

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065195.D
 Acq On : 17 Feb 2020 14:33
 Operator : VA/SY
 Sample : VD0217SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Quant Time: Feb 18 03:14:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	434607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	660471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	601832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304370	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	207932	56.29	ug/l	0.00
Spiked Amount			Recovery	=	112.58%	
35) Dibromofluoromethane	7.92	113	212631	57.70	ug/l	0.00
Spiked Amount			Recovery	=	115.40%	
50) Toluene-d8	10.34	98	829986	56.59	ug/l	0.00
Spiked Amount			Recovery	=	113.18%	
62) 4-Bromofluorobenzene	12.64	95	269214	57.93	ug/l	0.00
Spiked Amount			Recovery	=	115.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	72109	19.938	ug/l	100
3) Chloromethane	2.21	50	96711	22.716	ug/l	96
4) Vinyl Chloride	2.35	62	95633	21.240	ug/l	94
5) Bromomethane	2.77	94	57704	19.766	ug/l	97
6) Chloroethane	2.92	64	60038	21.496	ug/l	100
7) Trichlorofluoromethane	3.27	101	137459	20.978	ug/l	100
8) Diethyl Ether	3.71	74	44113	23.451	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88250	22.031	ug/l	99
10) Methyl Iodide	4.30	142	85703	18.745	ug/l	98
11) Tert butyl alcohol	5.25	59	25403	112.559	ug/l	98
12) 1,1-Dichloroethene	4.06	96	81322	21.198	ug/l	96
13) Acrolein	3.93	56	22149	79.791	ug/l	97
14) Allyl chloride	4.71	41	138698	21.753	ug/l	97
15) Acrylonitrile	5.44	53	96745	117.640	ug/l	100
16) Acetone	4.17	43	88142	95.442	ug/l	90
17) Carbon Disulfide	4.40	76	262465	21.308	ug/l	99
18) Methyl Acetate	4.72	43	52655	27.290	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	180139	21.234	ug/l	100
20) Methylene Chloride	4.97	84	107498	24.420	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	97264	22.409	ug/l	98
22) Diisopropyl ether	6.37	45	284866	23.686	ug/l	97
23) Vinyl Acetate	6.31	43	738464	110.163	ug/l	100
24) 1,1-Dichloroethane	6.27	63	166209	22.833	ug/l	98
25) 2-Butanone	7.23	43	122473	111.176	ug/l	99
26) 2,2-Dichloropropane	7.21	77	144632	22.167	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	103618	22.471	ug/l	98
28) Bromochloromethane	7.55	49	59386	21.521	ug/l	100
29) Tetrahydrofuran	7.57	42	74228	111.423	ug/l	97
30) Chloroform	7.71	83	176162	24.304	ug/l	97
31) Cyclohexane	7.98	56	151079	20.560	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	151578	22.450	ug/l	98
36) 1,1-Dichloropropene	8.11	75	132882	21.637	ug/l	98
37) Ethyl Acetate	7.30	43	52599	20.964	ug/l	95
38) Carbon Tetrachloride	8.10	117	132461	21.118	ug/l	97

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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 MSVOA_D
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Quant Time: Feb 18 03:14:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	148575	19.600	ug/l	98
40) Benzene	8.36	78	378865	22.340	ug/l	98
41) Methacrylonitrile	7.54	41	35155	25.433	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	109276	22.614	ug/l	98
43) Isopropyl Acetate	8.46	43	104592	21.792	ug/l	98
44) Trichloroethene	9.11	130	105694	21.712	ug/l	97
45) 1,2-Dichloropropane	9.39	63	93963	23.108	ug/l	96
46) Dibromomethane	9.48	93	49701	23.261	ug/l	97
47) Bromodichloromethane	9.67	83	132410	23.519	ug/l	99
48) Methyl methacrylate	9.46	41	48253	20.893	ug/l	97
49) 1,4-Dioxane	9.48	88	12167	480.769	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	265807	112.516	ug/l	98
52) Toluene	10.41	92	245064	22.641	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	122646	22.375	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	144446	22.033	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	69878	23.843	ug/l	97
56) Ethyl methacrylate	10.67	69	82599	22.275	ug/l	95
57) 1,3-Dichloropropane	10.95	76	120571	23.396	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	125133	92.464	ug/l	98
59) 2-Hexanone	10.99	43	185276	110.723	ug/l	99
60) Dibromochloromethane	11.14	129	90672	23.886	ug/l	98
61) 1,2-Dibromoethane	11.25	107	66402	23.188	ug/l	99
64) Tetrachloroethene	10.88	164	92186	21.317	ug/l	97
65) Chlorobenzene	11.68	112	264590	22.730	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	96427	22.445	ug/l	98
67) Ethyl Benzene	11.75	91	446128	21.095	ug/l	98
68) m/p-Xylenes	11.86	106	349801	43.337	ug/l	99
69) o-Xylene	12.18	106	150409	20.693	ug/l	96
70) Styrene	12.20	104	277898	21.997	ug/l	99
71) Bromoform	12.37	173	52263	22.601	ug/l #	98
73) Isopropylbenzene	12.48	105	421562	20.179	ug/l	100
74) N-amyl acetate	12.30	43	93062	20.495	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	77143	23.463	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	100144	43.458	ug/l #	100
77) Bromobenzene	12.77	156	106336	21.127	ug/l	99
78) n-propylbenzene	12.83	91	512564	20.951	ug/l	99
79) 2-Chlorotoluene	12.91	91	286065	20.977	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	351158	20.547	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	25427	22.067	ug/l	93
82) 4-Chlorotoluene	13.01	91	306401	21.393	ug/l	100
83) tert-Butylbenzene	13.23	119	288002	19.532	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	361326	21.295	ug/l	98
85) sec-Butylbenzene	13.41	105	414053	20.560	ug/l	99
86) p-Isopropyltoluene	13.53	119	386374	20.649	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	203527	21.597	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	200646	21.392	ug/l	99
89) n-Butylbenzene	13.86	91	352930	20.436	ug/l	99
90) Hexachloroethane	14.12	117	76922	21.710	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	173407	21.483	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11937	22.240	ug/l	95

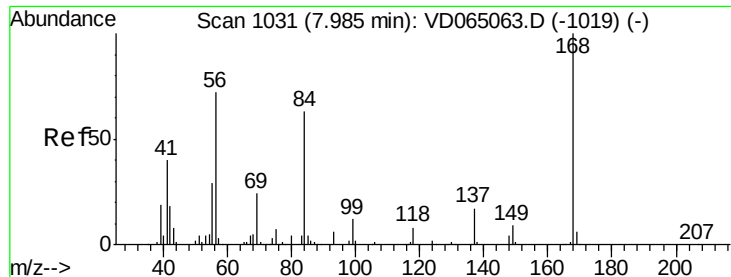
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021720\
Data File : VD065195.D
Acq On : 17 Feb 2020 14:33
Operator : VA/SY
Sample : VD0217SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

Quant Time: Feb 18 03:14:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	116682	20.225	ug/l	99
94) Hexachlorobutadiene	15.28	225	73019	20.584	ug/l	100
95) Naphthalene	15.41	128	189482	19.760	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	104211	21.118	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

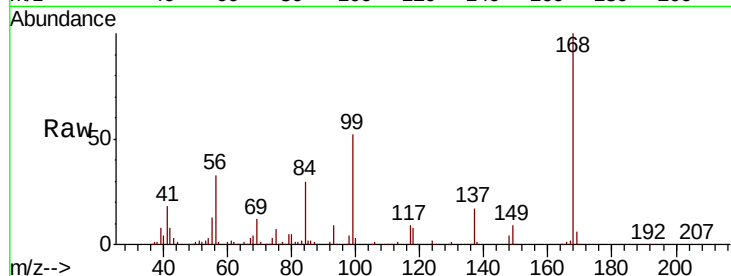
VD0217SBSD01

Tot Ion:168 Resp: 434607

Ion Ratio Lower Upper

168 100

99 51.4 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

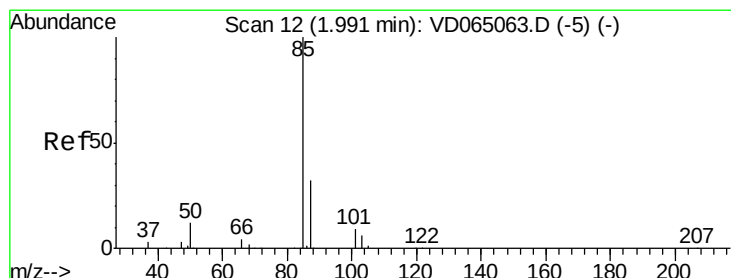
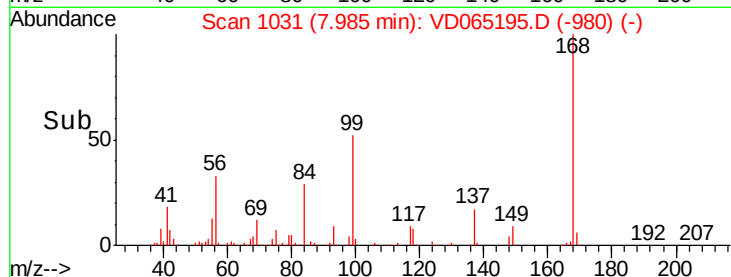
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.938 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065195.D

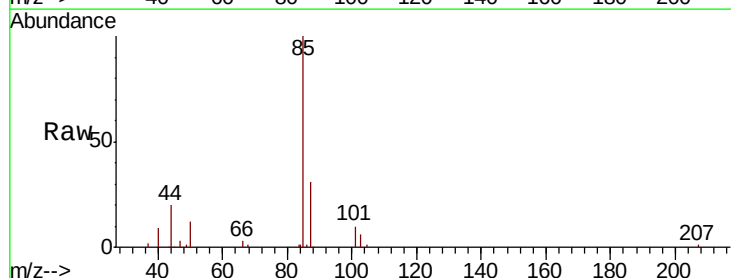
Acq: 17 Feb 2020 14:33

Tgt Ion: 85 Resp: 72109

Ion Ratio Lower Upper

85 100

87 31.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

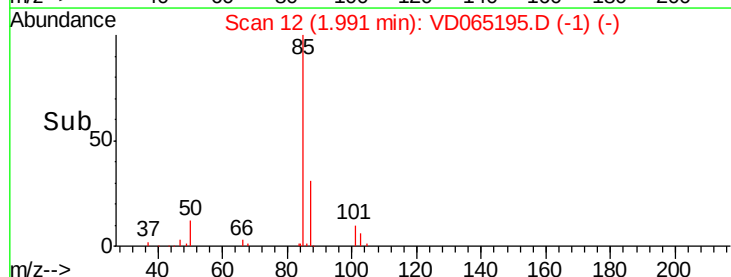
20000

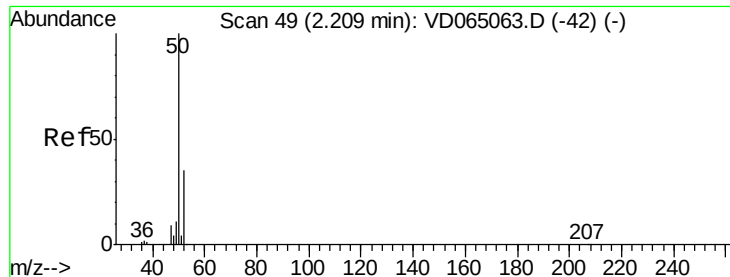
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 22.716 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

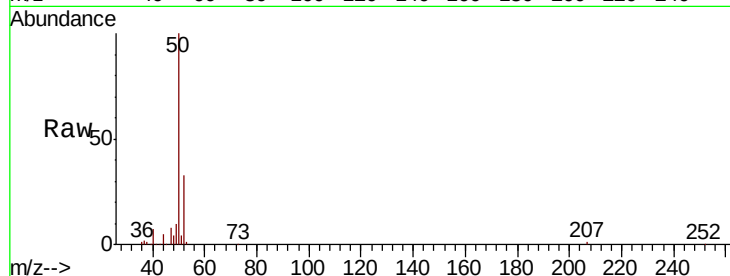
VD0217SBS01

Tot Ion: 50 Resp: 96711

Ion Ratio Lower Upper

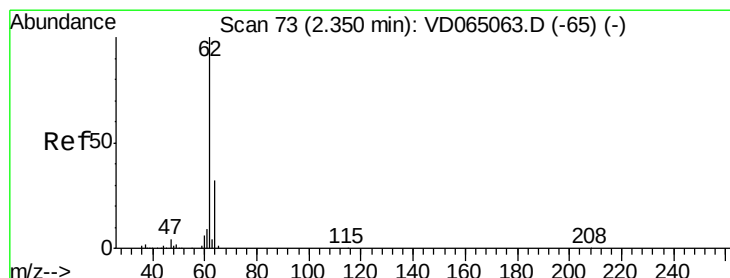
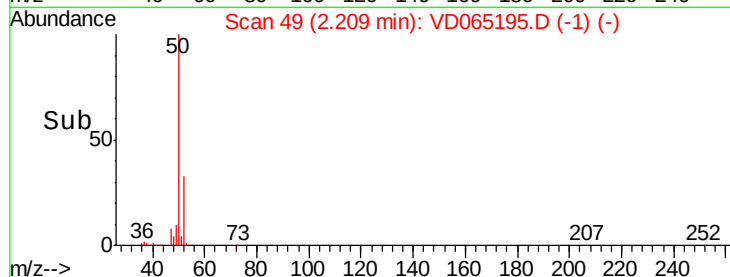
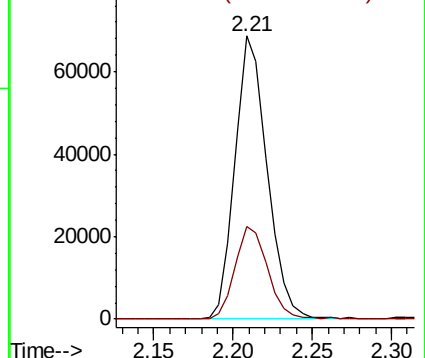
50 100

52 32.6 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.240 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065195.D

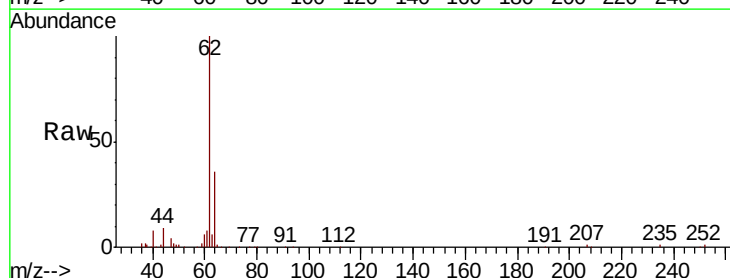
Acq: 17 Feb 2020 14:33

Tgt Ion: 62 Resp: 95633

Ion Ratio Lower Upper

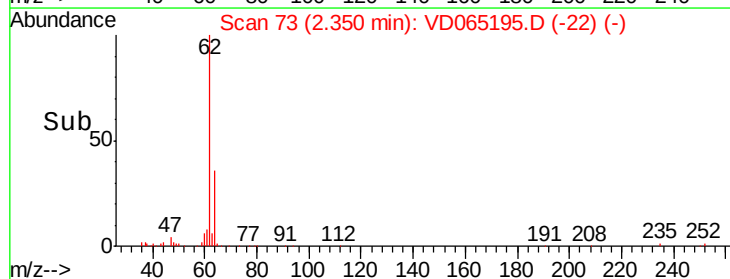
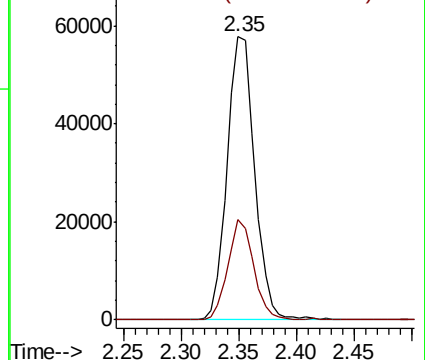
62 100

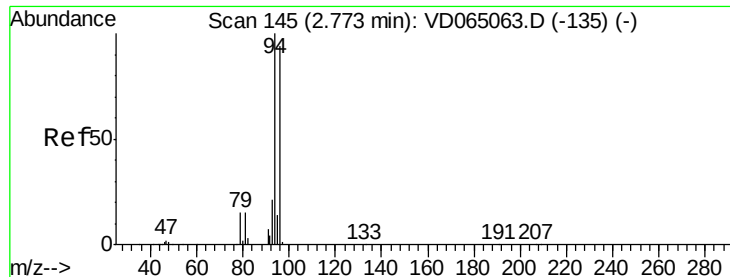
64 35.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.766 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

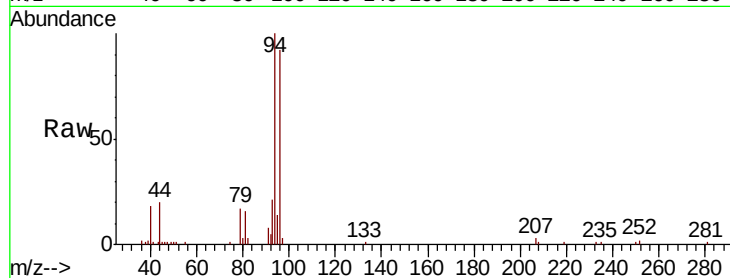
VD0217SBS01

Tot Ion: 94 Resp: 57704

Ion Ratio Lower Upper

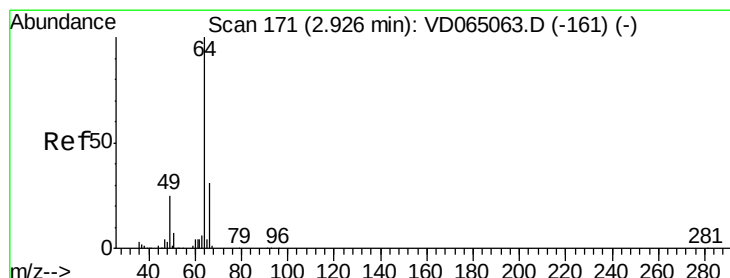
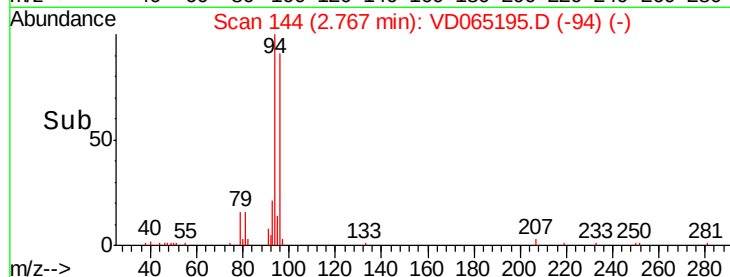
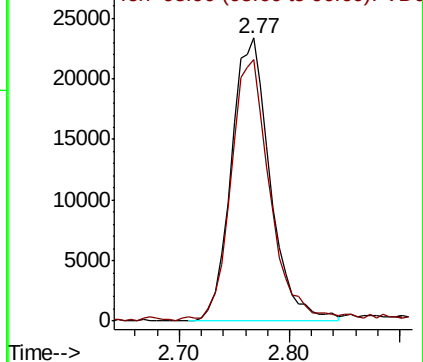
94 100

96 90.9 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.496 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065195.D

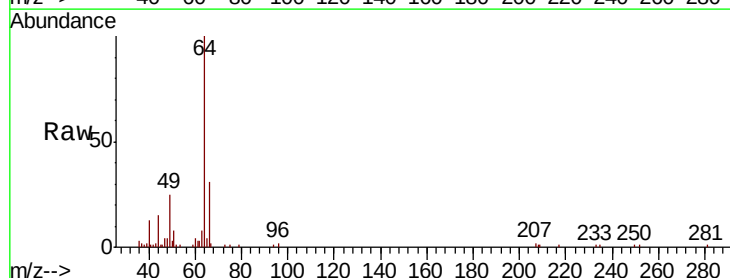
Acq: 17 Feb 2020 14:33

Tgt Ion: 64 Resp: 60038

Ion Ratio Lower Upper

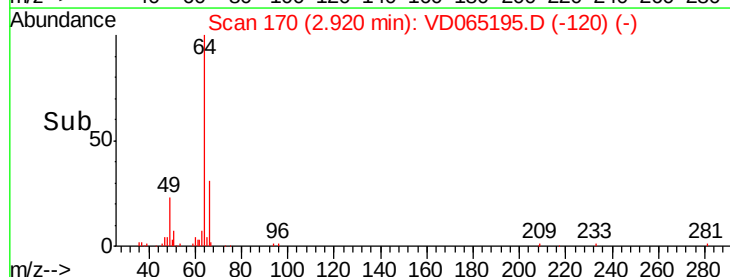
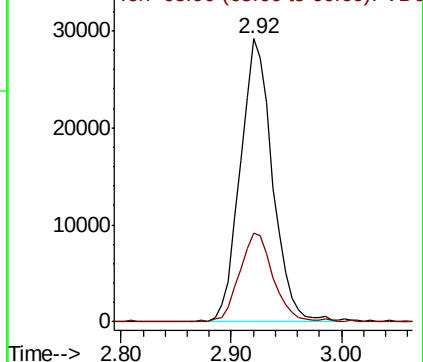
64 100

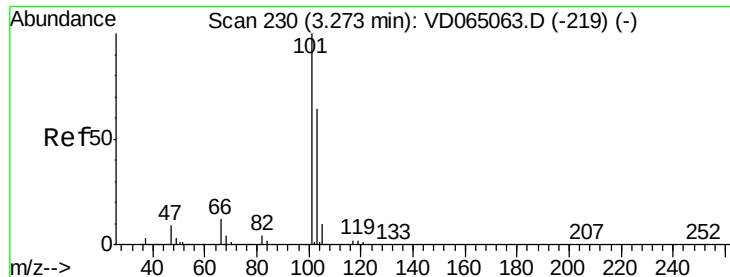
66 31.2 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



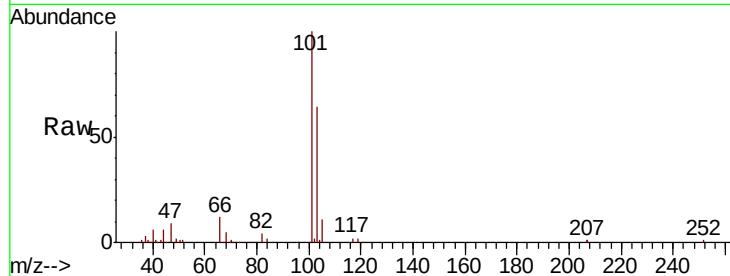


#7

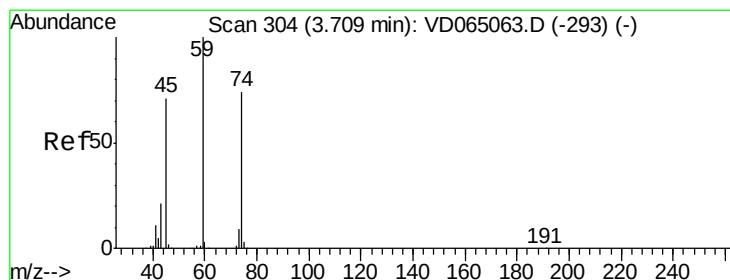
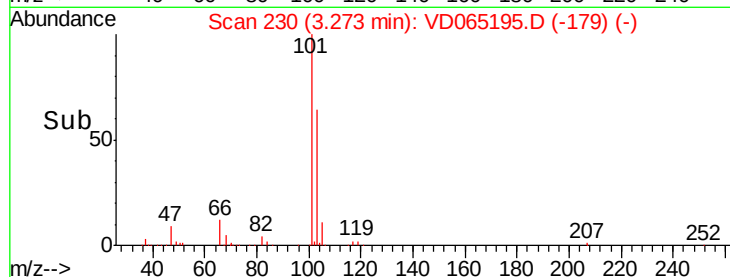
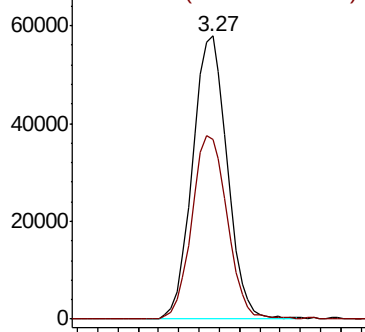
Trichlorofluoromethane
 Concen: 20.978 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBSD01

Tot Ion:101 Resp: 137459
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.0 76.6



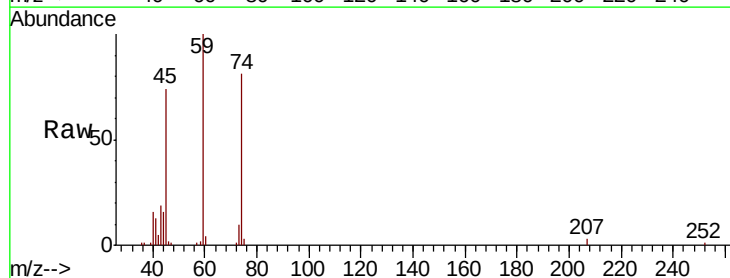
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



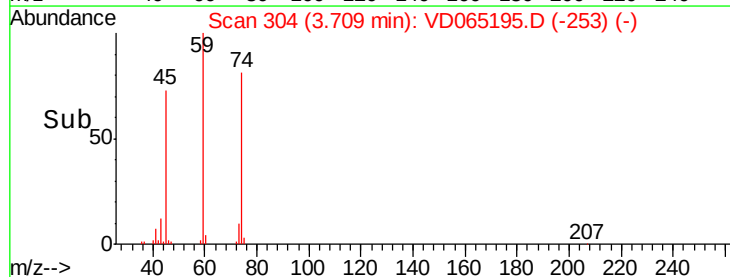
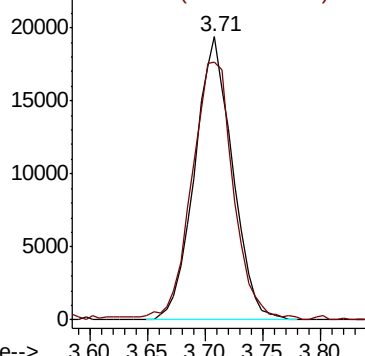
#8

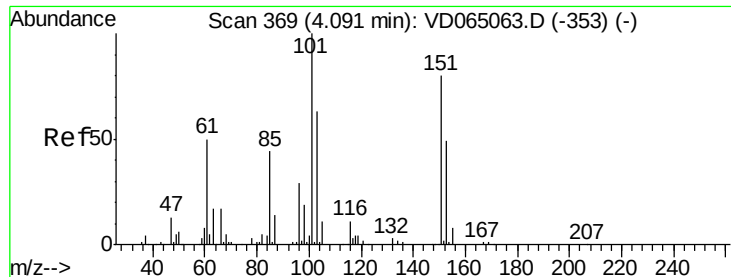
Diethyl Ether
 Concen: 23.451 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion: 74 Resp: 44113
 Ion Ratio Lower Upper
 74 100
 45 100.2 49.0 147.0



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: 22.031 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBSD01

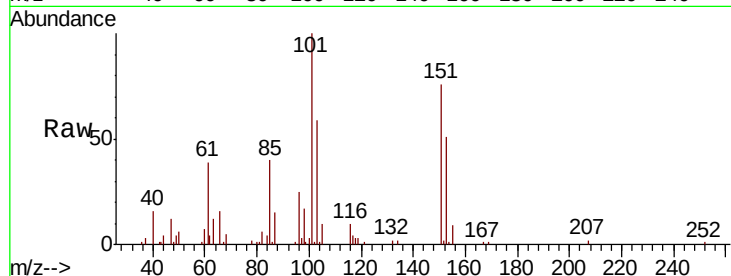
Tot Ion:101 Resp: 88250

Ion Ratio Lower Upper

101 100

85 42.7 34.0 51.0

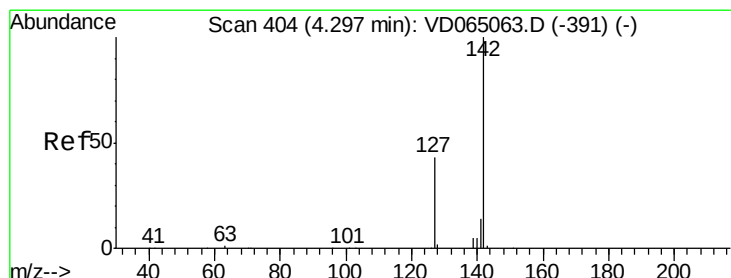
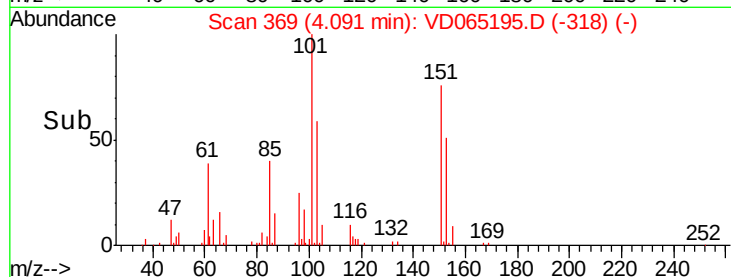
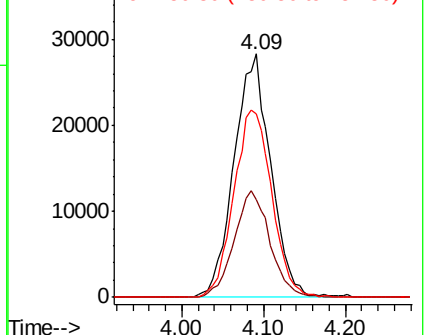
151 79.4 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.745 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

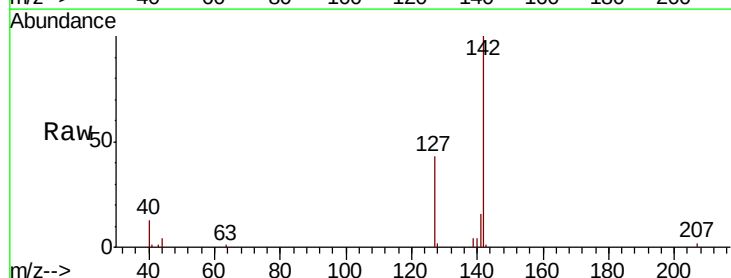
Tgt Ion:142 Resp: 85703

Ion Ratio Lower Upper

142 100

127 43.6 34.0 51.0

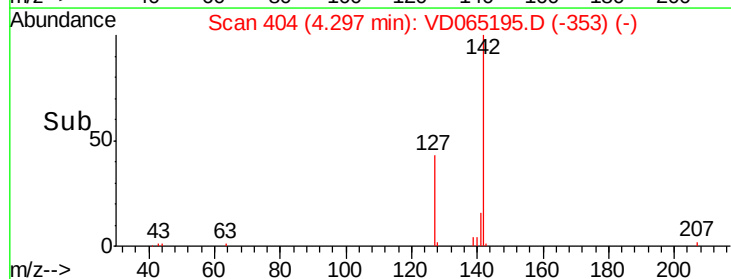
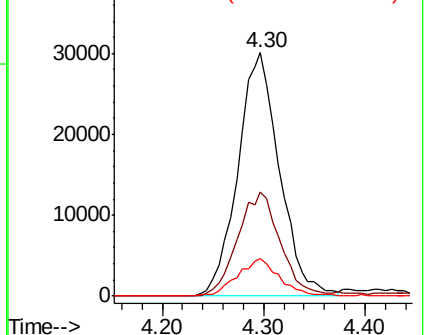
141 15.5 11.6 17.4

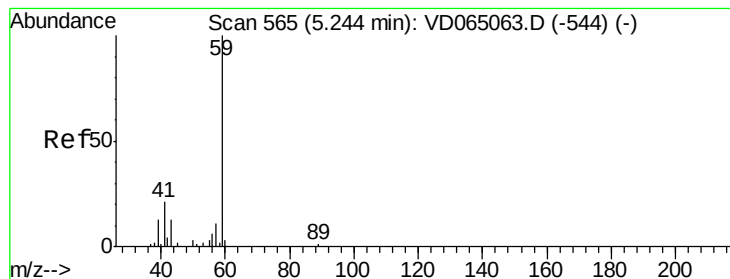


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



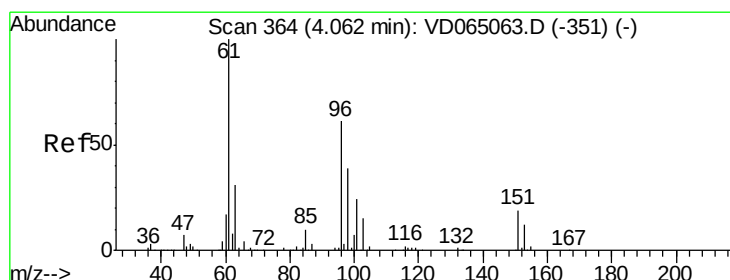
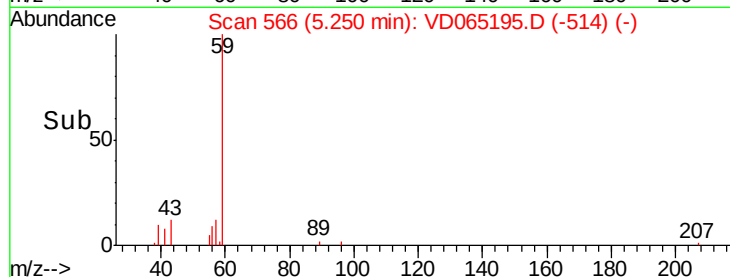
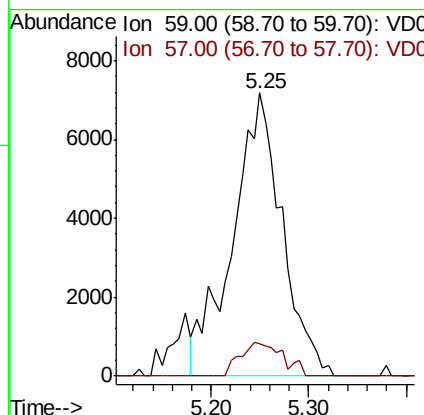
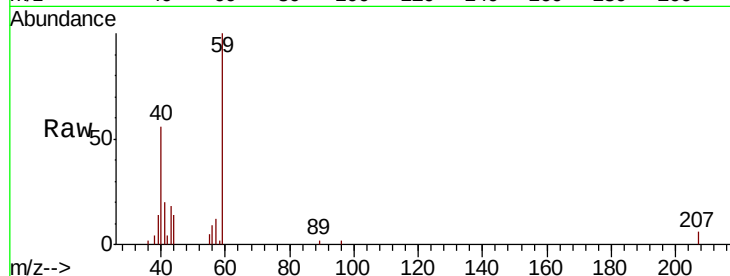


#11

Tert butyl alcohol
 Concen: 112.559 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBSD01

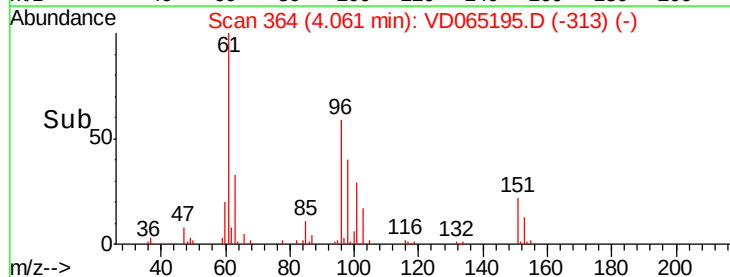
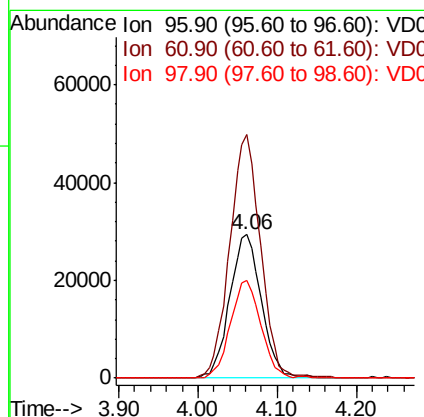
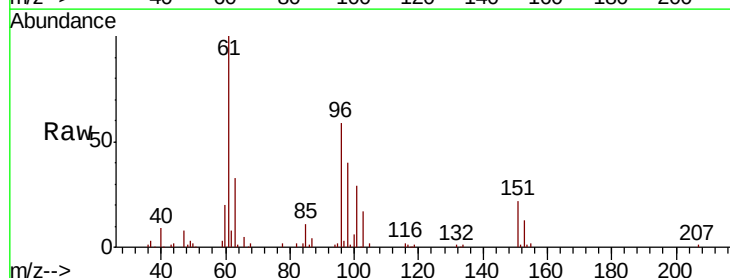
Tot Ion: 59 Resp: 25403
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.8 13.2

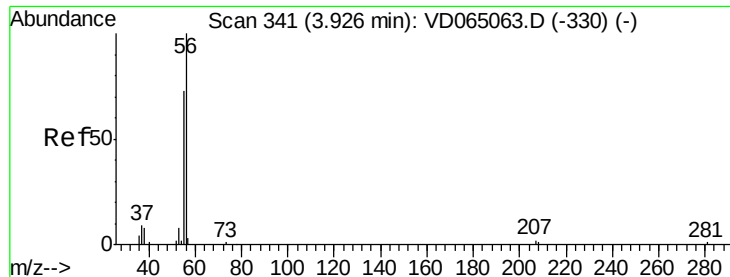


#12

1,1-Dichloroethene
 Concen: 21.198 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion: 96 Resp: 81322
 Ion Ratio Lower Upper
 96 100
 61 169.4 131.4 197.2
 98 67.8 51.1 76.7





#13

Acrolein

Concen: 79.791 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

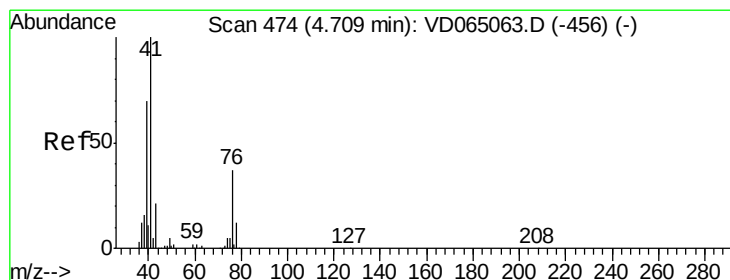
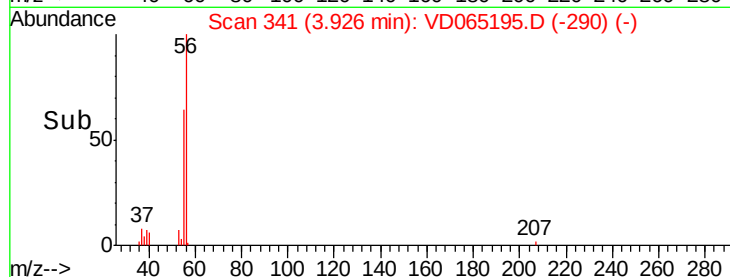
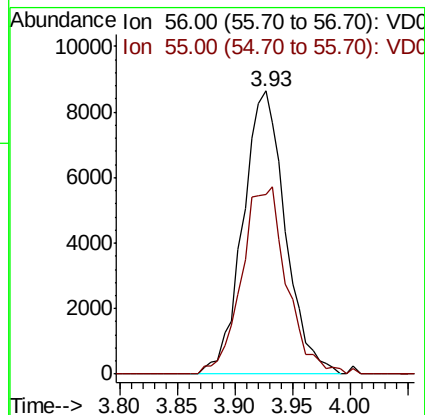
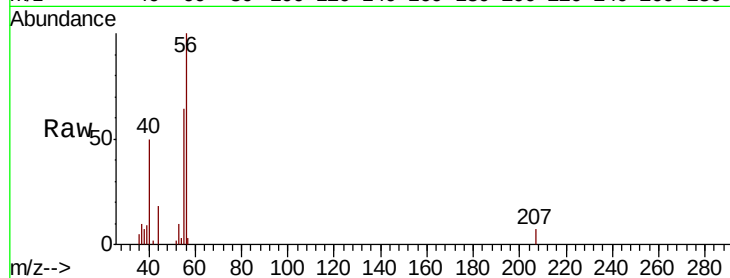
VD0217SBSD01

Tot Ion: 56 Resp: 22149

Ion Ratio Lower Upper

56 100

55 70.4 58.2 87.2



#14

Allyl chloride

Concen: 21.753 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

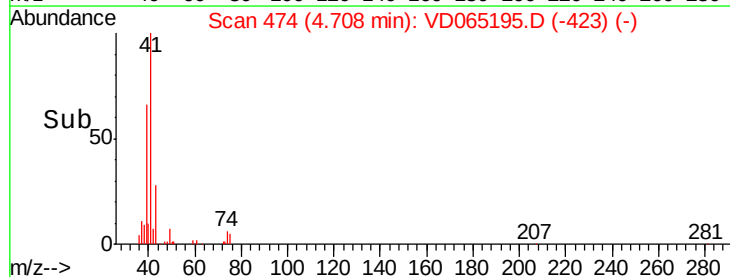
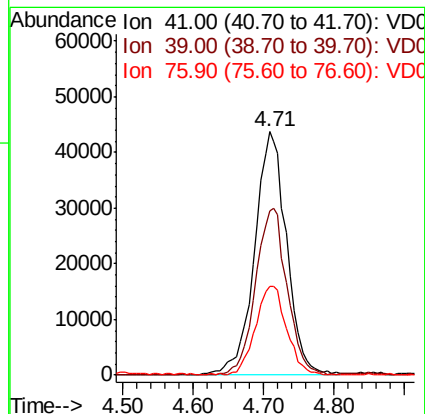
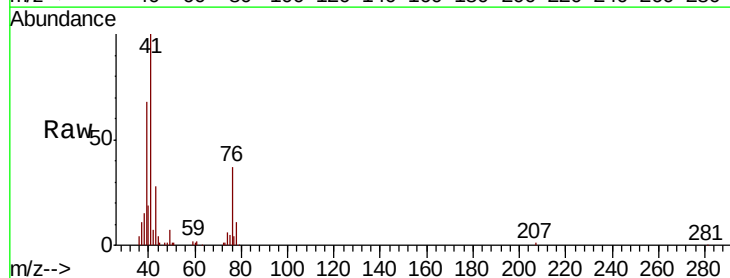
Tgt Ion: 41 Resp: 138698

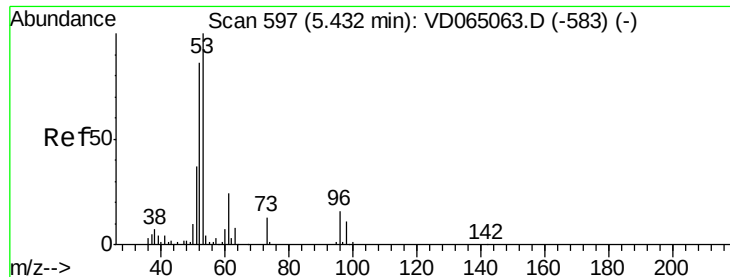
Ion Ratio Lower Upper

41 100

39 67.7 57.1 85.7

76 35.6 28.0 42.0





#15

Acrylonitrile

Concen: 117.640 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBSD01

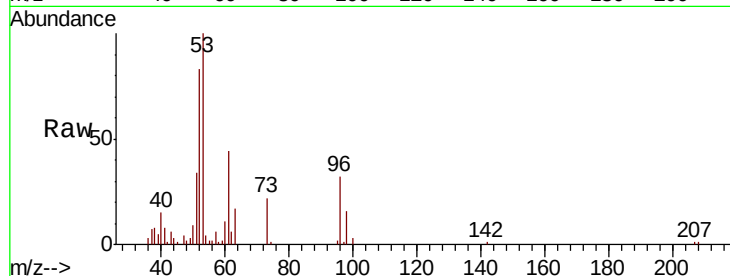
Tot Ion: 53 Resp: 96745

Ion Ratio Lower Upper

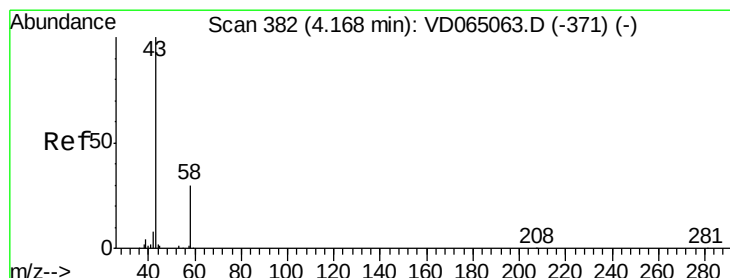
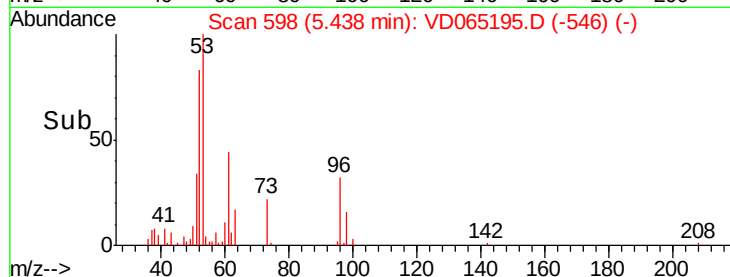
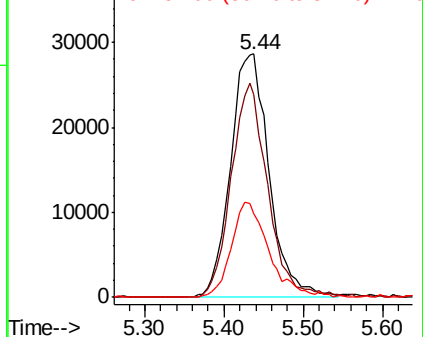
53 100

52 83.2 66.2 99.2

51 38.1 30.4 45.6



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 95.442 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065195.D

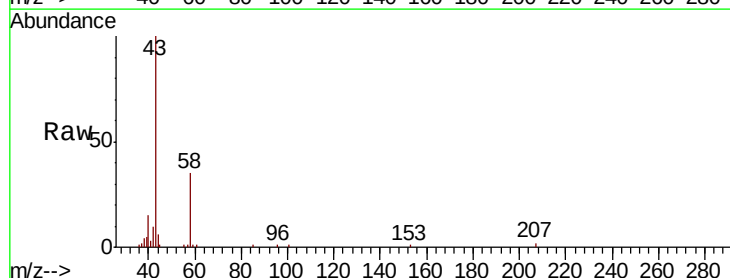
Acq: 17 Feb 2020 14:33

Tgt Ion: 43 Resp: 88142

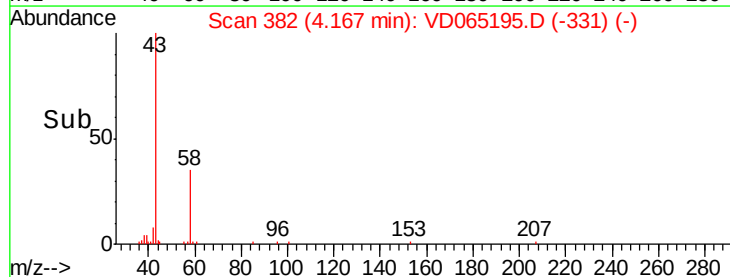
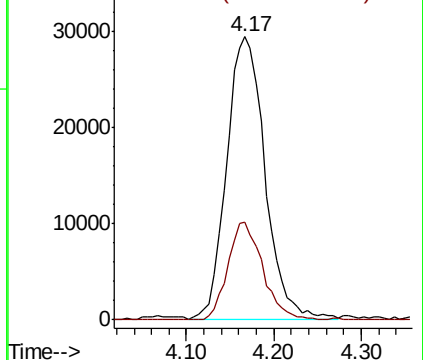
Ion Ratio Lower Upper

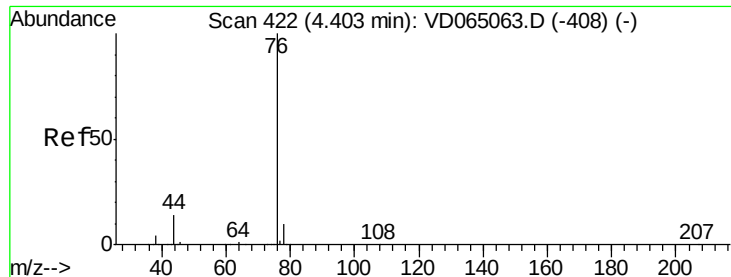
43 100

58 34.7 23.5 35.3



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





#17

Carbon Disulfide

Concen: 21.308 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

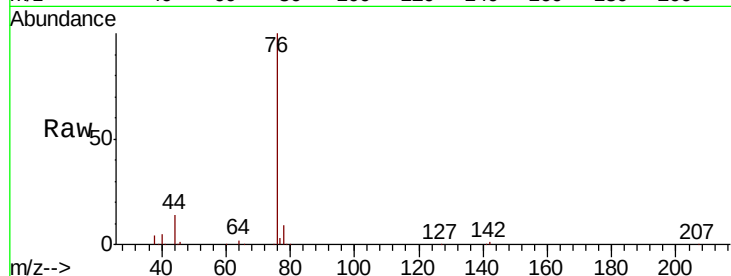
VD0217SBSD01

Tot Ion: 76 Resp: 262465

Ion Ratio Lower Upper

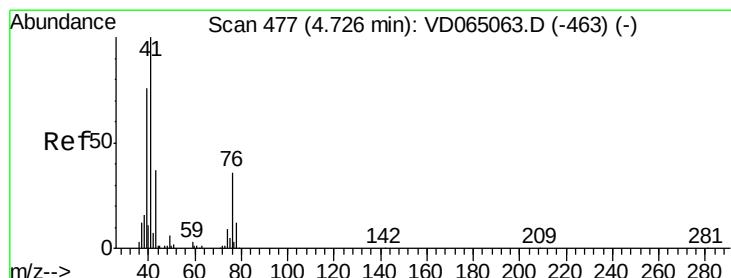
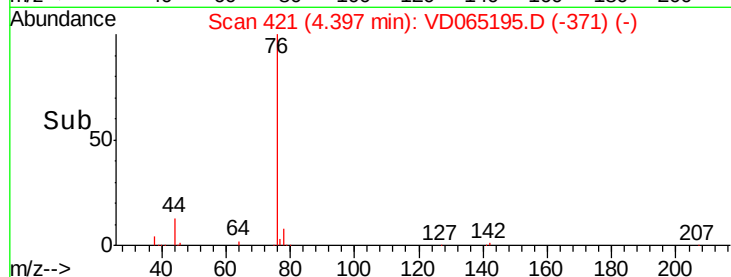
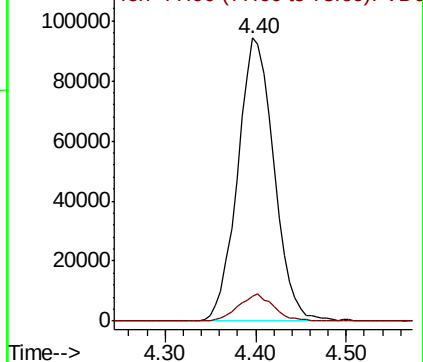
76 100

78 9.0 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 27.290 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065195.D

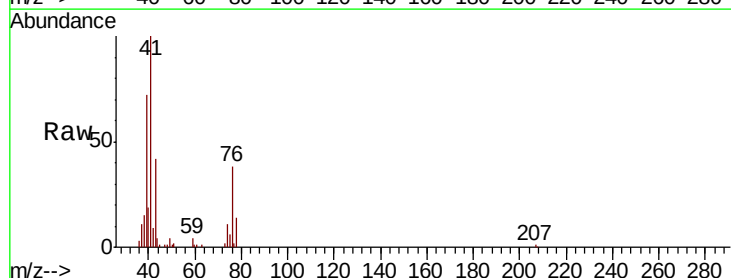
Acq: 17 Feb 2020 14:33

Tgt Ion: 43 Resp: 52655

Ion Ratio Lower Upper

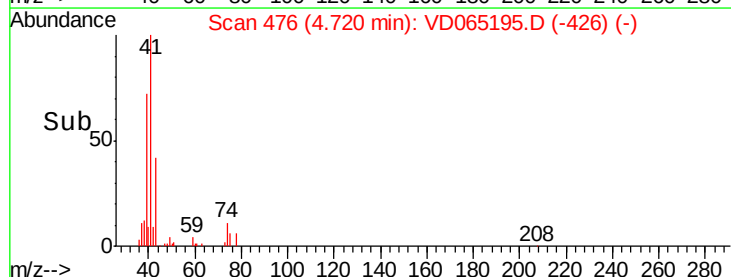
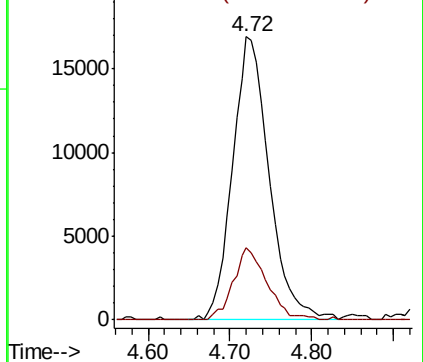
43 100

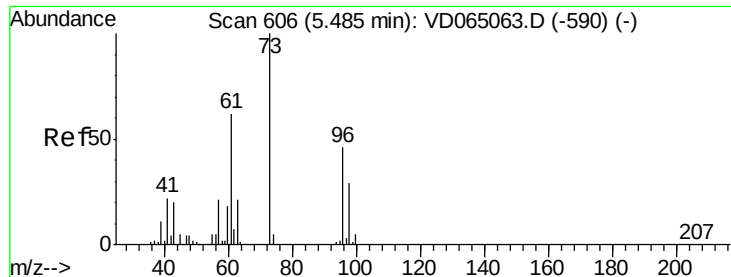
74 22.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



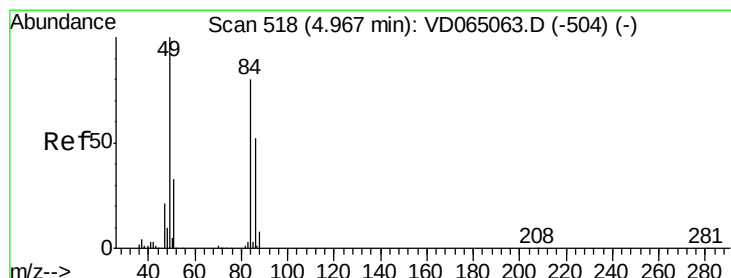
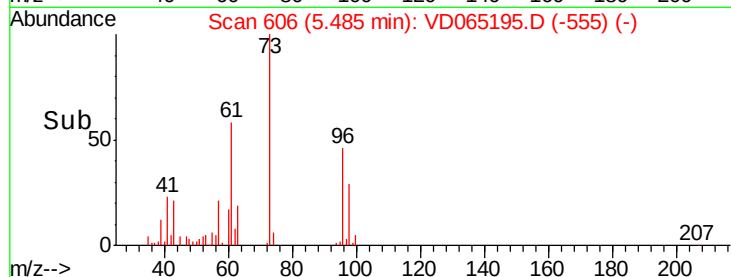
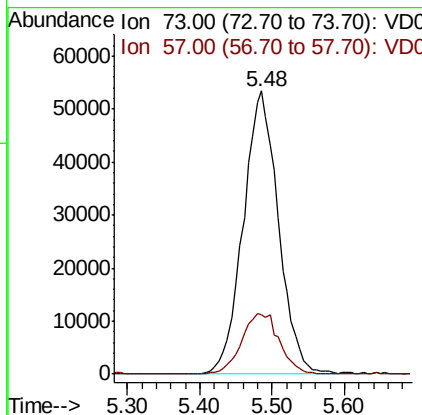
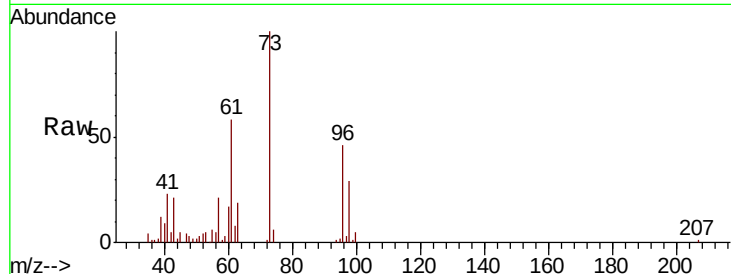


#19

Methyl tert-butyl Ether
 Concen: 21.234 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

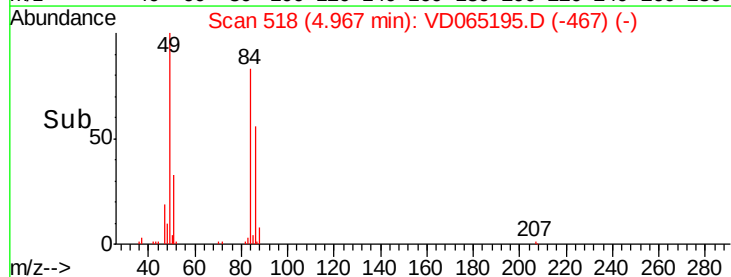
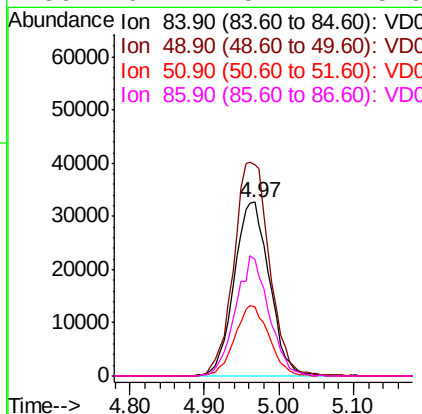
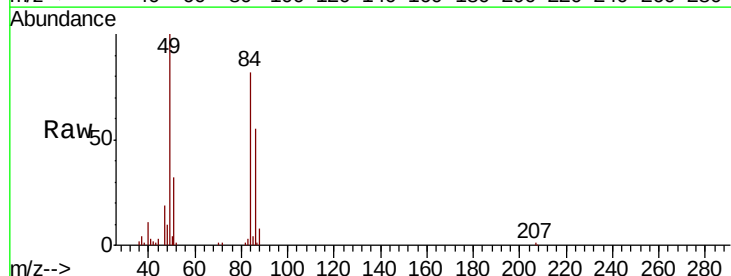
Tot Ion: 73 Resp: 180139
 Ion Ratio Lower Upper
 73 100
 57 21.0 16.8 25.2

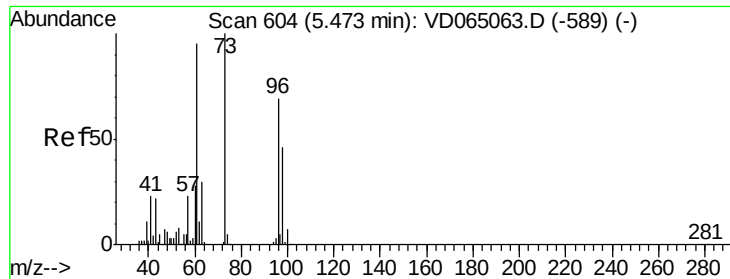


#20

Methylene Chloride
 Concen: 24.420 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion: 84 Resp: 107498
 Ion Ratio Lower Upper
 84 100
 49 121.7 100.4 150.6
 51 39.4 32.7 49.1
 86 67.2 52.4 78.6

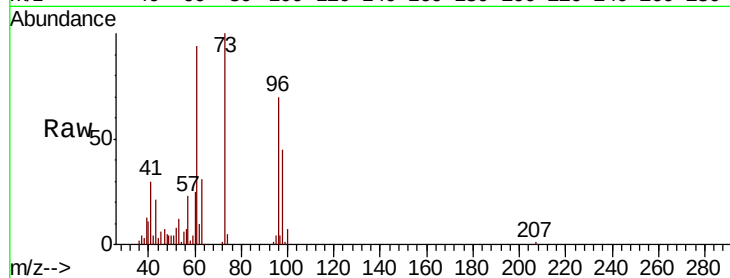




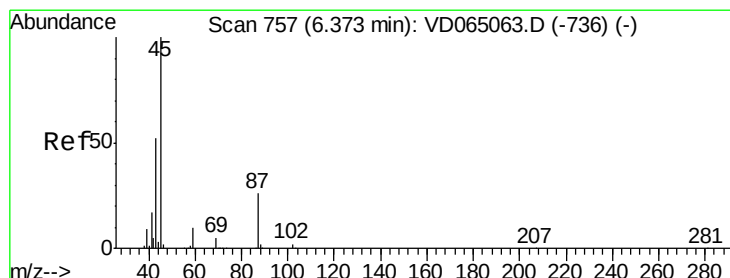
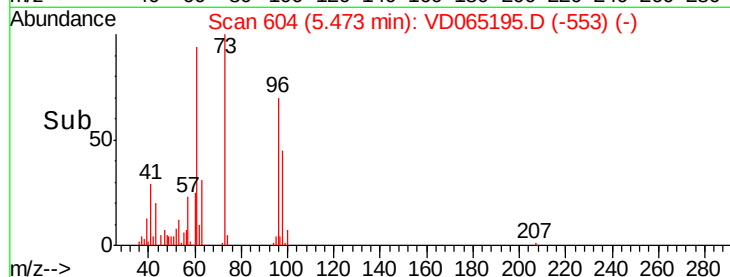
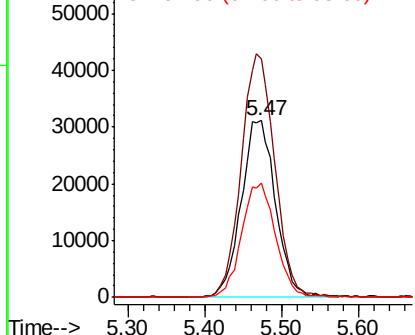
#21
trans-1,2-Dichloroethene
Concen: 22.409 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

Tot Ion: 96 Resp: 97264
Ion Ratio Lower Upper
96 100
61 134.7 109.5 164.3
98 64.5 53.7 80.5

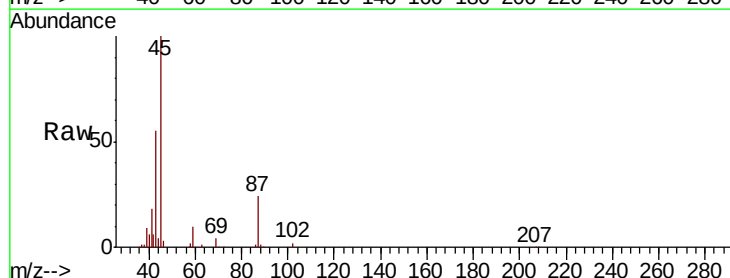


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC

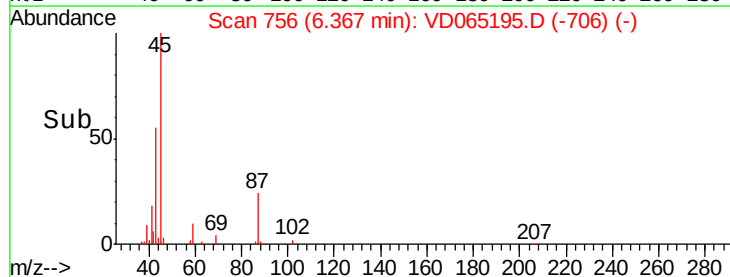
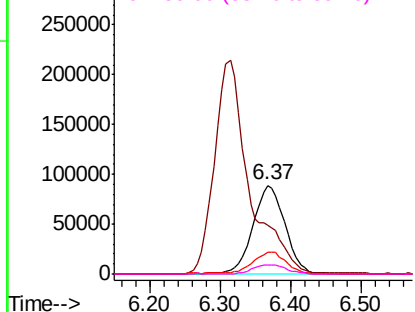


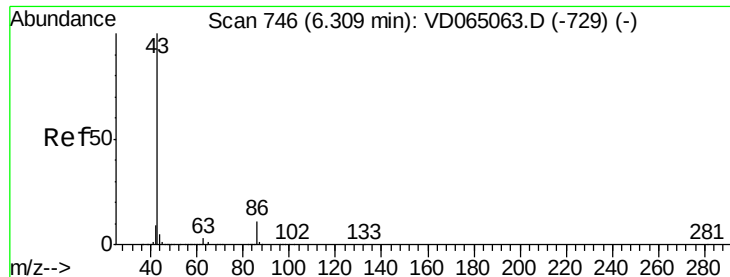
#22
Diisopropyl ether
Concen: 23.686 ug/l
RT: 6.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion: 45 Resp: 284866
Ion Ratio Lower Upper
45 100
43 53.2 41.3 61.9
87 24.2 21.0 31.6
59 10.1 8.2 12.4



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: 110.163 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

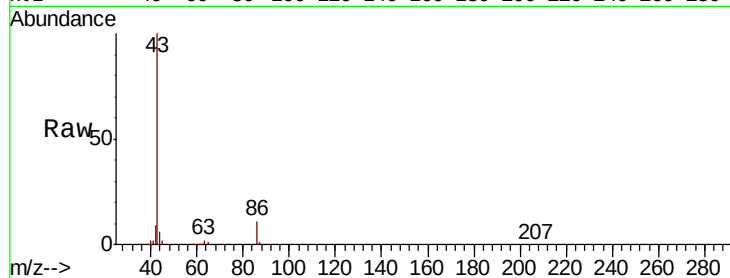
VD0217SBS01

Tot Ion: 43 Resp: 738464

Ion Ratio Lower Upper

43 100

86 10.6 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

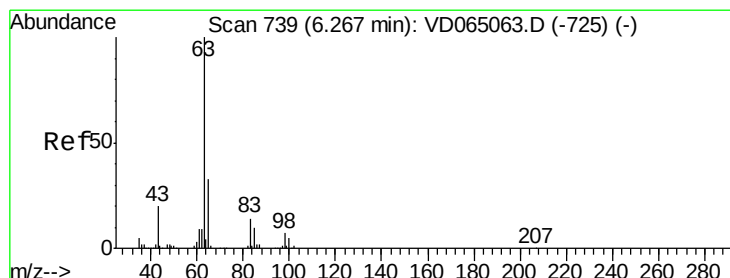
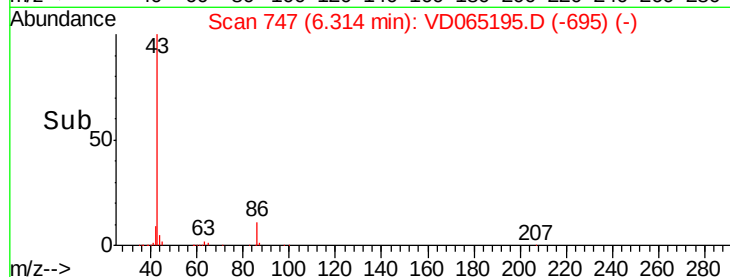
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 22.833 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

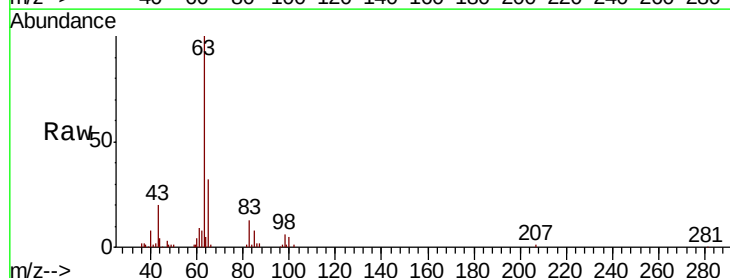
Tgt Ion: 63 Resp: 166209

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.4

100 4.7 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

60000

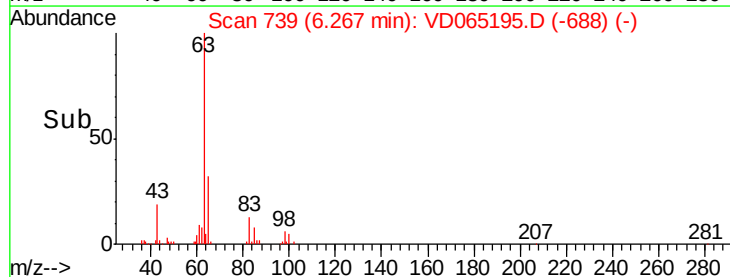
40000

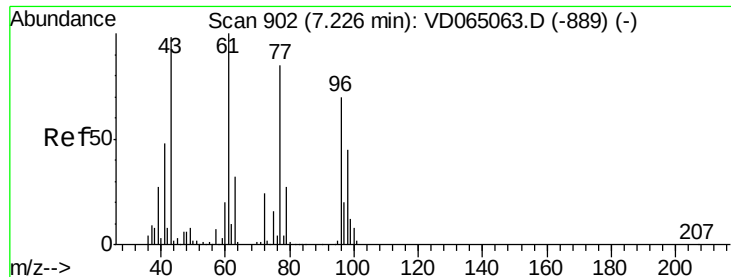
20000

0

6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 111.176 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

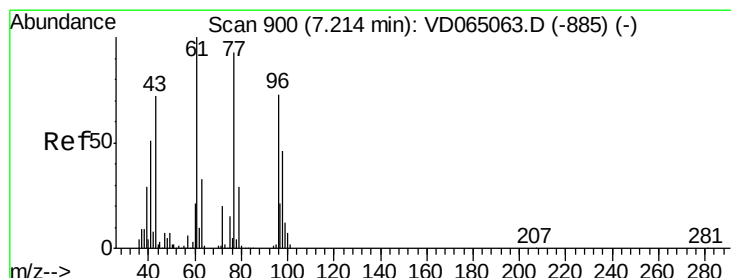
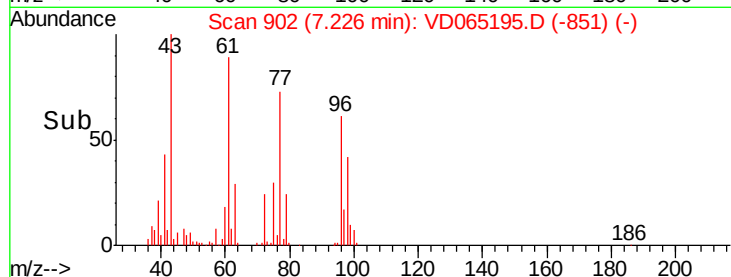
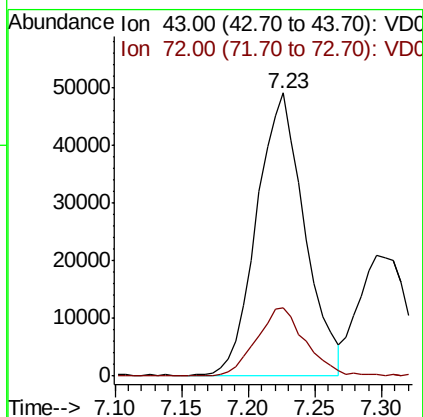
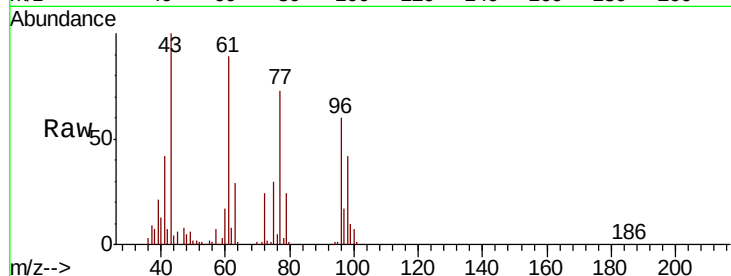
VD0217SBS01

Tot Ion: 43 Resp: 122473

Ion Ratio Lower Upper

43 100

72 24.2 19.9 29.9



#26

2,2-Dichloropropane

Concen: 22.167 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065195.D

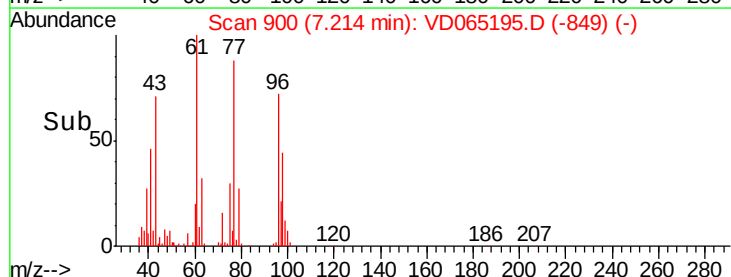
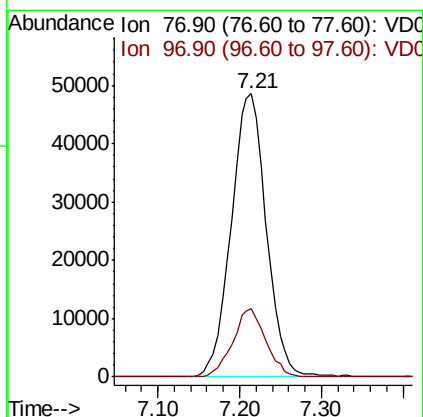
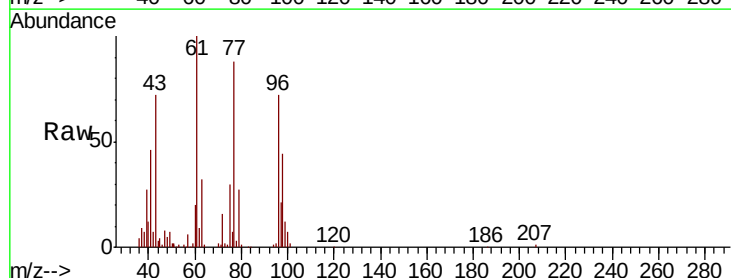
Acq: 17 Feb 2020 14:33

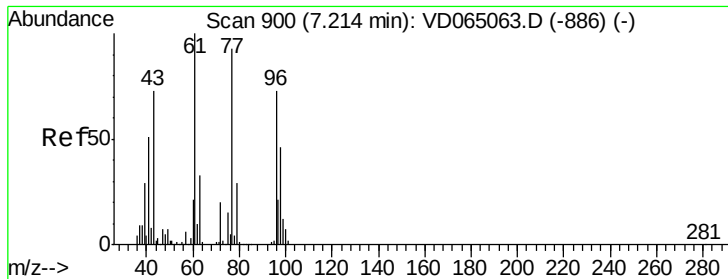
Tgt Ion: 77 Resp: 144632

Ion Ratio Lower Upper

77 100

97 22.6 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 22.471 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBSD01

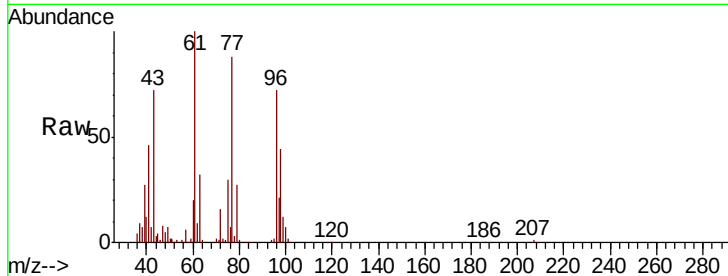
Tot Ion: 96 Resp: 103618

Ion Ratio Lower Upper

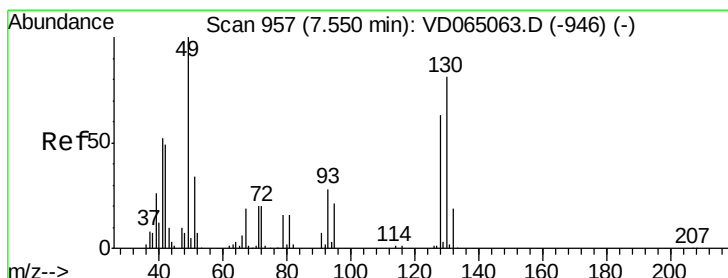
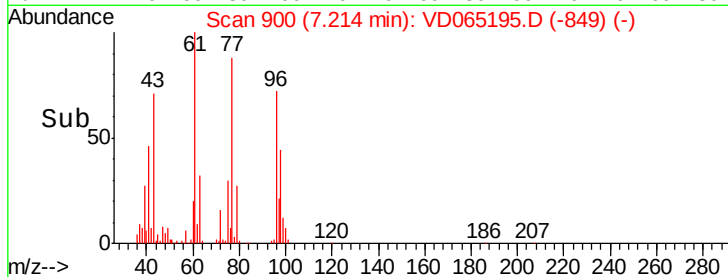
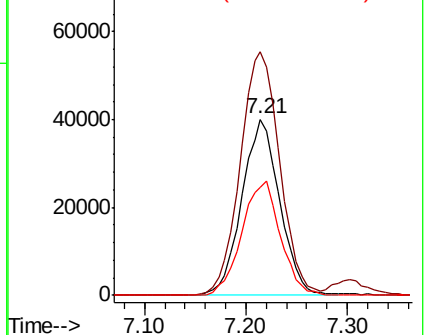
96 100

61 144.4 0.0 292.8

98 65.9 0.0 128.8



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: 21.521 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

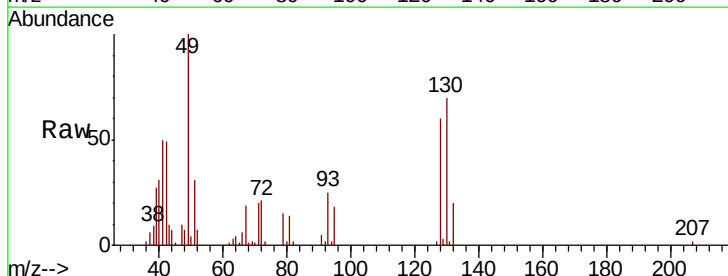
Tgt Ion: 49 Resp: 59386

Ion Ratio Lower Upper

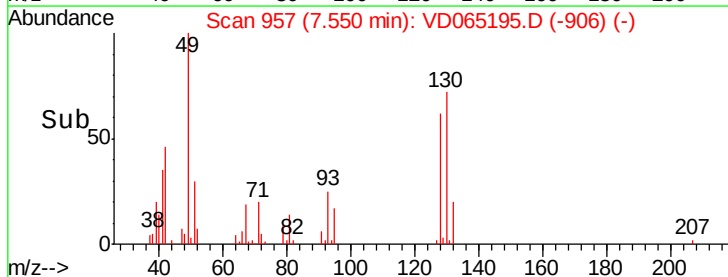
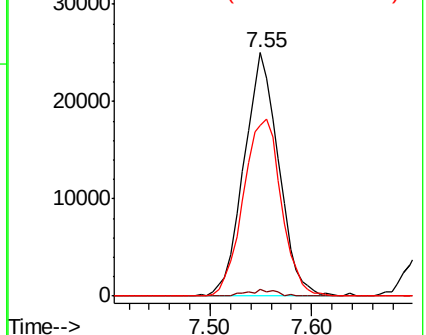
49 100

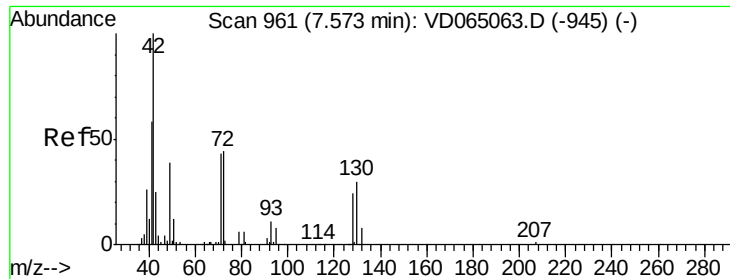
129 2.2 0.0 4.4

130 79.8 63.8 95.8



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

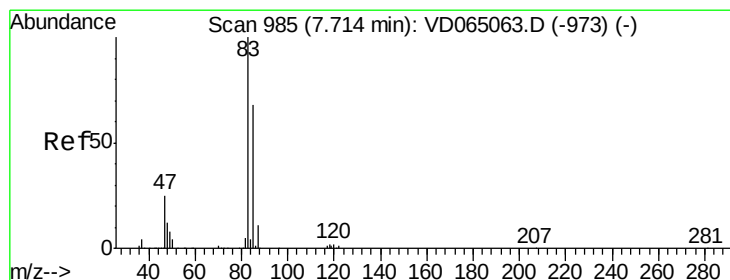
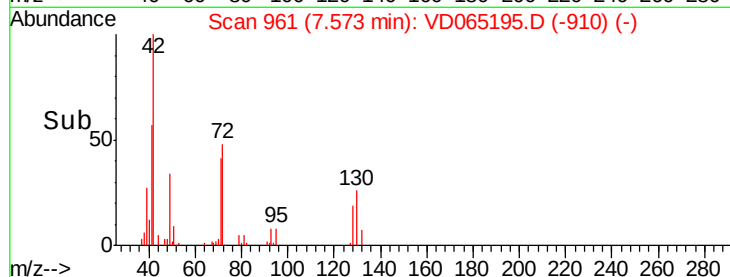
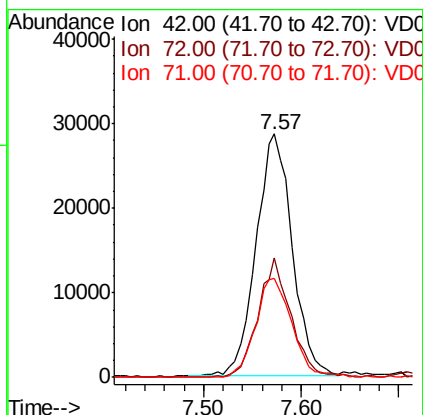
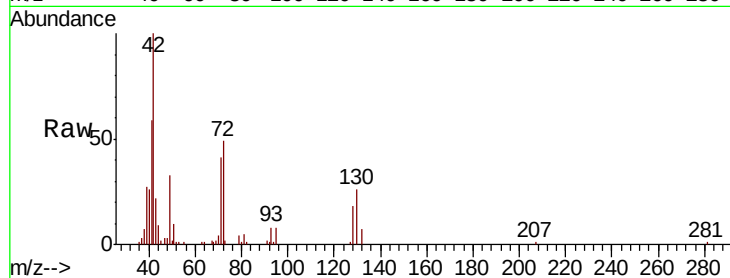




#29
Tetrahydrofuran
Concen: 111.423 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

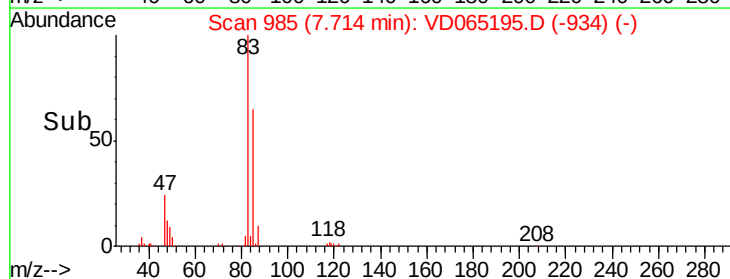
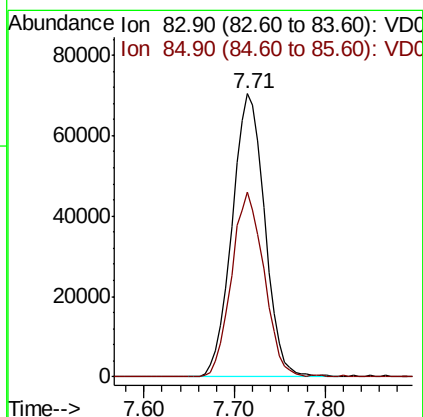
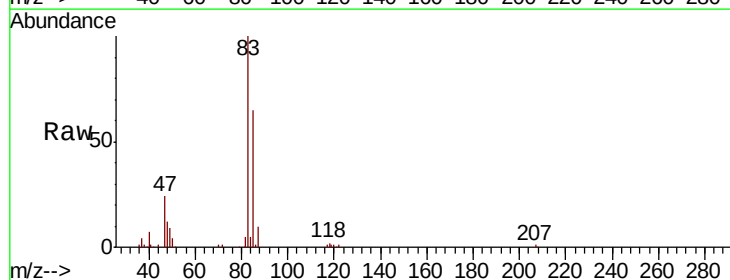
Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

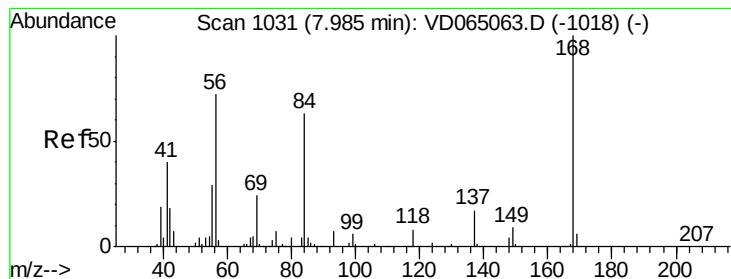
Tot Ion: 42 Resp: 74228
Ion Ratio Lower Upper
42 100
72 44.8 34.2 51.4
71 41.3 31.8 47.6



#30
Chloroform
Concen: 24.304 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion: 83 Resp: 176162
Ion Ratio Lower Upper
83 100
85 65.1 54.2 81.4





#31

Cyclohexane

Concen: 20.560 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBSD01

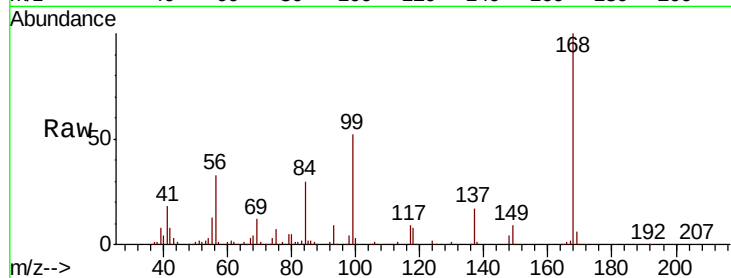
Tot Ion: 56 Resp: 151079

Ion Ratio Lower Upper

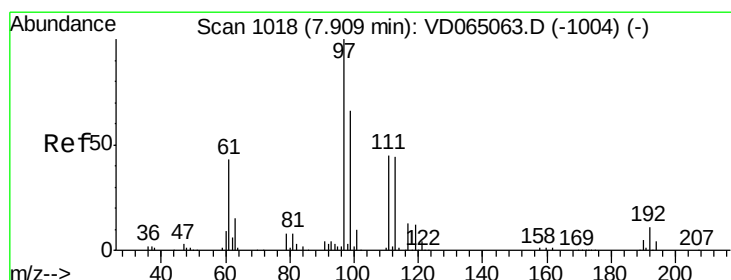
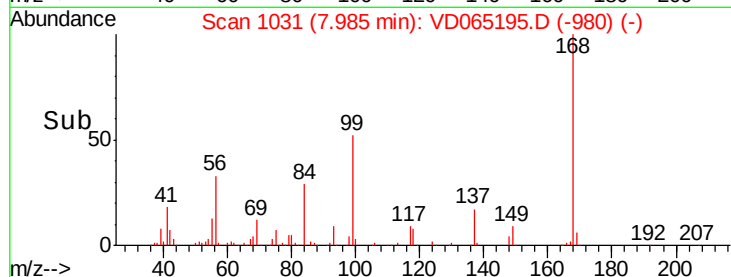
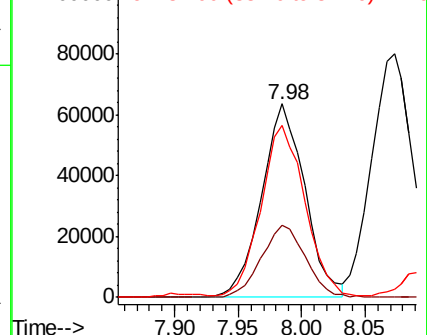
56 100

69 36.9 26.6 40.0

84 87.8 70.6 106.0



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: 22.450 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

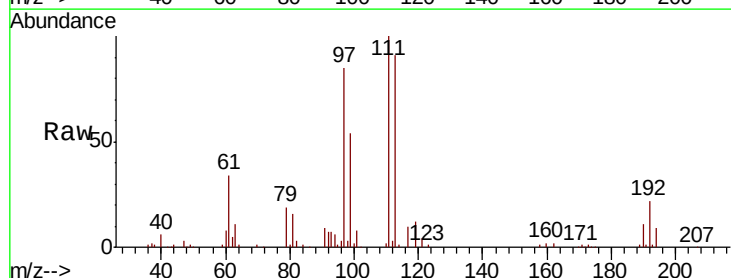
Tgt Ion: 97 Resp: 151578

Ion Ratio Lower Upper

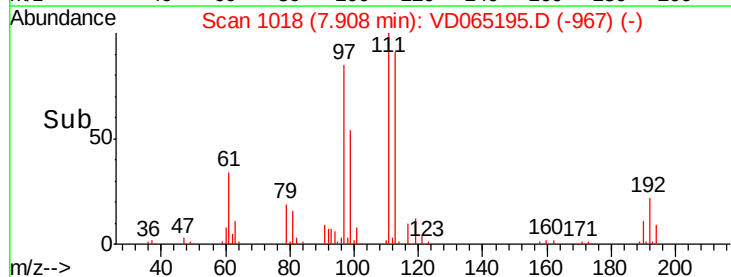
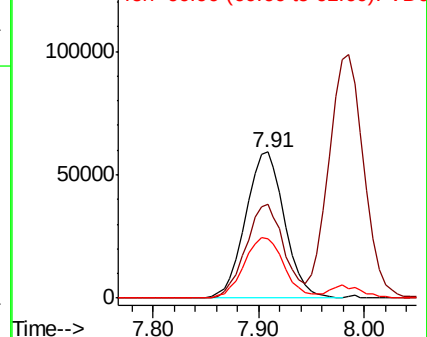
97 100

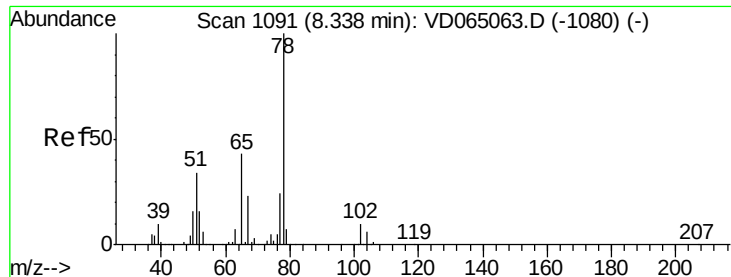
99 62.8 51.5 77.3

61 42.7 34.8 52.2



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

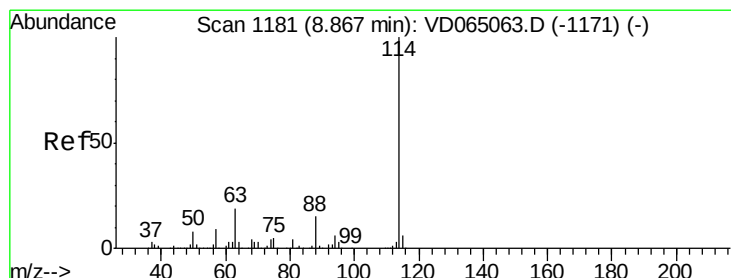
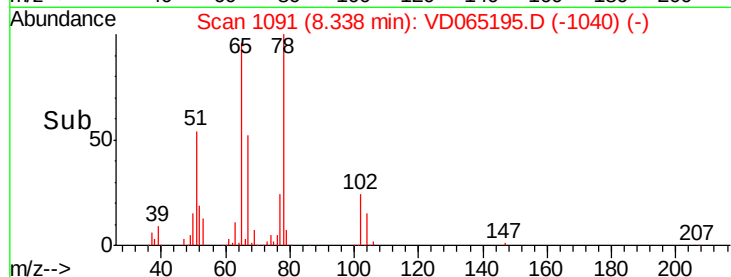
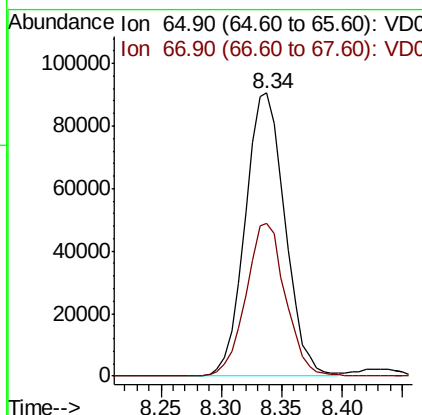
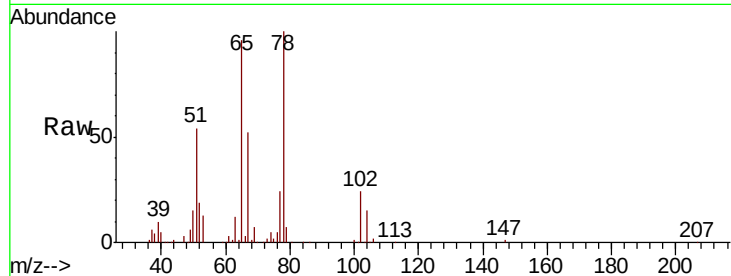




#33
 1,2-Dichloroethane-d4
 Concen: 56.292 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

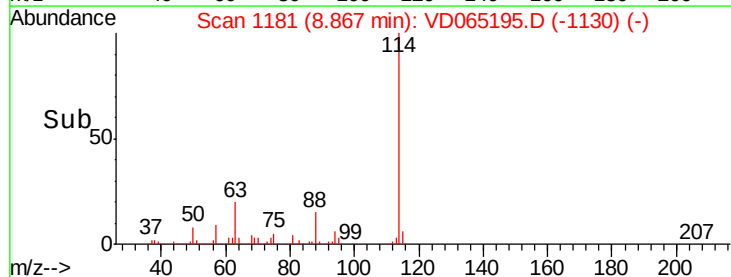
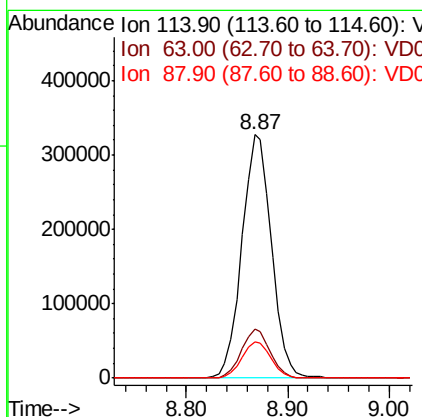
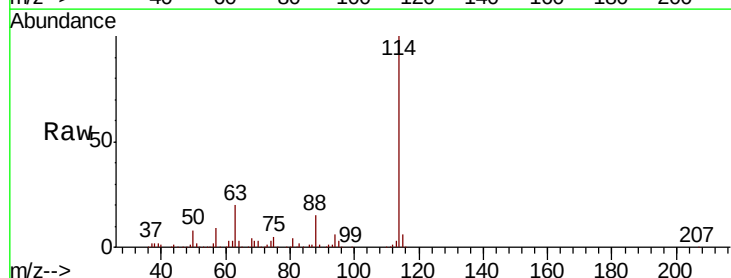
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBSD01

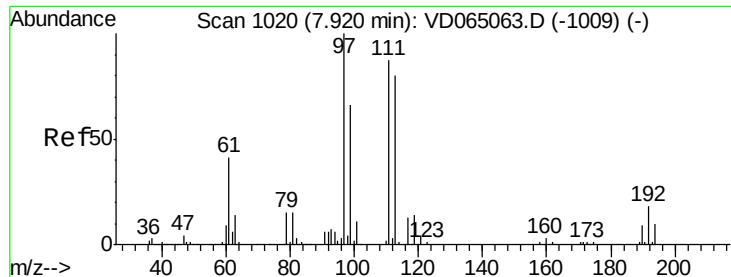
Tot Ion: 65 Resp: 207932
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion: 114 Resp: 660471
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.8
 88 15.0 0.0 29.6

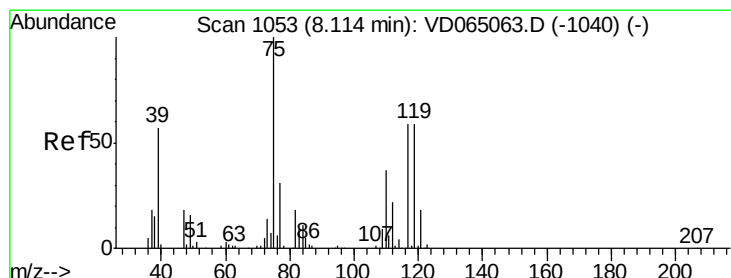
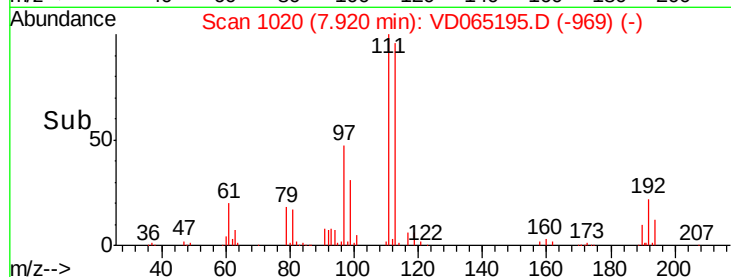
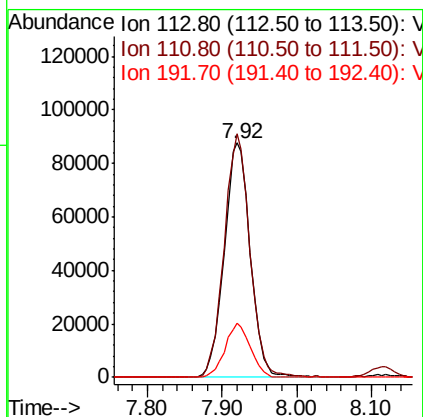
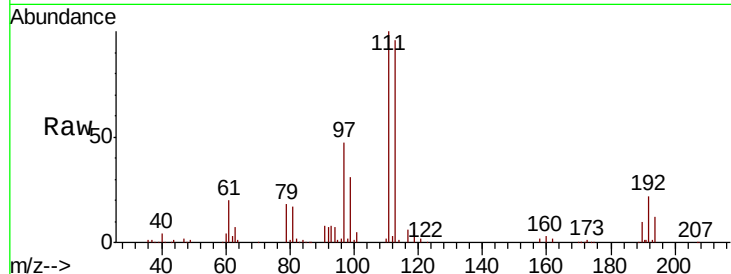




#35
 Dibromofluoromethane
 Concen: 57.701 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

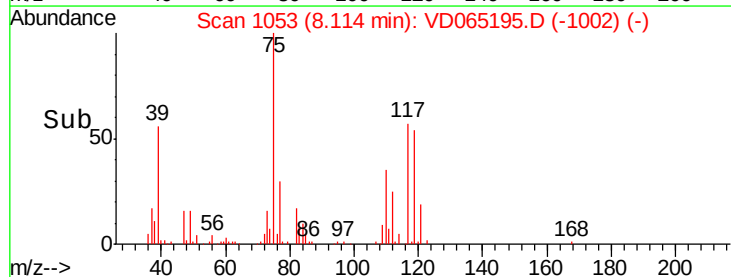
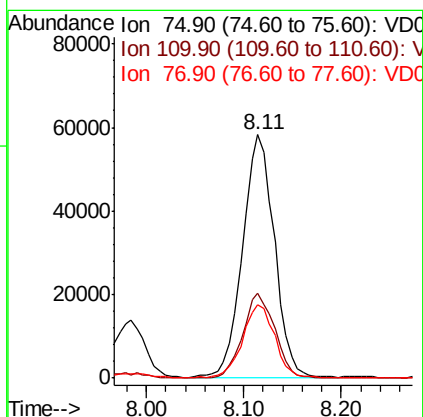
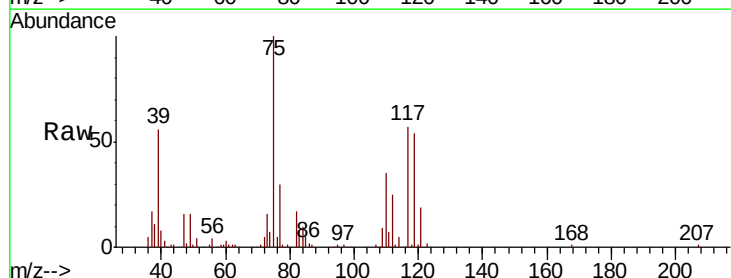
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBSD01

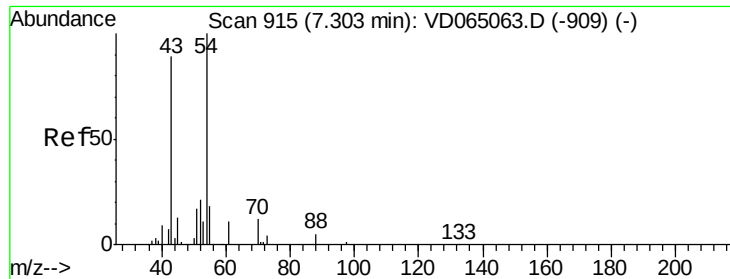
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.1	124.7
192	22.6	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 21.637 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	18.1	54.3
77	30.6	24.7	37.1

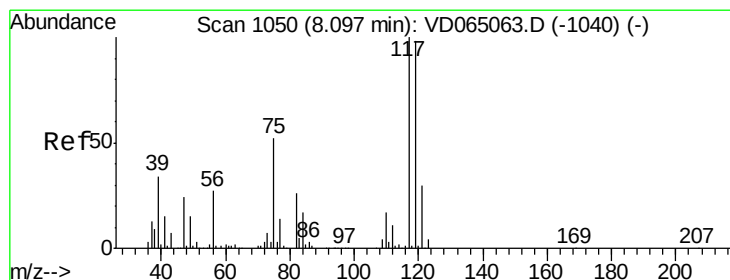
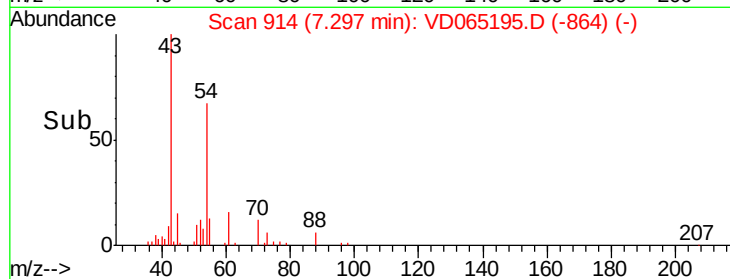
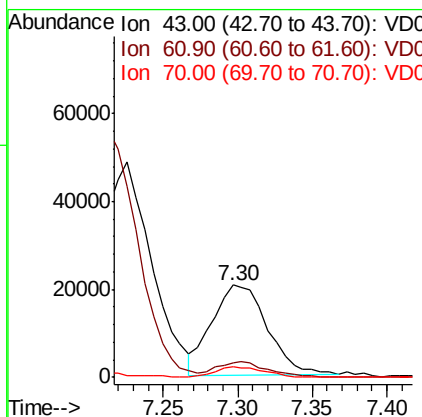
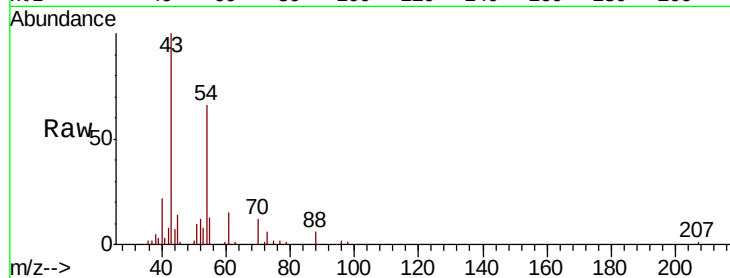




#37
Ethyl Acetate
Concen: 20.964 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

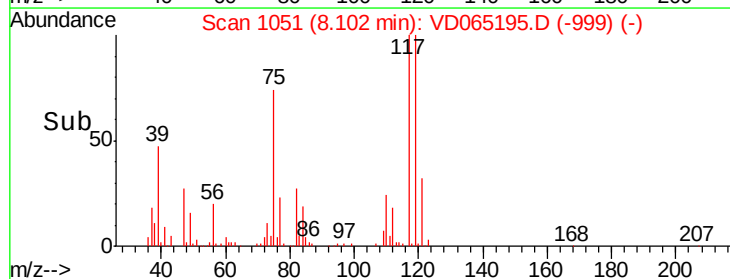
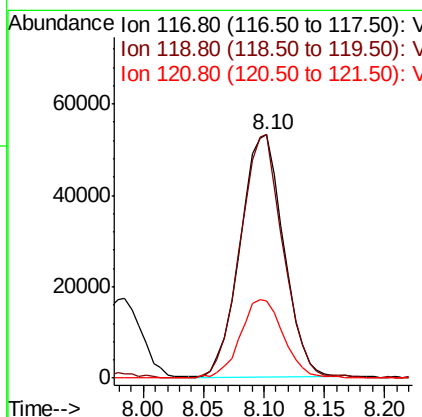
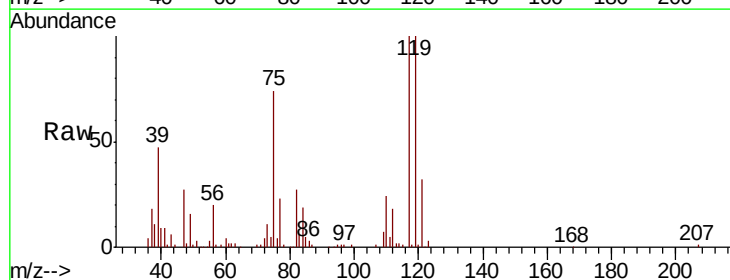
Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

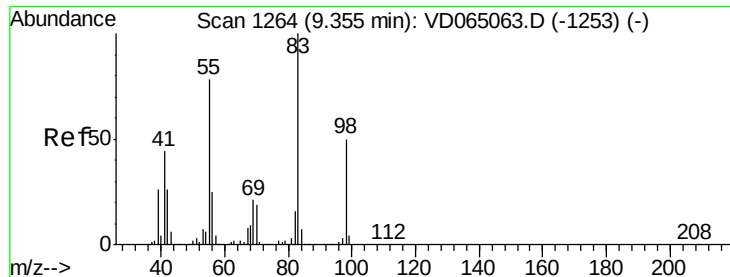
Tot Ion: 43 Resp: 52599
Ion Ratio Lower Upper
43 100
61 16.3 11.0 16.4
70 11.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 21.118 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion: 117 Resp: 132461
Ion Ratio Lower Upper
117 100
119 100.6 78.5 117.7
121 31.7 23.8 35.6

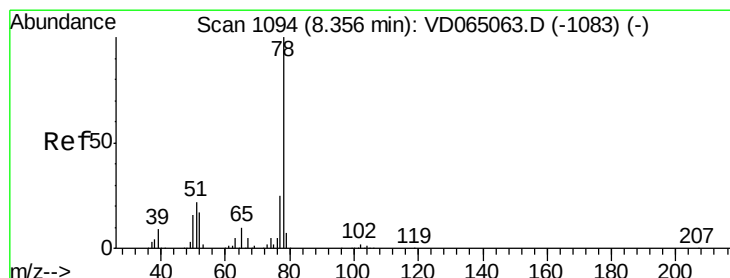
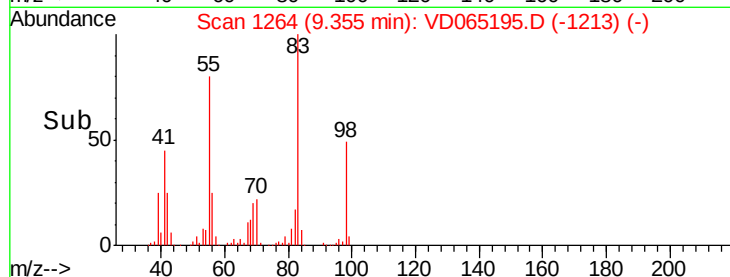
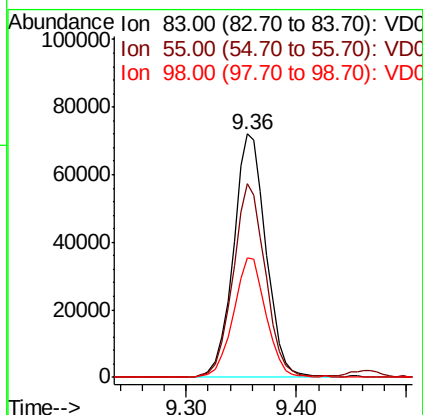
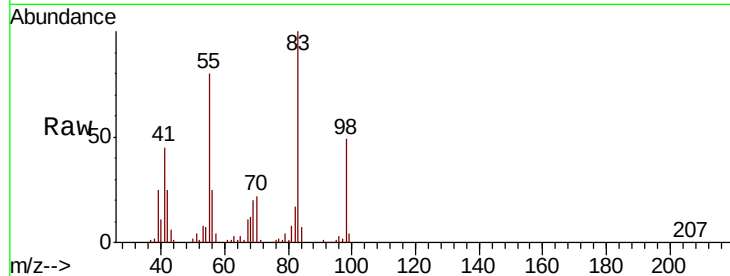




#39
Methylvlcyclohexane
Concen: 19.600 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

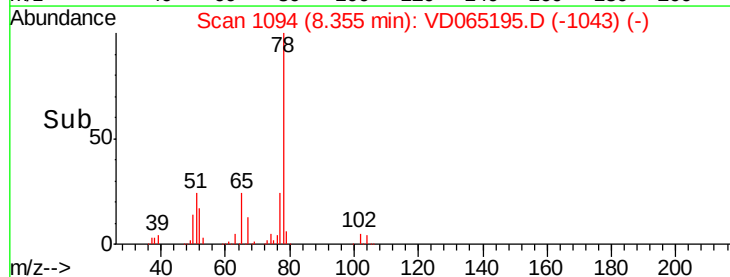
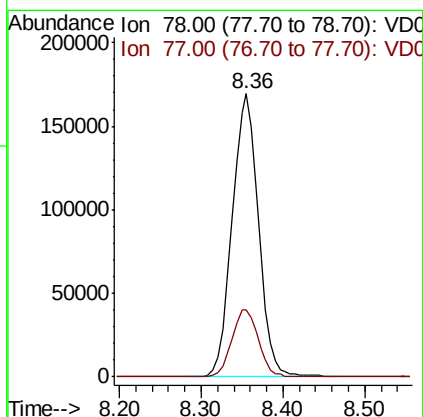
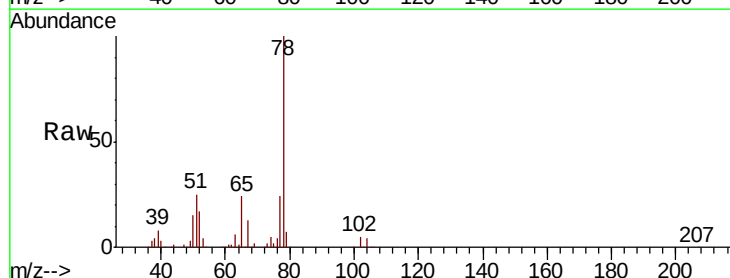
Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

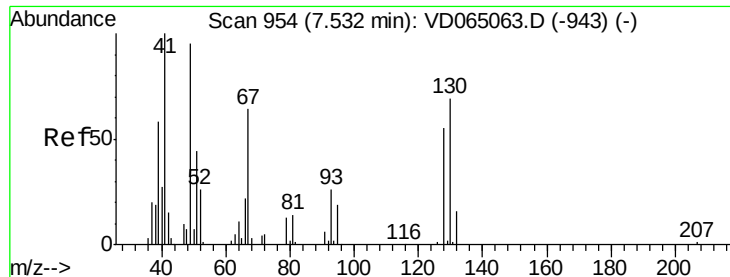
Tot Ion: 83 Resp: 148575
Ion Ratio Lower Upper
83 100
55 79.7 62.0 93.0
98 49.2 39.9 59.9



#40
Benzene
Concen: 22.340 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion: 78 Resp: 378865
Ion Ratio Lower Upper
78 100
77 23.8 19.6 29.4

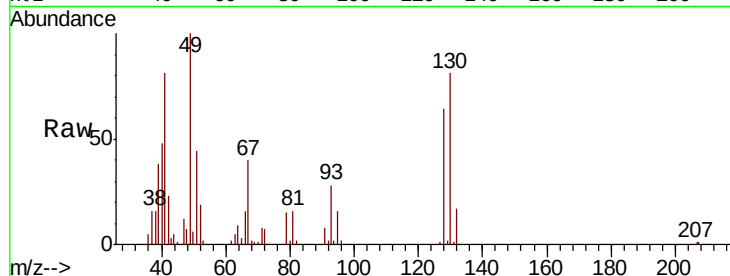




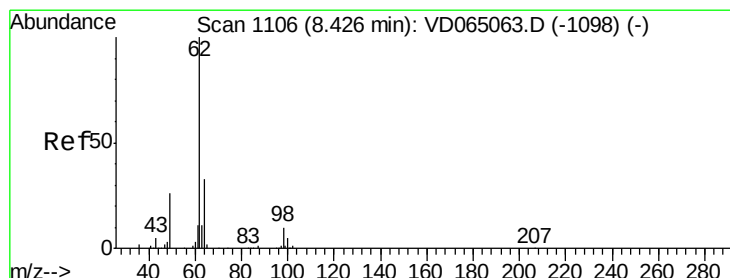
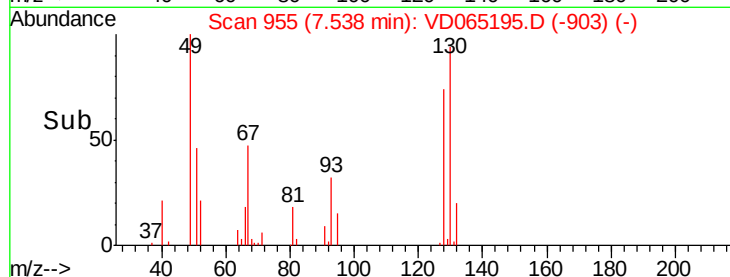
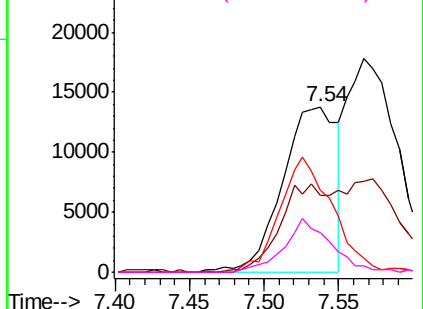
#41
Methacrylonitrile
Concen: 25.433 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

Tot Ion:	41	Resp:	35155
Ion	Ratio	Lower	Upper
41	100		
39	47.0	55.4	83.0#
67	67.6	59.0	88.6
52	27.6	25.4	38.0

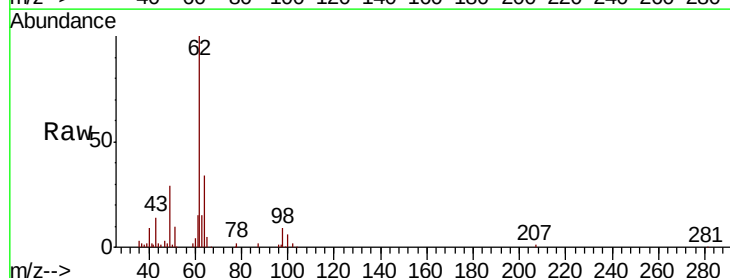


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

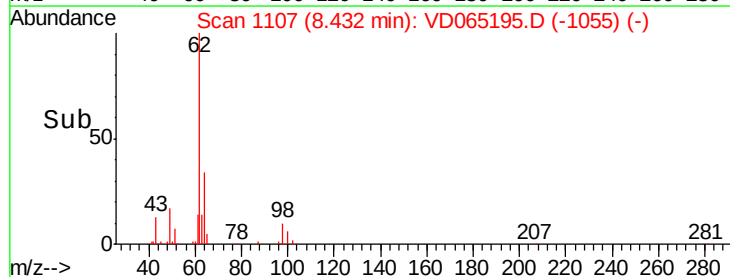
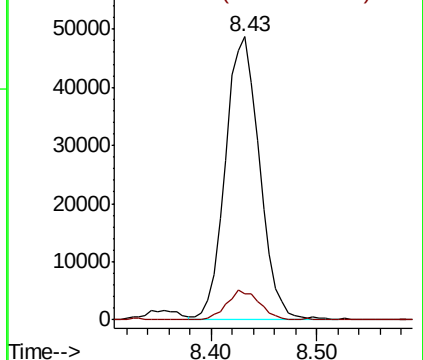


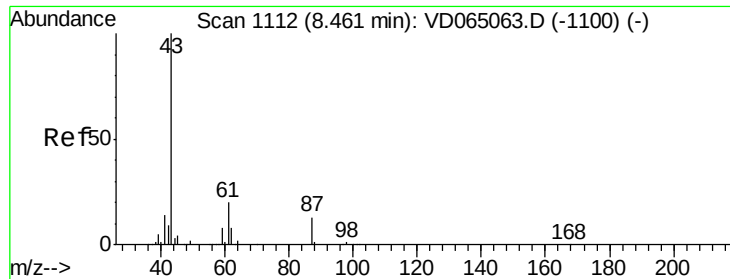
#42
1,2-Dichloroethane
Concen: 22.614 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion:	62	Resp:	109276
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 21.792 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

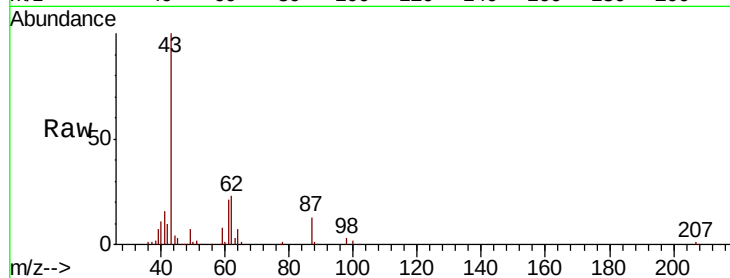
Tot Ion: 43 Resp: 104592

Ion Ratio Lower Upper

43 100

61 31.2 24.0 36.0

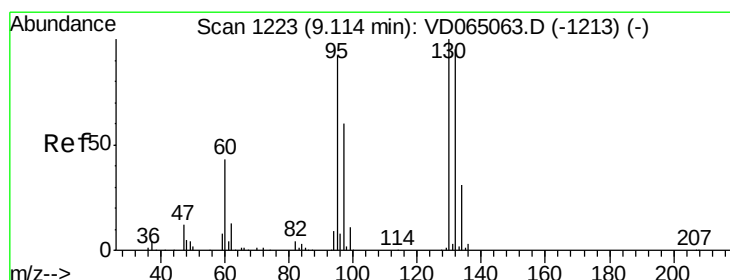
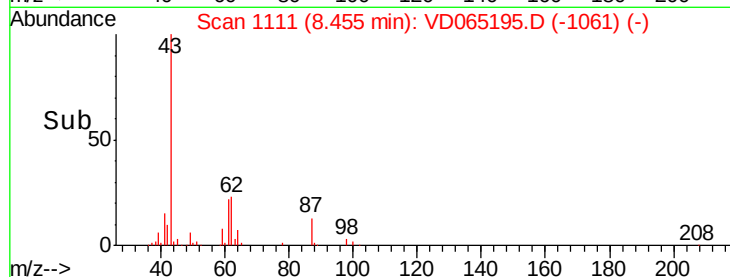
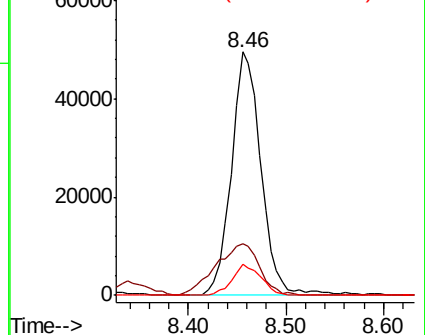
87 12.2 10.2 15.4



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: 21.712 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065195.D

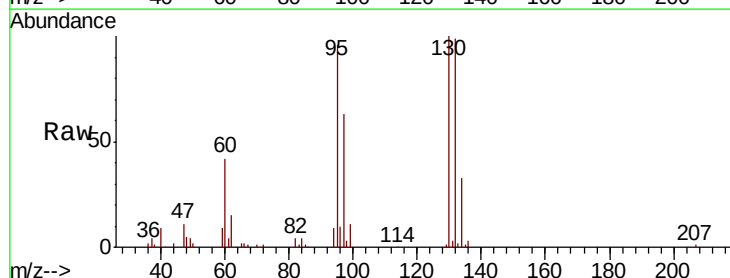
Acq: 17 Feb 2020 14:33

Tgt Ion:130 Resp: 105694

Ion Ratio Lower Upper

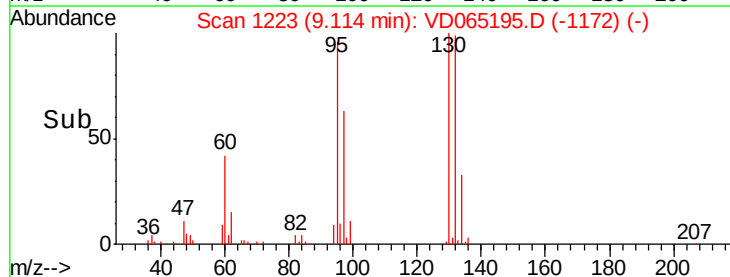
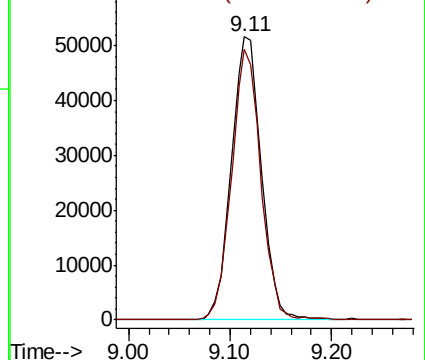
130 100

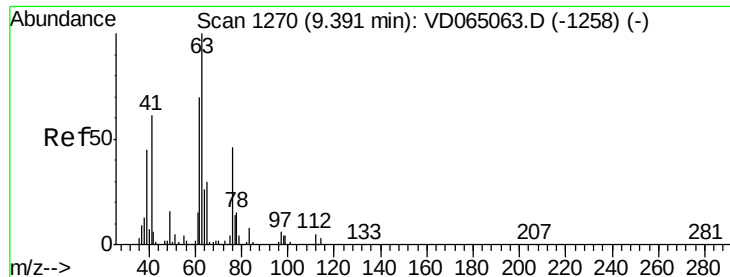
95 95.5 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 23.108 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

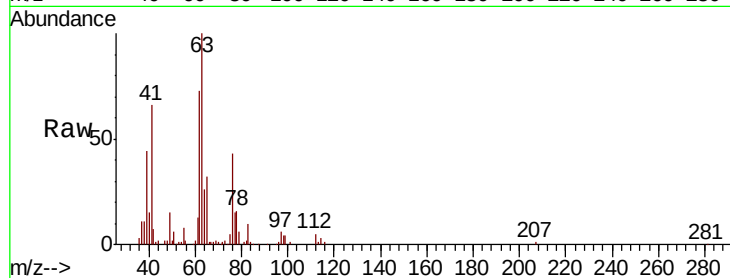
VD0217SBSD01

Tot Ion: 63 Resp: 93963

Ion Ratio Lower Upper

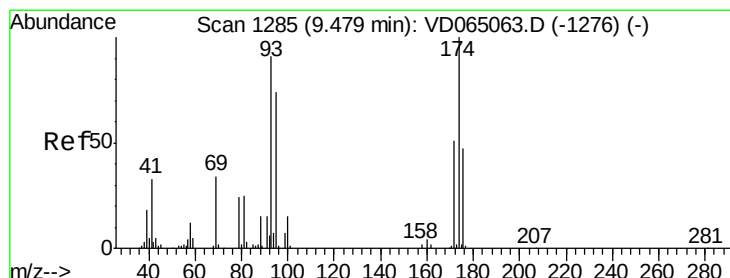
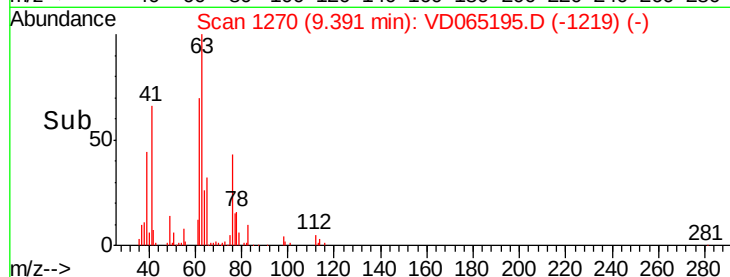
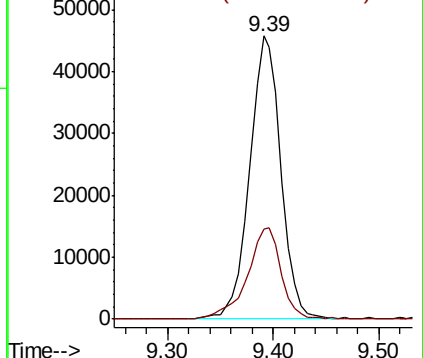
63 100

65 32.0 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 23.261 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

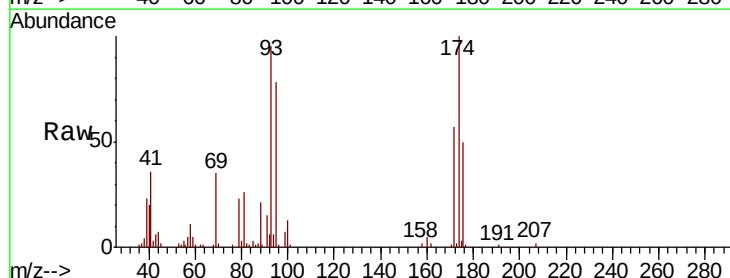
Tgt Ion: 93 Resp: 49701

Ion Ratio Lower Upper

93 100

95 84.0 66.5 99.7

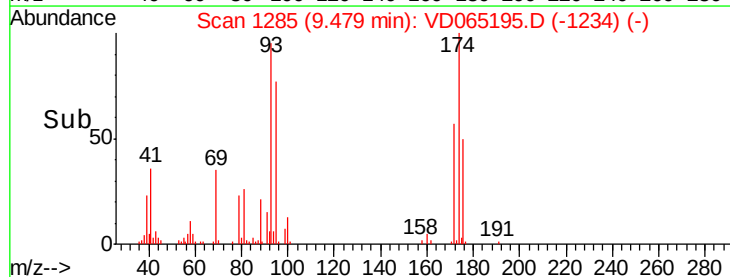
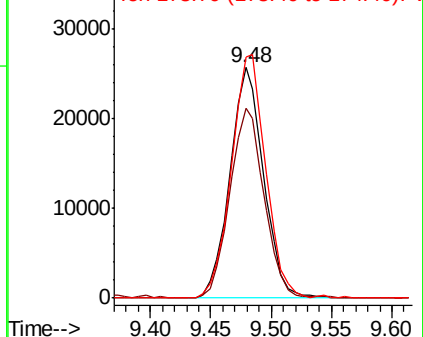
174 107.5 89.8 134.8

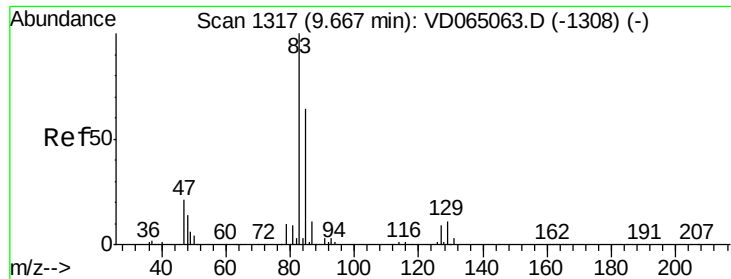


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

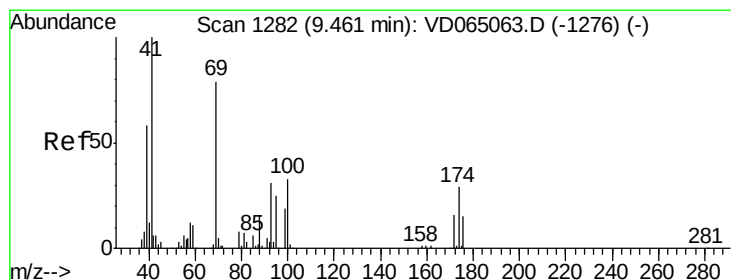
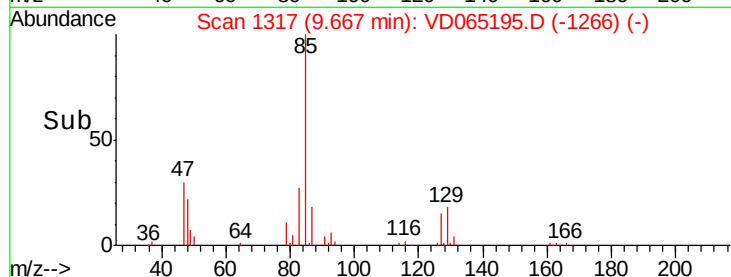
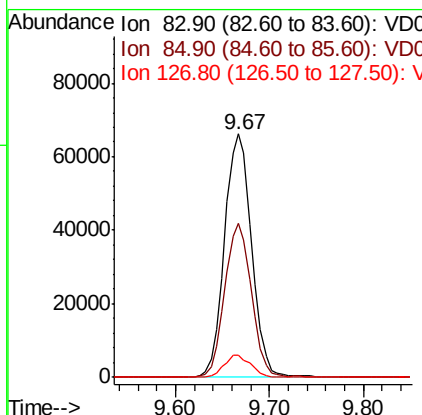
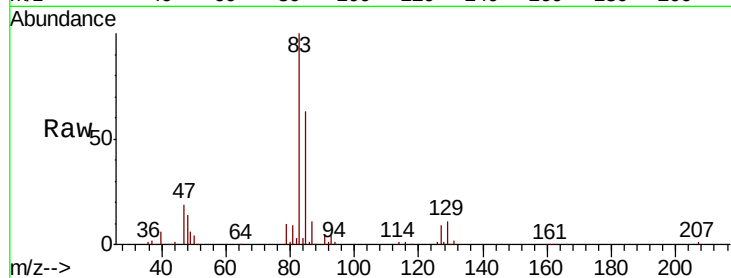




#47
Bromodichloromethane
Concen: 23.519 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

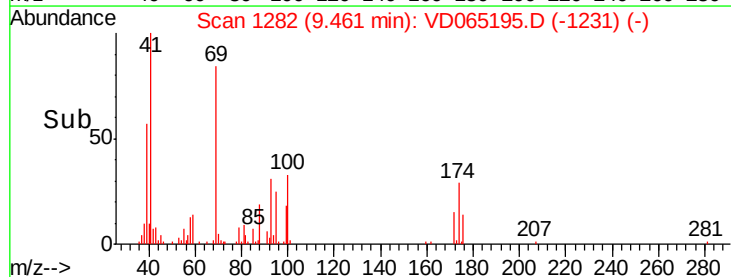
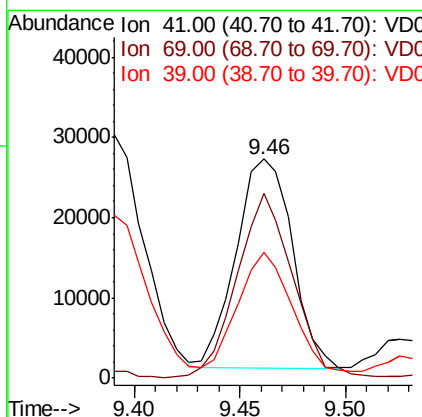
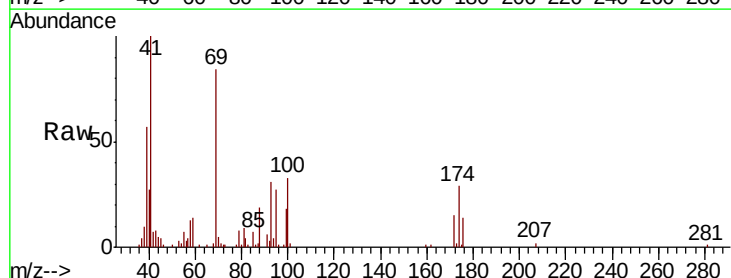
Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

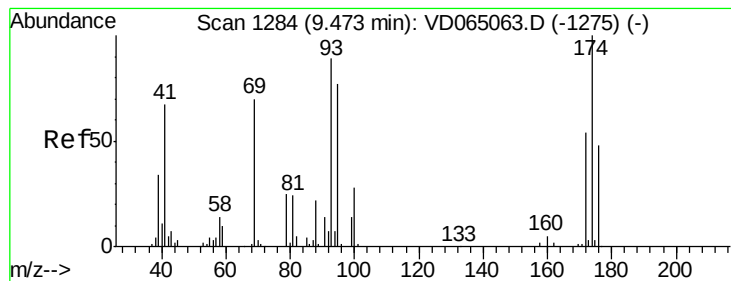
Tot Ion: 83 Resp: 132410
Ion Ratio Lower Upper
83 100
85 63.3 51.0 76.6
127 9.1 7.3 10.9



#48
Methyl methacrylate
Concen: 20.893 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion: 41 Resp: 48253
Ion Ratio Lower Upper
41 100
69 88.8 67.5 101.3
39 59.2 47.0 70.4





#49

1,4-Dioxane

Concen: 480.769 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

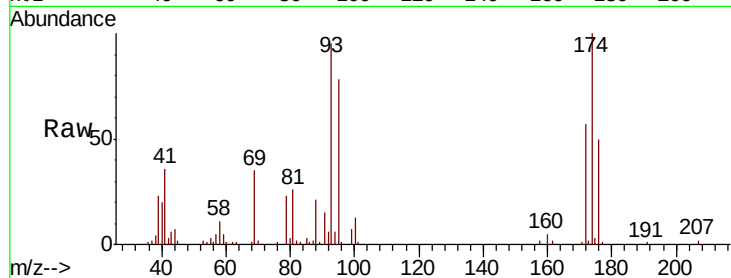
Tot Ion: 88 Resp: 12167

Ion Ratio Lower Upper

88 100

43 35.5 27.7 41.5

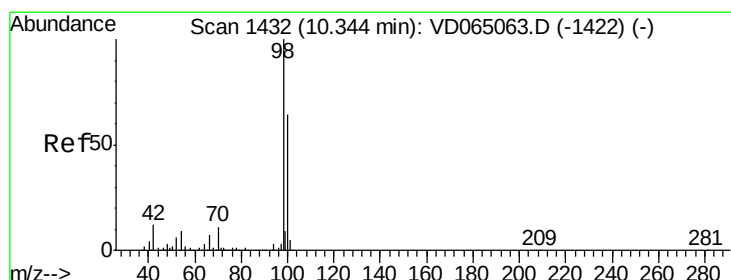
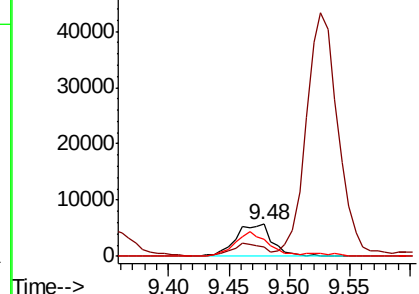
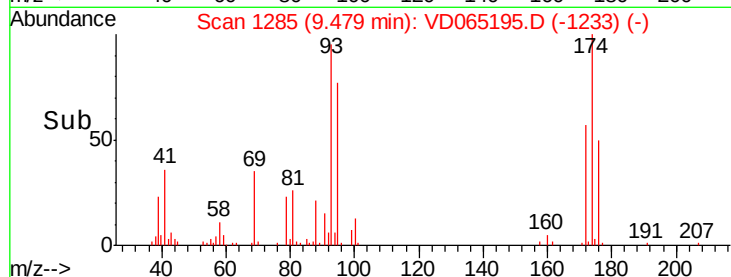
58 68.8 55.5 83.3



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 56.587 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065195.D

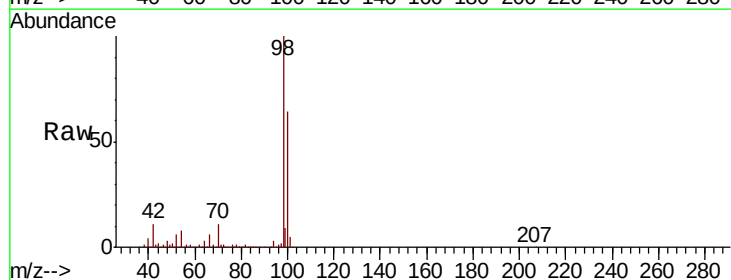
Acq: 17 Feb 2020 14:33

Tgt Ion: 98 Resp: 829986

Ion Ratio Lower Upper

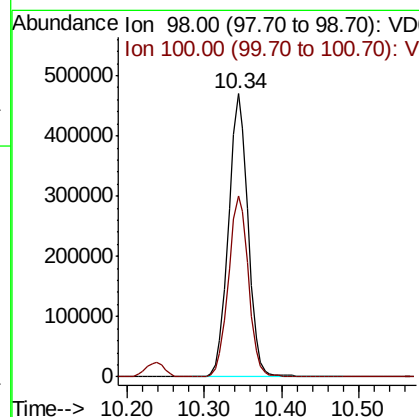
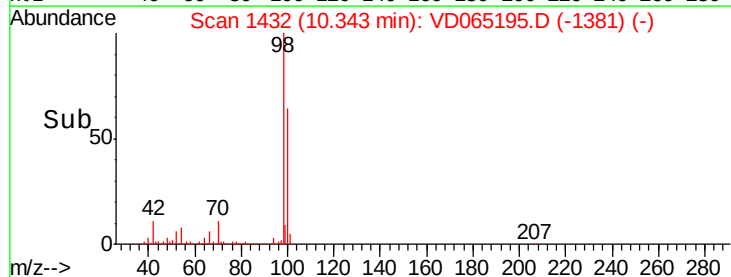
98 100

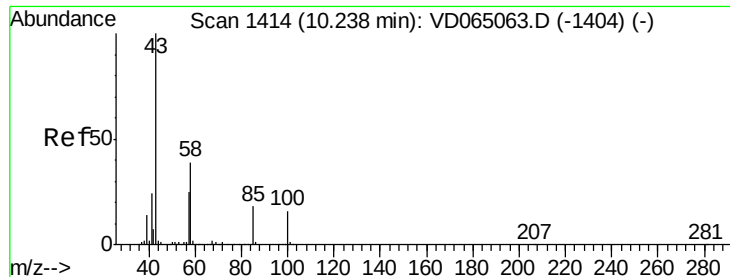
100 65.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

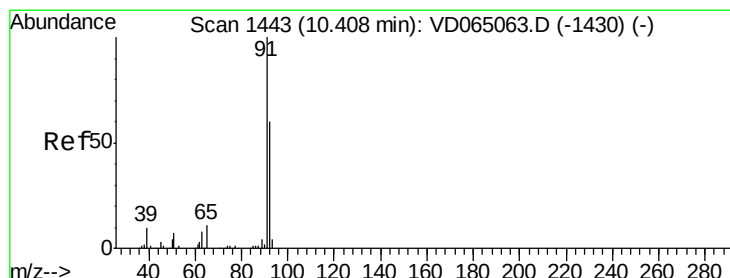
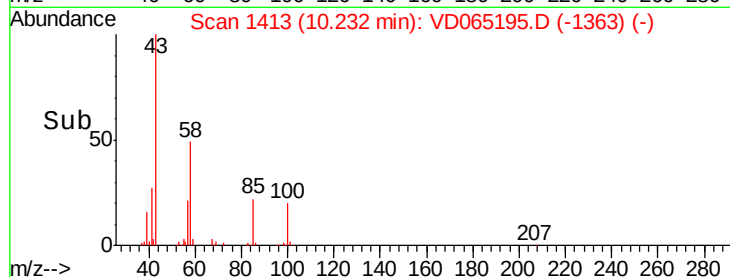
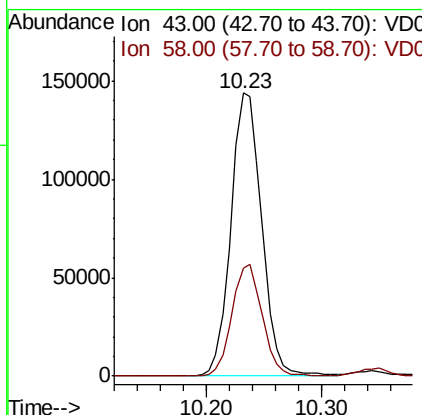
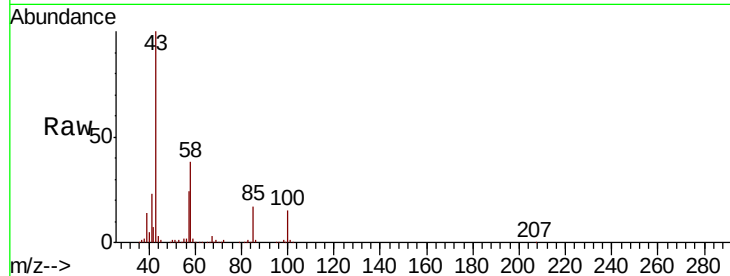




#51
 4-Methyl-2-Pentanone
 Concen: 112.516 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

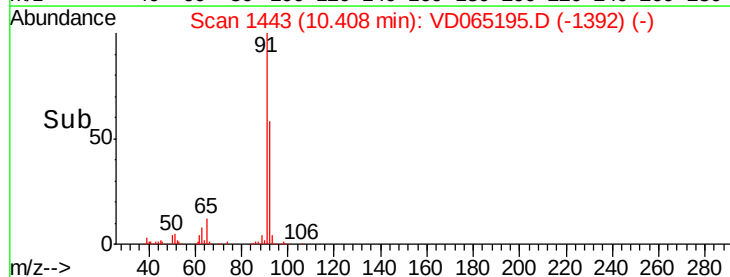
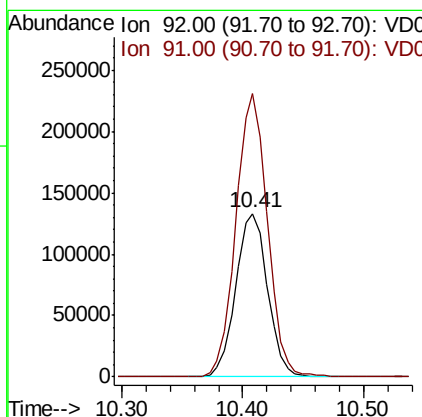
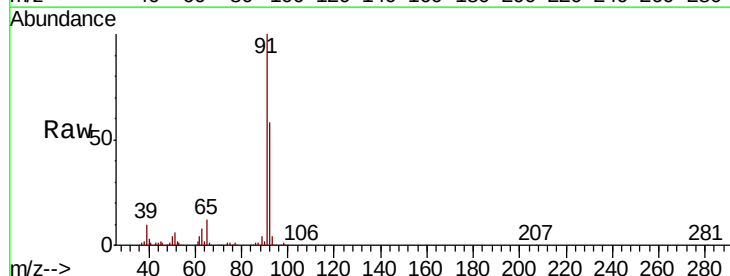
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

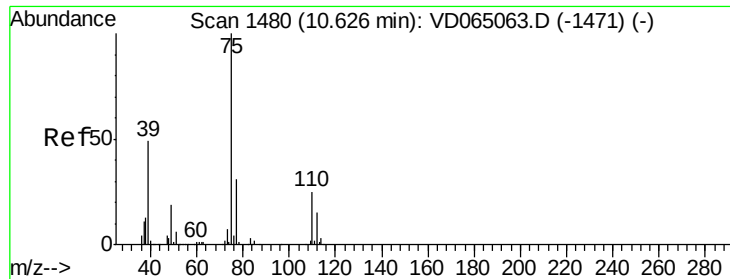
Tot Ion: 43 Resp: 265807
 Ion Ratio Lower Upper
 43 100
 58 38.9 30.2 45.2



#52
 Toluene
 Concen: 22.641 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion: 92 Resp: 245064
 Ion Ratio Lower Upper
 92 100
 91 171.8 135.3 202.9





#53

t-1,3-Dichloropropene

Concen: 22.375 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

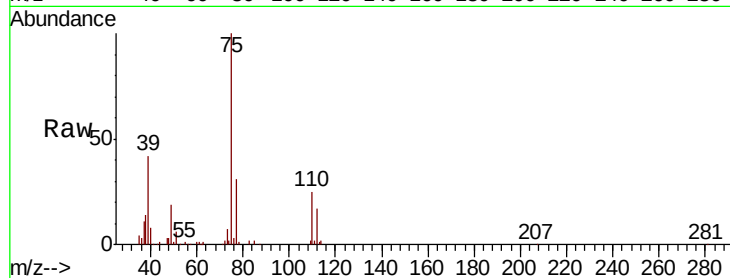
VD0217SBSD01

Tot Ion: 75 Resp: 122646

Ion Ratio Lower Upper

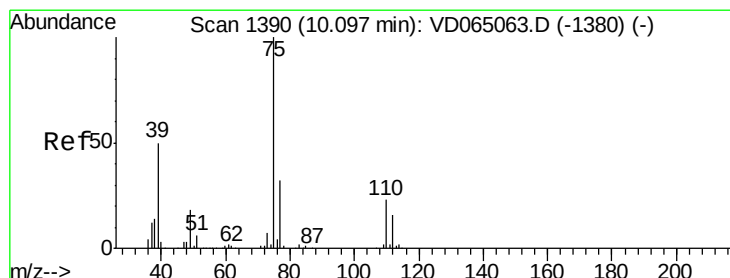
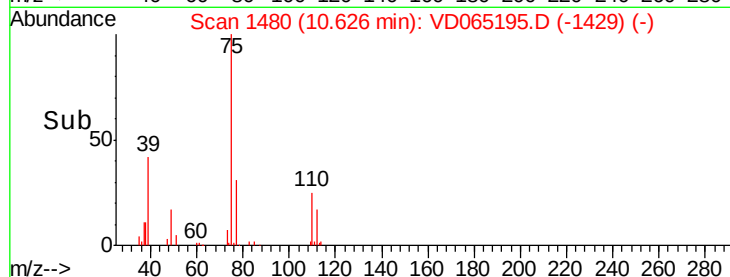
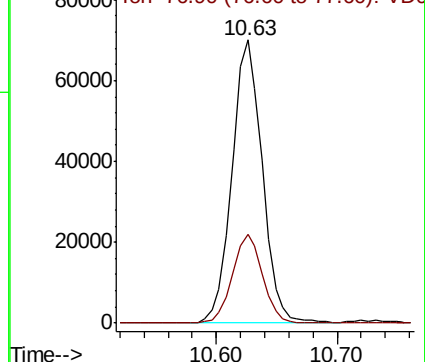
75 100

77 31.2 24.9 37.3



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: 22.033 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

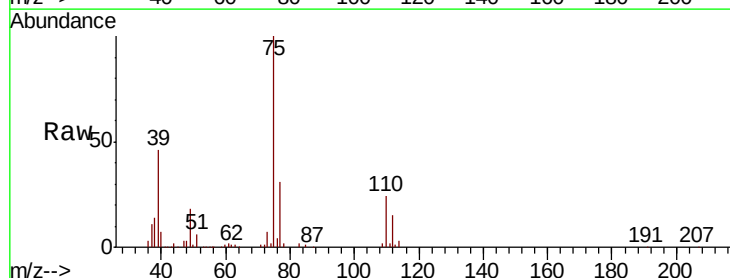
Tgt Ion: 75 Resp: 144446

Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9

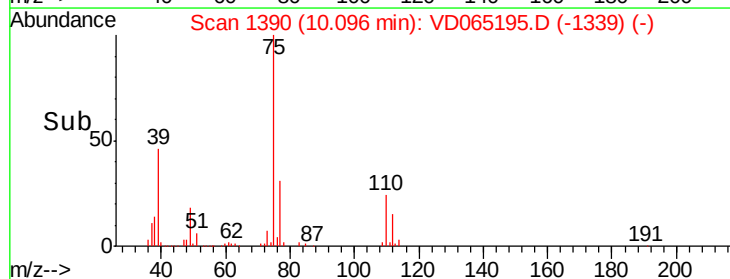
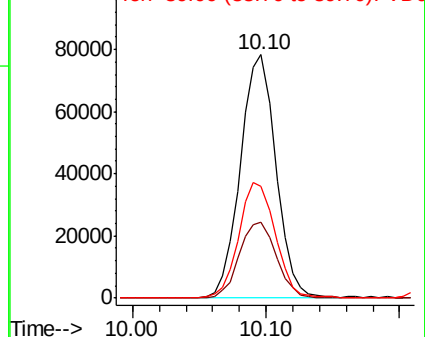
39 46.1 40.3 60.5

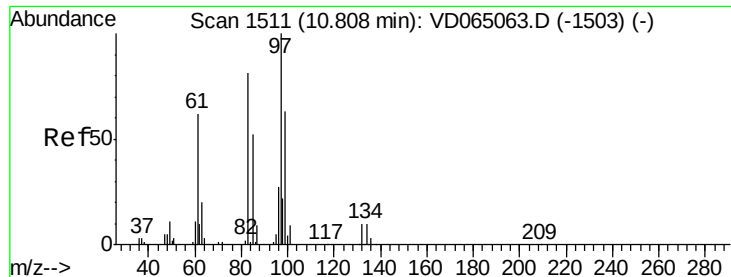


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

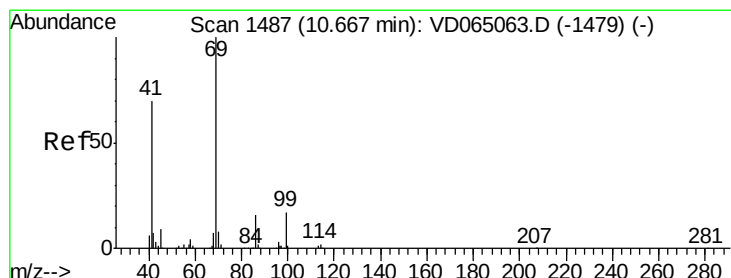
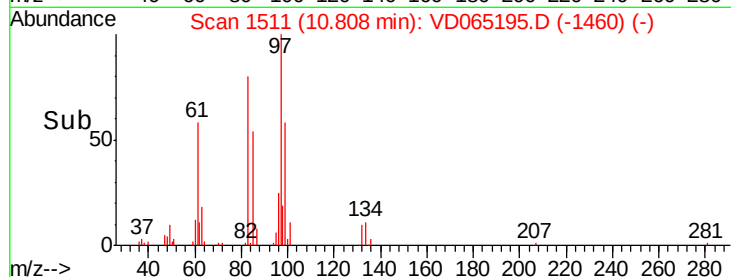
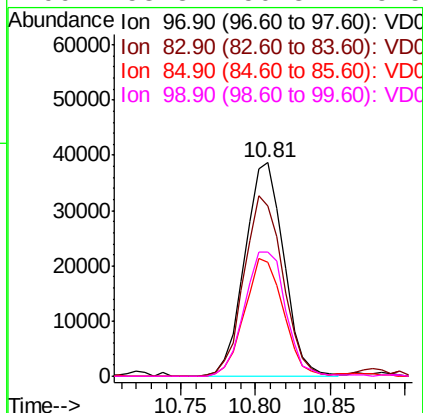
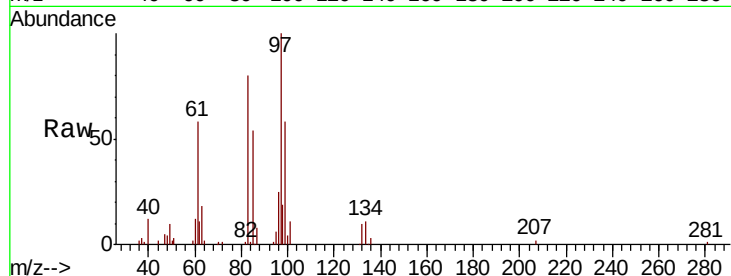




#55
 1,1,2-Trichloroethane
 Concen: 23.843 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

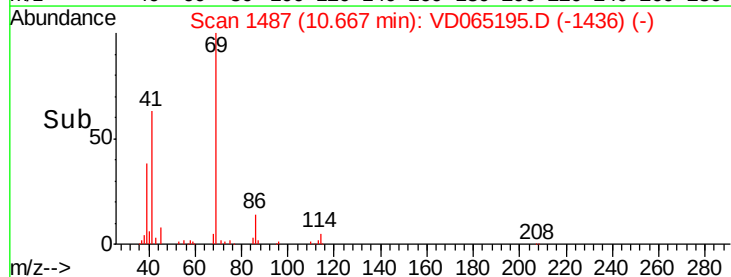
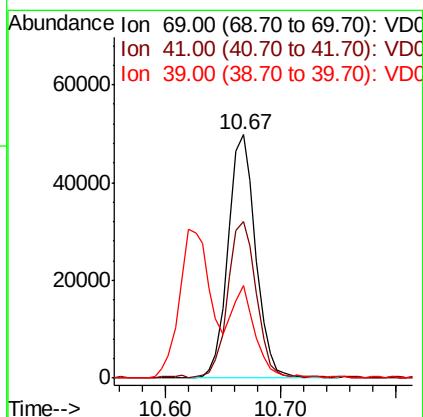
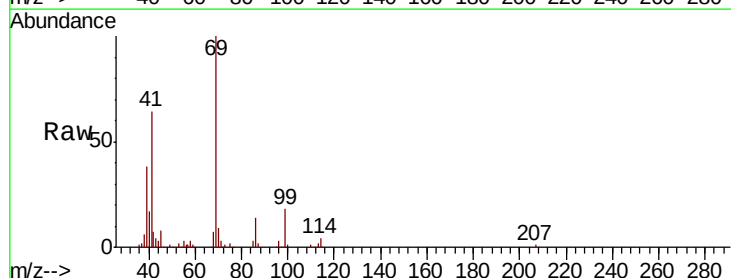
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBSD01

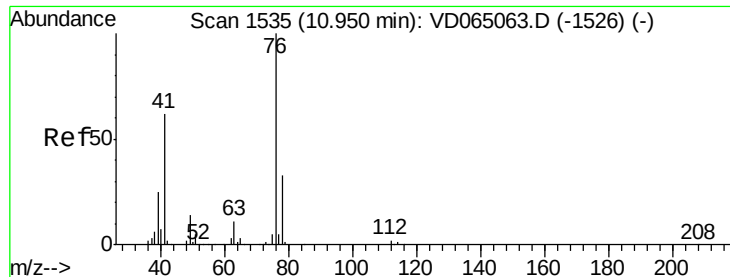
Tot Ion:	97	Resp:	69878
Ion	Ratio	Lower	Upper
97	100		
83	79.6	64.8	97.2
85	53.5	41.2	61.8
99	58.3	50.3	75.5



#56
 Ethyl methacrylate
 Concen: 22.275 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion:	69	Resp:	82599
Ion	Ratio	Lower	Upper
69	100		
41	65.6	55.9	83.9
39	33.5	29.4	44.0





#57

1,3-Dichloropropane

Concen: 23.396 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

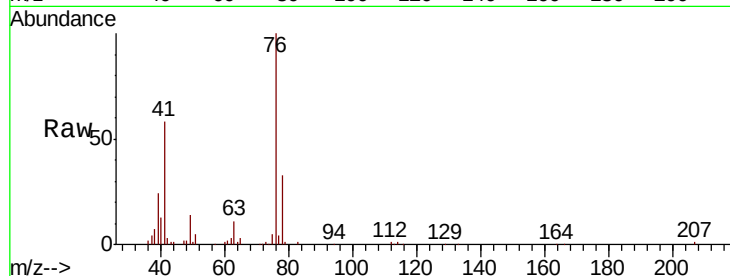
VD0217SBS01

Tot Ion: 76 Resp: 120571

Ion Ratio Lower Upper

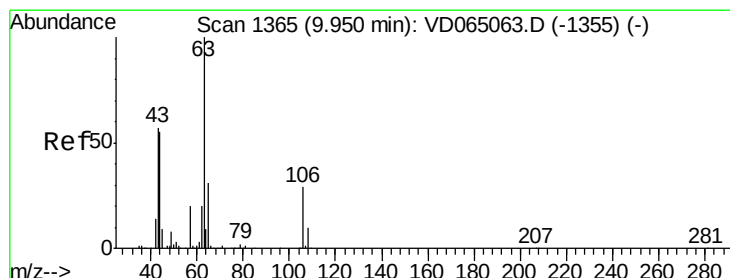
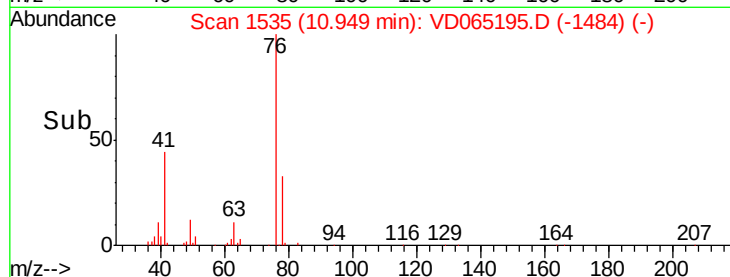
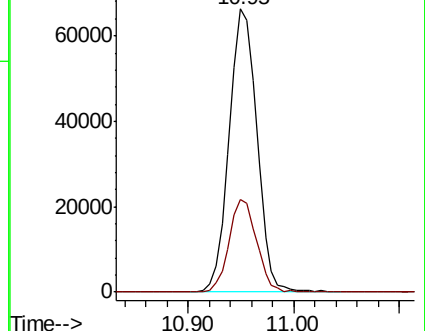
76 100

78 32.4 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VD065063.D (-1526) (-)

Ion 77.90 (77.60 to 78.60): VD065063.D (-1526) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 92.464 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065195.D

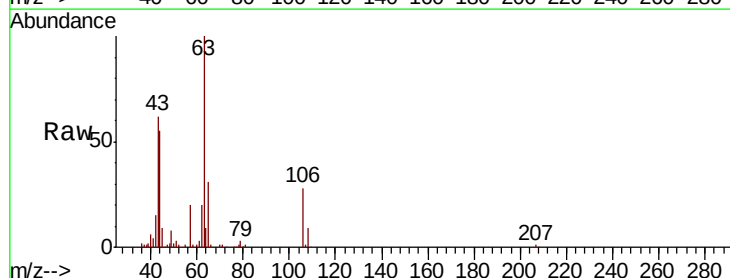
Acq: 17 Feb 2020 14:33

Tgt Ion: 63 Resp: 125133

Ion Ratio Lower Upper

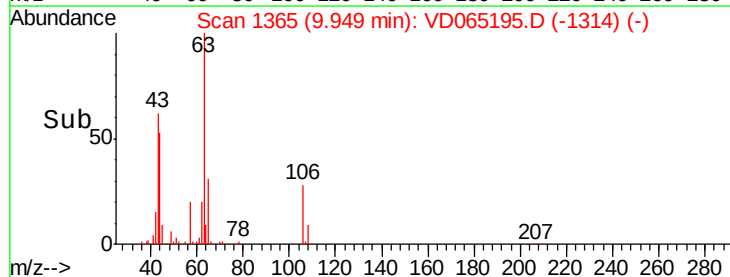
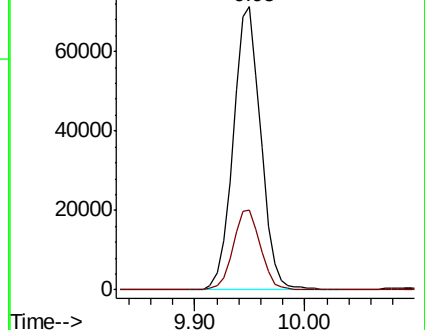
63 100

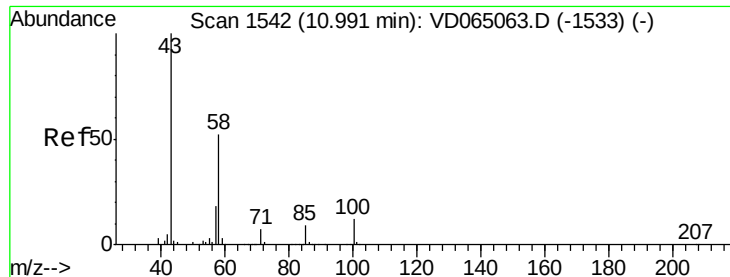
106 28.1 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VD065063.D (-1355) (-)

Ion 105.90 (105.60 to 106.60): VD065063.D (-1355) (-)

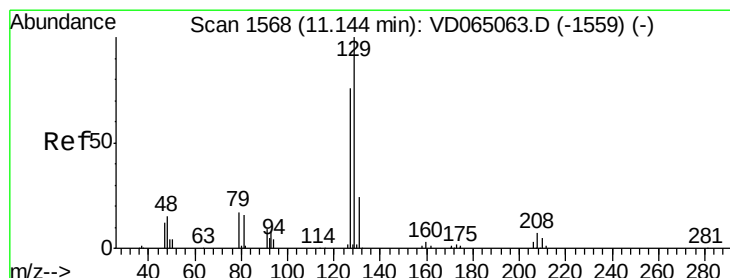
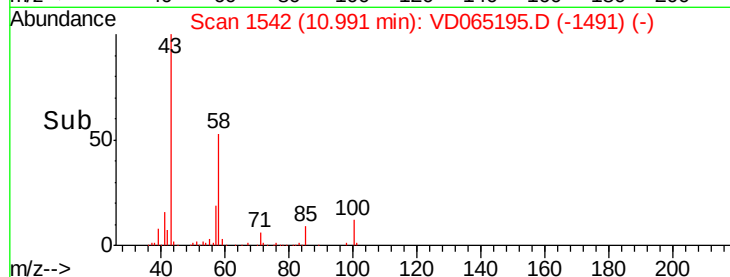
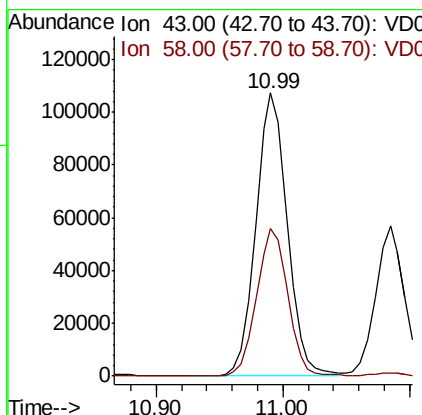
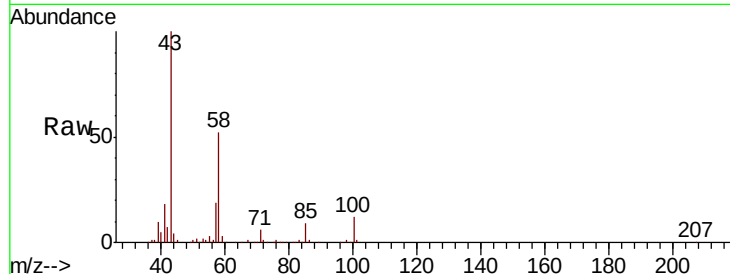




#59
2-Hexanone
Concen: 110.723 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

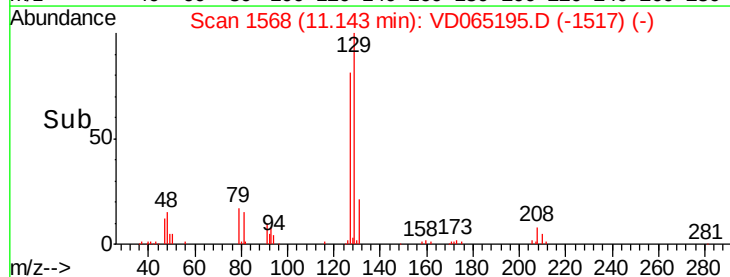
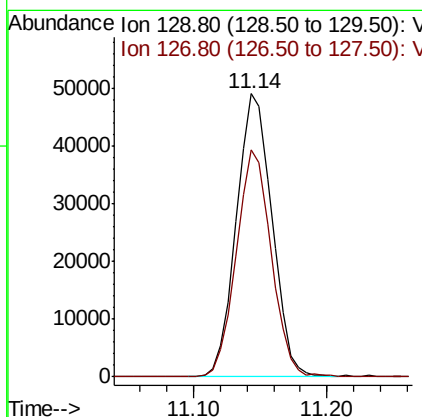
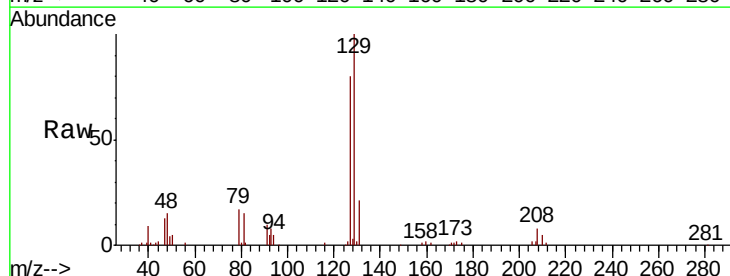
Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

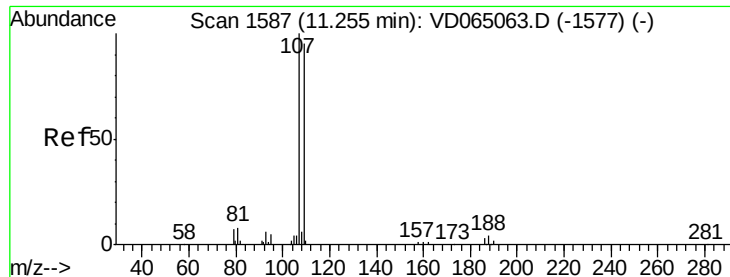
Tot Ion: 43 Resp: 185276
Ion Ratio Lower Upper
43 100
58 52.0 26.2 78.6



#60
Dibromochloromethane
Concen: 23.886 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion: 129 Resp: 90672
Ion Ratio Lower Upper
129 100
127 78.6 38.3 114.9

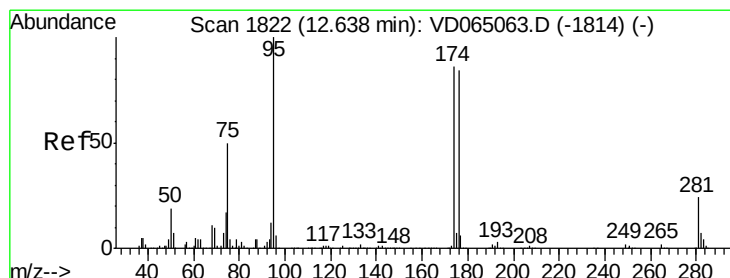
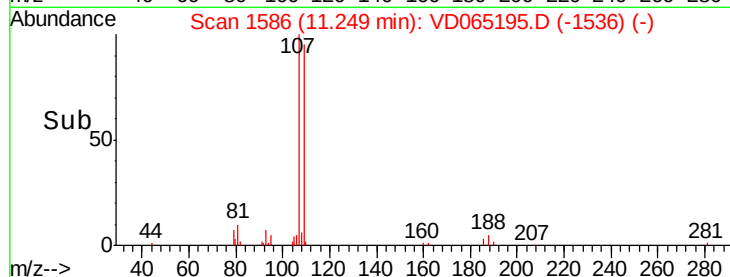
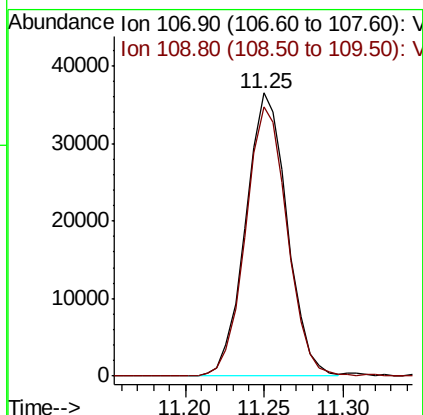
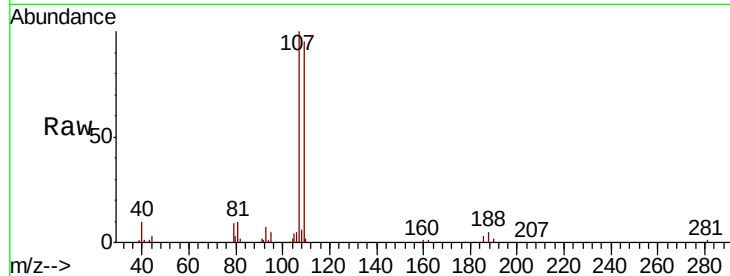




#61
1,2-Dibromoethane
Concen: 23.188 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

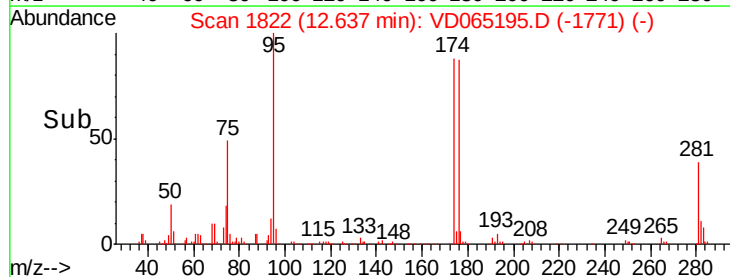
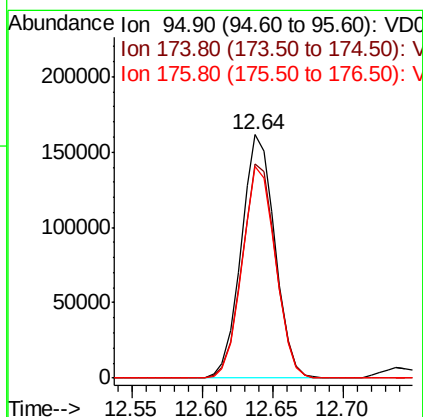
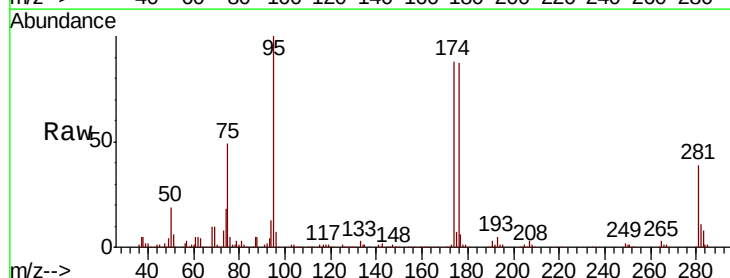
Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

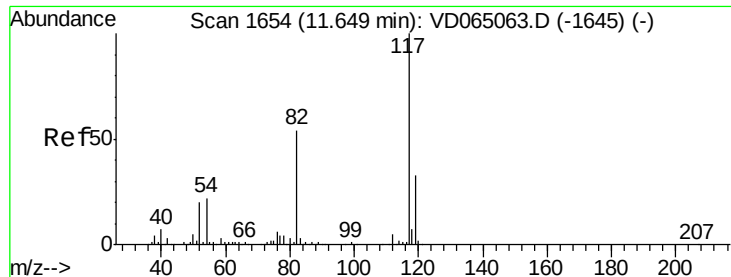
Tot Ion:107 Resp: 66402
Ion Ratio Lower Upper
107 100
109 95.4 75.5 113.3



#62
4-Bromofluorobenzene
Concen: 57.926 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion: 95 Resp: 269214
Ion Ratio Lower Upper
95 100
174 88.2 0.0 180.0
176 86.4 0.0 173.2

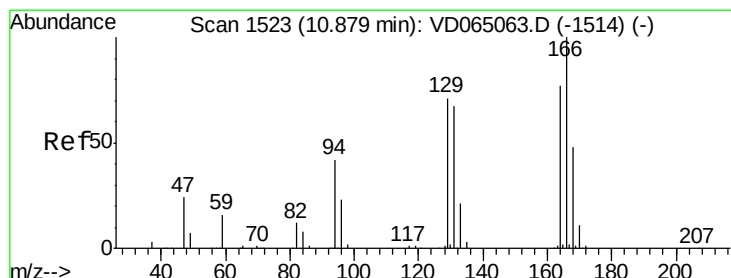
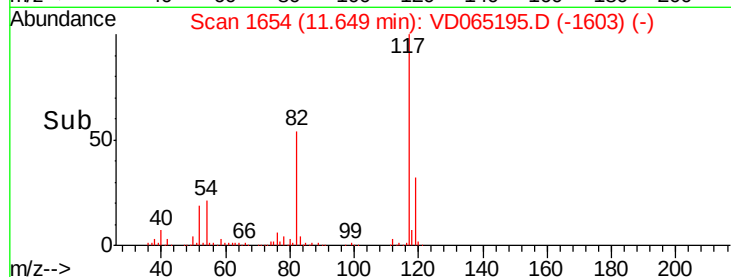
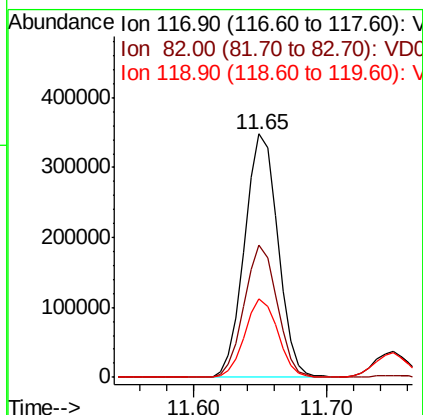
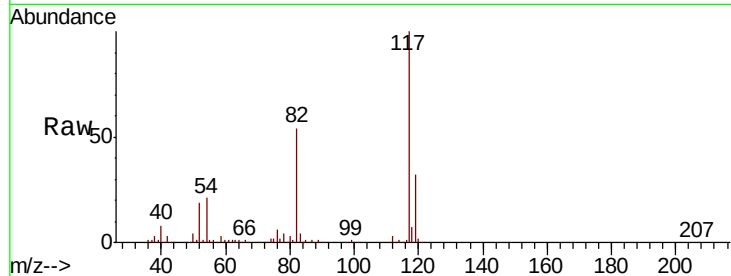




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

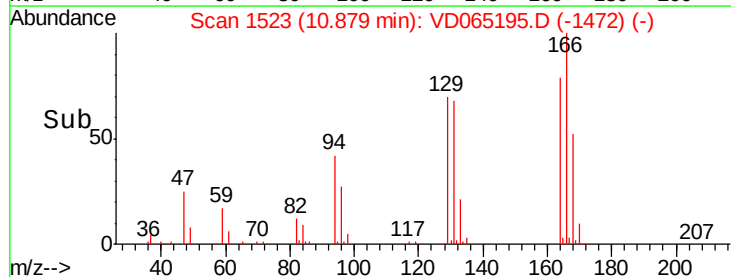
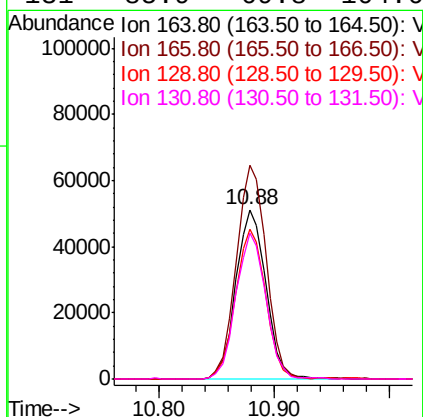
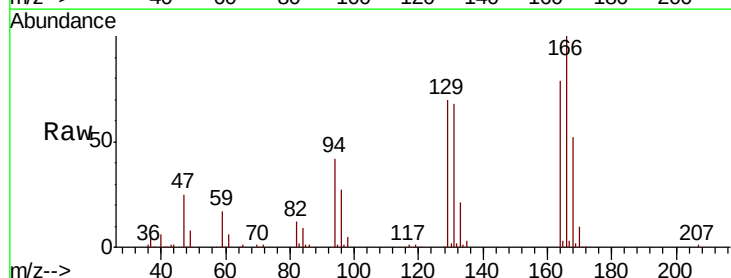
Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

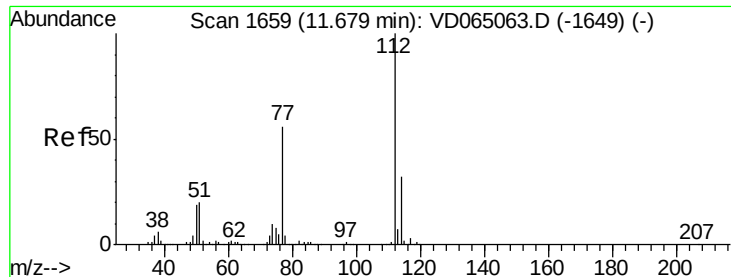
Tot Ion:117 Resp: 601832
Ion Ratio Lower Upper
117 100
82 54.3 43.1 64.7
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 21.317 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion:164 Resp: 92186
Ion Ratio Lower Upper
164 100
166 126.2 103.5 155.3
129 88.2 73.3 109.9
131 85.9 69.8 104.6

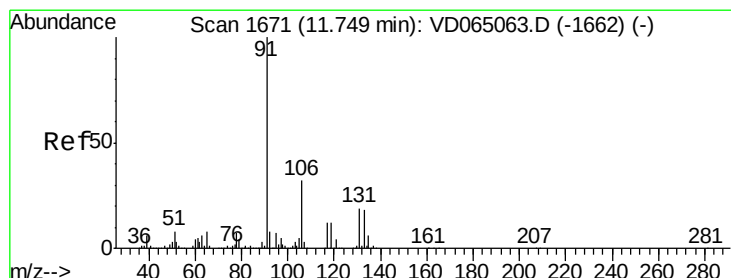
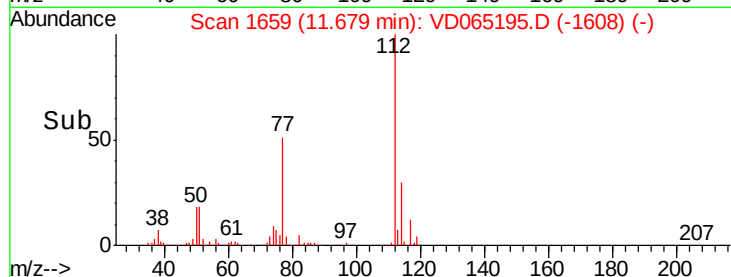
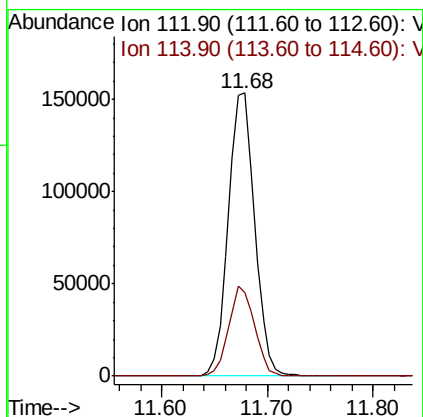
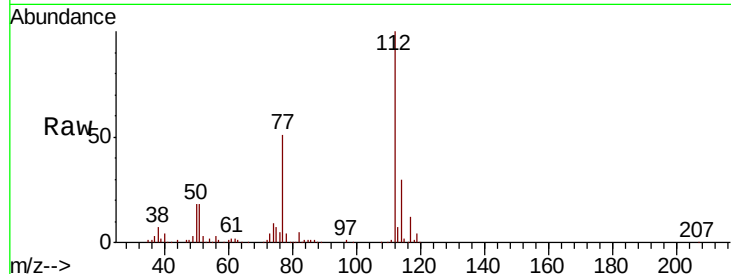




#65
Chlorobenzene
Concen: 22.730 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

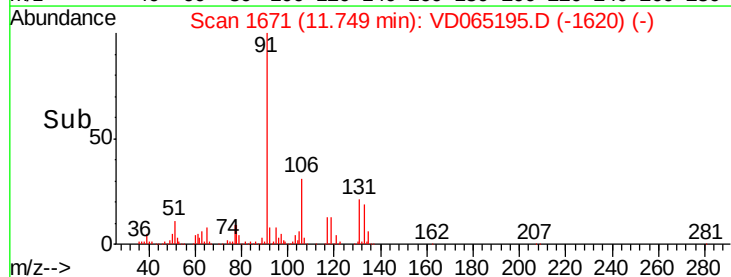
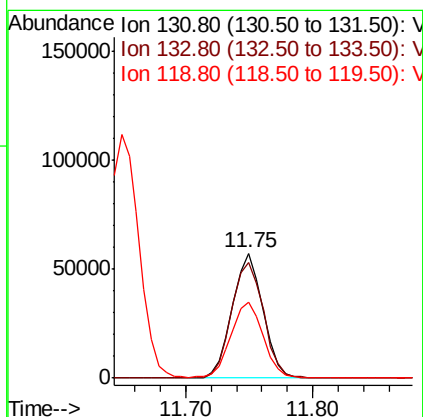
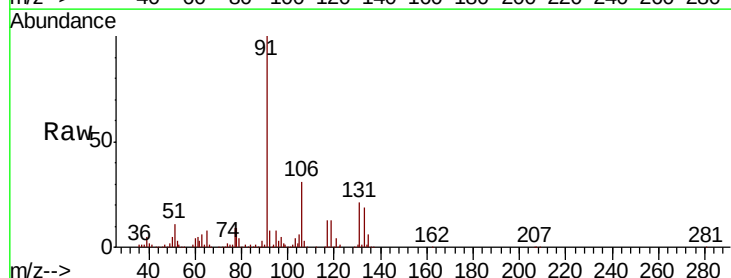
Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

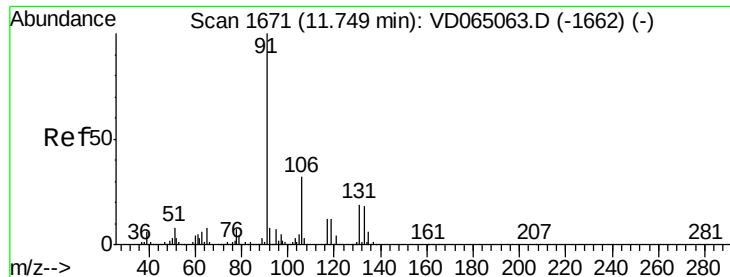
Tot Ion:112 Resp: 264590
Ion Ratio Lower Upper
112 100
114 29.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.445 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion:131 Resp: 96427
Ion Ratio Lower Upper
131 100
133 96.6 47.7 143.1
119 64.1 31.3 93.8

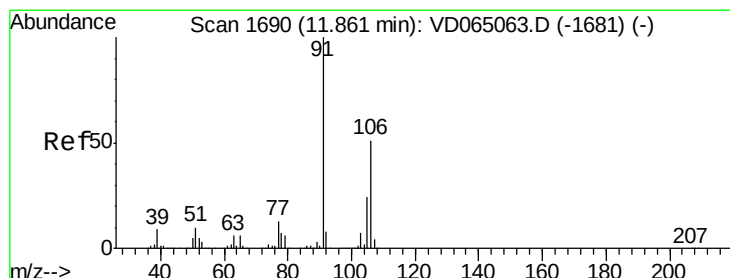
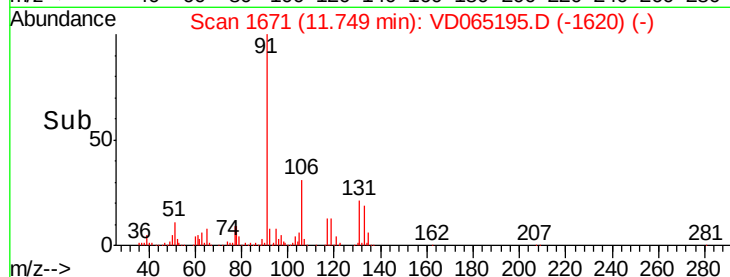
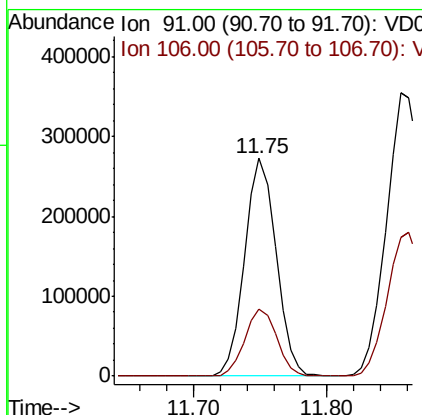
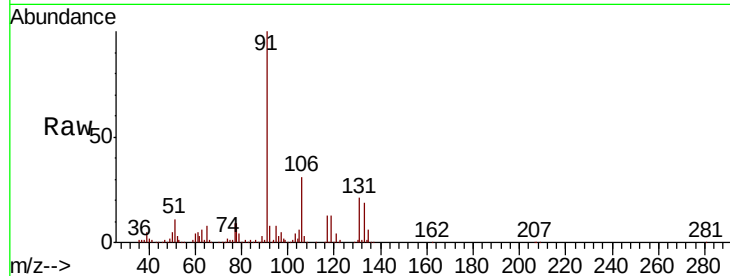




#67
Ethyl Benzene
Concen: 21.095 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

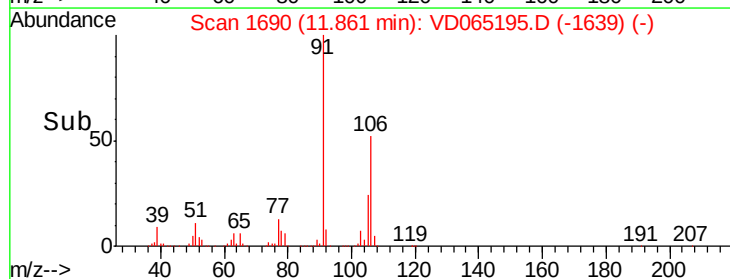
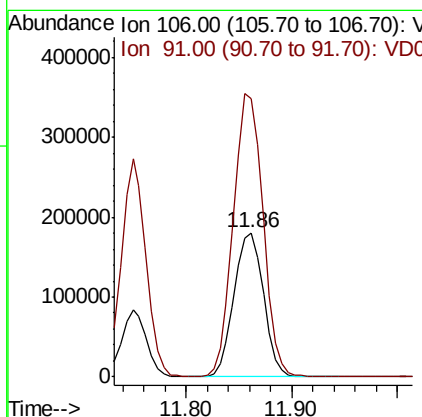
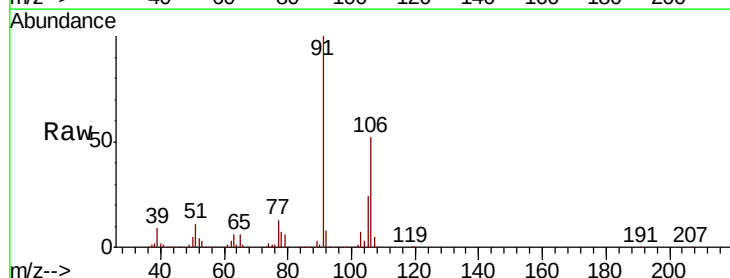
Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

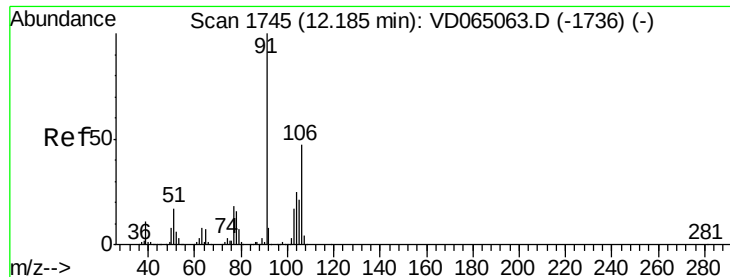
Tot Ion: 91 Resp: 446128
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.2



#68
m/p-Xylenes
Concen: 43.337 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion: 106 Resp: 349801
Ion Ratio Lower Upper
106 100
91 197.7 158.9 238.3

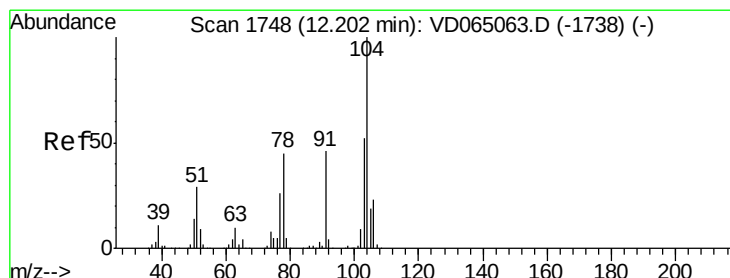
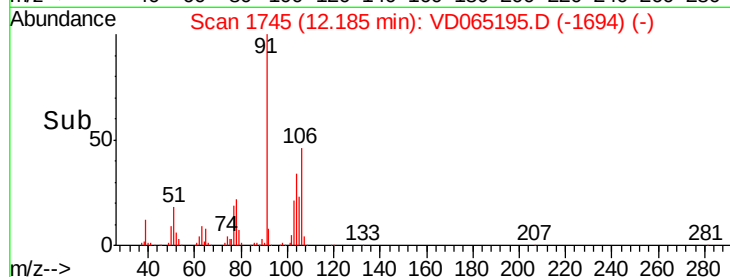
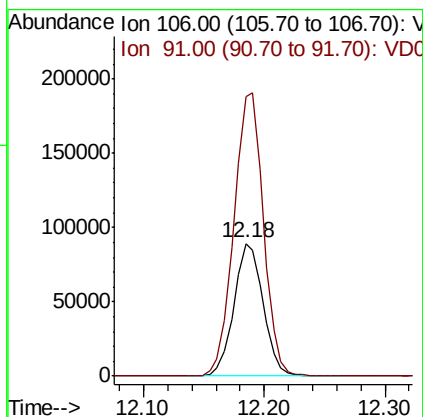
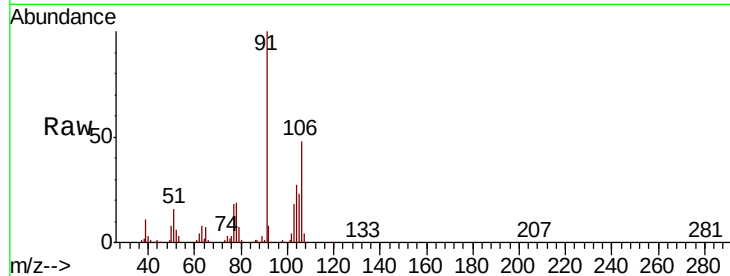




#69
o-Xylene
Concen: 20.693 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

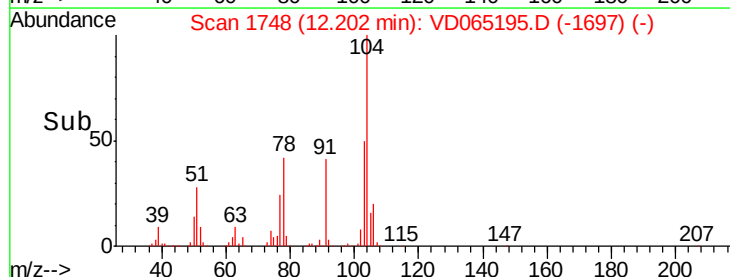
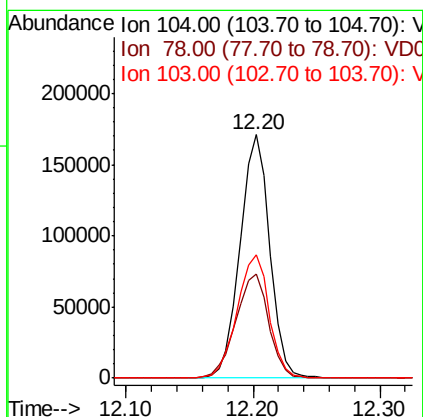
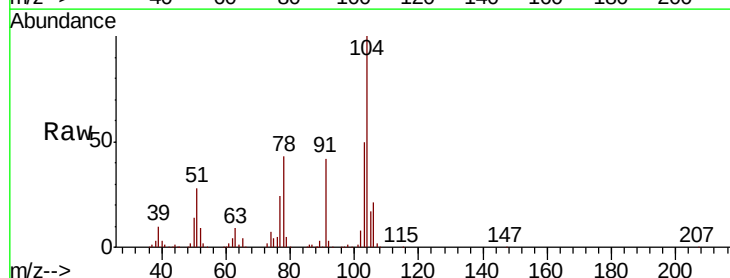
Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

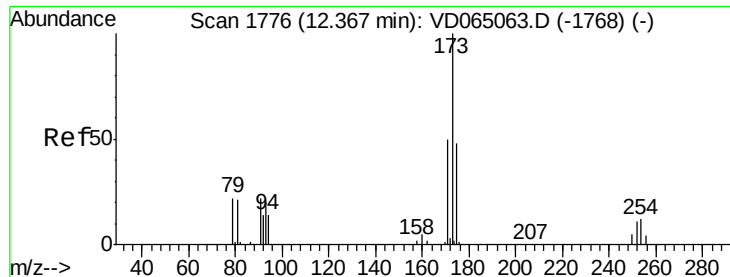
Tot Ion:106 Resp: 150409
Ion Ratio Lower Upper
106 100
91 215.9 104.7 313.9



#70
Styrene
Concen: 21.997 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion:104 Resp: 277898
Ion Ratio Lower Upper
104 100
78 47.4 38.5 57.7
103 54.6 43.8 65.8





#71

Bromoform

Concen: 22.601 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

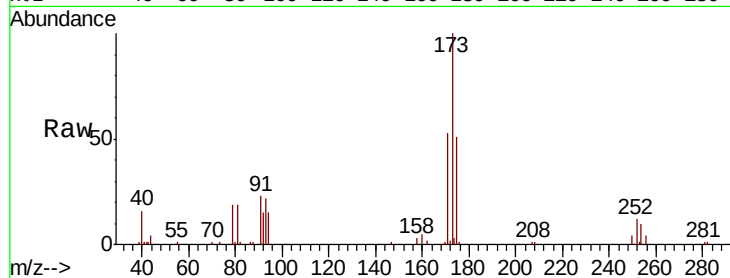
Tot Ion:173 Resp: 52263

Ion Ratio Lower Upper

173 100

175 50.0 24.3 72.8

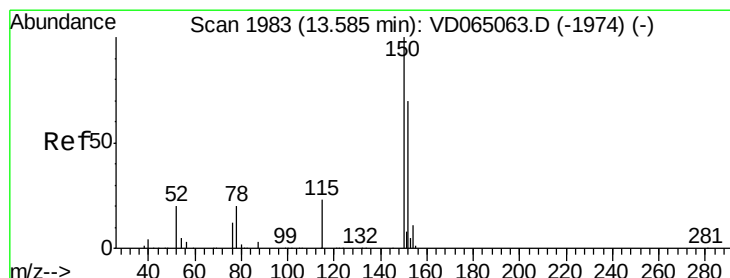
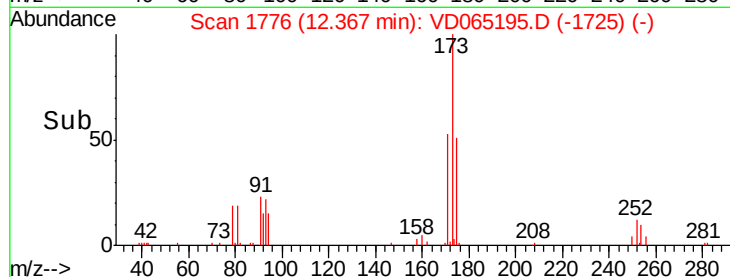
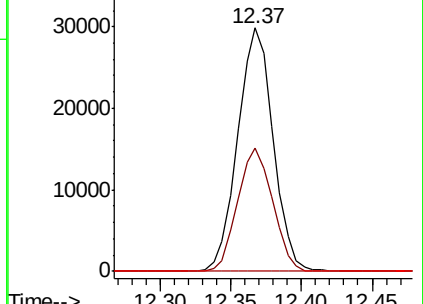
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

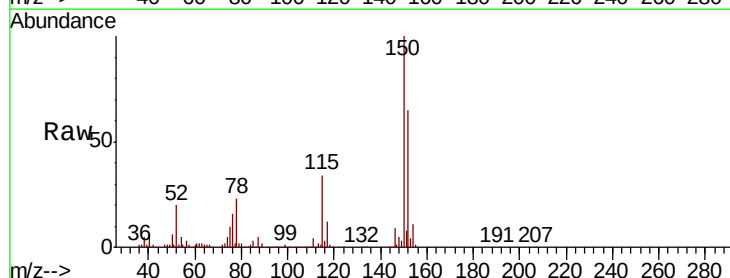
Tgt Ion:152 Resp: 304370

Ion Ratio Lower Upper

152 100

115 54.9 27.5 82.4

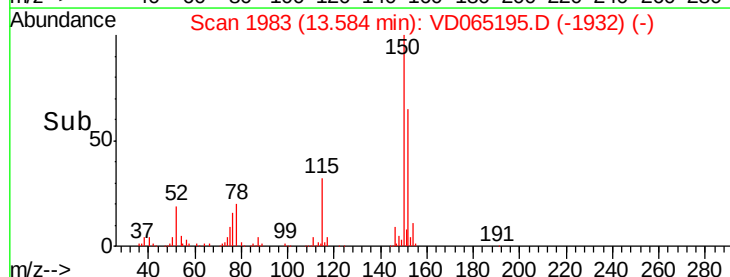
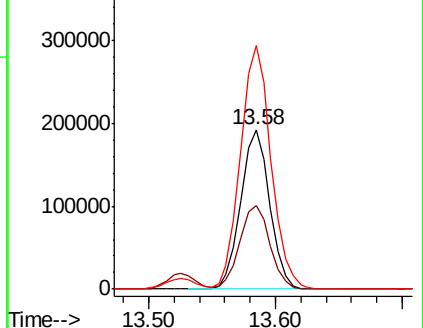
150 161.5 0.0 343.2

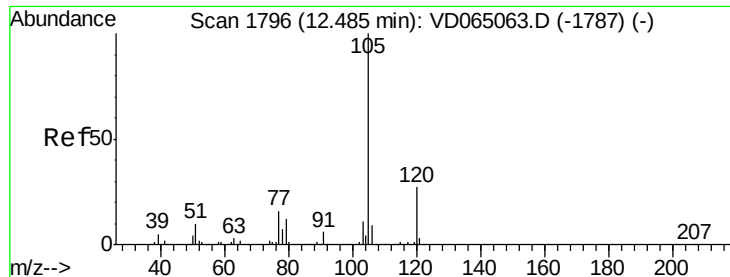


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.179 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

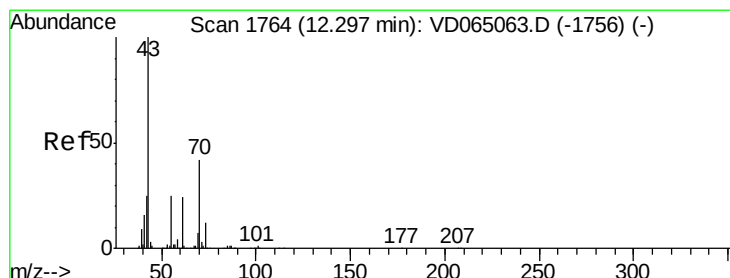
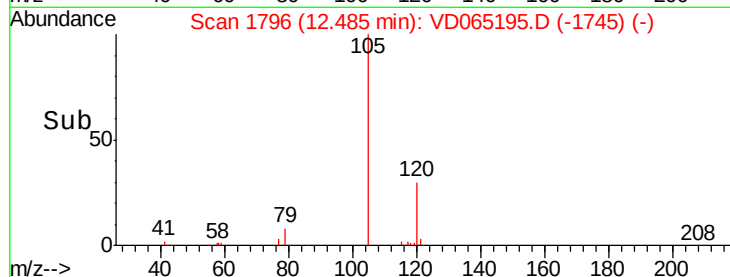
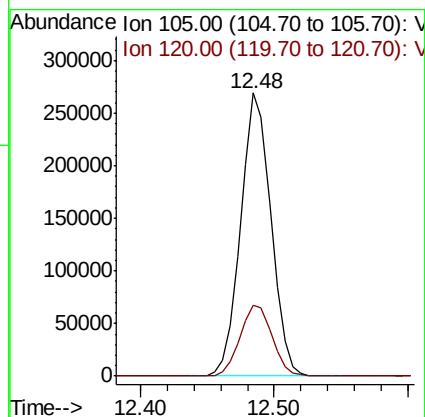
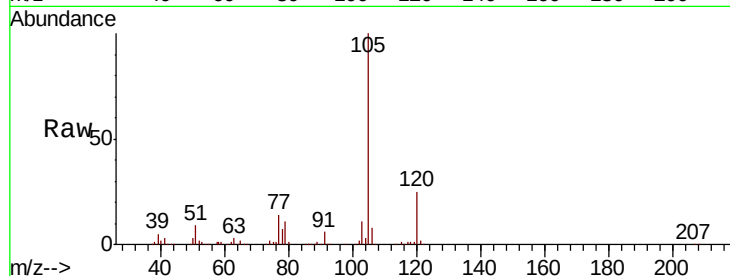
VD0217SBSD01

Tot Ion:105 Resp: 421562

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



#74

N-ethyl acetate

Concen: 20.495 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Tgt Ion: 43 Resp: 93062

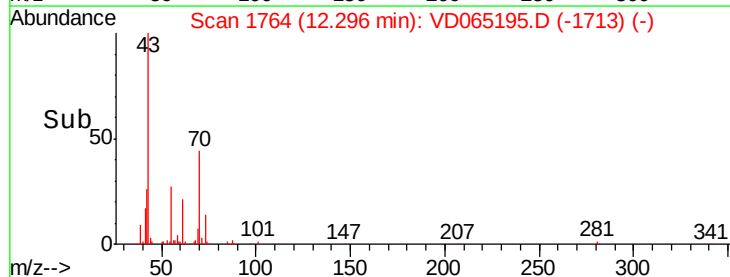
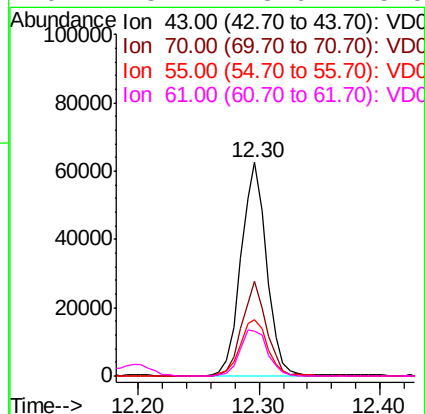
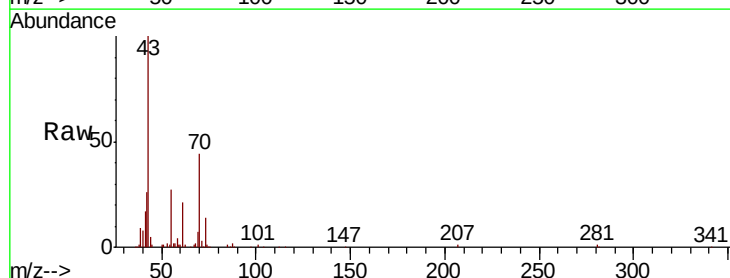
Ion Ratio Lower Upper

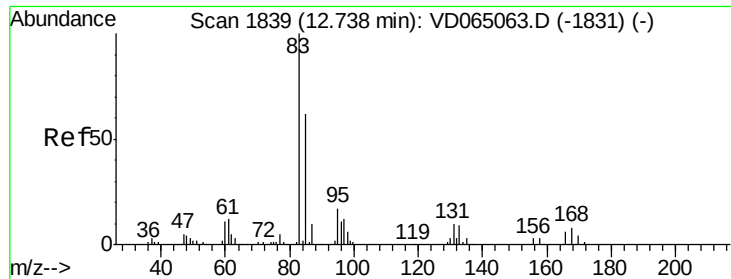
43 100

70 42.1 33.5 50.3

55 28.4 19.4 29.2

61 23.4 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.463 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBS01

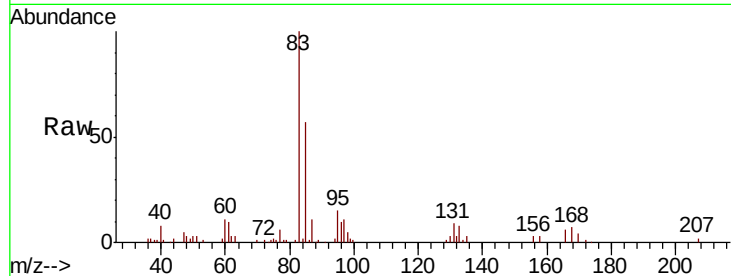
Tot Ion: 83 Resp: 77143

Ion Ratio Lower Upper

83 100

131 10.3 5.5 16.4

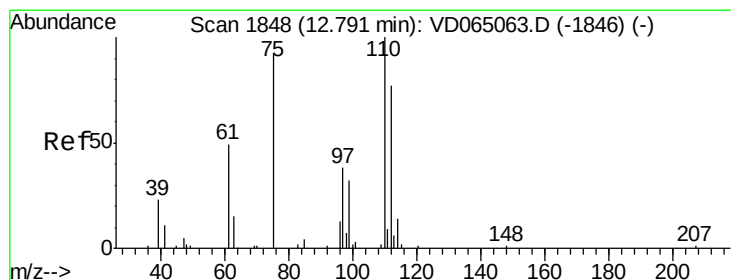
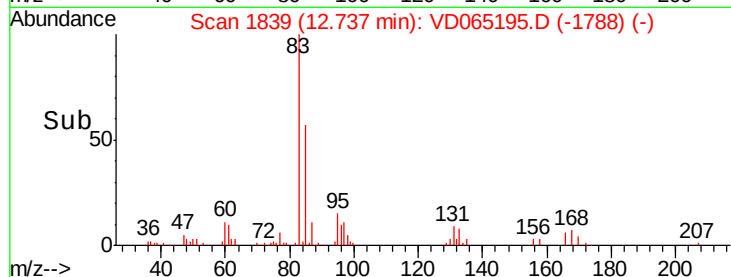
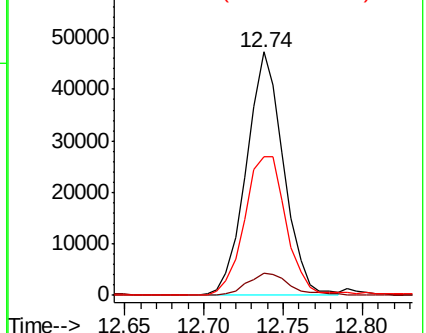
85 63.5 31.8 95.4



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: 43.458 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065195.D

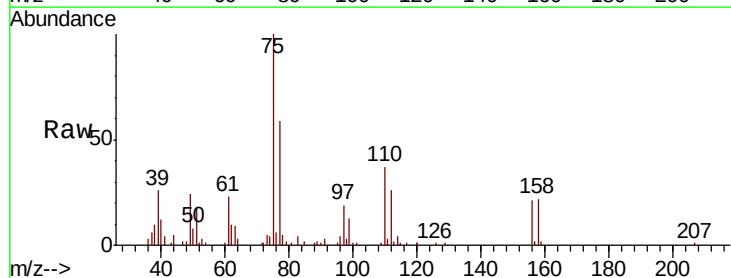
Acq: 17 Feb 2020 14:33

Tgt Ion: 75 Resp: 100144

Ion Ratio Lower Upper

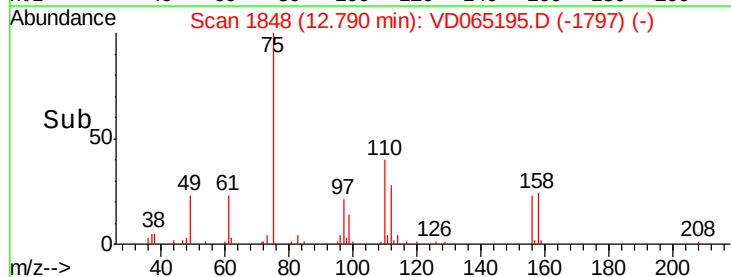
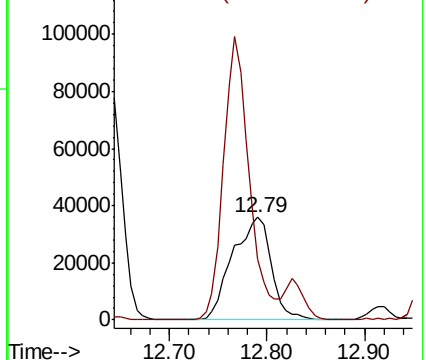
75 100

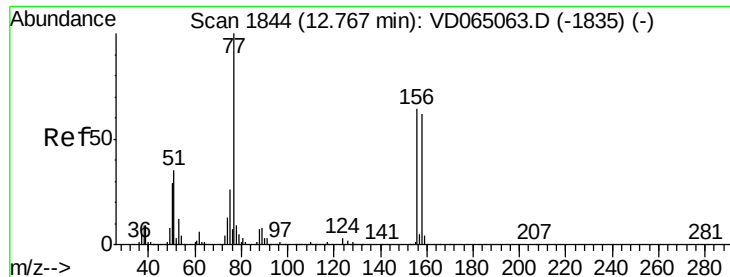
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

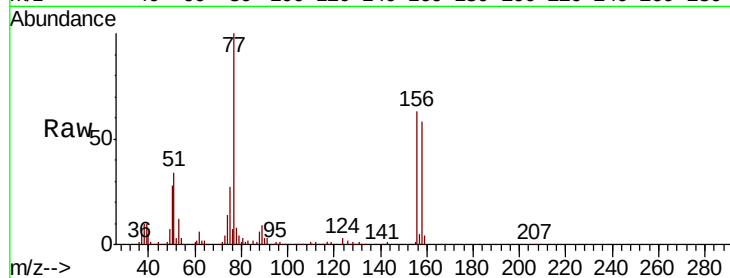




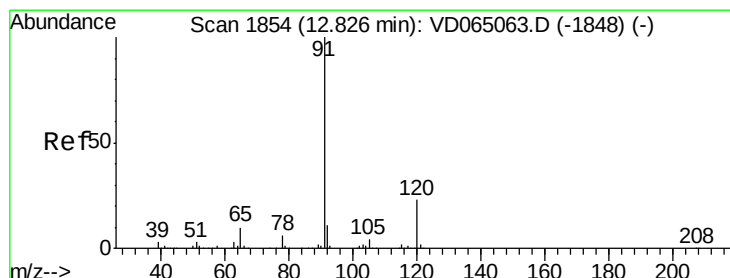
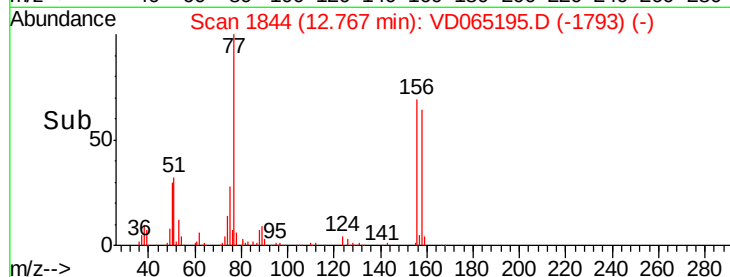
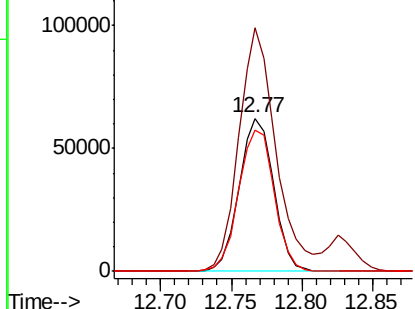
#77
Bromobenzene
Concen: 21.127 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBSD01

Tot Ion:156 Resp: 106336
Ion Ratio Lower Upper
156 100
77 170.3 85.6 256.8
158 95.3 47.4 142.2

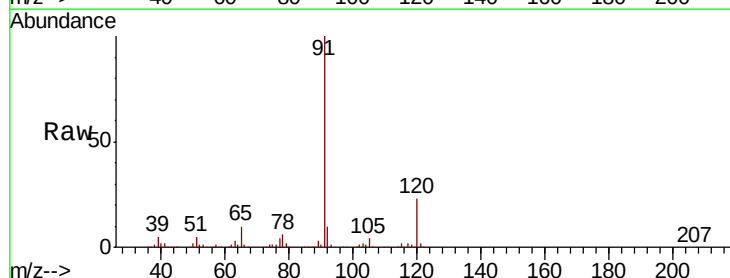


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

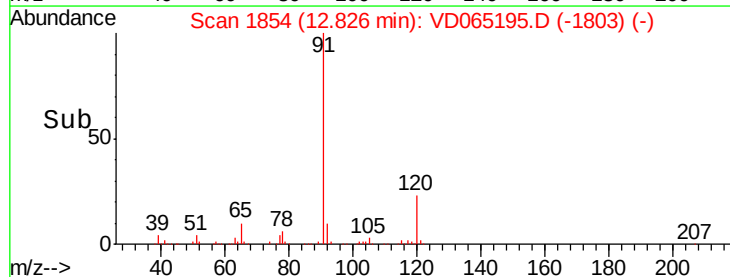
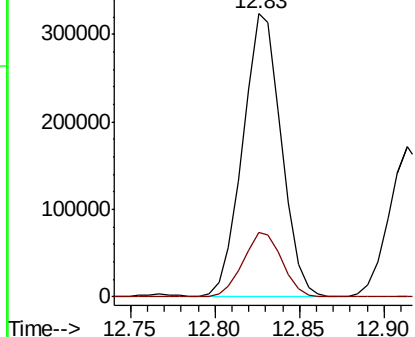


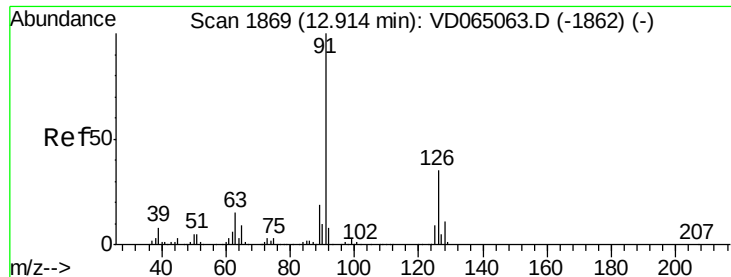
#78
n-propylbenzene
Concen: 20.951 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion: 91 Resp: 512564
Ion Ratio Lower Upper
91 100
120 23.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V

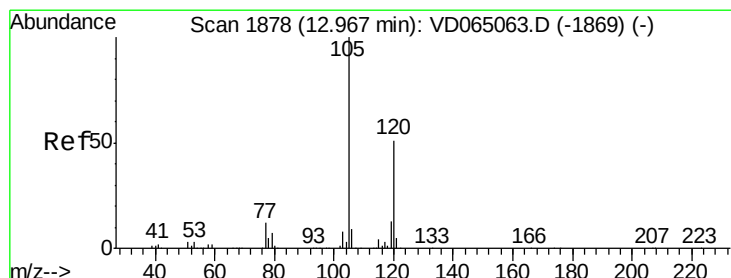
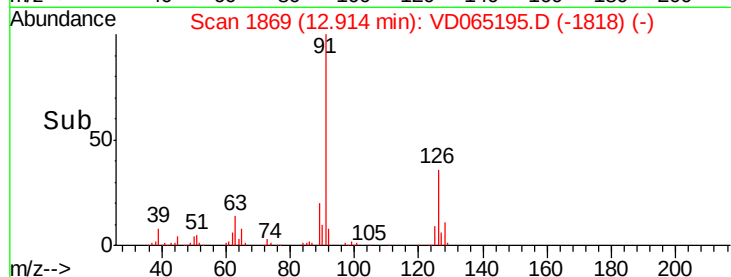
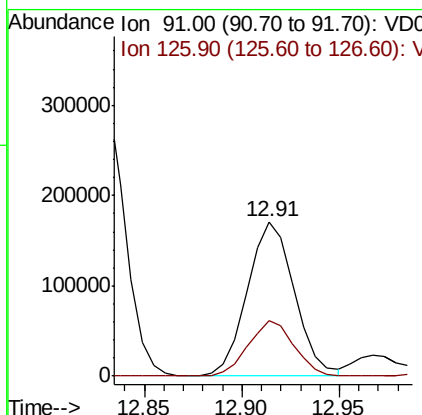
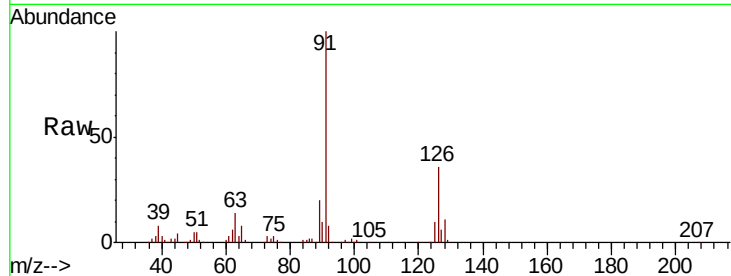




#79
 2-Chlorotoluene
 Concen: 20.977 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

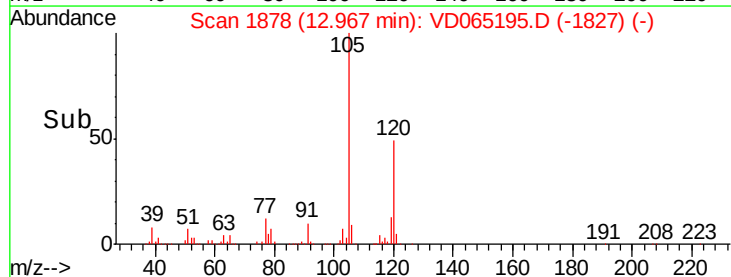
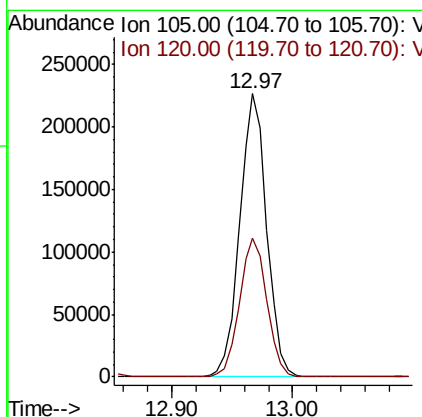
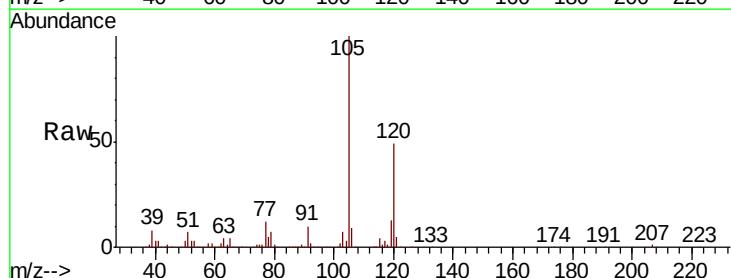
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBSD01

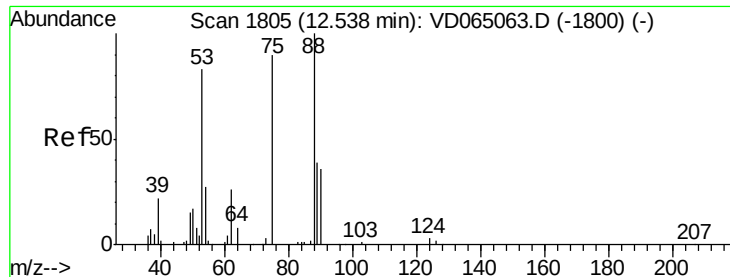
Tot Ion: 91 Resp: 286065
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.547 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion: 105 Resp: 351158
 Ion Ratio Lower Upper
 105 100
 120 50.0 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 22.067 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBSD01

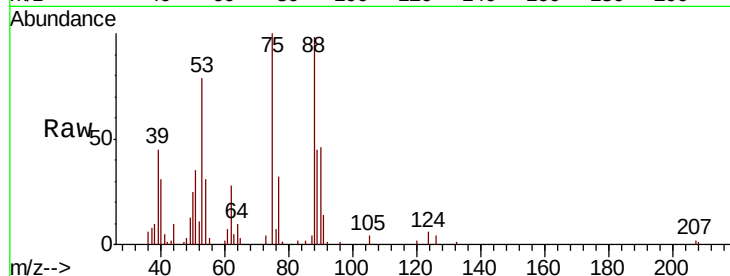
Tot Ion: 75 Resp: 25427

Ion Ratio Lower Upper

75 100

53 90.8 78.5 117.7

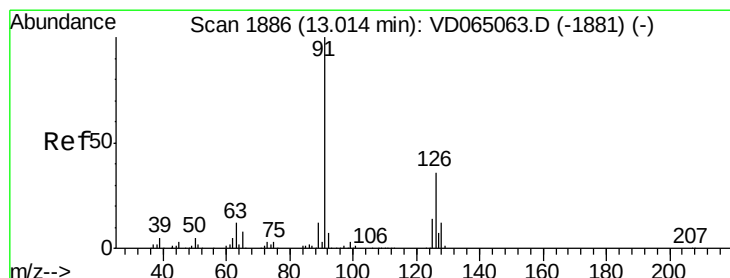
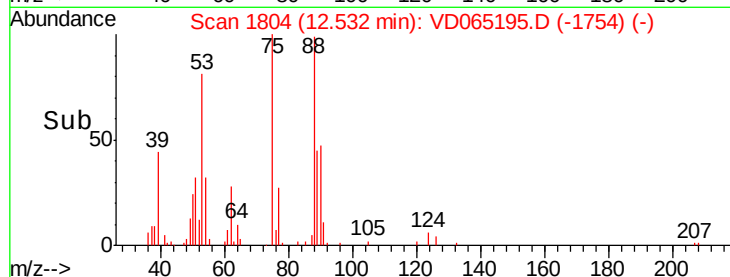
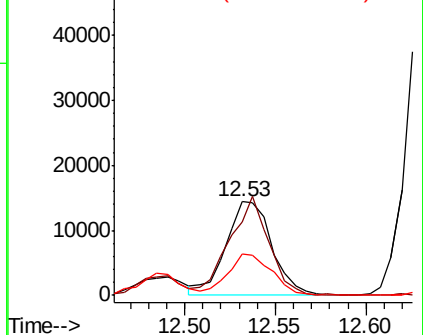
89 42.1 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.393 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065195.D

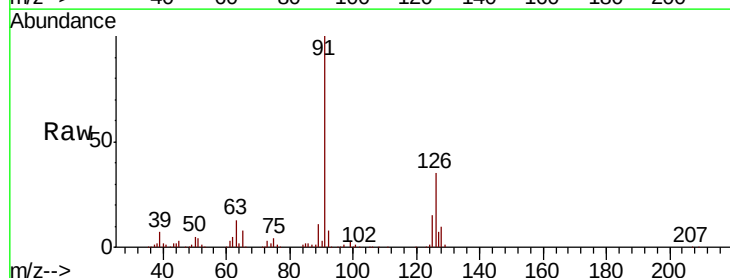
Acq: 17 Feb 2020 14:33

Tgt Ion: 91 Resp: 306401

Ion Ratio Lower Upper

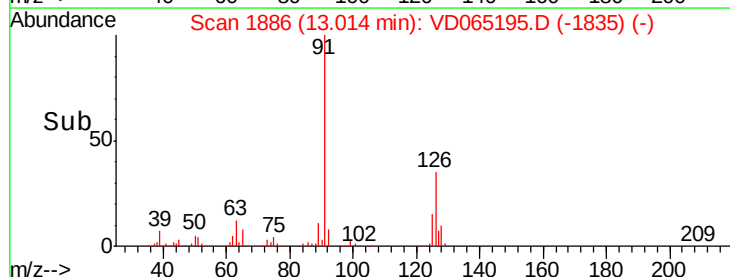
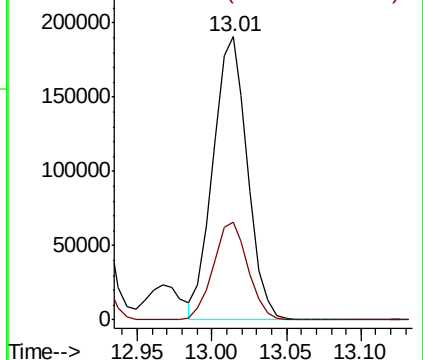
91 100

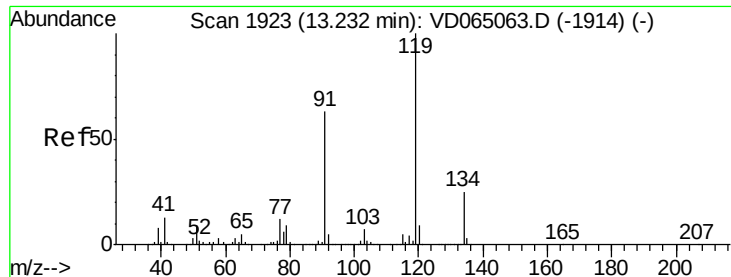
126 35.2 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

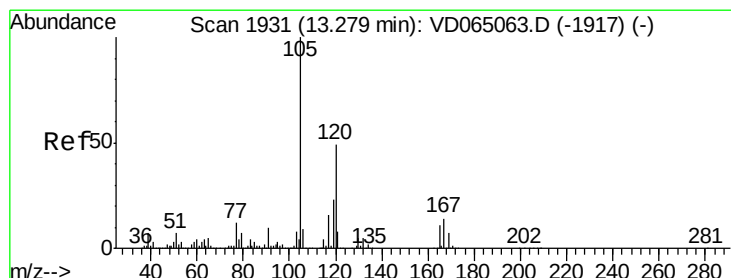
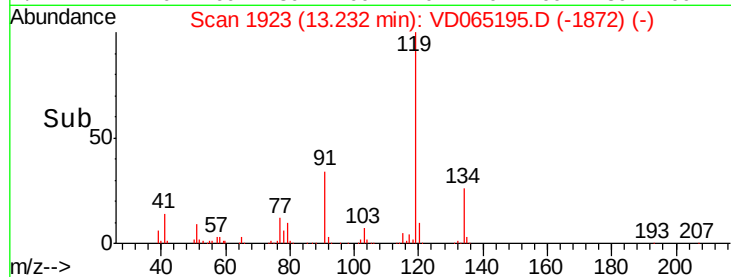
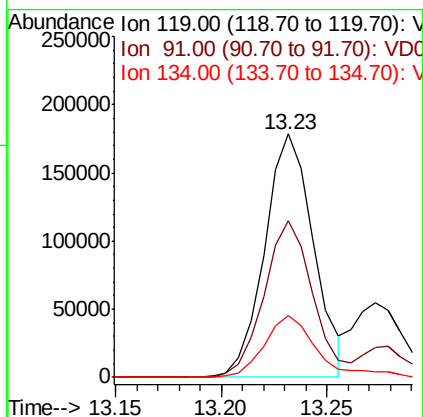
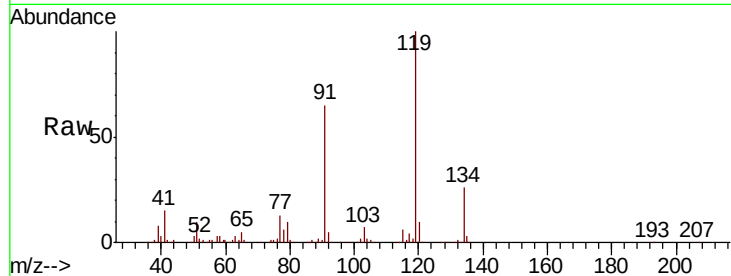




#83
 tert-Butylbenzene
 Concen: 19.532 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

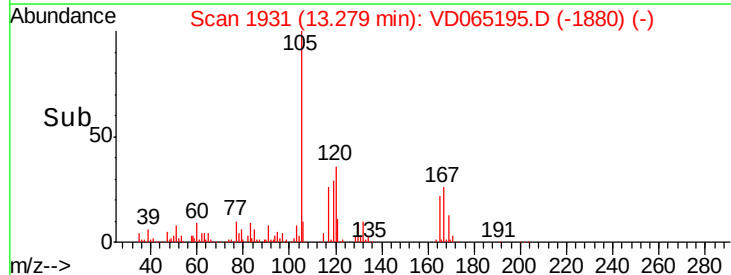
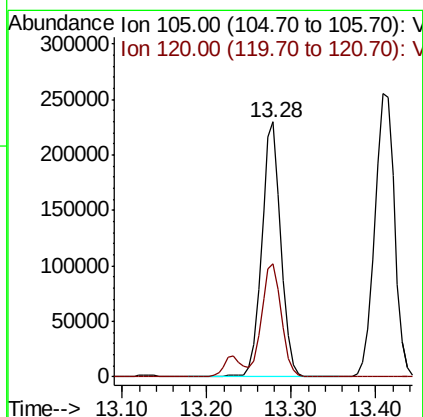
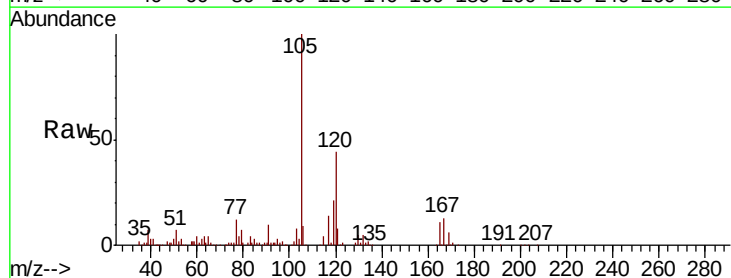
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBSD01

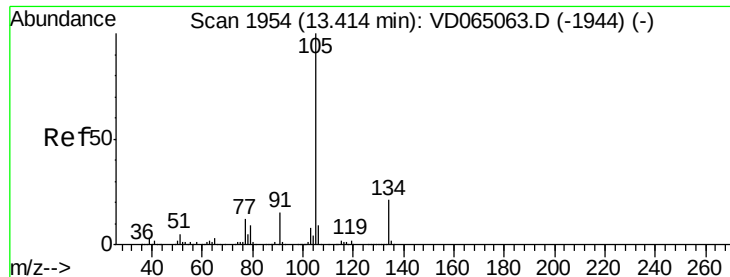
Tot Ion:119 Resp: 288002
 Ion Ratio Lower Upper
 119 100
 91 64.3 32.3 96.9
 134 27.6 13.8 41.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.295 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion:105 Resp: 361326
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.5 70.5





#85

sec-Butylbenzene

Concen: 20.560 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

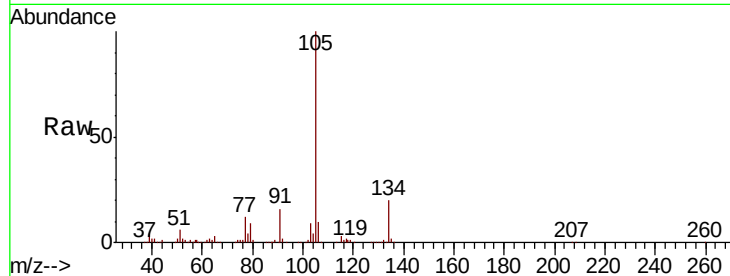
VD0217SBS01

Tot Ion:105 Resp: 414053

Ion Ratio Lower Upper

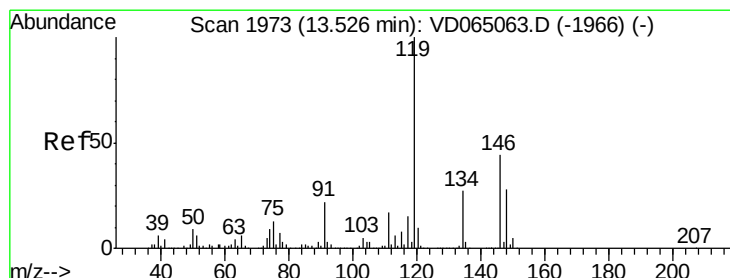
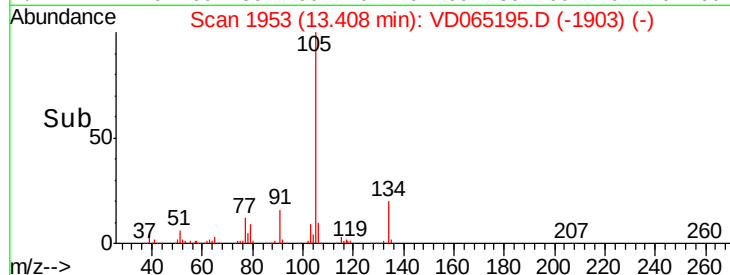
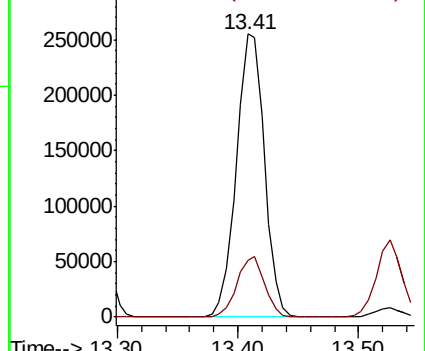
105 100

134 20.9 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.649 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

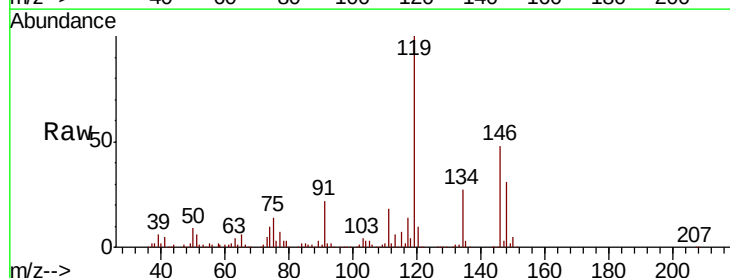
Tgt Ion:119 Resp: 386374

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.5

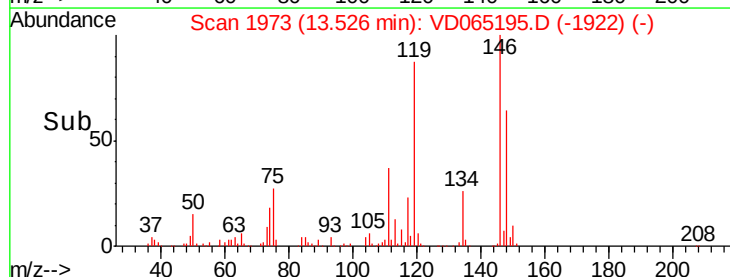
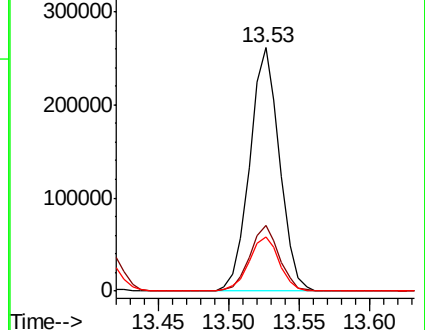
91 22.5 11.3 33.9

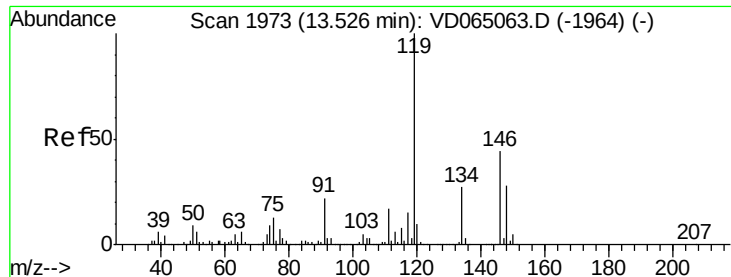


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

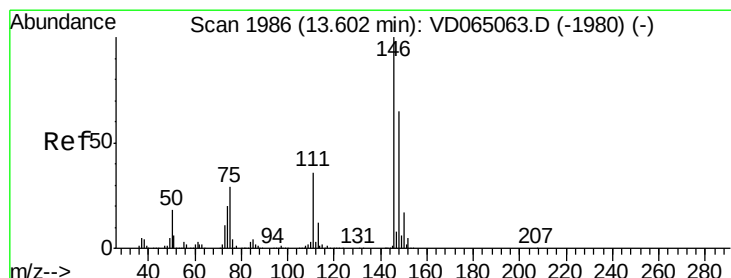
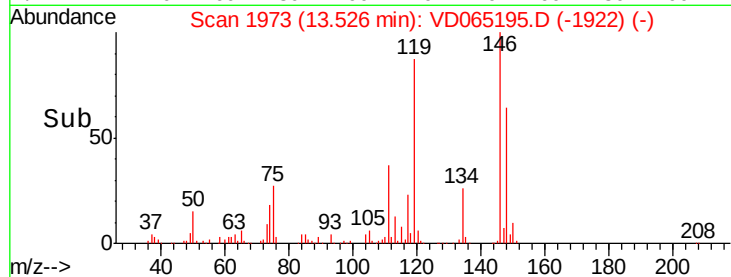
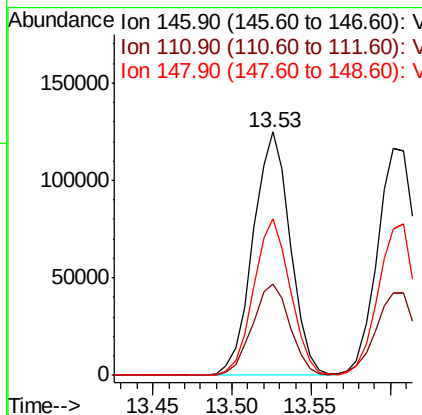
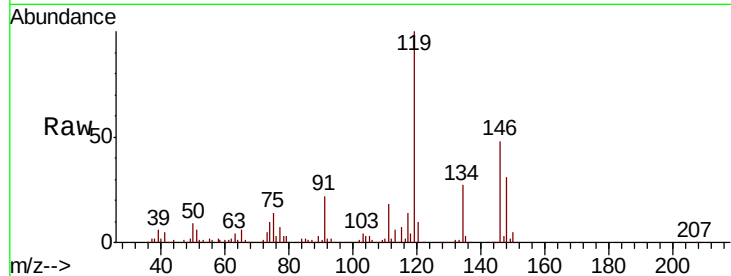




#87
 1,3-Dichlorobenzene
 Concen: 21.597 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

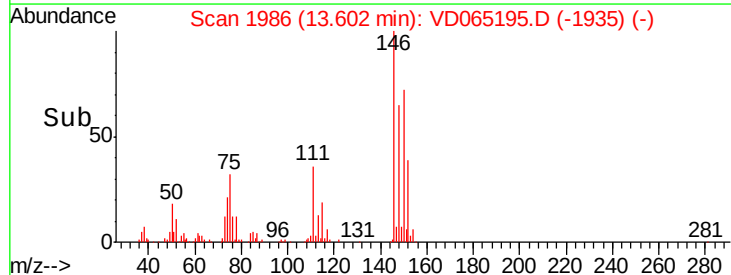
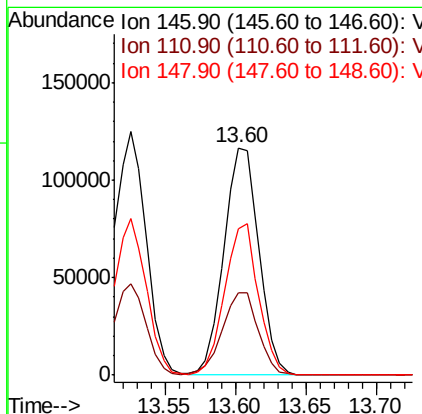
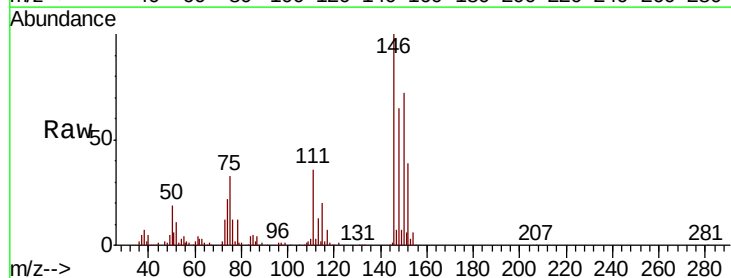
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

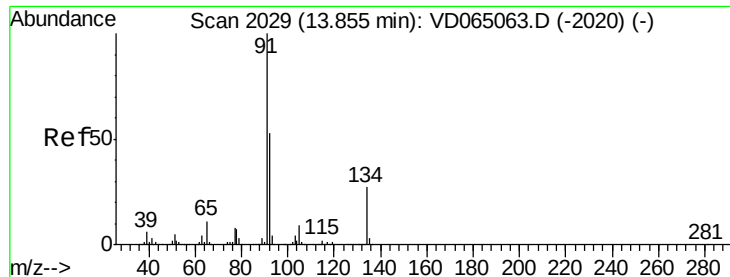
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.4
148	63.6	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 21.392 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.5	55.5
148	64.2	32.7	98.1

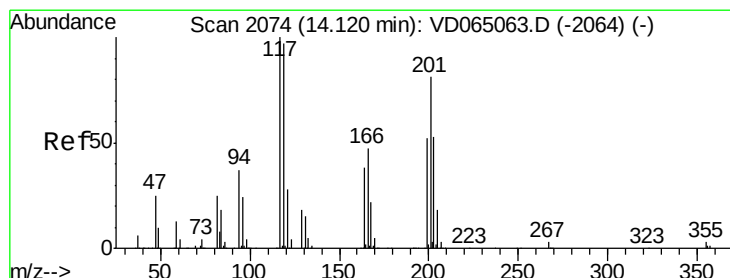
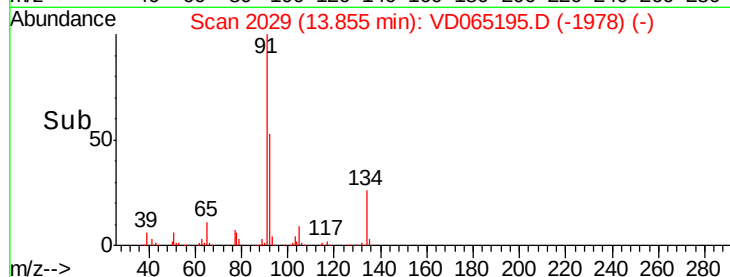
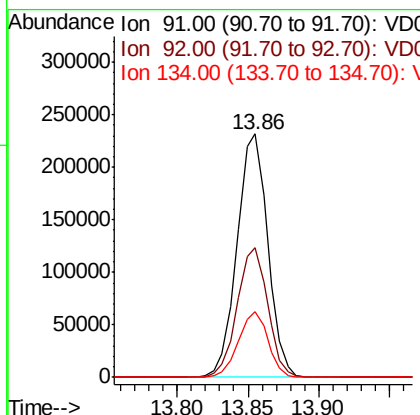
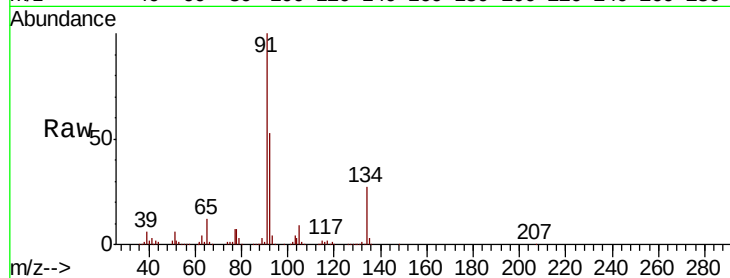




#89
n-Butylbenzene
Concen: 20.436 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

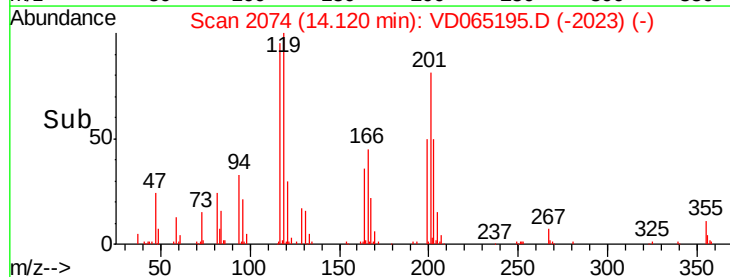
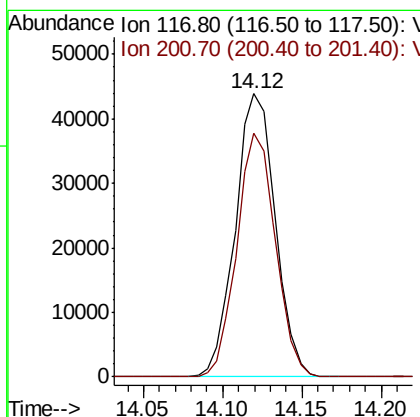
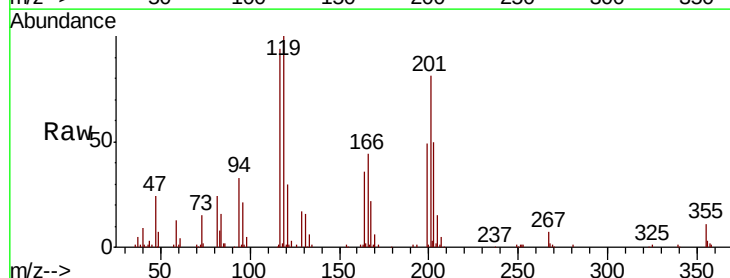
Instrument :
MSVOA_D
ClientSampleId :
VD0217SBS01

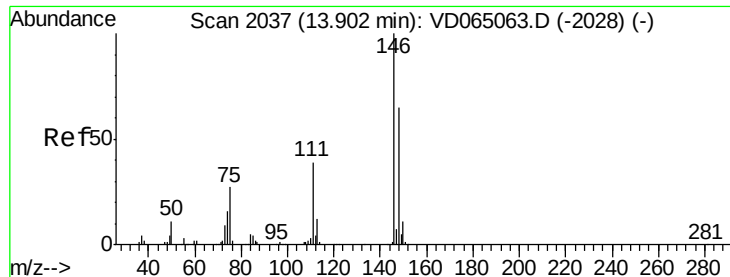
Tot Ion: 91 Resp: 352930
Ion Ratio Lower Upper
91 100
92 52.8 26.7 80.1
134 26.0 13.4 40.2



#90
Hexachloroethane
Concen: 21.710 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065195.D
Acq: 17 Feb 2020 14:33

Tgt Ion: 117 Resp: 76922
Ion Ratio Lower Upper
117 100
201 83.0 42.5 127.6

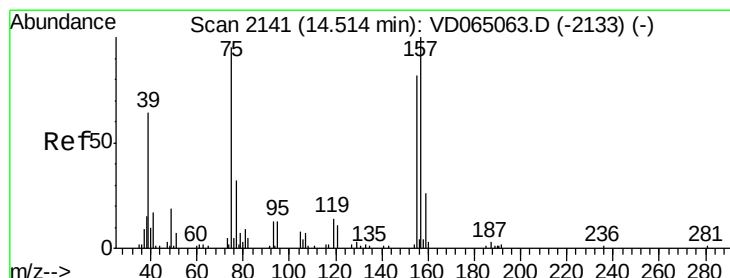
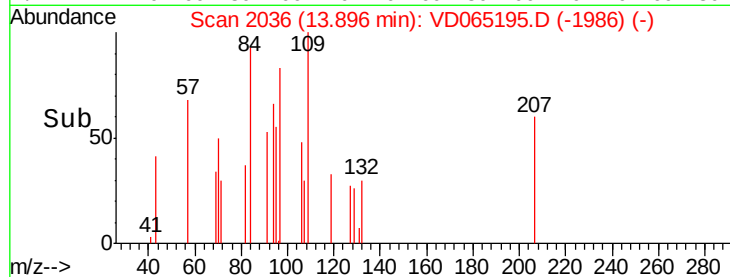
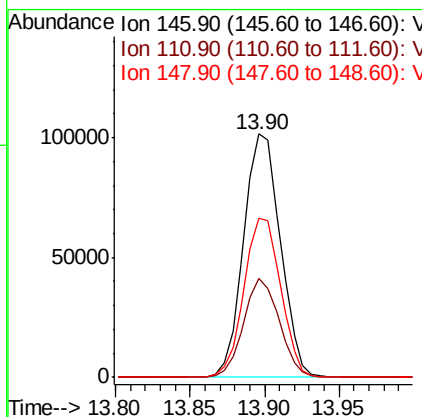
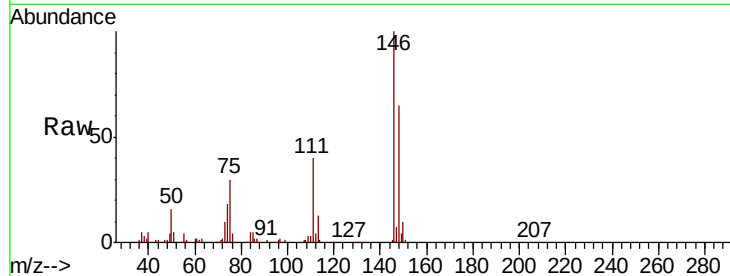




#91
 1,2-Dichlorobenzene
 Concen: 21.483 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

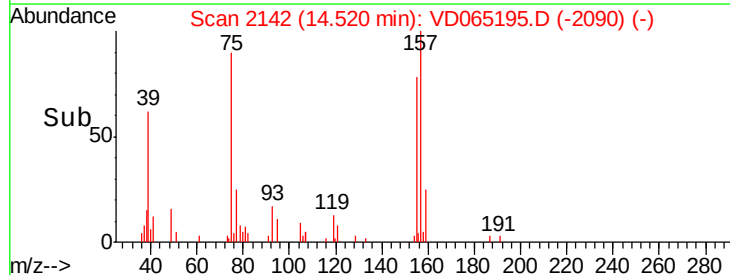
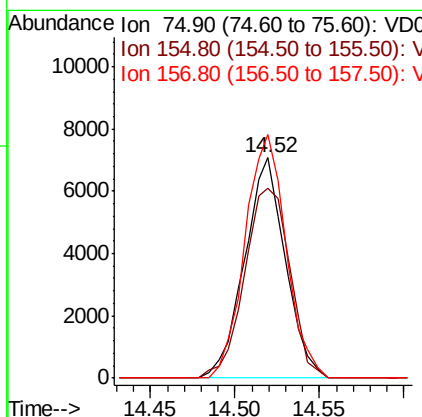
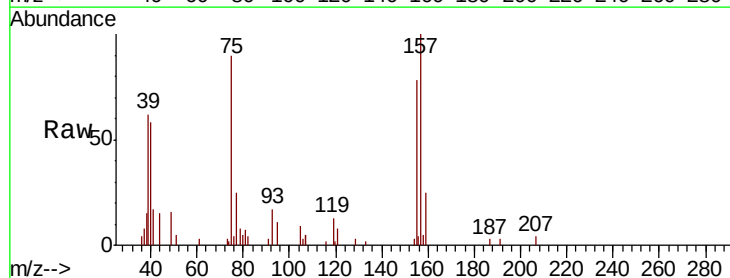
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBSD01

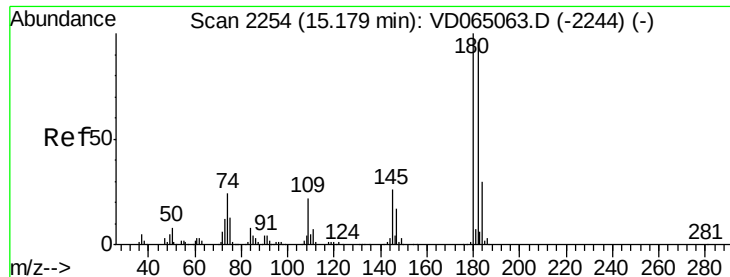
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	65.3	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.240 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	43.4	130.1
157	110.6	55.8	167.3

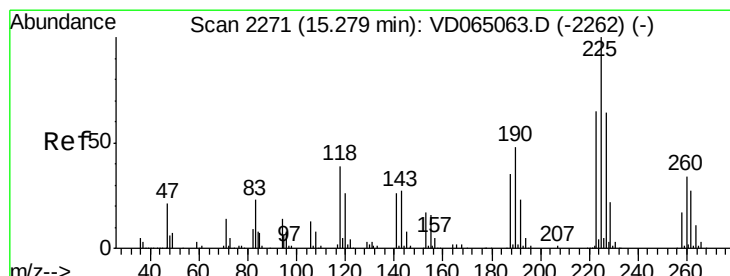
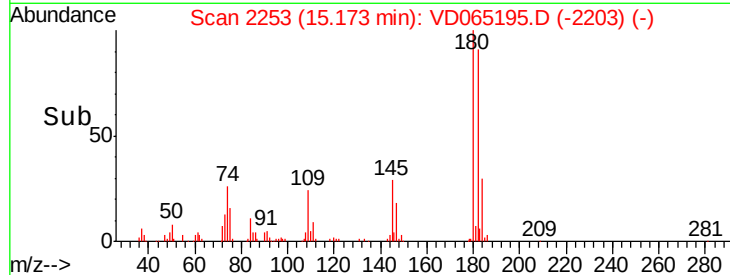
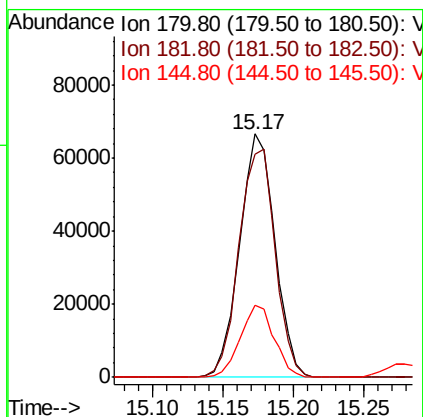
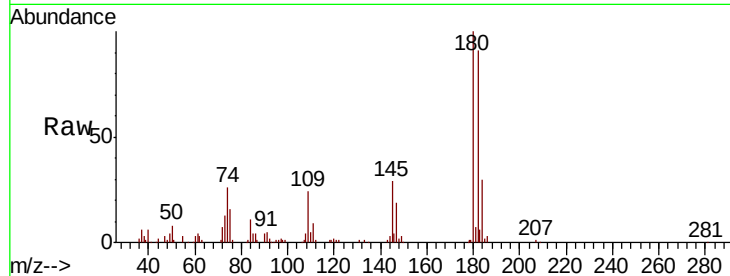




#93
 1,2,4-Trichlorobenzene
 Concen: 20.225 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

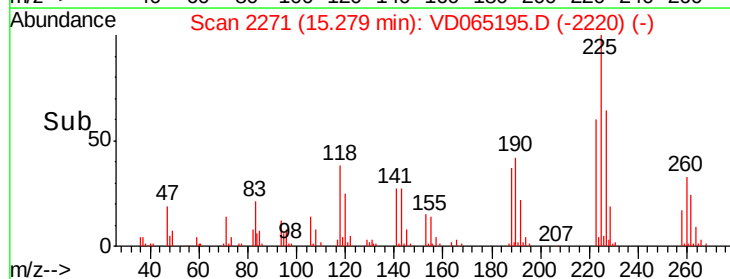
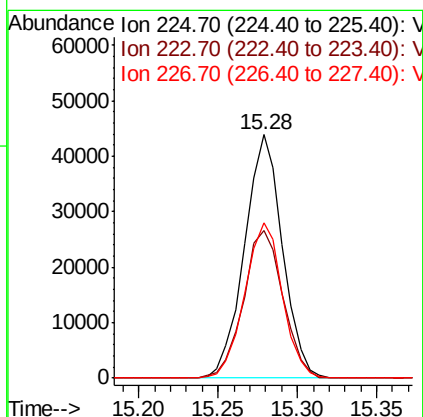
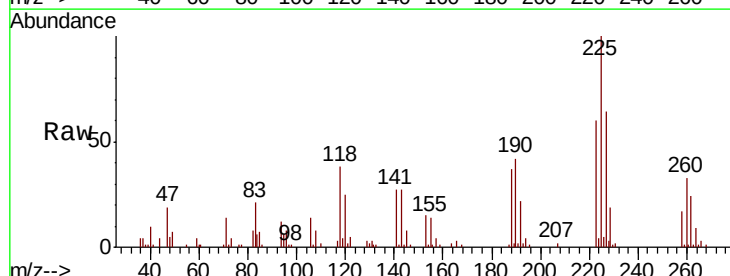
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBSD01

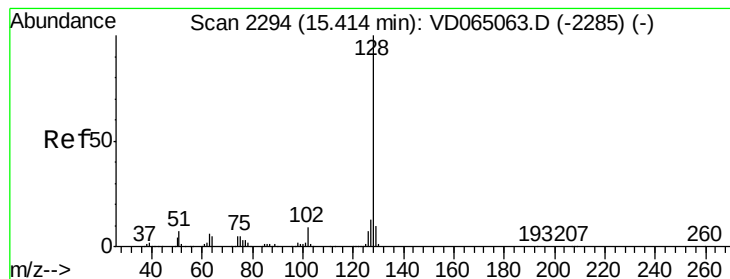
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.4	142.3
145	28.3	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 20.584 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065195.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.4	94.0
227	63.3	31.8	95.3





#95

Naphthalene

Concen: 19.760 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBSD01

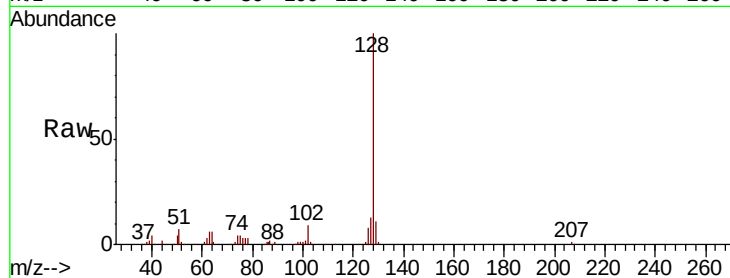
Tot Ion:128 Resp: 189482

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

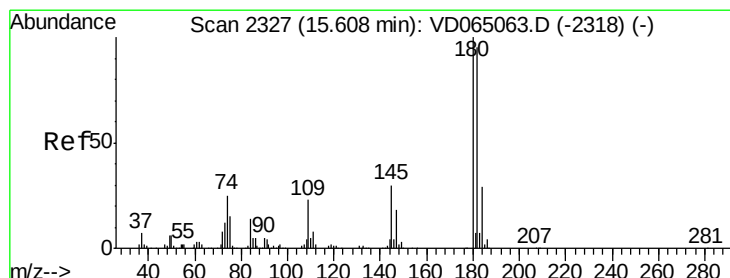
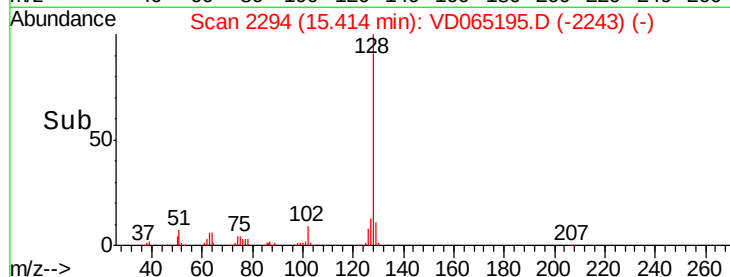
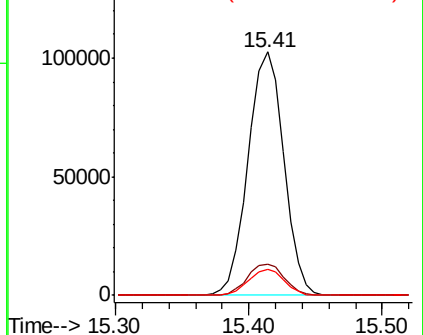
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.118 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065195.D

Acq: 17 Feb 2020 14:33

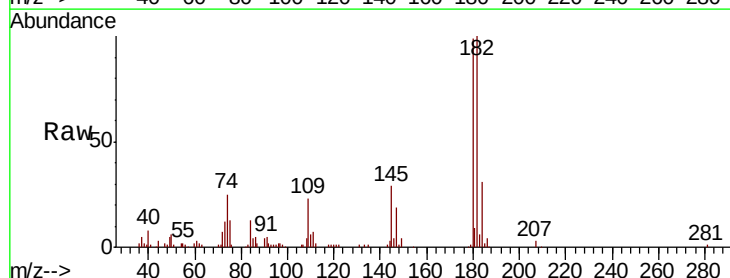
Tgt Ion:180 Resp: 104211

Ion Ratio Lower Upper

180 100

182 94.9 47.1 141.4

145 30.5 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

