

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\
 Data File : VD064452.D
 Acq On : 06 Dec 2019 12:06
 Operator : VA/SY
 Sample : VD1206SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 22:35:31 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	493994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	716101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	637323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	308693	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	217764	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	7.92	113	228142	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.34	98	869296	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.64	95	275472	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93360	20.858	ug/l	100
3) Chloromethane	2.21	50	115991	20.546	ug/l	97
4) Vinyl Chloride	2.35	62	136361	20.919	ug/l	97
5) Bromomethane	2.76	94	92286	19.145	ug/l	93
6) Chloroethane	2.92	64	90189	20.700	ug/l	95
7) Trichlorofluoromethane	3.27	101	232433	21.449	ug/l	94
8) Diethyl Ether	3.70	74	44689	19.846	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	97160	20.911	ug/l	98
10) Methyl Iodide	4.29	142	98541	20.083	ug/l	97
11) Tert butyl alcohol	5.26	59	25808	90.674	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	93558	21.012	ug/l	97
13) Acrolein	3.93	56	33884	87.280	ug/l	99
14) Allyl chloride	4.71	41	141981	20.432	ug/l	99
15) Acrylonitrile	5.43	53	91376	92.797	ug/l	98
16) Acetone	4.16	43	80450	89.035	ug/l	96
17) Carbon Disulfide	4.40	76	292476	20.740	ug/l	97
18) Methyl Acetate	4.73	43	50894	19.310	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	198392	19.424	ug/l	97
20) Methylene Chloride	4.97	84	107850	20.903	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	106563	21.158	ug/l	94
22) Diisopropyl ether	6.37	45	270160	19.694	ug/l	98
23) Vinyl Acetate	6.31	43	769705	95.176	ug/l	98
24) 1,1-Dichloroethane	6.27	63	169664	20.566	ug/l	98
25) 2-Butanone	7.22	43	115434	90.335	ug/l	98
26) 2,2-Dichloropropane	7.21	77	157134	21.902	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	112027	20.402	ug/l	99
28) Bromochloromethane	7.55	49	46802	16.600	ug/l	97
29) Tetrahydrofuran	7.57	42	73334	90.203	ug/l	96
30) Chloroform	7.71	83	172062	20.138	ug/l	94
31) Cyclohexane	7.98	56	166411	20.387	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	165375	20.878	ug/l	98
36) 1,1-Dichloropropene	8.11	75	136815	20.199	ug/l	98
37) Ethyl Acetate	7.30	43	53347	18.562	ug/l	97
38) Carbon Tetrachloride	8.10	117	149272	20.881	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\
 Data File : VD064452.D
 Acq On : 06 Dec 2019 12:06
 Operator : VA/SY
 Sample : VD1206SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 22:35:31 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)
39) Methylcyclohexane	9.36	83	176930	21.058	ug/l	100
40) Benzene	8.36	78	383067	20.362	ug/l	99
41) Methacrylonitrile	7.54	41	31087	18.861	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	109400	19.941	ug/l	100
43) Isopropyl Acetate	8.46	43	108642	19.225	ug/l	99
44) Trichloroethene	9.11	130	116158	20.498	ug/l	98
45) 1,2-Dichloropropane	9.39	63	92141	20.480	ug/l	98
46) Dibromomethane	9.47	93	50108	19.733	ug/l	99
47) Bromodichloromethane	9.66	83	131407	20.140	ug/l	97
48) Methyl methacrylate	9.46	41	48836	18.886	ug/l	98
49) 1,4-Dioxane	9.46	88	11798	376.252	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	262008	93.707	ug/l	99
52) Toluene	10.40	92	248999	20.310	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	122458	19.693	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	147444	19.960	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	66402	19.097	ug/l	96
56) Ethyl methacrylate	10.66	69	85195	19.211	ug/l	98
57) 1,3-Dichloropropane	10.95	76	119655	20.216	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	179653	101.622	ug/l	100
59) 2-Hexanone	10.98	43	176948	91.203	ug/l	98
60) Dibromochloromethane	11.14	129	91765	19.465	ug/l	97
61) 1,2-Dibromoethane	11.24	107	66192	19.066	ug/l	98
64) Tetrachloroethene	10.87	164	99209	20.413	ug/l	98
65) Chlorobenzene	11.67	112	268360	20.189	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	100756	20.476	ug/l	98
67) Ethyl Benzene	11.74	91	478152	20.218	ug/l	99
68) m/p-Xylenes	11.86	106	362500	40.199	ug/l	100
69) o-Xylene	12.18	106	163781	19.666	ug/l	97
70) Styrene	12.20	104	288221	19.915	ug/l	100
71) Bromoform	12.36	173	54535	18.524	ug/l #	99
73) Isopropylbenzene	12.48	105	454535	20.473	ug/l	100
74) N-amyl acetate	12.29	43	94565	18.767	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70084	19.089	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	93218	36.720	ug/l #	100
77) Bromobenzene	12.77	156	111599	20.355	ug/l	99
78) n-propylbenzene	12.83	91	540247	21.090	ug/l	98
79) 2-Chlorotoluene	12.91	91	285801	20.276	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	373811	20.604	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22484	19.313	ug/l	93
82) 4-Chlorotoluene	13.01	91	304295	20.390	ug/l	99
83) tert-Butylbenzene	13.23	119	334466	21.205	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	368851	20.218	ug/l	99
85) sec-Butylbenzene	13.41	105	447074	20.652	ug/l	99
86) p-Isopropyltoluene	13.52	119	418963	20.499	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	206712	19.865	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	203723	19.830	ug/l	98
89) n-Butylbenzene	13.85	91	378338	20.384	ug/l	99
90) Hexachloroethane	14.12	117	77631	20.308	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	176056	19.797	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11265	17.705	ug/l	97

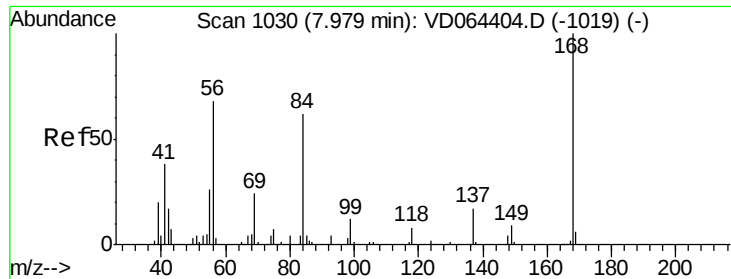
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120619\
Data File : VD064452.D
Acq On : 06 Dec 2019 12:06
Operator : VA/SY
Sample : VD1206SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 06 22:35:31 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	134244	19.711	ug/l	98
94) Hexachlorobutadiene	15.28	225	83362	19.827	ug/l	97
95) Naphthalene	15.41	128	212317	18.680	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	114083	19.623	ug/l	98

(#) = 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: VD064452.D

Acq: 06 Dec 2019 12:06

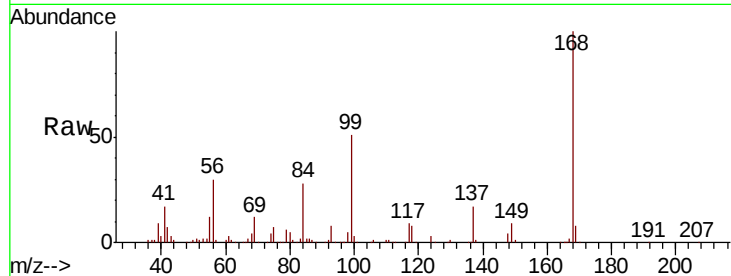
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 493994

Ion Ratio Lower Upper

168 100

99 51.1 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

250000

200000

150000

100000

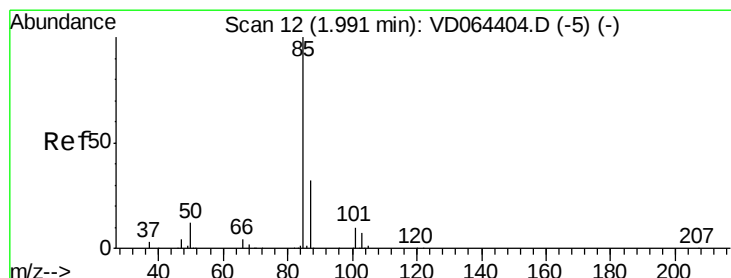
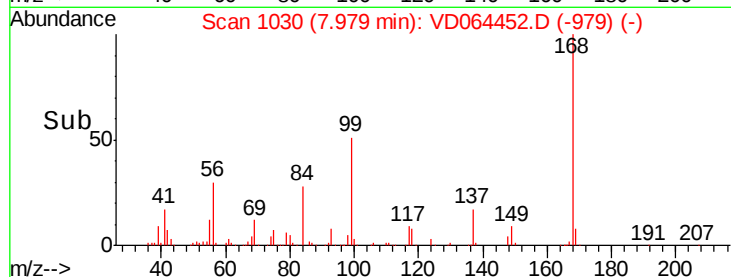
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.858 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064452.D

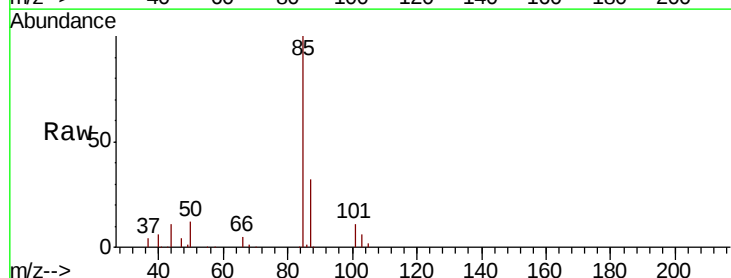
Acq: 06 Dec 2019 12:06

Tgt Ion: 85 Resp: 93360

Ion Ratio Lower Upper

85 100

87 32.1 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

60000

40000

20000

0

1.90

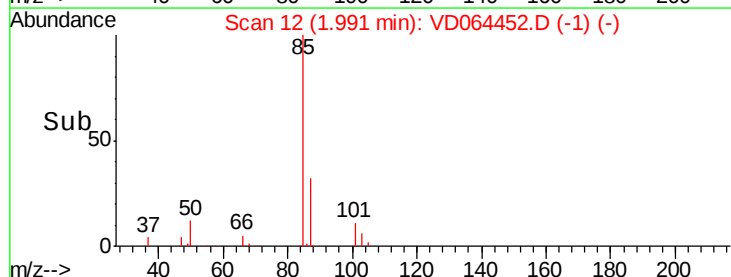
1.95

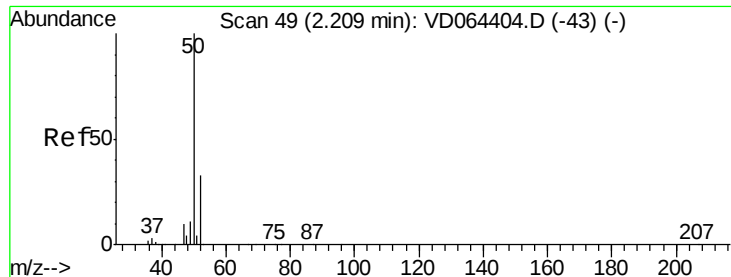
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 20.546 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

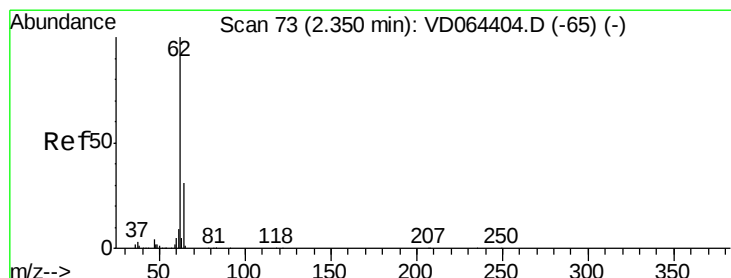
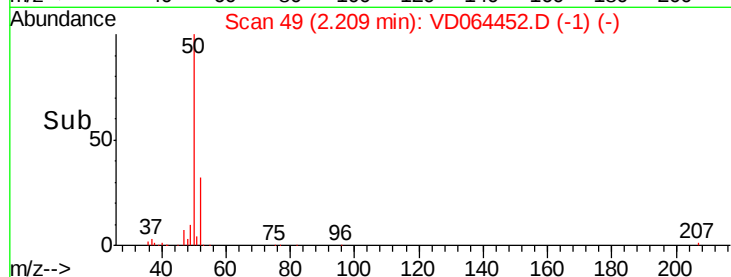
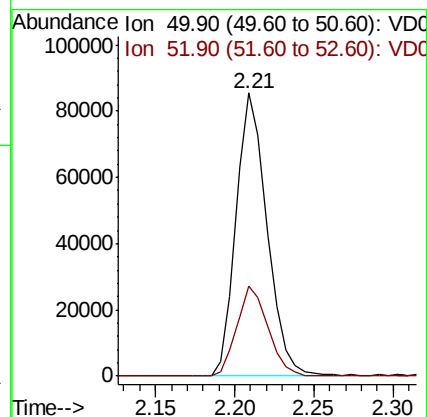
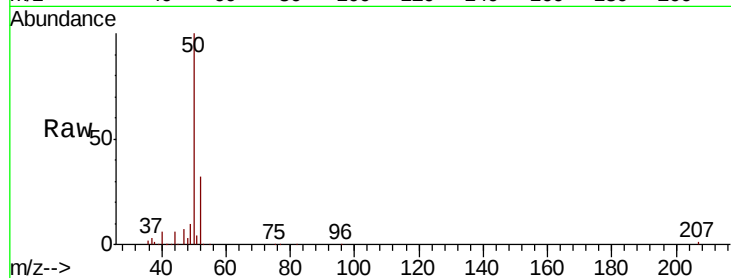
ClientSampleId :

Tot Ion: 50 Resp: 115991

Ion Ratio Lower Upper

50 100

52 31.9 26.7 40.1



#4

Vinyl Chloride

Concen: 20.919 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064452.D

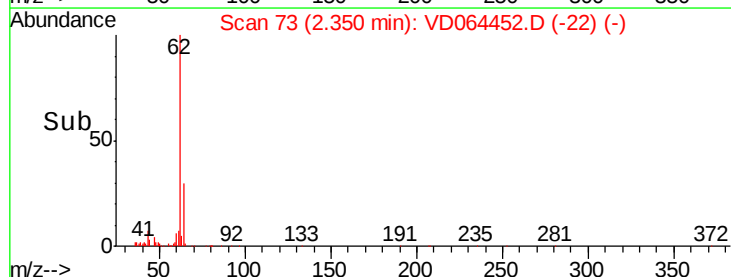
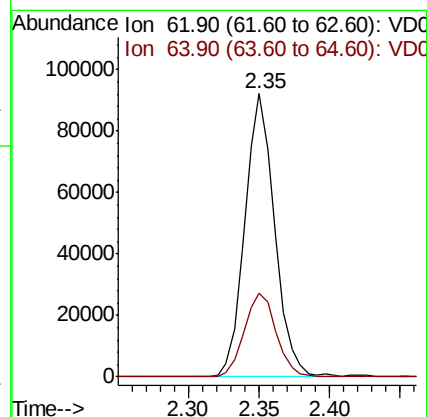
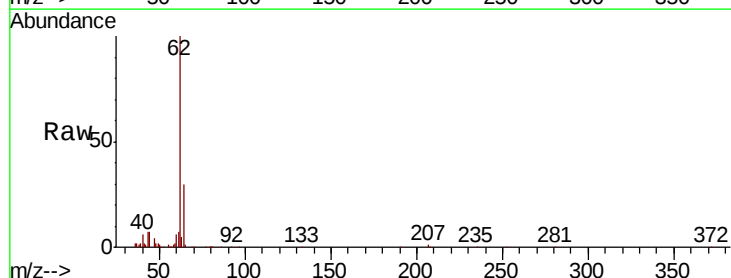
Acq: 06 Dec 2019 12:06

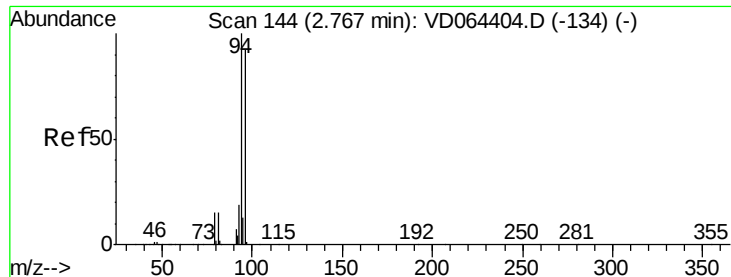
Tgt Ion: 62 Resp: 136361

Ion Ratio Lower Upper

62 100

64 29.5 25.0 37.4





#5

Bromomethane

Concen: 19.145 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

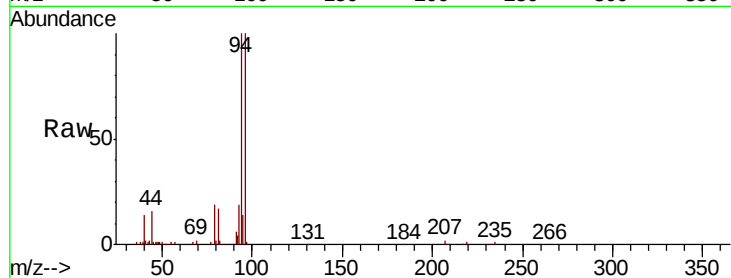
ClientSampleId :

Tot Ion: 94 Resp: 92286

Ion Ratio Lower Upper

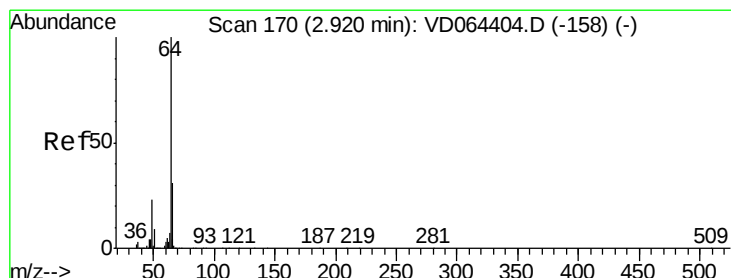
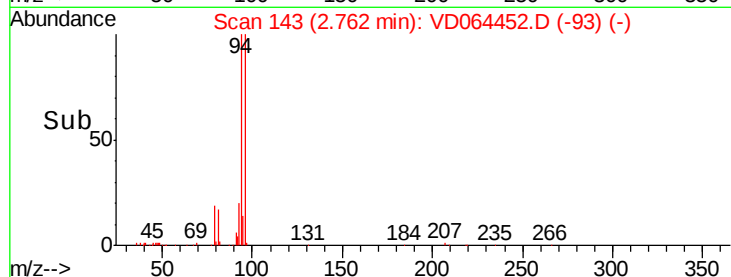
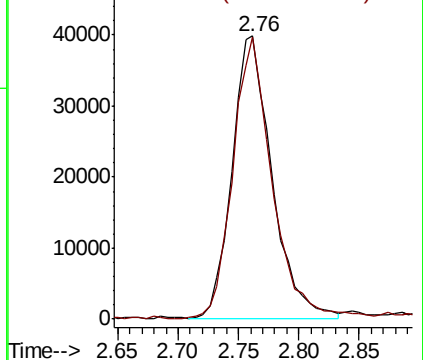
94 100

96 99.1 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: 20.700 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064452.D

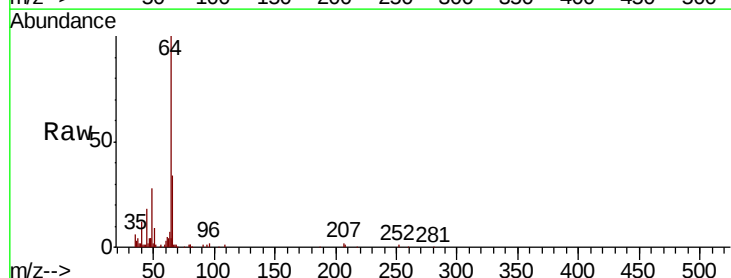
Acq: 06 Dec 2019 12:06

Tgt Ion: 64 Resp: 90189

Ion Ratio Lower Upper

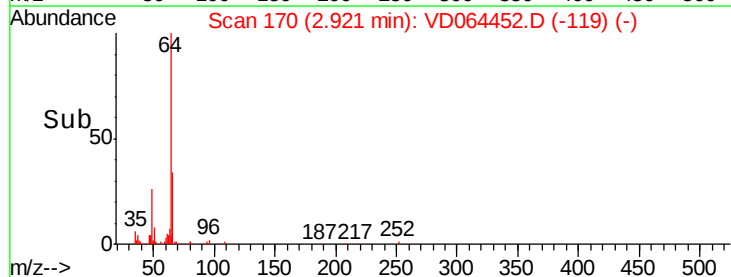
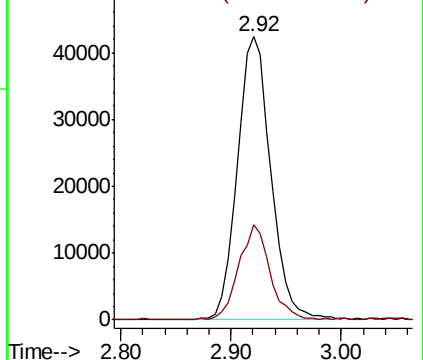
64 100

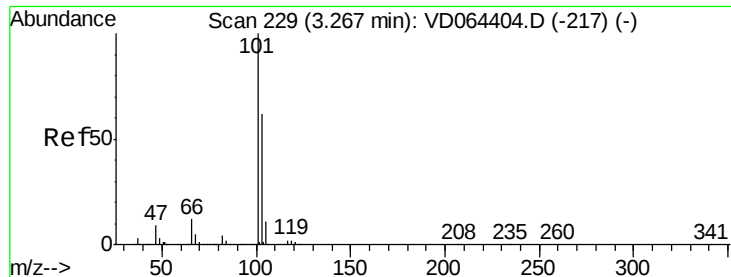
66 33.6 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



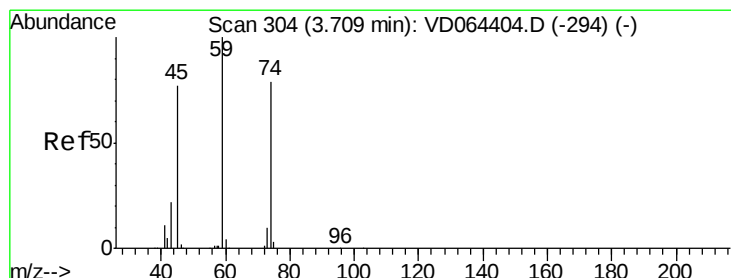
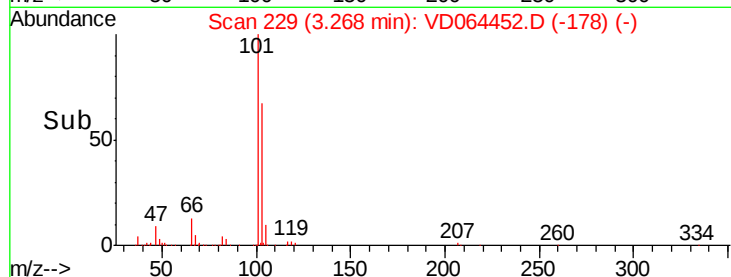
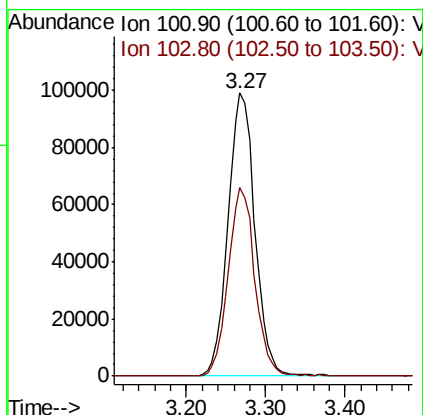
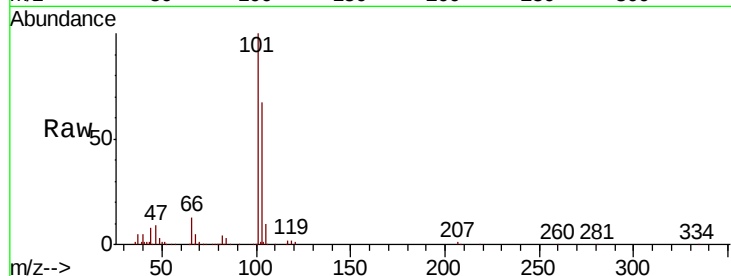


#7

Trichlorofluoromethane
 Concen: 21.449 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

Instrument :
 MSVOA_D
 ClientSampleId :

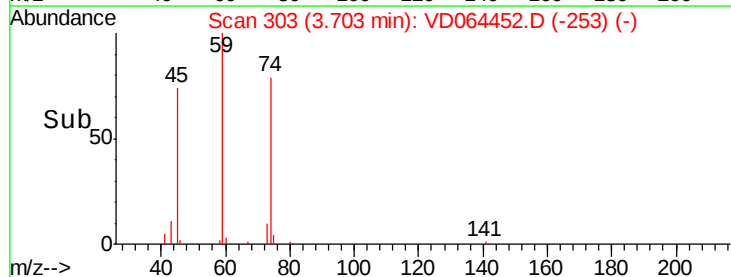
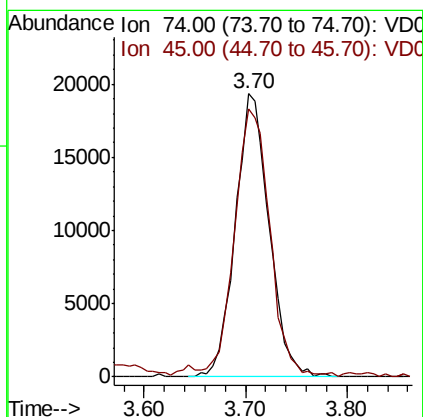
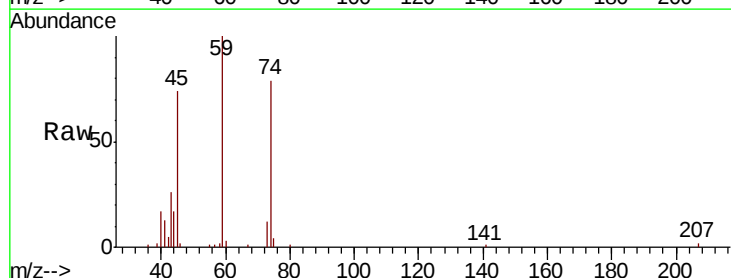
Tot Ion:101 Resp: 232433
 Ion Ratio Lower Upper
 101 100
 103 66.6 49.8 74.6

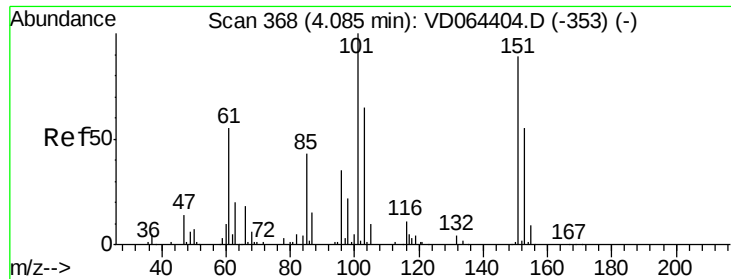


#8

Diethyl Ether
 Concen: 19.846 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

Tgt Ion: 74 Resp: 44689
 Ion Ratio Lower Upper
 74 100
 45 99.1 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.911 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

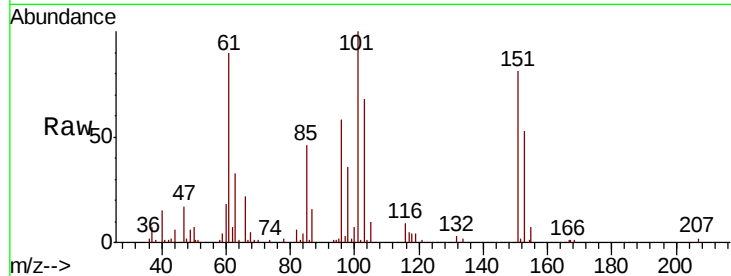
Tot Ion:101 Resp: 97160

Ion Ratio Lower Upper

101 100

85 44.5 34.8 52.2

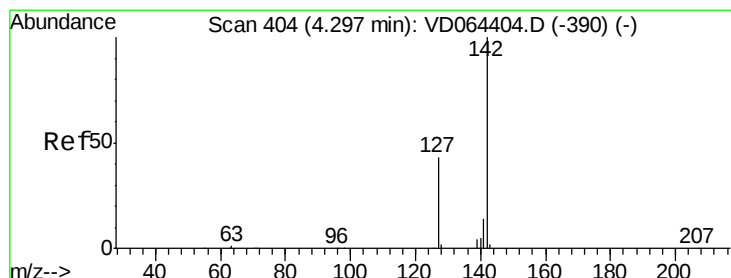
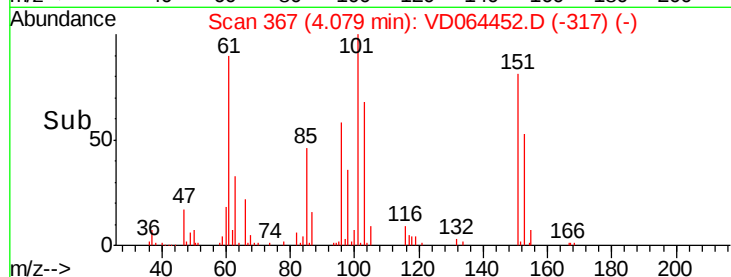
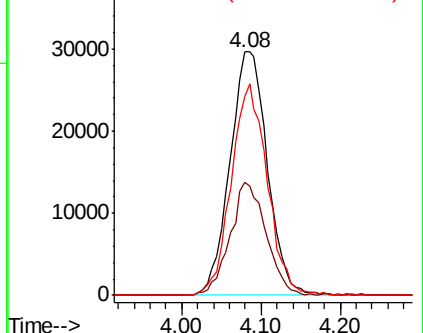
151 83.3 68.8 103.2



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: 20.083 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

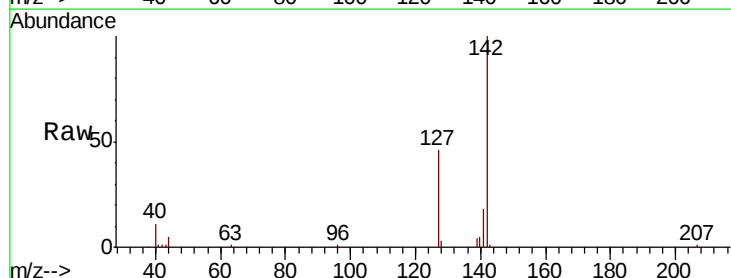
Tgt Ion:142 Resp: 98541

Ion Ratio Lower Upper

142 100

127 46.1 35.3 52.9

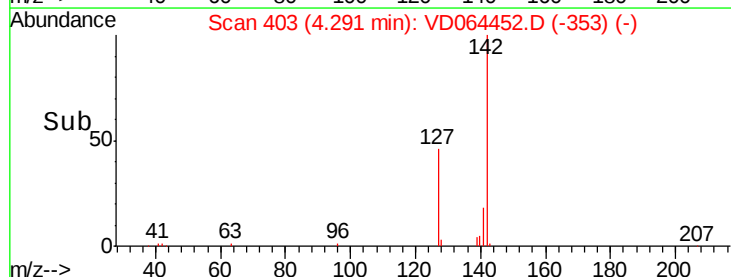
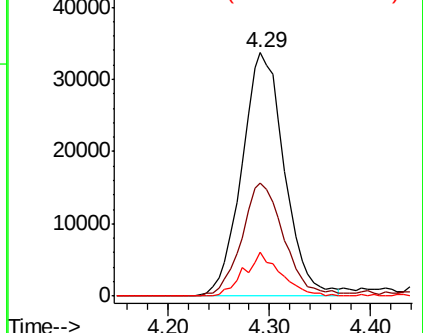
141 15.6 11.6 17.4

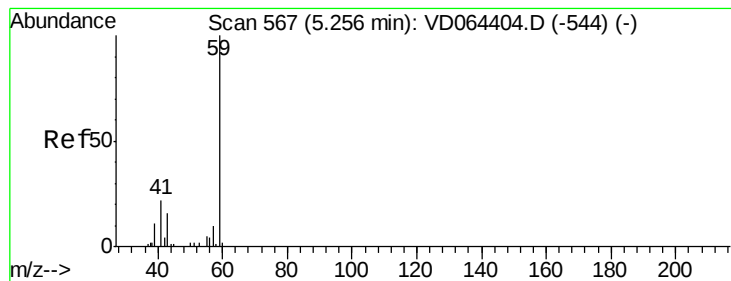


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



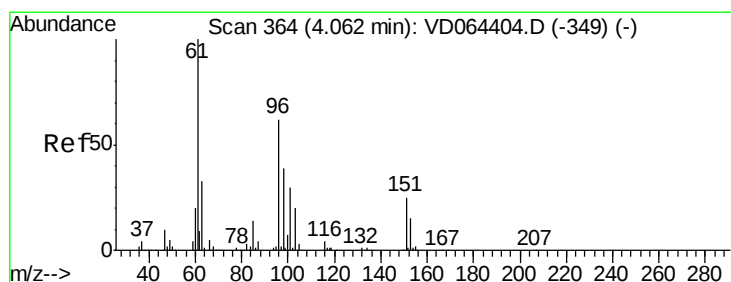
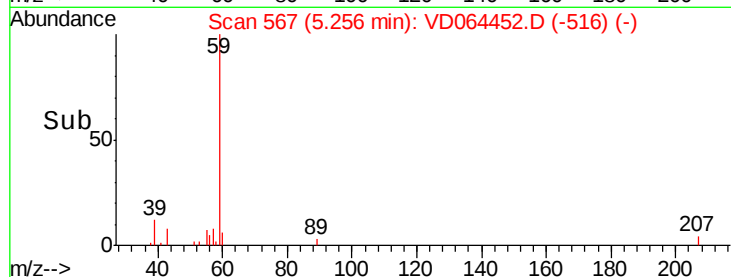
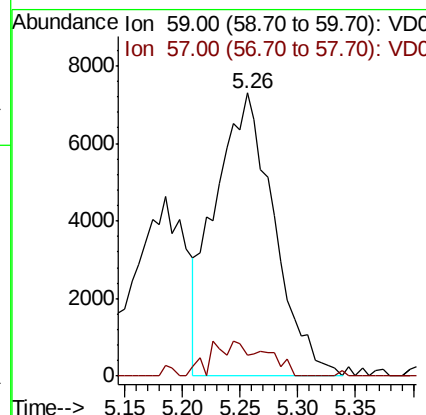
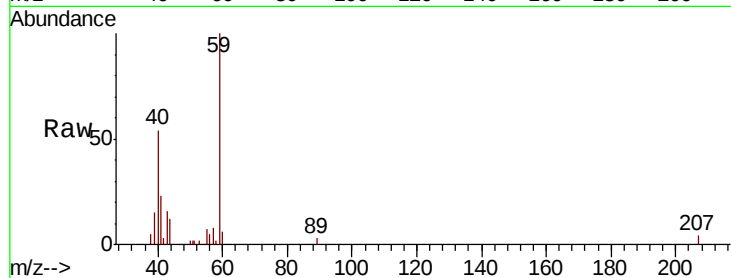


#11

Tert butyl alcohol
Concen: 90.674 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Instrument :
MSVOA_D
ClientSampleId :

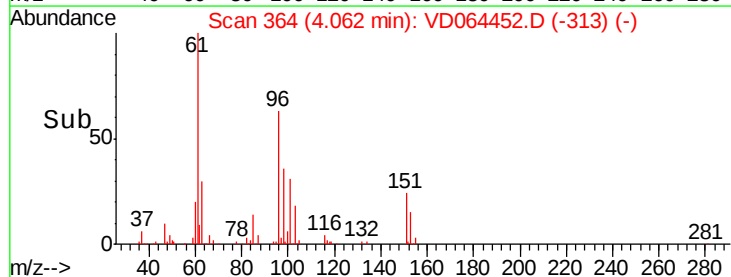
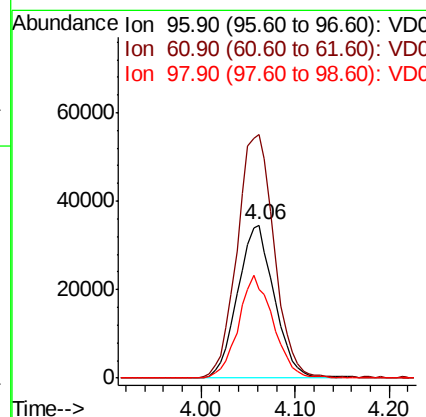
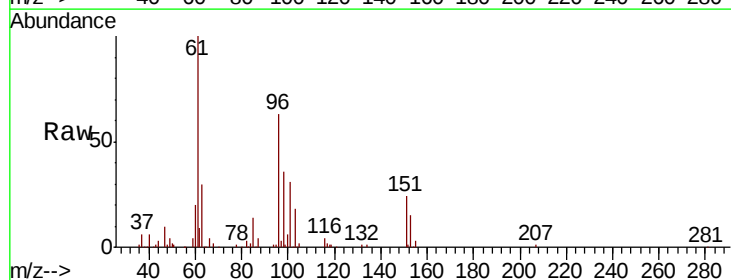
Tot Ion: 59 Resp: 25808
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

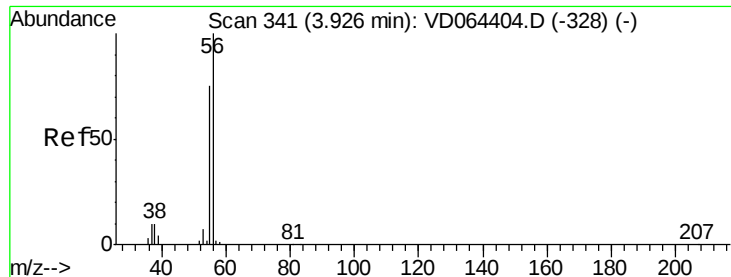


#12

1,1-Dichloroethene
Concen: 21.012 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Tgt Ion: 96 Resp: 93558
Ion Ratio Lower Upper
96 100
61 158.9 128.2 192.4
98 57.4 50.4 75.6





#13

Acrolein

Concen: 87.280 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

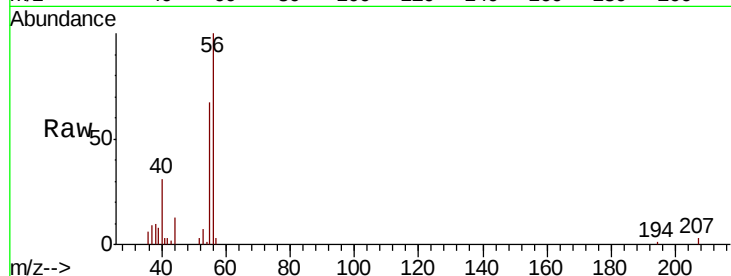
ClientSampled :

Tot Ion: 56 Resp: 33884

Ion Ratio Lower Upper

56 100

55 72.1 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

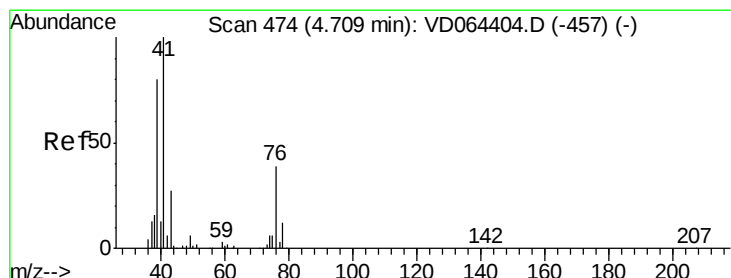
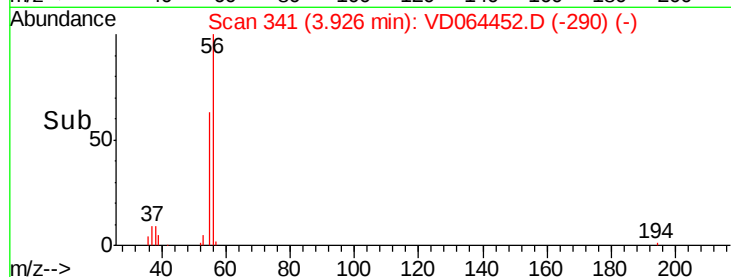
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 20.432 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

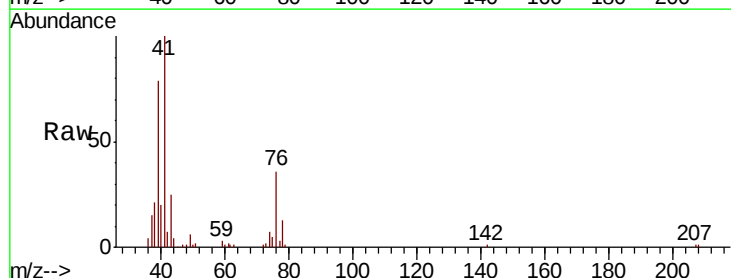
Tgt Ion: 41 Resp: 141981

Ion Ratio Lower Upper

41 100

39 76.4 62.1 93.1

76 38.0 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

4.71

60000

50000

40000

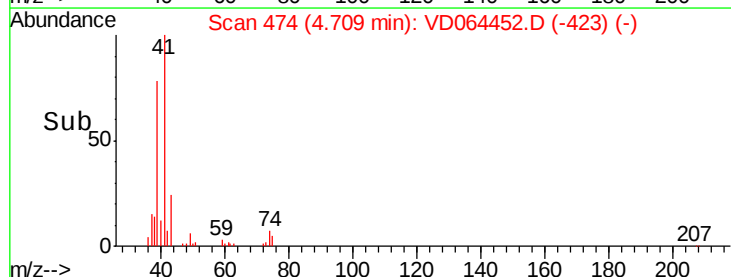
30000

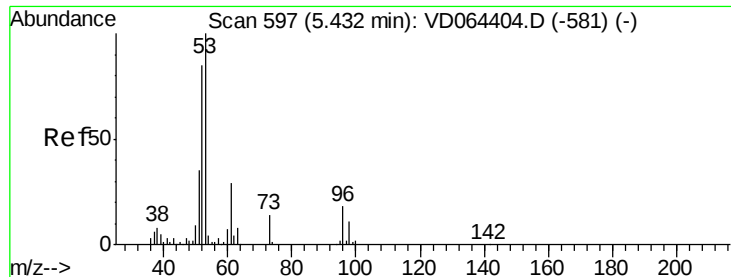
20000

10000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 92.797 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

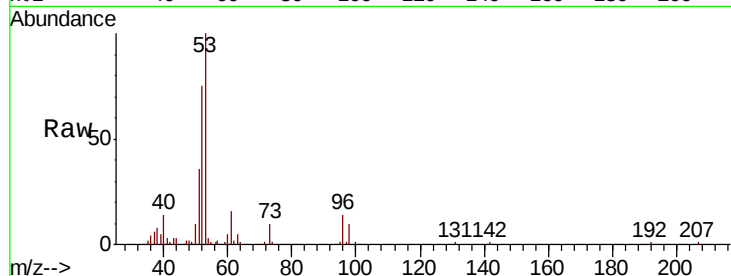
Tot Ion: 53 Resp: 91376

Ion Ratio Lower Upper

53 100

52 82.9 67.9 101.9

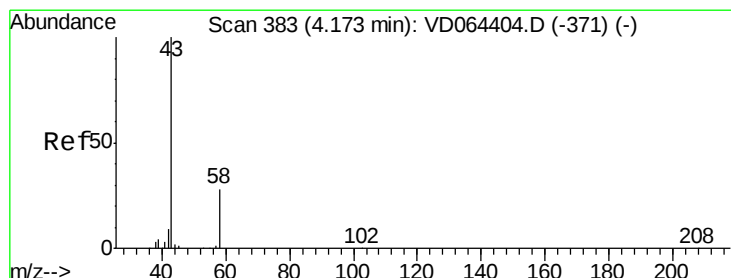
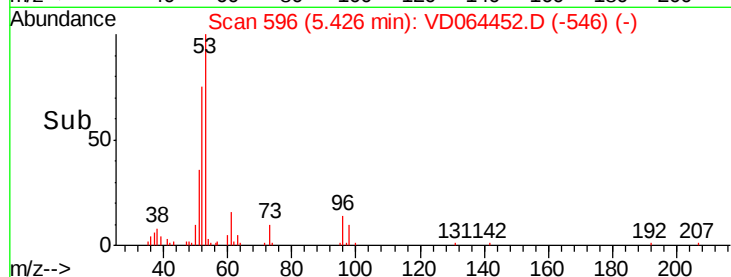
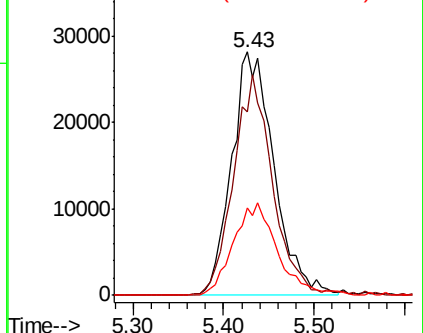
51 38.6 30.6 45.8



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: 89.035 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064452.D

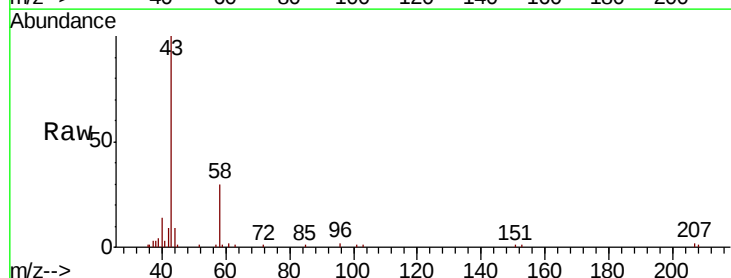
Acq: 06 Dec 2019 12:06

Tgt Ion: 43 Resp: 80450

Ion Ratio Lower Upper

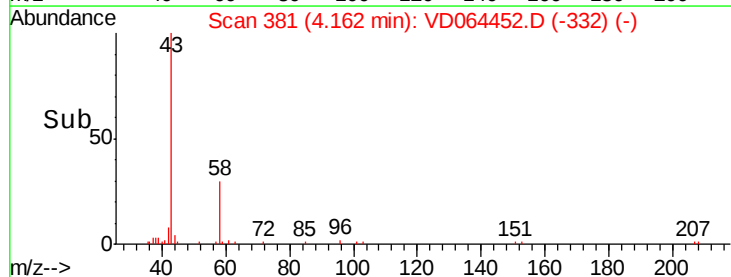
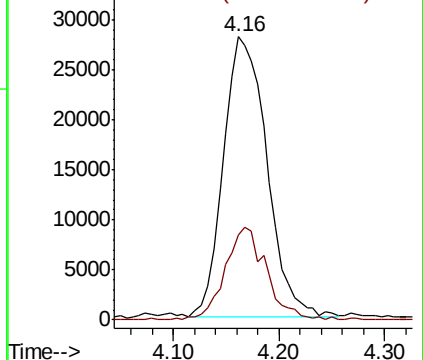
43 100

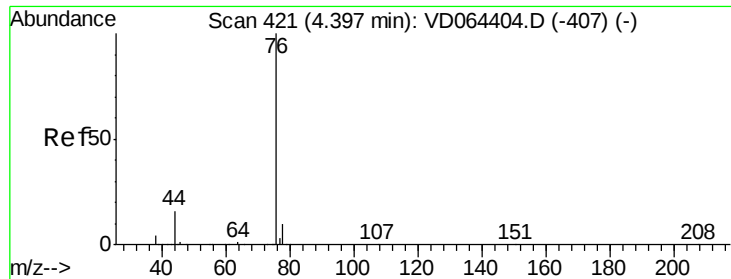
58 30.1 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

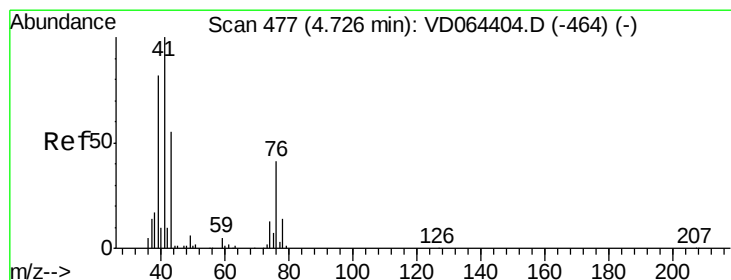
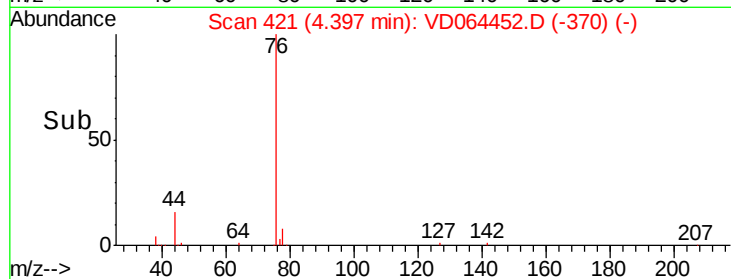
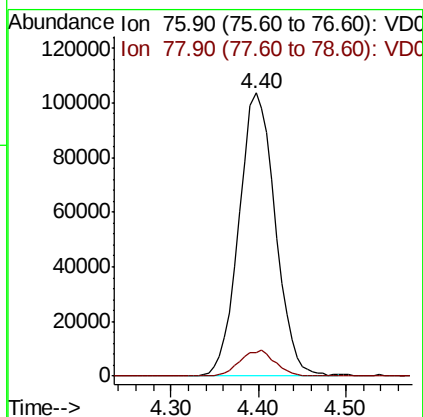
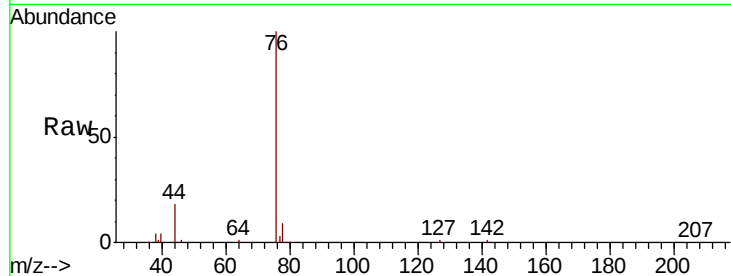




#17
Carbon Disulfide
Concen: 20.740 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

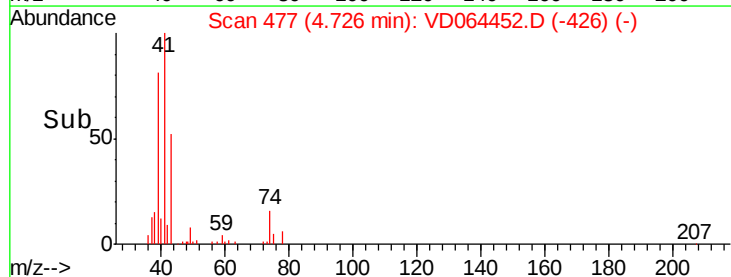
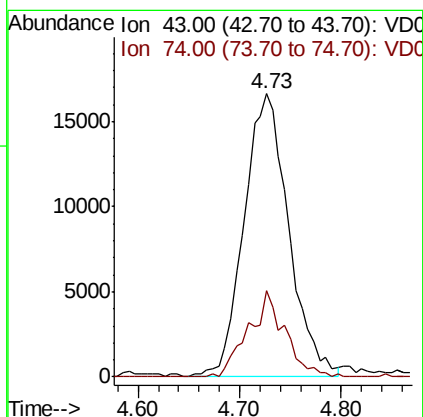
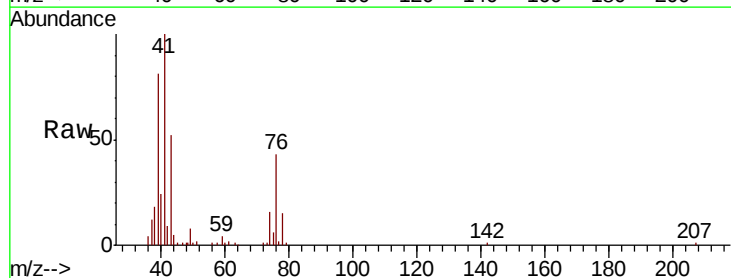
Instrument :
MSVOA_D
ClientSampled :

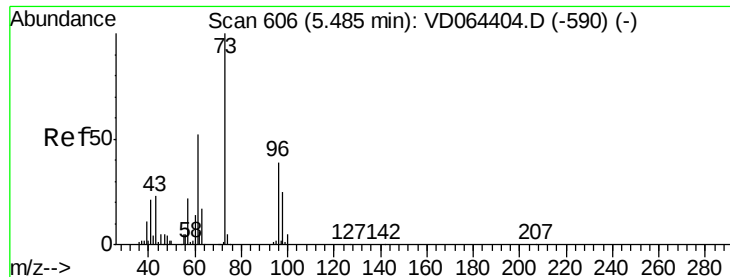
Tot Ion: 76 Resp: 292476
Ion Ratio Lower Upper
76 100
78 8.5 7.8 11.8



#18
Methyl Acetate
Concen: 19.310 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Tgt Ion: 43 Resp: 50894
Ion Ratio Lower Upper
43 100
74 24.7 19.7 29.5



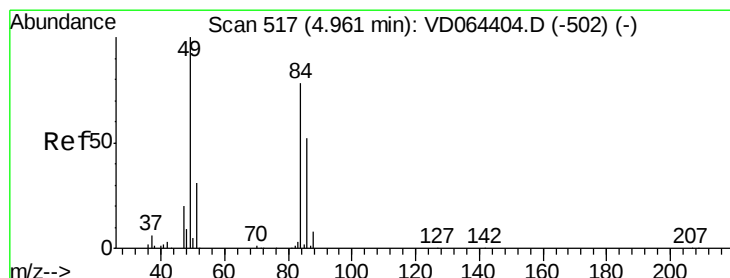
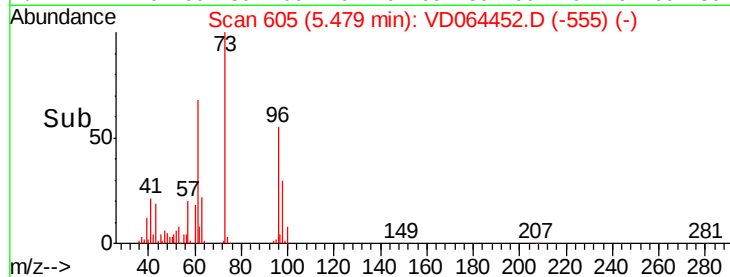
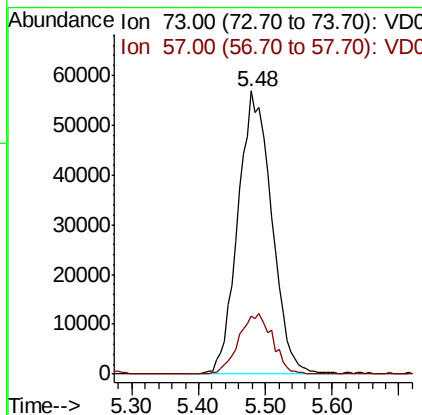
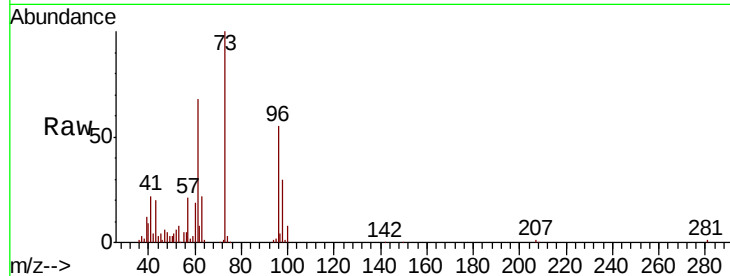


#19

Methyl tert-butyl Ether
 Concen: 19.424 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

Instrument :
 MSVOA_D
 ClientSampled :

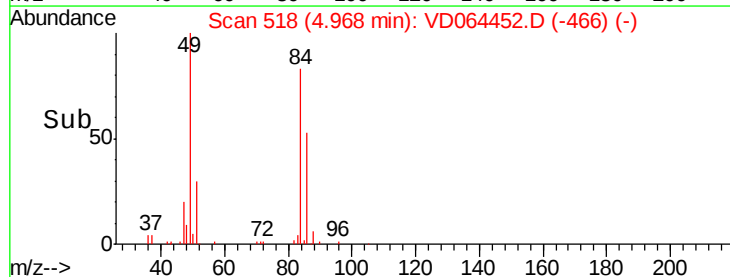
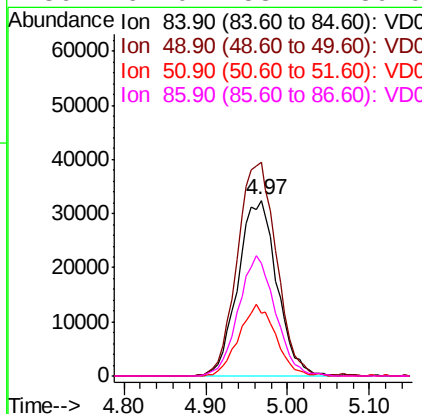
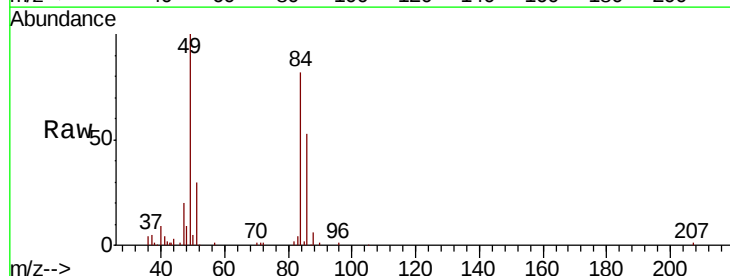
Tot Ion: 73 Resp: 198392
 Ion Ratio Lower Upper
 73 100
 57 20.5 17.6 26.4

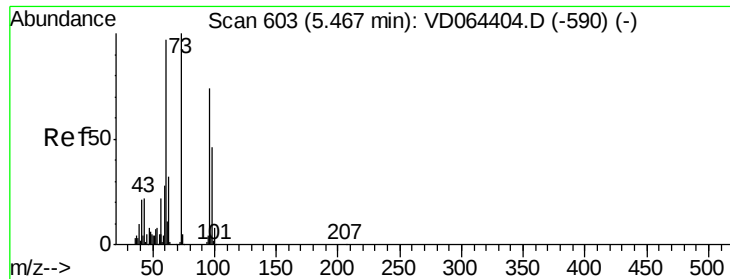


#20

Methylene Chloride
 Concen: 20.903 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

Tgt Ion: 84 Resp: 107850
 Ion Ratio Lower Upper
 84 100
 49 121.7 102.6 153.8
 51 36.1 32.0 48.0
 86 64.0 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.158 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

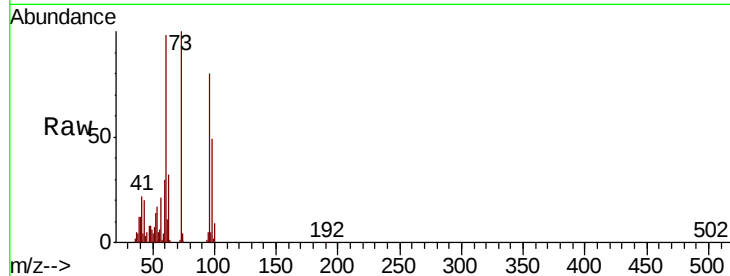
Tot Ion: 96 Resp: 106563

Ion Ratio Lower Upper

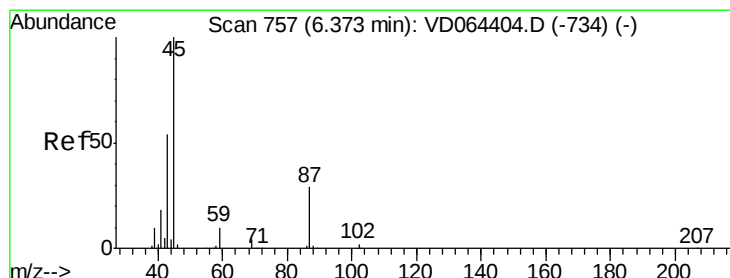
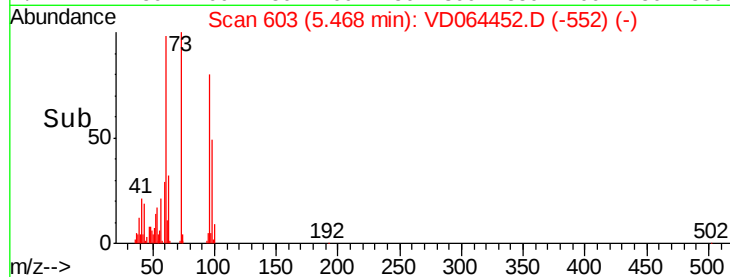
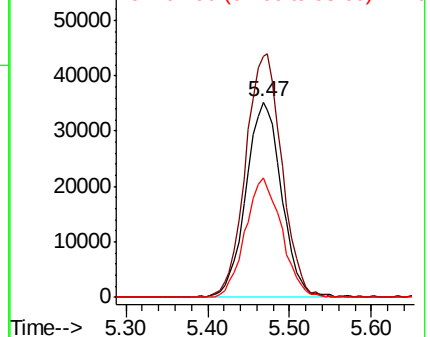
96 100

61 123.6 105.8 158.6

98 61.1 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: 19.694 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Tgt Ion: 45 Resp: 270160

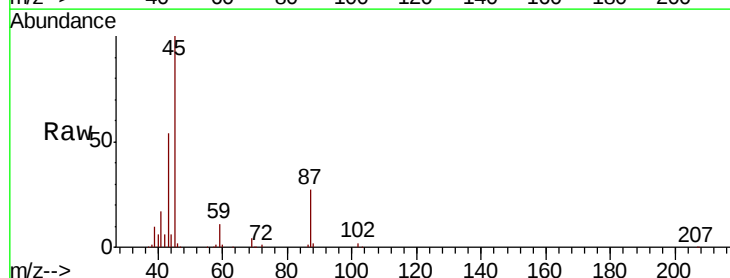
Ion Ratio Lower Upper

45 100

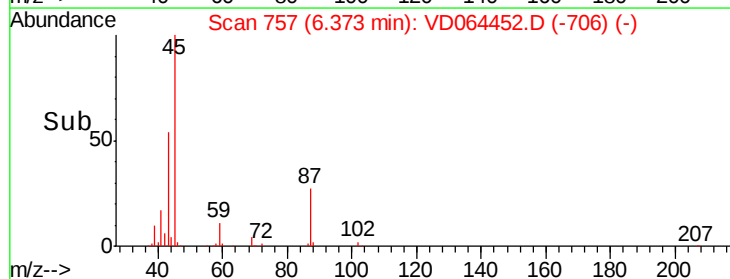
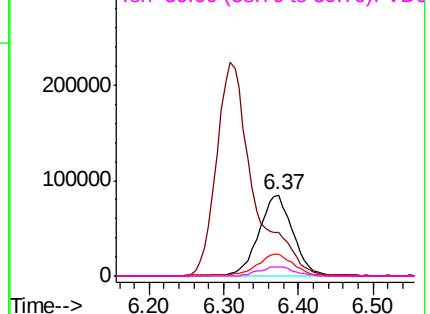
43 53.1 43.1 64.7

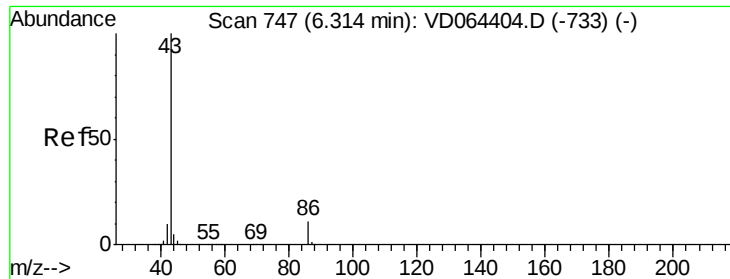
87 27.4 23.5 35.3

59 10.7 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

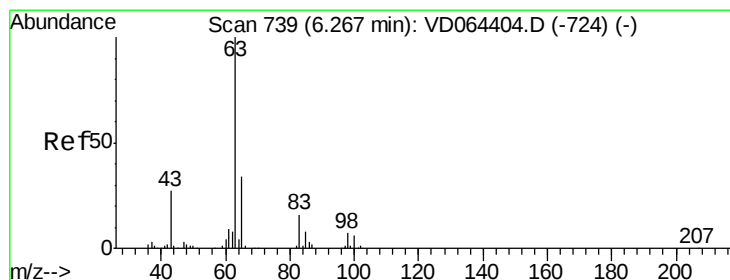
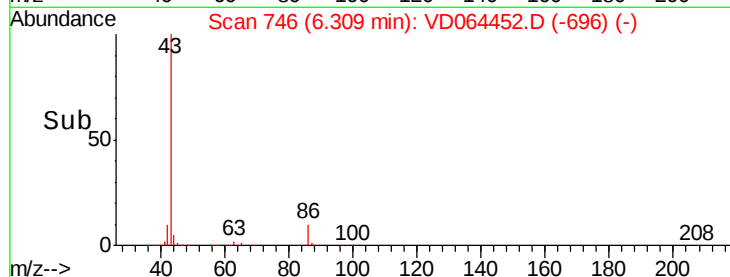
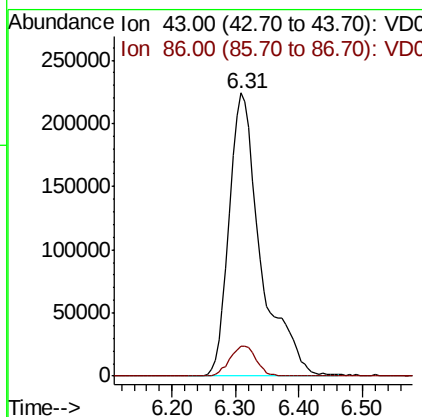
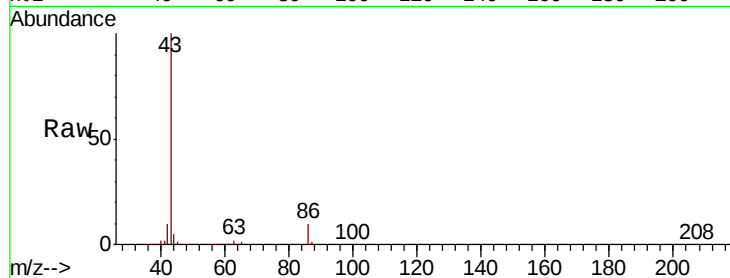




#23
 Vinyl Acetate
 Concen: 95.176 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

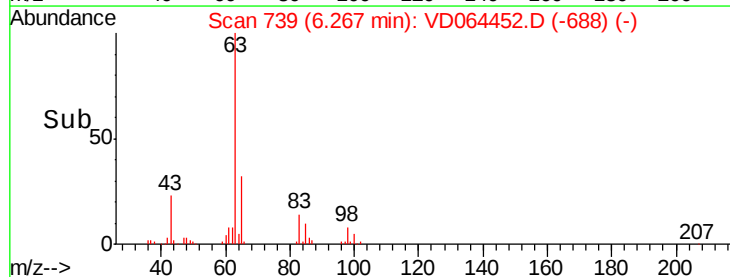
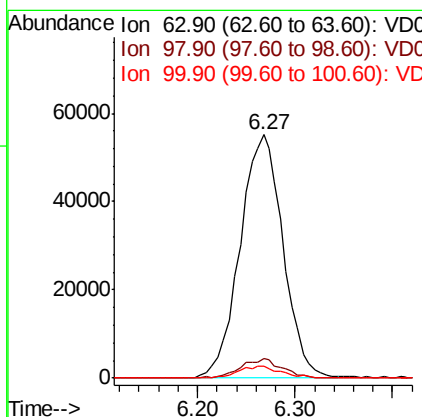
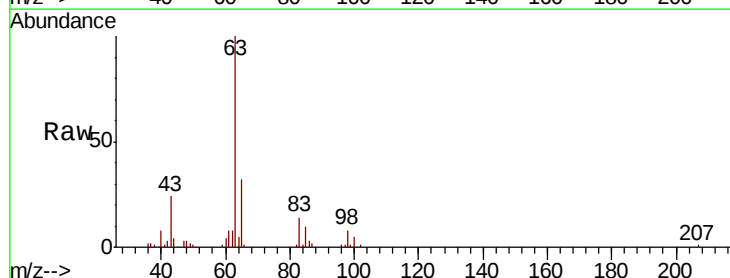
Instrument :
 MSVOA_D
 ClientSampled :

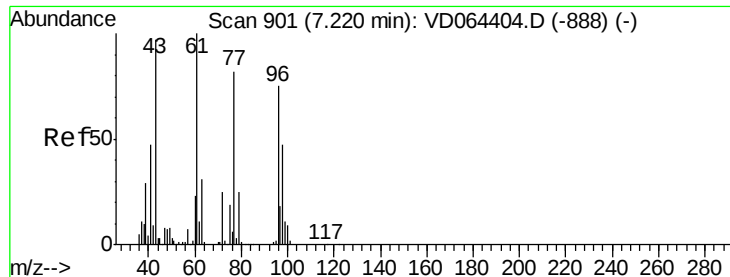
Tot Ion: 43 Resp: 769705
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 20.566 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

Tgt Ion: 63 Resp: 169664
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.6 10.9
 100 5.1 2.9 8.6





#25

2-Butanone

Concen: 90.335 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

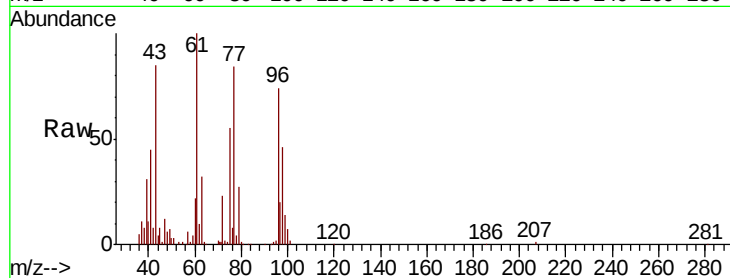
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 115434

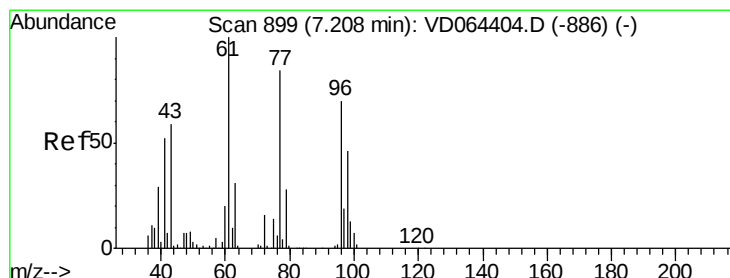
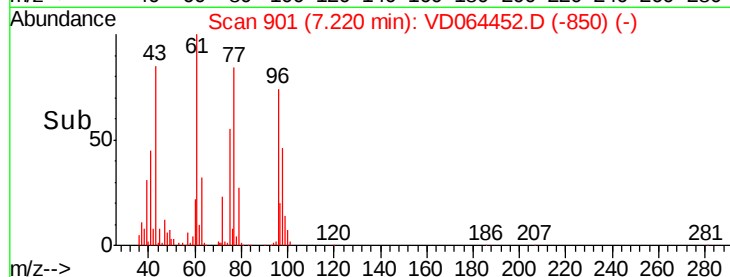
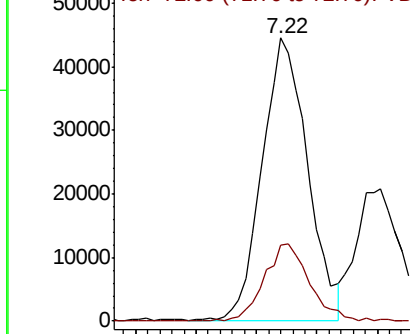
Ion Ratio Lower Upper

43 100

72 27.1 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: 21.902 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064452.D

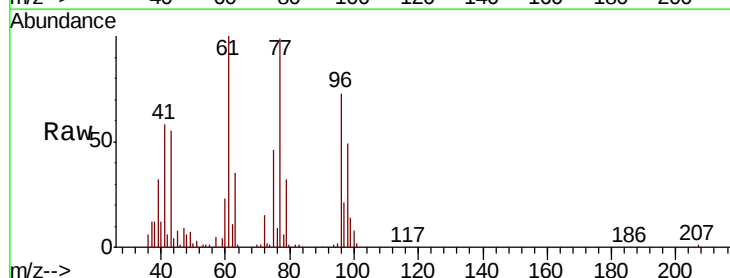
Acq: 06 Dec 2019 12:06

Tgt Ion: 77 Resp: 157134

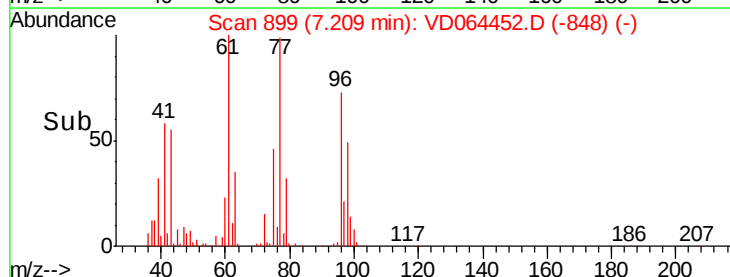
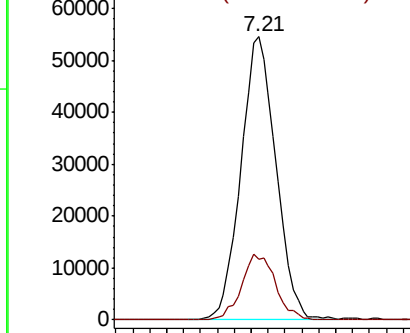
Ion Ratio Lower Upper

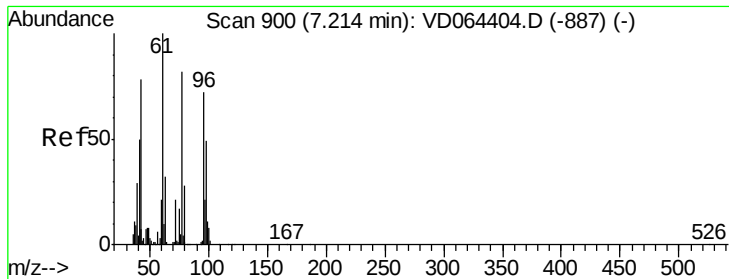
77 100

97 22.4 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



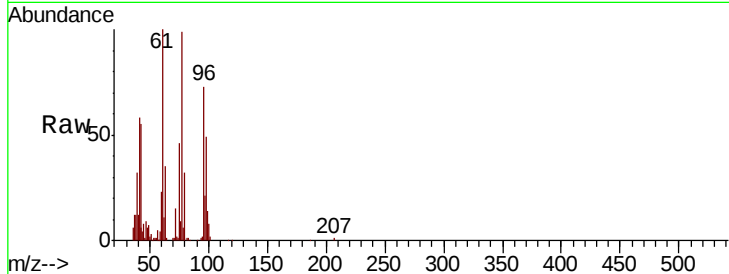


#27

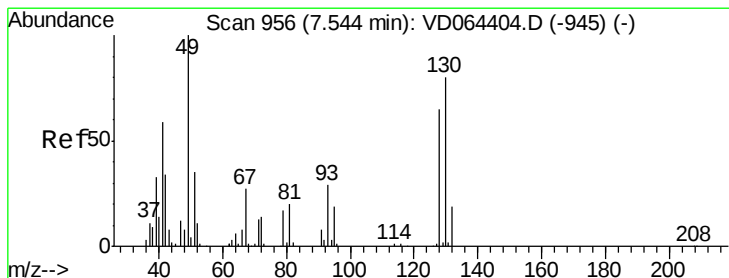
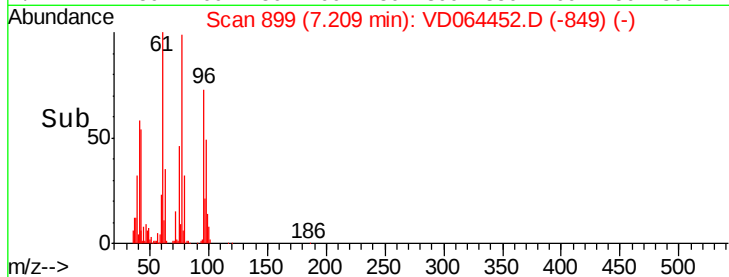
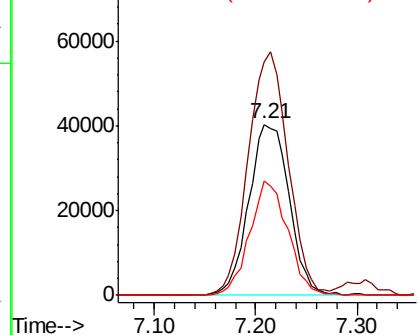
cis-1,2-Dichloroethene
Concen: 20.402 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 112027
Ion Ratio Lower Upper
96 100
61 140.0 0.0 279.6
98 62.7 0.0 129.2



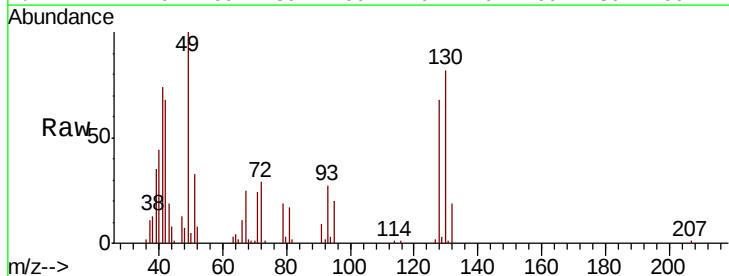
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



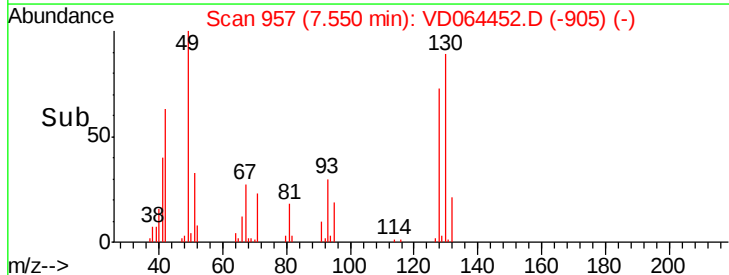
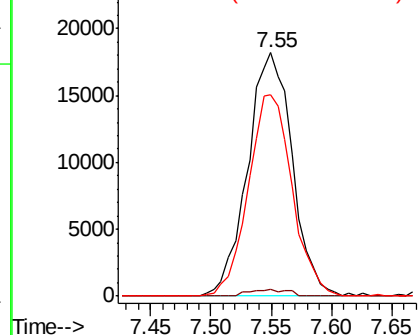
#28

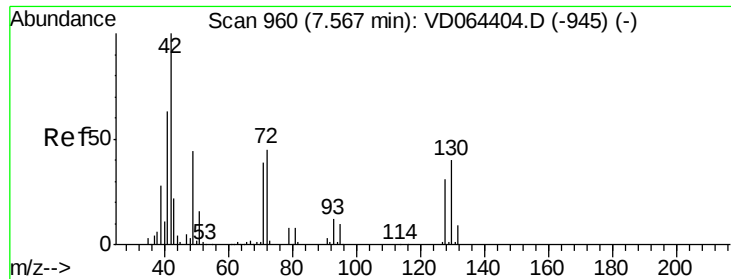
Bromochloromethane
Concen: 16.600 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Tgt Ion: 49 Resp: 46802
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.4
130 81.1 67.4 101.0



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

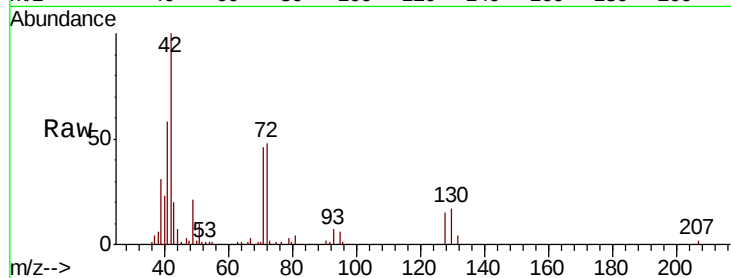




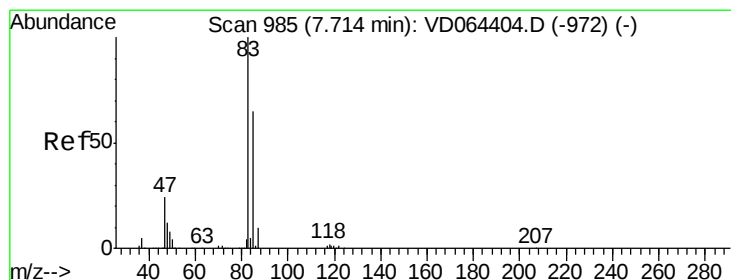
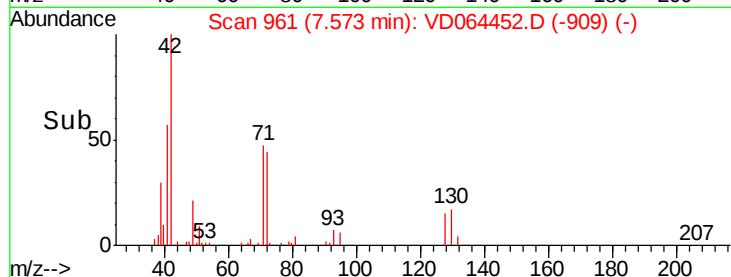
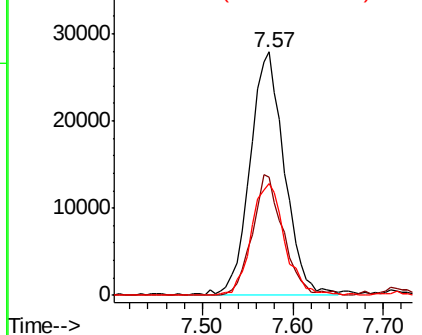
#29
Tetrahydrofuran
Concen: 90.203 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 73334
Ion Ratio Lower Upper
42 100
72 44.0 35.8 53.8
71 44.6 32.7 49.1

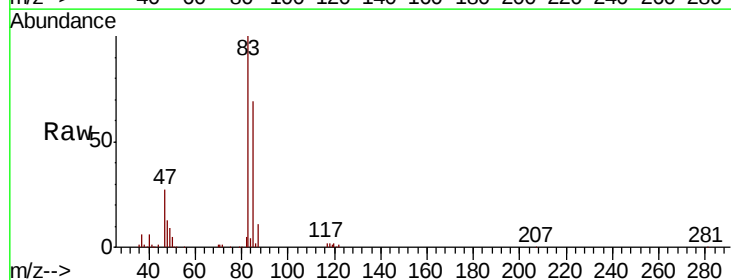


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

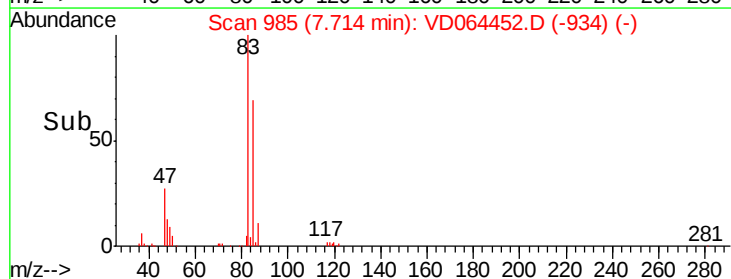
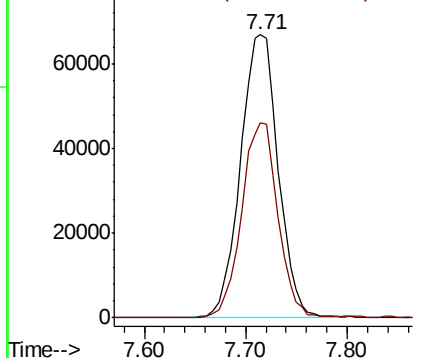


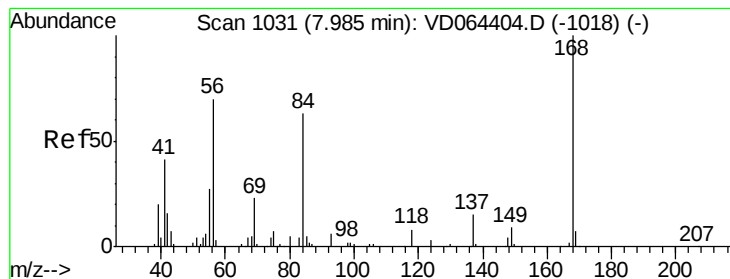
#30
Chloroform
Concen: 20.138 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Tgt Ion: 83 Resp: 172062
Ion Ratio Lower Upper
83 100
85 69.1 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: 20.387 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

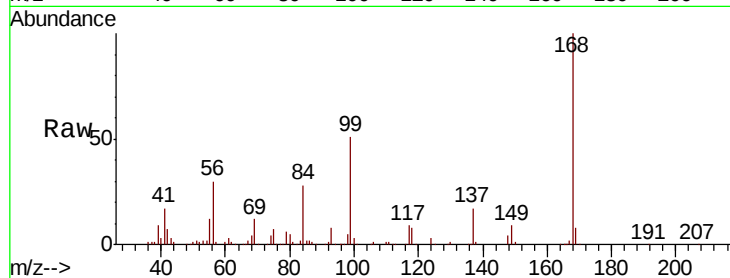
Tot Ion: 56 Resp: 166411

Ion Ratio Lower Upper

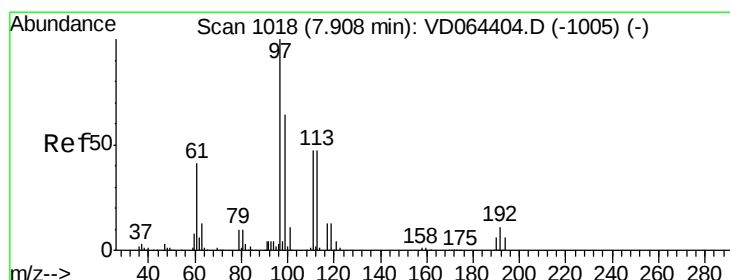
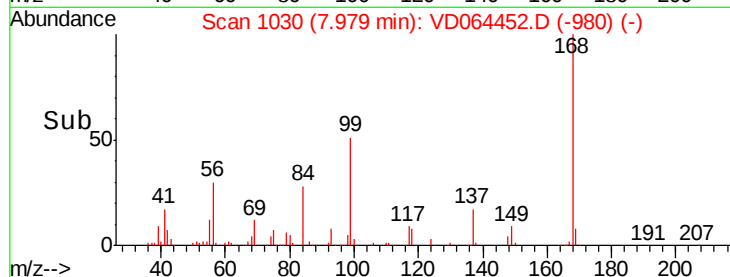
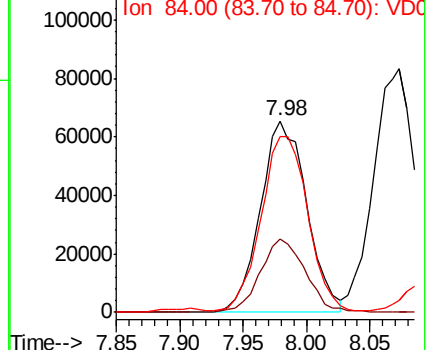
56 100

69 38.3 26.2 39.4

84 90.2 70.3 105.5



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



#32

1,1,1-Trichloroethane

Concen: 20.878 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

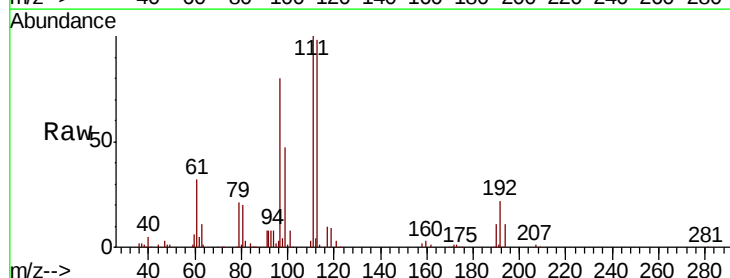
Tgt Ion: 97 Resp: 165375

Ion Ratio Lower Upper

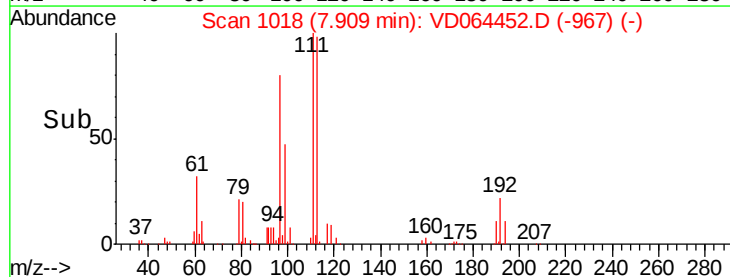
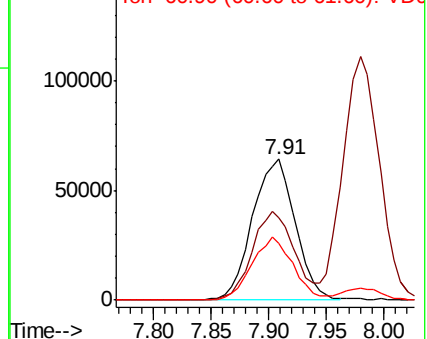
97 100

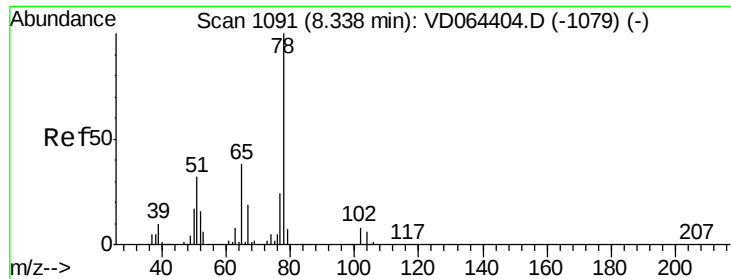
99 61.5 51.4 77.2

61 43.2 35.0 52.4



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

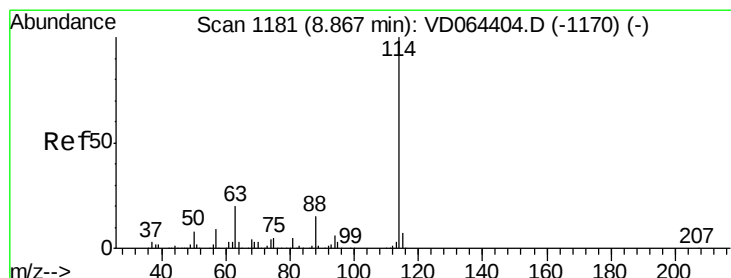
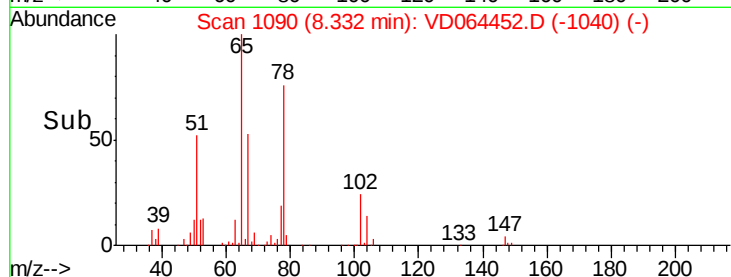
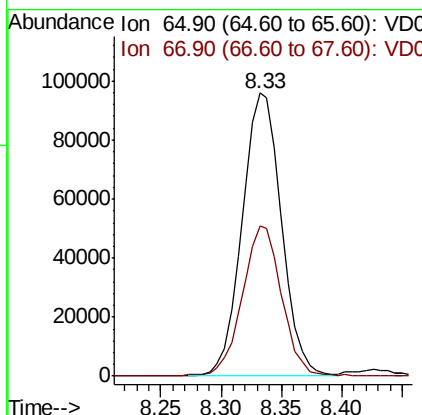
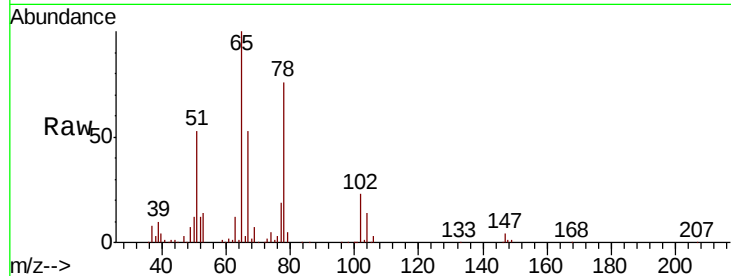




#33
 1,2-Dichloroethane-d4
 Concen: 48.702 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

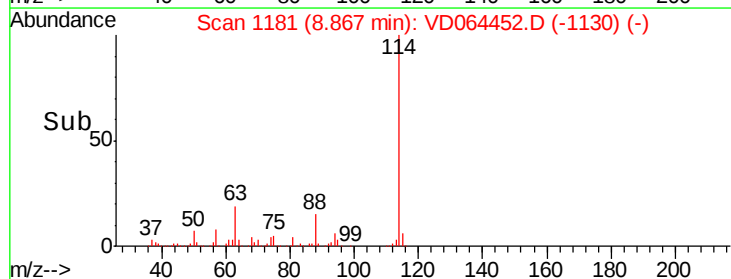
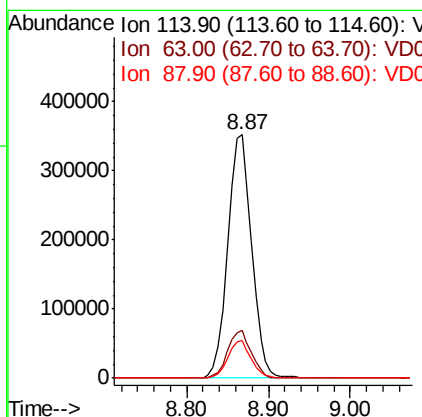
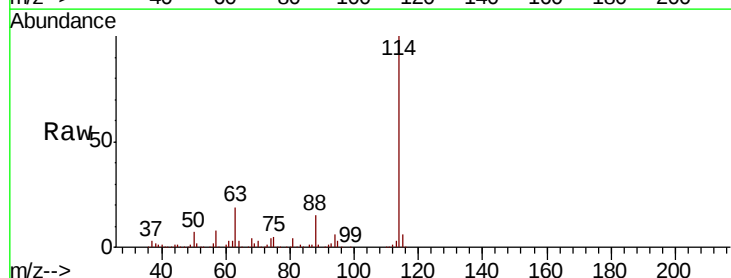
Instrument :
 MSVOA_D
 ClientSampleId :

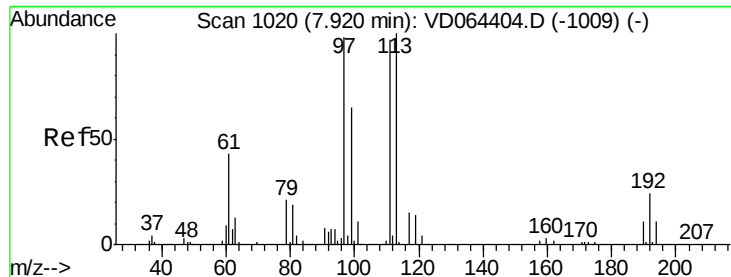
Tot Ion: 65 Resp: 217764
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

Tgt Ion: 114 Resp: 716101
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.3 0.0 29.2





#35

Dibromofluoromethane

Concen: 50.566 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

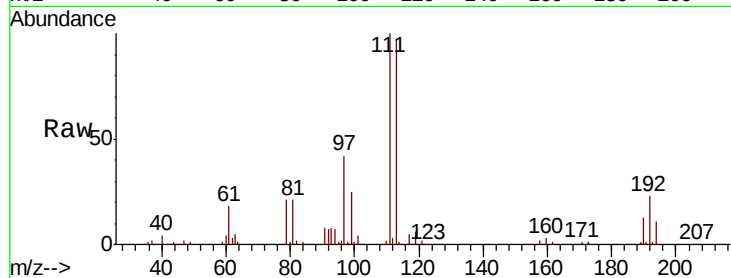
Tot Ion:113 Resp: 228142

Ion Ratio Lower Upper

113 100

111 101.7 79.4 119.2

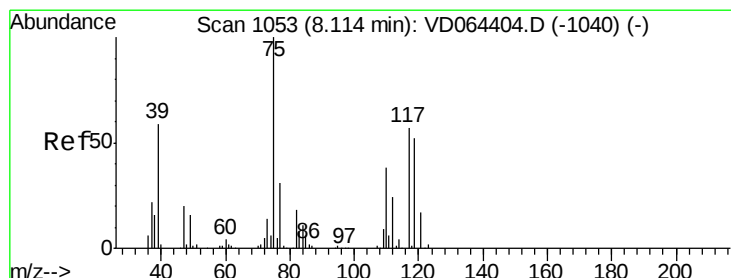
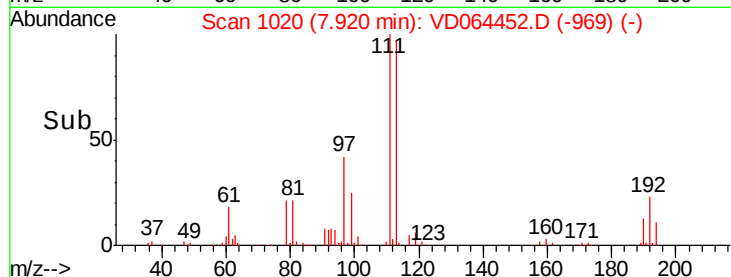
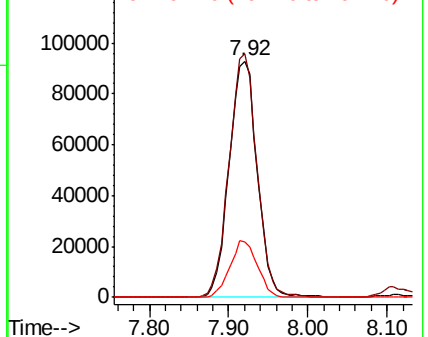
192 23.4 18.6 28.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.199 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

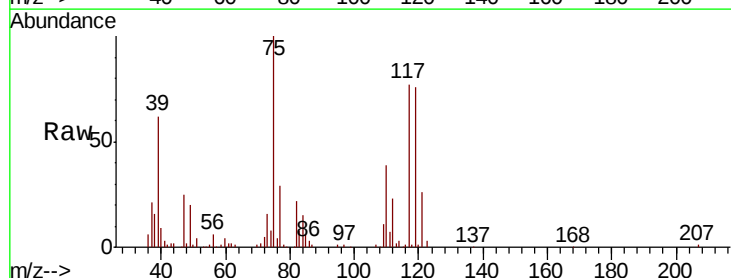
Tgt Ion: 75 Resp: 136815

Ion Ratio Lower Upper

75 100

110 39.0 18.6 55.8

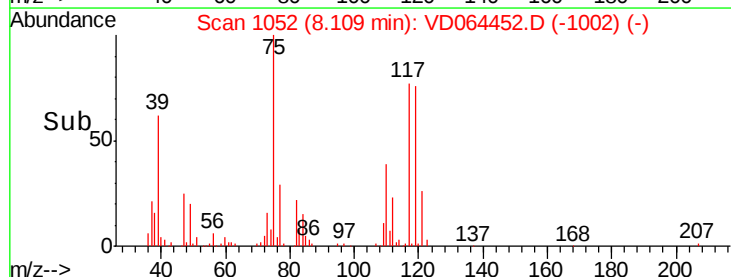
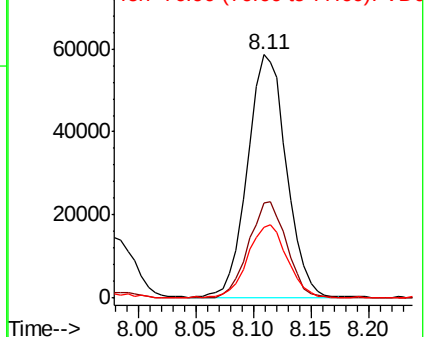
77 30.9 25.0 37.4

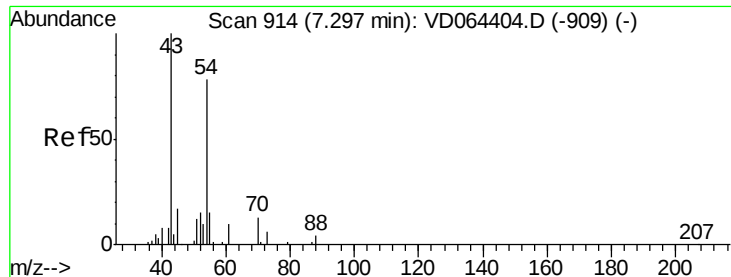


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

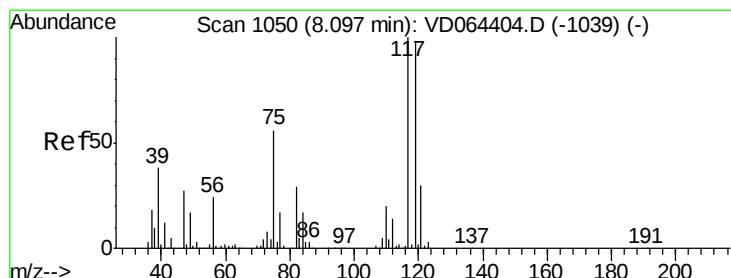
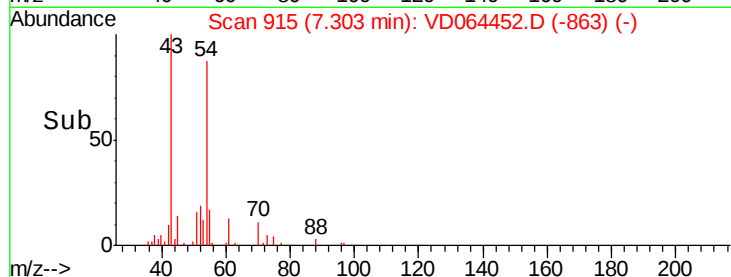
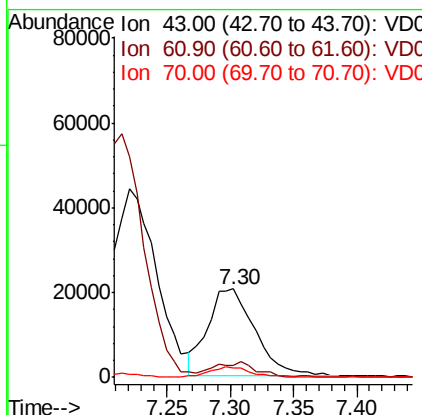
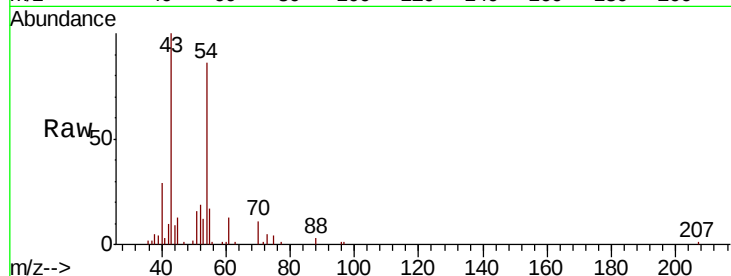




#37
Ethyl Acetate
Concen: 18.562 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

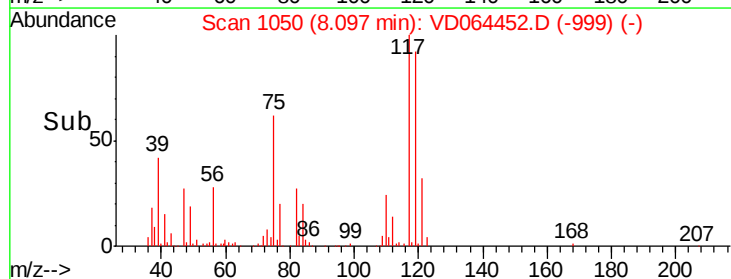
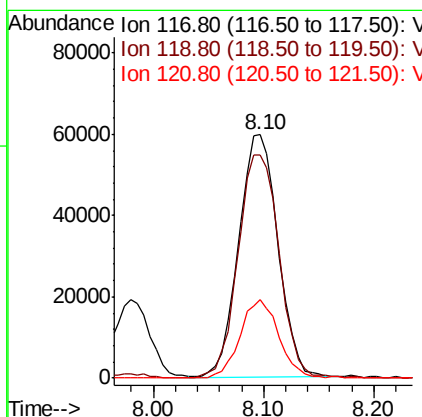
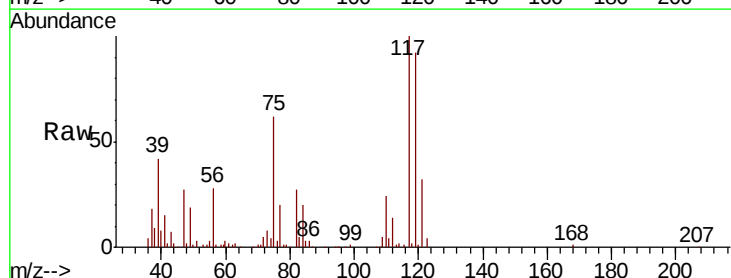
Instrument :
MSVOA_D
ClientSampleId :

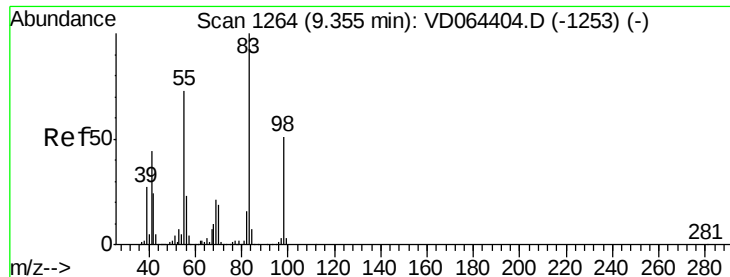
Tot Ion: 43 Resp: 53347
Ion Ratio Lower Upper
43 100
61 15.4 10.9 16.3
70 10.8 8.3 12.5



#38
Carbon Tetrachloride
Concen: 20.881 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Tgt Ion: 117 Resp: 149272
Ion Ratio Lower Upper
117 100
119 92.1 78.8 118.2
121 32.6 24.2 36.2

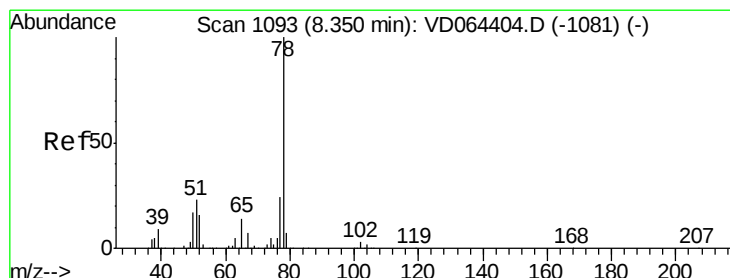
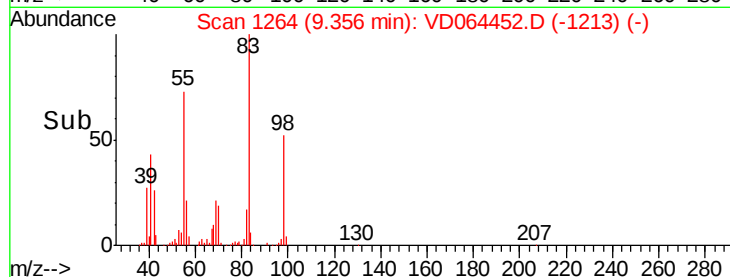
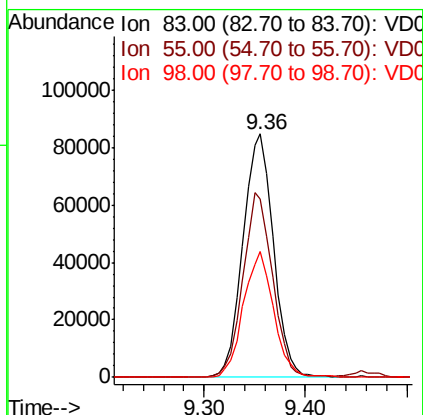
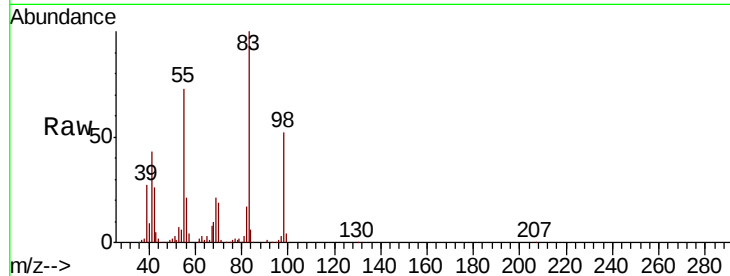




#39
Methvlcvclohexane
Concen: 21.058 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

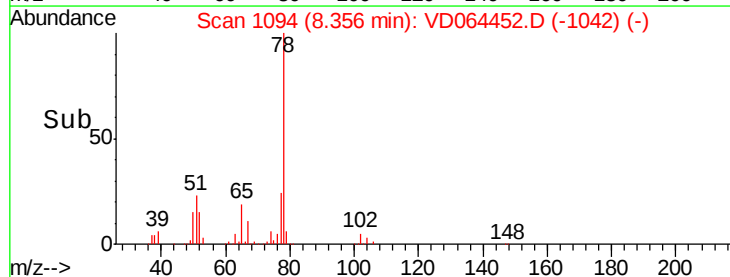
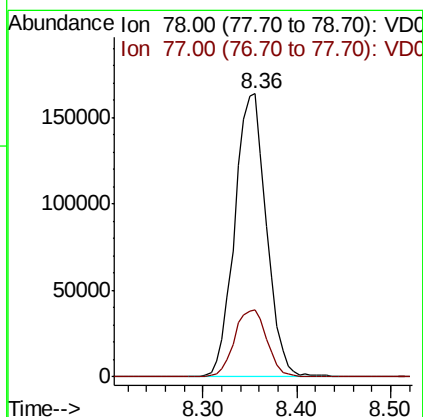
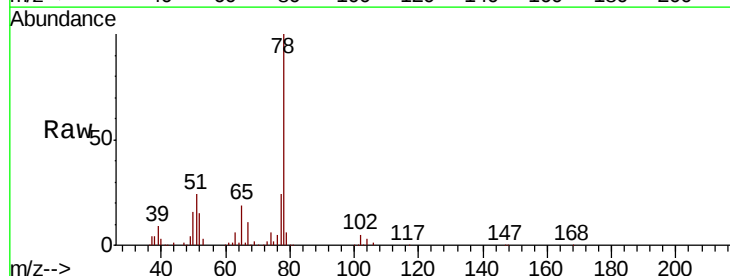
Instrument :
MSVOA_D
ClientSampleId :

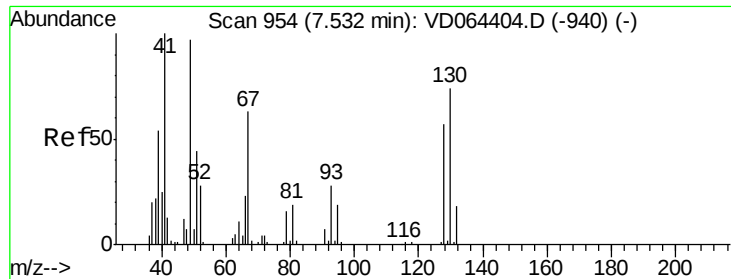
Tot Ion: 83 Resp: 176930
Ion Ratio Lower Upper
83 100
55 73.4 58.6 87.8
98 51.7 40.9 61.3



#40
Benzene
Concen: 20.362 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Tgt Ion: 78 Resp: 383067
Ion Ratio Lower Upper
78 100
77 23.9 19.6 29.4

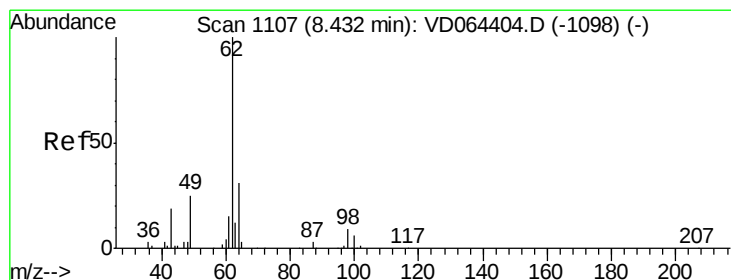
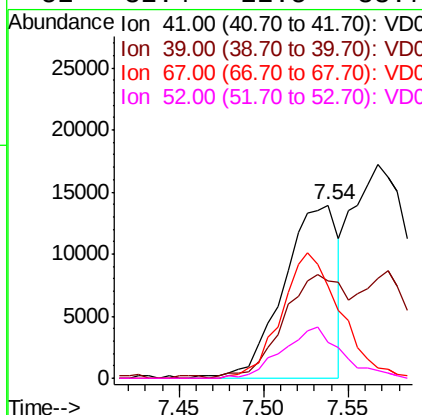
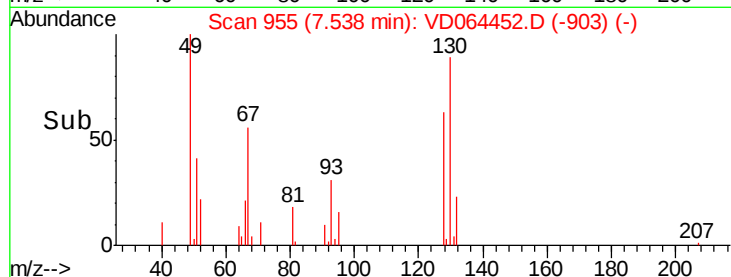
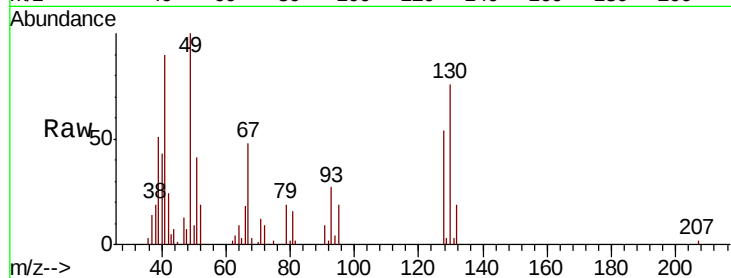




#41
Methacrylonitrile
Concen: 18.861 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

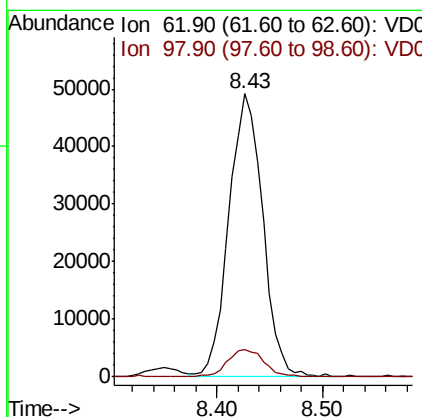
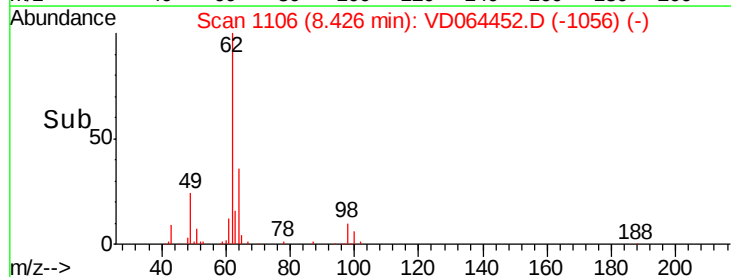
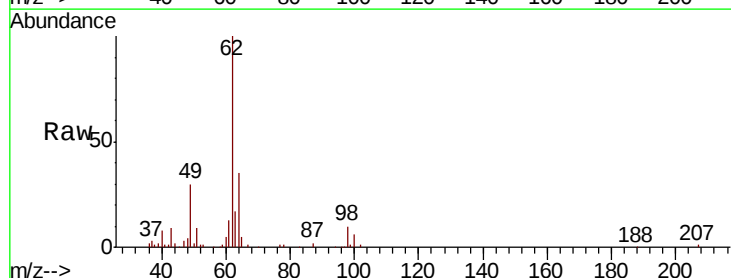
Instrument :
MSVOA_D
ClientSampleId :

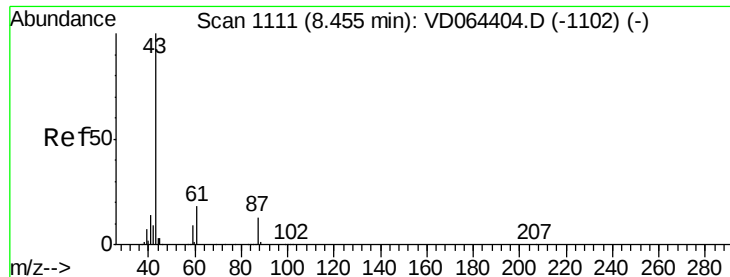
Tot Ion: 41 Resp: 31087
Ion Ratio Lower Upper
41 100
39 67.5 44.6 67.0#
67 78.6 50.9 76.3#
52 32.4 22.5 33.7



#42
1,2-Dichloroethane
Concen: 19.941 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Tgt Ion: 62 Resp: 109400
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.6





#43

Isopropyl Acetate

Concen: 19.225 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

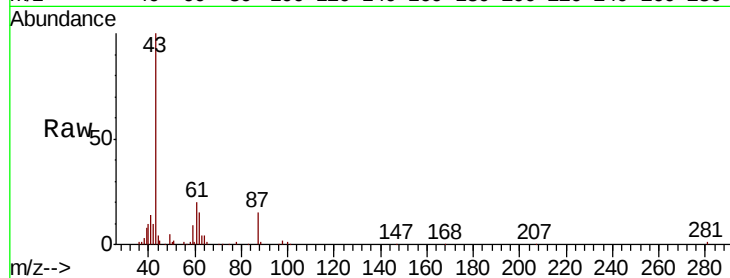
Tot Ion: 43 Resp: 108642

Ion Ratio Lower Upper

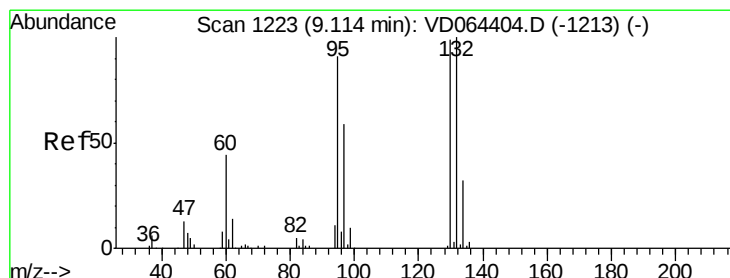
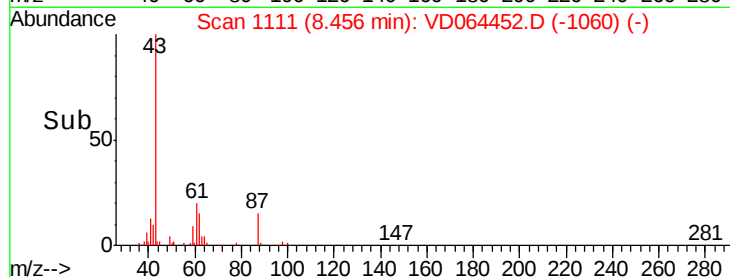
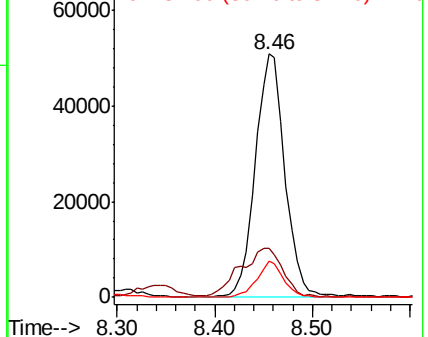
43 100

61 29.2 24.0 36.0

87 13.3 10.6 15.8



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



#44

Trichloroethene

Concen: 20.498 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064452.D

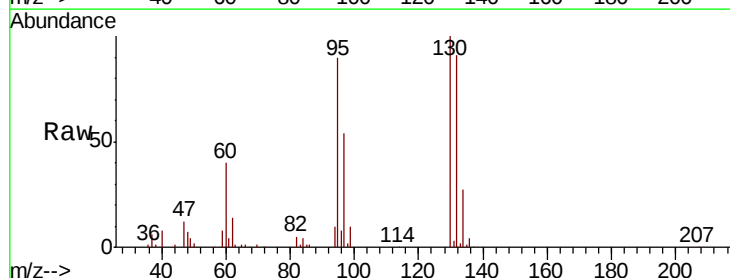
Acq: 06 Dec 2019 12:06

Tgt Ion:130 Resp: 116158

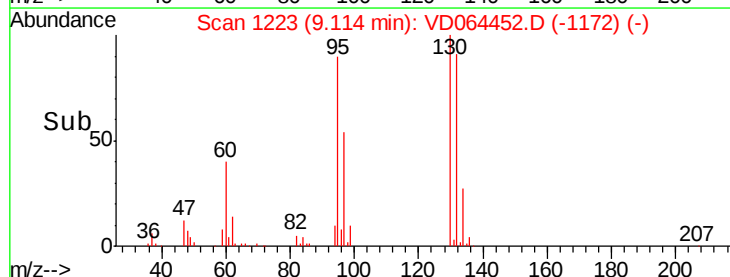
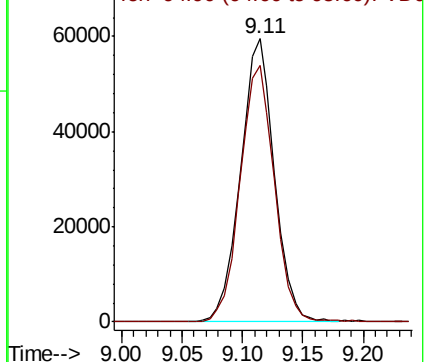
Ion Ratio Lower Upper

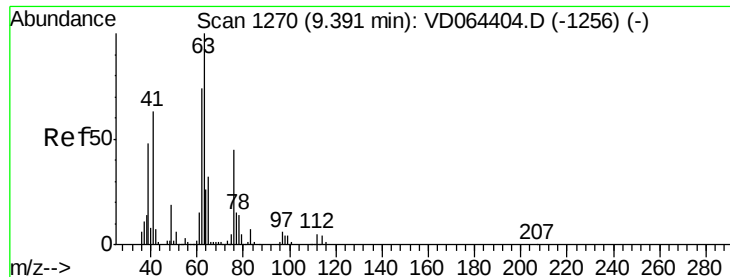
130 100

95 90.5 0.0 184.6



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





#45

1,2-Dichloropropane

Concen: 20.480 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

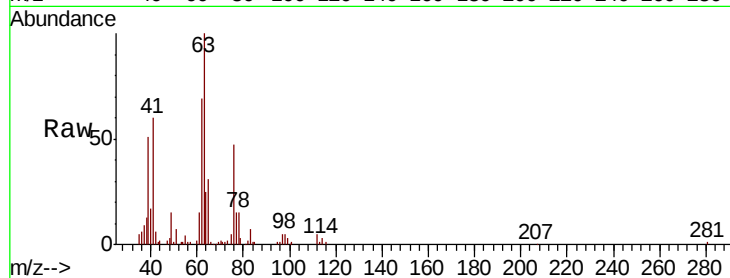
ClientSampled :

Tot Ion: 63 Resp: 92141

Ion Ratio Lower Upper

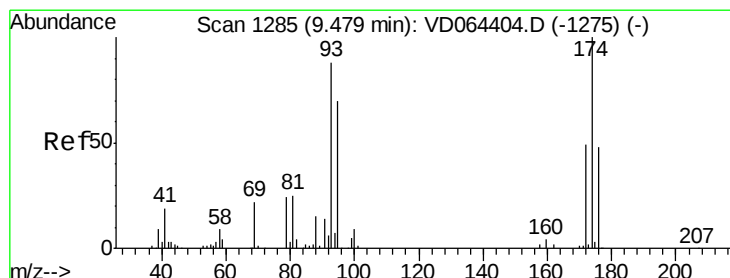
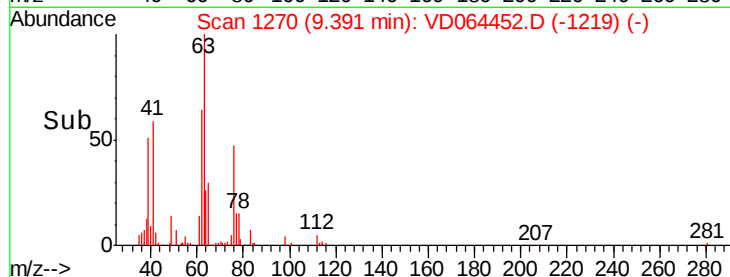
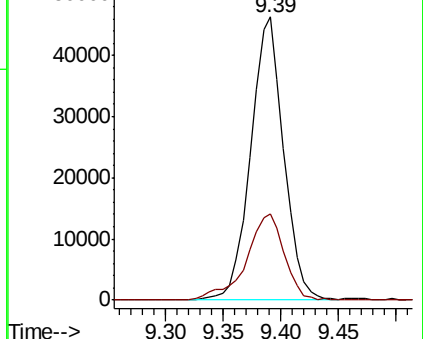
63 100

65 30.7 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.733 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

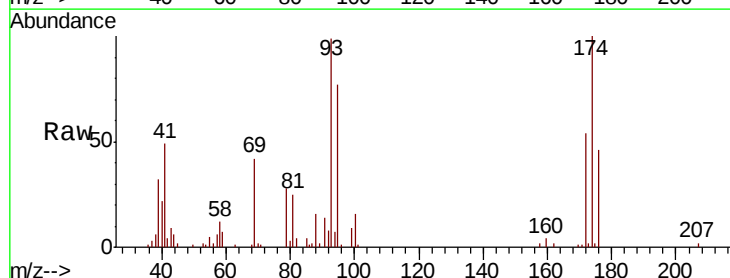
Tgt Ion: 93 Resp: 50108

Ion Ratio Lower Upper

93 100

95 82.0 66.7 100.1

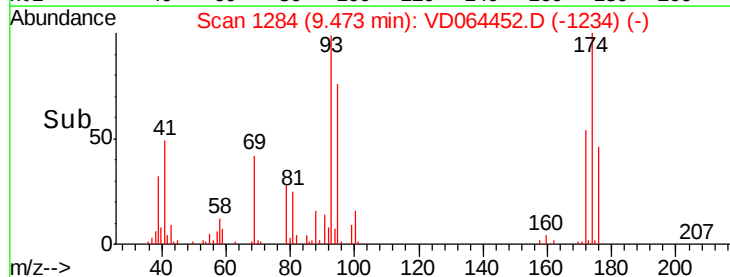
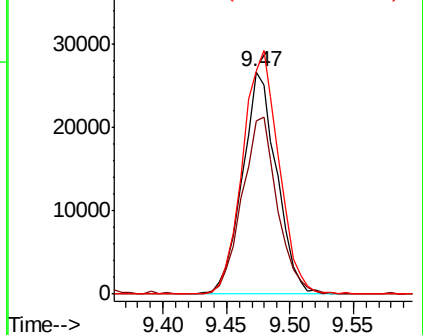
174 115.5 92.3 138.5

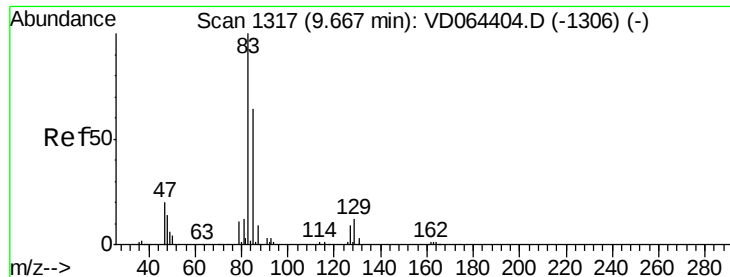


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.140 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

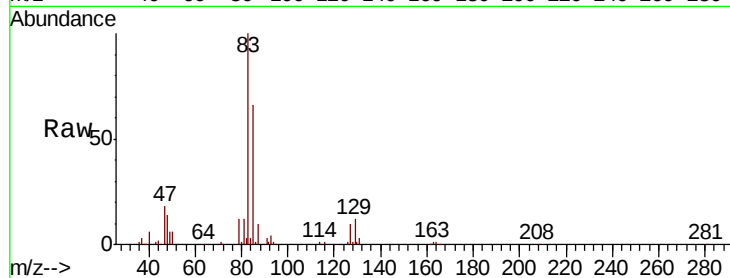
Tot Ion: 83 Resp: 131407

Ion Ratio Lower Upper

83 100

85 65.9 51.1 76.7

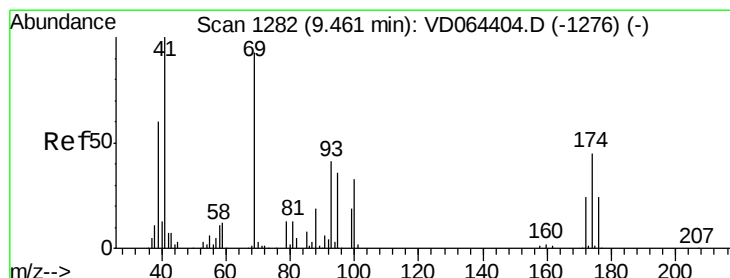
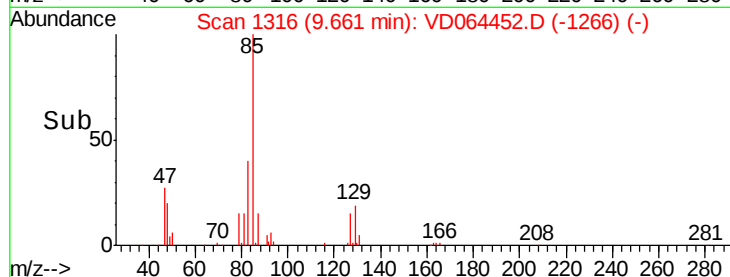
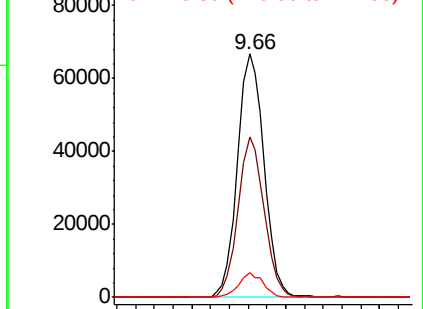
127 10.1 7.4 11.0



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: 18.886 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

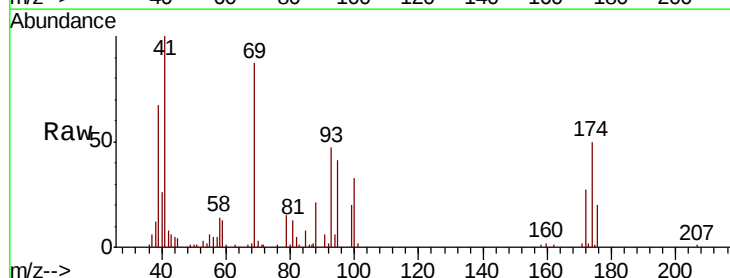
Tgt Ion: 41 Resp: 48836

Ion Ratio Lower Upper

41 100

69 86.2 72.0 108.0

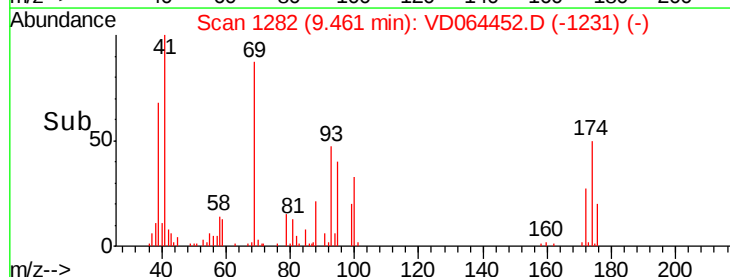
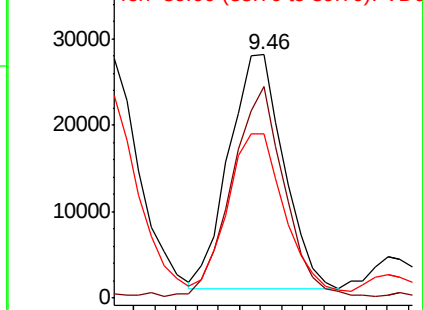
39 68.7 55.2 82.8

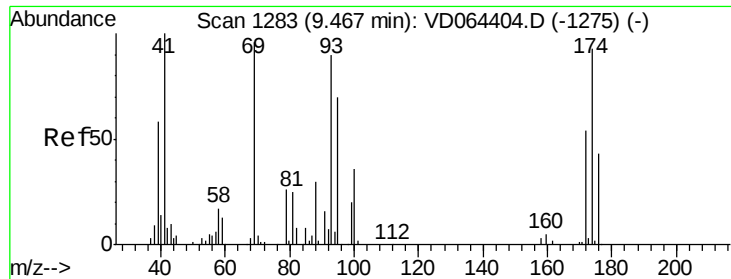


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 376.252 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

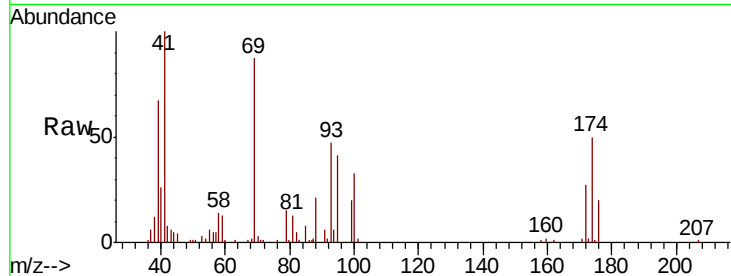
Tot Ion: 88 Resp: 11798

Ion Ratio Lower Upper

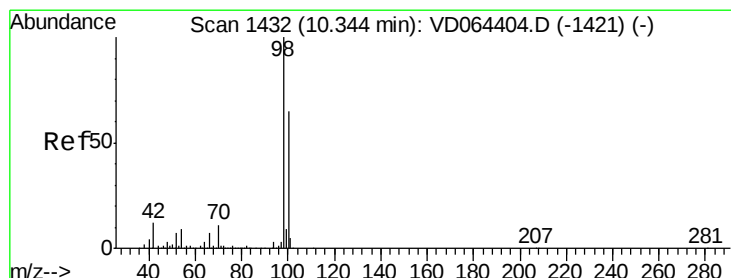
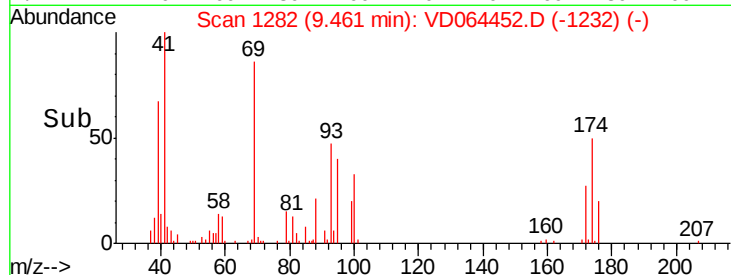
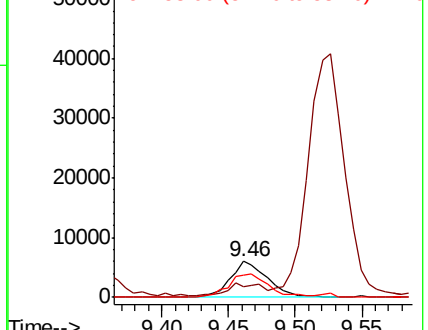
88 100

43 32.1 26.7 40.1

58 68.9 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: 51.149 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064452.D

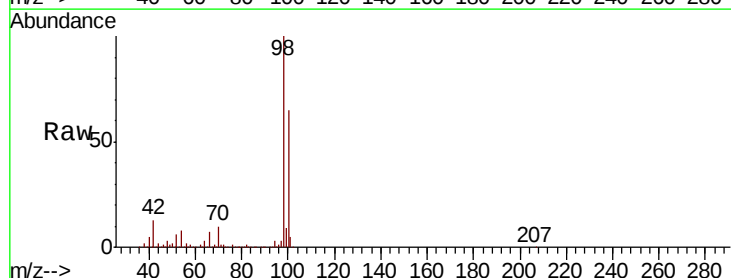
Acq: 06 Dec 2019 12:06

Tgt Ion: 98 Resp: 869296

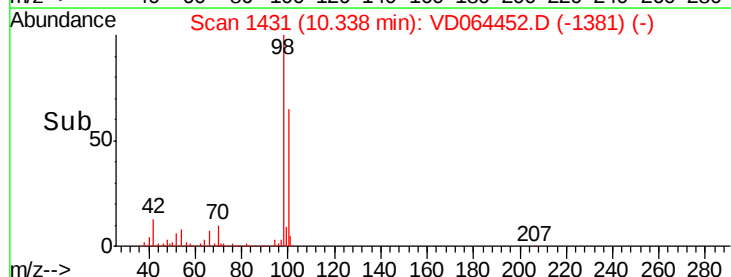
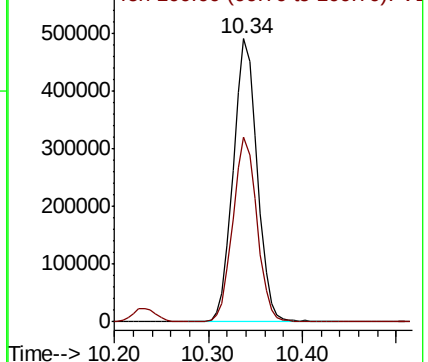
Ion Ratio Lower Upper

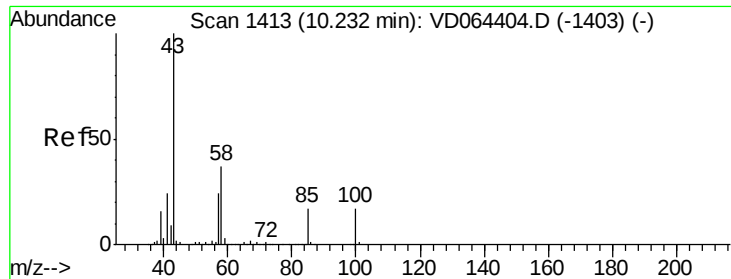
98 100

100 65.7 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: 93.707 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

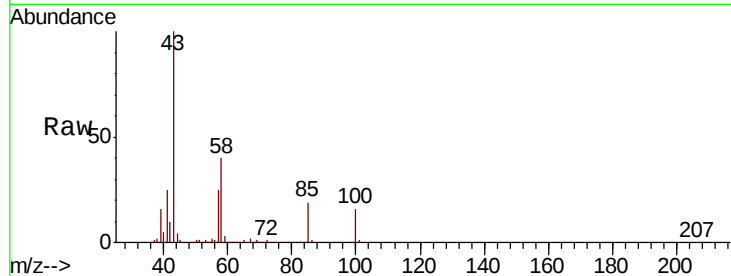
ClientSampleId :

Tot Ion: 43 Resp: 262008

Ion Ratio Lower Upper

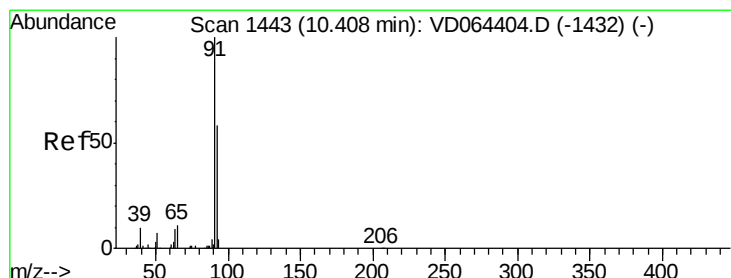
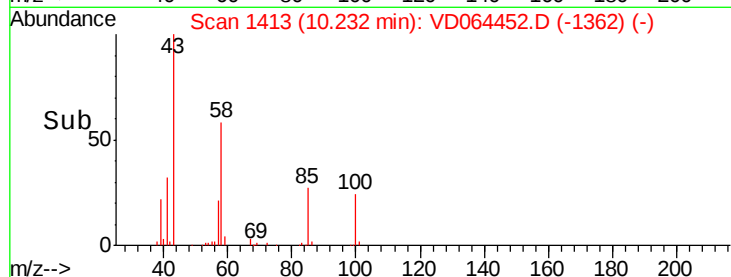
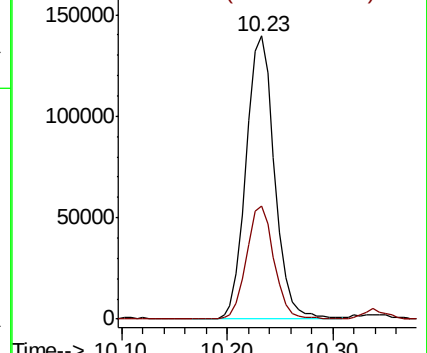
43 100

58 38.7 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.310 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064452.D

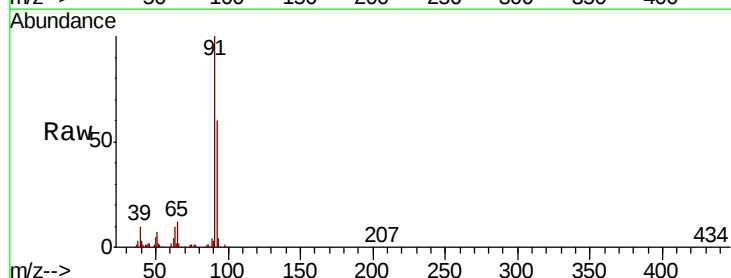
Acq: 06 Dec 2019 12:06

Tgt Ion: 92 Resp: 248999

Ion Ratio Lower Upper

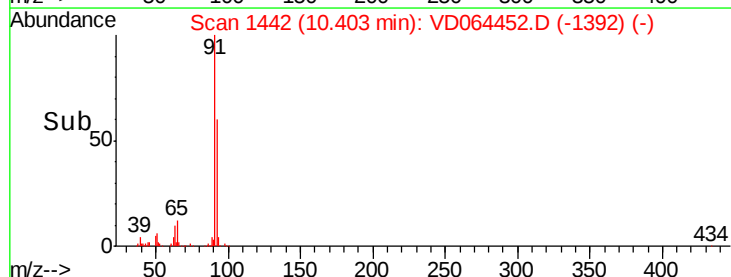
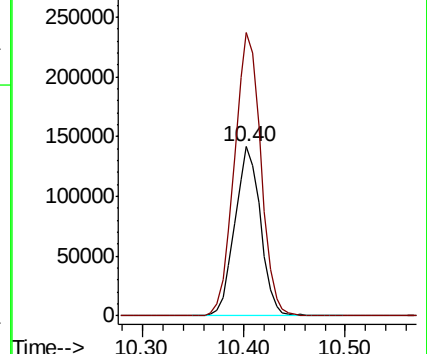
92 100

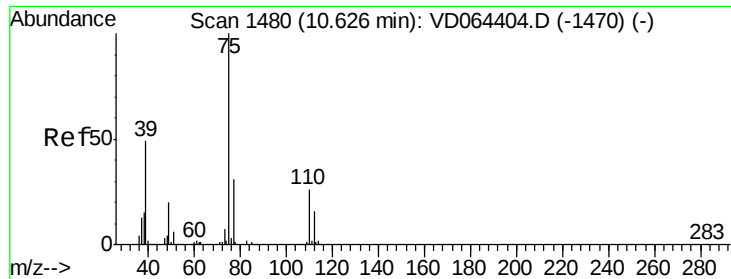
91 173.1 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.693 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

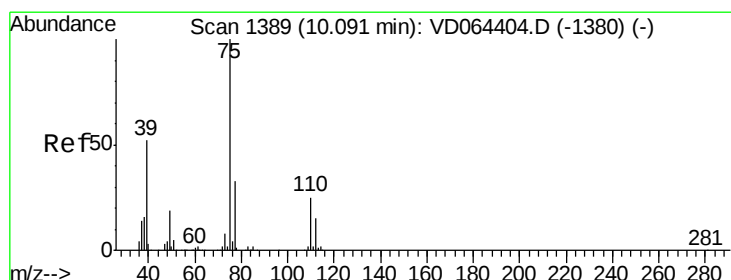
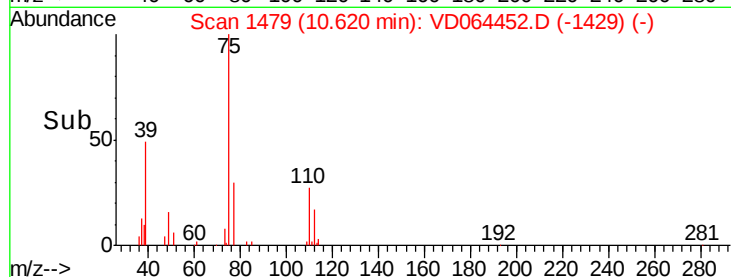
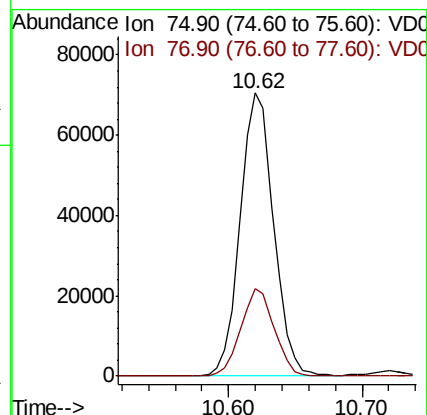
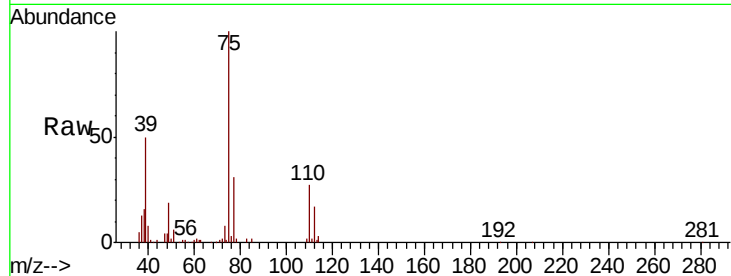
ClientSampleId :

Tot Ion: 75 Resp: 122458

Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.960 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

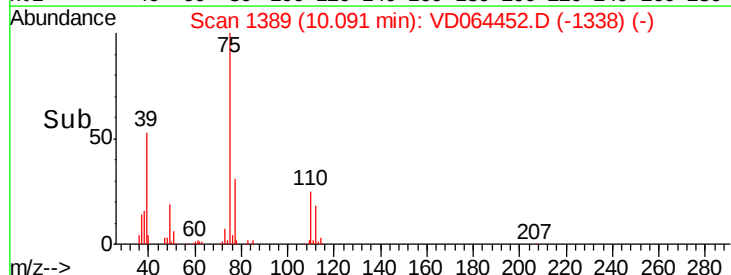
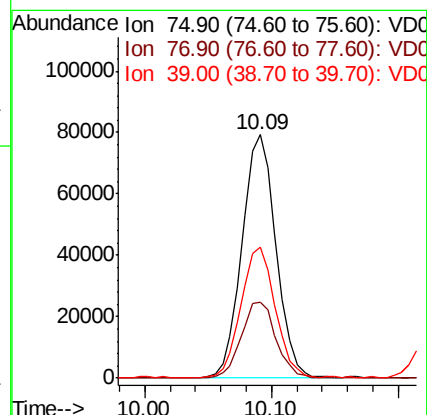
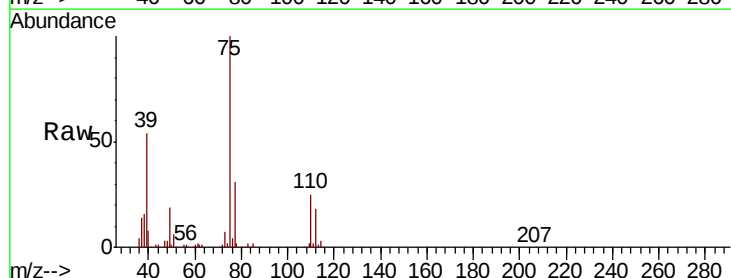
Tgt Ion: 75 Resp: 147444

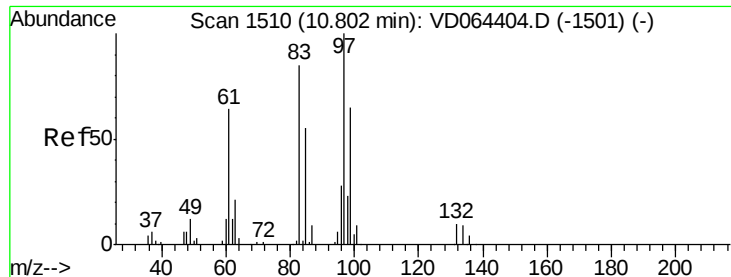
Ion Ratio Lower Upper

75 100

77 31.4 26.1 39.1

39 53.6 41.5 62.3

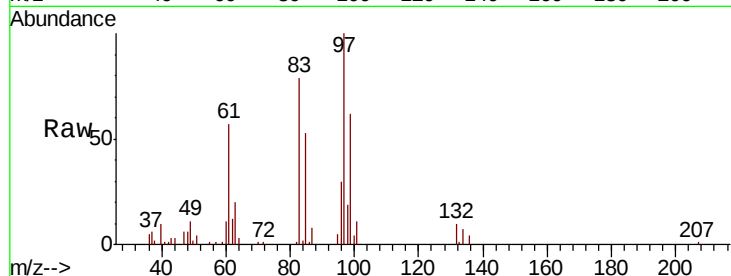




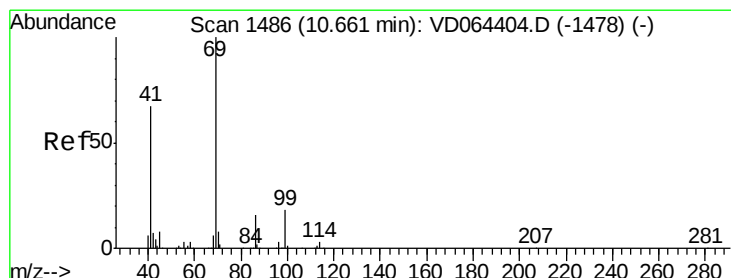
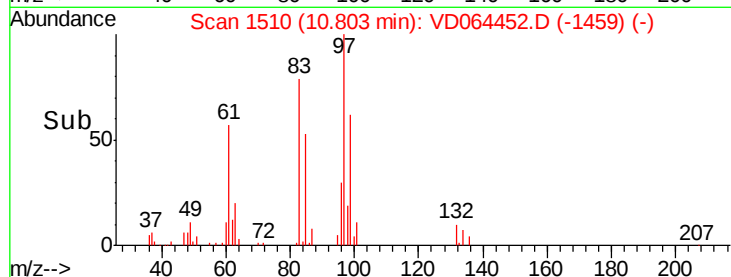
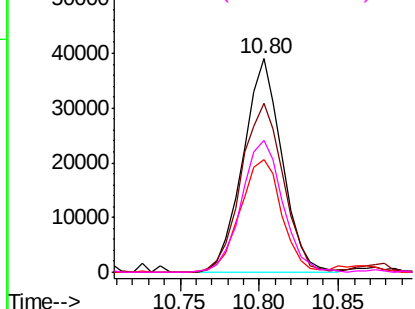
#55
 1,1,2-Trichloroethane
 Concen: 19.097 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 66402
 Ion Ratio Lower Upper
 97 100
 83 79.4 67.8 101.8
 85 52.9 43.7 65.5
 99 61.8 51.7 77.5

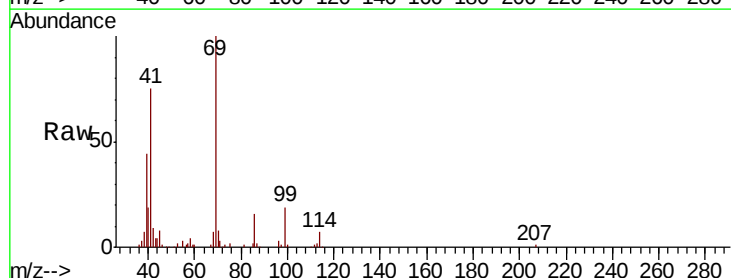


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

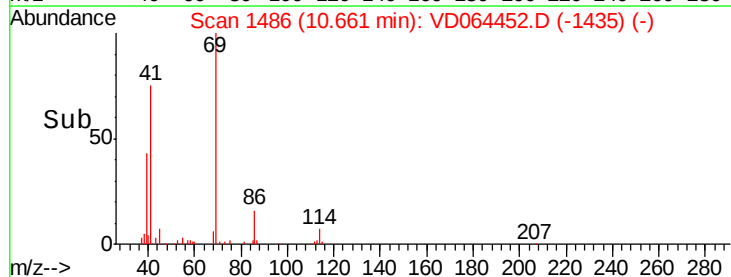
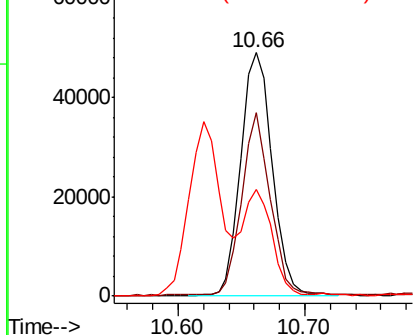


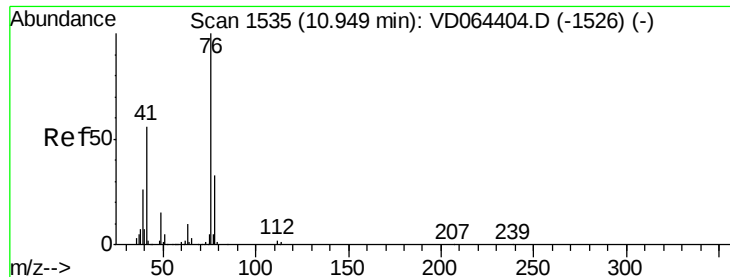
#56
 Ethyl methacrylate
 Concen: 19.211 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

Tgt Ion: 69 Resp: 85195
 Ion Ratio Lower Upper
 69 100
 41 67.1 55.0 82.4
 39 40.0 33.0 49.6



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





#57

1,3-Dichloropropane

Concen: 20.216 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

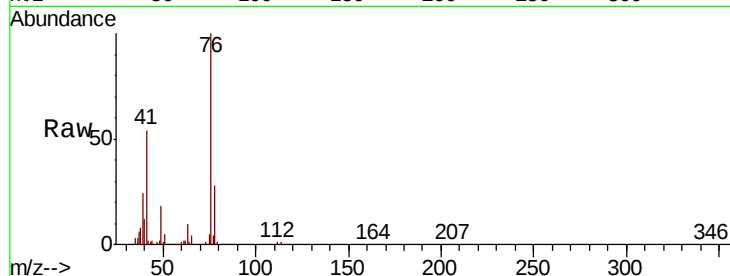
ClientSampleId :

Tot Ion: 76 Resp: 119655

Ion Ratio Lower Upper

76 100

78 30.5 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

80000

60000

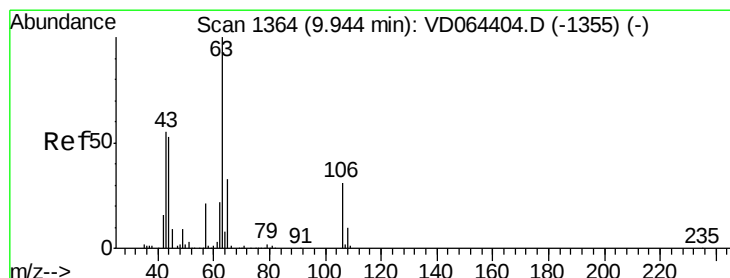
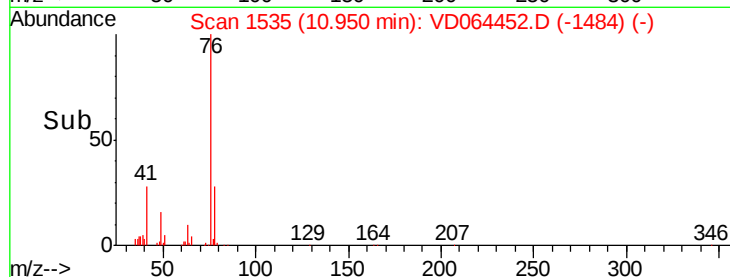
40000

20000

0

Time-->

10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 101.622 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064452.D

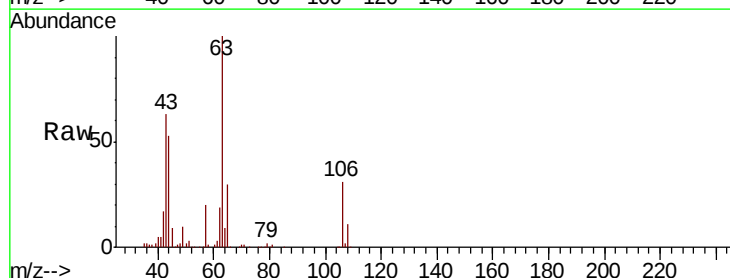
Acq: 06 Dec 2019 12:06

Tgt Ion: 63 Resp: 179653

Ion Ratio Lower Upper

63 100

106 30.2 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

120000

100000

80000

60000

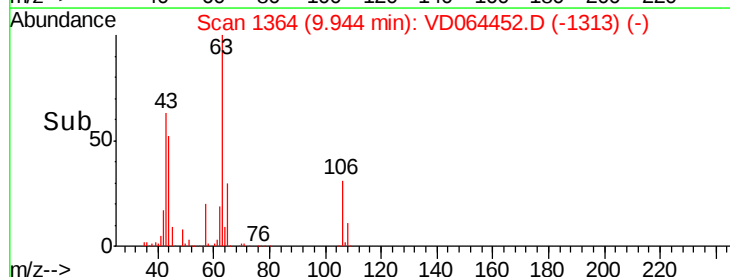
40000

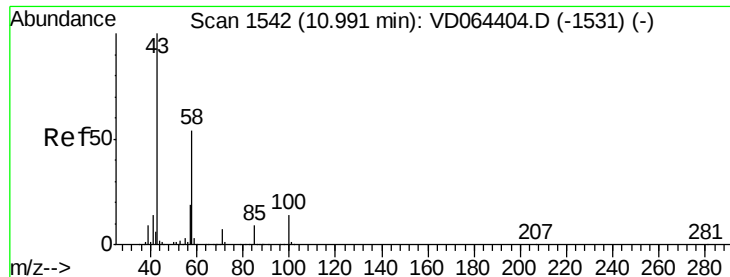
20000

0

Time-->

9.90 10.00

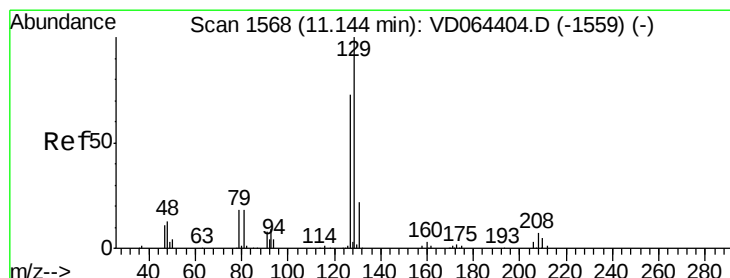
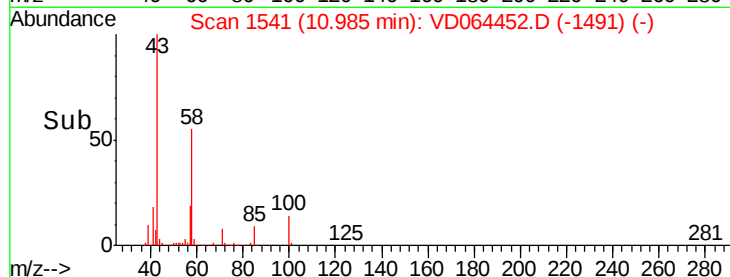
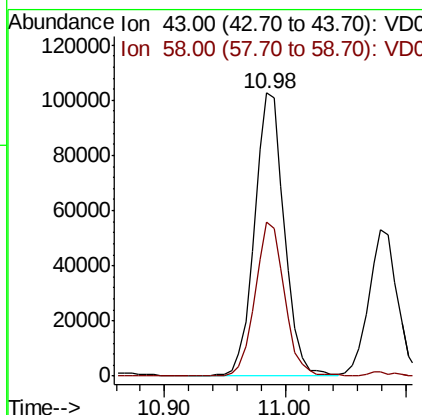
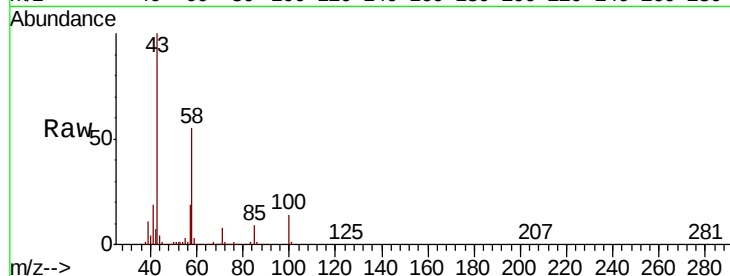




#59
2-Hexanone
Concen: 91.203 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

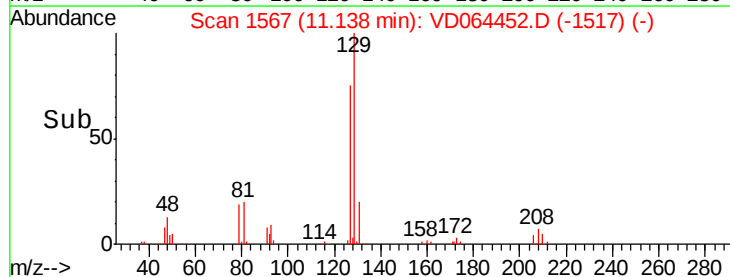
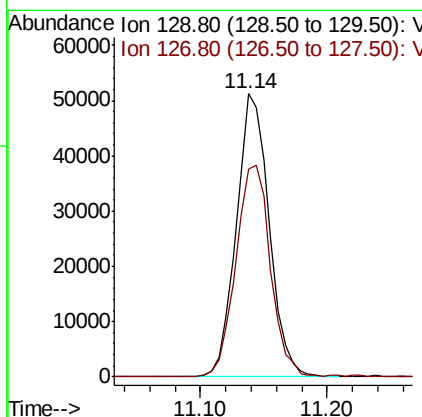
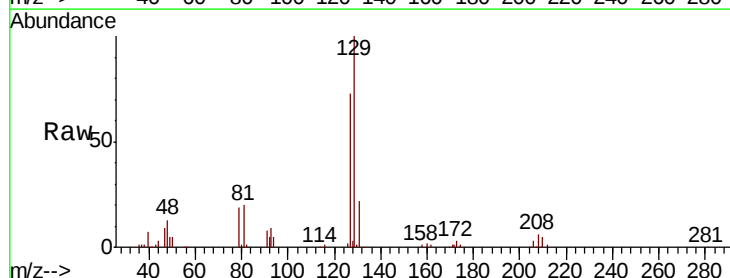
Instrument :
MSVOA_D
ClientSampled :

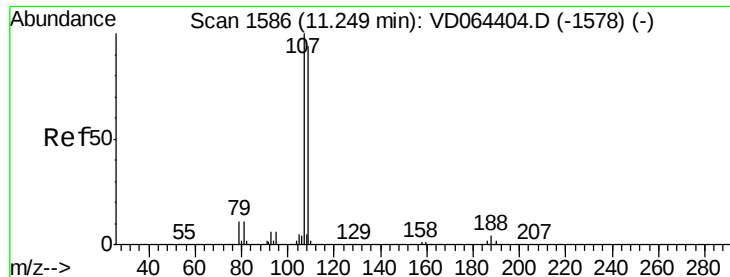
Tot Ion: 43 Resp: 176948
Ion Ratio Lower Upper
43 100
58 53.7 26.3 78.8



#60
Dibromochloromethane
Concen: 19.465 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Tgt Ion: 129 Resp: 91765
Ion Ratio Lower Upper
129 100
127 78.7 38.1 114.3

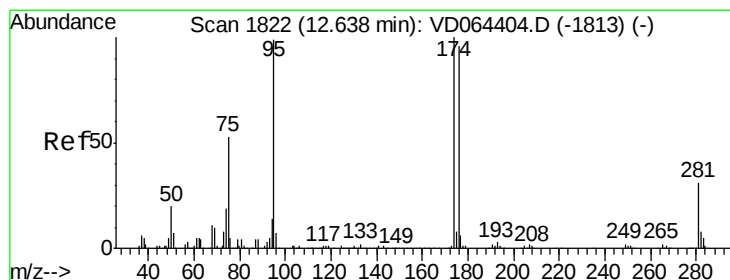
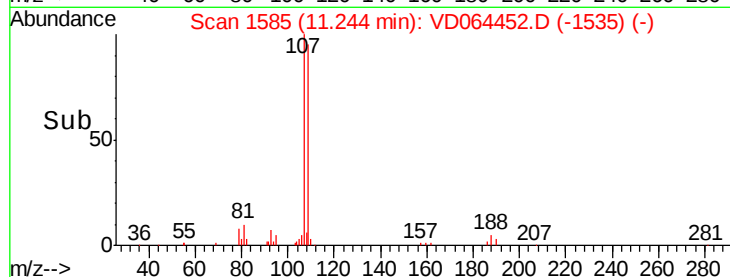
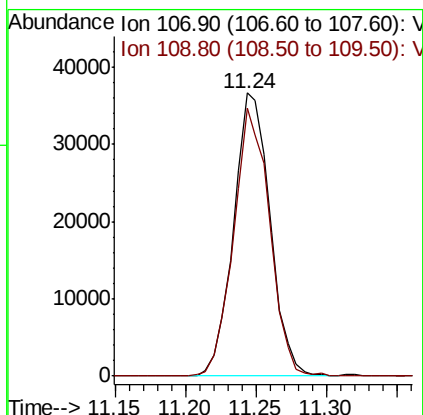
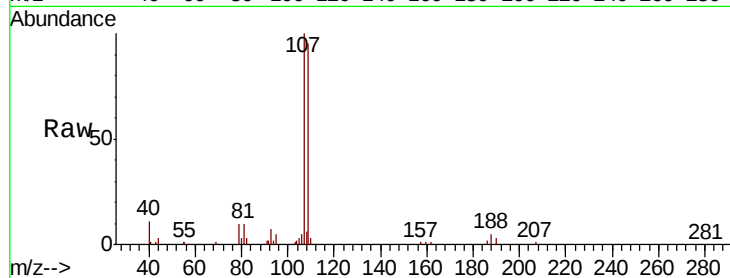




#61
 1,2-Dibromoethane
 Concen: 19.066 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

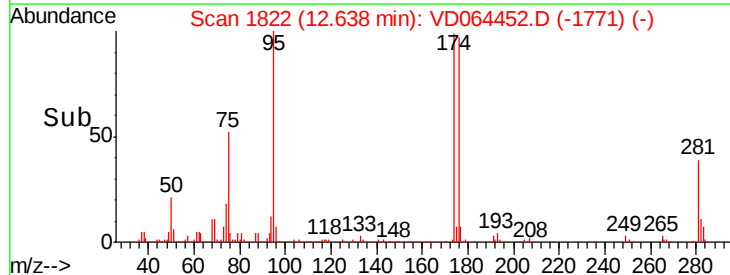
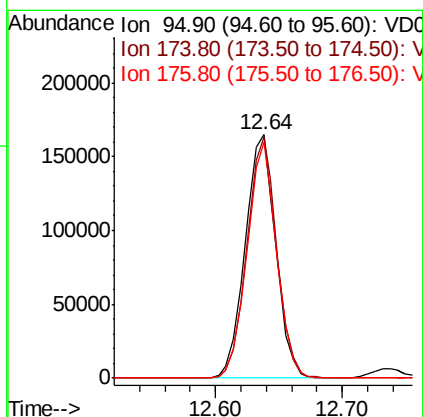
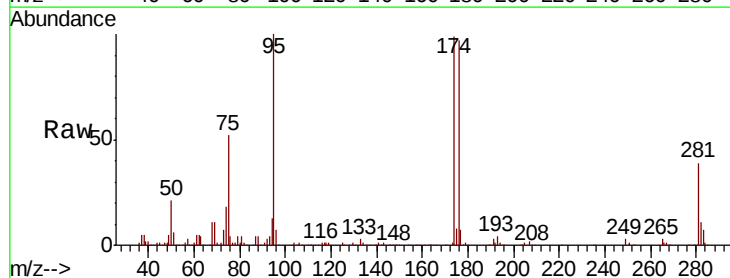
Instrument :
 MSVOA_D
 ClientSampleId :

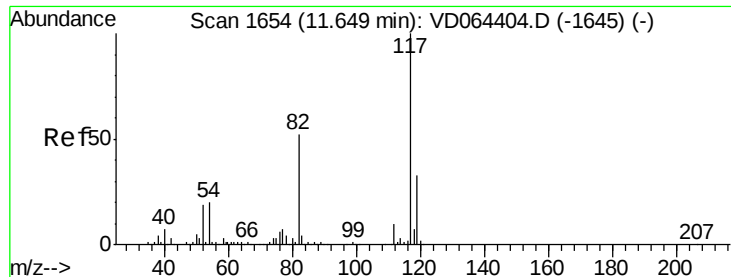
Tot Ion: 107 Resp: 66192
 Ion Ratio Lower Upper
 107 100
 109 93.4 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 50.436 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

Tgt Ion: 95 Resp: 275472
 Ion Ratio Lower Upper
 95 100
 174 97.2 0.0 197.2
 176 93.4 0.0 189.6

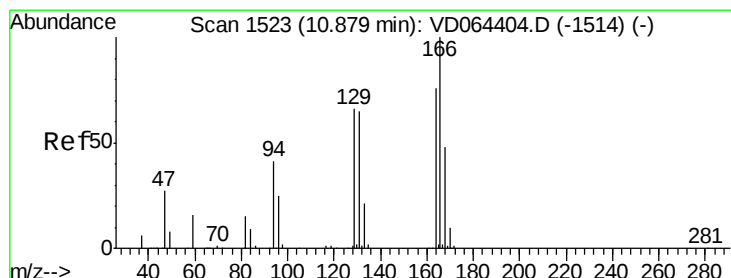
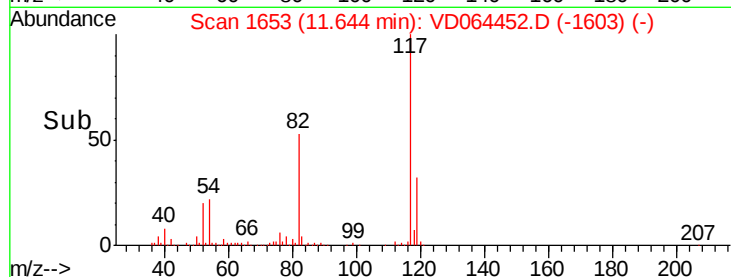
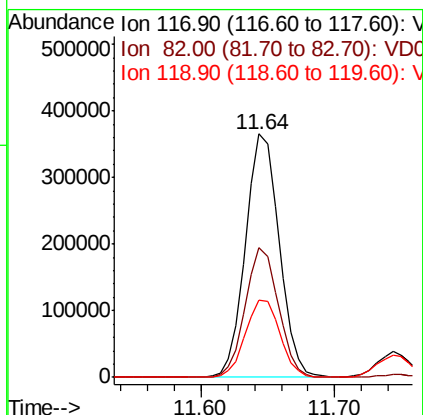
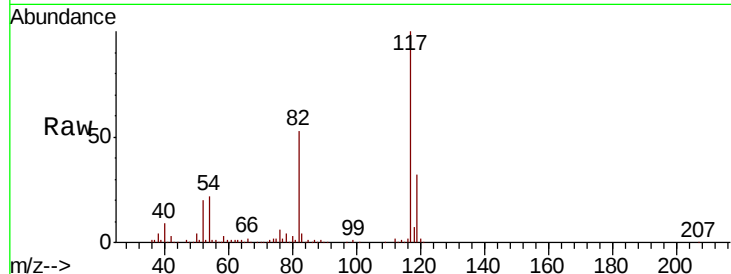




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

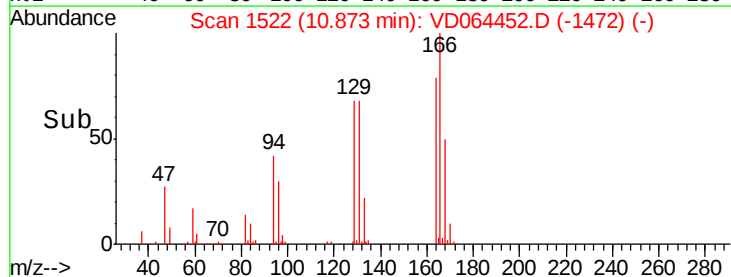
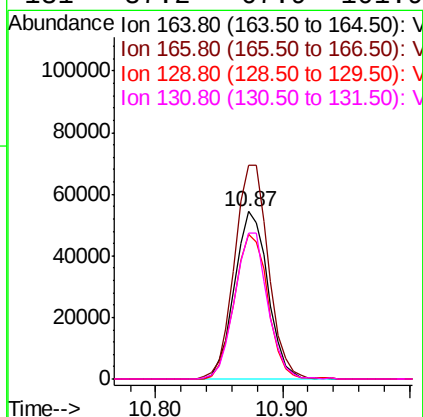
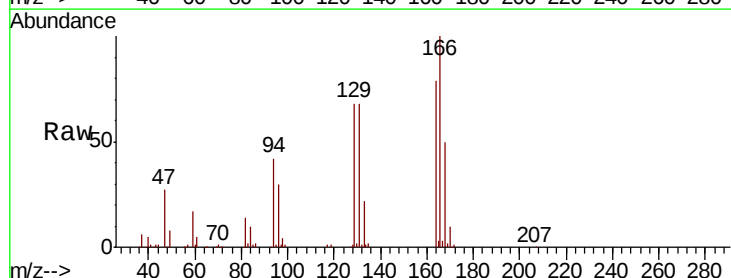
Instrument :
MSVOA_D
ClientSampleId :

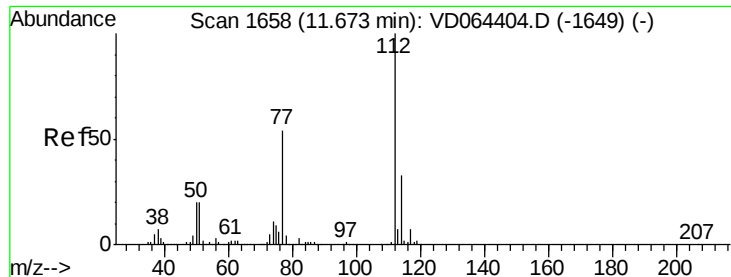
Tot Ion:117 Resp: 637323
Ion Ratio Lower Upper
117 100
82 53.1 41.4 62.2
119 31.6 26.2 39.2



#64
Tetrachloroethene
Concen: 20.413 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Tgt Ion:164 Resp: 99209
Ion Ratio Lower Upper
164 100
166 127.4 104.8 157.2
129 86.4 68.7 103.1
131 87.2 67.9 101.9





#65

Chlorobenzene

Concen: 20.189 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

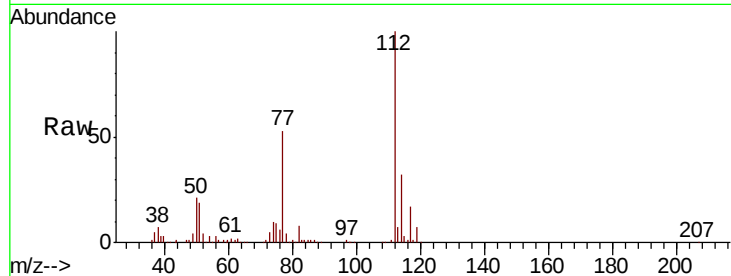
ClientSampleId :

Tot Ion:112 Resp: 268360

Ion Ratio Lower Upper

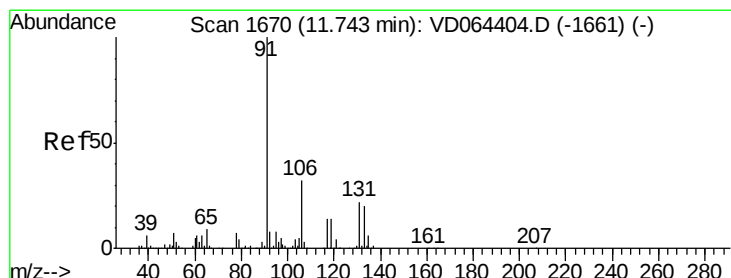
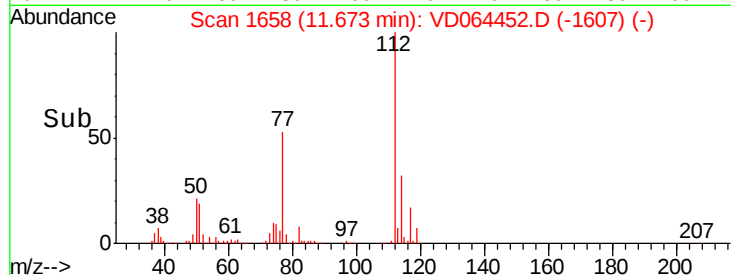
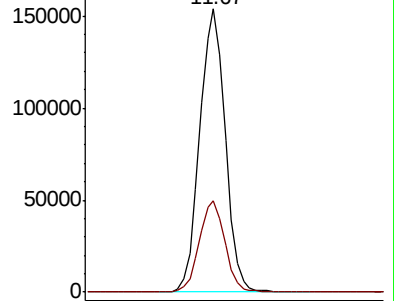
112 100

114 32.3 26.5 39.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.476 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

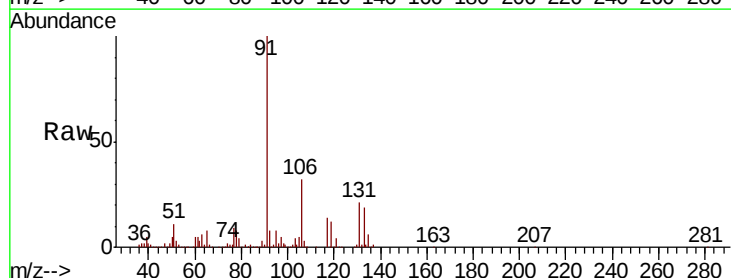
Tgt Ion:131 Resp: 100756

Ion Ratio Lower Upper

131 100

133 95.5 48.3 144.9

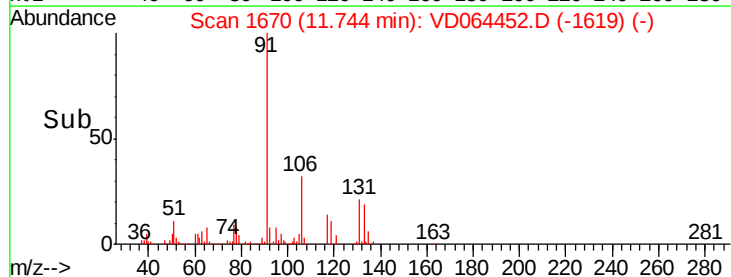
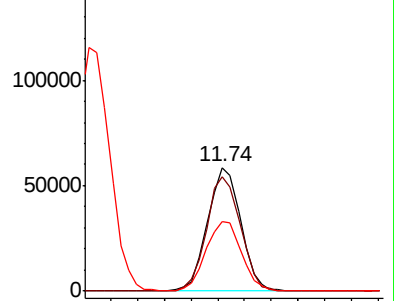
119 60.8 31.9 95.9

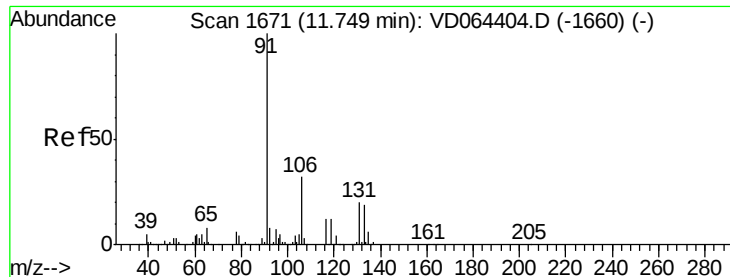


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.218 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

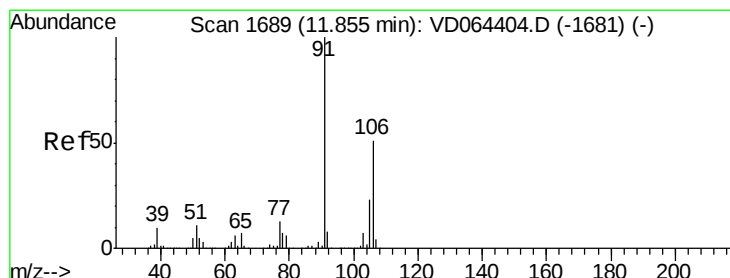
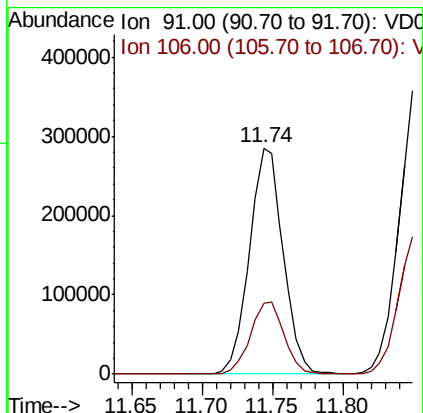
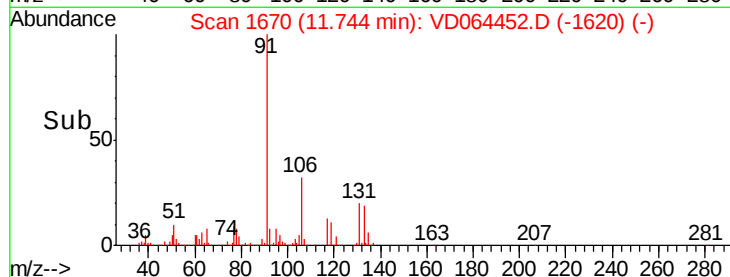
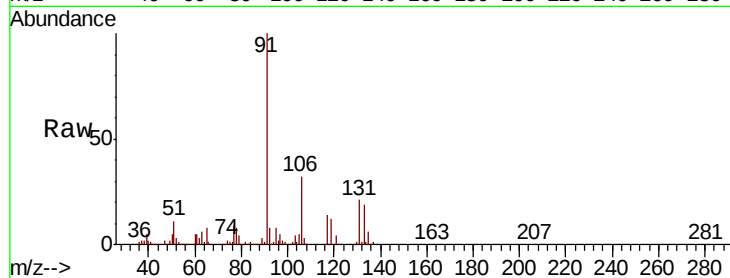
ClientSampleId :

Tot Ion: 91 Resp: 478152

Ion Ratio Lower Upper

91 100

106 31.7 25.8 38.8



#68

m/p-Xylenes

Concen: 40.199 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064452.D

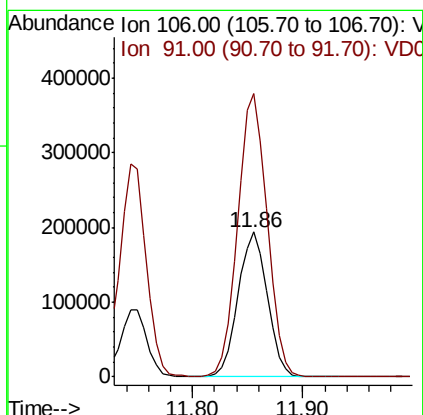
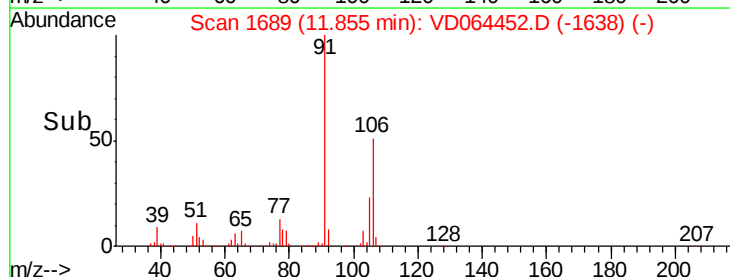
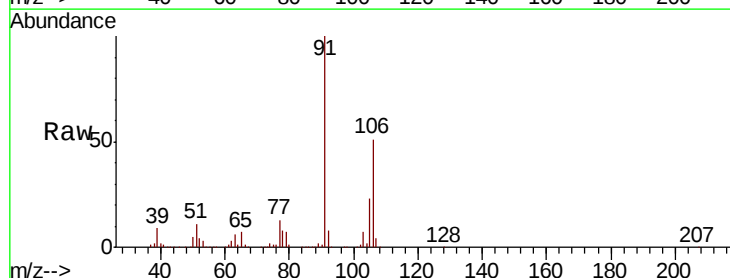
Acq: 06 Dec 2019 12:06

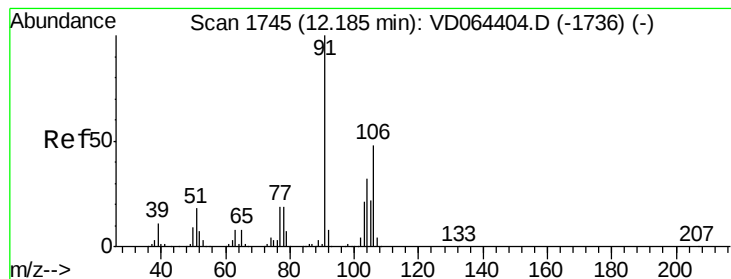
Tgt Ion: 106 Resp: 362500

Ion Ratio Lower Upper

106 100

91 196.7 157.4 236.2





#69

o-Xylene

Concen: 19.666 ug/l

RT: 12.18 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

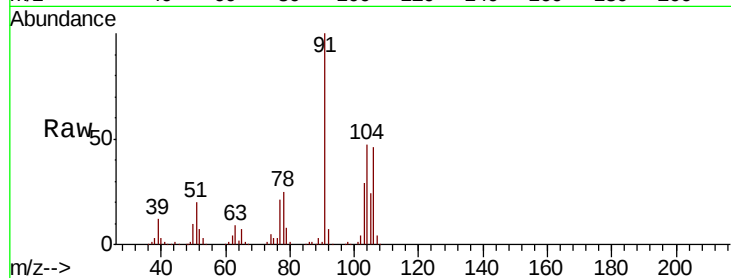
ClientSampled :

Tot Ion:106 Resp: 163781

Ion Ratio Lower Upper

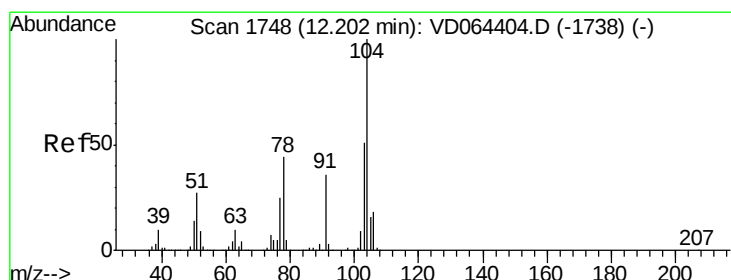
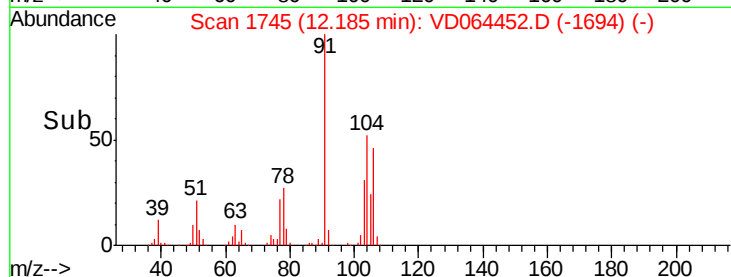
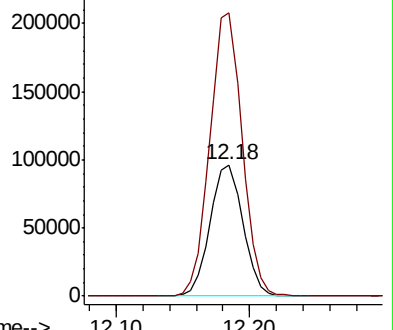
106 100

91 212.5 103.8 311.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V



#70

Styrene

Concen: 19.915 ug/l

RT: 12.20 min Scan# 1747

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

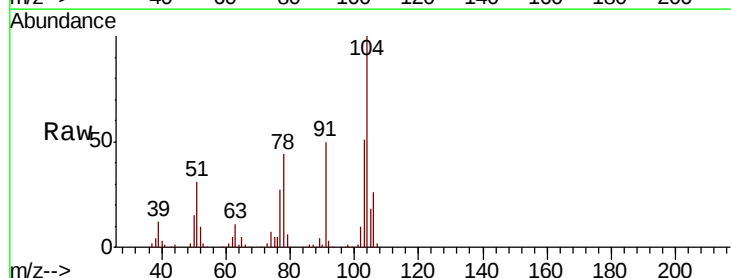
Tgt Ion:104 Resp: 288221

Ion Ratio Lower Upper

104 100

78 48.4 38.8 58.2

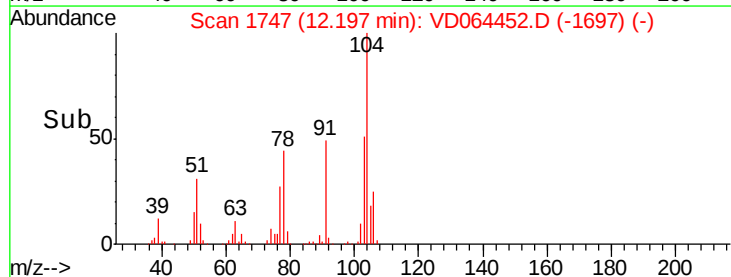
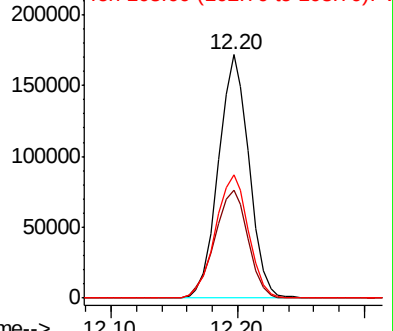
103 54.9 44.2 66.4

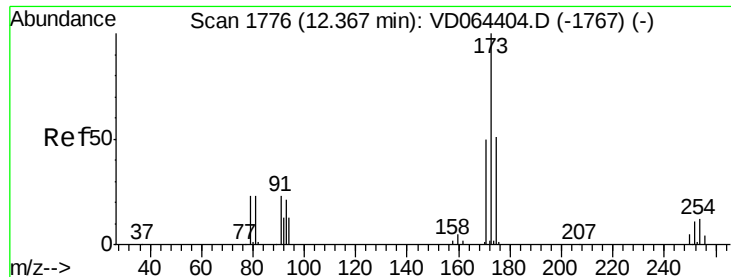


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V

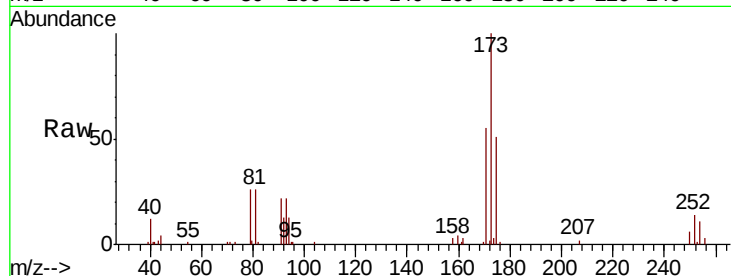




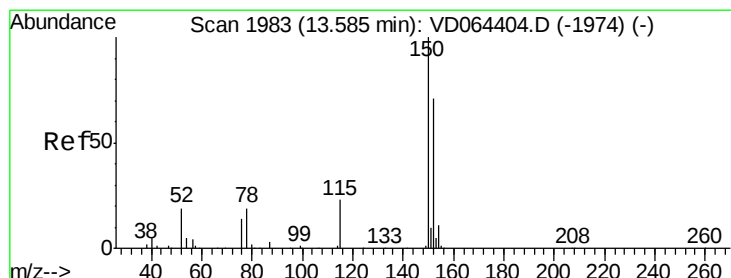
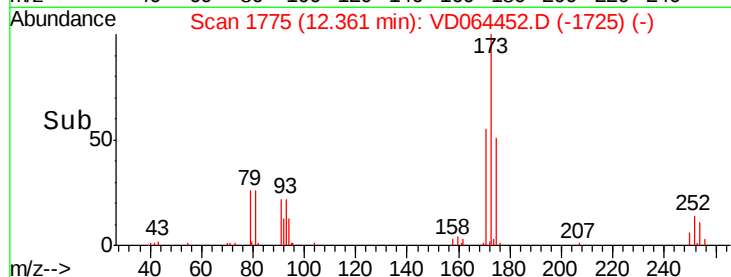
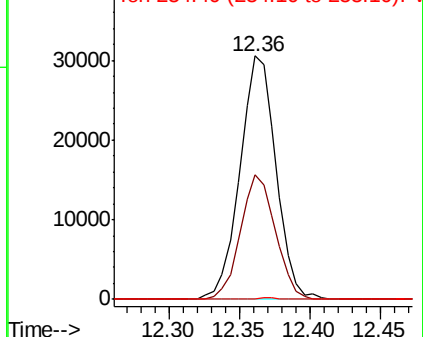
#71
Bromoform
Concen: 18.524 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 54535
Ion Ratio Lower Upper
173 100
175 49.7 25.3 75.8
254 0.2 0.0 0.0#

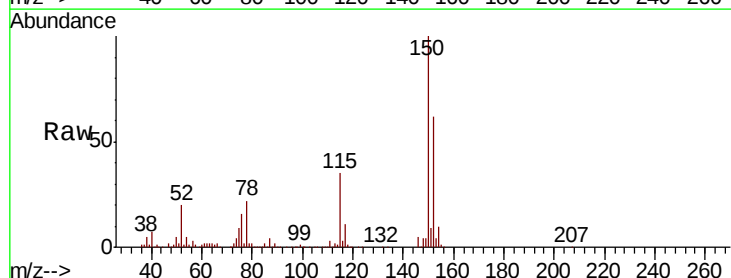


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

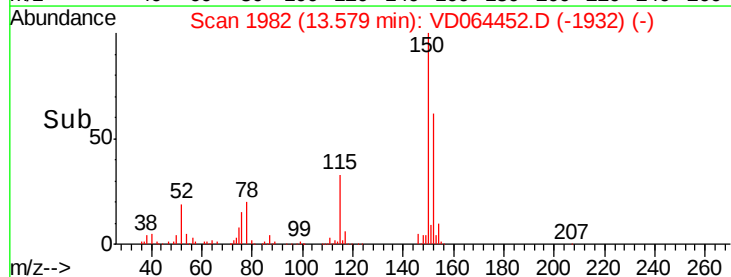
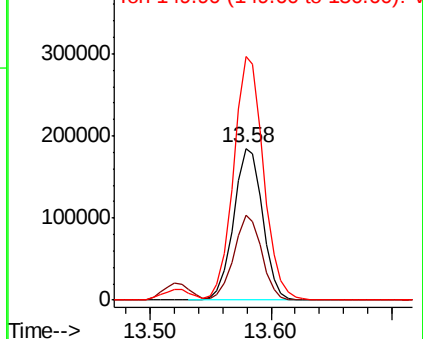


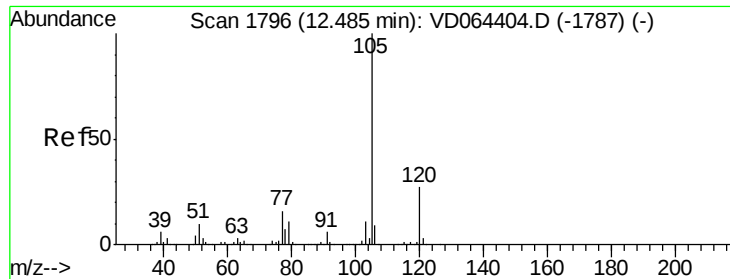
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Tgt Ion:152 Resp: 308693
Ion Ratio Lower Upper
152 100
115 53.8 26.7 80.1
150 165.3 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

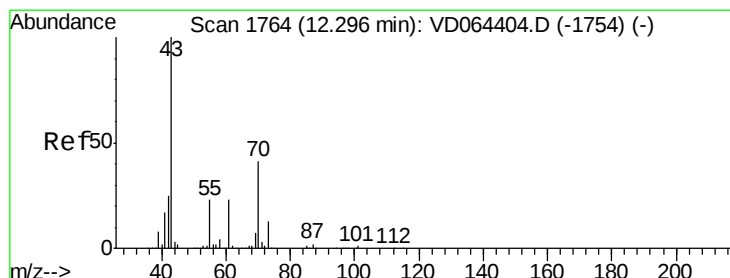
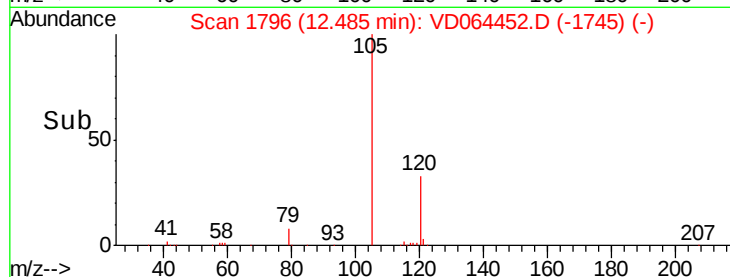
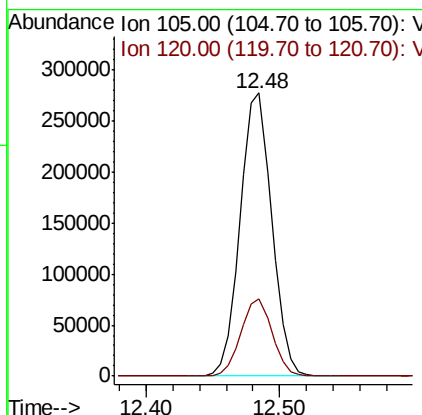
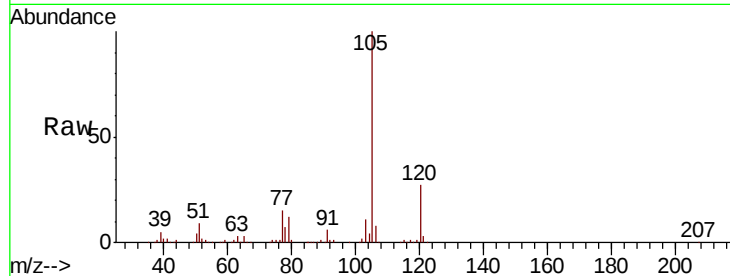




#73
Isopropylbenzene
Concen: 20.473 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

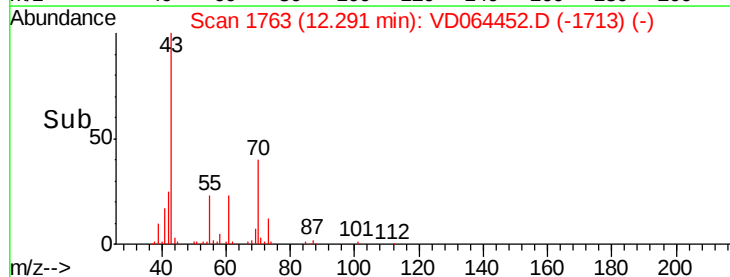
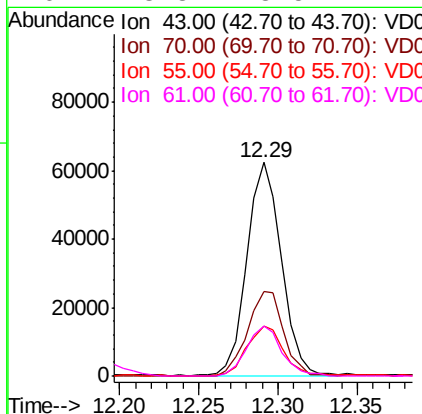
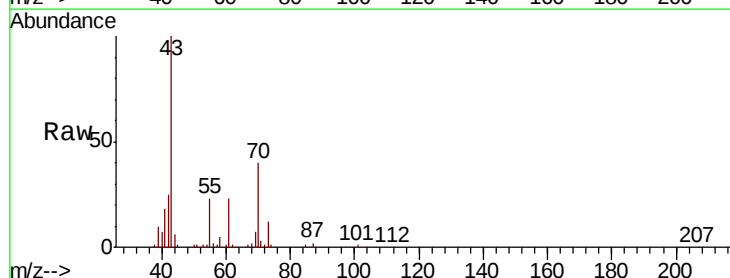
Instrument :
MSVOA_D
ClientSampleId :

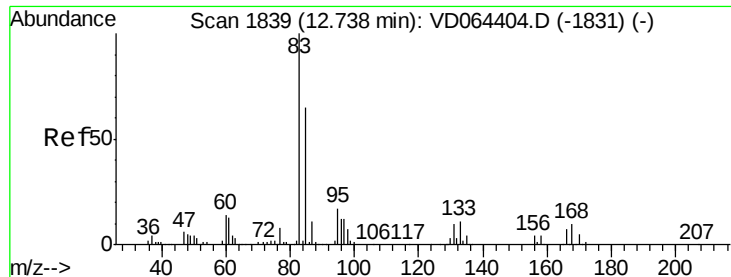
Tot Ion:105 Resp: 454535
Ion Ratio Lower Upper
105 100
120 27.0 13.4 40.2



#74
N-ethyl acetate
Concen: 18.767 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Tgt Ion: 43 Resp: 94565
Ion Ratio Lower Upper
43 100
70 41.3 33.4 50.2
55 25.2 18.9 28.3
61 23.8 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.089 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

ClientSampled :

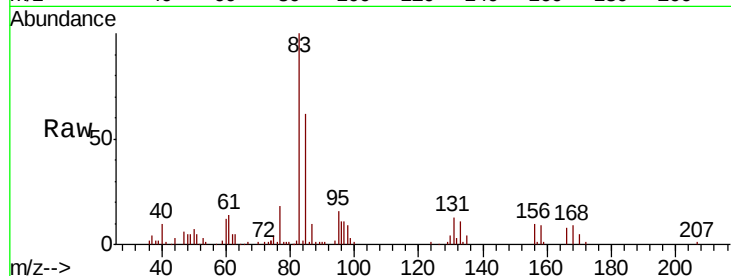
Tot Ion: 83 Resp: 70084

Ion Ratio Lower Upper

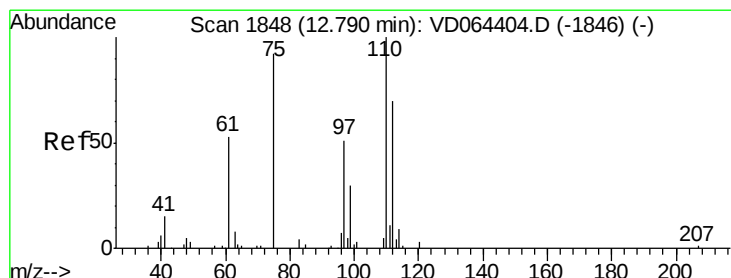
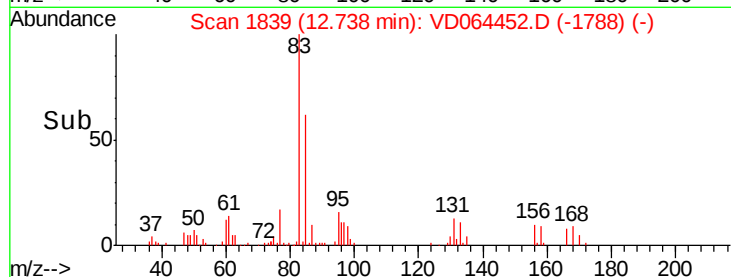
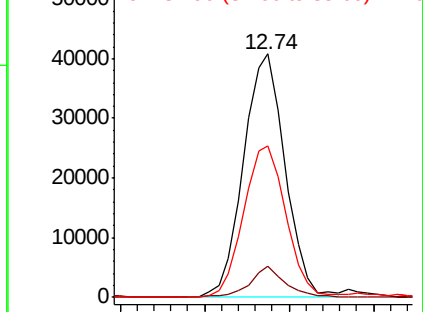
83 100

131 11.0 5.7 17.0

85 63.1 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: 36.720 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064452.D

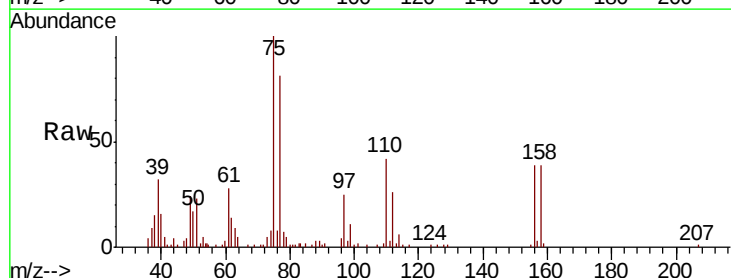
Acq: 06 Dec 2019 12:06

Tgt Ion: 75 Resp: 93218

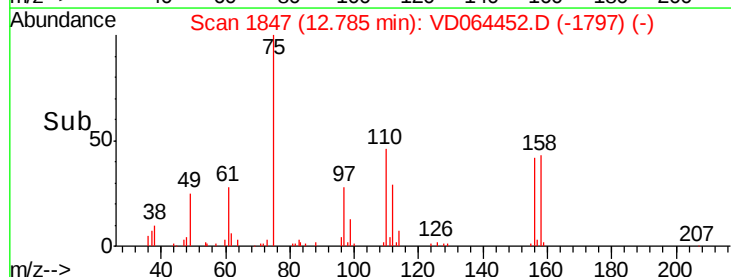
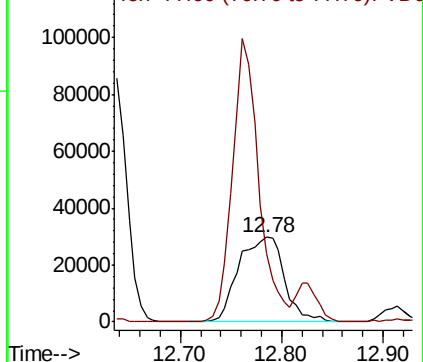
Ion Ratio Lower Upper

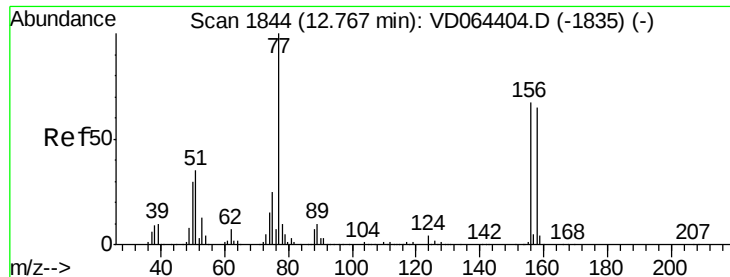
75 100

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: 20.355 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

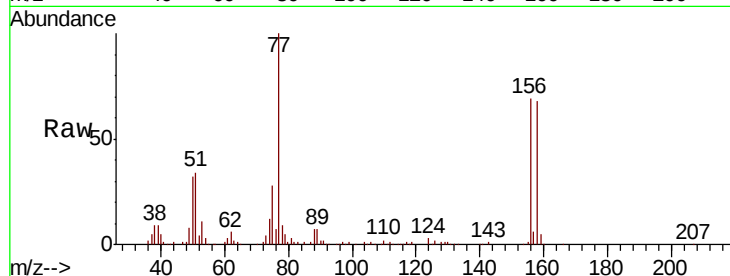
Tot Ion:156 Resp: 111599

Ion Ratio Lower Upper

156 100

77 162.4 80.0 240.2

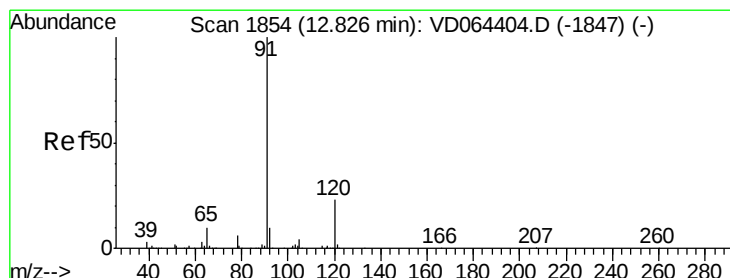
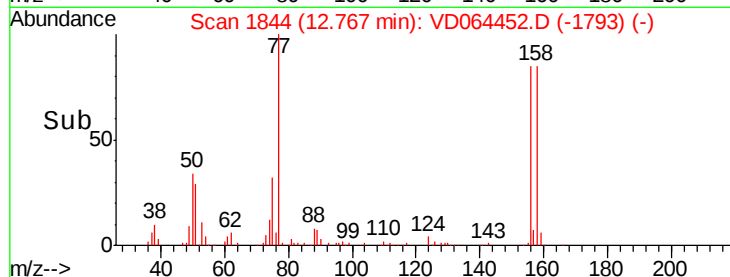
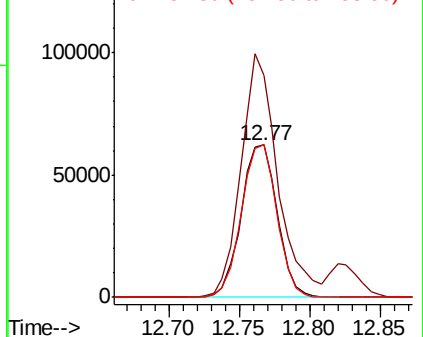
158 98.4 48.9 146.6



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: 21.090 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064452.D

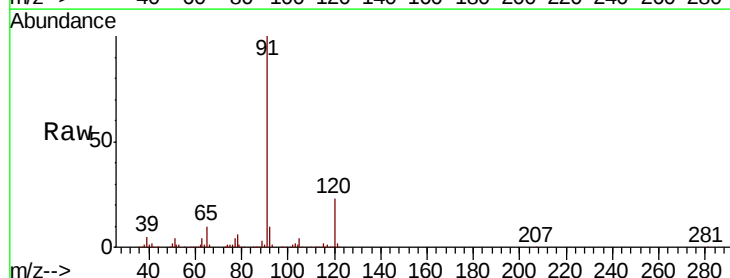
Acq: 06 Dec 2019 12:06

Tgt Ion: 91 Resp: 540247

Ion Ratio Lower Upper

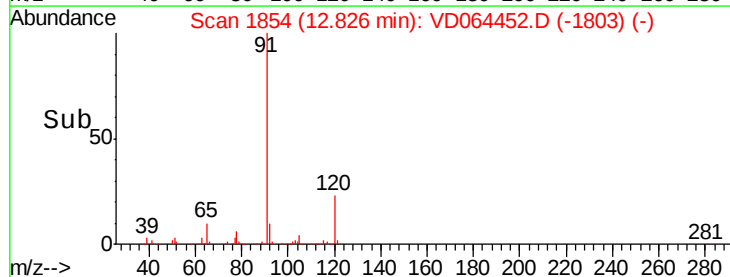
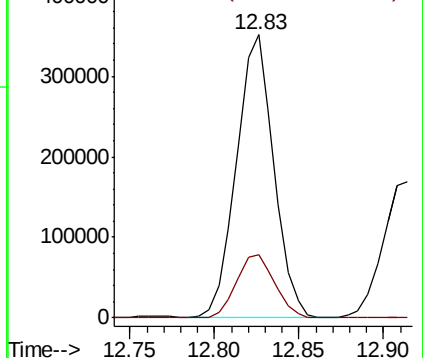
91 100

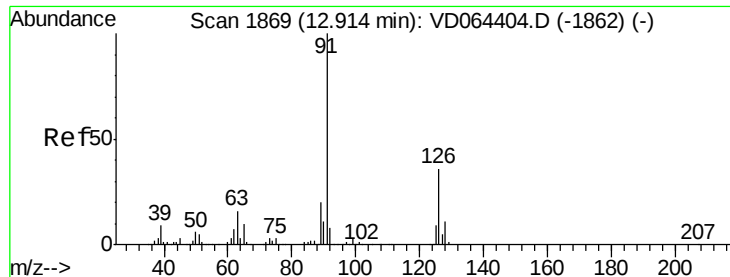
120 23.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

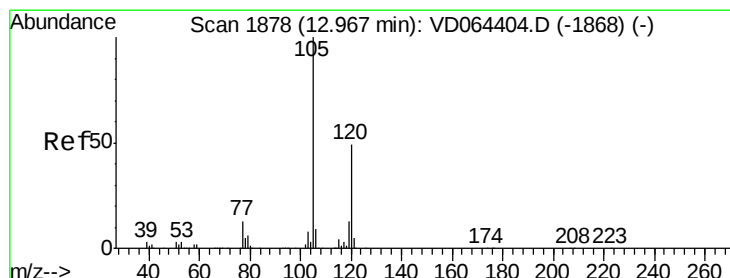
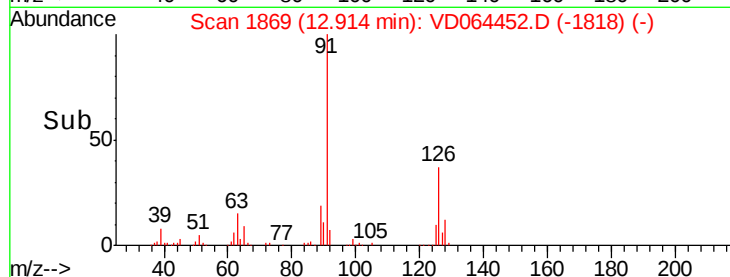
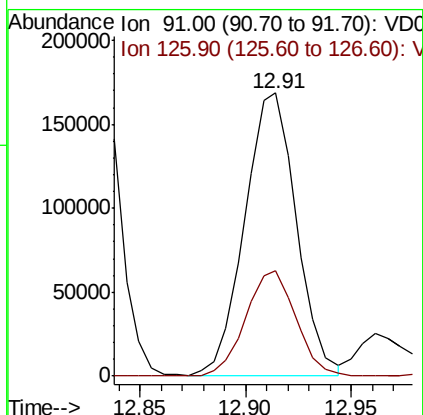
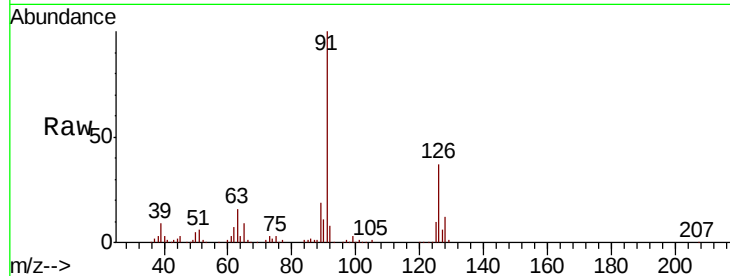




#79
2-Chlorotoluene
Concen: 20.276 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

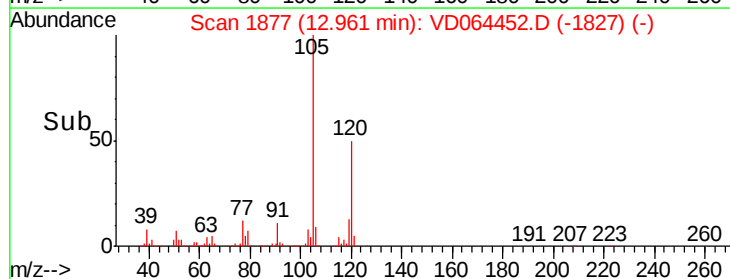
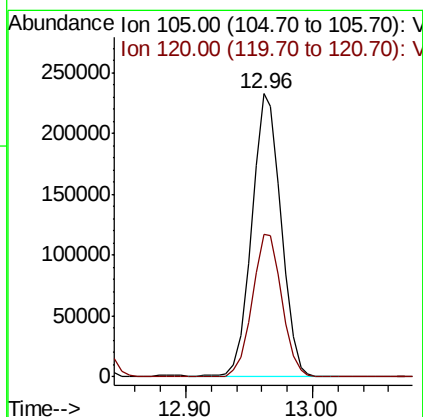
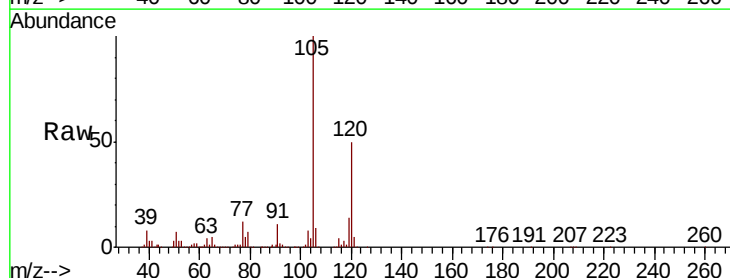
Instrument :
MSVOA_D
ClientSampleId :

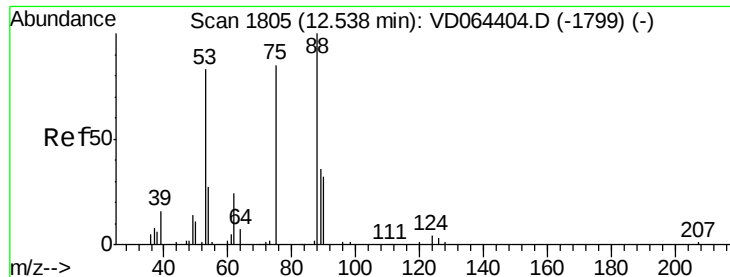
Tot Ion: 91 Resp: 285801
Ion Ratio Lower Upper
91 100
126 36.2 18.0 54.0



#80
1,3,5-Trimethylbenzene
Concen: 20.604 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Tgt Ion:105 Resp: 373811
Ion Ratio Lower Upper
105 100
120 51.1 25.1 75.3

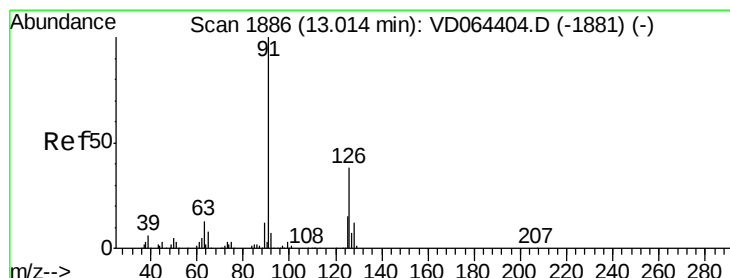
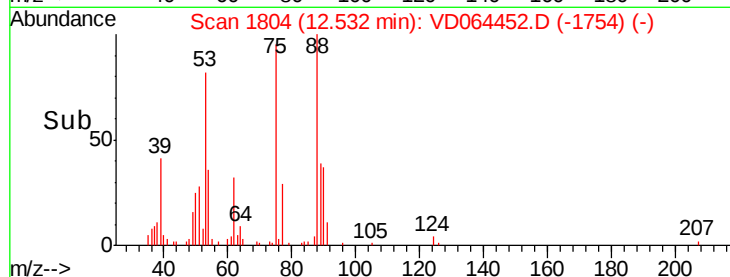
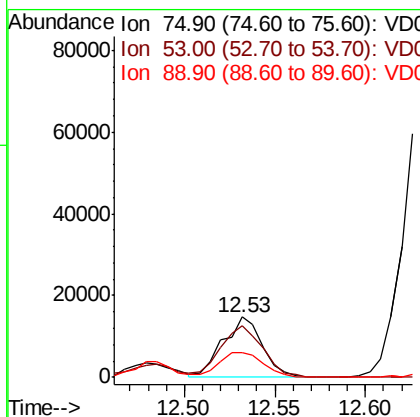
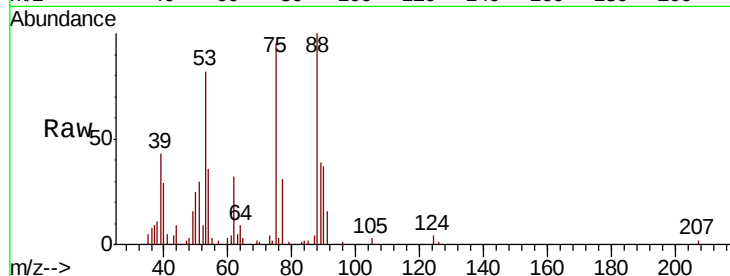




#81
trans-1,4-Dichloro-2-butene
Concen: 19.313 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

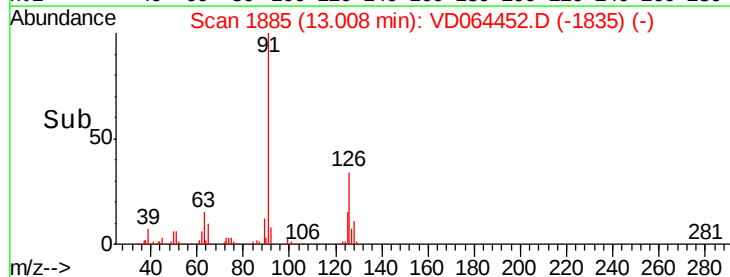
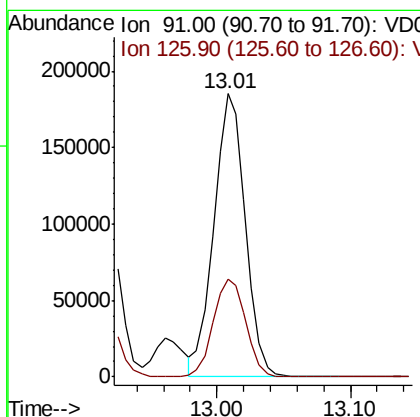
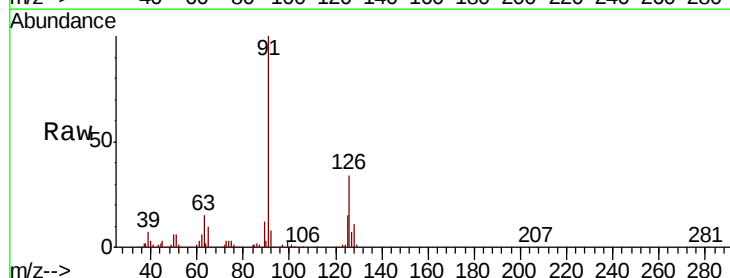
Instrument :
MSVOA_D
ClientSampleId :

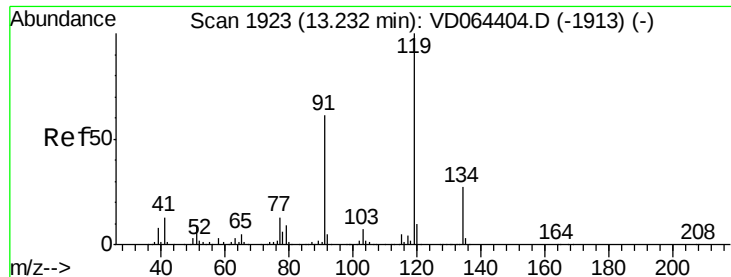
Tot Ion: 75 Resp: 22484
Ion Ratio Lower Upper
75 100
53 91.7 81.0 121.6
89 46.6 38.5 57.7



#82
4-Chlorotoluene
Concen: 20.390 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Tgt Ion: 91 Resp: 304295
Ion Ratio Lower Upper
91 100
126 35.7 18.2 54.6

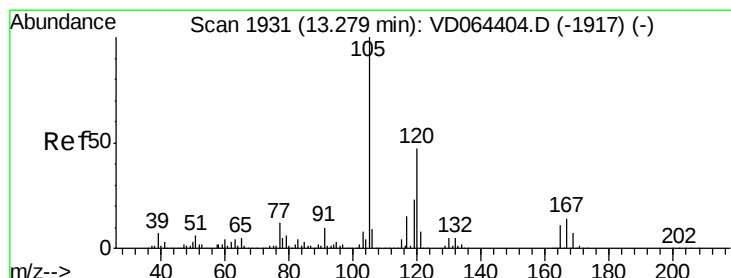
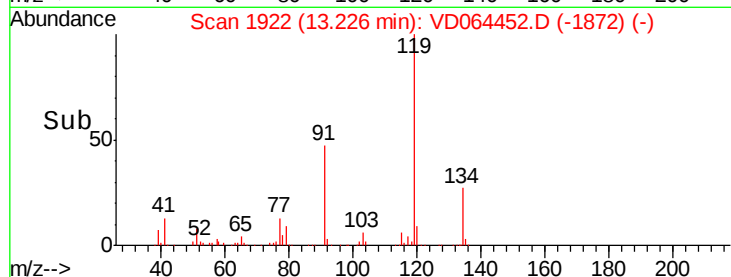
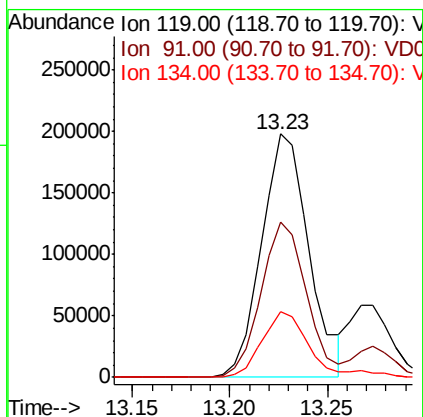
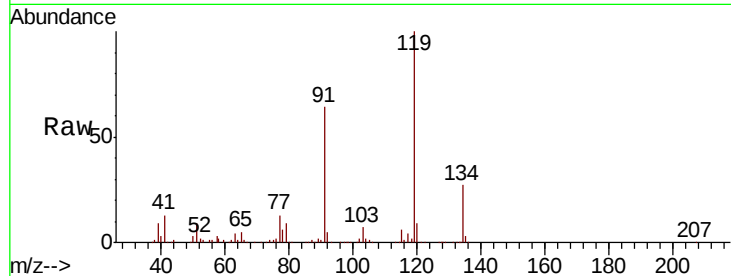




#83
tert-Butylbenzene
Concen: 21.205 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

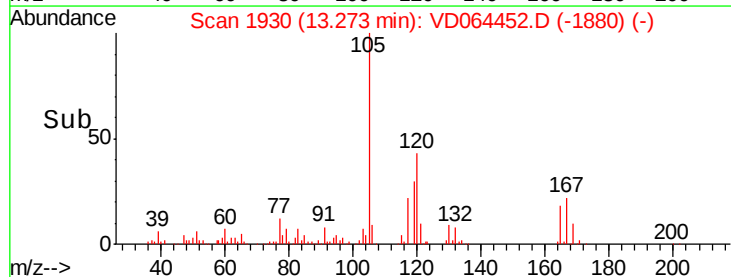
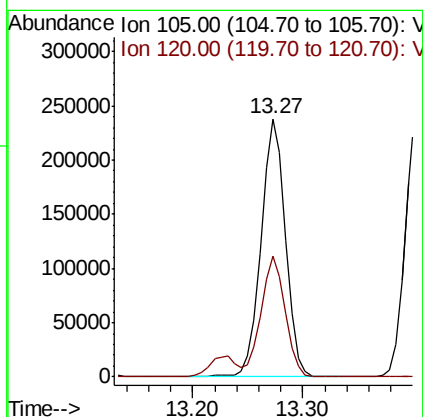
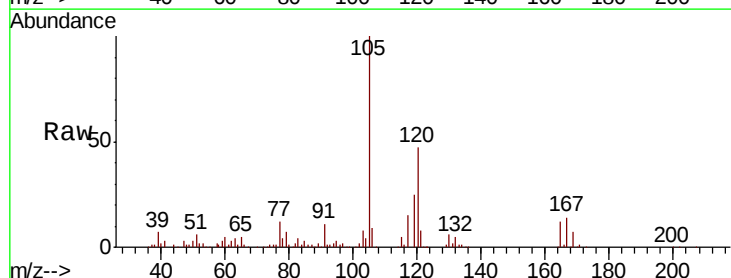
Instrument :
MSVOA_D
ClientSampleId :

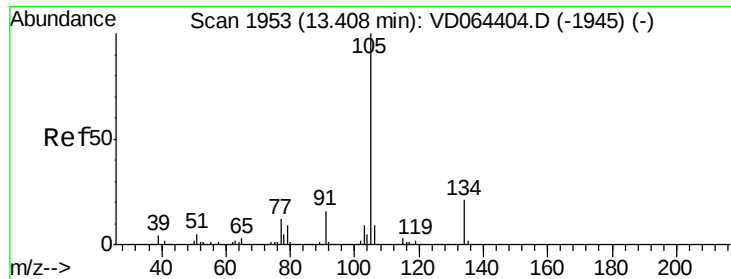
Tot Ion:119 Resp: 334466
Ion Ratio Lower Upper
119 100
91 61.0 31.2 93.6
134 27.3 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 20.218 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Tgt Ion:105 Resp: 368851
Ion Ratio Lower Upper
105 100
120 46.5 23.6 70.8





#85

sec-Butylbenzene

Concen: 20.652 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA_D

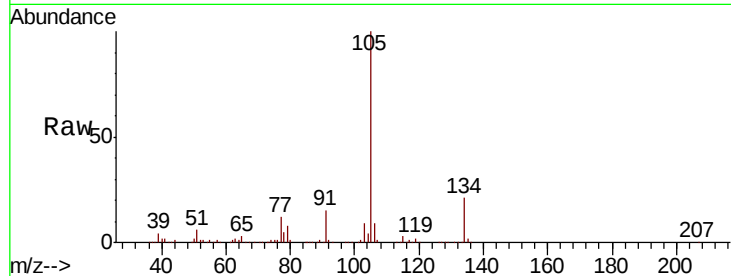
ClientSampleId :

Tot Ion:105 Resp: 447074

Ion Ratio Lower Upper

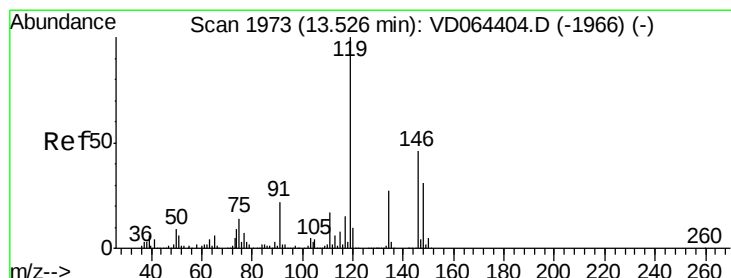
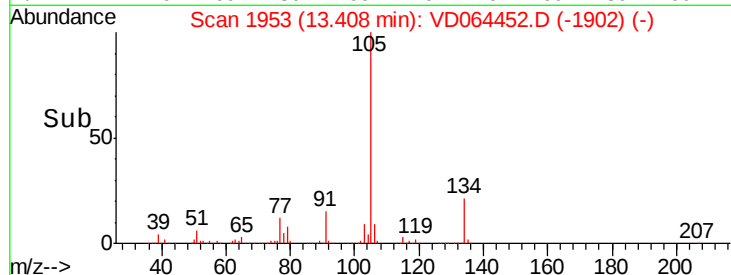
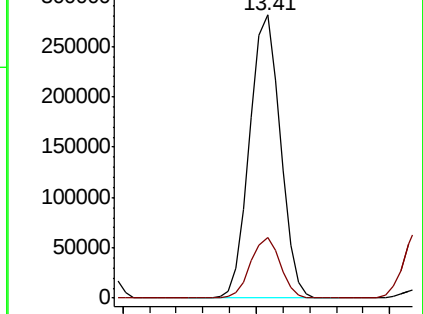
105 100

134 20.7 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: 20.499 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

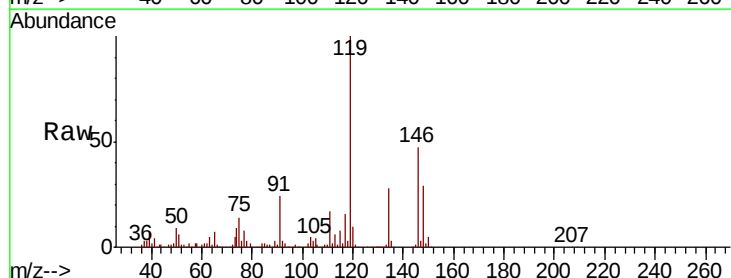
Tgt Ion:119 Resp: 418963

Ion Ratio Lower Upper

119 100

134 26.2 13.5 40.4

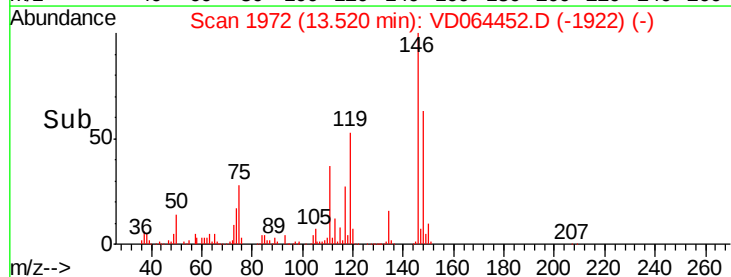
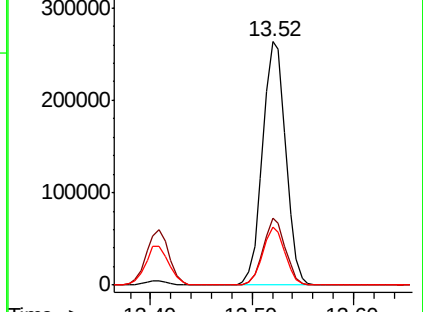
91 22.8 11.2 33.5

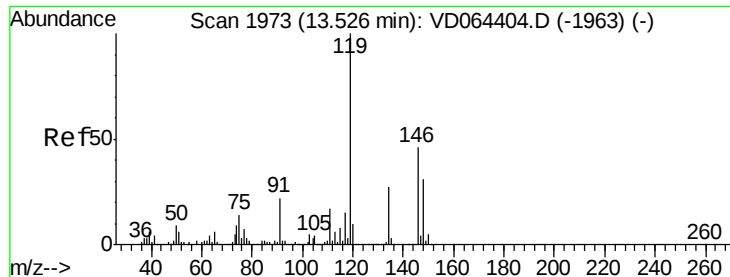


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

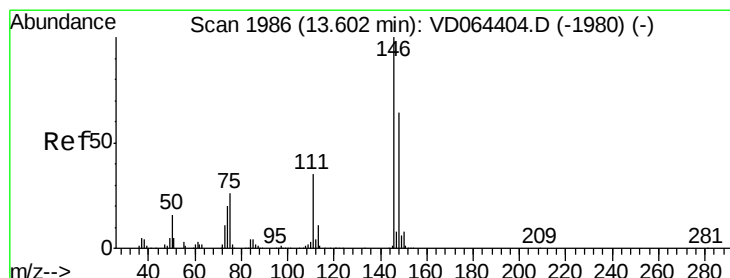
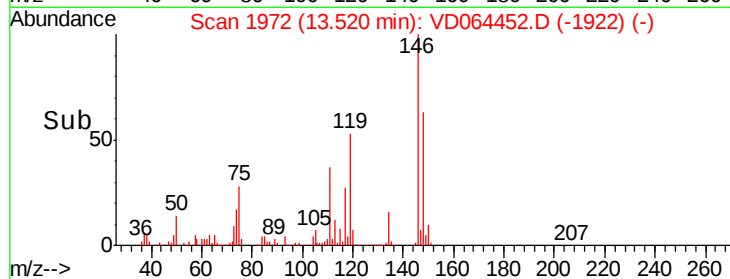
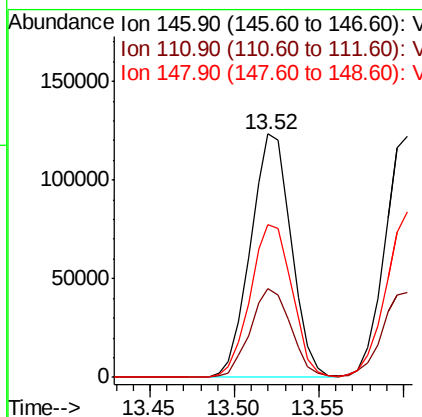
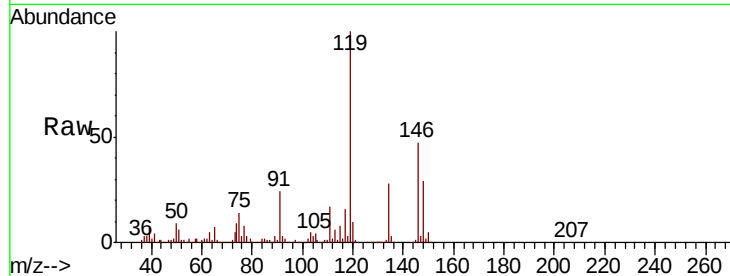




#87
 1,3-Dichlorobenzene
 Concen: 19.865 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

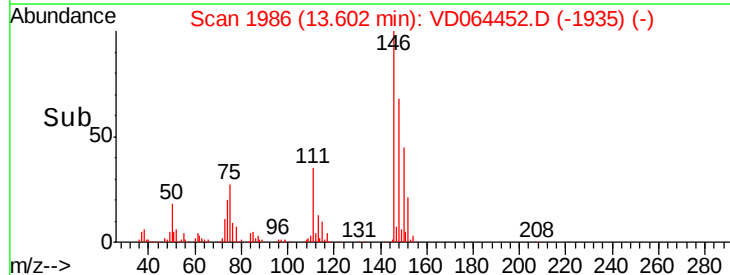
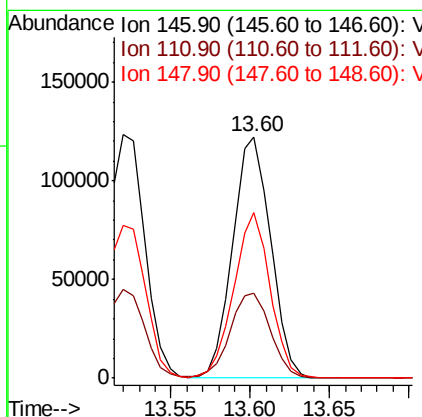
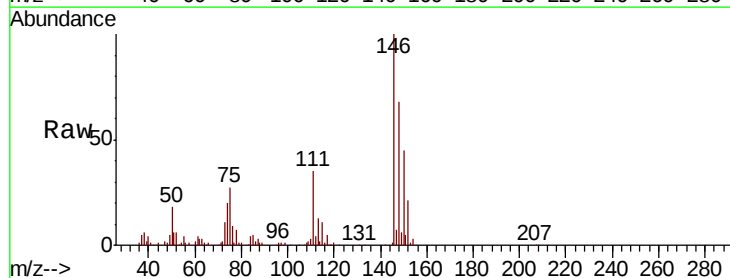
Instrument :
 MSVOA_D
 ClientSampleID :

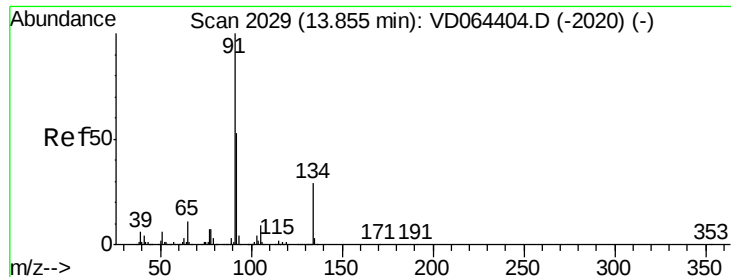
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.8	56.4
148	64.4	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 19.830 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.2	54.6
148	65.5	31.8	95.4

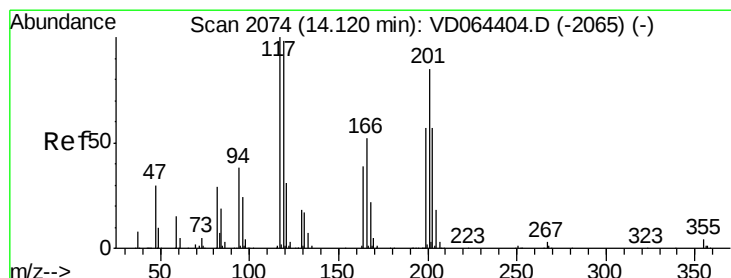
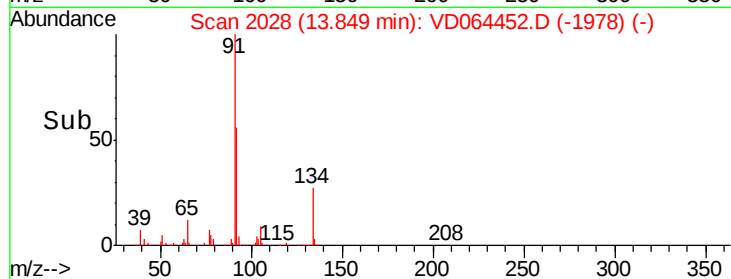
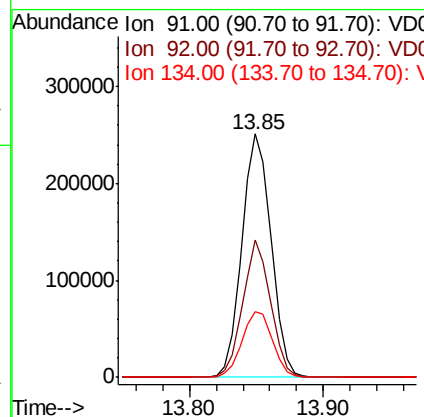
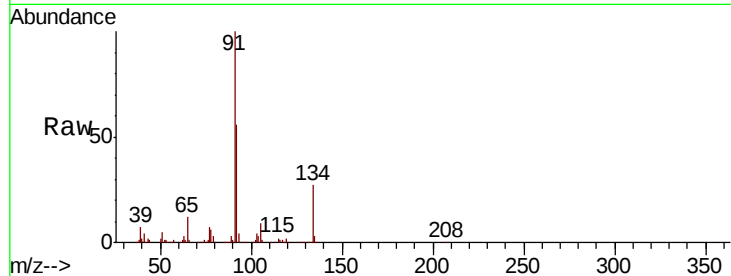




#89
n-Butylbenzene
Concen: 20.384 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

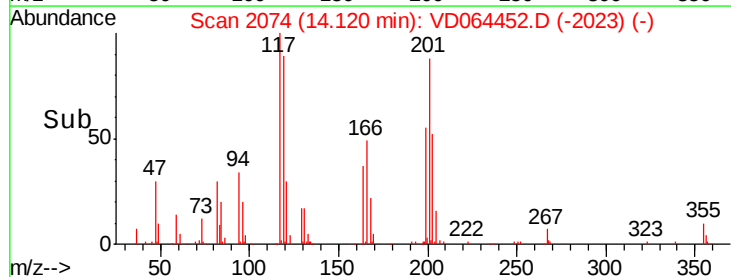
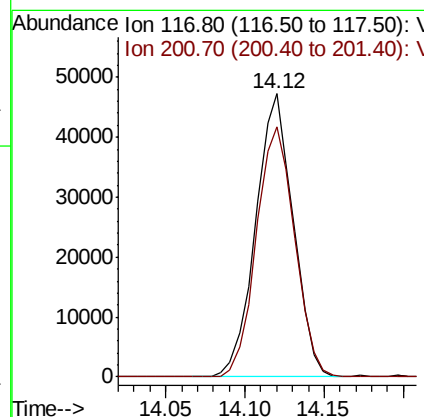
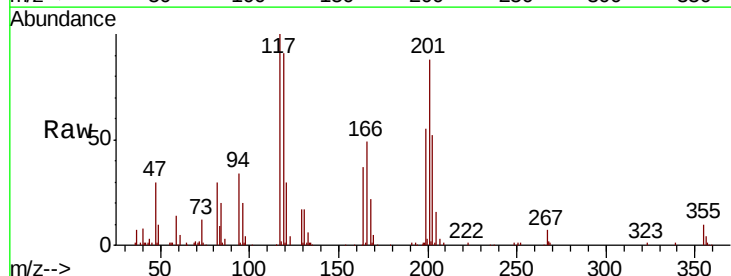
Instrument :
MSVOA_D
ClientSampleId :

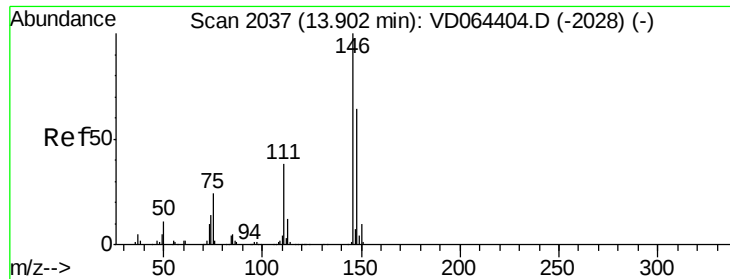
Tot Ion: 91 Resp: 378338
Ion Ratio Lower Upper
91 100
92 53.9 26.5 79.4
134 28.3 13.9 41.7



#90
Hexachloroethane
Concen: 20.308 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Tgt Ion: 117 Resp: 77631
Ion Ratio Lower Upper
117 100
201 90.4 44.3 132.8

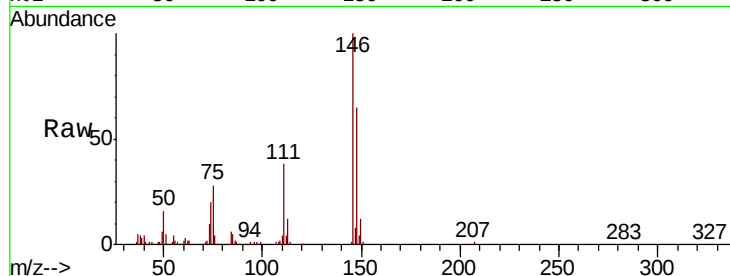




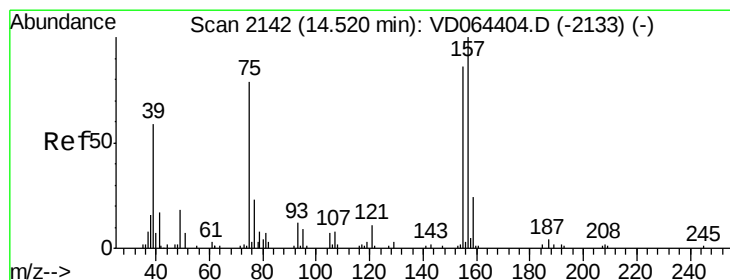
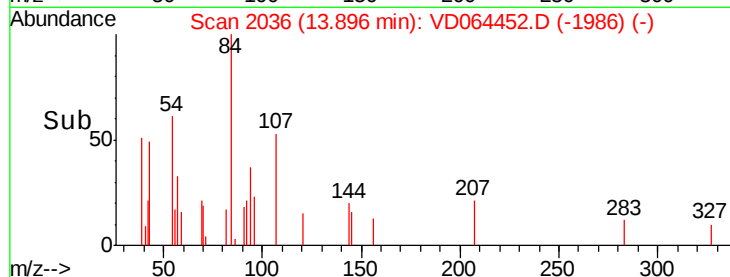
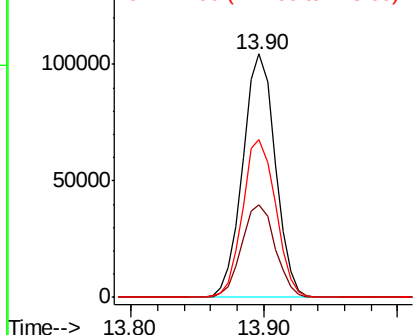
#91
 1,2-Dichlorobenzene
 Concen: 19.797 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.3
148	65.7	32.0	96.0

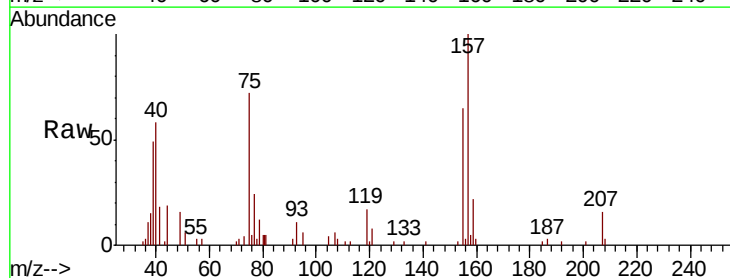


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

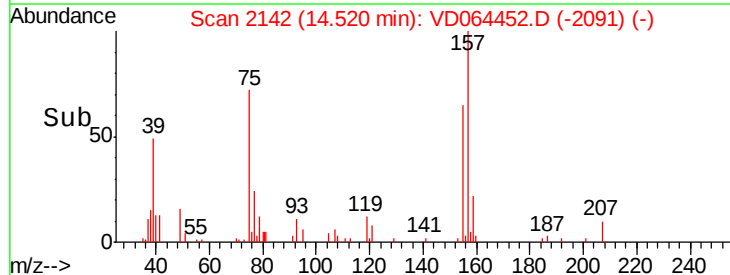
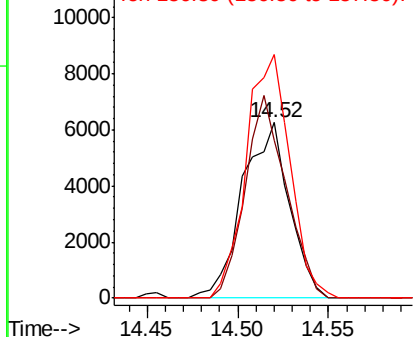


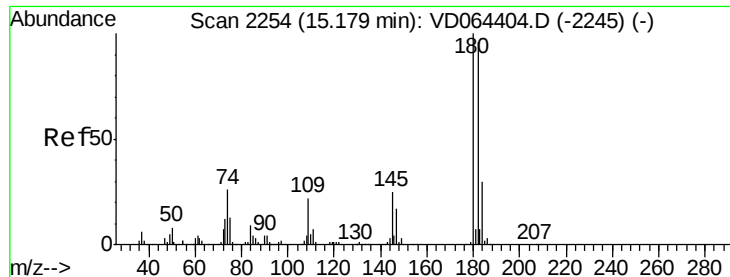
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.705 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	51.9	155.7
157	128.8	63.2	189.8



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

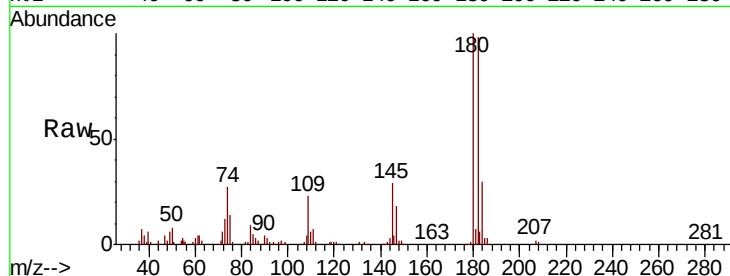




#93
 1,2,4-Trichlorobenzene
 Concen: 19.711 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.4	142.3
145	28.7	14.0	41.9

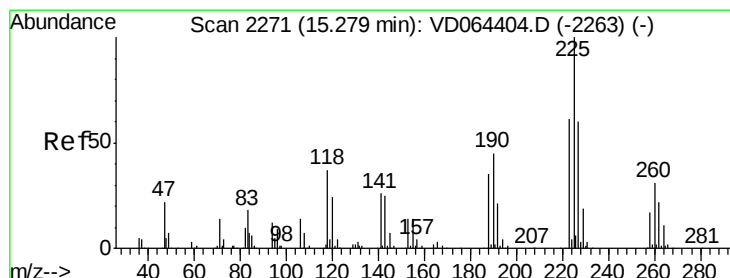
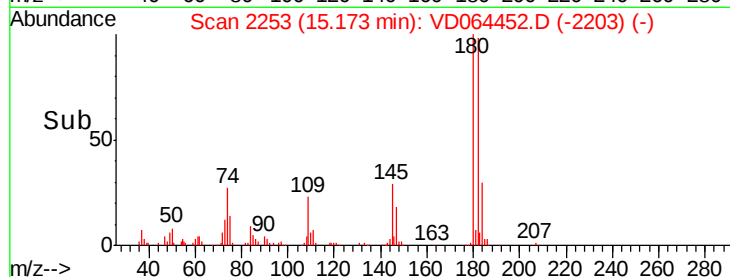
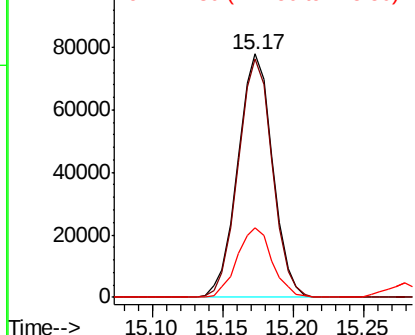


Abundance

Ion 179.80 (179.50 to 180.50): V

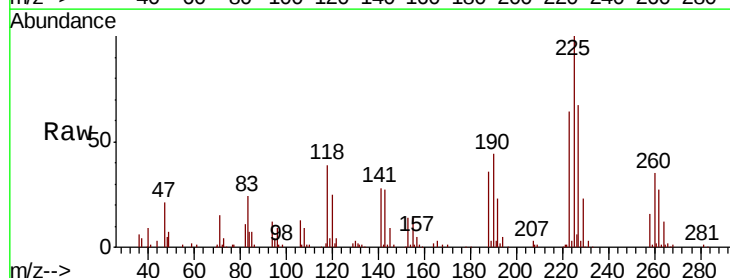
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.827 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064452.D
 Acq: 06 Dec 2019 12:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.1	93.3
227	65.9	31.8	95.4

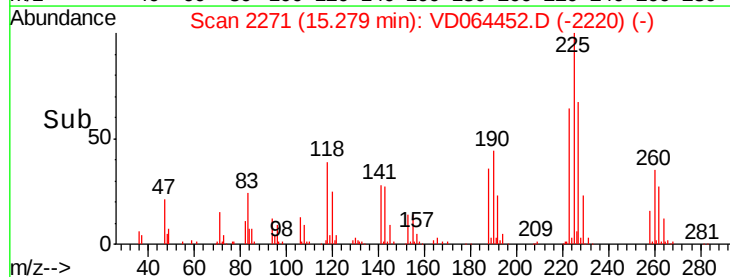
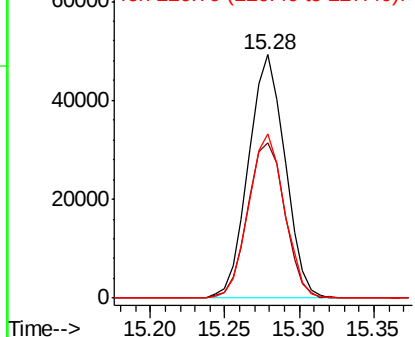


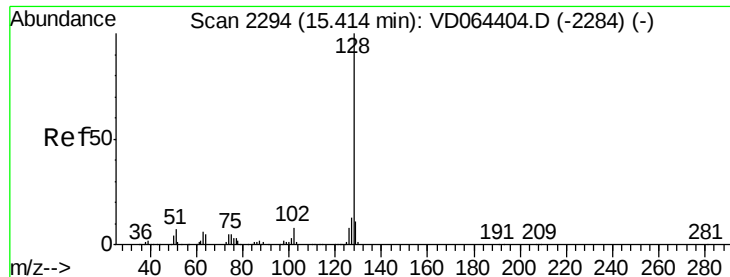
Abundance

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

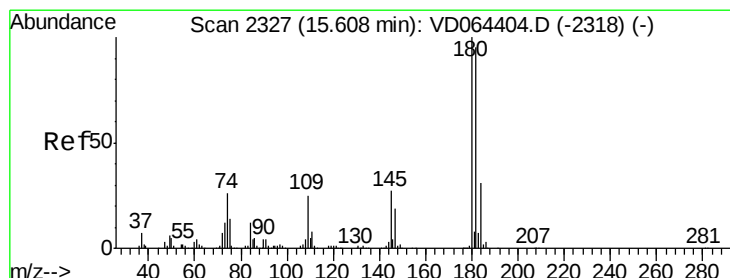
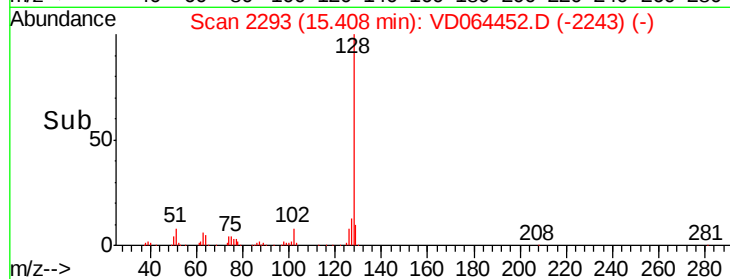
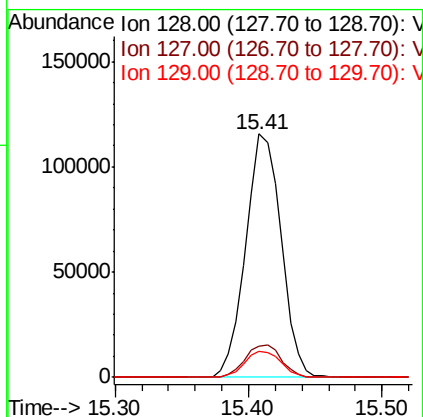
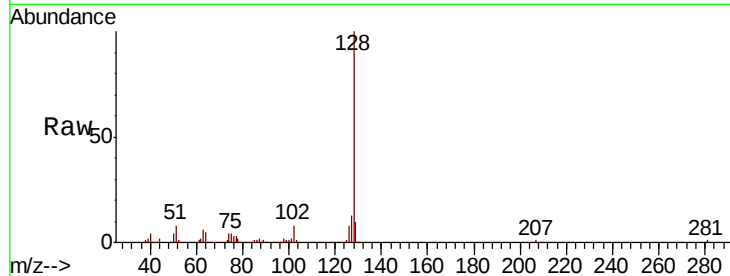




#95
Naphthalene
Concen: 18.680 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 212317
Ion Ratio Lower Upper
128 100
127 13.9 10.5 15.7
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.623 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064452.D
Acq: 06 Dec 2019 12:06

Tgt Ion:180 Resp: 114083
Ion Ratio Lower Upper
180 100
182 96.8 47.6 142.9
145 30.7 14.6 43.8

