64 Resp: 2057

Ion Ratio Lower Upper

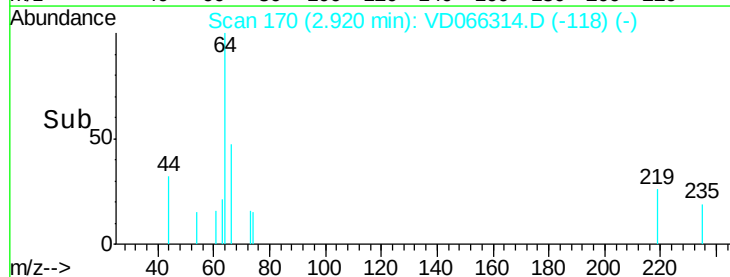
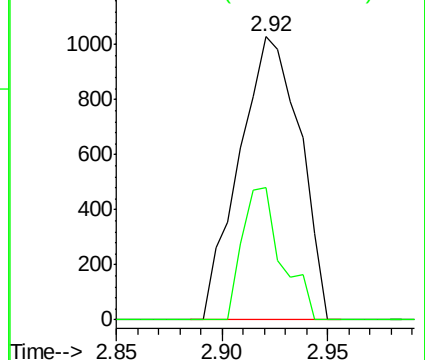
64 100

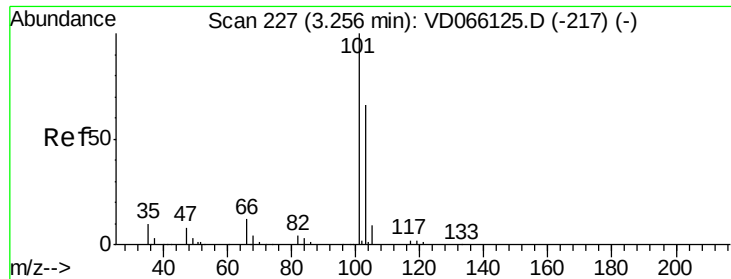
66 46.6 22.0 33.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



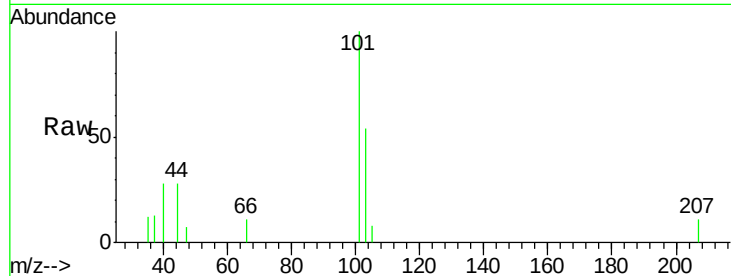


#7

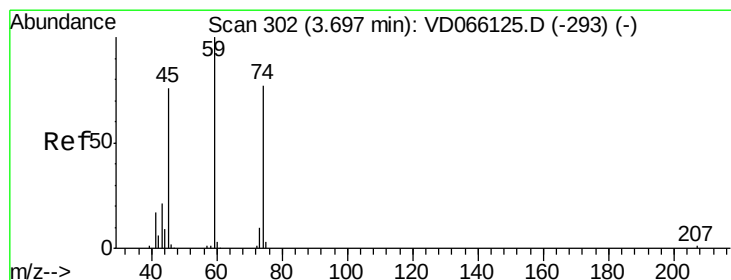
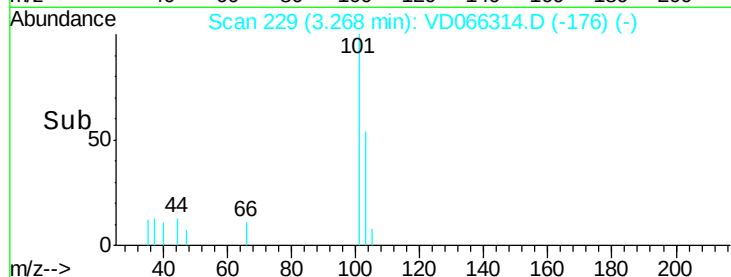
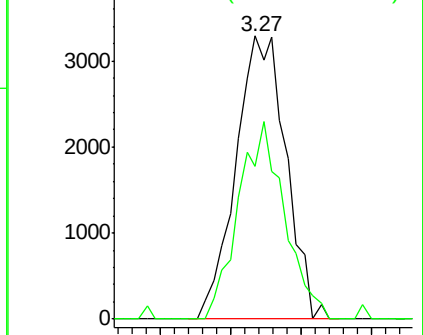
Trichlorofluoromethane
 Concen: 20.980 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

Tgt Ion: 101 Resp: 8189
 Ion Ratio Lower Upper
 101 100
 103 54.0 53.0 79.6



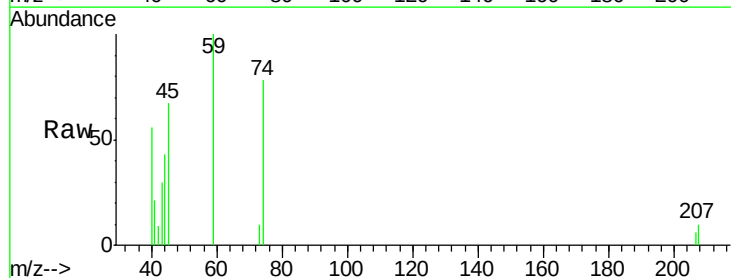
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



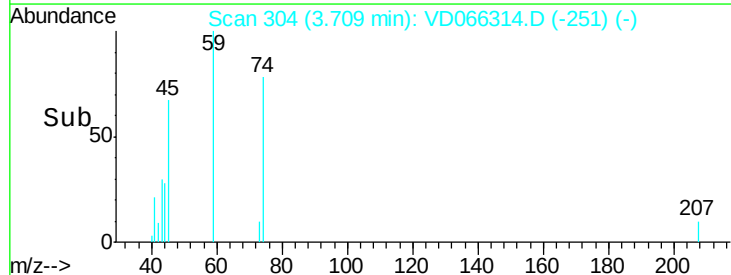
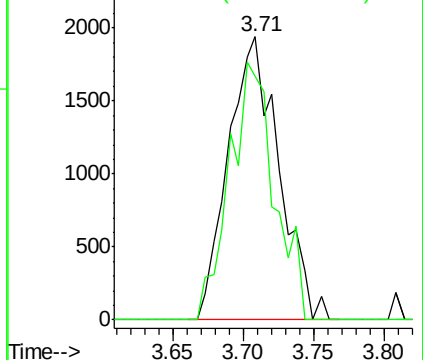
#8

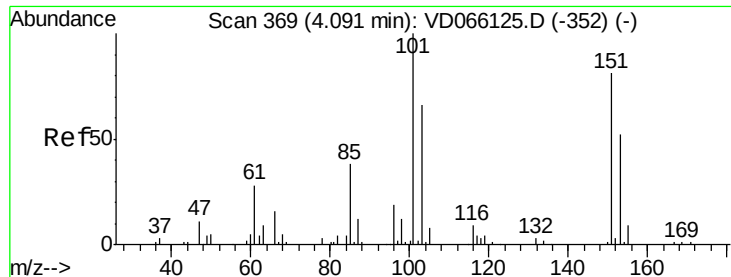
Diethyl Ether
 Concen: 44.018 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion: 74 Resp: 4848
 Ion Ratio Lower Upper
 74 100
 45 81.1 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.572 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

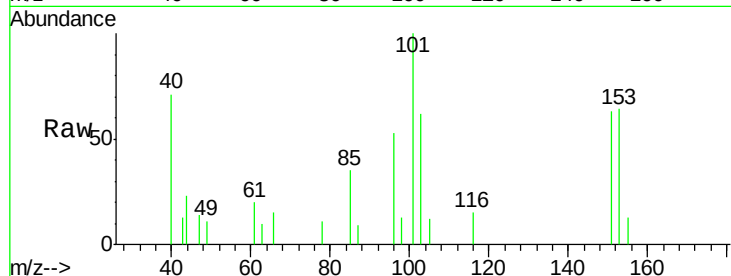
Tgt Ion:101 Resp: 4997

Ion Ratio Lower Upper

101 100

85 40.8 33.5 50.3

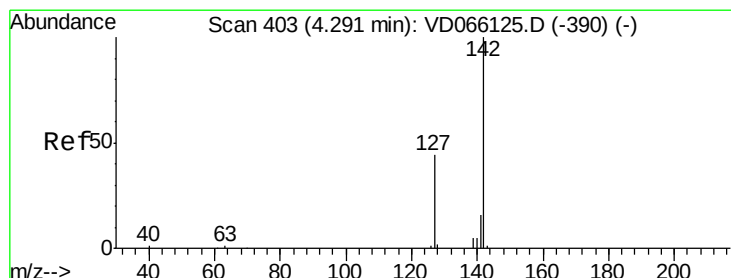
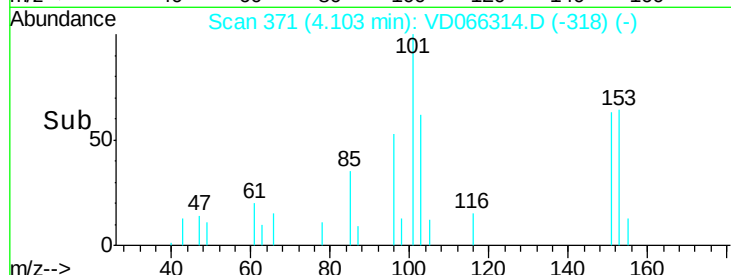
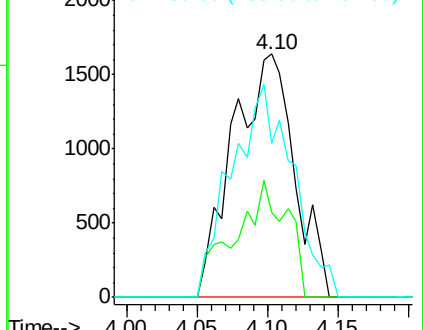
151 86.3 67.8 101.8



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: 31.125 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

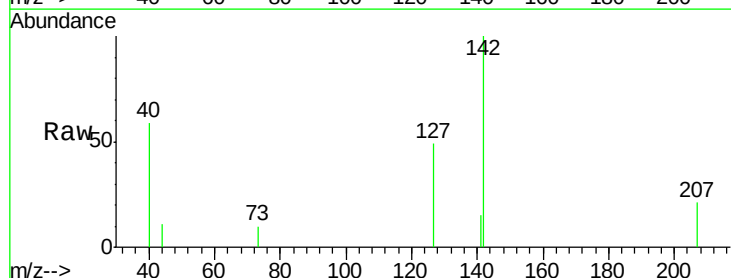
Tgt Ion:142 Resp: 5947

Ion Ratio Lower Upper

142 100

127 43.7 36.2 54.4

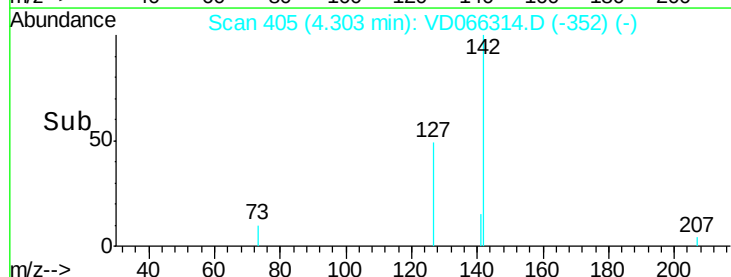
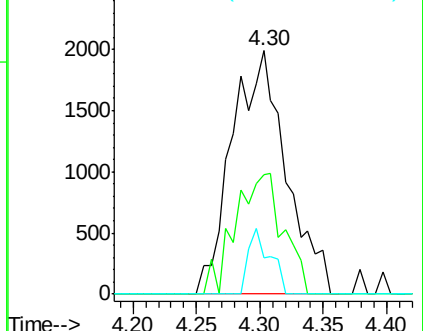
141 10.6 12.6 18.8#

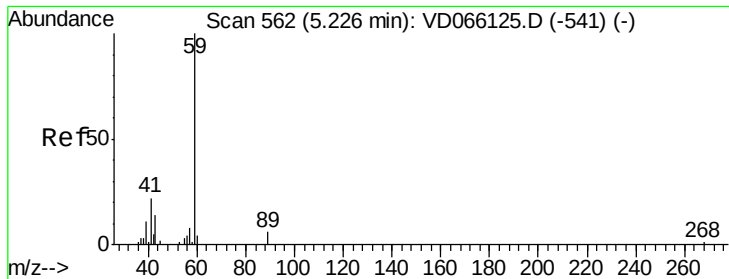


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

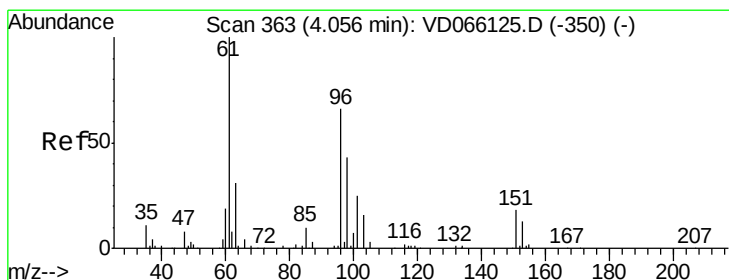
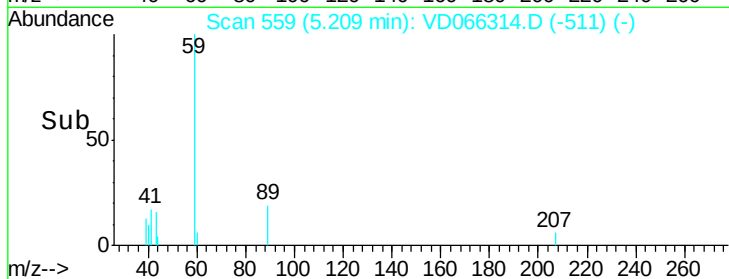
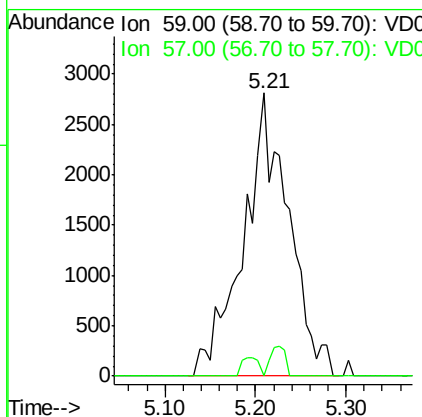
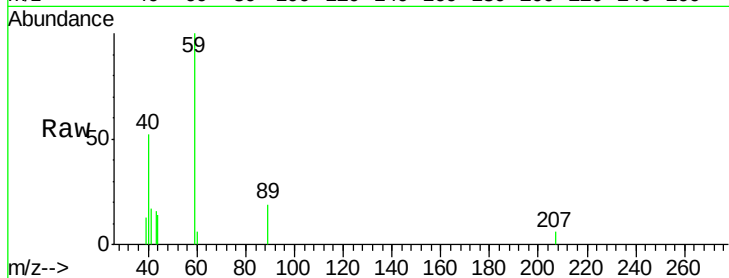




#11
Tert butyl alcohol
Concen: 654.331 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

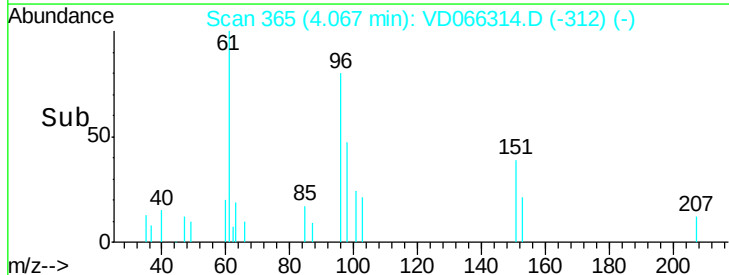
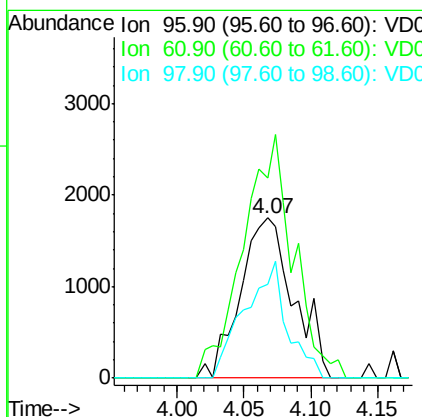
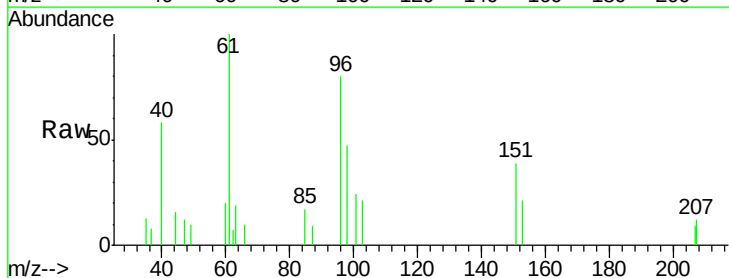
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

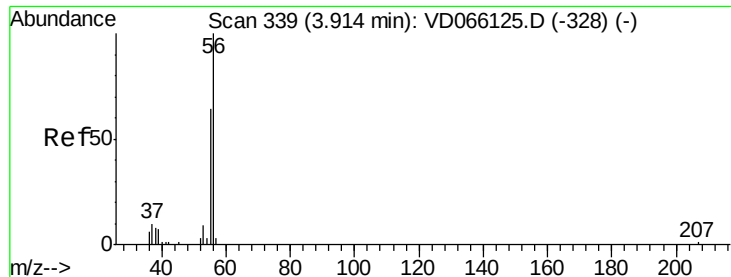
Tgt Ion: 59 Resp: 9746
Ion Ratio Lower Upper
59 100
57 2.5 7.0 10.4#



#12
1,1-Dichloroethene
Concen: 22.130 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion: 96 Resp: 4836
Ion Ratio Lower Upper
96 100
61 124.8 121.6 182.4
98 58.7 52.0 78.0





#13

Acrolein

Concen: 237.522 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

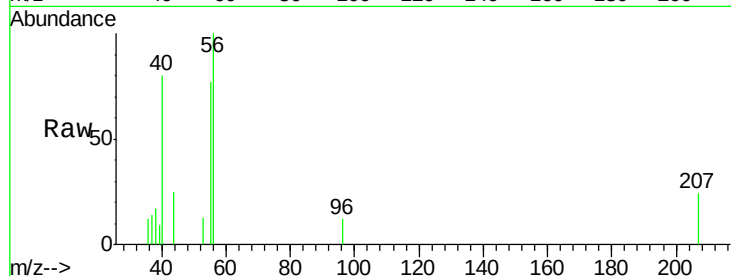
VD0819SBS01

Tgt Ion: 56 Resp: 4162

Ion Ratio Lower Upper

56 100

55 72.6 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.91

2000

1500

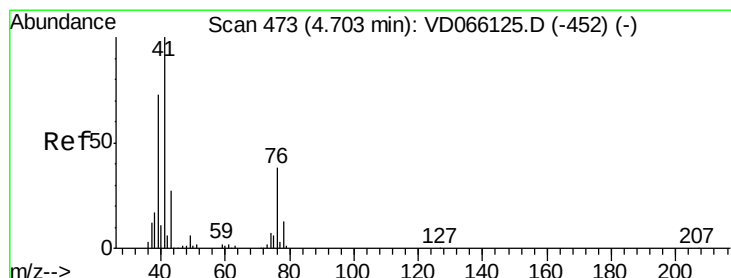
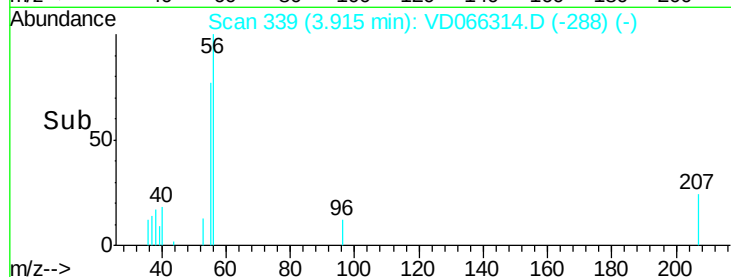
1000

500

0

Time-->

3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 22.627 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

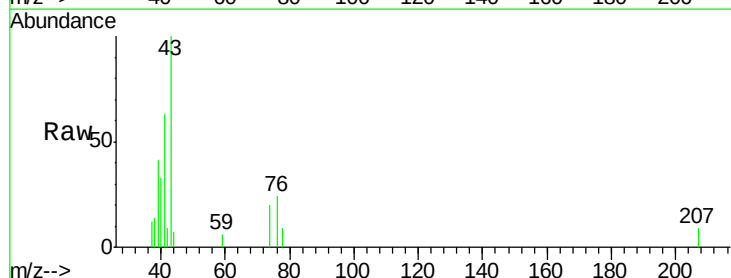
Tgt Ion: 41 Resp: 7491

Ion Ratio Lower Upper

41 100

39 74.8 57.4 86.0

76 0.0 30.1 45.1#



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

3000

2500

2000

1500

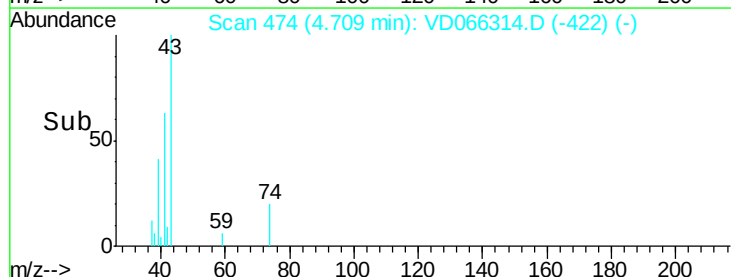
1000

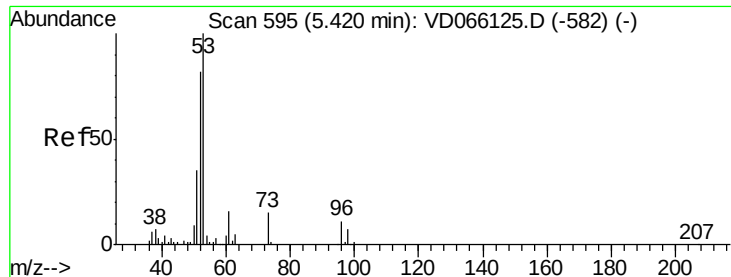
500

0

Time-->

4.65 4.70 4.75 4.80





#15

Acrylonitrile

Concen: 469.658 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

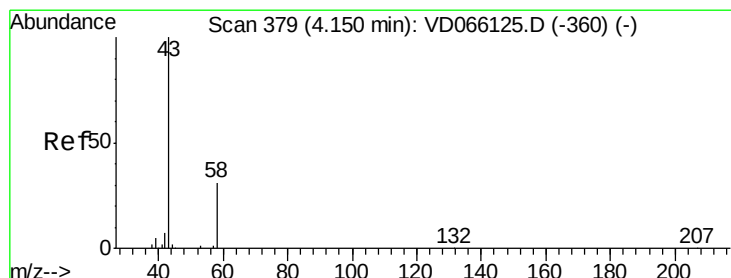
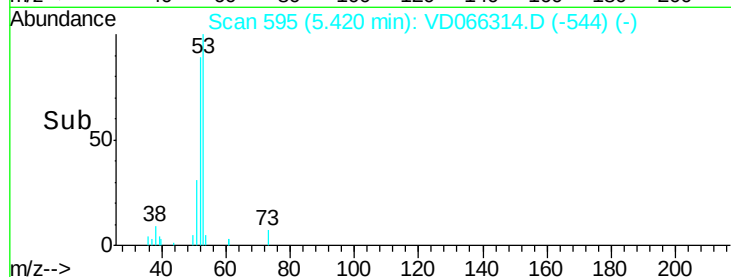
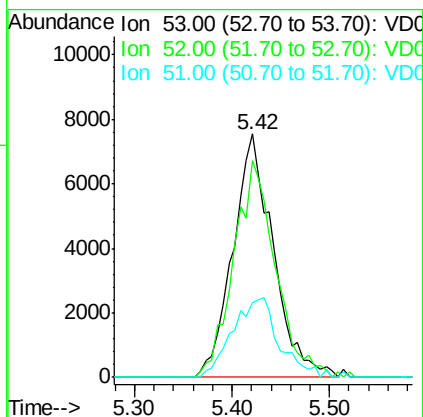
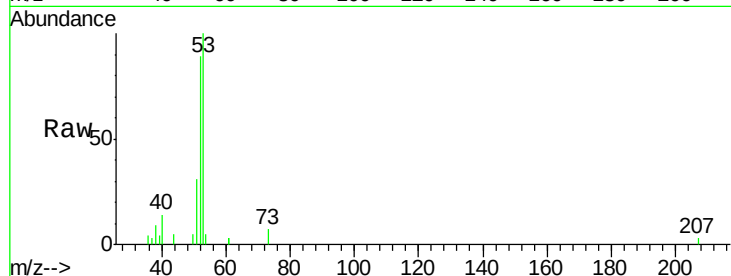
Tgt Ion: 53 Resp: 21797

Ion Ratio Lower Upper

53 100

52 91.7 66.1 99.1

51 37.8 30.8 46.2



#16

Acetone

Concen: 539.818 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066314.D

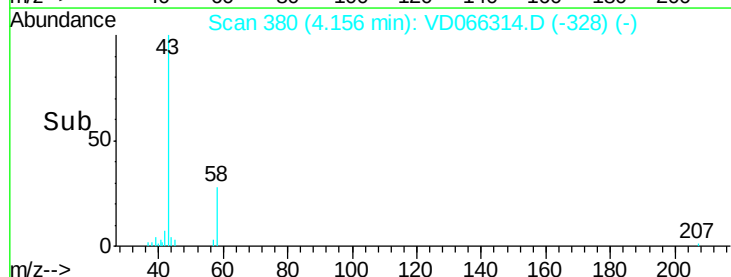
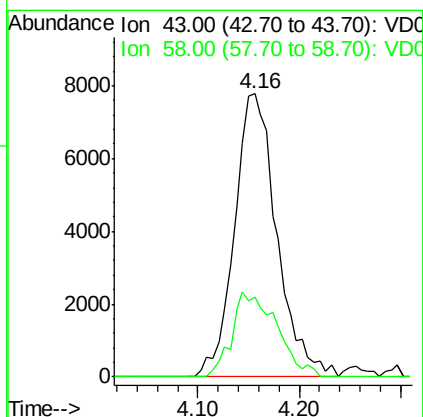
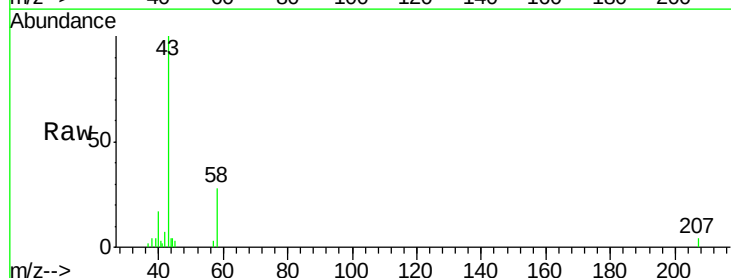
Acq: 19 Aug 2020 13:11

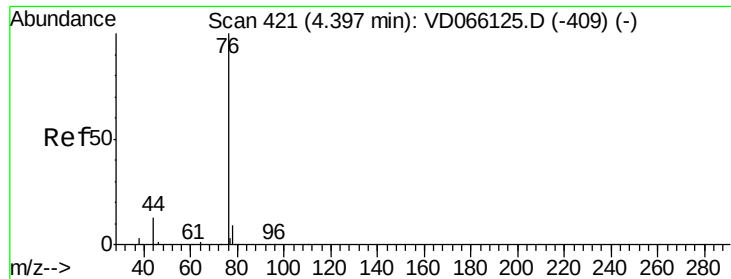
Tgt Ion: 43 Resp: 22548

Ion Ratio Lower Upper

43 100

58 28.3 24.7 37.1





#17

Carbon Disulfide

Concen: 8.198 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

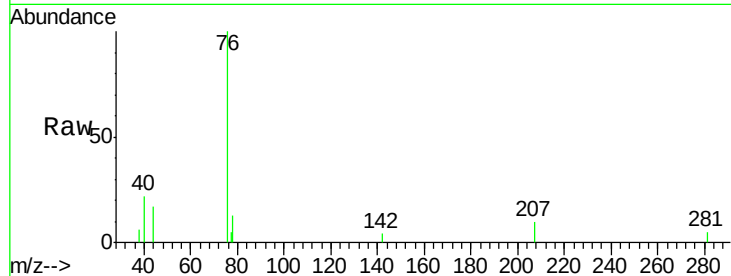
VD0819SBSD01

Tgt Ion: 76 Resp: 5696

Ion Ratio Lower Upper

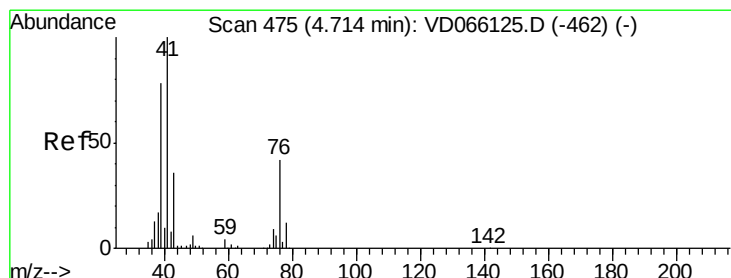
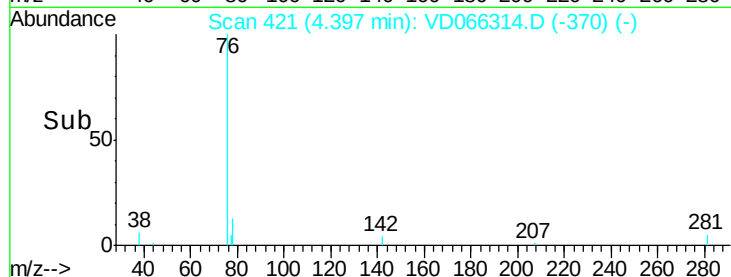
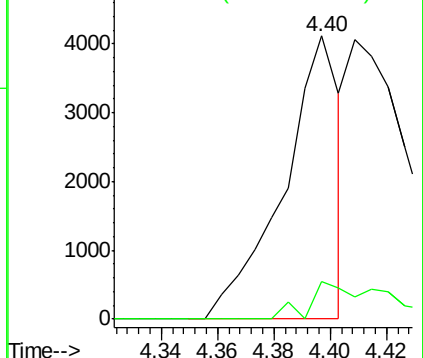
76 100

78 13.2 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 102.152 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066314.D

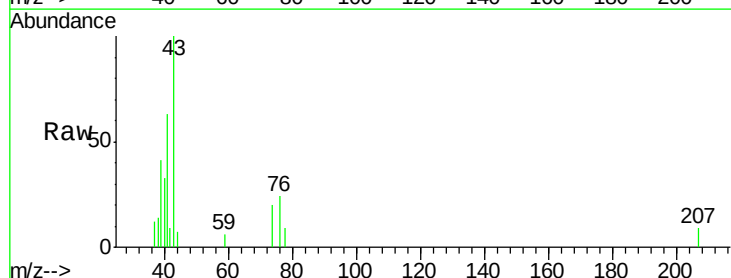
Acq: 19 Aug 2020 13:11

Tgt Ion: 43 Resp: 10838

Ion Ratio Lower Upper

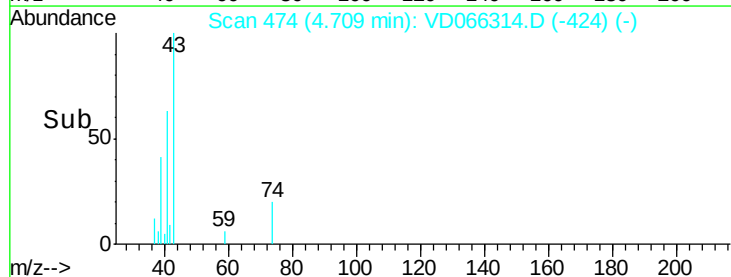
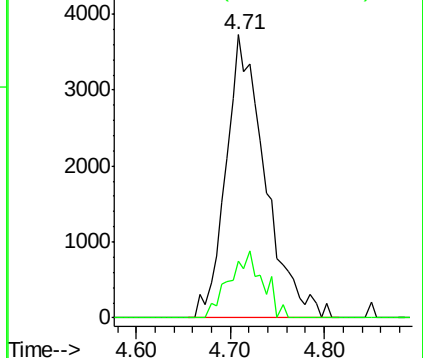
43 100

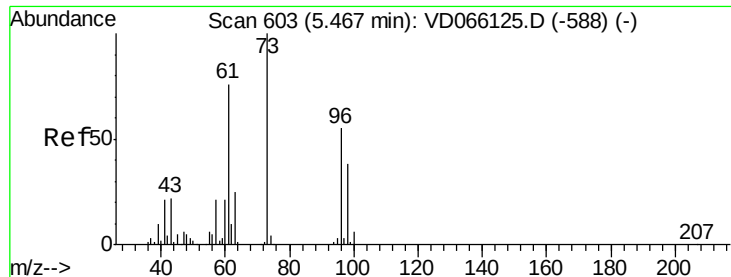
74 20.1 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

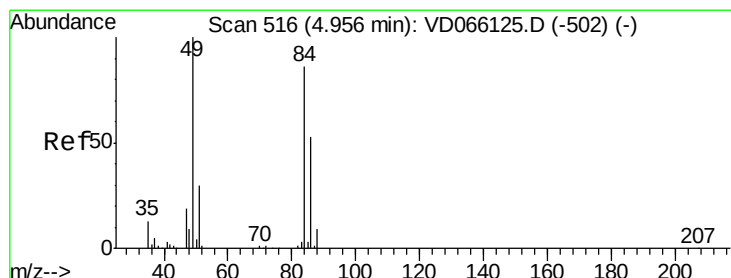
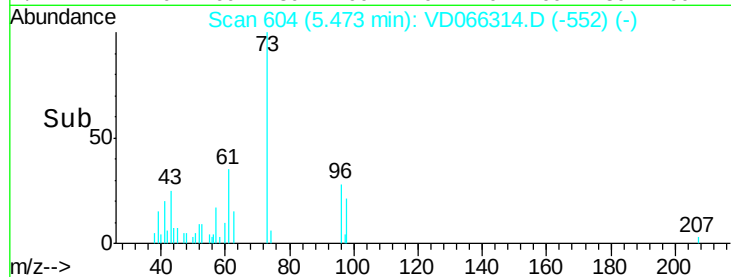
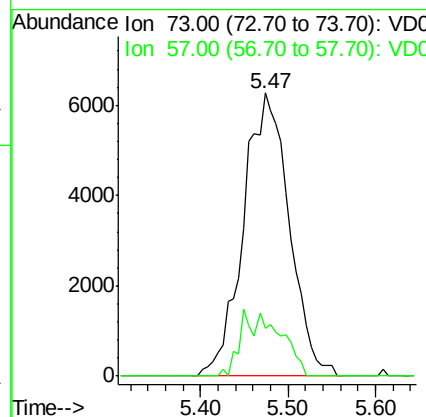
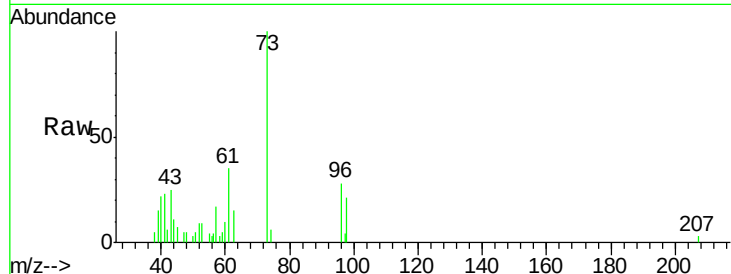




#19
Methyl tert-butyl Ether
Concen: 44.780 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

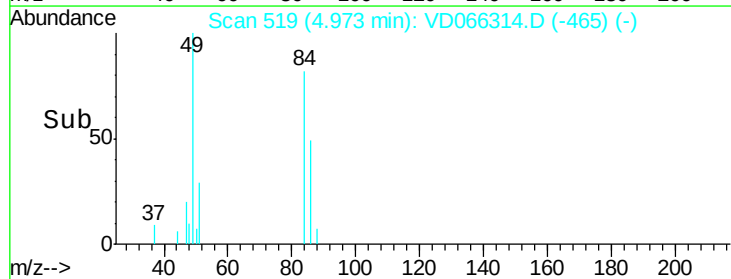
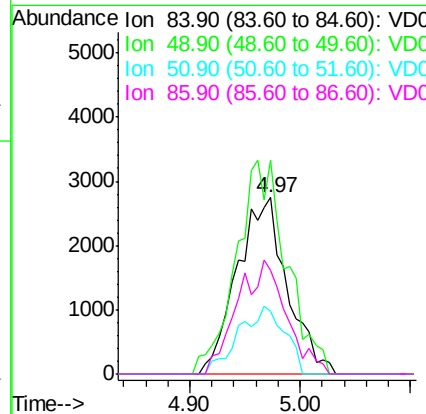
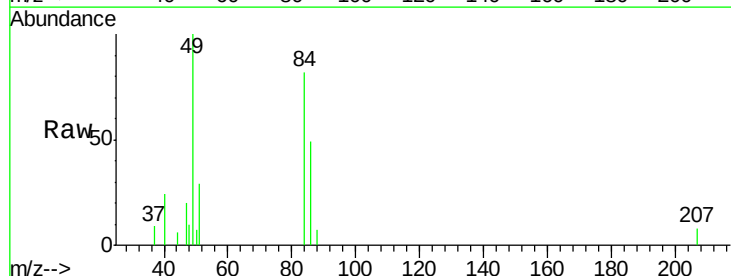
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

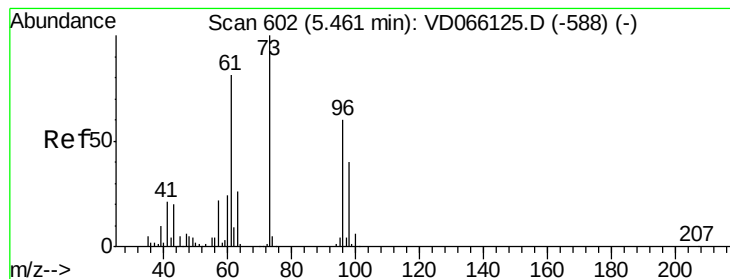
Tgt Ion: 73 Resp: 22429
Ion Ratio Lower Upper
73 100
57 16.8 17.1 25.7#



#20
Methylene Chloride
Concen: 34.883 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.02 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion: 84 Resp: 8706
Ion Ratio Lower Upper
84 100
49 121.3 93.5 140.3
51 35.6 28.2 42.4
86 59.1 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 21.798 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

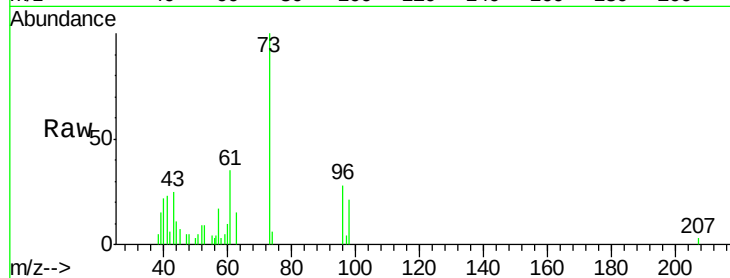
Tgt Ion: 96 Resp: 5472

Ion Ratio Lower Upper

96 100

61 125.1 106.9 160.3

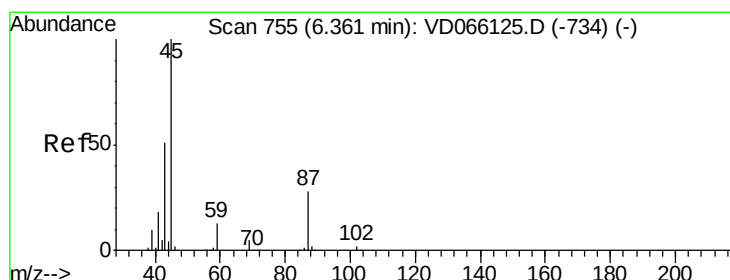
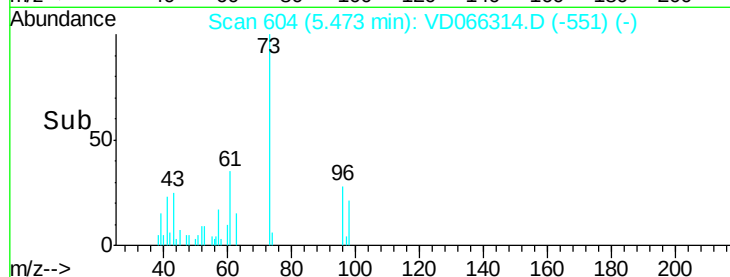
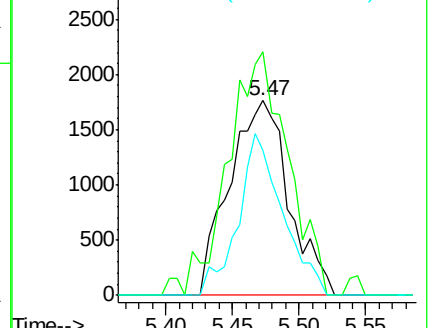
98 74.6 53.4 80.0



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: 27.922 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Tgt Ion: 45 Resp: 18280

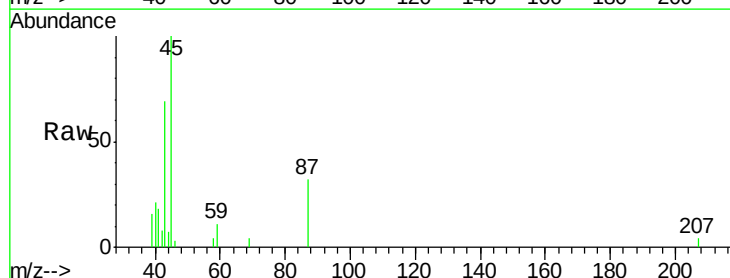
Ion Ratio Lower Upper

45 100

43 64.9 41.2 61.8#

87 31.8 22.8 34.2

59 11.2 10.2 15.2

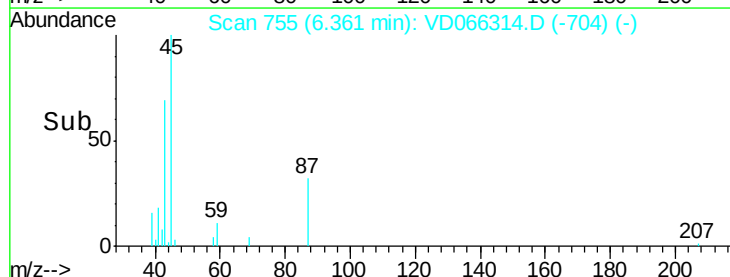
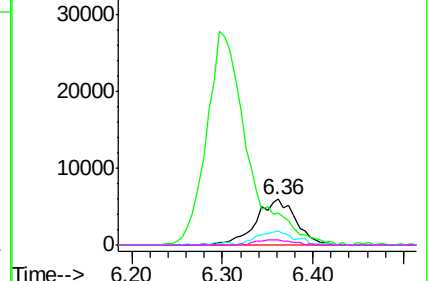


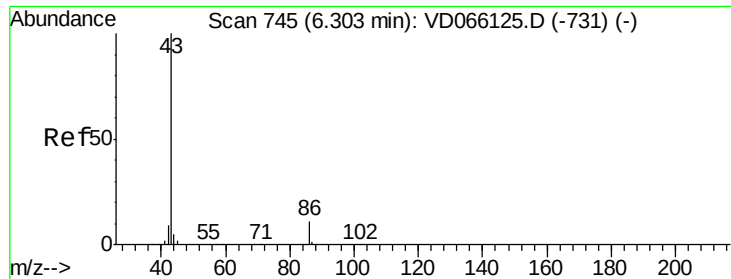
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 228.277 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

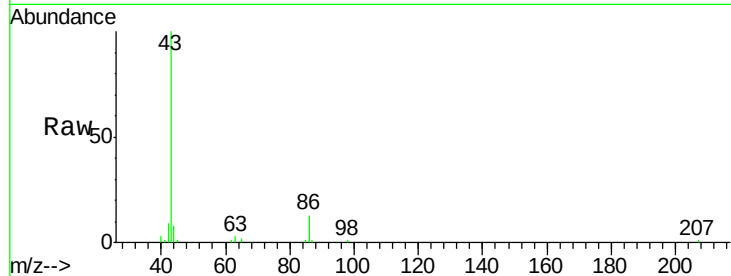
VD0819SBS01

Tgt Ion: 43 Resp: 87552

Ion Ratio Lower Upper

43 100

86 12.6 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

30000

25000

20000

15000

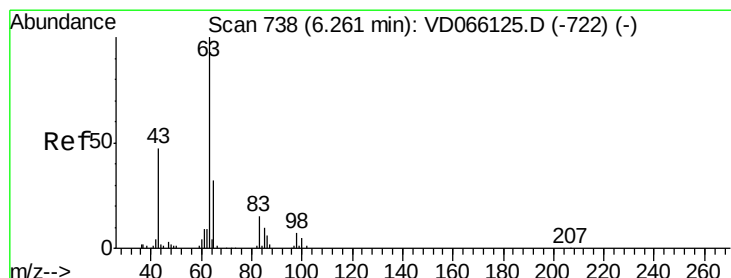
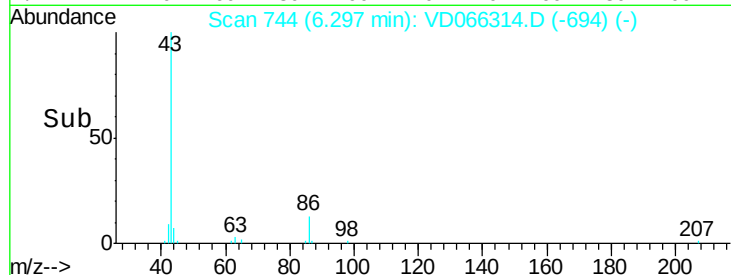
10000

5000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 25.260 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

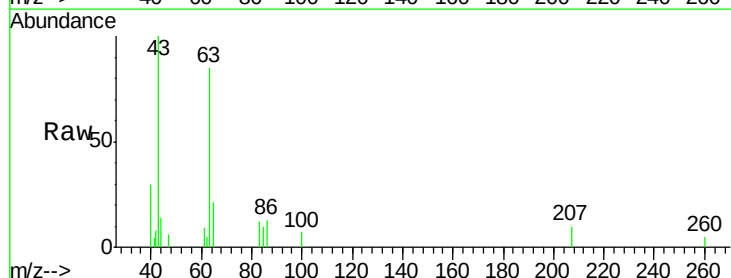
Tgt Ion: 63 Resp: 10234

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

100 7.6 2.4 7.2#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

5000

4000

3000

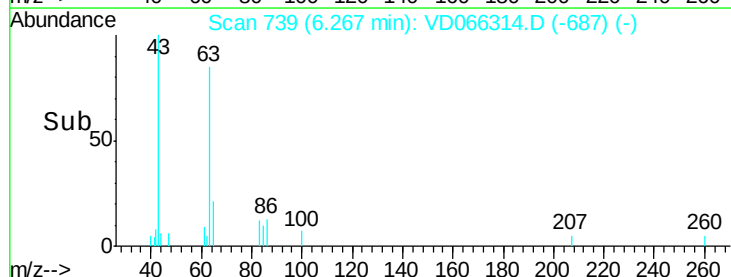
2000

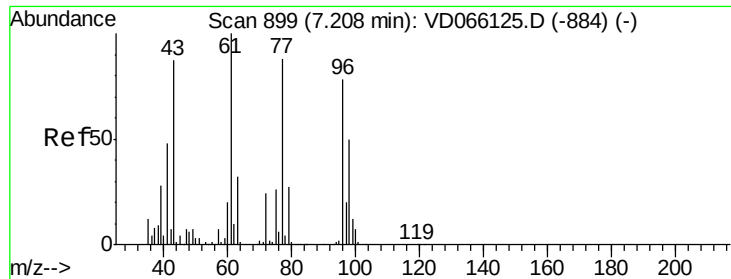
1000

0

Time-->

6.15 6.20 6.25 6.30 6.35





#25

2-Butanone

Concen: 498.426 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

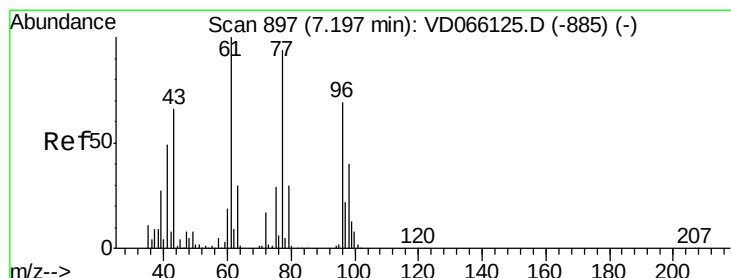
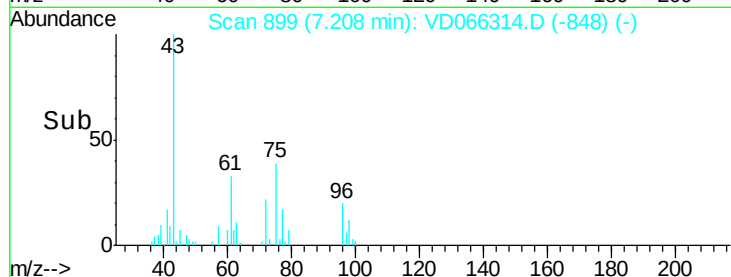
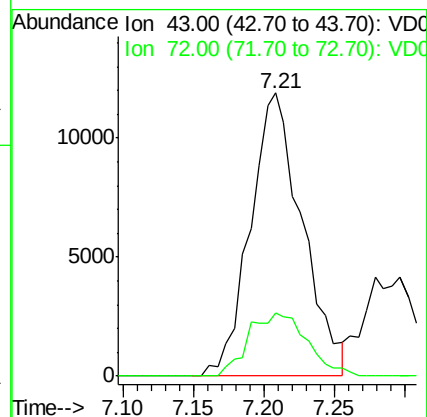
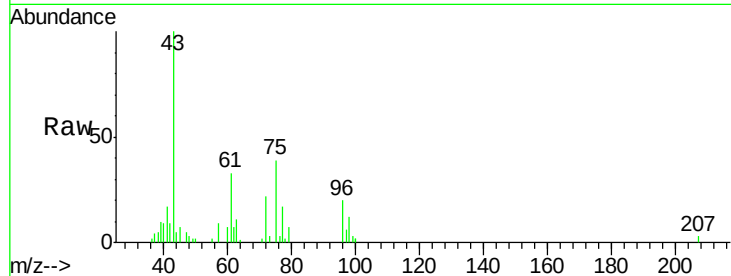
VD0819SBS01

Tgt Ion: 43 Resp: 30621

Ion Ratio Lower Upper

43 100

72 22.1 22.2 33.2#



#26

2,2-Dichloropropane

Concen: 24.162 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066314.D

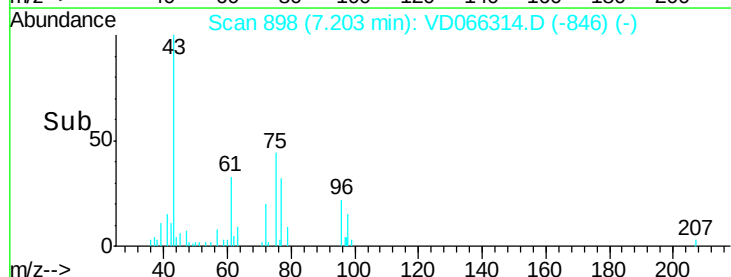
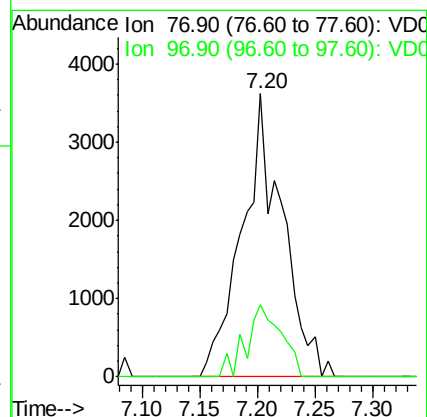
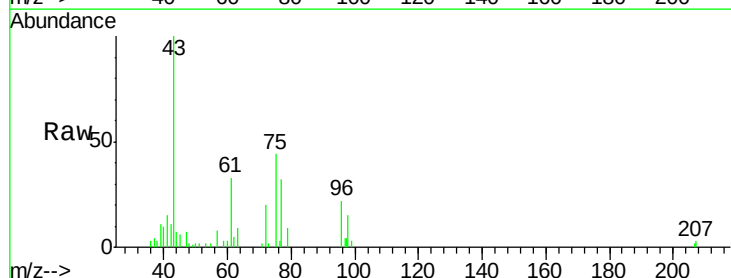
Acq: 19 Aug 2020 13:11

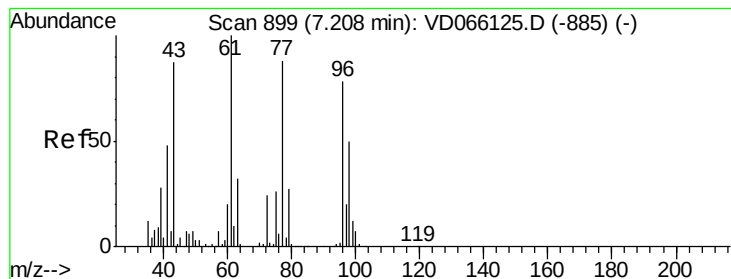
Tgt Ion: 77 Resp: 8774

Ion Ratio Lower Upper

77 100

97 22.0 11.8 35.3



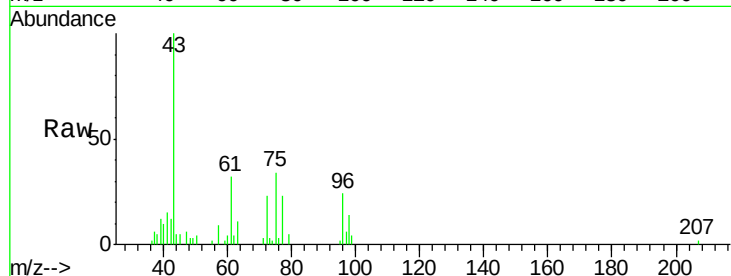


#27

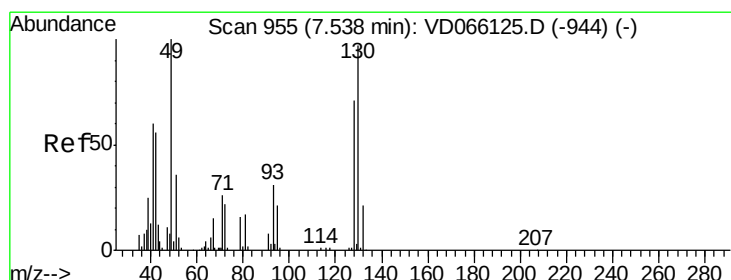
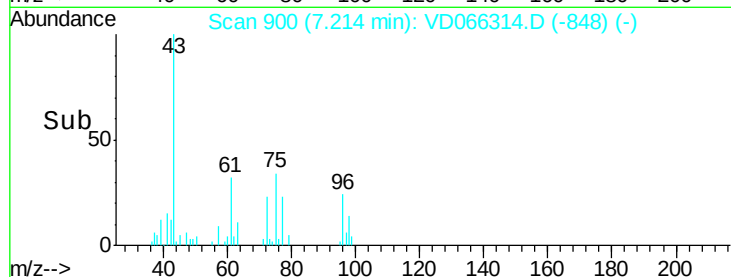
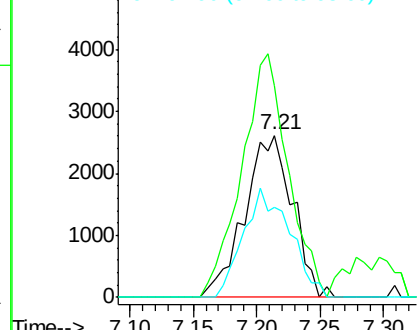
cis-1,2-Dichloroethene
 Concen: 26.095 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tgt Ion: 96 Resp: 6871
 Ion Ratio Lower Upper
 96 100
 61 145.9 0.0 281.6
 98 64.9 0.0 130.8



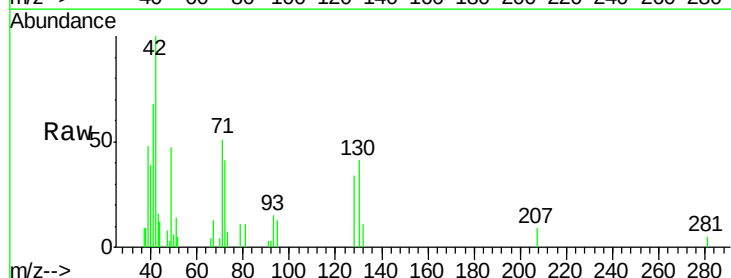
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



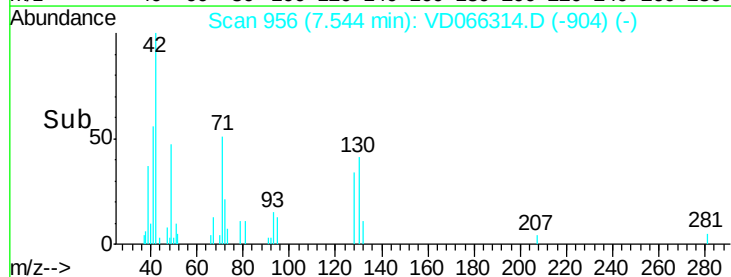
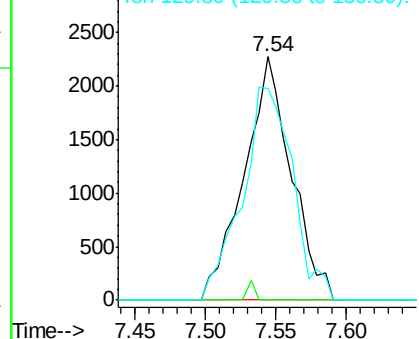
#28

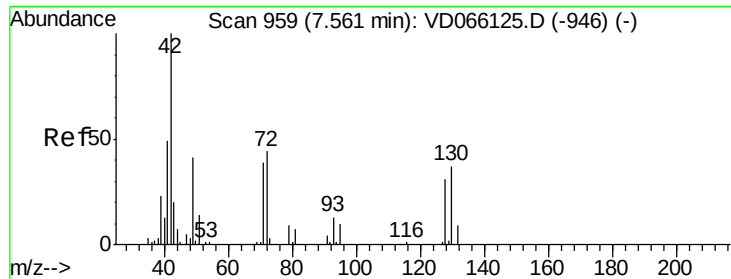
Bromochloromethane
 Concen: 37.351 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion: 49 Resp: 5315
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 6.0
 130 93.9 73.8 110.6



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

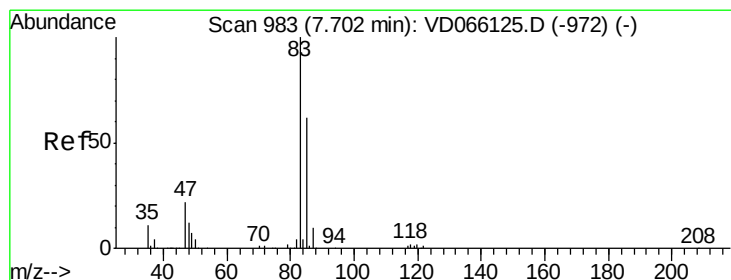
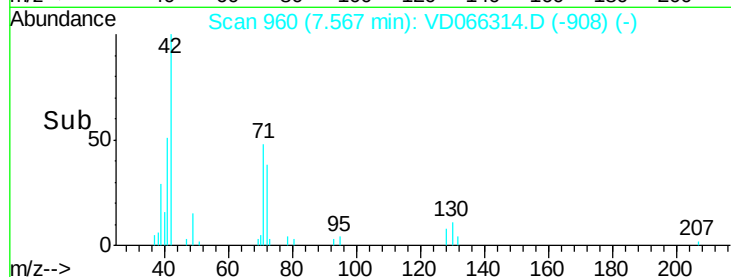
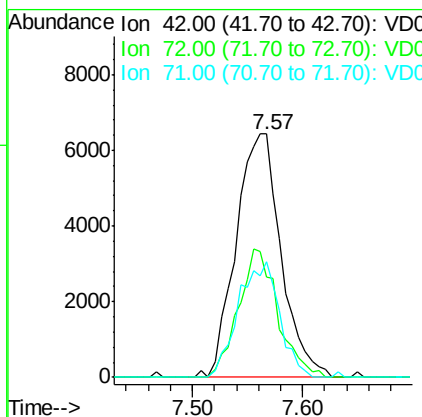
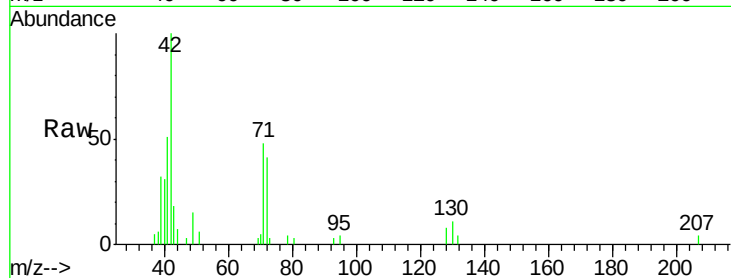




#29
Tetrahydrofuran
Concen: 483.275 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

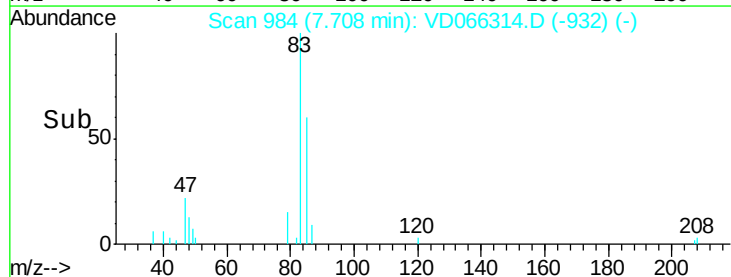
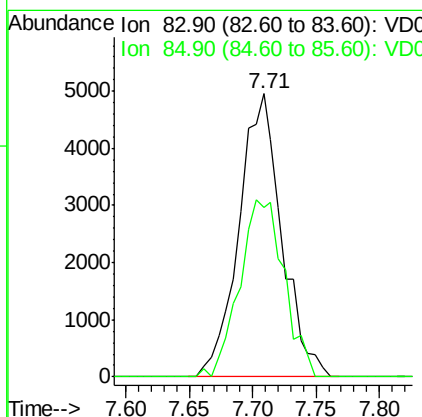
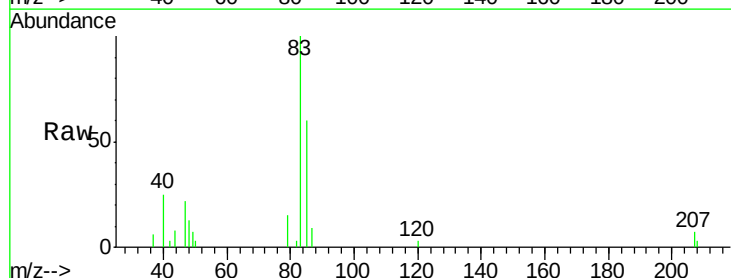
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

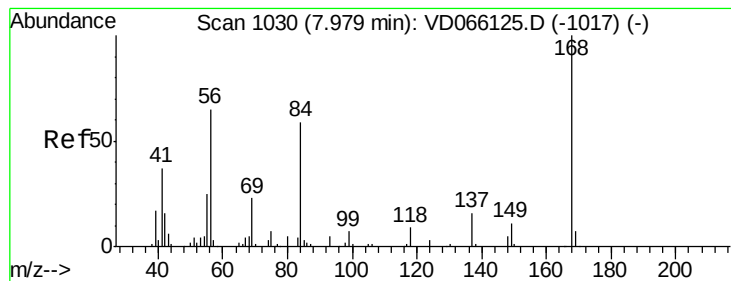
Tgt Ion: 42 Resp: 18395
Ion Ratio Lower Upper
42 100
72 46.0 34.8 52.2
71 43.5 33.5 50.3



#30
Chloroform
Concen: 27.250 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion: 83 Resp: 11593
Ion Ratio Lower Upper
83 100
85 59.9 49.5 74.3





#31

Cyclohexane

Concen: 17.919 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

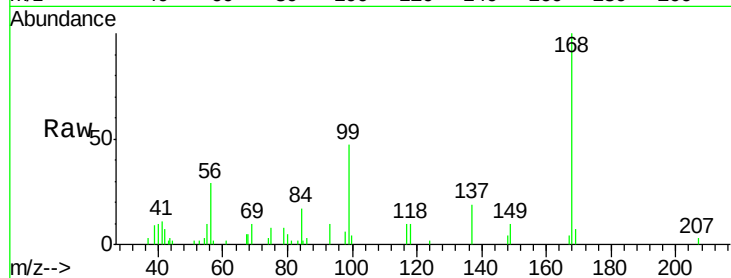
Tgt Ion: 56 Resp: 6911

Ion Ratio Lower Upper

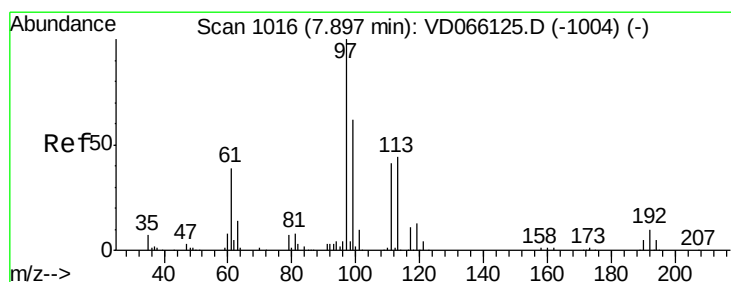
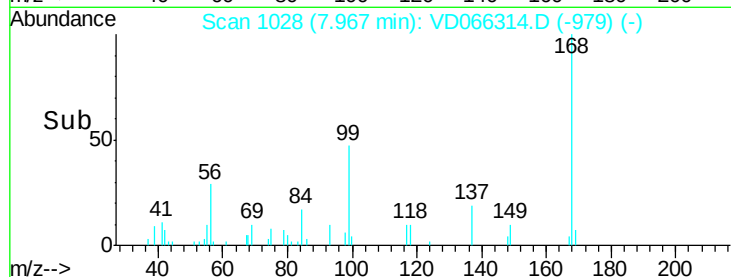
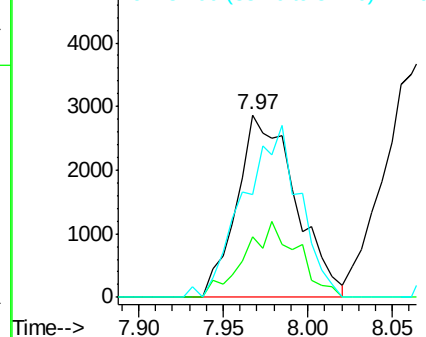
56 100

69 33.0 28.8 43.2

84 56.1 73.0 109.6#



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: 22.565 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

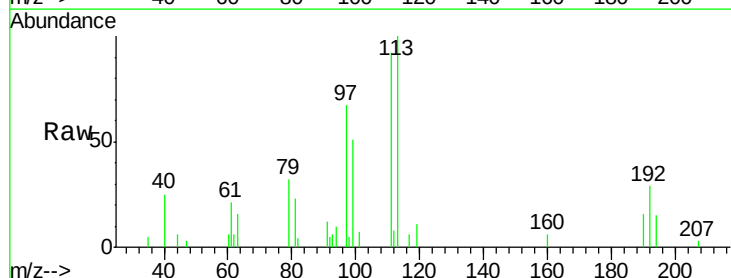
Tgt Ion: 97 Resp: 9001

Ion Ratio Lower Upper

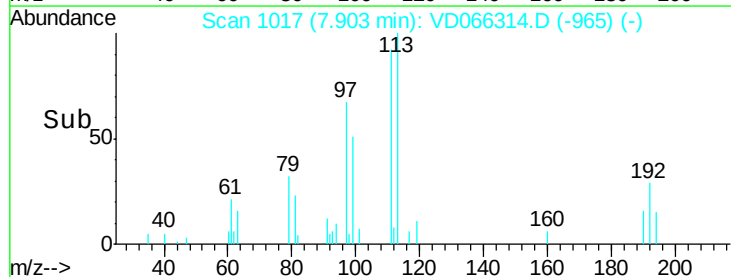
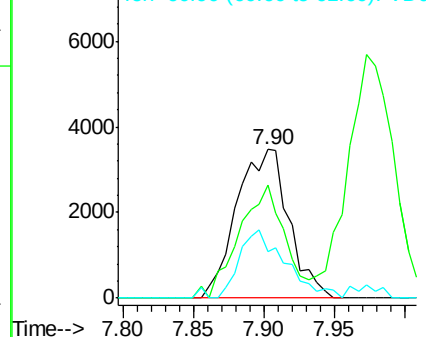
97 100

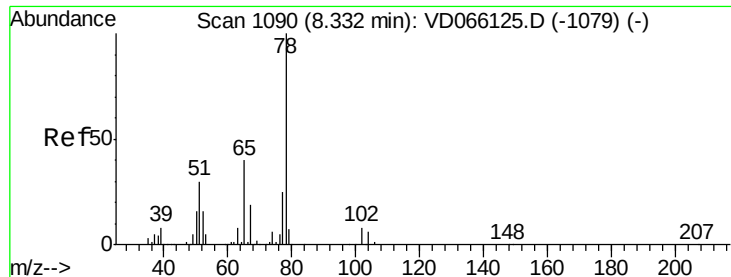
99 66.6 51.1 76.7

61 40.3 32.7 49.1



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

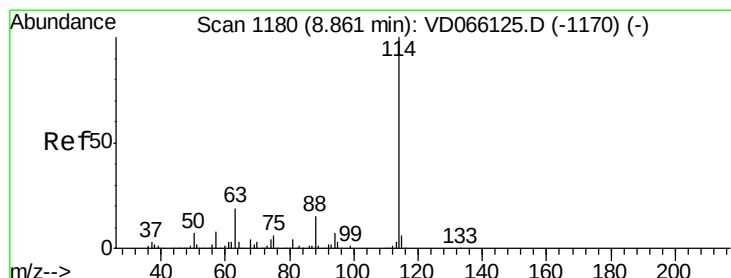
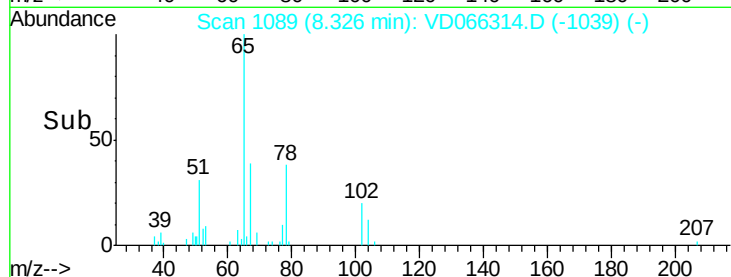
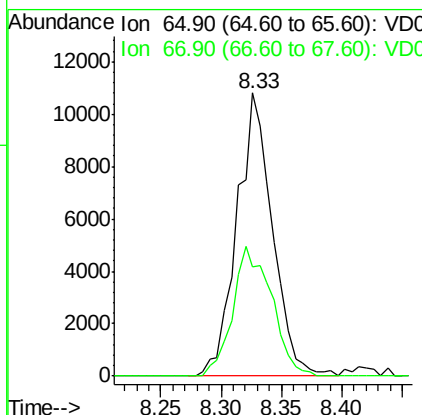
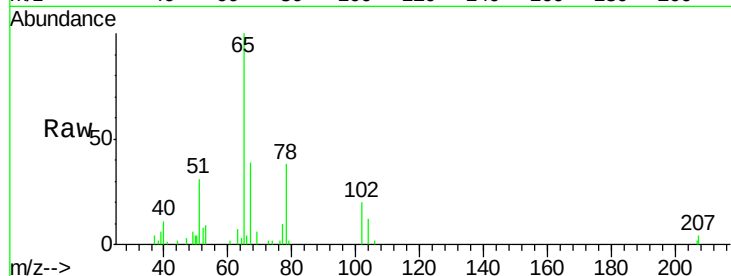




#33
 1,2-Dichloroethane-d4
 Concen: 100.550 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

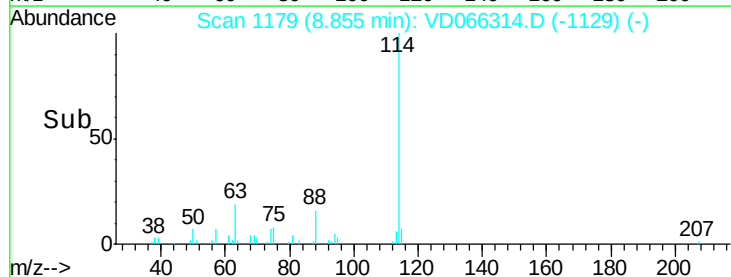
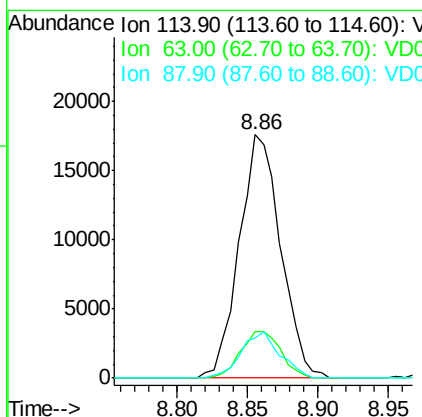
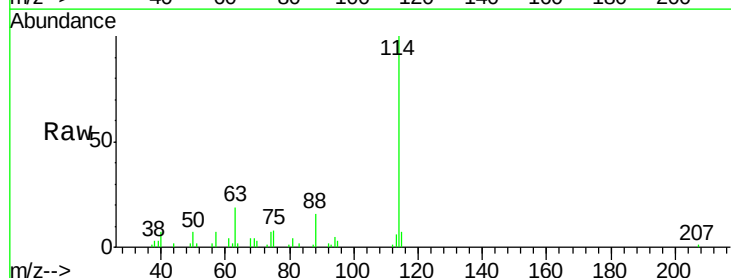
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

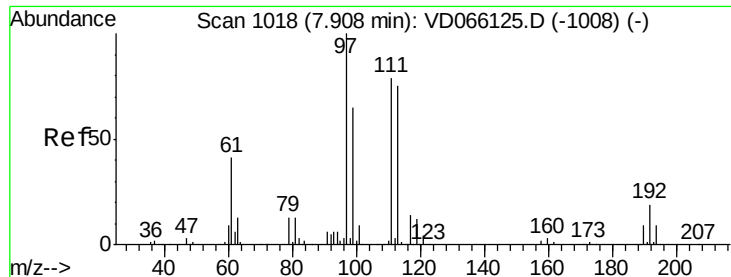
Tgt Ion: 65 Resp: 22135
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion: 114 Resp: 36212
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.6
 88 16.4 0.0 30.0

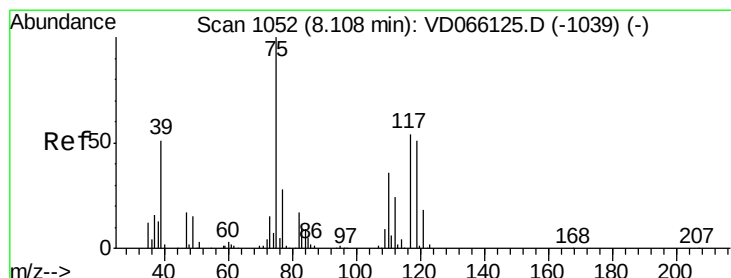
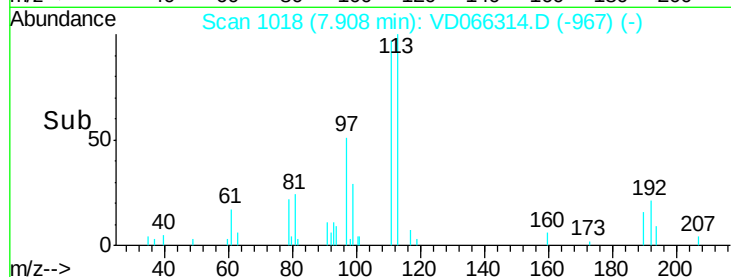
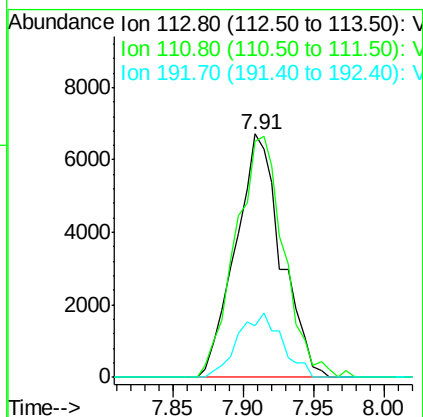
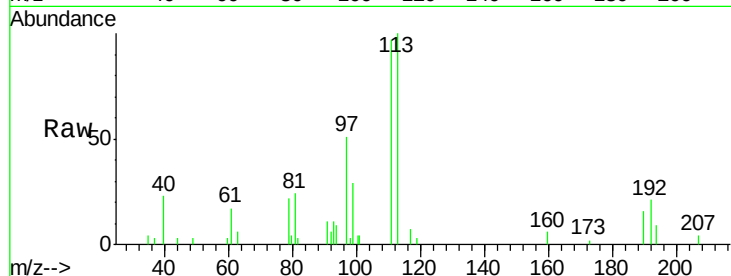




#35
 Dibromofluoromethane
 Concen: 66.452 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

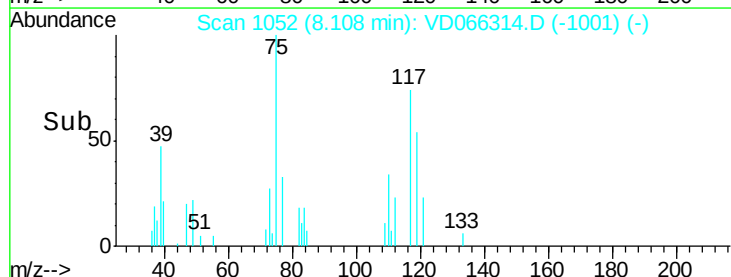
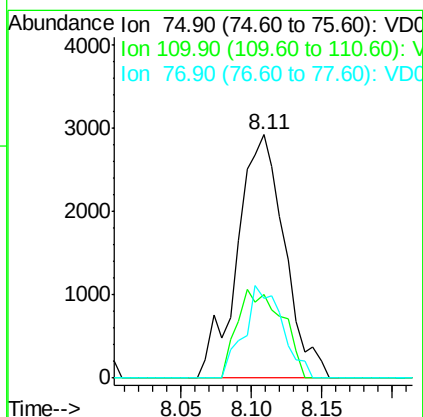
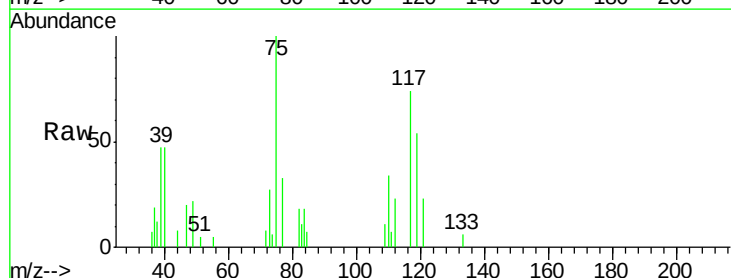
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

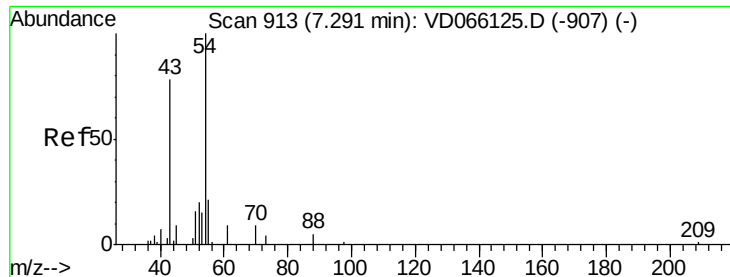
Tgt Ion: 113 Resp: 15244
 Ion Ratio Lower Upper
 113 100
 111 104.6 80.7 121.1
 192 25.5 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 20.130 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion: 75 Resp: 6850
 Ion Ratio Lower Upper
 75 100
 110 34.6 18.8 56.3
 77 30.7 24.2 36.2

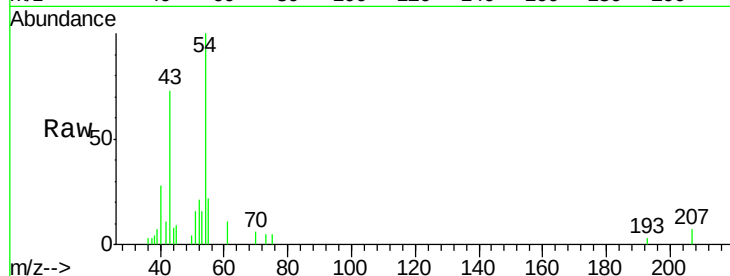




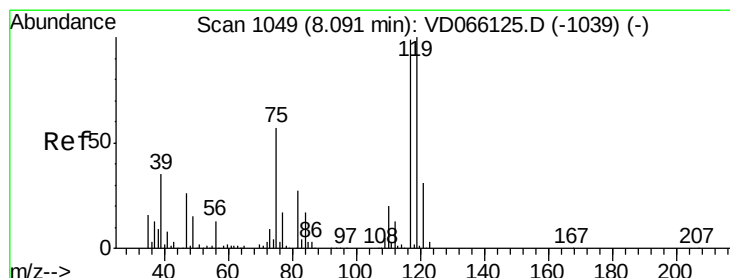
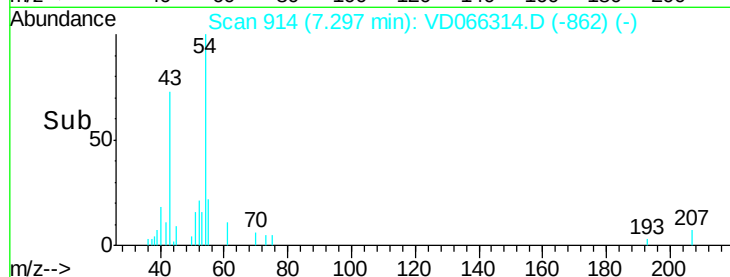
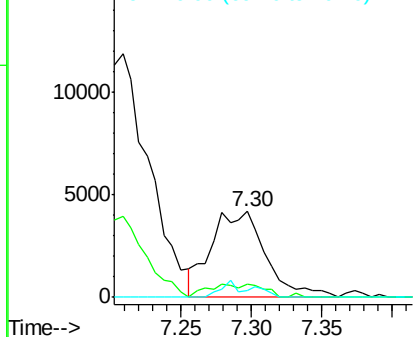
#37
Ethyl Acetate
Concen: 83.857 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

Tgt Ion: 43 Resp: 11306
Ion Ratio Lower Upper
43 100
61 8.7 12.0 18.0#
70 6.6 9.7 14.5#

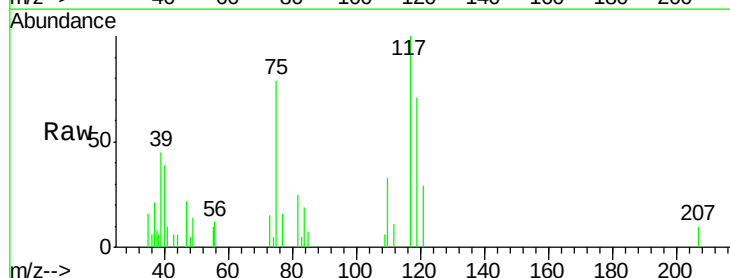


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

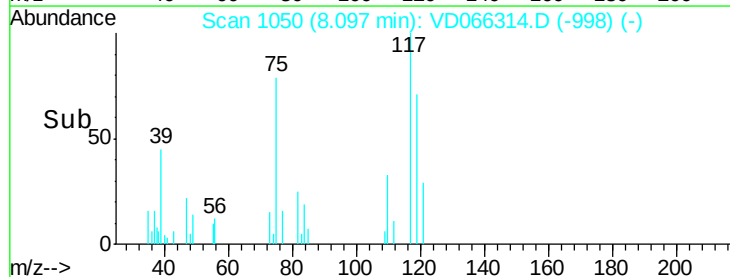
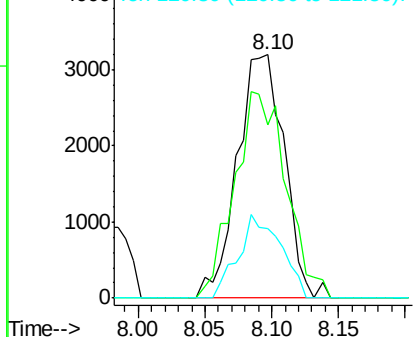


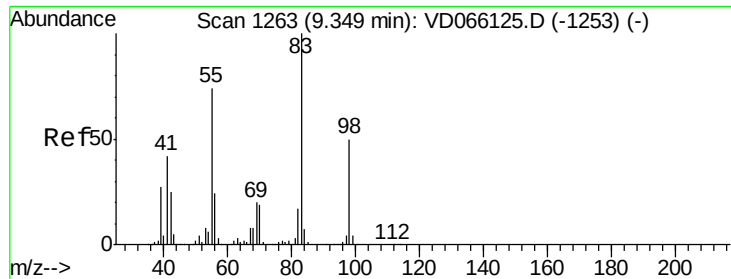
#38
Carbon Tetrachloride
Concen: 20.558 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion: 117 Resp: 7801
Ion Ratio Lower Upper
117 100
119 71.0 81.0 121.4#
121 28.7 24.8 37.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

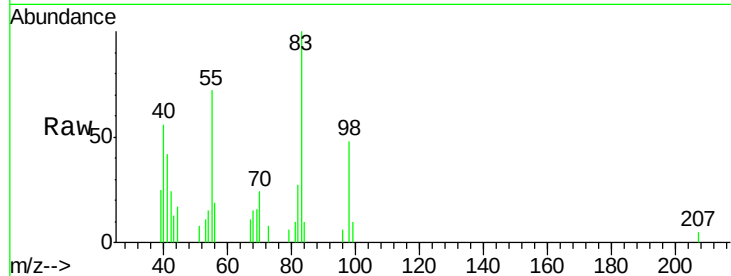




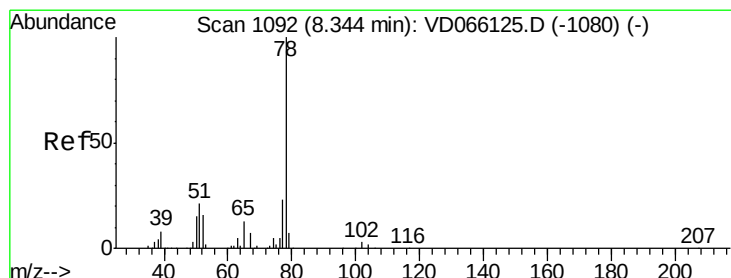
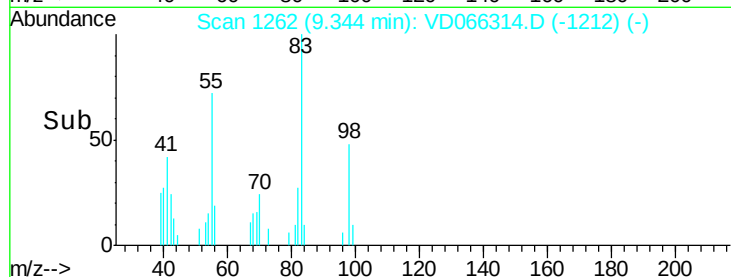
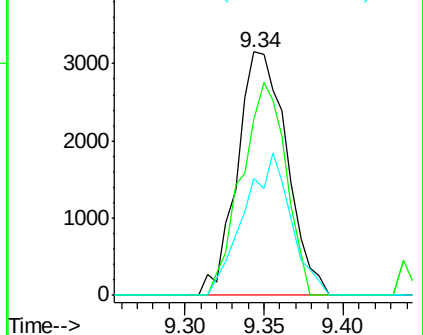
#39
Methylcyclohexane
Concen: 16.674 ug/l
RT: 9.34 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

Tgt Ion: 83 Resp: 6859
Ion Ratio Lower Upper
83 100
55 72.2 59.2 88.8
98 48.0 39.8 59.6

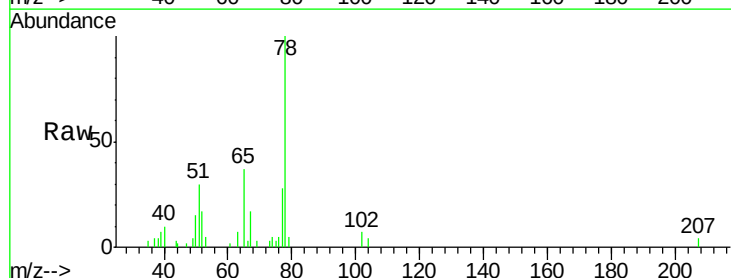


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

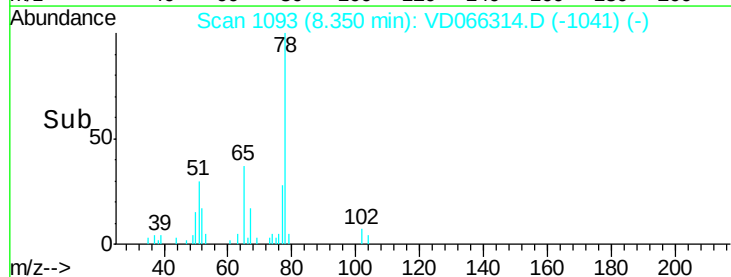
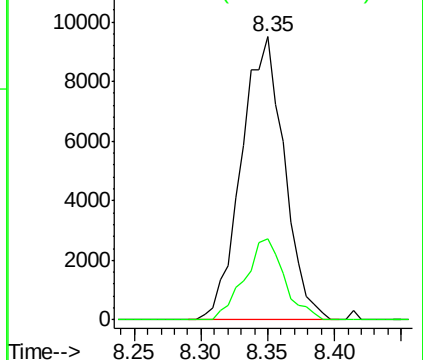


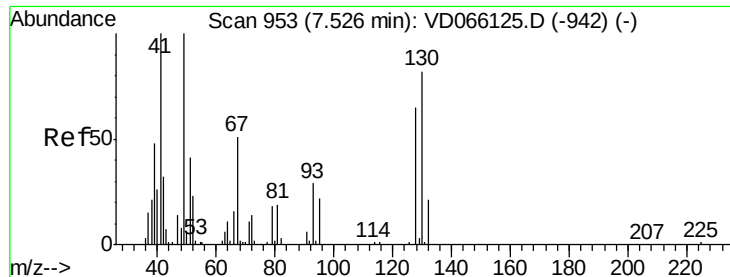
#40
Benzene
Concen: 22.411 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion: 78 Resp: 21155
Ion Ratio Lower Upper
78 100
77 28.5 18.6 27.8#



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

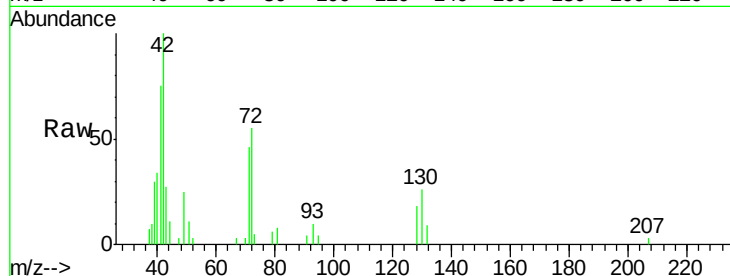




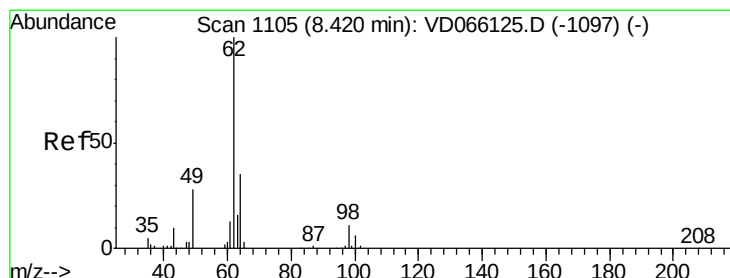
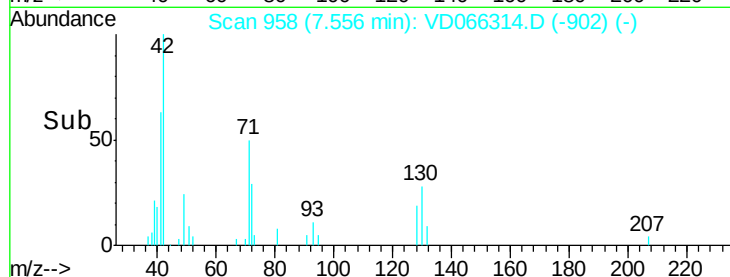
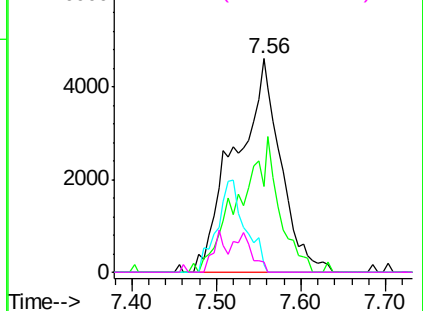
#41
Methacrylonitrile
Concen: 217.603 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.03 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

Tgt Ion: 41 Resp: 17250
Ion Ratio Lower Upper
41 100
39 36.3 47.5 71.3#
67 0.0 59.1 88.7#
52 0.0 25.4 38.0#

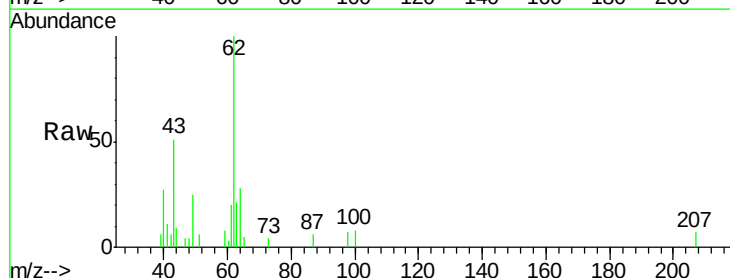


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

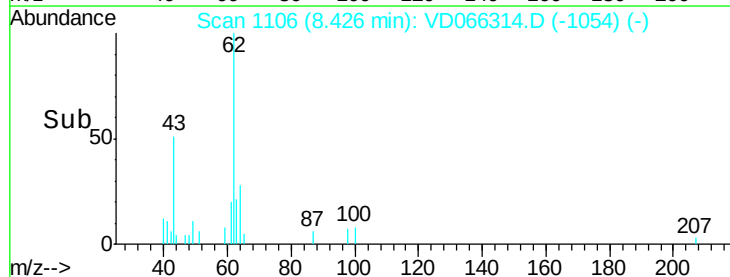
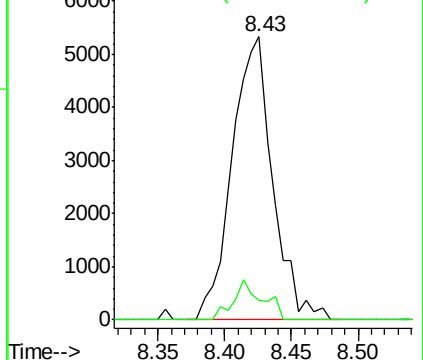


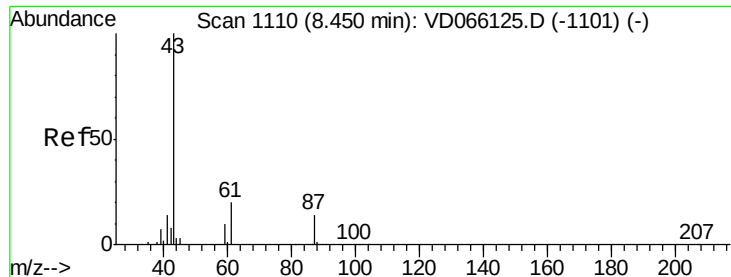
#42
1,2-Dichloroethane
Concen: 40.647 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion: 62 Resp: 11272
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.4



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





#43

Isopropyl Acetate

Concen: 64.266 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

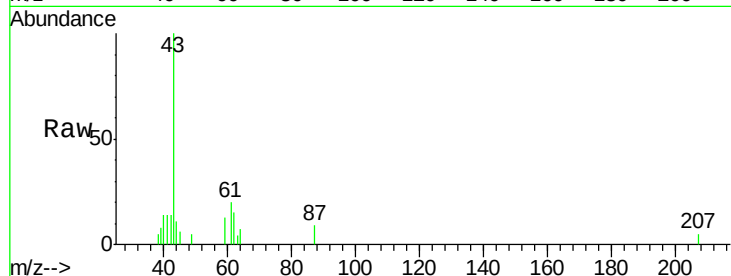
Tgt Ion: 43 Resp: 17072

Ion Ratio Lower Upper

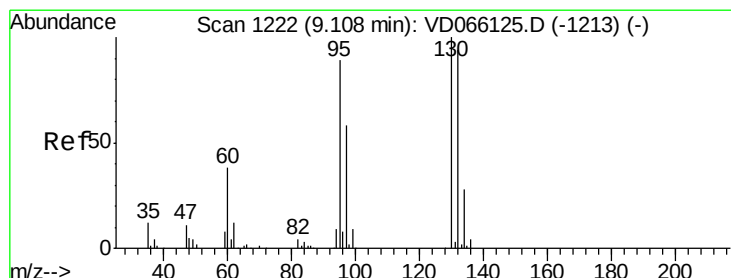
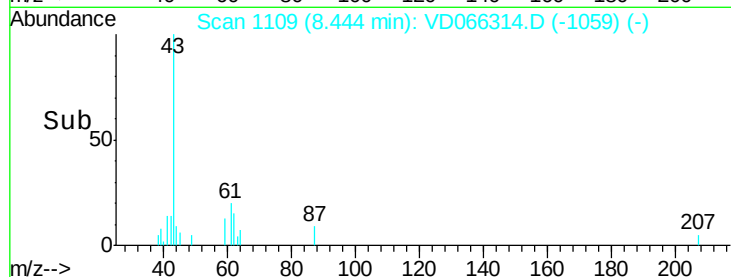
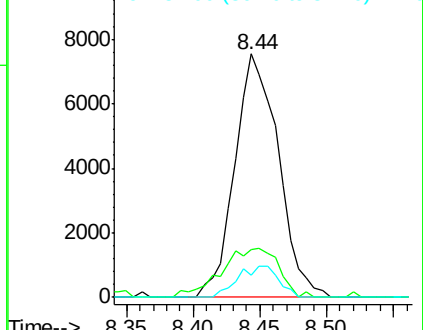
43 100

61 26.6 25.5 38.3

87 12.0 11.2 16.8



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: 21.297 ug/l

RT: 9.10 min Scan# 1221

Delta R.T. -0.01 min

Lab File: VD066314.D

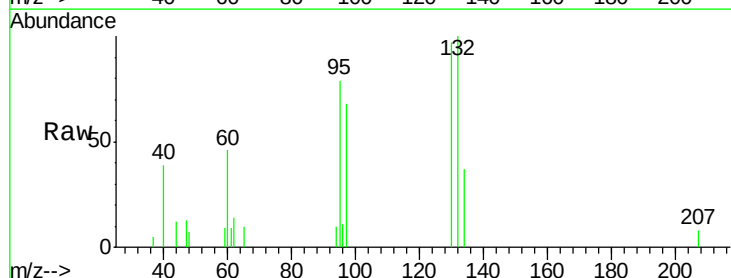
Acq: 19 Aug 2020 13:11

Tgt Ion: 130 Resp: 6058

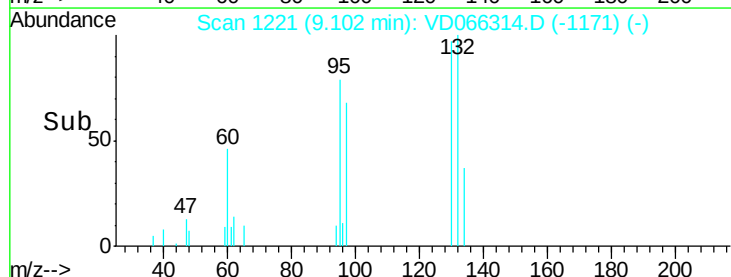
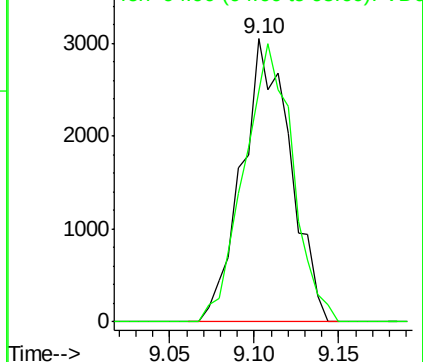
Ion Ratio Lower Upper

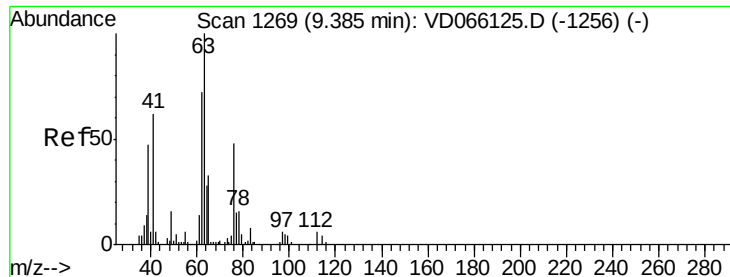
130 100

95 81.4 0.0 178.4



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

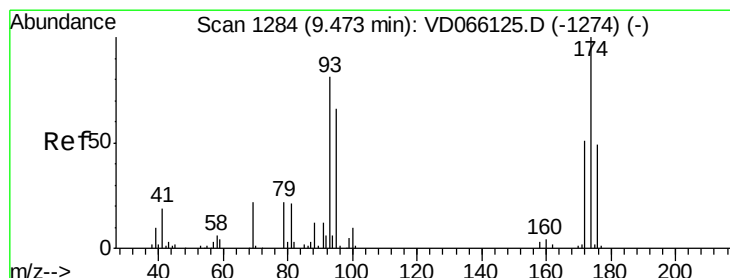
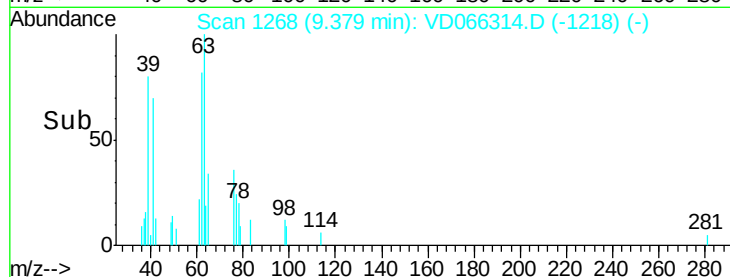
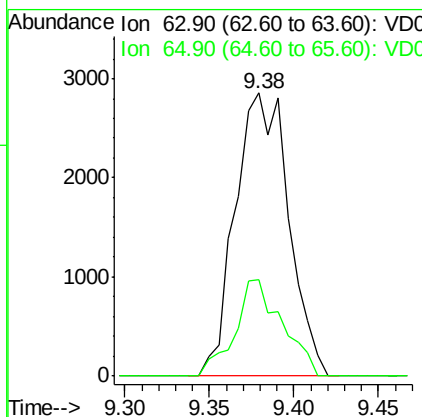
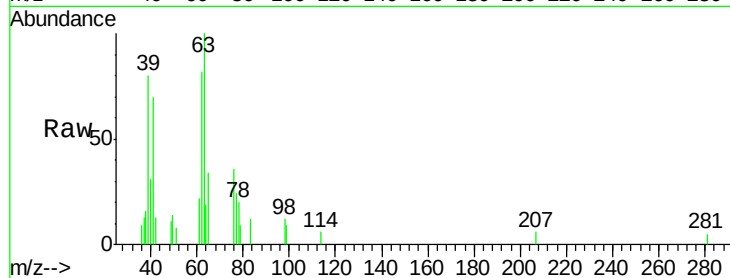




#45
 1,2-Dichloropropane
 Concen: 27.171 ug/l
 RT: 9.38 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

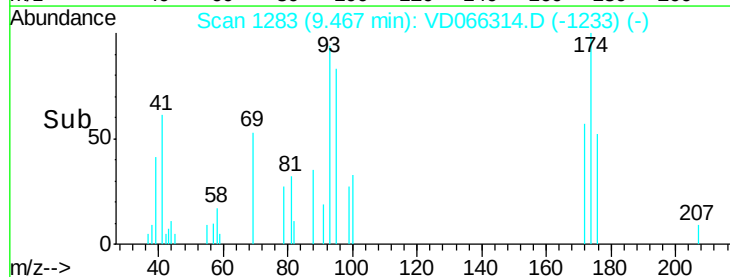
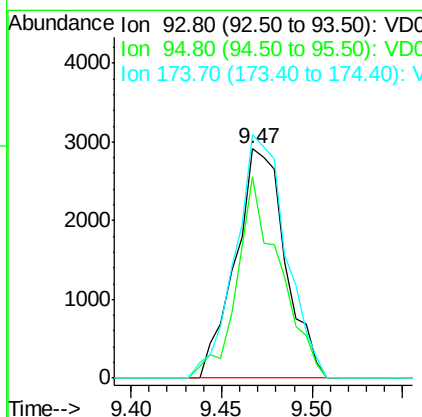
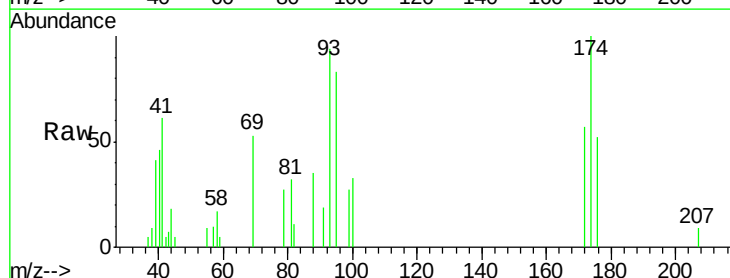
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

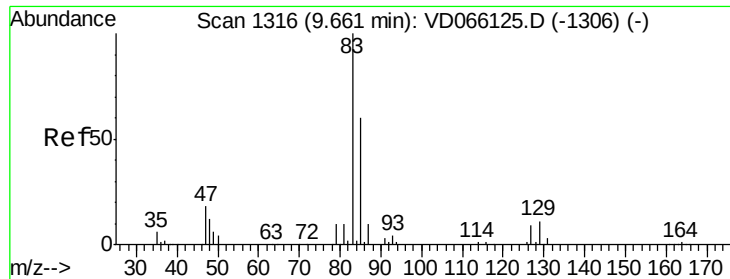
Tgt Ion: 63 Resp: 6273
 Ion Ratio Lower Upper
 63 100
 65 34.1 26.5 39.7



#46
 Dibromomethane
 Concen: 43.784 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion: 93 Resp: 5568
 Ion Ratio Lower Upper
 93 100
 95 75.1 65.8 98.6
 174 107.2 92.8 139.2





#47

Bromodichloromethane

Concen: 31.151 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

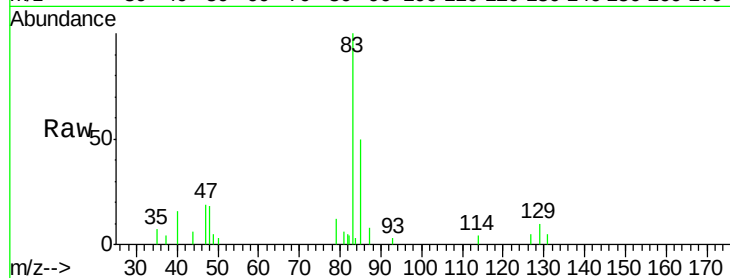
Tgt Ion: 83 Resp: 10470

Ion Ratio Lower Upper

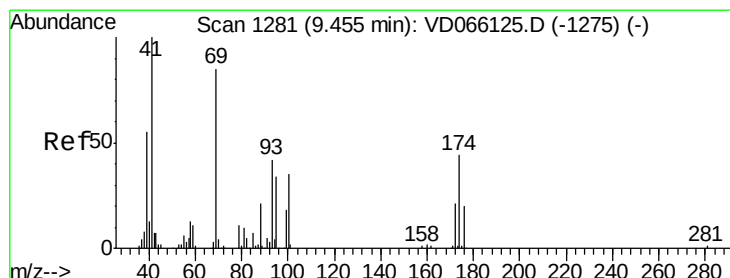
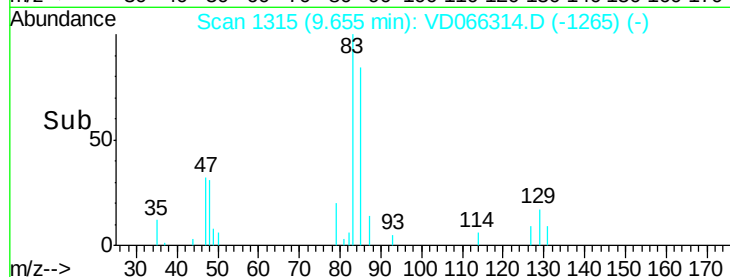
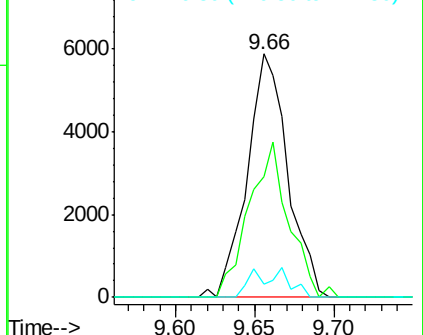
83 100

85 49.5 48.2 72.4

127 5.4 7.3 10.9#



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): V



#48

Methyl methacrylate

Concen: 62.296 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

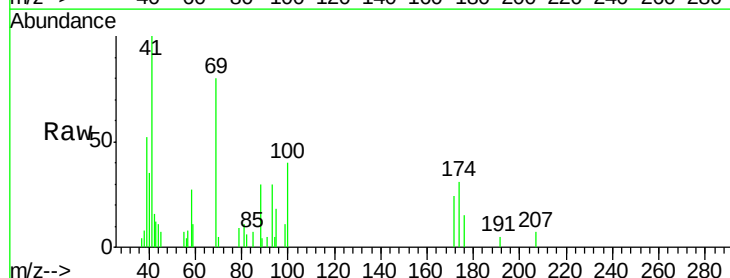
Tgt Ion: 41 Resp: 8450

Ion Ratio Lower Upper

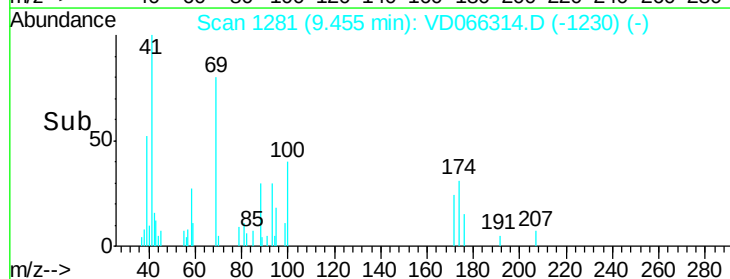
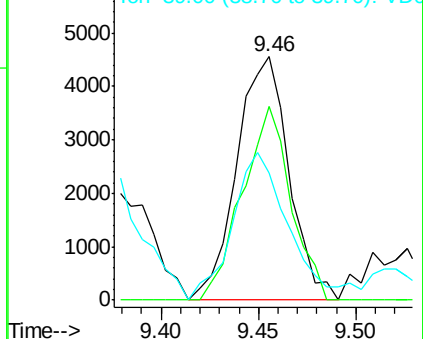
41 100

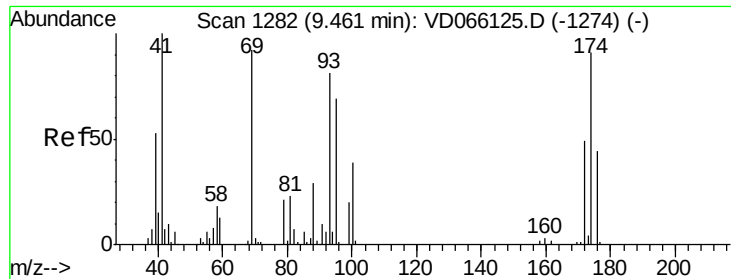
69 74.1 63.9 95.9

39 63.9 42.6 64.0



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

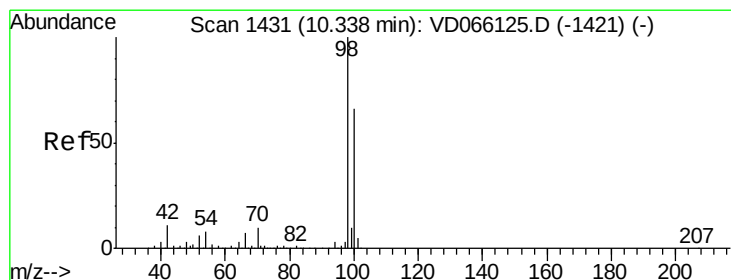
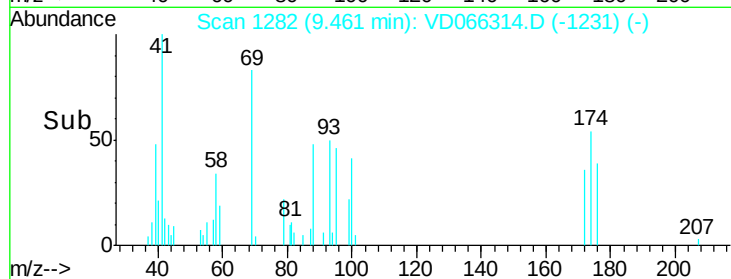
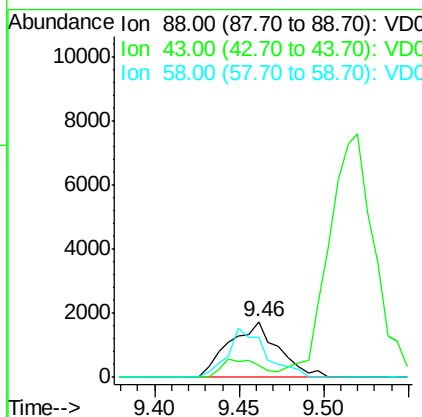
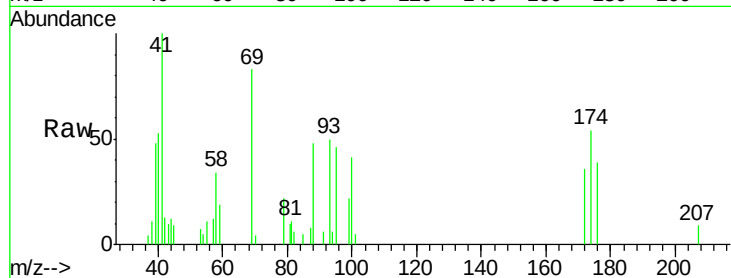




#49
1,4-Dioxane
Concen: 2150.192 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

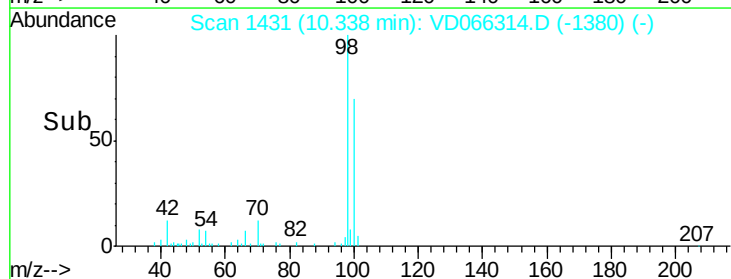
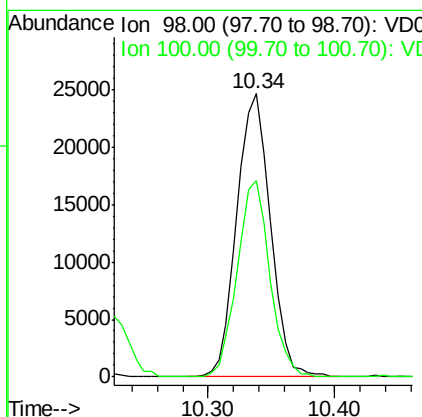
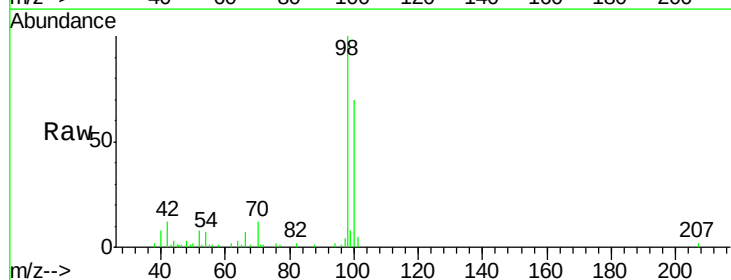
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

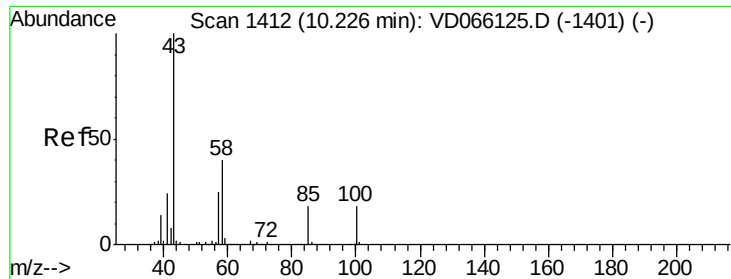
Tgt Ion: 88 Resp: 3513
Ion Ratio Lower Upper
88 100
43 26.0 27.5 41.3#
58 68.9 50.2 75.4



#50
Toluene-d8
Concen: 53.716 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion: 98 Resp: 45473
Ion Ratio Lower Upper
98 100
100 67.1 52.6 78.8

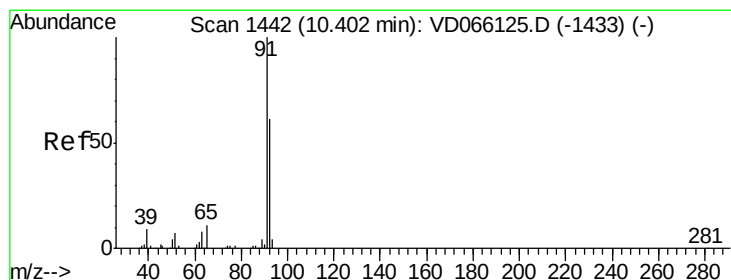
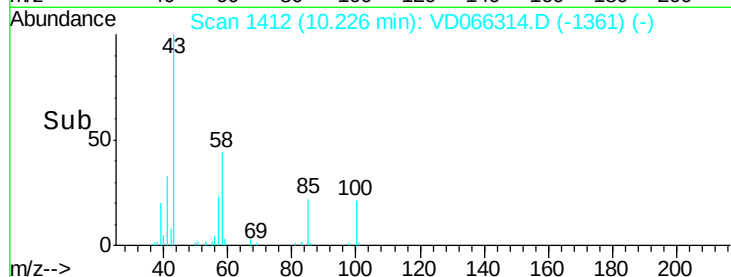
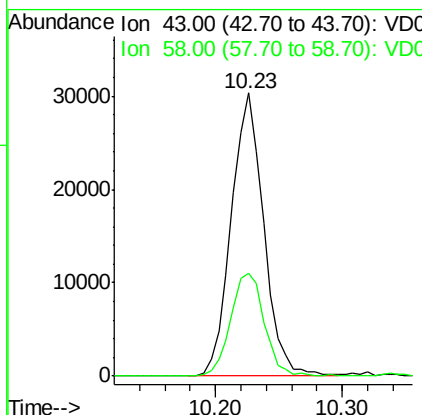
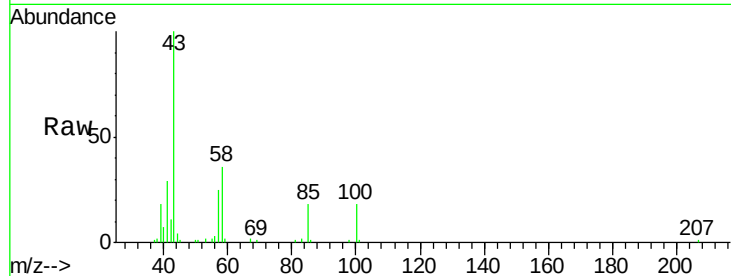




#51
 4-Methyl-2-Pentanone
 Concen: 394.099 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

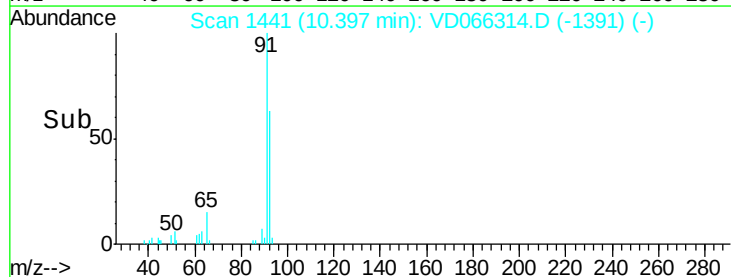
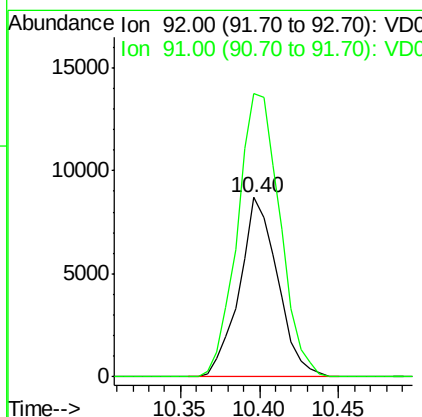
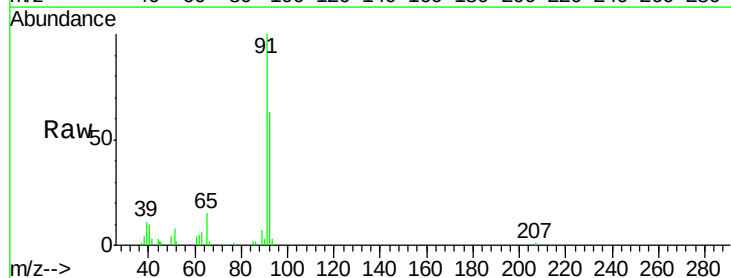
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

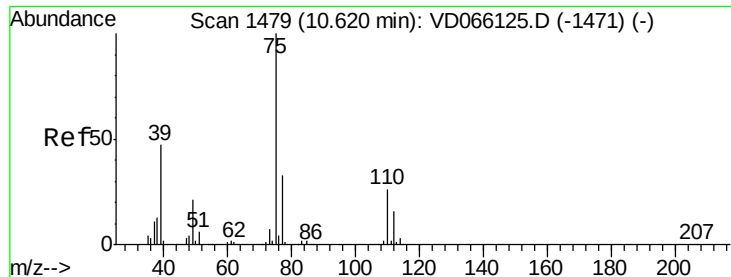
Tgt Ion: 43 Resp: 53775
 Ion Ratio Lower Upper
 43 100
 58 37.5 31.1 46.7



#52
 Toluene
 Concen: 23.505 ug/l
 RT: 10.40 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion: 92 Resp: 14600
 Ion Ratio Lower Upper
 92 100
 91 174.6 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 35.524 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

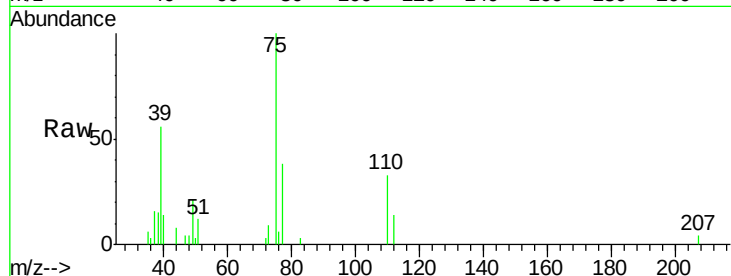
VD0819SBS01

Tgt Ion: 75 Resp: 11331

Ion Ratio Lower Upper

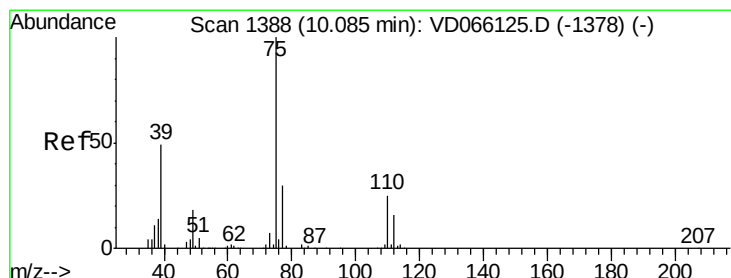
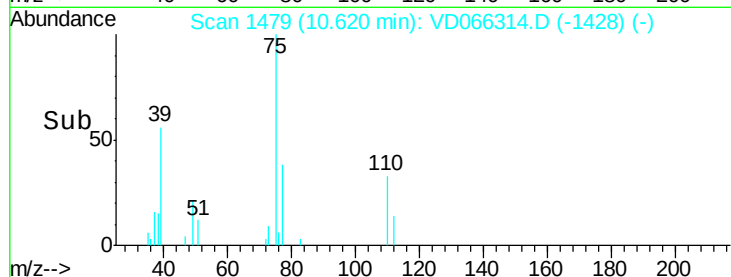
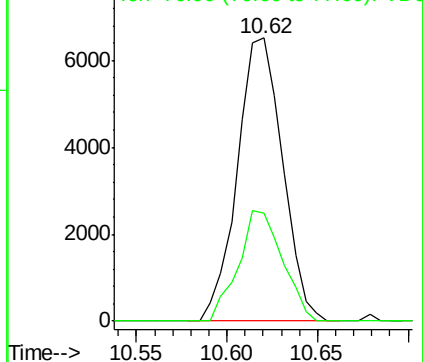
75 100

77 38.3 26.2 39.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 31.002 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

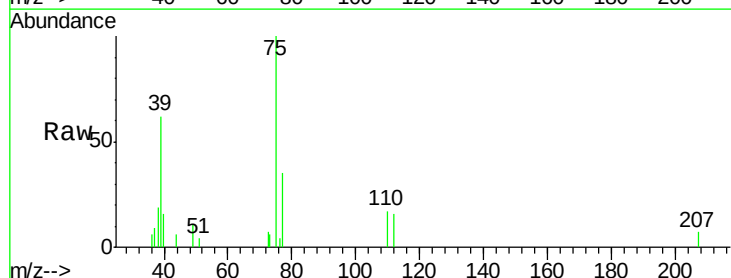
Tgt Ion: 75 Resp: 11586

Ion Ratio Lower Upper

75 100

77 35.0 24.3 36.5

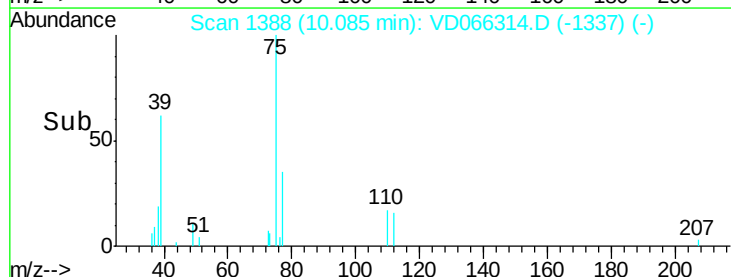
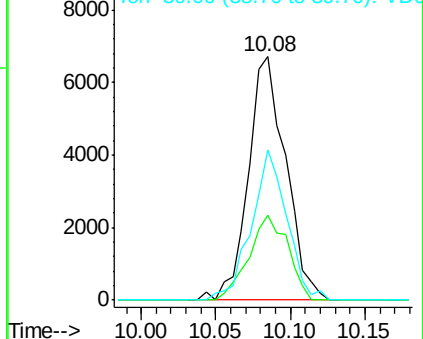
39 61.6 39.3 58.9#

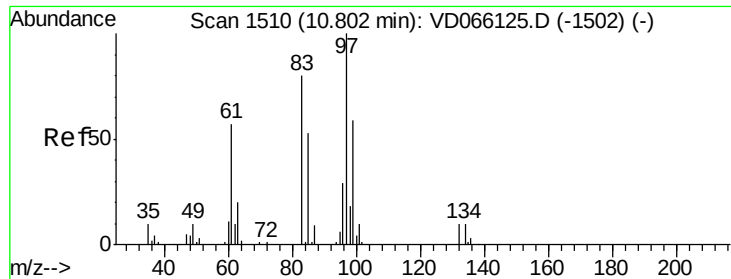


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 43.955 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tgt Ion: 97 Resp: 8049

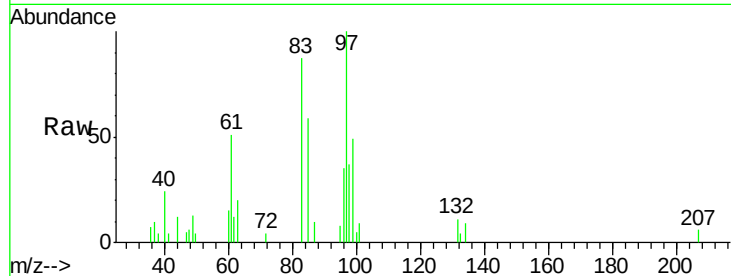
Ion Ratio Lower Upper

97 100

83 87.3 63.9 95.9

85 59.0 42.5 63.7

99 49.1 47.4 71.0

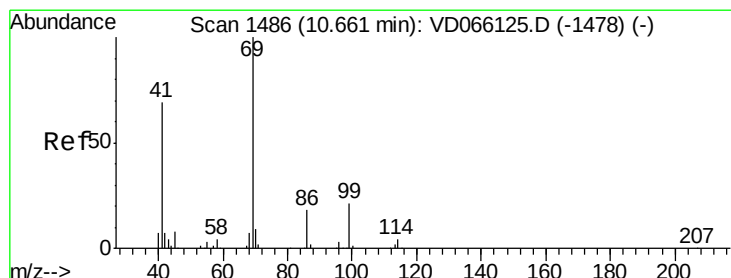
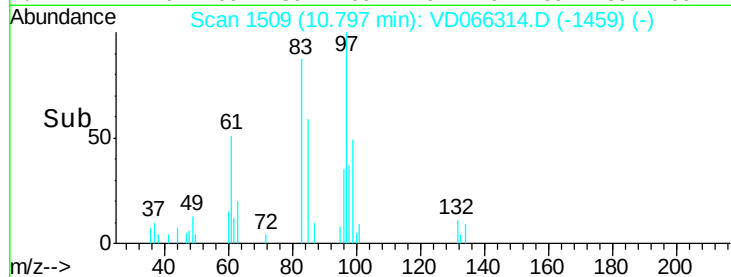
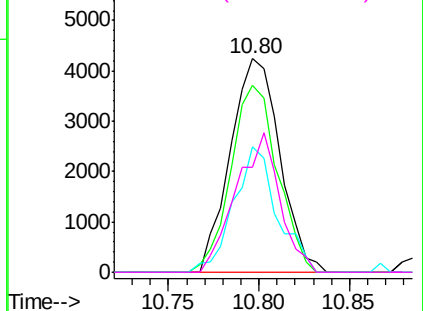


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 50.905 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

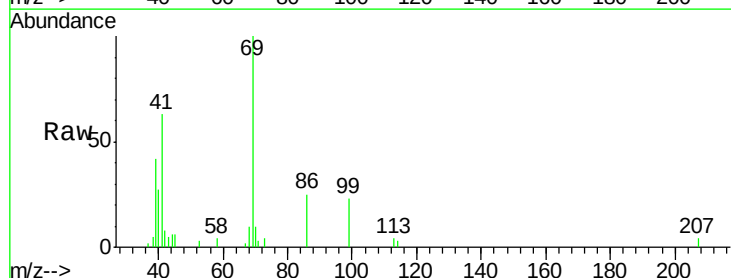
Tgt Ion: 69 Resp: 11198

Ion Ratio Lower Upper

69 100

41 63.6 54.1 81.1

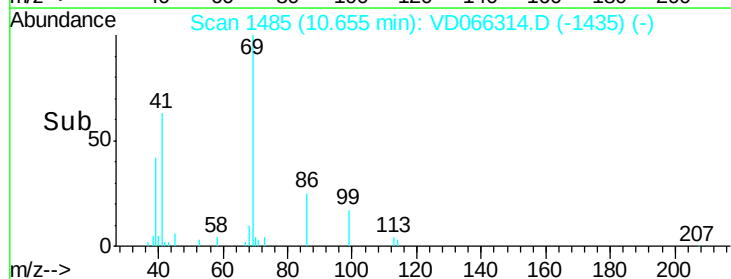
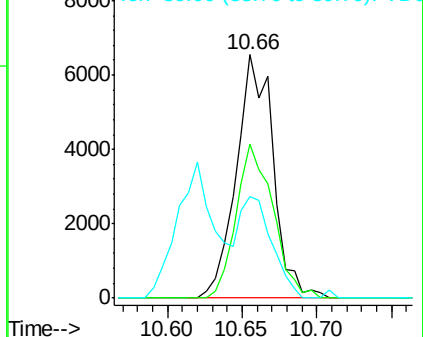
39 36.2 28.6 43.0

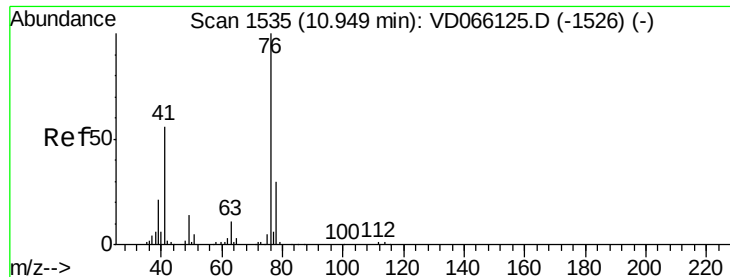


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

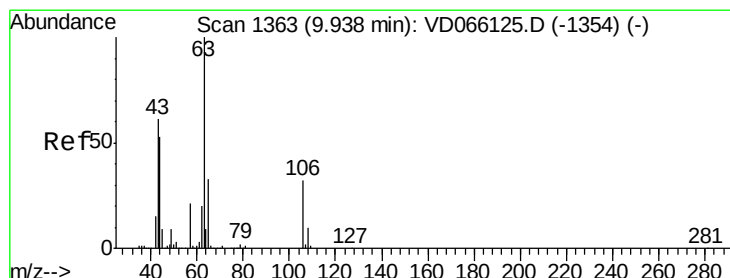
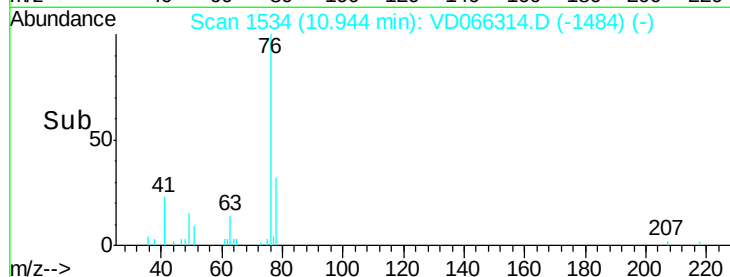
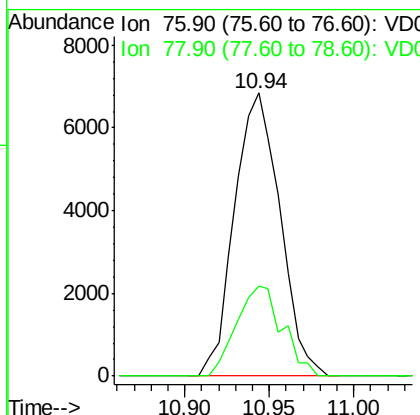
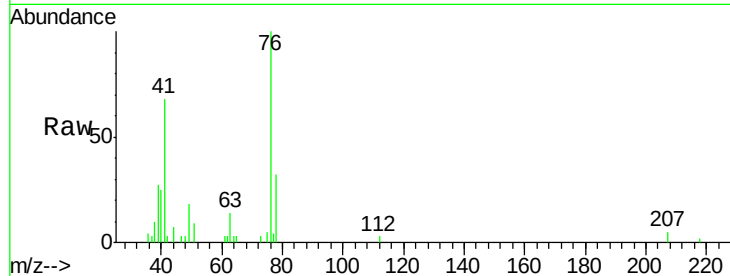




#57
 1,3-Dichloropropane
 Concen: 42.213 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

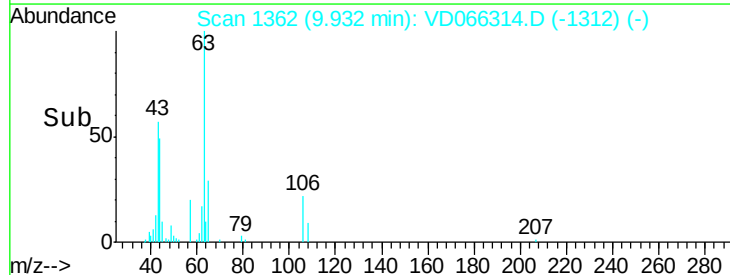
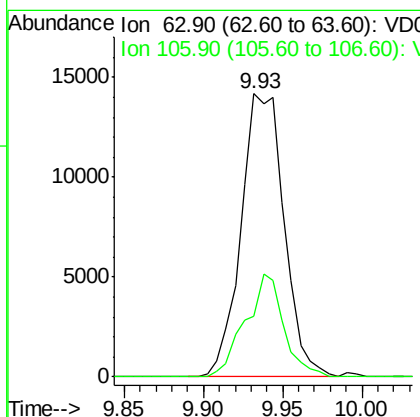
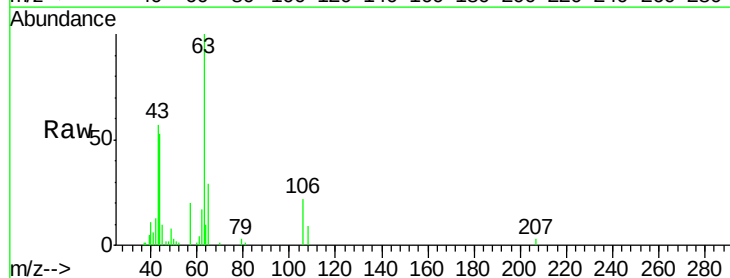
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

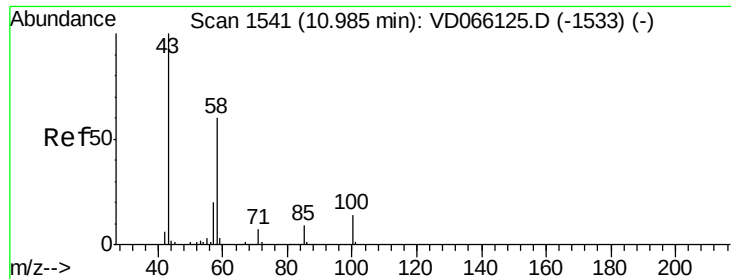
Tgt Ion: 76 Resp: 12833
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 271.484 ug/l
 RT: 9.93 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion: 63 Resp: 26863
 Ion Ratio Lower Upper
 63 100
 106 32.1 25.3 37.9

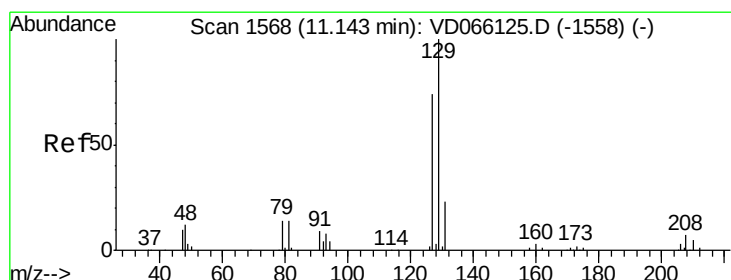
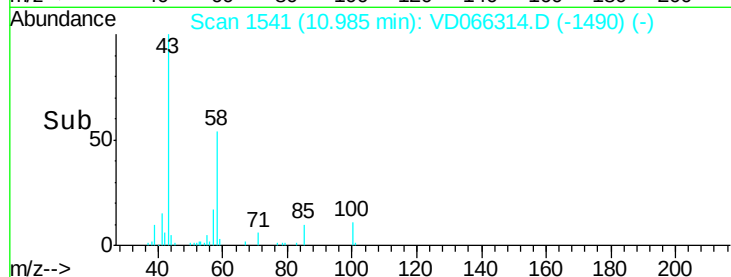
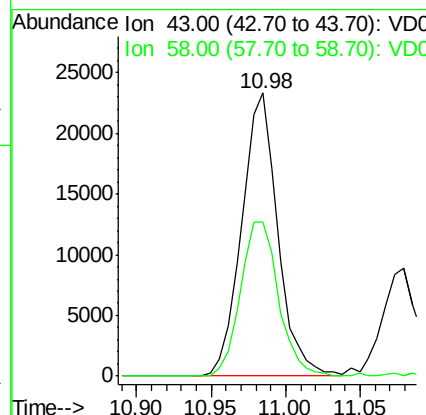
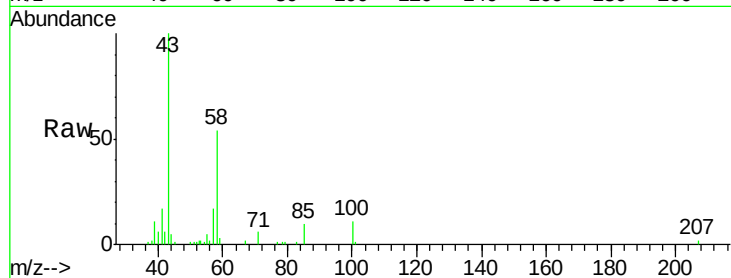




#59
2-Hexanone
Concen: 408.319 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

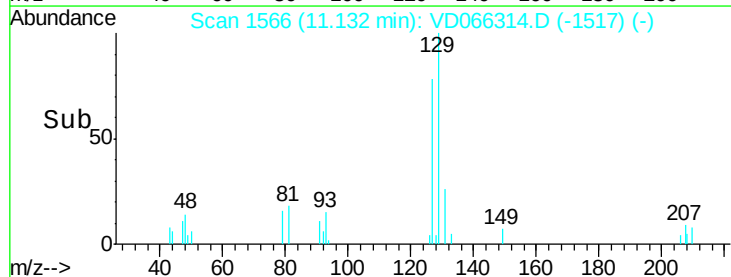
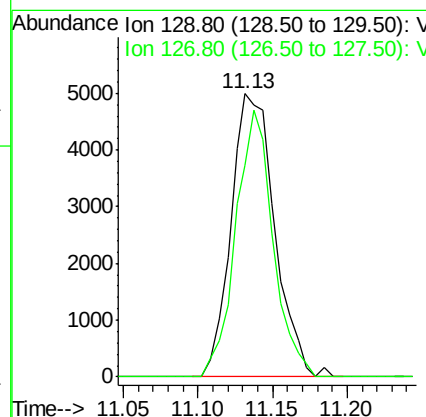
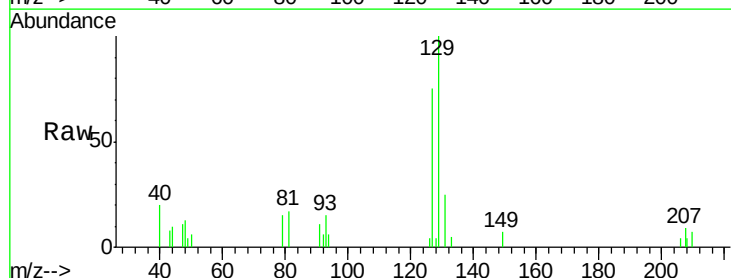
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

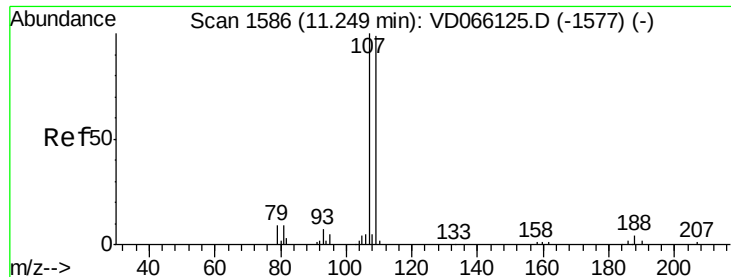
Tgt Ion: 43 Resp: 39102
Ion Ratio Lower Upper
43 100
58 57.4 27.8 83.4



#60
Dibromochloromethane
Concen: 40.105 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion: 129 Resp: 10139
Ion Ratio Lower Upper
129 100
127 80.5 38.0 114.1

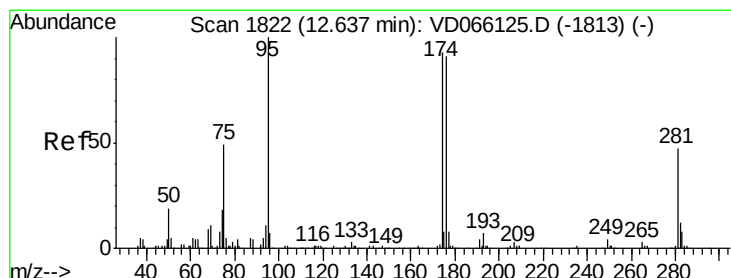
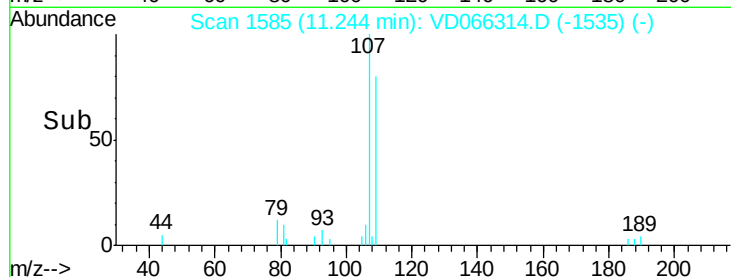
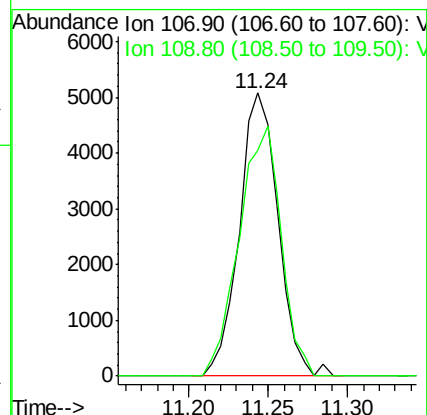
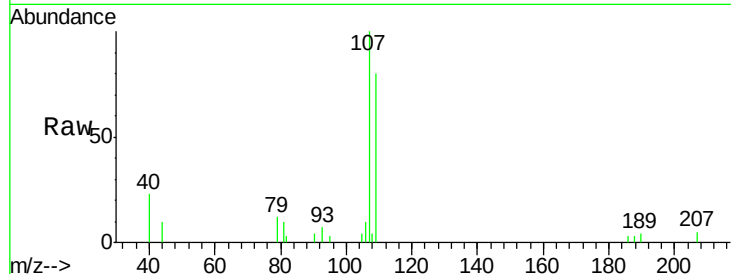




#61
 1,2-Dibromoethane
 Concen: 49.078 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

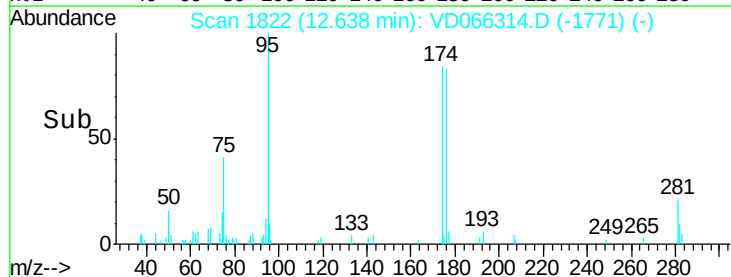
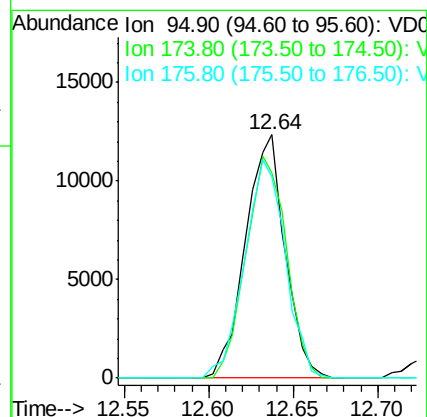
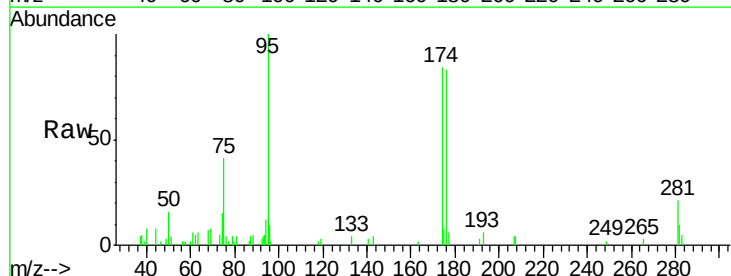
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

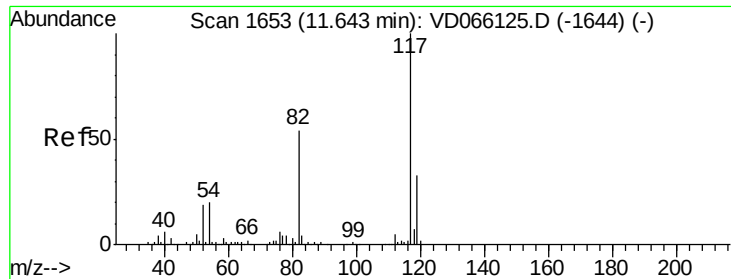
Tgt Ion: 107 Resp: 8643
 Ion Ratio Lower Upper
 107 100
 109 95.4 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 66.116 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion: 95 Resp: 20175
 Ion Ratio Lower Upper
 95 100
 174 93.1 0.0 180.8
 176 92.5 0.0 181.2

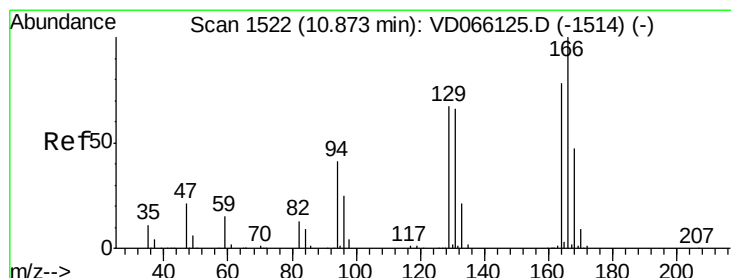
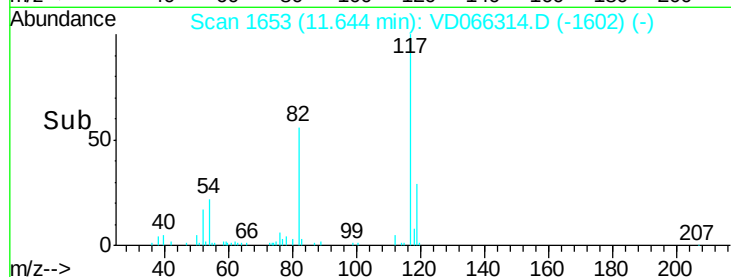
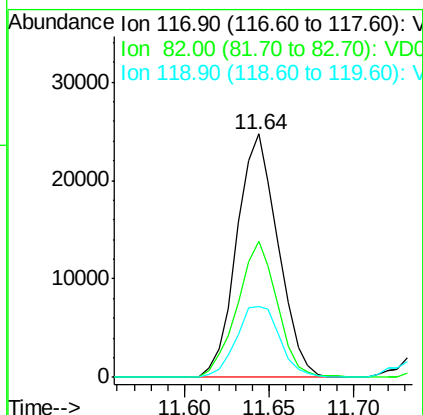
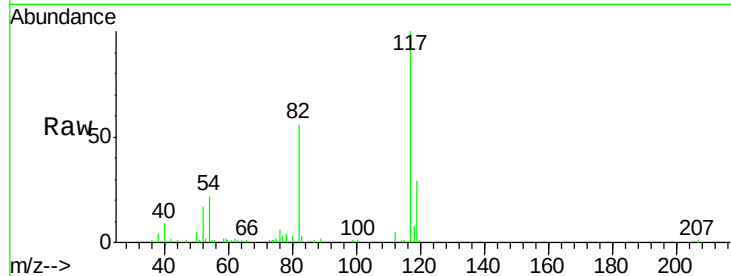




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

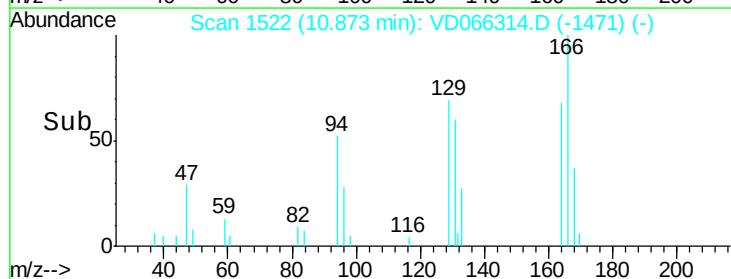
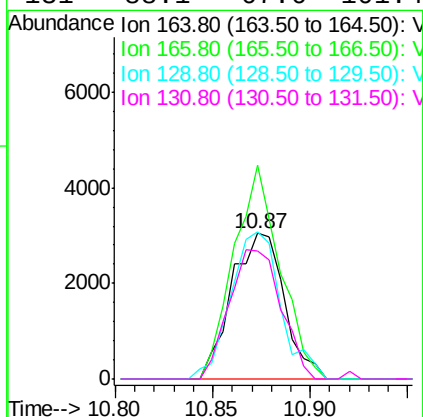
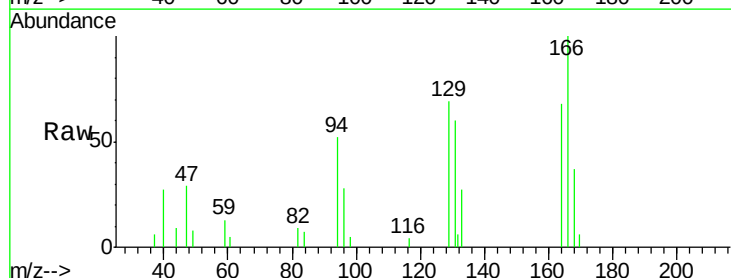
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

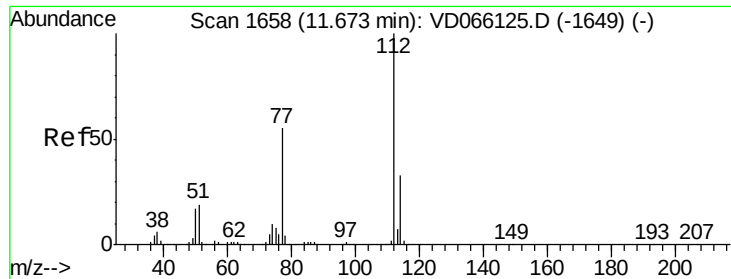
Tgt Ion:117 Resp: 41982
Ion Ratio Lower Upper
117 100
82 55.8 43.0 64.4
119 28.9 26.1 39.1



#64
Tetrachloroethene
Concen: 17.542 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion:164 Resp: 5655
Ion Ratio Lower Upper
164 100
166 146.6 101.9 152.9
129 101.2 68.1 102.1
131 88.1 67.6 101.4

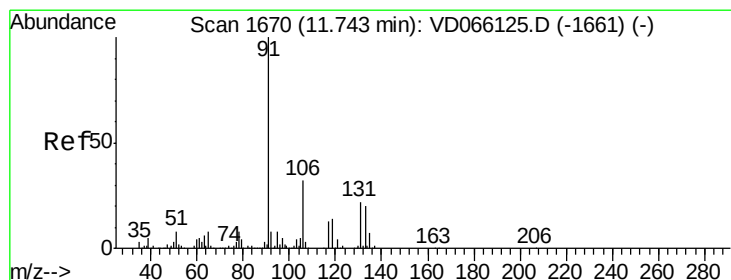
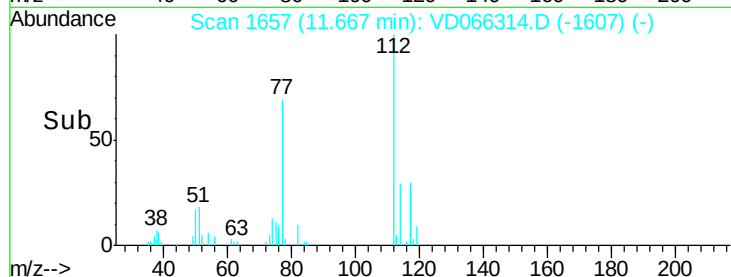
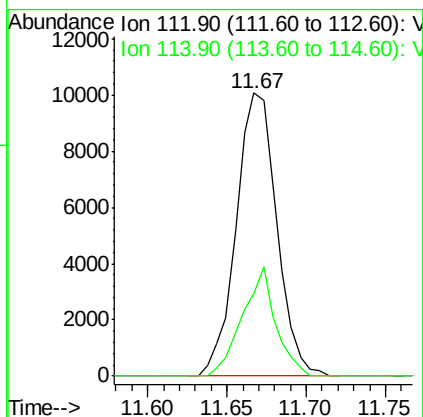
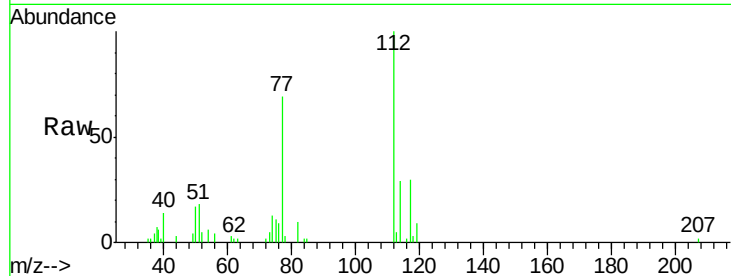




#65
Chlorobenzene
Concen: 21.011 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

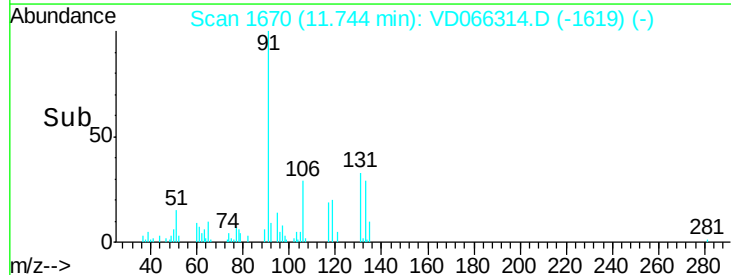
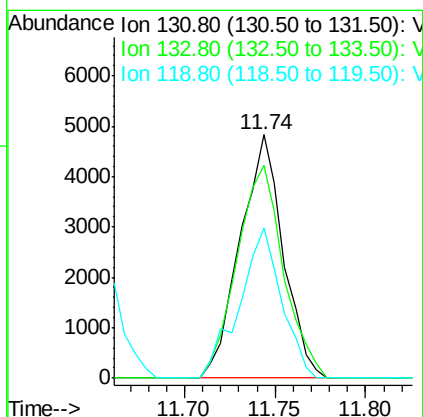
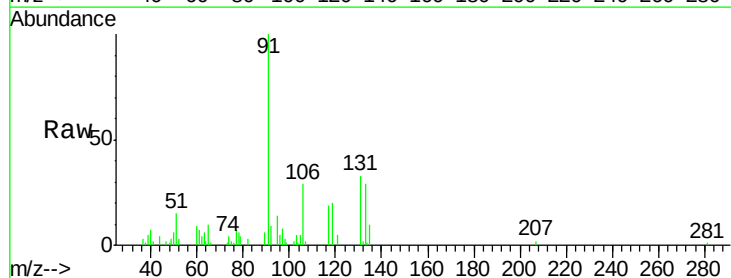
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

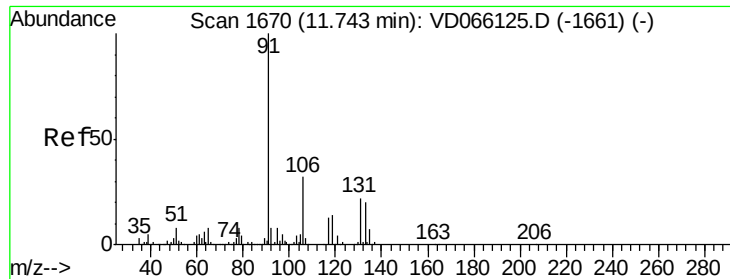
Tgt Ion:112 Resp: 17907
Ion Ratio Lower Upper
112 100
114 29.0 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 23.925 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion:131 Resp: 7978
Ion Ratio Lower Upper
131 100
133 94.4 47.1 141.4
119 60.2 31.6 94.7

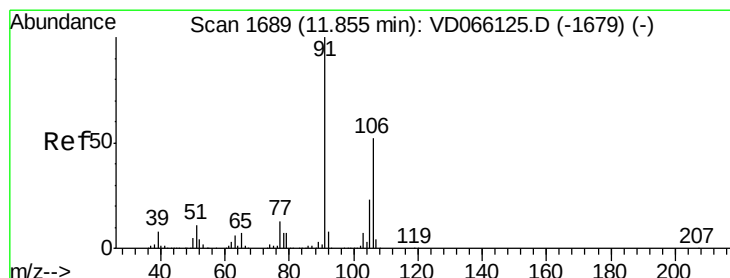
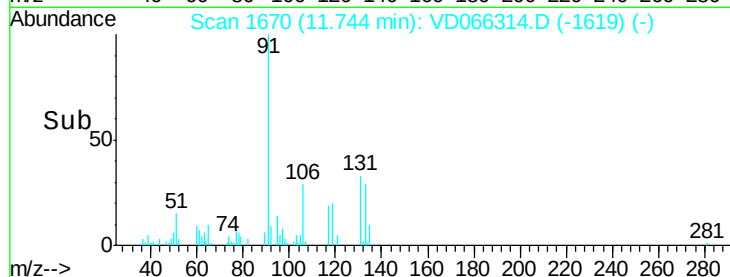
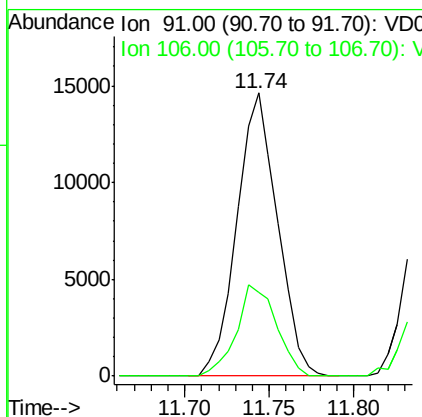
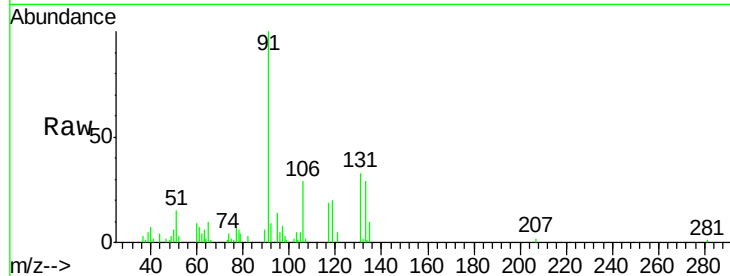




#67
Ethyl Benzene
Concen: 16.539 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

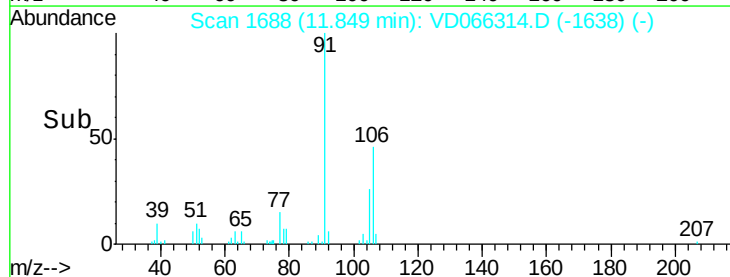
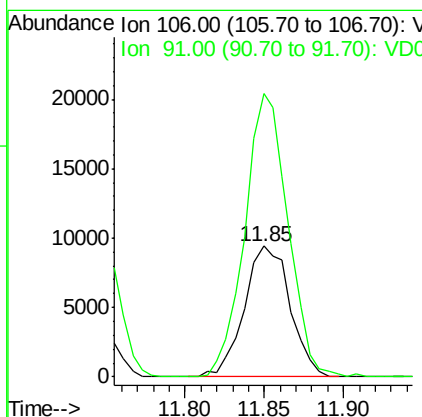
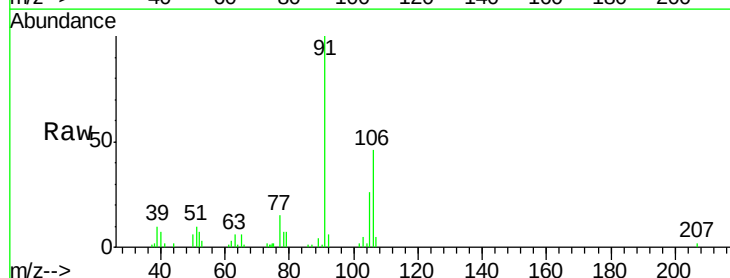
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

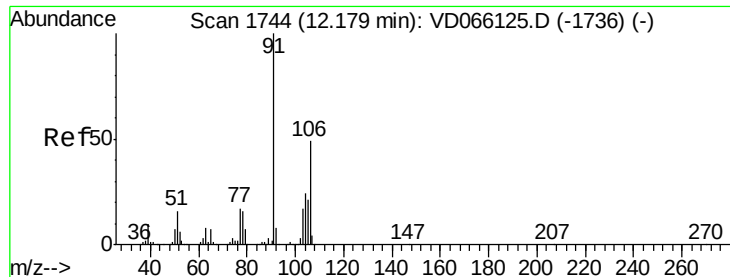
Tgt Ion: 91 Resp: 24426
Ion Ratio Lower Upper
91 100
106 29.5 25.7 38.5



#68
m/p-Xylenes
Concen: 32.961 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion: 106 Resp: 18860
Ion Ratio Lower Upper
106 100
91 204.4 156.6 235.0

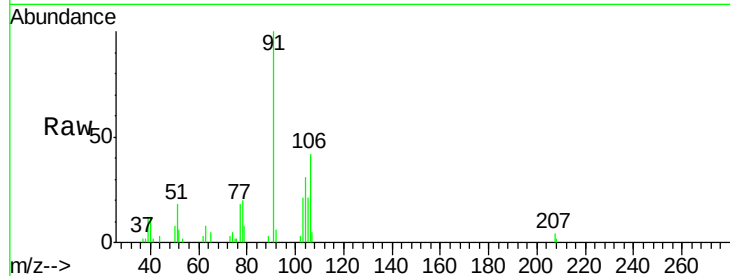




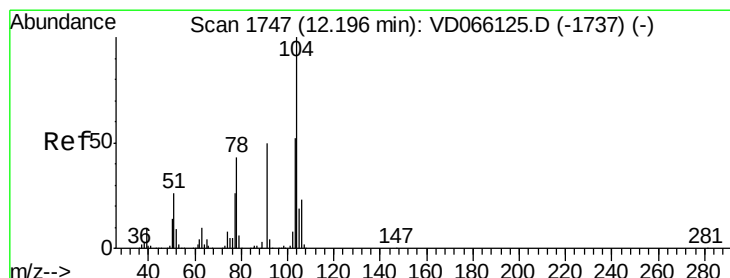
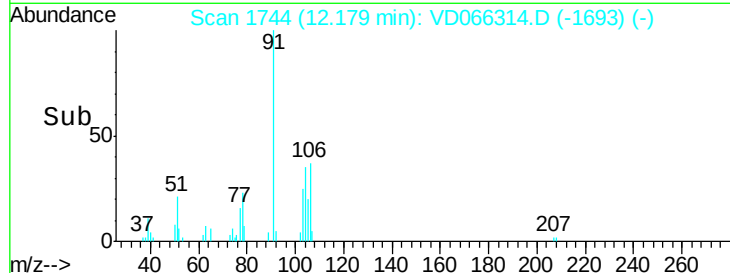
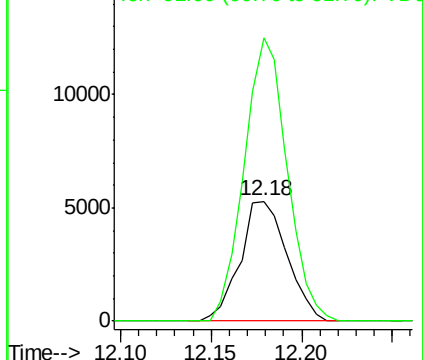
#69
o-Xylene
Concen: 18.303 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

Tgt Ion:106 Resp: 9527
Ion Ratio Lower Upper
106 100
91 216.1 105.7 317.1

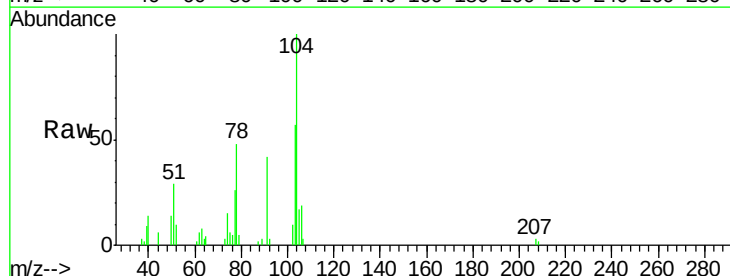


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

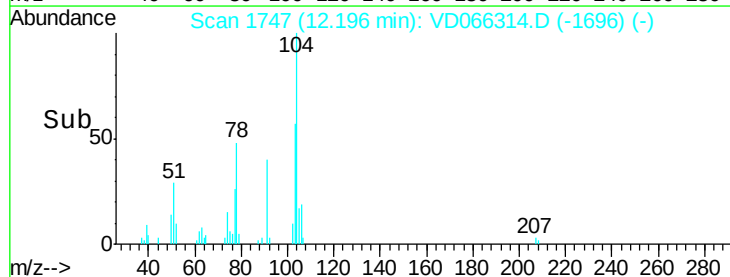
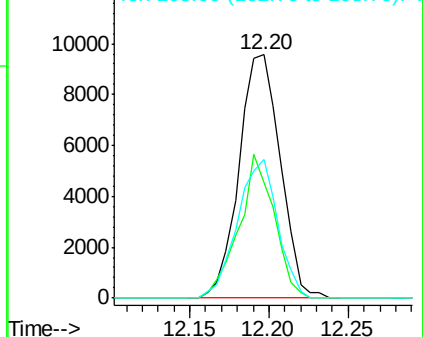


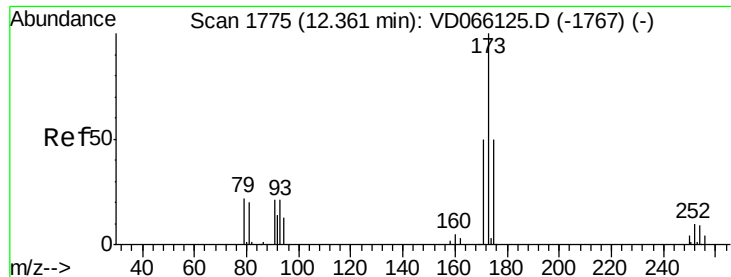
#70
Styrene
Concen: 18.989 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion:104 Resp: 17322
Ion Ratio Lower Upper
104 100
78 50.0 38.6 58.0
103 55.4 44.1 66.1



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: 42.046 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

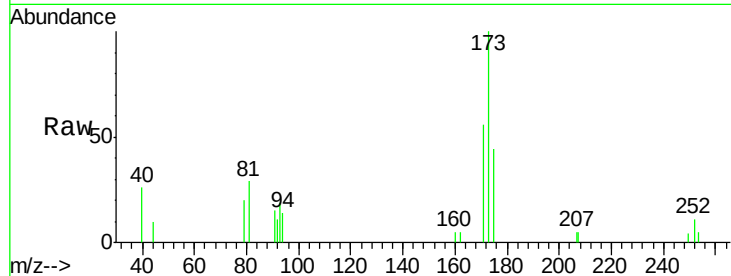
Tgt Ion:173 Resp: 8307

Ion Ratio Lower Upper

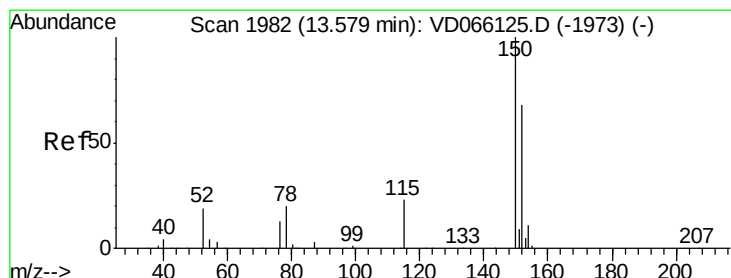
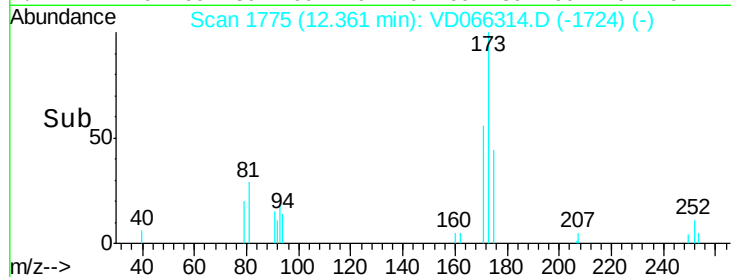
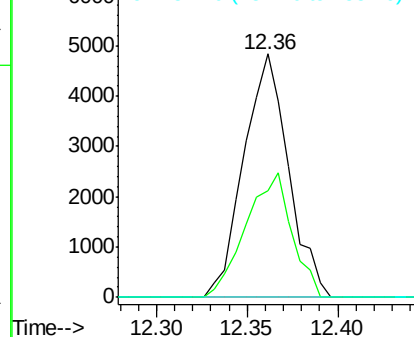
173 100

175 52.4 24.6 73.6

254 0.0 0.2 0.2#



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# 1982

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

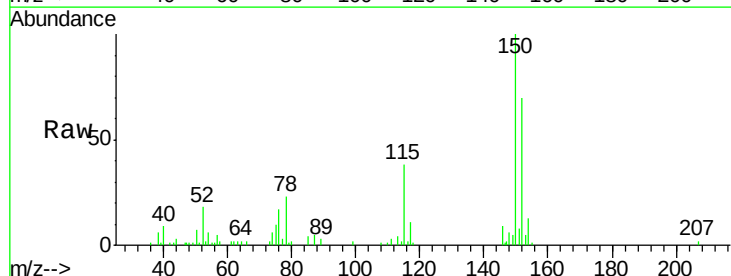
Tgt Ion:152 Resp: 24207

Ion Ratio Lower Upper

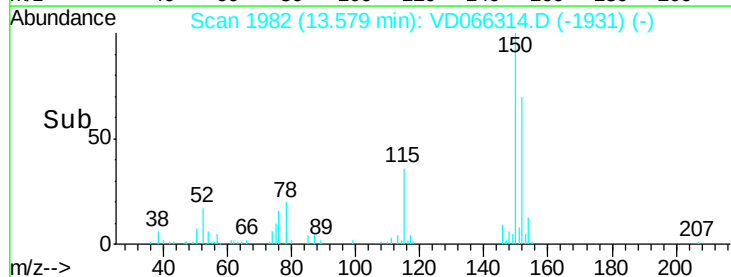
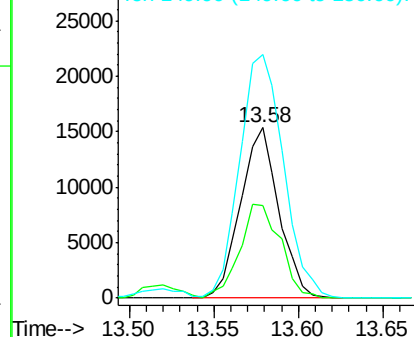
152 100

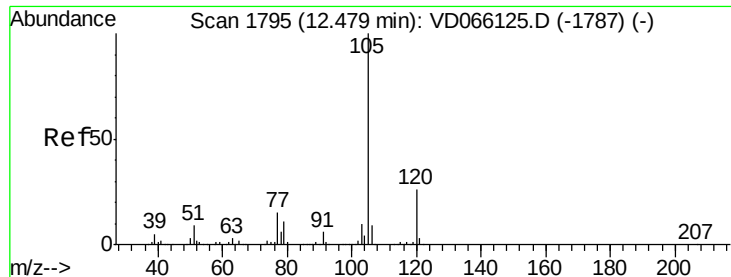
115 58.5 28.0 83.9

150 164.0 0.0 346.4



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: 15.430 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

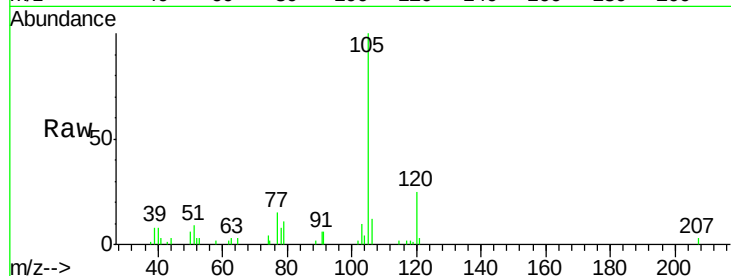
VD0819SBSD01

Tgt Ion:105 Resp: 24933

Ion Ratio Lower Upper

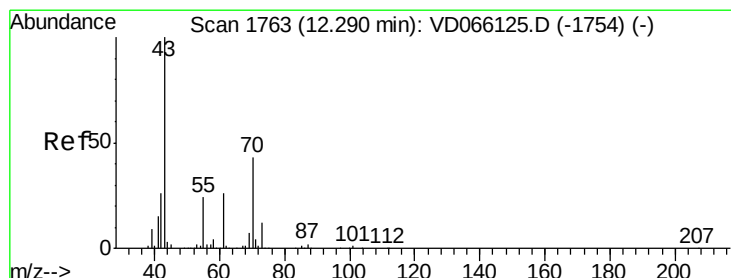
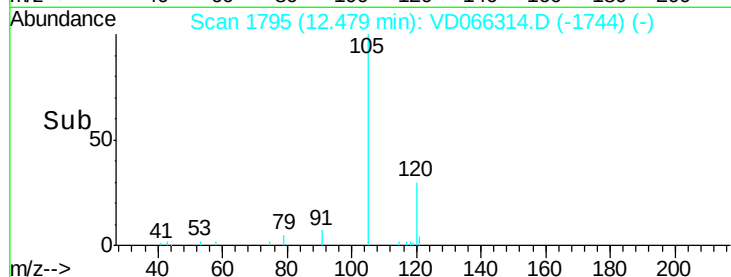
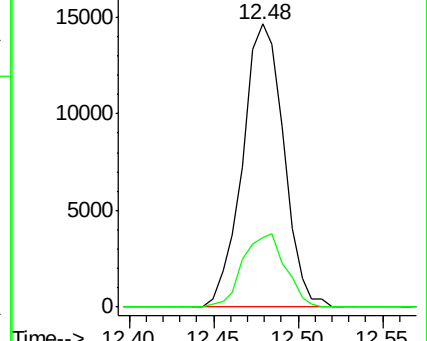
105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 37.316 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Tgt Ion: 43 Resp: 13278

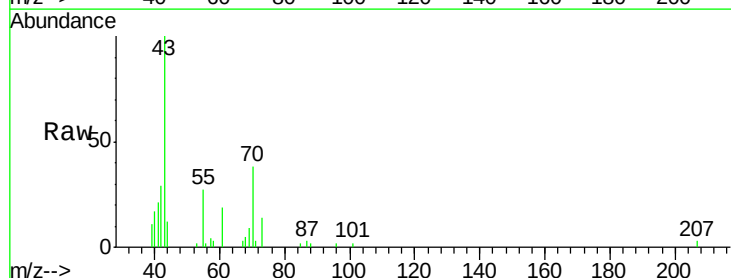
Ion Ratio Lower Upper

43 100

70 41.4 34.9 52.3

55 24.7 19.2 28.8

61 24.2 19.7 29.5

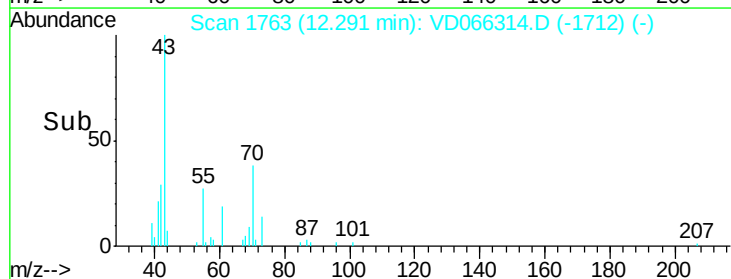
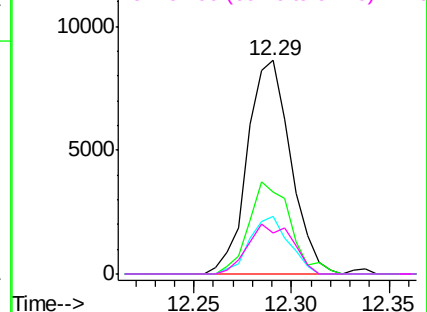


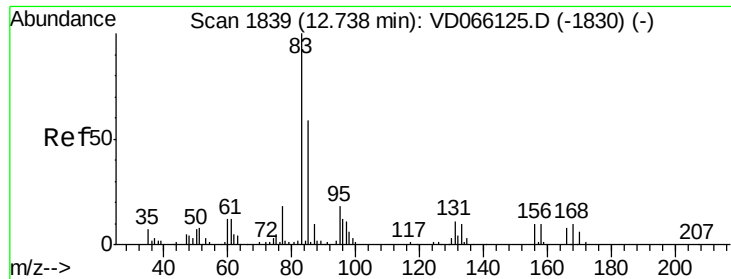
Abundance Ion 43.00 (42.70 to 43.70): V

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: 42.387 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

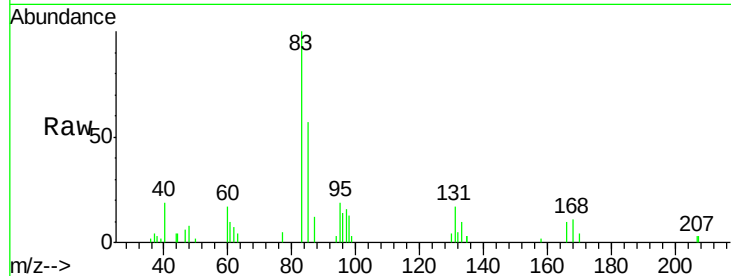
Tgt Ion: 83 Resp: 11679

Ion Ratio Lower Upper

83 100

131 14.8 6.2 18.6

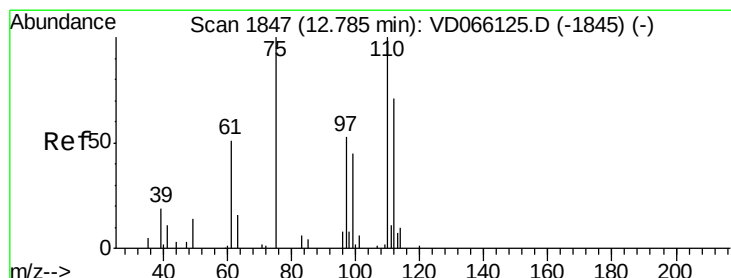
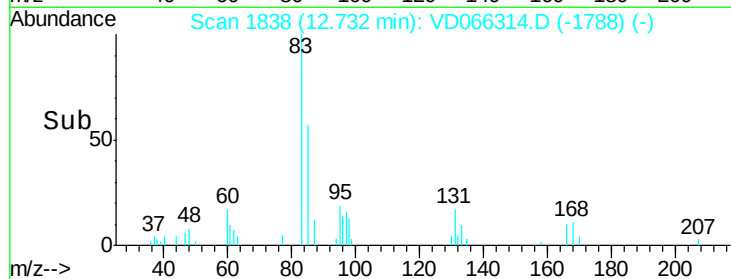
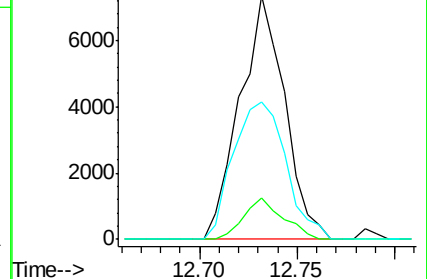
85 66.3 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 83.797 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066314.D

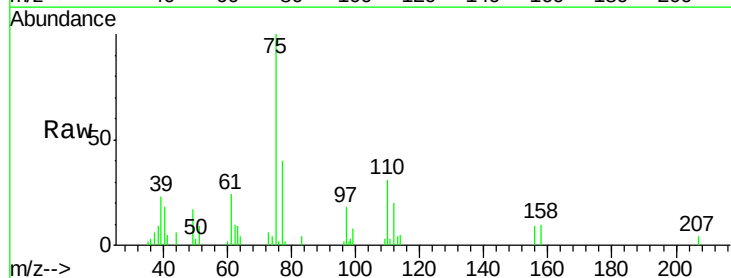
Acq: 19 Aug 2020 13:11

Tgt Ion: 75 Resp: 16916

Ion Ratio Lower Upper

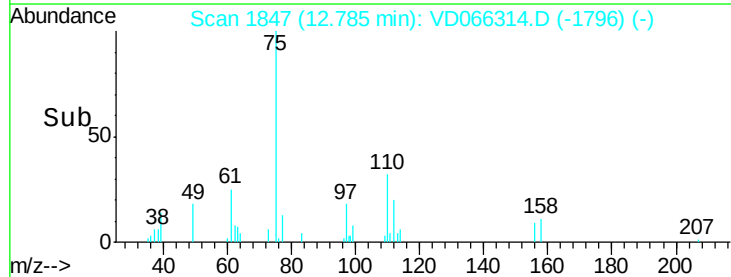
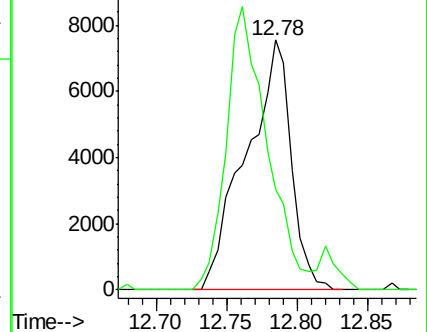
75 100

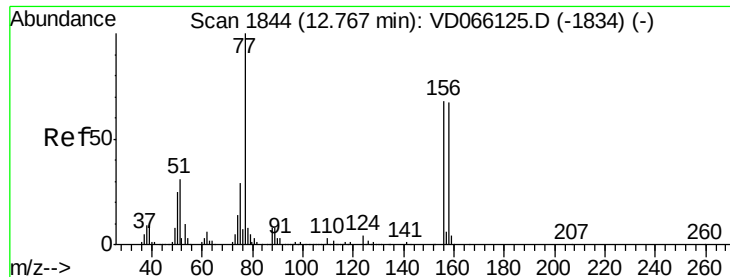
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.497 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

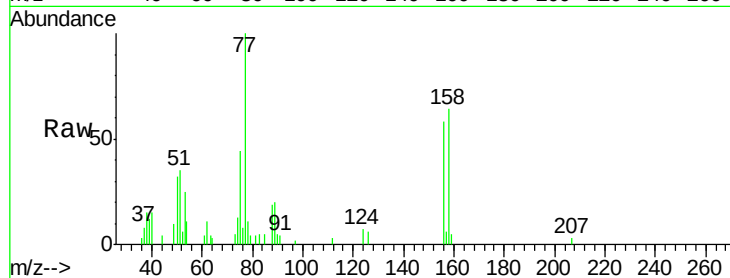
Tgt Ion:156 Resp: 8942

Ion Ratio Lower Upper

156 100

77 193.9 81.0 243.1

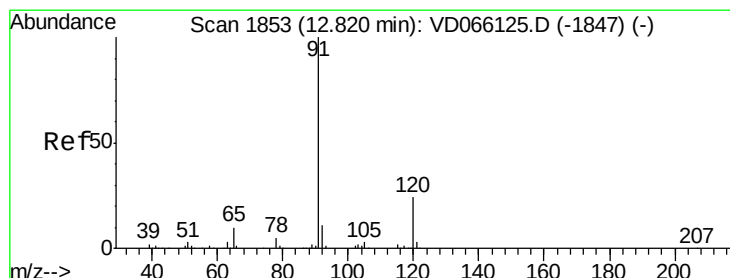
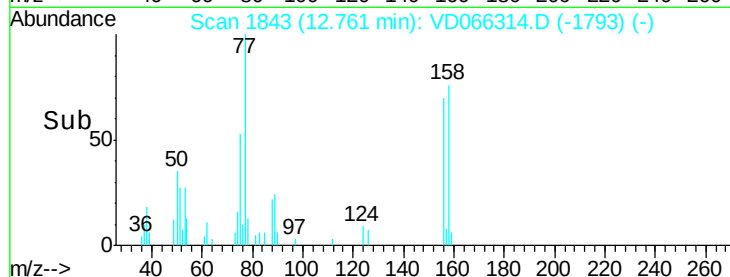
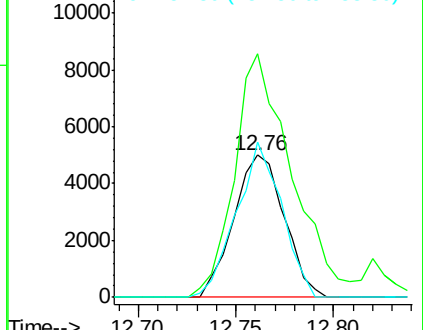
158 98.3 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 14.800 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066314.D

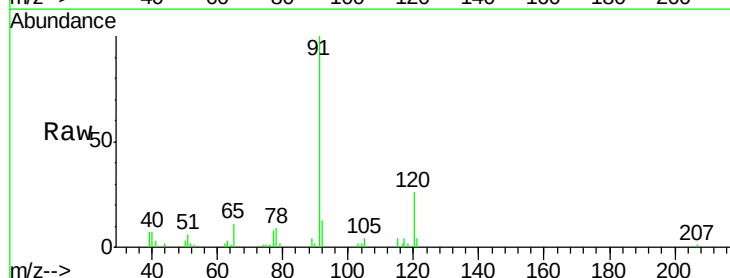
Acq: 19 Aug 2020 13:11

Tgt Ion: 91 Resp: 27799

Ion Ratio Lower Upper

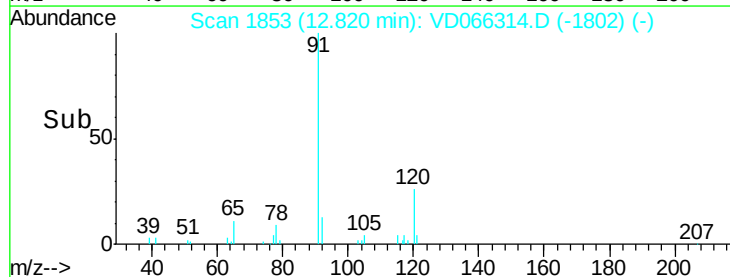
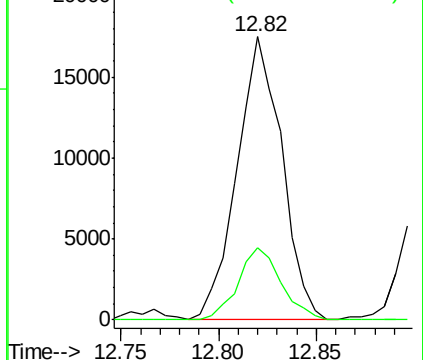
91 100

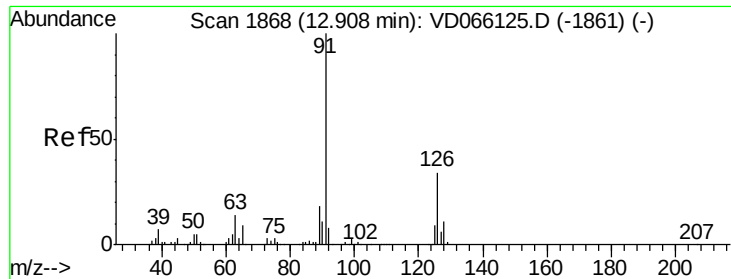
120 24.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

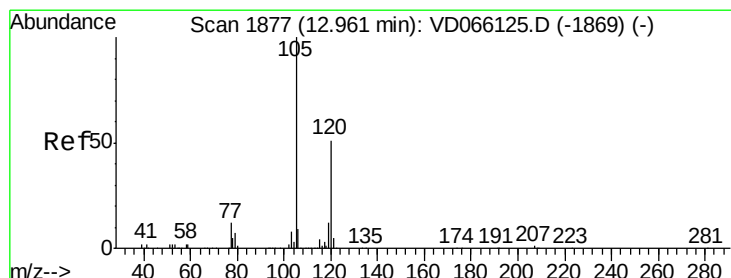
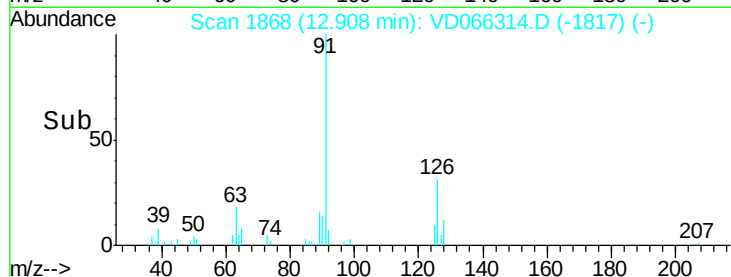
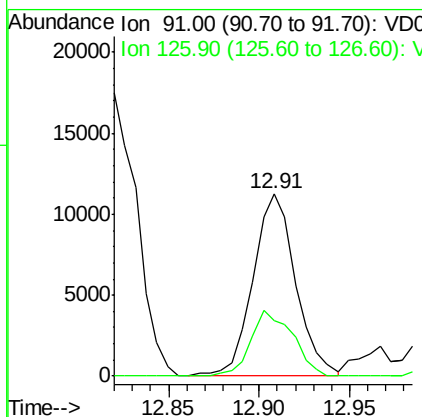
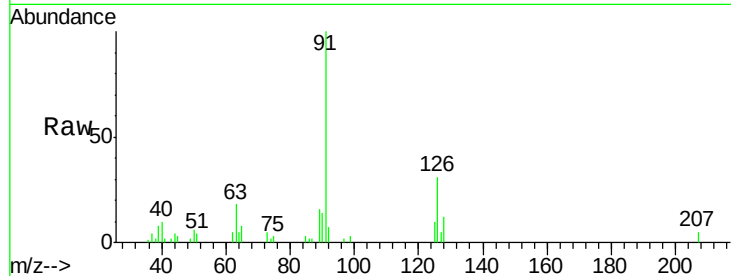




#79
 2-Chlorotoluene
 Concen: 17.163 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

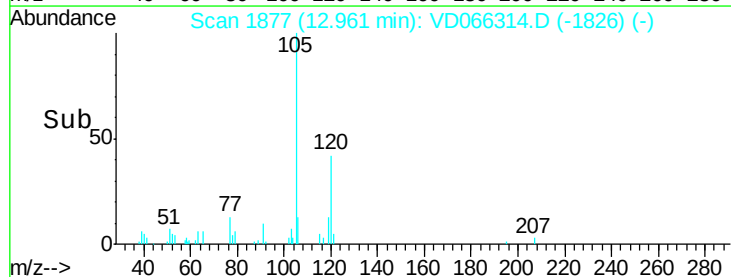
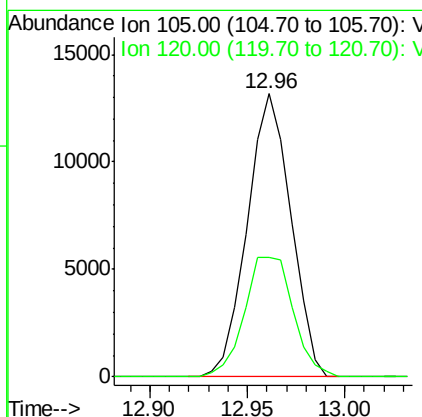
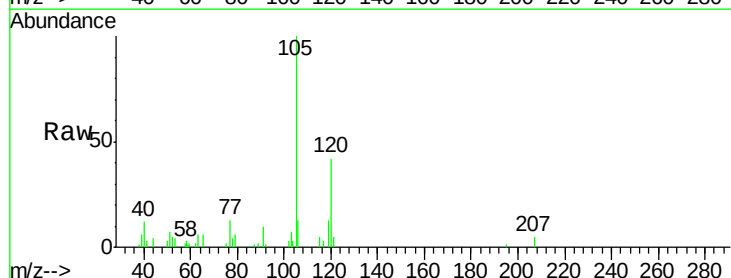
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

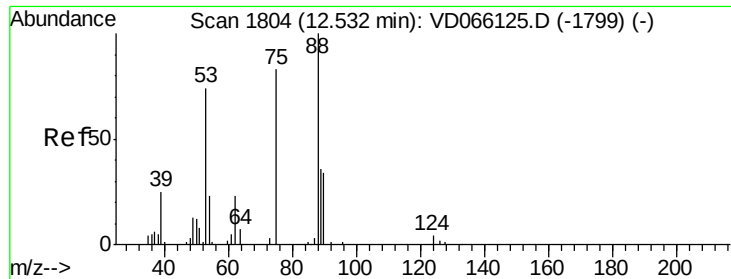
Tgt Ion: 91 Resp: 18438
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 15.080 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion: 105 Resp: 20378
 Ion Ratio Lower Upper
 105 100
 120 47.5 25.3 75.8

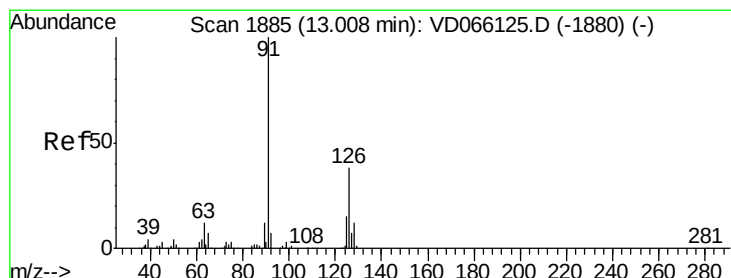
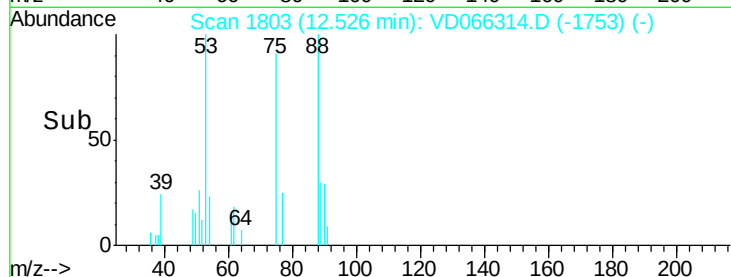
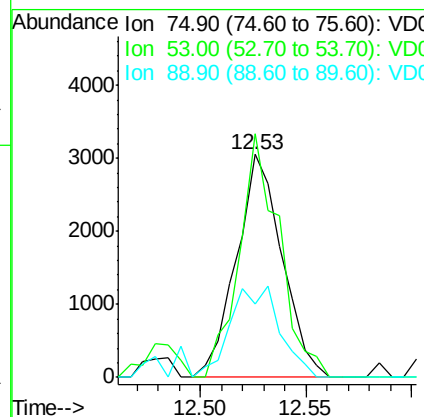
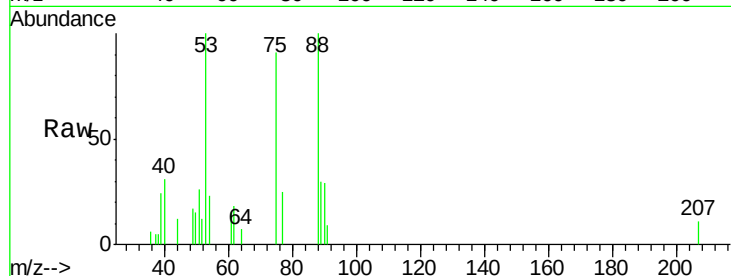




#81
trans-1,4-Dichloro-2-butene
Concen: 50.350 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

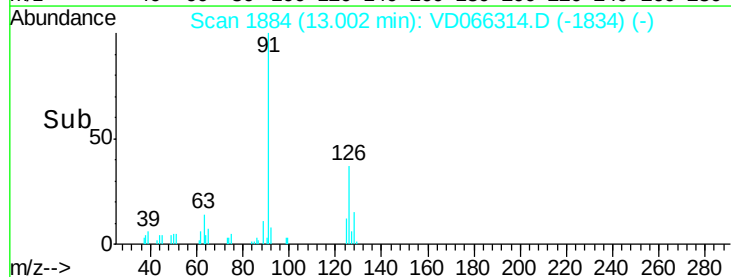
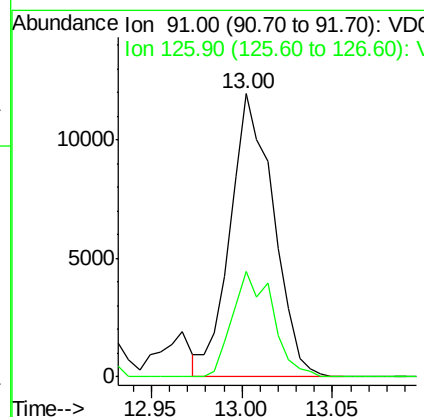
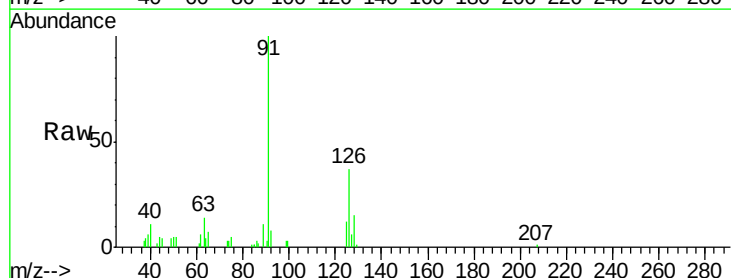
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

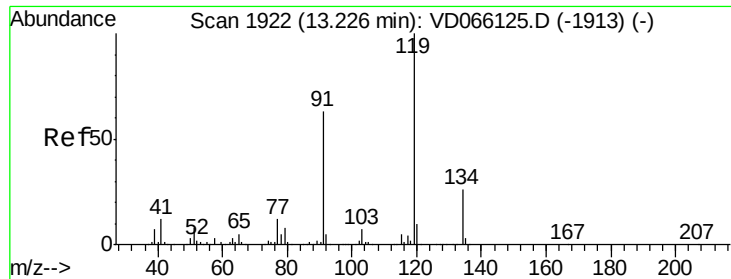
Tgt Ion: 75 Resp: 4598
Ion Ratio Lower Upper
75 100
53 95.7 73.4 110.2
89 43.9 36.6 55.0



#82
4-Chlorotoluene
Concen: 17.474 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion: 91 Resp: 19817
Ion Ratio Lower Upper
91 100
126 35.0 17.8 53.3

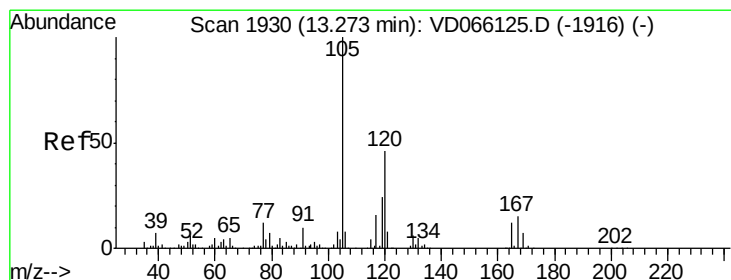
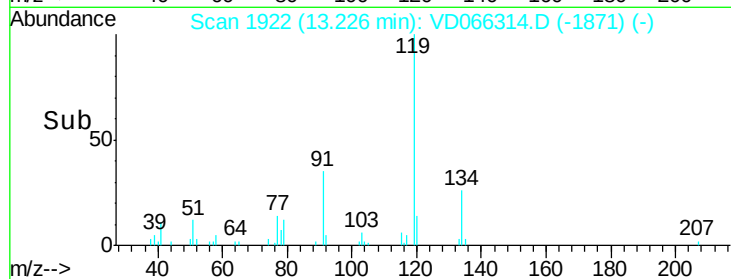
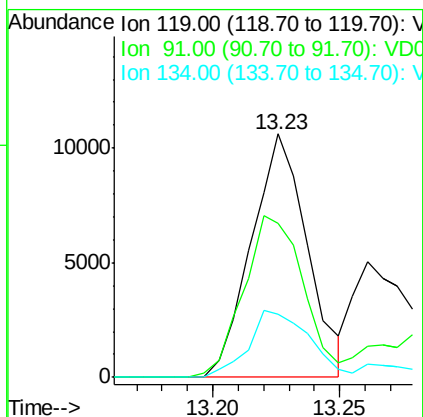
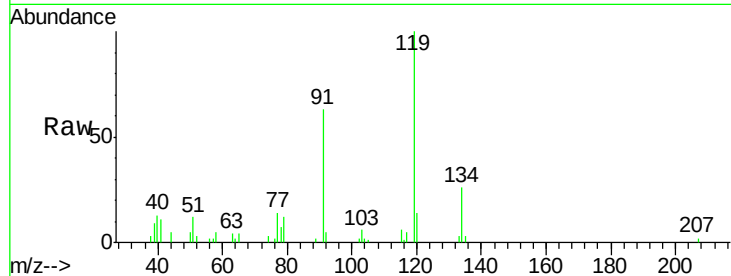




#83
 tert-Butylbenzene
 Concen: 13.757 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

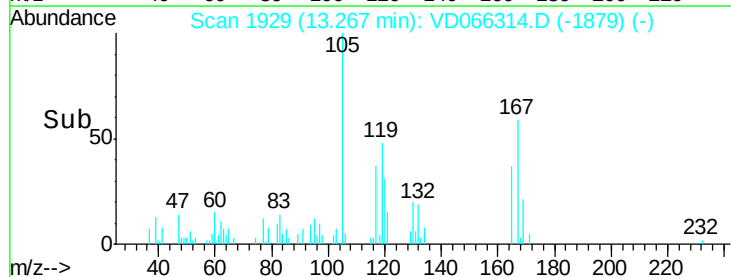
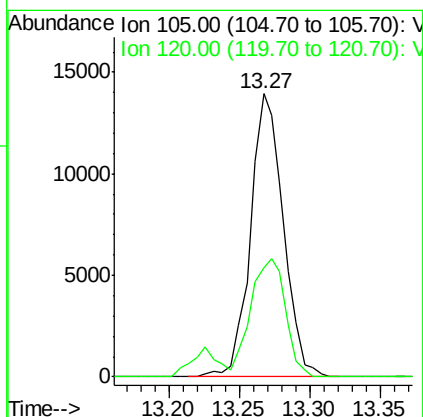
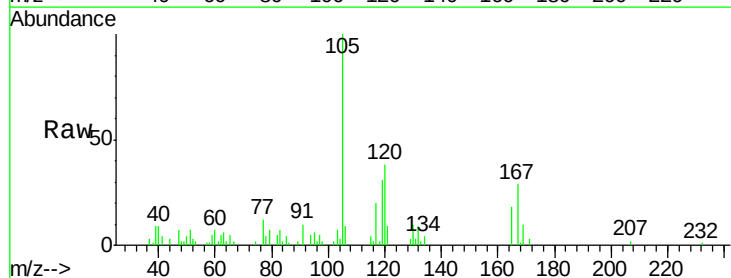
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

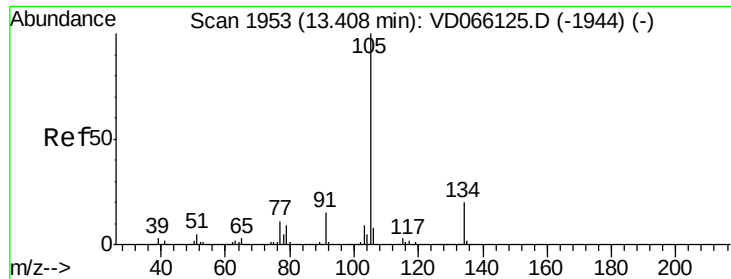
Tgt Ion:119 Resp: 16350
 Ion Ratio Lower Upper
 119 100
 91 70.9 30.8 92.4
 134 29.8 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 16.844 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion:105 Resp: 22780
 Ion Ratio Lower Upper
 105 100
 120 44.1 23.1 69.2





#85

sec-Butylbenzene

Concen: 14.983 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

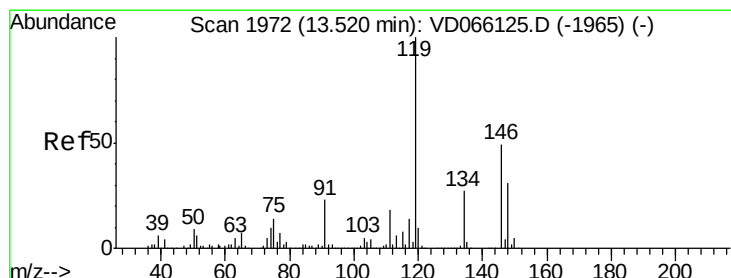
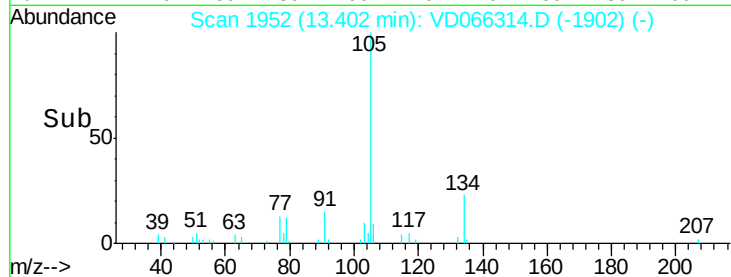
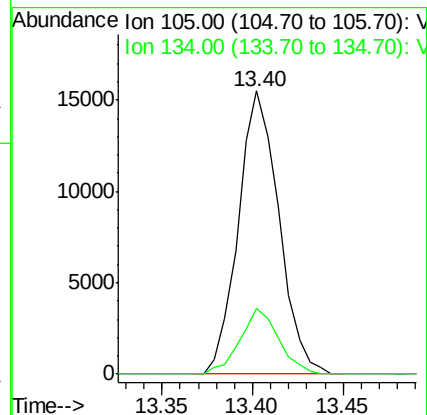
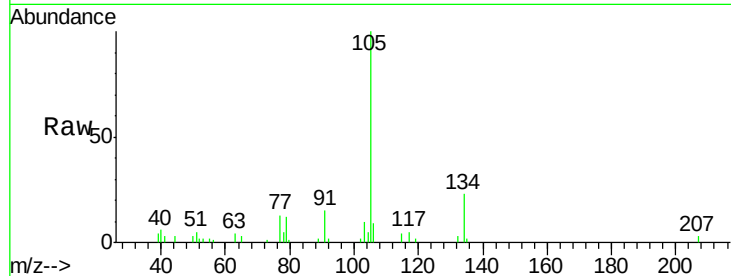
VD0819SBS01

Tgt Ion:105 Resp: 24041

Ion Ratio Lower Upper

105 100

134 22.3 10.4 31.4



#86

p-Isopropyltoluene

Concen: 14.883 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066314.D

Acq: 19 Aug 2020 13:11

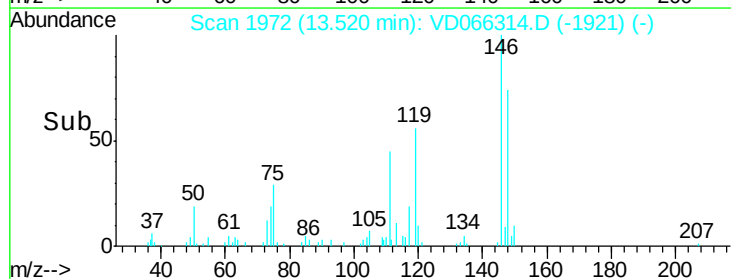
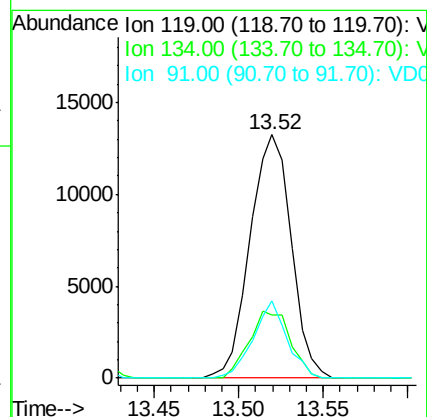
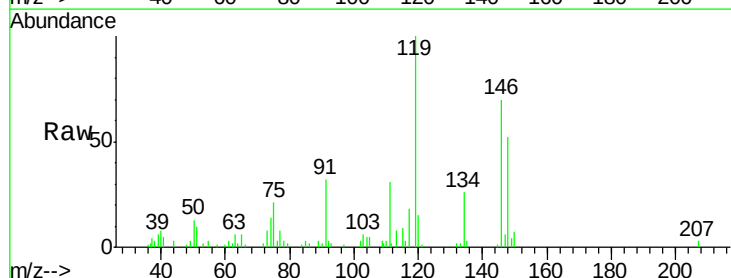
Tgt Ion:119 Resp: 22398

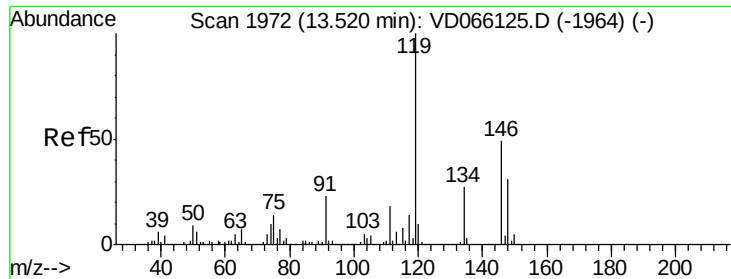
Ion Ratio Lower Upper

119 100

134 27.6 13.5 40.4

91 26.4 11.2 33.5

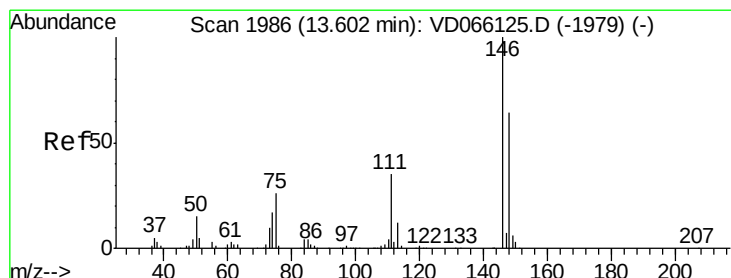
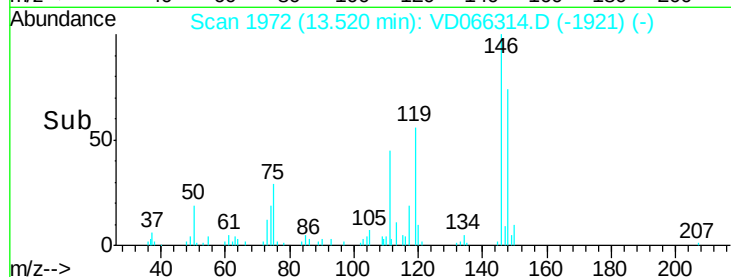
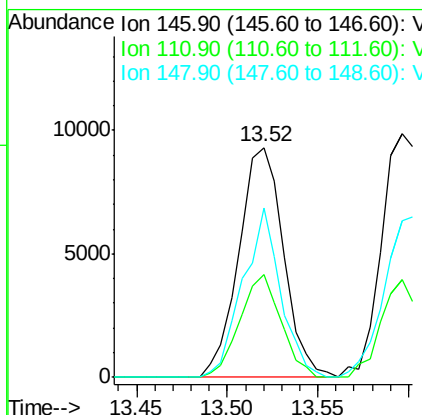
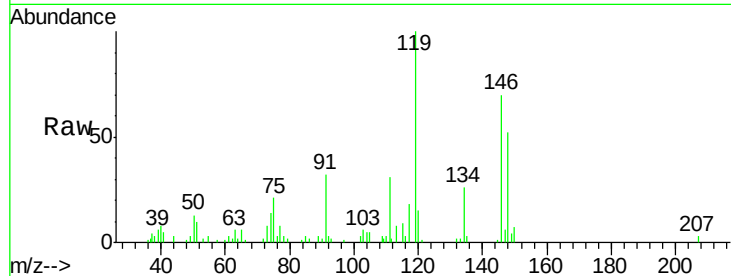




#87
 1,3-Dichlorobenzene
 Concen: 20.457 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

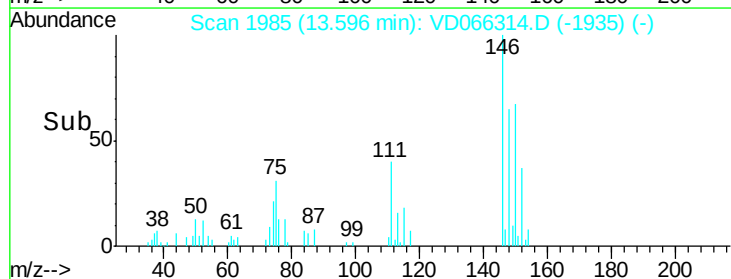
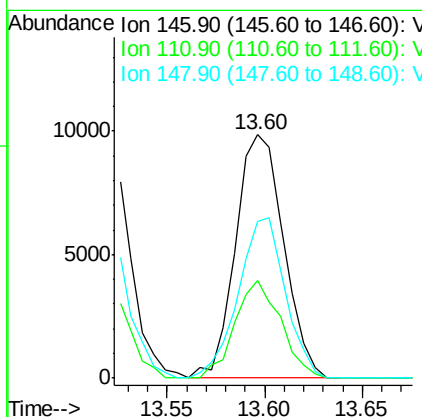
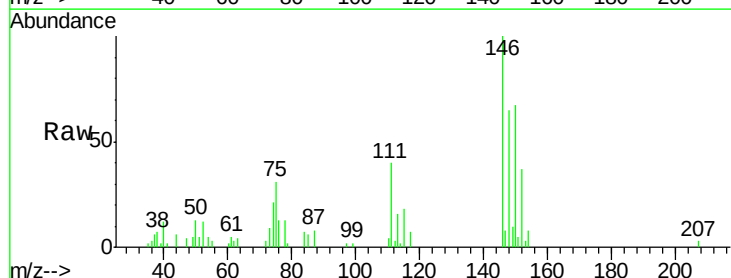
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

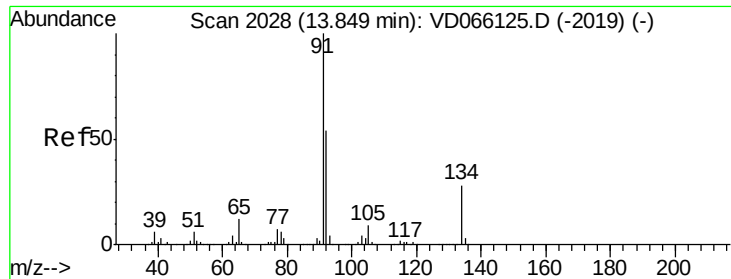
Tgt Ion:146 Resp: 15993
 Ion Ratio Lower Upper
 146 100
 111 41.3 18.9 56.9
 148 62.2 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 21.581 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion:146 Resp: 16826
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.6 55.8
 148 64.7 32.4 97.0

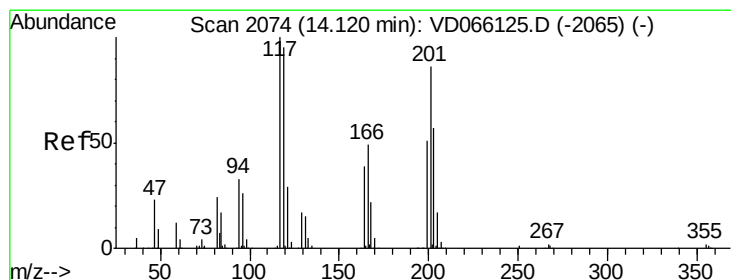
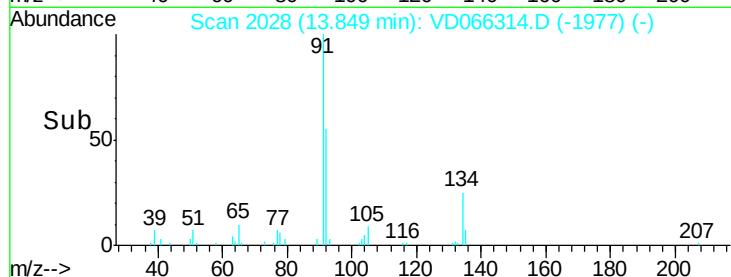
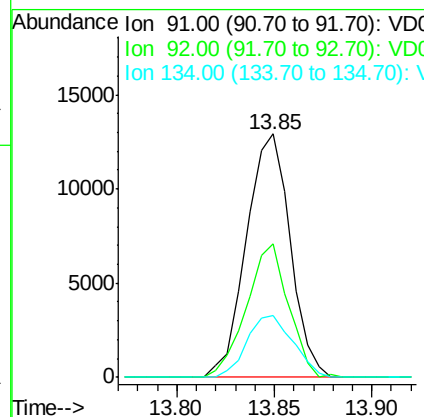
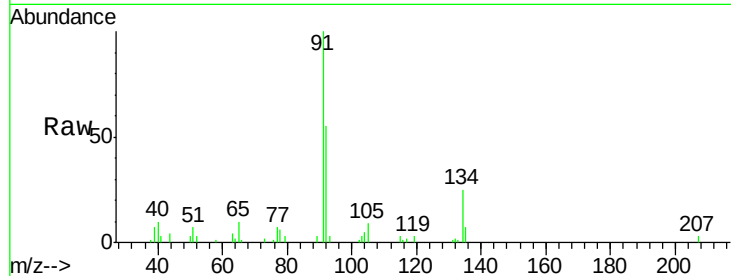




#89
n-Butylbenzene
Concen: 14.914 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

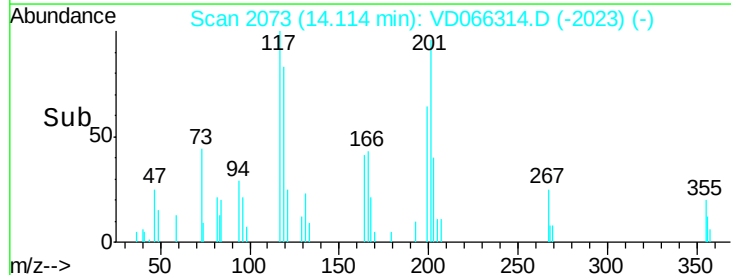
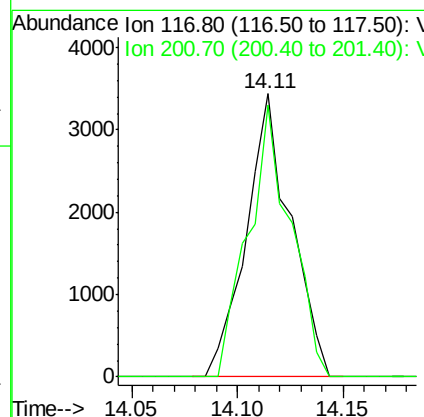
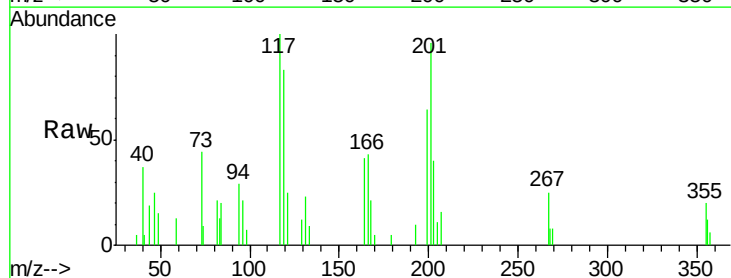
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

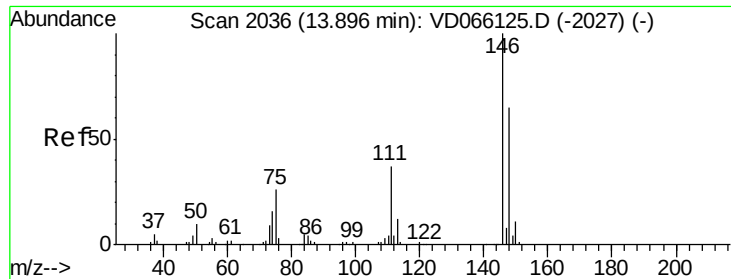
Tgt Ion: 91 Resp: 20109
Ion Ratio Lower Upper
91 100
92 52.6 26.8 80.3
134 26.5 14.0 41.9



#90
Hexachloroethane
Concen: 16.752 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion: 117 Resp: 5028
Ion Ratio Lower Upper
117 100
201 92.0 42.7 128.1

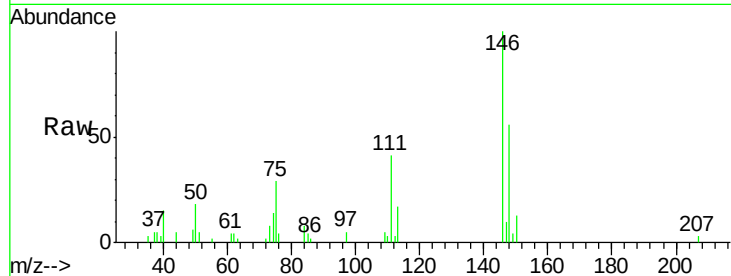




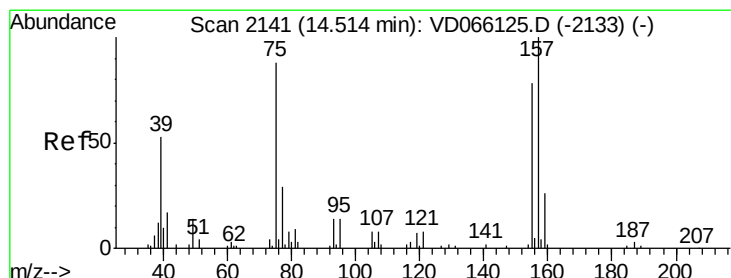
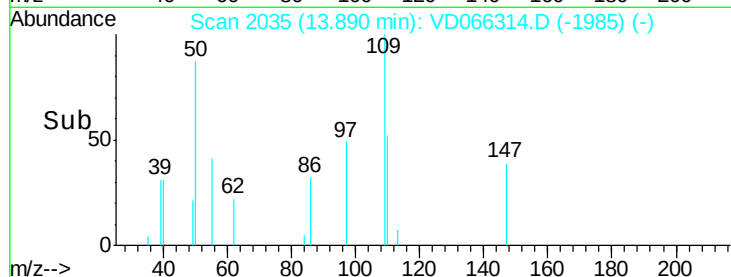
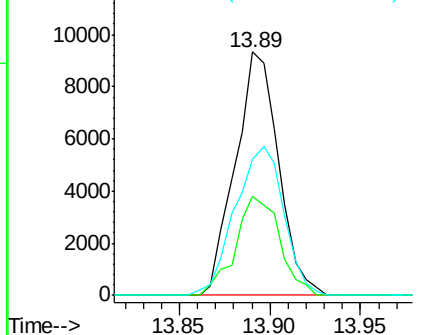
#91
 1,2-Dichlorobenzene
 Concen: 22.427 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

Tgt Ion:146 Resp: 15506
 Ion Ratio Lower Upper
 146 100
 111 41.6 18.8 56.3
 148 68.5 31.9 95.5

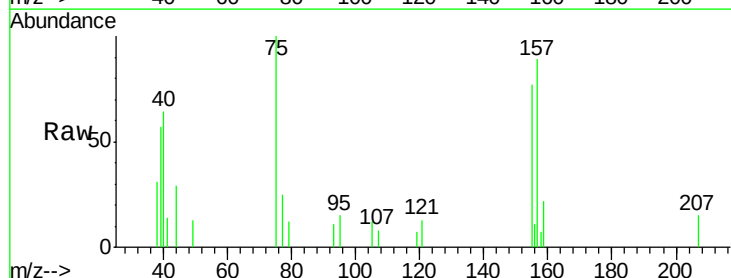


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

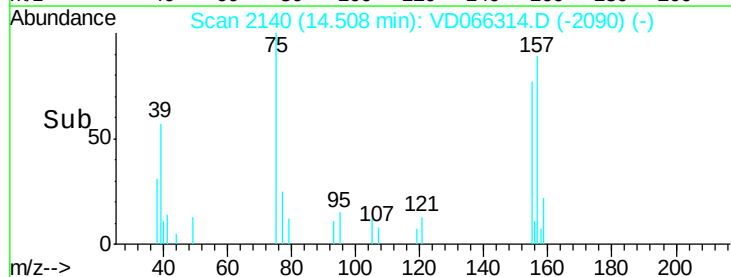
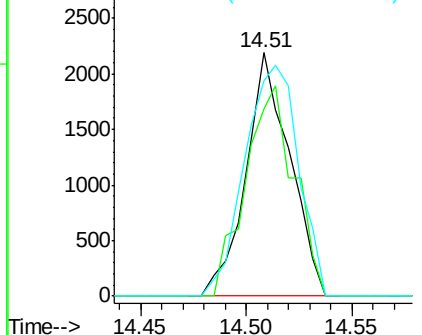


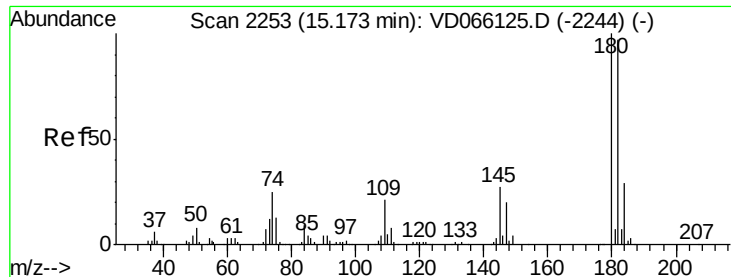
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.792 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion: 75 Resp: 3163
 Ion Ratio Lower Upper
 75 100
 155 95.8 47.7 143.1
 157 116.5 62.1 186.2



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

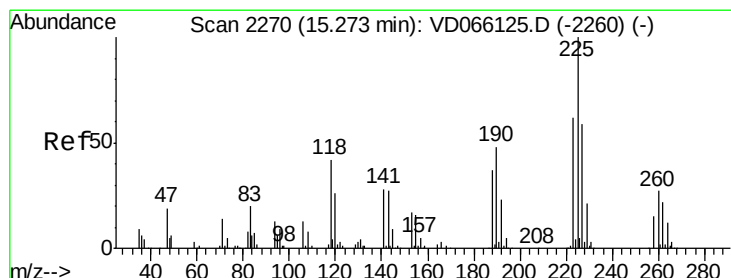
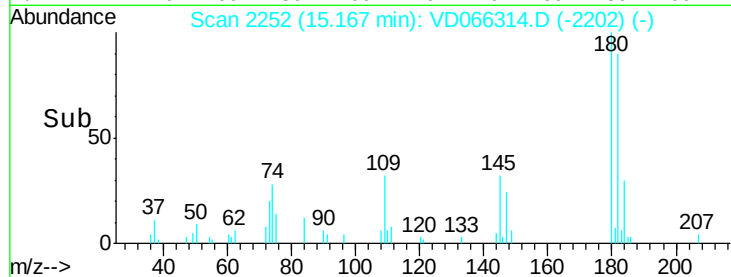
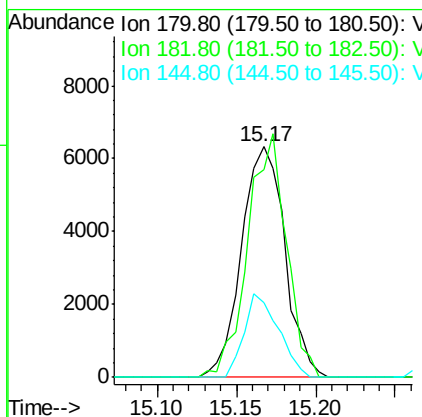
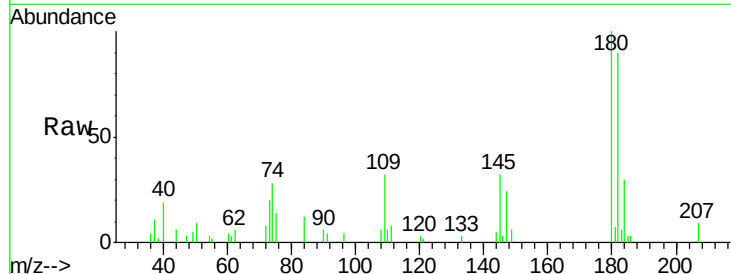




#93
 1,2,4-Trichlorobenzene
 Concen: 23.691 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

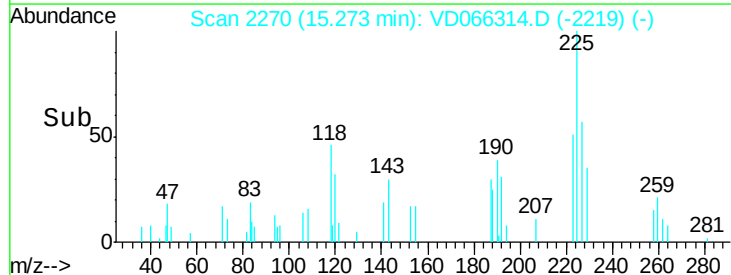
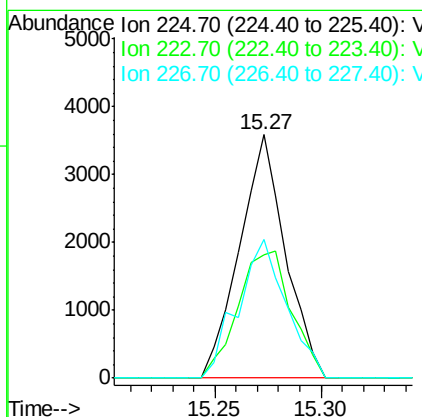
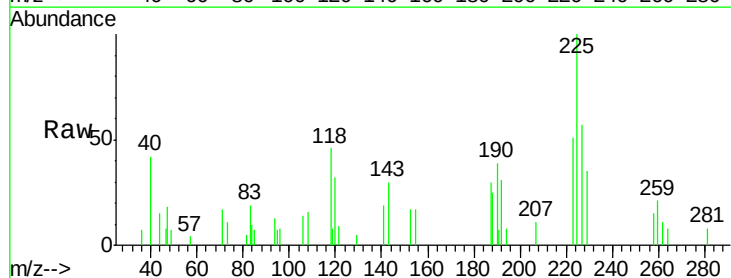
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

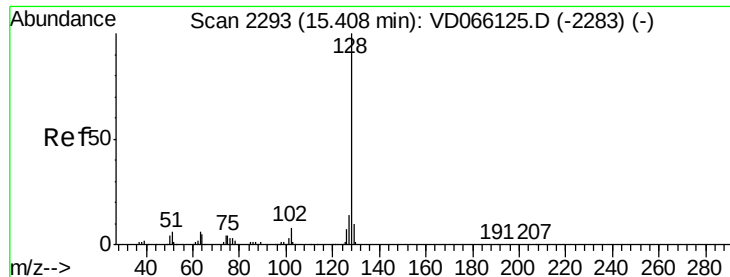
Tgt Ion:180 Resp: 12071
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.4 142.2
 145 28.5 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 18.012 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066314.D
 Acq: 19 Aug 2020 13:11

Tgt Ion:225 Resp: 5404
 Ion Ratio Lower Upper
 225 100
 223 61.0 32.3 96.9
 227 60.3 32.1 96.5

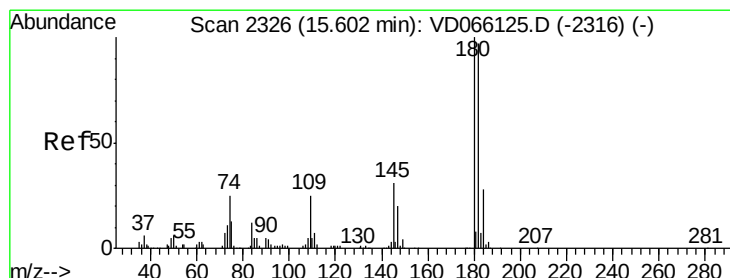
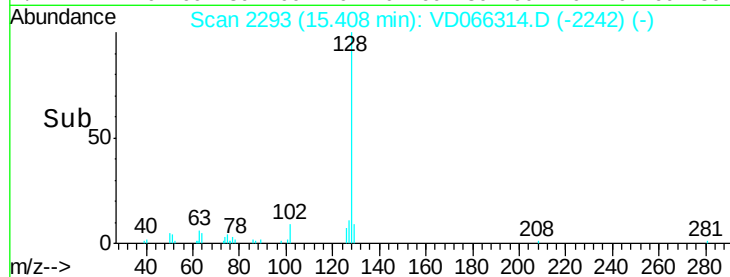
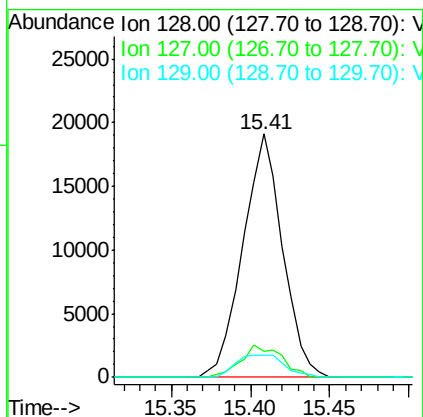
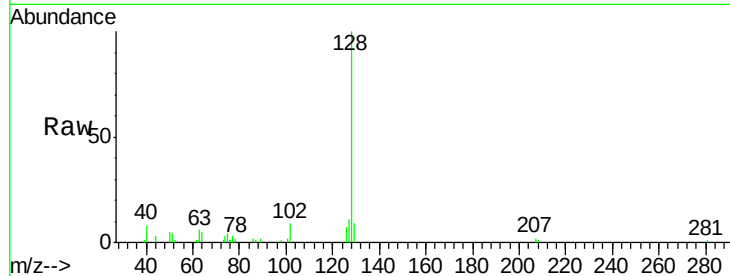




#95
Naphthalene
Concen: 39.893 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

Tgt Ion:128 Resp: 33119
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.4
129 11.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 26.724 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066314.D
Acq: 19 Aug 2020 13:11

Tgt Ion:180 Resp: 12020
Ion Ratio Lower Upper
180 100
182 97.0 47.1 141.4
145 33.5 14.9 44.9

