

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121019\
 Data File : VD064482.D
 Acq On : 10 Dec 2019 10:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 11 00:46:49 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	475404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	681389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	600423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	301380	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	212587	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	7.91	113	222670	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
50) Toluene-d8	10.34	98	842619	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.64	95	263401	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	206786	48.005	ug/l	99
3) Chloromethane	2.21	50	257312	47.360	ug/l	99
4) Vinyl Chloride	2.35	62	316832	50.506	ug/l	96
5) Bromomethane	2.77	94	216792	46.732	ug/l	94
6) Chloroethane	2.92	64	213123	50.829	ug/l	98
7) Trichlorofluoromethane	3.27	101	540702	51.848	ug/l	97
8) Diethyl Ether	3.70	74	101884	47.015	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	227177	50.806	ug/l	97
10) Methyl Iodide	4.29	142	256484	54.317	ug/l	99
11) Tert butyl alcohol	5.24	59	60789	221.927	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	214930	50.158	ug/l	98
13) Acrolein	3.93	56	98457	263.526	ug/l	99
14) Allyl chloride	4.71	41	345594	51.679	ug/l	99
15) Acrylonitrile	5.43	53	222975	235.297	ug/l	98
16) Acetone	4.17	43	254500	292.673	ug/l	100
17) Carbon Disulfide	4.40	76	679253	50.050	ug/l	98
18) Methyl Acetate	4.72	43	112446	44.332	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	471124	47.931	ug/l	98
20) Methylene Chloride	4.96	84	225903	51.239	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	241958	49.919	ug/l	100
22) Diisopropyl ether	6.36	45	662670	50.196	ug/l	95
23) Vinyl Acetate	6.31	43	1921110	246.838	ug/l	98
24) 1,1-Dichloroethane	6.26	63	403964	50.881	ug/l	97
25) 2-Butanone	7.22	43	299383	243.450	ug/l	100
26) 2,2-Dichloropropane	7.21	77	376220	54.489	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	267193	50.563	ug/l	98
28) Bromochloromethane	7.55	49	132308	48.763	ug/l	100
29) Tetrahydrofuran	7.57	42	178363	227.970	ug/l	97
30) Chloroform	7.71	83	411446	50.040	ug/l	99
31) Cyclohexane	7.98	56	382242	55.665	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	397498	52.144	ug/l	100
36) 1,1-Dichloropropene	8.11	75	333782	51.789	ug/l	99
37) Ethyl Acetate	7.30	43	129135	47.220	ug/l	98
38) Carbon Tetrachloride	8.10	117	366704	53.910	ug/l	99

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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)
39) Methylcyclohexane	9.36	83	419951	52.528	ug/l	97
40) Benzene	8.35	78	922015	51.508	ug/l	99
41) Methacrylonitrile	7.53	41	78229	49.880	ug/l	93
42) 1,2-Dichloroethane	8.43	62	257715	49.368	ug/l	99
43) Isopropyl Acetate	8.46	43	264365	49.166	ug/l	99
44) Trichloroethene	9.11	130	274306	50.872	ug/l	97
45) 1,2-Dichloropropane	9.38	63	220328	51.466	ug/l	100
46) Dibromomethane	9.47	93	119981	49.657	ug/l	100
47) Bromodichloromethane	9.66	83	319488	51.461	ug/l	100
48) Methyl methacrylate	9.46	41	118971	48.352	ug/l	96
49) 1,4-Dioxane	9.46	88	26688	894.469	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	633998	238.300	ug/l	100
52) Toluene	10.40	92	605291	51.886	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	305471	51.628	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	362118	51.518	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	160933	48.643	ug/l	95
56) Ethyl methacrylate	10.66	69	206226	48.871	ug/l	100
57) 1,3-Dichloropropane	10.95	76	276821	49.152	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	374394	222.567	ug/l	99
59) 2-Hexanone	10.98	43	468570	253.816	ug/l	100
60) Dibromochloromethane	11.14	129	224144	49.967	ug/l	99
61) 1,2-Dibromoethane	11.25	107	160725	48.655	ug/l	98
64) Tetrachloroethene	10.88	164	234387	51.191	ug/l	95
65) Chlorobenzene	11.67	112	631841	50.455	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	236989	51.121	ug/l	100
67) Ethyl Benzene	11.74	91	1165067	52.290	ug/l	99
68) m/p-Xylenes	11.86	106	897759	105.674	ug/l	100
69) o-Xylene	12.18	106	402996	51.362	ug/l	97
70) Styrene	12.20	104	706858	51.843	ug/l	100
71) Bromoform	12.36	173	136809	49.327	ug/l #	98
73) Isopropylbenzene	12.48	105	1122147	51.770	ug/l	100
74) N-amyl acetate	12.29	43	235723	47.916	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	163944	45.737	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	224643	90.639	ug/l #	100
77) Bromobenzene	12.77	156	270553	50.545	ug/l	99
78) n-propylbenzene	12.83	91	1295640	51.806	ug/l	100
79) 2-Chlorotoluene	12.91	91	703859	51.148	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	916313	51.731	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	55692	48.997	ug/l	99
82) 4-Chlorotoluene	13.01	91	734587	50.417	ug/l	100
83) tert-Butylbenzene	13.23	119	812033	52.732	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	901308	50.604	ug/l	100
85) sec-Butylbenzene	13.41	105	1110614	52.548	ug/l	99
86) p-Isopropyltoluene	13.52	119	1055692	52.907	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	519006	51.087	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	503615	50.210	ug/l	100
89) n-Butylbenzene	13.85	91	952554	52.568	ug/l	99
90) Hexachloroethane	14.12	117	195184	52.299	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	429933	49.518	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28029	52.557	ug/l	91

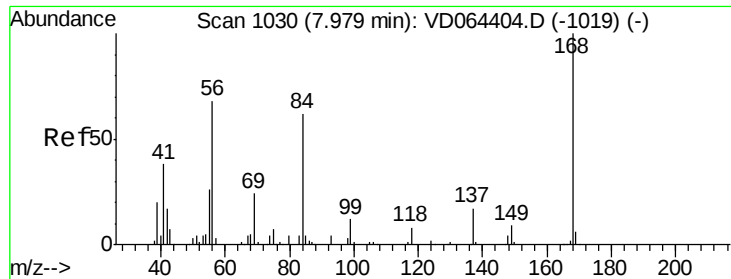
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121019\
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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	320969	48.271	ug/l	98
94) Hexachlorobutadiene	15.28	225	210424	51.262	ug/l	99
95) Naphthalene	15.41	128	519312	46.798	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	277085	48.818	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

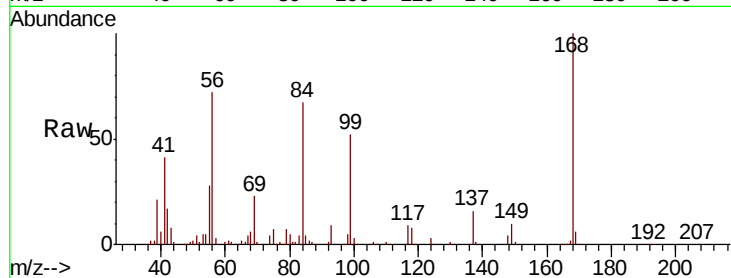
ClientSampleId :

Tot Ion:168 Resp: 475404

Ion Ratio Lower Upper

168 100

99 51.6 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

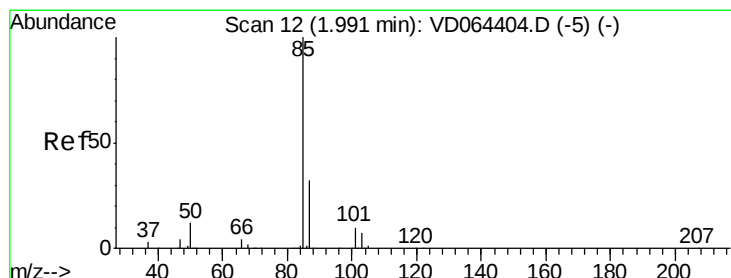
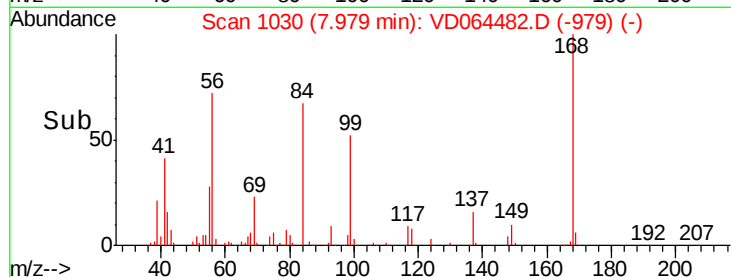
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.005 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064482.D

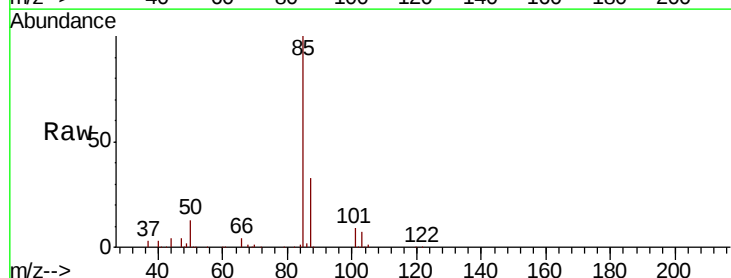
Acq: 10 Dec 2019 10:21

Tgt Ion: 85 Resp: 206786

Ion Ratio Lower Upper

85 100

87 32.6 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

150000

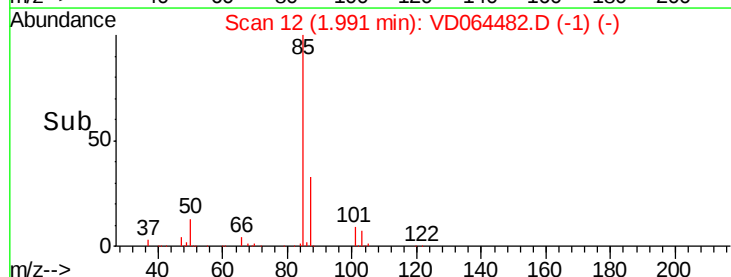
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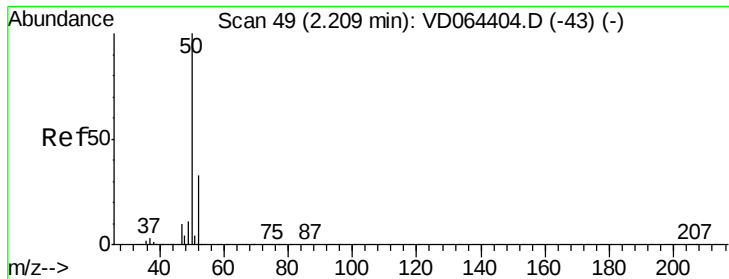
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 47.360 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

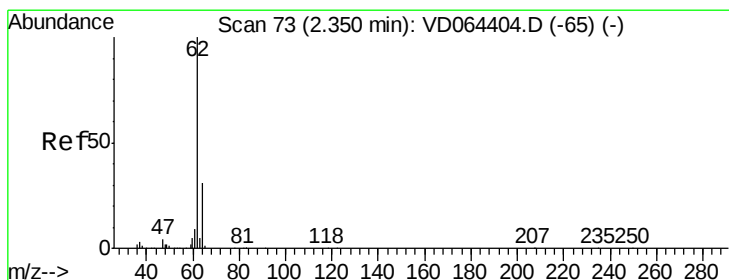
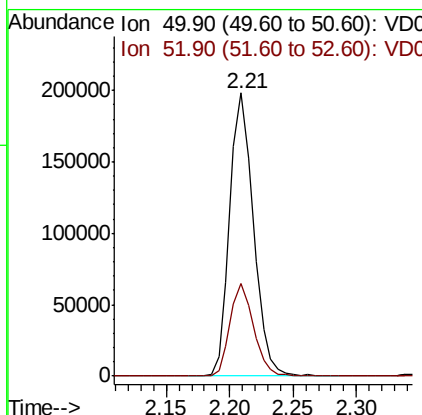
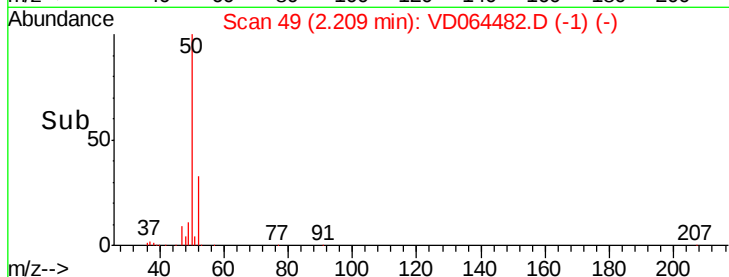
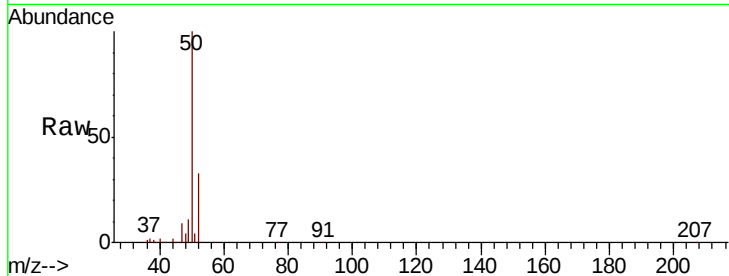
ClientSampleId :

Tot Ion: 50 Resp: 257312

Ion Ratio Lower Upper

50 100

52 32.8 26.7 40.1



#4

Vinyl Chloride

Concen: 50.506 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064482.D

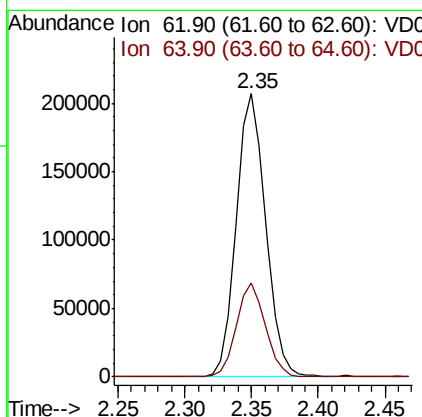
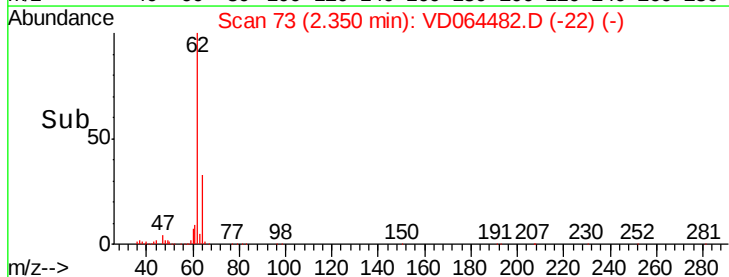
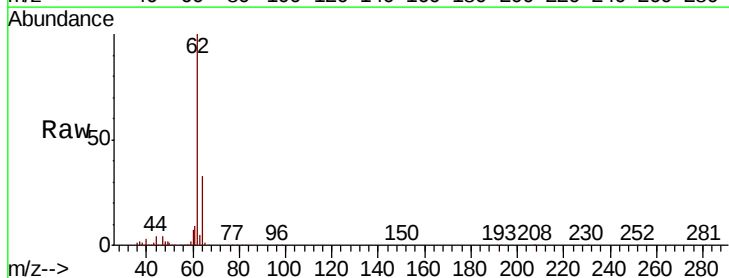
Acq: 10 Dec 2019 10:21

Tgt Ion: 62 Resp: 316832

Ion Ratio Lower Upper

62 100

64 33.2 25.0 37.4





#5

Bromomethane

Concen: 46.732 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

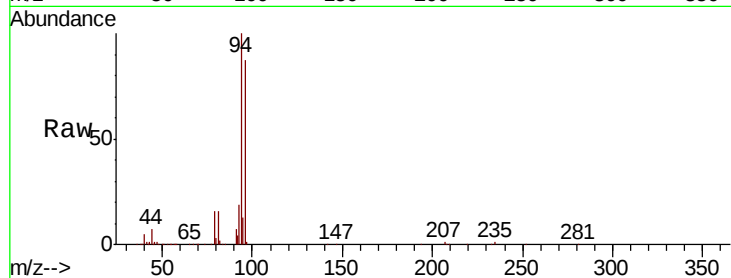
ClientSampleId :

Tot Ion: 94 Resp: 216792

Ion Ratio Lower Upper

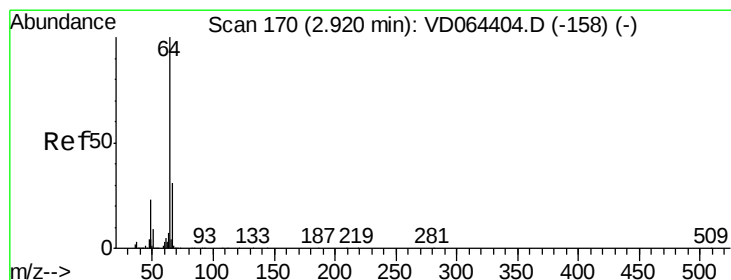
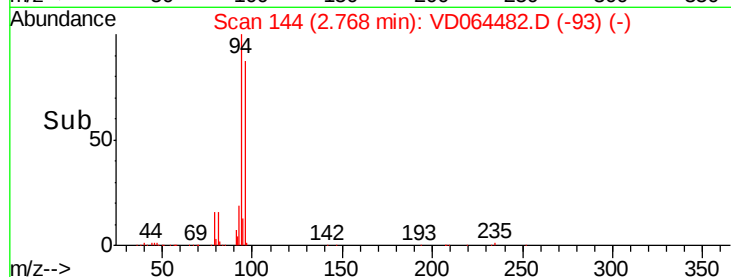
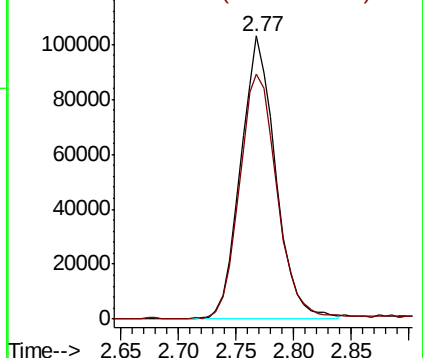
94 100

96 86.7 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: 50.829 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064482.D

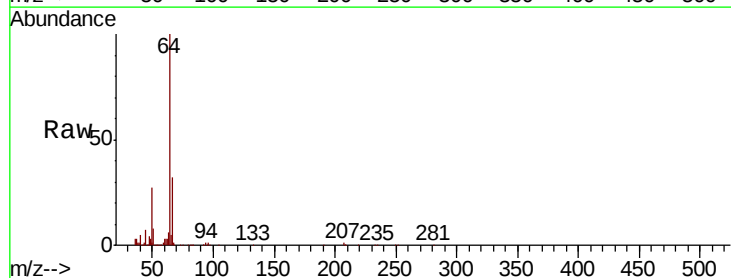
Acq: 10 Dec 2019 10:21

Tgt Ion: 64 Resp: 213123

Ion Ratio Lower Upper

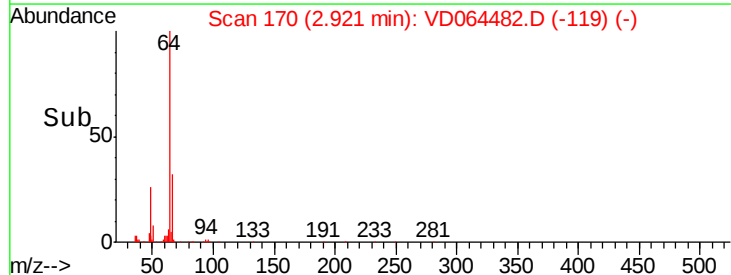
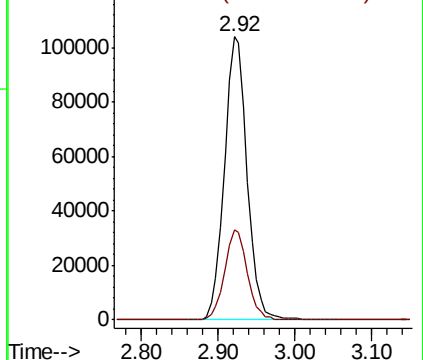
64 100

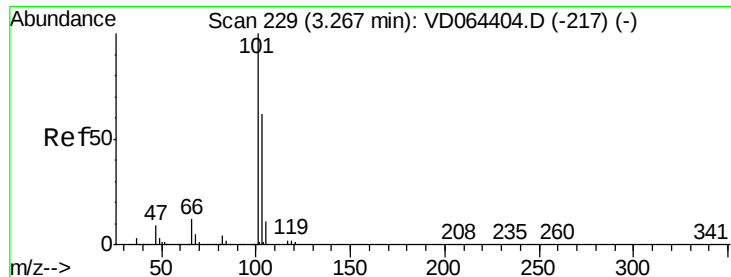
66 31.6 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



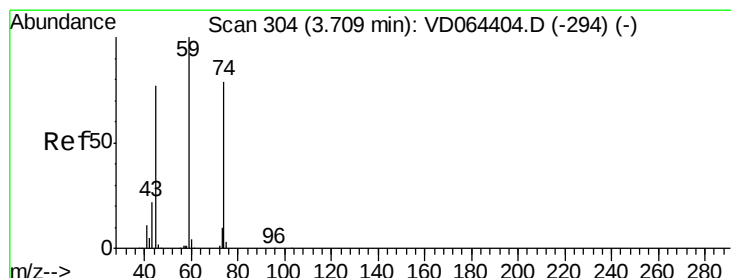
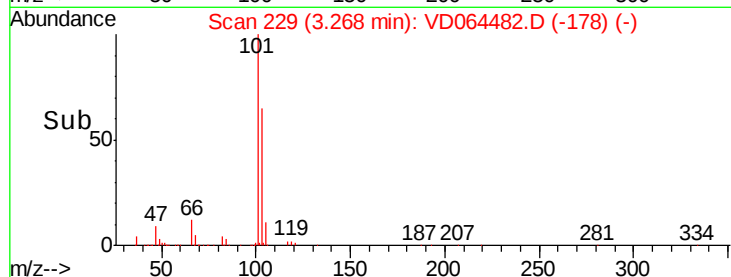
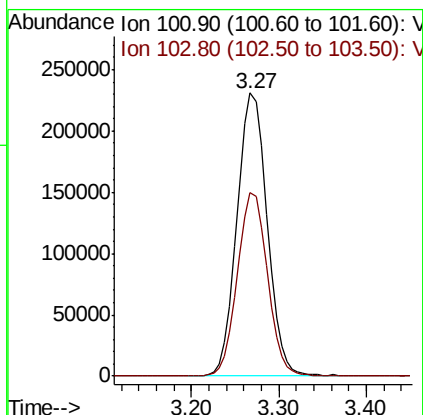
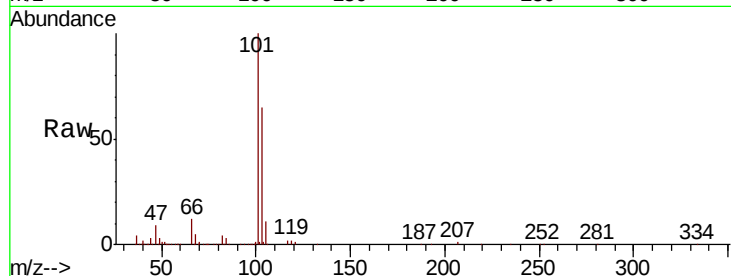


#7

Trichlorofluoromethane
 Concen: 51.848 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

Instrument :
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 ClientSampleId :

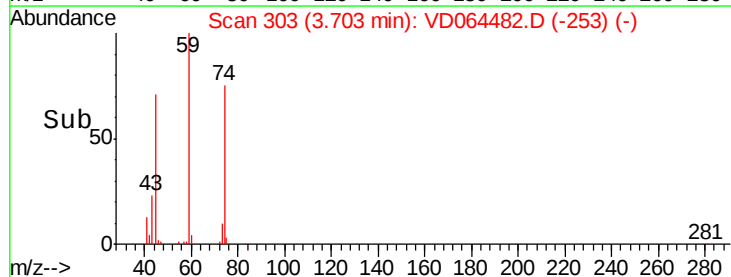
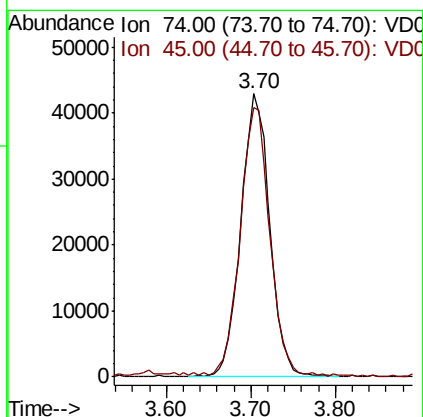
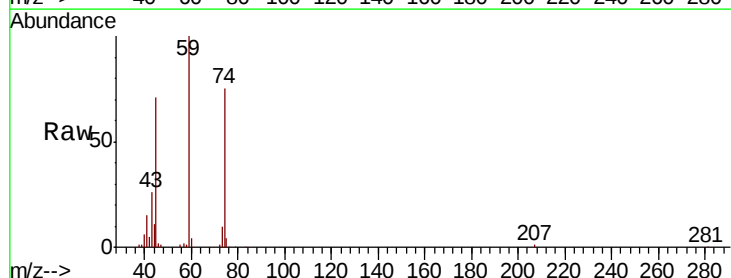
Tot Ion:101 Resp: 540702
 Ion Ratio Lower Upper
 101 100
 103 64.8 49.8 74.6

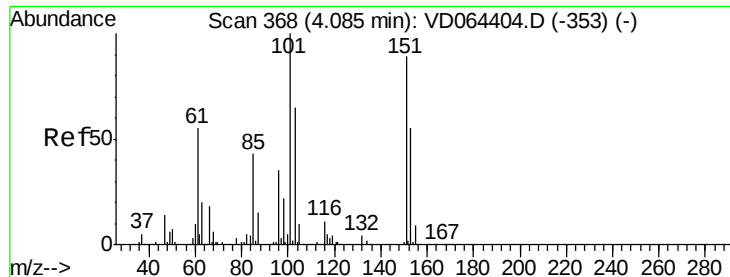


#8

Diethyl Ether
 Concen: 47.015 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

Tgt Ion: 74 Resp: 101884
 Ion Ratio Lower Upper
 74 100
 45 95.4 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.806 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064482.D

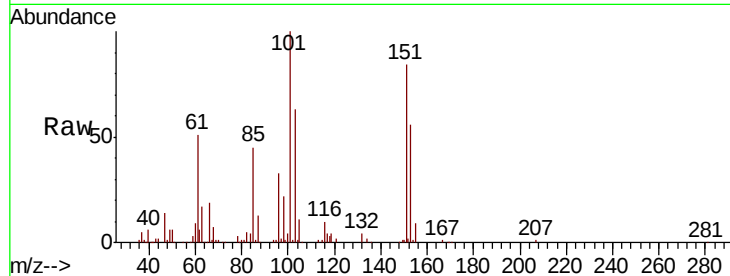
Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

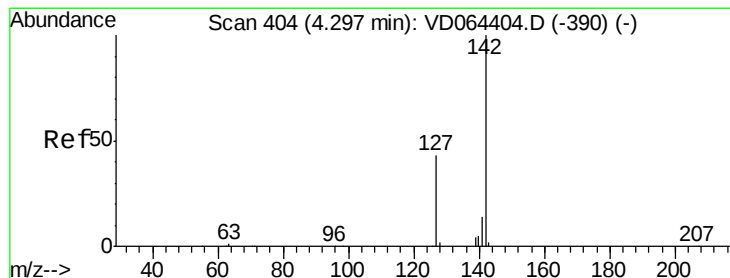
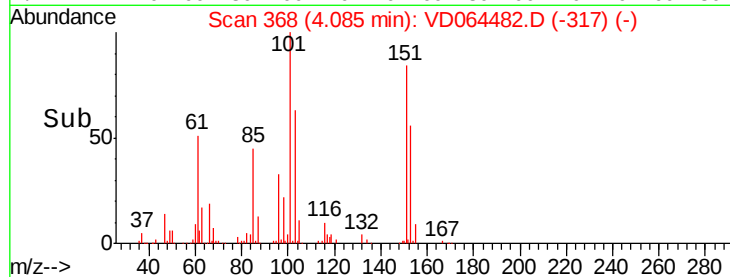
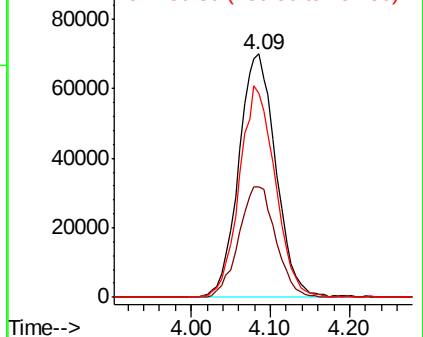
Tot Ion:101	Resp:	227177
Ion Ratio	Lower	Upper
101	100	
85	45.3	34.8 52.2
151	83.8	68.8 103.2



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: 54.317 ug/l

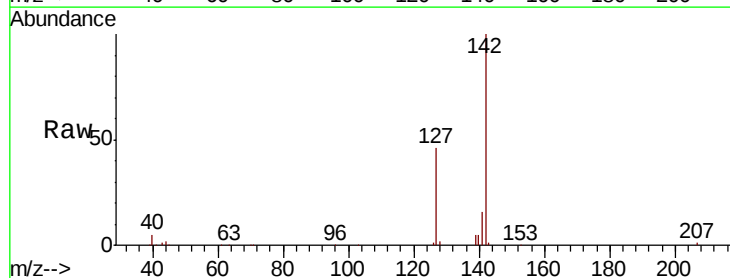
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

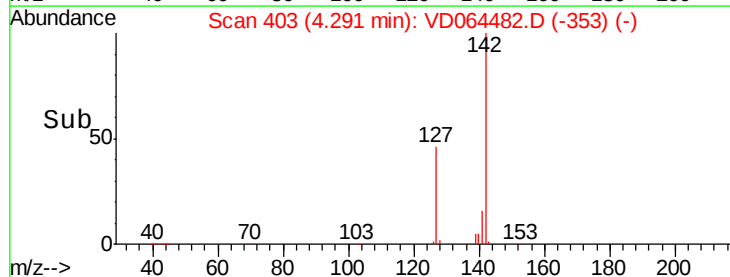
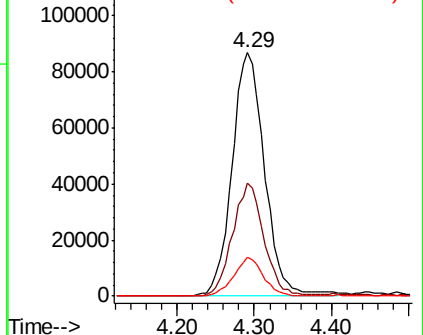
Tgt Ion:142	Resp:	256484
Ion Ratio	Lower	Upper
142	100	
127	44.6	35.3 52.9
141	14.7	11.6 17.4

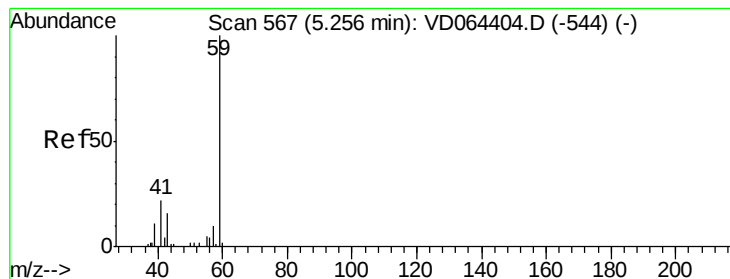


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



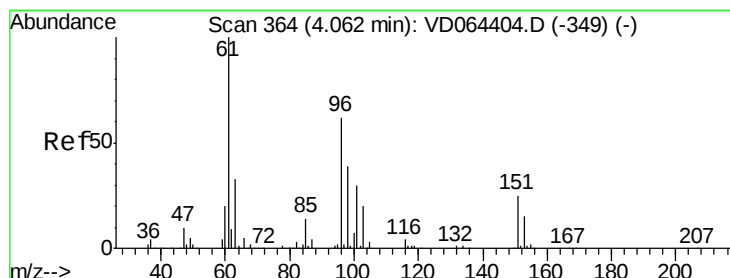
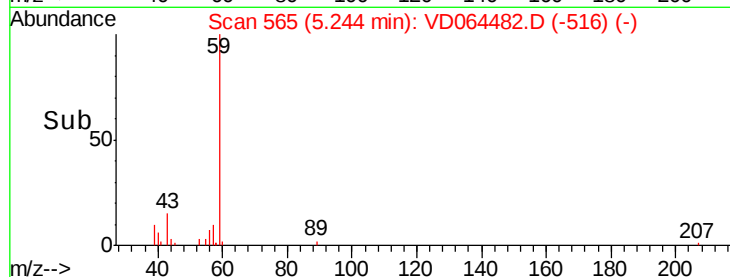
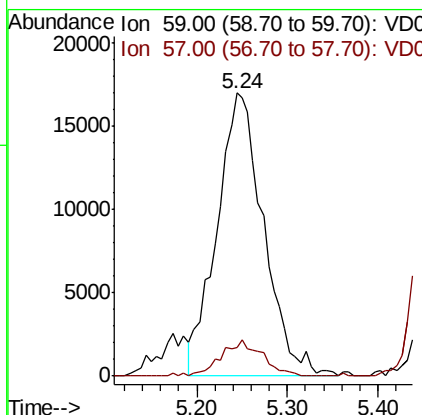
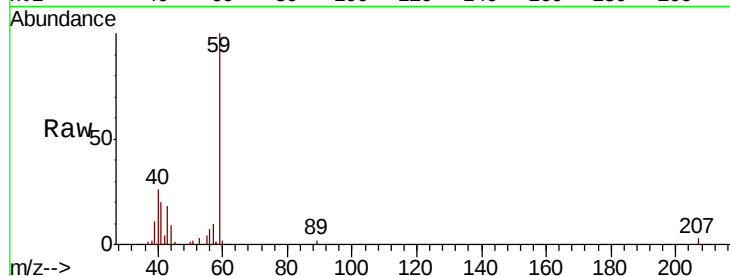


#11

Tert butyl alcohol
Concen: 221.927 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :

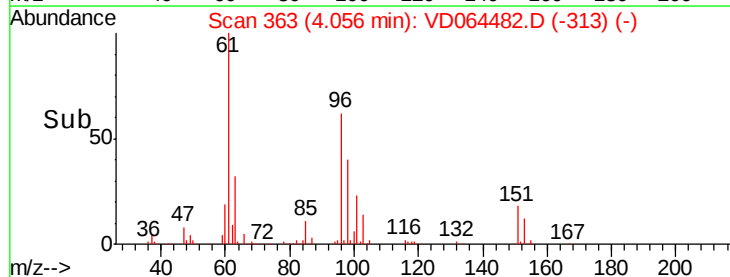
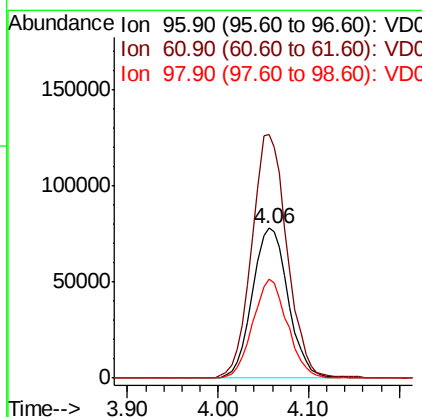
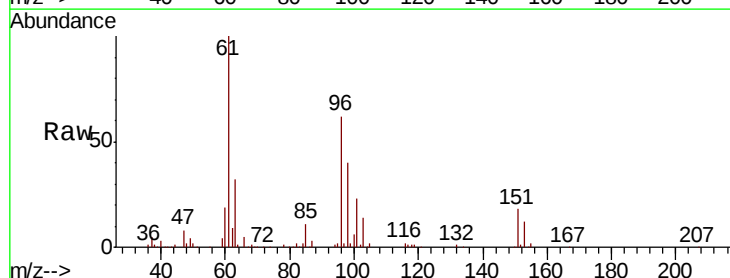
Tot Ion: 59 Resp: 60789
Ion Ratio Lower Upper
59 100
57 11.0 0.0 0.0#

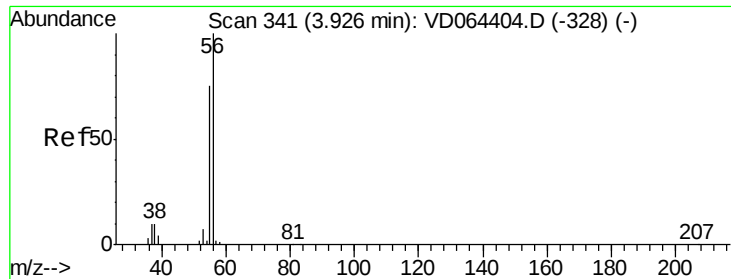


#12

1,1-Dichloroethene
Concen: 50.158 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Tgt Ion: 96 Resp: 214930
Ion Ratio Lower Upper
96 100
61 162.2 128.2 192.4
98 65.6 50.4 75.6





#13

Acrolein

Concen: 263.526 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

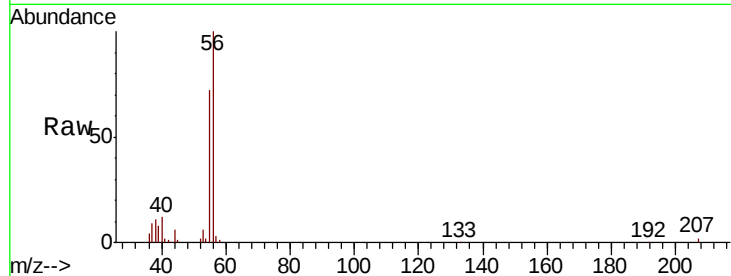
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 98457

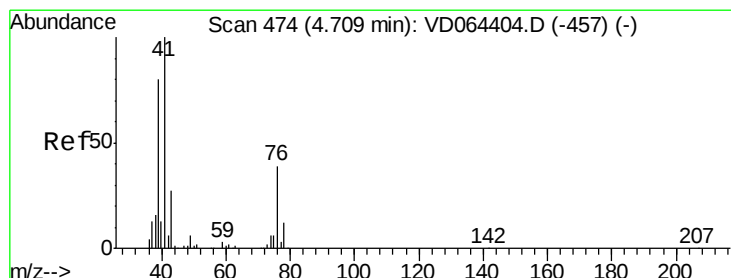
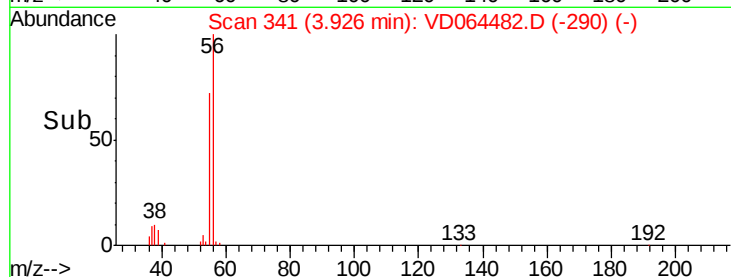
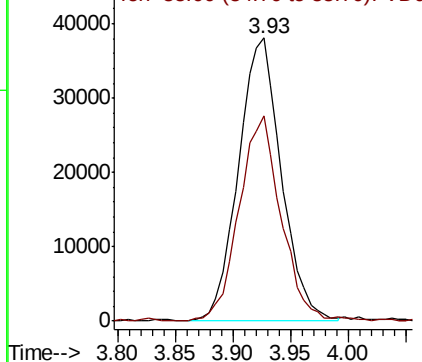
Ion Ratio Lower Upper

56 100

55 70.3 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.679 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

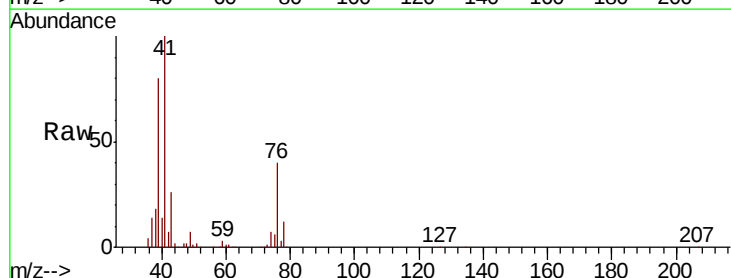
Tgt Ion: 41 Resp: 345594

Ion Ratio Lower Upper

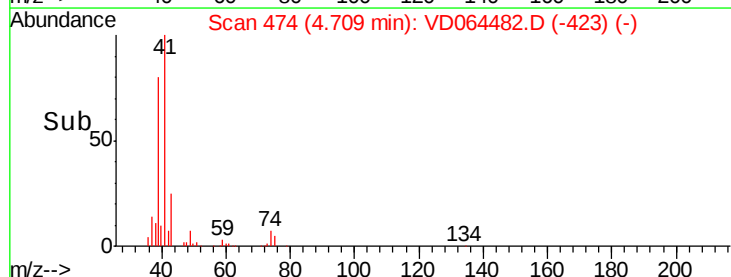
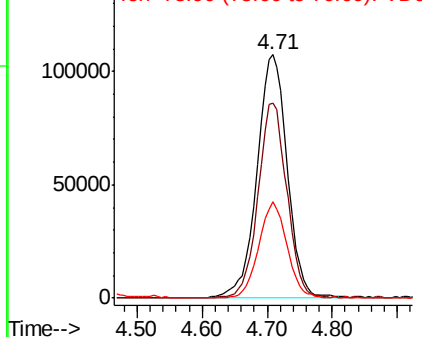
41 100

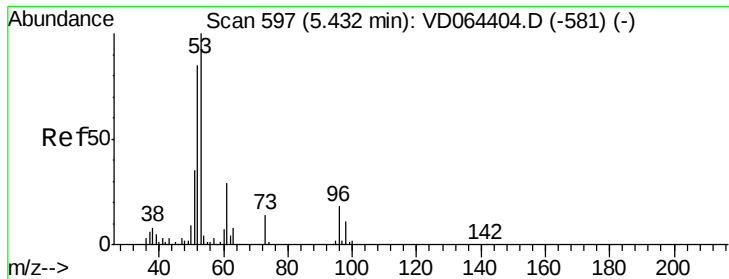
39 76.4 62.1 93.1

76 36.5 29.8 44.8



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 235.297 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

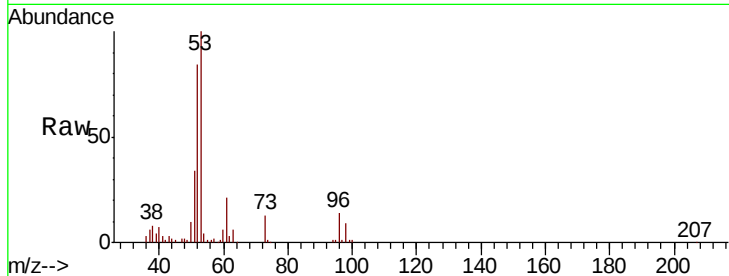
Tot Ion: 53 Resp: 222975

Ion Ratio Lower Upper

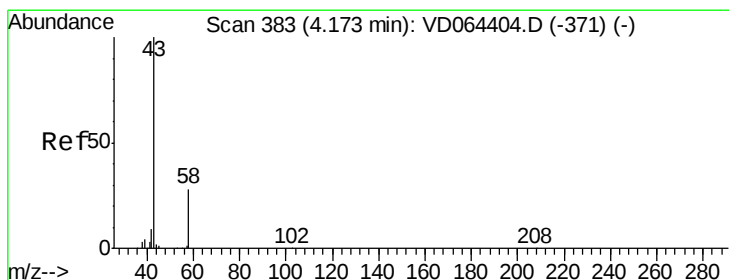
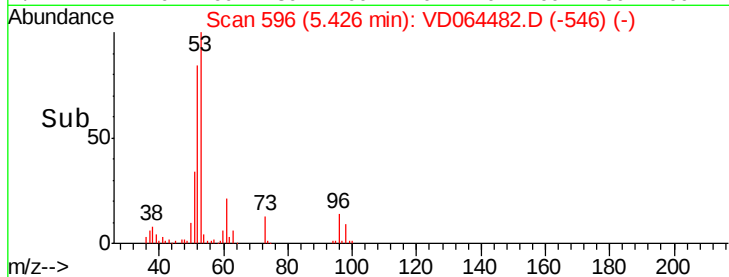
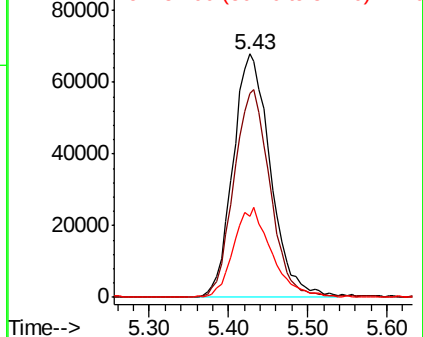
53 100

52 83.0 67.9 101.9

51 37.5 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: 292.673 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064482.D

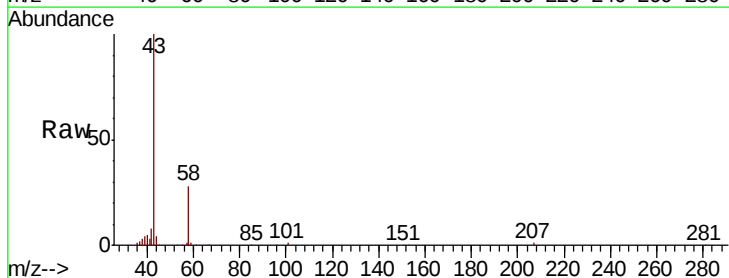
Acq: 10 Dec 2019 10:21

Tgt Ion: 43 Resp: 254500

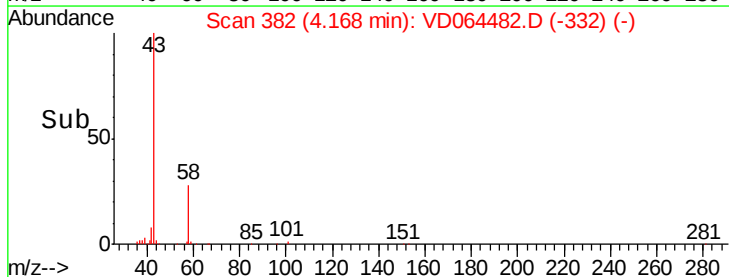
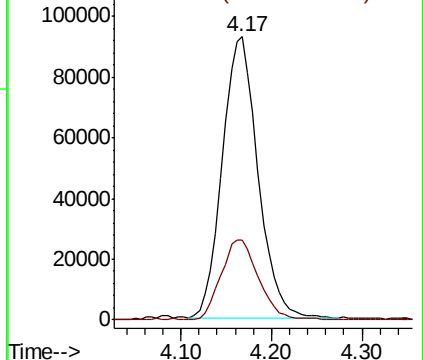
Ion Ratio Lower Upper

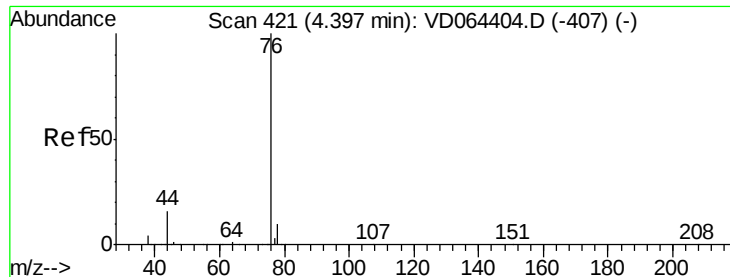
43 100

58 28.0 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: 50.050 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

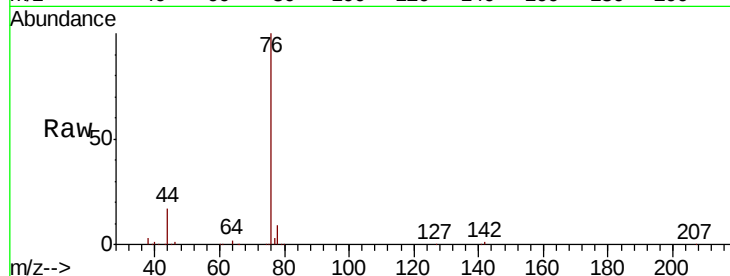
ClientSampled :

Tot Ion: 76 Resp: 679253

Ion Ratio Lower Upper

76 100

78 9.0 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

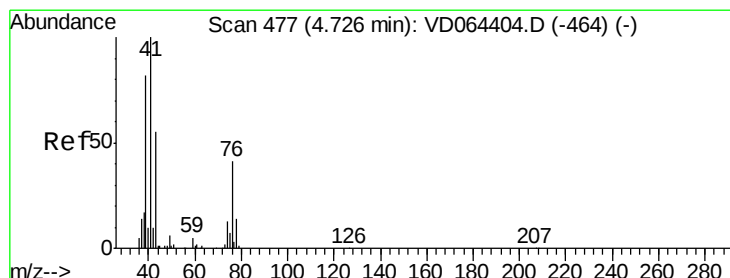
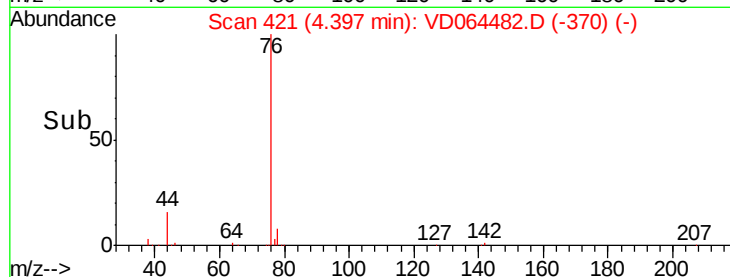
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 44.332 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064482.D

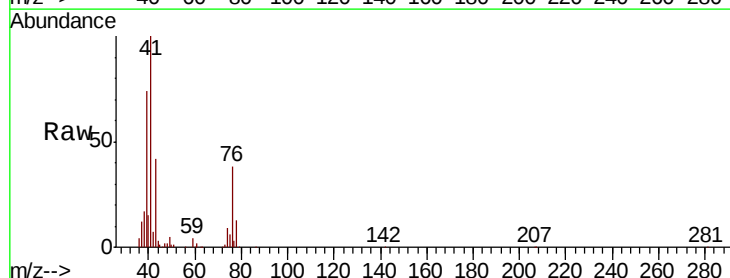
Acq: 10 Dec 2019 10:21

Tgt Ion: 43 Resp: 112446

Ion Ratio Lower Upper

43 100

74 25.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

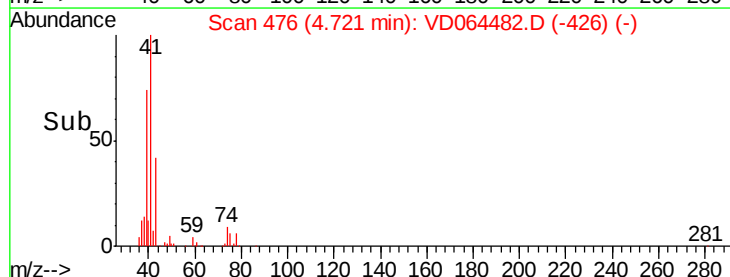
30000

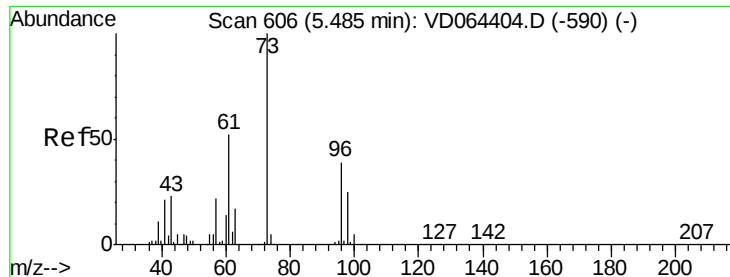
20000

10000

0

Time-->

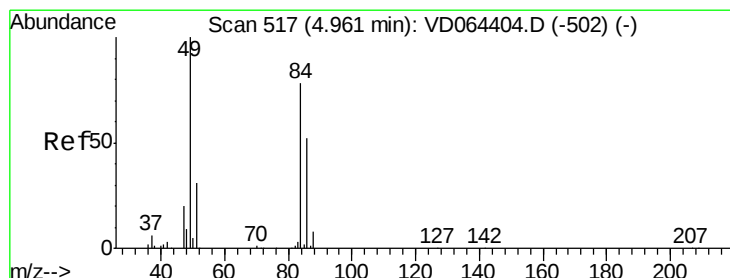
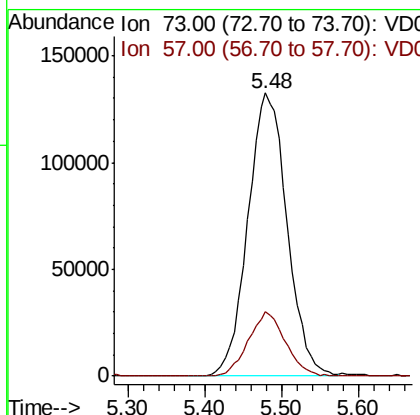
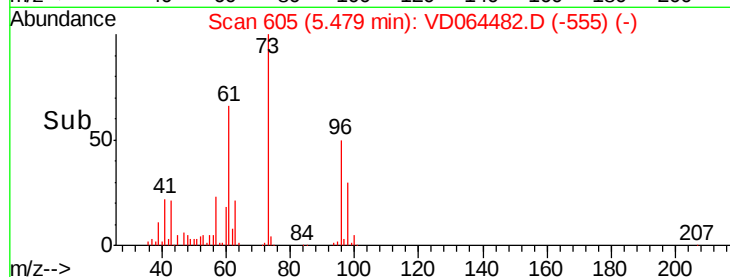
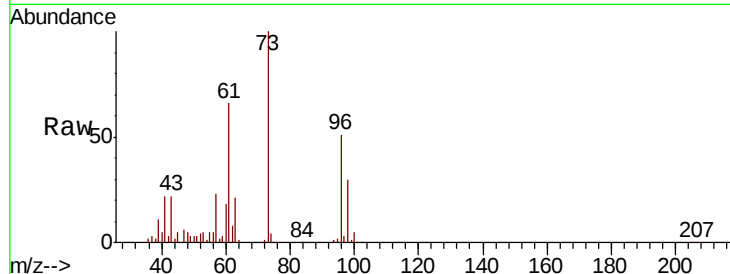




#19
Methvl tert-butvl Ether
Concen: 47.931 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

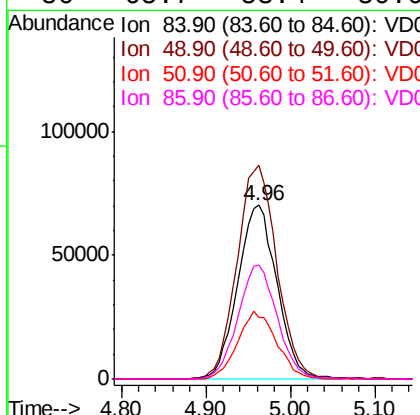
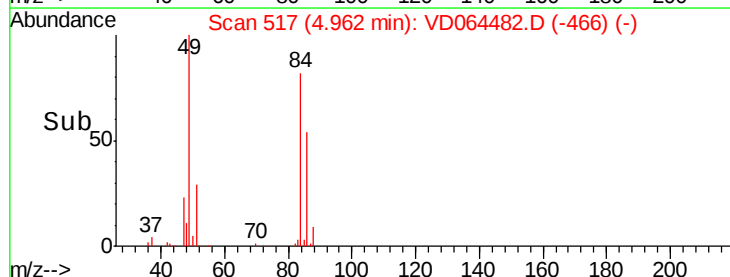
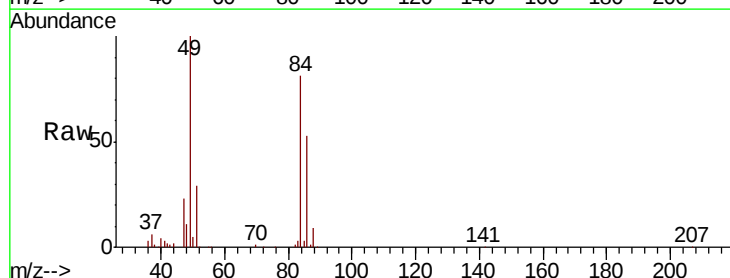
Instrument :
MSVOA_D
ClientSampleId :

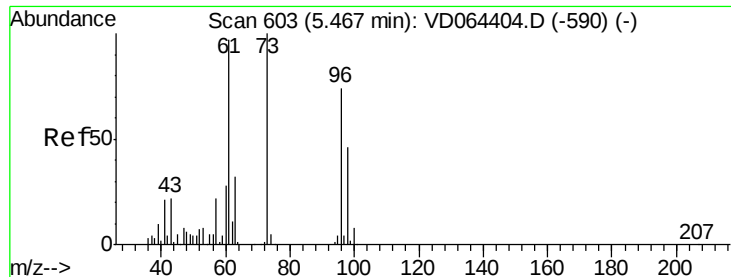
Tot Ion: 73 Resp: 471124
Ion Ratio Lower Upper
73 100
57 22.9 17.6 26.4



#20
Methylene Chloride
Concen: 51.239 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Tgt Ion: 84 Resp: 225903
Ion Ratio Lower Upper
84 100
49 123.0 102.6 153.8
51 35.4 32.0 48.0
86 65.7 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 49.919 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

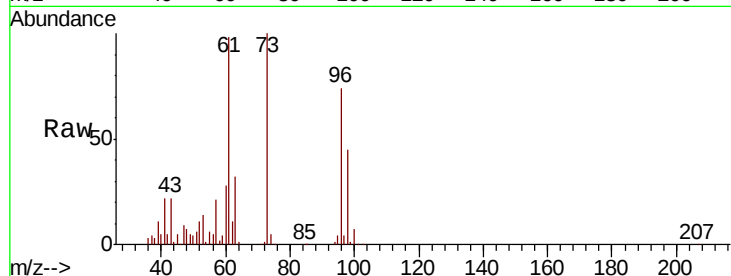
Tot Ion: 96 Resp: 241958

Ion Ratio Lower Upper

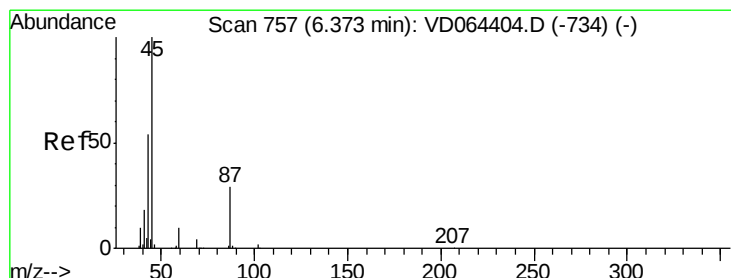
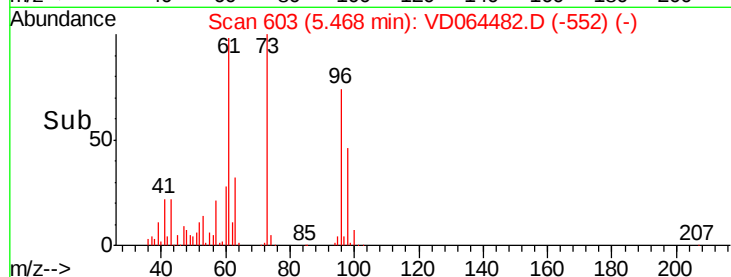
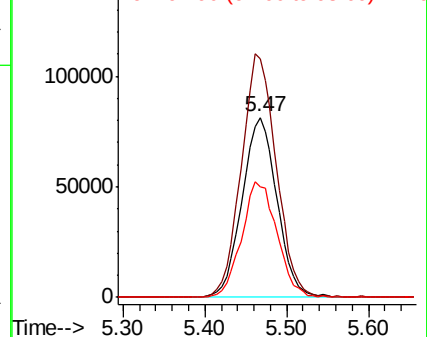
96 100

61 132.2 105.8 158.6

98 61.5 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: 50.196 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Tgt Ion: 45 Resp: 662670

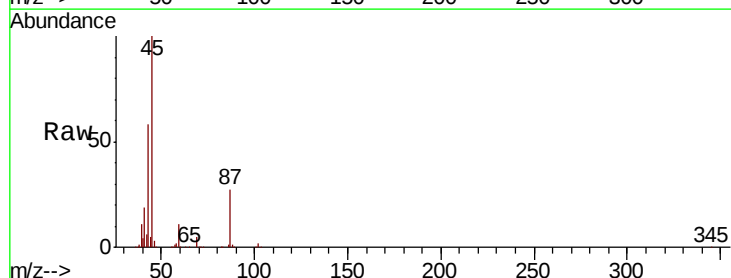
Ion Ratio Lower Upper

45 100

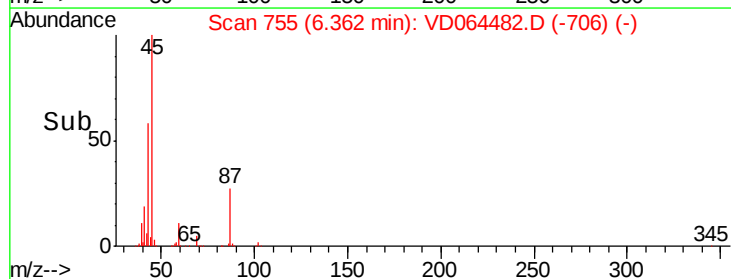
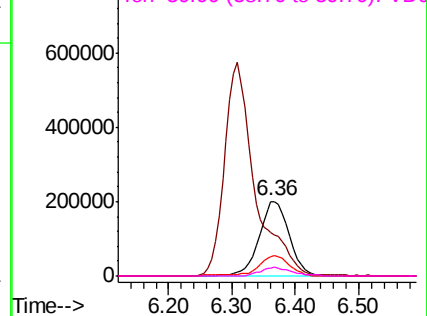
43 58.1 43.1 64.7

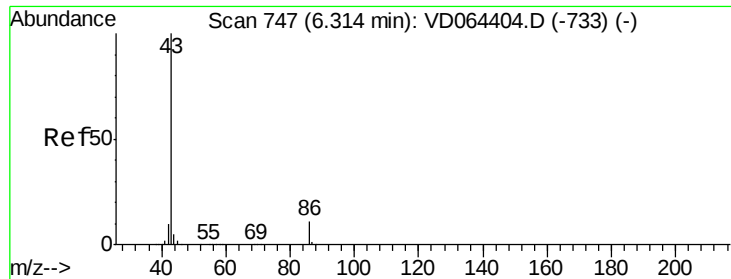
87 26.5 23.5 35.3

59 10.5 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: 246.838 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

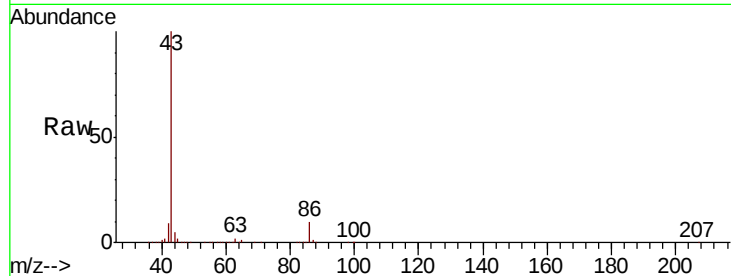
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1921110

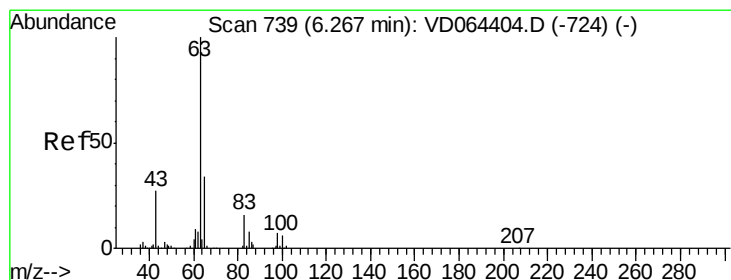
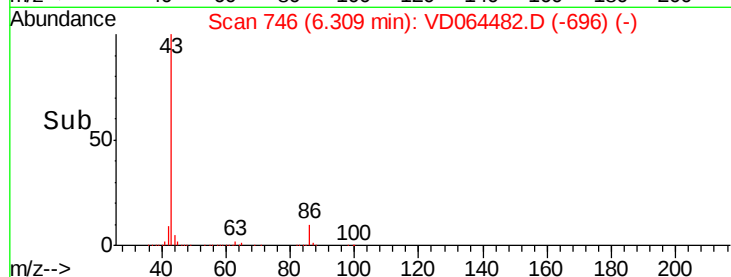
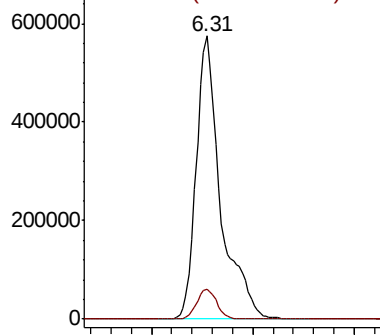
Ion Ratio Lower Upper

43 100

86 10.4 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.881 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

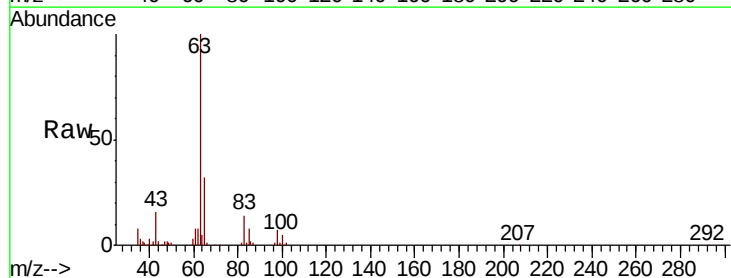
Tgt Ion: 63 Resp: 403964

Ion Ratio Lower Upper

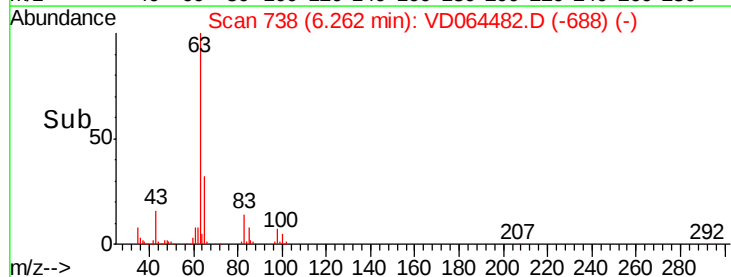
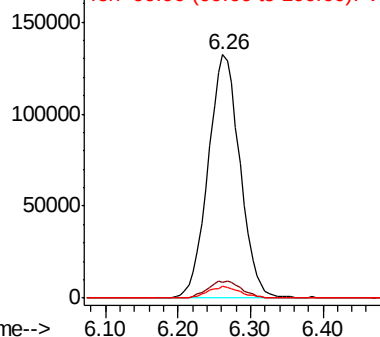
63 100

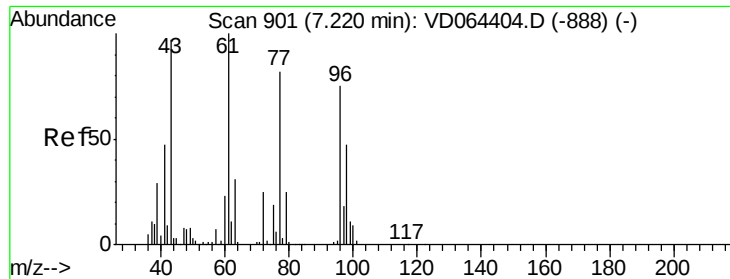
98 6.5 3.6 10.9

100 4.7 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 97.90 (97.60 to 98.60): VDC
Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 243.450 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

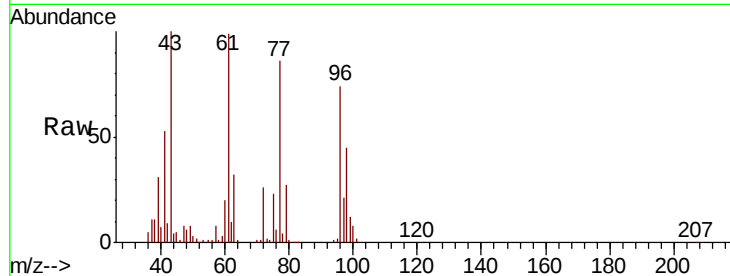
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 299383

Ion Ratio Lower Upper

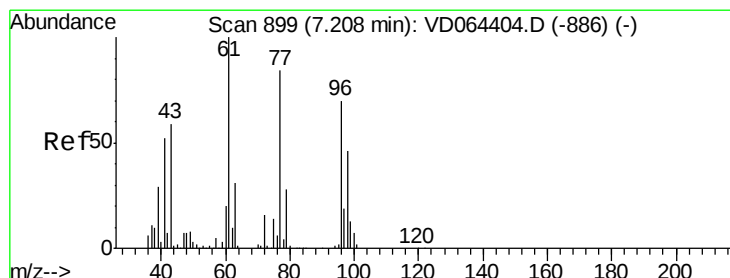
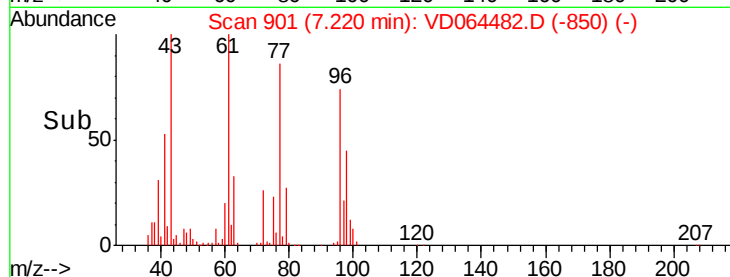
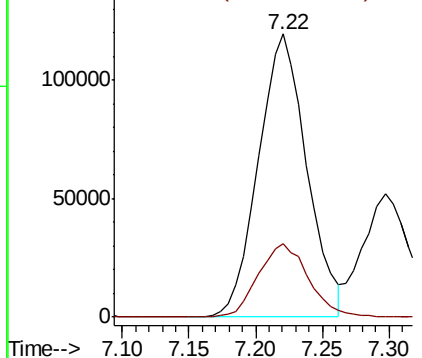
43 100

72 26.0 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: 54.489 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064482.D

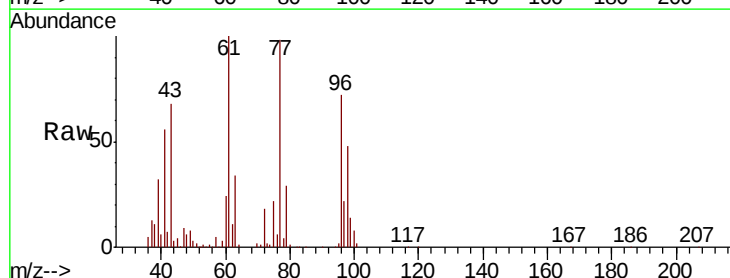
Acq: 10 Dec 2019 10:21

Tgt Ion: 77 Resp: 376220

Ion Ratio Lower Upper

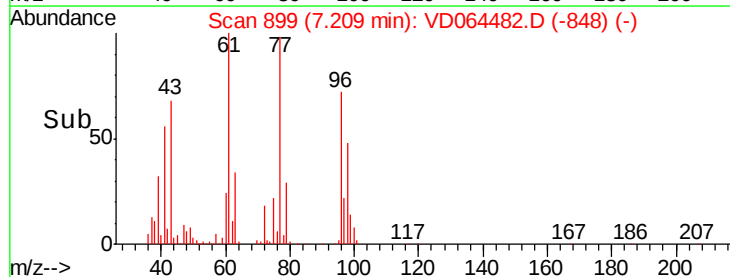
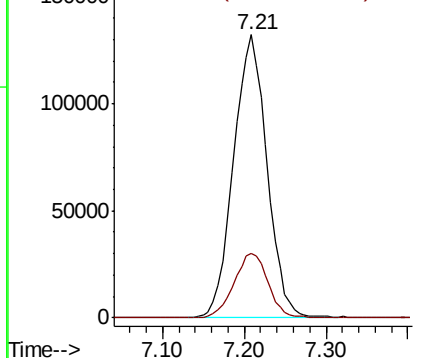
77 100

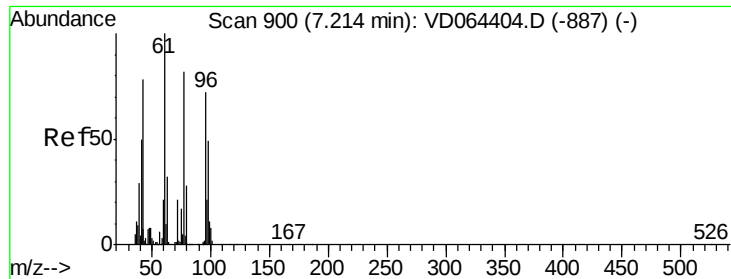
97 23.1 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



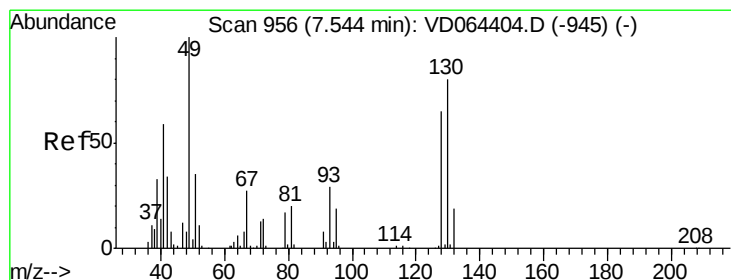
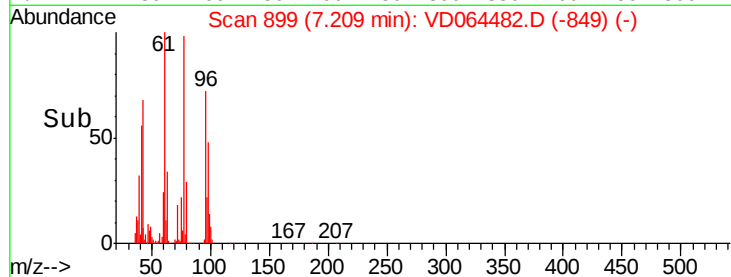
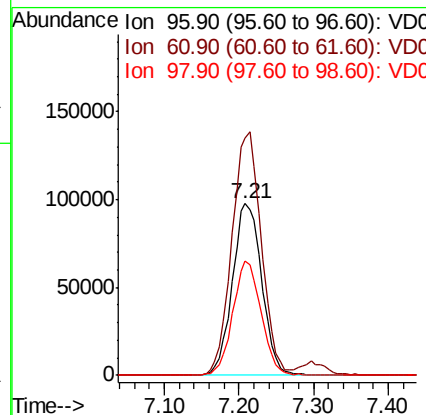
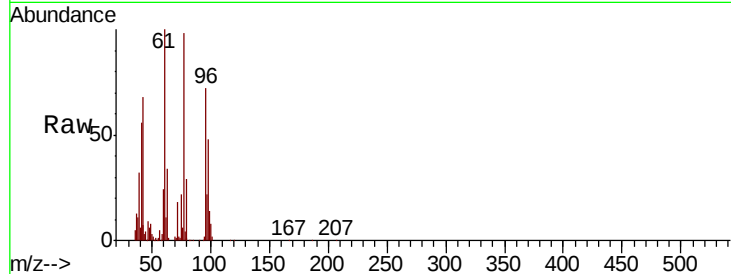


#27

cis-1,2-Dichloroethene
Concen: 50.563 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :

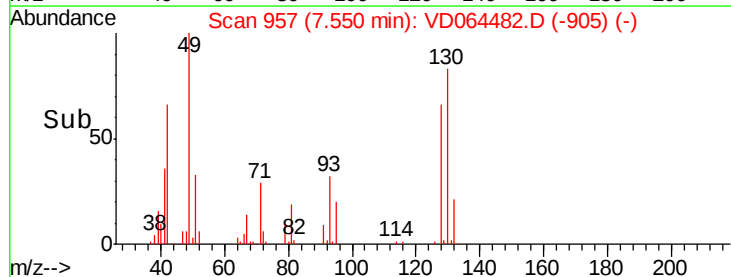
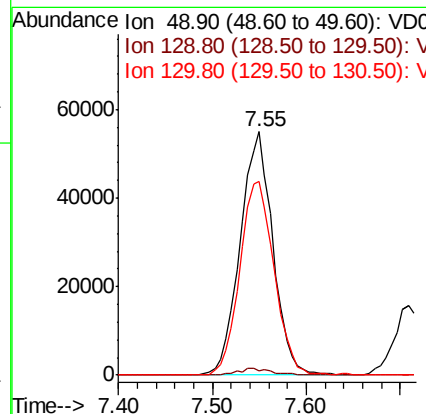
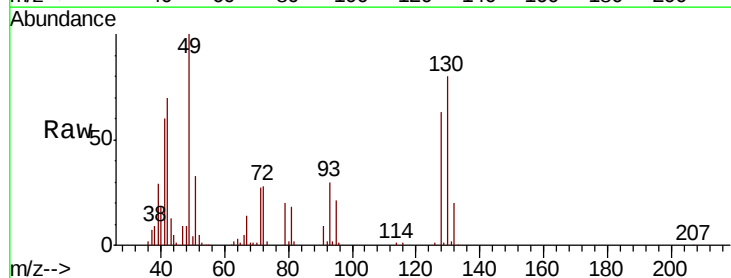
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	279.6
98	64.3	0.0	129.2

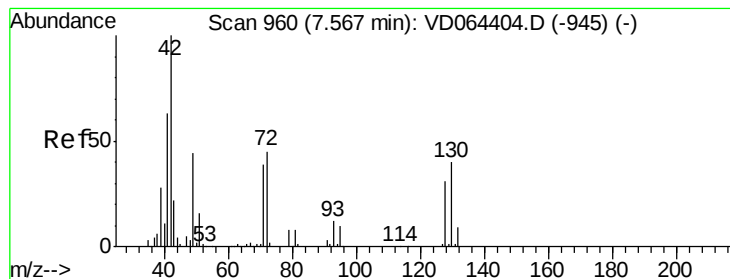


#28

Bromochloromethane
Concen: 48.763 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.4
130	83.9	67.4	101.0





#29

Tetrahydrofuran

Concen: 227.970 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :

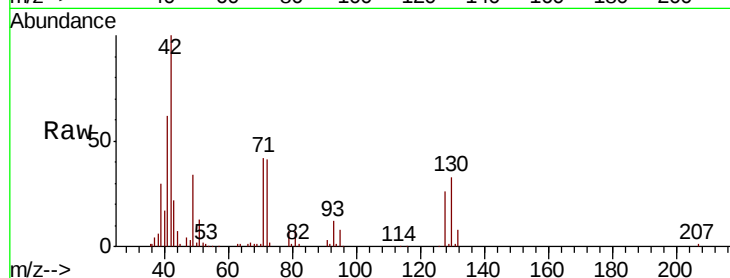
Tot Ion: 42 Resp: 178363

Ion Ratio Lower Upper

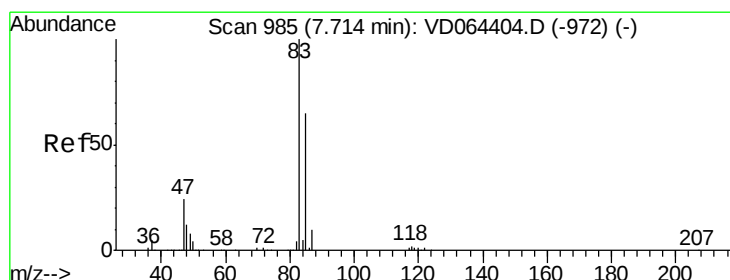
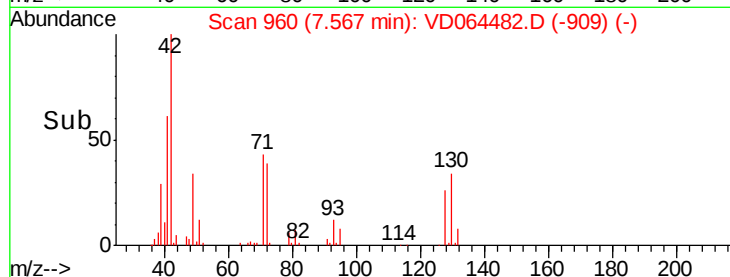
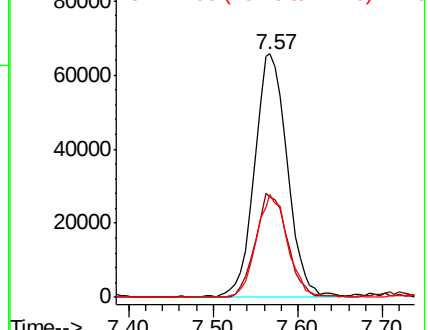
42 100

72 41.8 35.8 53.8

71 40.4 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: 50.040 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064482.D

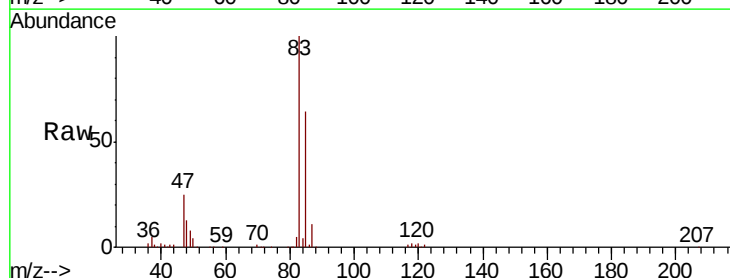
Acq: 10 Dec 2019 10:21

Tgt Ion: 83 Resp: 411446

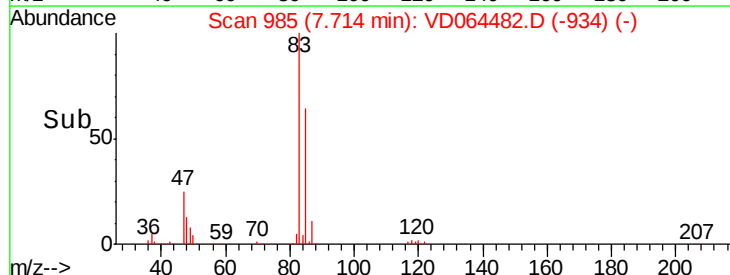
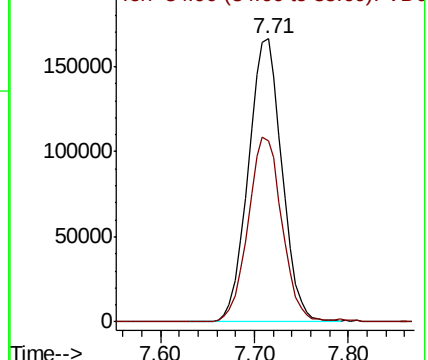
Ion Ratio Lower Upper

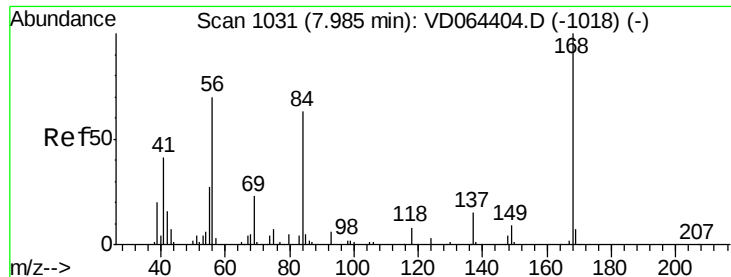
83 100

85 64.1 51.8 77.6



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

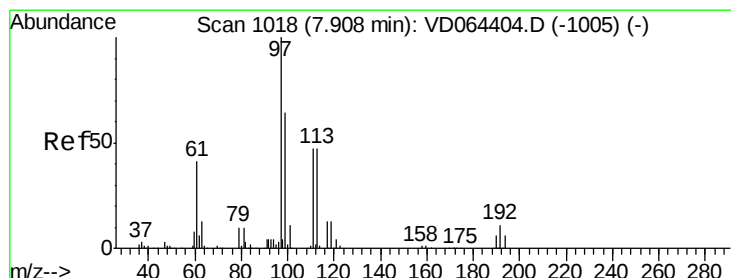
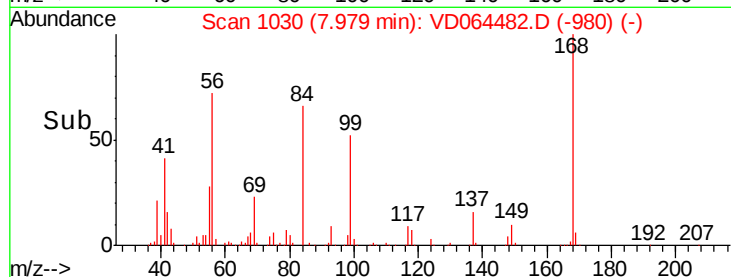
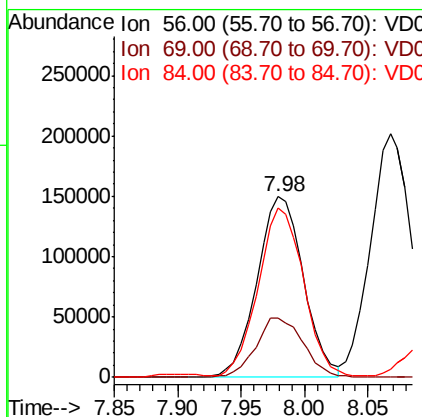
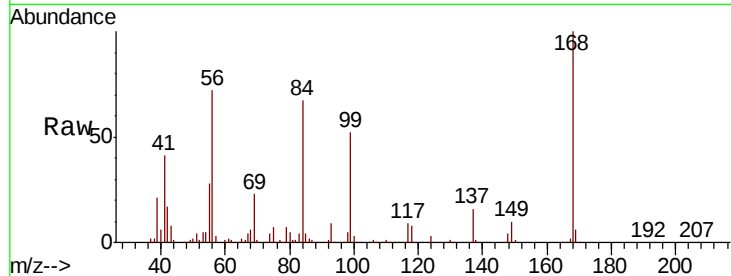




#31
Cyclohexane
Concen: 55.665 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

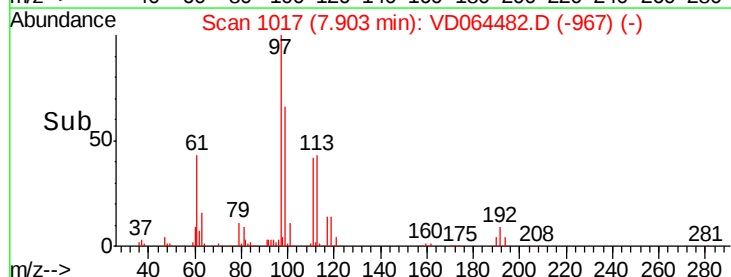
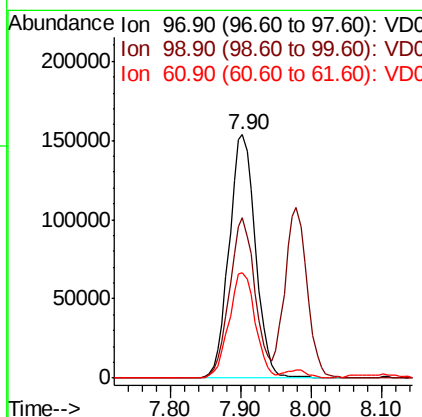
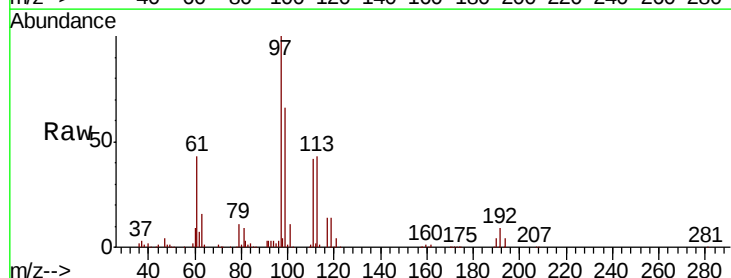
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 382242
Ion Ratio Lower Upper
56 100
69 32.6 26.2 39.4
84 91.9 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 52.144 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Tgt Ion: 97 Resp: 397498
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 43.1 35.0 52.4





#33

1,2-Dichloroethane-d4

Concen: 49.403 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

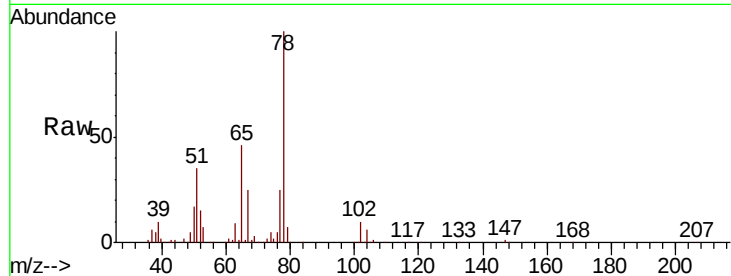
ClientSampleId :

Tot Ion: 65 Resp: 212587

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

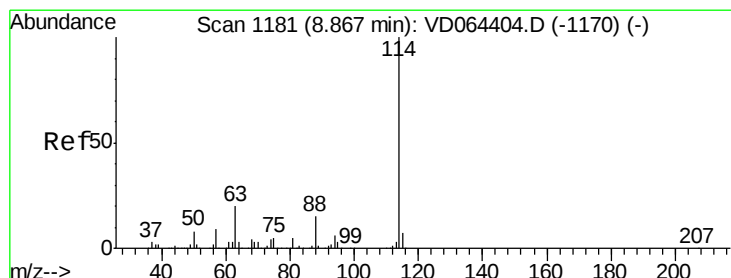
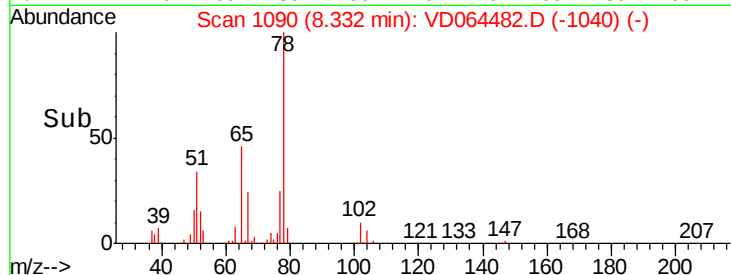
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

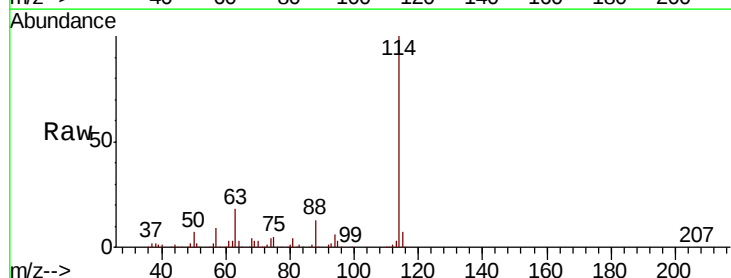
Tgt Ion: 114 Resp: 681389

Ion Ratio Lower Upper

114 100

63 18.4 0.0 40.0

88 13.3 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

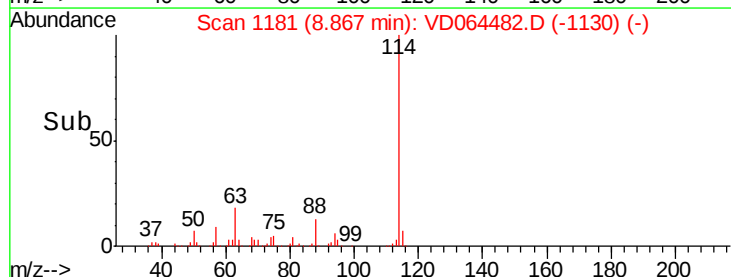
300000

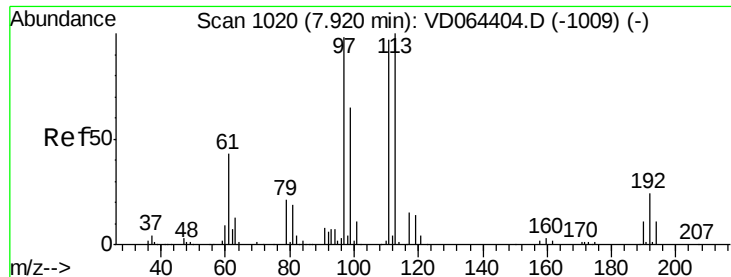
200000

100000

0

Time--> 8.80 8.90 9.00

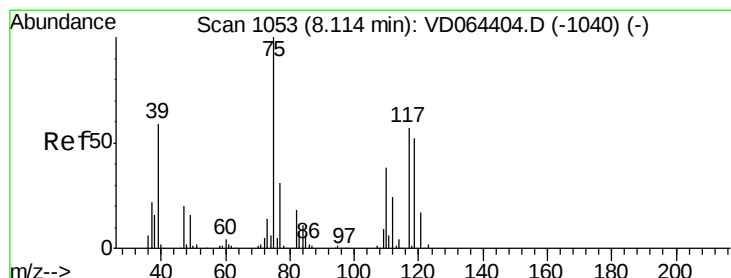
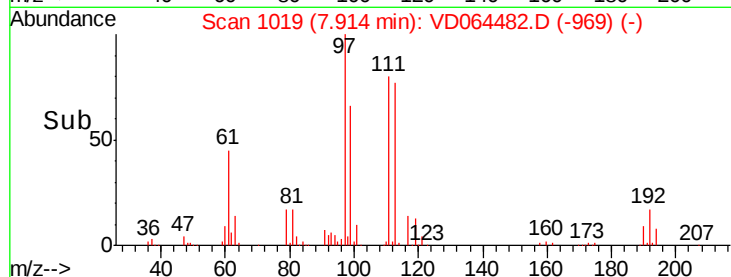
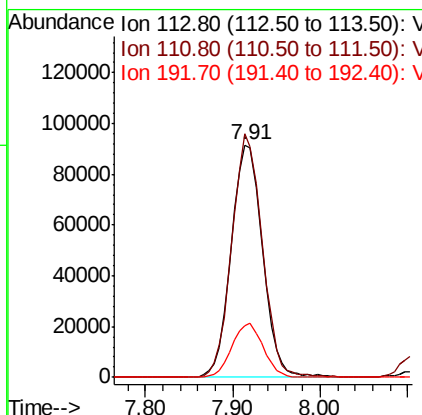
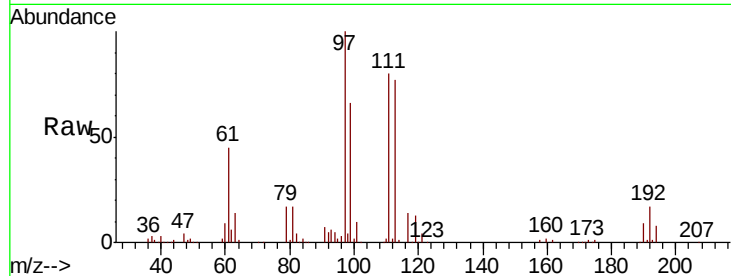




#35
 Dibromofluoromethane
 Concen: 51.867 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

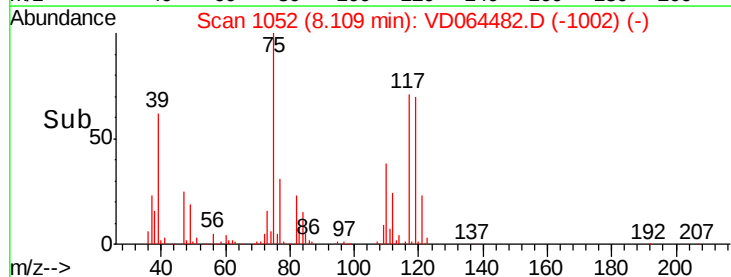
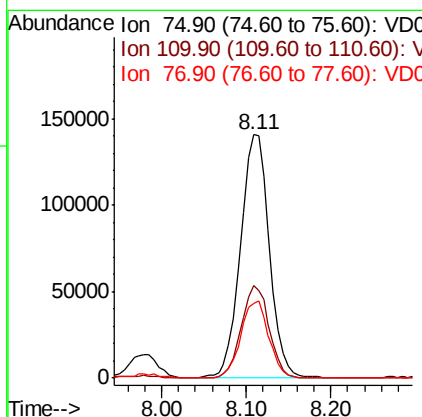
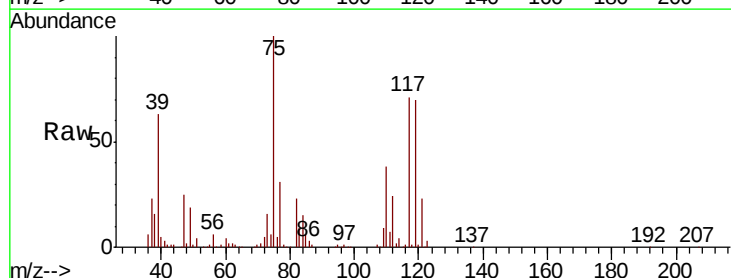
Instrument :
 MSVOA_D
 ClientSampleId :

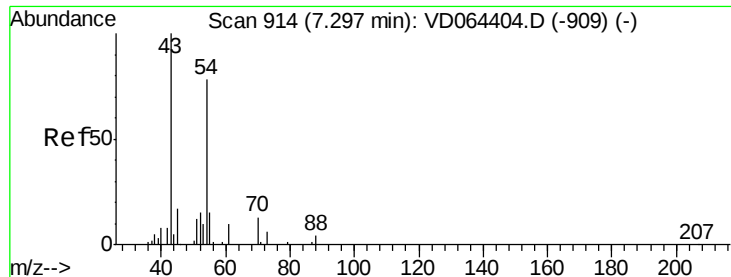
Tot Ion:113 Resp: 222670
 Ion Ratio Lower Upper
 113 100
 111 101.4 79.4 119.2
 192 23.1 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 51.789 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

Tgt Ion: 75 Resp: 333782
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.6 55.8
 77 31.1 25.0 37.4

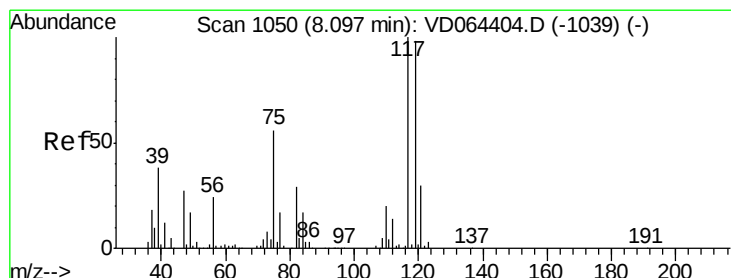
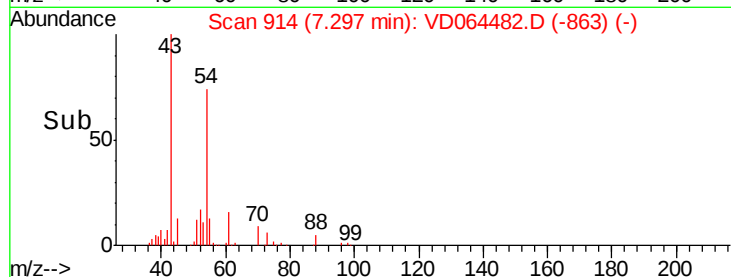
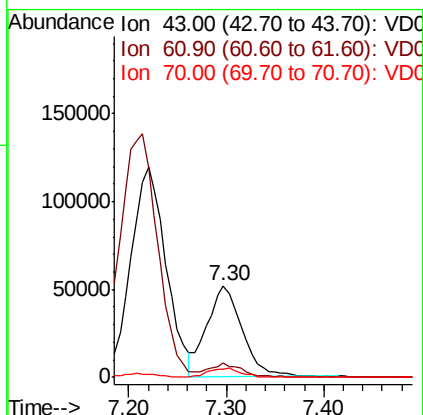
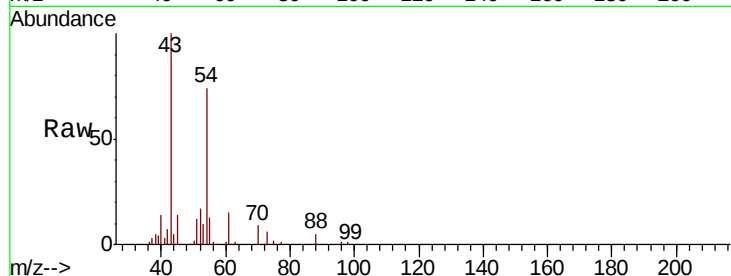




#37
Ethyl Acetate
Concen: 47.220 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

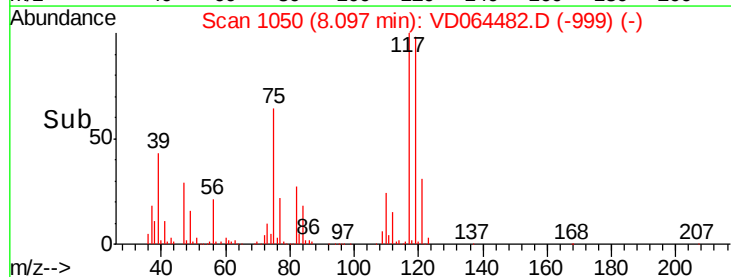
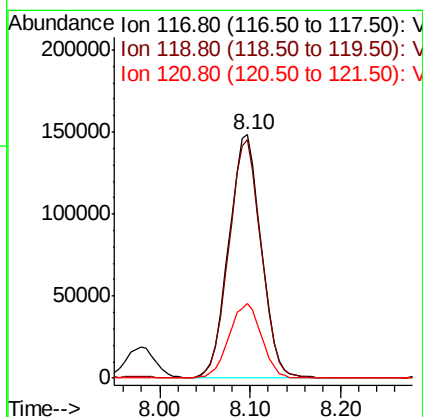
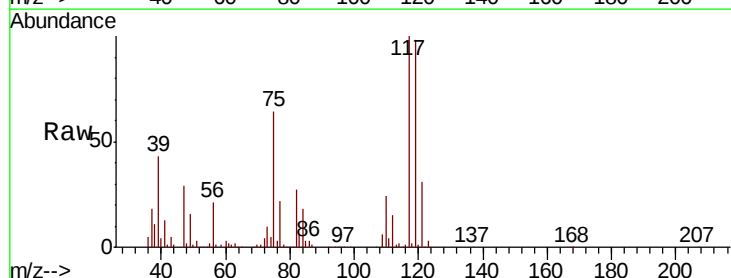
Instrument :
MSVOA_D
ClientSampleId :

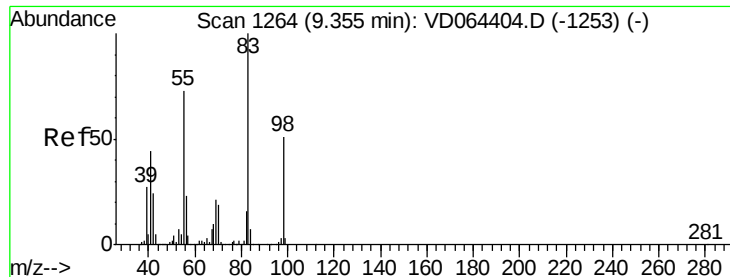
Tot Ion: 43 Resp: 129135
Ion Ratio Lower Upper
43 100
61 12.7 10.9 16.3
70 9.7 8.3 12.5



#38
Carbon Tetrachloride
Concen: 53.910 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Tgt Ion: 117 Resp: 366704
Ion Ratio Lower Upper
117 100
119 98.1 78.8 118.2
121 30.9 24.2 36.2

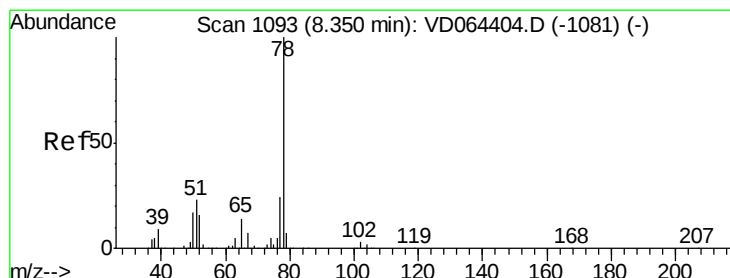
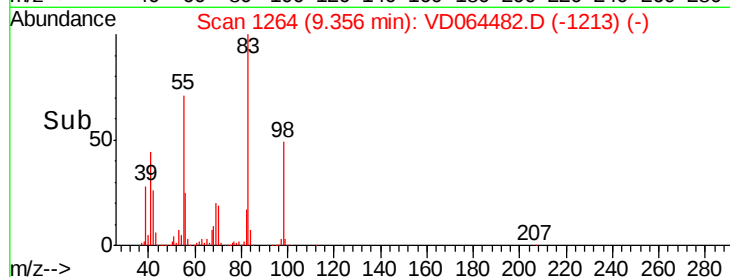
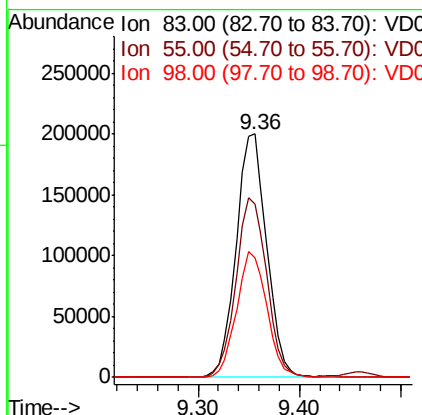
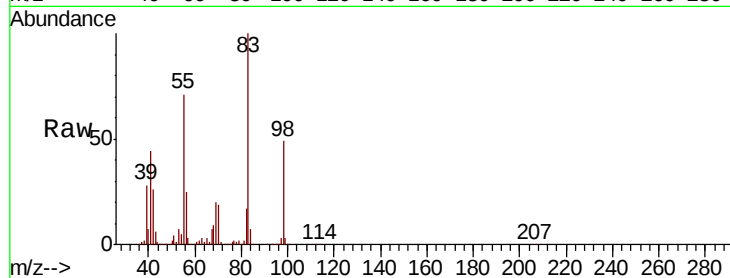




#39
Methvlcvclohexane
Concen: 52.528 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

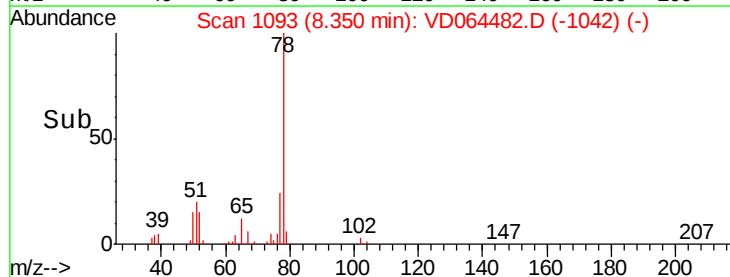
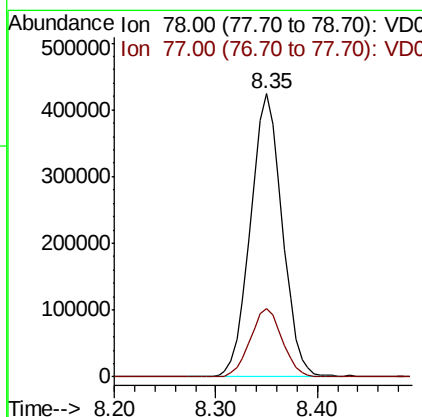
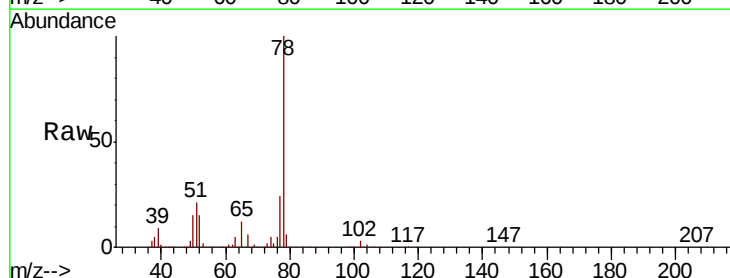
Instrument :
MSVOA_D
ClientSampled :

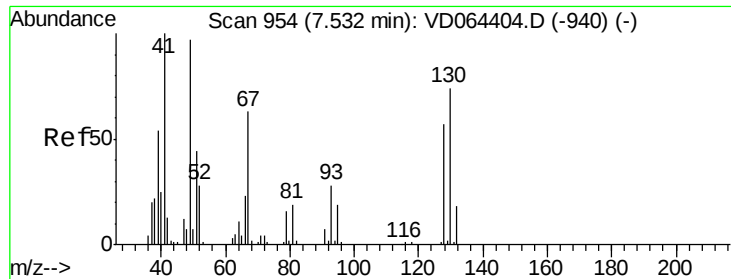
Tot Ion: 83 Resp: 419951
Ion Ratio Lower Upper
83 100
55 71.4 58.6 87.8
98 48.9 40.9 61.3



#40
Benzene
Concen: 51.508 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Tgt Ion: 78 Resp: 922015
Ion Ratio Lower Upper
78 100
77 24.2 19.6 29.4

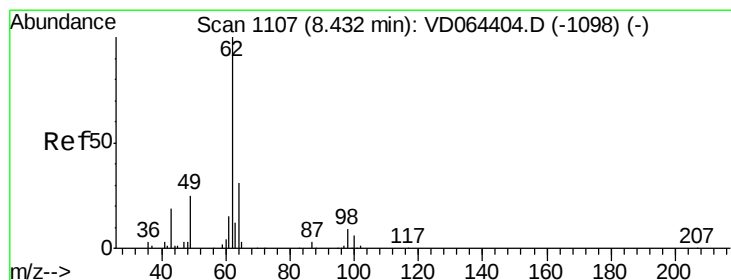
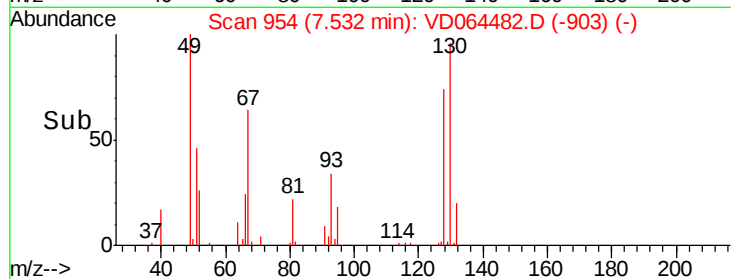
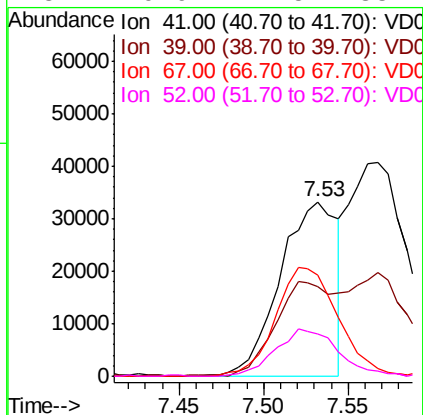
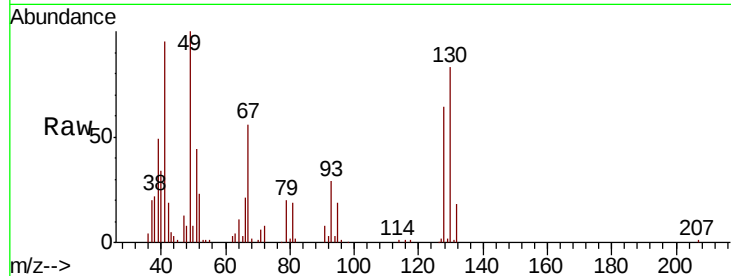




#41
Methacrylonitrile
Concen: 49.880 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

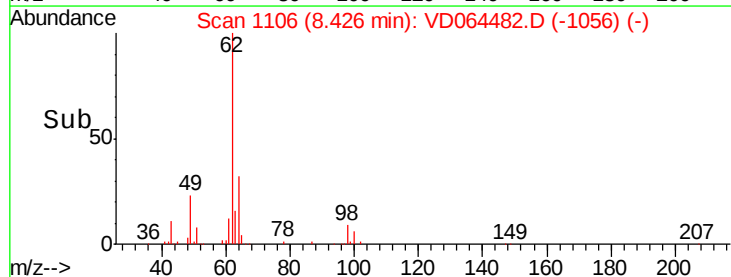
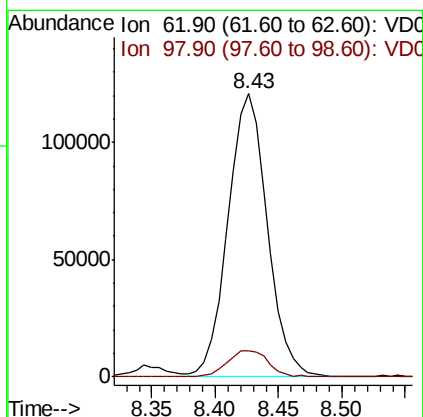
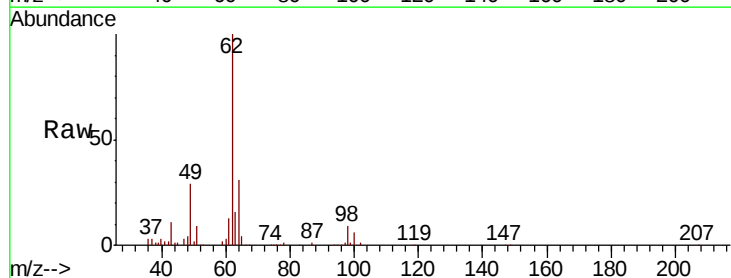
Instrument :
MSVOA_D
ClientSampled :

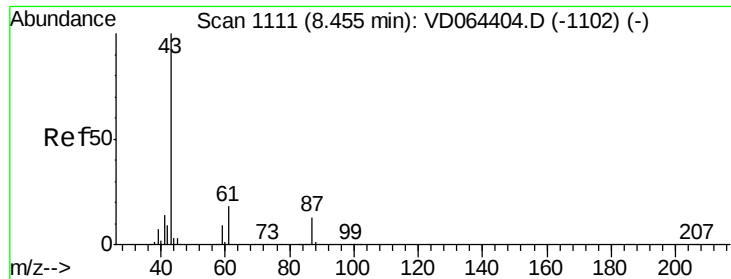
Tot Ion:	41	Resp:	78229
Ion	Ratio	Lower	Upper
41	100		
39	49.0	44.6	67.0
67	68.6	50.9	76.3
52	29.9	22.5	33.7



#42
1,2-Dichloroethane
Concen: 49.368 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Tgt Ion:	62	Resp:	257715
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.6

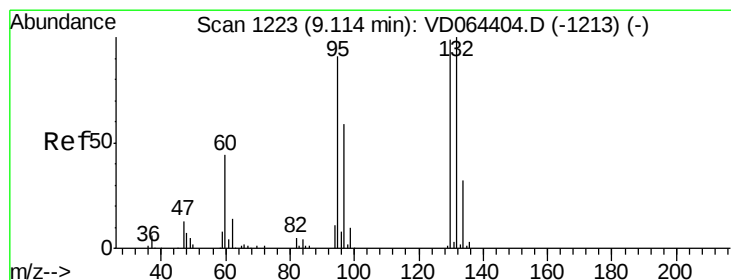
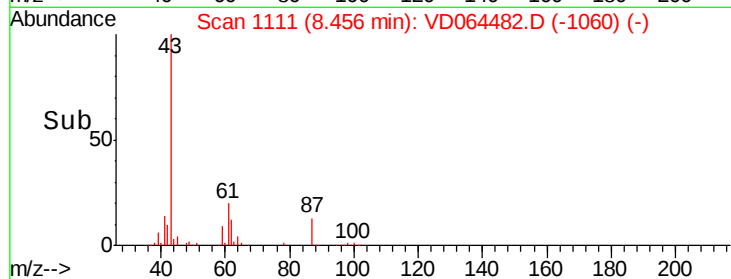
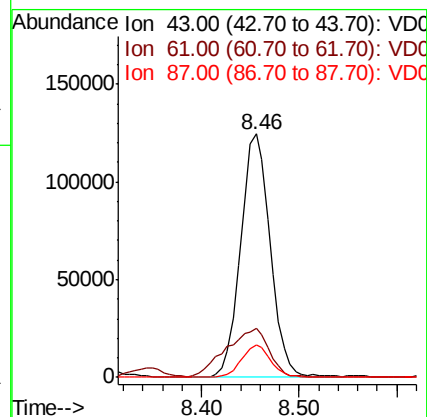
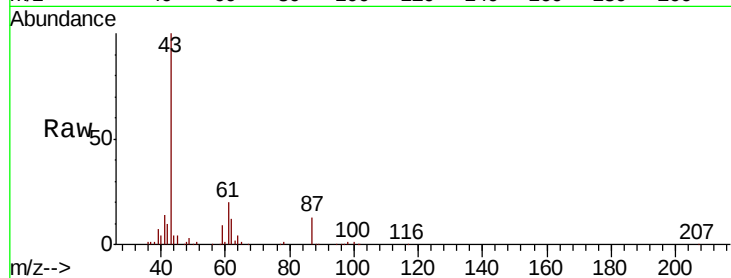




#43
Isopropyl Acetate
Concen: 49.166 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

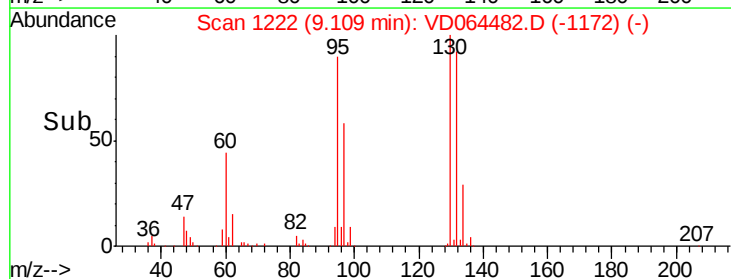
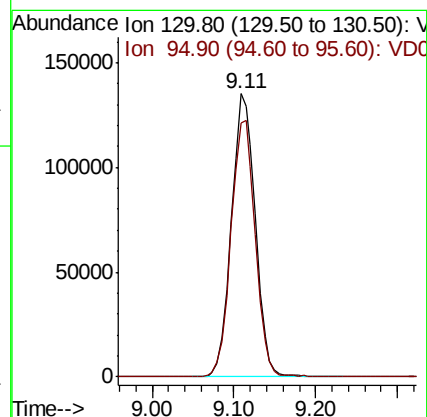
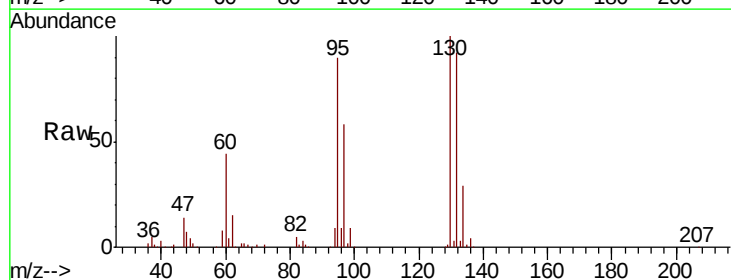
Instrument :
MSVOA_D
ClientSampleId :

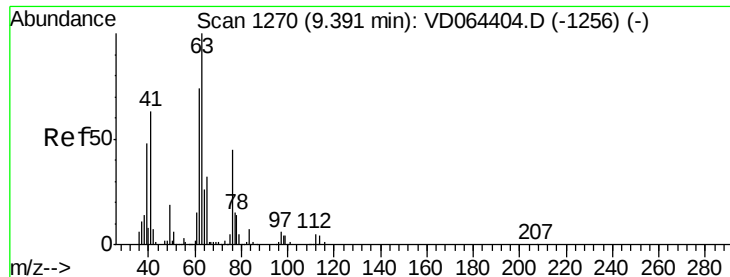
Tot Ion	43	Resp	264365
Ion Ratio	Lower	Upper	
43	100		
61	29.2	24.0	36.0
87	12.8	10.6	15.8



#44
Trichloroethene
Concen: 50.872 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Tgt Ion	130	Resp	274306
Ion Ratio	Lower	Upper	
130	100		
95	89.8	0.0	184.6

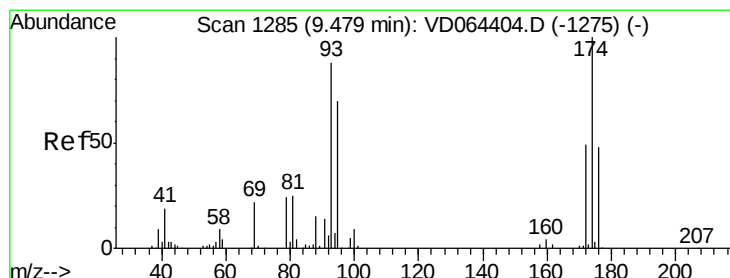
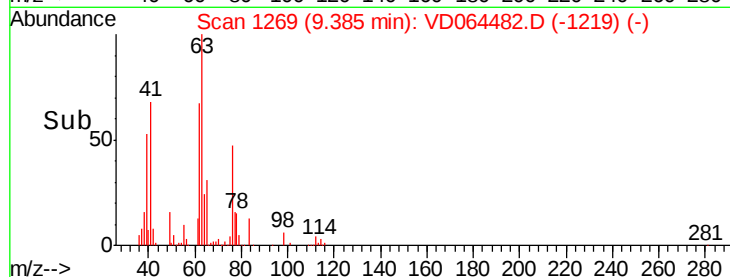
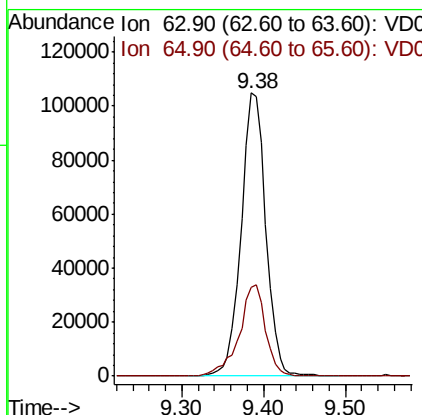
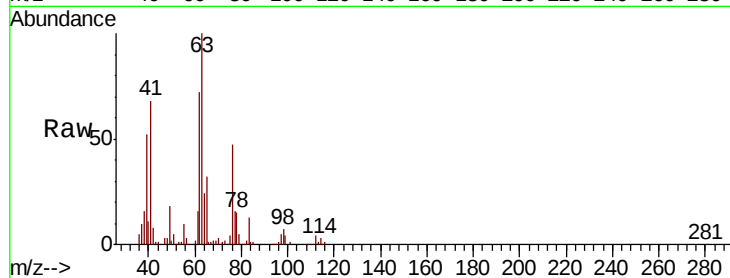




#45
 1,2-Dichloropropane
 Concen: 51.466 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

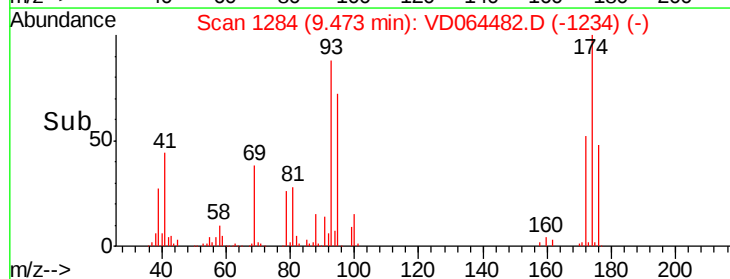
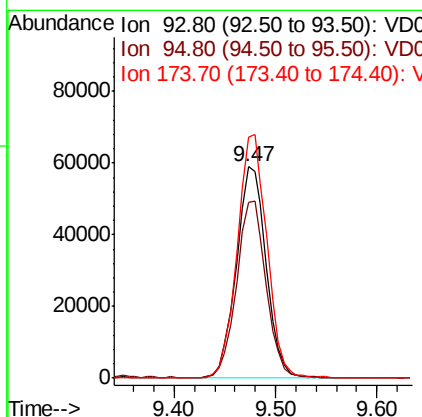
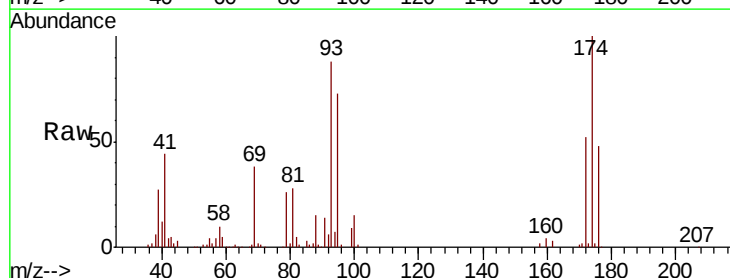
Instrument :
 MSVOA_D
 ClientSampleID :

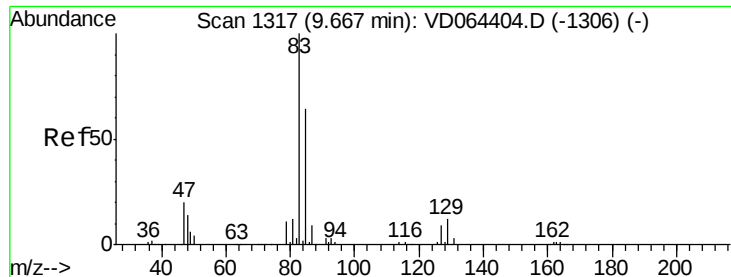
Tot Ion: 63 Resp: 220328
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.4 38.0



#46
 Dibromomethane
 Concen: 49.657 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

Tgt Ion: 93 Resp: 119981
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.7 100.1
 174 114.6 92.3 138.5





#47

Bromodichloromethane

Concen: 51.461 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampled :

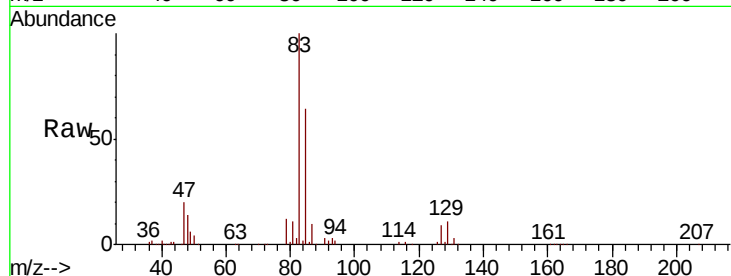
Tot Ion: 83 Resp: 319488

Ion Ratio Lower Upper

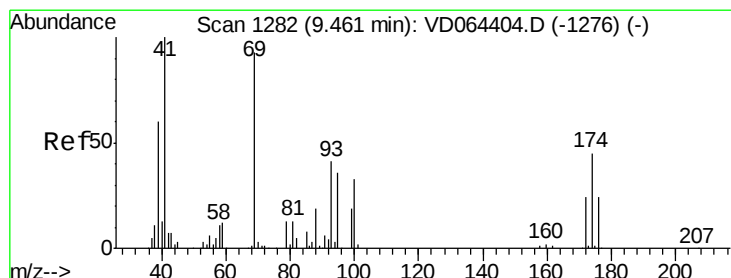
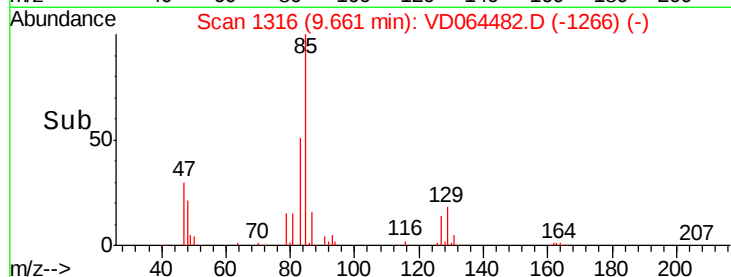
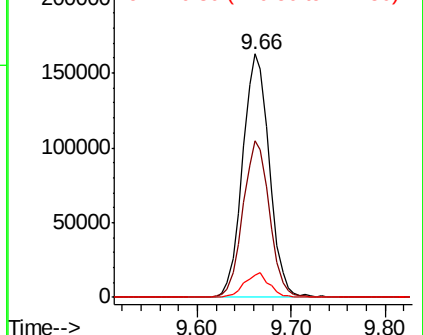
83 100

85 64.2 51.1 76.7

127 8.9 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: 48.352 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

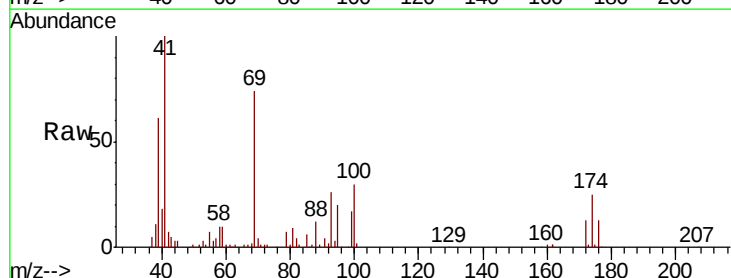
Tgt Ion: 41 Resp: 118971

Ion Ratio Lower Upper

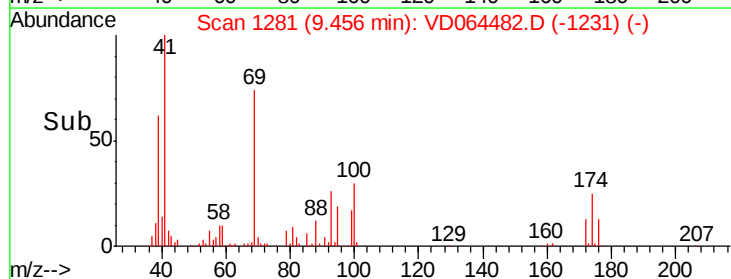
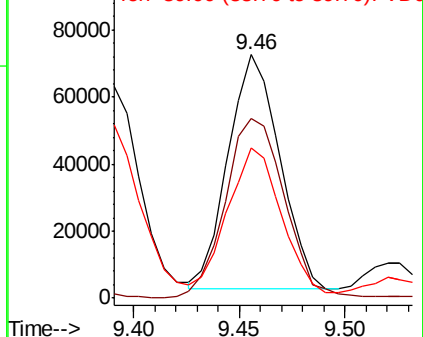
41 100

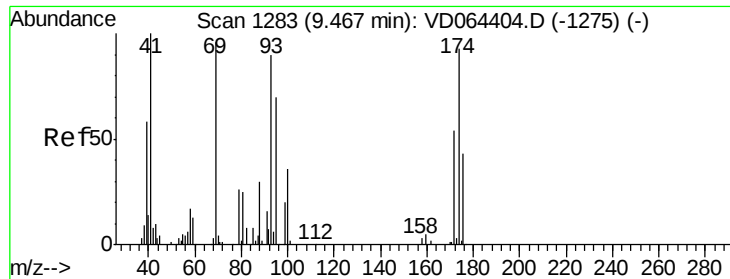
69 88.7 72.0 108.0

39 62.4 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

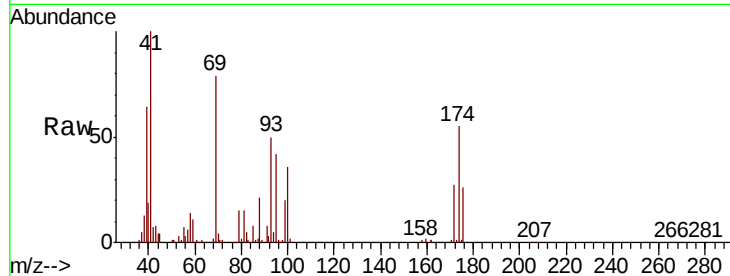




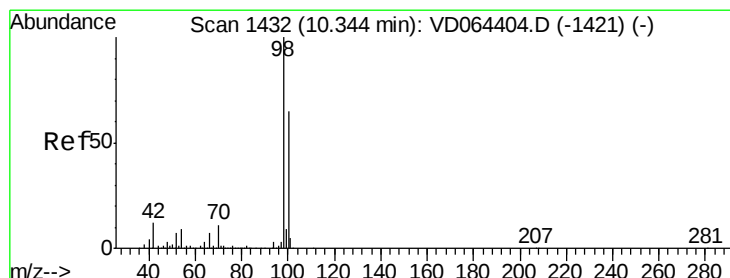
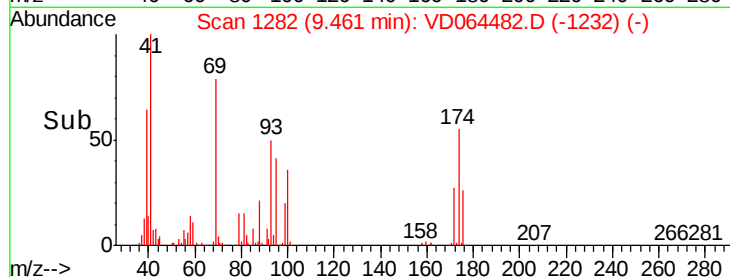
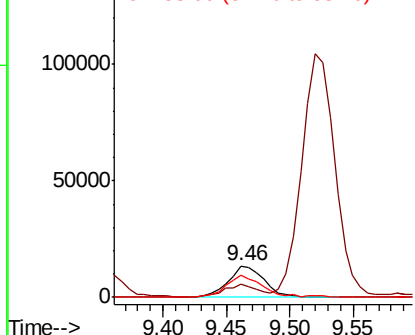
#49
1,4-Dioxane
Concen: 894.469 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 26688
Ion Ratio Lower Upper
88 100
43 38.7 26.7 40.1
58 69.4 52.3 78.5

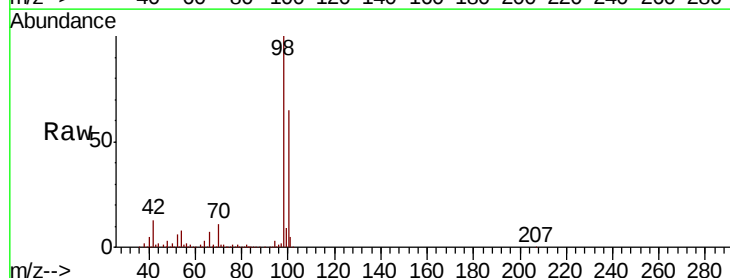


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

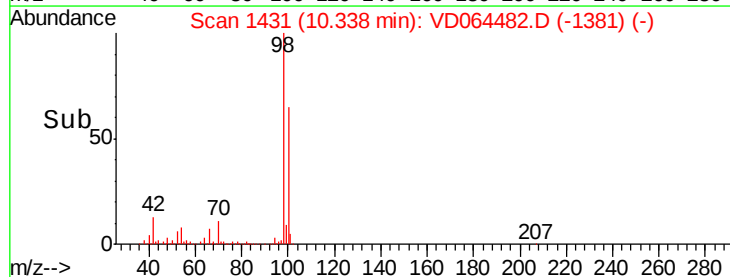
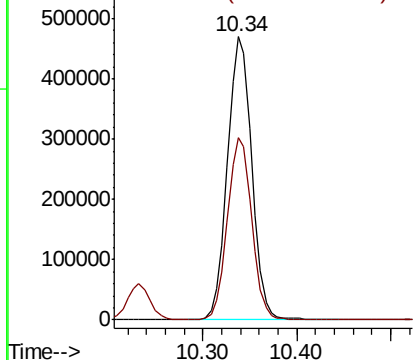


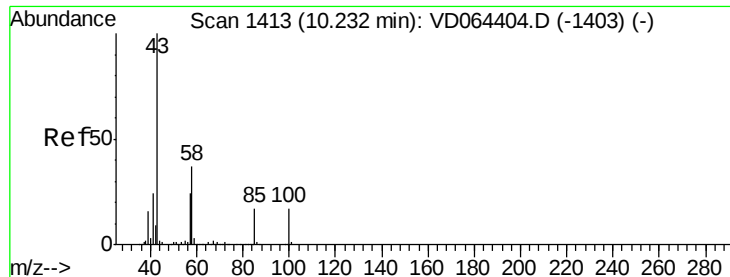
#50
Toluene-d8
Concen: 52.105 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Tgt Ion: 98 Resp: 842619
Ion Ratio Lower Upper
98 100
100 64.4 52.6 79.0



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





#51

4-Methyl-2-Pentanone

Concen: 238.300 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

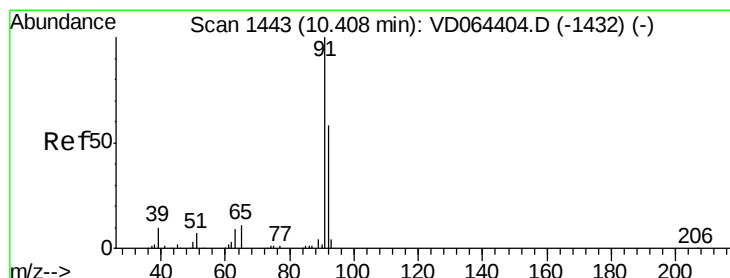
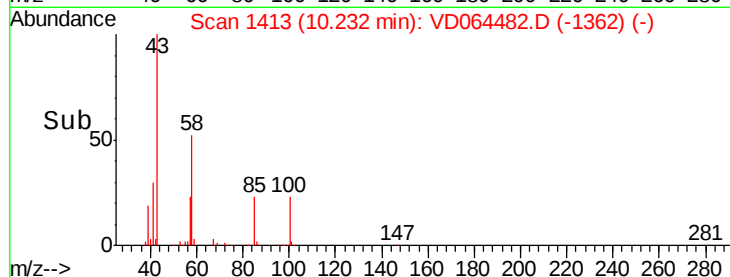
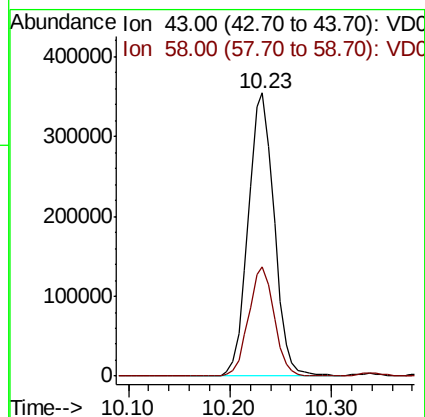
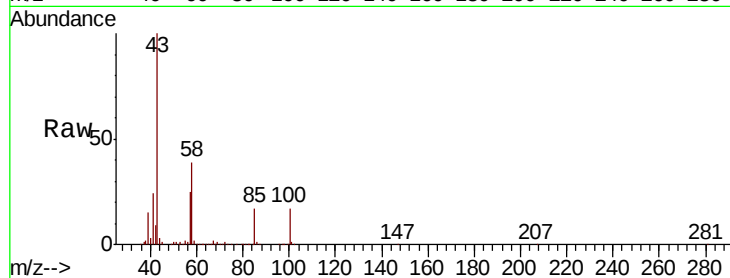
ClientSampled :

Tot Ion: 43 Resp: 633998

Ion Ratio Lower Upper

43 100

58 38.1 30.6 46.0



#52

Toluene

Concen: 51.886 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064482.D

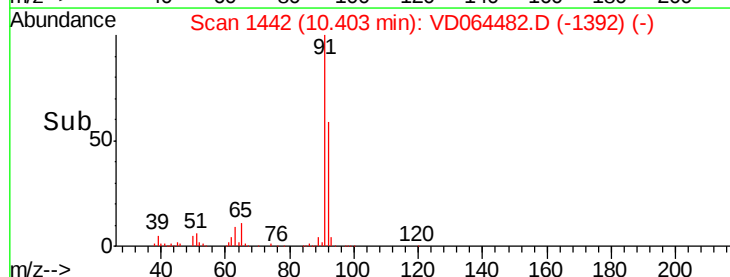
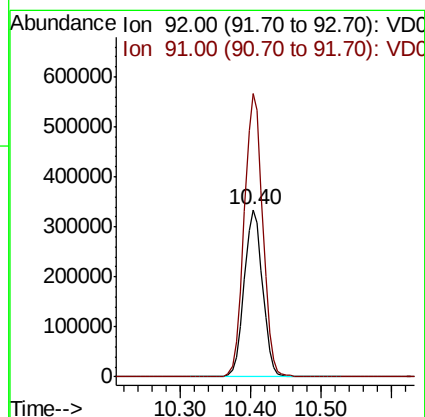
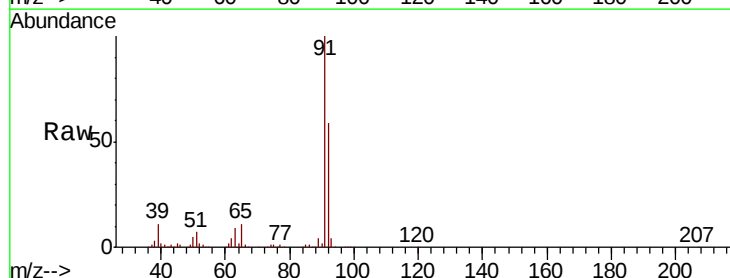
Acq: 10 Dec 2019 10:21

Tgt Ion: 92 Resp: 605291

Ion Ratio Lower Upper

92 100

91 169.9 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 51.628 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

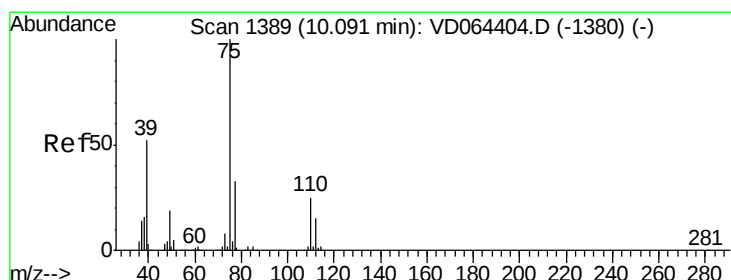
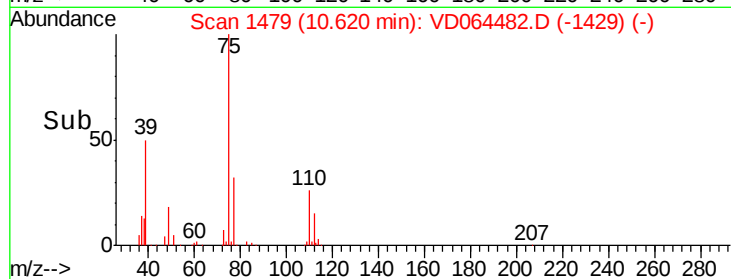
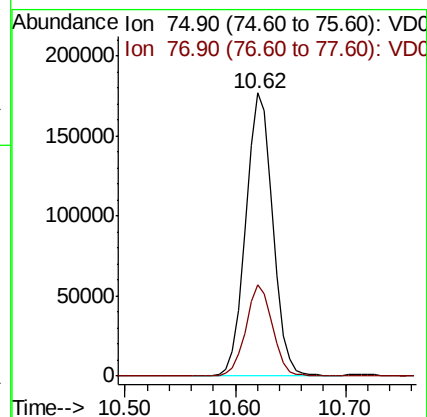
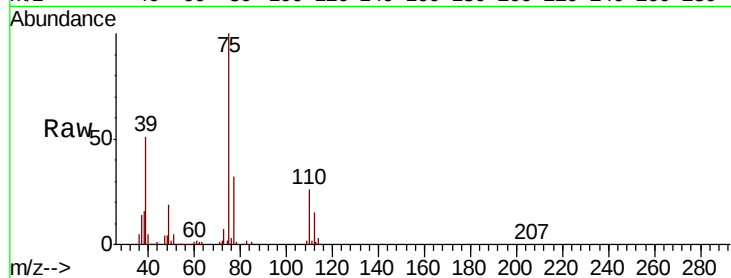
ClientSampleId :

Tot Ion: 75 Resp: 305471

Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 51.518 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

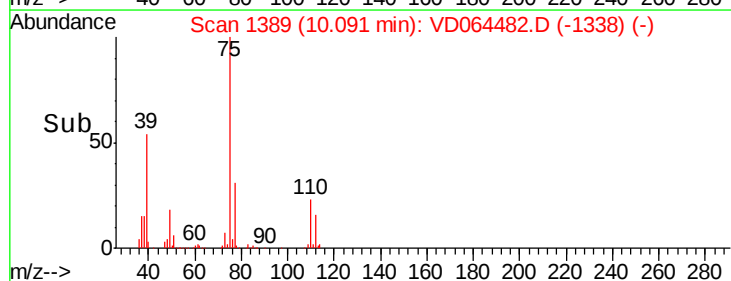
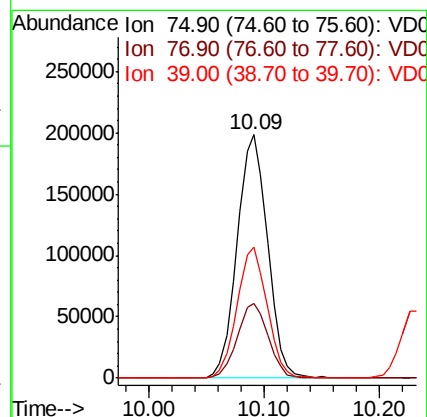
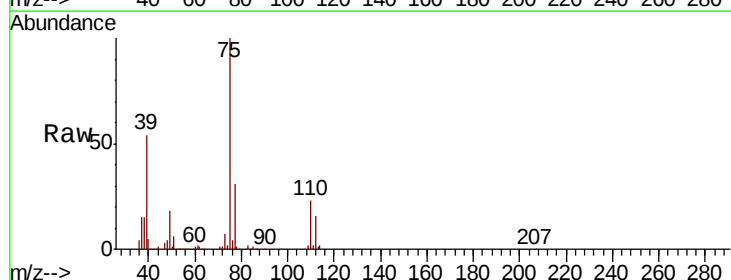
Tgt Ion: 75 Resp: 362118

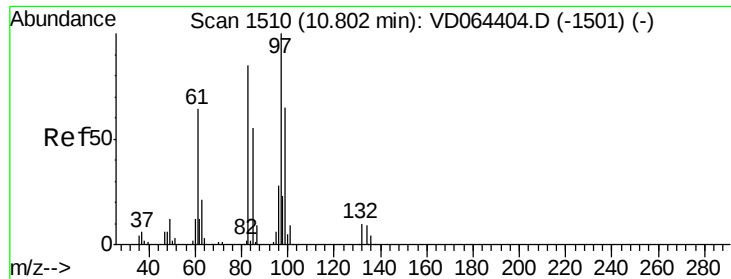
Ion Ratio Lower Upper

75 100

77 30.5 26.1 39.1

39 53.9 41.5 62.3

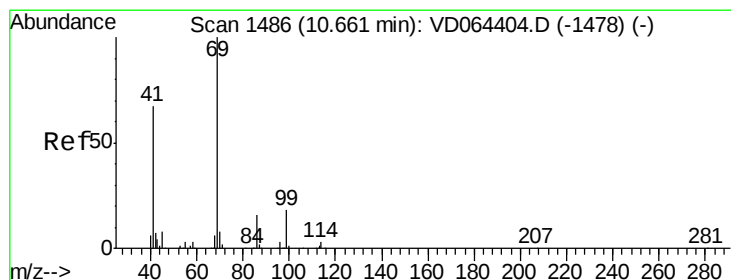
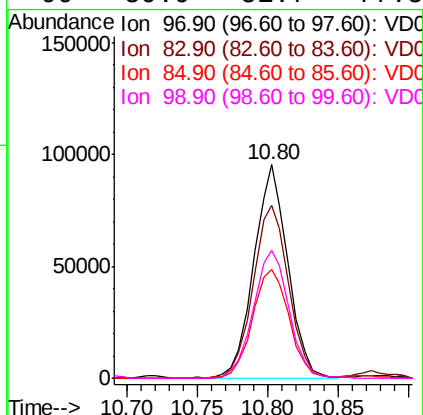
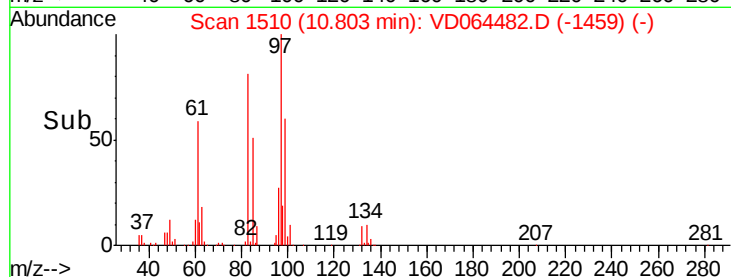
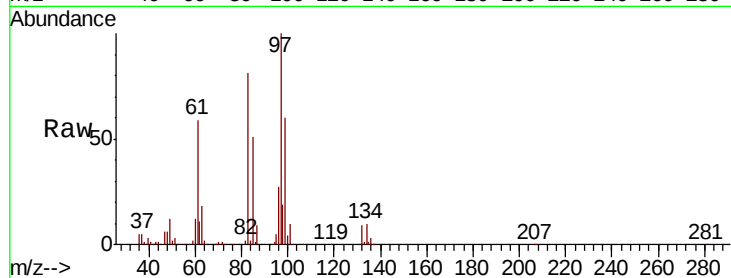




#55
 1,1,2-Trichloroethane
 Concen: 48.643 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

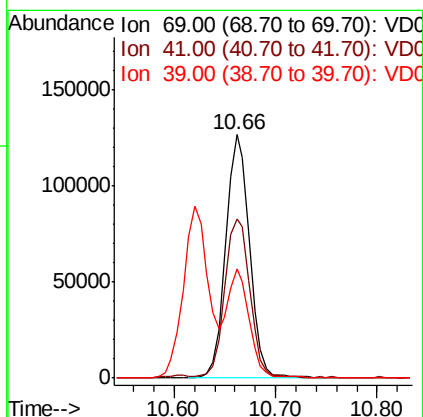
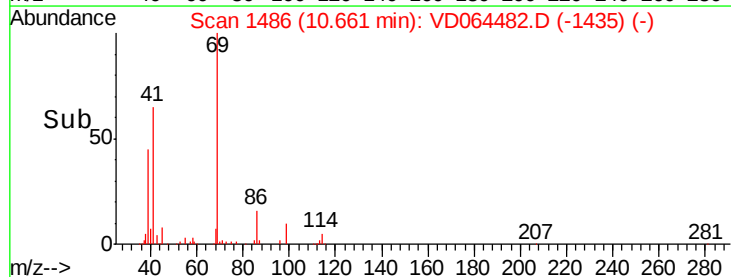
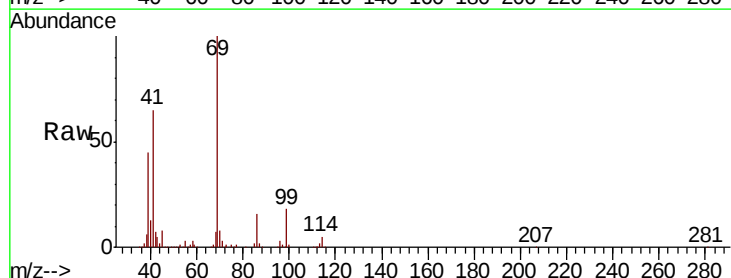
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	160933
Ion	Ratio	Lower	Upper
97	100		
83	80.6	67.8	101.8
85	50.9	43.7	65.5
99	59.9	51.7	77.5



#56
 Ethyl methacrylate
 Concen: 48.871 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

Tgt Ion:	69	Resp:	206226
Ion	Ratio	Lower	Upper
69	100		
41	68.5	55.0	82.4
39	40.8	33.0	49.6





#57

1,3-Dichloropropane

Concen: 49.152 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

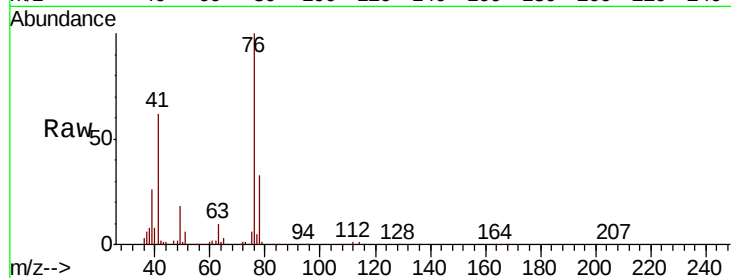
ClientSampleId :

Tot Ion: 76 Resp: 276821

Ion Ratio Lower Upper

76 100

78 32.4 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

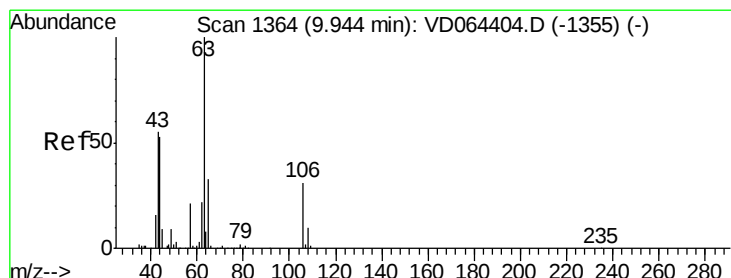
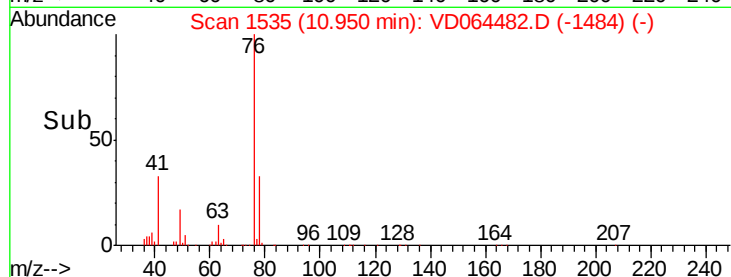
100000

50000

0

Time-->

10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 222.567 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064482.D

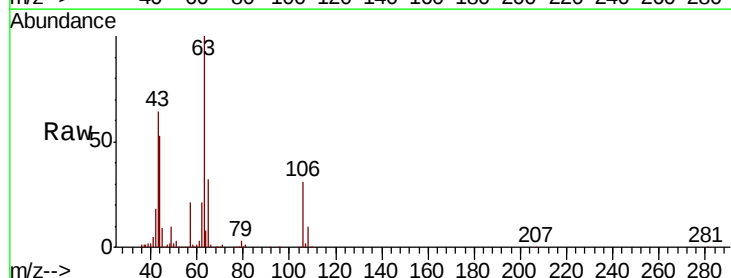
Acq: 10 Dec 2019 10:21

Tgt Ion: 63 Resp: 374394

Ion Ratio Lower Upper

63 100

106 30.8 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

250000

200000

150000

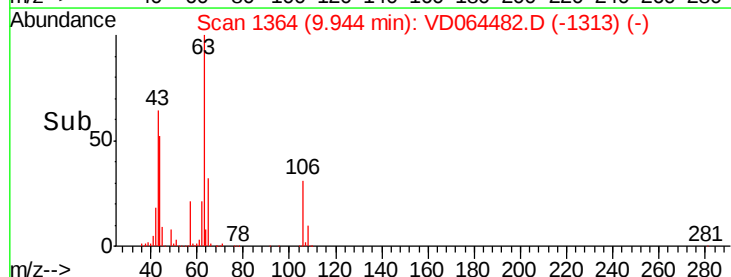
100000

50000

0

Time-->

9.90 10.00

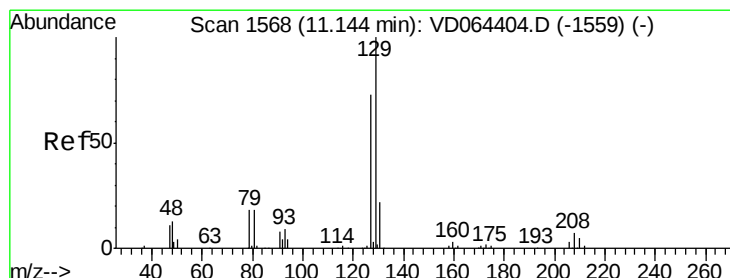
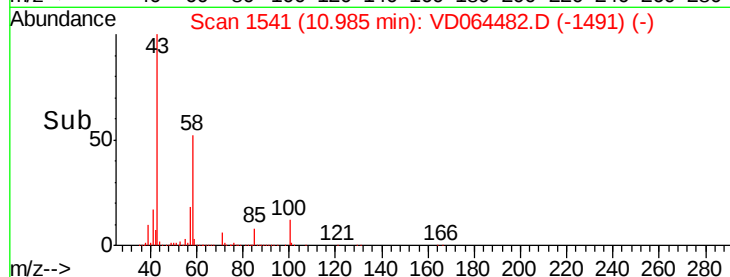
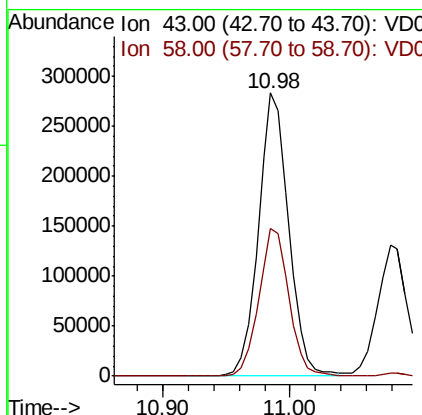
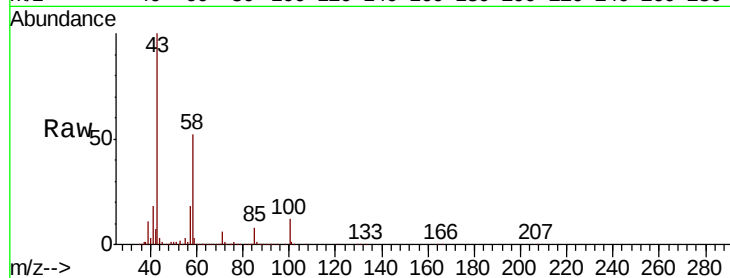




#59
2-Hexanone
Concen: 253.816 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

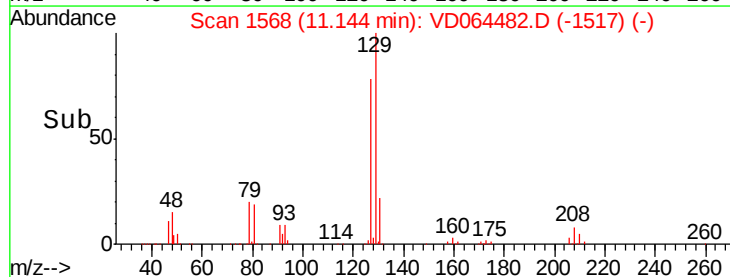
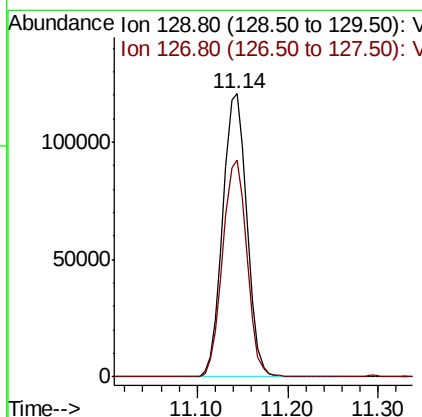
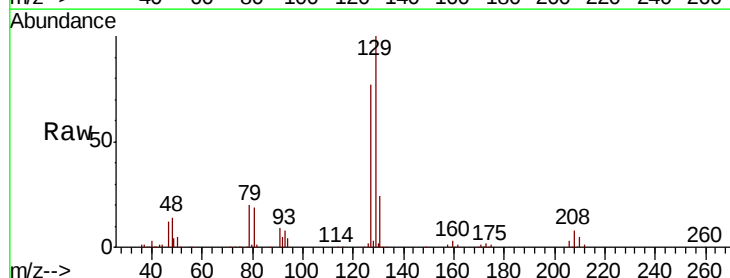
Instrument :
MSVOA_D
ClientSampleId :

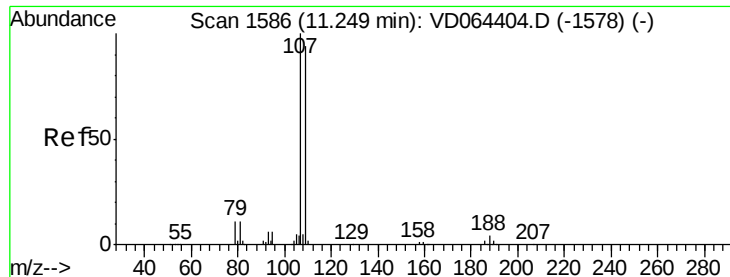
Tot Ion: 43 Resp: 468570
Ion Ratio Lower Upper
43 100
58 52.2 26.3 78.8



#60
Dibromochloromethane
Concen: 49.967 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Tgt Ion: 129 Resp: 224144
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.3

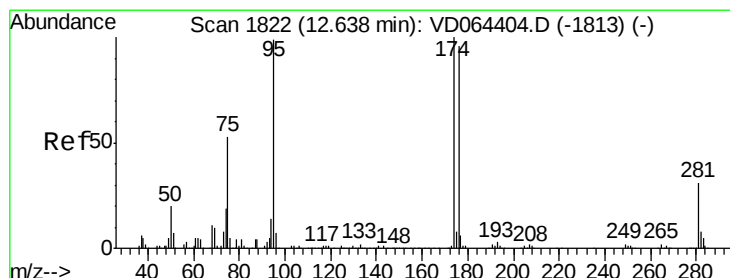
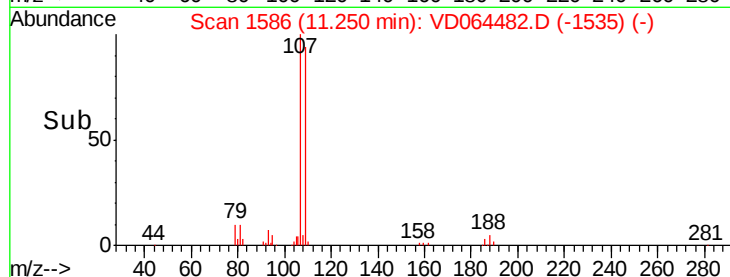
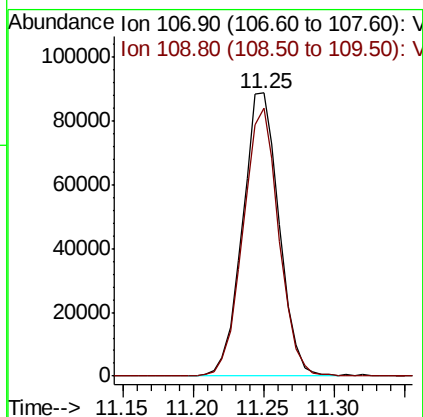
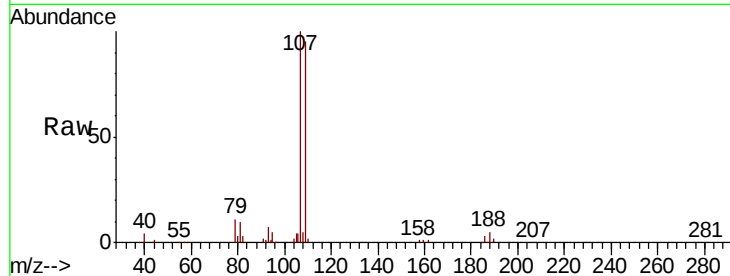




#61
 1,2-Dibromoethane
 Concen: 48.655 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

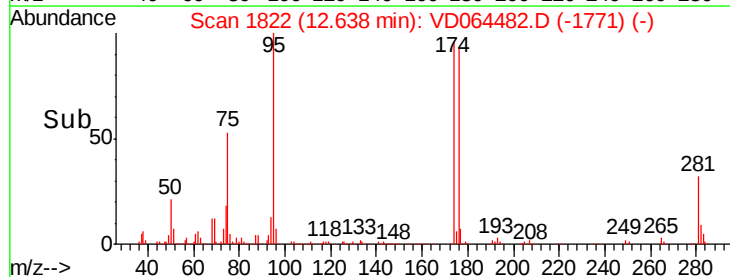
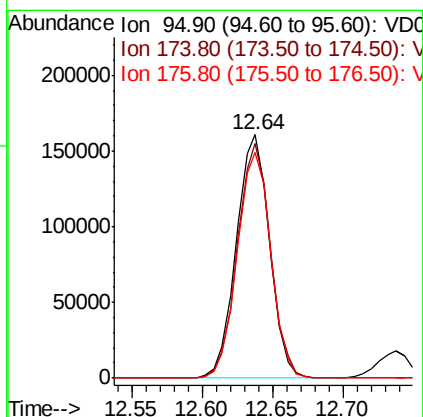
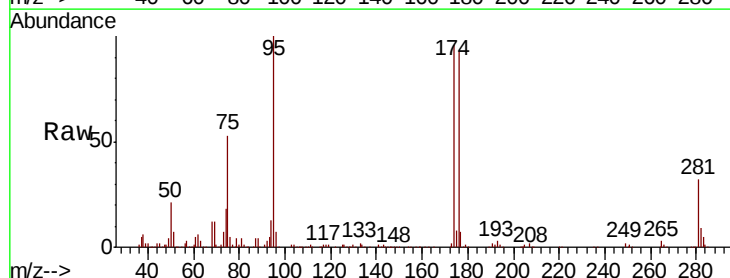
Instrument :
 MSVOA_D
 ClientSampleId :

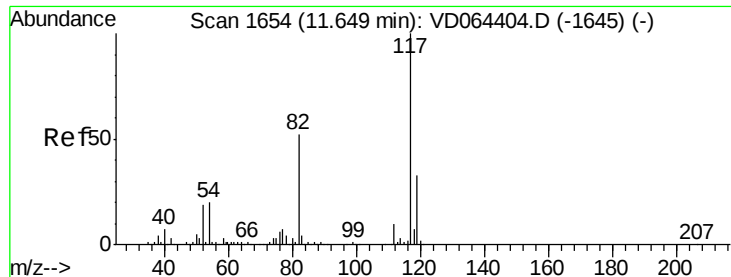
Tot Ion:107 Resp: 160725
 Ion Ratio Lower Upper
 107 100
 109 92.9 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 50.682 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

Tgt Ion: 95 Resp: 263401
 Ion Ratio Lower Upper
 95 100
 174 96.3 0.0 197.2
 176 93.8 0.0 189.6

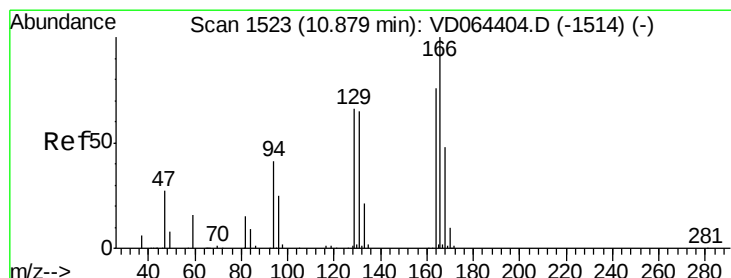
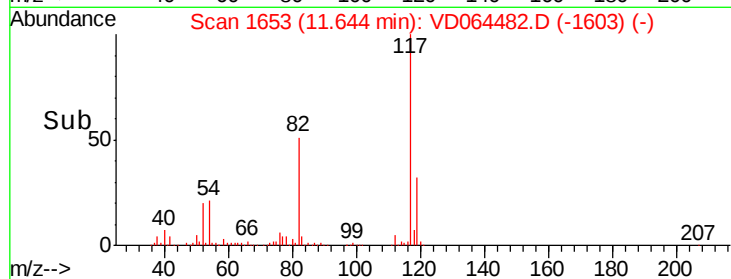
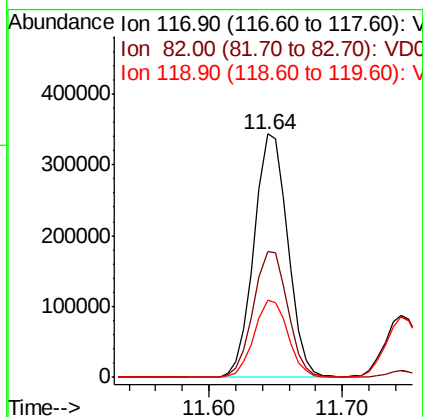
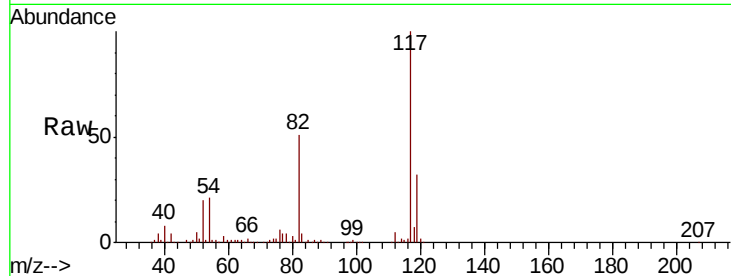




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

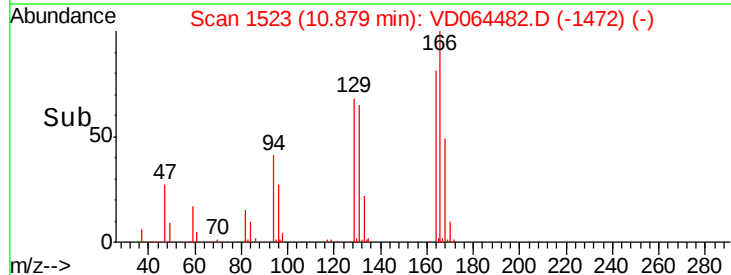
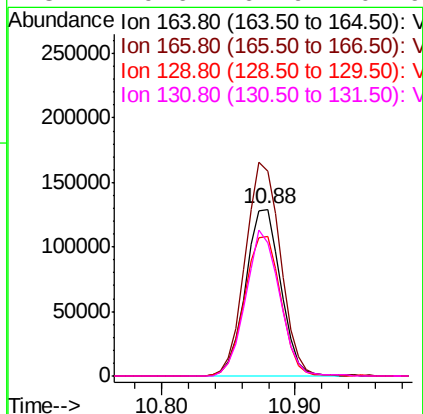
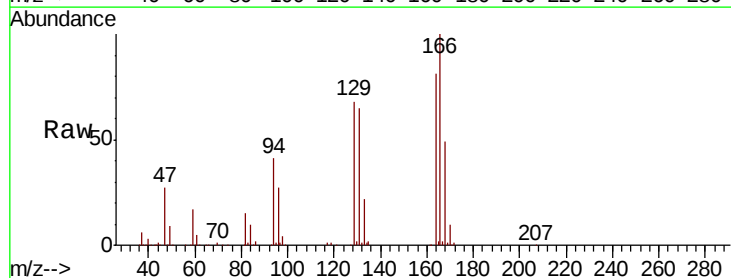
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 600423
Ion Ratio Lower Upper
117 100
82 51.5 41.4 62.2
119 31.5 26.2 39.2



#64
Tetrachloroethene
Concen: 51.191 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Tgt Ion:164 Resp: 234387
Ion Ratio Lower Upper
164 100
166 123.2 104.8 157.2
129 83.5 68.7 103.1
131 79.6 67.9 101.9

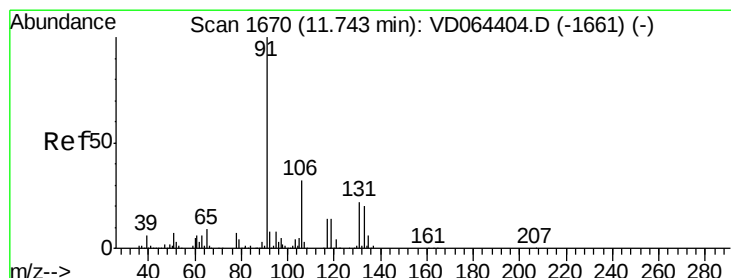
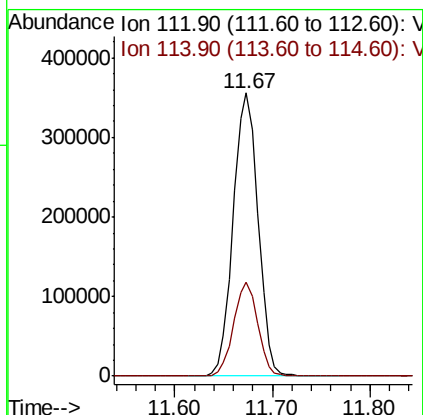
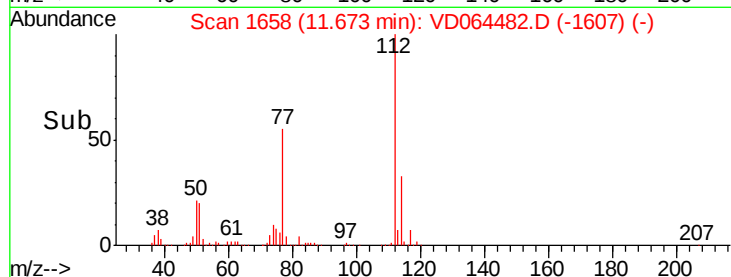
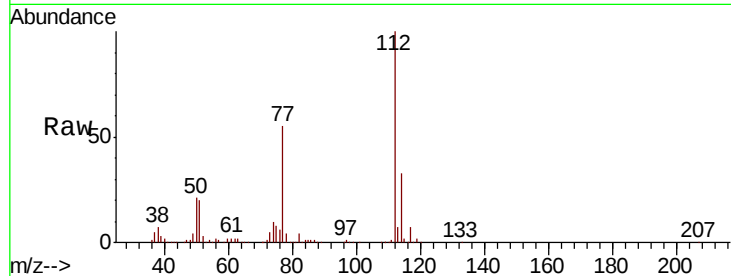




#65
Chlorobenzene
Concen: 50.455 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

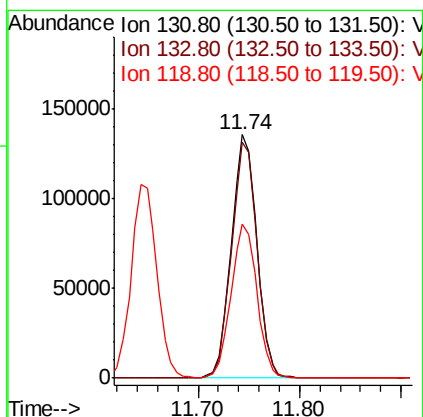
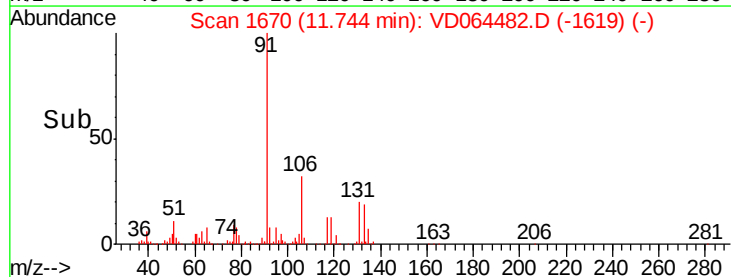
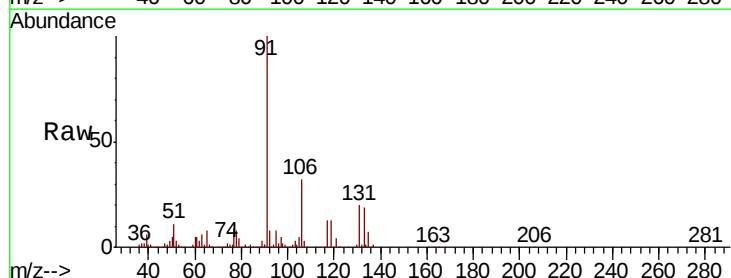
Instrument :
MSVOA_D
ClientSampleId :

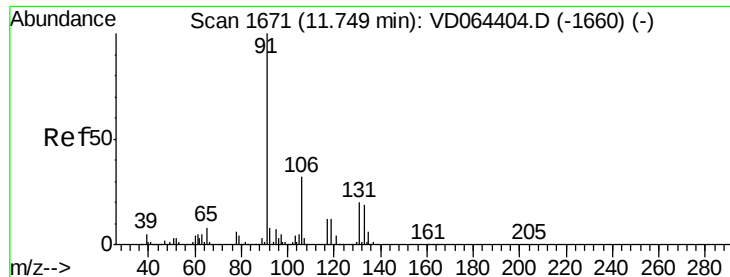
Tot Ion:112 Resp: 631841
Ion Ratio Lower Upper
112 100
114 33.3 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.121 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Tgt Ion:131 Resp: 236989
Ion Ratio Lower Upper
131 100
133 97.1 48.3 144.9
119 63.9 31.9 95.9





#67

Ethyl Benzene

Concen: 52.290 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

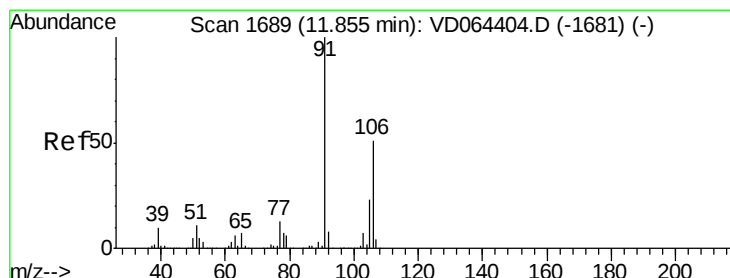
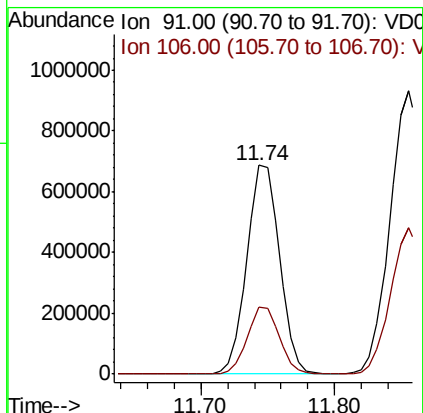
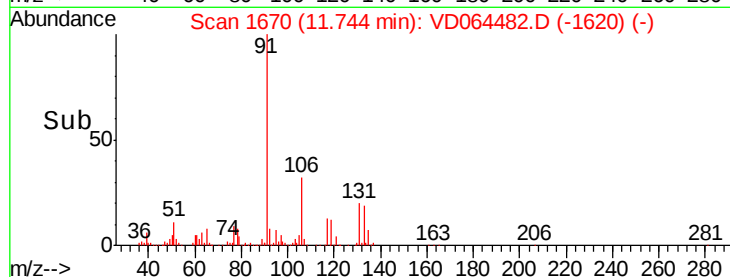
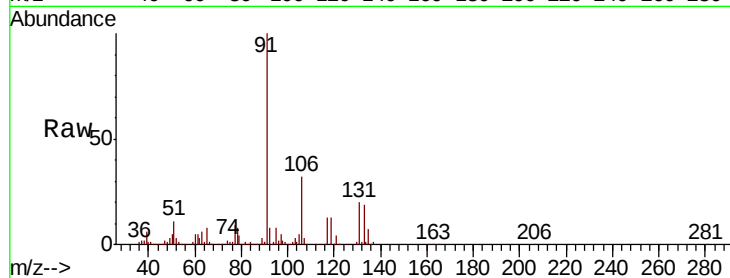
ClientSampleId :

Tot Ion: 91 Resp: 1165067

Ion Ratio Lower Upper

91 100

106 31.9 25.8 38.8



#68

m/p-Xylenes

Concen: 105.674 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064482.D

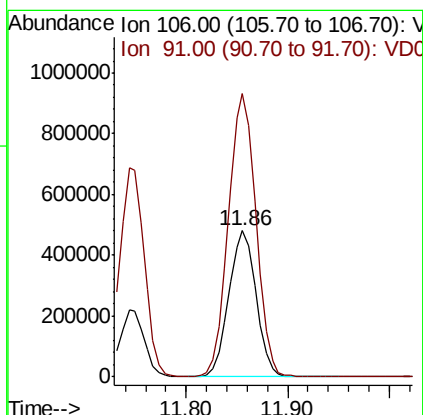
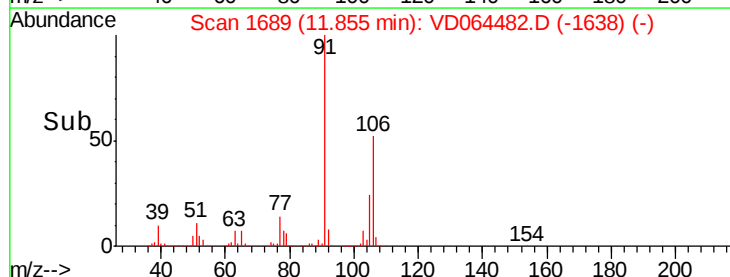
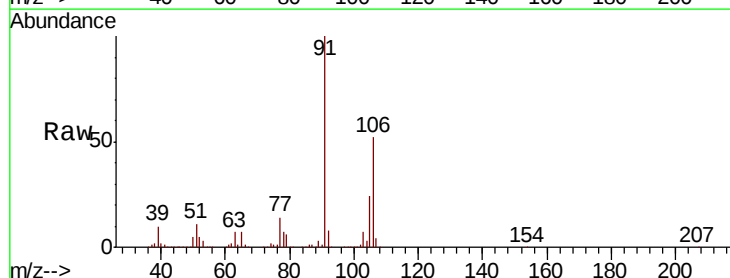
Acq: 10 Dec 2019 10:21

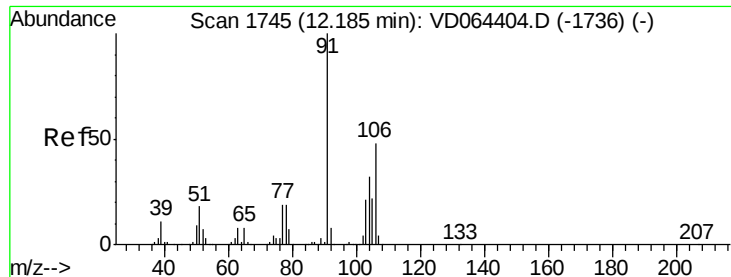
Tgt Ion: 106 Resp: 897759

Ion Ratio Lower Upper

106 100

91 196.1 157.4 236.2

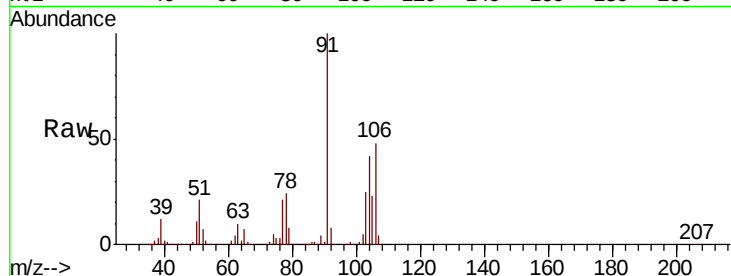




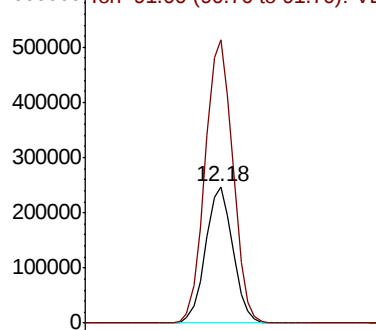
#69
o-Xylene
Concen: 51.362 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampled :

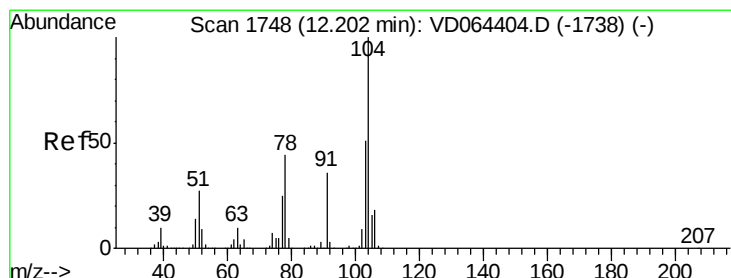
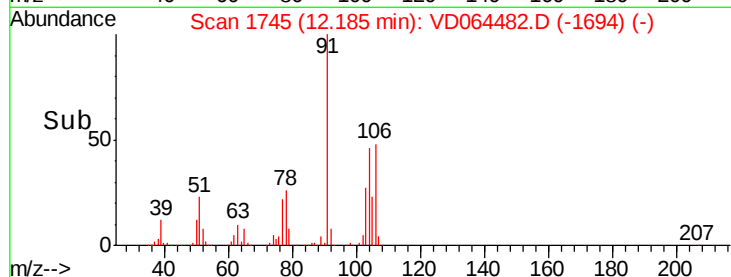
Tot Ion:106 Resp: 402996
Ion Ratio Lower Upper
106 100
91 212.1 103.8 311.4



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

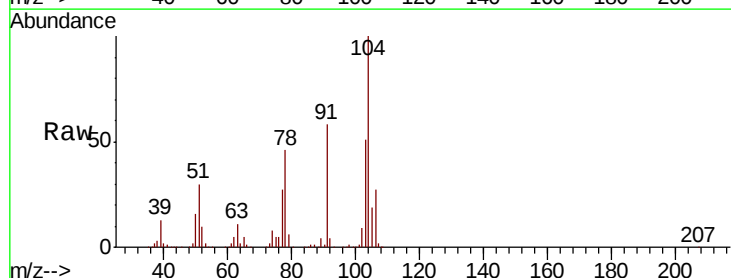


Time-->

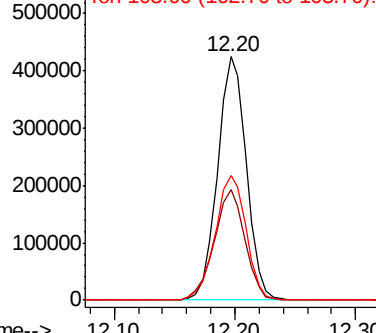


#70
Styrene
Concen: 51.843 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

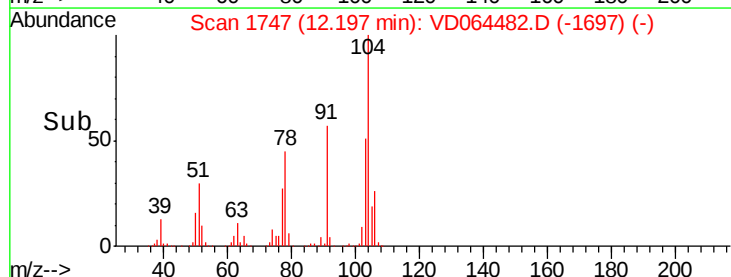
Tgt Ion:104 Resp: 706858
Ion Ratio Lower Upper
104 100
78 48.6 38.8 58.2
103 55.2 44.2 66.4

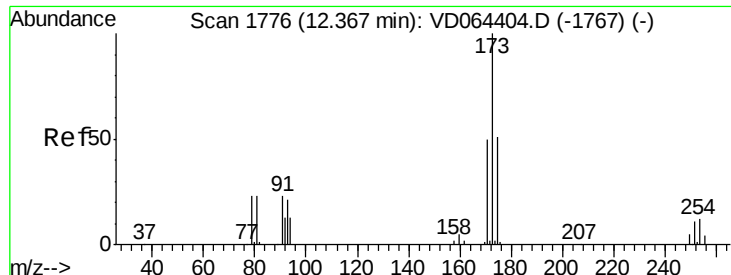


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 49.327 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleID :

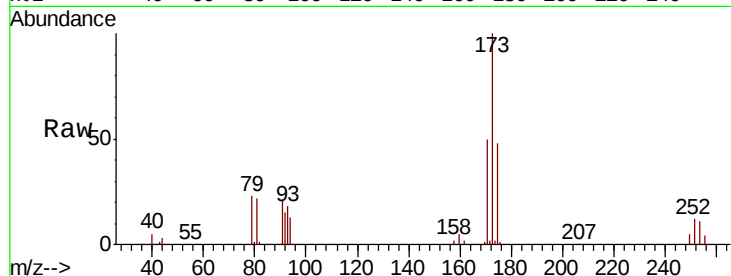
Tot Ion:173 Resp: 136809

Ion Ratio Lower Upper

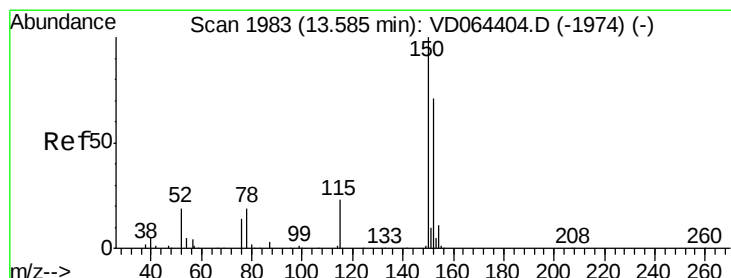
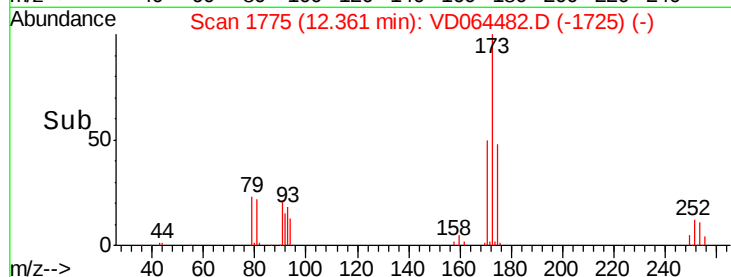
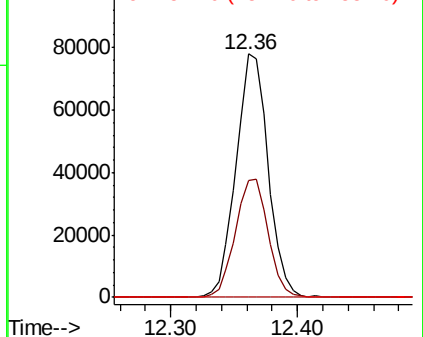
173 100

175 49.4 25.3 75.8

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

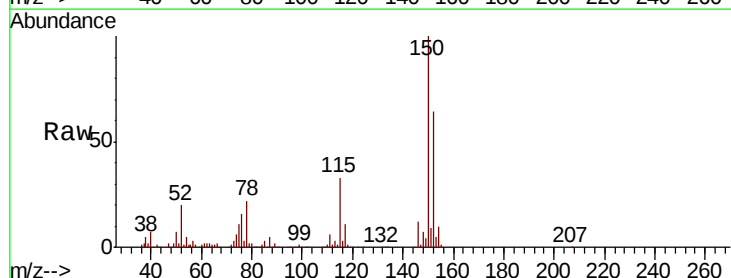
Tgt Ion:152 Resp: 301380

Ion Ratio Lower Upper

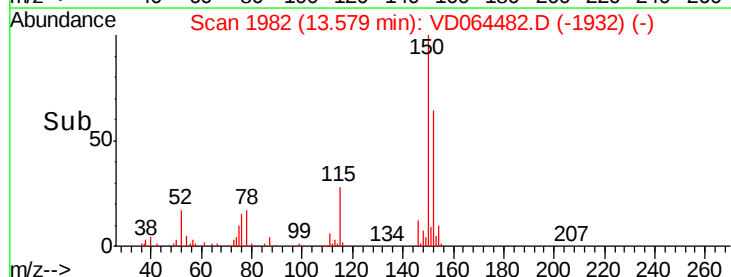
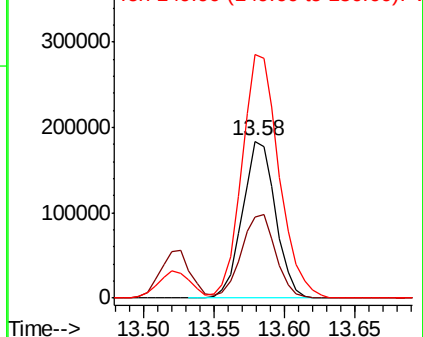
152 100

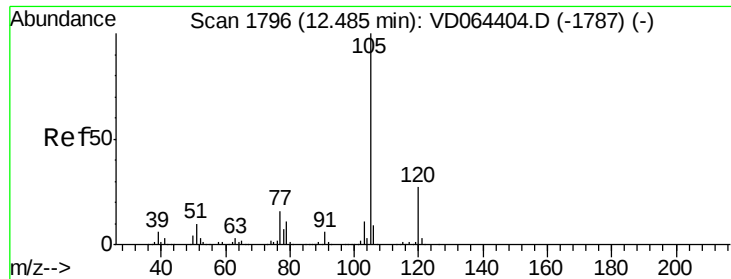
115 55.0 26.7 80.1

150 174.2 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.770 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

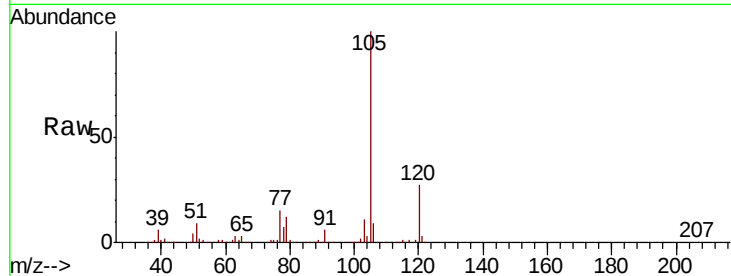
ClientSampleId :

Tot Ion:105 Resp: 1122147

Ion Ratio Lower Upper

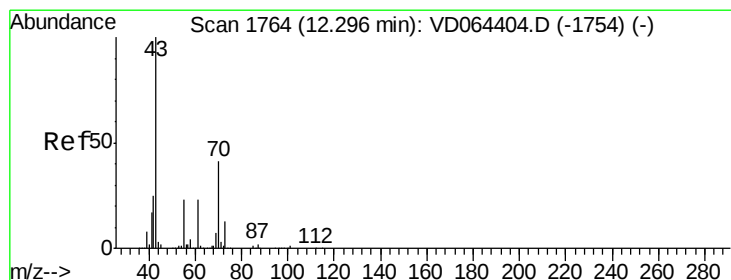
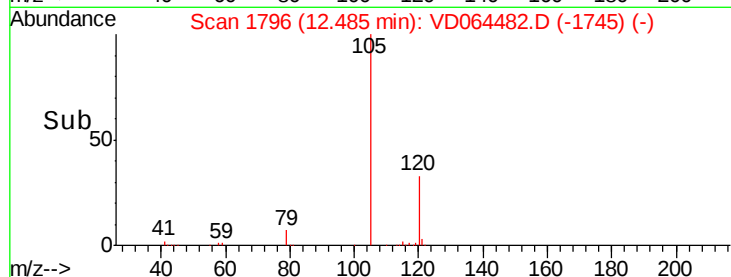
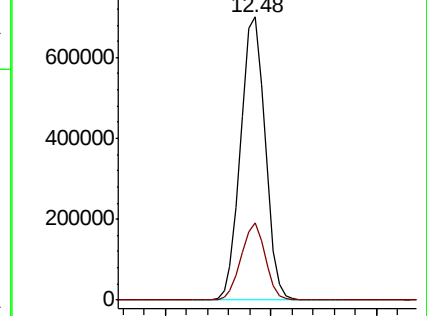
105 100

120 26.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.916 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Tgt Ion: 43 Resp: 235723

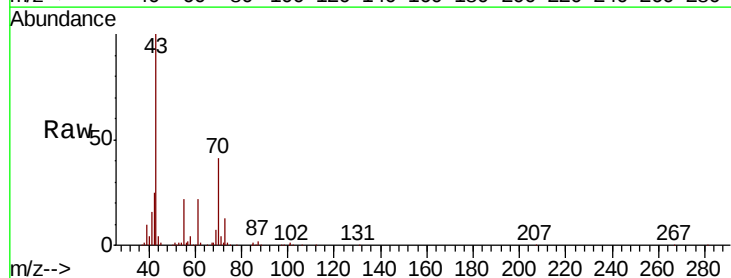
Ion Ratio Lower Upper

43 100

70 41.9 33.4 50.2

55 23.2 18.9 28.3

61 23.1 18.5 27.7

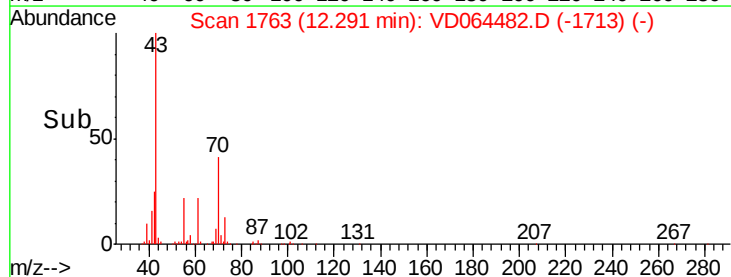
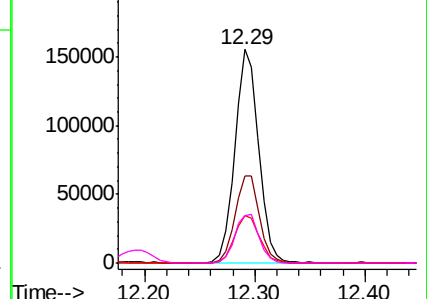


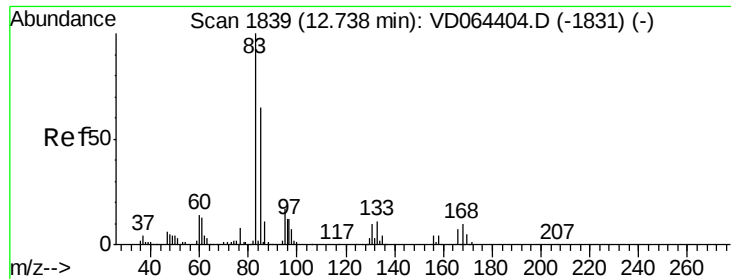
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.737 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

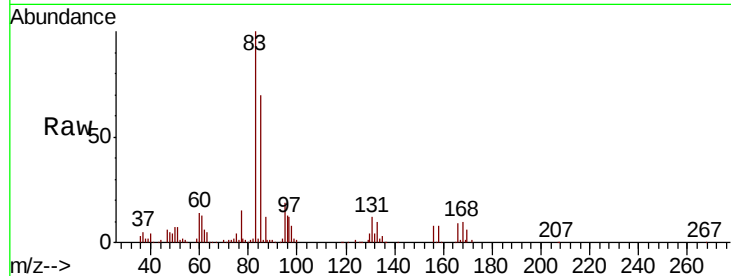
Tot Ion: 83 Resp: 163944

Ion Ratio Lower Upper

83 100

131 11.8 5.7 17.0

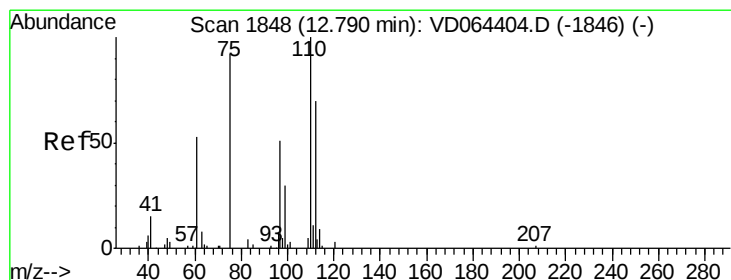
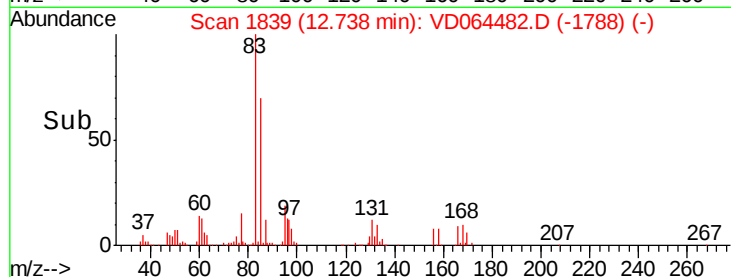
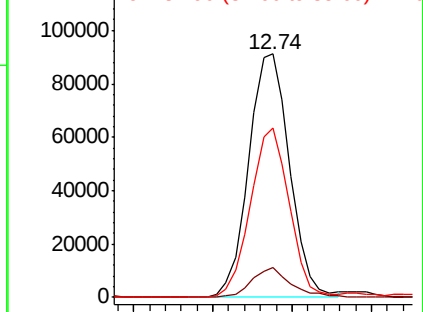
85 66.2 31.3 93.9



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: 90.639 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064482.D

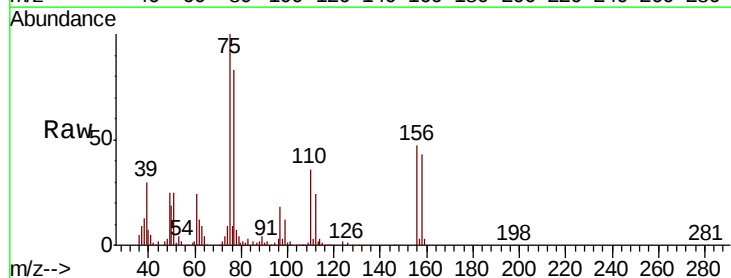
Acq: 10 Dec 2019 10:21

Tgt Ion: 75 Resp: 224643

Ion Ratio Lower Upper

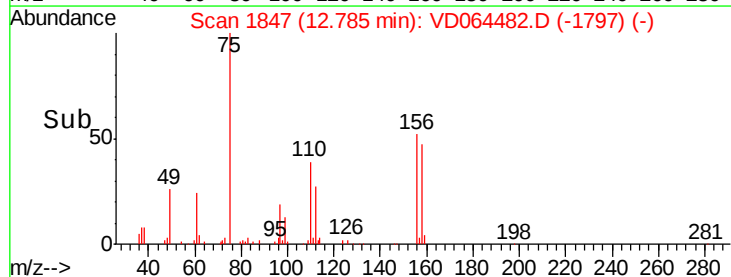
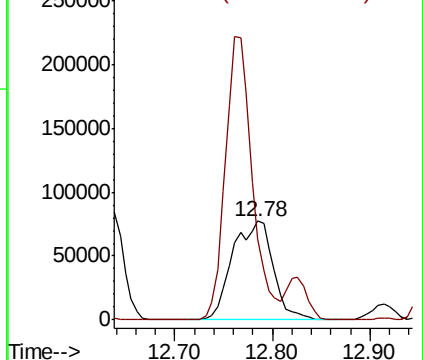
75 100

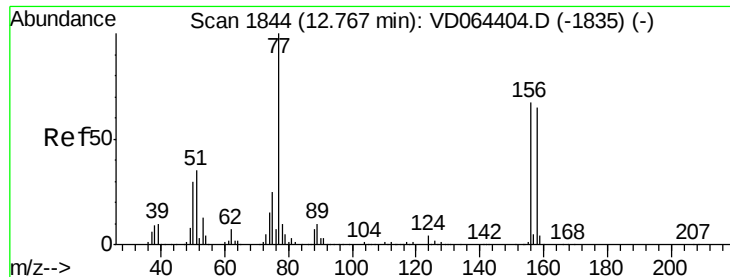
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.545 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

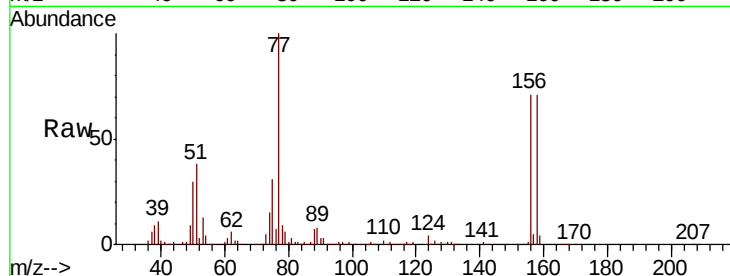
Tot Ion:156 Resp: 270553

Ion Ratio Lower Upper

156 100

77 157.9 80.0 240.2

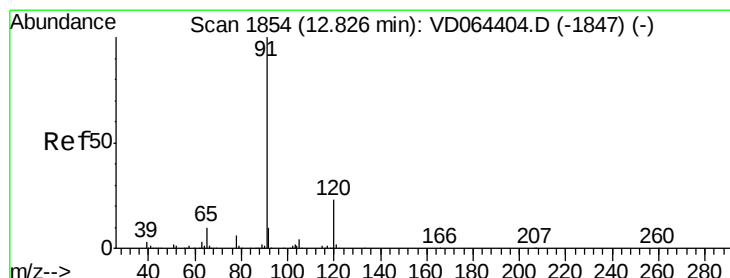
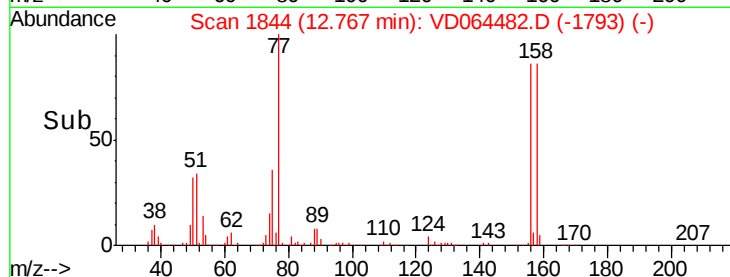
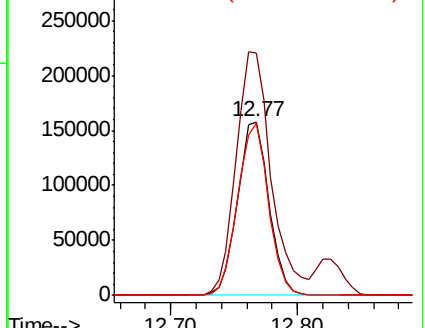
158 97.2 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.806 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064482.D

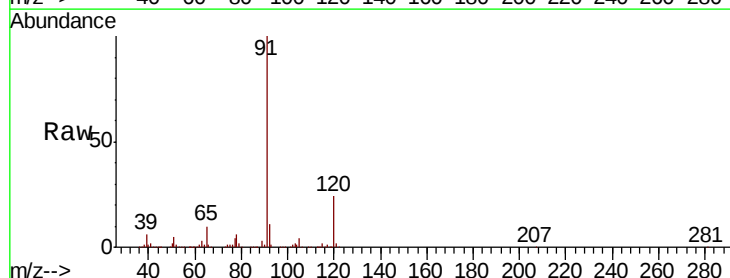
Acq: 10 Dec 2019 10:21

Tgt Ion: 91 Resp: 1295640

Ion Ratio Lower Upper

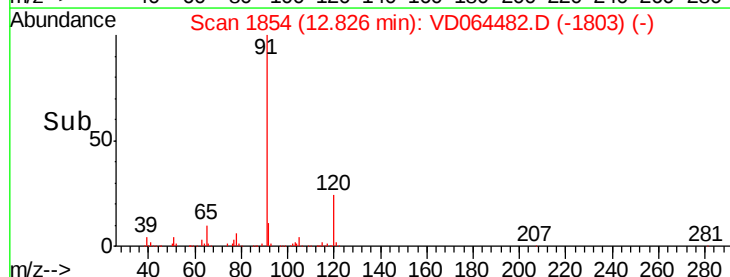
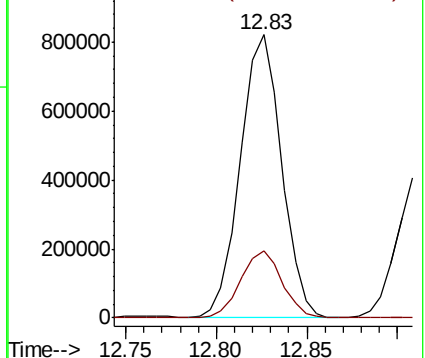
91 100

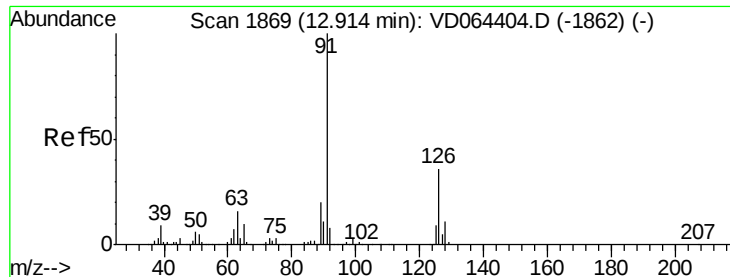
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

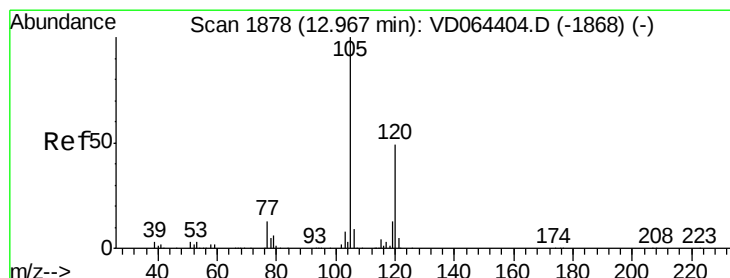
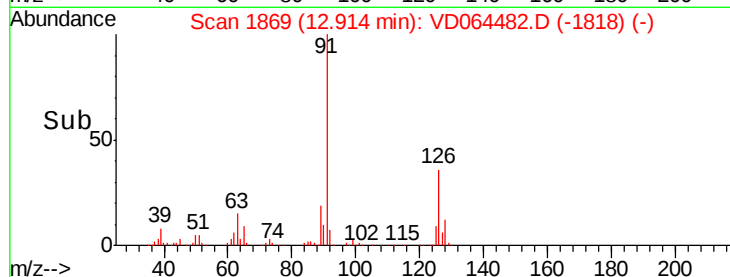
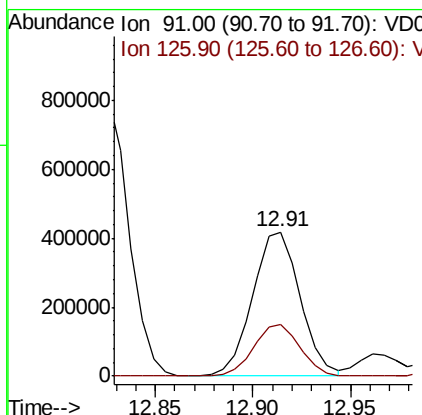
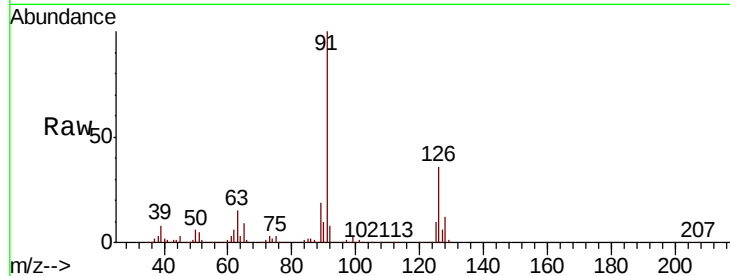




#79
 2-Chlorotoluene
 Concen: 51.148 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

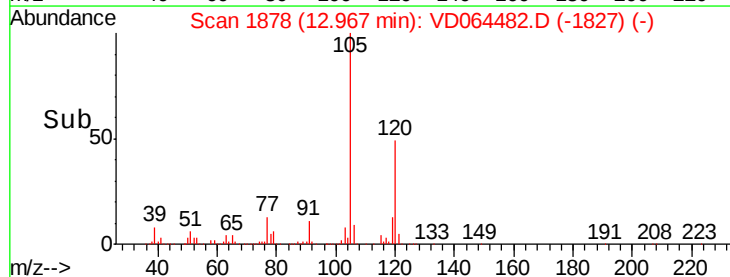
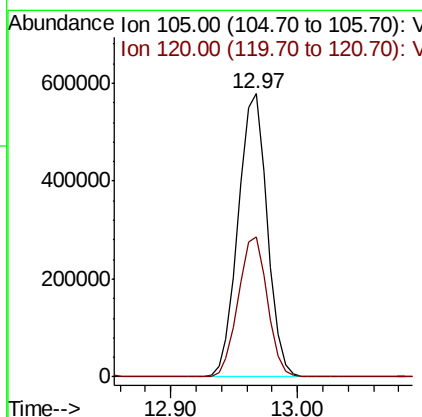
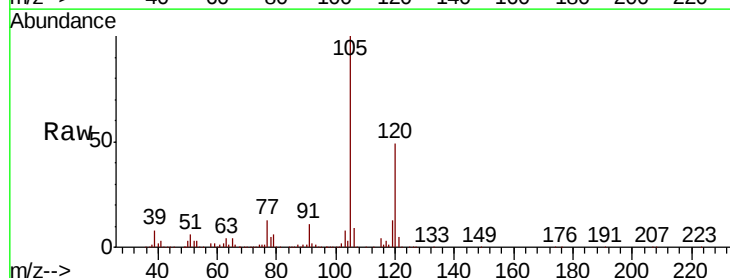
Instrument :
 MSVOA_D
 ClientSampleId :

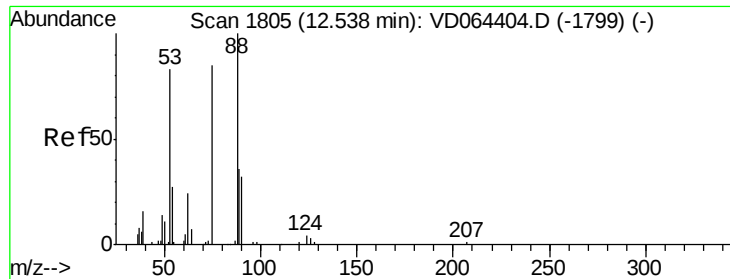
Tot Ion: 91 Resp: 703859
 Ion Ratio Lower Upper
 91 100
 126 35.5 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 51.731 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

Tgt Ion: 105 Resp: 916313
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 48.997 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

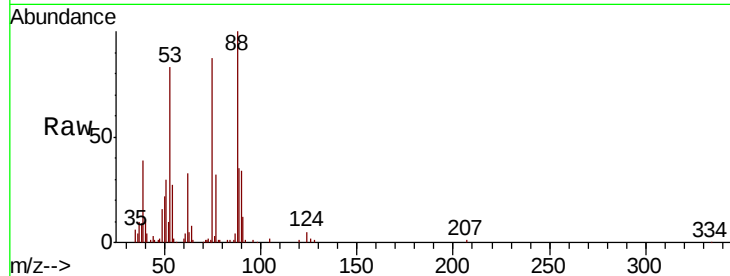
Tot Ion: 75 Resp: 55692

Ion Ratio Lower Upper

75 100

53 99.7 81.0 121.6

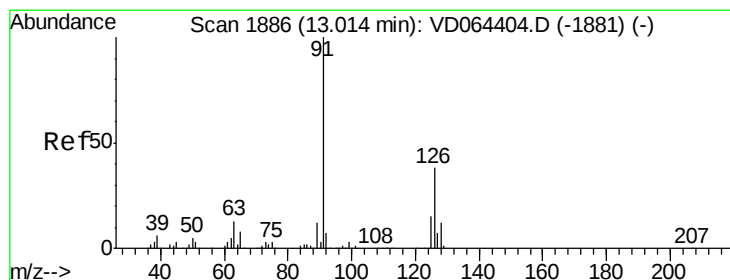
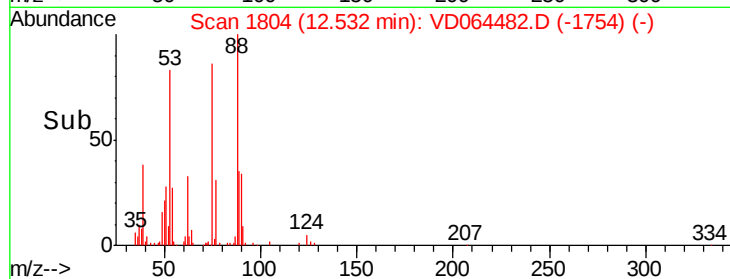
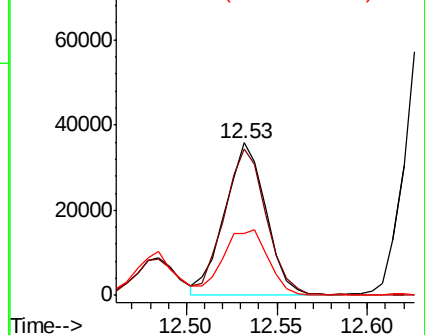
89 48.5 38.5 57.7



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: 50.417 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064482.D

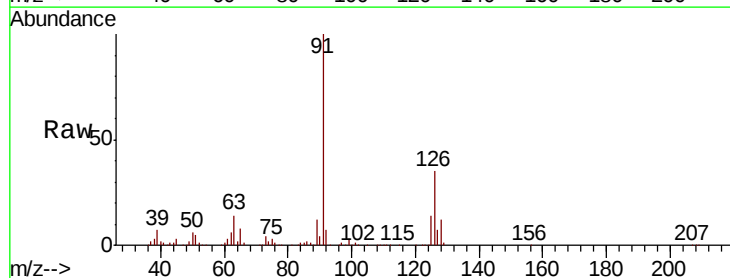
Acq: 10 Dec 2019 10:21

Tgt Ion: 91 Resp: 734587

Ion Ratio Lower Upper

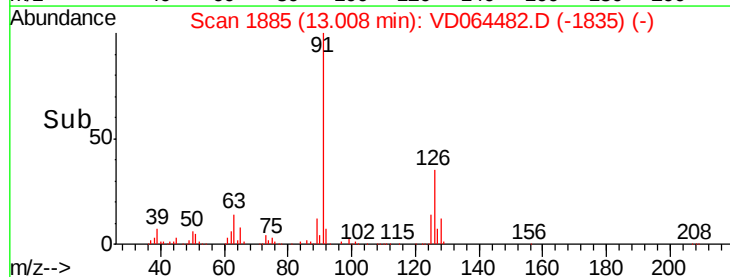
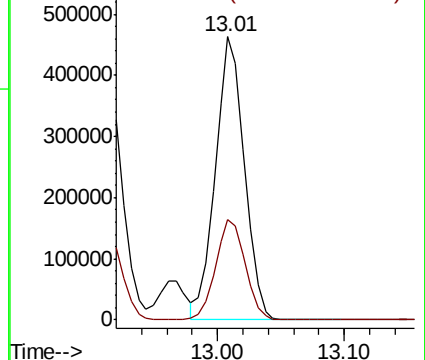
91 100

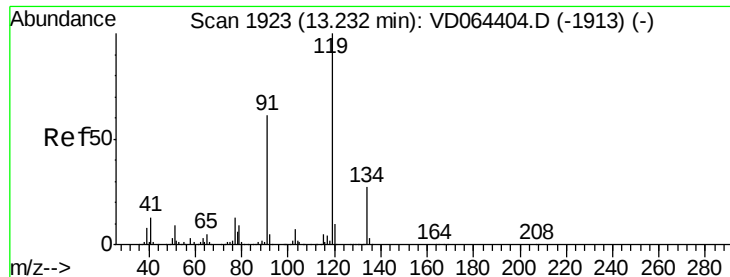
126 36.2 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 52.732 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

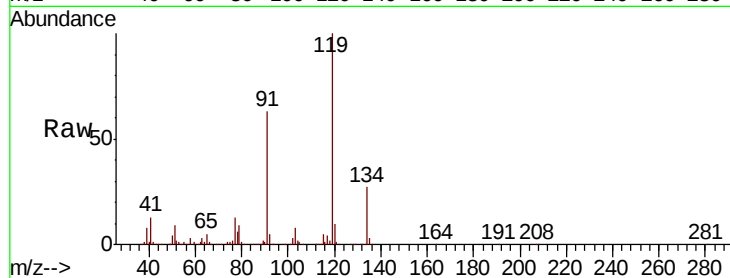
Tot Ion:119 Resp: 812033

Ion Ratio Lower Upper

119 100

91 61.5 31.2 93.6

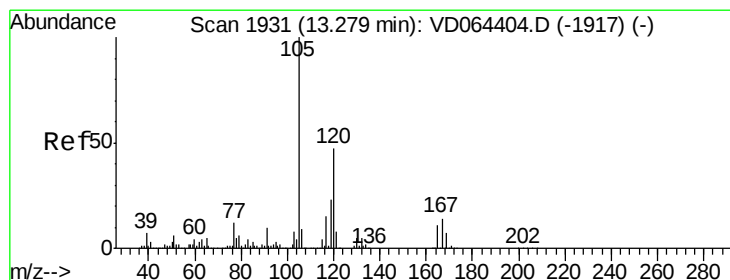
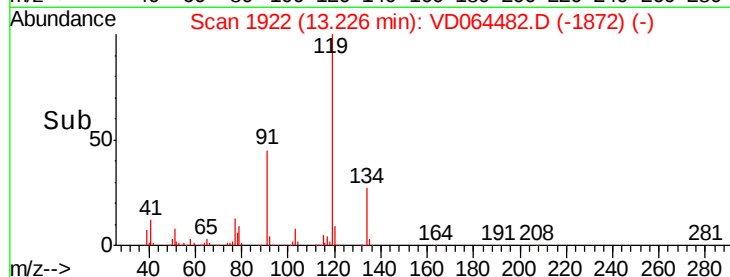
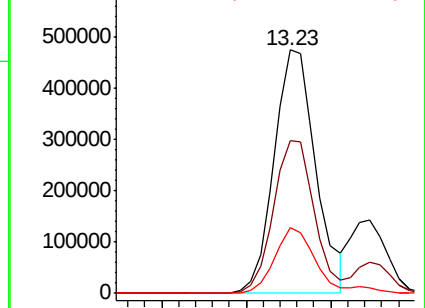
134 27.3 13.9 41.7



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: 50.604 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064482.D

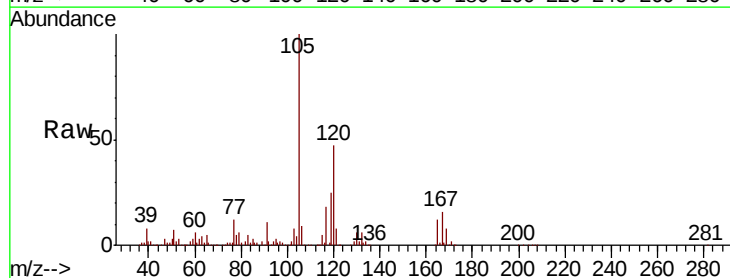
Acq: 10 Dec 2019 10:21

Tgt Ion:105 Resp: 901308

Ion Ratio Lower Upper

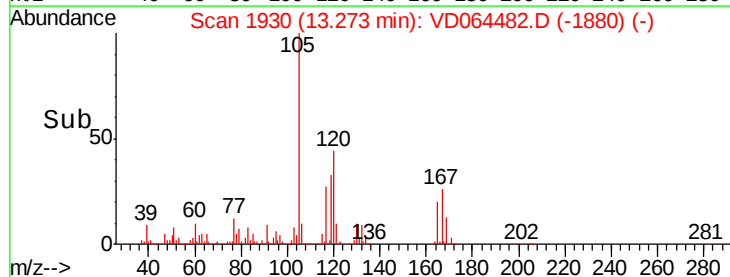
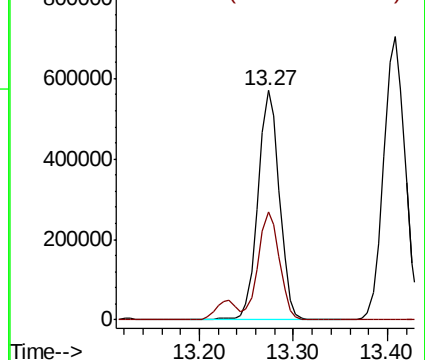
105 100

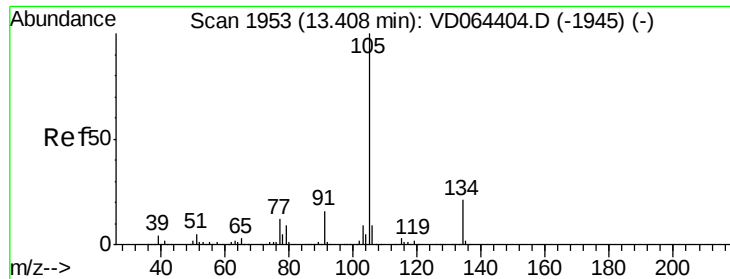
120 47.1 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.548 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

Instrument :

MSVOA_D

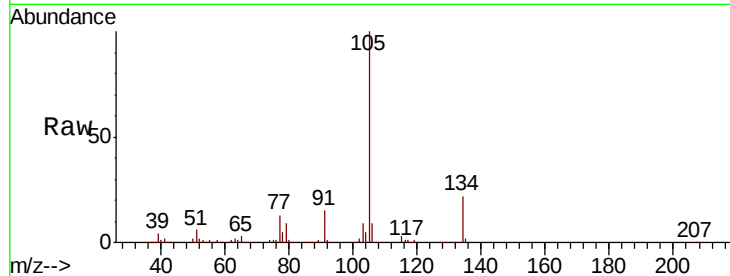
ClientSampleId :

Tot Ion:105 Resp: 1110614

Ion Ratio Lower Upper

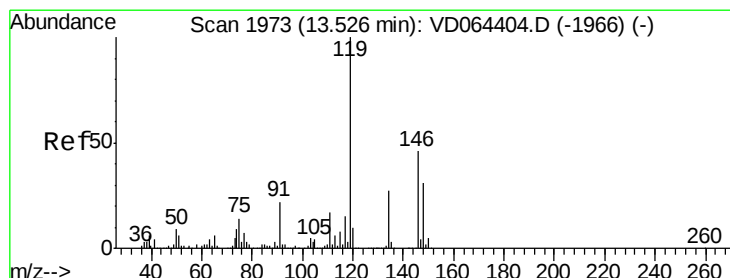
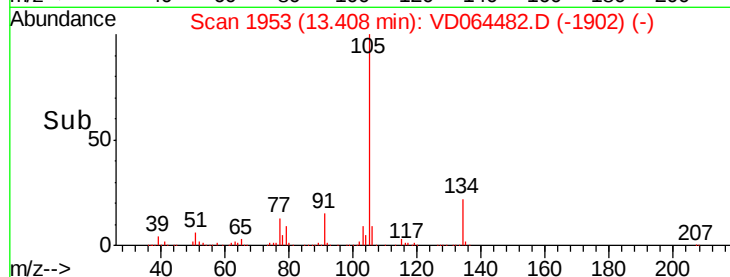
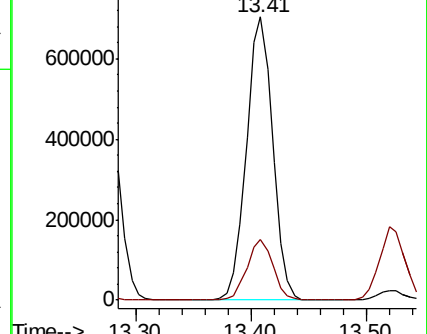
105 100

134 21.3 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: 52.907 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064482.D

Acq: 10 Dec 2019 10:21

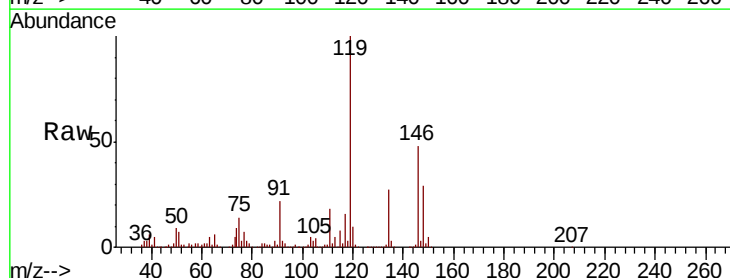
Tgt Ion:119 Resp: 1055692

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

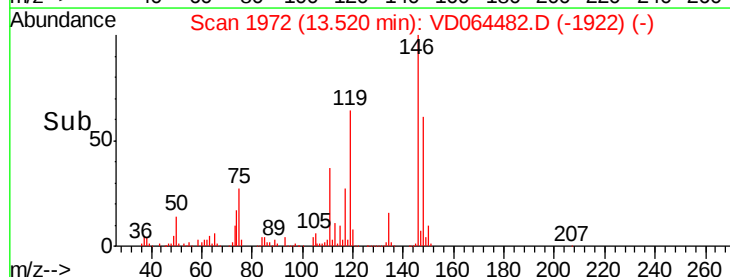
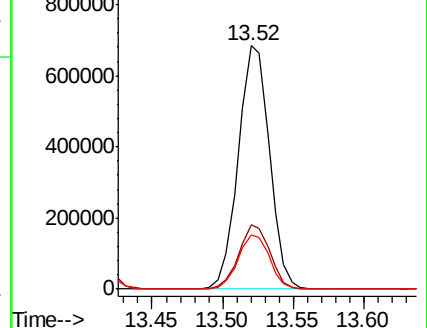
91 22.4 11.2 33.5



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

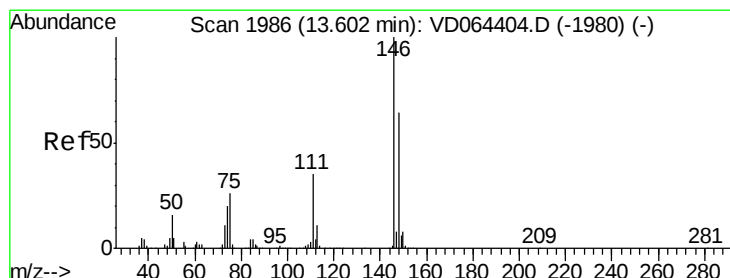
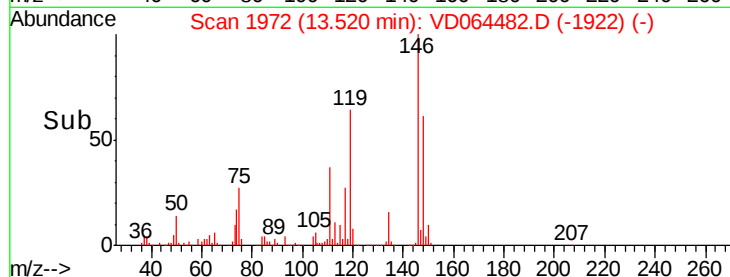
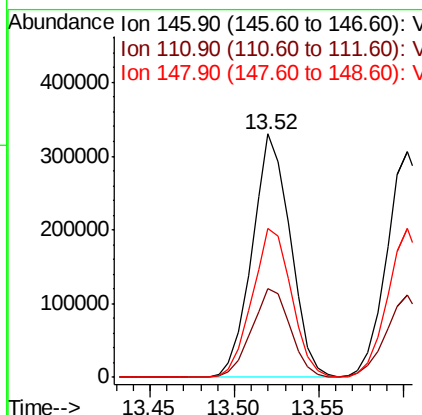
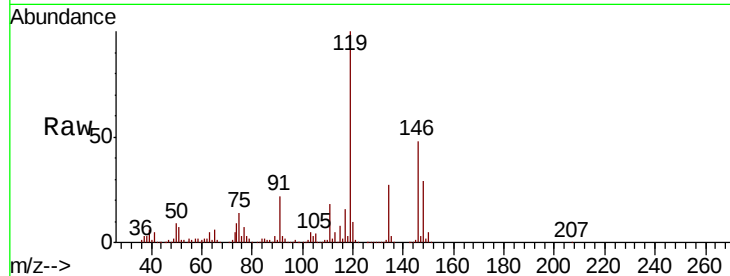




#87
 1,3-Dichlorobenzene
 Concen: 51.087 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

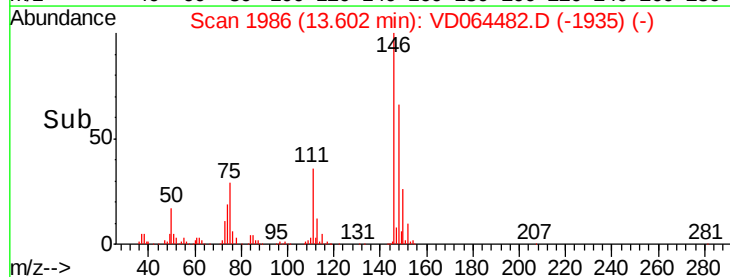
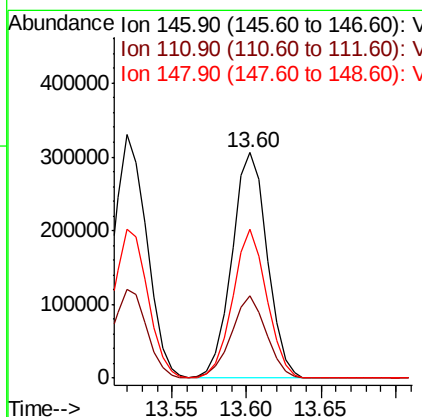
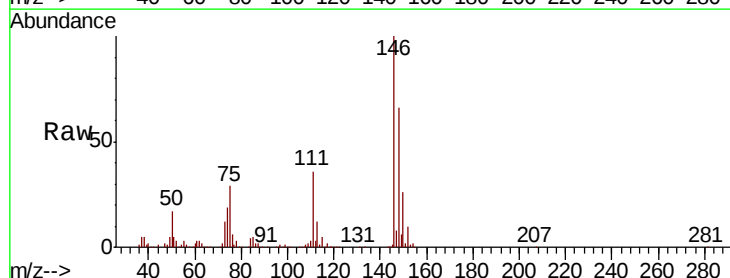
Instrument :
 MSVOA_D
 ClientSampleId :

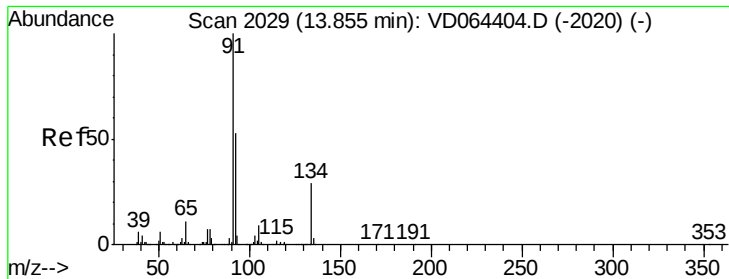
Tot Ion:146 Resp: 519006
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.8 56.4
 148 63.1 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 50.210 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

Tgt Ion:146 Resp: 503615
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.2 54.6
 148 63.5 31.8 95.4

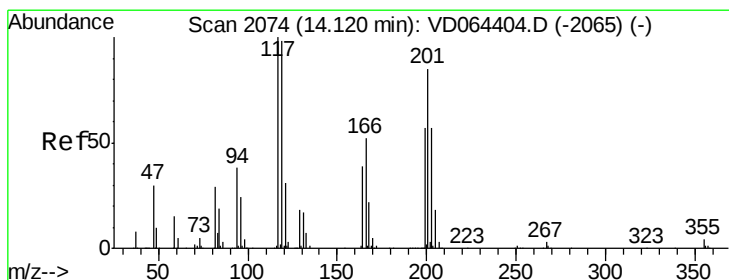
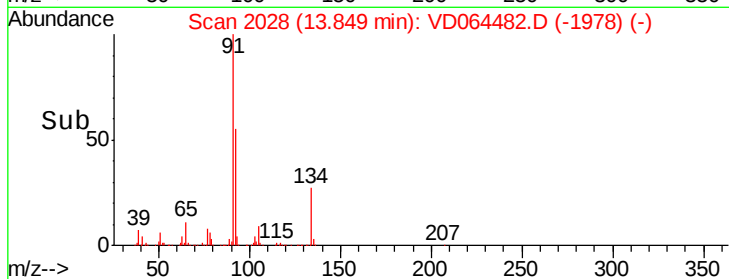
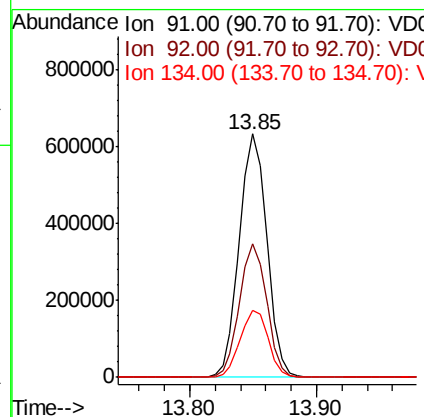
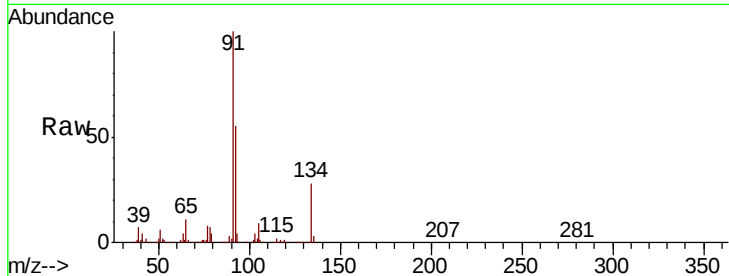




#89
n-Butylbenzene
Concen: 52.568 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

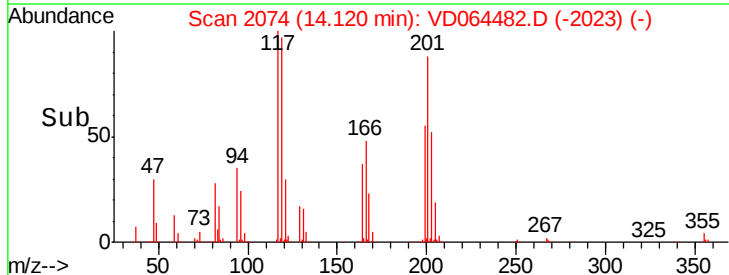
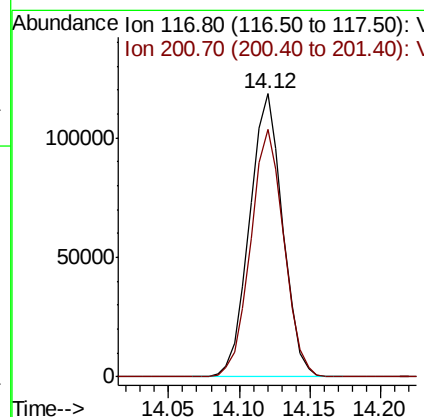
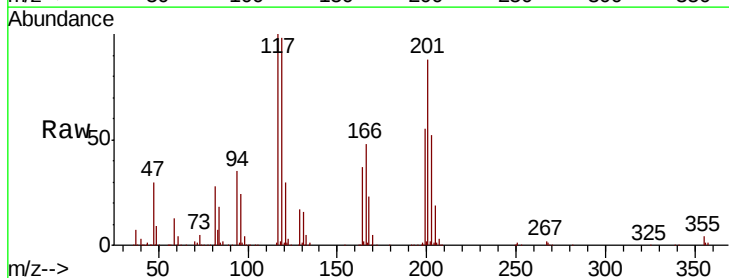
Instrument :
MSVOA_D
ClientSampleId :

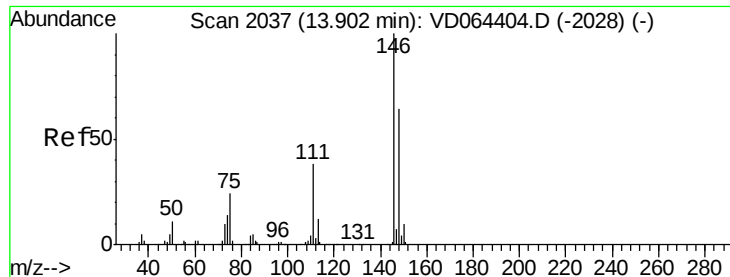
Tot Ion: 91 Resp: 952554
Ion Ratio Lower Upper
91 100
92 54.1 26.5 79.4
134 27.9 13.9 41.7



#90
Hexachloroethane
Concen: 52.299 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Tgt Ion: 117 Resp: 195184
Ion Ratio Lower Upper
117 100
201 88.1 44.3 132.8

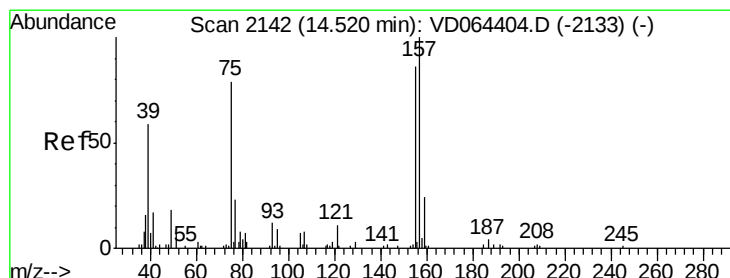
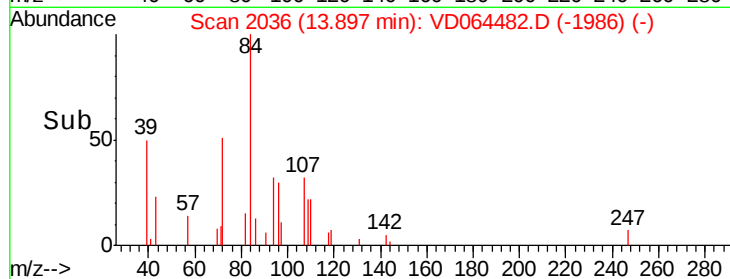
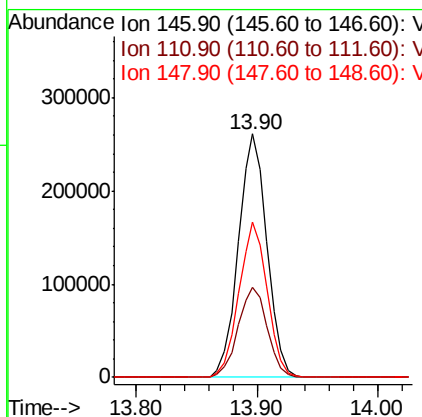
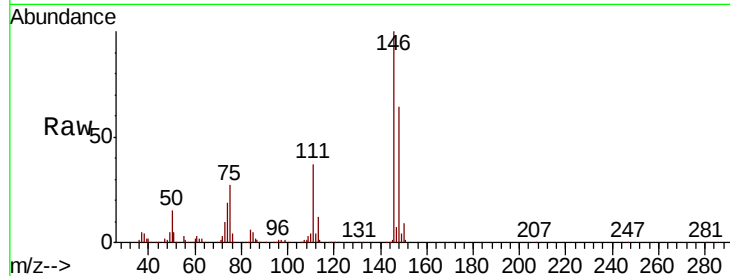




#91
 1,2-Dichlorobenzene
 Concen: 49.518 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

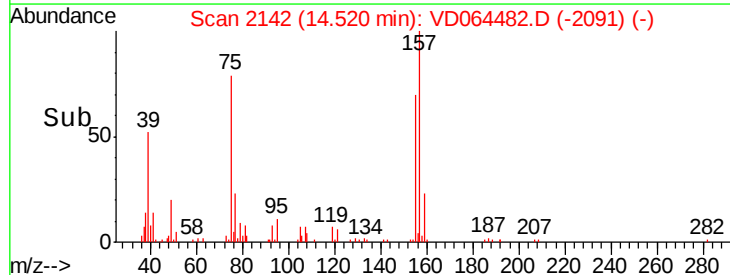
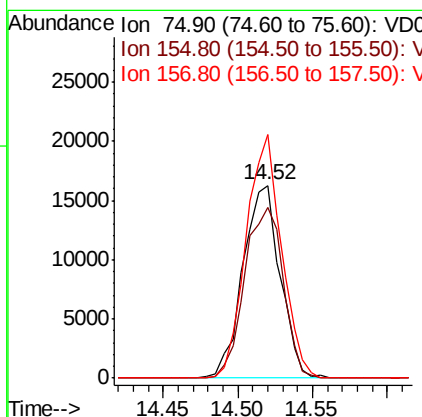
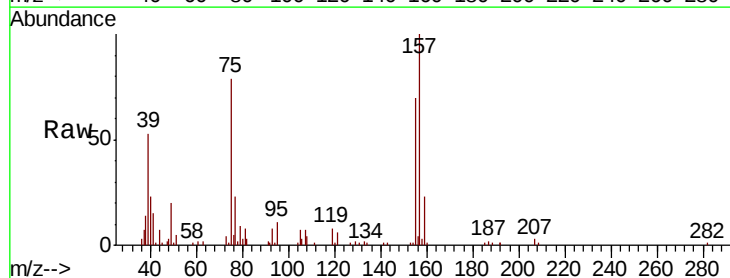
Instrument :
 MSVOA_D
 ClientSampleId :

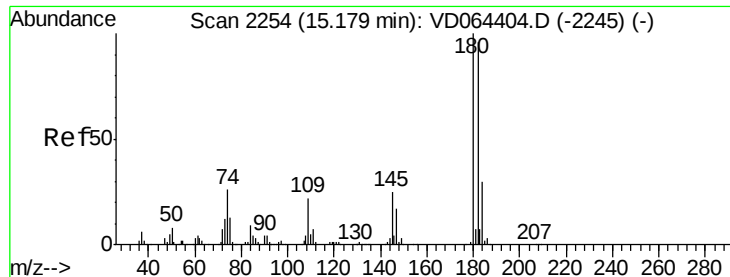
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.3
148	63.2	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.557 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	51.9	155.7
157	119.8	63.2	189.8

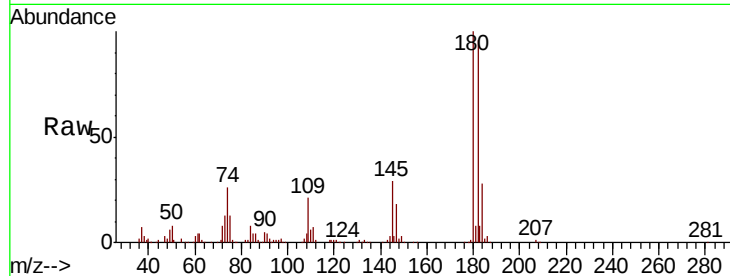




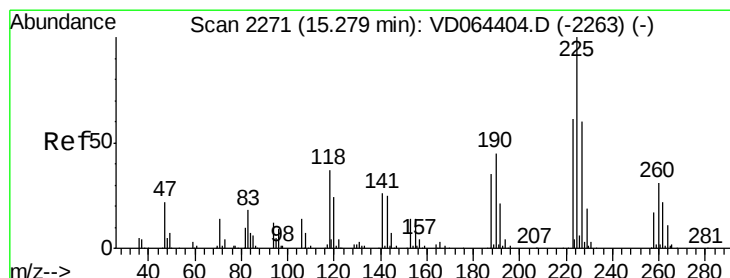
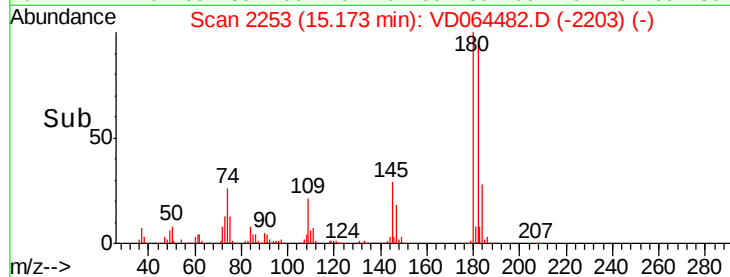
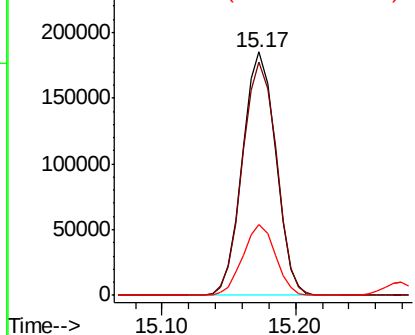
#93
 1,2,4-Trichlorobenzene
 Concen: 48.271 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.4	142.3
145	28.3	14.0	41.9

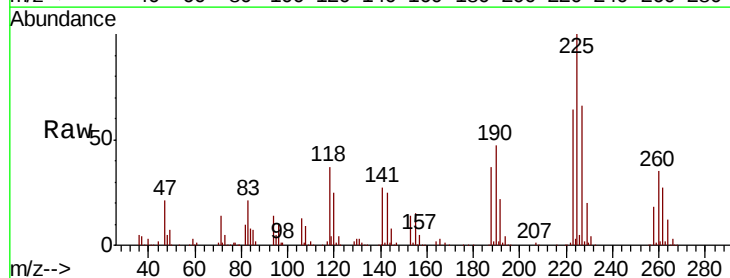


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

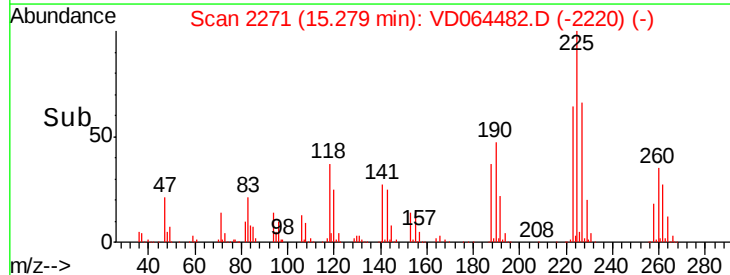
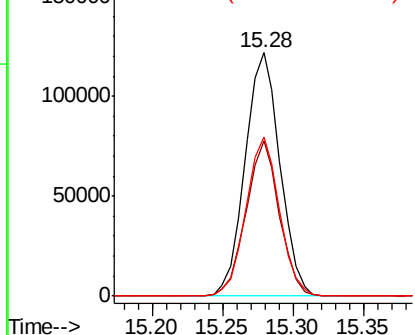


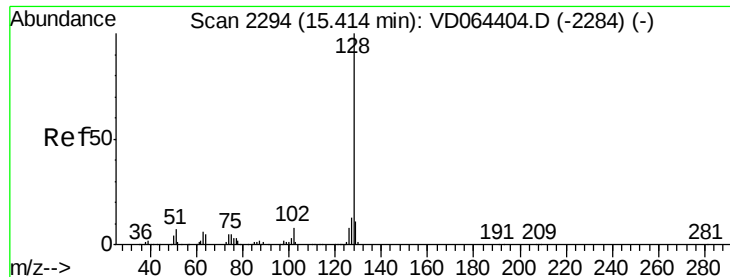
#94
 Hexachlorobutadiene
 Concen: 51.262 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064482.D
 Acq: 10 Dec 2019 10:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.1	93.3
227	62.9	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

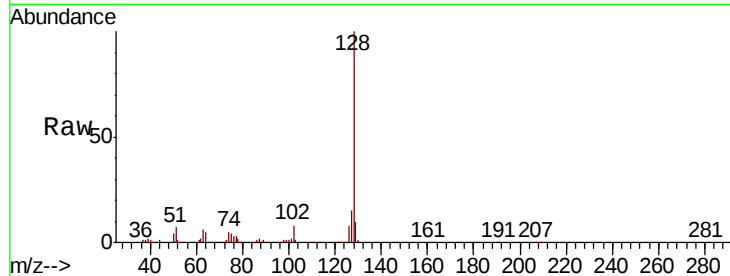




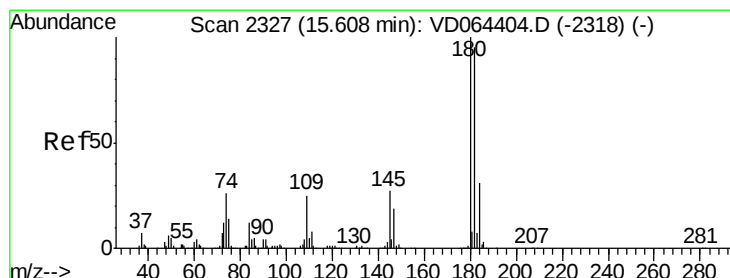
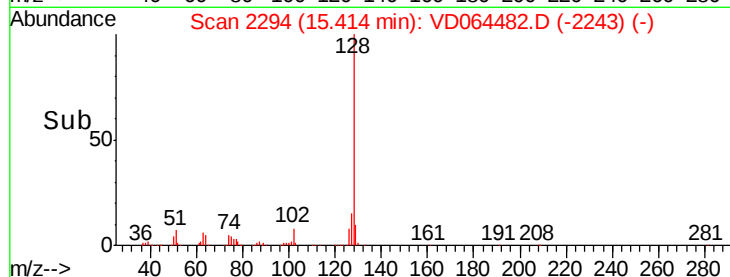
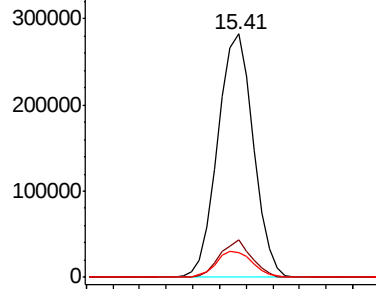
#95
Naphthalene
Concen: 46.798 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 519312
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 11.0 8.8 13.2

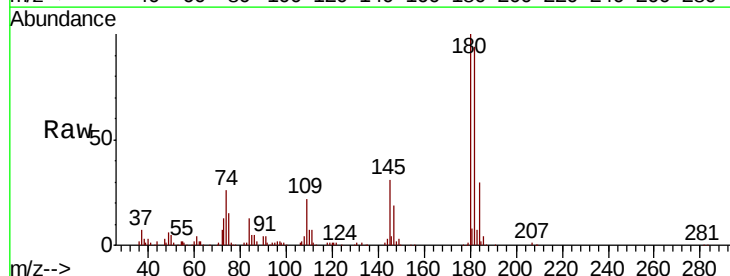


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 48.818 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064482.D
Acq: 10 Dec 2019 10:21

Tgt Ion:180 Resp: 277085
Ion Ratio Lower Upper
180 100
182 95.1 47.6 142.9
145 29.7 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

