

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121019\
 Data File : VD064491.D
 Acq On : 10 Dec 2019 18:44
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 11 00:48:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	414206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	626964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	564397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287560	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	193904	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
35) Dibromofluoromethane	7.92	113	197641	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	10.34	98	744909	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.64	95	234969	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	171945	45.814	ug/l	100
3) Chloromethane	2.21	50	222251	46.951	ug/l	97
4) Vinyl Chloride	2.35	62	267114	48.872	ug/l	98
5) Bromomethane	2.77	94	195043	48.256	ug/l	99
6) Chloroethane	2.92	64	185753	50.847	ug/l	100
7) Trichlorofluoromethane	3.27	101	458129	50.421	ug/l	96
8) Diethyl Ether	3.71	74	95976	50.832	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	199396	51.182	ug/l	95
10) Methyl Iodide	4.29	142	233384	56.727	ug/l	100
11) Tert butyl alcohol	5.26	59	60432	253.220	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	185920	49.799	ug/l	95
13) Acrolein	3.92	56	91712	281.741	ug/l	99
14) Allyl chloride	4.71	41	299352	51.377	ug/l	99
15) Acrylonitrile	5.43	53	205104	248.417	ug/l	98
16) Acetone	4.17	43	164806	217.528	ug/l	99
17) Carbon Disulfide	4.40	76	570541	48.251	ug/l	98
18) Methyl Acetate	4.73	43	109078	49.358	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	438697	51.226	ug/l	98
20) Methylene Chloride	4.96	84	214242	56.206	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	214884	50.883	ug/l	96
22) Diisopropyl ether	6.37	45	611868	53.195	ug/l	96
23) Vinyl Acetate	6.31	43	1763893	260.123	ug/l	98
24) 1,1-Dichloroethane	6.27	63	365741	52.873	ug/l	98
25) 2-Butanone	7.23	43	254830	237.837	ug/l	96
26) 2,2-Dichloropropane	7.21	77	311821	51.835	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	242768	52.728	ug/l	99
28) Bromochloromethane	7.56	49	130857	55.354	ug/l	100
29) Tetrahydrofuran	7.57	42	168802	247.626	ug/l	99
30) Chloroform	7.71	83	380877	53.166	ug/l	96
31) Cyclohexane	7.98	56	320039	53.296	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	343514	51.720	ug/l	99
36) 1,1-Dichloropropene	8.11	75	287589	48.495	ug/l	99
37) Ethyl Acetate	7.30	43	119867	47.636	ug/l	100
38) Carbon Tetrachloride	8.10	117	312622	49.949	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	351276	47.753	ug/l	98
40) Benzene	8.35	78	824432	50.054	ug/l	98
41) Methacrylonitrile	7.57	41	171812	119.061	ug/l #	26
42) 1,2-Dichloroethane	8.43	62	239224	49.804	ug/l	99
43) Isopropyl Acetate	8.46	43	240960	48.703	ug/l	99
44) Trichloroethene	9.11	130	239665	48.306	ug/l	100
45) 1,2-Dichloropropane	9.39	63	203422	51.642	ug/l	100
46) Dibromomethane	9.48	93	112407	50.561	ug/l	98
47) Bromodichloromethane	9.66	83	298219	52.205	ug/l	99
48) Methyl methacrylate	9.46	41	110036	48.603	ug/l	96
49) 1,4-Dioxane	9.47	88	25780	939.041	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	590360	241.160	ug/l	99
52) Toluene	10.41	92	533170	49.671	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	275841	50.667	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	333908	51.628	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	153261	50.345	ug/l	99
56) Ethyl methacrylate	10.66	69	192363	49.543	ug/l	98
57) 1,3-Dichloropropane	10.95	76	261844	50.529	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	362674	234.315	ug/l	99
59) 2-Hexanone	10.99	43	394736	232.383	ug/l	99
60) Dibromochloromethane	11.14	129	208629	50.546	ug/l	100
61) 1,2-Dibromoethane	11.25	107	150505	49.516	ug/l	99
64) Tetrachloroethene	10.88	164	208076	48.345	ug/l	95
65) Chlorobenzene	11.67	112	576769	48.997	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	225719	51.798	ug/l	98
67) Ethyl Benzene	11.75	91	1030207	49.188	ug/l	99
68) m/p-Xylenes	11.86	106	799810	100.154	ug/l	100
69) o-Xylene	12.18	106	371796	50.411	ug/l	99
70) Styrene	12.20	104	646099	50.411	ug/l	100
71) Bromoform	12.37	173	124805	47.871	ug/l #	99
73) Isopropylbenzene	12.48	105	986514	47.700	ug/l	100
74) N-amyl acetate	12.29	43	220401	46.954	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	156215	45.676	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	209172	88.452	ug/l #	100
77) Bromobenzene	12.77	156	247017	48.366	ug/l	99
78) n-propylbenzene	12.83	91	1139186	47.739	ug/l	100
79) 2-Chlorotoluene	12.91	91	629142	47.915	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	812446	48.071	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	50741	46.787	ug/l	100
82) 4-Chlorotoluene	13.01	91	677392	48.726	ug/l	100
83) tert-Butylbenzene	13.23	119	718942	48.930	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	814979	47.956	ug/l	100
85) sec-Butylbenzene	13.41	105	959972	47.603	ug/l	99
86) p-Isopropyltoluene	13.52	119	914149	48.015	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	469184	48.402	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	461144	48.185	ug/l	99
89) n-Butylbenzene	13.85	91	833807	48.226	ug/l	99
90) Hexachloroethane	14.12	117	176634	49.603	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	402488	48.585	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24807	48.403	ug/l	95

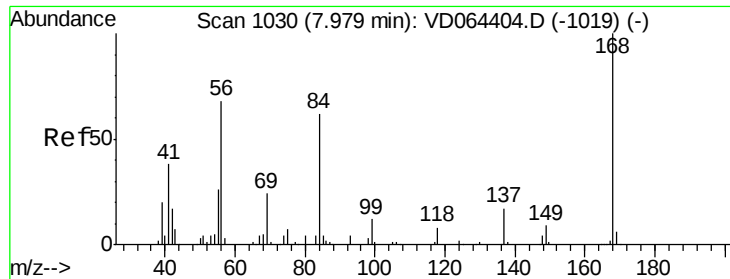
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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	300917	47.430	ug/l	99
94) Hexachlorobutadiene	15.28	225	183278	46.794	ug/l	99
95) Naphthalene	15.41	128	487151	46.009	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	260551	48.111	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

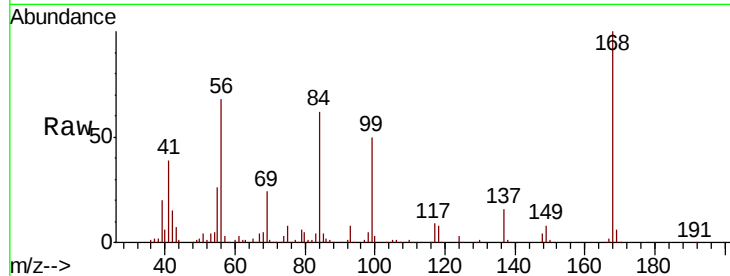
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 414206

Ion Ratio Lower Upper

168 100

99 49.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

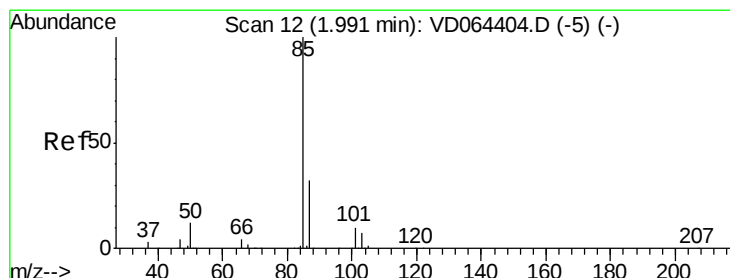
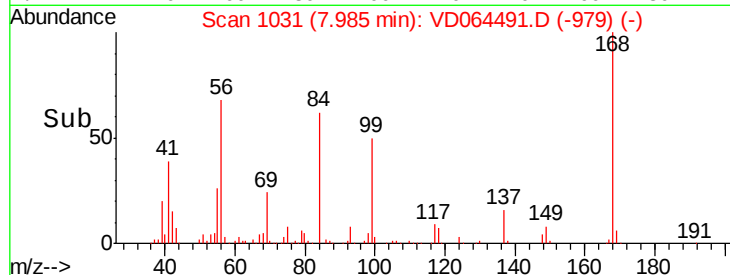
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.814 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064491.D

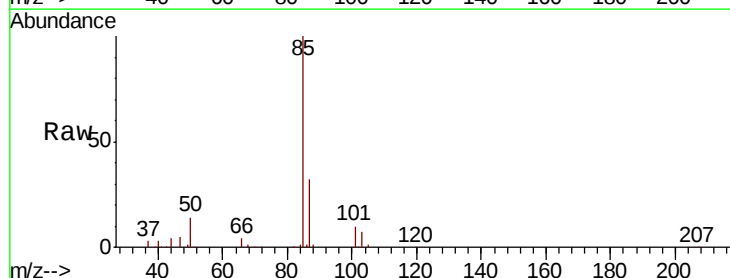
Acq: 10 Dec 2019 18:44

Tgt Ion: 85 Resp: 171945

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

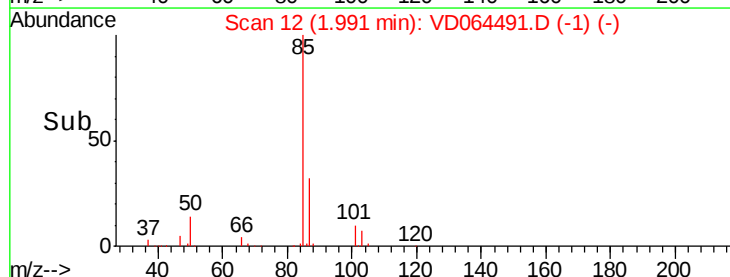
1.99

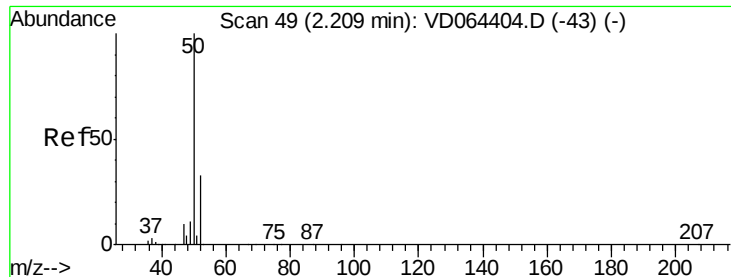
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.951 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

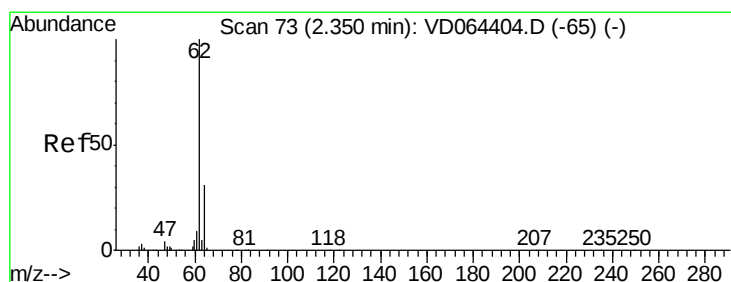
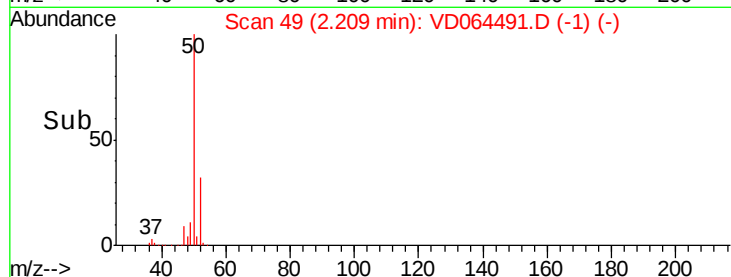
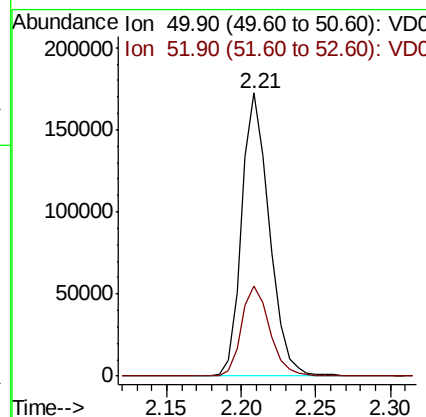
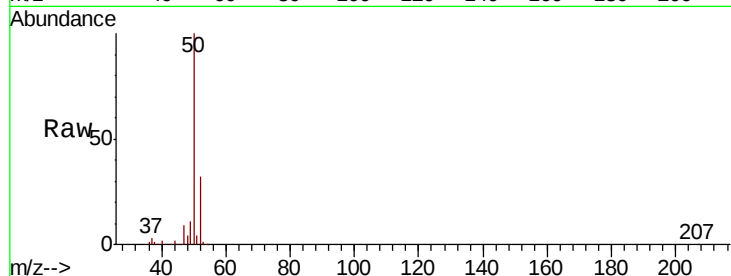
ClientSampleId :

Tot Ion: 50 Resp: 222251

Ion Ratio Lower Upper

50 100

52 31.7 26.7 40.1



#4

Vinyl Chloride

Concen: 48.872 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064491.D

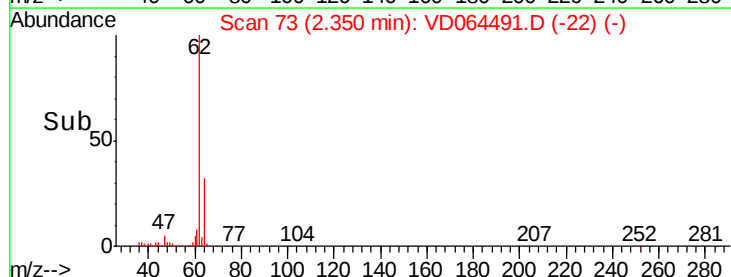
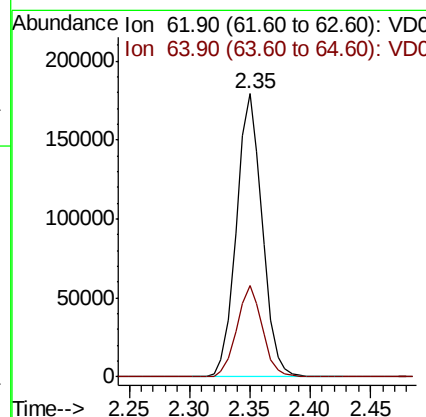
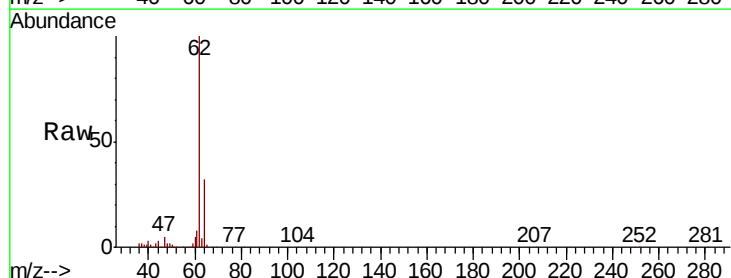
Acq: 10 Dec 2019 18:44

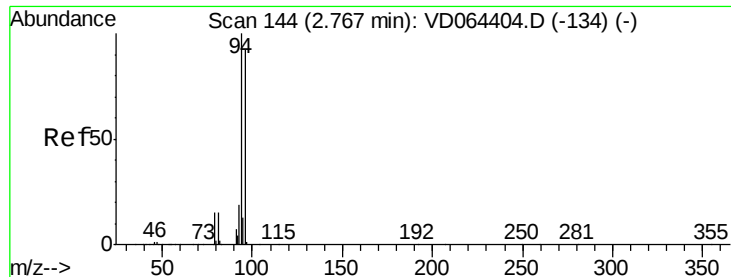
Tgt Ion: 62 Resp: 267114

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4





#5

Bromomethane

Concen: 48.256 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

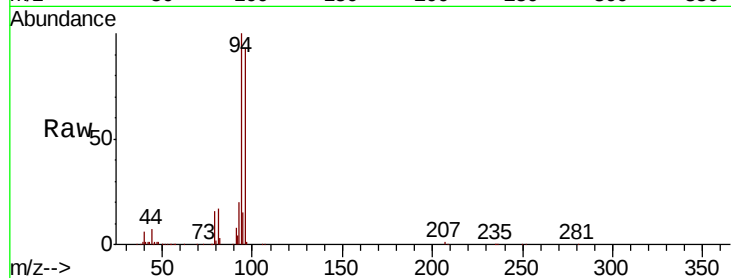
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 195043

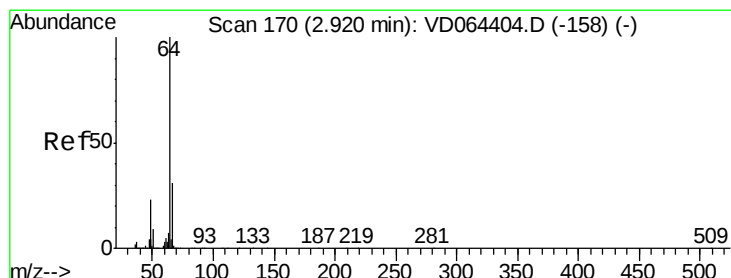
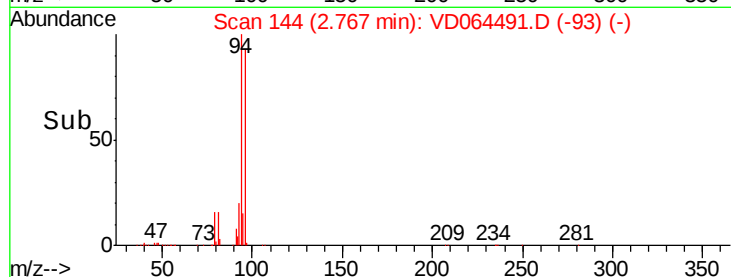
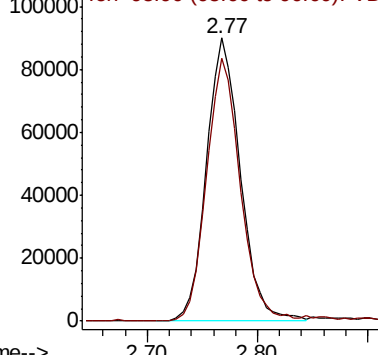
Ion Ratio Lower Upper

94 100

96 92.9 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.847 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064491.D

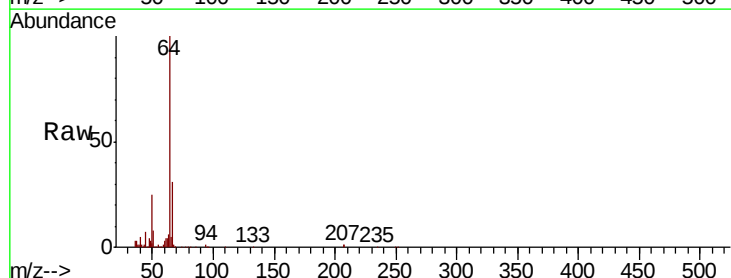
Acq: 10 Dec 2019 18:44

Tgt Ion: 64 Resp: 185753

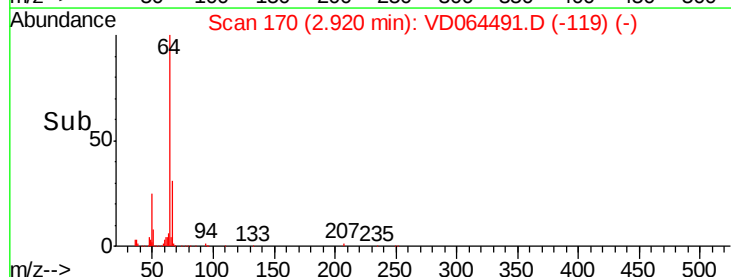
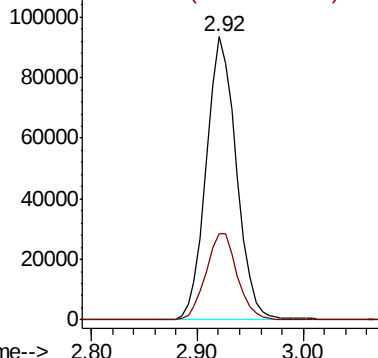
Ion Ratio Lower Upper

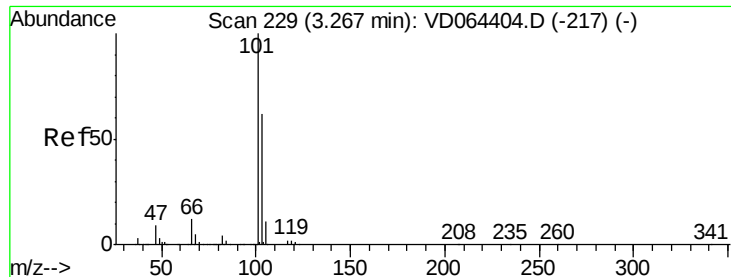
64 100

66 30.5 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



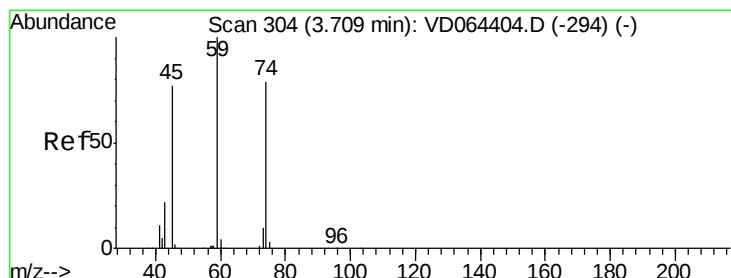
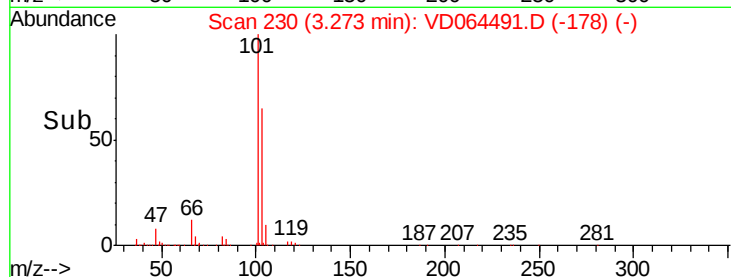
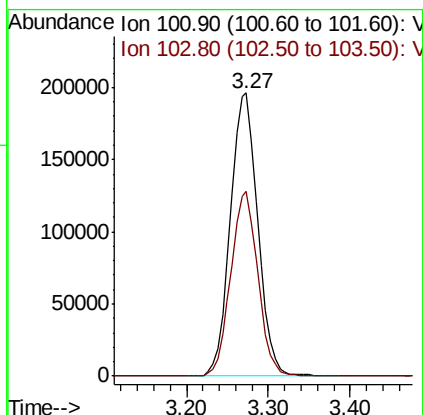
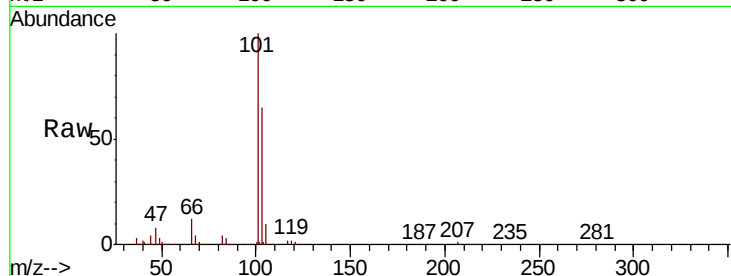


#7

Trichlorofluoromethane
Concen: 50.421 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :

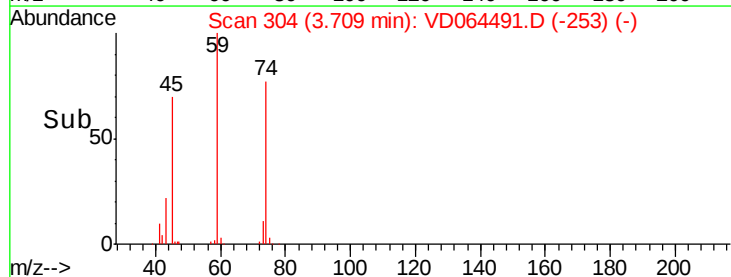
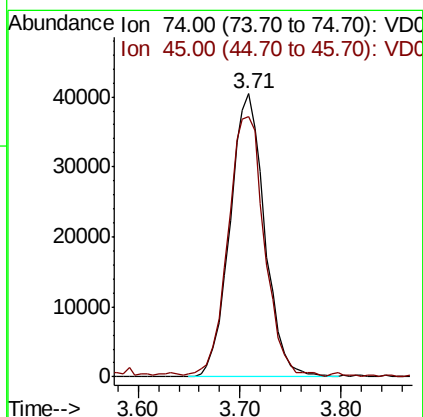
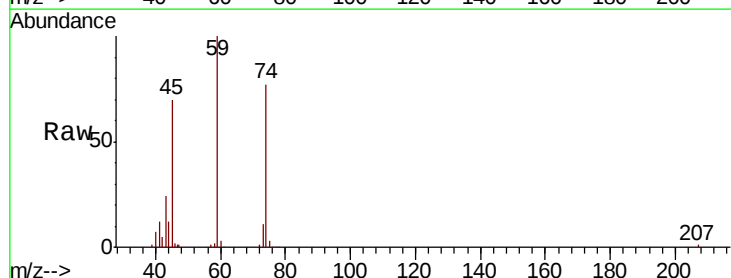
Tot Ion:101 Resp: 458129
Ion Ratio Lower Upper
101 100
103 65.1 49.8 74.6

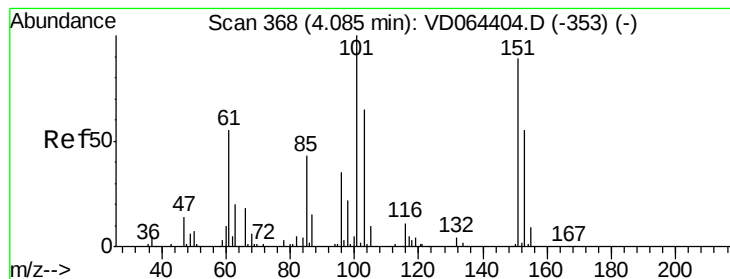


#8

Diethyl Ether
Concen: 50.832 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion: 74 Resp: 95976
Ion Ratio Lower Upper
74 100
45 95.7 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.182 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

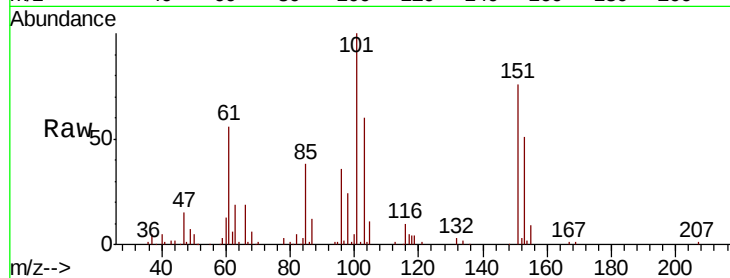
Tot Ion:101 Resp: 199396

Ion Ratio Lower Upper

101 100

85 41.6 34.8 52.2

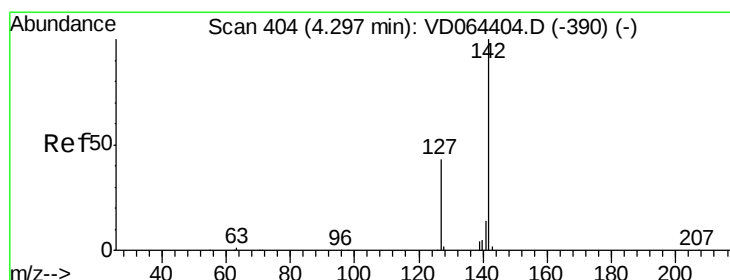
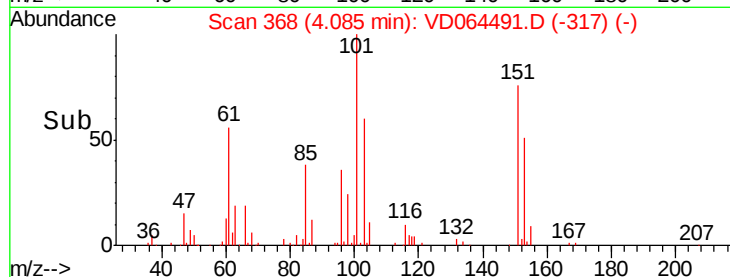
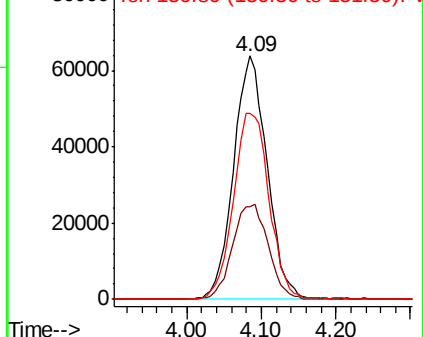
151 81.1 68.8 103.2



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: 56.727 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

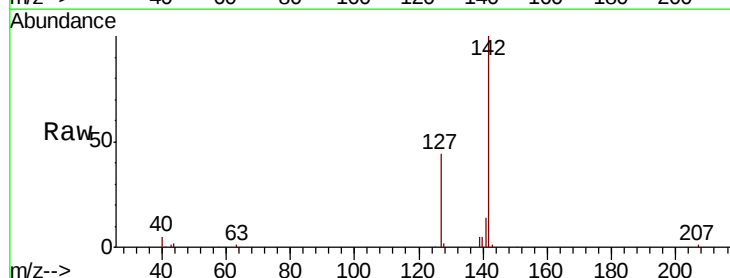
Tgt Ion:142 Resp: 233384

Ion Ratio Lower Upper

142 100

127 44.3 35.3 52.9

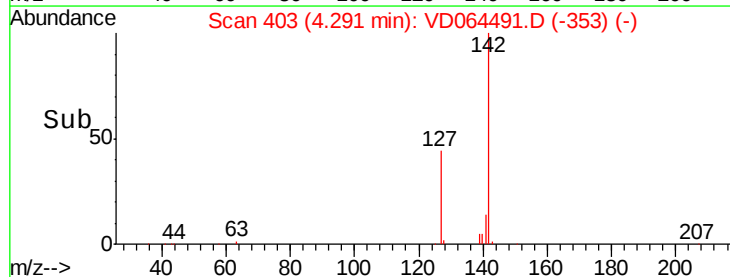
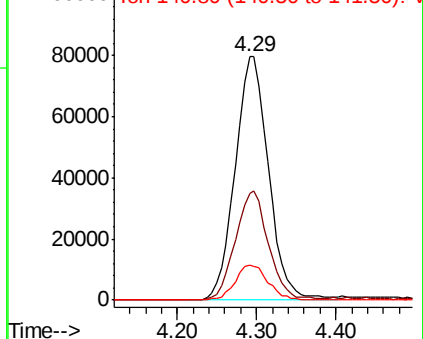
141 14.2 11.6 17.4

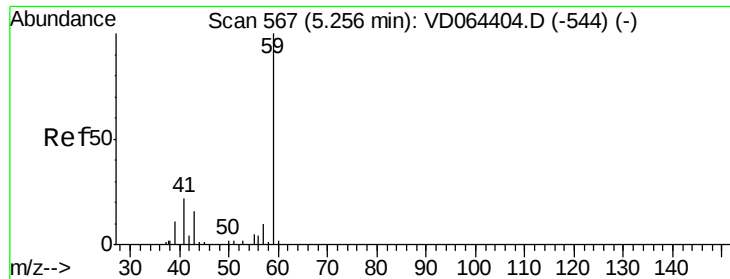


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

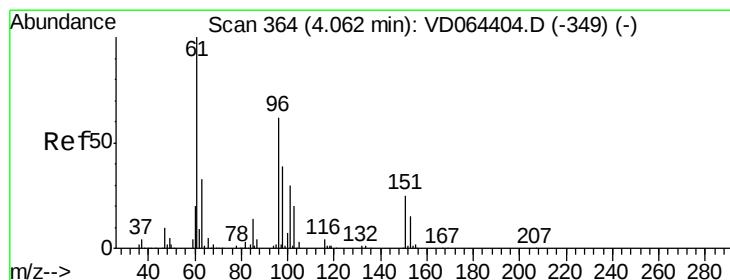
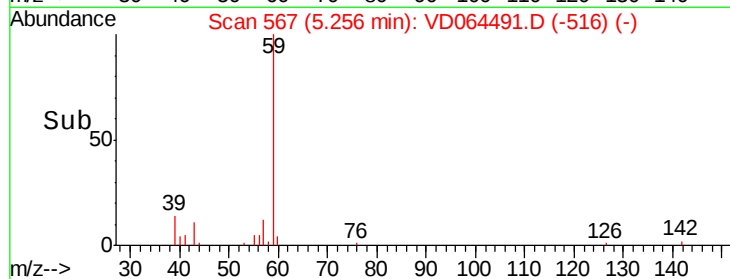
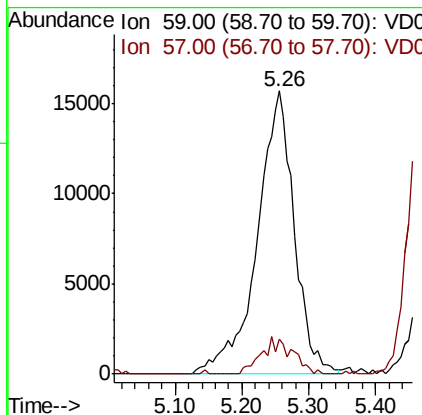
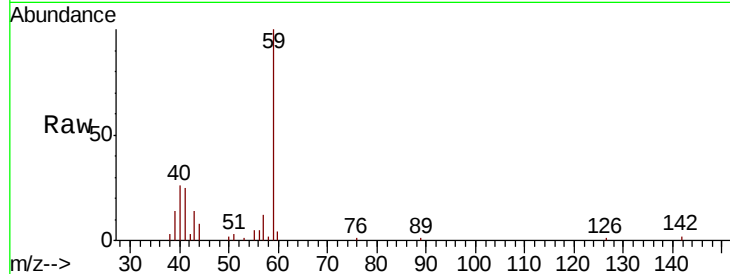




#11
Tert butyl alcohol
Concen: 253.220 ug/l
RT: 5.26 min Scan# 567
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

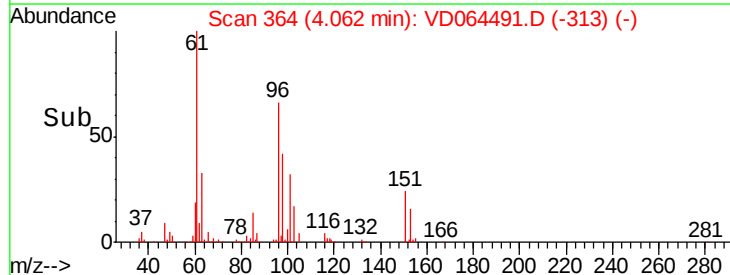
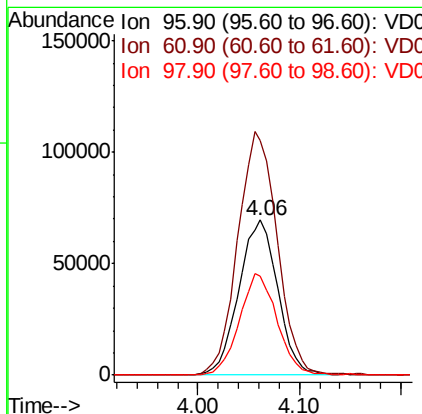
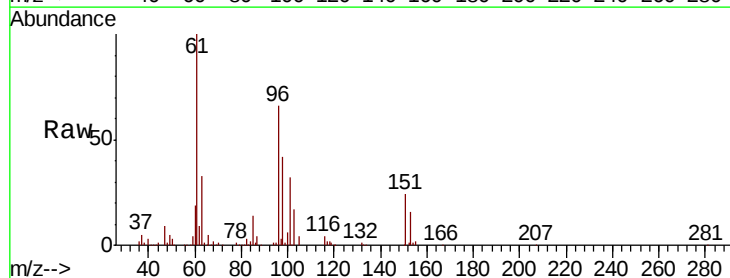
Instrument :
MSVOA_D
ClientSampleId :

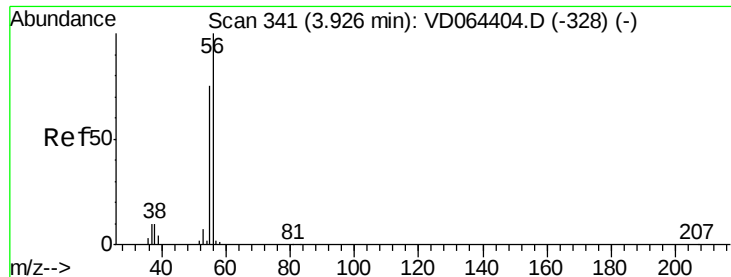
Tot Ion: 59 Resp: 60432
Ion Ratio Lower Upper
59 100
57 7.8 0.0 0.0#



#12
1,1-Dichloroethene
Concen: 49.799 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion: 96 Resp: 185920
Ion Ratio Lower Upper
96 100
61 152.0 128.2 192.4
98 64.0 50.4 75.6





#13

Acrolein

Concen: 281.741 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

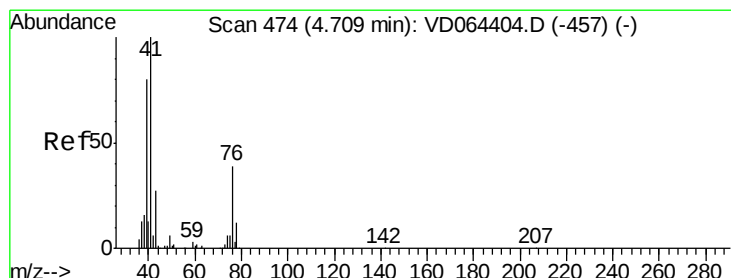
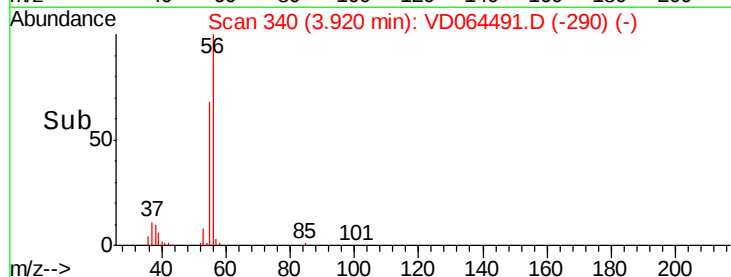
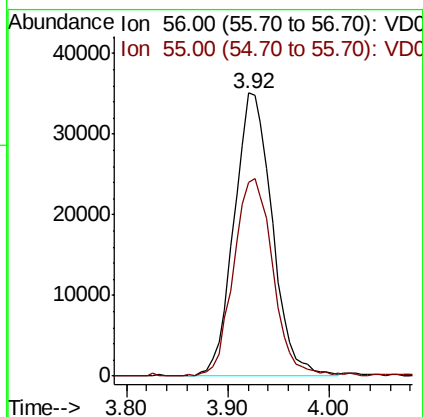
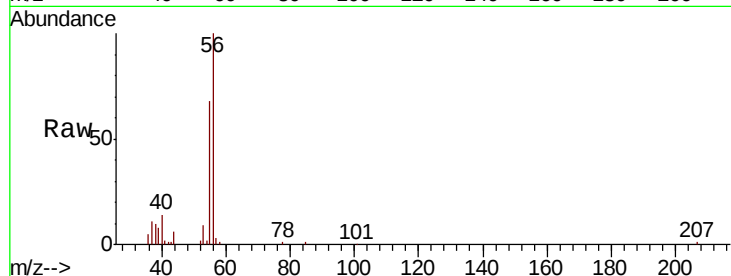
ClientSampleId :

Tot Ion: 56 Resp: 91712

Ion Ratio Lower Upper

56 100

55 72.1 56.9 85.3



#14

Allyl chloride

Concen: 51.377 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

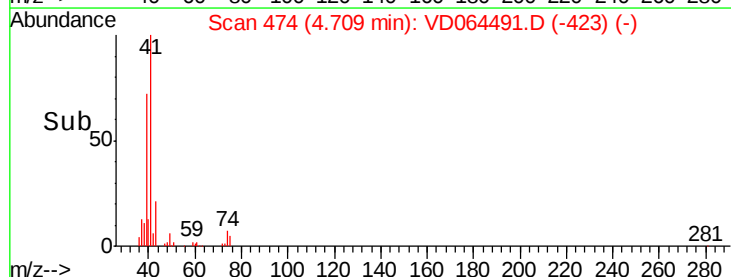
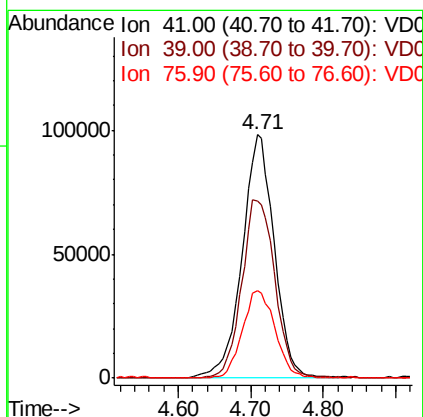
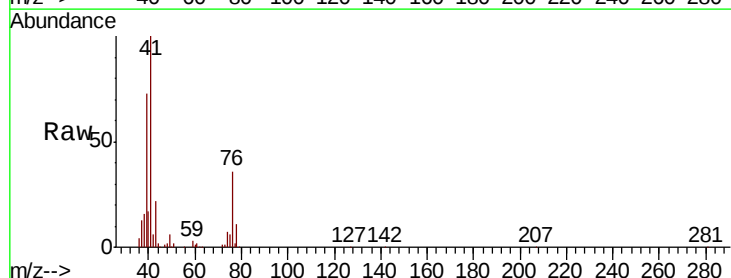
Tgt Ion: 41 Resp: 299352

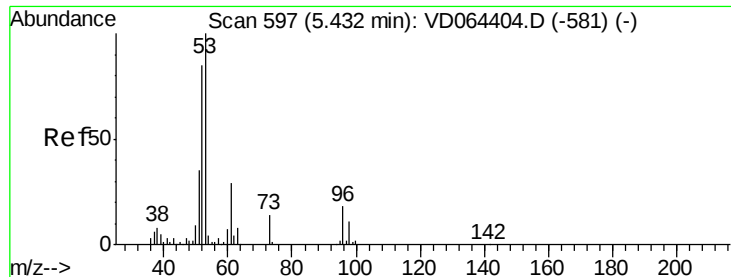
Ion Ratio Lower Upper

41 100

39 76.3 62.1 93.1

76 36.9 29.8 44.8





#15

Acrylonitrile

Concen: 248.417 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

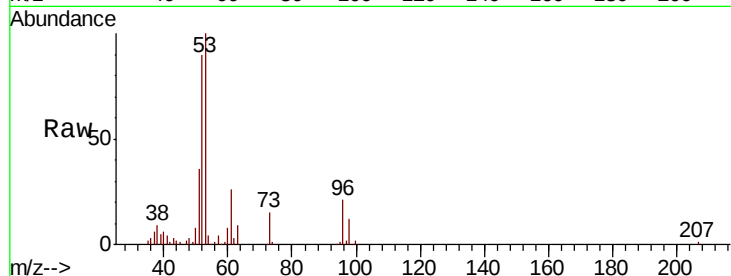
Tot Ion: 53 Resp: 205104

Ion Ratio Lower Upper

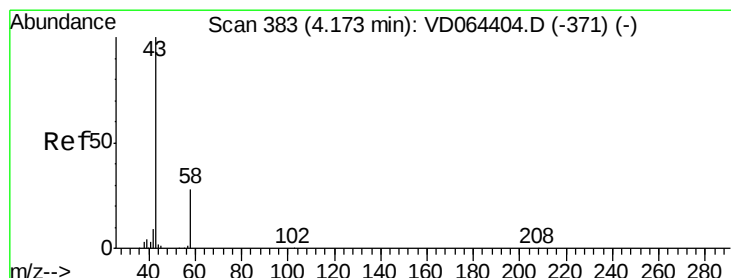
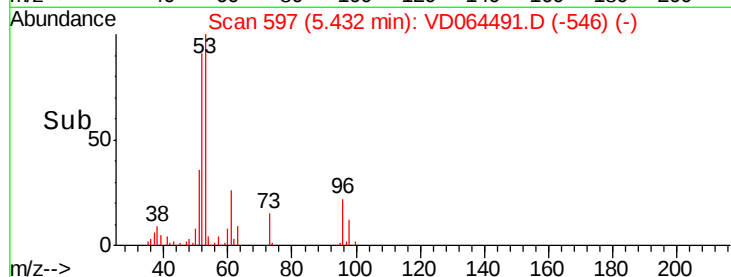
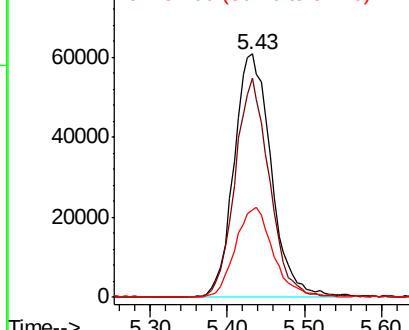
53 100

52 83.1 67.9 101.9

51 37.9 30.6 45.8



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



#16

Acetone

Concen: 217.528 ug/l

RT: 4.17 min Scan# 383

Delta R.T. -0.00 min

Lab File: VD064491.D

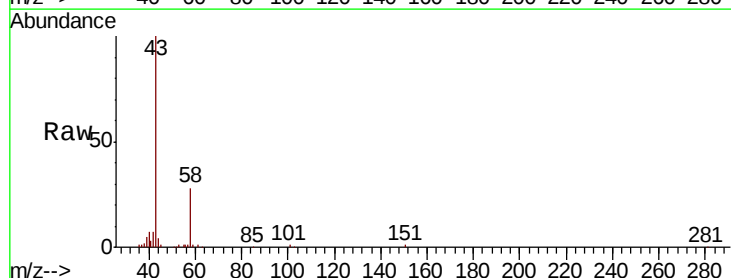
Acq: 10 Dec 2019 18:44

Tgt Ion: 43 Resp: 164806

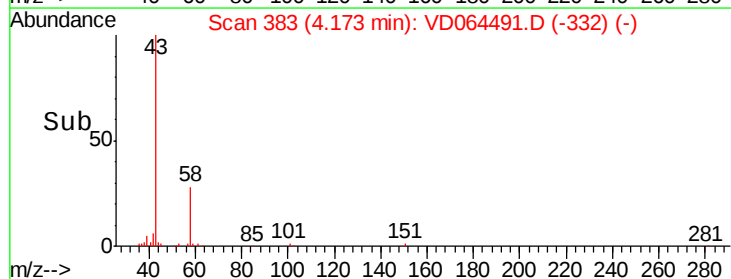
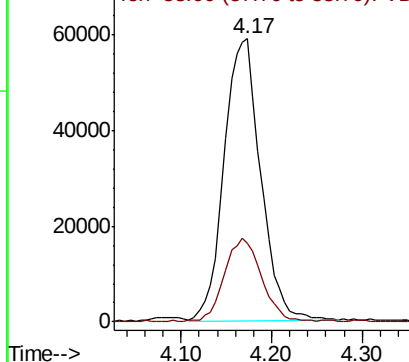
Ion Ratio Lower Upper

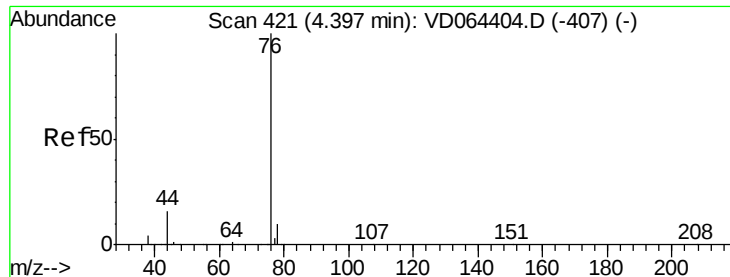
43 100

58 27.8 22.6 33.8



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

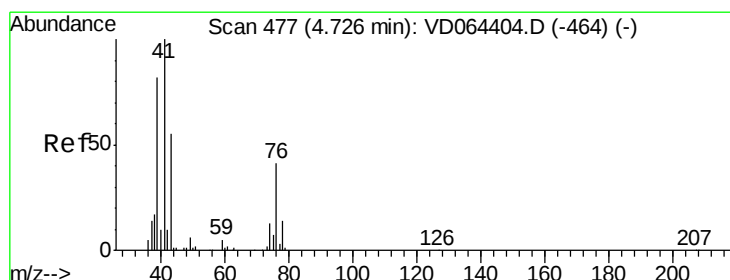
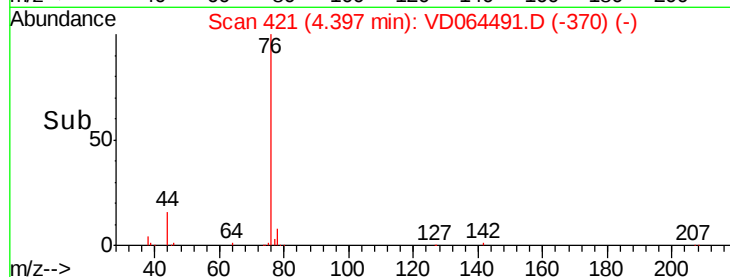
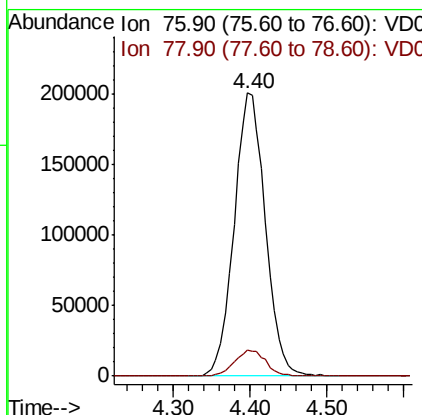
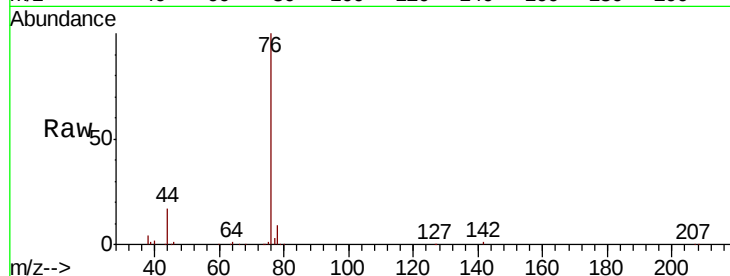




#17
Carbon Disulfide
Concen: 48.251 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

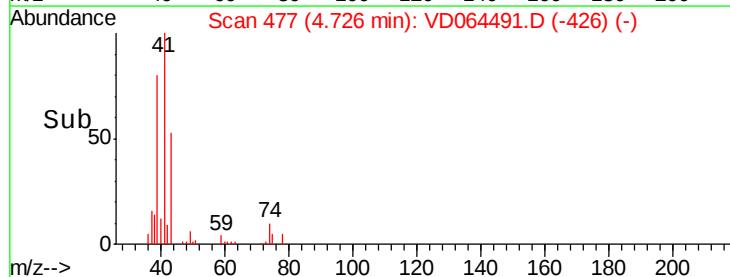
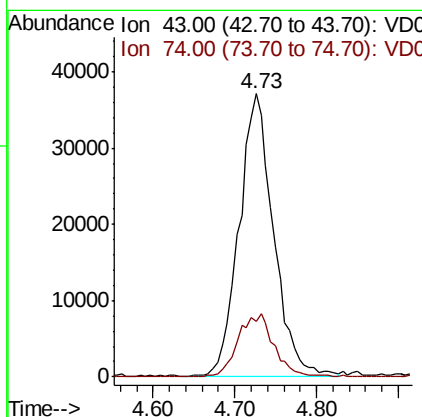
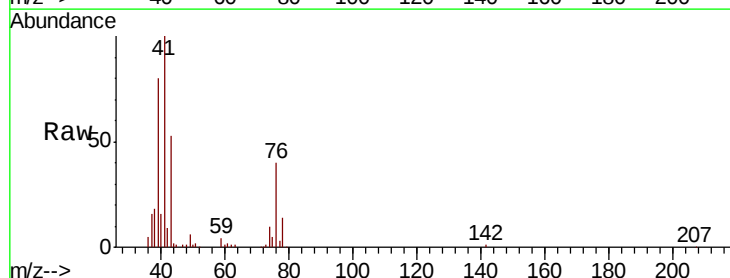
Instrument :
MSVOA_D
ClientSampleId :

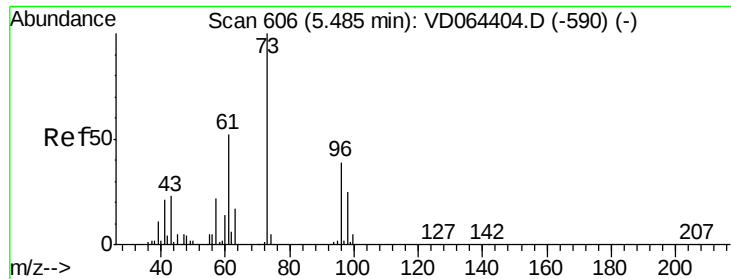
Tot Ion: 76 Resp: 570541
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.8



#18
Methyl Acetate
Concen: 49.358 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion: 43 Resp: 109078
Ion Ratio Lower Upper
43 100
74 23.0 19.7 29.5

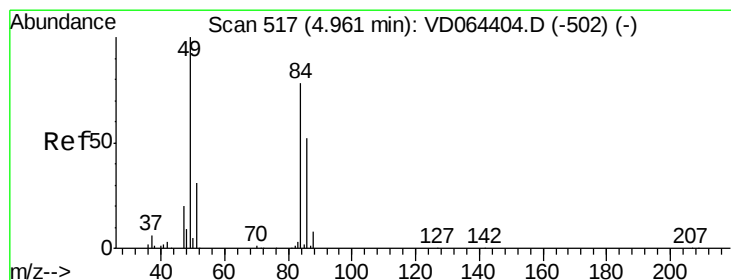
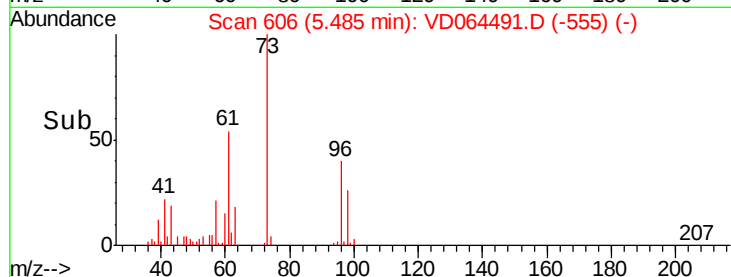
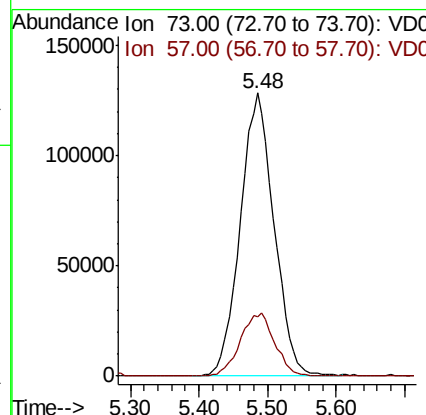
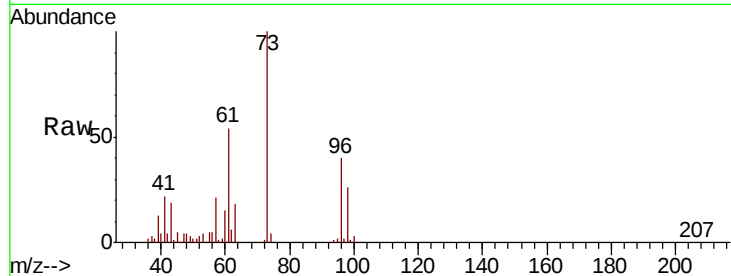




#19
Methvl tert-butvl Ether
Concen: 51.226 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

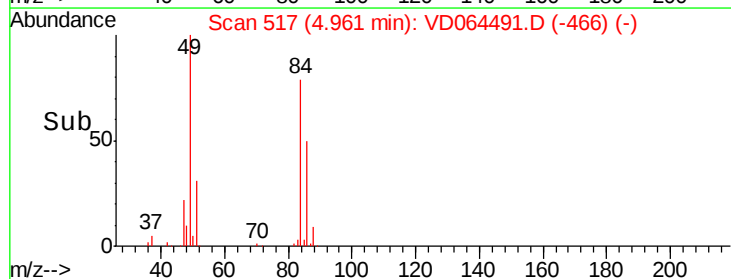
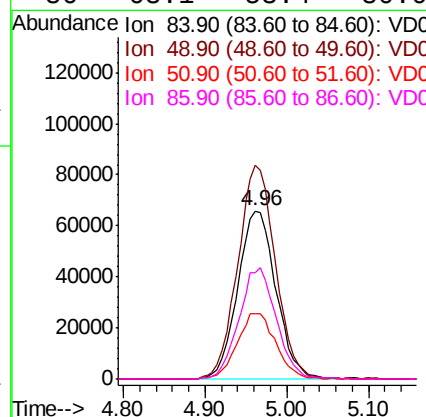
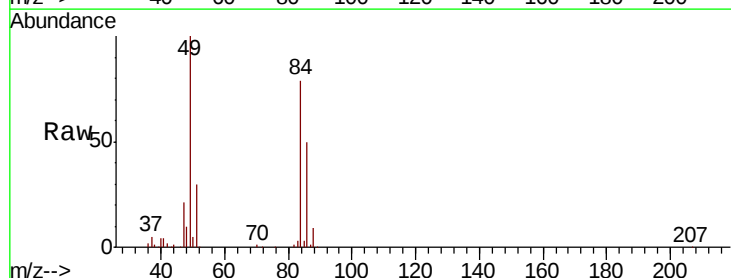
Instrument :
MSVOA_D
ClientSampleId :

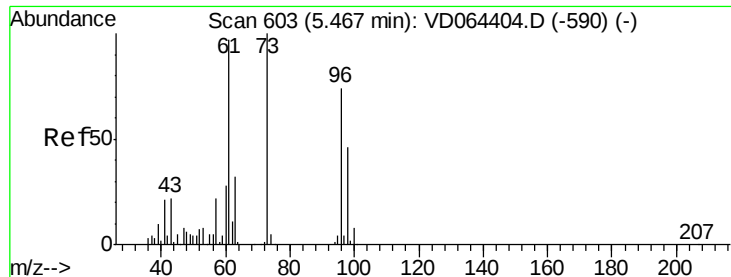
Tot Ion: 73 Resp: 438697
Ion Ratio Lower Upper
73 100
57 20.8 17.6 26.4



#20
Methylene Chloride
Concen: 56.206 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion: 84 Resp: 214242
Ion Ratio Lower Upper
84 100
49 126.9 102.6 153.8
51 38.6 32.0 48.0
86 63.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 50.883 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

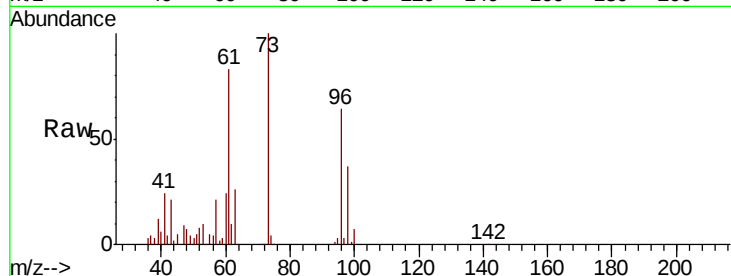
Tot Ion: 96 Resp: 214884

Ion Ratio Lower Upper

96 100

61 129.1 105.8 158.6

98 58.2 50.1 75.1

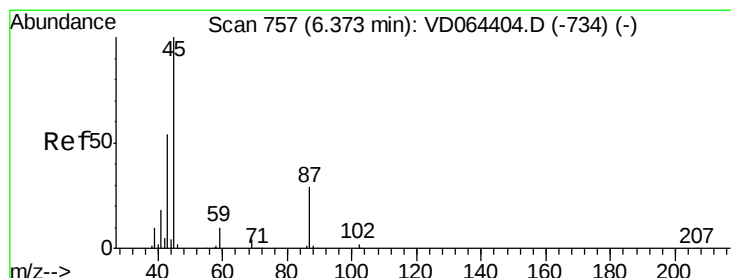
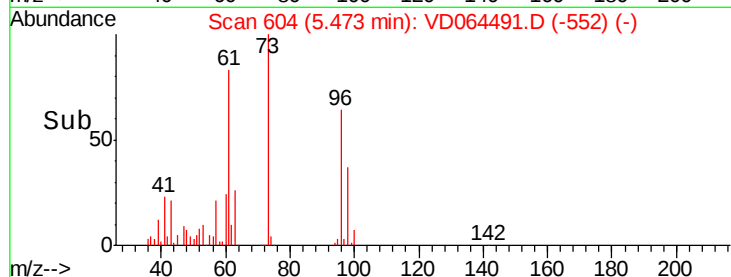
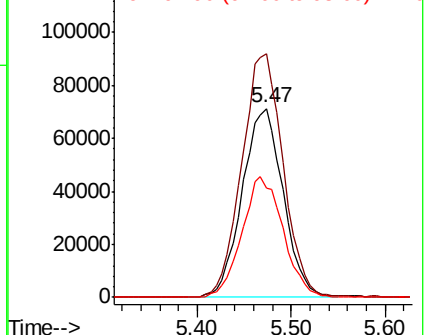


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 53.195 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Tgt Ion: 45 Resp: 611868

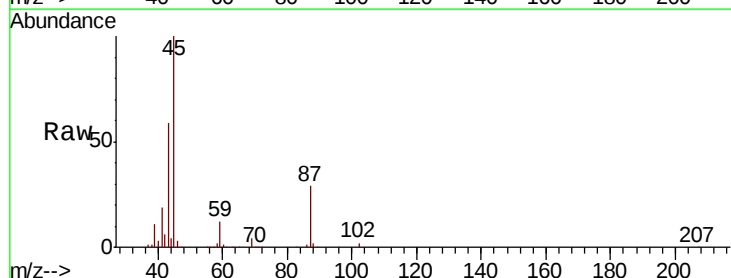
Ion Ratio Lower Upper

45 100

43 58.2 43.1 64.7

87 28.7 23.5 35.3

59 11.9 8.2 12.2



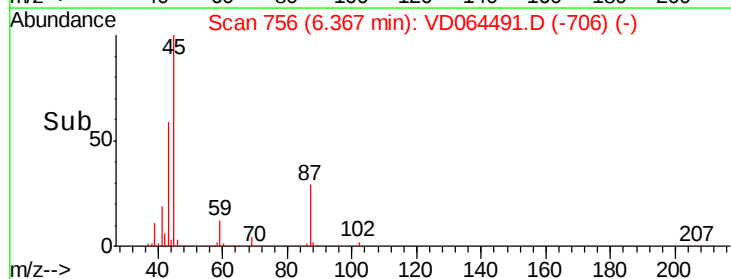
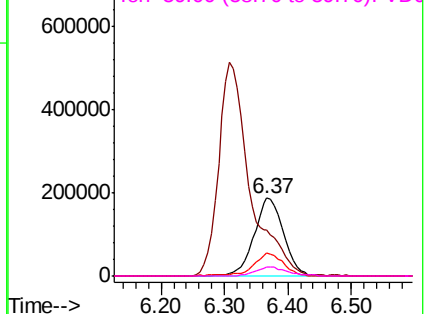
Abundance

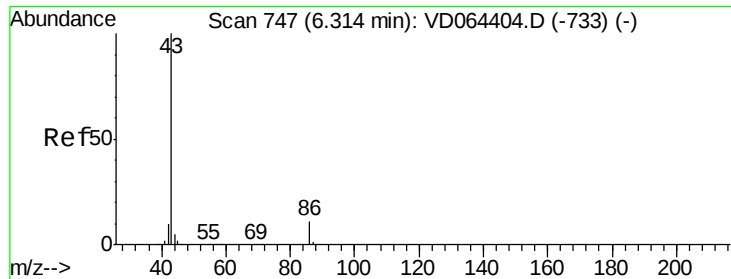
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 260.123 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

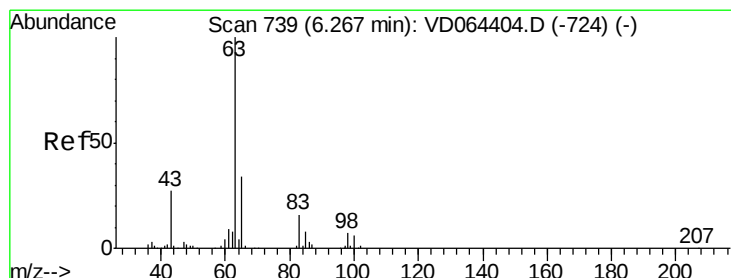
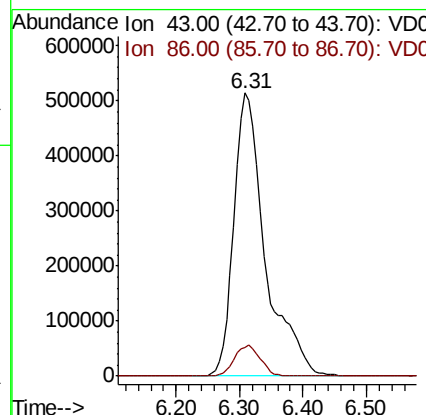
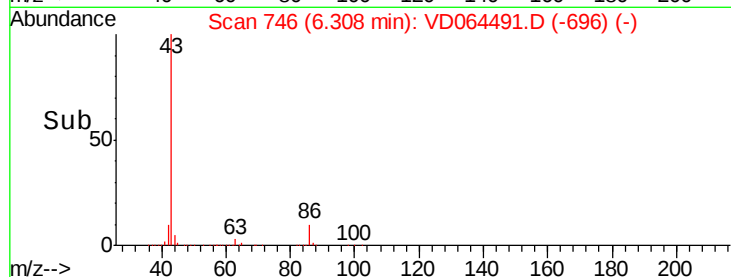
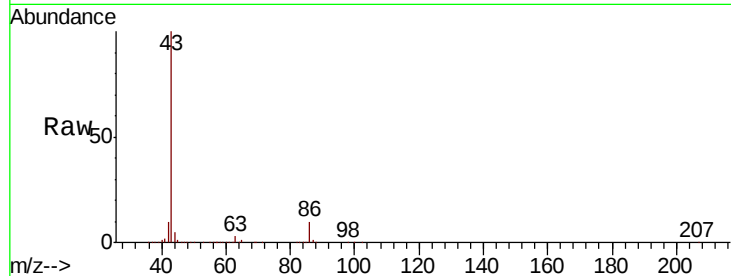
ClientSampled :

Tot Ion: 43 Resp: 1763893

Ion Ratio Lower Upper

43 100

86 10.2 8.9 13.3



#24

1,1-Dichloroethane

Concen: 52.873 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

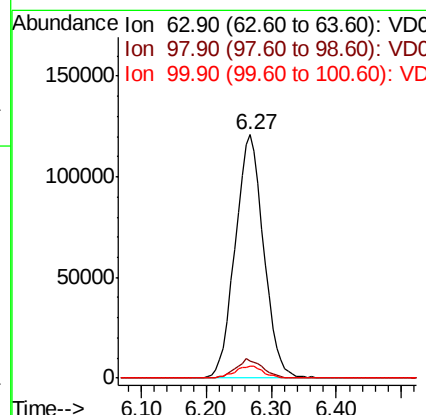
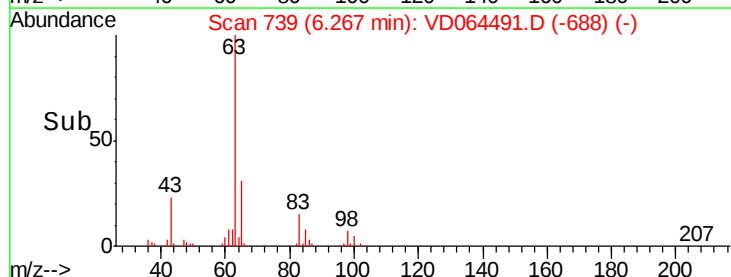
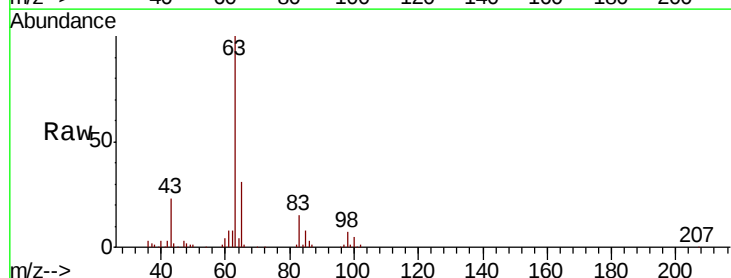
Tgt Ion: 63 Resp: 365741

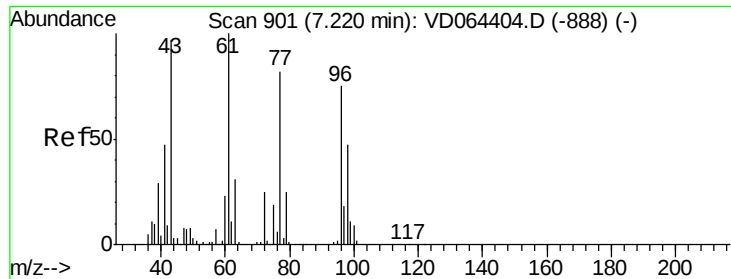
Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.9

100 4.7 2.9 8.6





#25

2-Butanone

Concen: 237.837 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

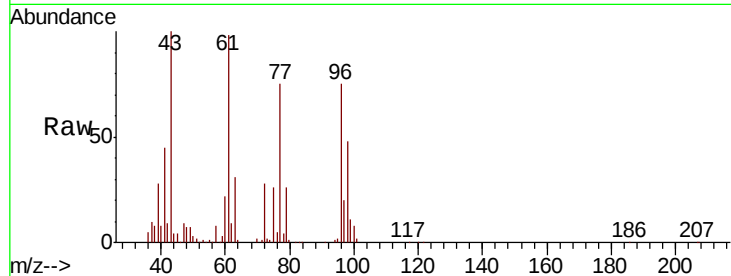
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 254830

Ion Ratio Lower Upper

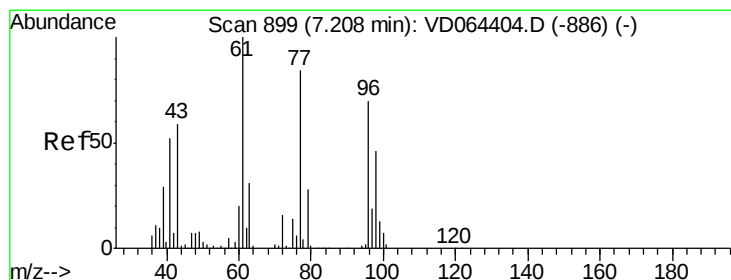
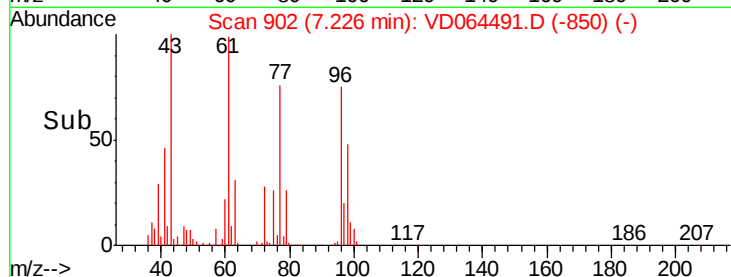
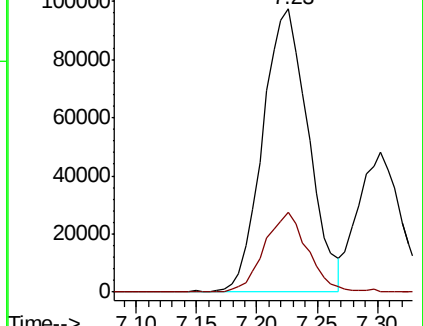
43 100

72 28.2 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.835 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064491.D

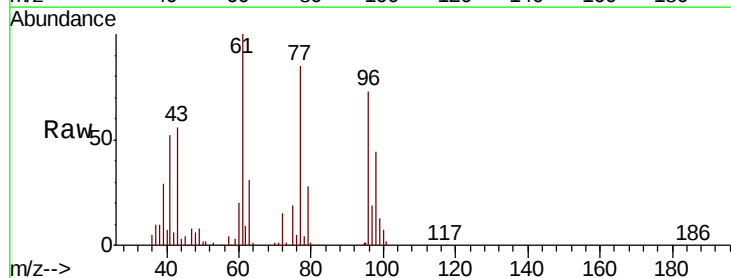
Acq: 10 Dec 2019 18:44

Tgt Ion: 77 Resp: 311821

Ion Ratio Lower Upper

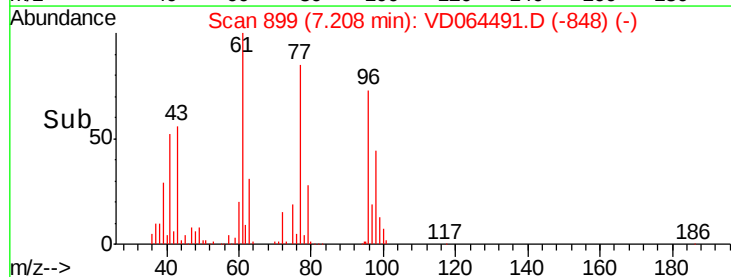
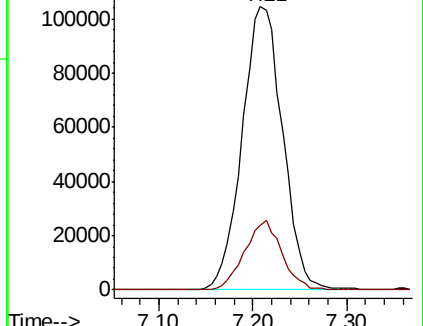
77 100

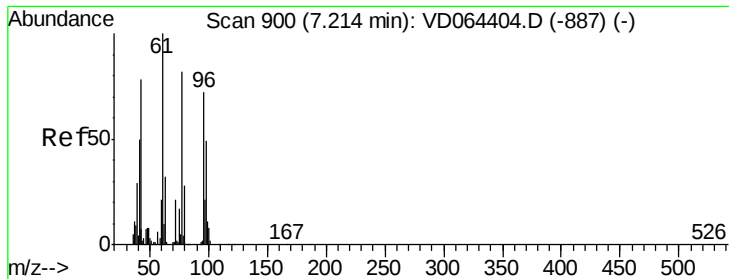
97 22.6 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



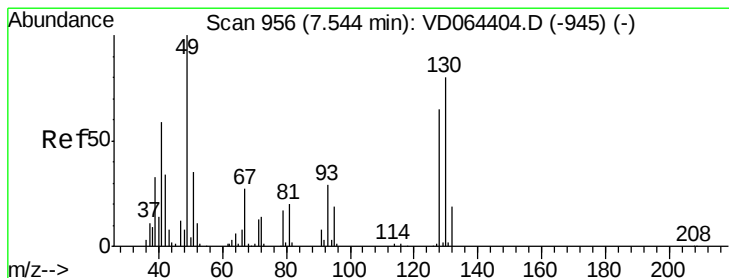
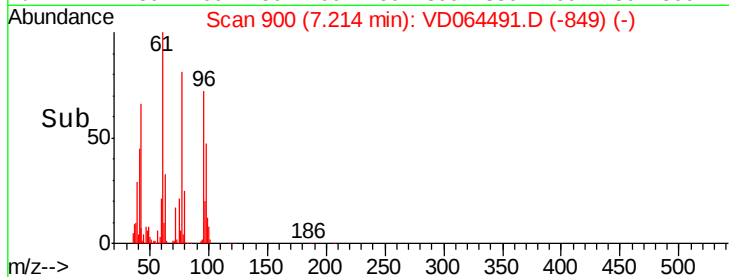
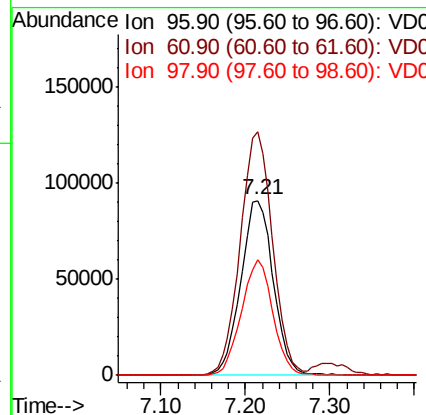
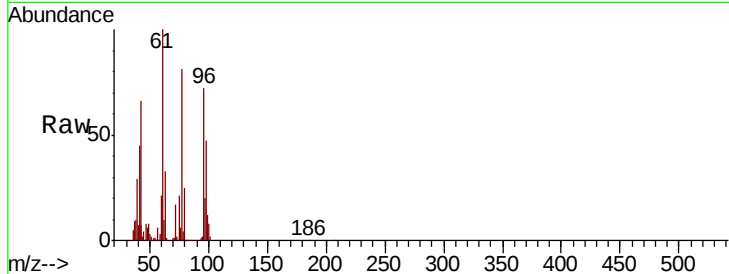


#27

cis-1,2-Dichloroethene
 Concen: 52.728 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Instrument :
 MSVOA_D
 ClientSampleId :

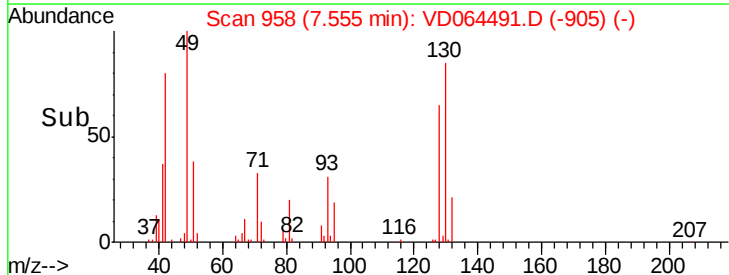
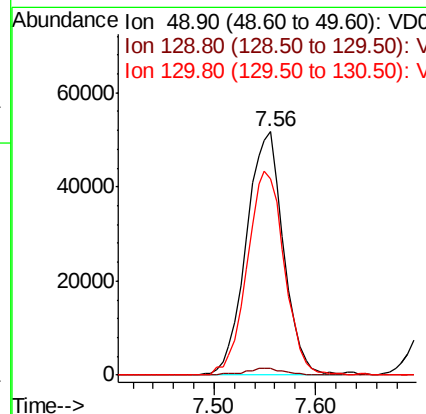
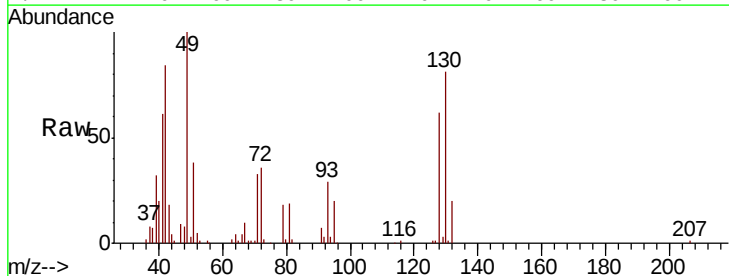
Tot Ion: 96 Resp: 242768
 Ion Ratio Lower Upper
 96 100
 61 138.4 0.0 279.6
 98 64.4 0.0 129.2

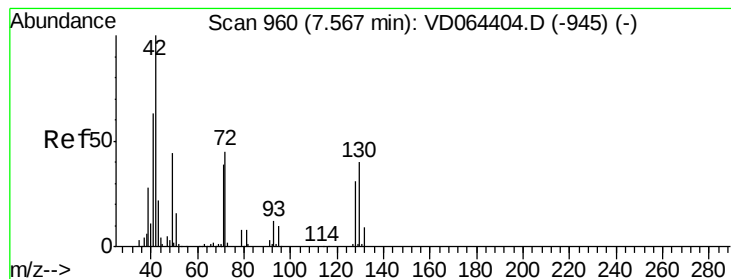


#28

Bromochloromethane
 Concen: 55.354 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion: 49 Resp: 130857
 Ion Ratio Lower Upper
 49 100
 129 3.0 0.0 4.4
 130 84.4 67.4 101.0





#29

Tetrahydrofuran

Concen: 247.626 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampled :

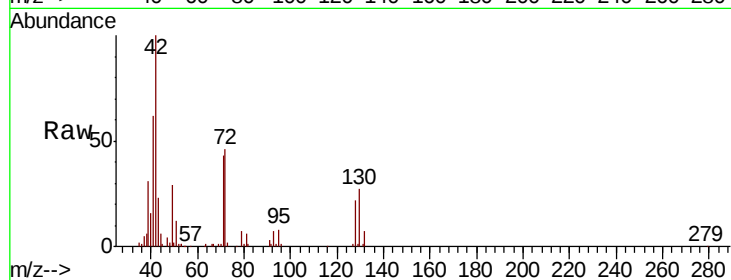
Tot Ion: 42 Resp: 168802

Ion Ratio Lower Upper

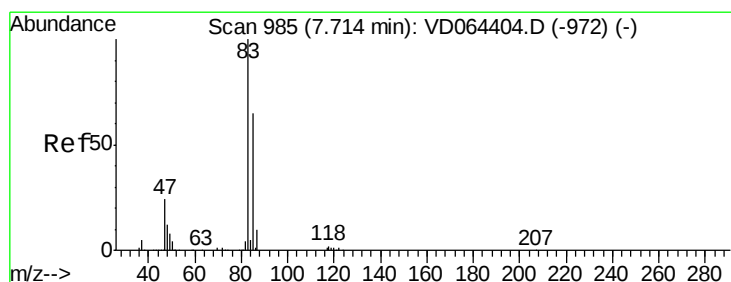
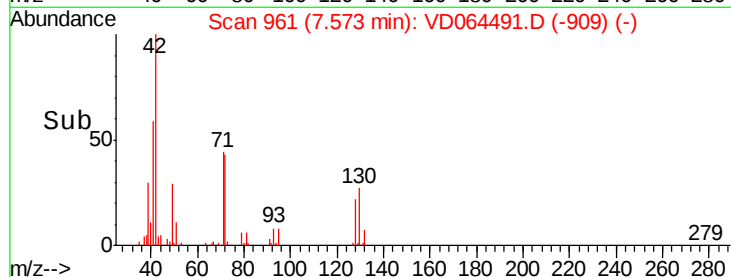
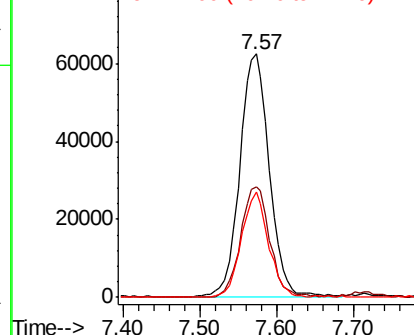
42 100

72 44.7 35.8 53.8

71 39.4 32.7 49.1



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: 53.166 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064491.D

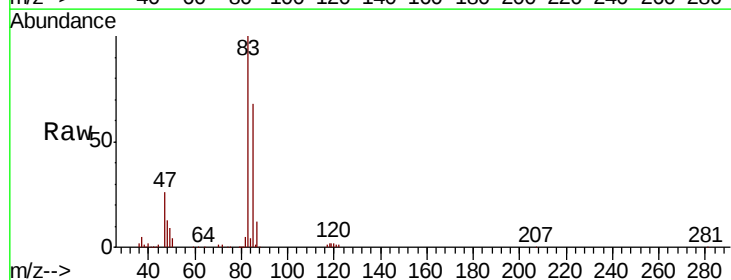
Acq: 10 Dec 2019 18:44

Tgt Ion: 83 Resp: 380877

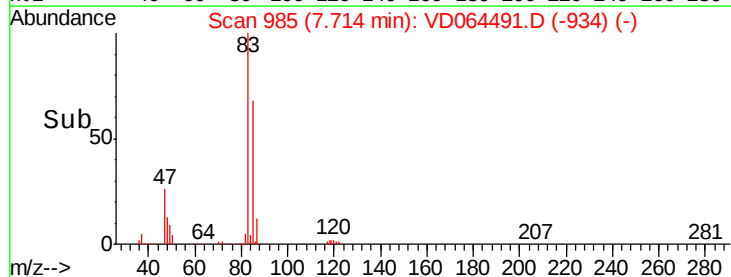
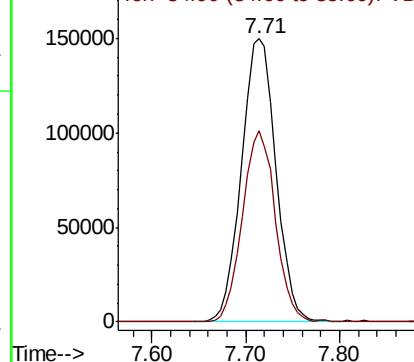
Ion Ratio Lower Upper

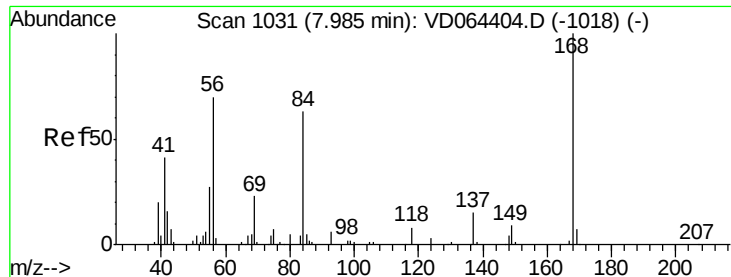
83 100

85 67.7 51.8 77.6



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

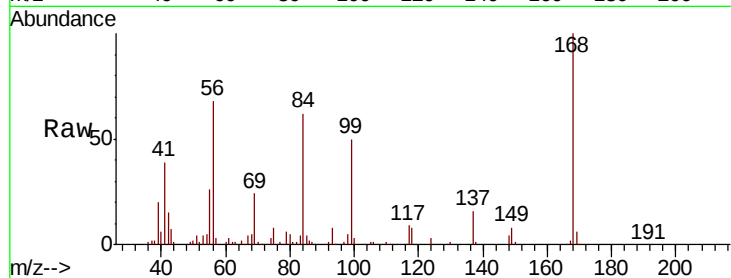




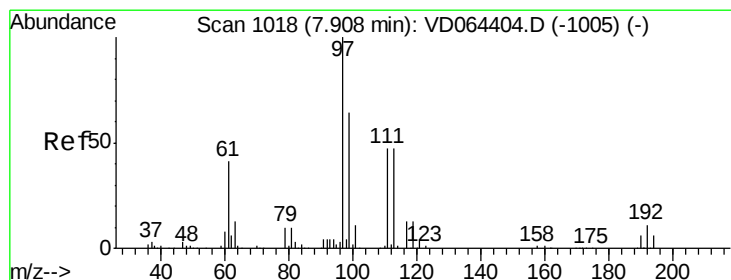
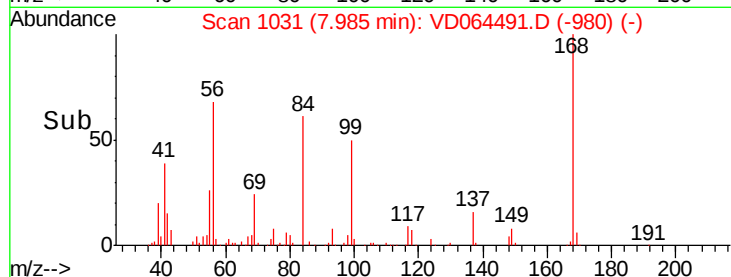
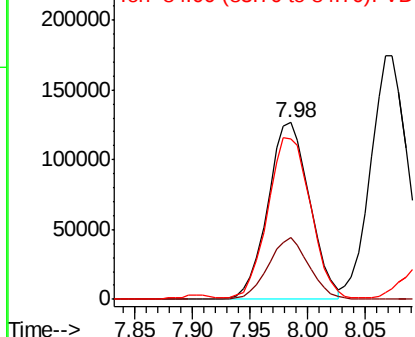
#31
Cyclohexane
Concen: 53.296 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 320039
Ion Ratio Lower Upper
56 100
69 35.1 26.2 39.4
84 88.9 70.3 105.5

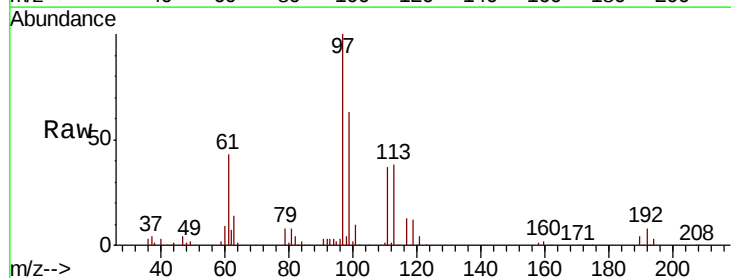


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

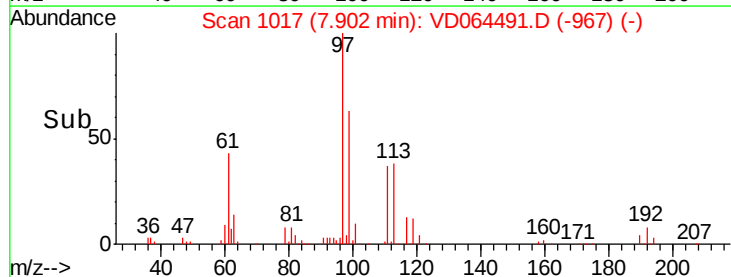
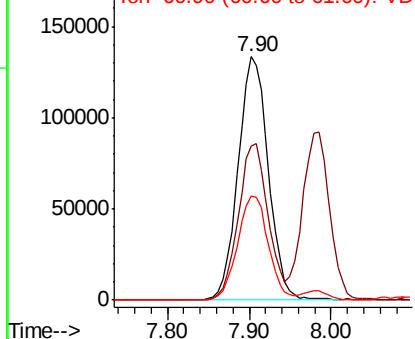


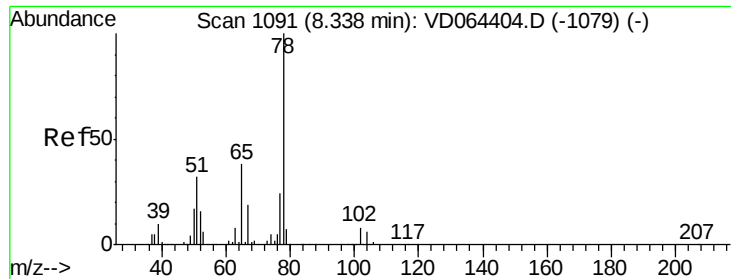
#32
1,1,1-Trichloroethane
Concen: 51.720 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion: 97 Resp: 343514
Ion Ratio Lower Upper
97 100
99 63.2 51.4 77.2
61 43.7 35.0 52.4



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

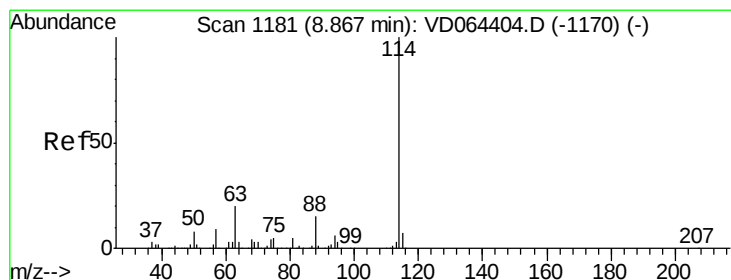
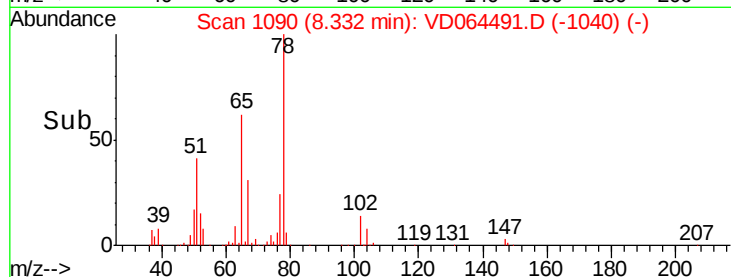
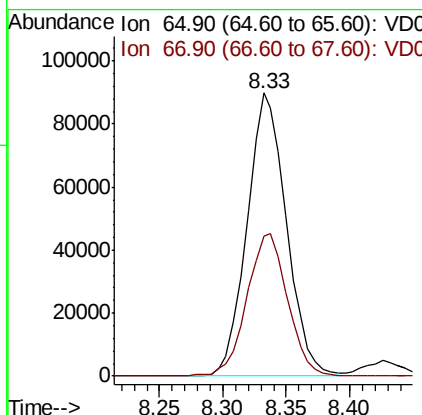
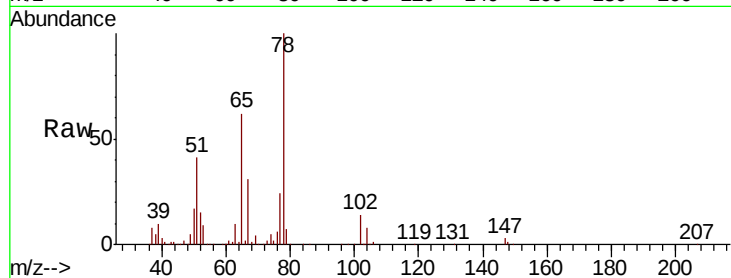




#33
 1,2-Dichloroethane-d4
 Concen: 51.719 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

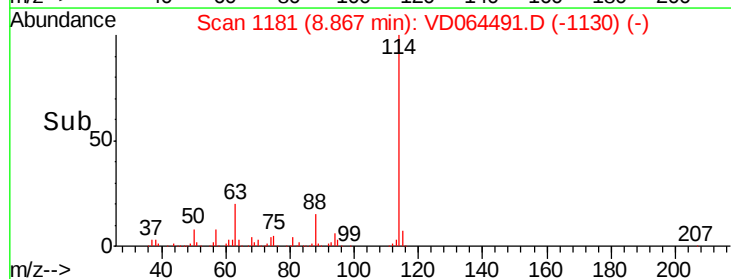
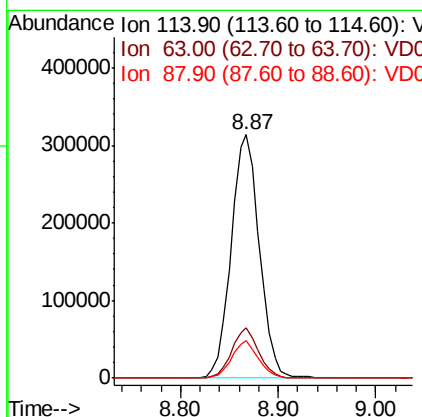
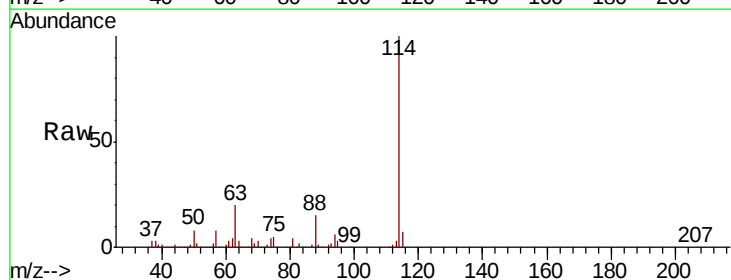
Instrument :
 MSVOA_D
 ClientSampled :

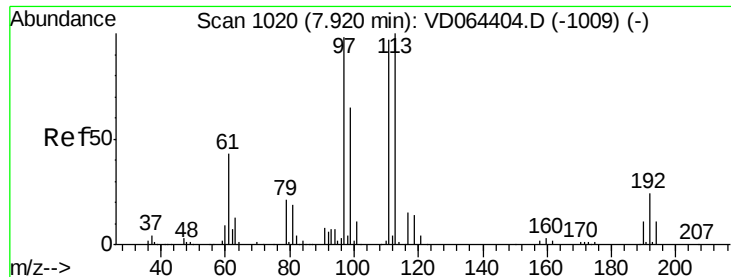
Tot Ion: 65 Resp: 193904
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion: 114 Resp: 626964
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.0
 88 15.4 0.0 29.2

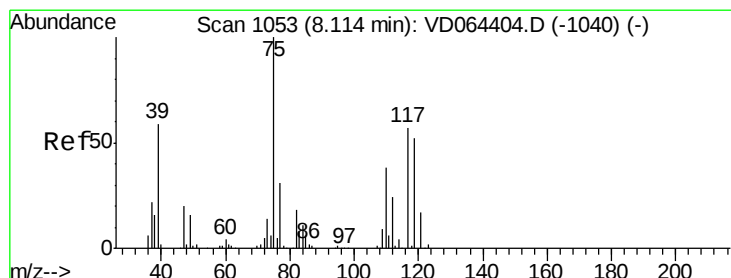
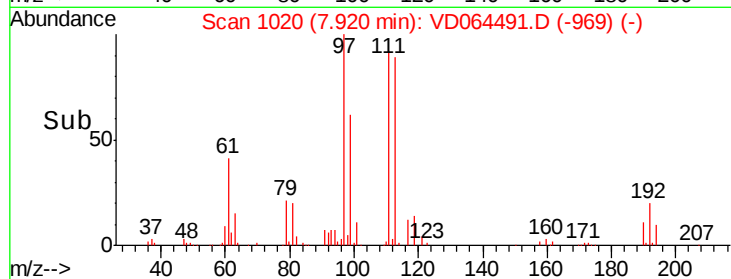
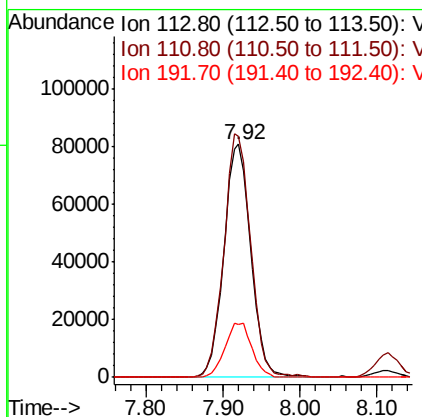
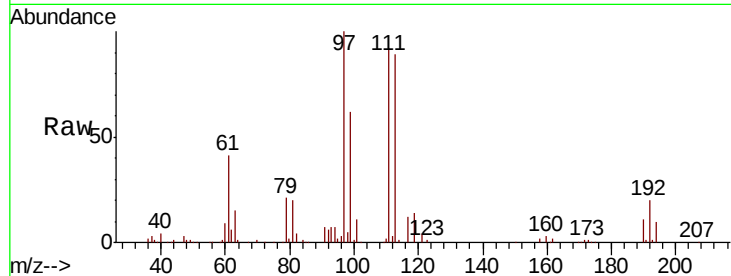




#35
 Dibromofluoromethane
 Concen: 50.033 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

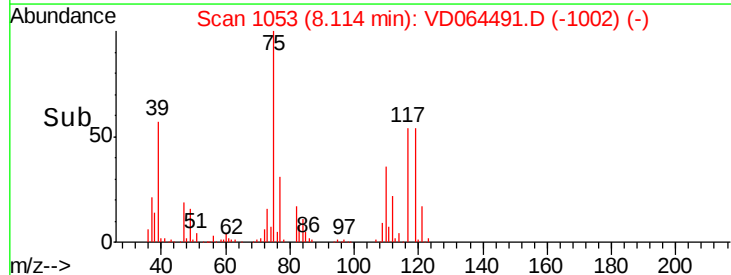
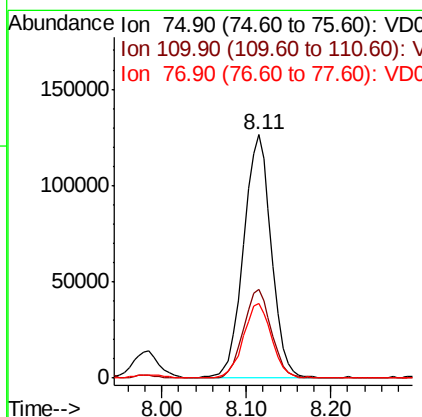
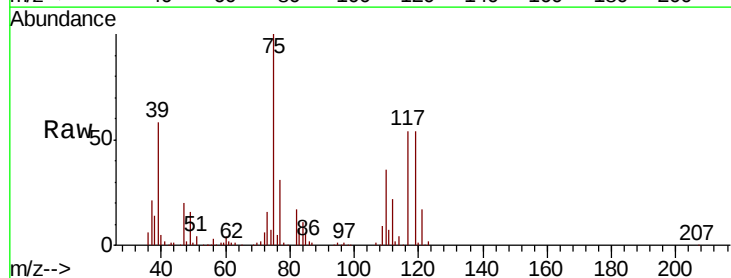
Instrument :
 MSVOA_D
 ClientSampleId :

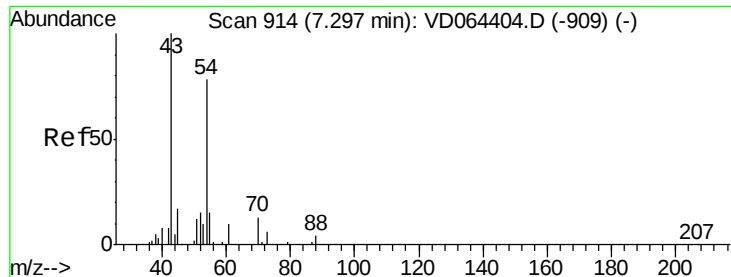
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	79.4	119.2
192	23.2	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 48.495 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.6	55.8
77	31.3	25.0	37.4

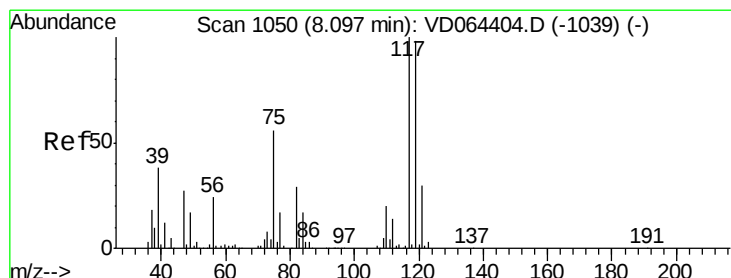
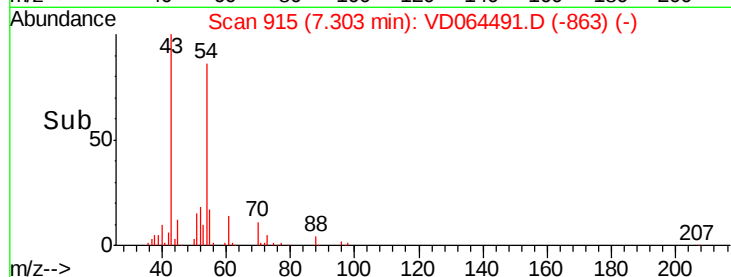
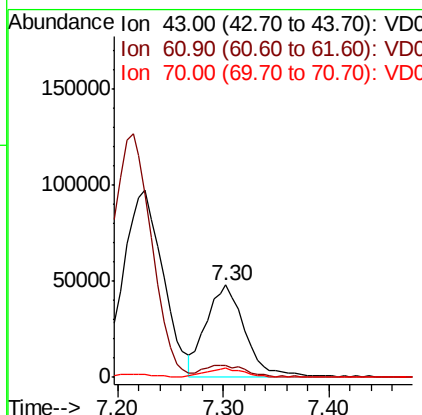
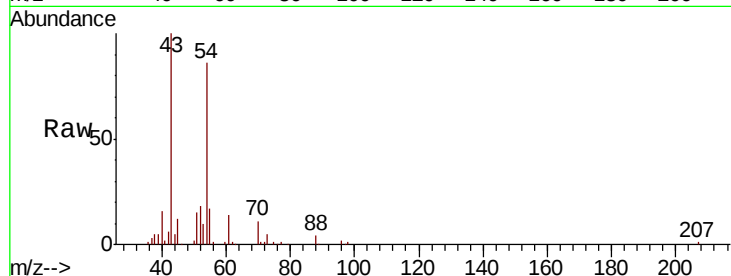




#37
Ethyl Acetate
Concen: 47.636 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

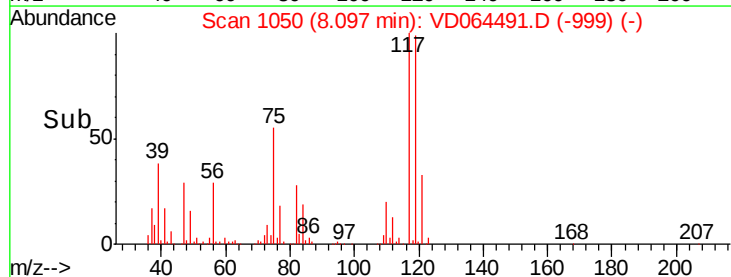
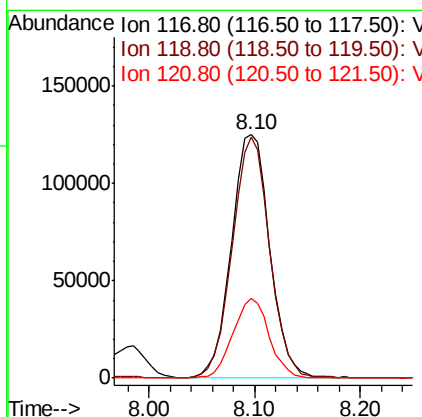
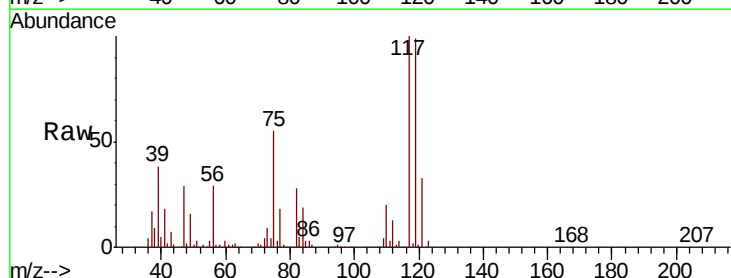
Instrument :
MSVOA_D
ClientSampleId :

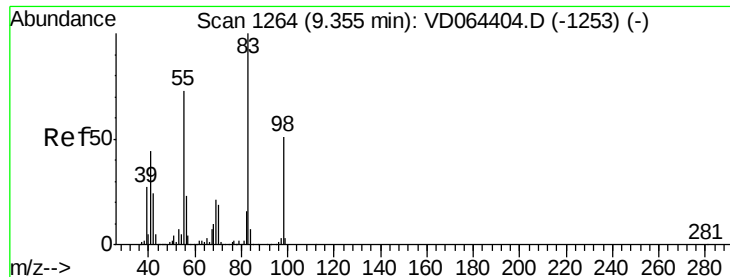
Tot Ion: 43 Resp: 119867
Ion Ratio Lower Upper
43 100
61 13.7 10.9 16.3
70 10.1 8.3 12.5



#38
Carbon Tetrachloride
Concen: 49.949 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion: 117 Resp: 312622
Ion Ratio Lower Upper
117 100
119 99.5 78.8 118.2
121 32.9 24.2 36.2

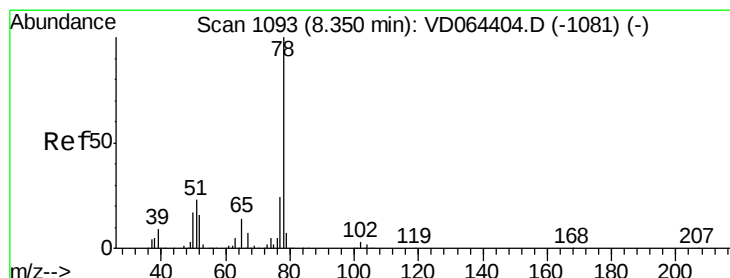
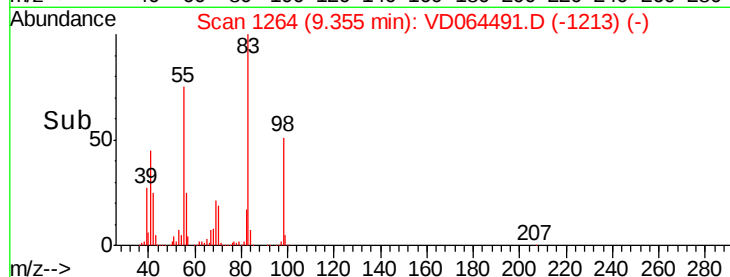
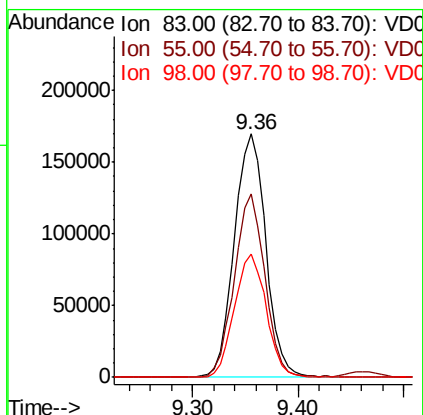
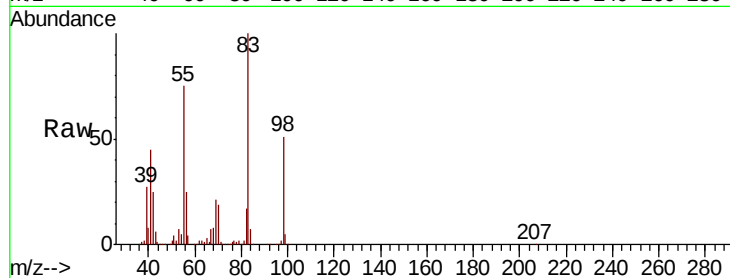




#39
Methvlcvclohexane
Concen: 47.753 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

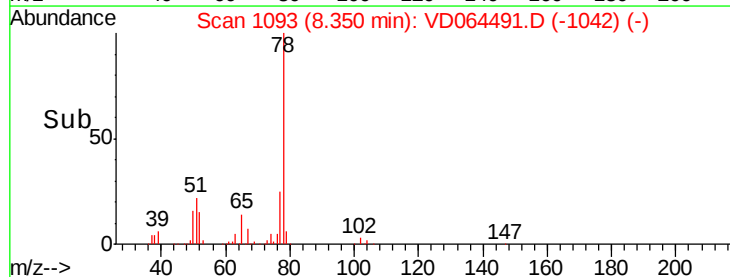
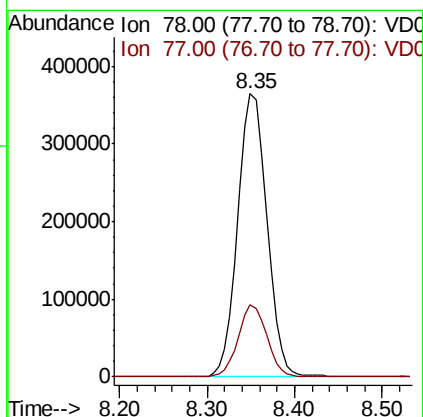
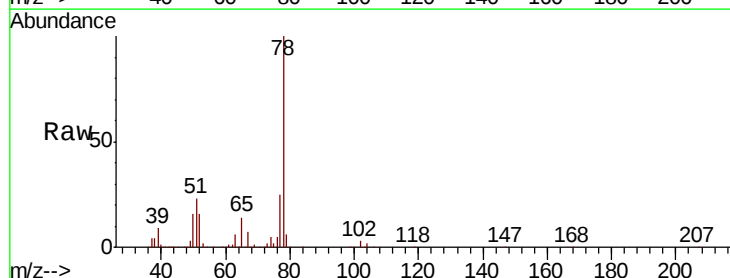
Instrument :
MSVOA_D
ClientSampleId :

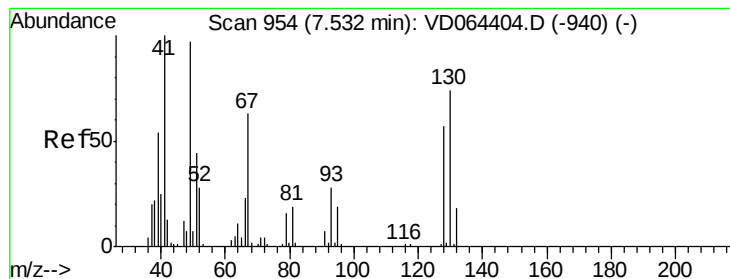
Tot Ion: 83 Resp: 351276
Ion Ratio Lower Upper
83 100
55 75.4 58.6 87.8
98 50.6 40.9 61.3



#40
Benzene
Concen: 50.054 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion: 78 Resp: 824432
Ion Ratio Lower Upper
78 100
77 25.5 19.6 29.4





#41

Methacrylonitrile

Concen: 119.061 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.04 min

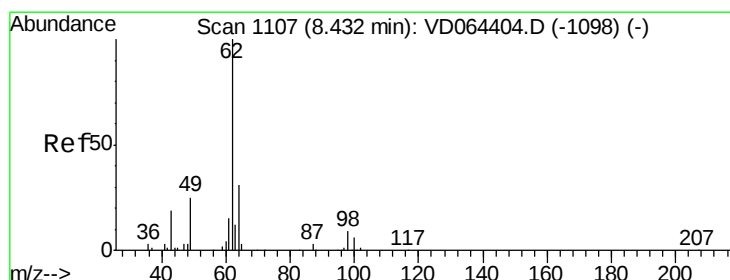
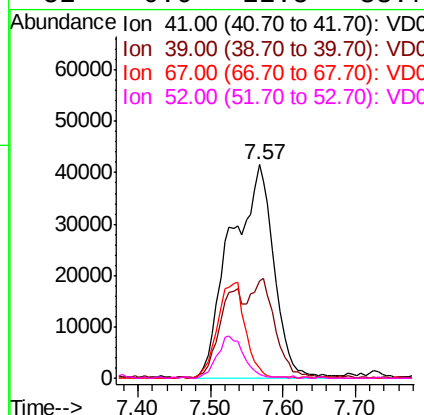
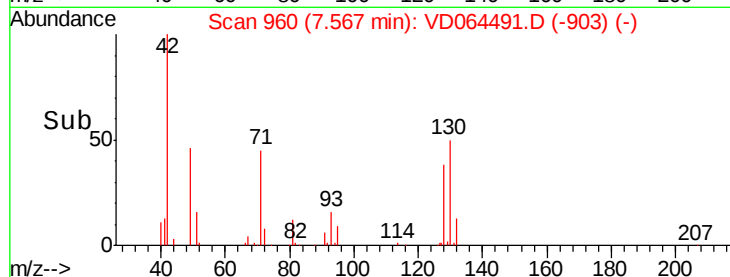
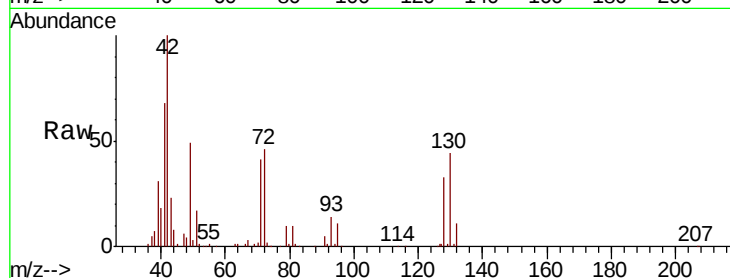
Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 171812

Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	67.0#
67	0.0	50.9	76.3#
52	0.0	22.5	33.7#



#42

1,2-Dichloroethane

Concen: 49.804 ug/l

RT: 8.43 min Scan# 1106

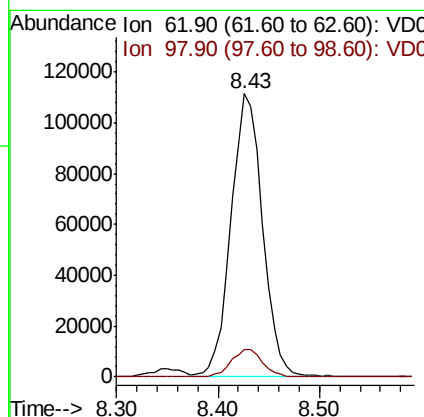
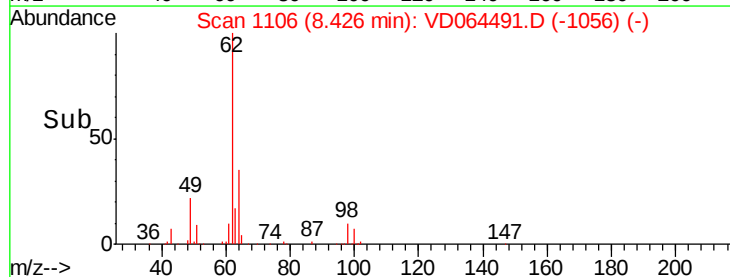
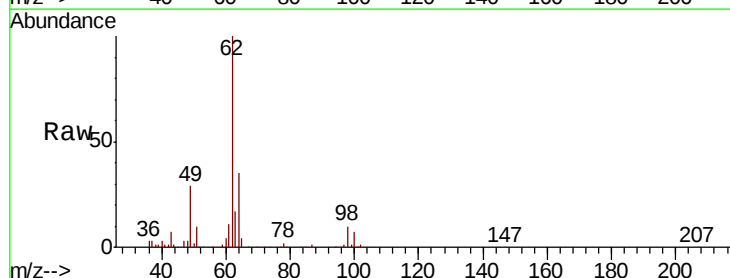
Delta R.T. -0.01 min

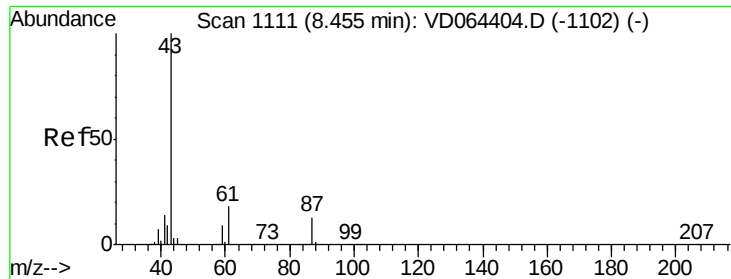
Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Tgt Ion: 62 Resp: 239224

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6



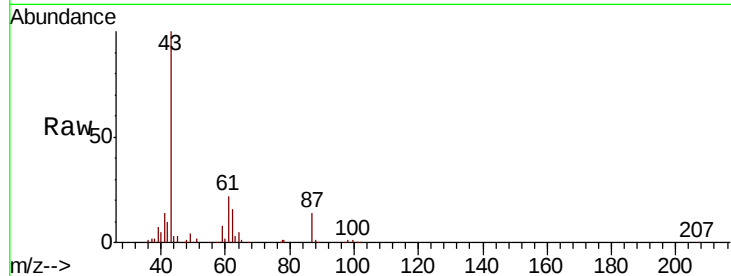


#43

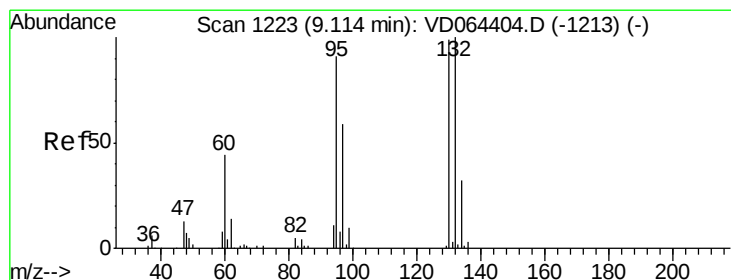
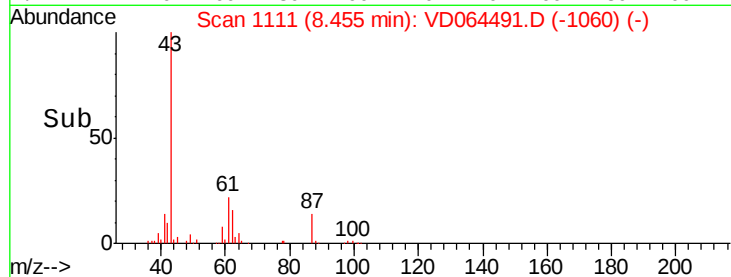
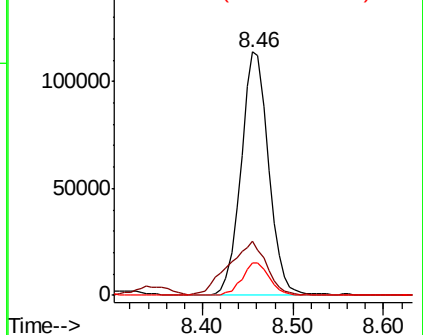
Isopropyl Acetate
 Concen: 48.703 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	43	Resp	240960
Ion Ratio	Lower	Upper	
43	100		
61	30.5	24.0	36.0
87	13.2	10.6	15.8



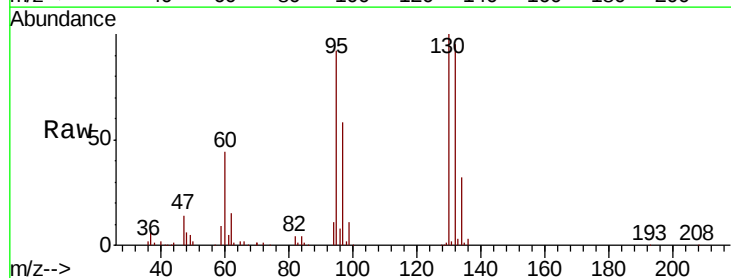
Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 61.00 (60.70 to 61.70): VDC
 Ion 87.00 (86.70 to 87.70): VDC



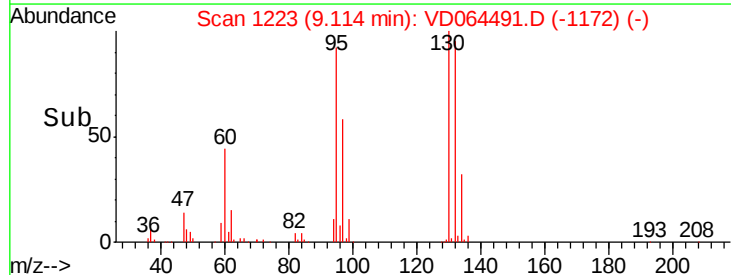
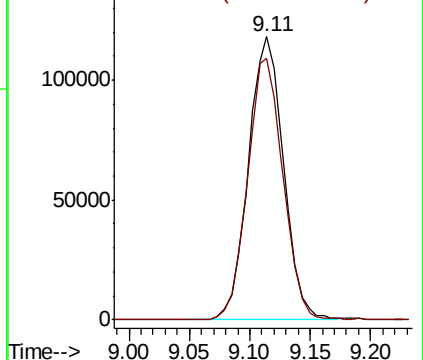
#44

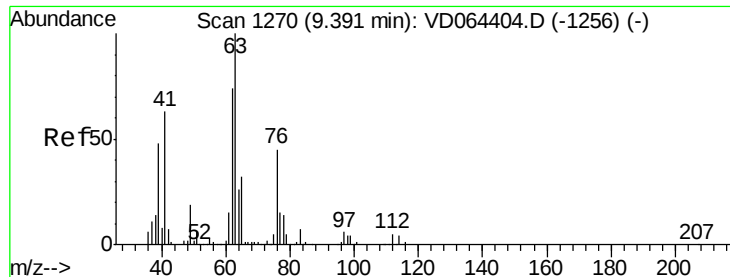
Trichloroethene
 Concen: 48.306 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion	130	Resp	239665
Ion Ratio	Lower	Upper	
130	100		
95	92.3	0.0	184.6



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

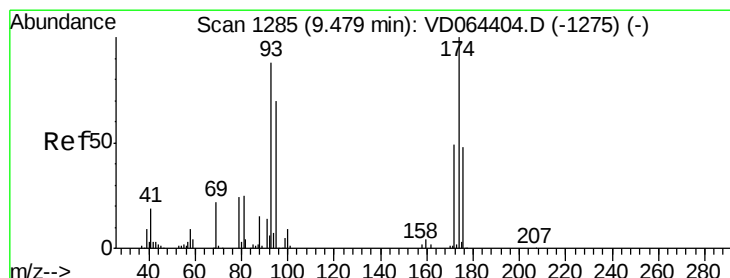
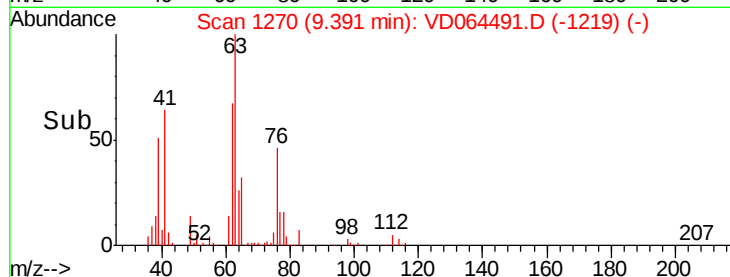
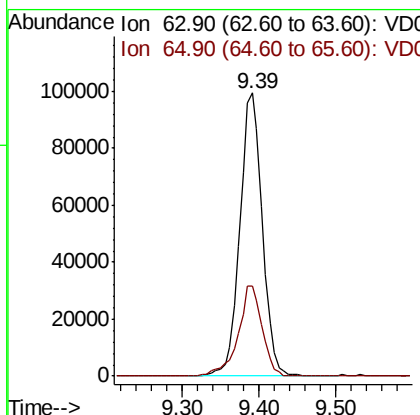
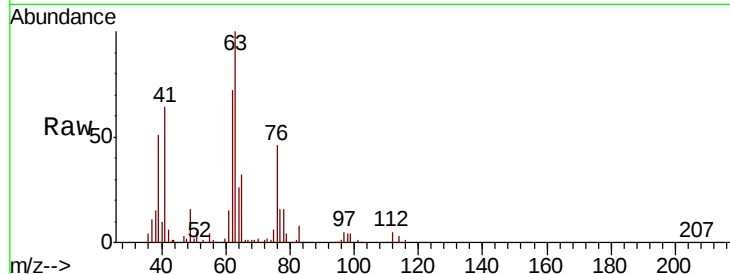




#45
 1,2-Dichloropropane
 Concen: 51.642 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

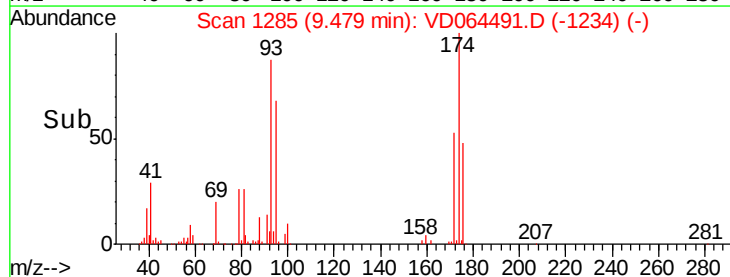
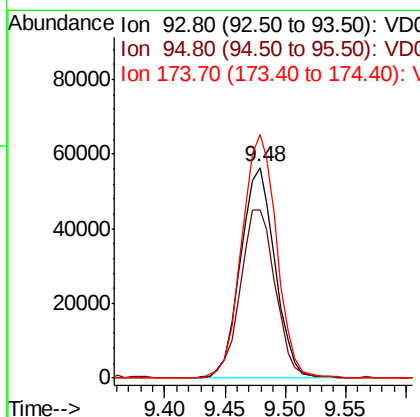
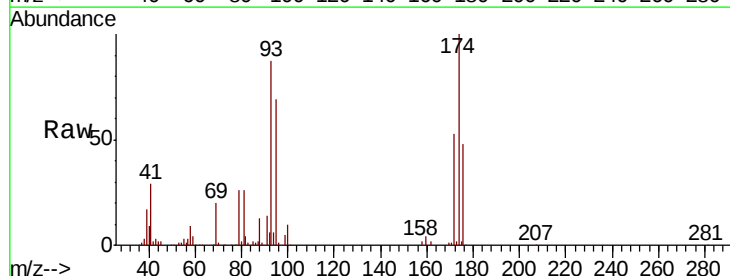
Instrument :
 MSVOA_D
 ClientSampled :

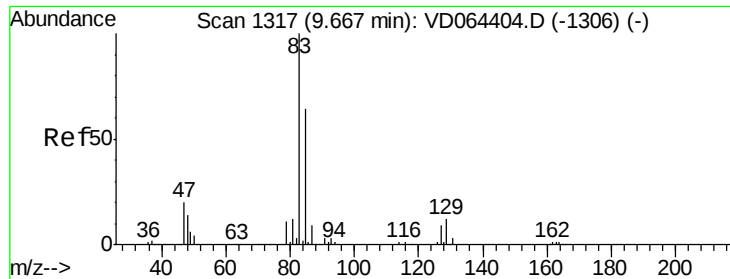
Tot Ion: 63 Resp: 203422
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.4 38.0



#46
 Dibromomethane
 Concen: 50.561 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion: 93 Resp: 112407
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.7 100.1
 174 117.3 92.3 138.5

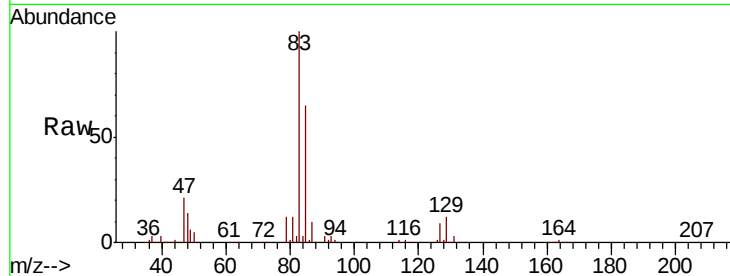




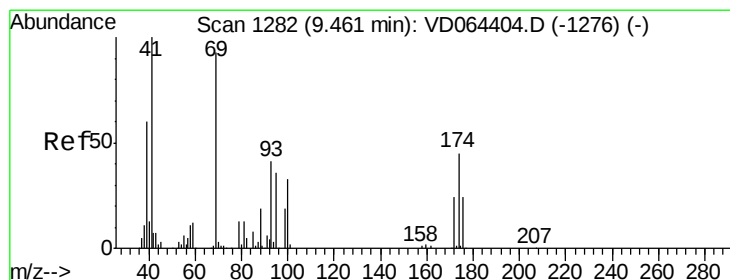
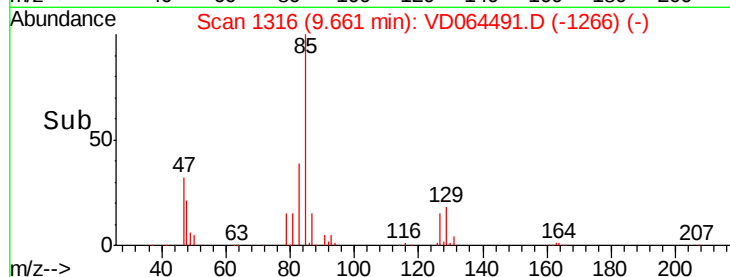
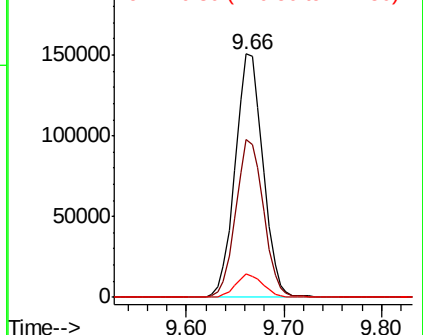
#47
Bromodichloromethane
Concen: 52.205 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 298219
Ion Ratio Lower Upper
83 100
85 64.6 51.1 76.7
127 9.5 7.4 11.0

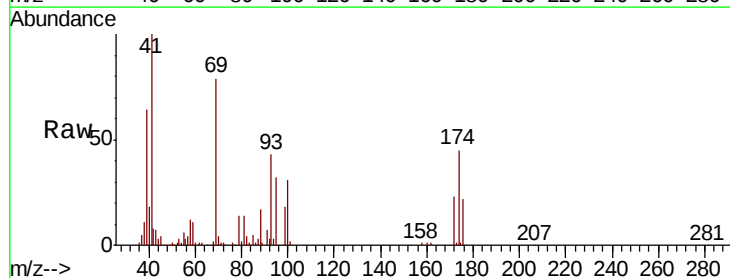


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

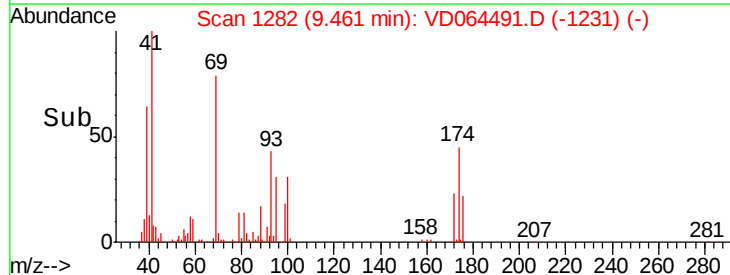
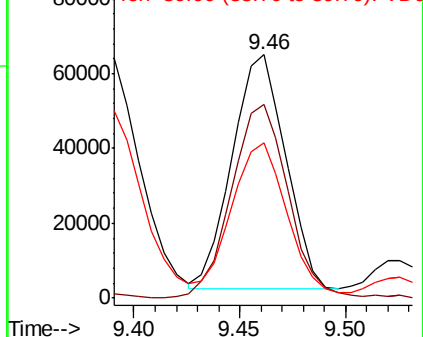


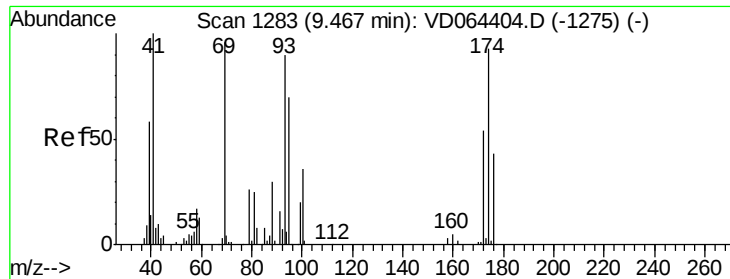
#48
Methyl methacrylate
Concen: 48.603 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion: 41 Resp: 110036
Ion Ratio Lower Upper
41 100
69 86.4 72.0 108.0
39 65.1 55.2 82.8



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

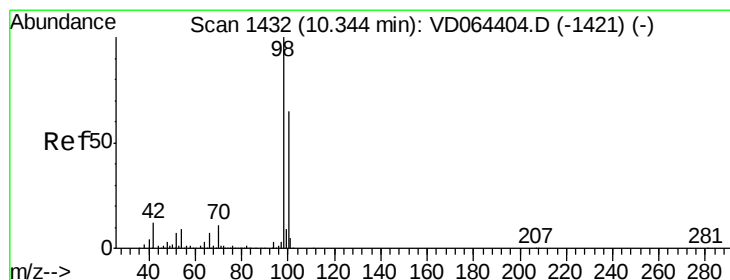
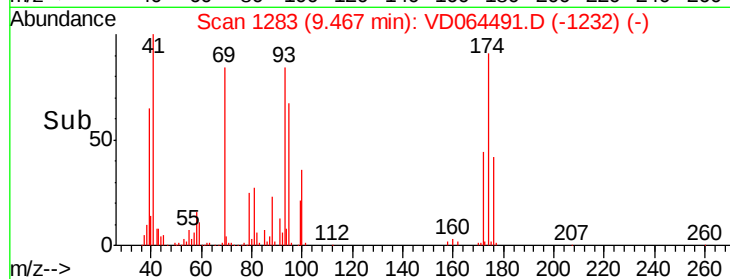
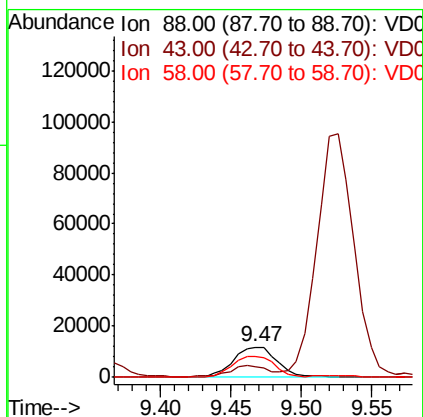
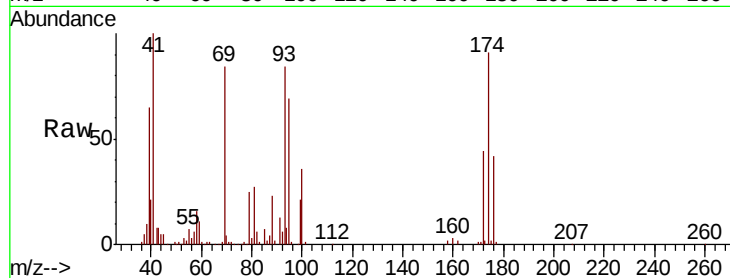




#49
1,4-Dioxane
Concen: 939.041 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

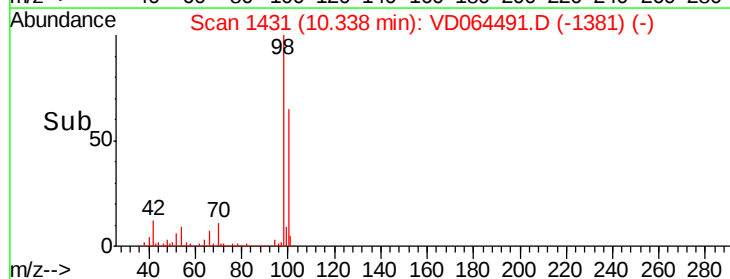
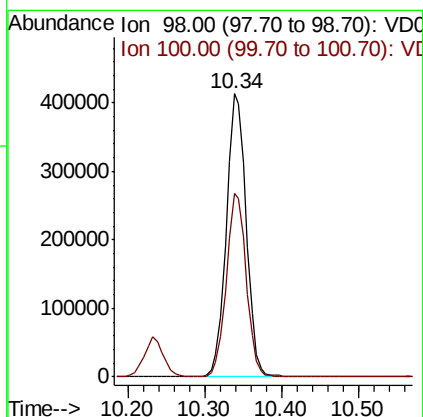
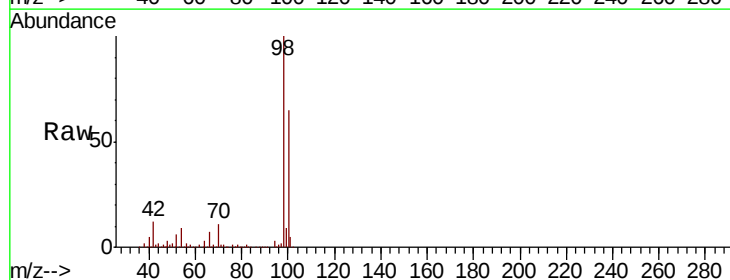
Instrument :
MSVOA_D
ClientSampleId :

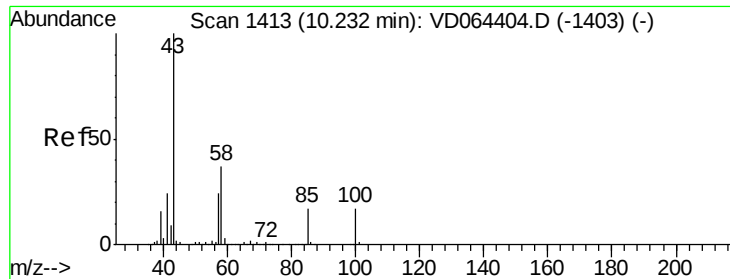
Tot Ion: 88 Resp: 25780
Ion Ratio Lower Upper
88 100
43 37.3 26.7 40.1
58 69.3 52.3 78.5



#50
Toluene-d8
Concen: 50.061 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion: 98 Resp: 744909
Ion Ratio Lower Upper
98 100
100 65.0 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 241.160 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

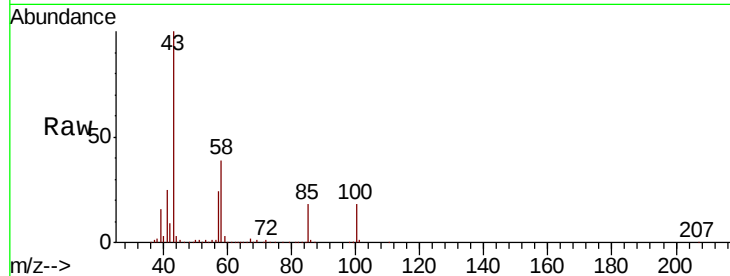
ClientSampleId :

Tot Ion: 43 Resp: 590360

Ion Ratio Lower Upper

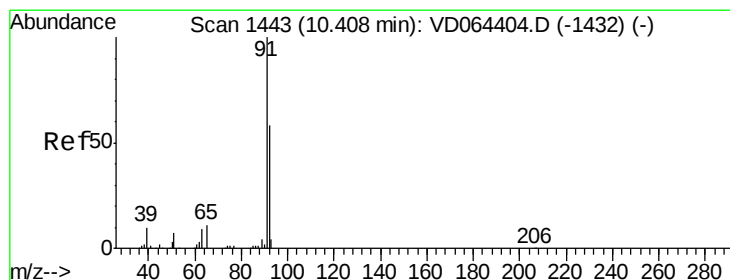
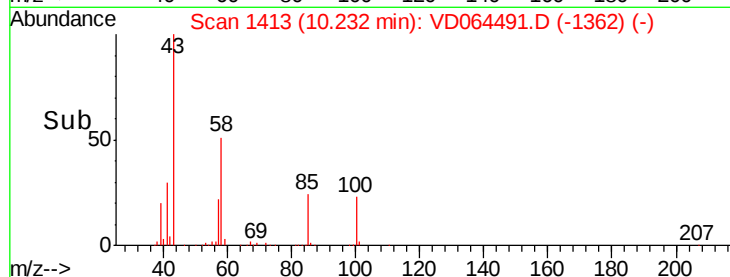
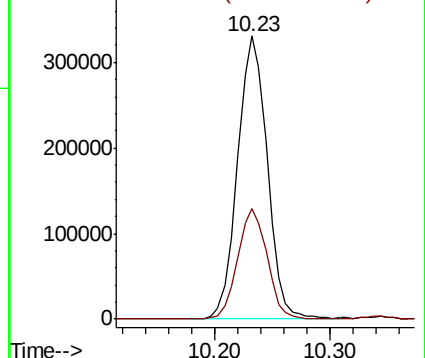
43 100

58 38.9 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 49.671 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064491.D

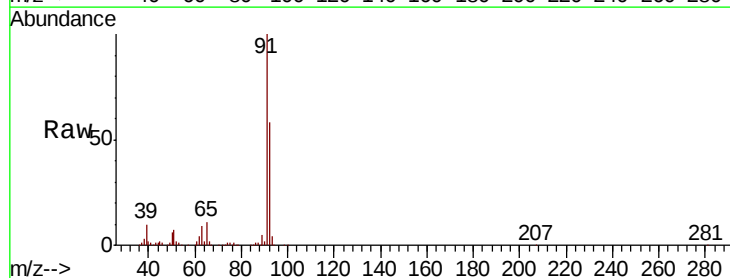
Acq: 10 Dec 2019 18:44

Tgt Ion: 92 Resp: 533170

Ion Ratio Lower Upper

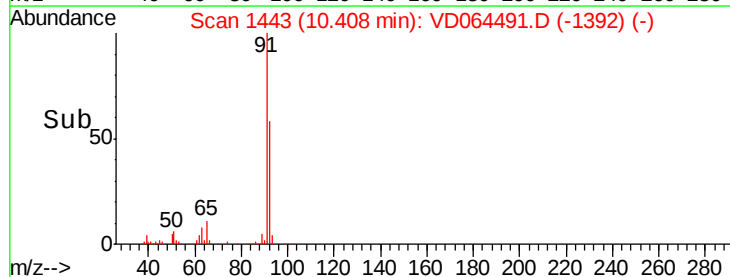
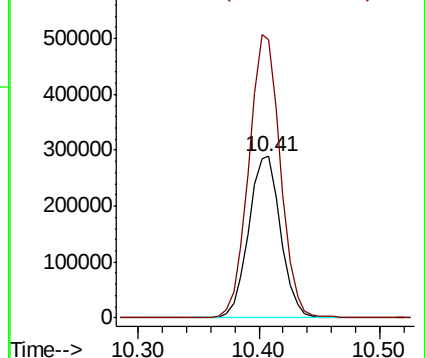
92 100

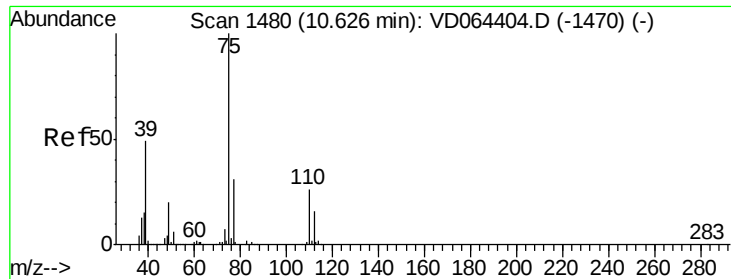
91 173.5 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 50.667 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

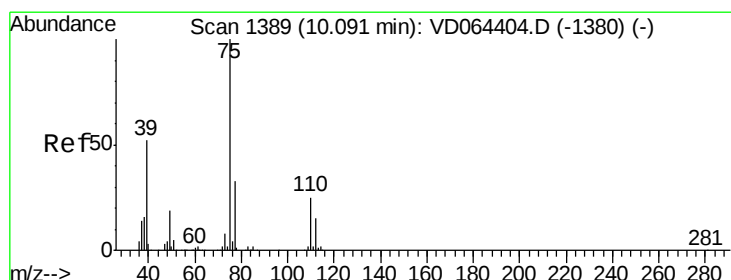
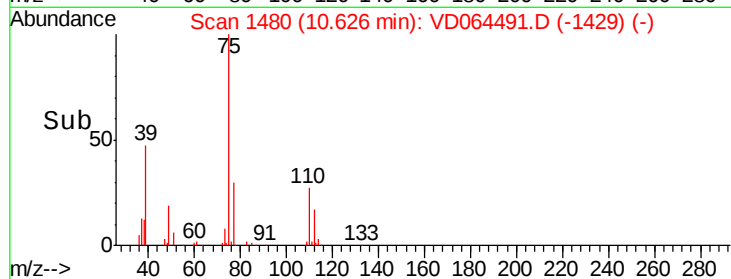
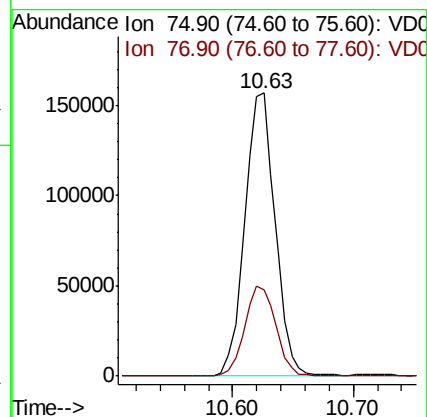
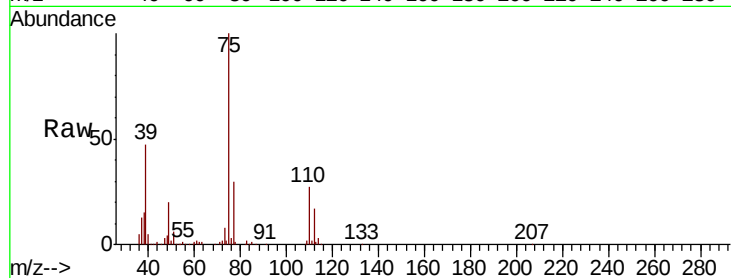
ClientSampleId :

Tot Ion: 75 Resp: 275841

Ion Ratio Lower Upper

75 100

77 30.4 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 51.628 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

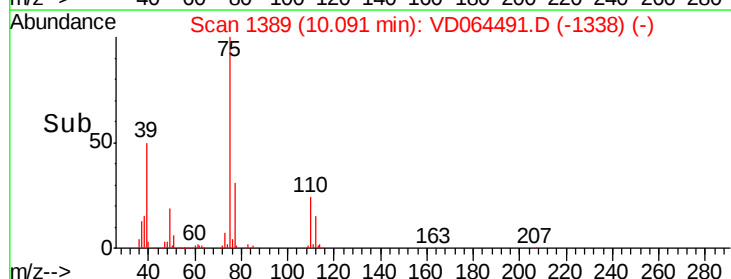
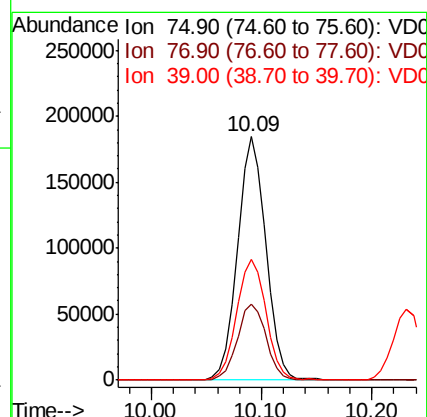
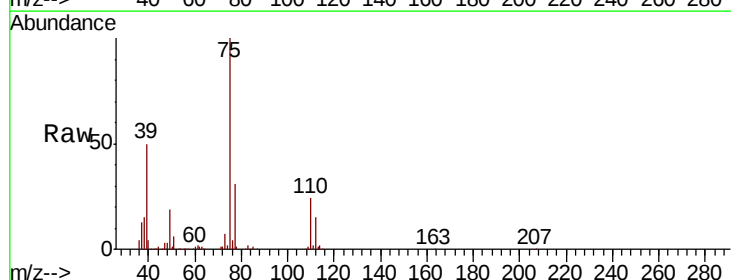
Tgt Ion: 75 Resp: 333908

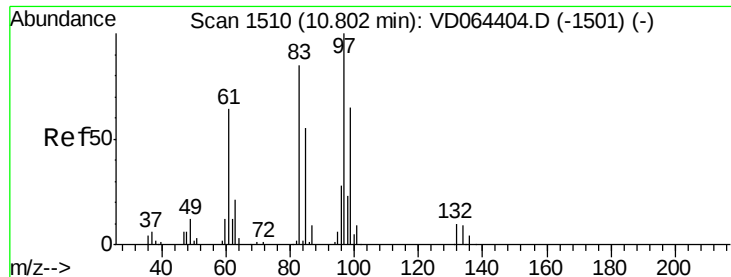
Ion Ratio Lower Upper

75 100

77 31.4 26.1 39.1

39 49.7 41.5 62.3

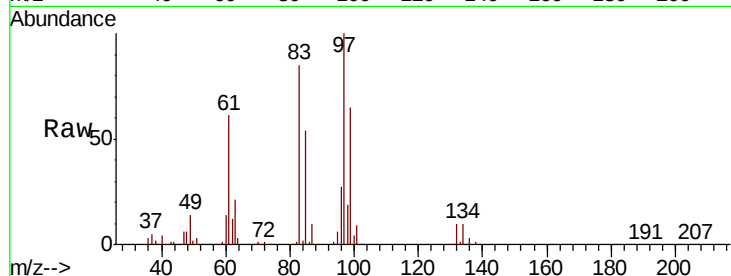




#55
 1,1,2-Trichloroethane
 Concen: 50.345 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	97	Resp	153261
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.8	101.8
85	53.5	43.7	65.5
99	64.7	51.7	77.5



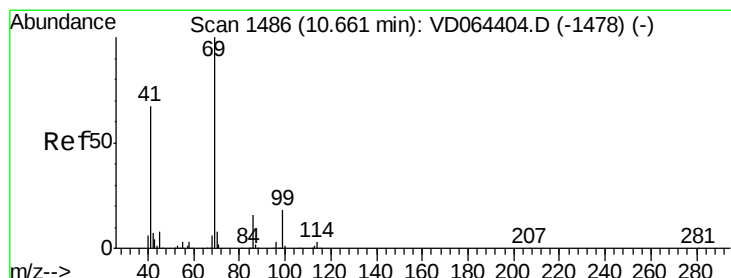
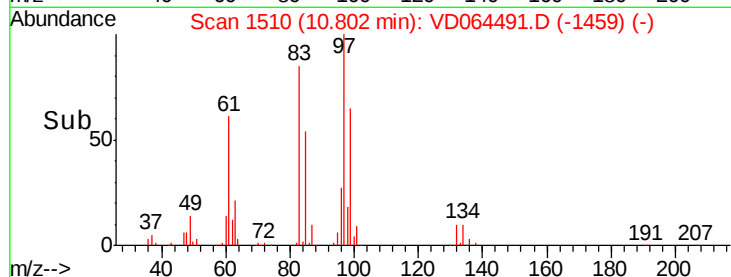
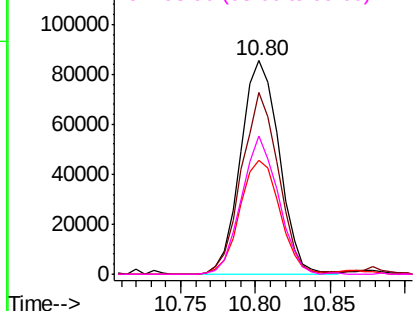
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

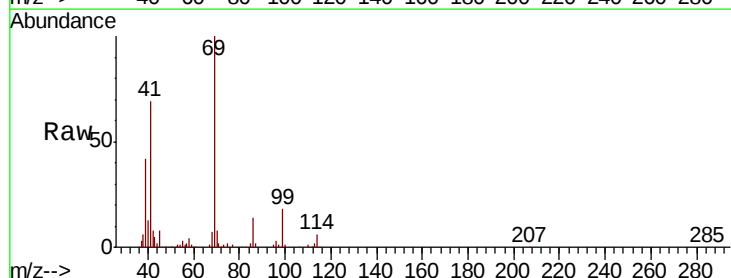
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 49.543 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion	69	Resp	192363
Ion	Ratio	Lower	Upper
69	100		
41	70.8	55.0	82.4
39	41.0	33.0	49.6

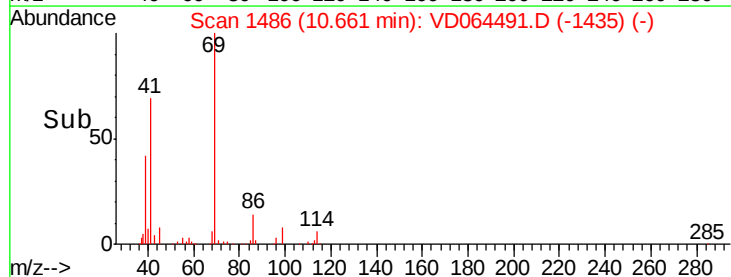
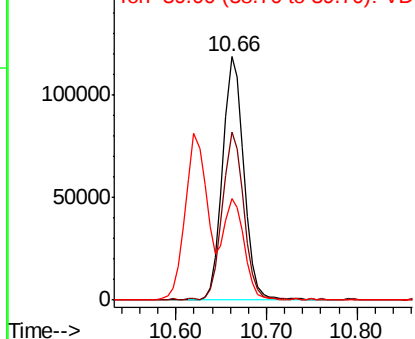


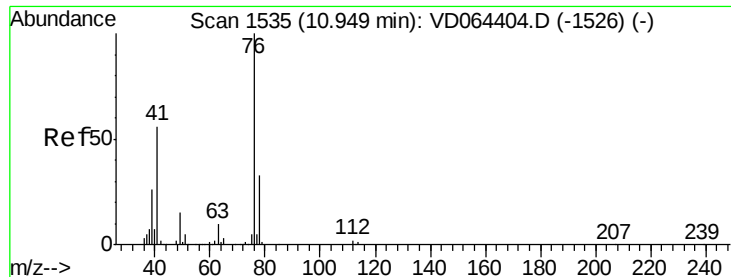
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 50.529 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

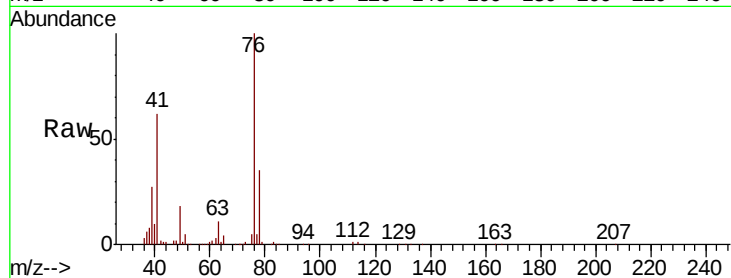
ClientSampleId :

Tot Ion: 76 Resp: 261844

Ion Ratio Lower Upper

76 100

78 32.8 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

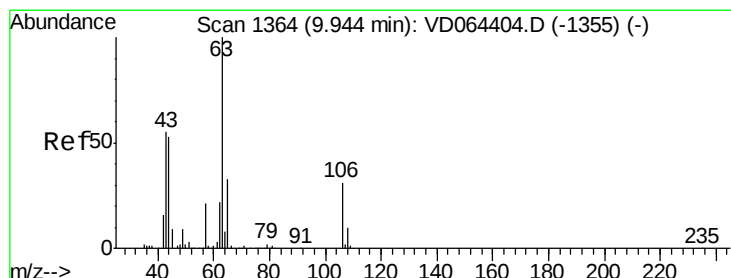
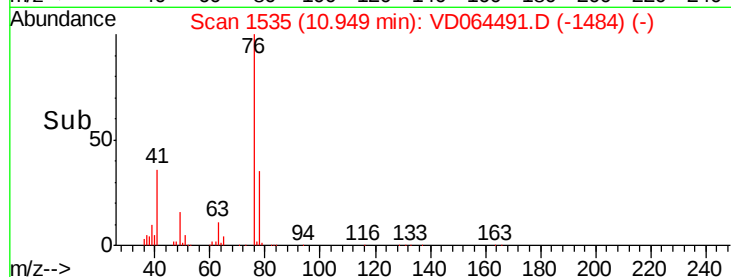
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 234.315 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064491.D

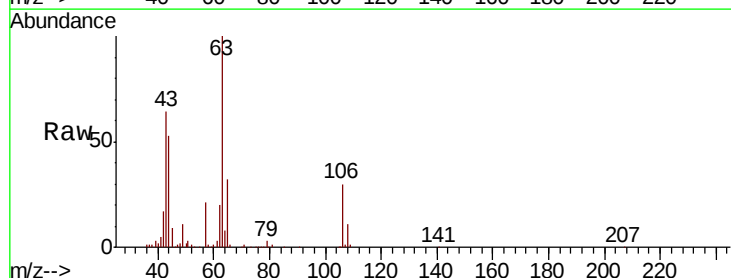
Acq: 10 Dec 2019 18:44

Tgt Ion: 63 Resp: 362674

Ion Ratio Lower Upper

63 100

106 29.7 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

200000

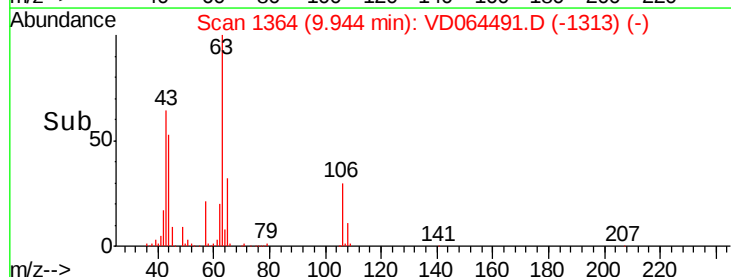
150000

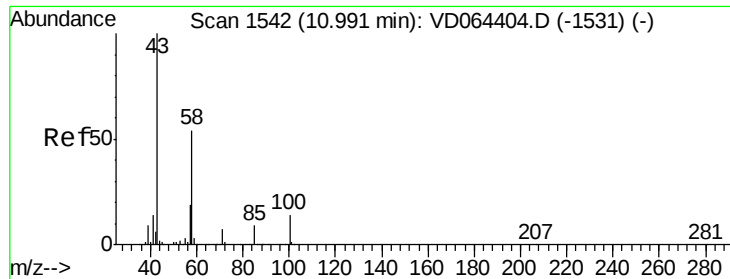
100000

50000

0

Time-->

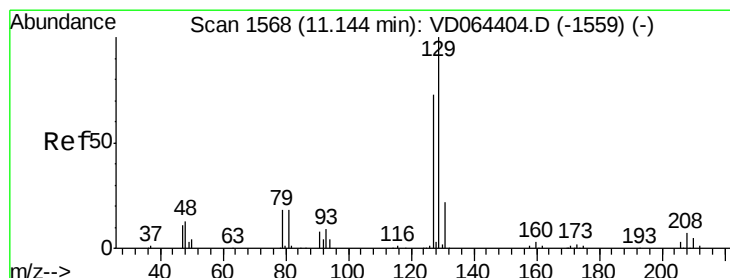
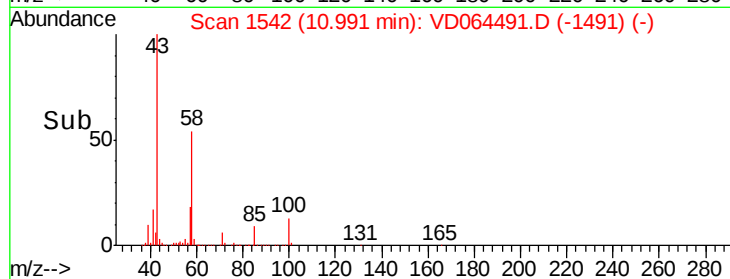
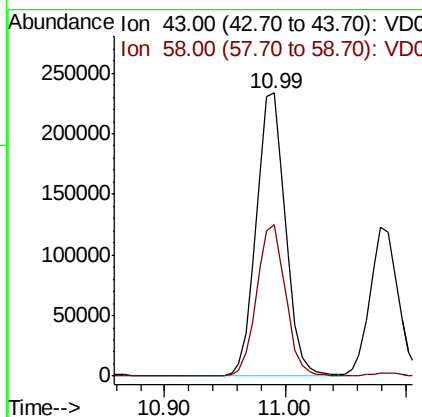
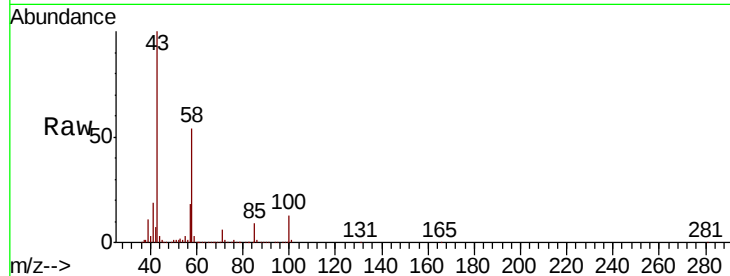




#59
2-Hexanone
Concen: 232.383 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

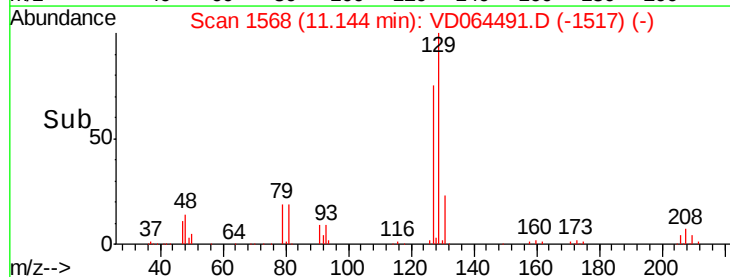
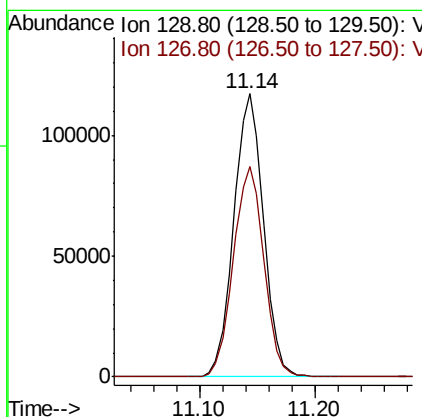
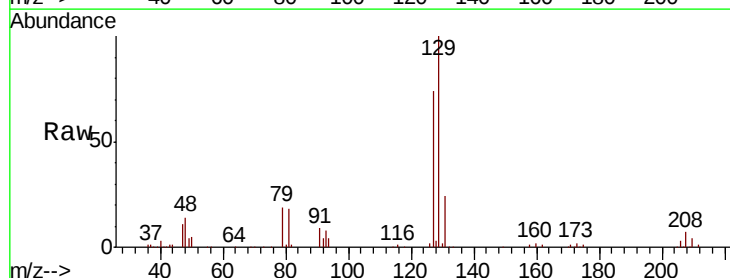
Instrument :
MSVOA_D
ClientSampleId :

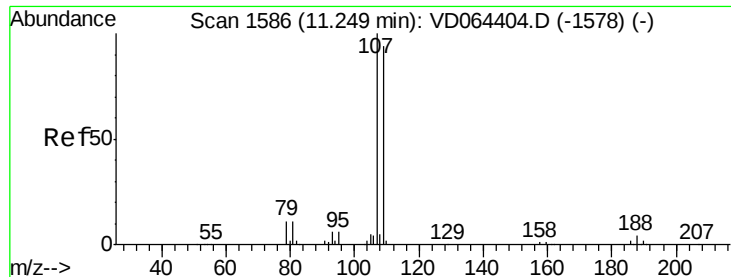
Tot Ion: 43 Resp: 394736
Ion Ratio Lower Upper
43 100
58 53.0 26.3 78.8



#60
Dibromochloromethane
Concen: 50.546 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion: 129 Resp: 208629
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.3

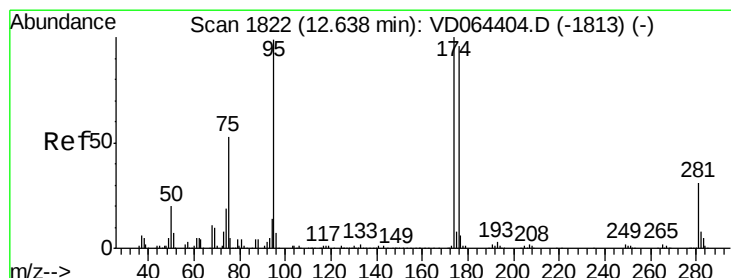
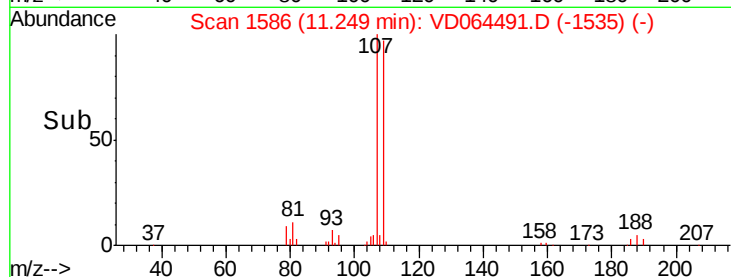
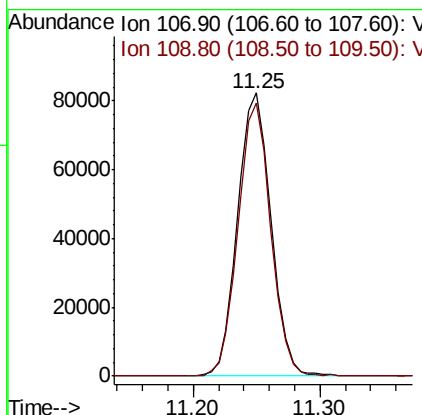
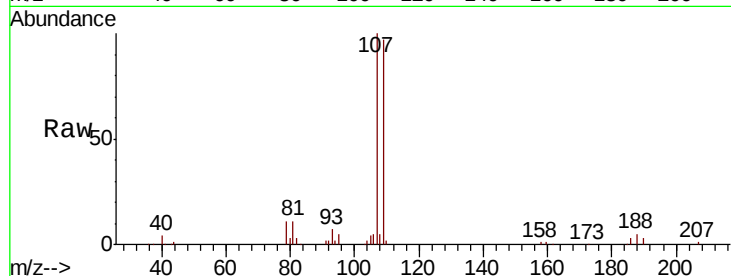




#61
 1,2-Dibromoethane
 Concen: 49.516 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

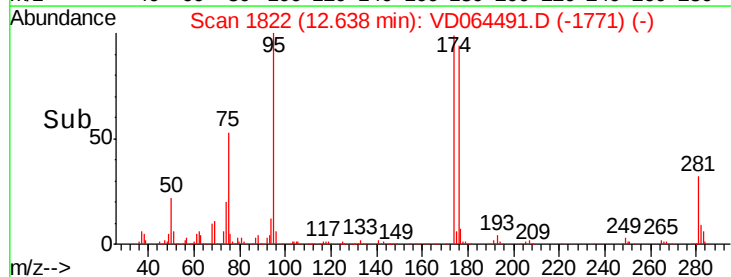
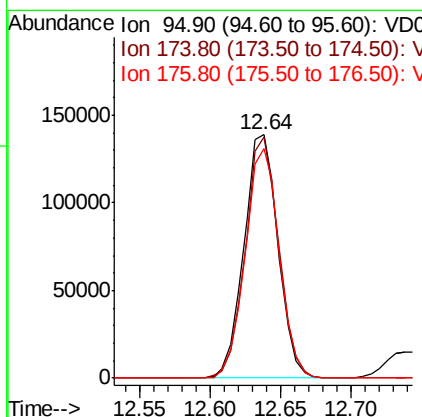
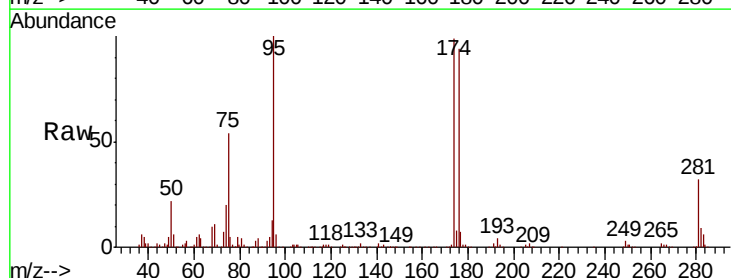
Instrument :
 MSVOA_D
 ClientSampleId :

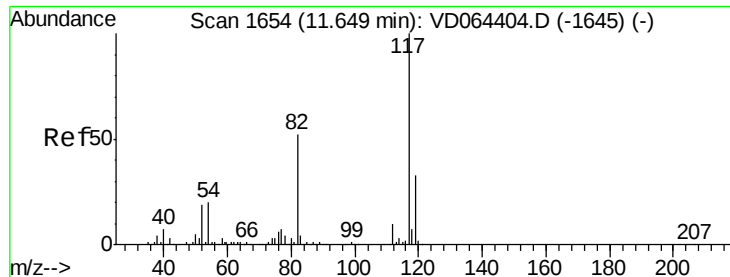
Tot Ion:107 Resp: 150505
 Ion Ratio Lower Upper
 107 100
 109 94.3 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 49.136 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion: 95 Resp: 234969
 Ion Ratio Lower Upper
 95 100
 174 96.9 0.0 197.2
 176 94.2 0.0 189.6

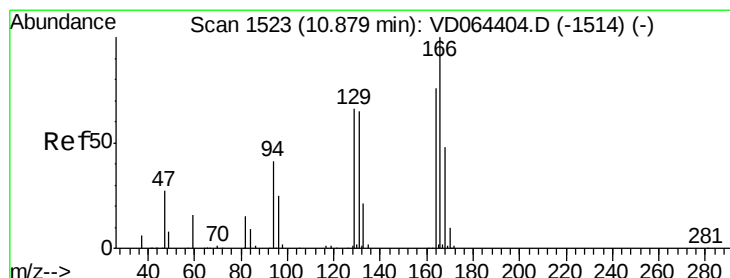
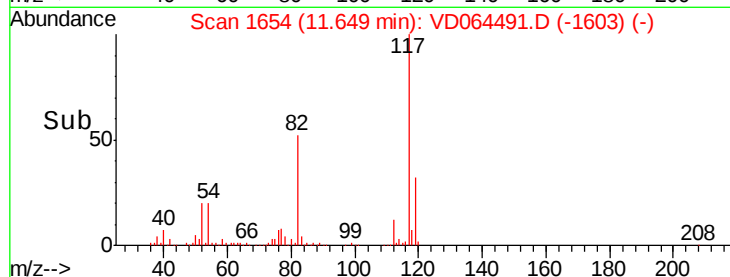
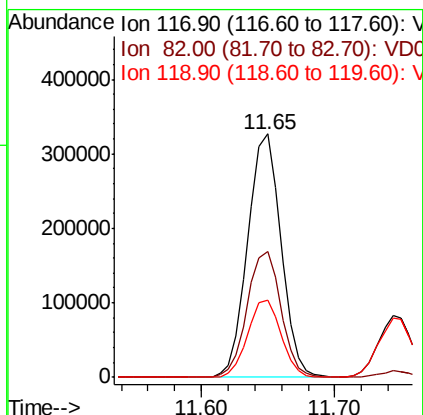
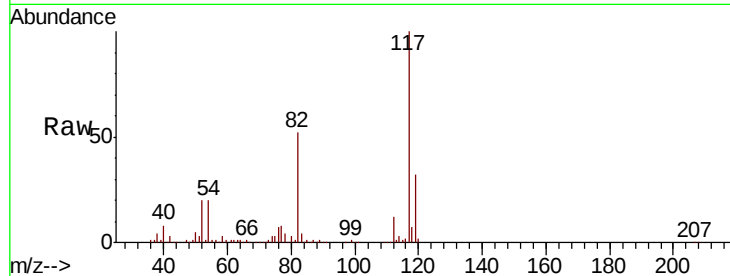




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

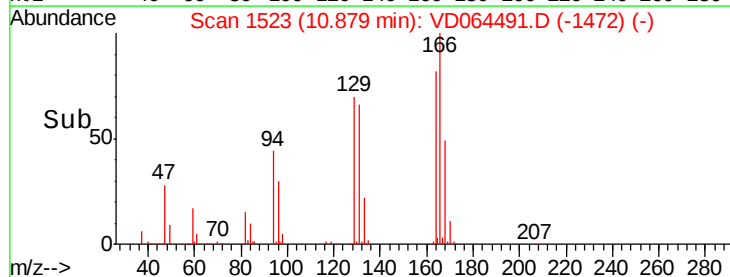
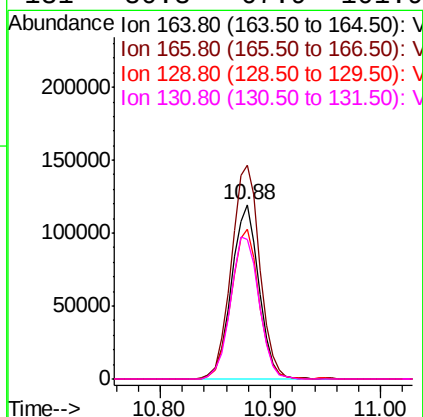
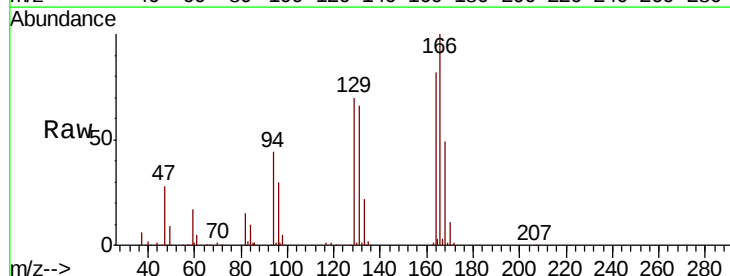
Instrument :
MSVOA_D
ClientSampled :

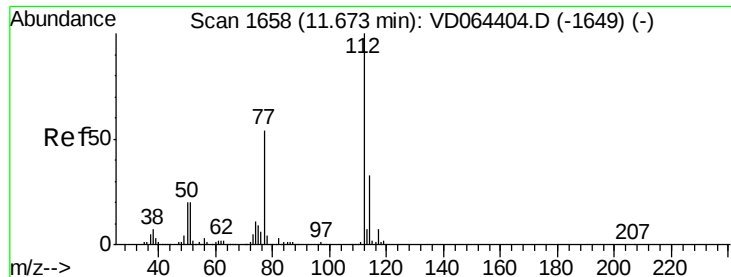
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.4	62.2
119	31.9	26.2	39.2



#64
Tetrachloroethene
Concen: 48.345 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.6	104.8	157.2
129	85.8	68.7	103.1
131	80.3	67.9	101.9

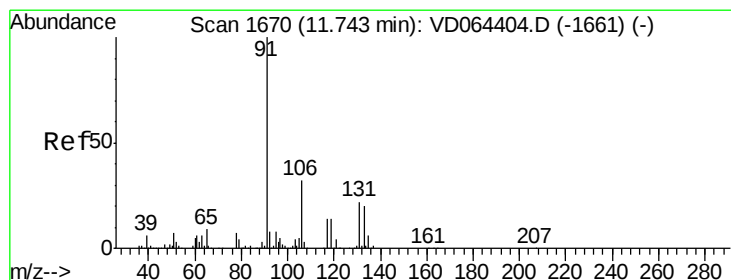
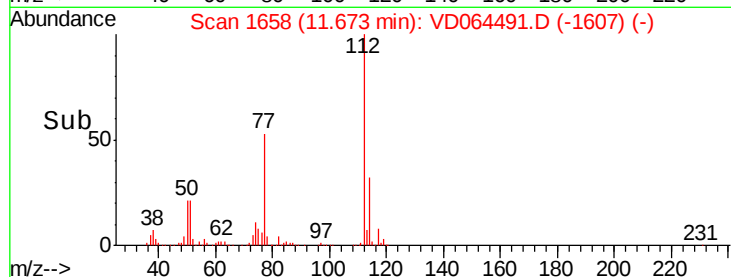
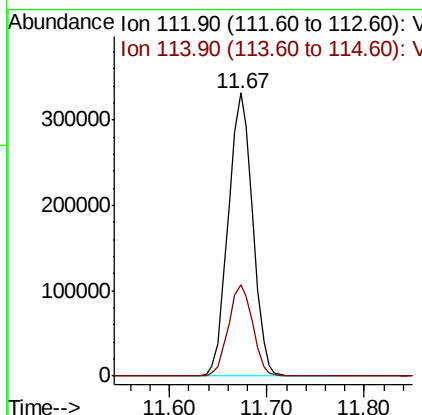
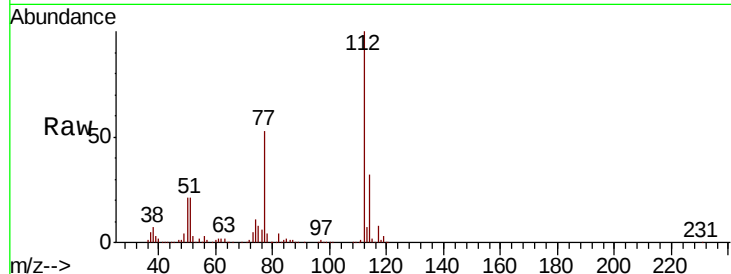




#65
Chlorobenzene
Concen: 48.997 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

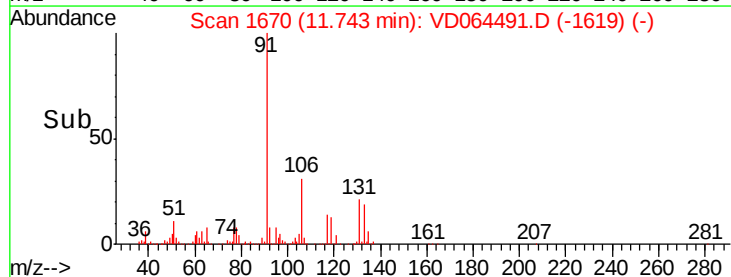
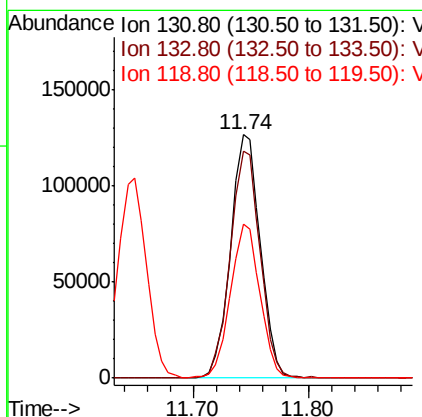
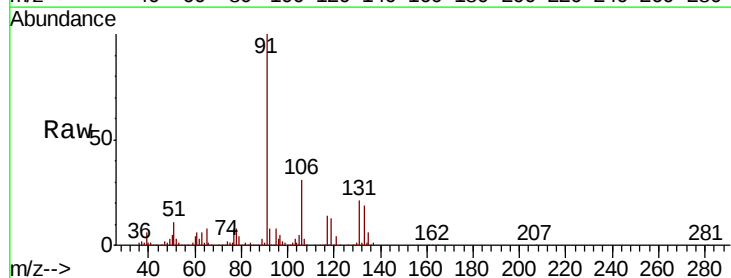
Instrument :
MSVOA_D
ClientSampleId :

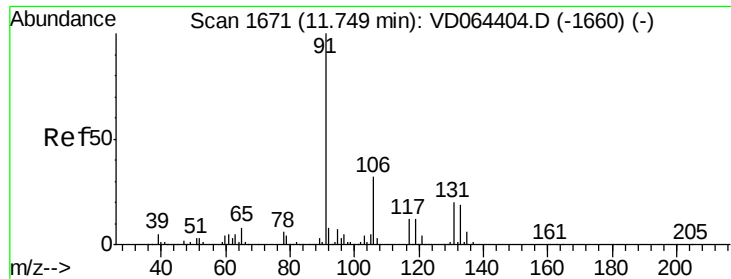
Tot Ion:112 Resp: 576769
Ion Ratio Lower Upper
112 100
114 32.4 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.798 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion:131 Resp: 225719
Ion Ratio Lower Upper
131 100
133 93.9 48.3 144.9
119 62.9 31.9 95.9





#67

Ethyl Benzene

Concen: 49.188 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

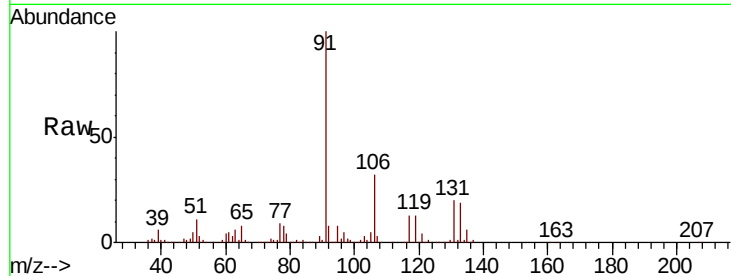
ClientSampled :

Tot Ion: 91 Resp: 1030207

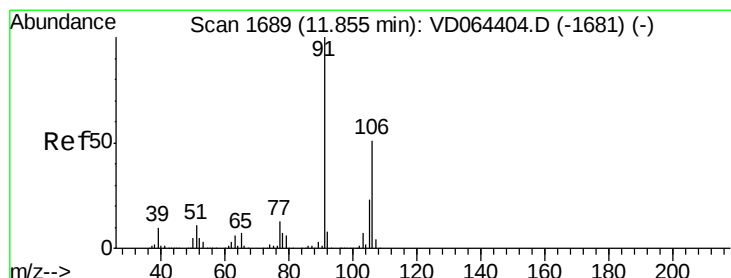
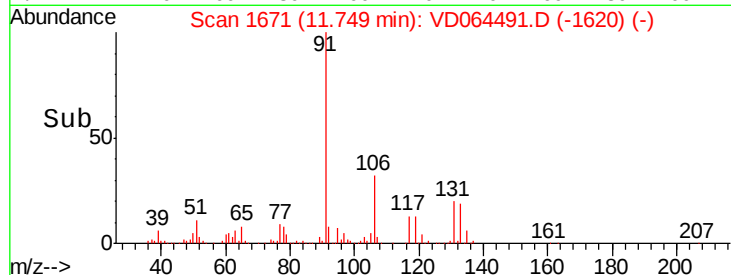
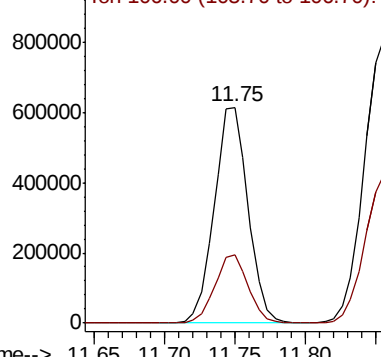
Ion Ratio Lower Upper

91 100

106 31.8 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 100.154 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064491.D

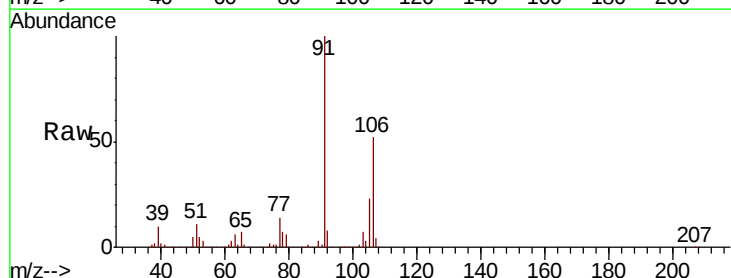
Acq: 10 Dec 2019 18:44

Tgt Ion: 106 Resp: 799810

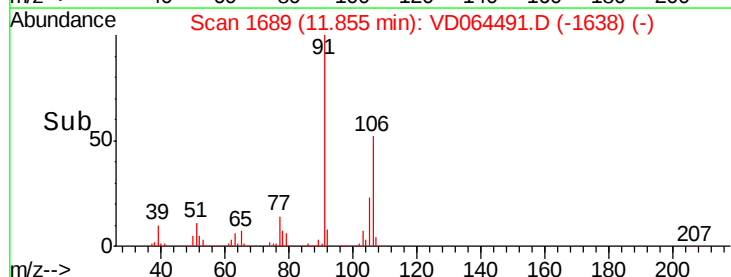
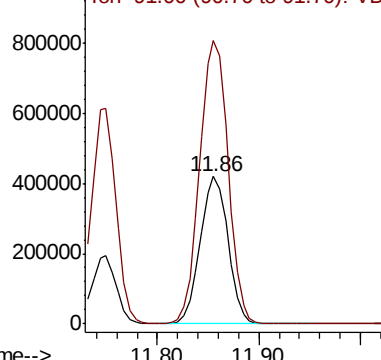
Ion Ratio Lower Upper

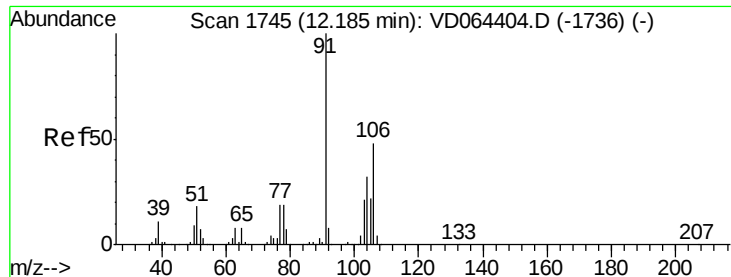
106 100

91 196.7 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): V

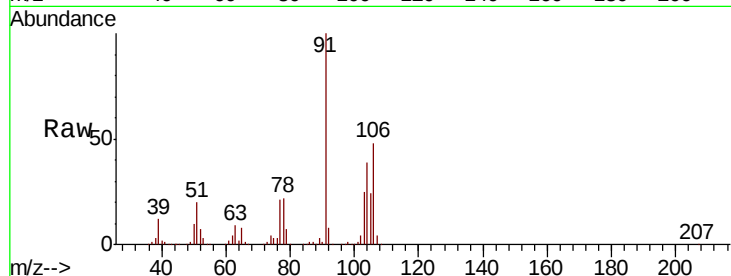




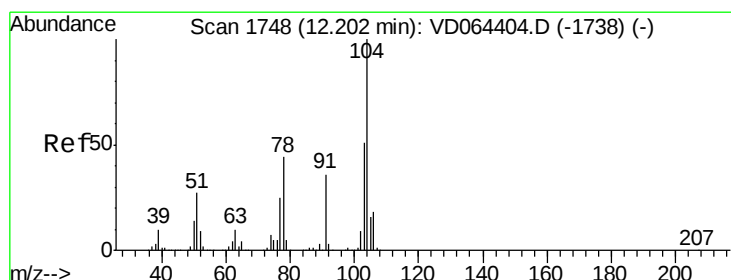
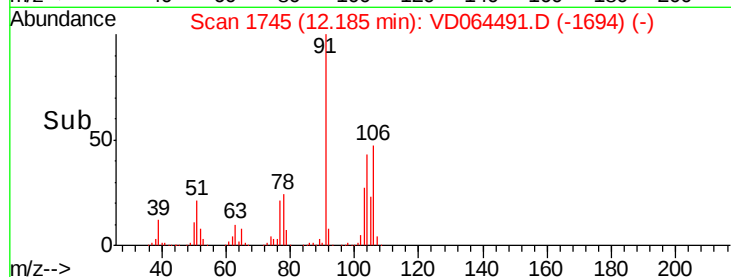
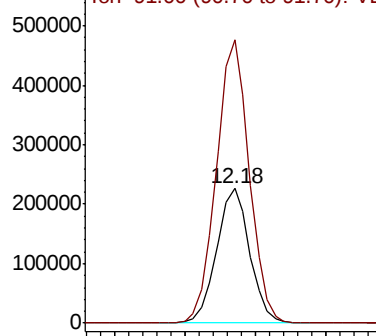
#69
o-Xylene
Concen: 50.411 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 371796
Ion Ratio Lower Upper
106 100
91 209.0 103.8 311.4

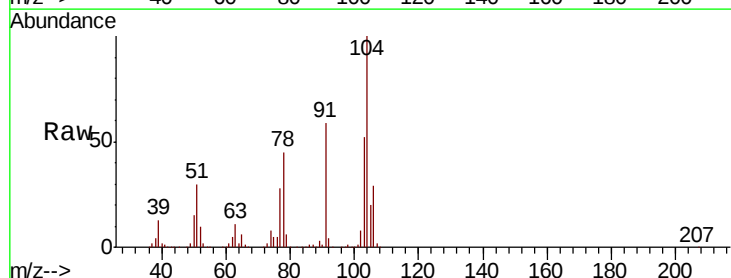


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

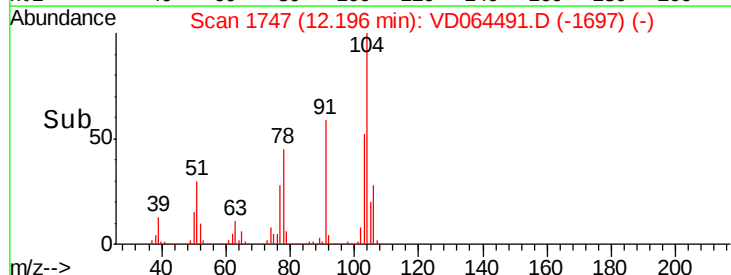
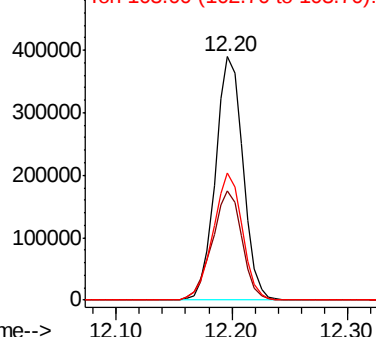


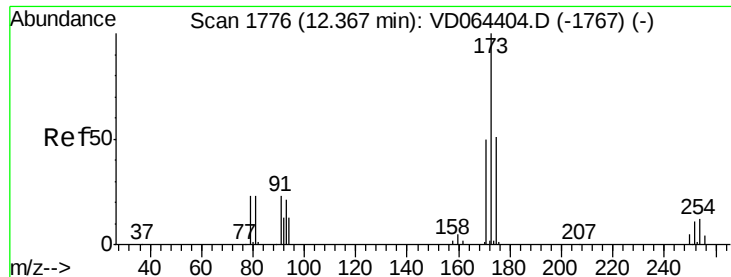
#70
Styrene
Concen: 50.411 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion:104 Resp: 646099
Ion Ratio Lower Upper
104 100
78 48.6 38.8 58.2
103 55.2 44.2 66.4



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

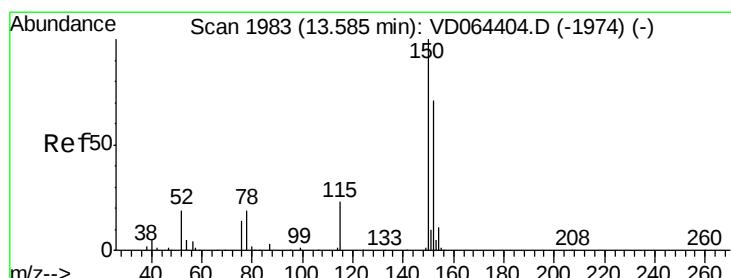
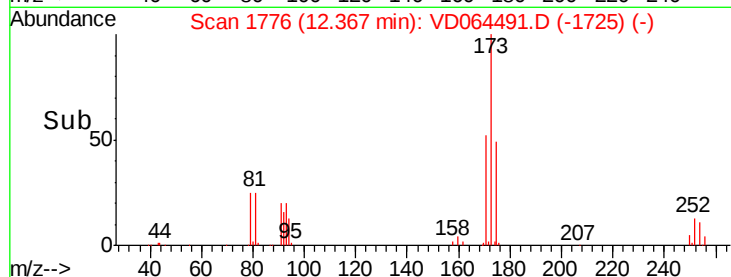
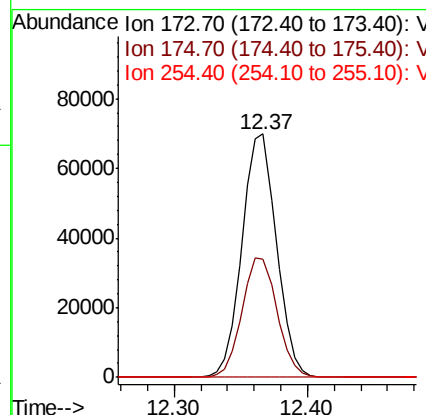
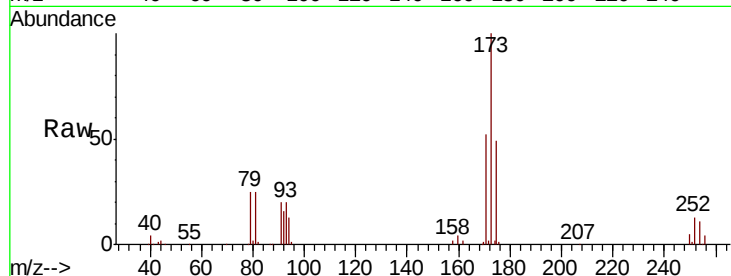




#71
Bromoform
Concen: 47.871 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

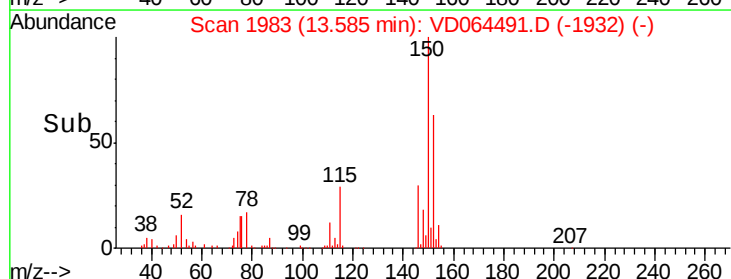
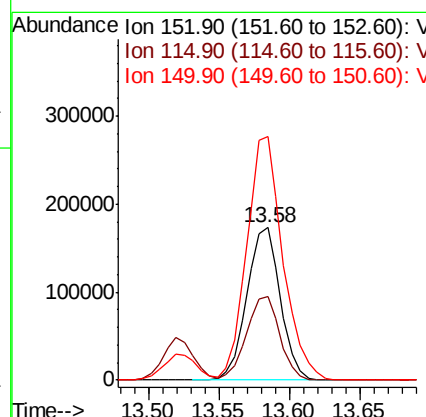
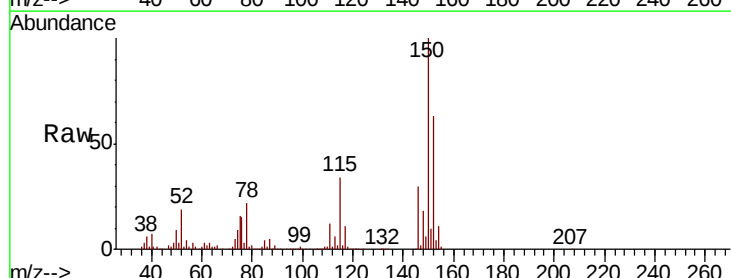
Instrument :
MSVOA_D
ClientSampleId :

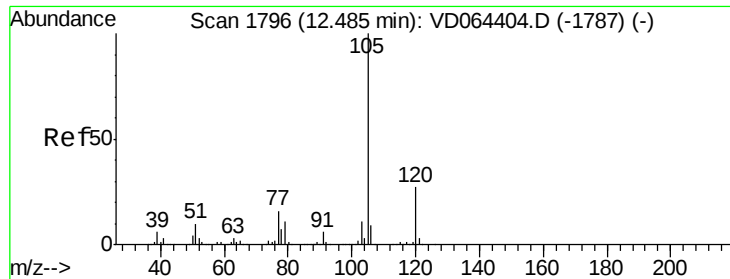
Tot Ion:173 Resp: 124805
Ion Ratio Lower Upper
173 100
175 50.1 25.3 75.8
254 0.3 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion:152 Resp: 287560
Ion Ratio Lower Upper
152 100
115 54.4 26.7 80.1
150 172.0 0.0 347.2

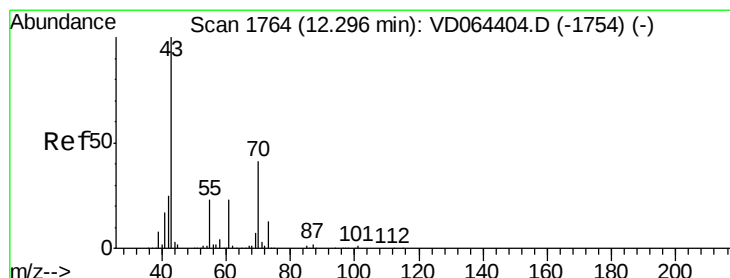
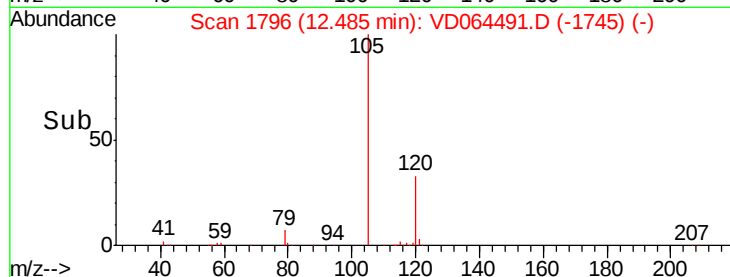
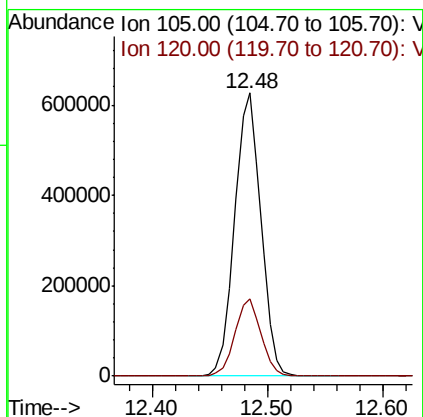
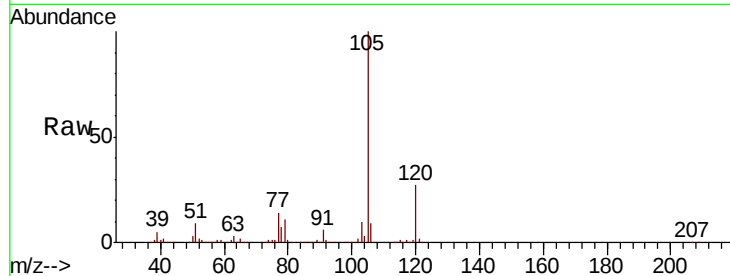




#73
Isopropylbenzene
Concen: 47.700 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

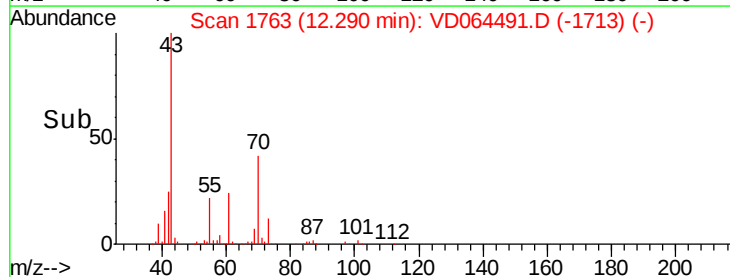
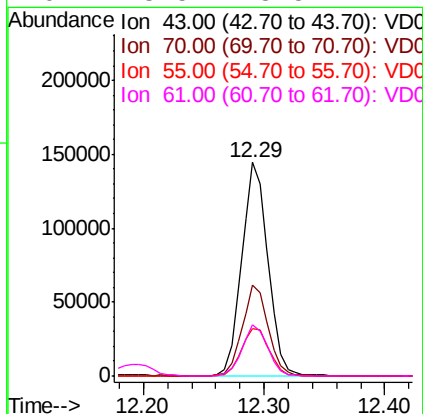
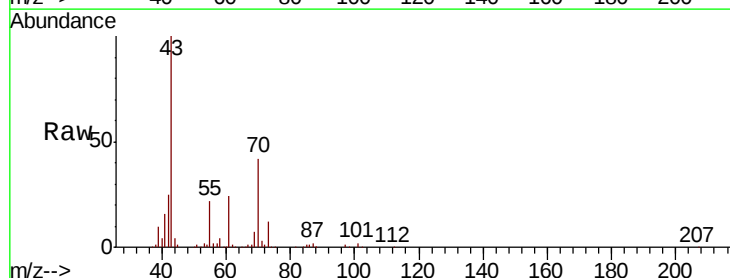
Instrument :
MSVOA_D
ClientSampleId :

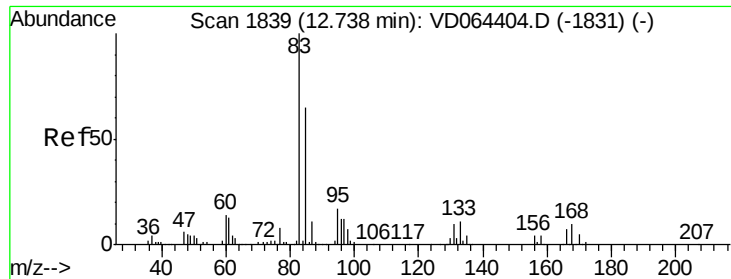
Tot Ion:105 Resp: 986514
Ion Ratio Lower Upper
105 100
120 27.0 13.4 40.2



#74
N-ethyl acetate
Concen: 46.954 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion: 43 Resp: 220401
Ion Ratio Lower Upper
43 100
70 41.8 33.4 50.2
55 23.6 18.9 28.3
61 23.5 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 45.676 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

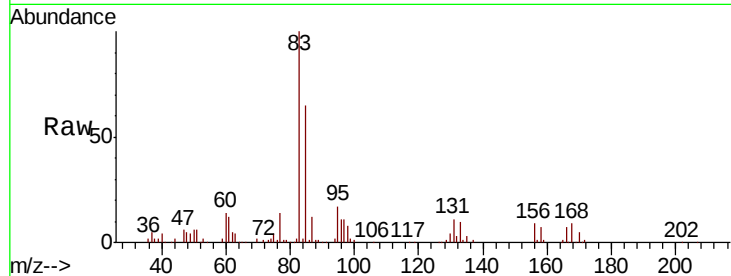
Tot Ion: 83 Resp: 156215

Ion Ratio Lower Upper

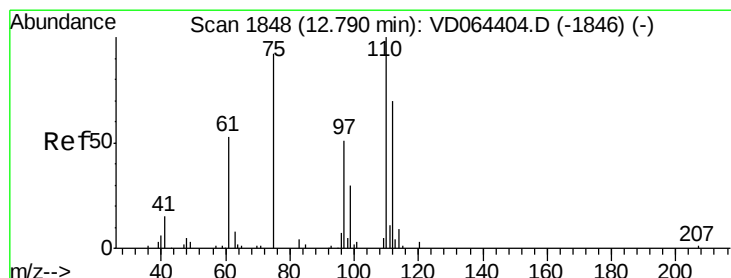
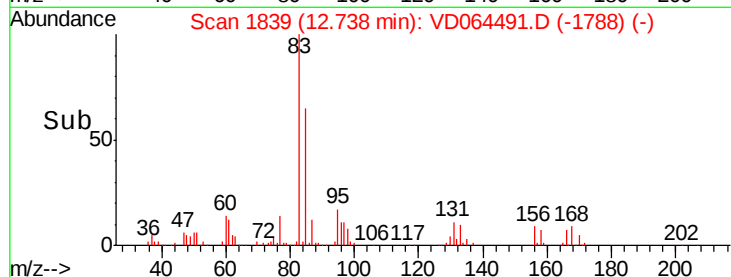
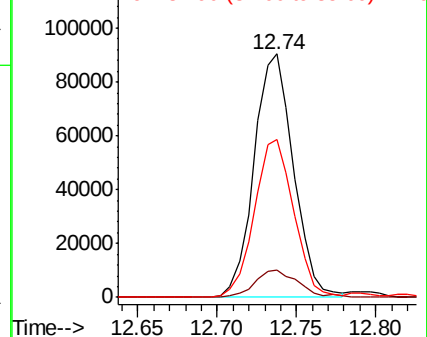
83 100

131 12.3 5.7 17.0

85 64.7 31.3 93.9



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: 88.452 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064491.D

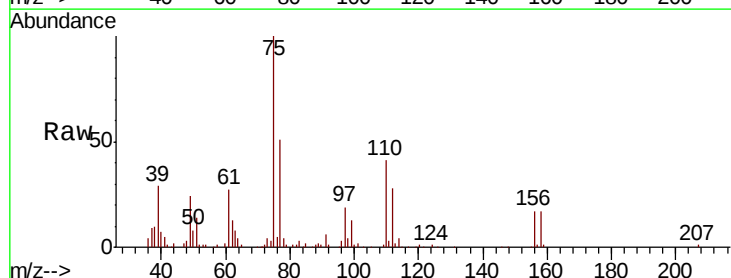
Acq: 10 Dec 2019 18:44

Tgt Ion: 75 Resp: 209172

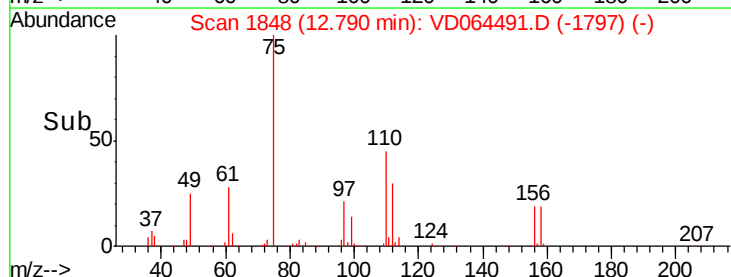
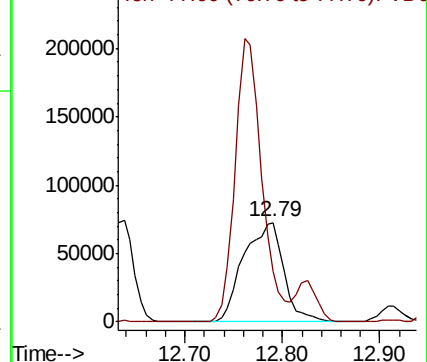
Ion Ratio Lower Upper

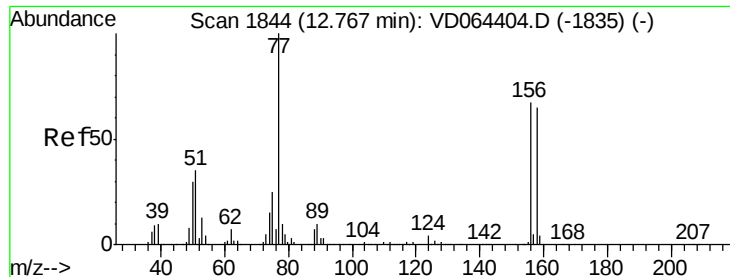
75 100

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: 48.366 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampled :

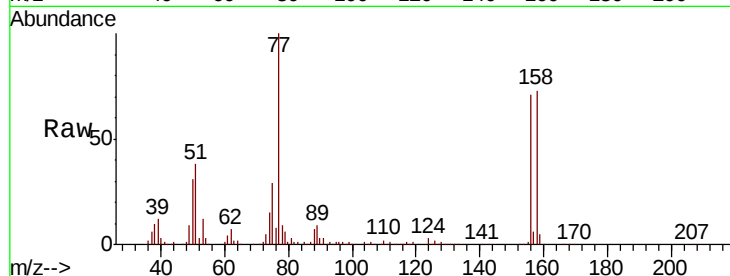
Tot Ion:156 Resp: 247017

Ion Ratio Lower Upper

156 100

77 161.2 80.0 240.2

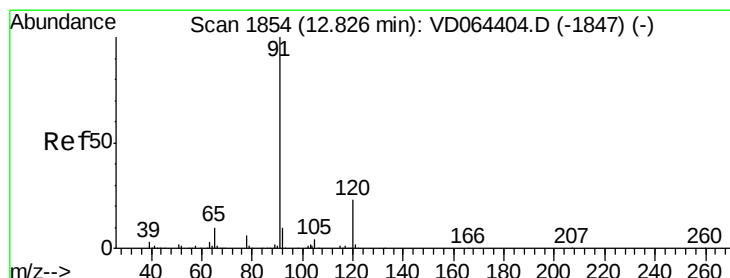
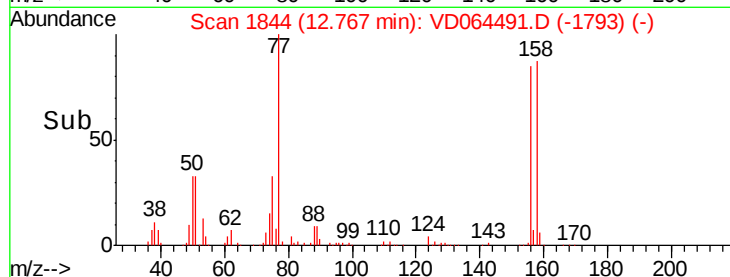
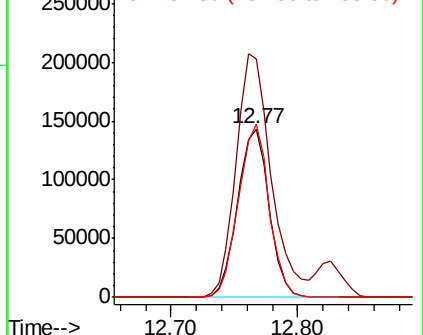
158 99.9 48.9 146.6



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: 47.739 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064491.D

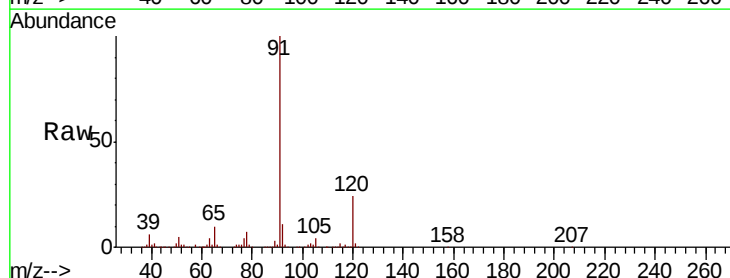
Acq: 10 Dec 2019 18:44

Tgt Ion: 91 Resp: 1139186

Ion Ratio Lower Upper

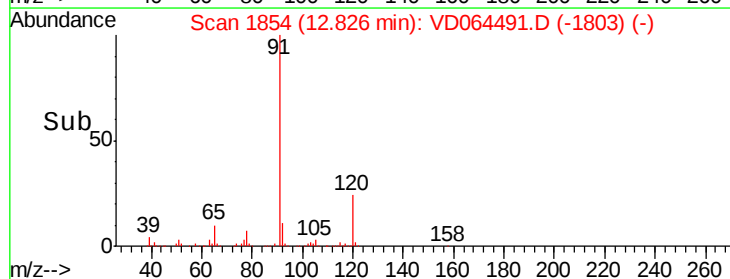
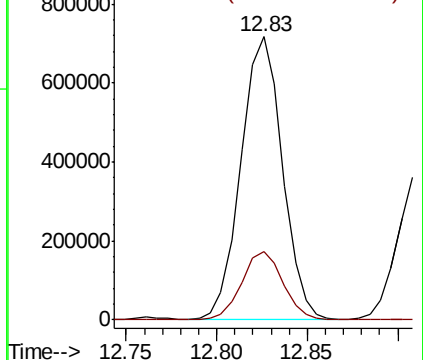
91 100

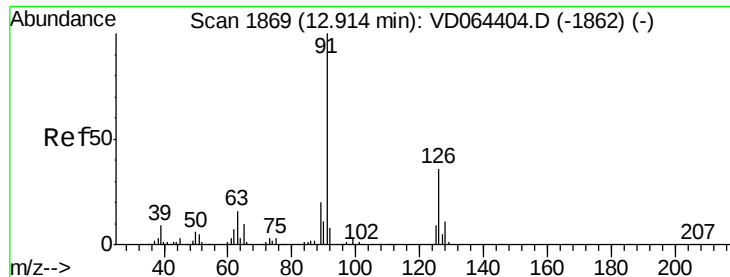
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.915 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

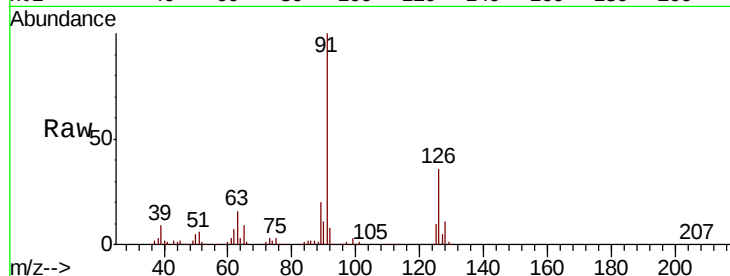
ClientSampleId :

Tot Ion: 91 Resp: 629142

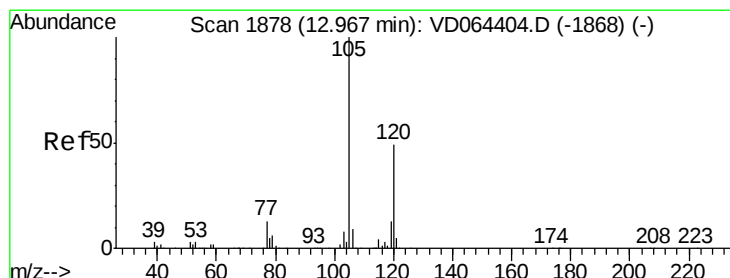
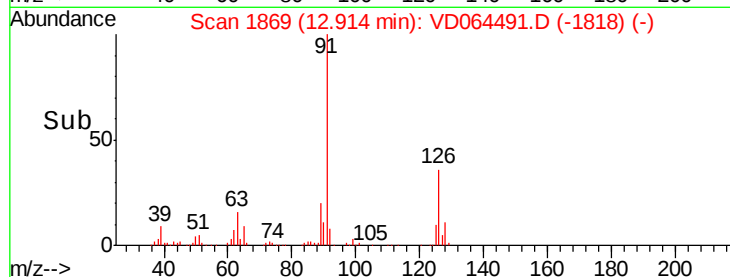
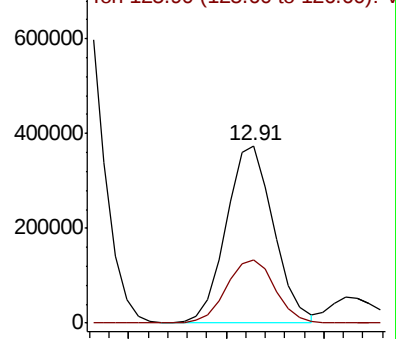
Ion Ratio Lower Upper

91 100

126 36.4 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 48.071 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064491.D

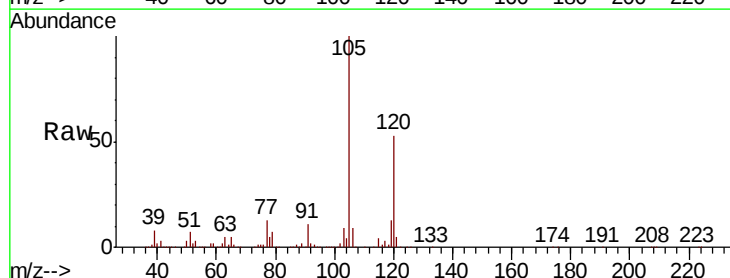
Acq: 10 Dec 2019 18:44

Tgt Ion:105 Resp: 812446

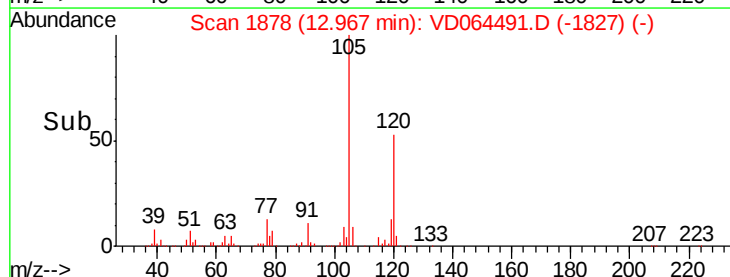
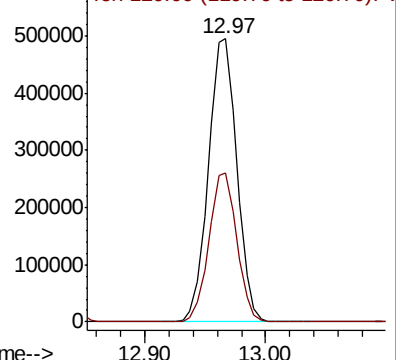
Ion Ratio Lower Upper

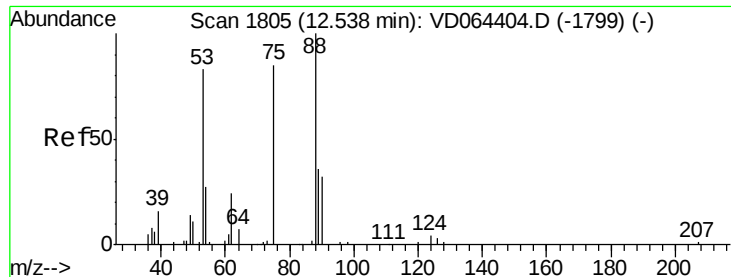
105 100

120 51.7 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.787 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

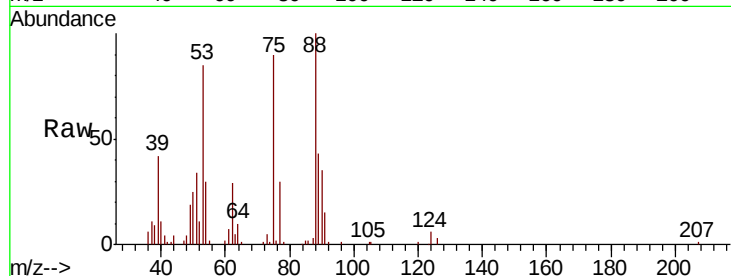
Tot Ion: 75 Resp: 50741

Ion Ratio Lower Upper

75 100

53 101.5 81.0 121.6

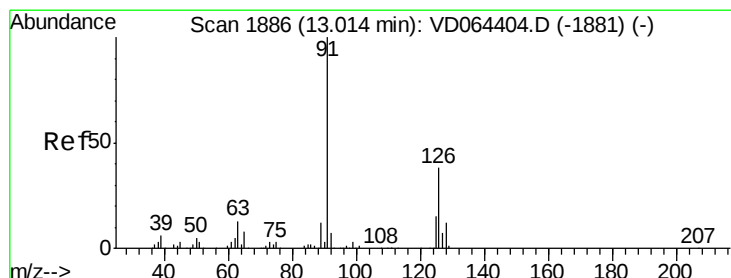
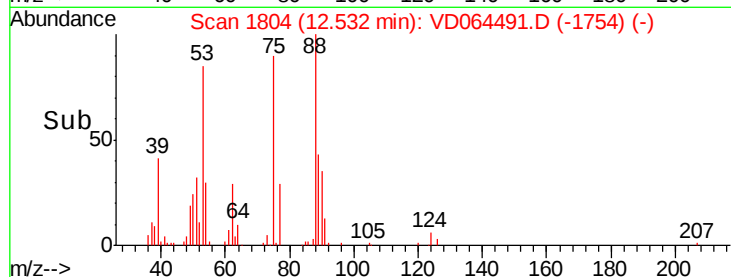
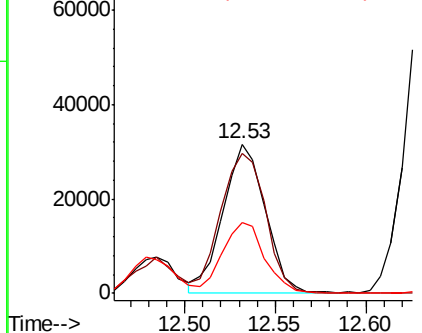
89 47.6 38.5 57.7



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: 48.726 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064491.D

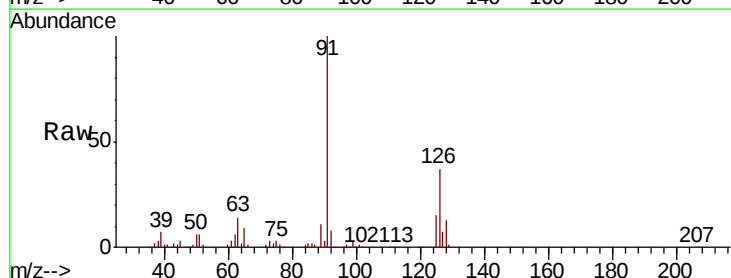
Acq: 10 Dec 2019 18:44

Tgt Ion: 91 Resp: 677392

Ion Ratio Lower Upper

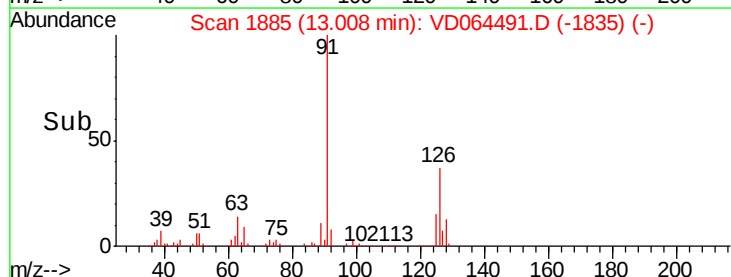
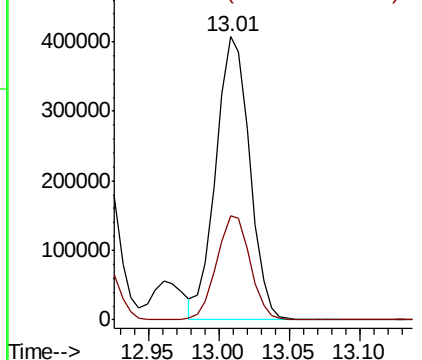
91 100

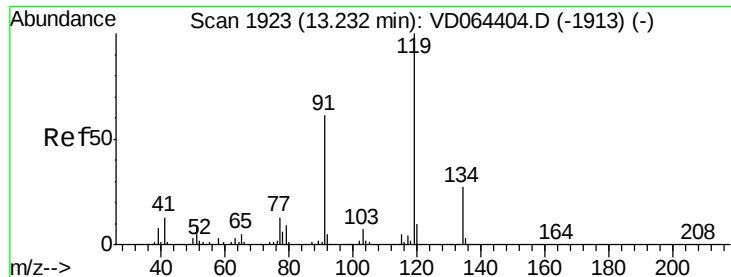
126 36.6 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 48.930 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

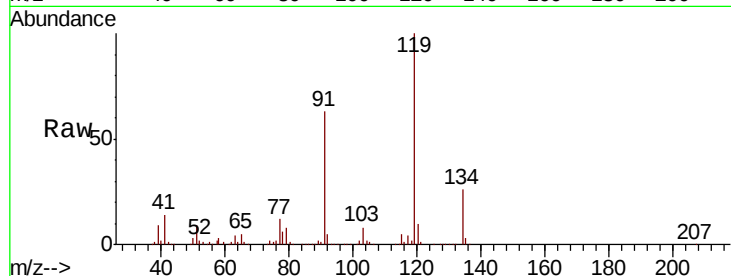
Tot Ion:119 Resp: 718942

Ion Ratio Lower Upper

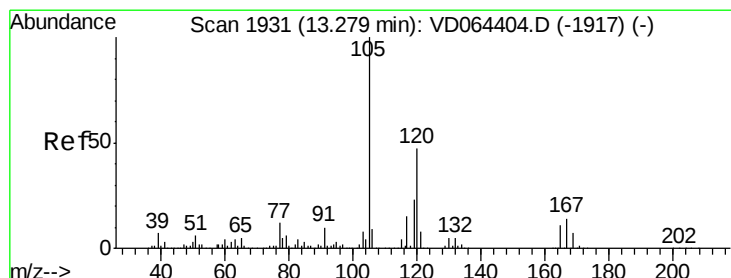
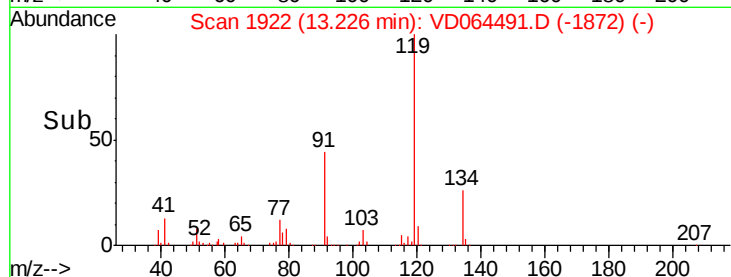
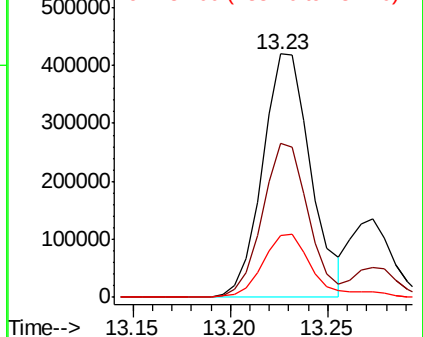
119 100

91 60.3 31.2 93.6

134 27.2 13.9 41.7



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.956 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064491.D

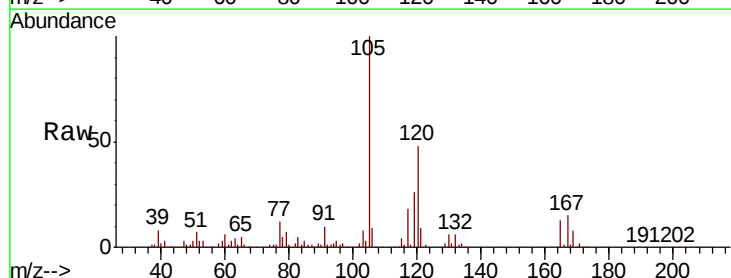
Acq: 10 Dec 2019 18:44

Tgt Ion:105 Resp: 814979

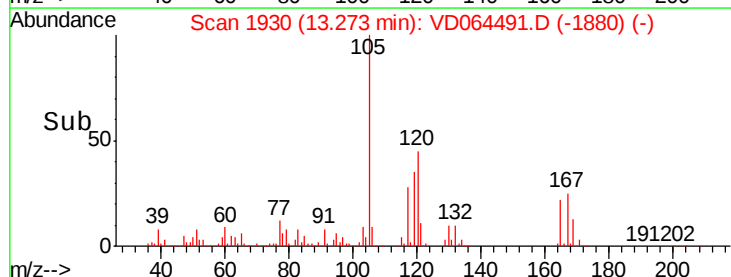
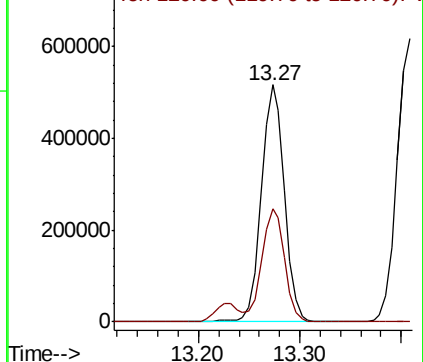
Ion Ratio Lower Upper

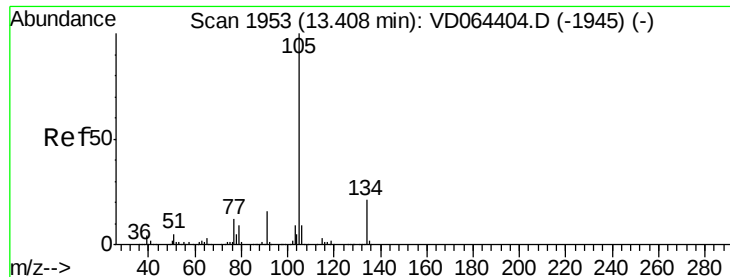
105 100

120 47.4 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.603 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

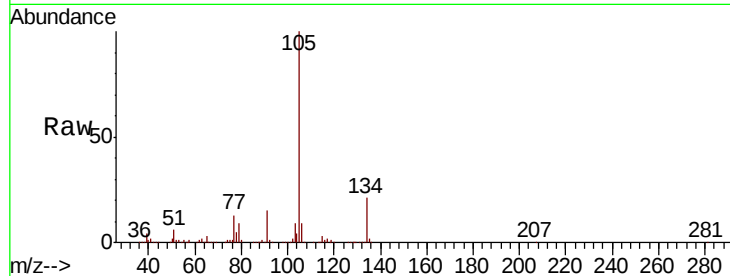
ClientSampleId :

Tot Ion:105 Resp: 959972

Ion Ratio Lower Upper

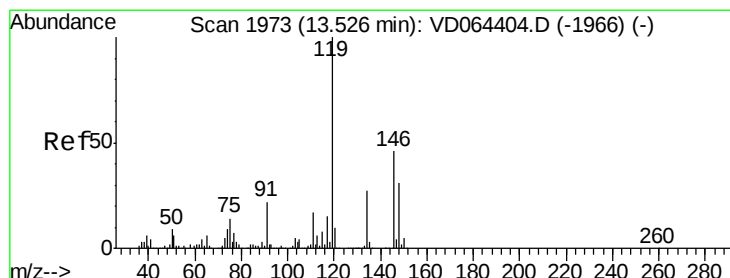
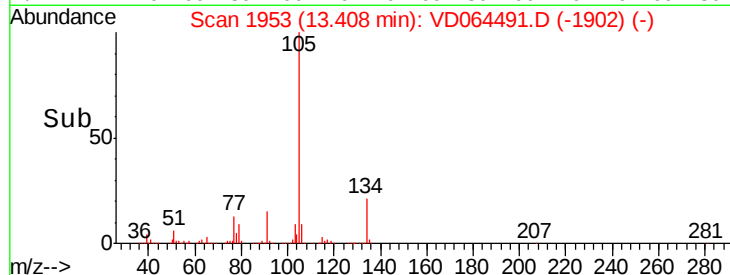
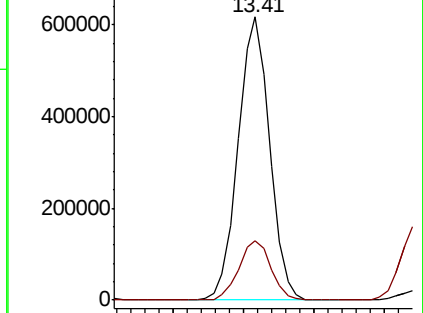
105 100

134 21.5 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.015 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

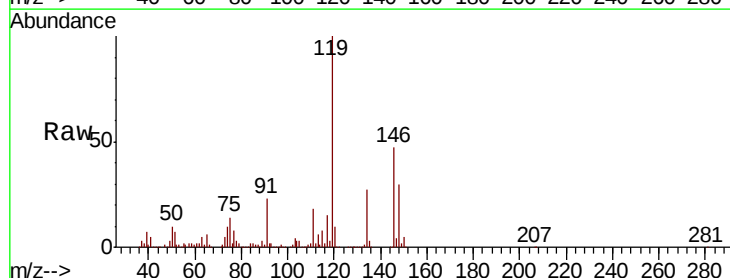
Tgt Ion:119 Resp: 914149

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

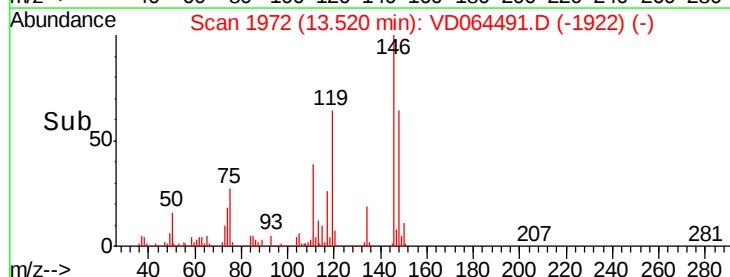
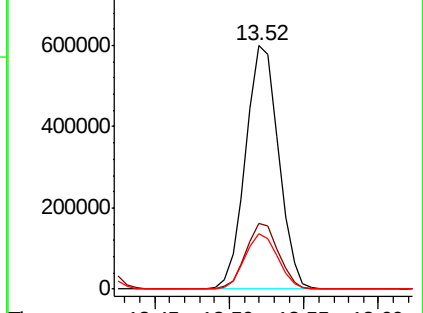
91 22.6 11.2 33.5

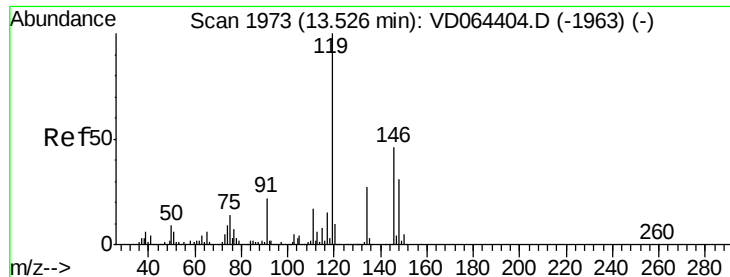


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.402 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

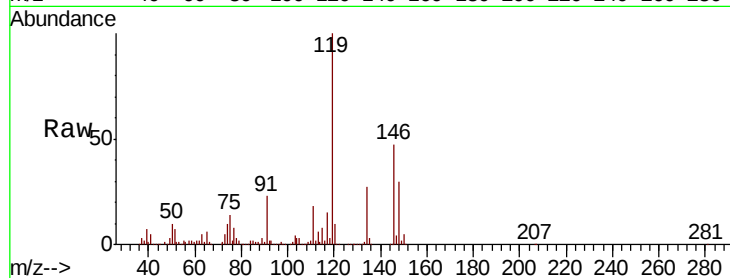
Tot Ion:146 Resp: 469184

Ion Ratio Lower Upper

146 100

111 37.6 18.8 56.4

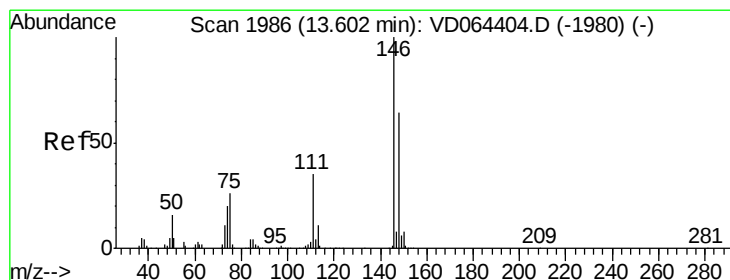
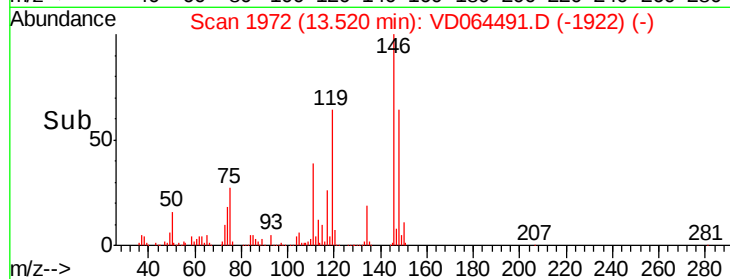
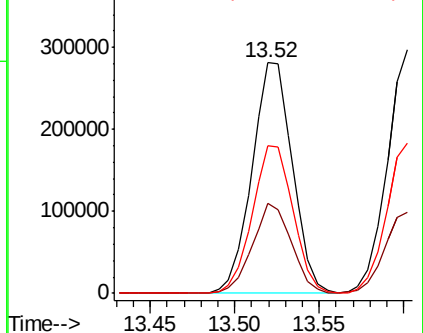
148 64.2 32.6 97.8



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



#88

1,4-Dichlorobenzene

Concen: 48.185 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

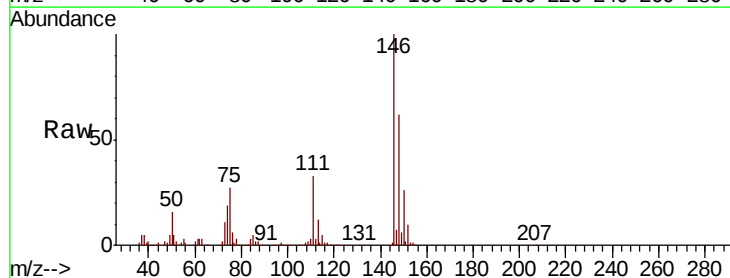
Tgt Ion:146 Resp: 461144

Ion Ratio Lower Upper

146 100

111 36.0 18.2 54.6

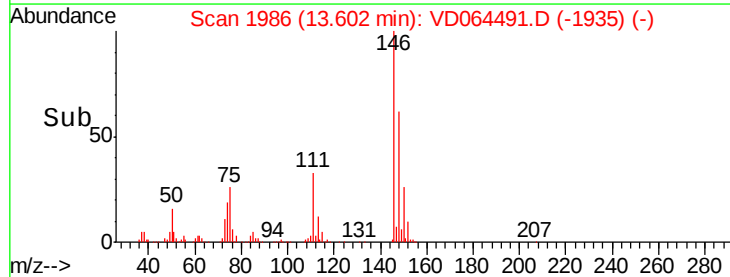
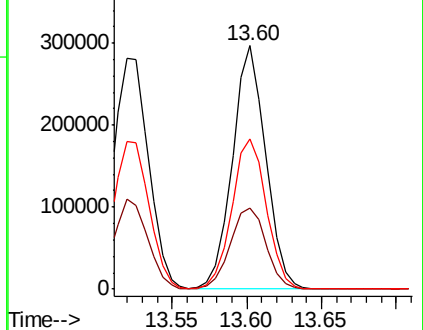
148 64.0 31.8 95.4

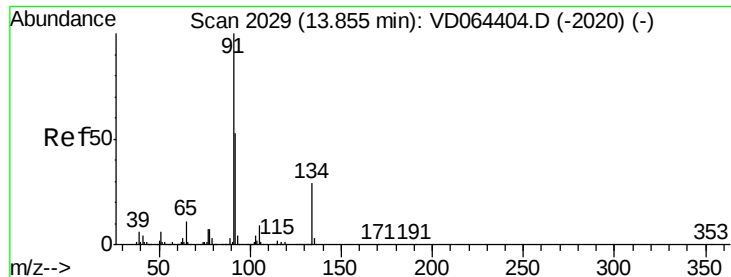


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

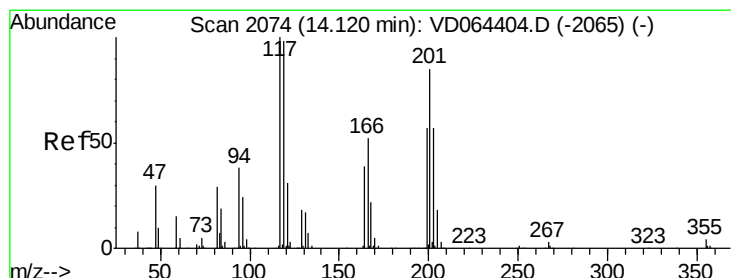
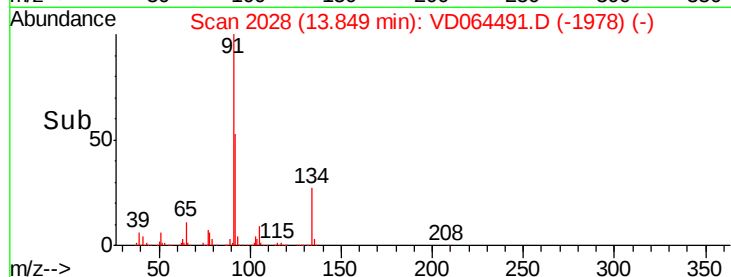
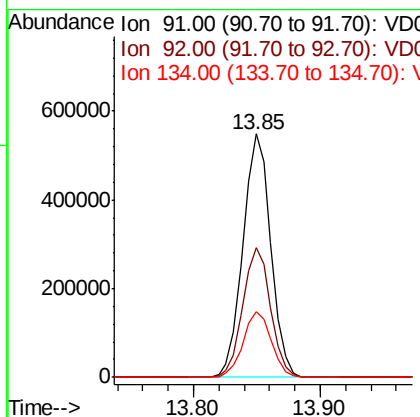
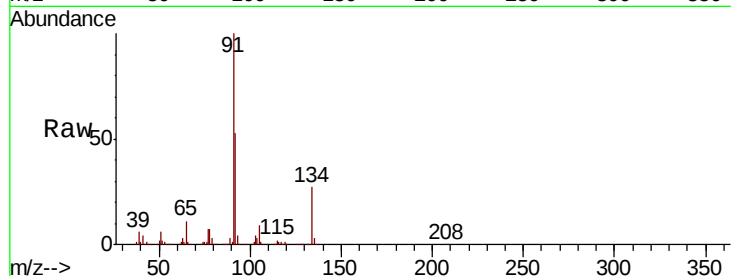




#89
n-Butylbenzene
Concen: 48.226 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

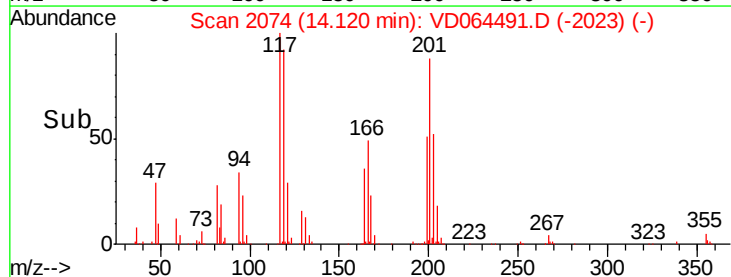
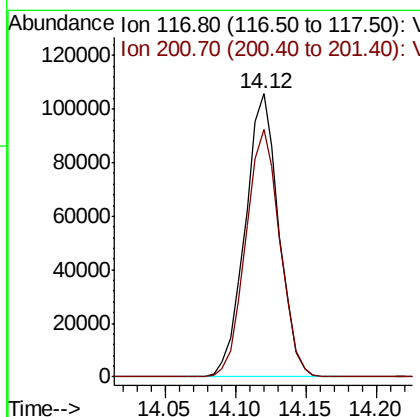
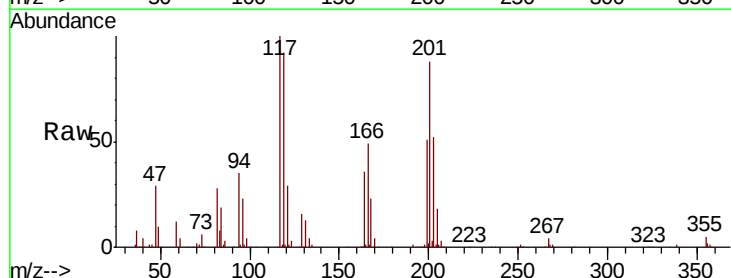
Instrument :
MSVOA_D
ClientSampleId :

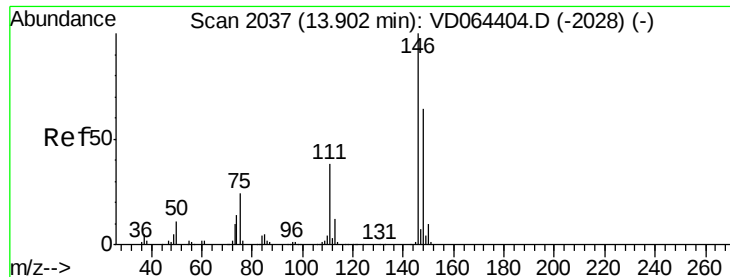
Tot Ion: 91 Resp: 833807
Ion Ratio Lower Upper
91 100
92 53.3 26.5 79.4
134 27.3 13.9 41.7



#90
Hexachloroethane
Concen: 49.603 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion: 117 Resp: 176634
Ion Ratio Lower Upper
117 100
201 88.7 44.3 132.8

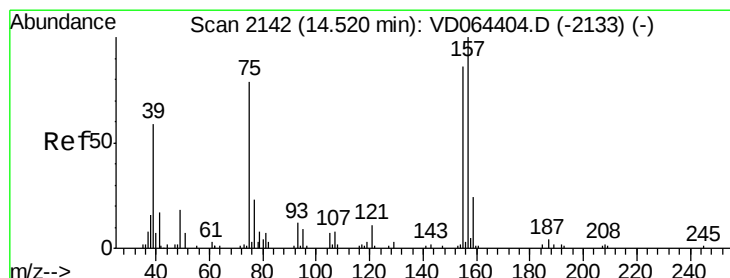
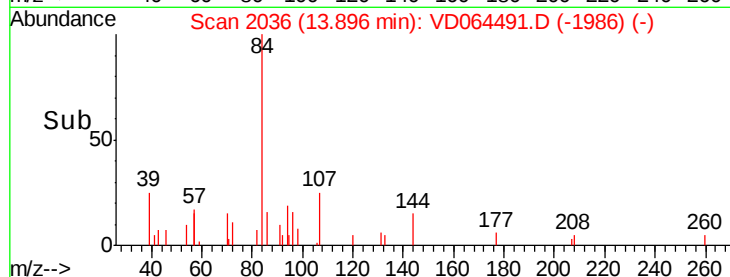
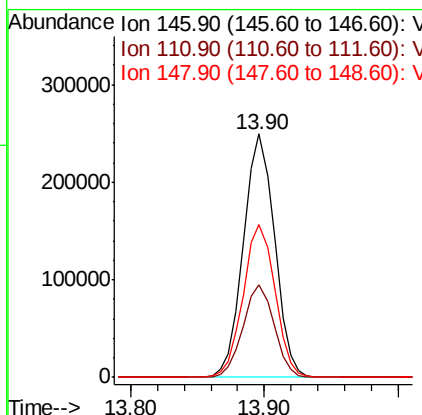
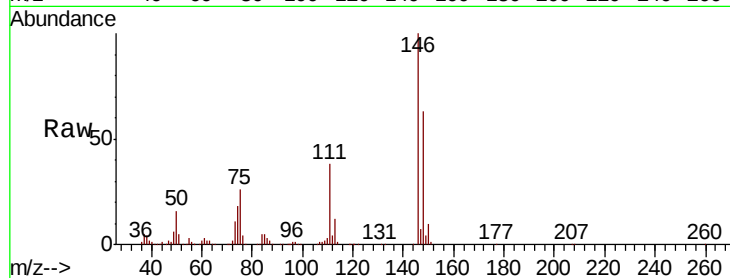




#91
 1,2-Dichlorobenzene
 Concen: 48.585 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

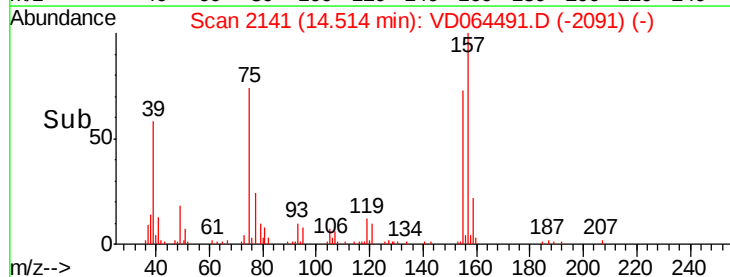
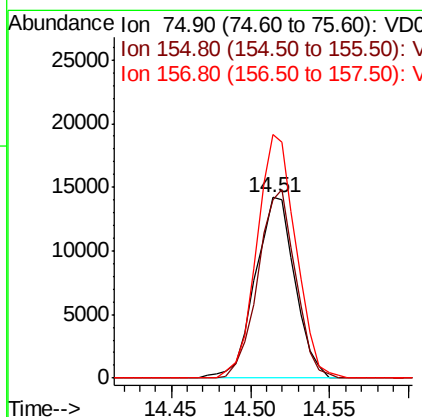
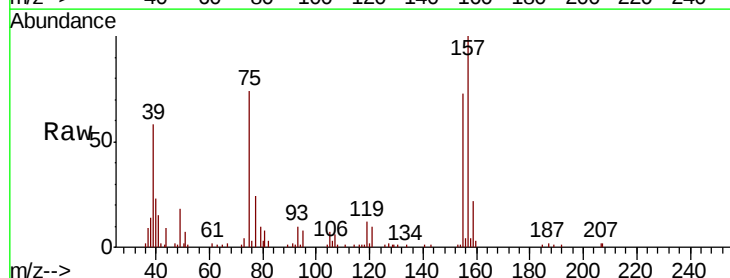
Instrument :
 MSVOA_D
 ClientSampleId :

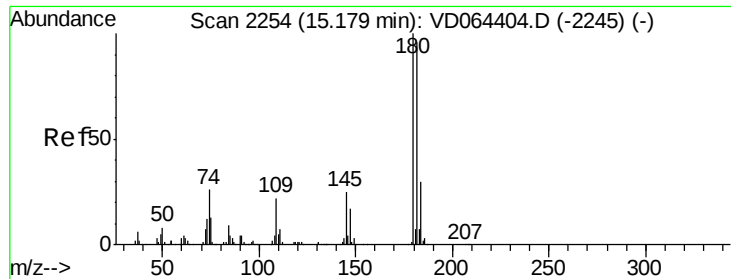
Tot Ion:146 Resp: 402488
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.3
 148 64.1 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.403 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion: 75 Resp: 24807
 Ion Ratio Lower Upper
 75 100
 155 98.6 51.9 155.7
 157 131.8 63.2 189.8

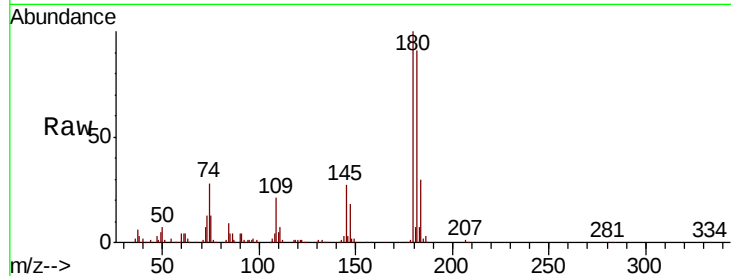




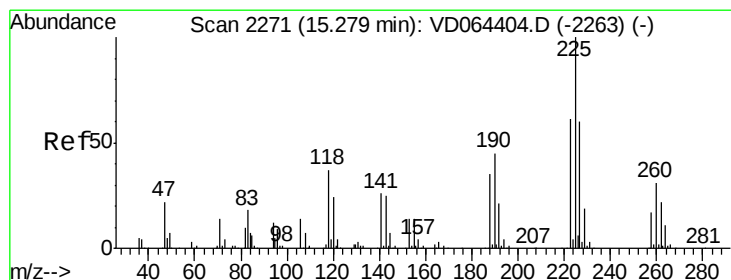
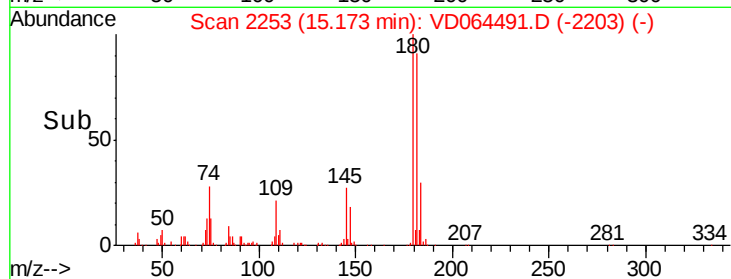
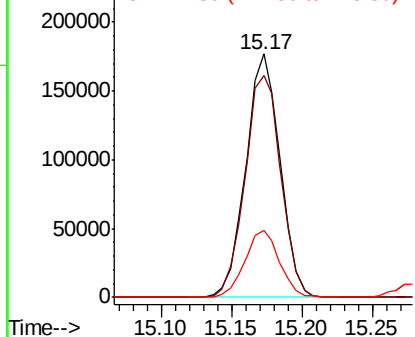
#93
 1,2,4-Trichlorobenzene
 Concen: 47.430 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	27.7	14.0	41.9

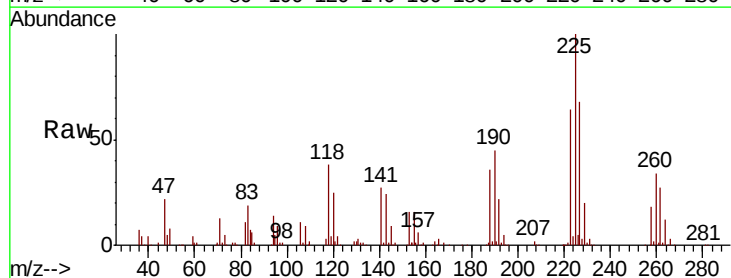


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

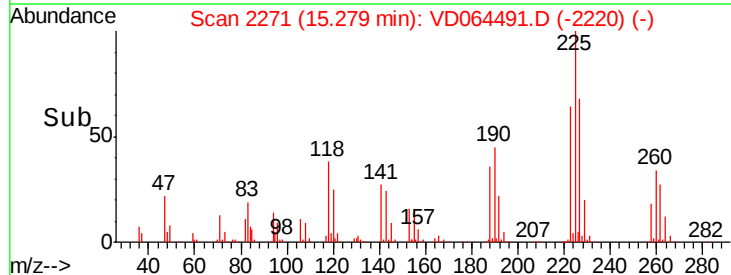
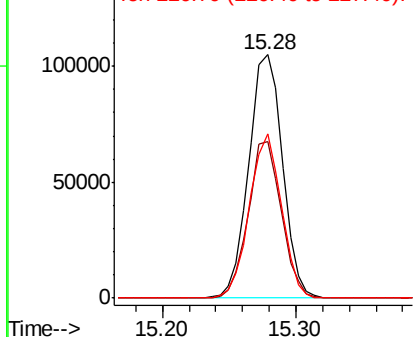


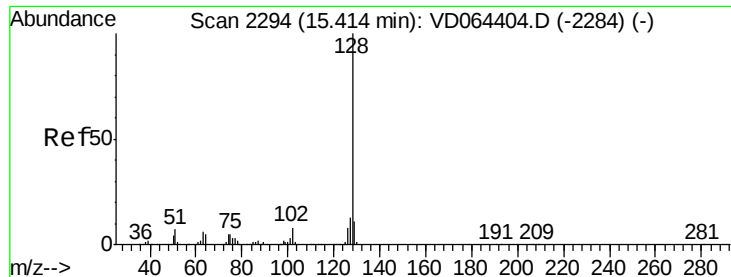
#94
 Hexachlorobutadiene
 Concen: 46.794 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.1	93.3
227	64.1	31.8	95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

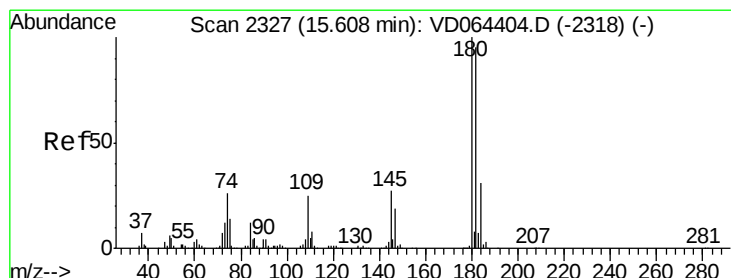
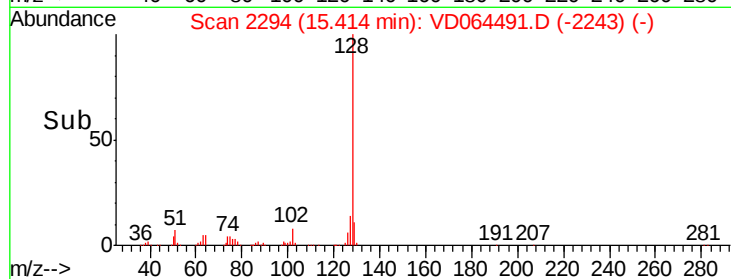
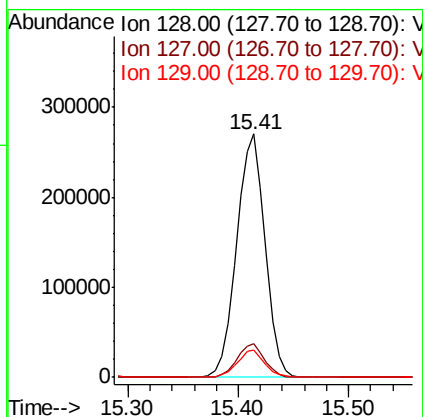
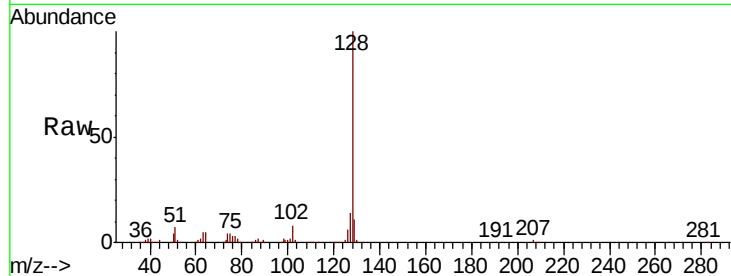




#95
Naphthalene
Concen: 46.009 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 487151
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 48.111 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion:180 Resp: 260551
Ion Ratio Lower Upper
180 100
182 95.4 47.6 142.9
145 29.8 14.6 43.8

