

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\
 Data File : VD063830.D
 Acq On : 25 Sep 2019 18:48
 Operator : VA/SY
 Sample : VSTDIC075
 Misc : 5.00µ/5.00mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 26 11:09:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 11:05:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	264643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	424643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	409467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	224423	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.36	65	180017	72.24	ug/l	0.00
Spiked Amount			Recovery	=	144.48%	
35) Dibromofluoromethane	7.94	113	187332	69.49	ug/l	0.00
Spiked Amount			Recovery	=	138.98%	
50) Toluene-d8	10.36	98	749000	73.81	ug/l	0.00
Spiked Amount			Recovery	=	147.62%	
62) 4-Bromofluorobenzene	12.64	95	260889	71.64	ug/l	0.00
Spiked Amount			Recovery	=	143.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	126440	69.664	ug/l	96
3) Chloromethane	2.22	50	312097	56.744	ug/l	99
4) Vinyl Chloride	2.36	62	346379	61.708	ug/l	93
5) Bromomethane	2.77	94	212912	64.829	ug/l	99
6) Chloroethane	2.94	64	216792	56.080	ug/l	98
7) Trichlorofluoromethane	3.29	101	462479	61.282	ug/l	97
8) Diethyl Ether	3.72	74	77335	62.846	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.11	101	142604	63.699	ug/l	99
10) Methyl Iodide	4.31	142	200310	74.943	ug/l	99
11) Tert butyl alcohol	5.28	59	59373	307.531	ug/l	97
12) 1,1-Dichloroethene	4.08	96	144530	63.956	ug/l	92
13) Acrolein	3.94	56	83466	355.098	ug/l	99
14) Allyl chloride	4.73	41	226107	63.299	ug/l	98
15) Acrylonitrile	5.46	53	183614	337.761	ug/l	96
16) Acetone	4.19	43	173919	310.926	ug/l	99
17) Carbon Disulfide	4.42	76	500936	65.574	ug/l	98
18) Methyl Acetate	4.74	43	83261	60.456	ug/l	95
19) Methyl tert-butyl Ether	5.51	73	380594	67.269	ug/l	97
20) Methylene Chloride	4.99	84	186119	55.302	ug/l	95
21) trans-1,2-Dichloroethene	5.50	96	172431	65.553	ug/l	92
22) Diisopropyl ether	6.39	45	471178	63.866	ug/l	98
23) Vinyl Acetate	6.34	43	1427445	327.122	ug/l	100
24) 1,1-Dichloroethane	6.29	63	296266	66.099	ug/l	97
25) 2-Butanone	7.24	43	231357	316.381	ug/l	97
26) 2,2-Dichloropropane	7.23	77	263376	62.832	ug/l	97
27) cis-1,2-Dichloroethene	7.23	96	197361	66.866	ug/l	99
28) Bromochloromethane	7.57	49	126911	72.158	ug/l	97
29) Tetrahydrofuran	7.59	42	139830	319.127	ug/l	98
30) Chloroform	7.73	83	321438	66.026	ug/l	96
31) Cyclohexane	8.00	56	263622	58.921	ug/l	94
32) 1,1,1-Trichloroethane	7.93	97	285991	64.967	ug/l	98
36) 1,1-Dichloropropene	8.13	75	244388	63.094	ug/l	98
37) Ethyl Acetate	7.33	43	98739	61.037	ug/l	95
38) Carbon Tetrachloride	8.11	117	263680	65.405	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 11:05:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	301787	62.573	ug/l	98
40) Benzene	8.37	78	692268	64.896	ug/l	100
41) Methacrylonitrile	7.55	41	58144	60.858	ug/l	94
42) 1,2-Dichloroethane	8.45	62	200648	64.324	ug/l	99
43) Isopropyl Acetate	8.48	43	202633	62.482	ug/l	99
44) Trichloroethene	9.13	130	202511	65.554	ug/l	95
45) 1,2-Dichloropropane	9.41	63	170142	64.568	ug/l	93
46) Dibromomethane	9.50	93	99706	67.039	ug/l	99
47) Bromodichloromethane	9.68	83	256108	66.799	ug/l	96
48) Methyl methacrylate	9.47	41	93838	63.619	ug/l	97
49) 1,4-Dioxane	9.48	88	26473	1275.919	ug/l	95
51) 4-Methyl-2-Pentanone	10.25	43	513052	314.030	ug/l	97
52) Toluene	10.42	92	471847	65.236	ug/l	99
53) t-1,3-Dichloropropene	10.64	75	257607	67.785	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	289886	67.199	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	134092	63.806	ug/l	92
56) Ethyl methacrylate	10.67	69	175748	65.797	ug/l	99
57) 1,3-Dichloropropane	10.96	76	234758	65.744	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.96	63	410099	343.513	ug/l	99
59) 2-Hexanone	11.00	43	375771	322.357	ug/l	99
60) Dibromochloromethane	11.16	129	186635	67.295	ug/l	98
61) 1,2-Dibromoethane	11.26	107	139836	66.560	ug/l	99
64) Tetrachloroethene	10.89	164	182551	66.185	ug/l	94
65) Chlorobenzene	11.68	112	547046	66.416	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.76	131	206288	68.148	ug/l	99
67) Ethyl Benzene	11.76	91	976736	65.649	ug/l	98
68) m/p-Xylenes	11.87	106	759007	132.847	ug/l	99
69) o-Xylene	12.20	106	360306	66.814	ug/l	99
70) Styrene	12.21	104	619999	67.933	ug/l	99
71) Bromoform	12.37	173	123194	73.261	ug/l #	97
73) Isopropylbenzene	12.49	105	971048	63.348	ug/l	99
74) N-amyl acetate	12.30	43	204730	61.011	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	160495	62.815	ug/l	100
76) 1,2,3-Trichloropropane	12.80	75	208083	146.199	ug/l #	100
77) Bromobenzene	12.77	156	242211	65.748	ug/l	98
78) n-propylbenzene	12.83	91	1133061	62.828	ug/l	99
79) 2-Chlorotoluene	12.92	91	627980	64.559	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	824781	64.544	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	53129	62.353	ug/l	97
82) 4-Chlorotoluene	13.02	91	646563	62.310	ug/l	99
83) tert-Butylbenzene	13.24	119	715351	64.068	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	844778	65.119	ug/l	100
85) sec-Butylbenzene	13.41	105	995325	64.063	ug/l	100
86) p-Isopropyltoluene	13.53	119	953220	65.327	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	479653	66.314	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	465897	64.765	ug/l	98
89) n-Butylbenzene	13.86	91	874331	62.958	ug/l	99
90) Hexachloroethane	14.13	117	180056	66.621	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	410006	66.084	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27420	63.604	ug/l	99

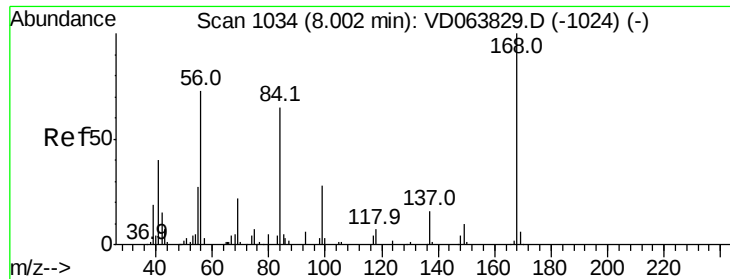
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092519\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	319605	67.834	ug/l	97
94) Hexachlorobutadiene	15.28	225	183001	68.550	ug/l	98
95) Naphthalene	15.41	128	563472	66.596	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	279302	66.864	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

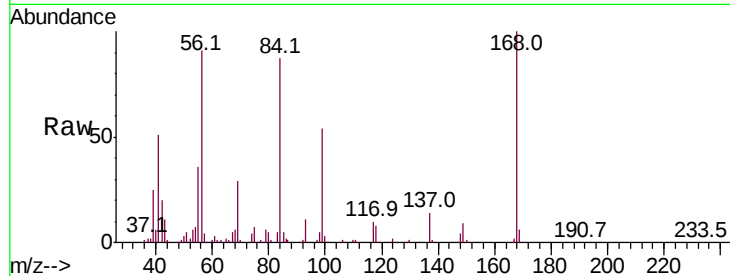
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 264643

Ion Ratio Lower Upper

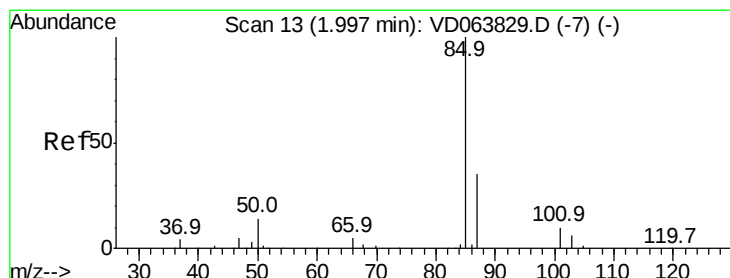
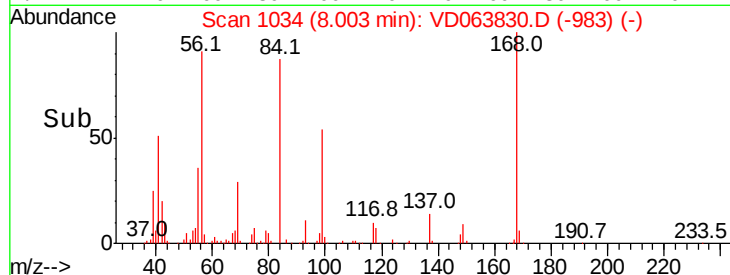
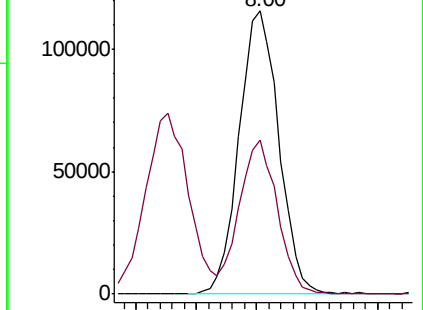
168 100

99 54.1 41.2 61.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 69.664 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.00 min

Lab File: VD063830.D

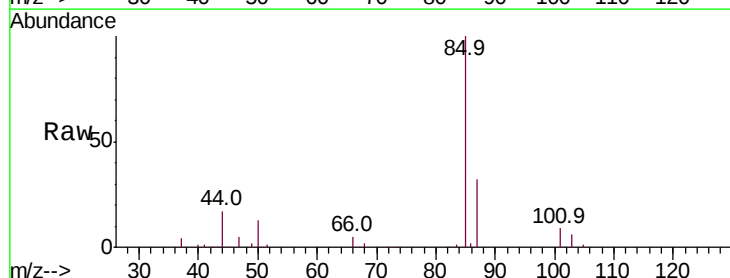
Acq: 25 Sep 2019 18:48

Tgt Ion: 85 Resp: 126440

Ion Ratio Lower Upper

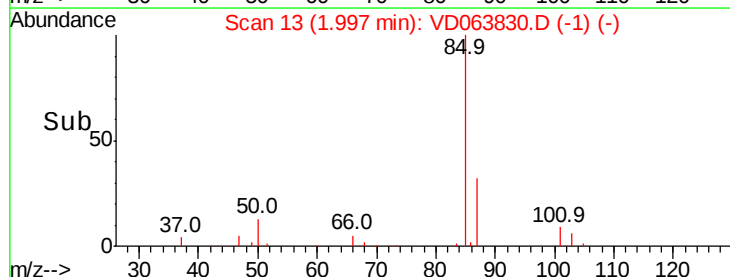
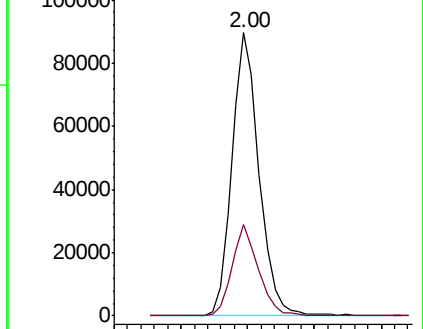
85 100

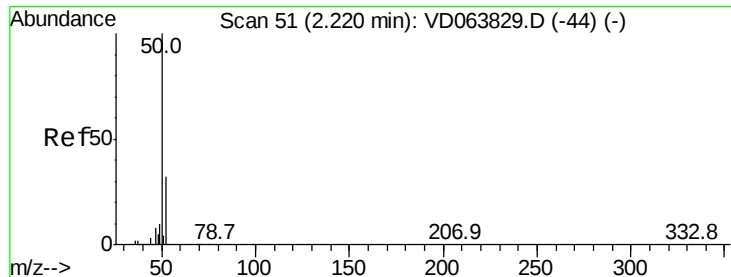
87 32.4 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 56.744 ug/l

RT: 2.22 min Scan# 51

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

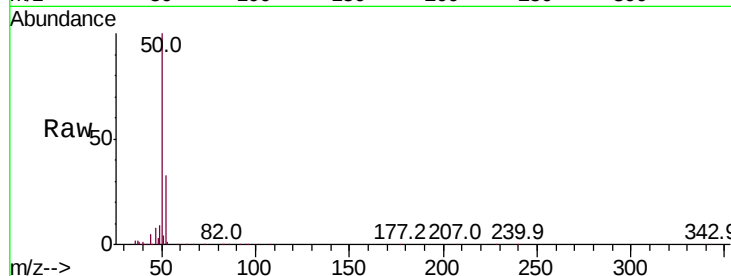
ClientSampleId :

Tot Ion: 50 Resp: 312097

Ion Ratio Lower Upper

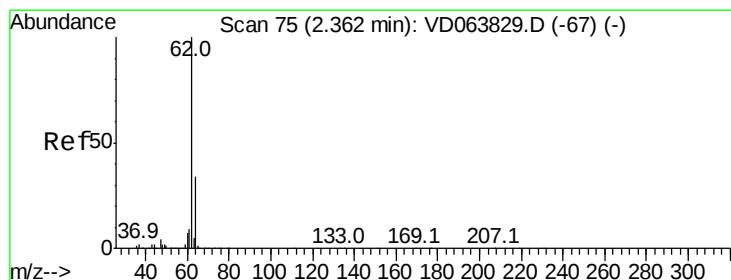
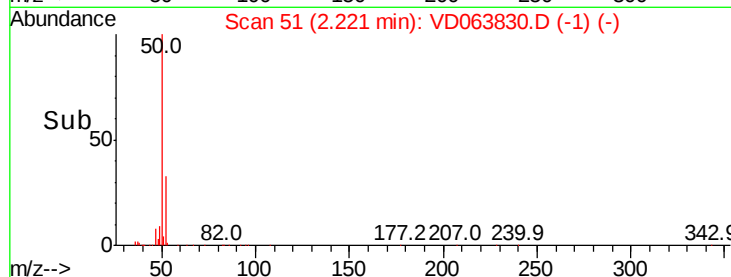
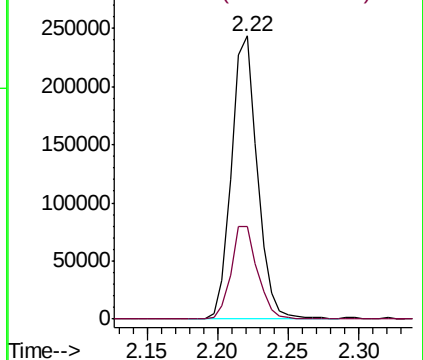
50 100

52 32.6 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 61.708 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD063830.D

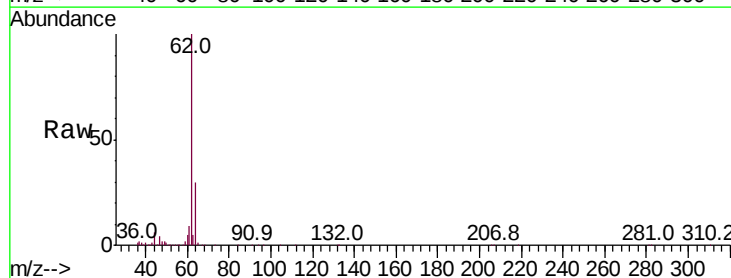
Acq: 25 Sep 2019 18:48

Tgt Ion: 62 Resp: 346379

Ion Ratio Lower Upper

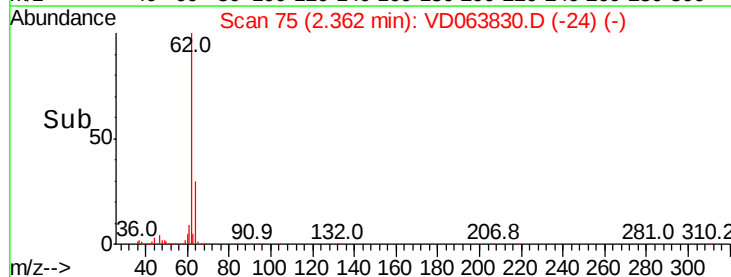
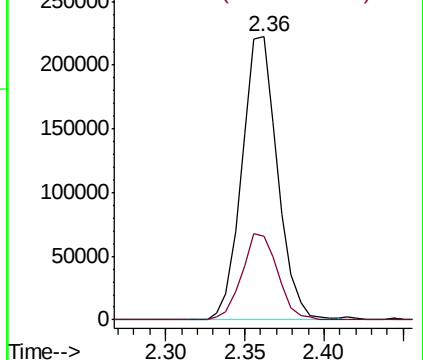
62 100

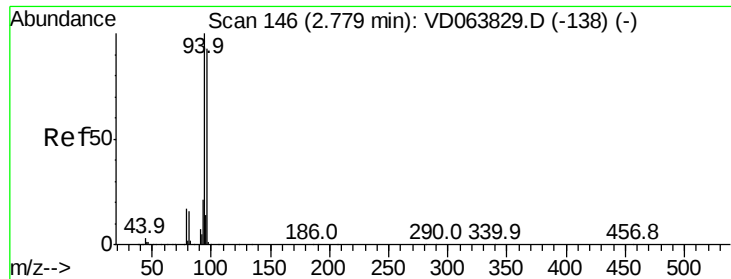
64 29.6 27.1 40.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 64.829 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

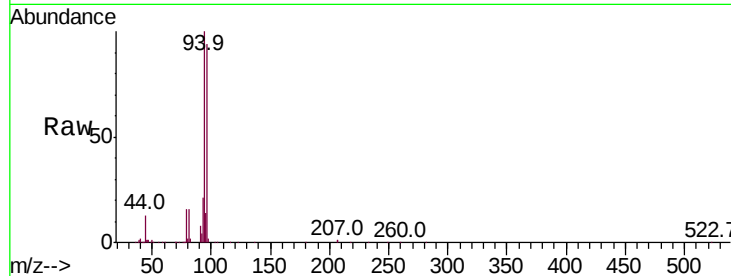
ClientSampleId :

Tot Ion: 94 Resp: 212912

Ion Ratio Lower Upper

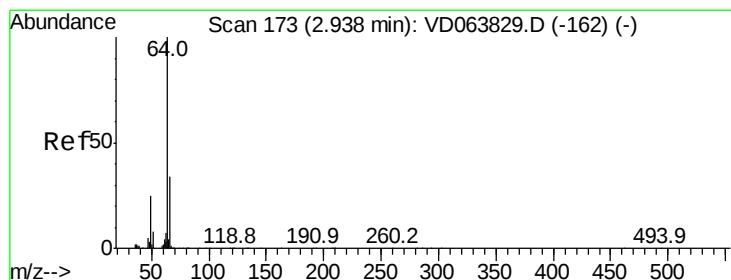
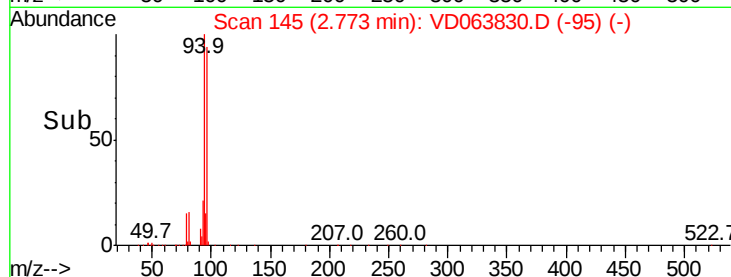
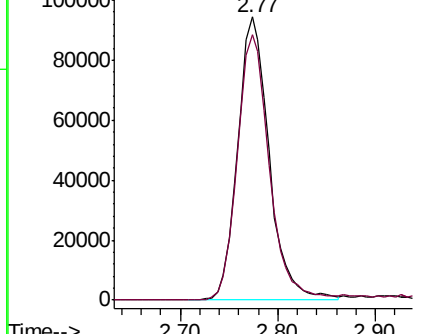
94 100

96 93.6 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 56.080 ug/l

RT: 2.94 min Scan# 173

Delta R.T. 0.00 min

Lab File: VD063830.D

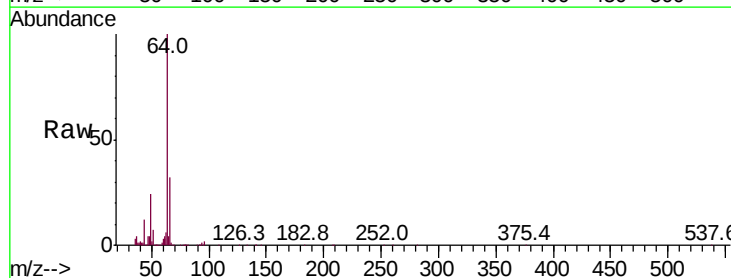
Acq: 25 Sep 2019 18:48

Tgt Ion: 64 Resp: 216792

Ion Ratio Lower Upper

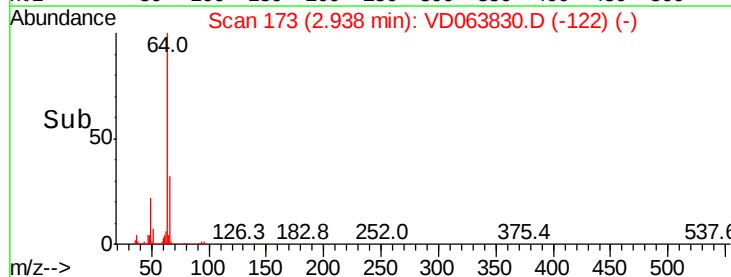
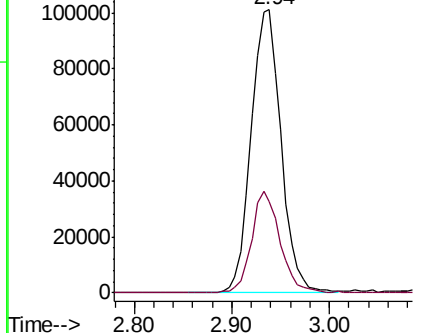
64 100

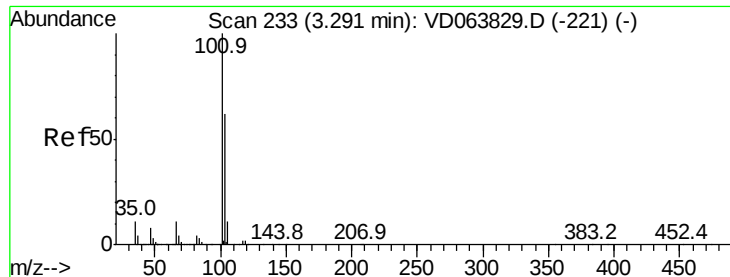
66 32.4 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



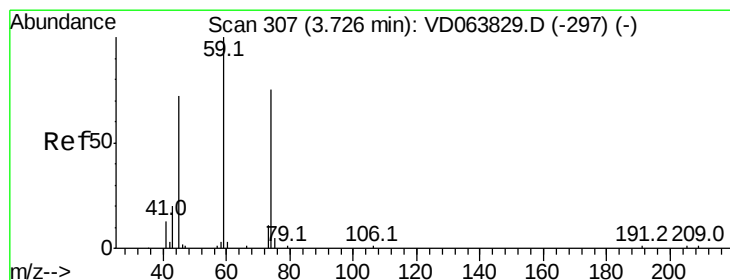
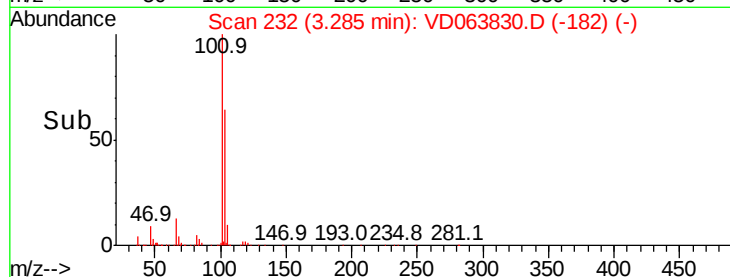
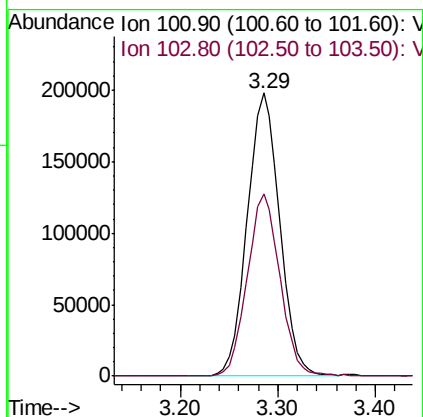
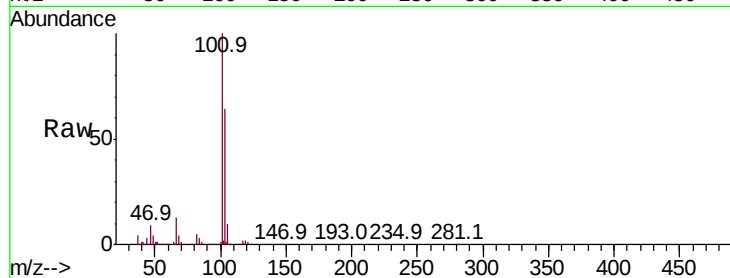


#7

Trichlorofluoromethane
 Concen: 61.282 ug/l
 RT: 3.29 min Scan# 232
 Delta R.T. -0.01 min
 Lab File: VD063830.D
 Acq: 25 Sep 2019 18:48

Instrument :
 MSVOA_D
 ClientSampleId :

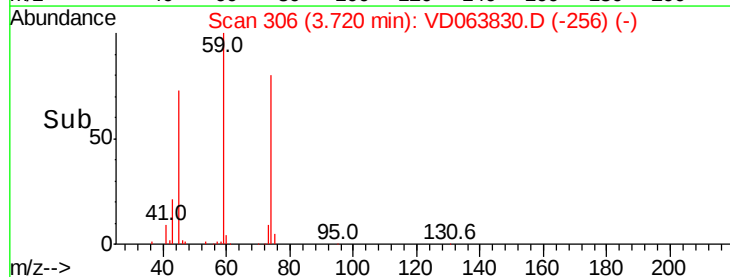
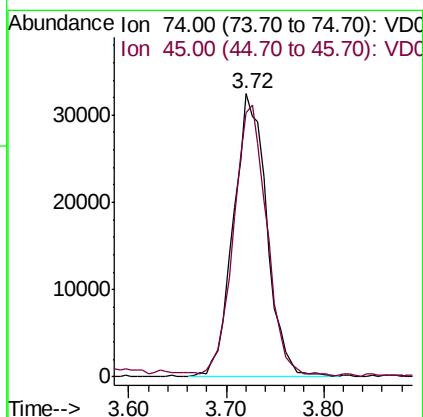
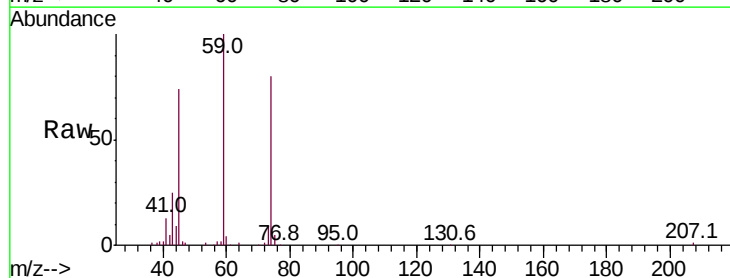
Tot Ion:101 Resp: 462479
 Ion Ratio Lower Upper
 101 100
 103 64.4 49.8 74.8

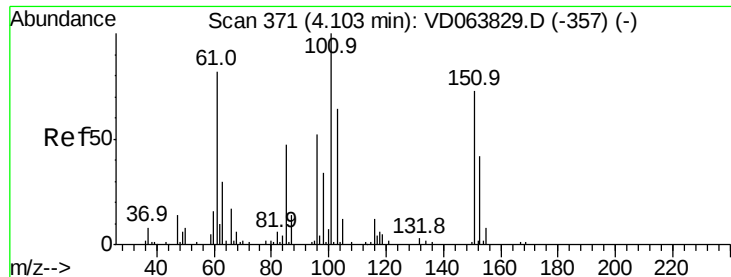


#8

Diethyl Ether
 Concen: 62.846 ug/l
 RT: 3.72 min Scan# 306
 Delta R.T. -0.01 min
 Lab File: VD063830.D
 Acq: 25 Sep 2019 18:48

Tgt Ion: 74 Resp: 77335
 Ion Ratio Lower Upper
 74 100
 45 96.6 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 63.699 ug/l

RT: 4.11 min Scan# 372

Delta R.T. 0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

ClientSampleId :

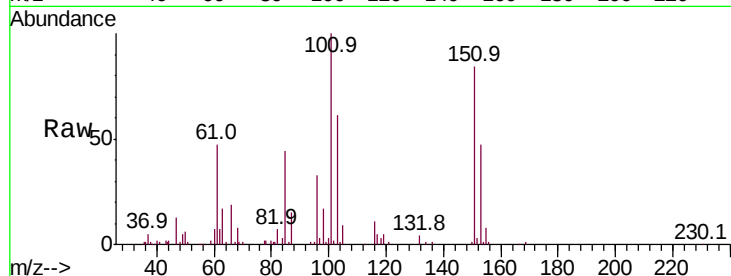
Tot Ion:101 Resp: 142604

Ion Ratio Lower Upper

101 100

85 46.3 37.8 56.6

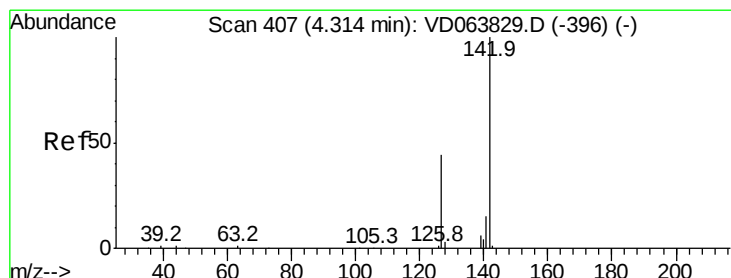
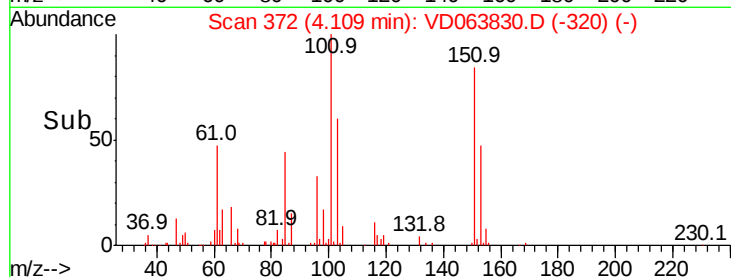
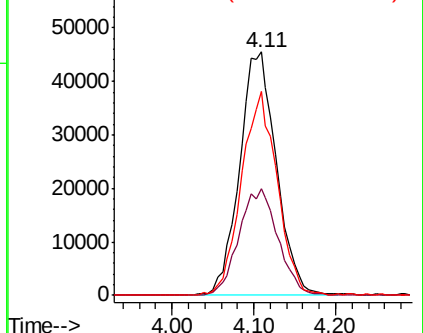
151 81.2 64.2 96.2



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: 74.943 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

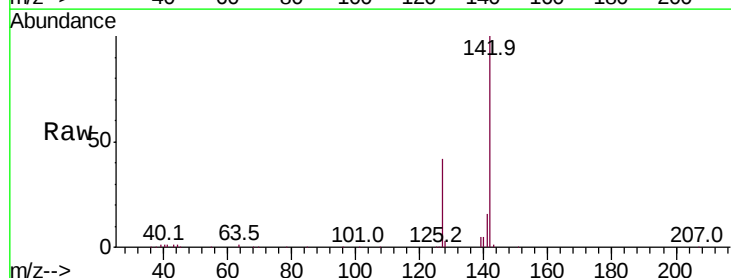
Tgt Ion:142 Resp: 200310

Ion Ratio Lower Upper

142 100

127 44.0 35.8 53.6

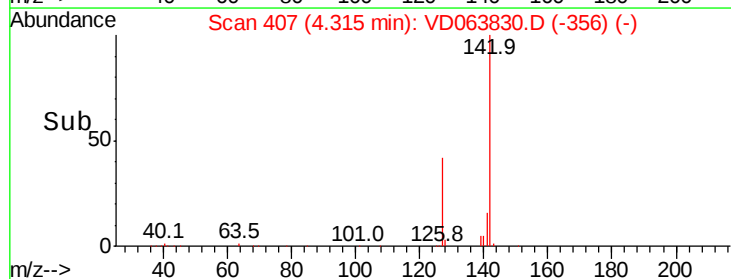
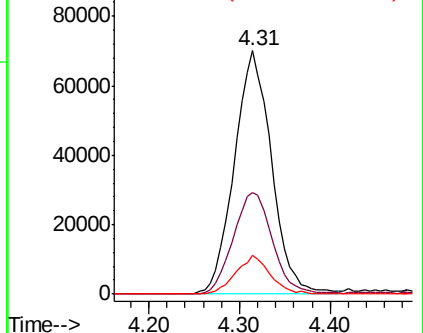
141 14.8 11.9 17.9

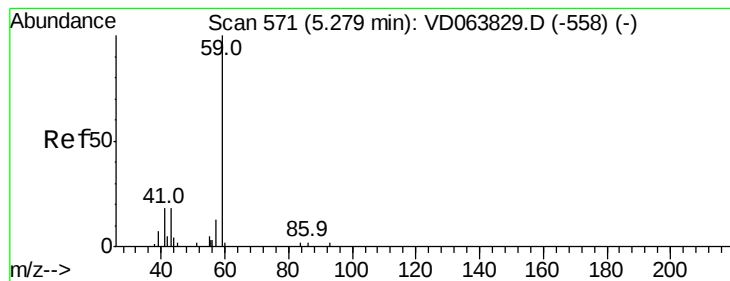


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 307.531 ug/l

RT: 5.28 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

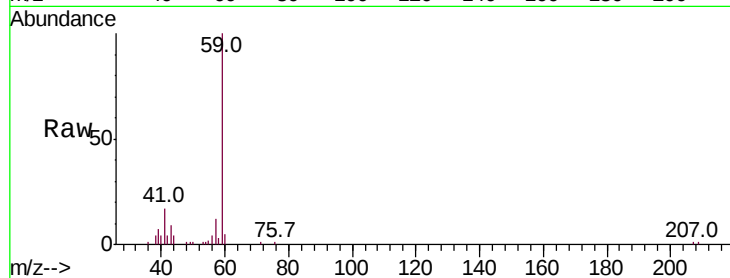
ClientSampled :

Tot Ion: 59 Resp: 59373

Ion Ratio Lower Upper

59 100

57 11.7 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

25000

20000

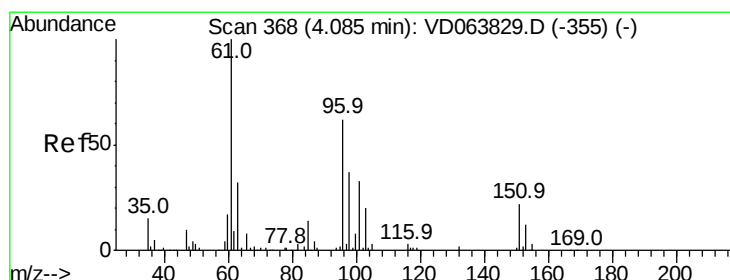
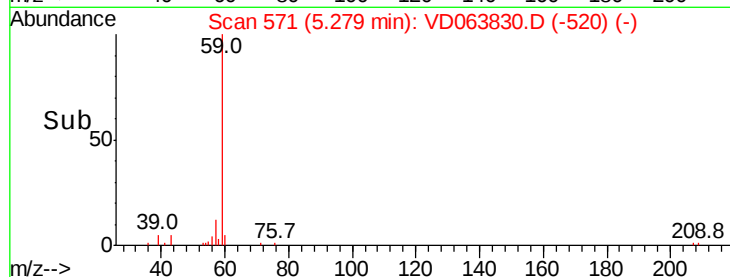
15000

10000

5000

0

Time--> 5.10 5.20 5.30 5.40



#12

1,1-Dichloroethene

Concen: 63.956 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

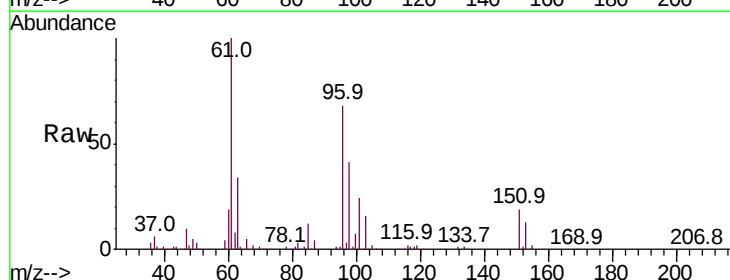
Tgt Ion: 96 Resp: 144530

Ion Ratio Lower Upper

96 100

61 148.1 129.0 193.4

98 60.8 47.8 71.6



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

100000

80000

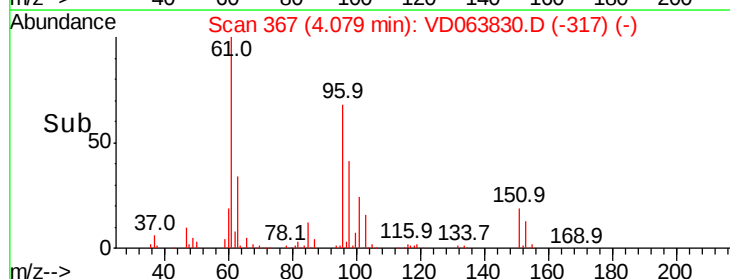
60000

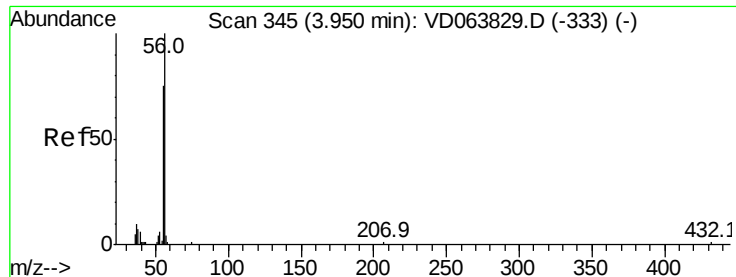
40000

20000

0

Time--> 4.00 4.10 4.20





#13

Acrolein

Concen: 355.098 ug/l

RT: 3.94 min Scan# 344

Delta R.T. -0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

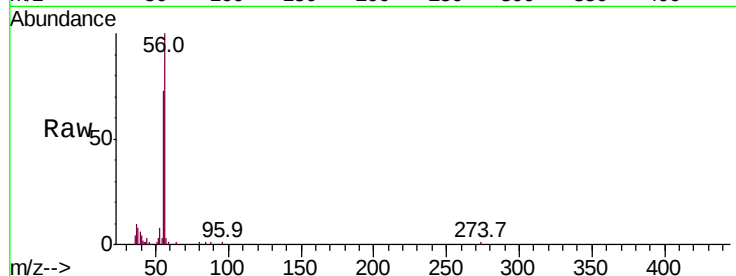
ClientSampleId :

Tot Ion: 56 Resp: 83466

Ion Ratio Lower Upper

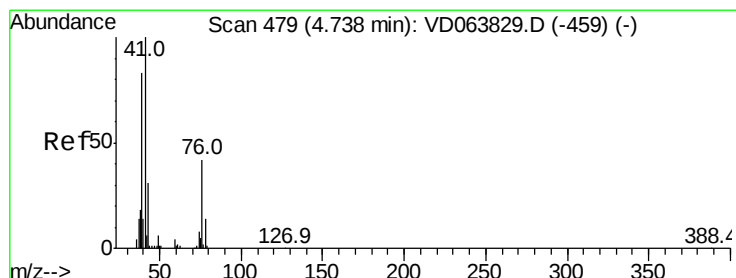
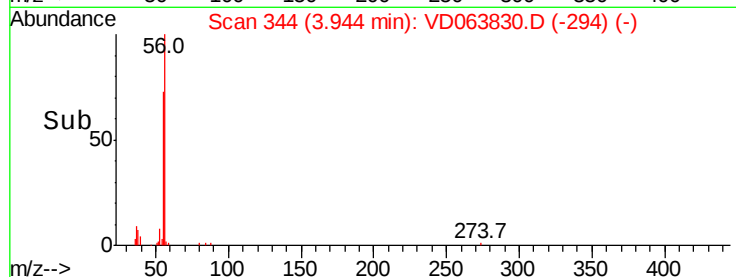
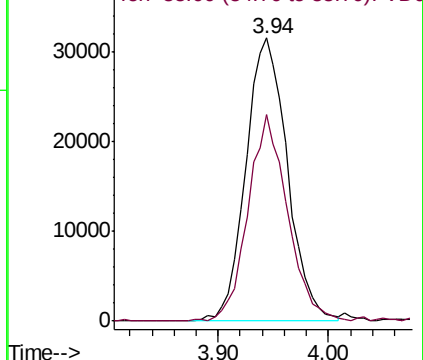
56 100

55 69.3 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 63.299 ug/l

RT: 4.73 min Scan# 478

Delta R.T. -0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

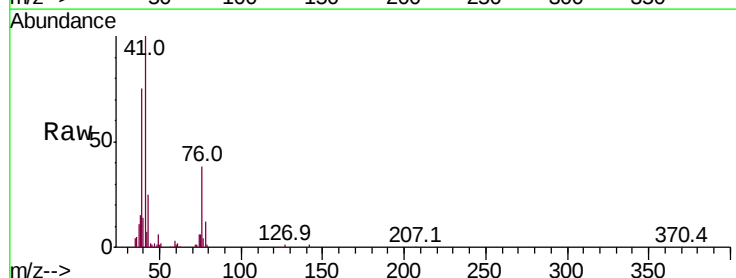
Tgt Ion: 41 Resp: 226107

Ion Ratio Lower Upper

41 100

39 77.5 63.7 95.5

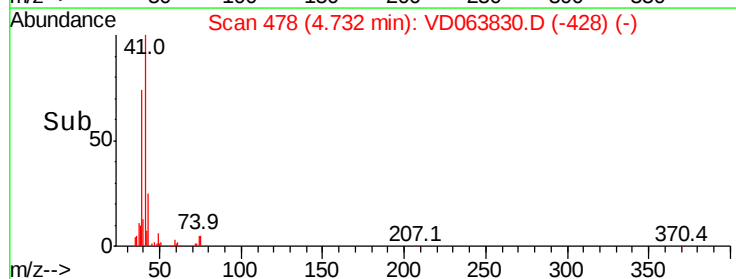
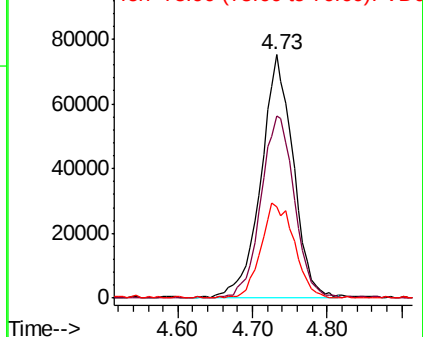
76 40.7 33.5 50.3

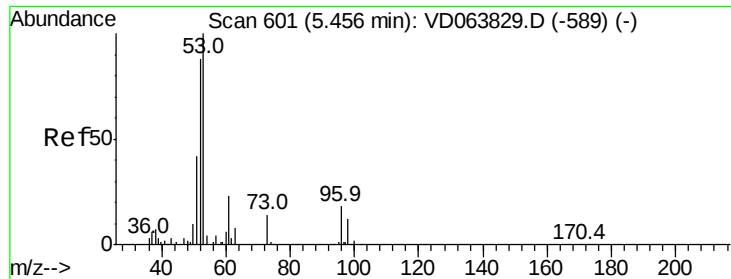


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 337.761 ug/l

RT: 5.46 min Scan# 601

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

ClientSampleId :

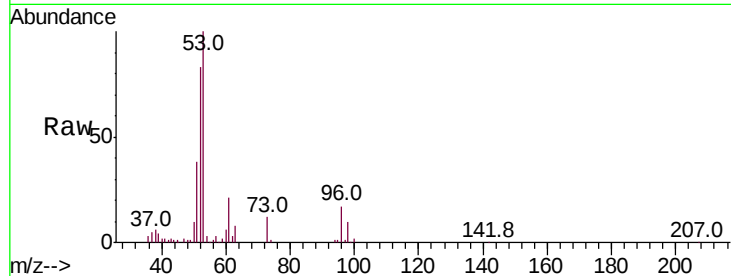
Tot Ion: 53 Resp: 183614

Ion Ratio Lower Upper

53 100

52 81.2 68.7 103.1

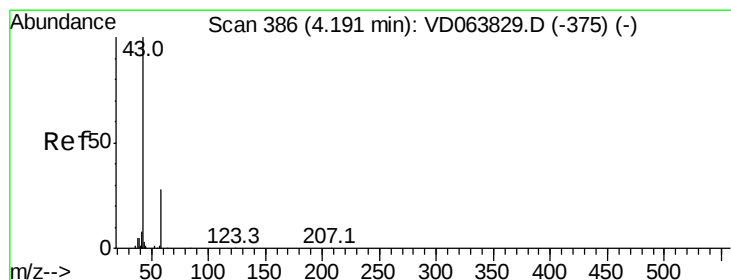
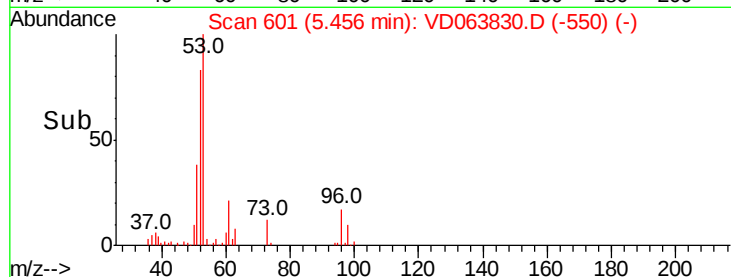
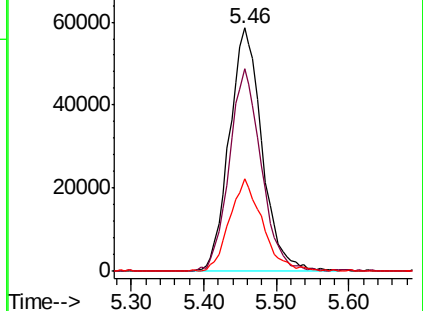
51 38.4 30.7 46.1



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: 310.926 ug/l

RT: 4.19 min Scan# 385

Delta R.T. -0.01 min

Lab File: VD063830.D

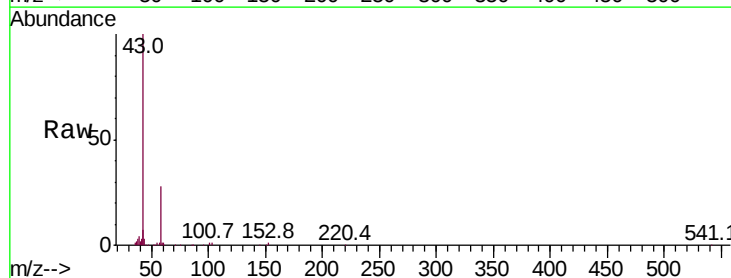
Acq: 25 Sep 2019 18:48

Tgt Ion: 43 Resp: 173919

Ion Ratio Lower Upper

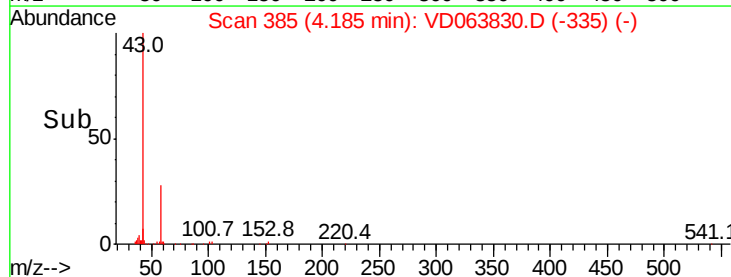
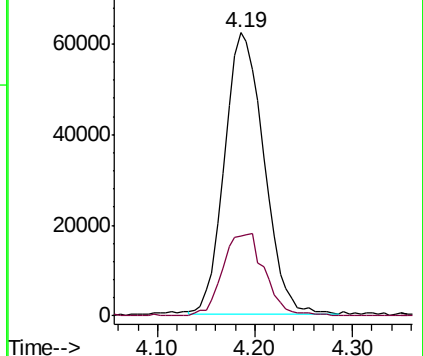
43 100

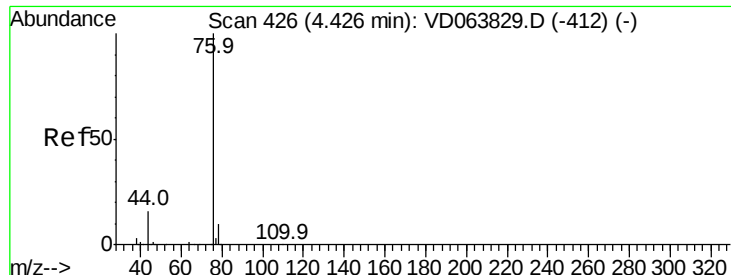
58 28.6 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

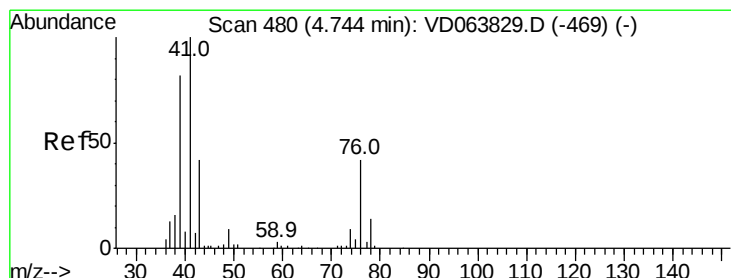
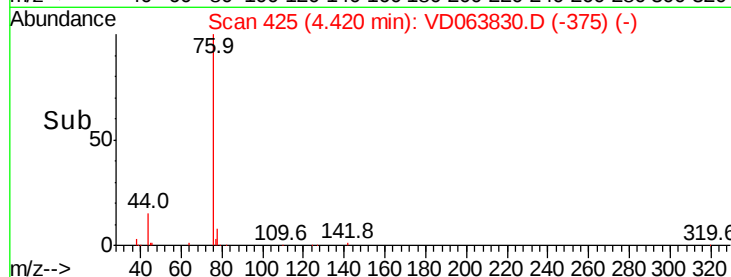
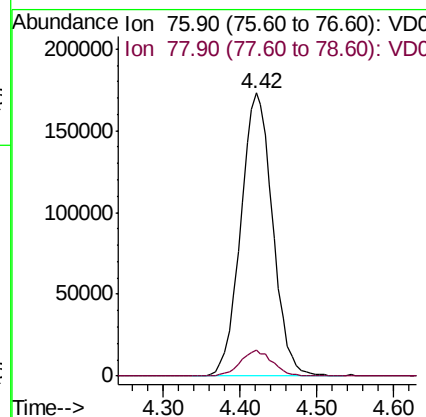
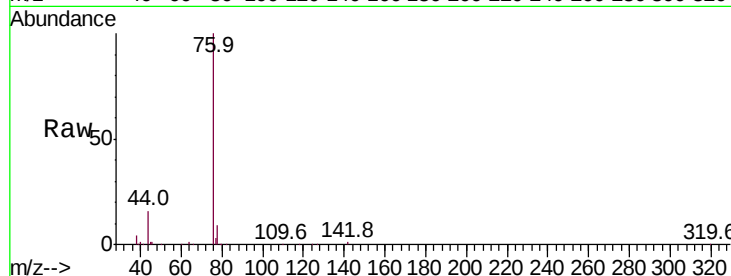




#17
Carbon Disulfide
Concen: 65.574 ug/l
RT: 4.42 min Scan# 425
Delta R.T. -0.01 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

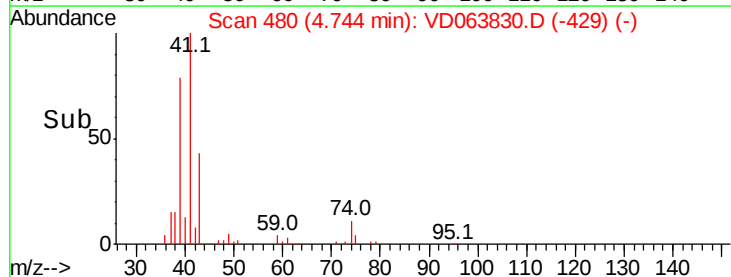
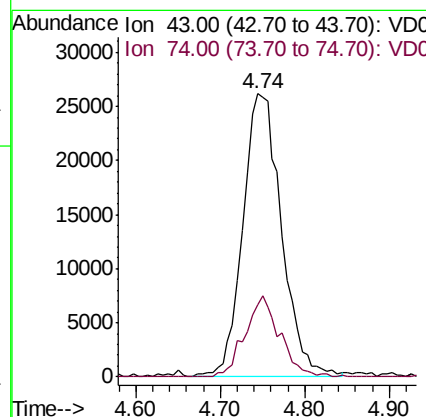
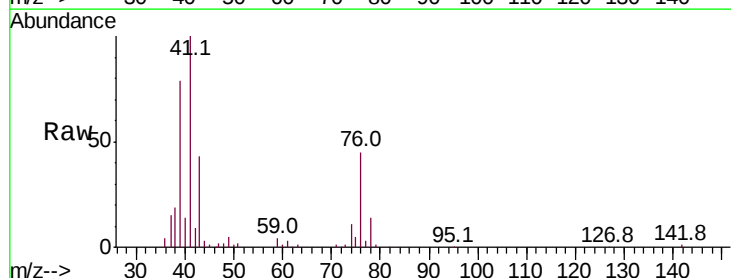
Instrument :
MSVOA_D
ClientSampleId :

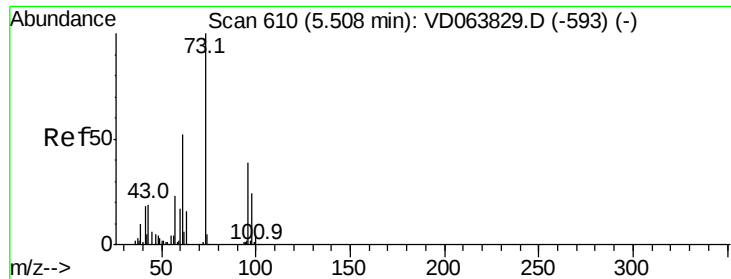
Tot Ion: 76 Resp: 500936
Ion Ratio Lower Upper
76 100
78 9.0 7.9 11.9



#18
Methyl Acetate
Concen: 60.456 ug/l
RT: 4.74 min Scan# 480
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Tgt Ion: 43 Resp: 83261
Ion Ratio Lower Upper
43 100
74 25.8 18.6 28.0

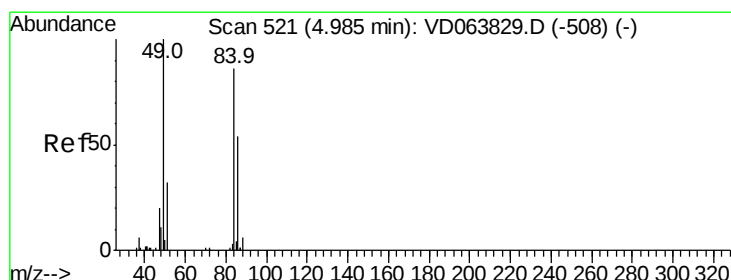
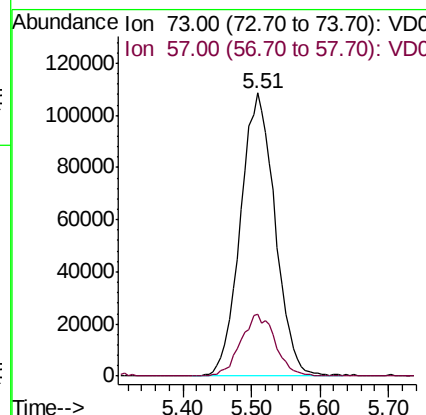
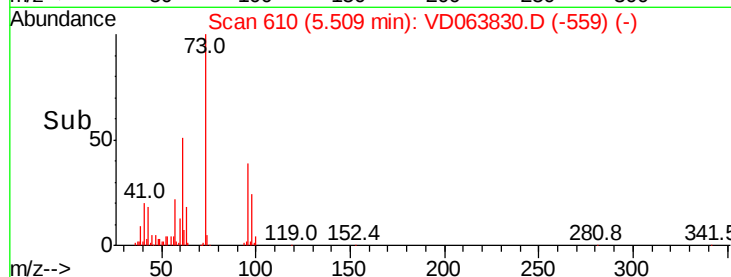
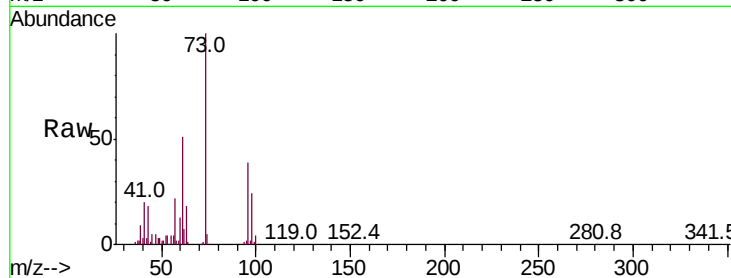




#19
Methvl tert-butvl Ether
Concen: 67.269 ug/l
RT: 5.51 min Scan# 610
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

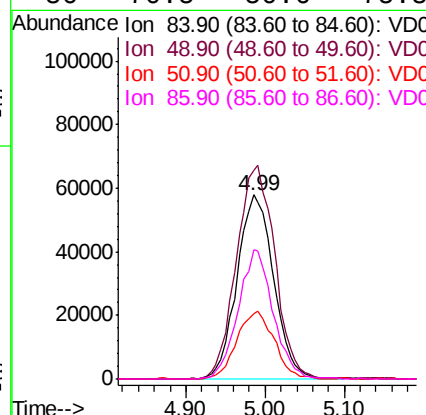
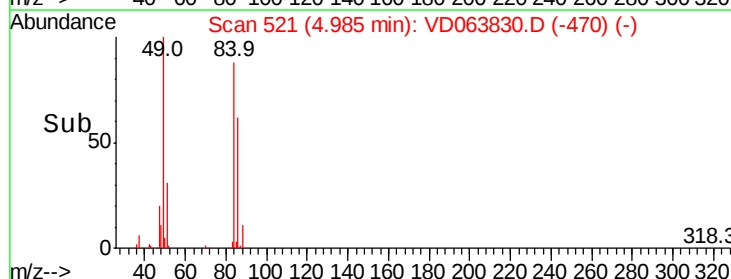
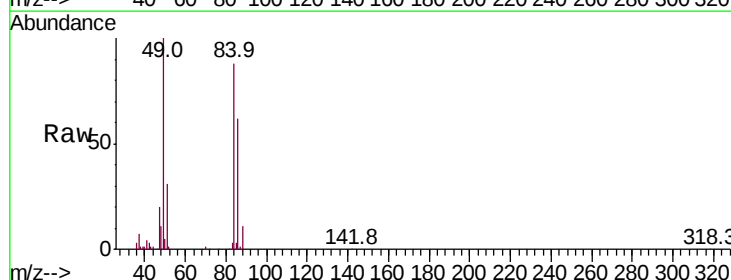
Instrument :
MSVOA_D
ClientSampleId :

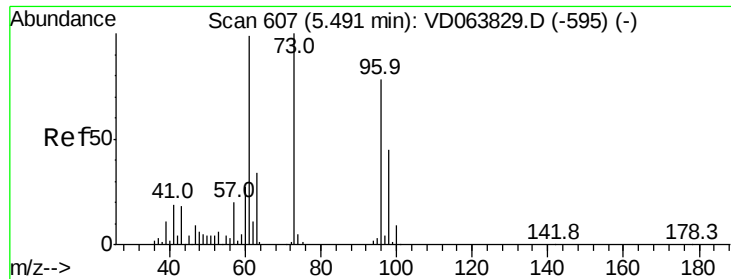
Tot Ion: 73 Resp: 380594
Ion Ratio Lower Upper
73 100
57 21.8 18.7 28.1



#20
Methylene Chloride
Concen: 55.302 ug/l
RT: 4.99 min Scan# 521
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Tgt Ion: 84 Resp: 186119
Ion Ratio Lower Upper
84 100
49 113.4 93.6 140.4
51 35.6 29.8 44.6
86 70.5 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 65.553 ug/l

RT: 5.50 min Scan# 608

Delta R.T. 0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

ClientSampleId :

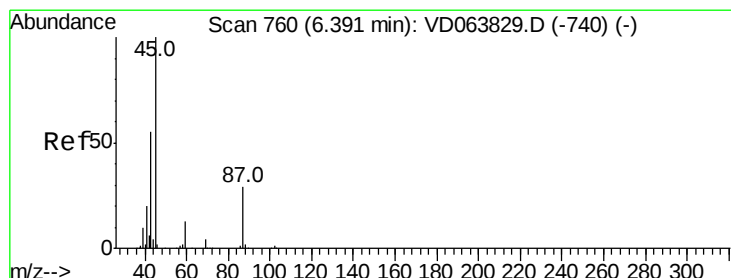
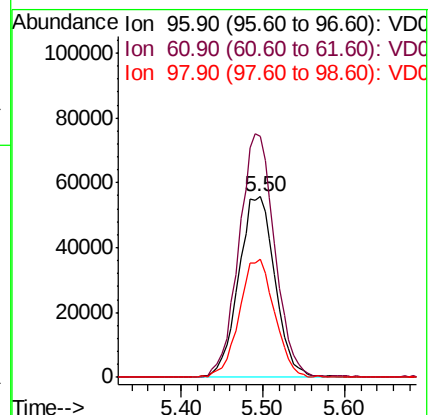
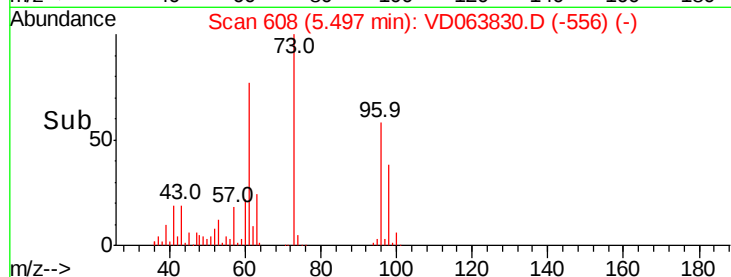
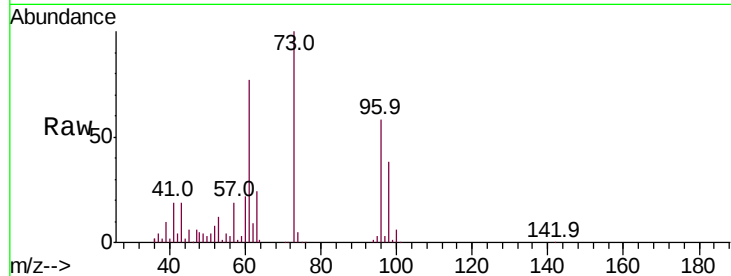
Tot Ion: 96 Resp: 172431

Ion Ratio Lower Upper

96 100

61 133.3 101.3 151.9

98 65.6 45.4 68.2



#22

Diisopropyl ether

Concen: 63.866 ug/l

RT: 6.39 min Scan# 760

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Tgt Ion: 45 Resp: 471178

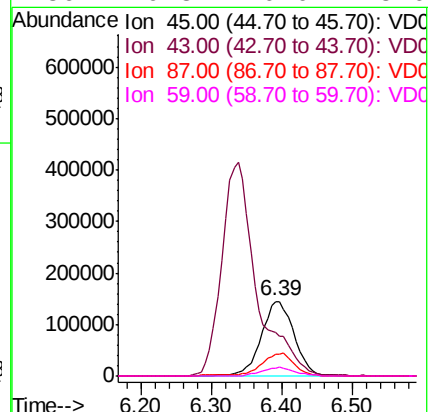
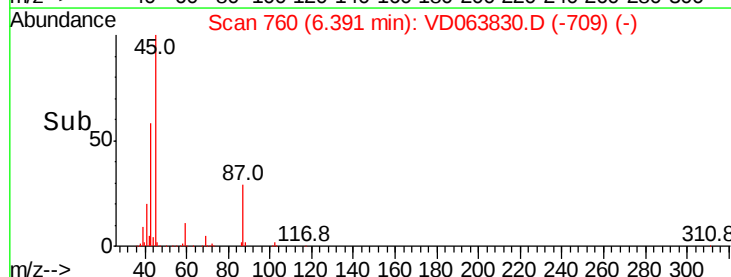
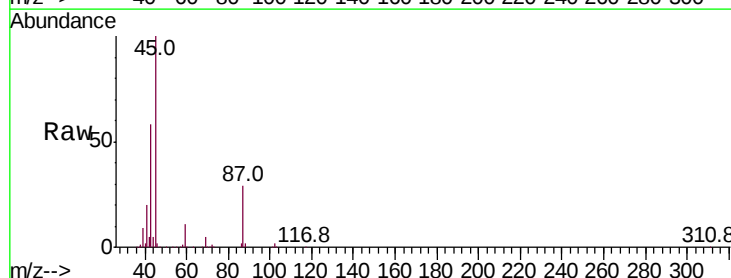
Ion Ratio Lower Upper

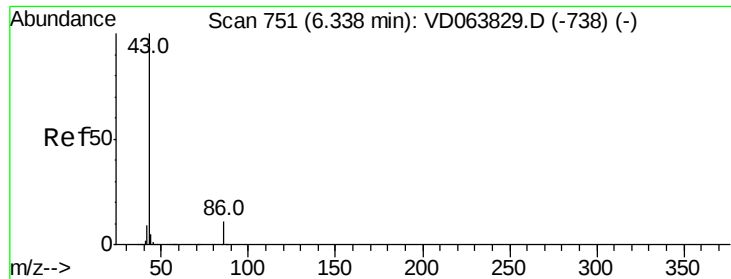
45 100

43 56.9 44.2 66.2

87 29.2 23.9 35.9

59 10.8 10.0 15.0





#23

Vinyl Acetate

Concen: 327.122 ug/l

RT: 6.34 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

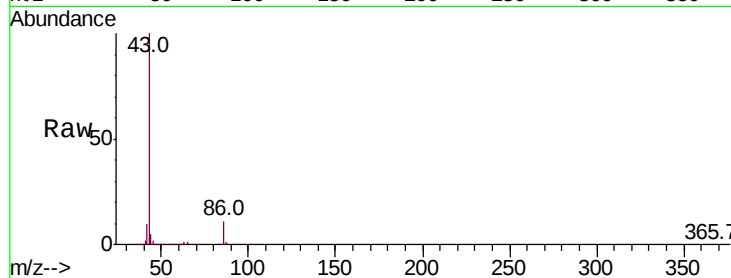
ClientSampleId :

Tot Ion: 43 Resp: 1427445

Ion Ratio Lower Upper

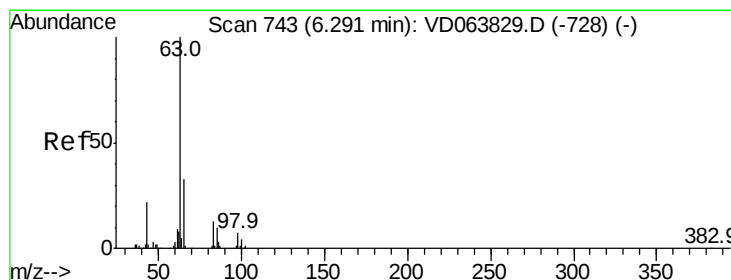
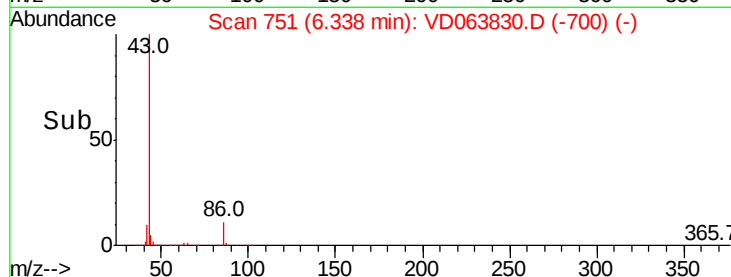
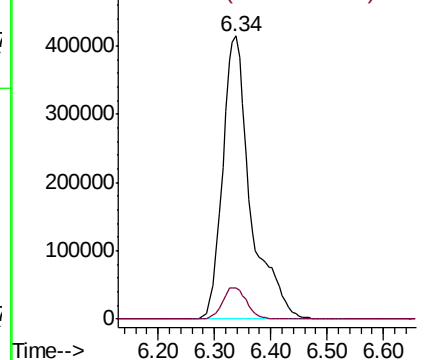
43 100

86 11.2 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 66.099 ug/l

RT: 6.29 min Scan# 743

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

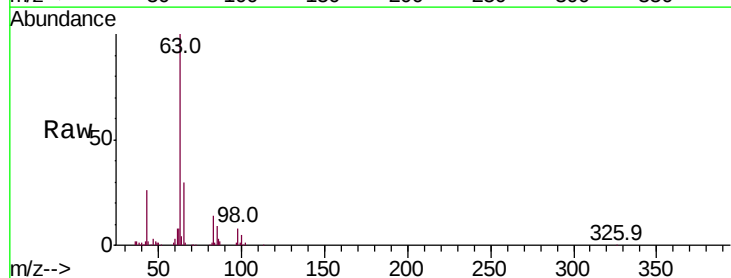
Tgt Ion: 63 Resp: 296266

Ion Ratio Lower Upper

63 100

98 8.1 3.5 10.5

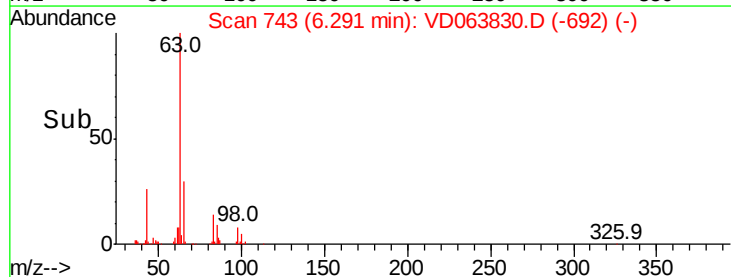
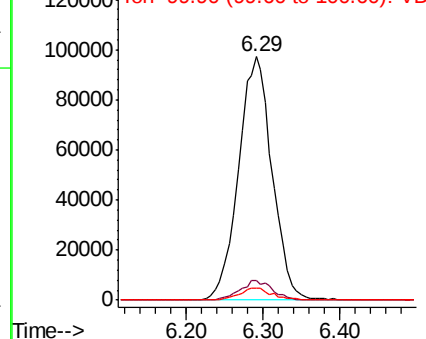
100 4.9 2.0 6.0

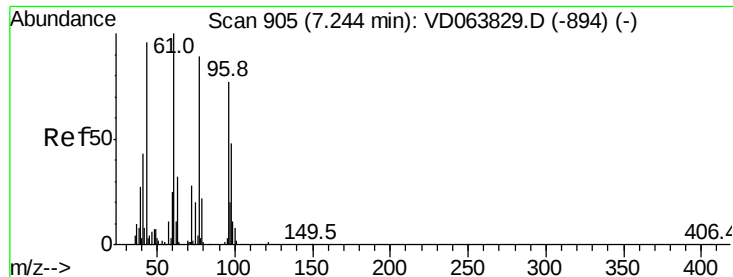


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 316.381 ug/l

RT: 7.24 min Scan# 905

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

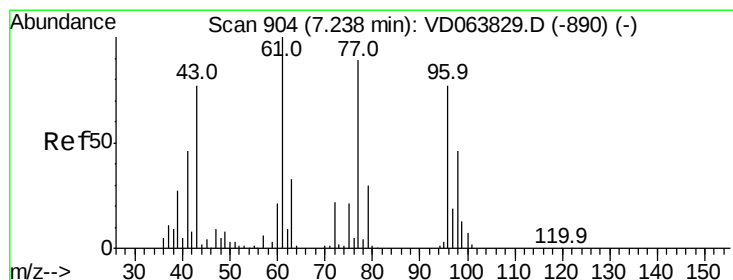
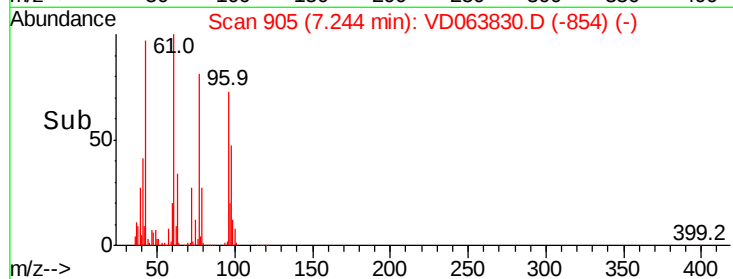
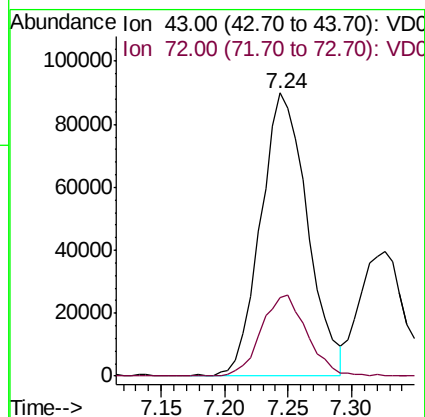
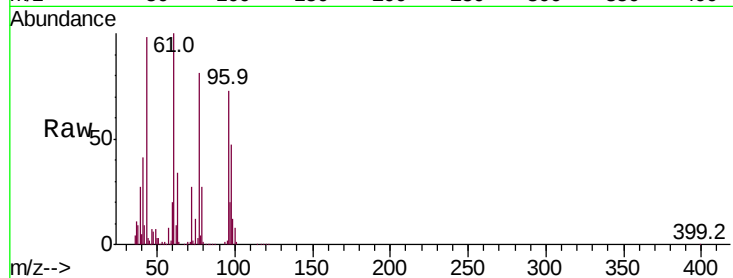
ClientSampled :

Tot Ion: 43 Resp: 231357

Ion Ratio Lower Upper

43 100

72 27.7 23.5 35.3



#26

2,2-Dichloropropane

Concen: 62.832 ug/l

RT: 7.23 min Scan# 903

Delta R.T. -0.01 min

Lab File: VD063830.D

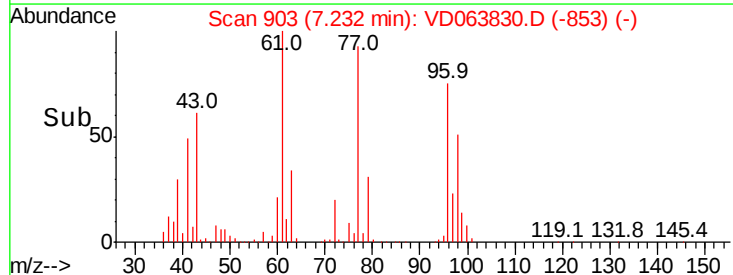
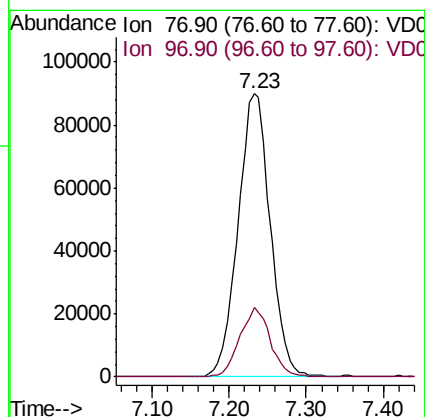
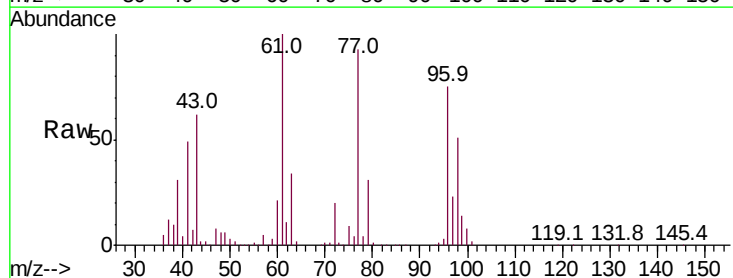
Acq: 25 Sep 2019 18:48

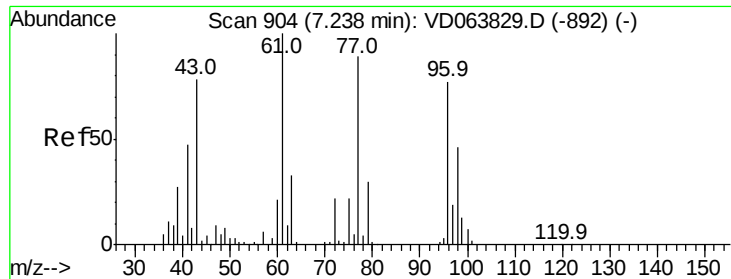
Tgt Ion: 77 Resp: 263376

Ion Ratio Lower Upper

77 100

97 23.1 10.9 32.7



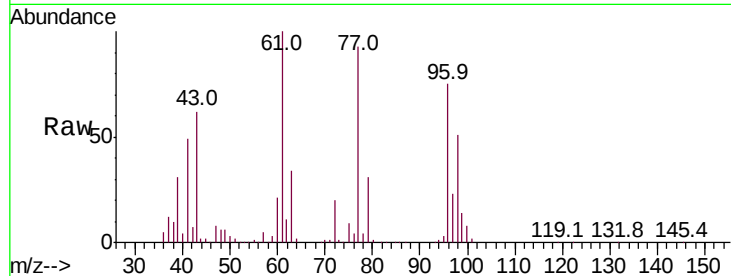


#27

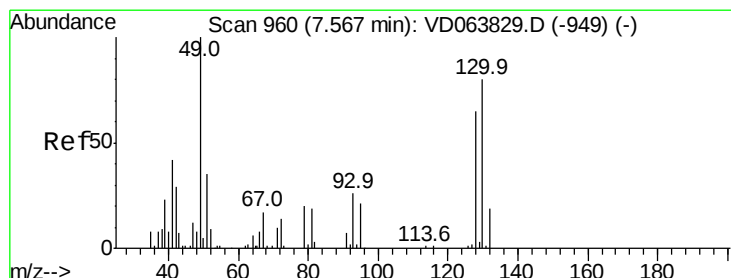
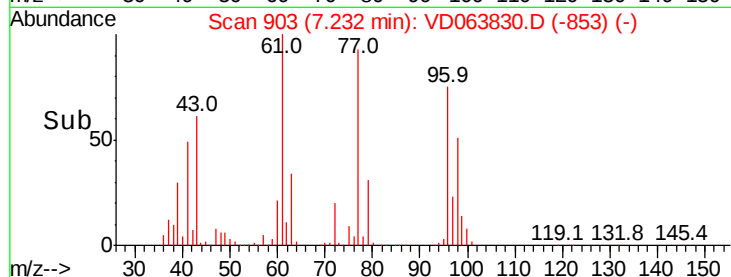
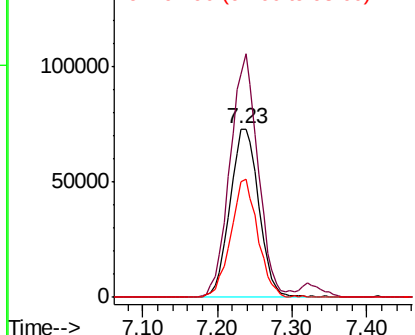
cis-1,2-Dichloroethene
Concen: 66.866 ug/l
RT: 7.23 min Scan# 903
Delta R.T. -0.01 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 197361
Ion Ratio Lower Upper
96 100
61 138.7 0.0 275.6
98 65.2 0.0 130.2



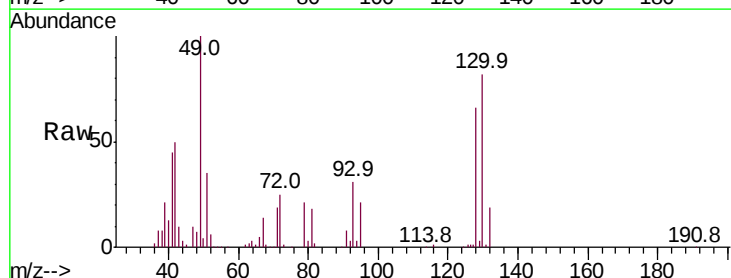
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



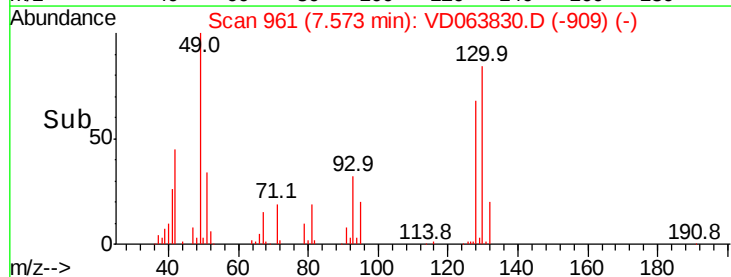
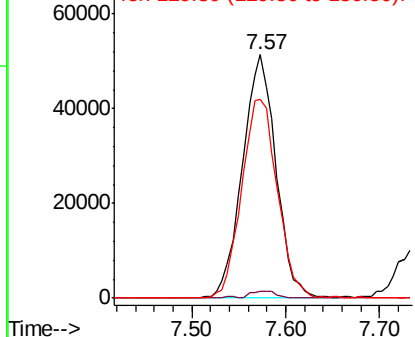
#28

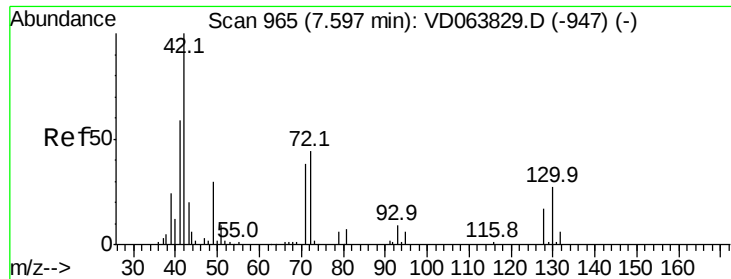
Bromochloromethane
Concen: 72.158 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Tgt Ion: 49 Resp: 126911
Ion Ratio Lower Upper
49 100
129 2.1 0.0 2.6
130 86.8 67.0 100.4



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

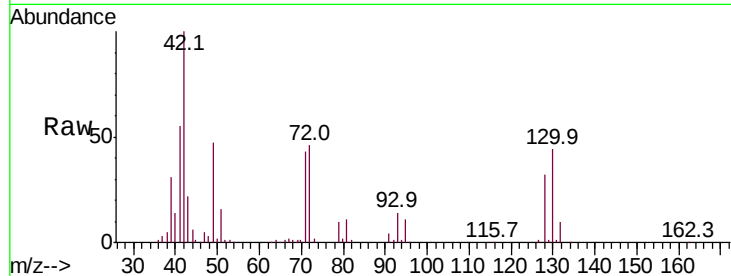




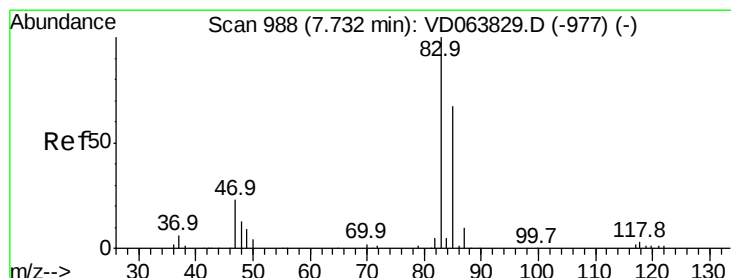
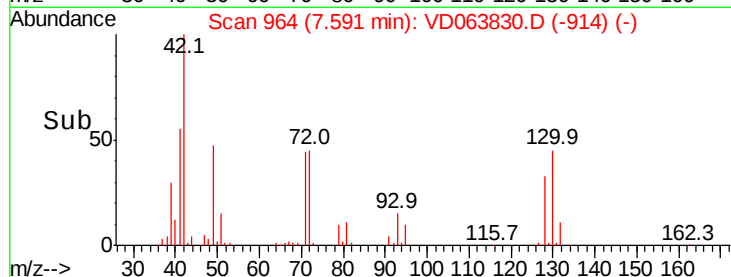
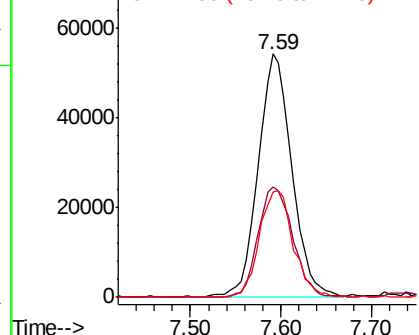
#29
Tetrahydrofuran
Concen: 319.127 ug/l
RT: 7.59 min Scan# 964
Delta R.T. -0.01 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 139830
Ion Ratio Lower Upper
42 100
72 46.9 37.3 55.9
71 44.2 33.4 50.2

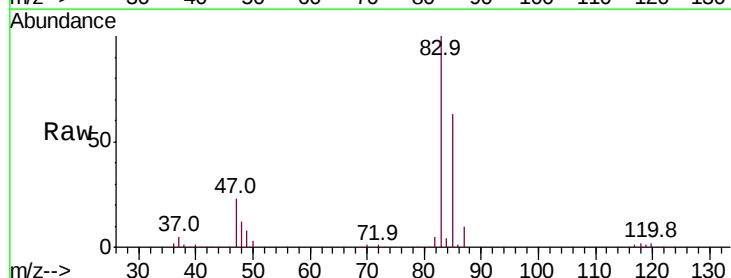


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

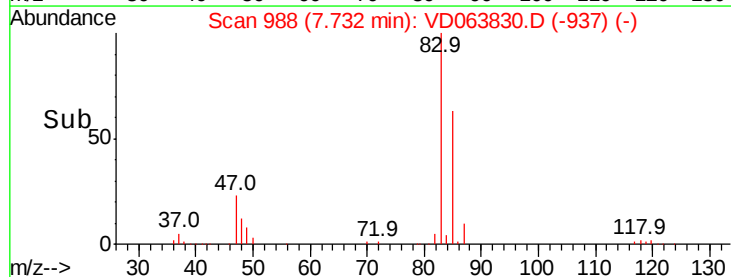
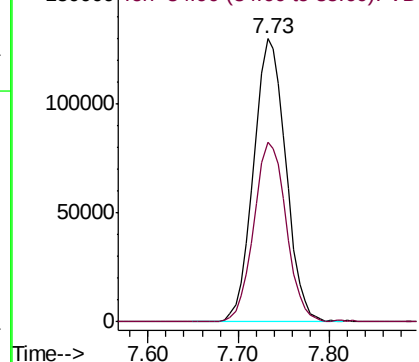


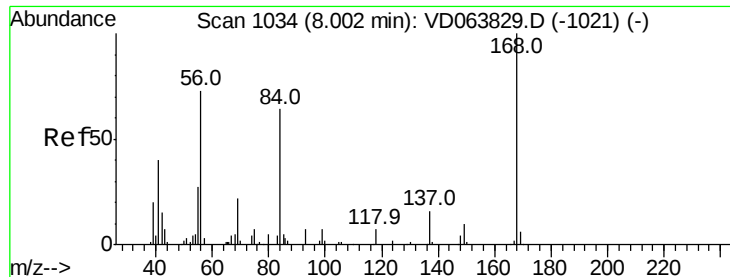
#30
Chloroform
Concen: 66.026 ug/l
RT: 7.73 min Scan# 988
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Tgt Ion: 83 Resp: 321438
Ion Ratio Lower Upper
83 100
85 63.4 53.4 80.2



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

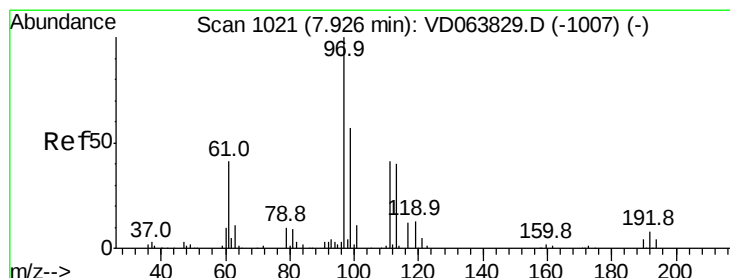
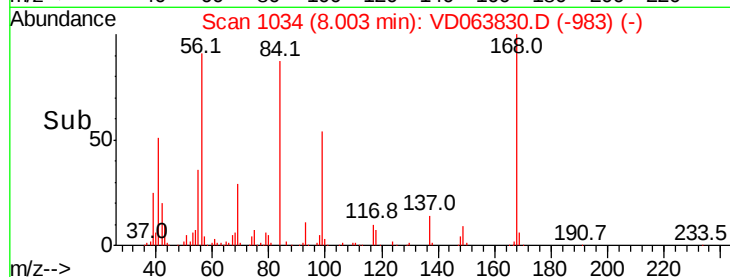
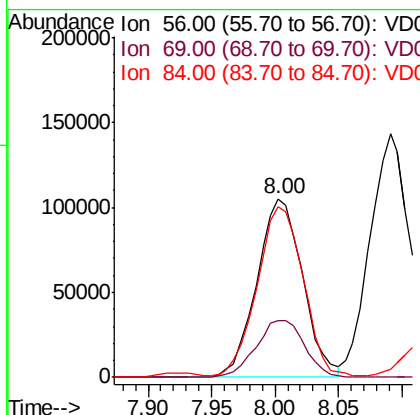
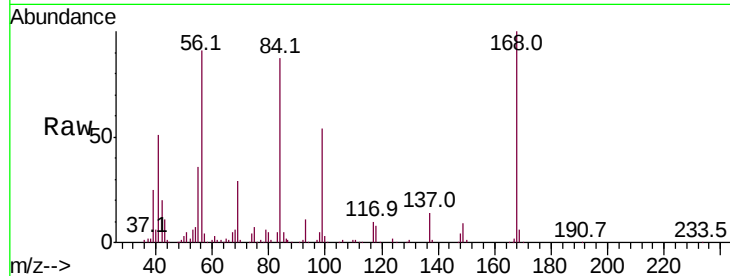




#31
Cyclohexane
Concen: 58.921 ug/l
RT: 8.00 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

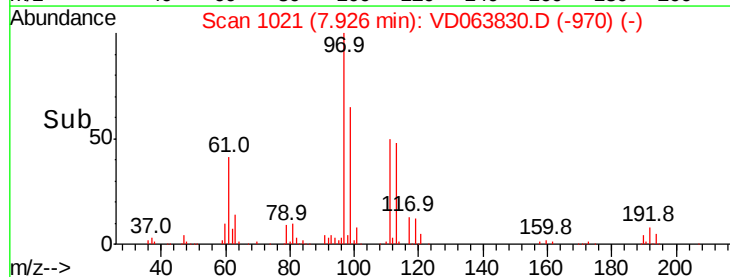
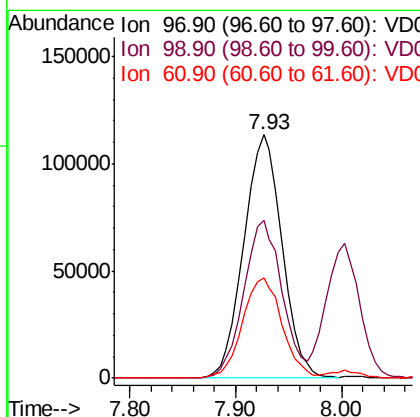
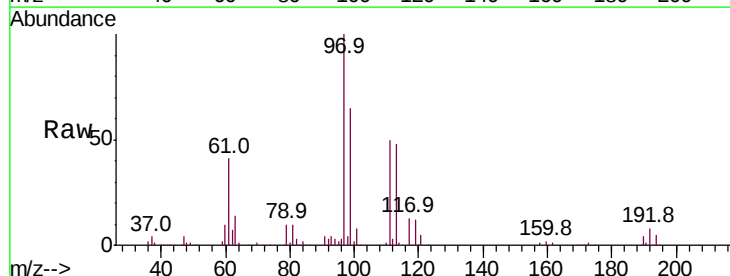
Instrument :
MSVOA_D
ClientSampled :

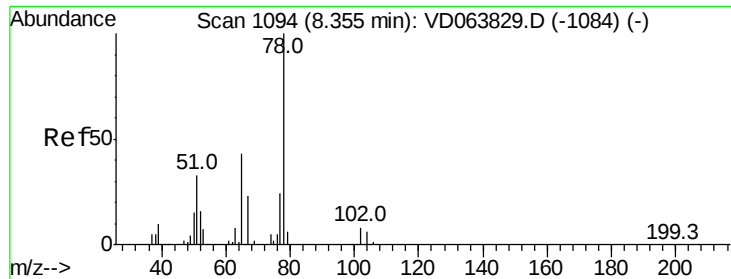
Tot Ion: 56 Resp: 263622
Ion Ratio Lower Upper
56 100
69 31.4 23.1 34.7
84 93.6 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 64.967 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Tgt Ion: 97 Resp: 285991
Ion Ratio Lower Upper
97 100
99 65.1 52.9 79.3
61 42.5 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 72.241 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

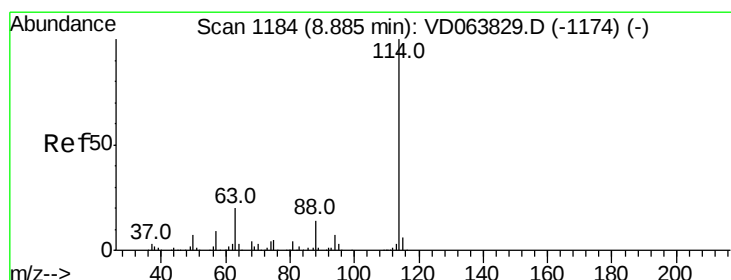
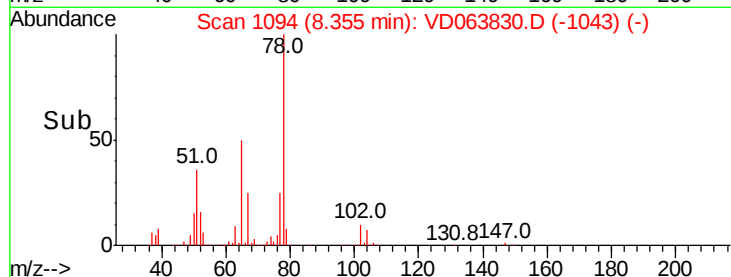
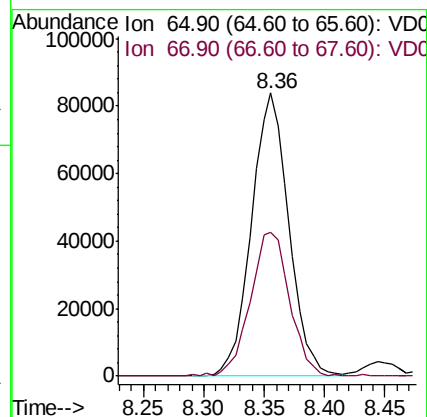
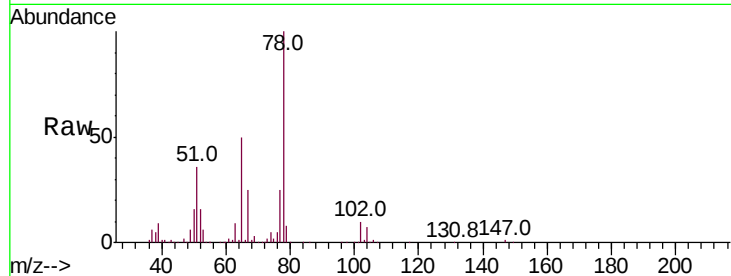
ClientSampleId :

Tot Ion: 65 Resp: 180017

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.88 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

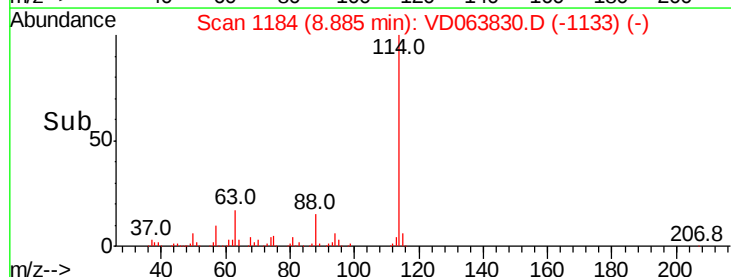
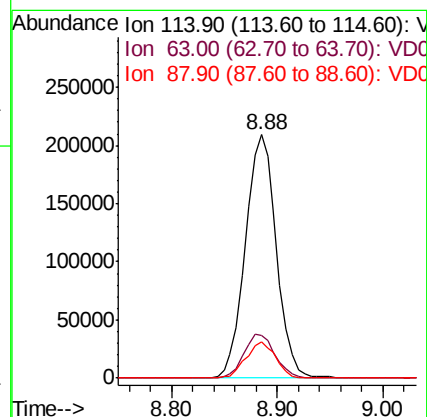
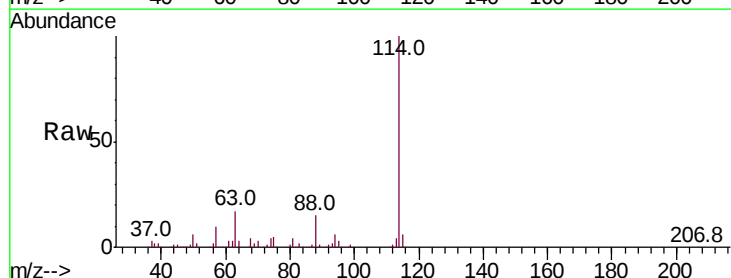
Tgt Ion: 114 Resp: 424643

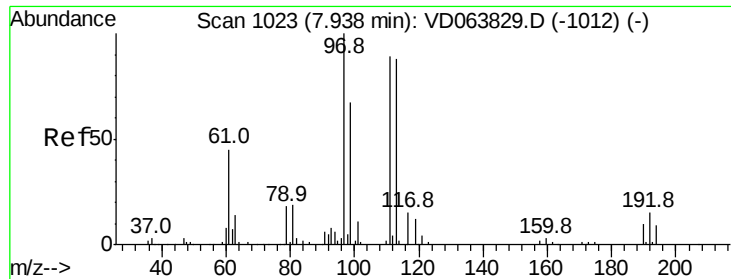
Ion Ratio Lower Upper

114 100

63 17.4 0.0 39.2

88 14.6 0.0 28.4

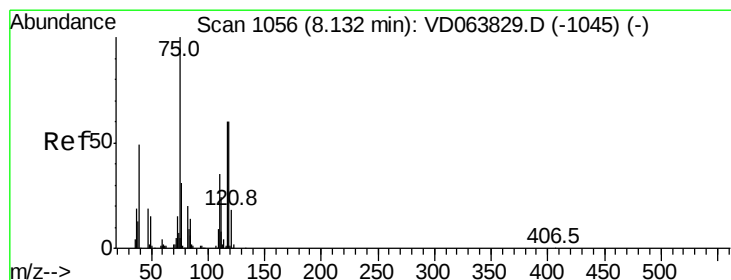
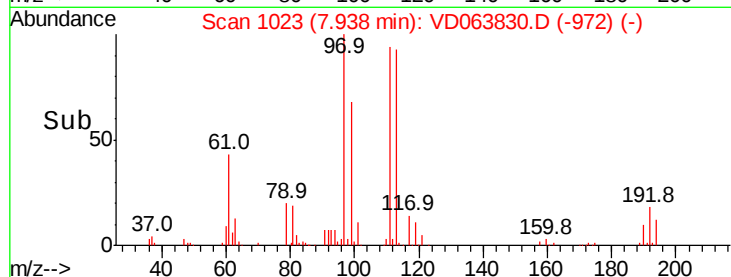
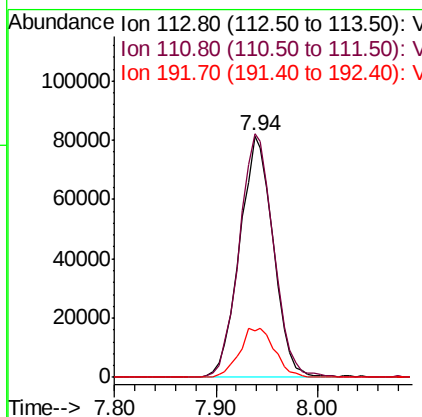
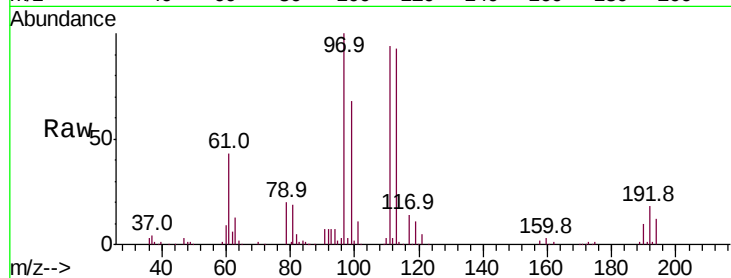




#35
 Dibromofluoromethane
 Concen: 69.494 ug/l
 RT: 7.94 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: VD063830.D
 Acq: 25 Sep 2019 18:48

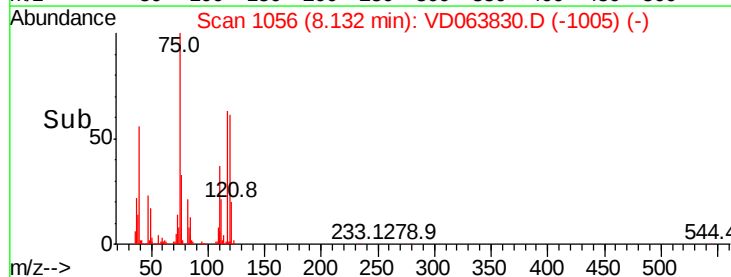
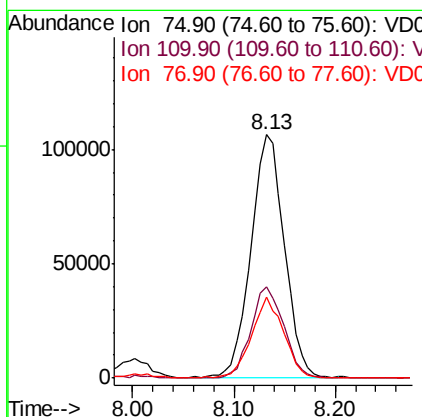
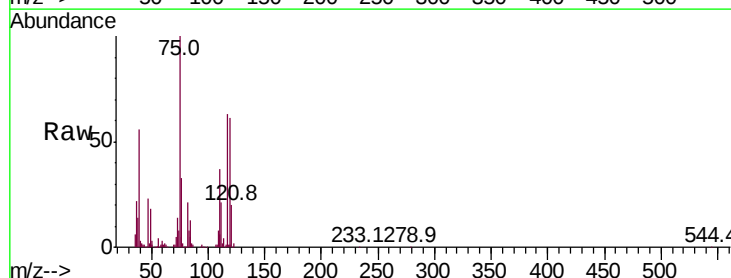
Instrument :
 MSVOA_D
 ClientSampleId :

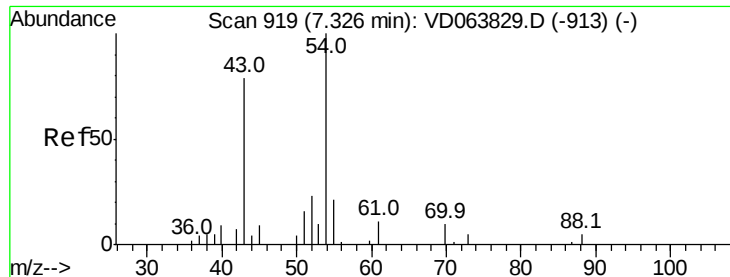
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	77.7	116.5
192	21.2	15.9	23.9



#36
 1,1-Dichloropropene
 Concen: 63.094 ug/l
 RT: 8.13 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VD063830.D
 Acq: 25 Sep 2019 18:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	17.5	52.5
77	31.9	24.9	37.3

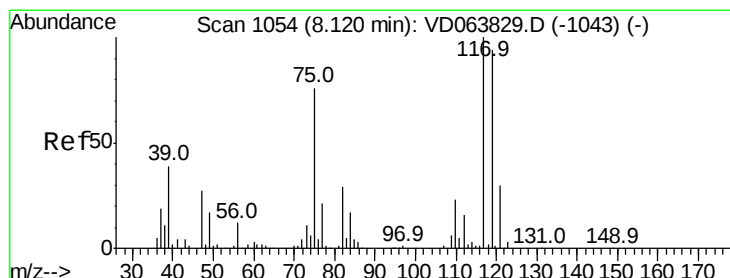
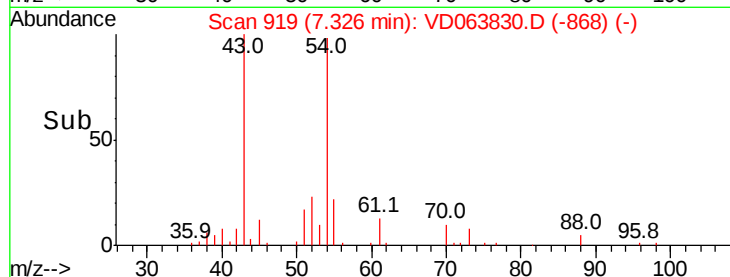
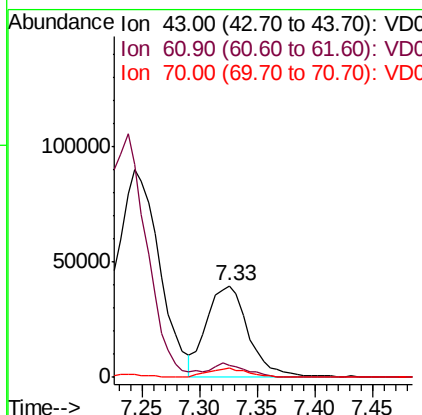
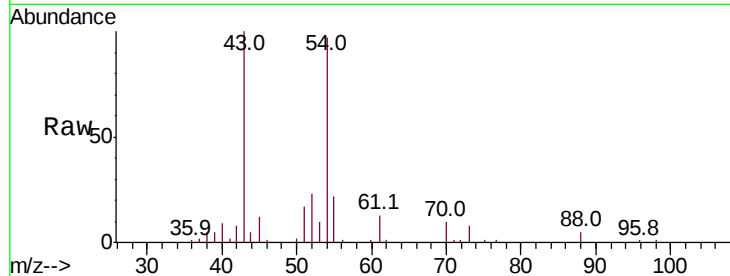




#37
Ethyl Acetate
Concen: 61.037 ug/l
RT: 7.33 min Scan# 919
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

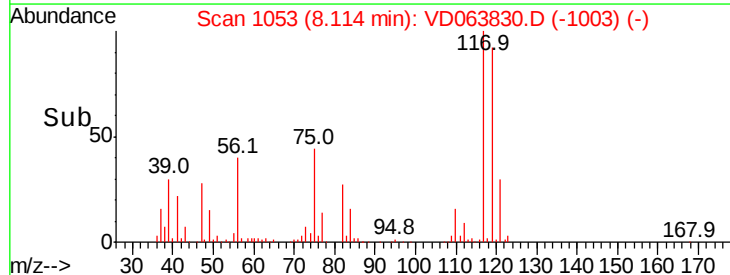
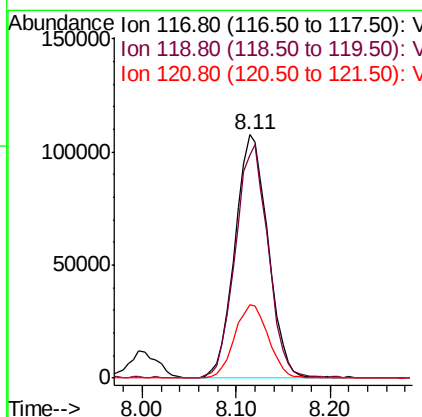
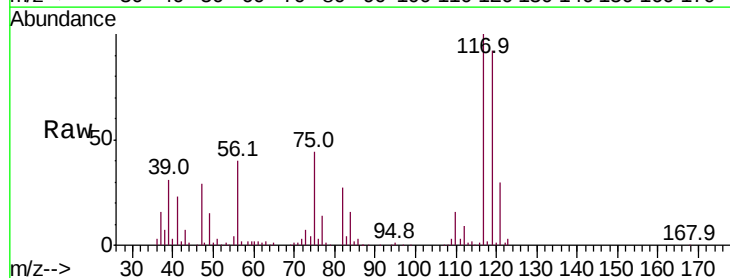
Instrument :
MSVOA_D
ClientSampleId :

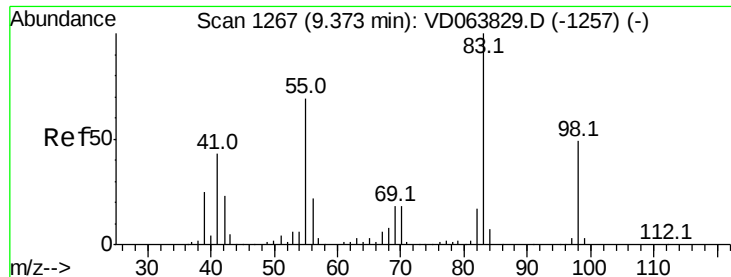
Tot Ion: 43 Resp: 98739
Ion Ratio Lower Upper
43 100
61 12.7 12.7 19.1
70 9.7 8.3 12.5



#38
Carbon Tetrachloride
Concen: 65.405 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Tgt Ion: 117 Resp: 263680
Ion Ratio Lower Upper
117 100
119 91.5 75.2 112.8
121 29.9 23.9 35.9

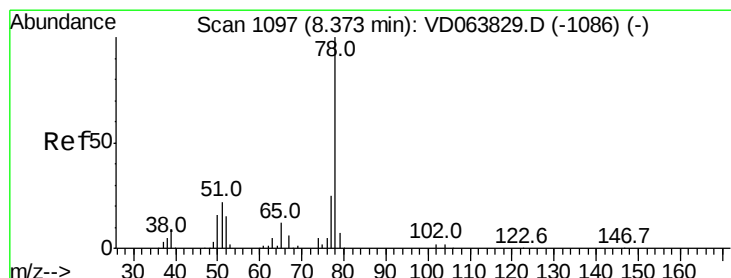
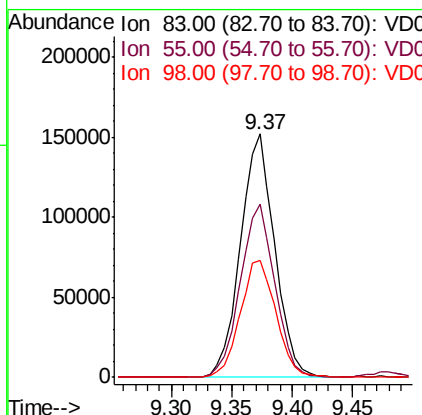
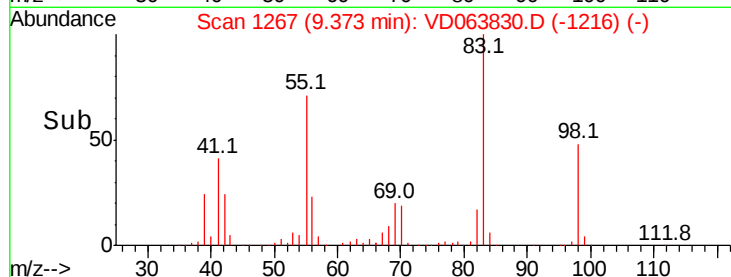
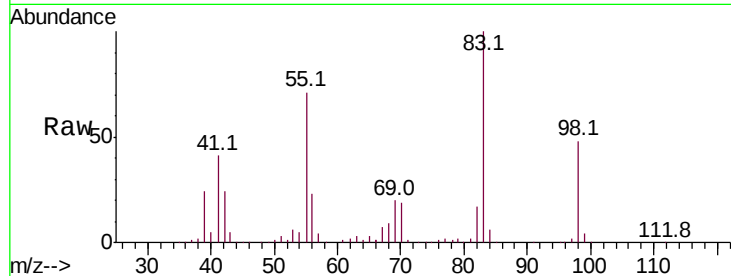




#39
Methvlcvclohexane
Concen: 62.573 ug/l
RT: 9.37 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

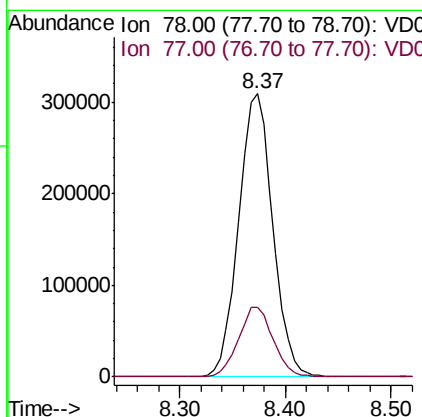
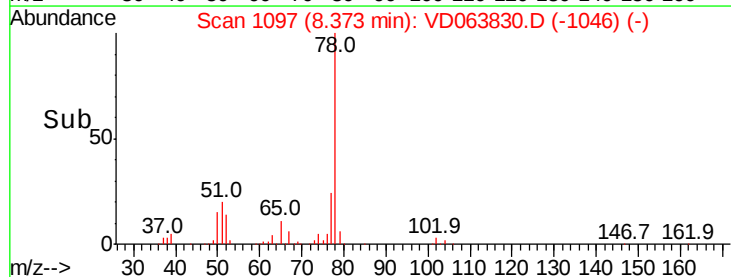
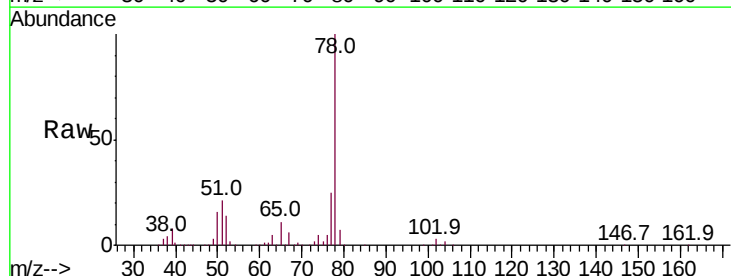
Instrument :
MSVOA_D
ClientSampleId :

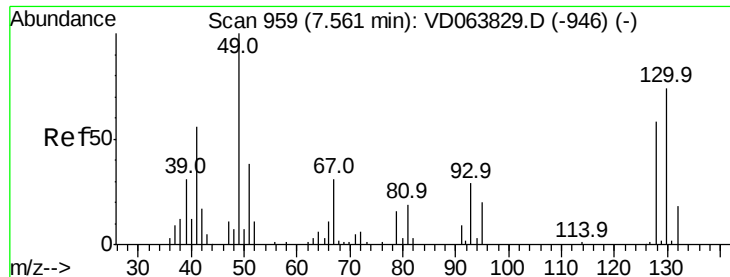
Tot Ion	83	Resp	301787
Ion Ratio	Lower	Upper	
83	100		
55	71.0	54.9	82.3
98	48.1	39.0	58.6



#40
Benzene
Concen: 64.896 ug/l
RT: 8.37 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Tgt Ion	78	Resp	692268
Ion Ratio	Lower	Upper	
78	100		
77	24.7	19.8	29.6





#41

Methacrylonitrile

Concen: 60.858 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 58144

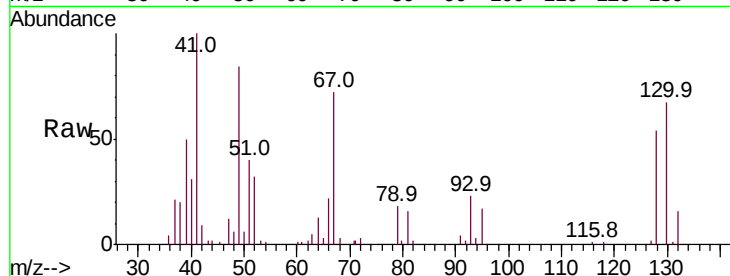
Ion Ratio Lower Upper

41 100

39 59.7 52.2 78.4

67 79.3 58.6 87.8

52 31.8 26.6 39.8

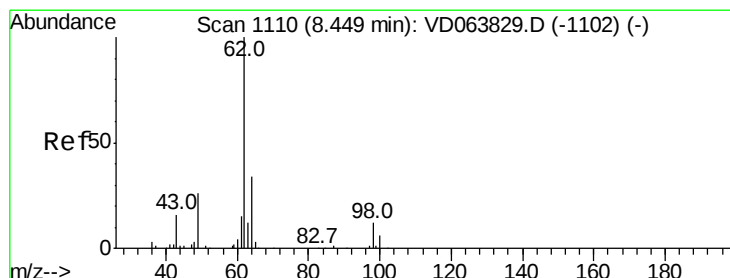
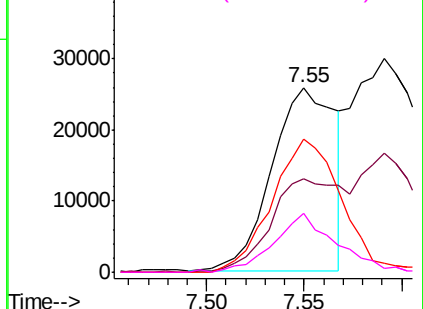
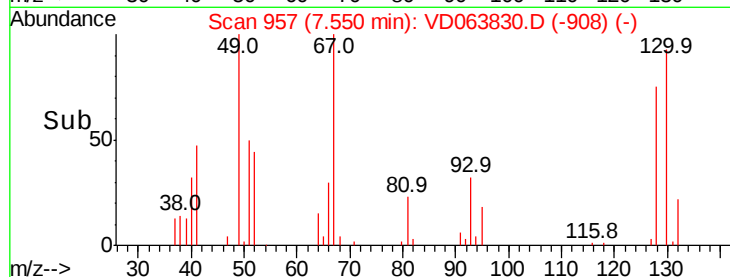


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 64.324 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD063830.D

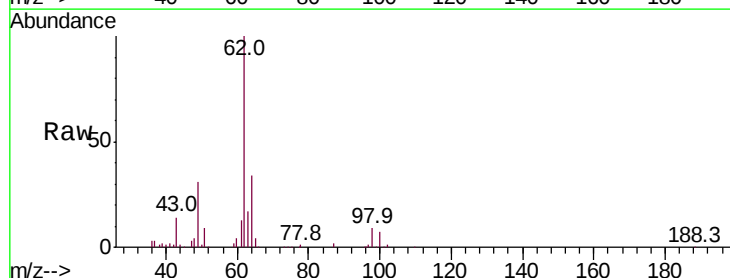
Acq: 25 Sep 2019 18:48

Tgt Ion: 62 Resp: 200648

Ion Ratio Lower Upper

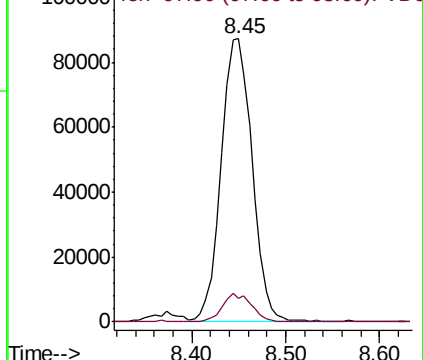
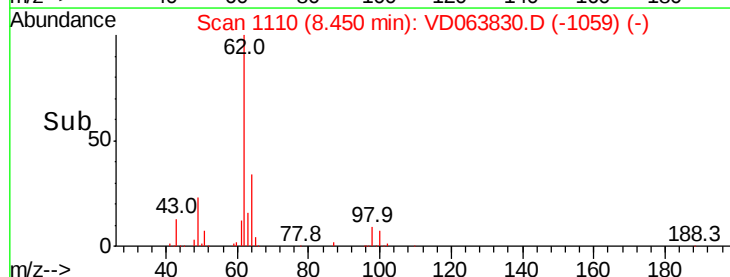
62 100

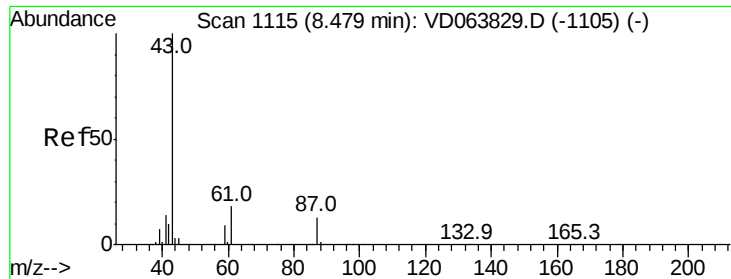
98 9.4 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

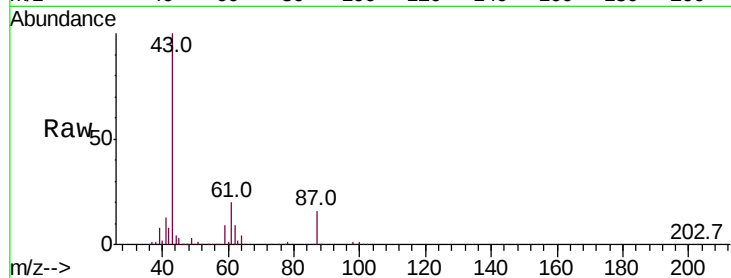




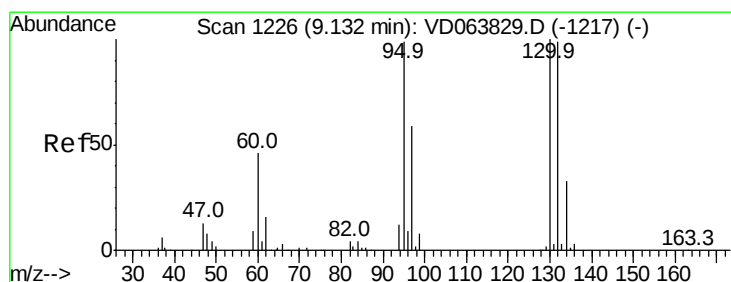
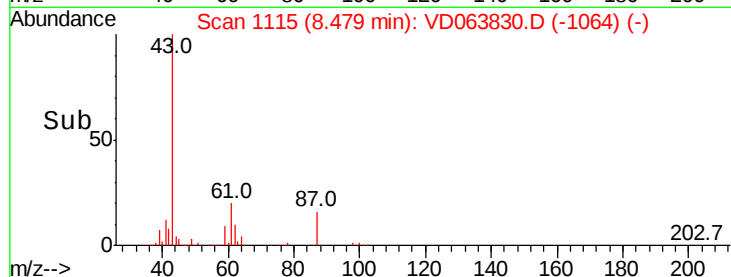
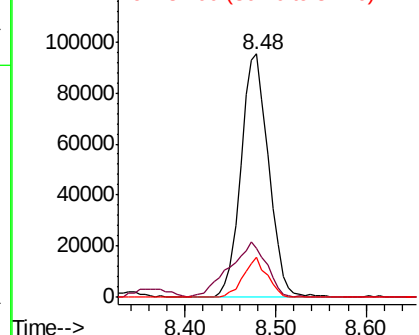
#43
Isopropyl Acetate
Concen: 62.482 ug/l
RT: 8.48 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 202633
Ion Ratio Lower Upper
43 100
61 30.5 24.6 37.0
87 14.2 10.5 15.7

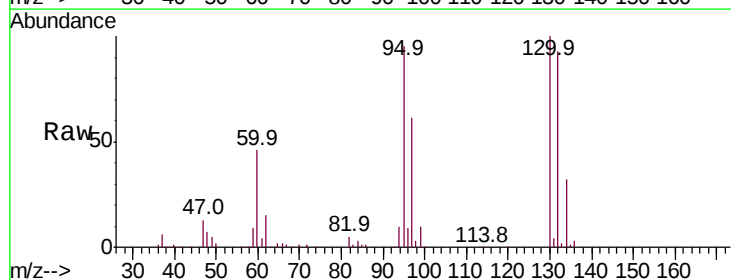


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

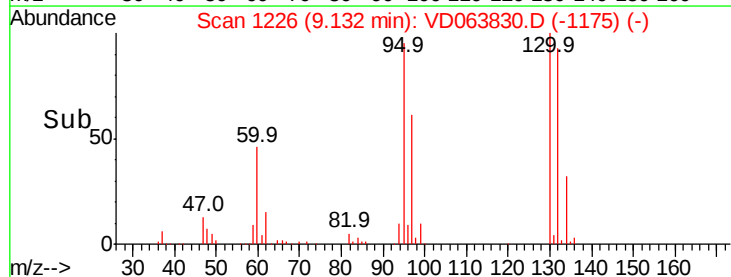
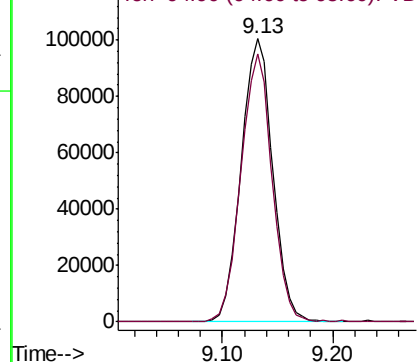


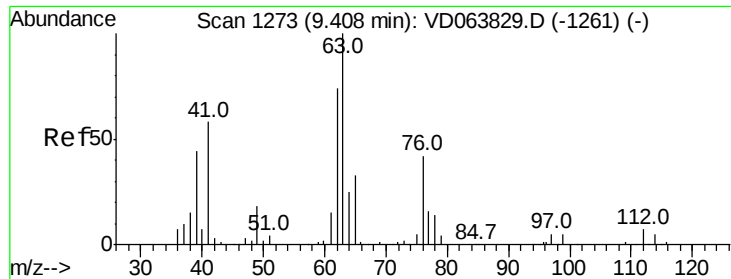
#44
Trichloroethene
Concen: 65.554 ug/l
RT: 9.13 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Tgt Ion:130 Resp: 202511
Ion Ratio Lower Upper
130 100
95 94.6 0.0 198.6



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





#45

1,2-Dichloropropane

Concen: 64.568 ug/l

RT: 9.41 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

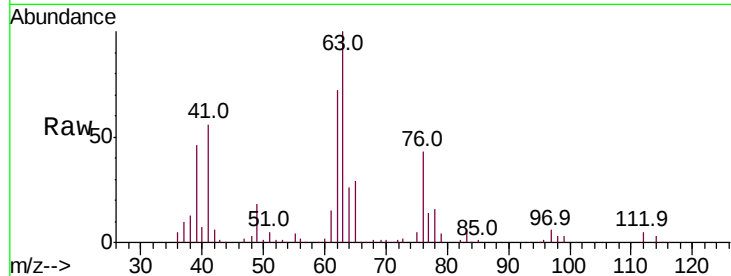
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 63 Resp: 170142

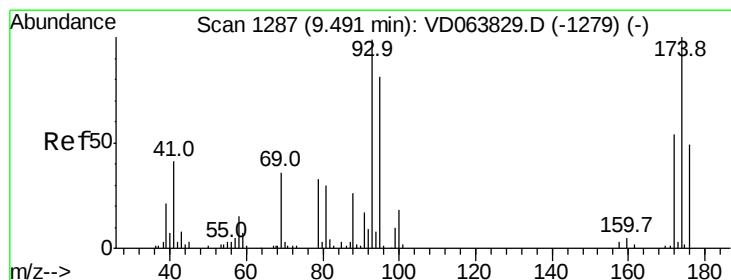
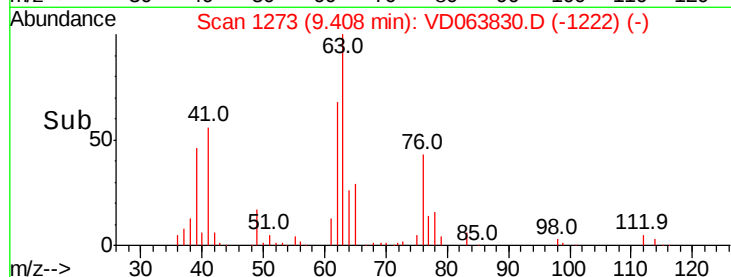
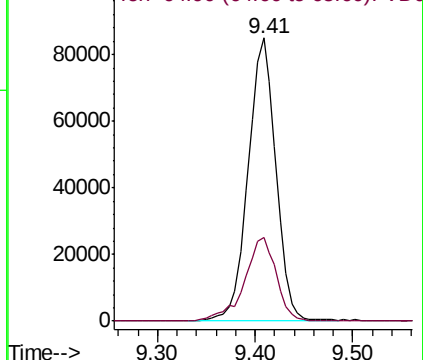
Ion Ratio Lower Upper

63 100

65 29.4 26.8 40.2



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 67.039 ug/l

RT: 9.50 min Scan# 1288

Delta R.T. 0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

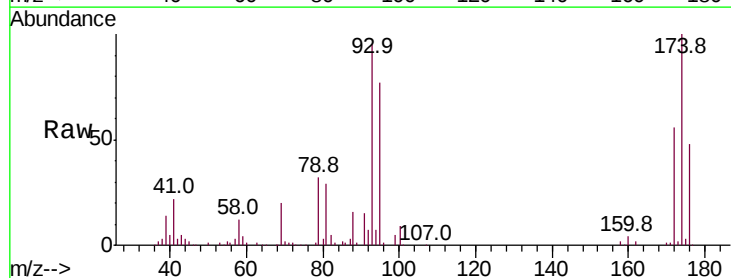
Tgt Ion: 93 Resp: 99706

Ion Ratio Lower Upper

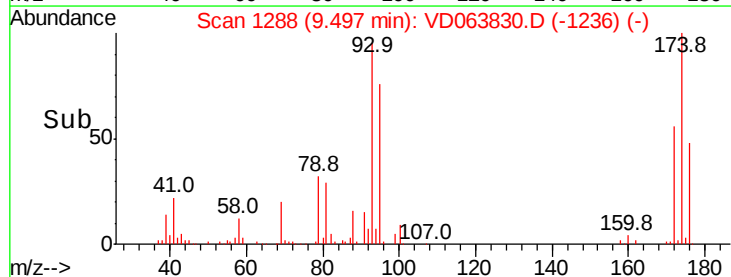
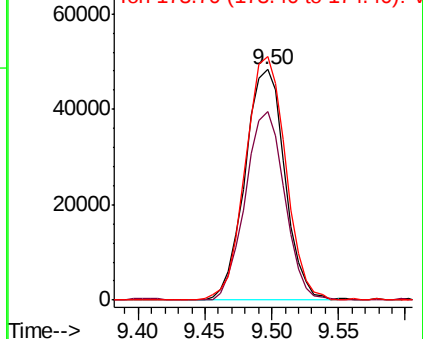
93 100

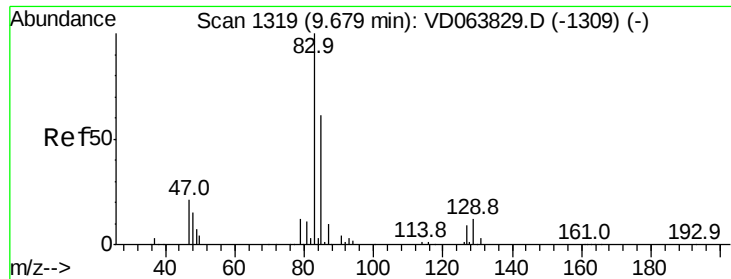
95 80.8 63.8 95.8

174 106.3 84.2 126.2



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

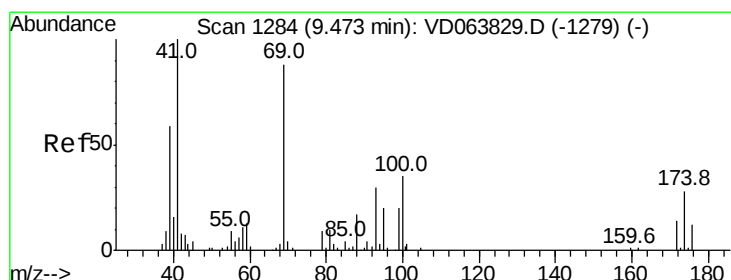
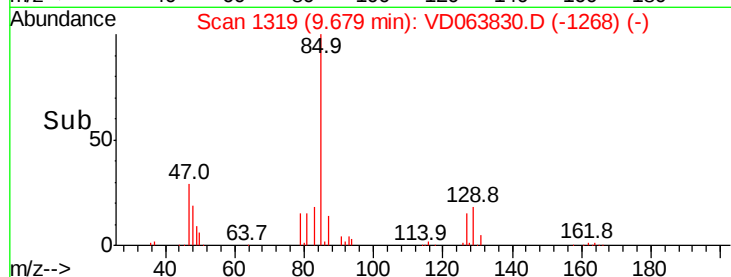
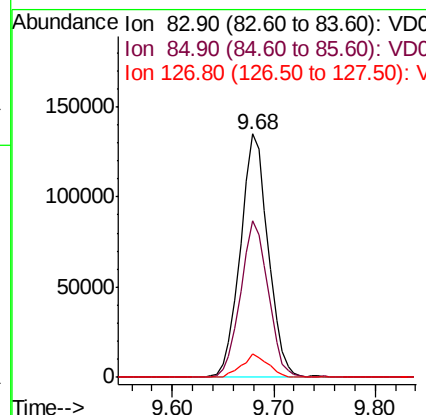
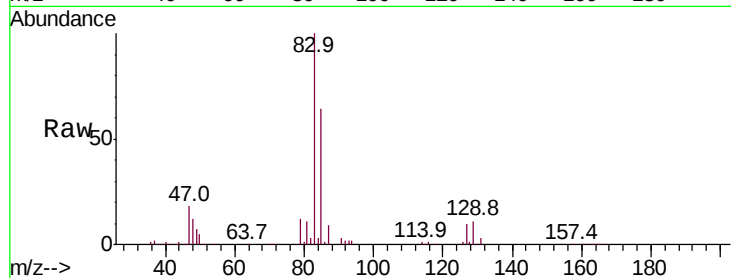




#47
 Bromodichloromethane
 Concen: 66.799 ug/l
 RT: 9.68 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: VD063830.D
 Acq: 25 Sep 2019 18:48

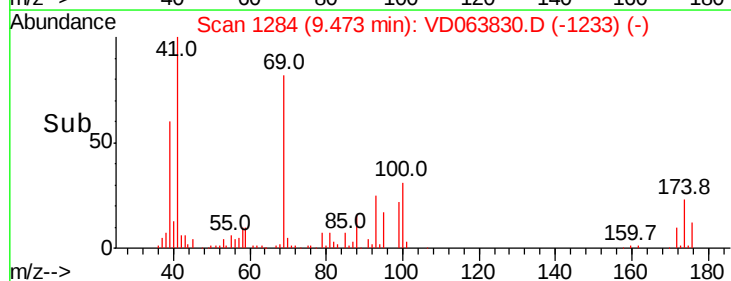
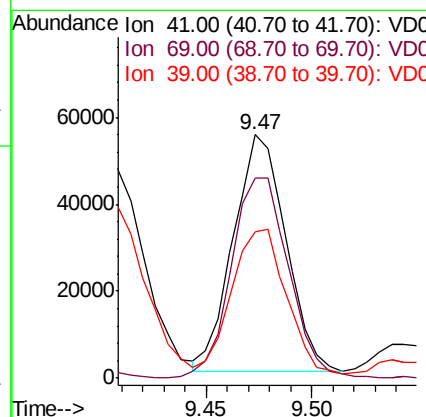
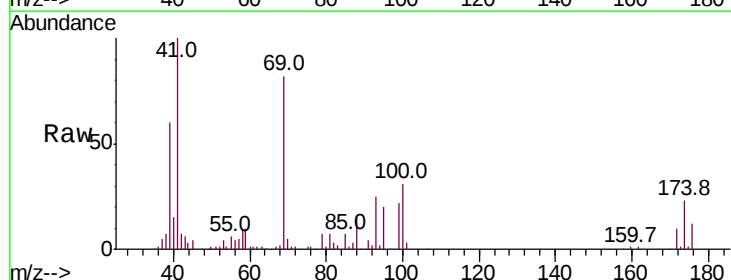
Instrument :
 MSVOA_D
 ClientSampleId :

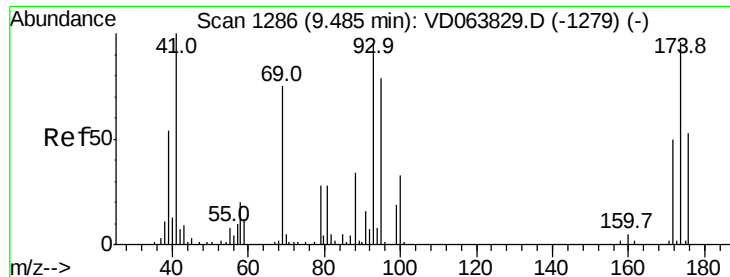
Tot Ion: 83 Resp: 256108
 Ion Ratio Lower Upper
 83 100
 85 64.3 48.6 73.0
 127 9.7 6.9 10.3



#48
 Methyl methacrylate
 Concen: 63.619 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD063830.D
 Acq: 25 Sep 2019 18:48

Tgt Ion: 41 Resp: 93838
 Ion Ratio Lower Upper
 41 100
 69 91.8 71.7 107.5
 39 66.9 51.7 77.5





#49

1,4-Dioxane

Concen: 1275.919 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :
MSVOA_D
ClientSampled :

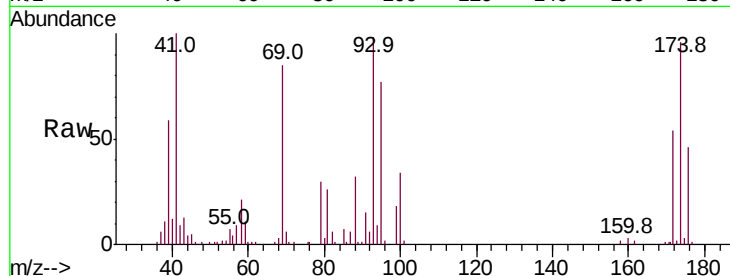
Tot Ion: 88 Resp: 26473

Ion Ratio Lower Upper

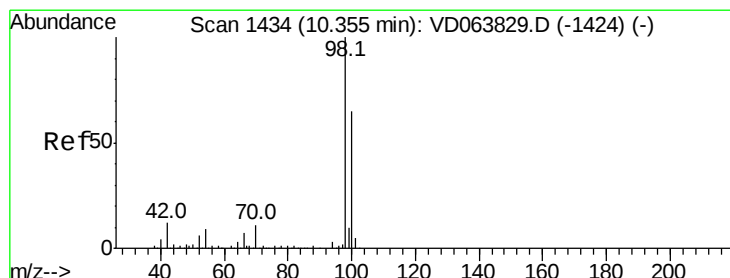
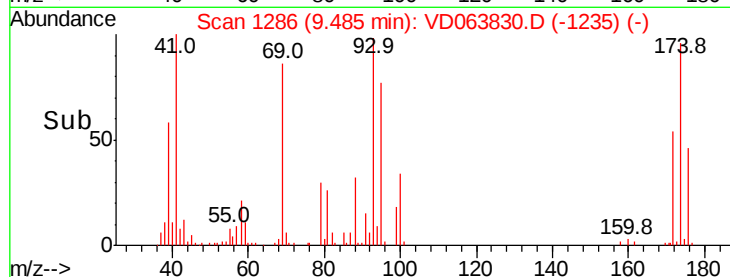
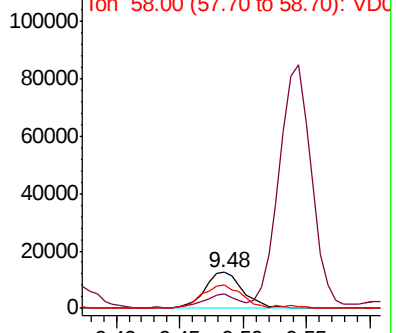
88 100

43 35.2 25.8 38.6

58 66.4 55.9 83.9



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: 73.814 ug/l

RT: 10.36 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VD063830.D

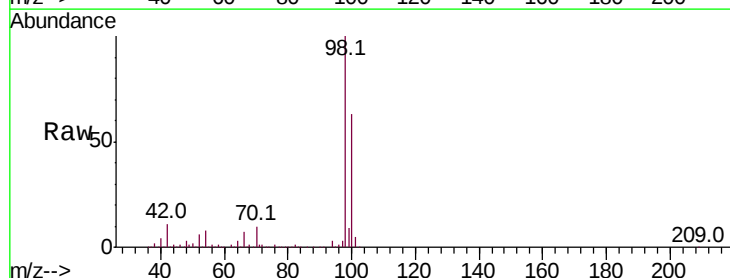
Acq: 25 Sep 2019 18:48

Tgt Ion: 98 Resp: 749000

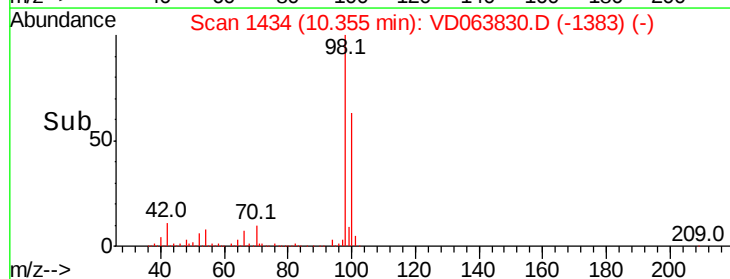
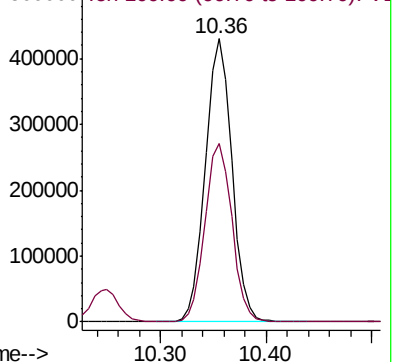
Ion Ratio Lower Upper

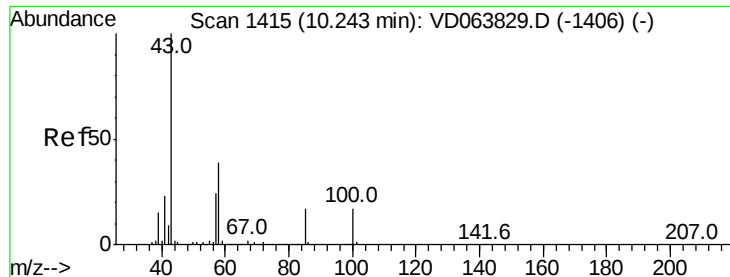
98 100

100 64.0 51.6 77.4



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: 314.030 ug/l

RT: 10.25 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

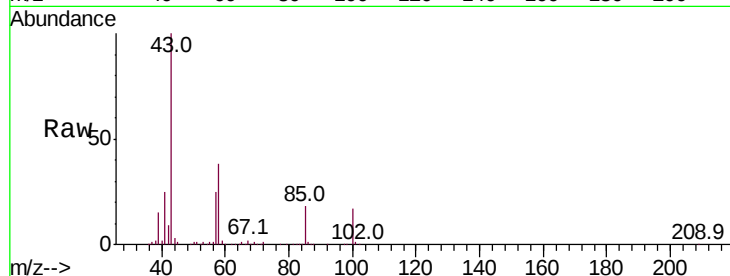
ClientSampleId :

Tot Ion: 43 Resp: 513052

Ion Ratio Lower Upper

43 100

58 40.2 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.25

300000

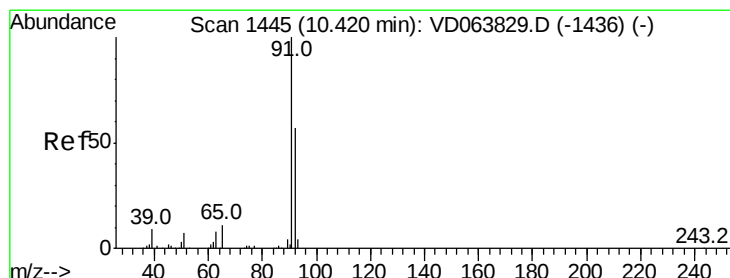
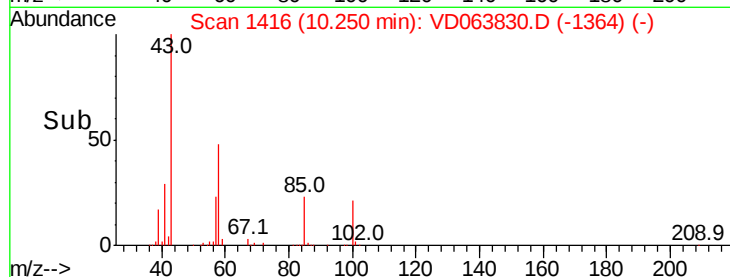
200000

100000

0

Time-->

10.20 10.30



#52

Toluene

Concen: 65.236 ug/l

RT: 10.42 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VD063830.D

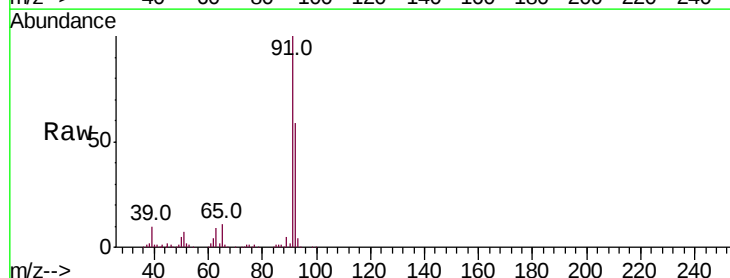
Acq: 25 Sep 2019 18:48

Tgt Ion: 92 Resp: 471847

Ion Ratio Lower Upper

92 100

91 176.5 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.42

500000

400000

300000

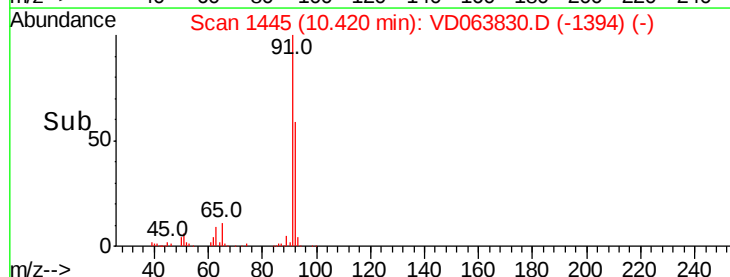
200000

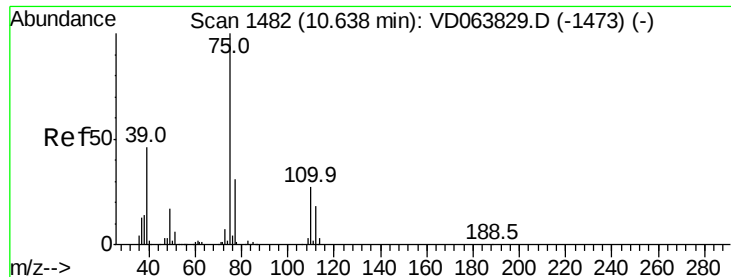
100000

0

Time-->

10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 67.785 ug/l

RT: 10.64 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

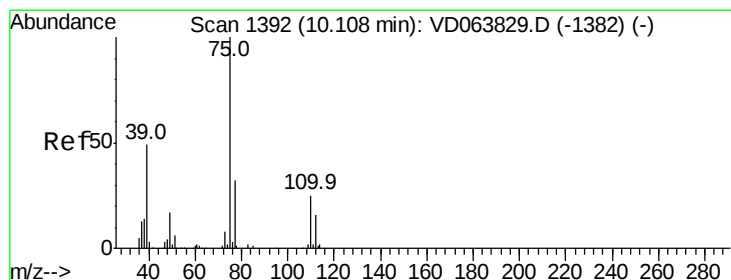
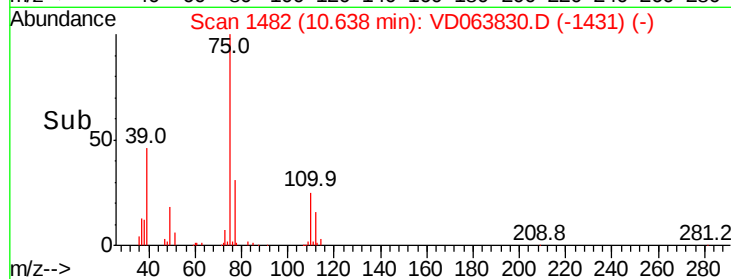
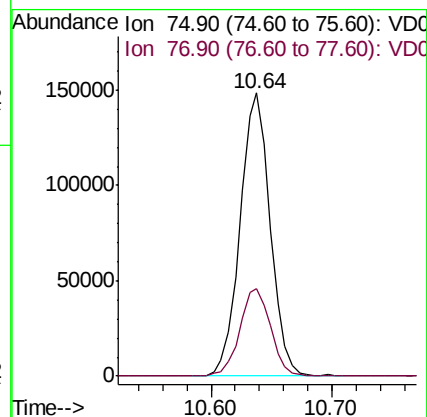
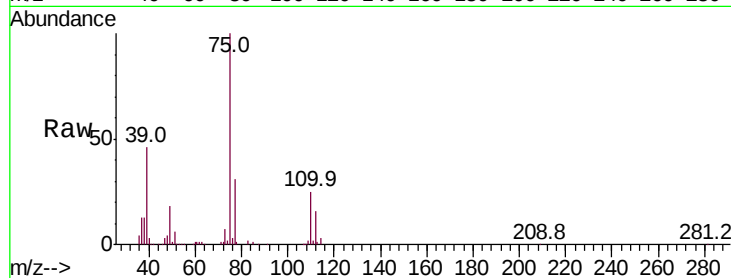
ClientSampleId :

Tot Ion: 75 Resp: 257607

Ion Ratio Lower Upper

75 100

77 30.7 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 67.199 ug/l

RT: 10.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

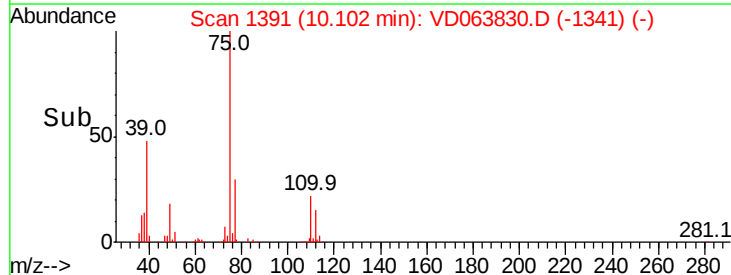
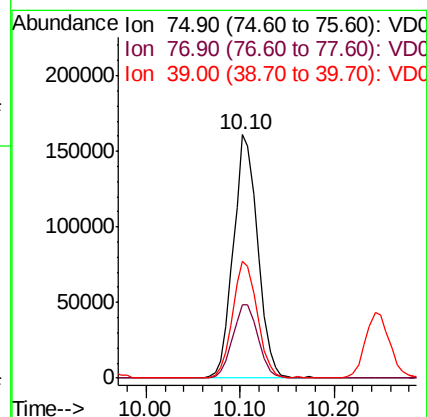
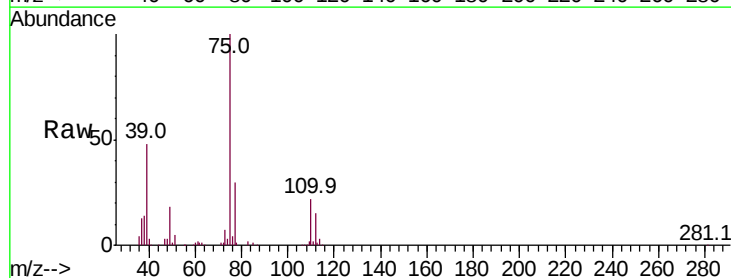
Tgt Ion: 75 Resp: 289886

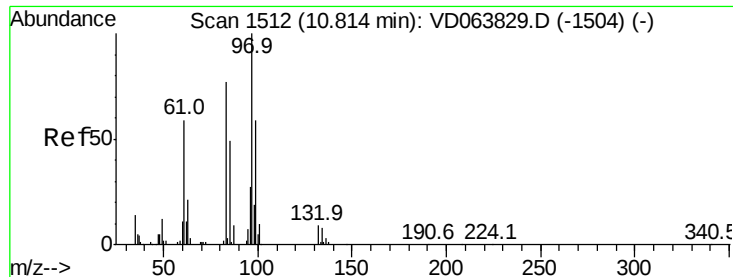
Ion Ratio Lower Upper

75 100

77 30.4 25.8 38.8

39 47.9 39.5 59.3

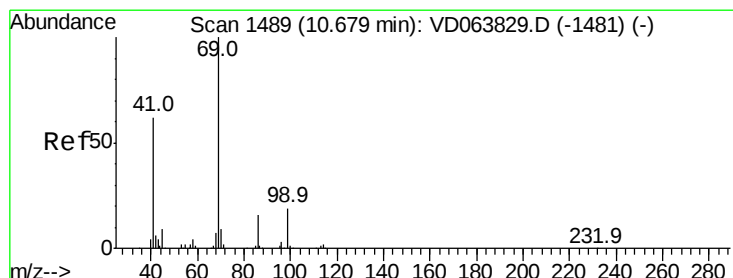
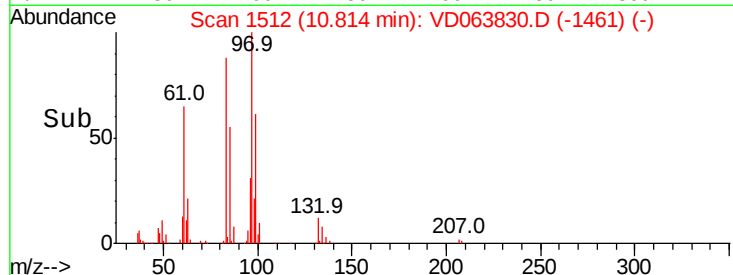
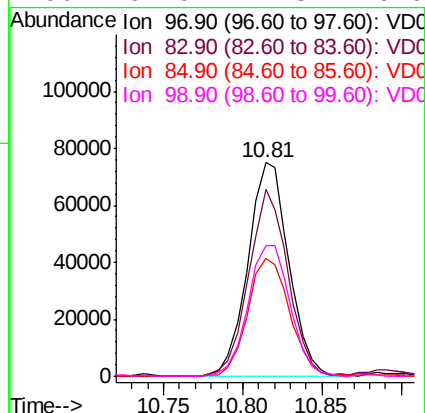
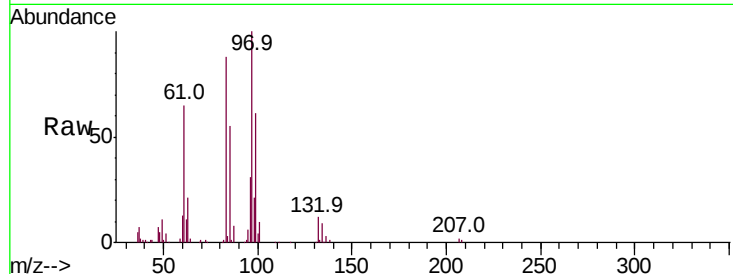




#55
 1,1,2-Trichloroethane
 Concen: 63.806 ug/l
 RT: 10.81 min Scan# 1512
 Delta R.T. 0.00 min
 Lab File: VD063830.D
 Acq: 25 Sep 2019 18:48

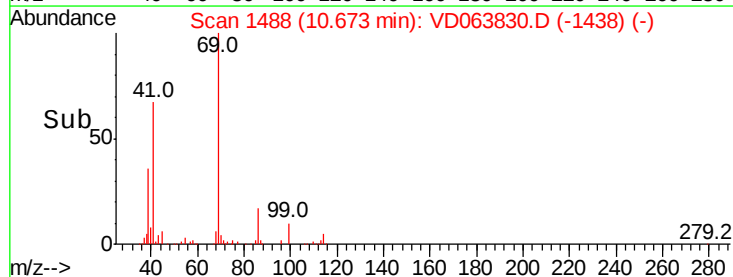
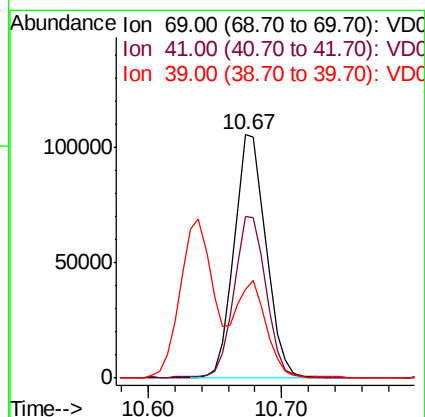
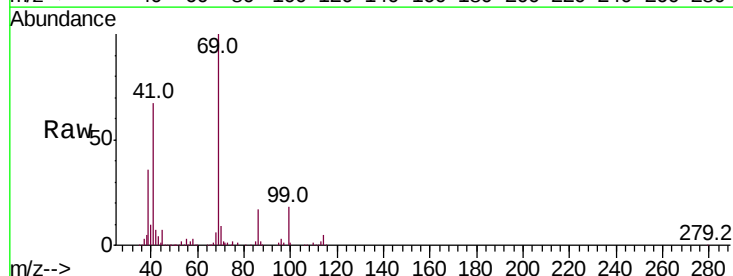
Instrument :
 MSVOA_D
 ClientSampleId :

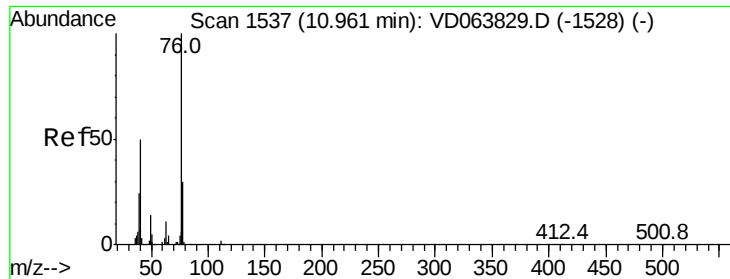
Tot Ion:	97	Resp:	134092
Ion	Ratio	Lower	Upper
97	100		
83	87.3	61.9	92.9
85	55.2	39.4	59.2
99	61.0	47.3	70.9



#56
 Ethyl methacrylate
 Concen: 65.797 ug/l
 RT: 10.67 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: VD063830.D
 Acq: 25 Sep 2019 18:48

Tgt Ion:	69	Resp:	175748
Ion	Ratio	Lower	Upper
69	100		
41	66.0	52.2	78.4
39	34.6	28.7	43.1

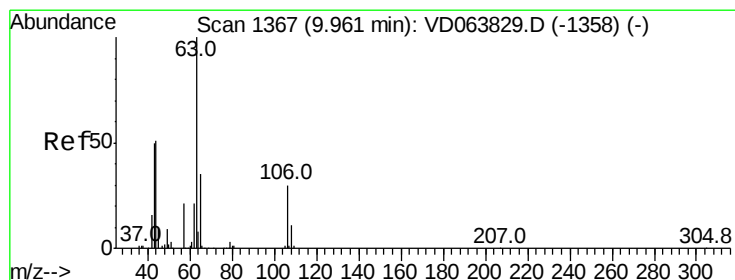
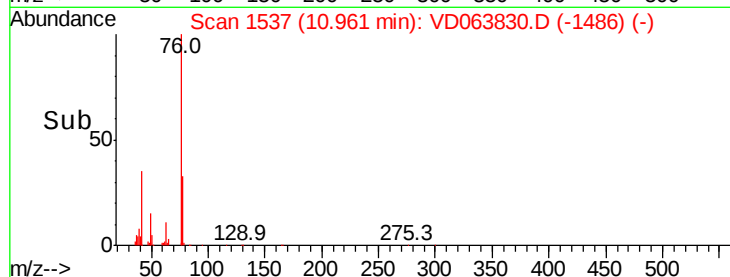
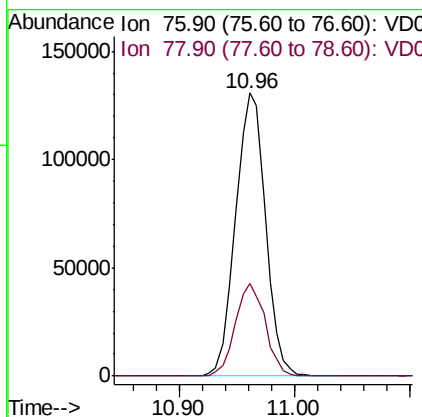
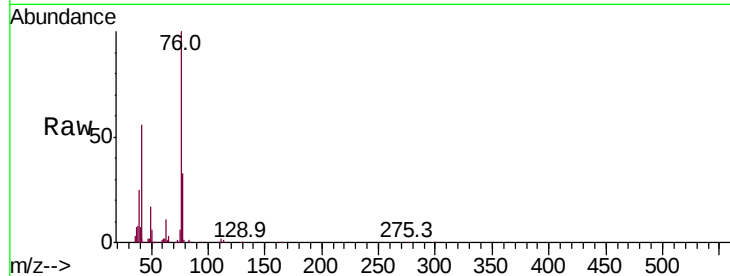




#57
 1,3-Dichloropropane
 Concen: 65.744 ug/l
 RT: 10.96 min Scan# 1537
 Delta R.T. 0.00 min
 Lab File: VD063830.D
 Acq: 25 Sep 2019 18:48

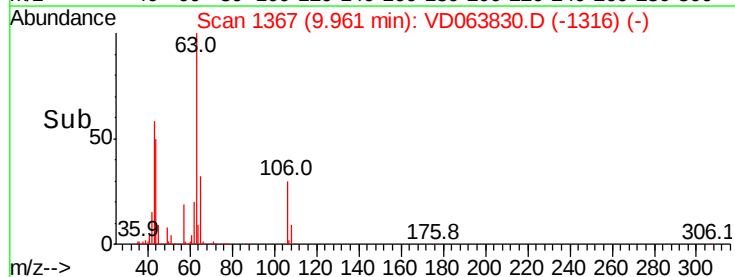
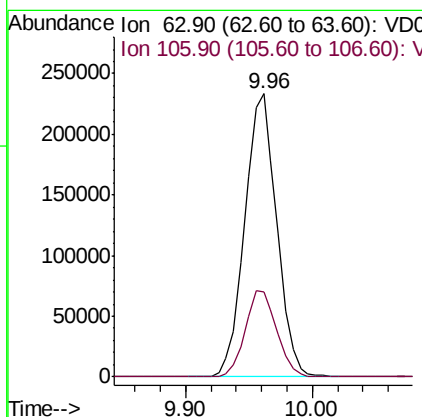
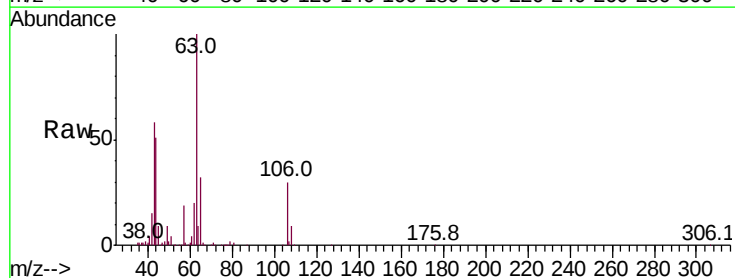
Instrument :
 MSVOA_D
 ClientSampleId :

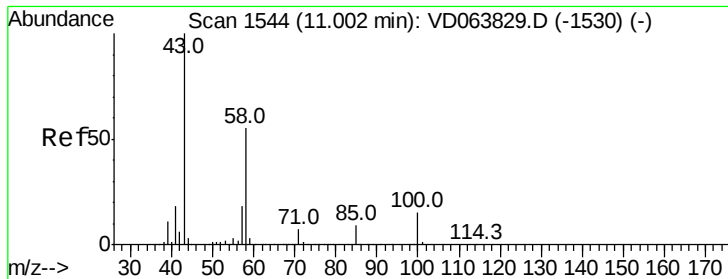
Tot Ion: 76 Resp: 234758
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 343.513 ug/l
 RT: 9.96 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VD063830.D
 Acq: 25 Sep 2019 18:48

Tgt Ion: 63 Resp: 410099
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.4 35.0

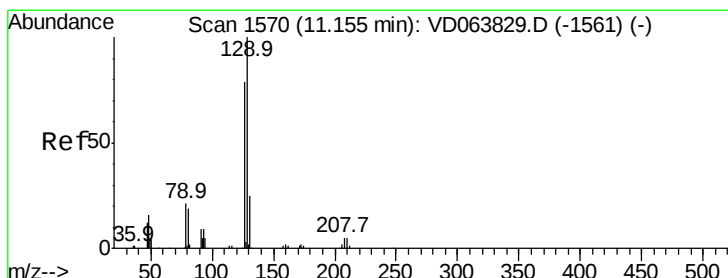
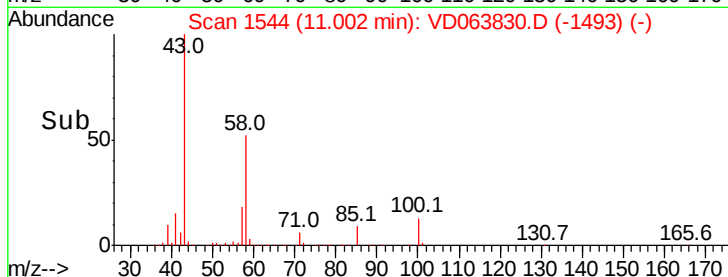
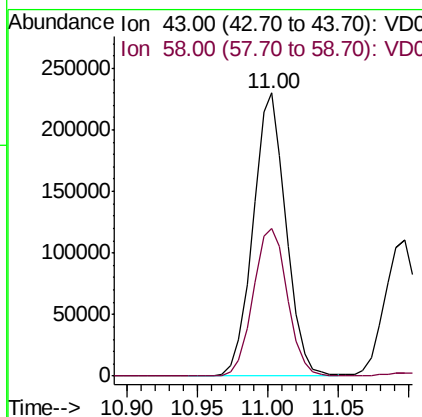
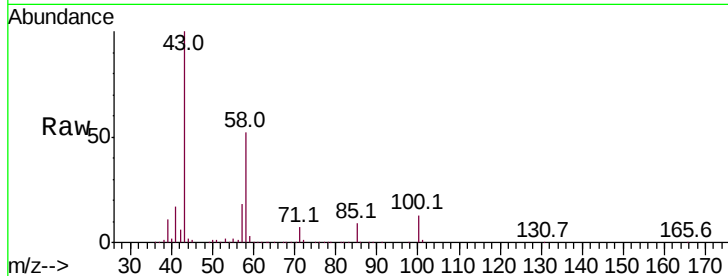




#59
2-Hexanone
Concen: 322.357 ug/l
RT: 11.00 min Scan# 1544
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

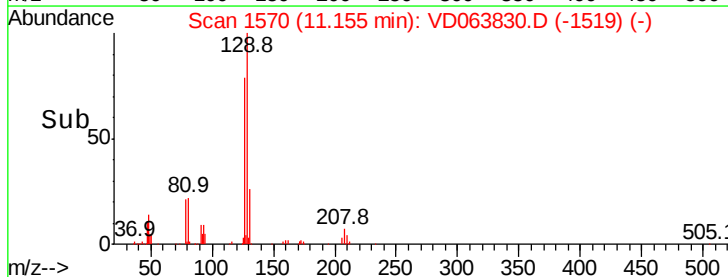
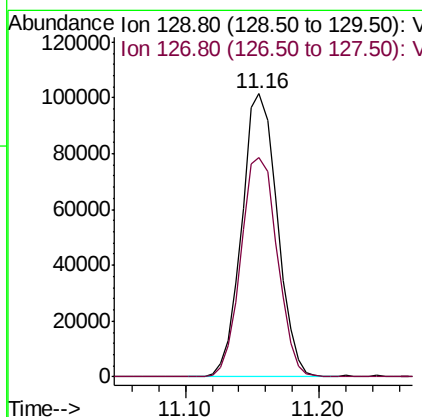
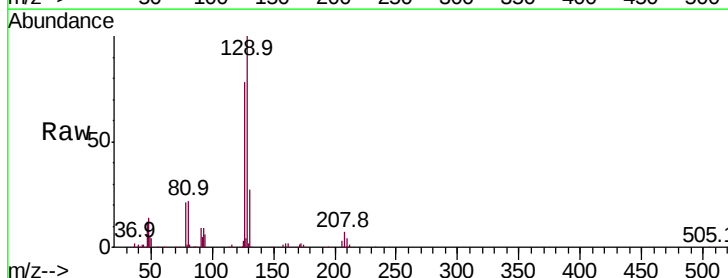
Instrument :
MSVOA_D
ClientSampleId :

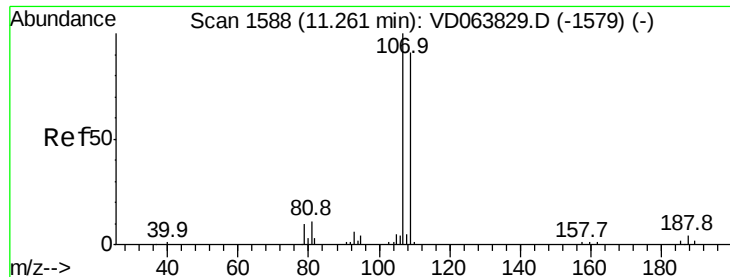
Tot Ion: 43 Resp: 375771
Ion Ratio Lower Upper
43 100
58 54.4 27.6 82.7



#60
Dibromochloromethane
Concen: 67.295 ug/l
RT: 11.16 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Tgt Ion: 129 Resp: 186635
Ion Ratio Lower Upper
129 100
127 79.2 38.8 116.3





#61

1,2-Dibromoethane

Concen: 66.560 ug/l

RT: 11.26 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

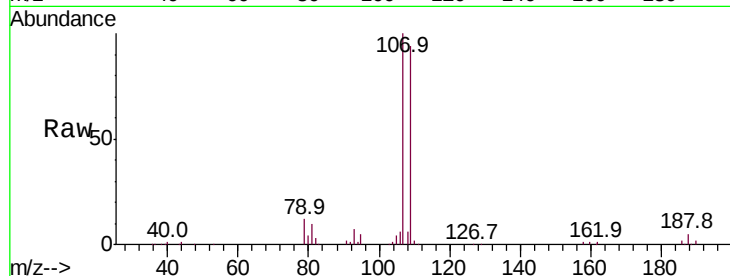
ClientSampleId :

Tot Ion:107 Resp: 139836

Ion Ratio Lower Upper

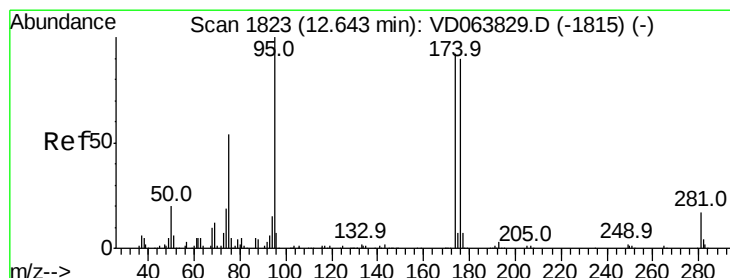
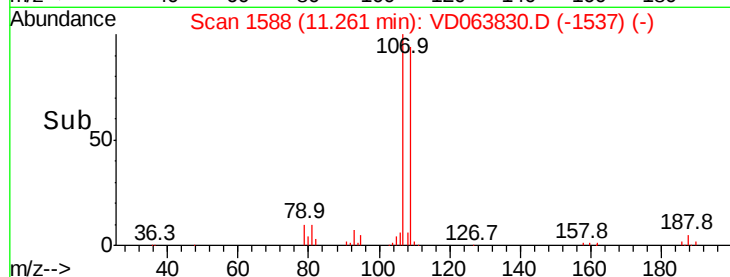
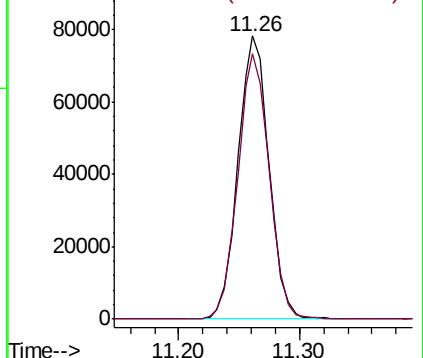
107 100

109 94.7 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 71.643 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

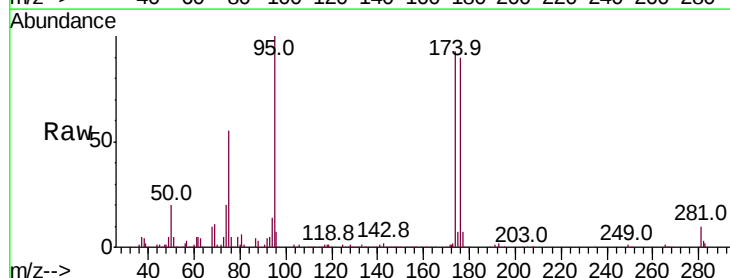
Tgt Ion: 95 Resp: 260889

Ion Ratio Lower Upper

95 100

174 94.6 0.0 183.2

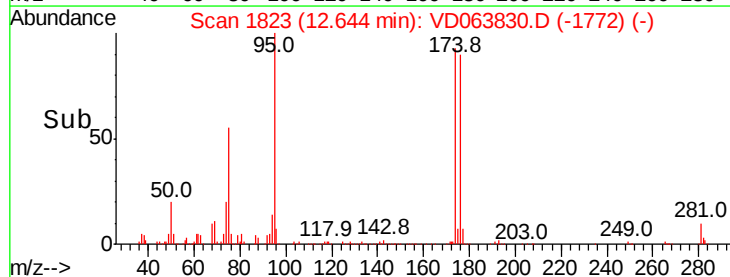
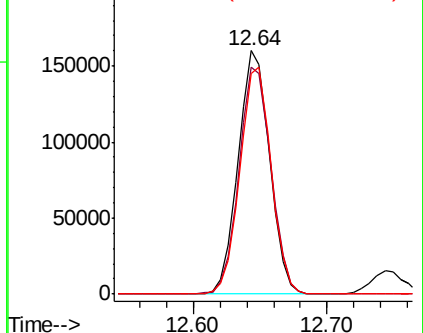
176 92.5 0.0 177.4

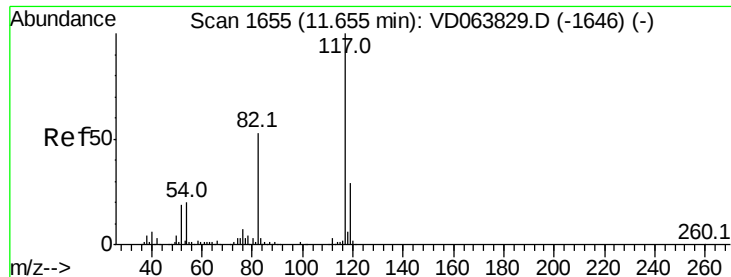


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

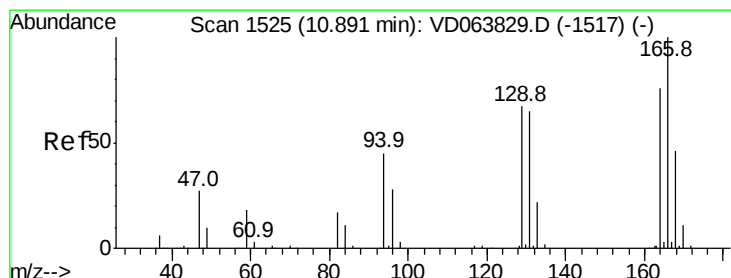
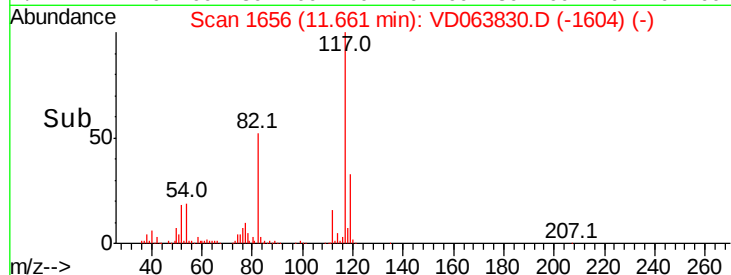
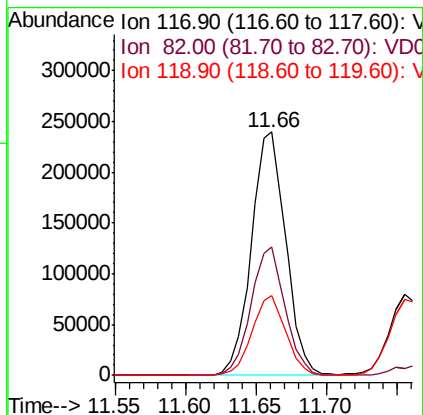
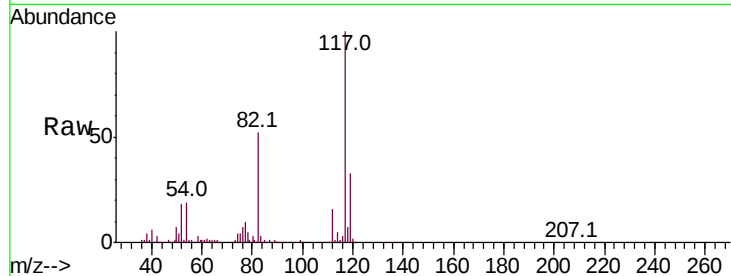




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

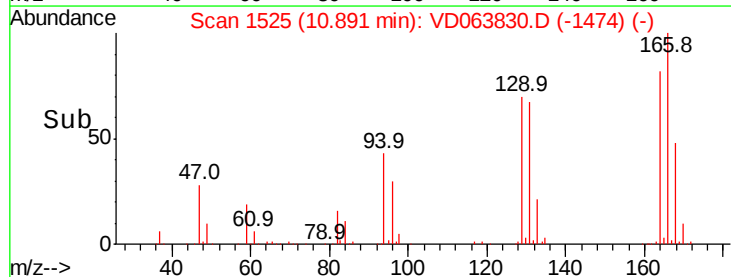
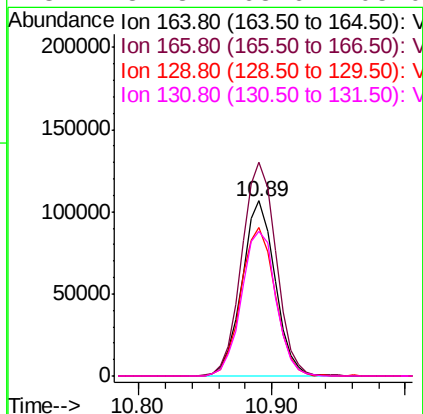
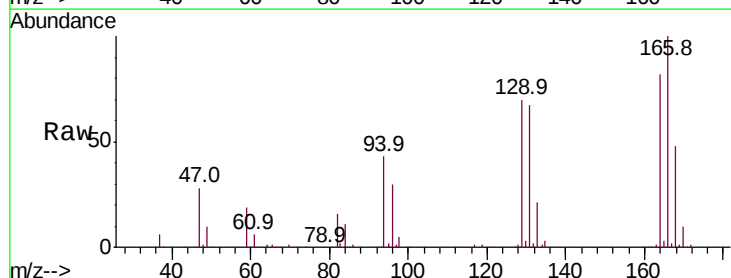
Instrument :
MSVOA_D
ClientSampleId :

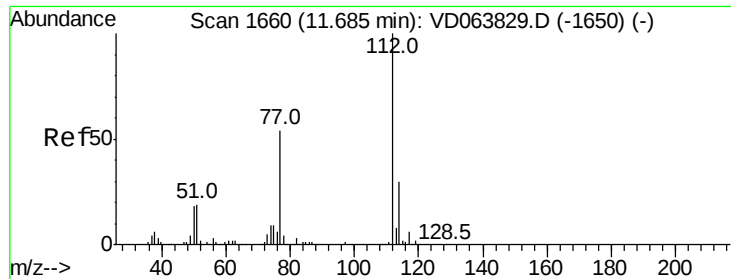
Tot Ion:117 Resp: 409467
Ion Ratio Lower Upper
117 100
82 52.5 42.4 63.6
119 32.9 23.5 35.3



#64
Tetrachloroethene
Concen: 66.185 ug/l
RT: 10.89 min Scan# 1525
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Tgt Ion:164 Resp: 182551
Ion Ratio Lower Upper
164 100
166 121.8 105.5 158.3
129 84.8 70.2 105.4
131 82.3 68.6 103.0

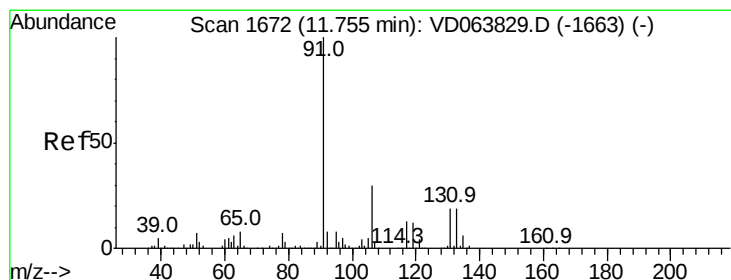
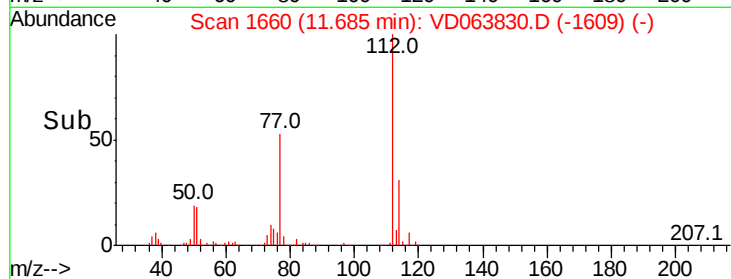
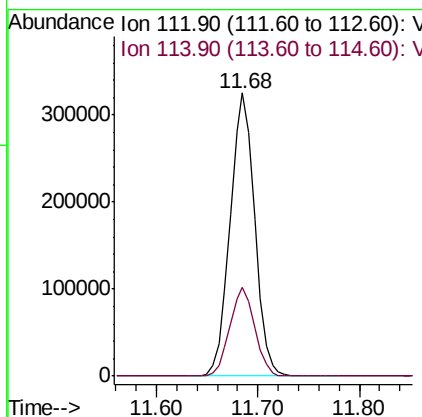
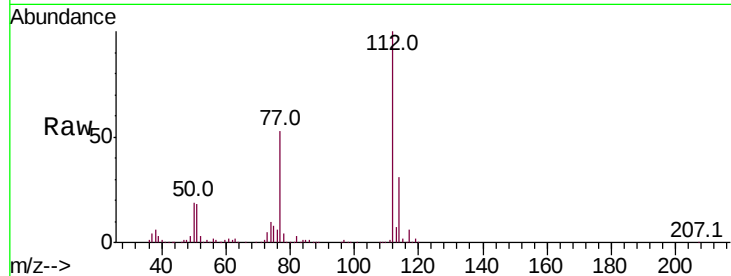




#65
Chlorobenzene
Concen: 66.416 ug/l
RT: 11.68 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

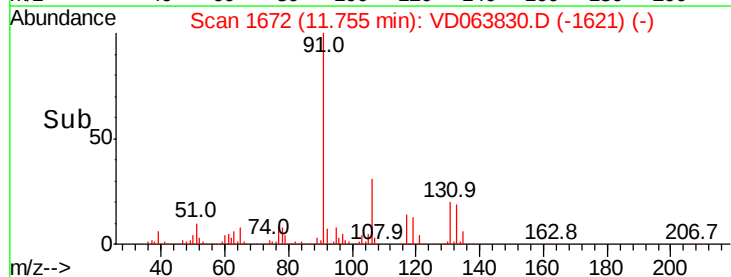
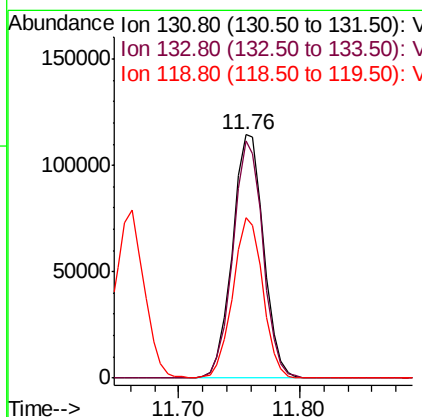
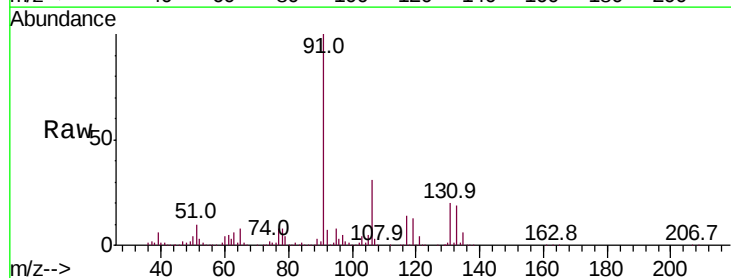
Instrument :
MSVOA_D
ClientSampleId :

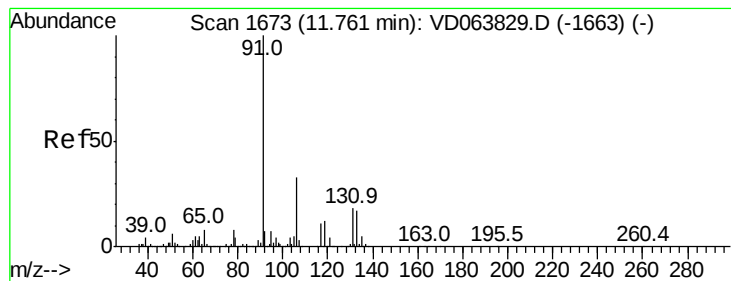
Tot Ion:112 Resp: 547046
Ion Ratio Lower Upper
112 100
114 31.5 24.2 36.2



#66
1,1,1,2-Tetrachloroethane
Concen: 68.148 ug/l
RT: 11.76 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Tgt Ion:131 Resp: 206288
Ion Ratio Lower Upper
131 100
133 93.9 47.4 142.3
119 62.9 31.6 94.8





#67

Ethyl Benzene

Concen: 65.649 ug/l

RT: 11.76 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

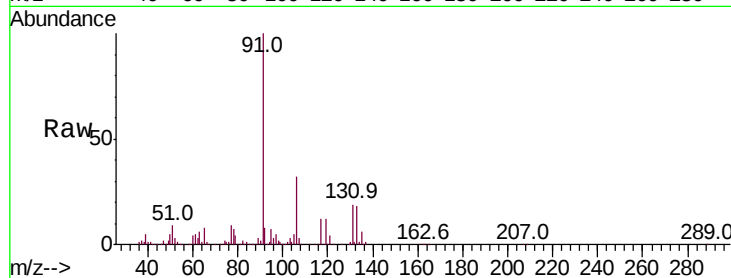
ClientSampleId :

Tot Ion: 91 Resp: 976736

Ion Ratio Lower Upper

91 100

106 32.0 26.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

800000

600000

400000

200000

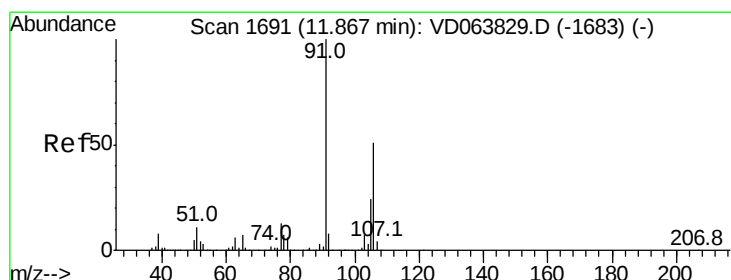
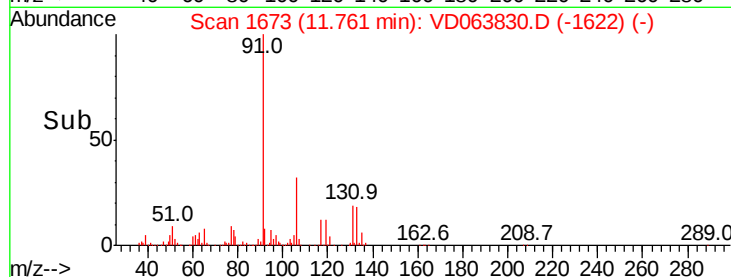
0

11.76

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 132.847 ug/l

RT: 11.87 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VD063830.D

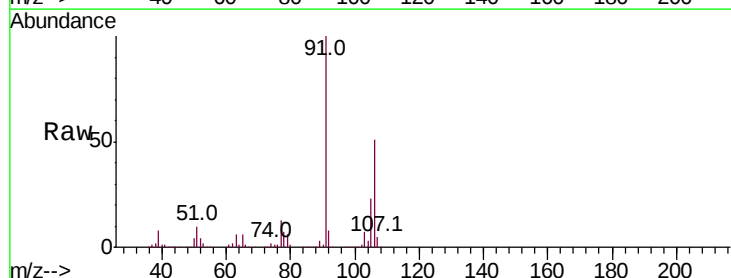
Acq: 25 Sep 2019 18:48

Tgt Ion:106 Resp: 759007

Ion Ratio Lower Upper

106 100

91 195.8 157.6 236.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

600000

400000

200000

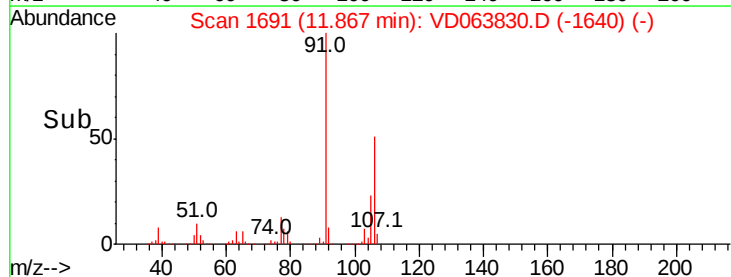
0

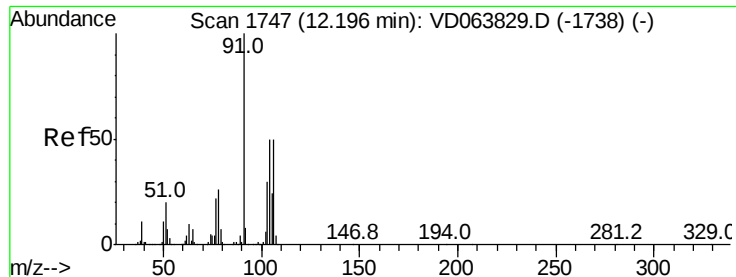
11.87

11.80

11.90

Time-->

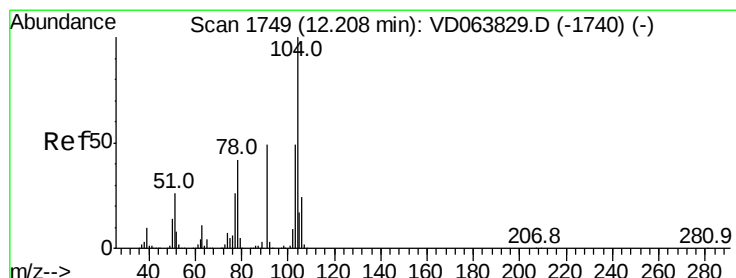
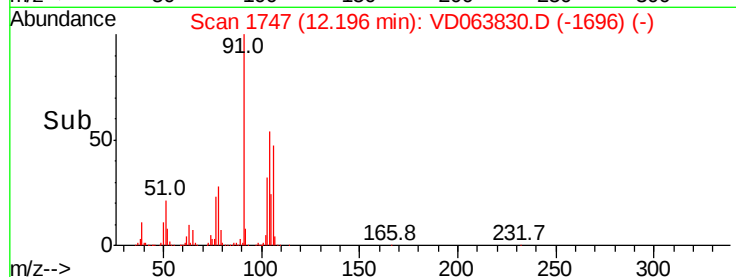
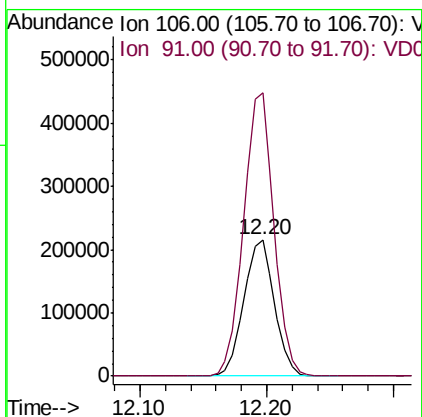
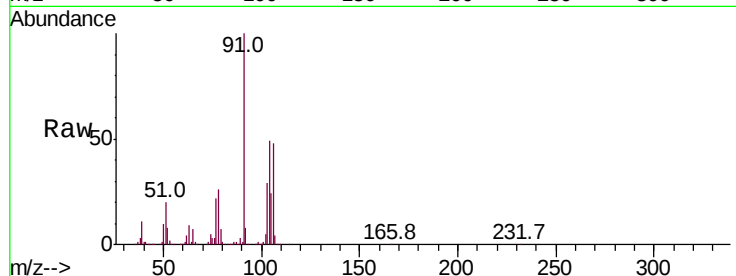




#69
o-Xylene
Concen: 66.814 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

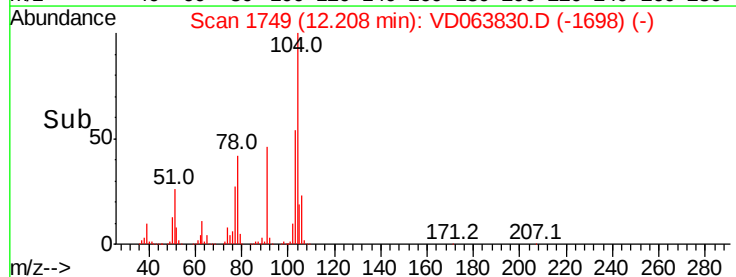
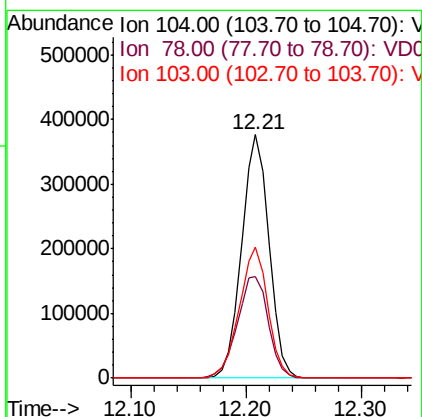
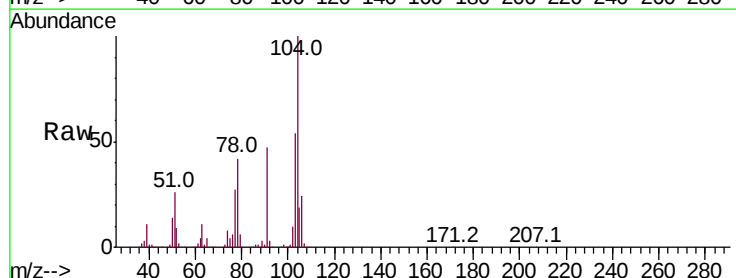
Instrument :
MSVOA_D
ClientSampled :

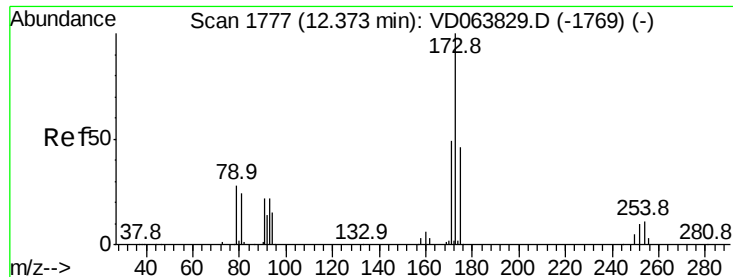
Tot Ion:106 Resp: 360306
Ion Ratio Lower Upper
106 100
91 206.4 102.4 307.1



#70
Styrene
Concen: 67.933 ug/l
RT: 12.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Tgt Ion:104 Resp: 619999
Ion Ratio Lower Upper
104 100
78 47.4 37.3 55.9
103 56.2 44.2 66.4





#71

Bromoform

Concen: 73.261 ug/l

RT: 12.37 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VD063830.D

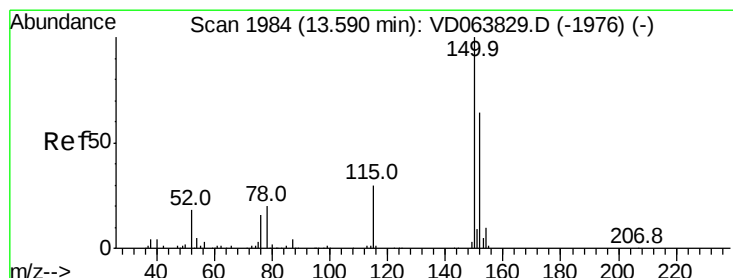
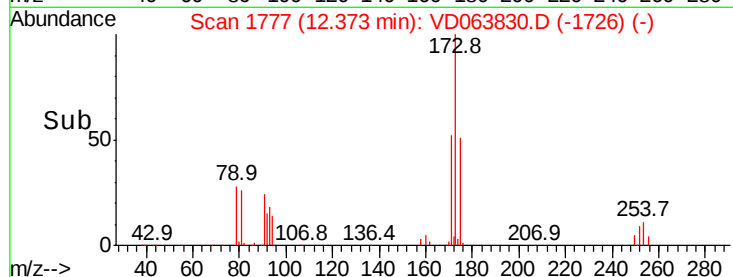
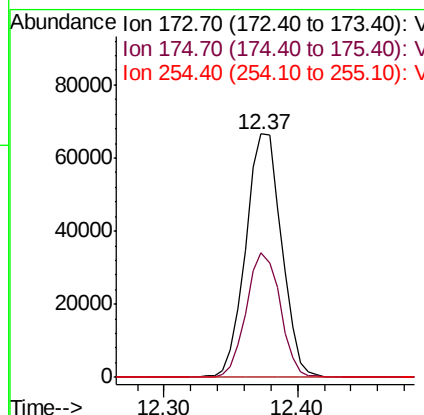
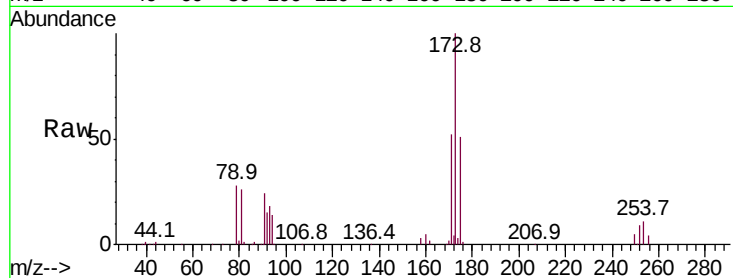
Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

ClientSampled :

Tot Ion:	173	Resp:	123194
Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.3	69.8
254	0.1	0.1	0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

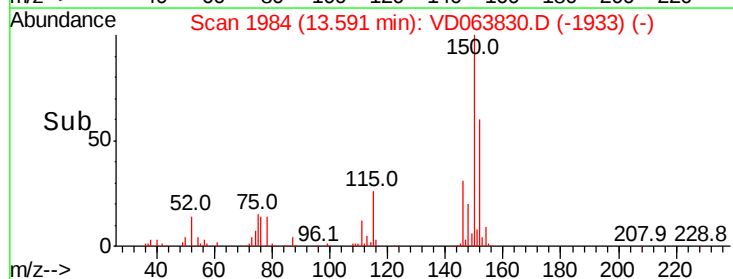
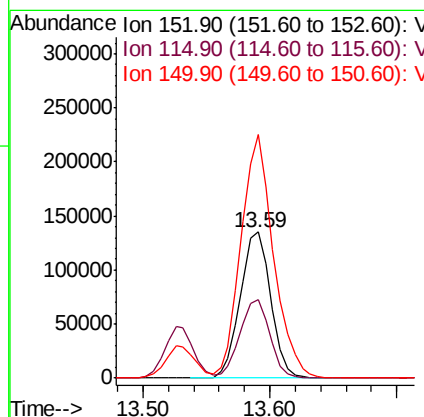
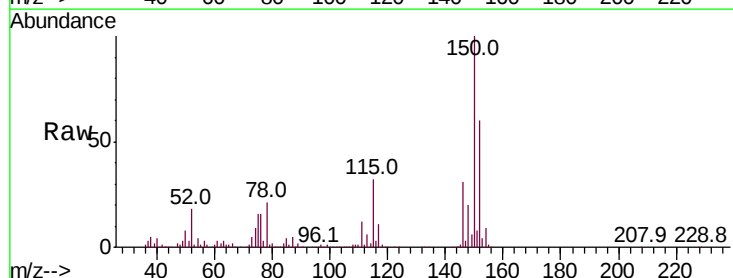
RT: 13.59 min Scan# 1984

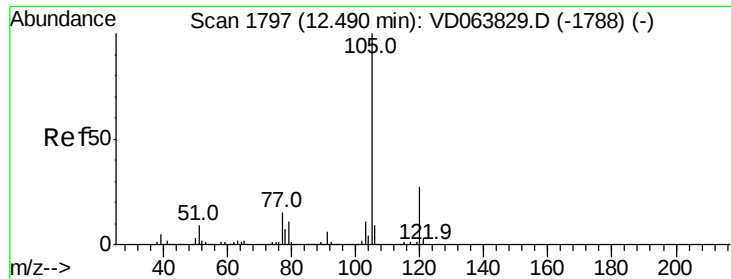
Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Tgt Ion:	152	Resp:	224423
Ion	Ratio	Lower	Upper
152	100		
115	53.1	27.0	81.0
150	177.7	0.0	344.0





#73

Isopropylbenzene

Concen: 63.348 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

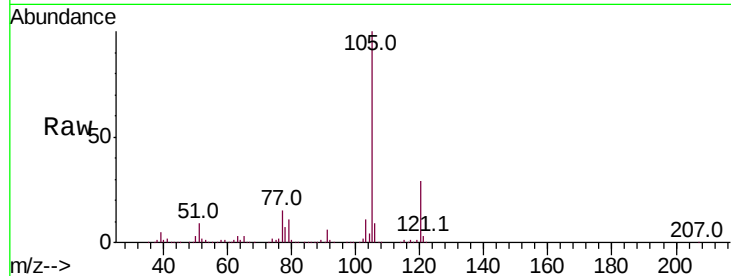
ClientSampleId :

Tot Ion:105 Resp: 971048

Ion Ratio Lower Upper

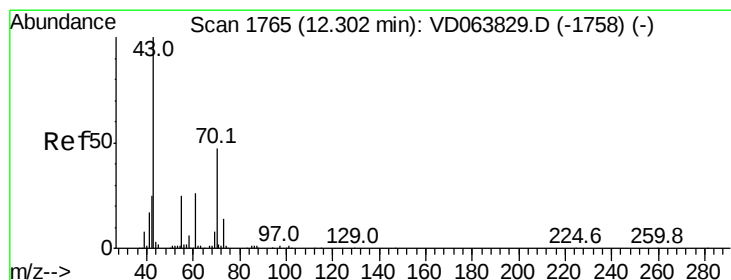
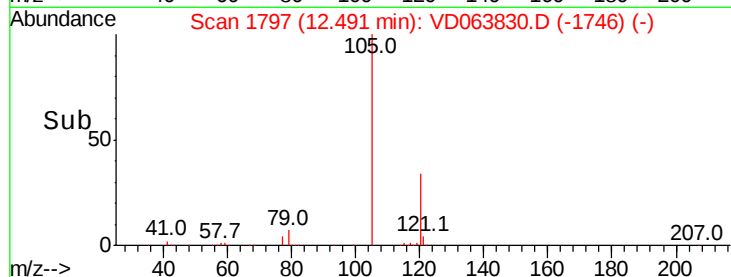
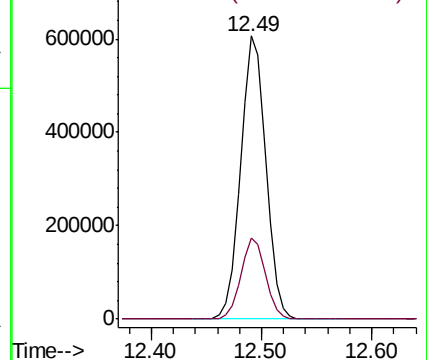
105 100

120 27.9 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 61.011 ug/l

RT: 12.30 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Tgt Ion: 43 Resp: 204730

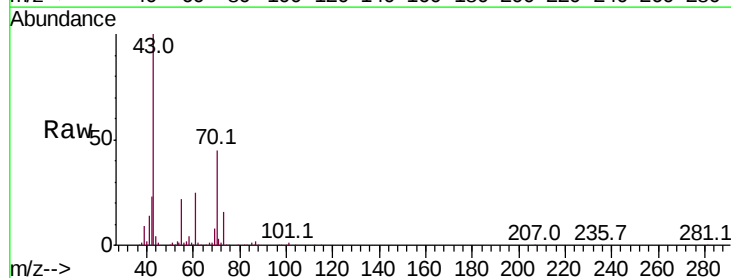
Ion Ratio Lower Upper

43 100

70 45.6 35.0 52.6

55 22.8 19.8 29.6

61 25.1 19.6 29.4

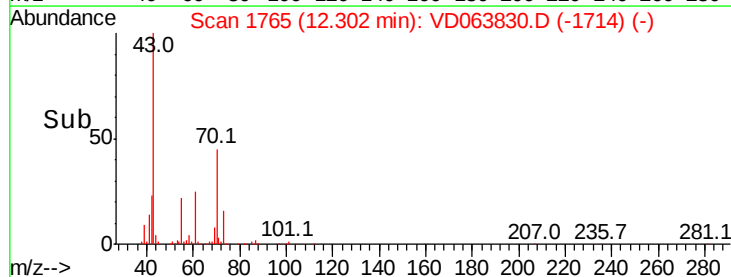
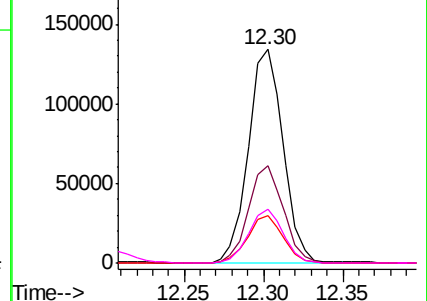


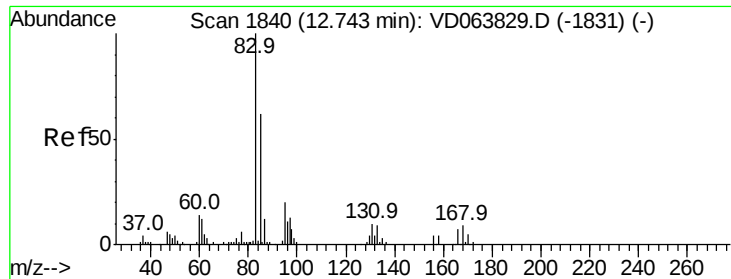
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 62.815 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

ClientSampleId :

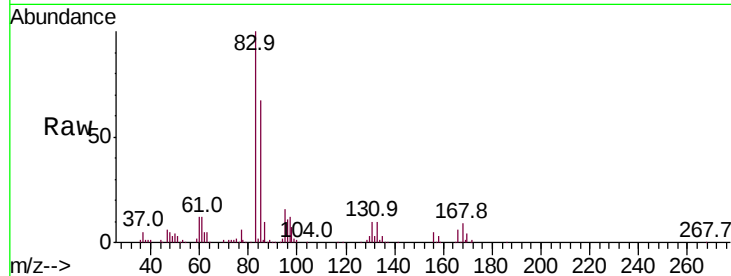
Tot Ion: 83 Resp: 160495

Ion Ratio Lower Upper

83 100

131 11.0 5.6 16.8

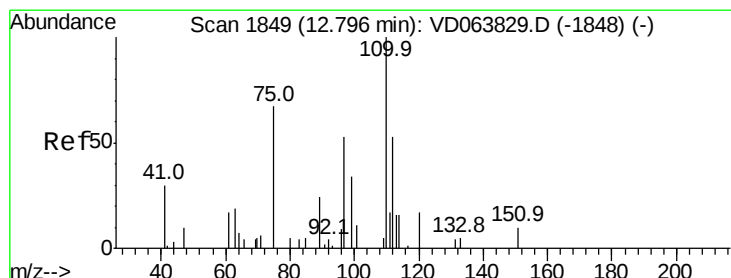
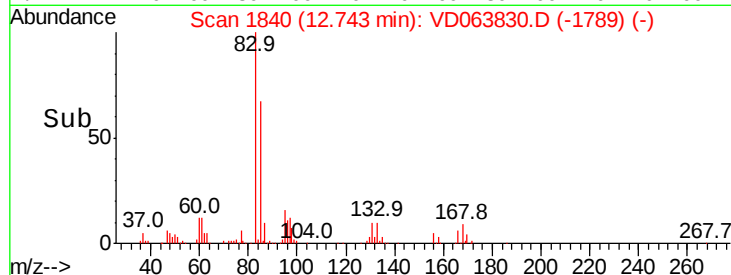
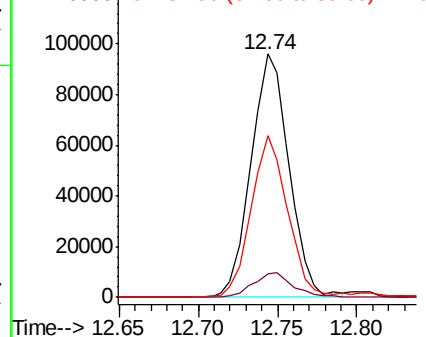
85 63.6 31.9 95.7



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: 146.199 ug/l

RT: 12.80 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VD063830.D

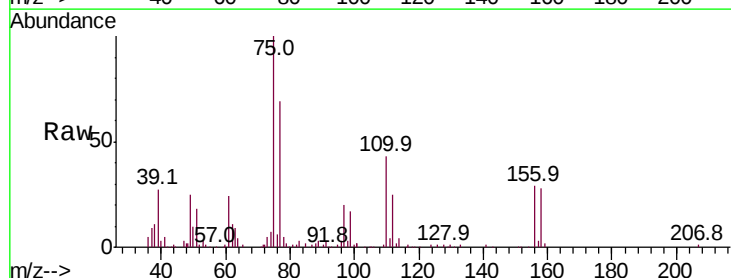
Acq: 25 Sep 2019 18:48

Tgt Ion: 75 Resp: 208083

Ion Ratio Lower Upper

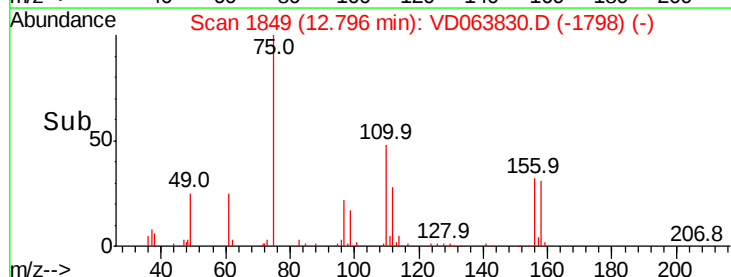
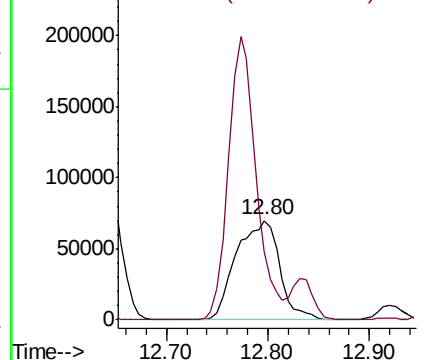
75 100

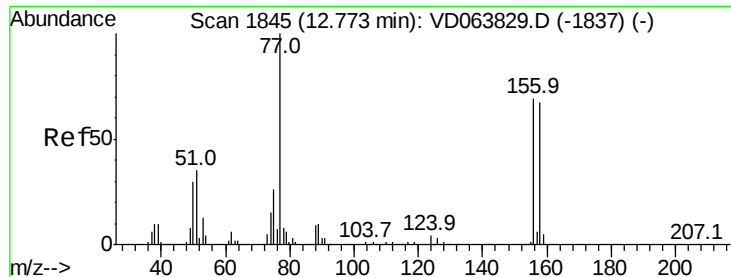
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 65.748 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

ClientSampleId :

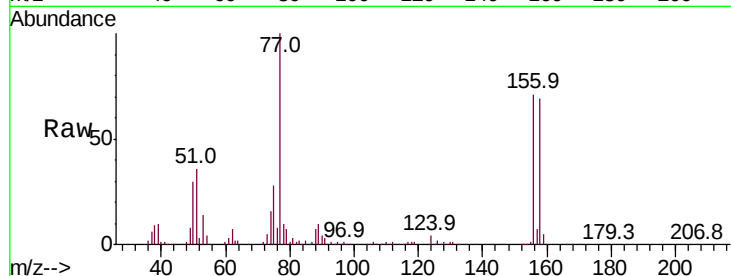
Tot Ion:156 Resp: 242211

Ion Ratio Lower Upper

156 100

77 156.0 79.8 239.4

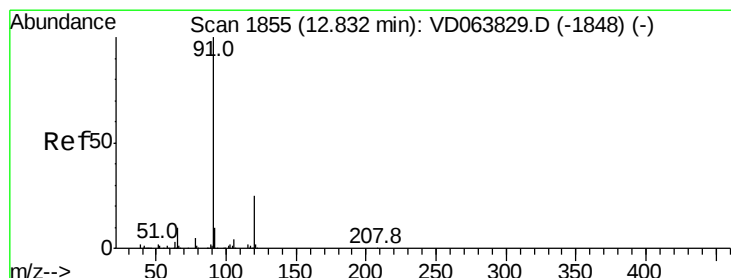
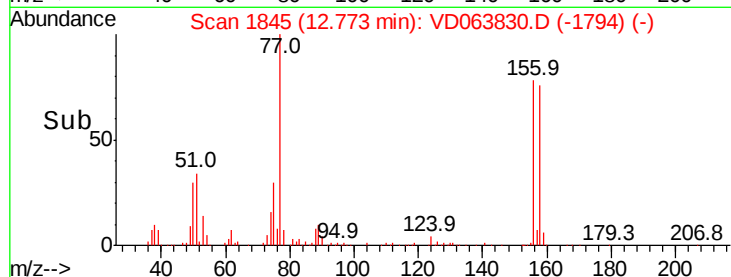
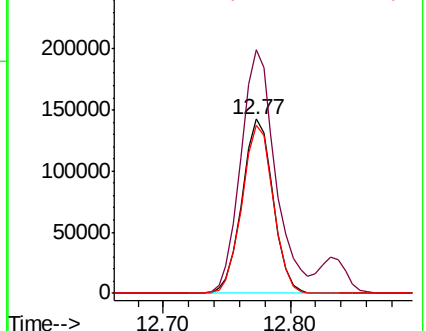
158 97.1 47.9 143.7



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: 62.828 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VD063830.D

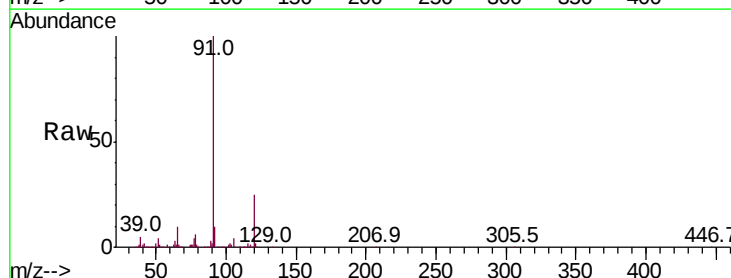
Acq: 25 Sep 2019 18:48

Tgt Ion: 91 Resp: 1133061

Ion Ratio Lower Upper

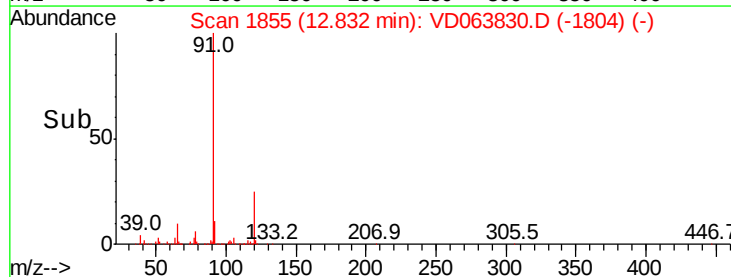
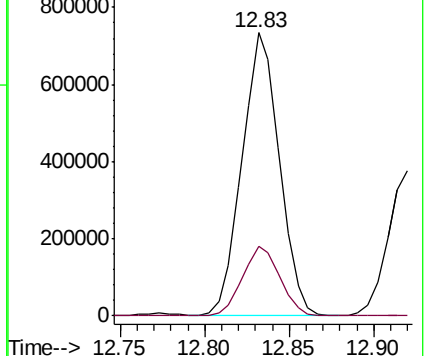
91 100

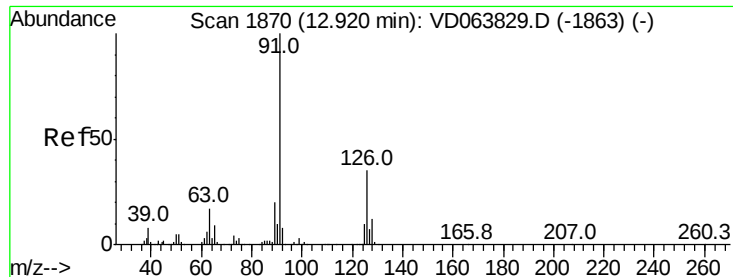
120 24.6 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 64.559 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

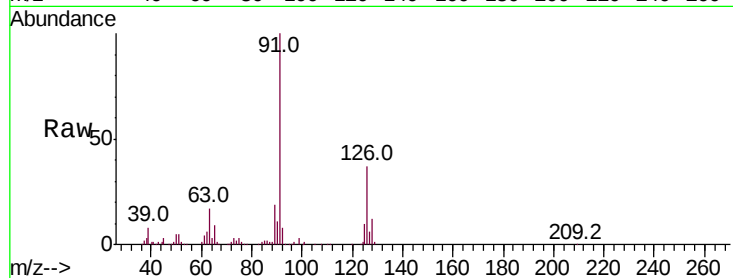
ClientSampleId :

Tot Ion: 91 Resp: 627980

Ion Ratio Lower Upper

91 100

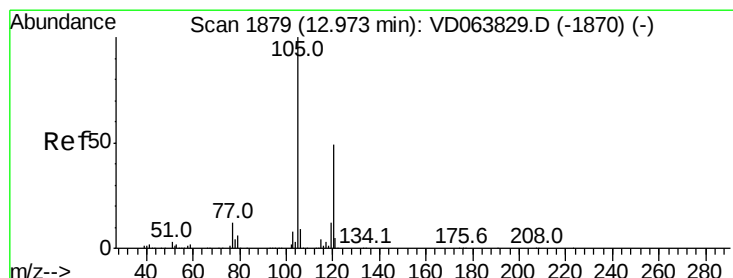
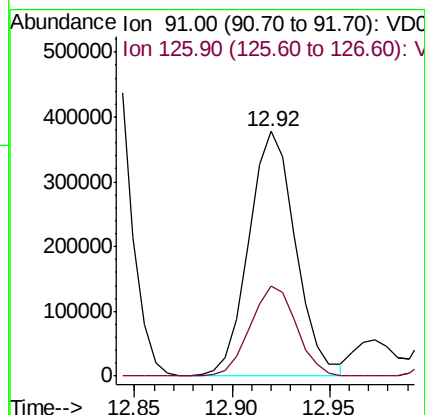
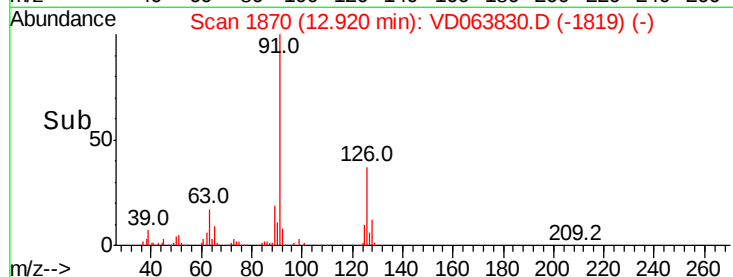
126 36.1 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

12.92



#80

1,3,5-Trimethylbenzene

Concen: 64.544 ug/l

RT: 12.97 min Scan# 1879

Delta R.T. 0.00 min

Lab File: VD063830.D

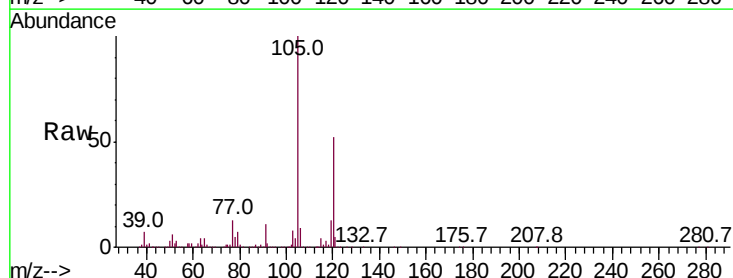
Acq: 25 Sep 2019 18:48

Tgt Ion:105 Resp: 824781

Ion Ratio Lower Upper

105 100

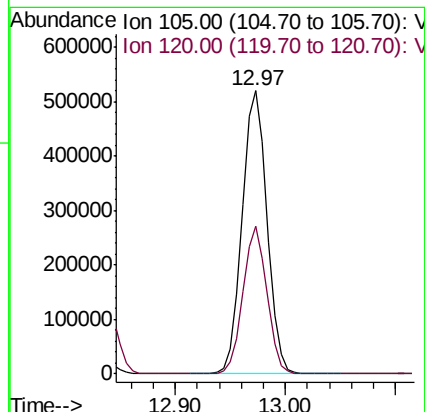
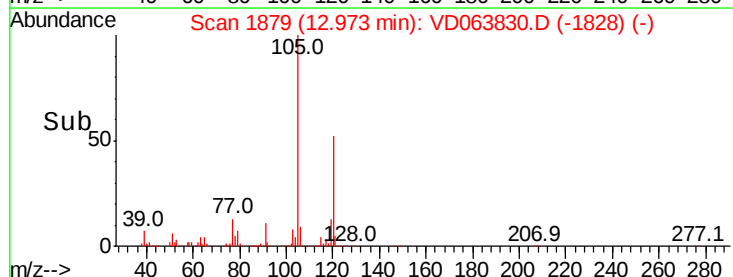
120 50.2 24.9 74.8

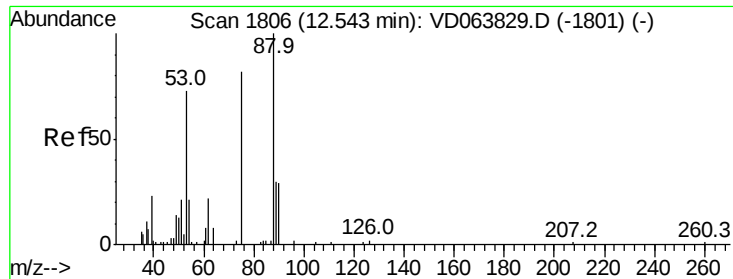


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.97





#81

trans-1,4-Dichloro-2-butene

Concen: 62.353 ug/l

RT: 12.54 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

ClientSampled :

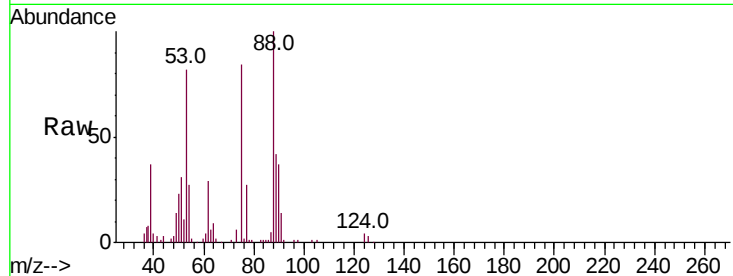
Tot Ion: 75 Resp: 53129

Ion Ratio Lower Upper

75 100

53 96.0 76.5 114.7

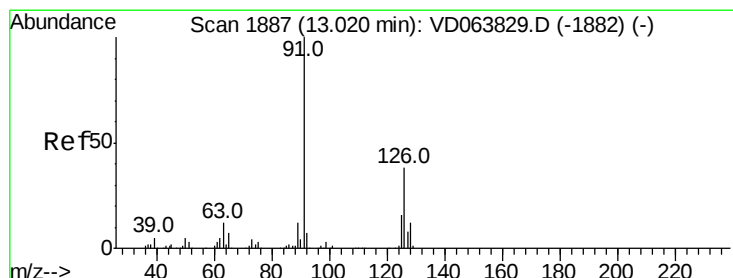
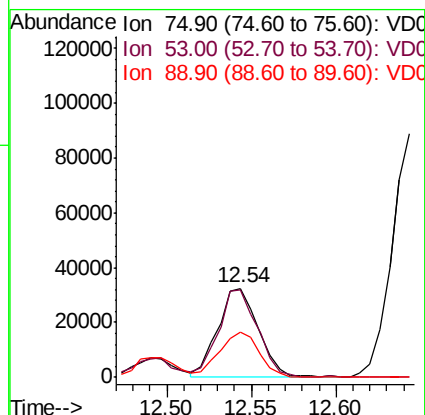
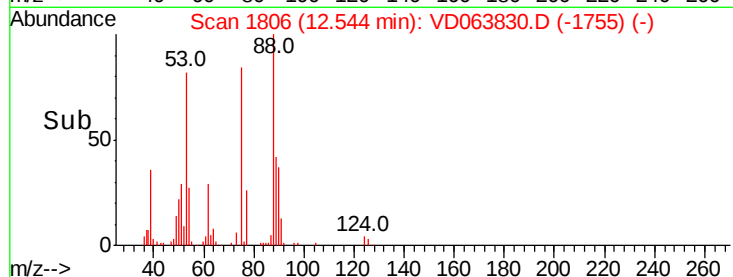
89 50.9 37.0 55.6



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: 62.310 ug/l

RT: 13.02 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VD063830.D

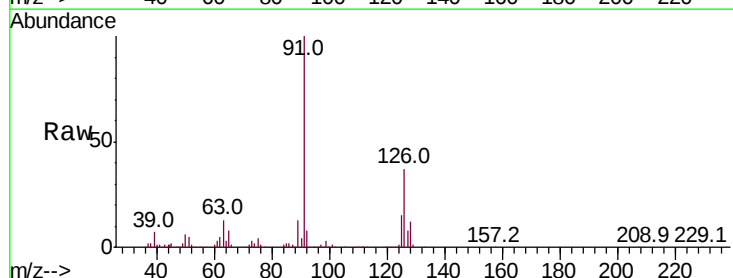
Acq: 25 Sep 2019 18:48

Tgt Ion: 91 Resp: 646563

Ion Ratio Lower Upper

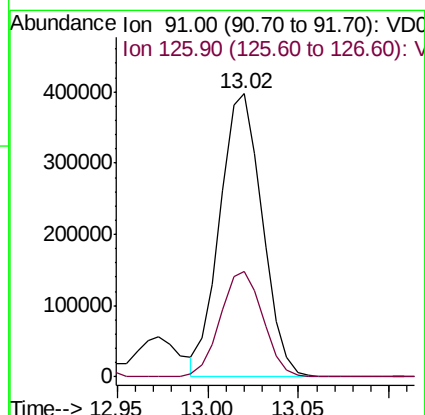
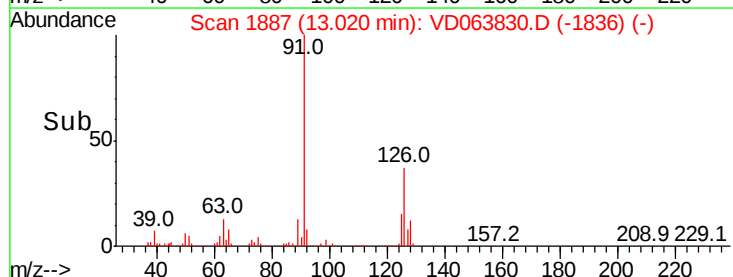
91 100

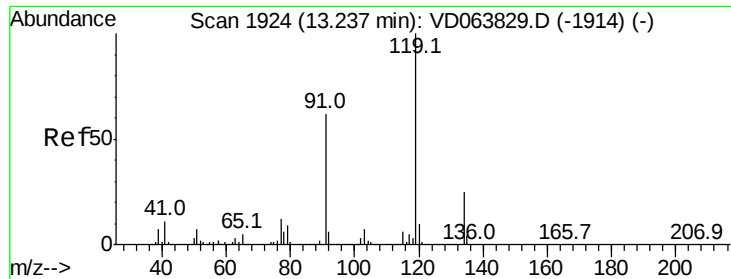
126 37.5 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

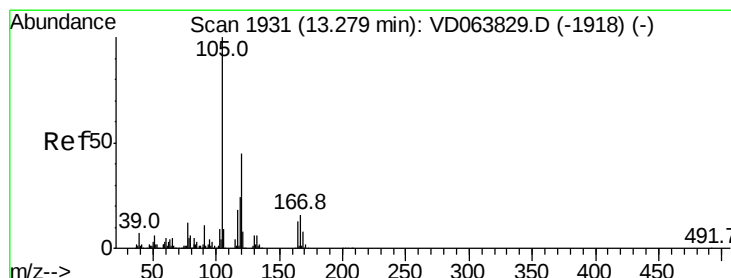
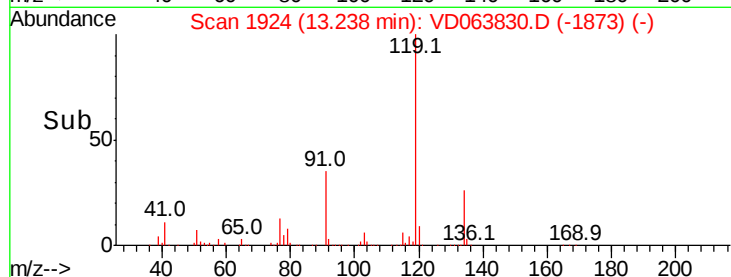
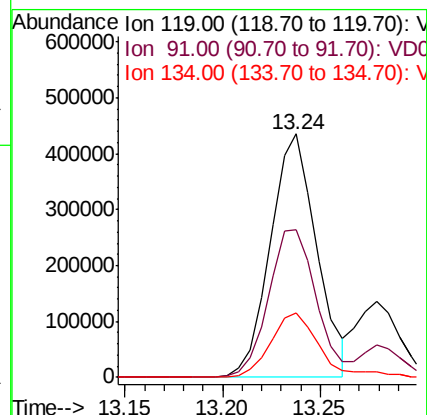
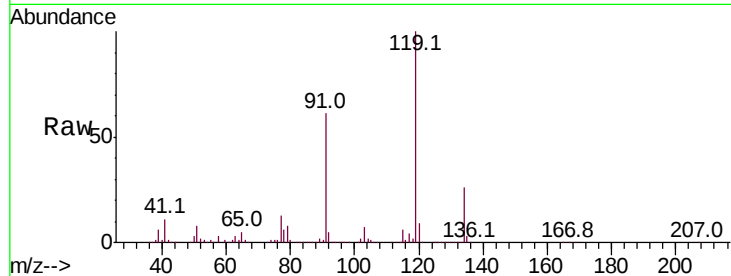




#83
tert-Butylbenzene
Concen: 64.068 ug/l
RT: 13.24 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

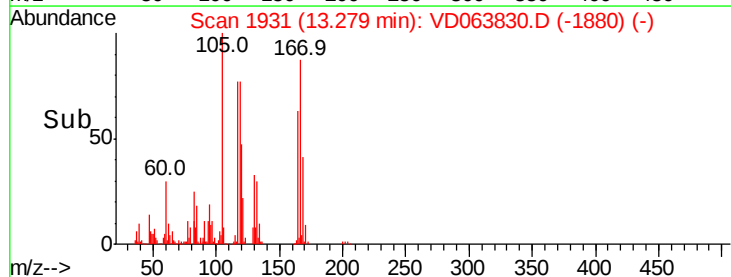
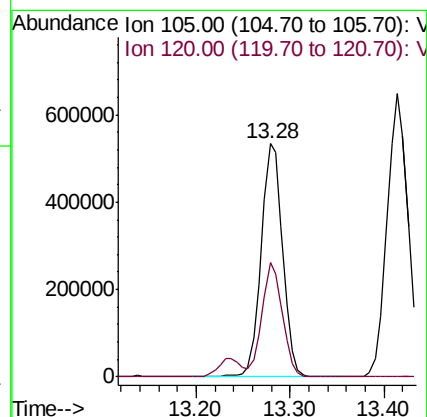
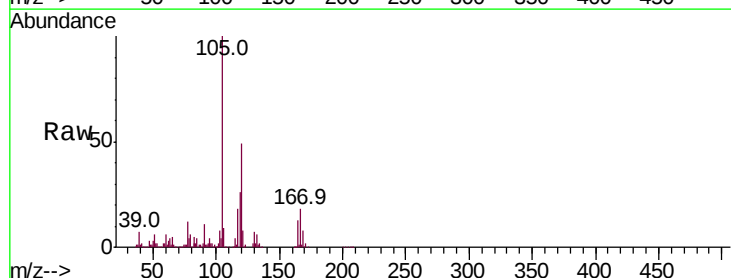
Instrument :
MSVOA_D
ClientSampleID :

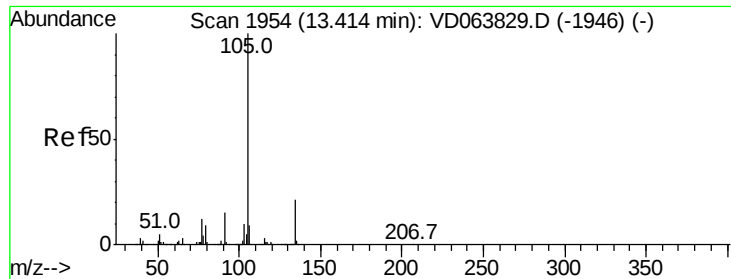
Tot Ion:119 Resp: 715351
Ion Ratio Lower Upper
119 100
91 63.4 30.8 92.3
134 28.2 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 65.119 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Tgt Ion:105 Resp: 844778
Ion Ratio Lower Upper
105 100
120 46.3 23.0 69.0

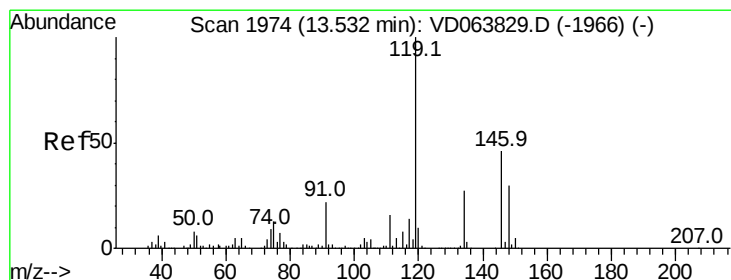
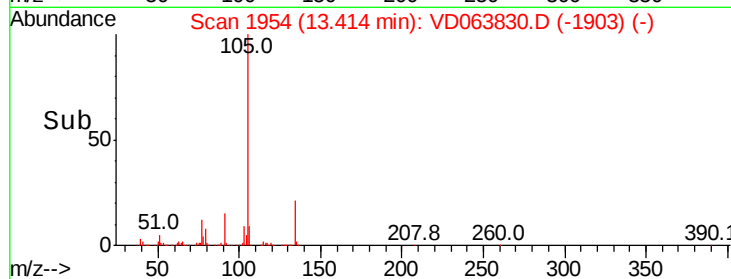
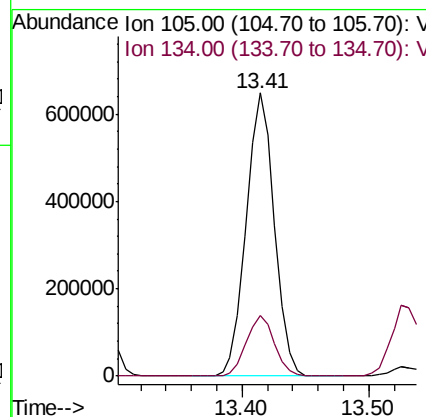
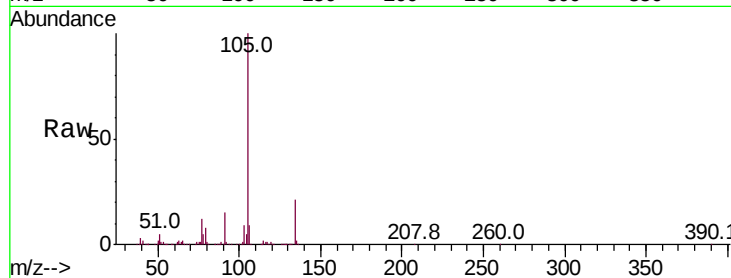




#85
 sec-Butylbenzene
 Concen: 64.063 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VD063830.D
 Acq: 25 Sep 2019 18:48

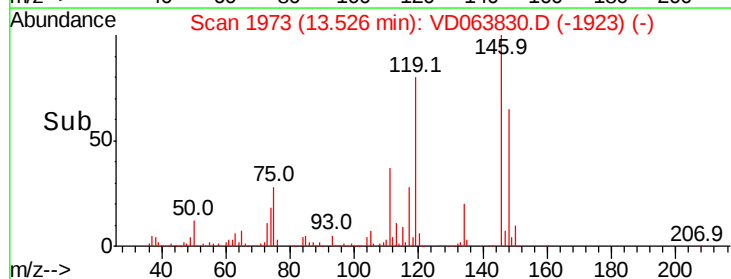
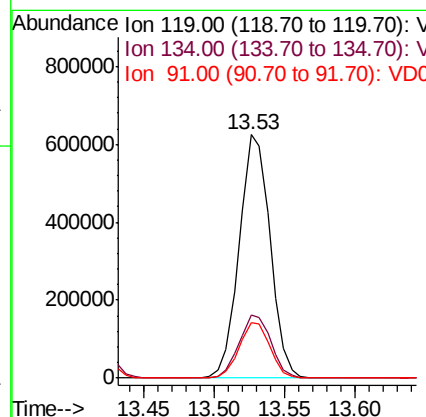
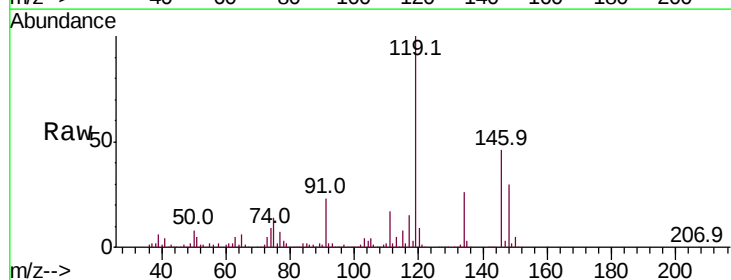
Instrument :
 MSVOA_D
 ClientSampleId :

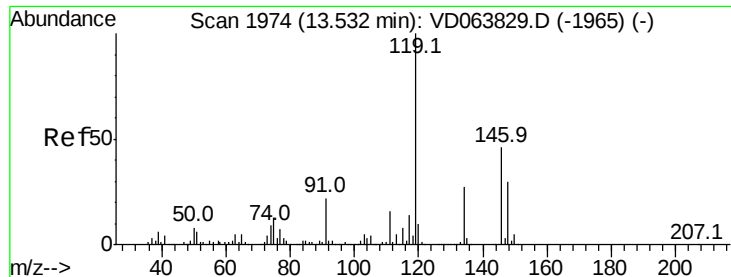
Tot Ion:105 Resp: 995325
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 65.327 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.01 min
 Lab File: VD063830.D
 Acq: 25 Sep 2019 18:48

Tgt Ion:119 Resp: 953220
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.2 39.6
 91 22.6 11.4 34.1

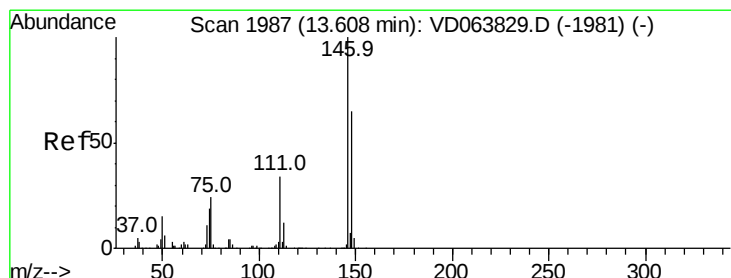
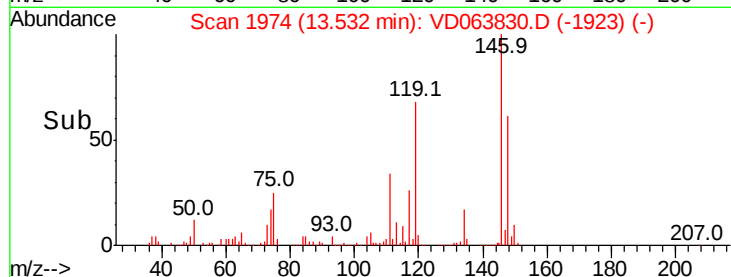
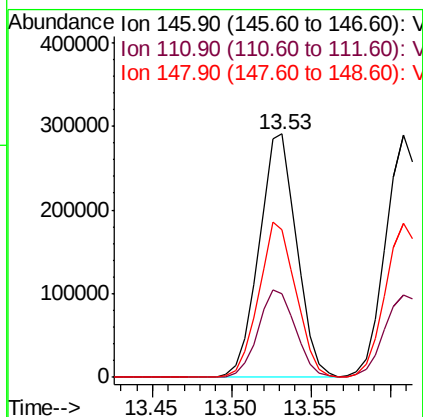
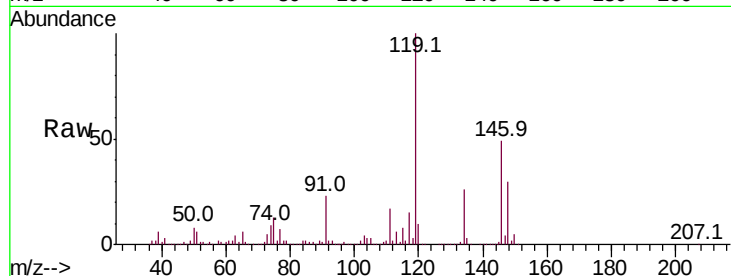




#87
 1,3-Dichlorobenzene
 Concen: 66.314 ug/l
 RT: 13.53 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VD063830.D
 Acq: 25 Sep 2019 18:48

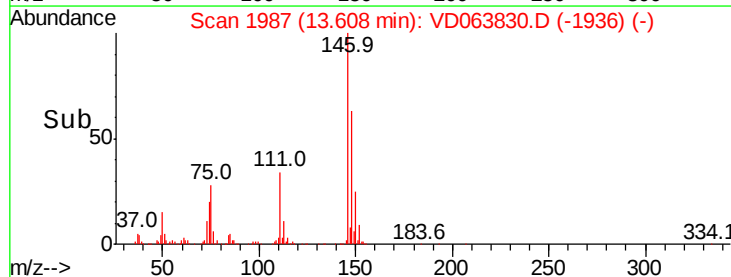
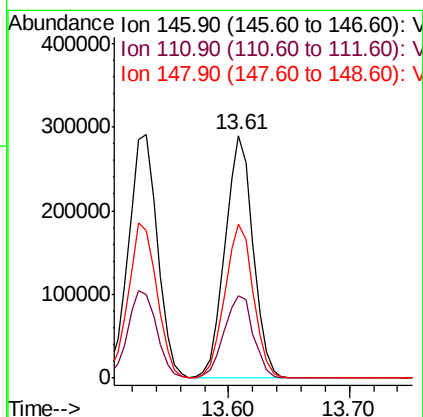
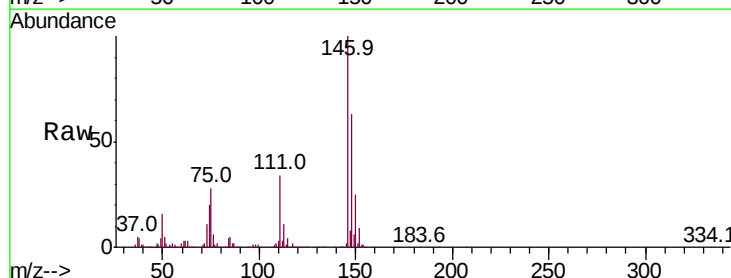
Instrument :
 MSVOA_D
 ClientSampleId :

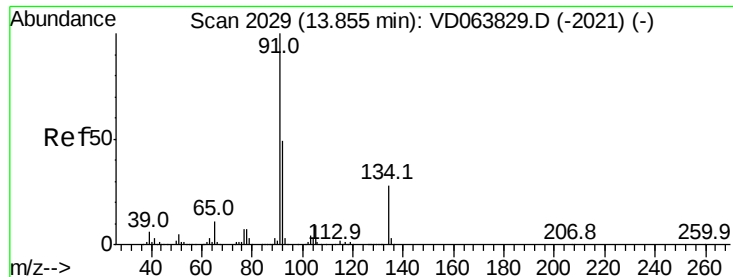
Tot Ion:146 Resp: 479653
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.3 54.8
 148 63.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 64.765 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VD063830.D
 Acq: 25 Sep 2019 18:48

Tgt Ion:146 Resp: 465897
 Ion Ratio Lower Upper
 146 100
 111 35.4 18.5 55.5
 148 64.5 33.0 99.0

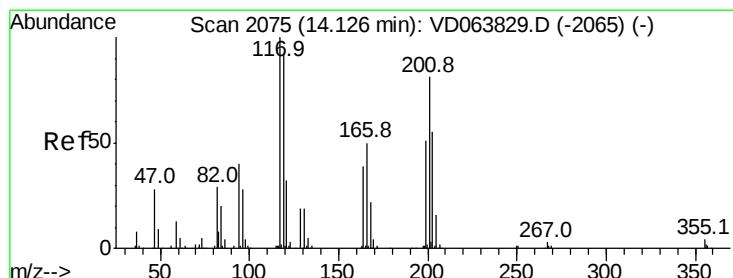
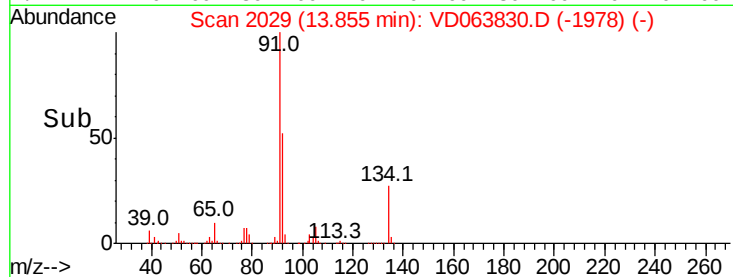
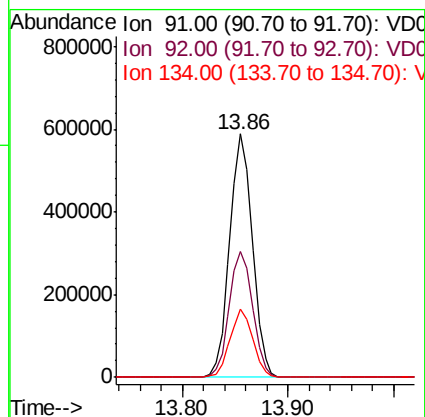
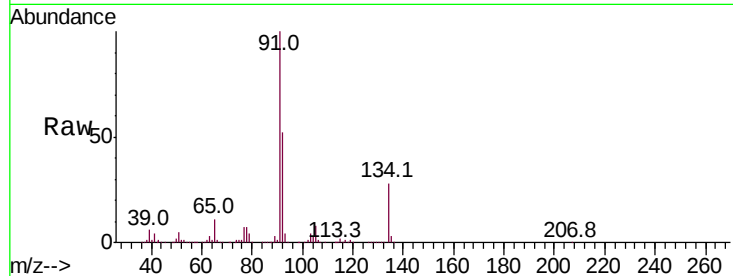




#89
n-Butylbenzene
Concen: 62.958 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

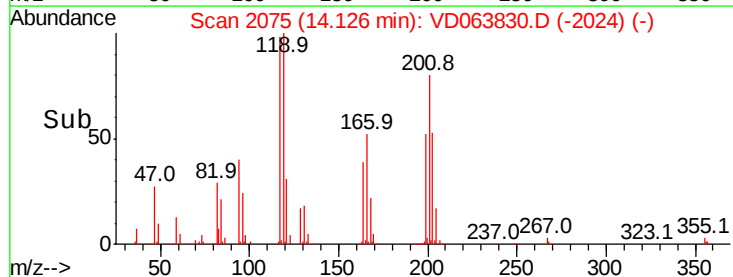
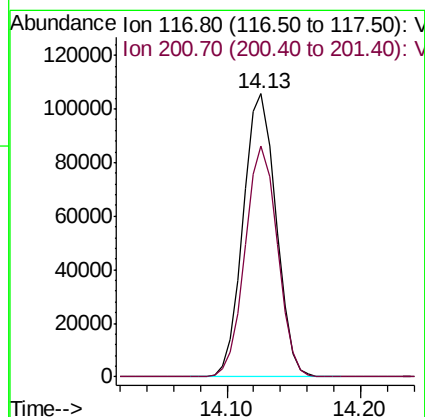
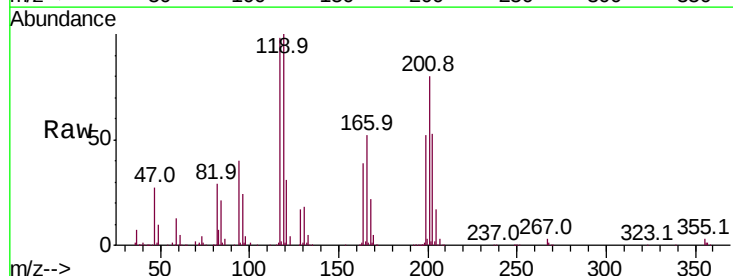
Instrument :
MSVOA_D
ClientSampled :

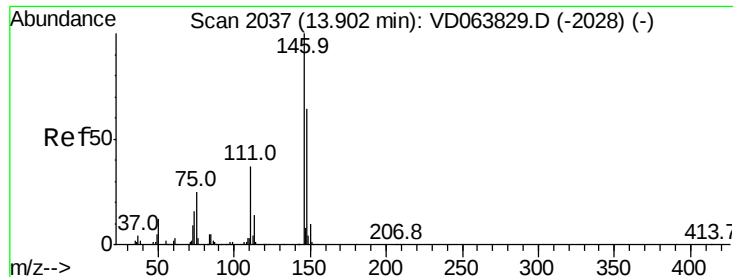
Tot Ion: 91 Resp: 874331
Ion Ratio Lower Upper
91 100
92 53.1 26.1 78.2
134 27.9 14.0 41.9



#90
Hexachloroethane
Concen: 66.621 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Tgt Ion: 117 Resp: 180056
Ion Ratio Lower Upper
117 100
201 80.1 39.3 117.8





#91

1,2-Dichlorobenzene

Concen: 66.084 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA_D

ClientSampleId :

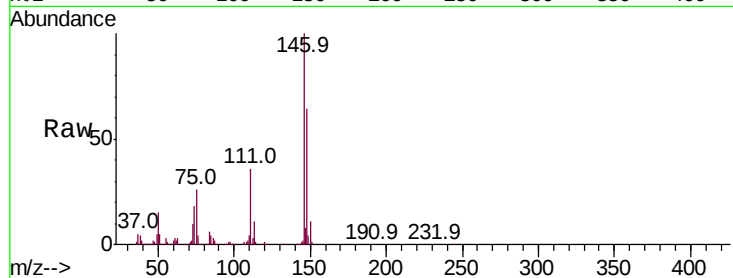
Tot Ion:146 Resp: 410006

Ion Ratio Lower Upper

146 100

111 38.0 18.9 56.7

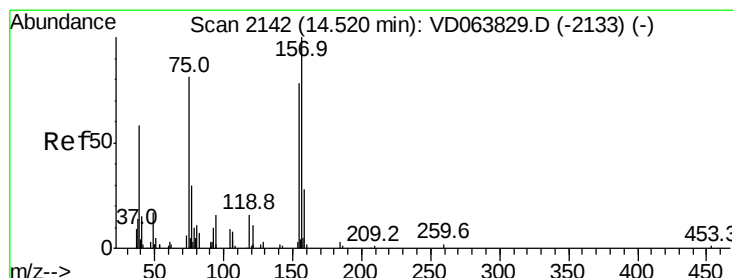
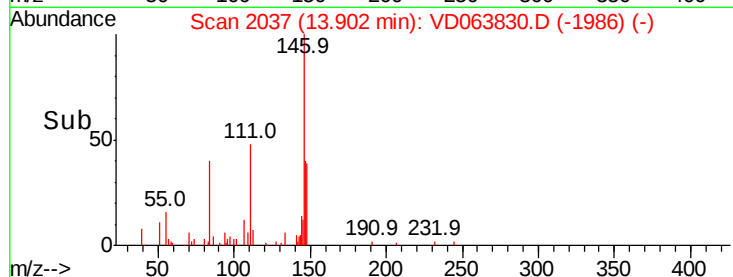
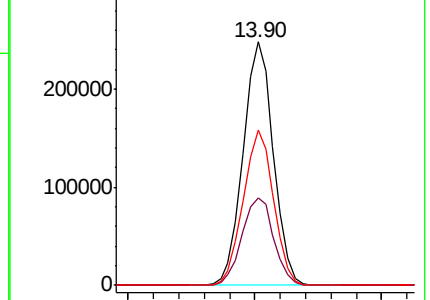
148 64.1 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 63.604 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

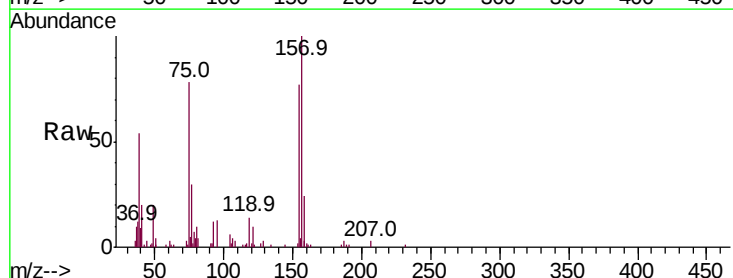
Tgt Ion: 75 Resp: 27420

Ion Ratio Lower Upper

75 100

155 94.6 48.0 144.0

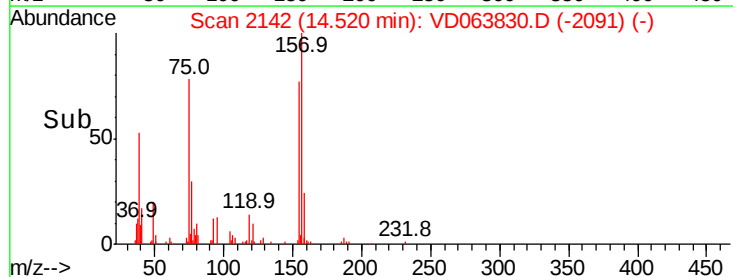
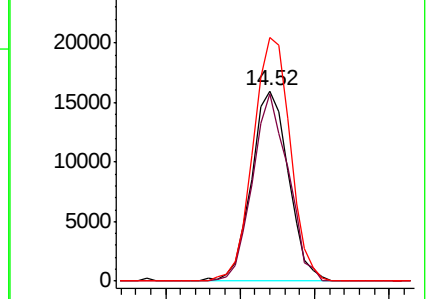
157 127.9 63.2 189.8

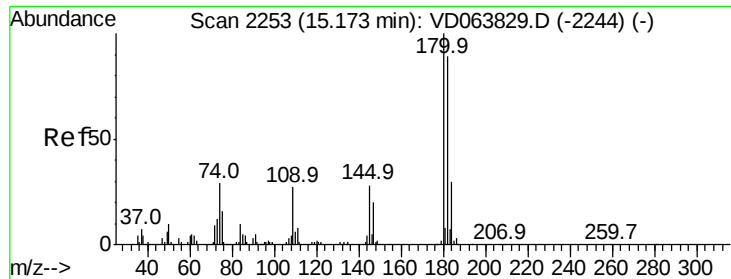


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

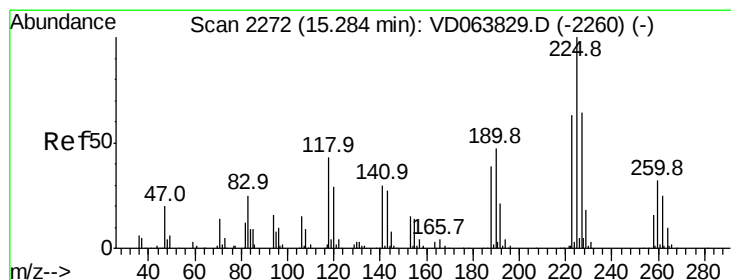
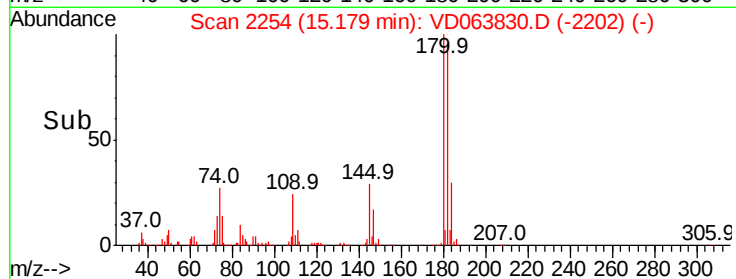
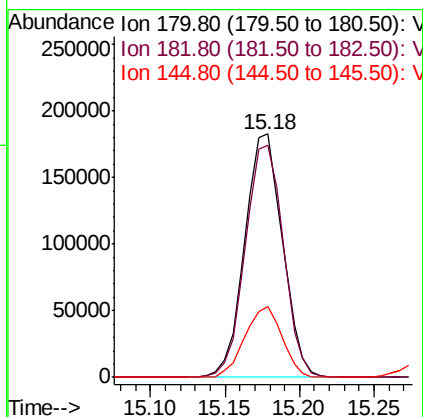
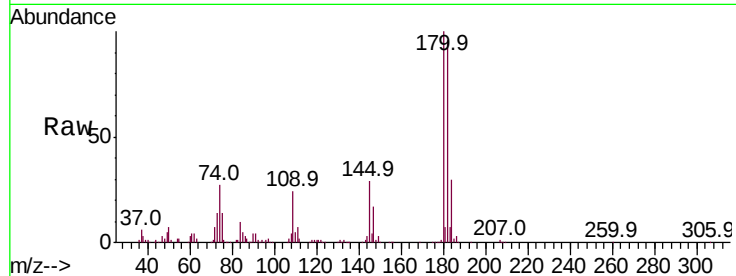




#93
 1,2,4-Trichlorobenzene
 Concen: 67.834 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD063830.D
 Acq: 25 Sep 2019 18:48

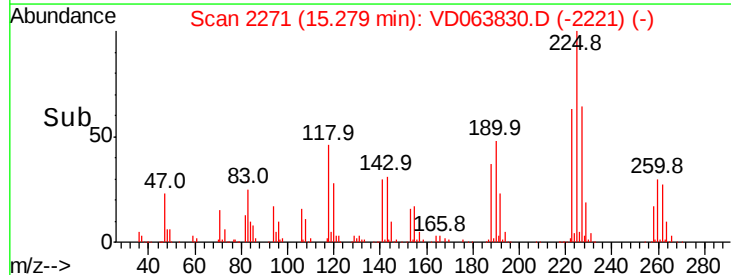
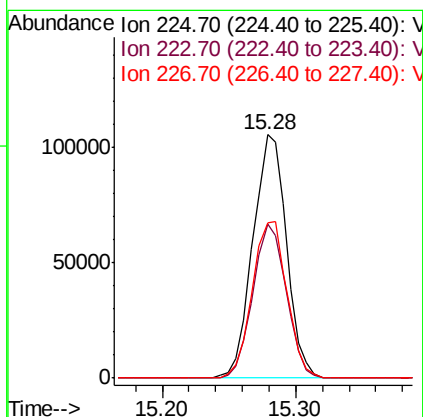
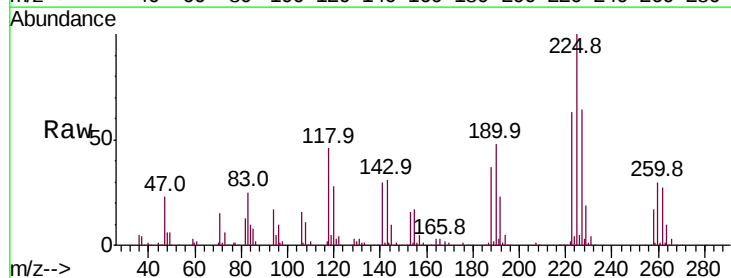
Instrument :
 MSVOA_D
 ClientSampled :

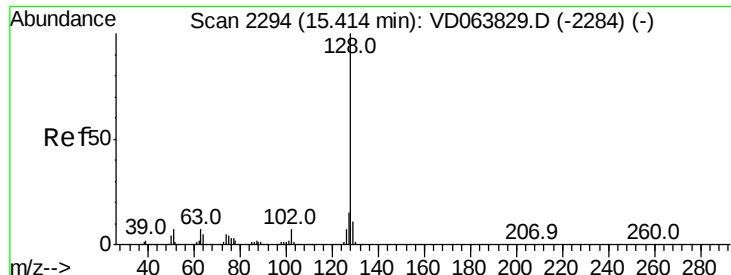
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	46.5	139.5
145	28.9	14.4	43.4



#94
 Hexachlorobutadiene
 Concen: 68.550 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD063830.D
 Acq: 25 Sep 2019 18:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.8	98.3
227	66.2	32.8	98.3

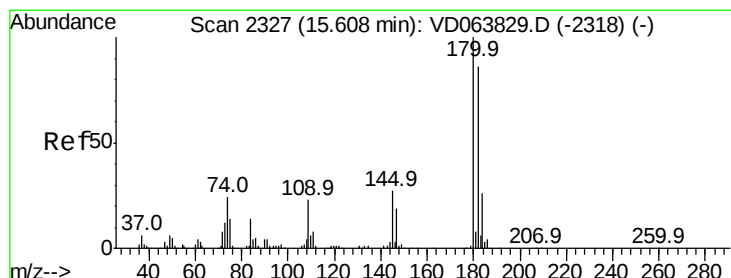
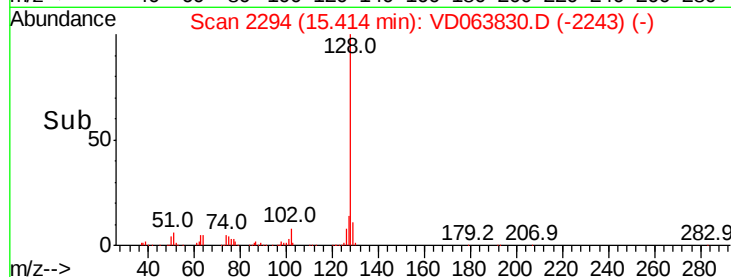
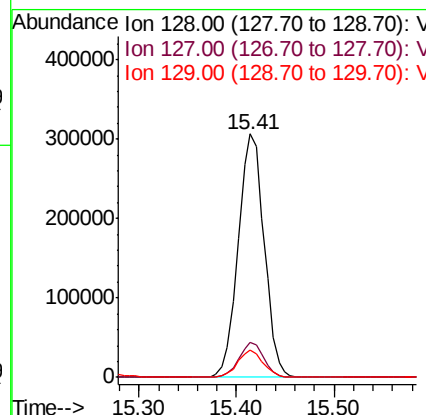
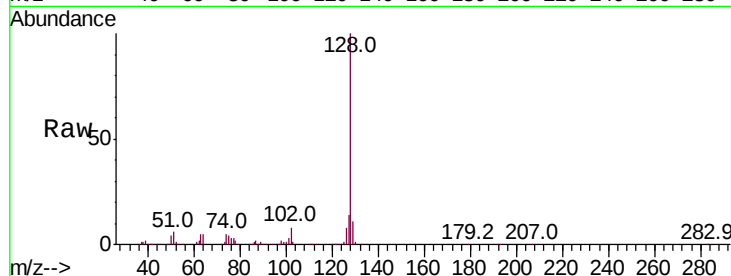




#95
Naphthalene
Concen: 66.596 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.8	16.2
129	11.0	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 66.864 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD063830.D
Acq: 25 Sep 2019 18:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.6	139.7
145	30.0	14.5	43.5

