

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120919\
 Data File : VD064480.D
 Acq On : 09 Dec 2019 19:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 02:46:42 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	408691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	617592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	568138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285627	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	202046	54.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.24%	
35) Dibromofluoromethane	7.92	113	201830	51.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.74%	
50) Toluene-d8	10.34	98	741794	50.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.64	95	241799	51.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	182211	49.205	ug/l	100
3) Chloromethane	2.21	50	238526	51.069	ug/l	99
4) Vinyl Chloride	2.35	62	283090	52.494	ug/l	99
5) Bromomethane	2.77	94	202656	50.816	ug/l	98
6) Chloroethane	2.92	64	194525	53.967	ug/l	98
7) Trichlorofluoromethane	3.27	101	483860	53.972	ug/l	96
8) Diethyl Ether	3.71	74	104787	56.248	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	199810	51.980	ug/l	97
10) Methyl Iodide	4.30	142	236552	58.273	ug/l	100
11) Tert butyl alcohol	5.26	59	62530	265.547	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	194667	52.845	ug/l	98
13) Acrolein	3.93	56	81459	253.620	ug/l	97
14) Allyl chloride	4.71	41	313965	54.613	ug/l	99
15) Acrylonitrile	5.43	53	226563	278.110	ug/l	98
16) Acetone	4.17	43	195263	261.206	ug/l	94
17) Carbon Disulfide	4.40	76	613647	52.597	ug/l	98
18) Methyl Acetate	4.73	43	121341	55.648	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	471526	55.802	ug/l	99
20) Methylene Chloride	4.96	84	231339	61.971	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	229691	55.123	ug/l	98
22) Diisopropyl ether	6.37	45	642645	56.625	ug/l	97
23) Vinyl Acetate	6.31	43	1882663	281.385	ug/l	98
24) 1,1-Dichloroethane	6.27	63	380314	55.722	ug/l	99
25) 2-Butanone	7.23	43	283273	267.951	ug/l	99
26) 2,2-Dichloropropane	7.21	77	322450	54.325	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	254396	55.999	ug/l	99
28) Bromochloromethane	7.55	49	136239	58.409	ug/l	99
29) Tetrahydrofuran	7.57	42	189125	281.183	ug/l	97
30) Chloroform	7.71	83	398656	56.398	ug/l	98
31) Cyclohexane	7.98	56	333165	56.508	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	358577	54.717	ug/l	99
36) 1,1-Dichloropropene	8.11	75	302917	51.855	ug/l	99
37) Ethyl Acetate	7.30	43	131481	53.045	ug/l	99
38) Carbon Tetrachloride	8.10	117	326039	52.883	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	364485	50.300	ug/l	99
40) Benzene	8.35	78	873497	53.838	ug/l	98
41) Methacrylonitrile	7.53	41	72460	50.975	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	253978	53.678	ug/l	100
43) Isopropyl Acetate	8.46	43	257939	52.926	ug/l	99
44) Trichloroethene	9.11	130	253945	51.961	ug/l	99
45) 1,2-Dichloropropane	9.39	63	215058	55.424	ug/l	98
46) Dibromomethane	9.48	93	119712	54.663	ug/l	98
47) Bromodichloromethane	9.67	83	310377	55.157	ug/l	100
48) Methyl methacrylate	9.46	41	120591	54.074	ug/l	98
49) 1,4-Dioxane	9.46	88	29264	1082.123	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	645067	267.506	ug/l	100
52) Toluene	10.40	92	561857	53.138	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	295612	55.122	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	351418	55.160	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	162335	54.135	ug/l	98
56) Ethyl methacrylate	10.66	69	209228	54.705	ug/l	100
57) 1,3-Dichloropropane	10.95	76	280045	54.861	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	381062	249.931	ug/l	99
59) 2-Hexanone	10.98	43	438146	261.853	ug/l	98
60) Dibromochloromethane	11.14	129	221469	54.471	ug/l	98
61) 1,2-Dibromoethane	11.25	107	156571	52.293	ug/l	99
64) Tetrachloroethene	10.88	164	228149	52.660	ug/l	97
65) Chlorobenzene	11.67	112	608254	51.332	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	232184	52.931	ug/l	99
67) Ethyl Benzene	11.75	91	1070669	50.784	ug/l	99
68) m/p-Xylenes	11.86	106	831988	103.497	ug/l	100
69) o-Xylene	12.18	106	387562	52.202	ug/l	100
70) Styrene	12.20	104	678163	52.565	ug/l	100
71) Bromoform	12.36	173	136193	51.895	ug/l #	97
73) Isopropylbenzene	12.48	105	1032362	50.255	ug/l	99
74) N-amyl acetate	12.29	43	235344	50.477	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	170288	50.127	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	225804	96.132	ug/l #	100
77) Bromobenzene	12.77	156	260439	51.339	ug/l	99
78) n-propylbenzene	12.83	91	1189878	50.201	ug/l	100
79) 2-Chlorotoluene	12.91	91	667963	51.216	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	850713	50.676	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	54098	50.220	ug/l	99
82) 4-Chlorotoluene	13.01	91	695964	50.400	ug/l	100
83) tert-Butylbenzene	13.23	119	739718	50.685	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	850878	50.407	ug/l	100
85) sec-Butylbenzene	13.41	105	996448	49.746	ug/l	99
86) p-Isopropyltoluene	13.53	119	954145	50.455	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	489787	50.869	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	486469	51.175	ug/l	100
89) n-Butylbenzene	13.85	91	867945	50.540	ug/l	99
90) Hexachloroethane	14.12	117	180980	51.167	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	419319	50.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26497	52.412	ug/l	98

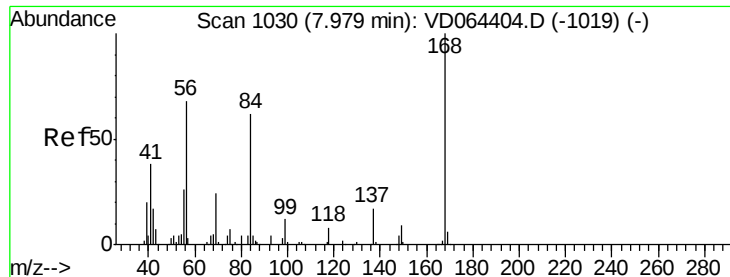
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	317449	50.374	ug/l	100
94) Hexachlorobutadiene	15.28	225	193385	49.709	ug/l	99
95) Naphthalene	15.41	128	524841	49.904	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	273824	50.904	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

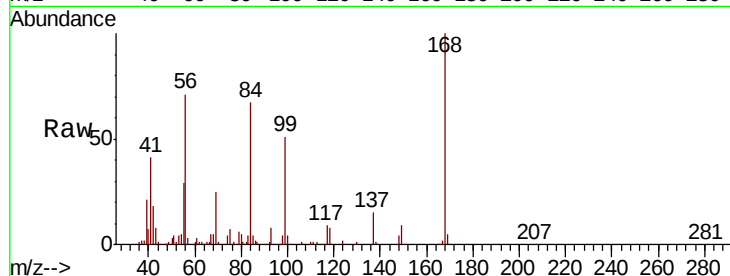
ClientSampleId :

Tot Ion:168 Resp: 408691

Ion Ratio Lower Upper

168 100

99 50.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

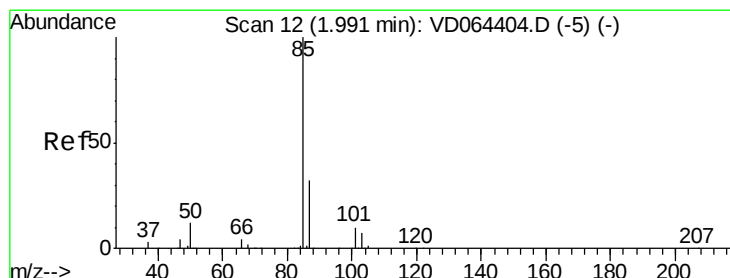
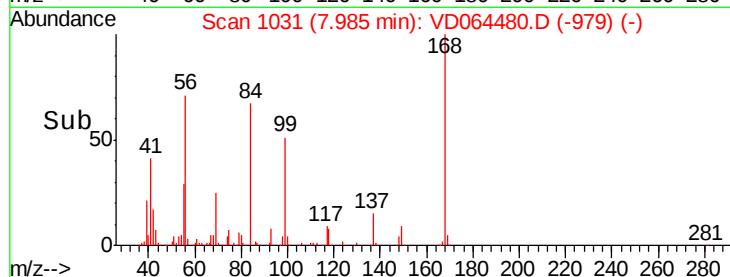
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.205 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064480.D

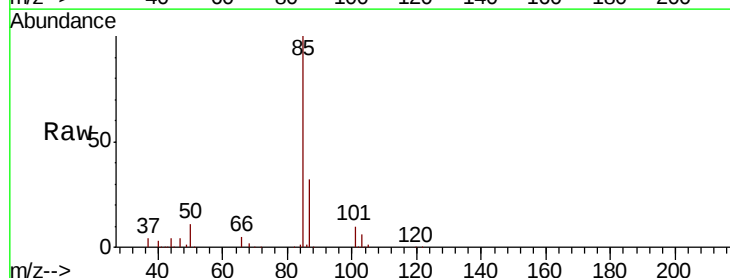
Acq: 09 Dec 2019 19:42

Tgt Ion: 85 Resp: 182211

Ion Ratio Lower Upper

85 100

87 31.9 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

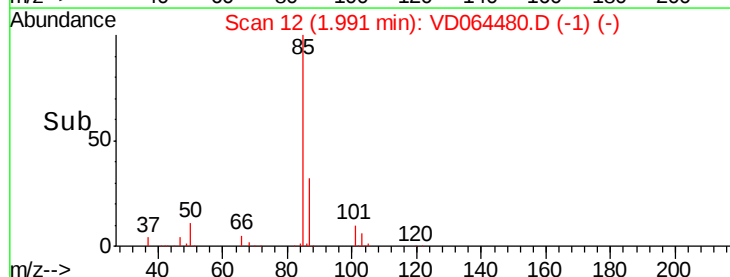
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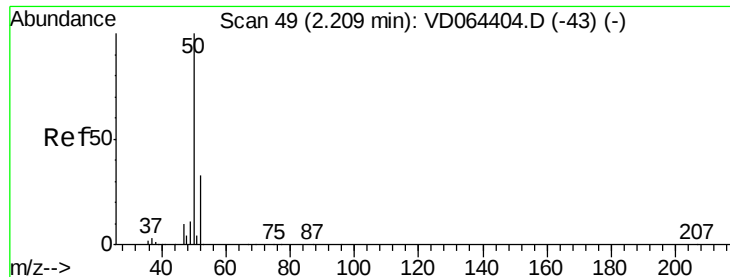
100000

50000

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Time-->





#3

Chloromethane

Concen: 51.069 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

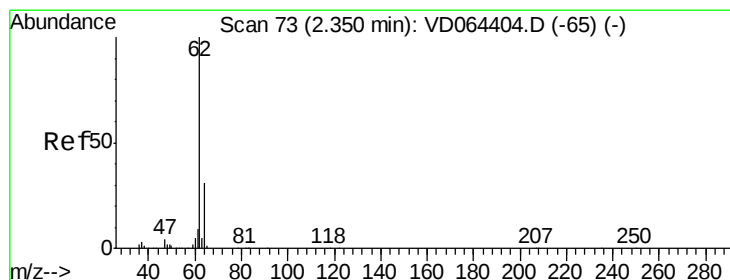
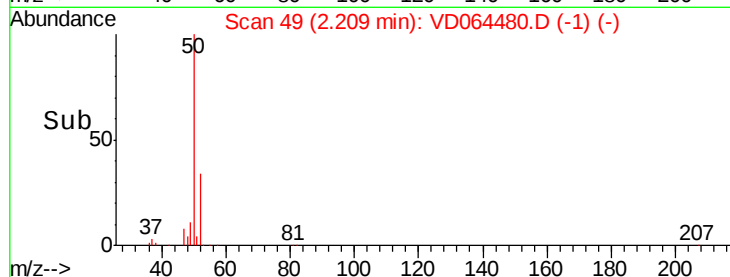
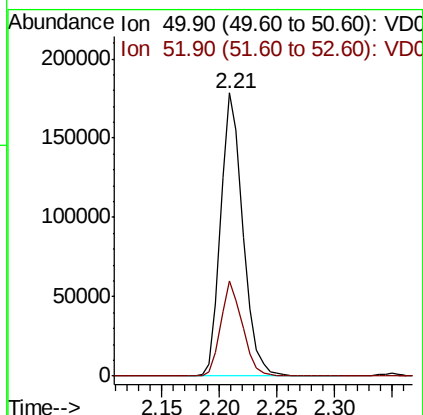
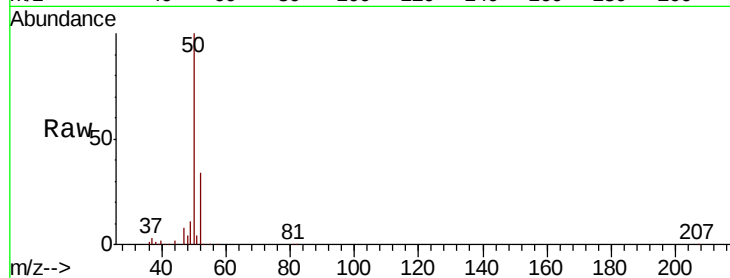
ClientSampleId :

Tot Ion: 50 Resp: 238526

Ion Ratio Lower Upper

50 100

52 33.7 26.7 40.1



#4

Vinyl Chloride

Concen: 52.494 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064480.D

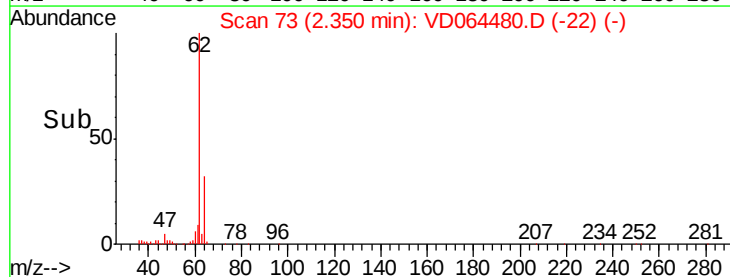
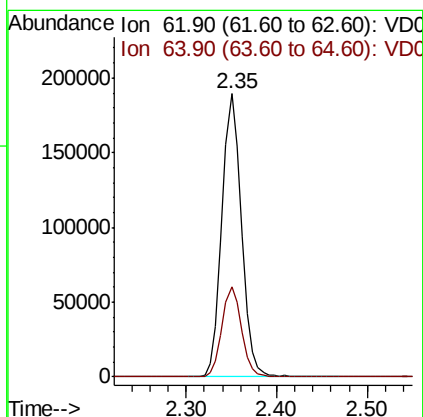
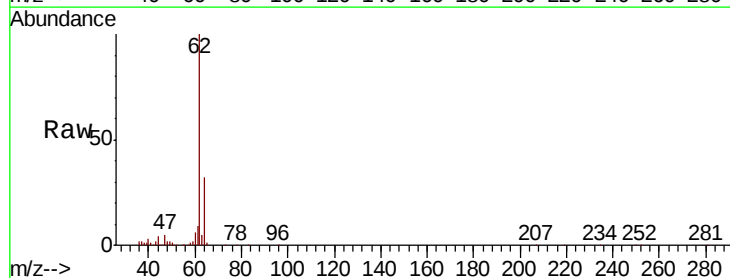
Acq: 09 Dec 2019 19:42

Tgt Ion: 62 Resp: 283090

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.4





#5

Bromomethane

Concen: 50.816 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

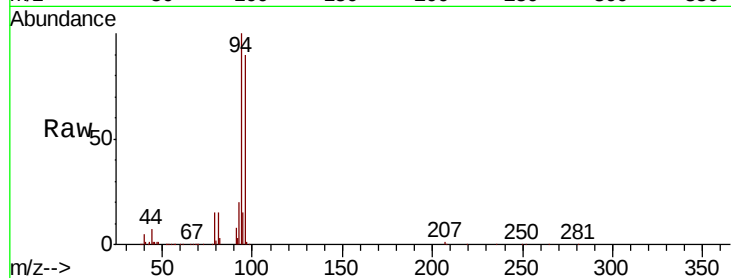
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 202656

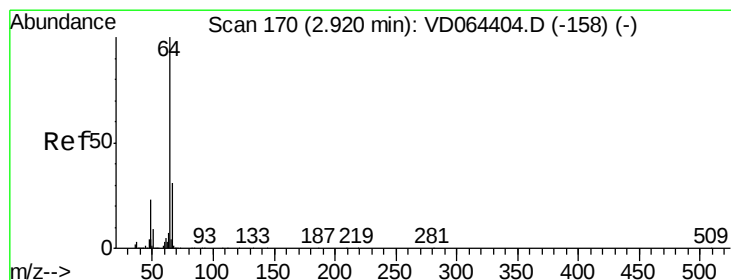
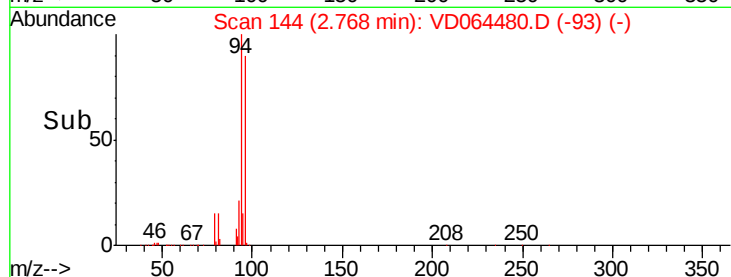
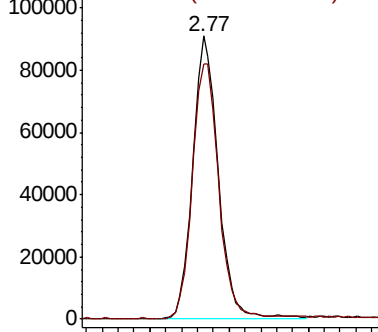
Ion Ratio Lower Upper

94 100

96 89.8 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: 53.967 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064480.D

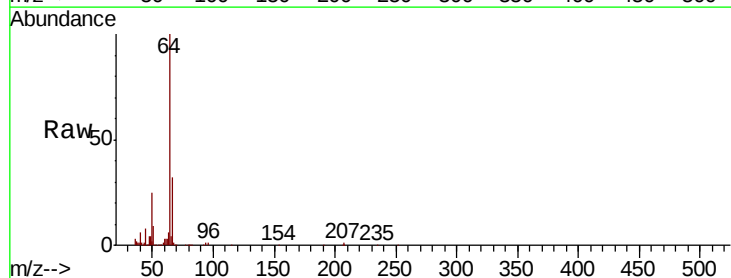
Acq: 09 Dec 2019 19:42

Tgt Ion: 64 Resp: 194525

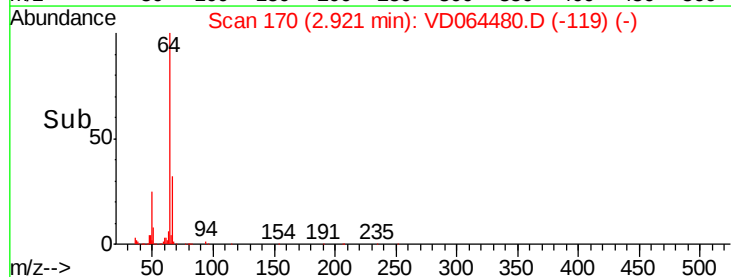
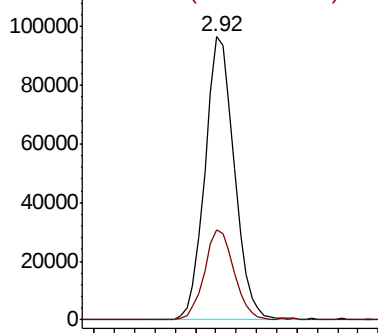
Ion Ratio Lower Upper

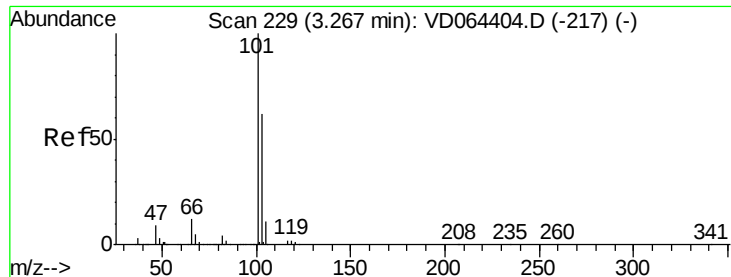
64 100

66 32.0 24.6 37.0



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



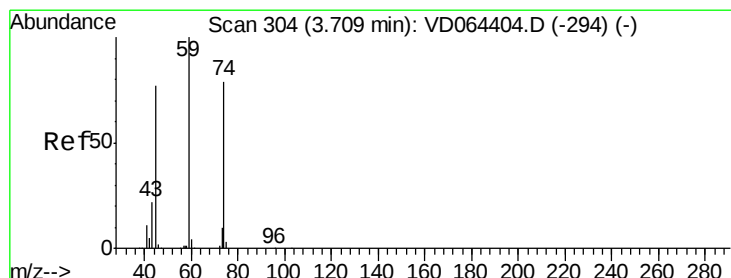
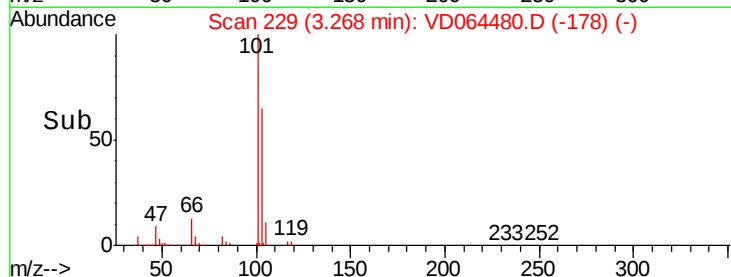
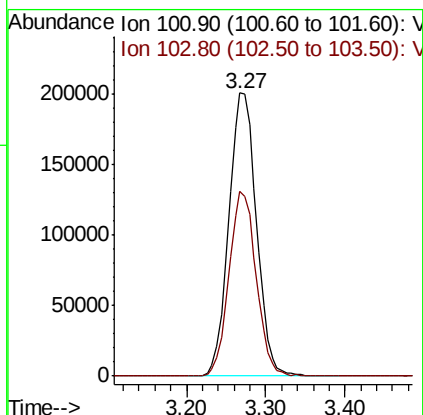
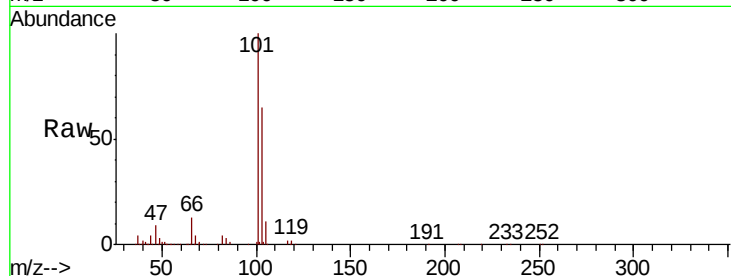


#7

Trichlorofluoromethane
 Concen: 53.972 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :

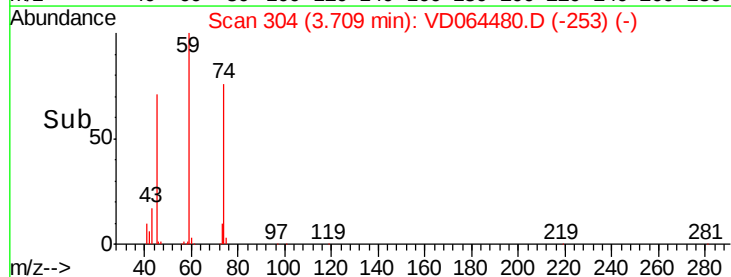
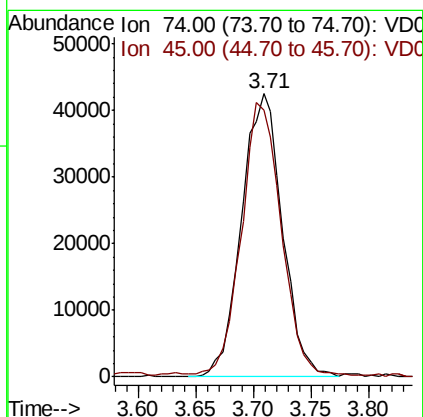
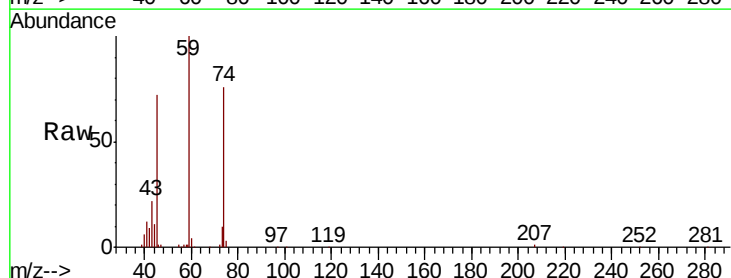
Tot Ion:101 Resp: 483860
 Ion Ratio Lower Upper
 101 100
 103 65.3 49.8 74.6

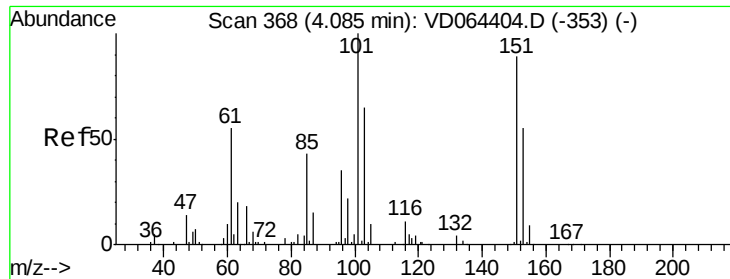


#8

Diethyl Ether
 Concen: 56.248 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Tgt Ion: 74 Resp: 104787
 Ion Ratio Lower Upper
 74 100
 45 93.8 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.980 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

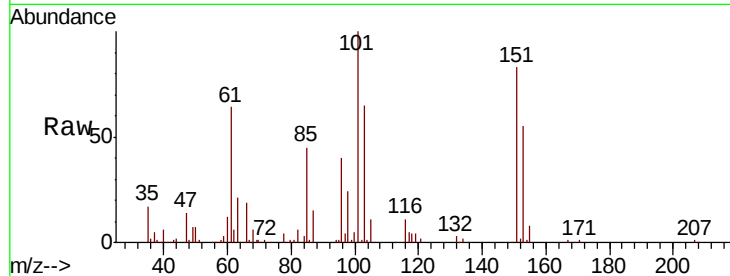
Tot Ion:101 Resp: 199810

Ion Ratio Lower Upper

101 100

85 45.2 34.8 52.2

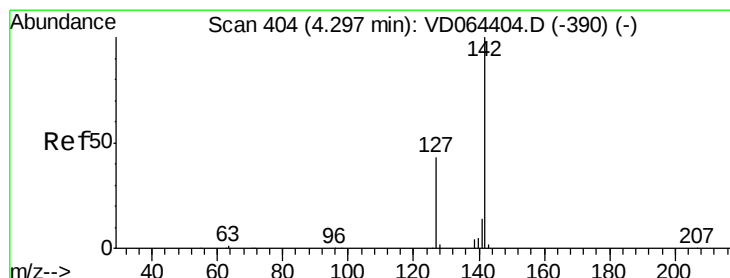
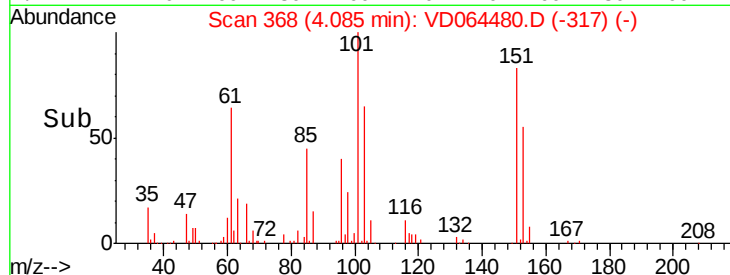
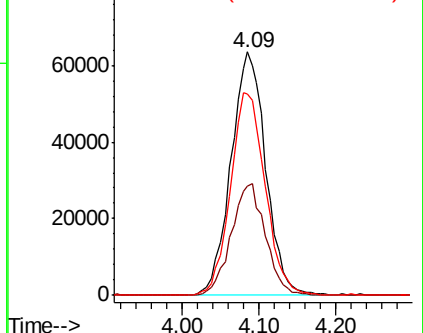
151 83.4 68.8 103.2



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: 58.273 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

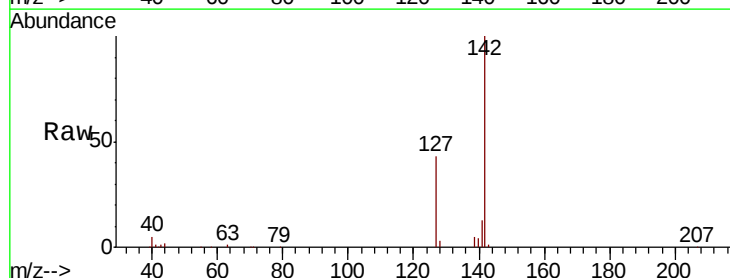
Tgt Ion:142 Resp: 236552

Ion Ratio Lower Upper

142 100

127 44.1 35.3 52.9

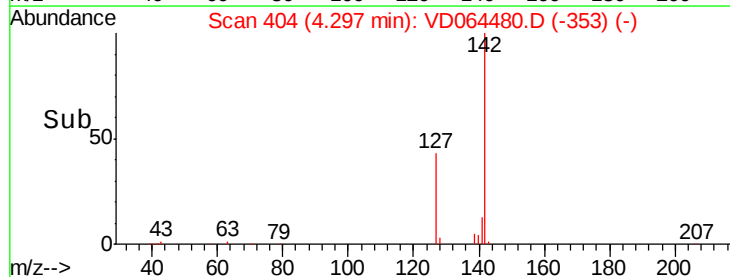
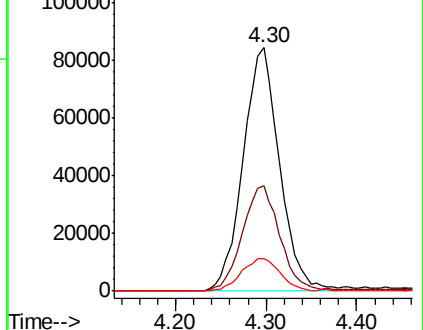
141 14.3 11.6 17.4

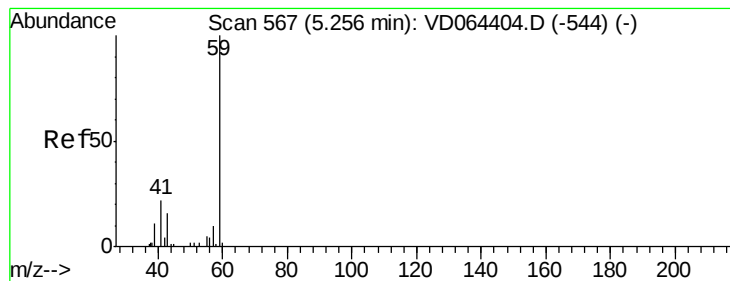


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



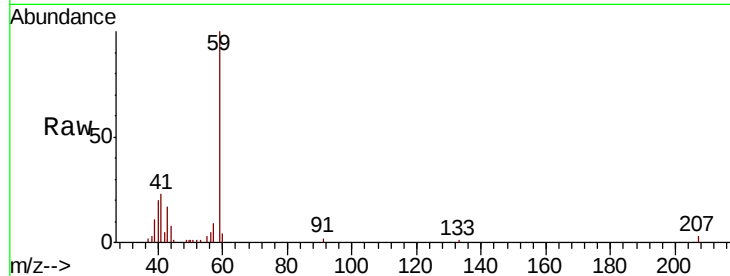


#11

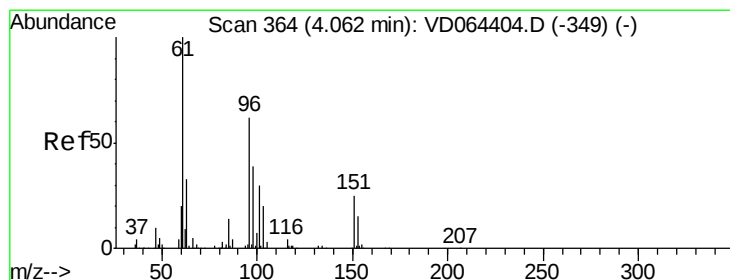
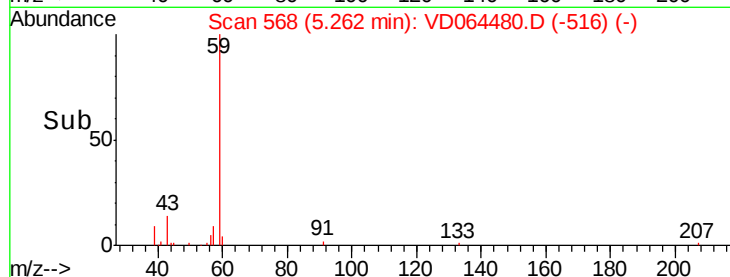
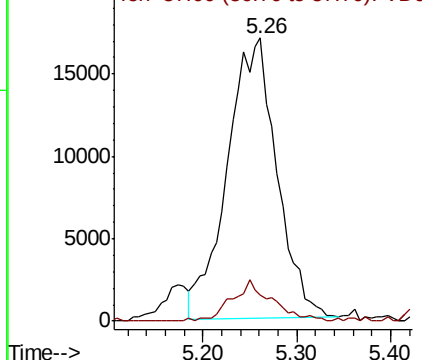
Tert butyl alcohol
Concen: 265.547 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 62530
Ion Ratio Lower Upper
59 100
57 11.8 0.0 0.0#



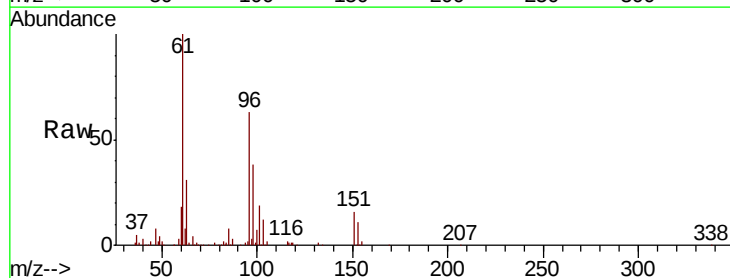
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



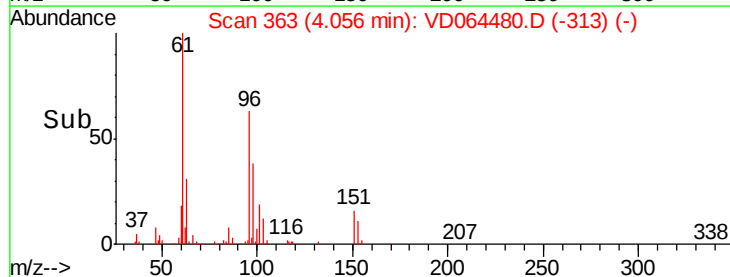
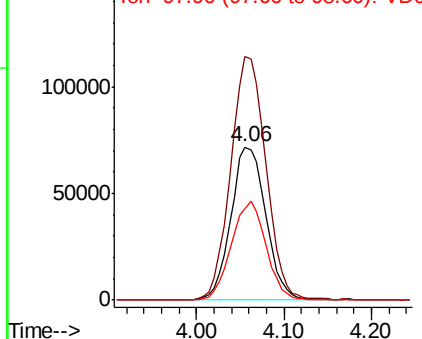
#12

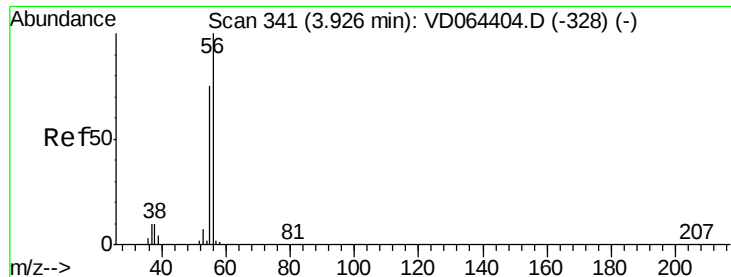
1,1-Dichloroethene
Concen: 52.845 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion: 96 Resp: 194667
Ion Ratio Lower Upper
96 100
61 158.9 128.2 192.4
98 59.8 50.4 75.6



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





#13

Acrolein

Concen: 253.620 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

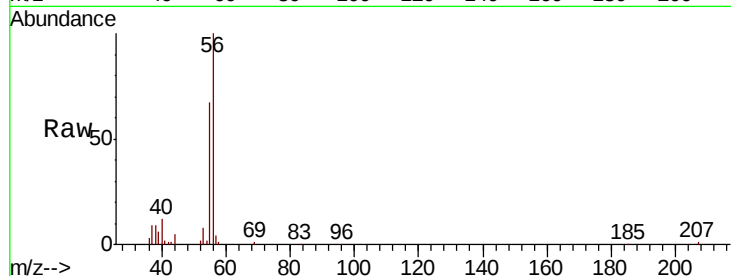
ClientSampleId :

Tot Ion: 56 Resp: 81459

Ion Ratio Lower Upper

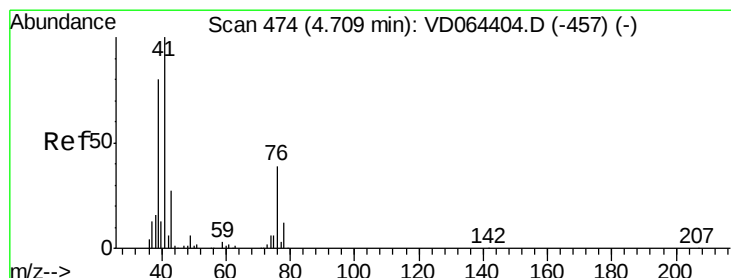
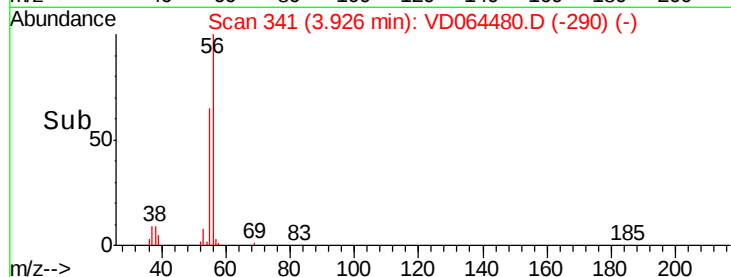
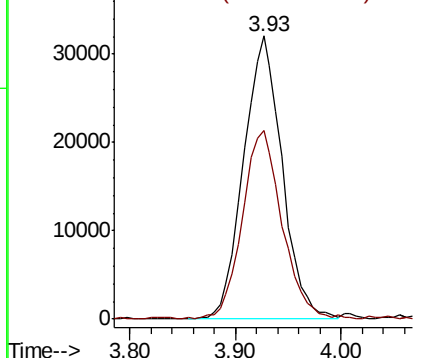
56 100

55 68.7 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 54.613 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

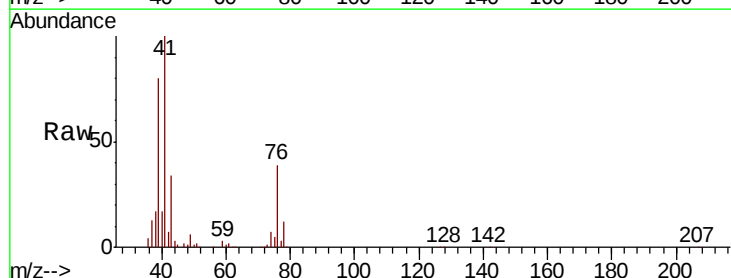
Tgt Ion: 41 Resp: 313965

Ion Ratio Lower Upper

41 100

39 77.0 62.1 93.1

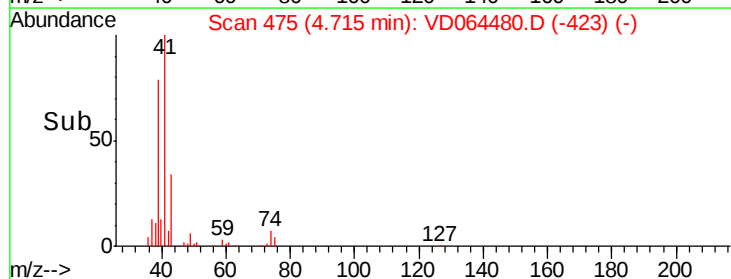
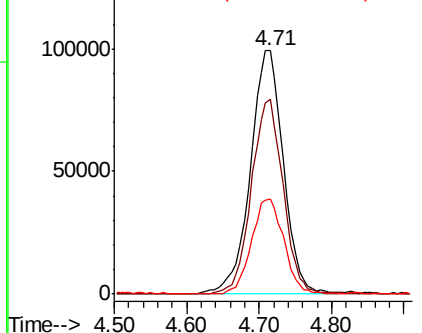
76 38.4 29.8 44.8

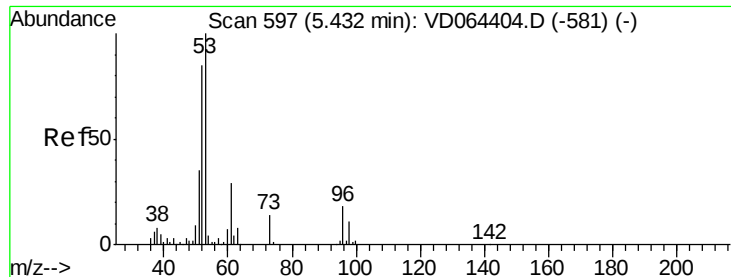


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 278.110 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampled :

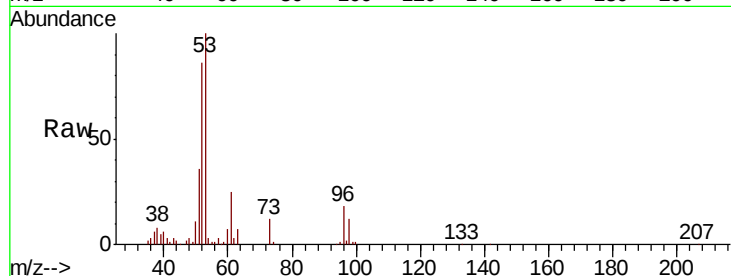
Tot Ion: 53 Resp: 226563

Ion Ratio Lower Upper

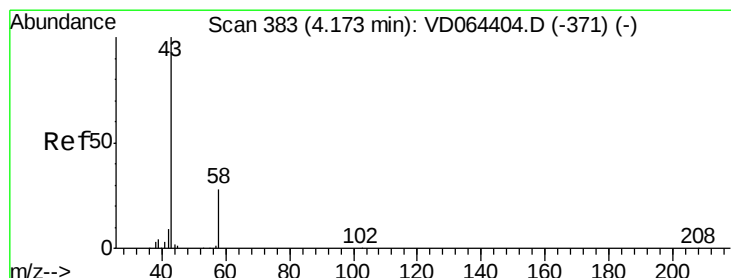
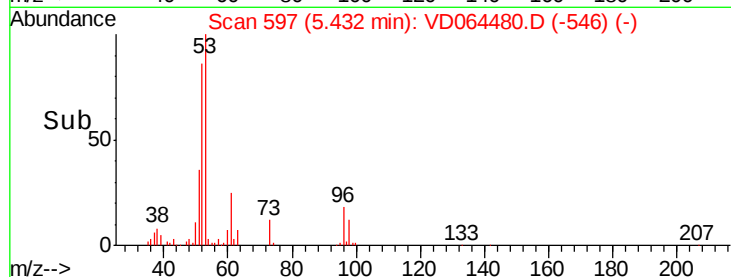
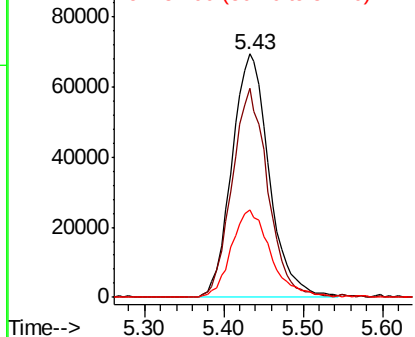
53 100

52 82.4 67.9 101.9

51 38.0 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: 261.206 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064480.D

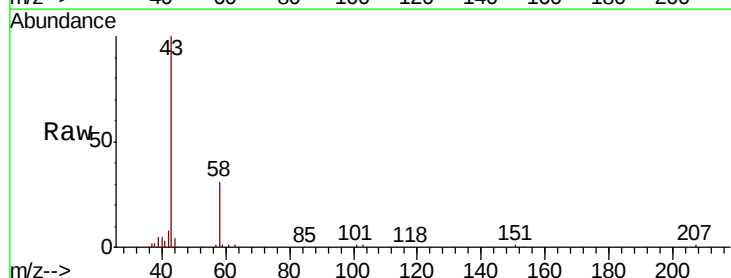
Acq: 09 Dec 2019 19:42

Tgt Ion: 43 Resp: 195263

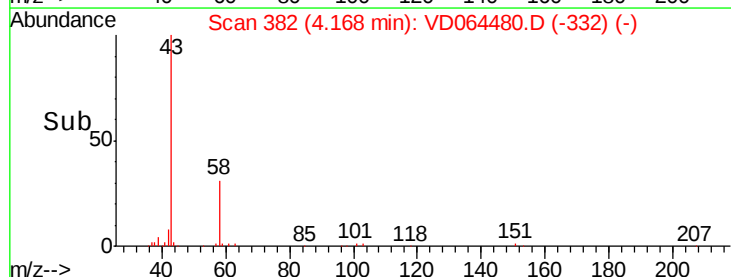
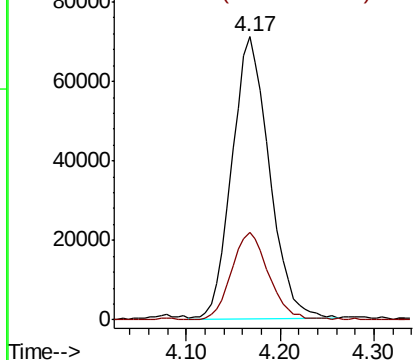
Ion Ratio Lower Upper

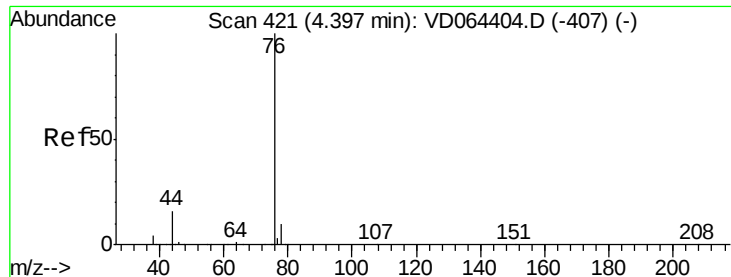
43 100

58 31.3 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: 52.597 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

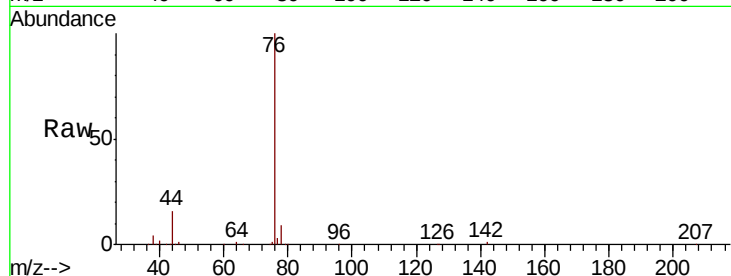
ClientSampled :

Tot Ion: 76 Resp: 613647

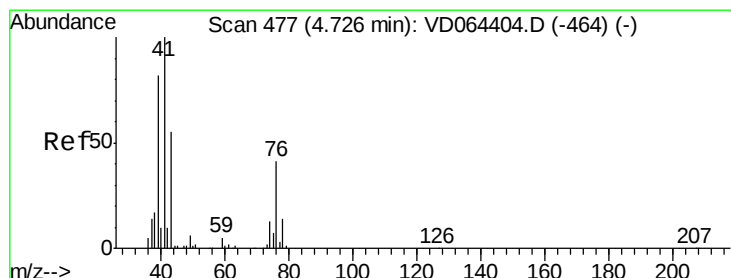
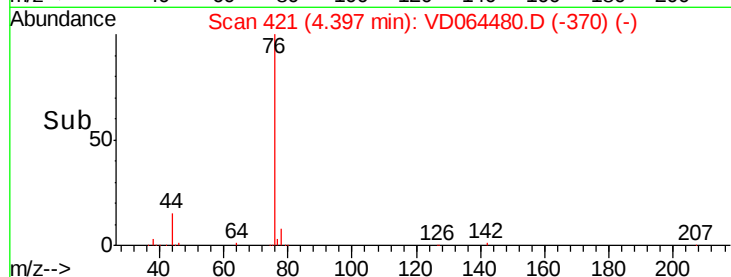
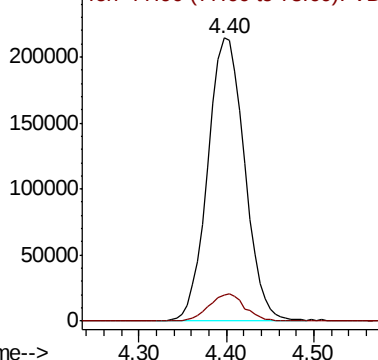
Ion Ratio Lower Upper

76 100

78 9.2 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 55.648 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064480.D

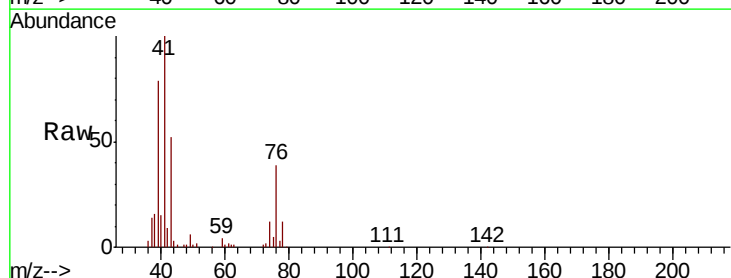
Acq: 09 Dec 2019 19:42

Tgt Ion: 43 Resp: 121341

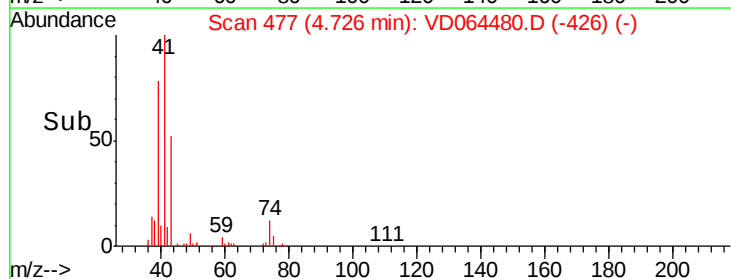
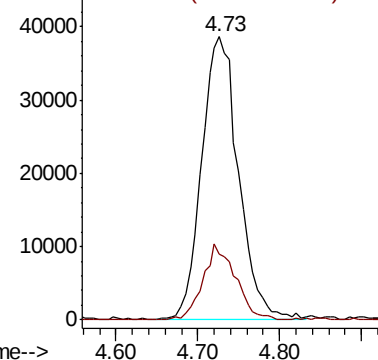
Ion Ratio Lower Upper

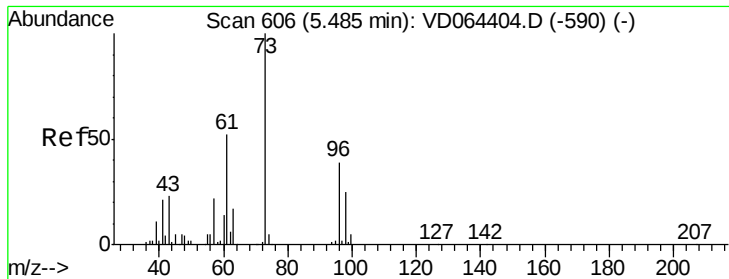
43 100

74 23.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC



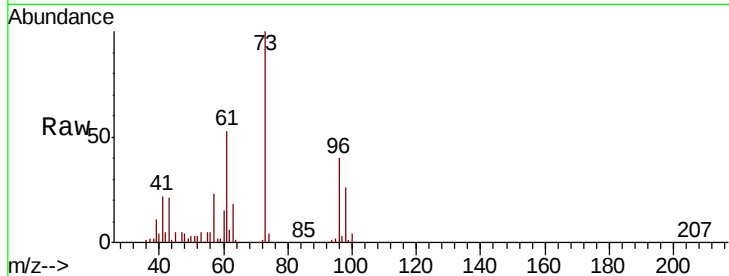


#19

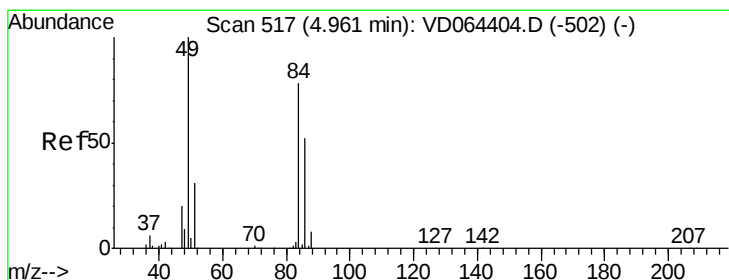
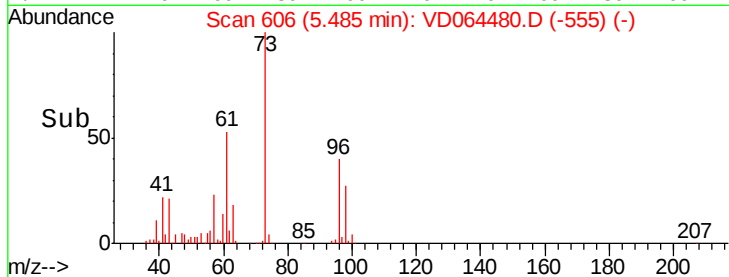
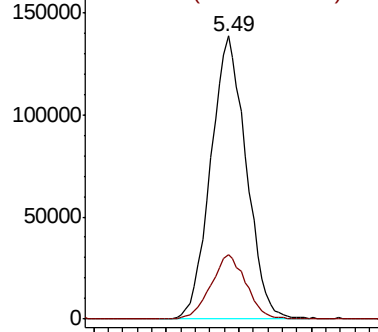
Methyl tert-butyl Ether
 Concen: 55.802 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 73 Resp: 471526
 Ion Ratio Lower Upper
 73 100
 57 22.6 17.6 26.4



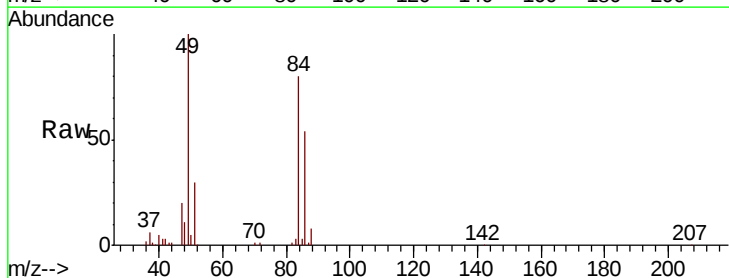
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



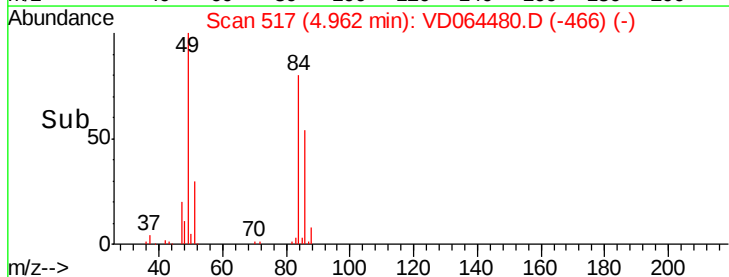
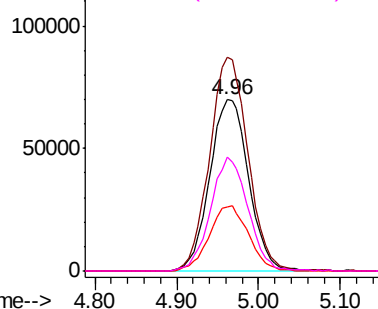
#20

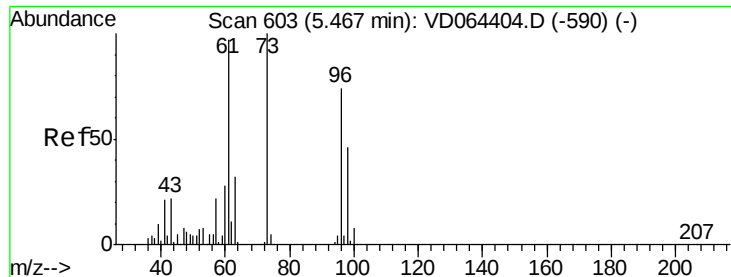
Methylene Chloride
 Concen: 61.971 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Tgt Ion: 84 Resp: 231339
 Ion Ratio Lower Upper
 84 100
 49 124.7 102.6 153.8
 51 37.7 32.0 48.0
 86 66.7 53.4 80.0



Abundance Ion 83.90 (83.60 to 84.60): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 55.123 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

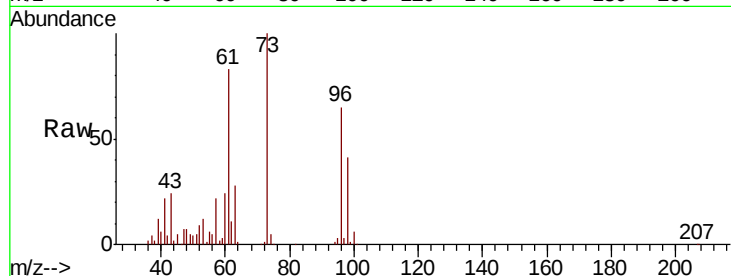
Tot Ion: 96 Resp: 229691

Ion Ratio Lower Upper

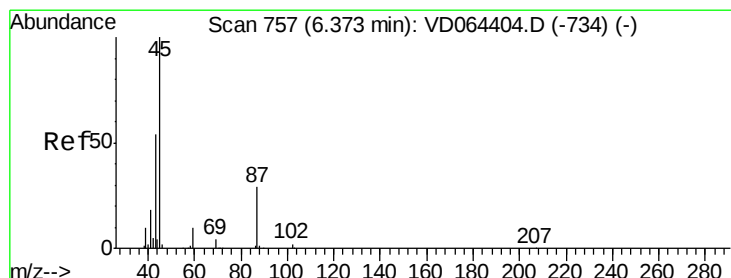
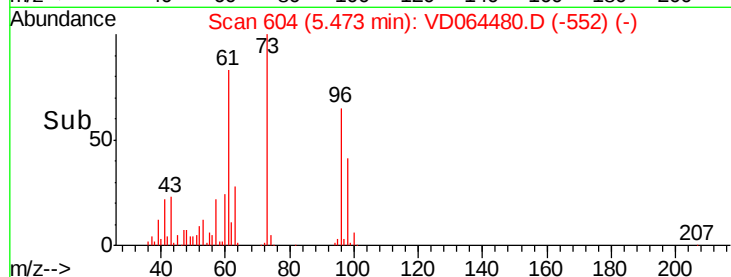
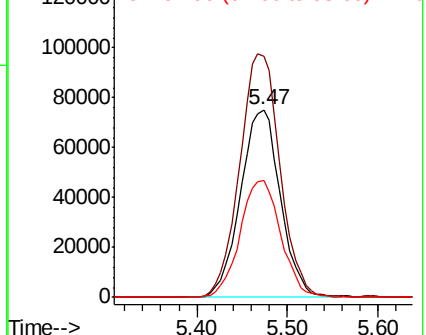
96 100

61 128.2 105.8 158.6

98 62.5 50.1 75.1



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



#22

Diisopropyl ether

Concen: 56.625 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Tgt Ion: 45 Resp: 642645

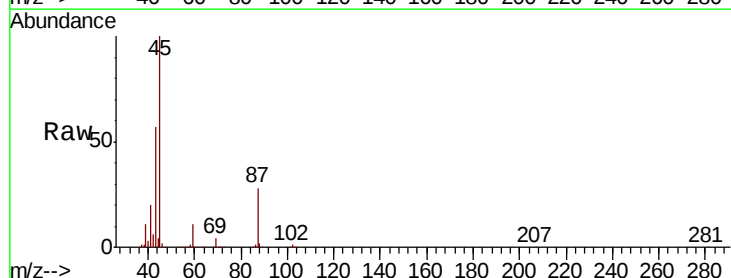
Ion Ratio Lower Upper

45 100

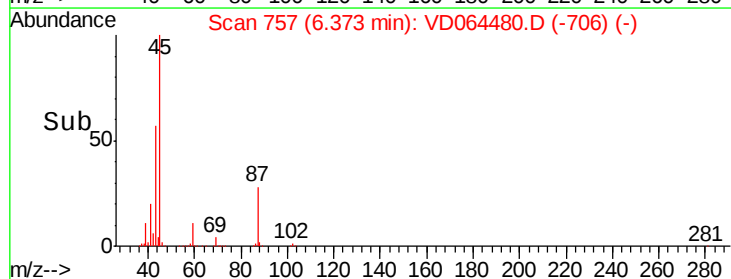
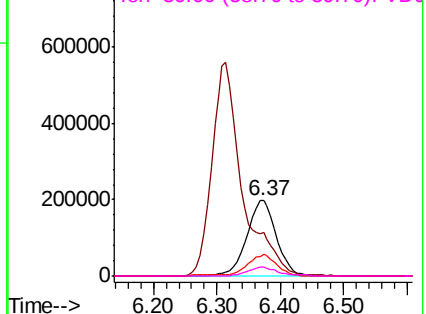
43 56.2 43.1 64.7

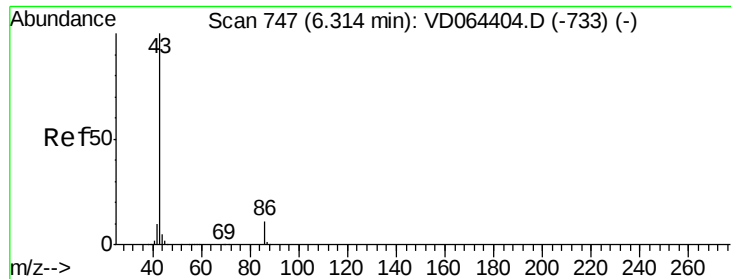
87 27.9 23.5 35.3

59 11.1 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

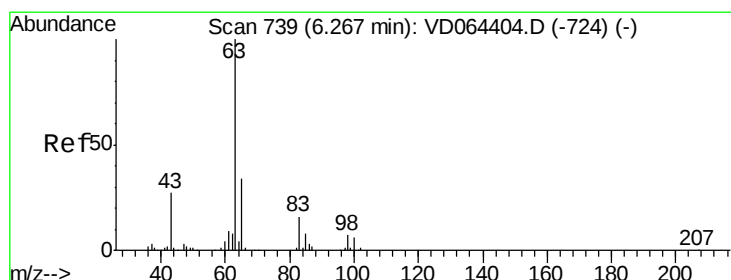
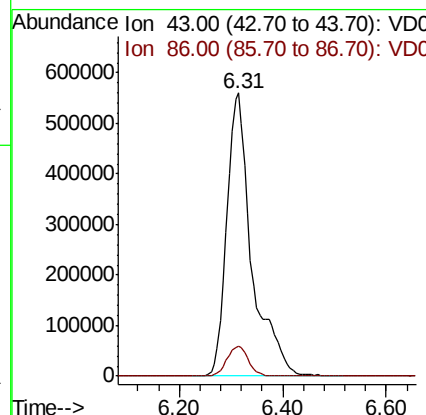
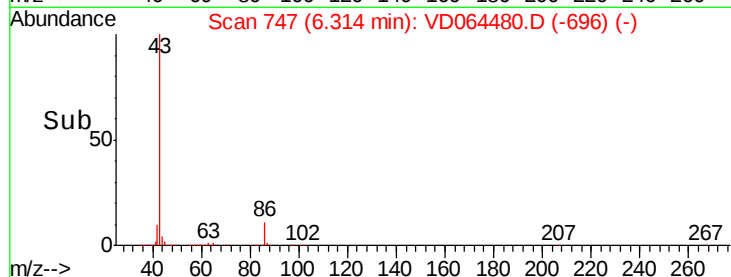
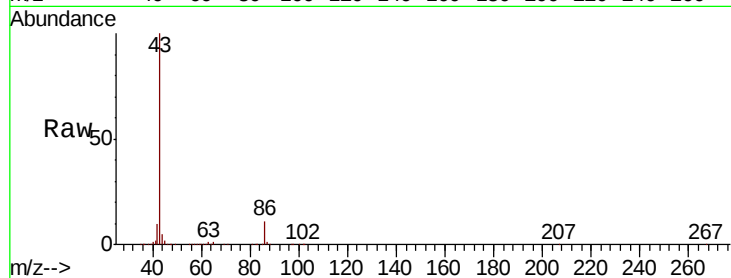




#23
 Vinyl Acetate
 Concen: 281.385 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

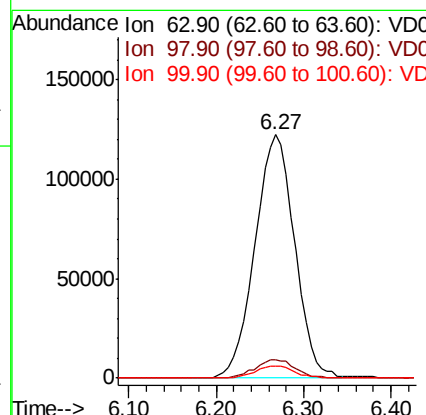
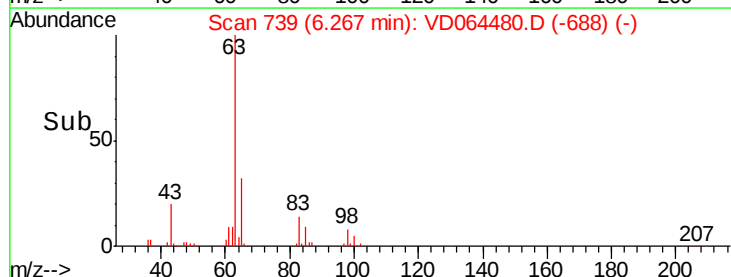
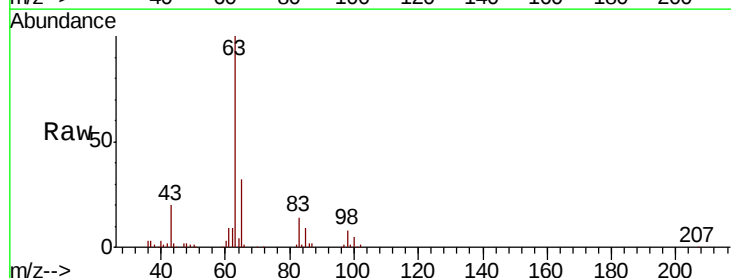
Instrument :
 MSVOA_D
 ClientSampleId :

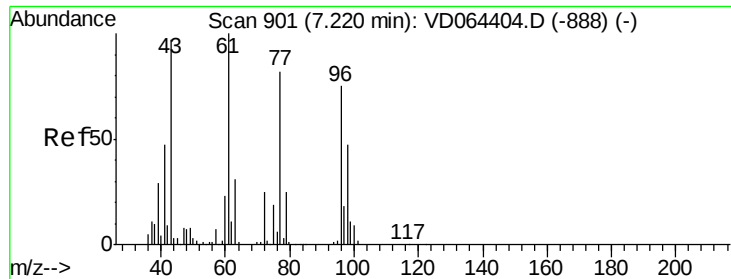
Tot Ion: 43 Resp: 1882663
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 55.722 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Tgt Ion: 63 Resp: 380314
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.6 10.9
 100 5.0 2.9 8.6





#25

2-Butanone

Concen: 267.951 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

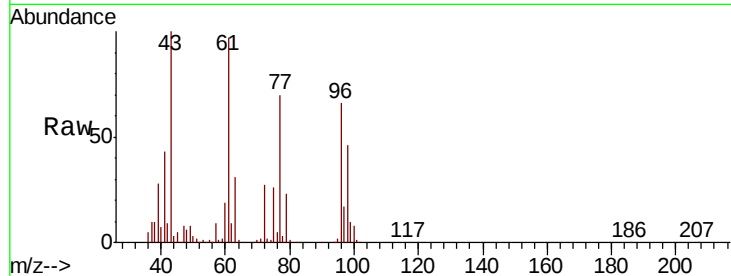
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 283273

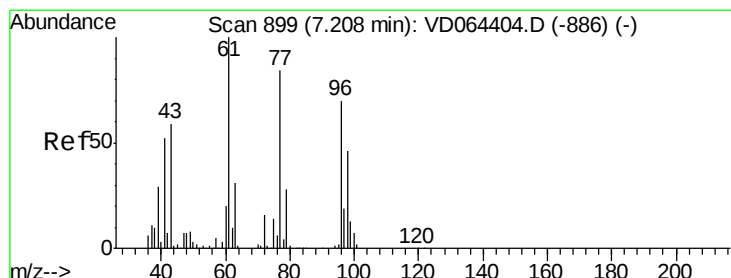
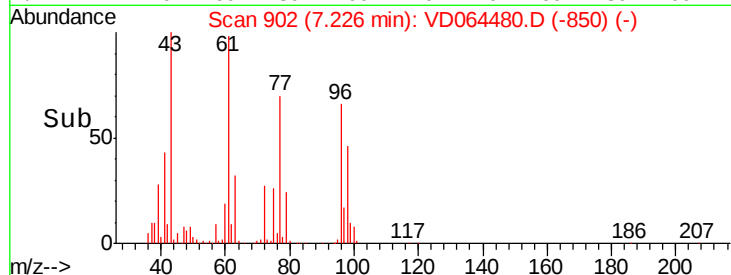
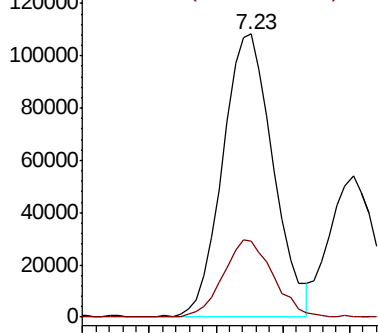
Ion Ratio Lower Upper

43 100

72 26.8 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.325 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064480.D

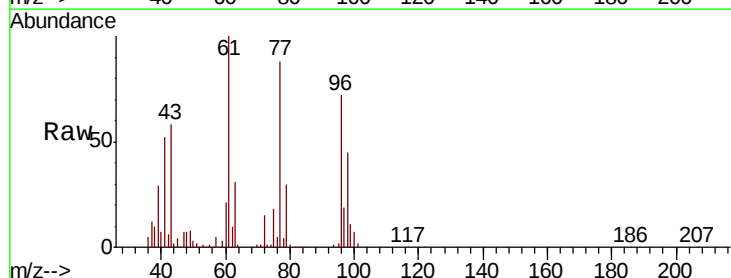
Acq: 09 Dec 2019 19:42

Tgt Ion: 77 Resp: 322450

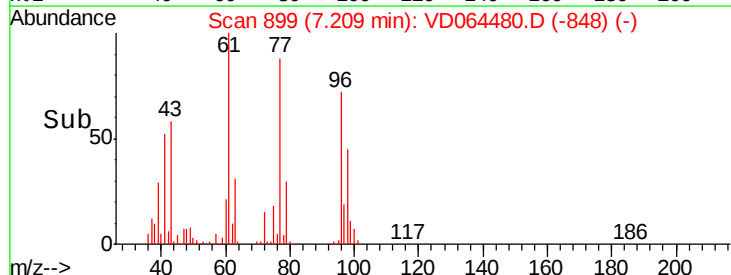
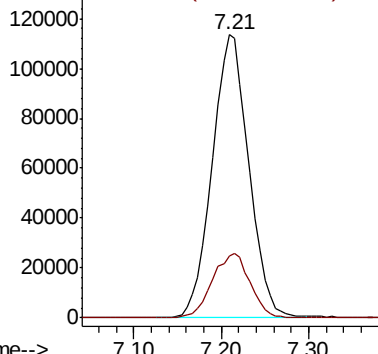
Ion Ratio Lower Upper

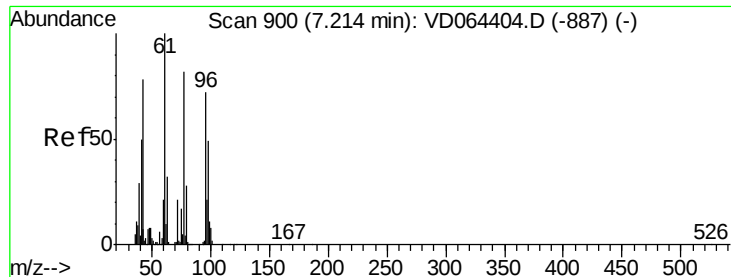
77 100

97 23.5 11.6 34.7



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



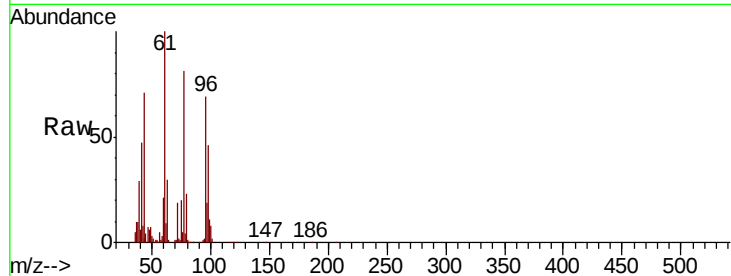


#27

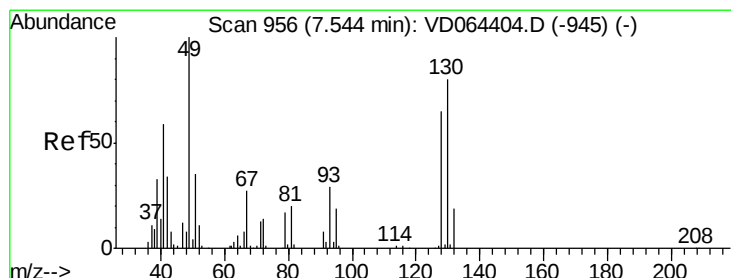
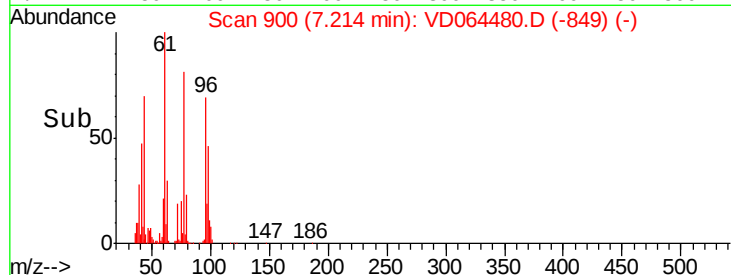
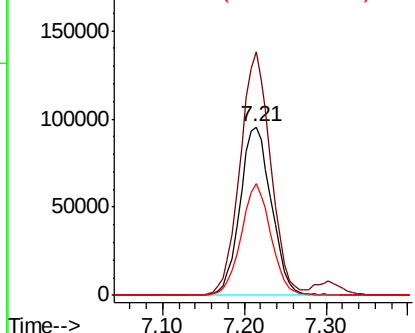
cis-1,2-Dichloroethene
 Concen: 55.999 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.1	0.0	279.6
98	63.2	0.0	129.2



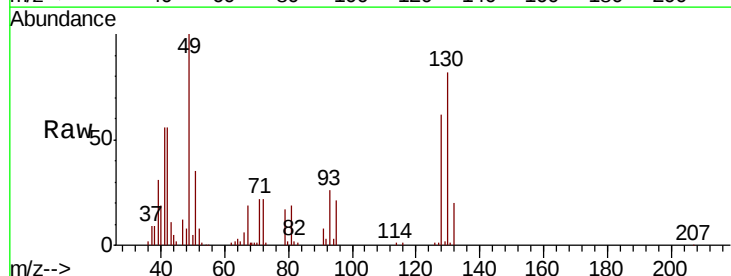
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



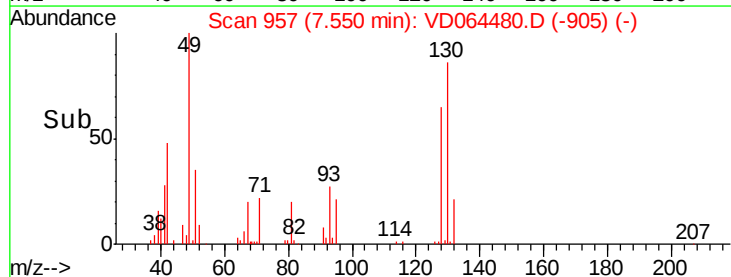
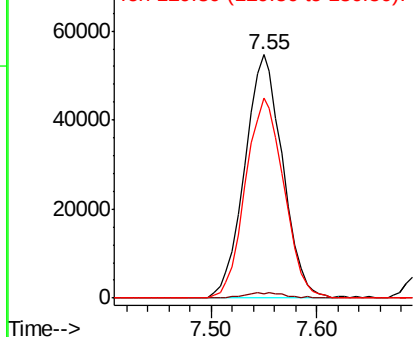
#28

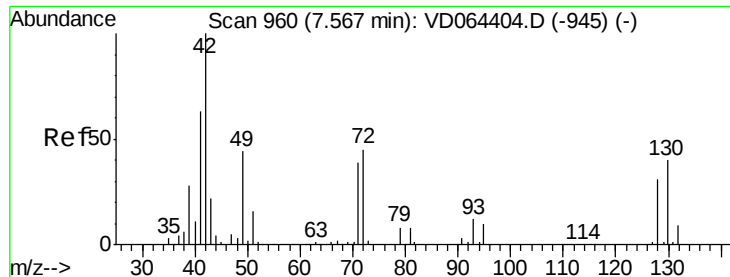
Bromochloromethane
 Concen: 58.409 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	83.5	67.4	101.0



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

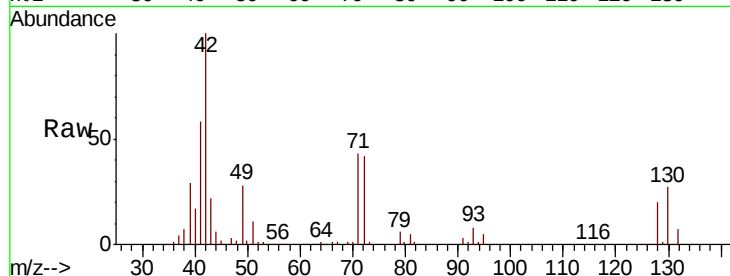




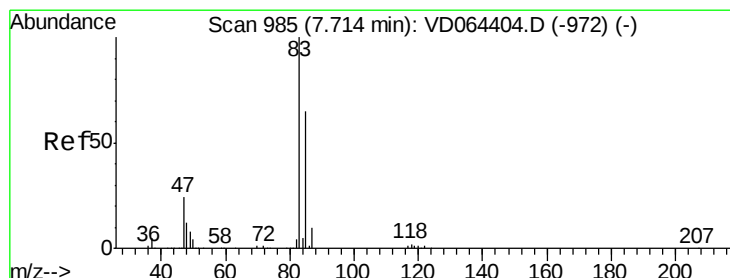
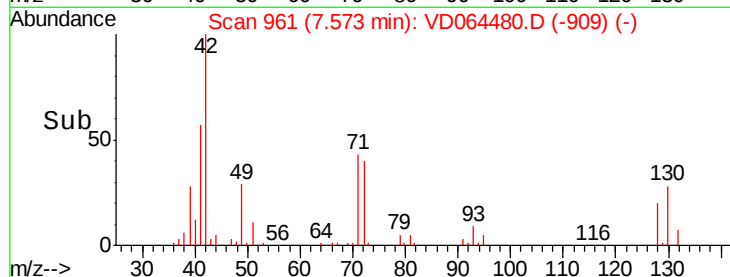
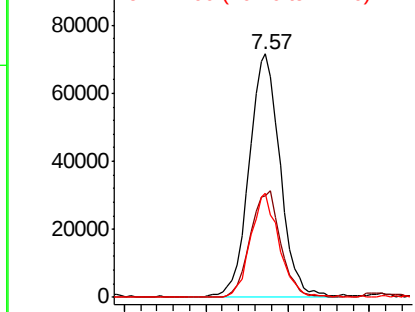
#29
Tetrahydrofuran
Concen: 281.183 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 189125
Ion Ratio Lower Upper
42 100
72 42.8 35.8 53.8
71 39.6 32.7 49.1

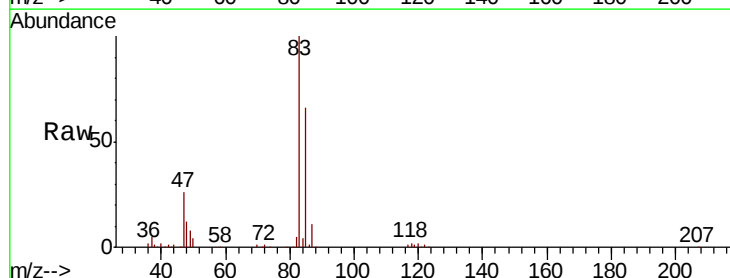


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

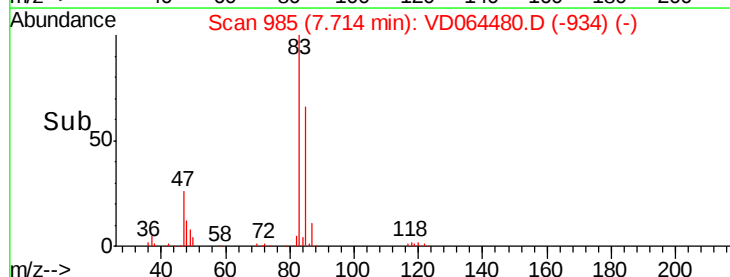
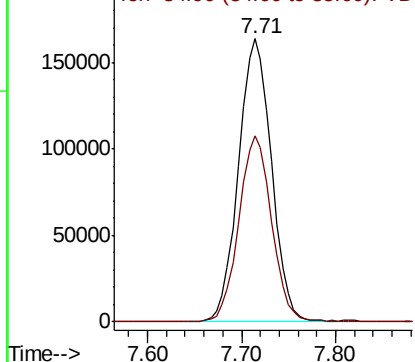


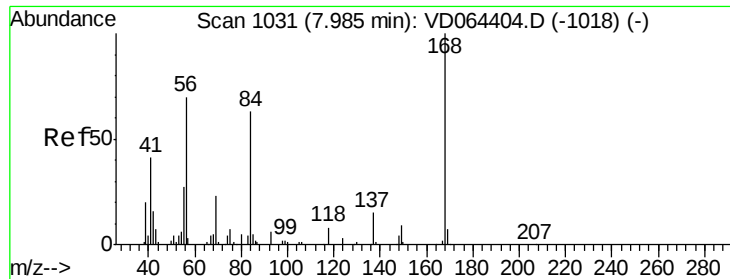
#30
Chloroform
Concen: 56.398 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion: 83 Resp: 398656
Ion Ratio Lower Upper
83 100
85 65.9 51.8 77.6



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

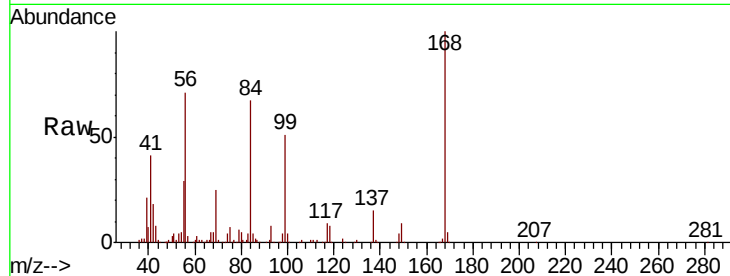




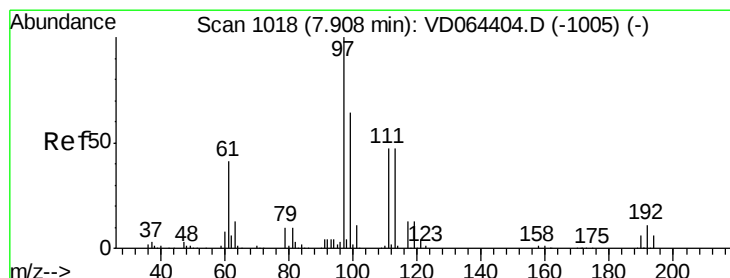
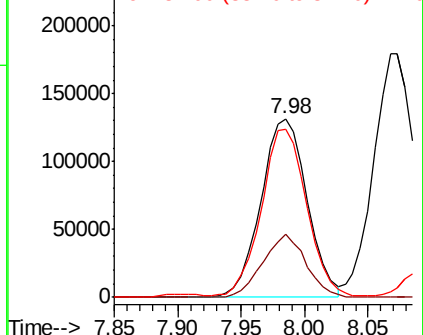
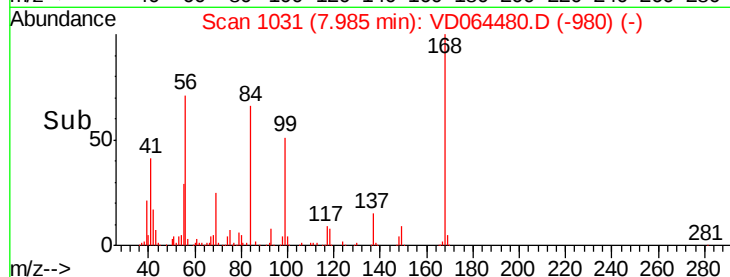
#31
Cyclohexane
Concen: 56.508 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 333165
Ion Ratio Lower Upper
56 100
69 35.6 26.2 39.4
84 93.2 70.3 105.5

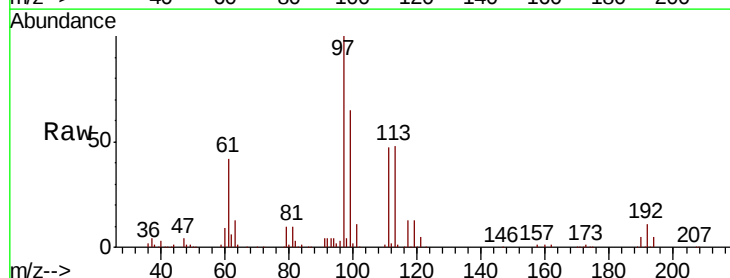


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

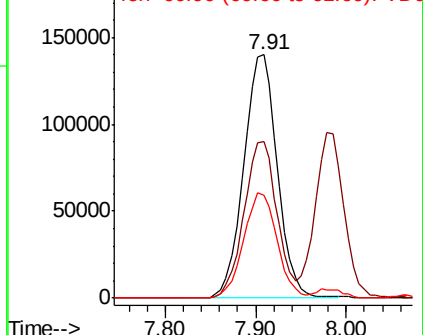
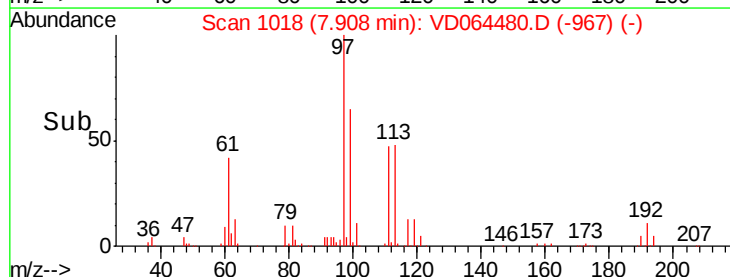


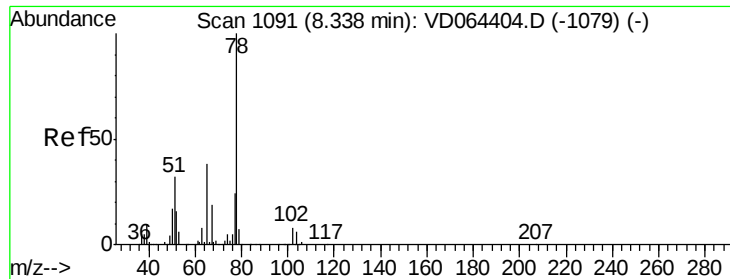
#32
1,1,1-Trichloroethane
Concen: 54.717 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion: 97 Resp: 358577
Ion Ratio Lower Upper
97 100
99 63.5 51.4 77.2
61 43.4 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

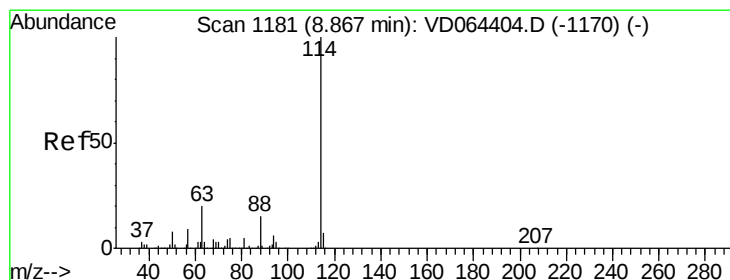
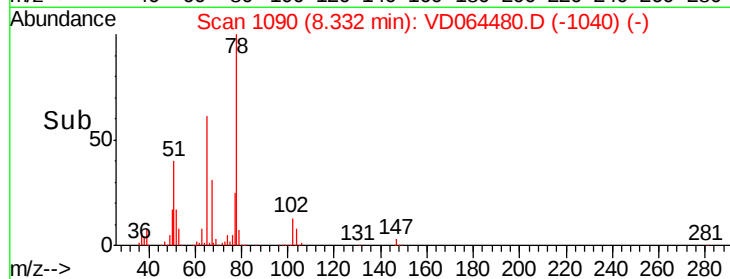
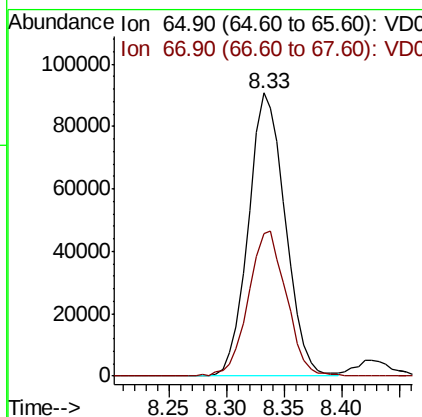
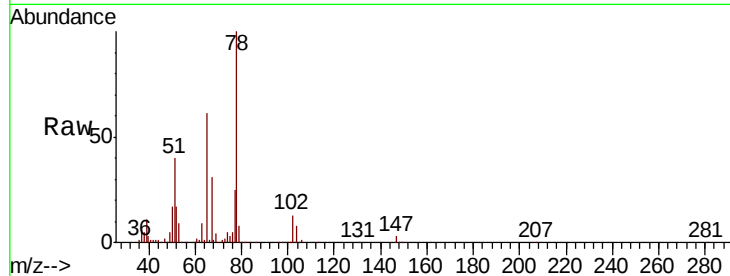




#33
 1,2-Dichloroethane-d4
 Concen: 54.618 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

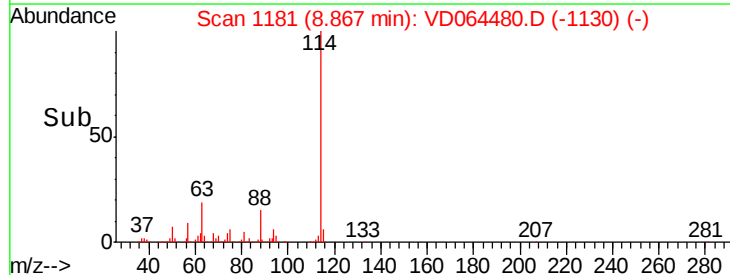
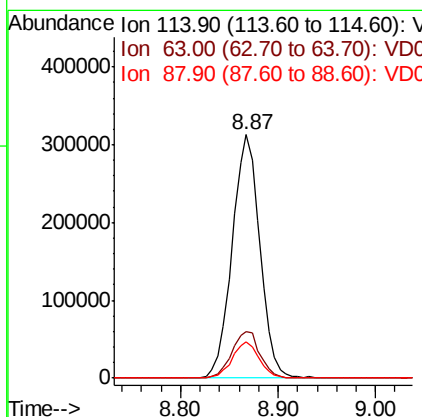
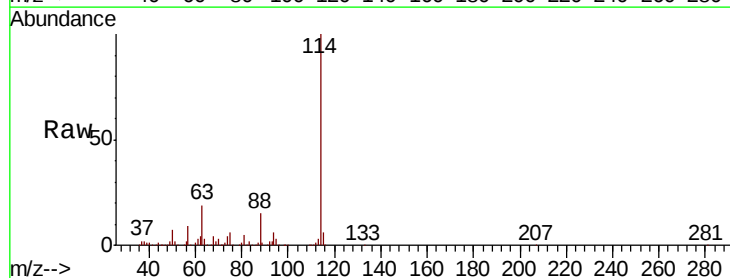
Instrument :
 MSVOA_D
 ClientSampled :

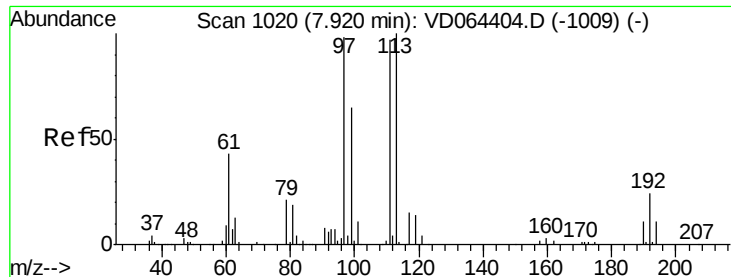
Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	40.0
88	14.8	0.0	29.2

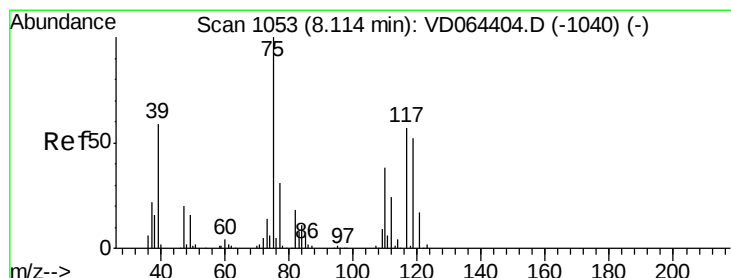
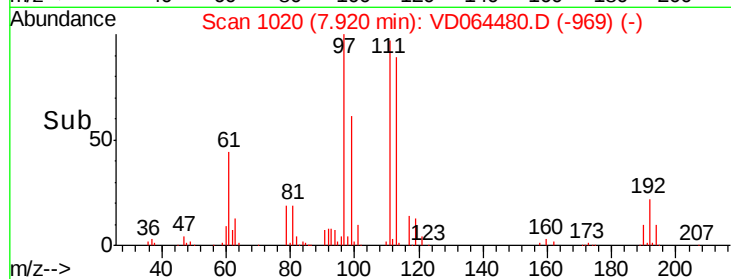
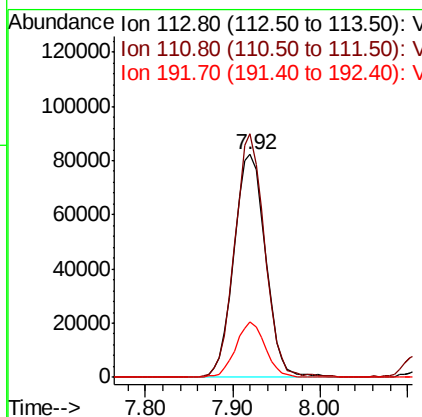
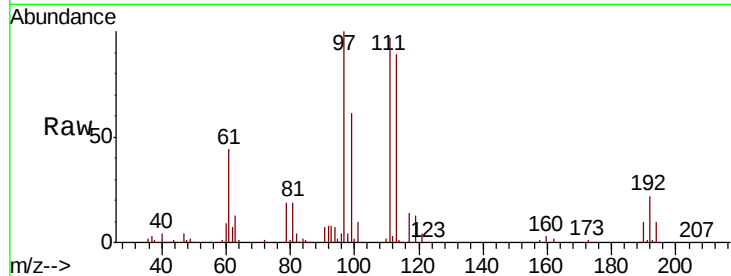




#35
 Dibromofluoromethane
 Concen: 51.869 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

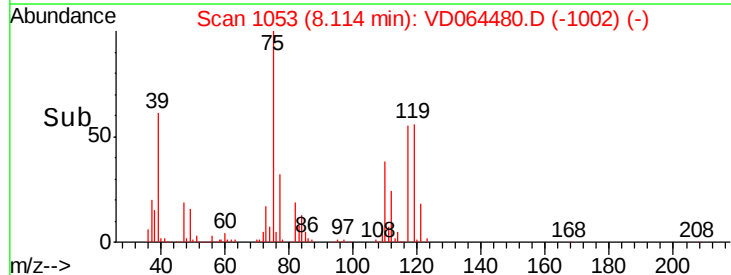
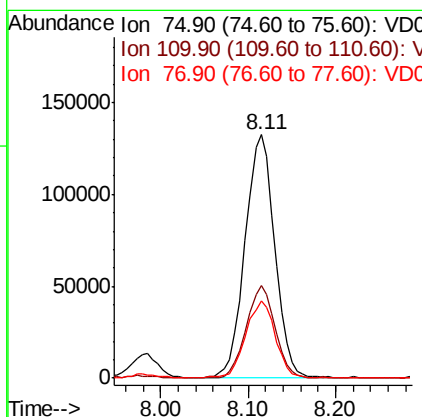
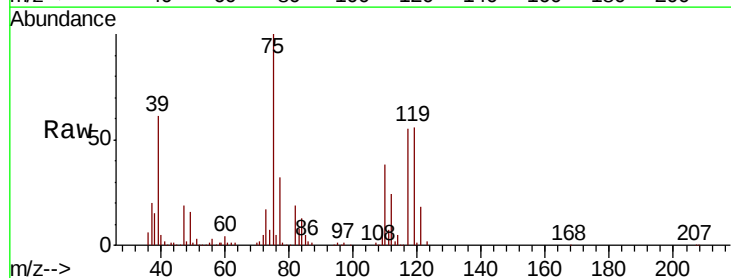
Instrument :
 MSVOA_D
 ClientSampleId :

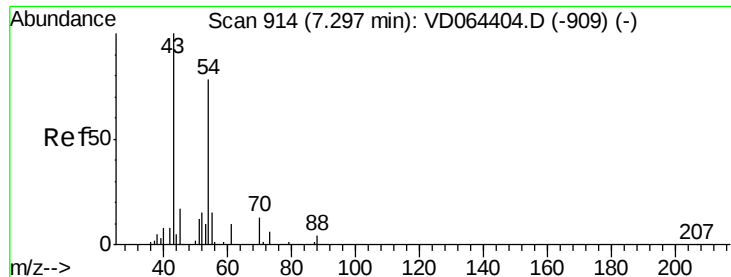
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	79.4	119.2
192	23.1	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 51.855 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.6	55.8
77	31.9	25.0	37.4

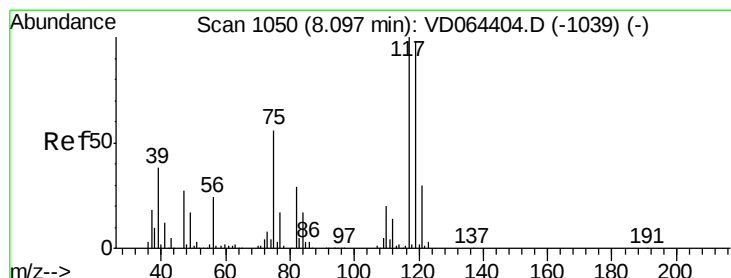
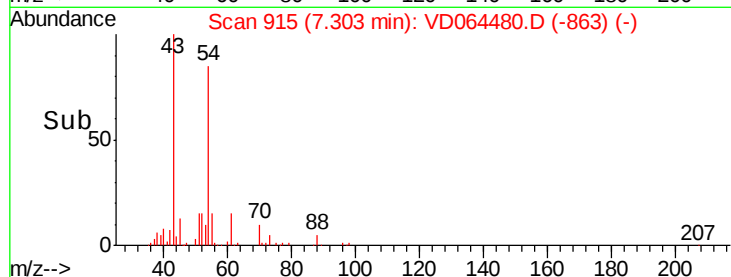
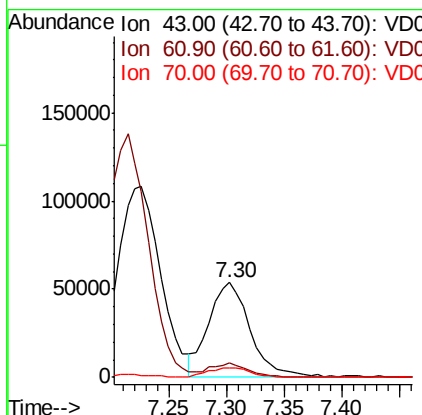
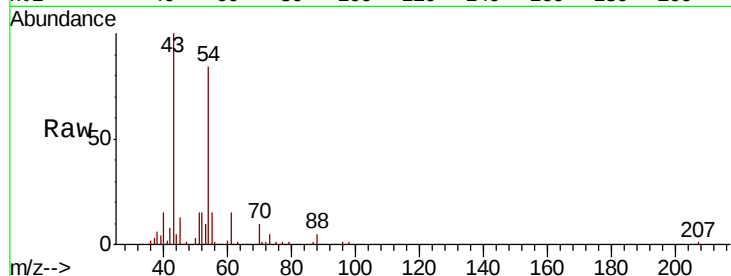




#37
Ethyl Acetate
Concen: 53.045 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

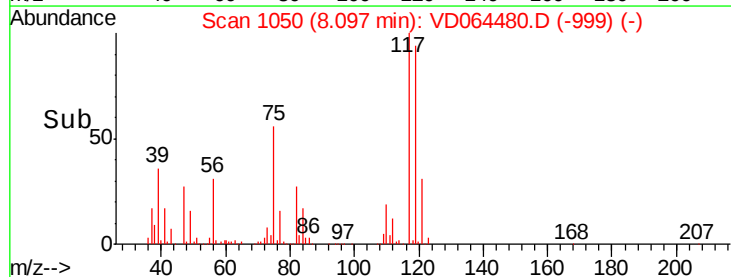
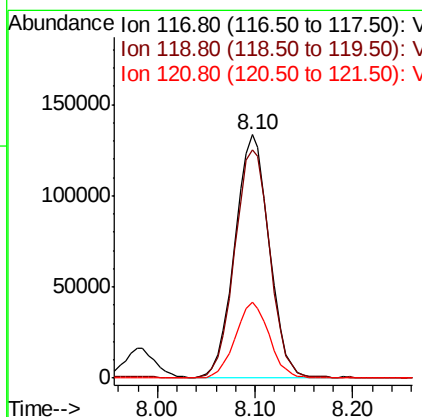
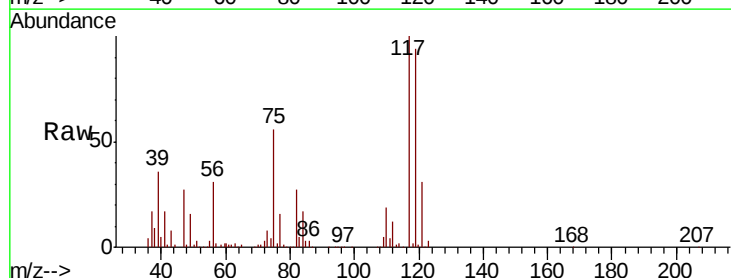
Instrument :
MSVOA_D
ClientSampleId :

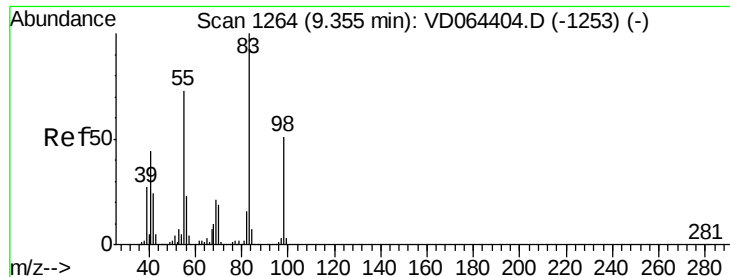
Tot Ion: 43 Resp: 131481
Ion Ratio Lower Upper
43 100
61 13.0 10.9 16.3
70 10.7 8.3 12.5



#38
Carbon Tetrachloride
Concen: 52.883 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion: 117 Resp: 326039
Ion Ratio Lower Upper
117 100
119 93.9 78.8 118.2
121 31.4 24.2 36.2

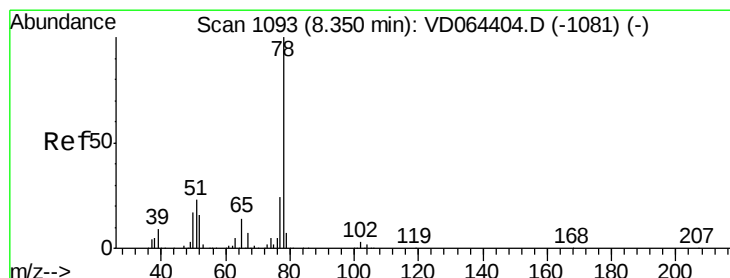
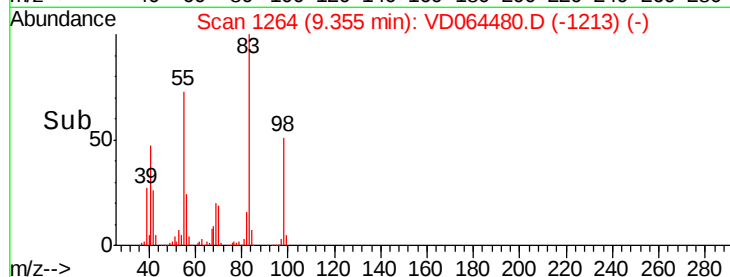
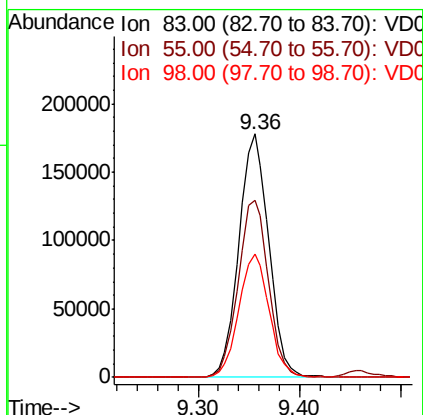
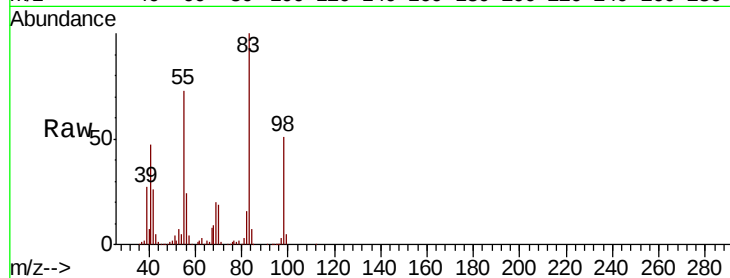




#39
Methvlcvclohexane
Concen: 50.300 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

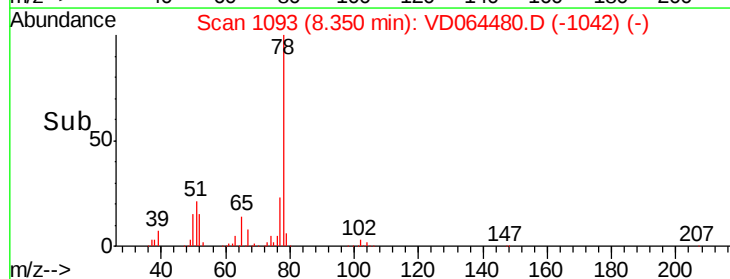
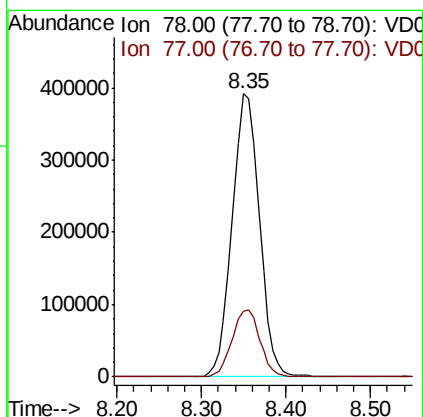
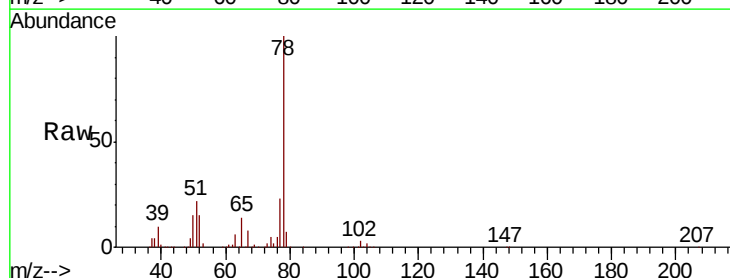
Instrument :
MSVOA_D
ClientSampleId :

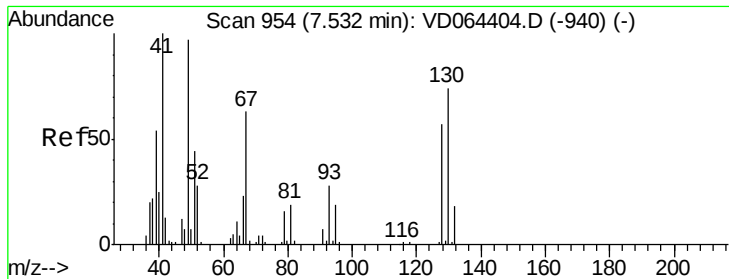
Tot Ion: 83 Resp: 364485
Ion Ratio Lower Upper
83 100
55 72.7 58.6 87.8
98 50.9 40.9 61.3



#40
Benzene
Concen: 53.838 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion: 78 Resp: 873497
Ion Ratio Lower Upper
78 100
77 23.5 19.6 29.4





#41

Methacrylonitrile

Concen: 50.975 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 72460

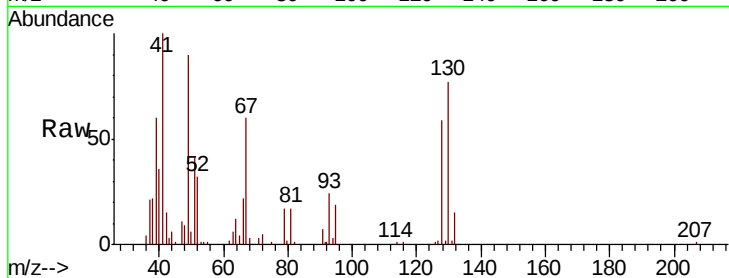
Ion Ratio Lower Upper

41 100

39 67.1 44.6 67.0#

67 77.0 50.9 76.3#

52 34.9 22.5 33.7#

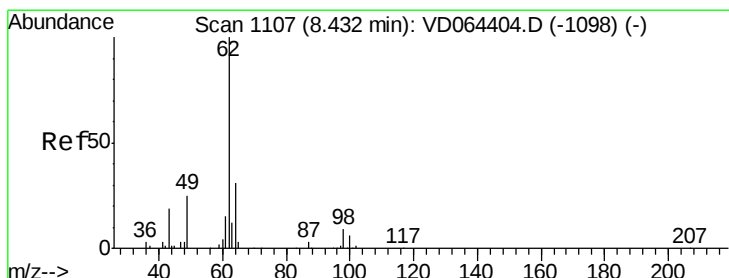
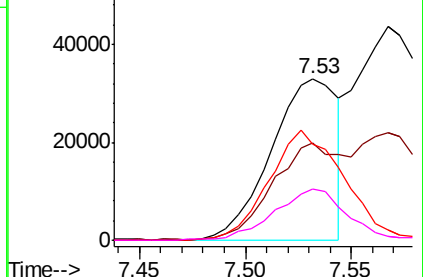
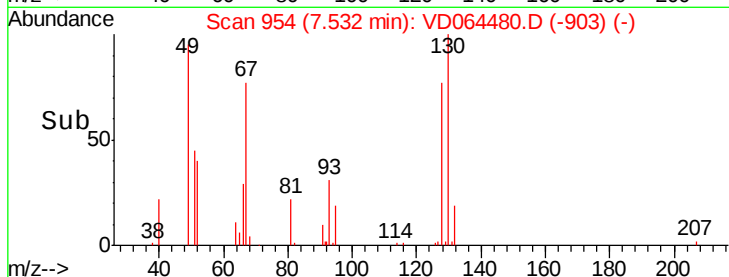


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 53.678 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064480.D

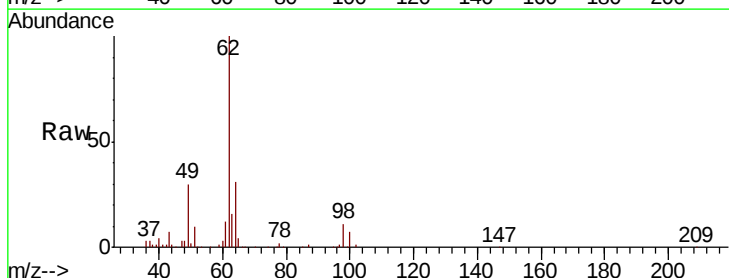
Acq: 09 Dec 2019 19:42

Tgt Ion: 62 Resp: 253978

Ion Ratio Lower Upper

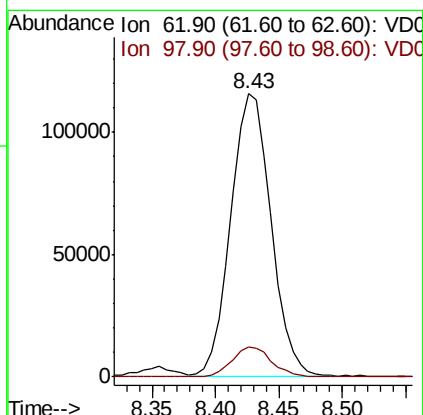
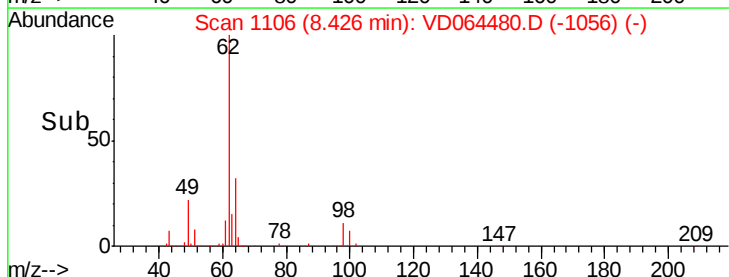
62 100

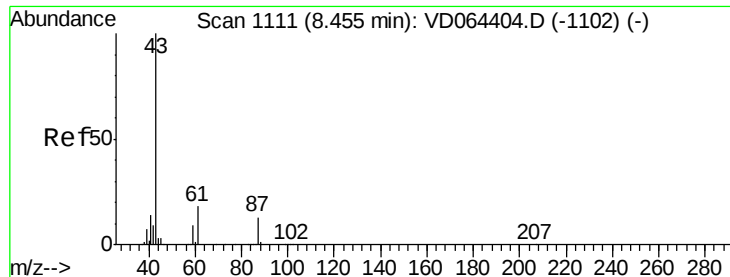
98 10.4 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 52.926 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

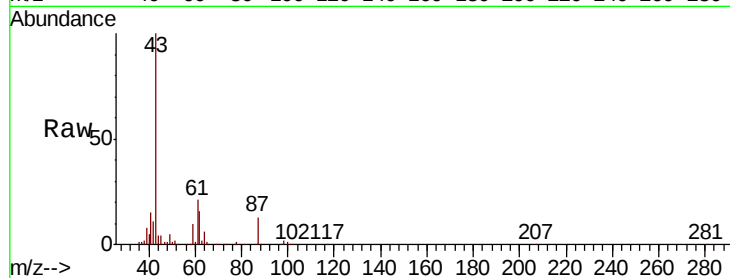
Tot Ion: 43 Resp: 257939

Ion Ratio Lower Upper

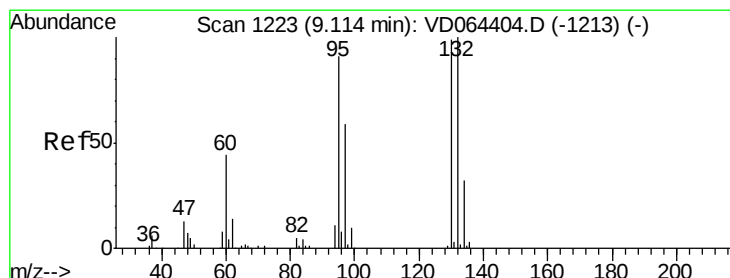
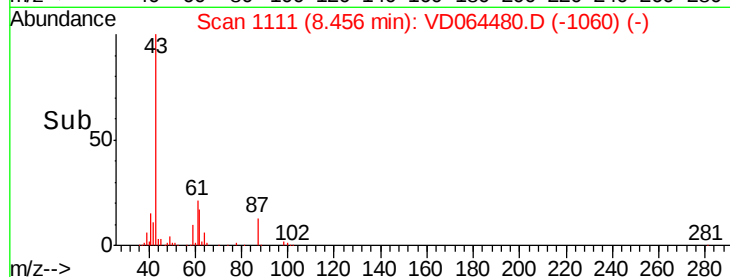
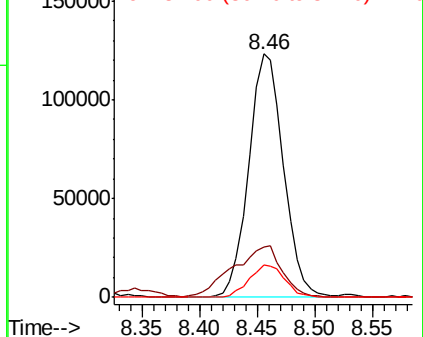
43 100

61 30.1 24.0 36.0

87 13.8 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: 51.961 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064480.D

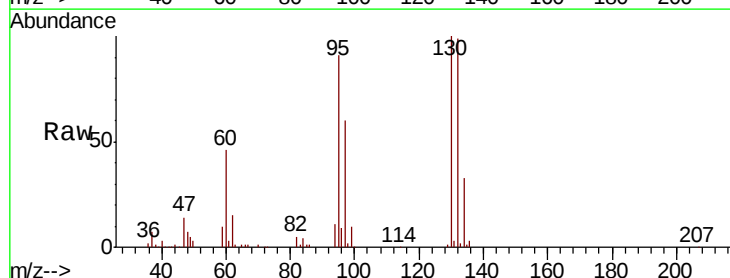
Acq: 09 Dec 2019 19:42

Tgt Ion:130 Resp: 253945

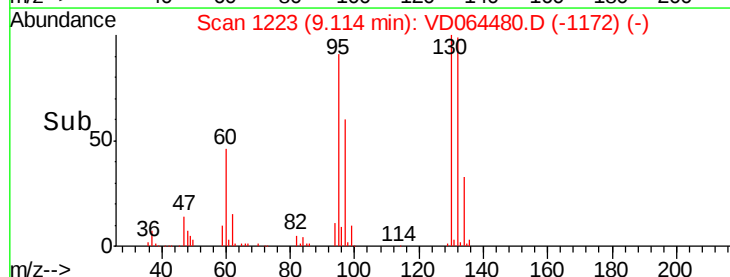
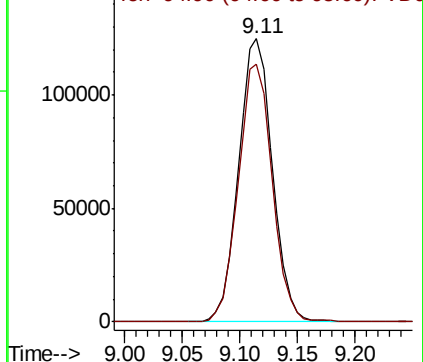
Ion Ratio Lower Upper

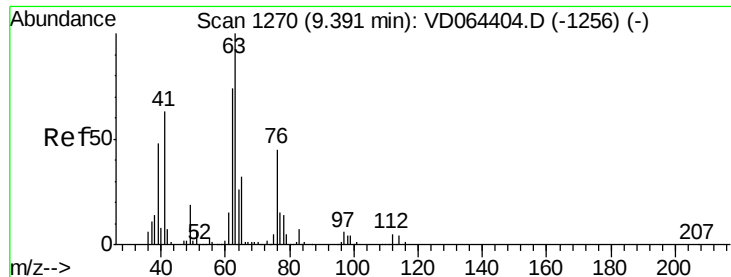
130 100

95 91.0 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: 55.424 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

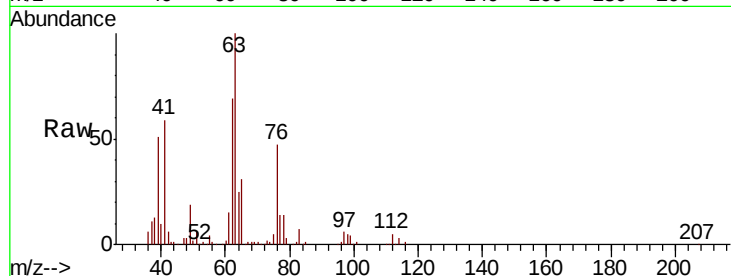
ClientSampleId :

Tot Ion: 63 Resp: 215058

Ion Ratio Lower Upper

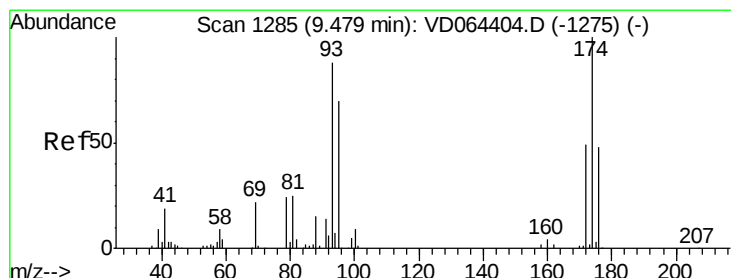
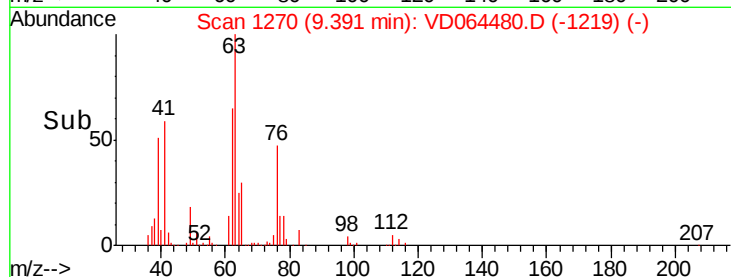
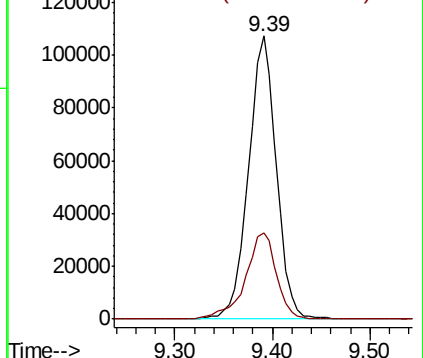
63 100

65 30.4 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: 54.663 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

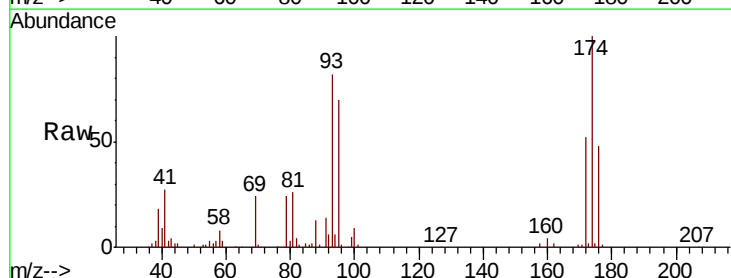
Tgt Ion: 93 Resp: 119712

Ion Ratio Lower Upper

93 100

95 84.6 66.7 100.1

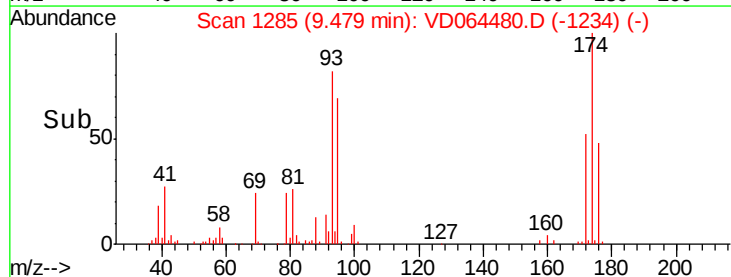
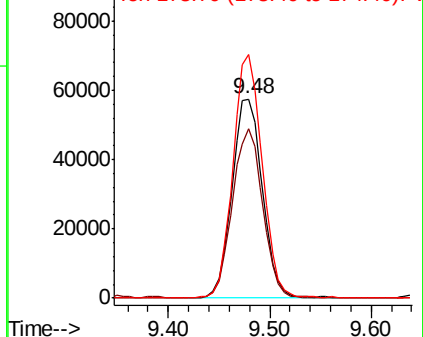
174 117.5 92.3 138.5

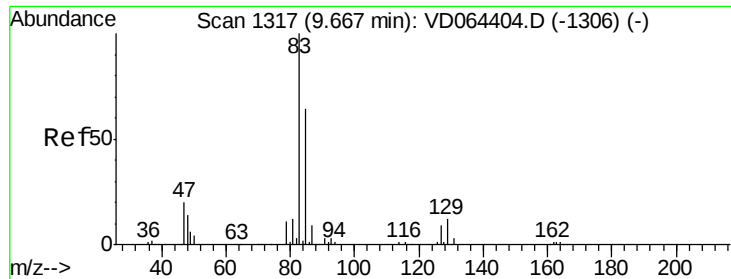


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 55.157 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

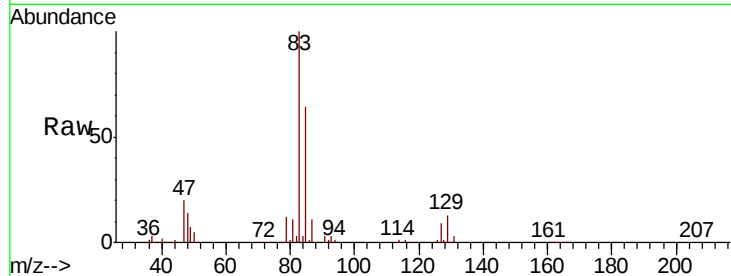
Tot Ion: 83 Resp: 310377

Ion Ratio Lower Upper

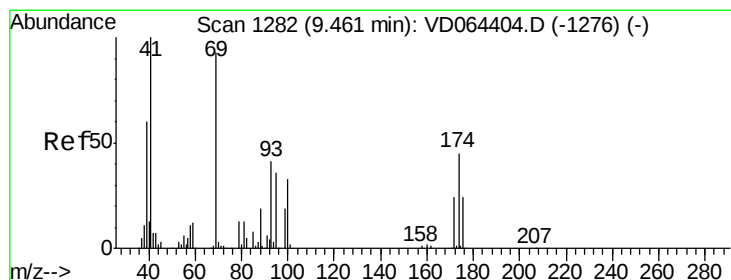
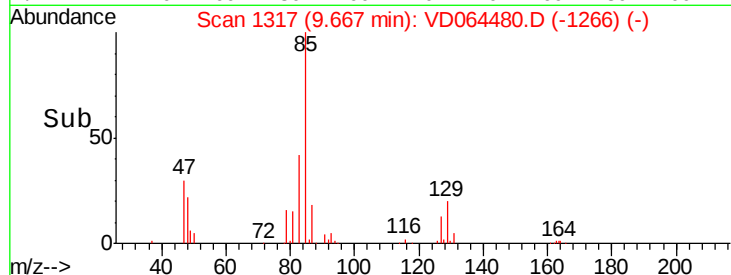
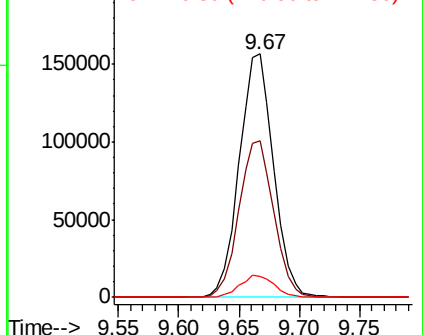
83 100

85 64.1 51.1 76.7

127 8.6 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: 54.074 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

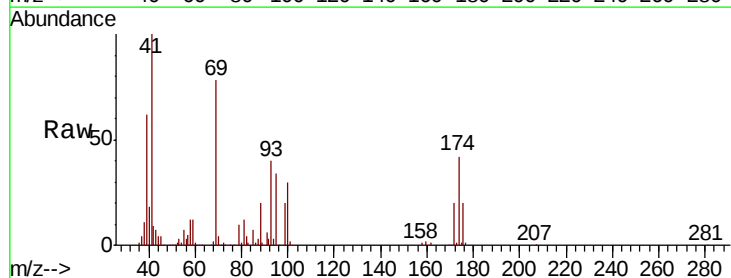
Tgt Ion: 41 Resp: 120591

Ion Ratio Lower Upper

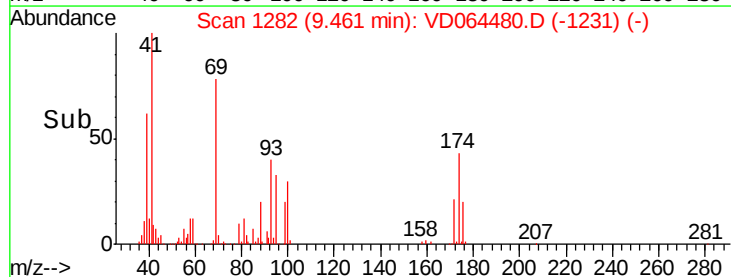
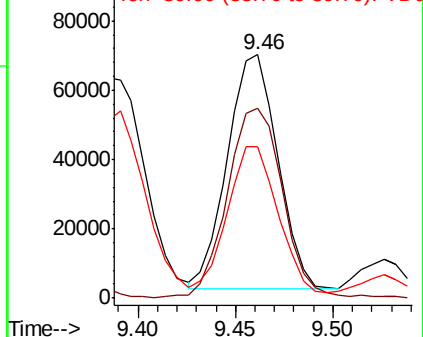
41 100

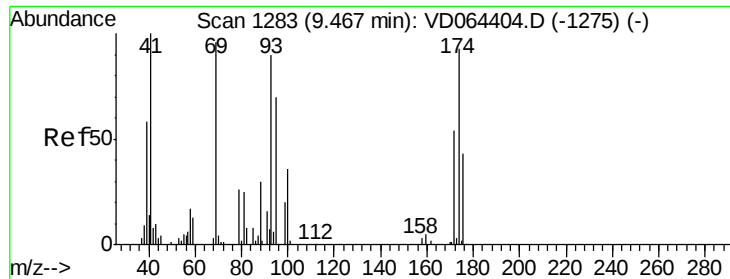
69 88.3 72.0 108.0

39 67.2 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

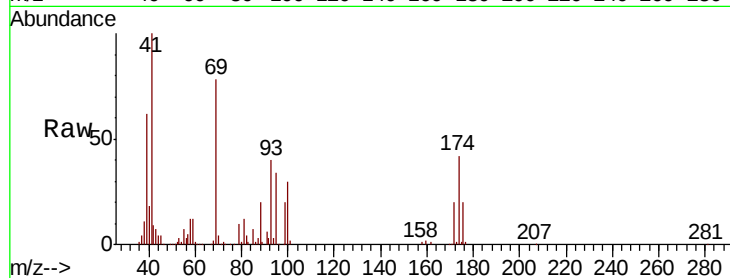




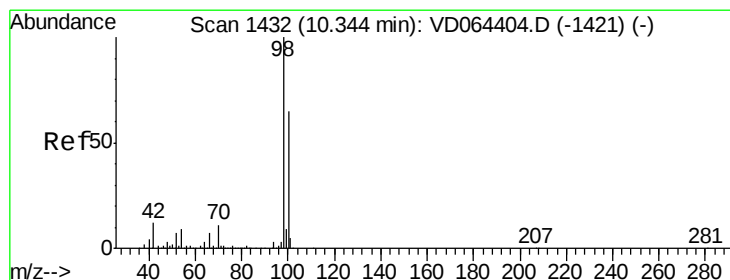
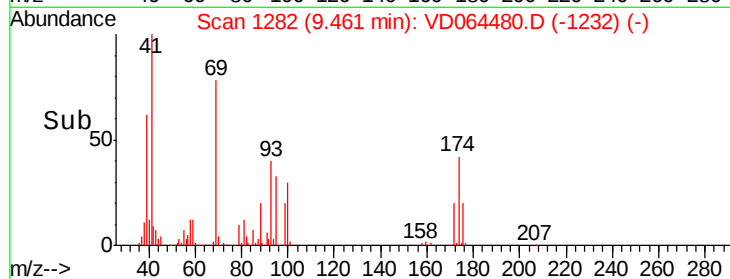
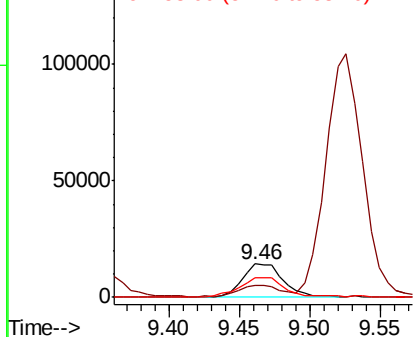
#49
1,4-Dioxane
Concen: 1082.123 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 29264
Ion Ratio Lower Upper
88 100
43 38.5 26.7 40.1
58 64.3 52.3 78.5

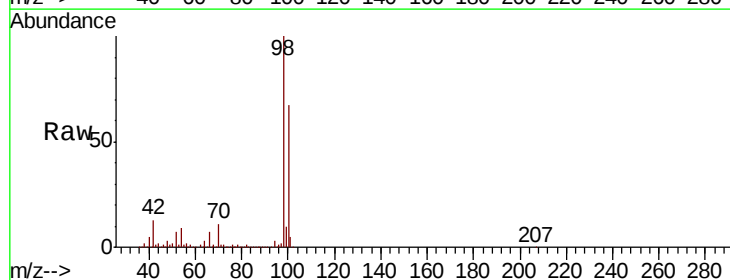


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

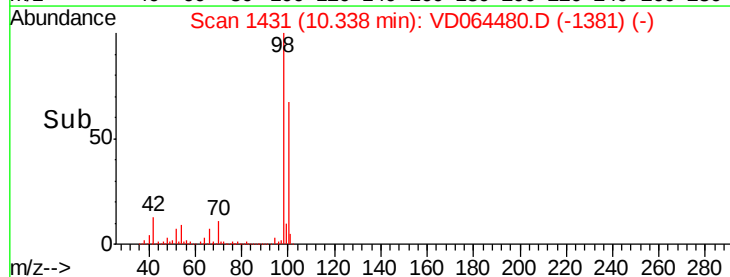
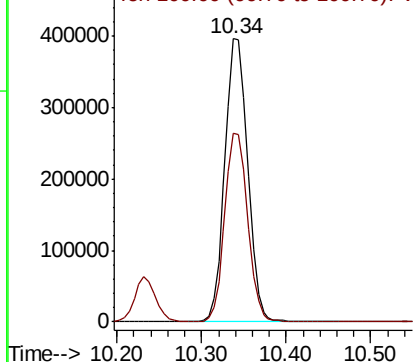


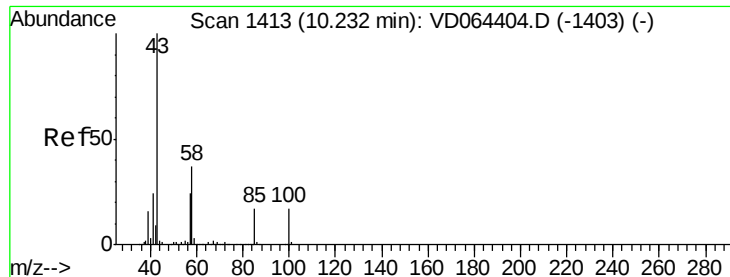
#50
Toluene-d8
Concen: 50.609 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion: 98 Resp: 741794
Ion Ratio Lower Upper
98 100
100 66.5 52.6 79.0



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

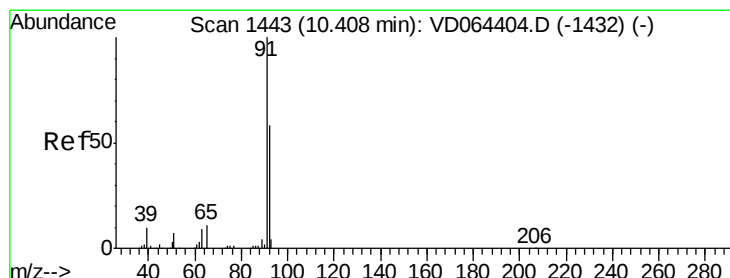
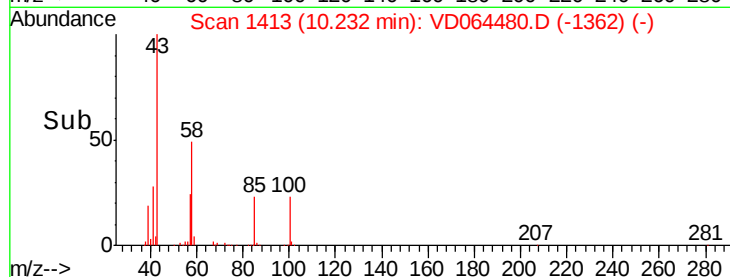
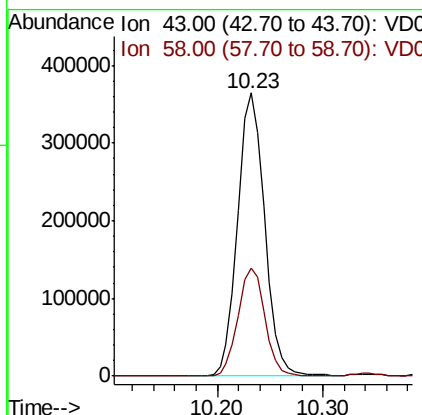
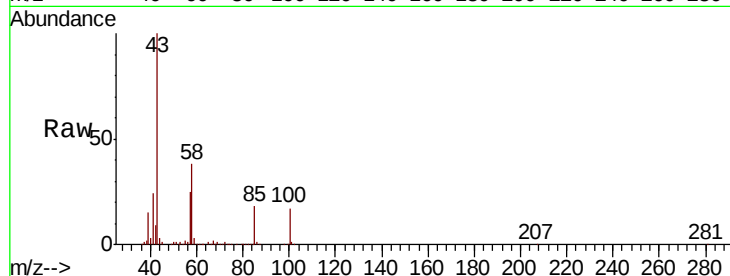




#51
4-Methyl-2-Pentanone
Concen: 267.506 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

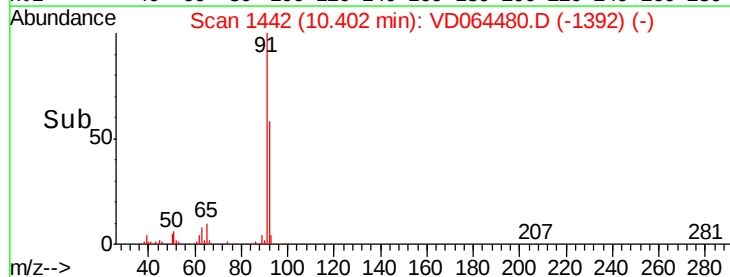
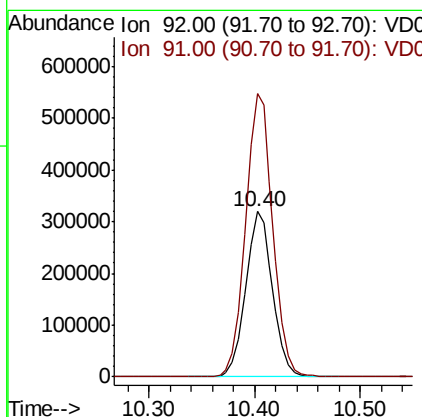
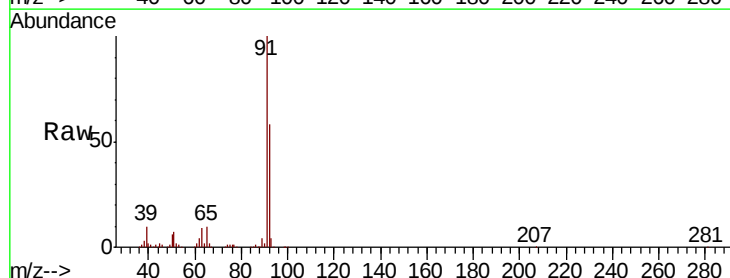
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 645067
Ion Ratio Lower Upper
43 100
58 38.1 30.6 46.0



#52
Toluene
Concen: 53.138 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion: 92 Resp: 561857
Ion Ratio Lower Upper
92 100
91 174.1 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 55.122 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

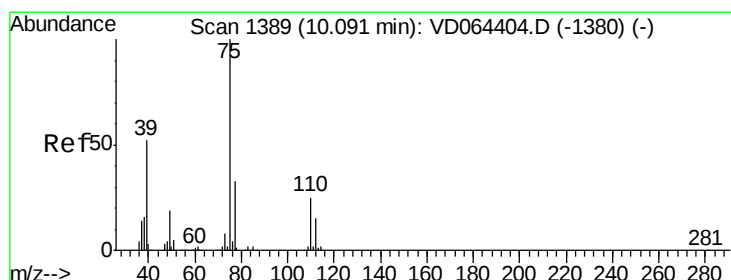
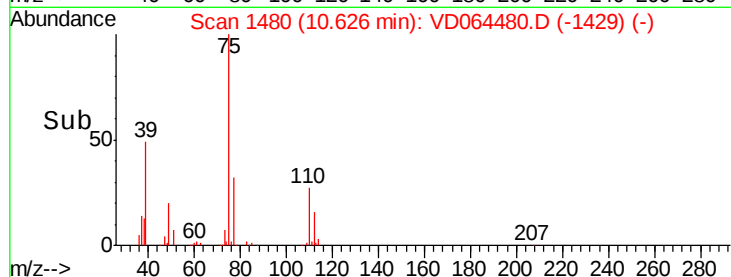
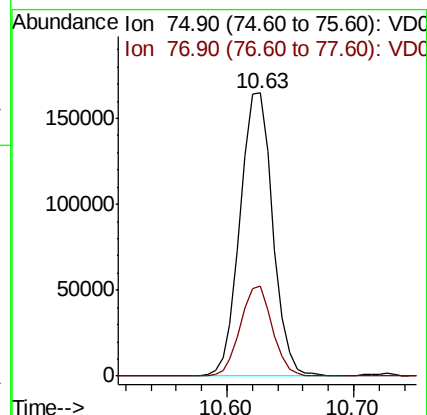
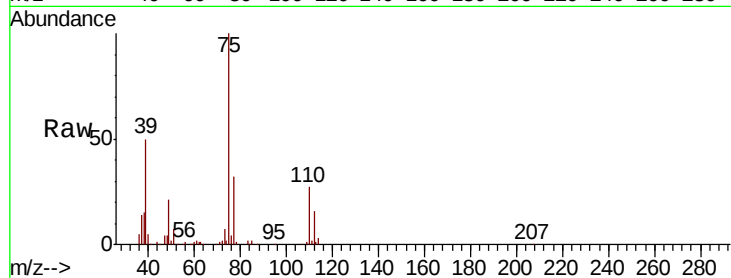
ClientSampleId :

Tot Ion: 75 Resp: 295612

Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 55.160 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

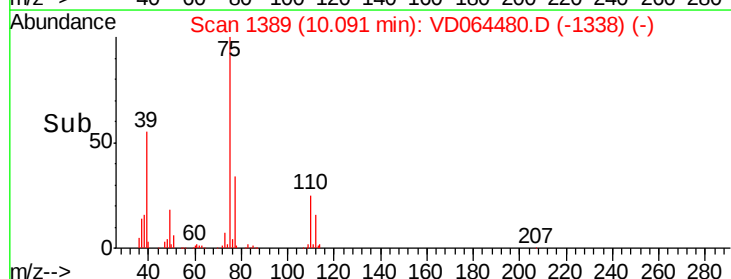
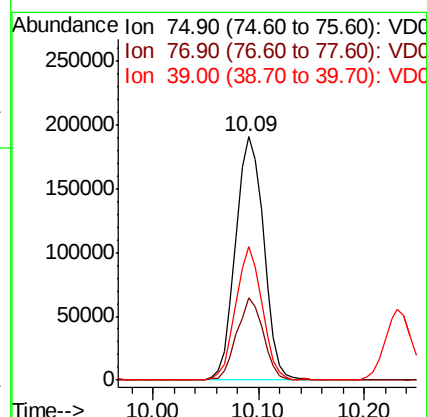
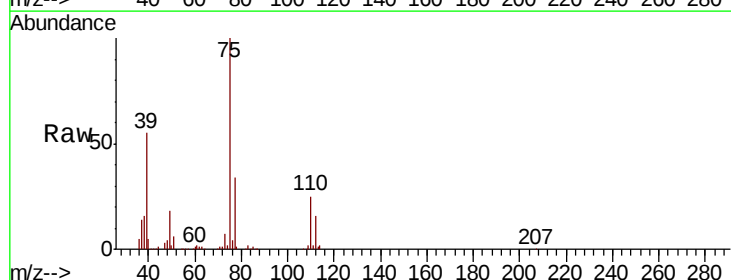
Tgt Ion: 75 Resp: 351418

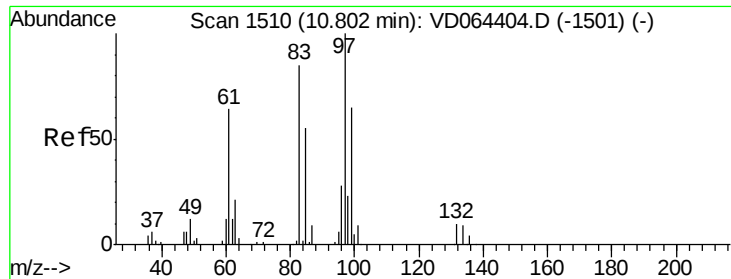
Ion Ratio Lower Upper

75 100

77 33.9 26.1 39.1

39 54.8 41.5 62.3

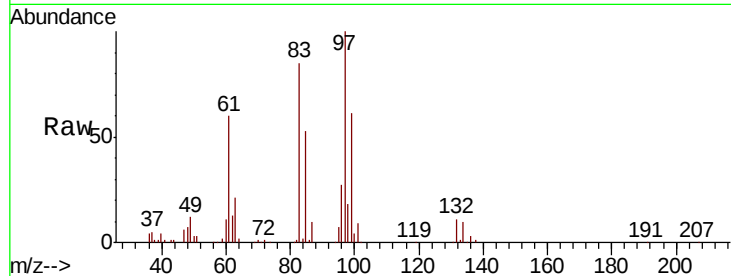




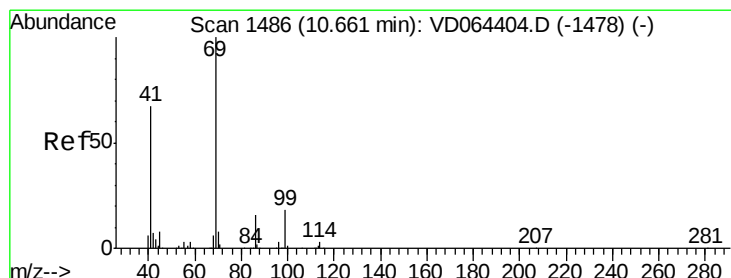
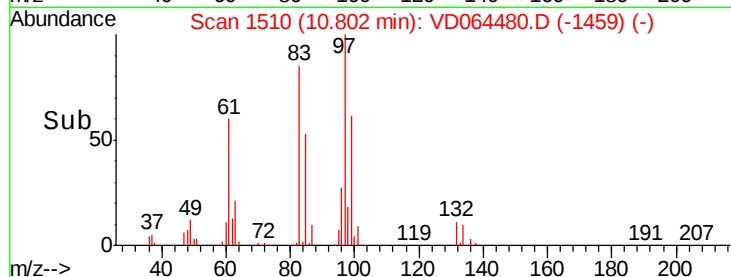
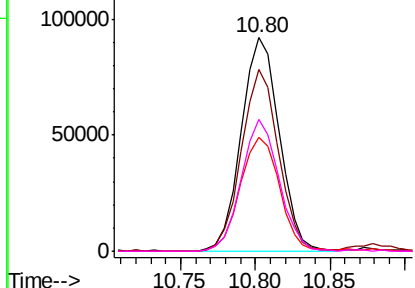
#55
 1,1,2-Trichloroethane
 Concen: 54.135 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	162335
Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.8	101.8
85	53.2	43.7	65.5
99	61.4	51.7	77.5

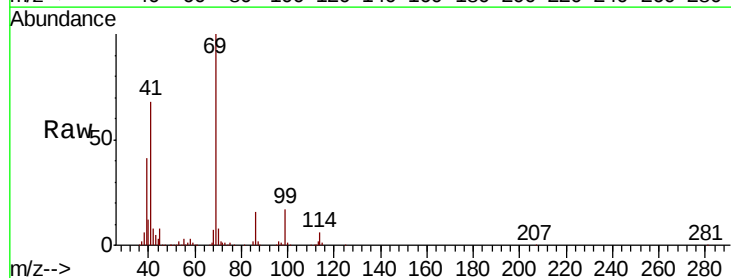


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

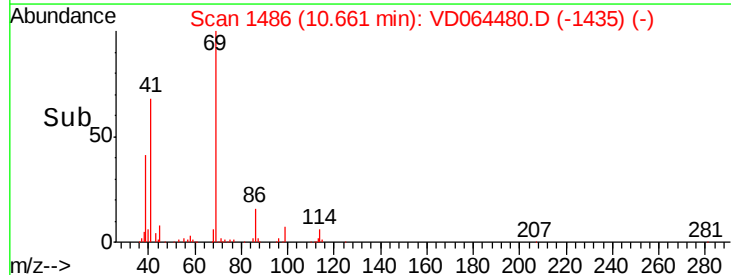
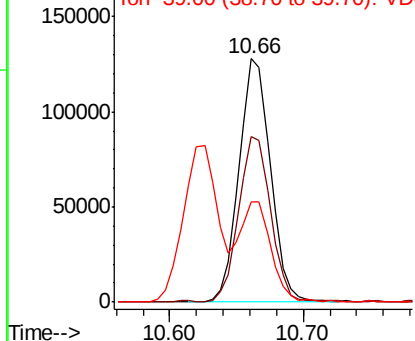


#56
 Ethyl methacrylate
 Concen: 54.705 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Tgt Ion:	69	Resp:	209228
Ion	Ratio	Lower	Upper
69	100		
41	68.4	55.0	82.4
39	41.6	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: 54.861 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

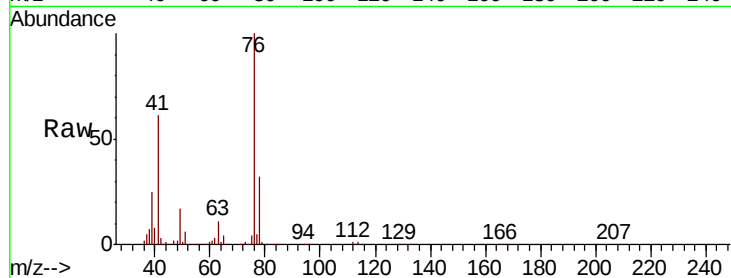
ClientSampleId :

Tot Ion: 76 Resp: 280045

Ion Ratio Lower Upper

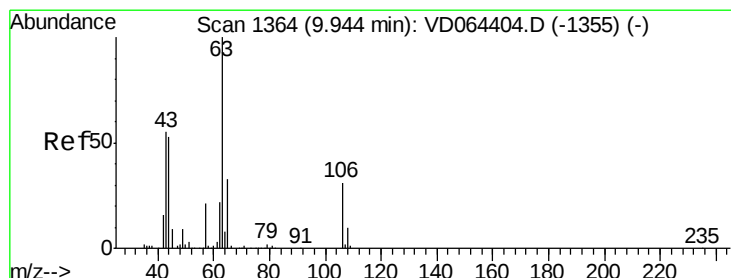
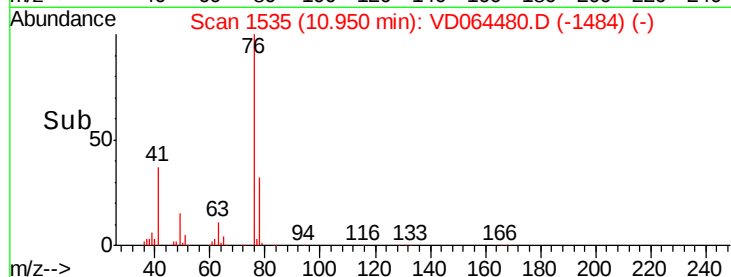
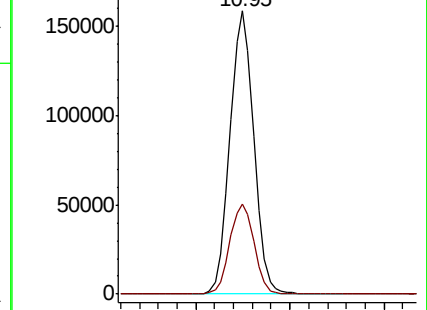
76 100

78 32.4 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 249.931 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064480.D

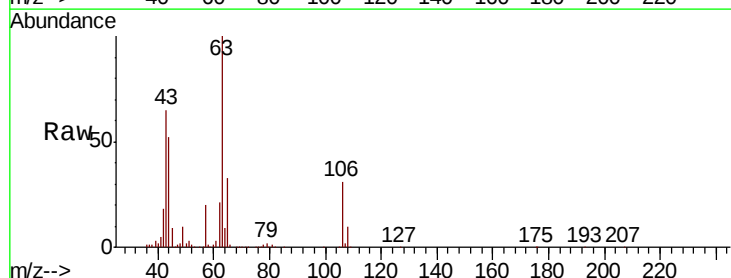
Acq: 09 Dec 2019 19:42

Tgt Ion: 63 Resp: 381062

Ion Ratio Lower Upper

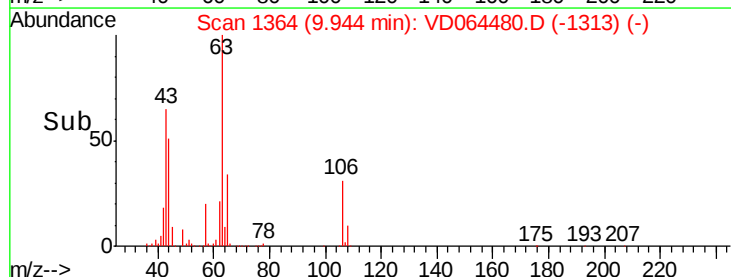
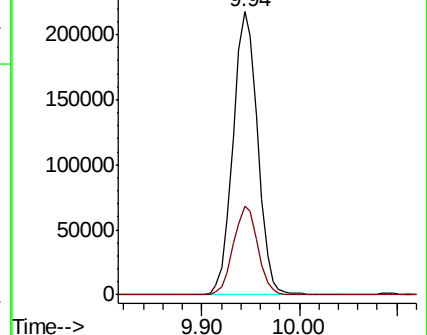
63 100

106 31.1 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

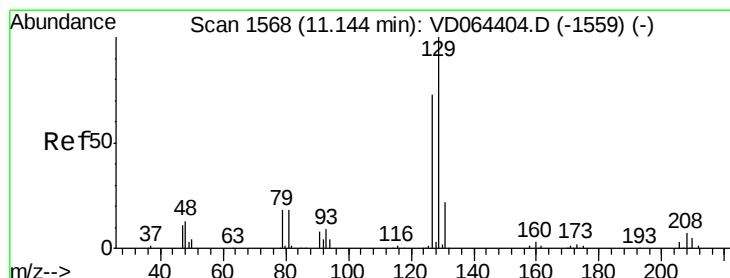
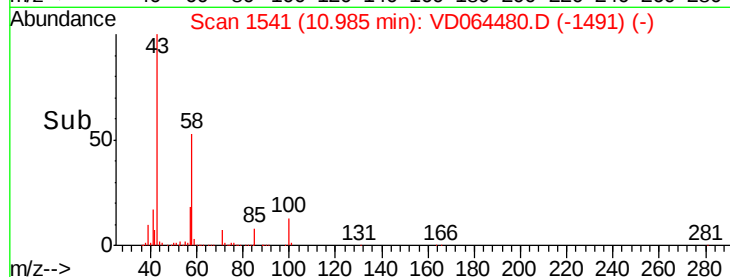
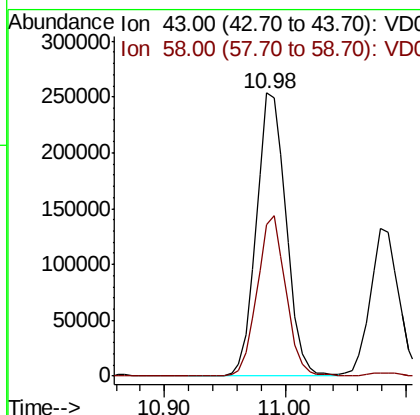
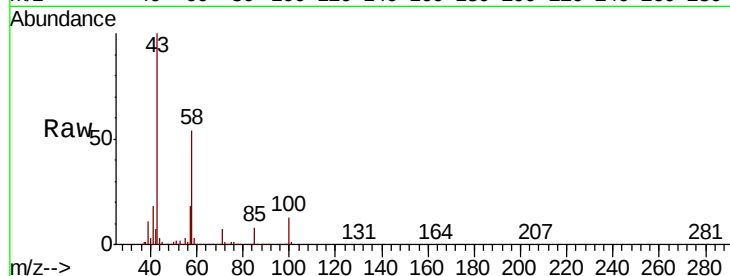




#59
2-Hexanone
Concen: 261.853 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

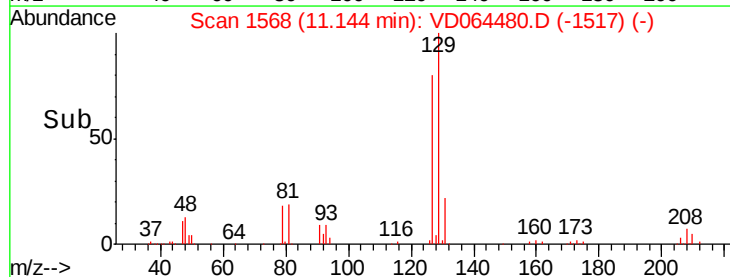
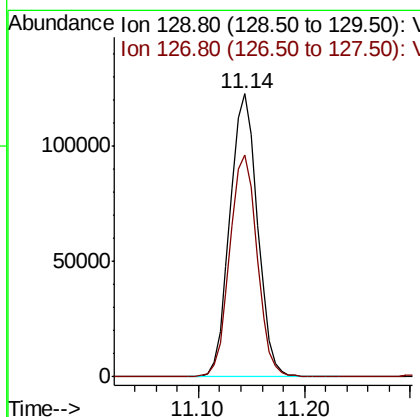
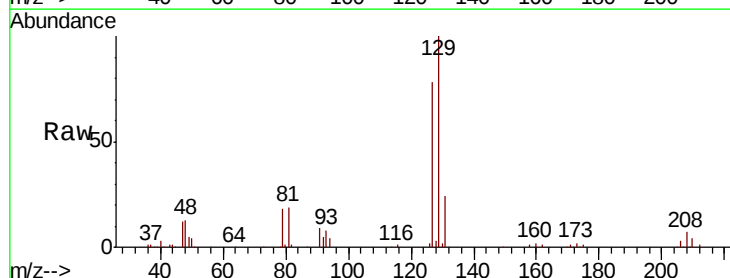
Instrument :
MSVOA_D
ClientSampled :

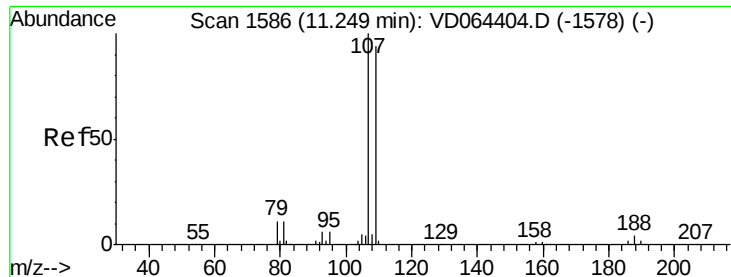
Tot Ion: 43 Resp: 438146
Ion Ratio Lower Upper
43 100
58 54.2 26.3 78.8



#60
Dibromochloromethane
Concen: 54.471 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion:129 Resp: 221469
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.3

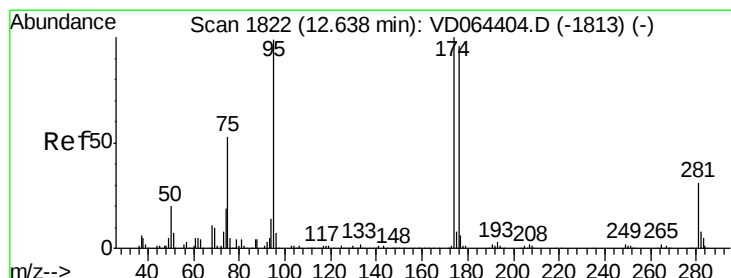
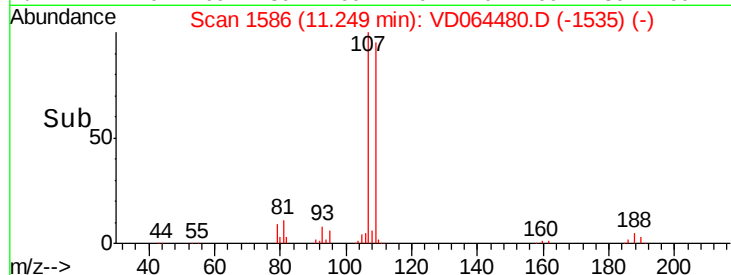
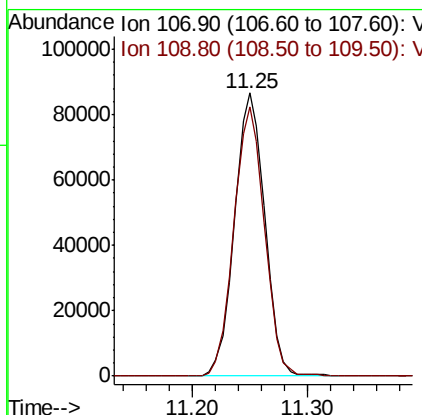
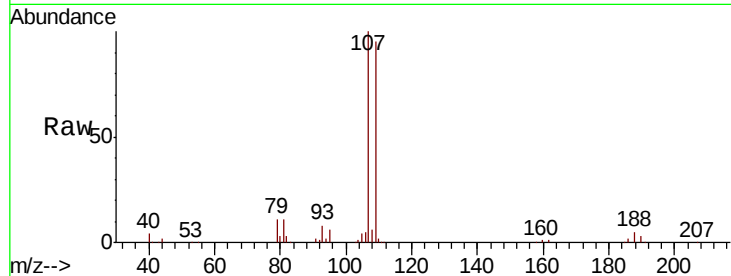




#61
 1,2-Dibromoethane
 Concen: 52.293 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

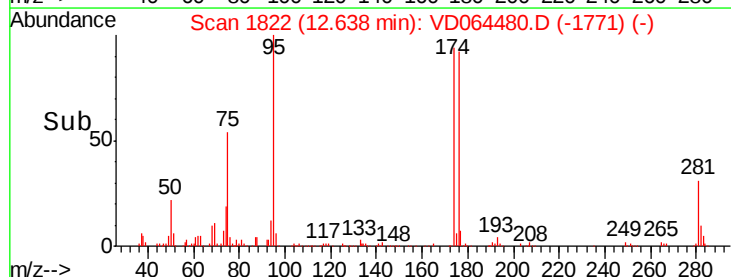
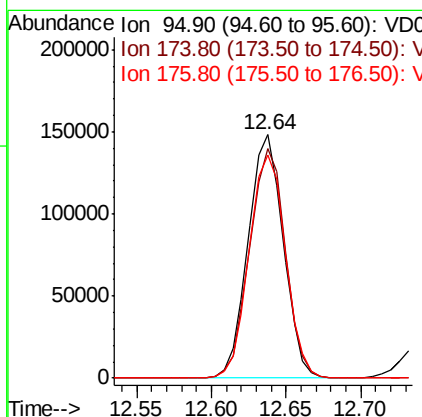
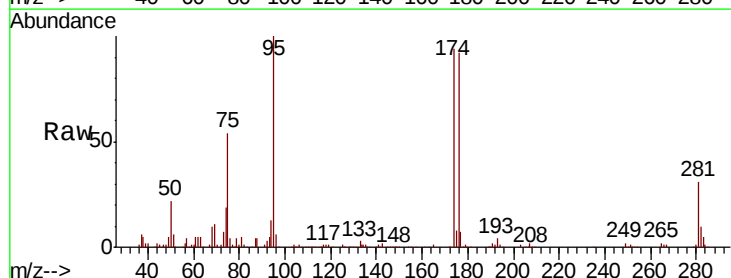
Instrument :
 MSVOA_D
 ClientSampleId :

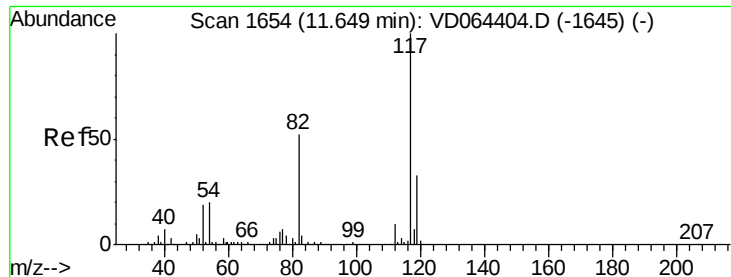
Tot Ion:107 Resp: 156571
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 51.332 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Tgt Ion: 95 Resp: 241799
 Ion Ratio Lower Upper
 95 100
 174 95.6 0.0 197.2
 176 94.5 0.0 189.6

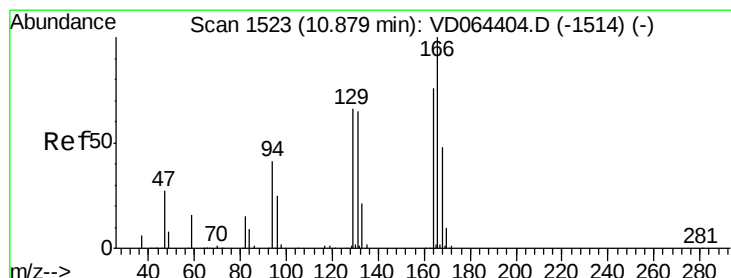
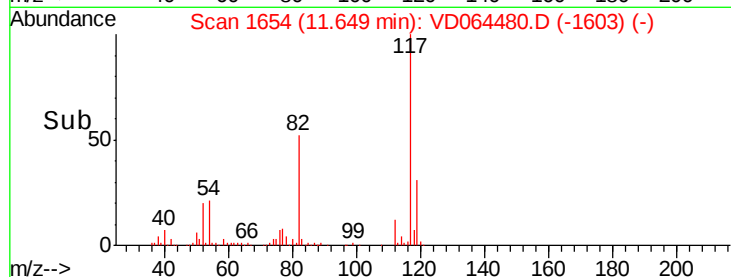
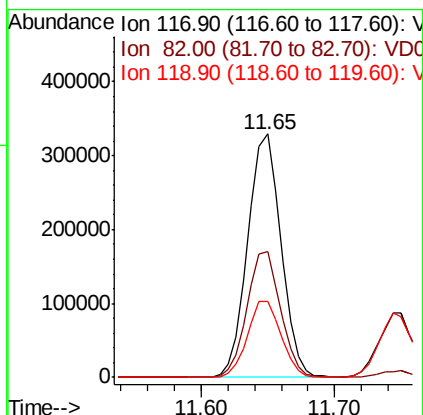
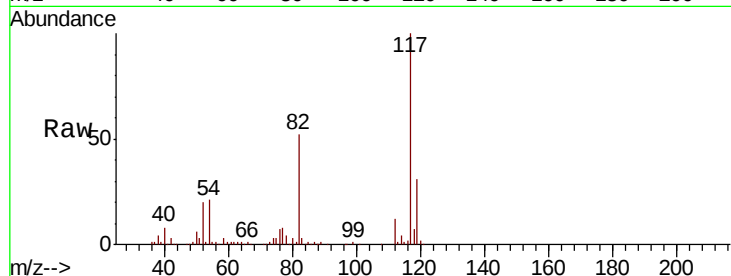




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

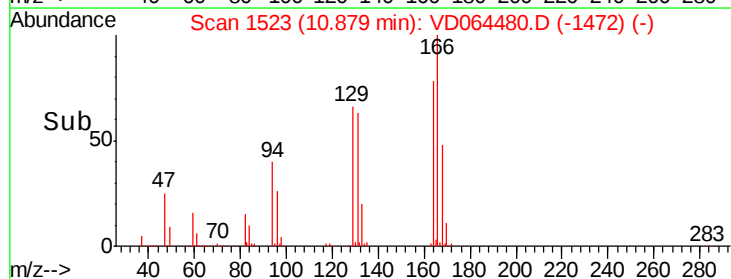
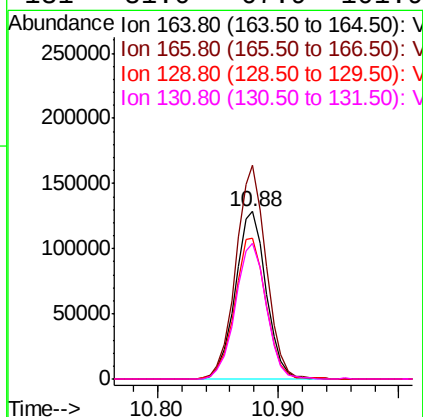
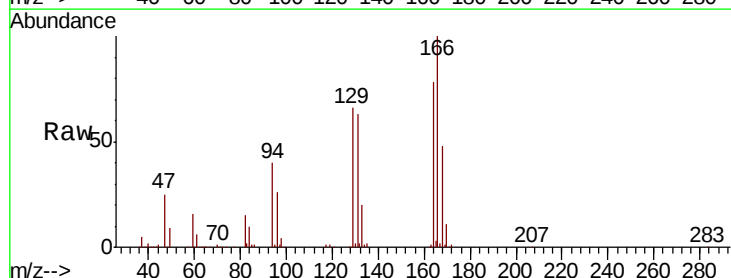
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 568138
Ion Ratio Lower Upper
117 100
82 51.7 41.4 62.2
119 31.3 26.2 39.2



#64
Tetrachloroethene
Concen: 52.660 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion:164 Resp: 228149
Ion Ratio Lower Upper
164 100
166 127.6 104.8 157.2
129 83.9 68.7 103.1
131 81.0 67.9 101.9





#65

Chlorobenzene

Concen: 51.332 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

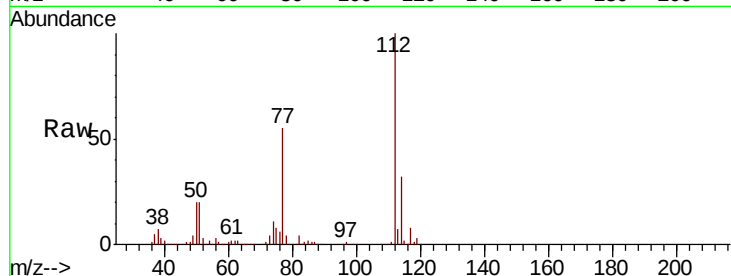
ClientSampleId :

Tot Ion:112 Resp: 608254

Ion Ratio Lower Upper

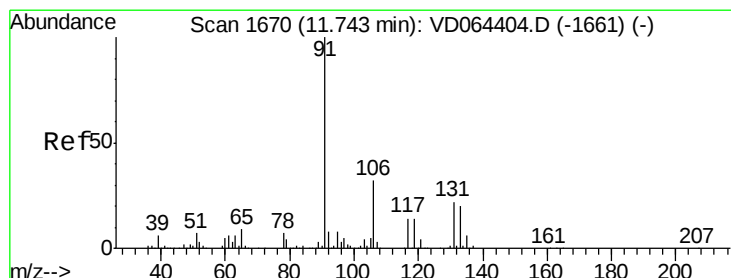
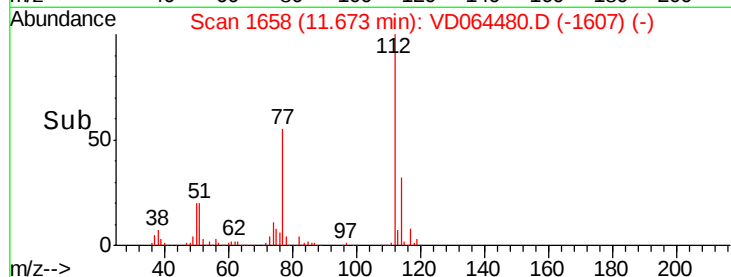
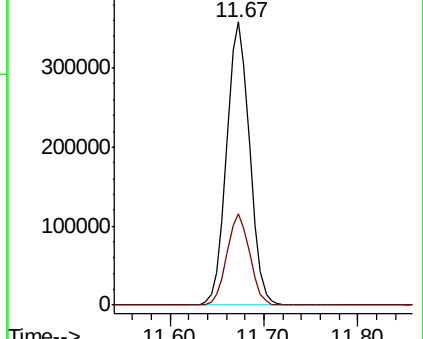
112 100

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: 52.931 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

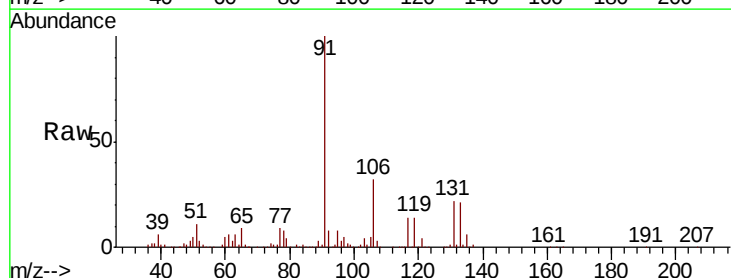
Tgt Ion:131 Resp: 232184

Ion Ratio Lower Upper

131 100

133 96.3 48.3 144.9

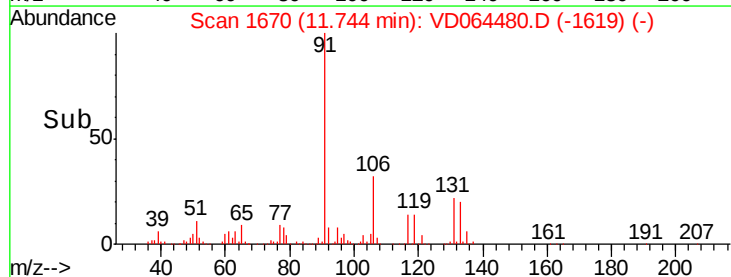
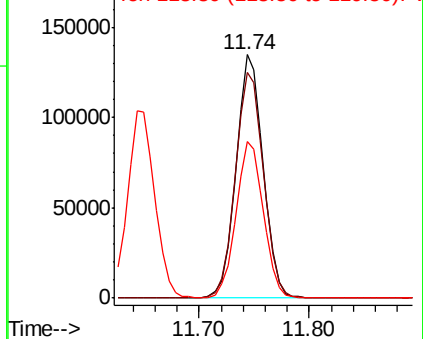
119 65.3 31.9 95.9

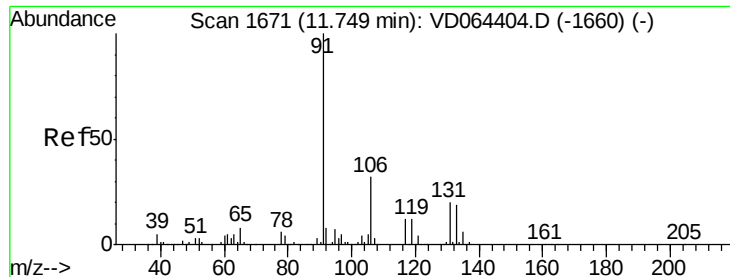


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.784 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

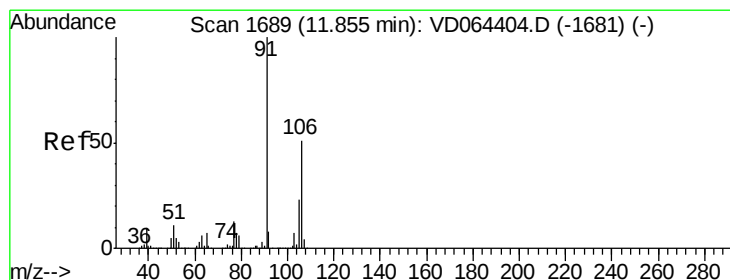
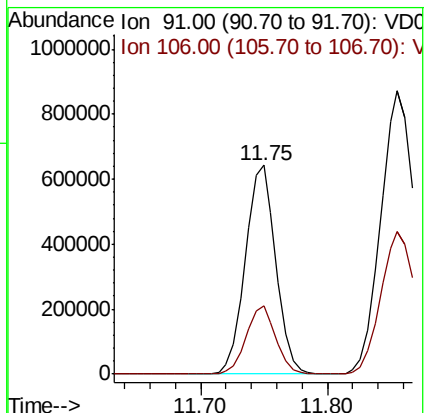
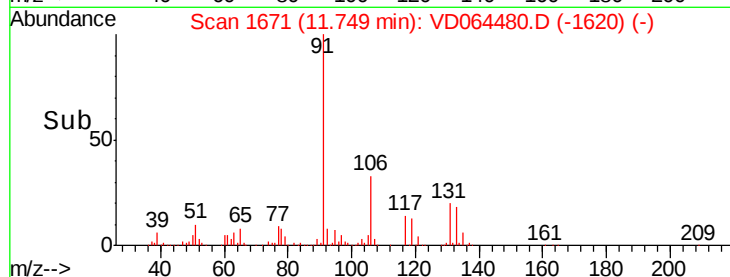
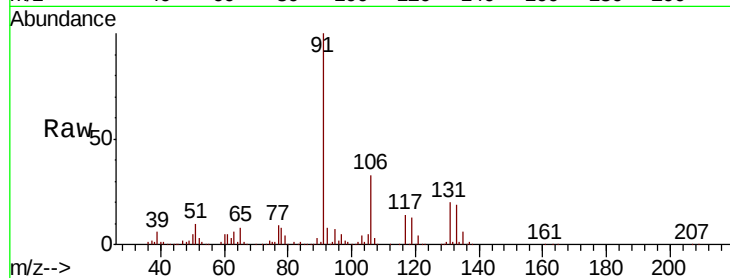
ClientSampled :

Tot Ion: 91 Resp: 1070669

Ion Ratio Lower Upper

91 100

106 32.8 25.8 38.8



#68

m/p-Xylenes

Concen: 103.497 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064480.D

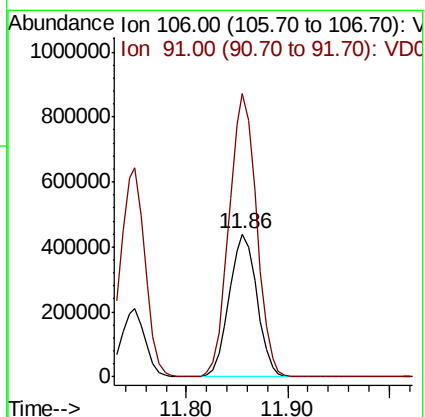
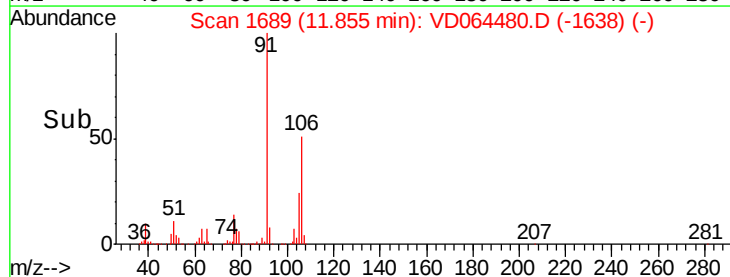
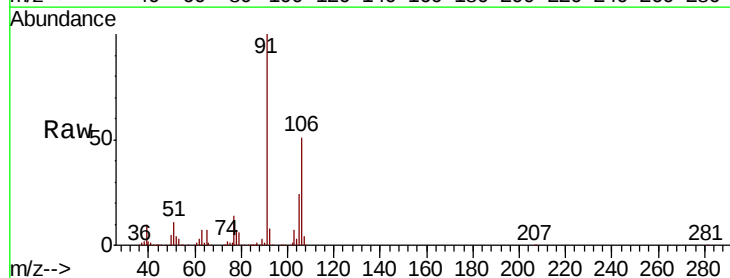
Acq: 09 Dec 2019 19:42

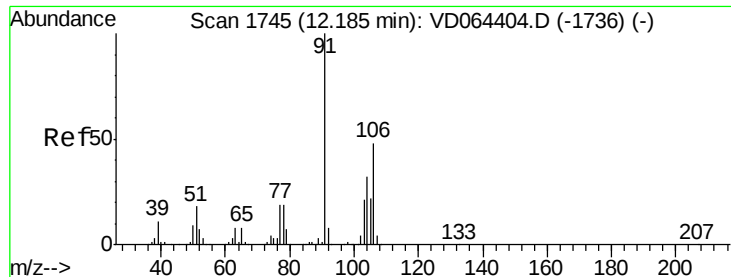
Tgt Ion: 106 Resp: 831988

Ion Ratio Lower Upper

106 100

91 197.2 157.4 236.2

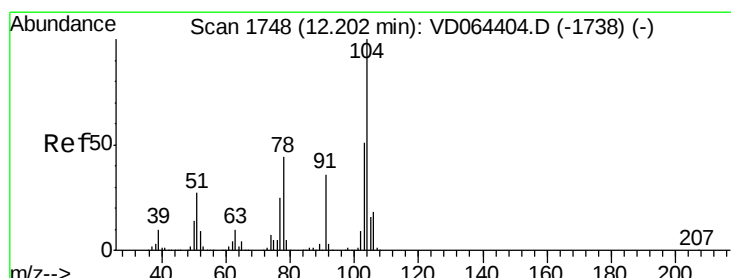
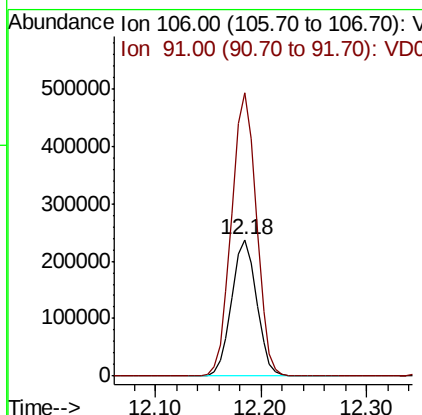
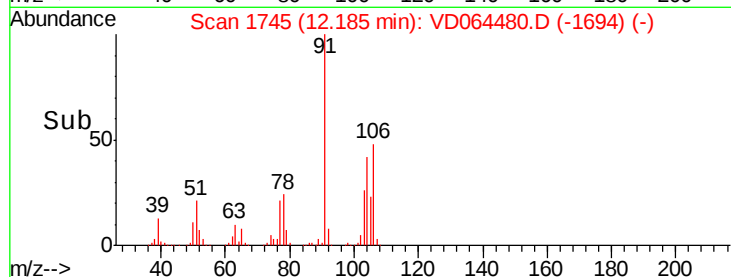
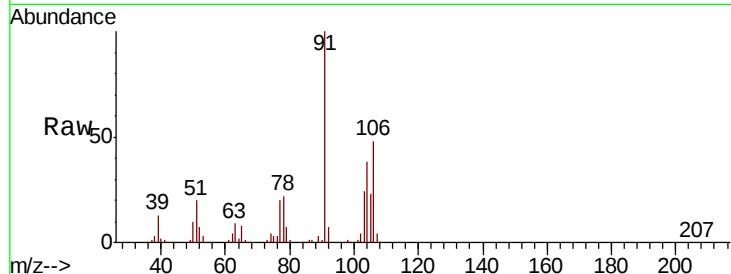




#69
o-Xylene
Concen: 52.202 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

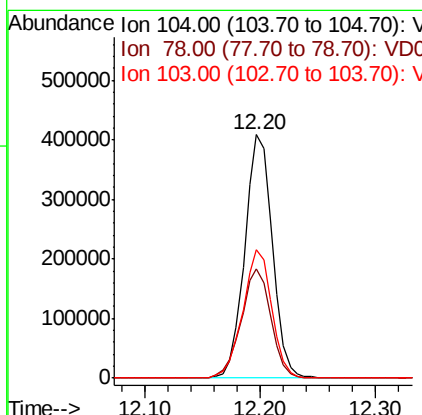
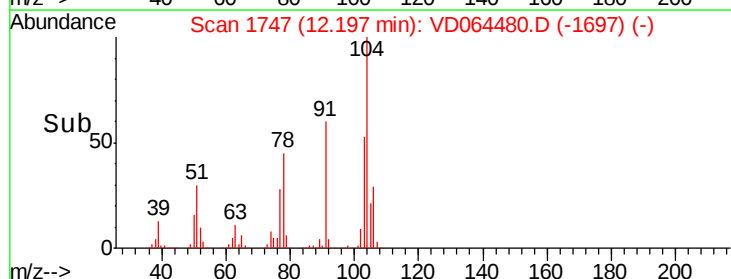
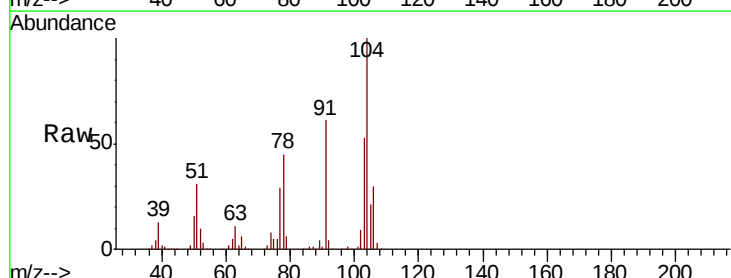
Instrument :
MSVOA_D
ClientSampleId :

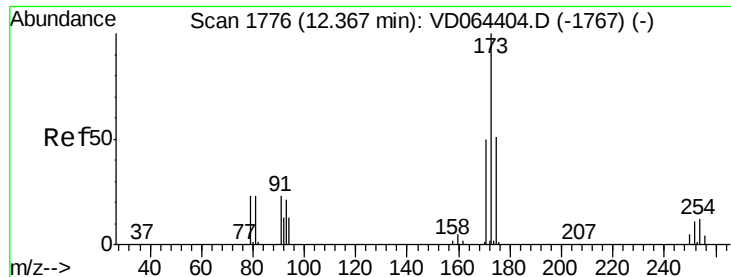
Tot Ion:106 Resp: 387562
Ion Ratio Lower Upper
106 100
91 207.0 103.8 311.4



#70
Styrene
Concen: 52.565 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion:104 Resp: 678163
Ion Ratio Lower Upper
104 100
78 48.0 38.8 58.2
103 55.3 44.2 66.4

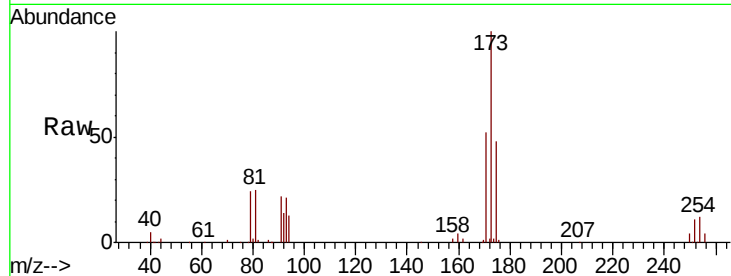




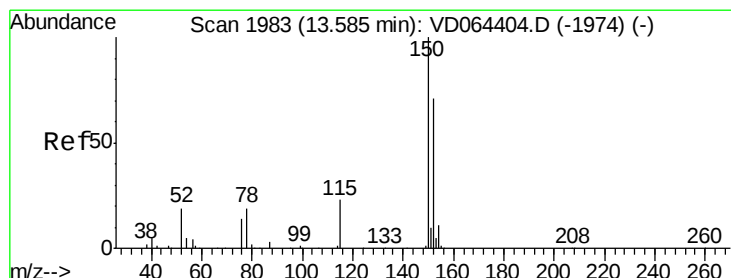
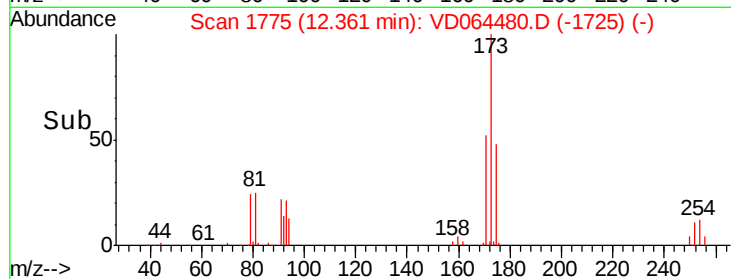
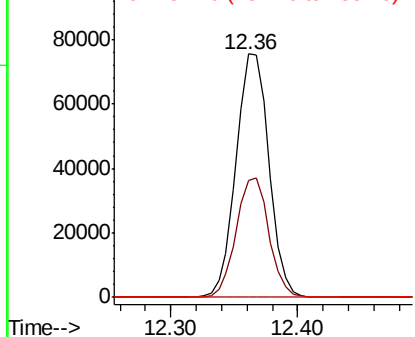
#71
Bromoform
Concen: 51.895 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 136193
Ion Ratio Lower Upper
173 100
175 48.7 25.3 75.8
254 0.1 0.0 0.0#

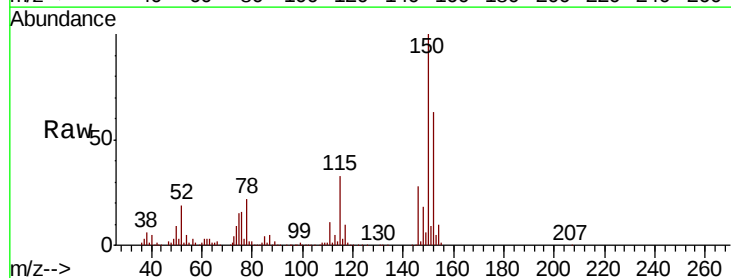


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

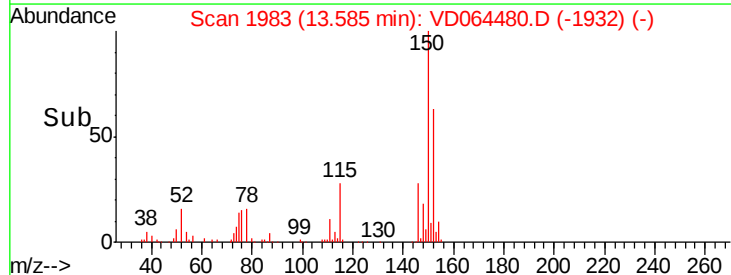
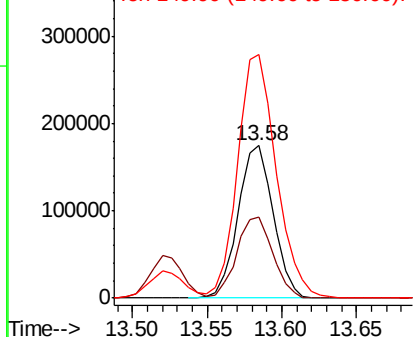


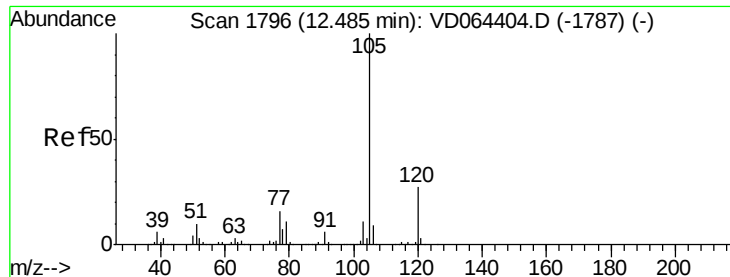
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion:152 Resp: 285627
Ion Ratio Lower Upper
152 100
115 54.3 26.7 80.1
150 174.8 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: 50.255 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

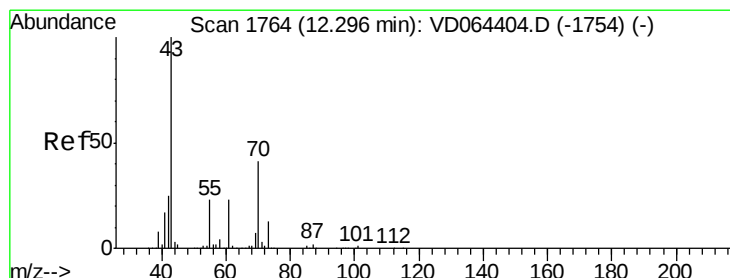
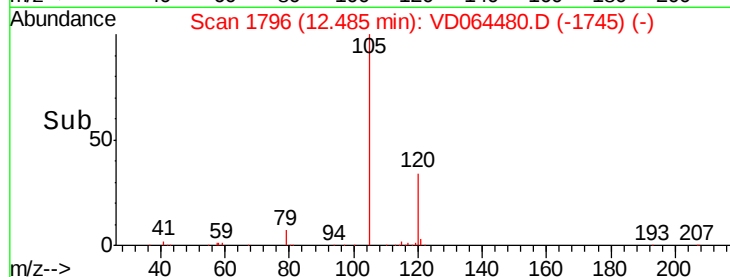
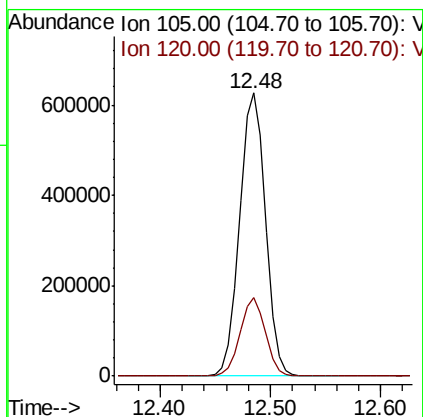
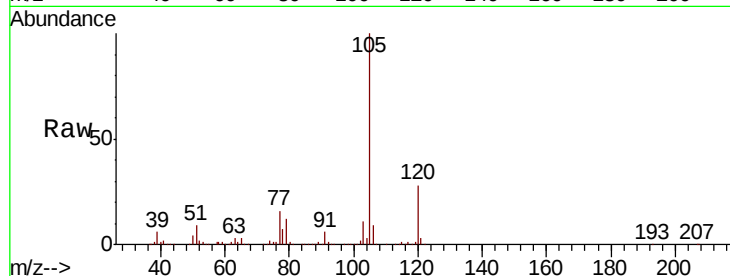
ClientSampleId :

Tot Ion:105 Resp: 1032362

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



#74

N-ethyl acetate

Concen: 50.477 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Tgt Ion: 43 Resp: 235344

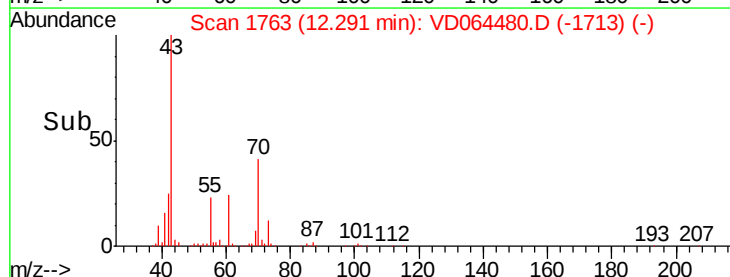
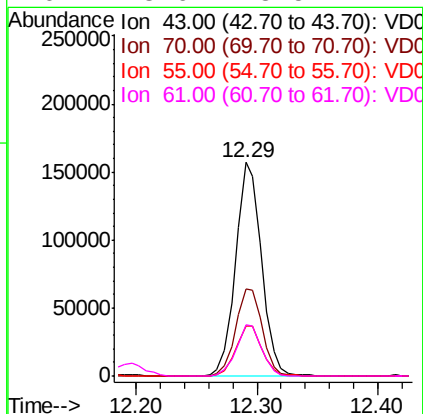
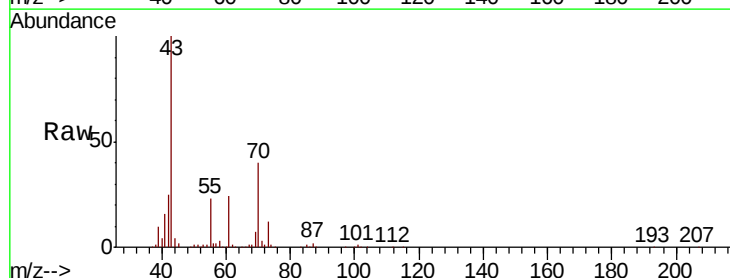
Ion Ratio Lower Upper

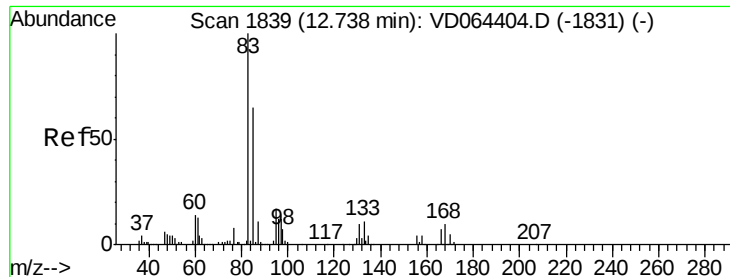
43 100

70 41.8 33.4 50.2

55 24.0 18.9 28.3

61 23.6 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 50.127 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

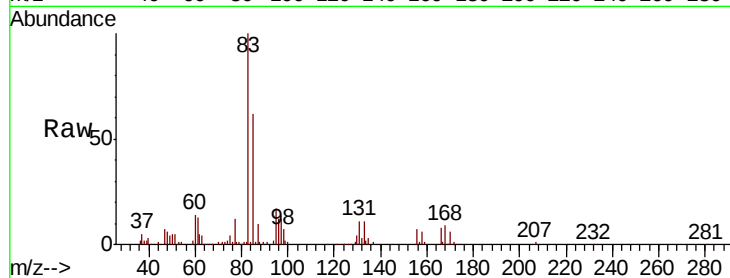
Tot Ion: 83 Resp: 170288

Ion Ratio Lower Upper

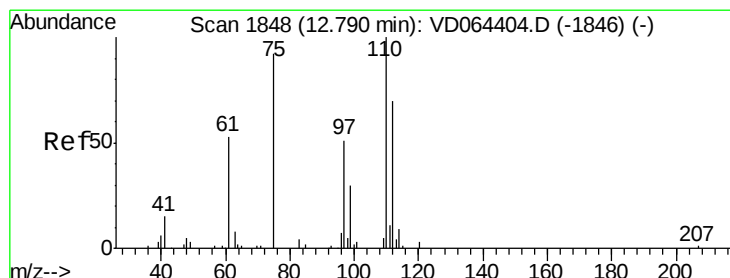
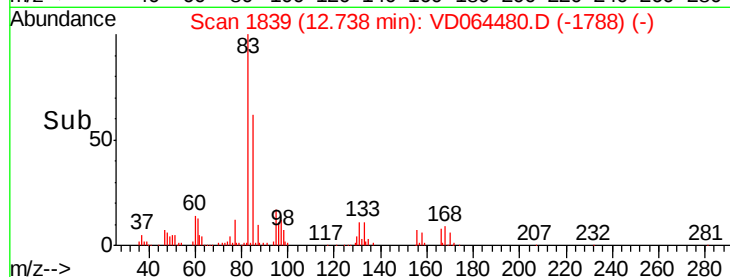
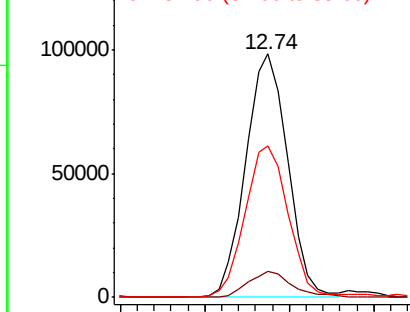
83 100

131 11.0 5.7 17.0

85 63.7 31.3 93.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 96.132 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064480.D

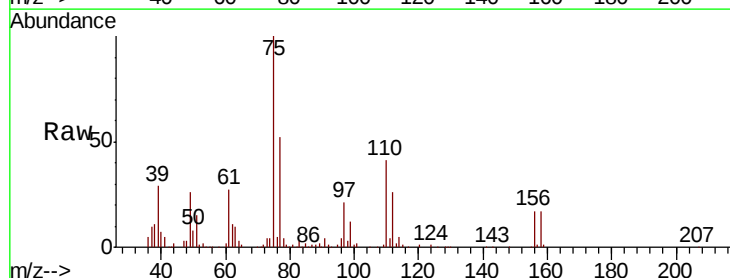
Acq: 09 Dec 2019 19:42

Tgt Ion: 75 Resp: 225804

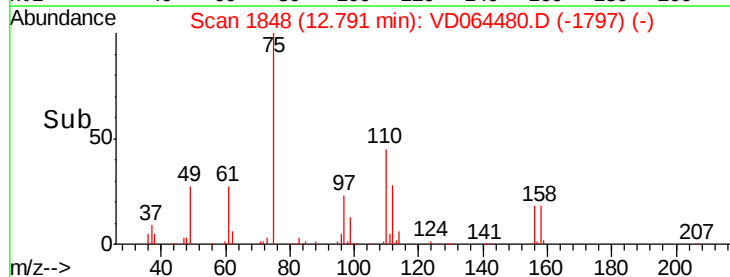
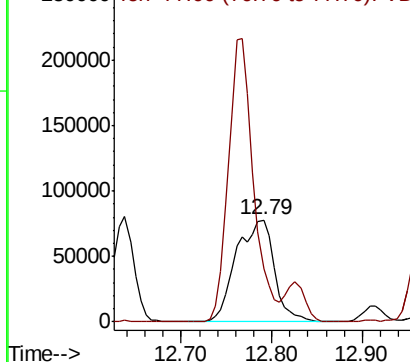
Ion Ratio Lower Upper

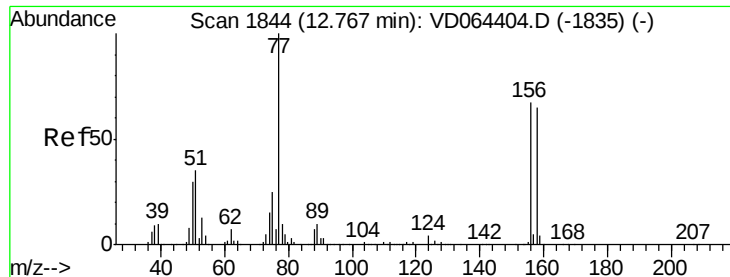
75 100

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: 51.339 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampled :

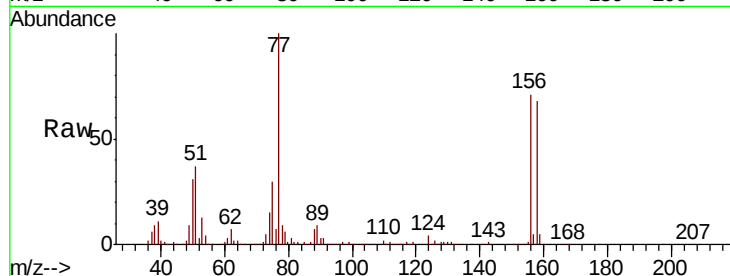
Tot Ion:156 Resp: 260439

Ion Ratio Lower Upper

156 100

77 161.6 80.0 240.2

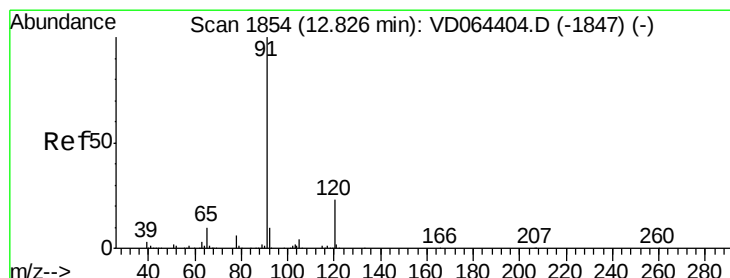
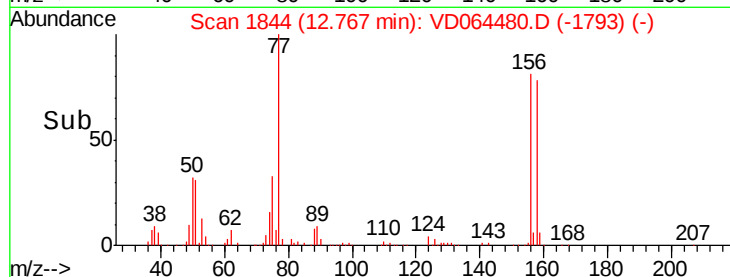
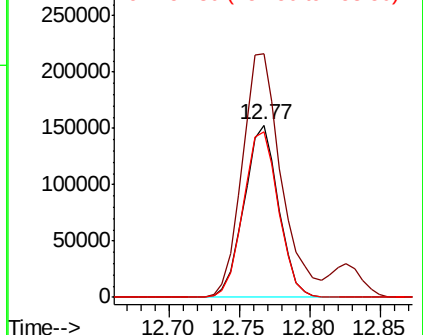
158 98.8 48.9 146.6



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: 50.201 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064480.D

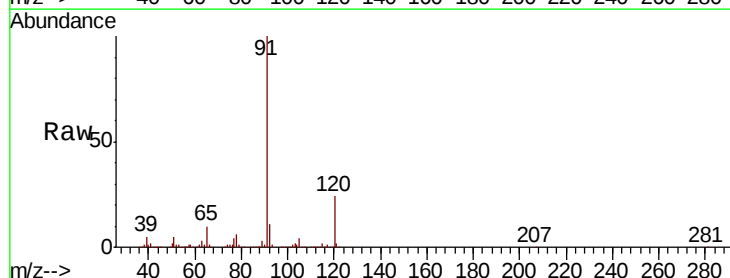
Acq: 09 Dec 2019 19:42

Tgt Ion: 91 Resp: 1189878

Ion Ratio Lower Upper

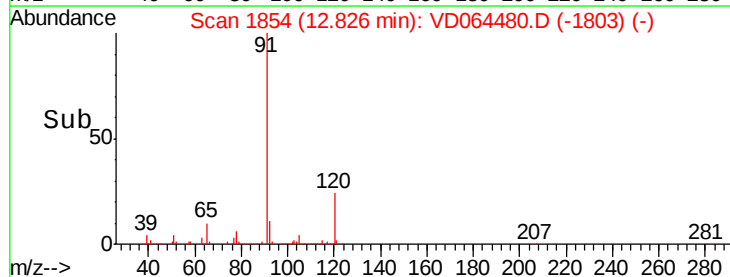
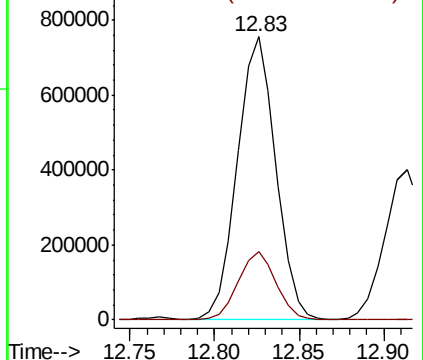
91 100

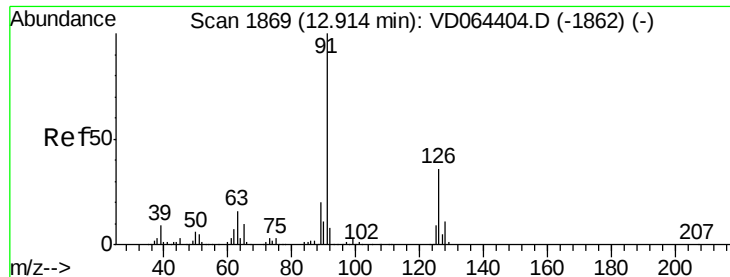
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.216 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

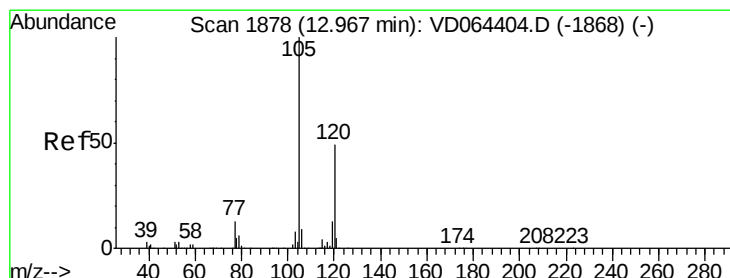
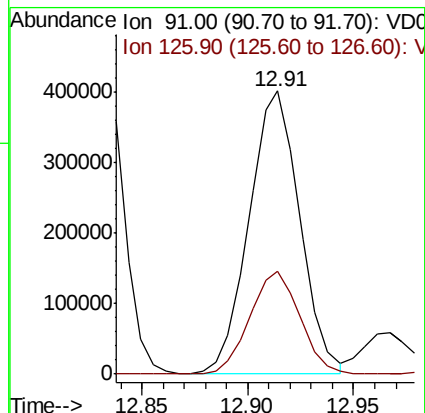
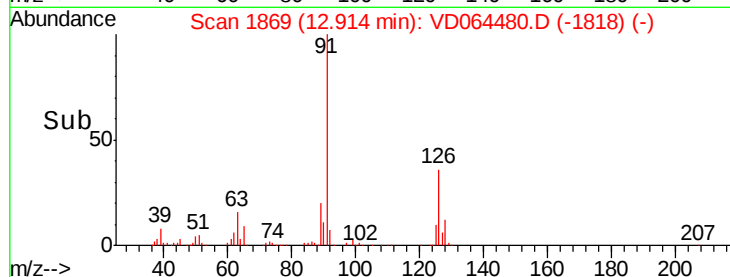
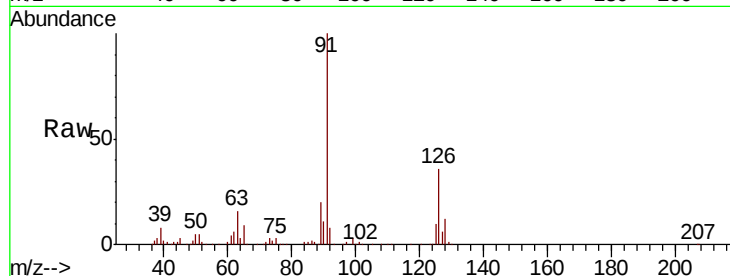
ClientSampleId :

Tot Ion: 91 Resp: 667963

Ion Ratio Lower Upper

91 100

126 36.1 18.0 54.0



#80

1,3,5-Trimethylbenzene

Concen: 50.676 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064480.D

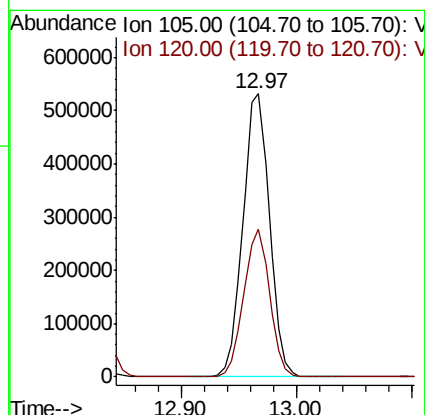
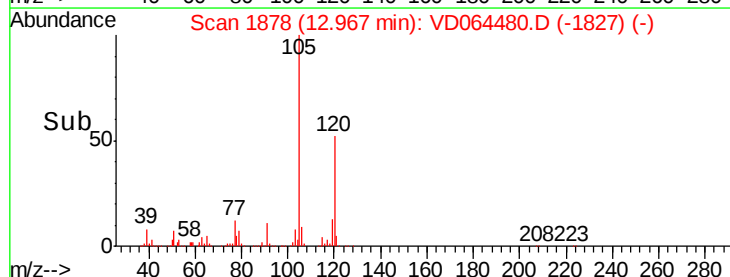
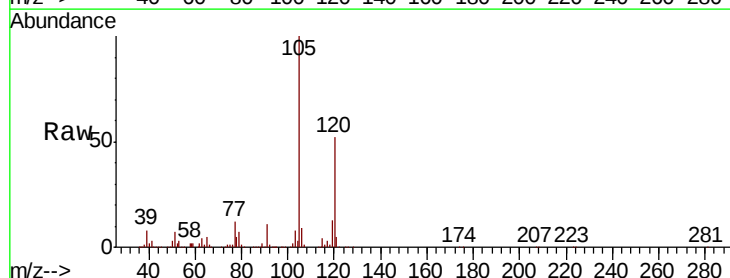
Acq: 09 Dec 2019 19:42

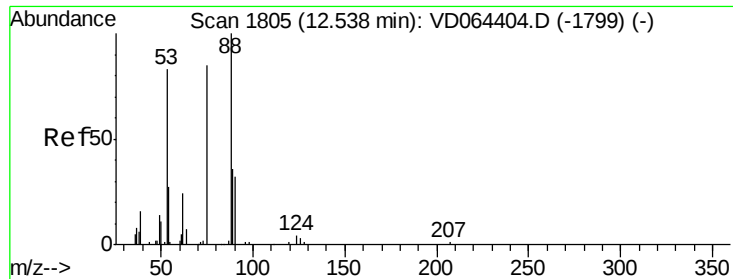
Tgt Ion: 105 Resp: 850713

Ion Ratio Lower Upper

105 100

120 50.8 25.1 75.3

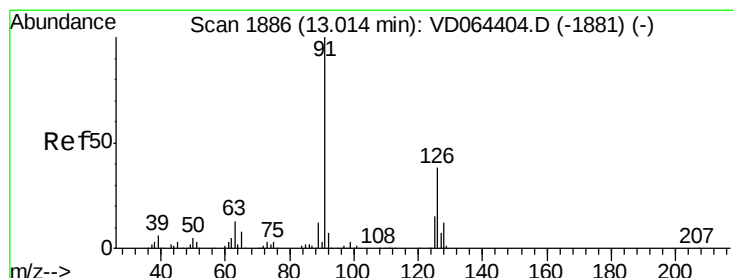
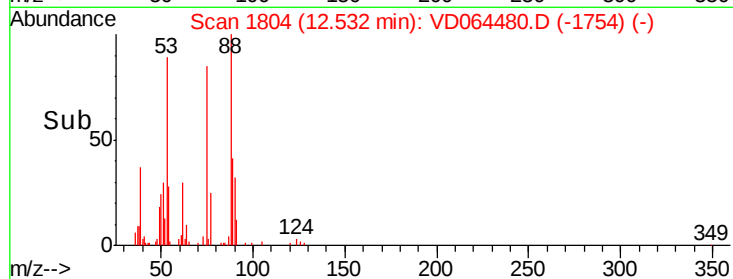
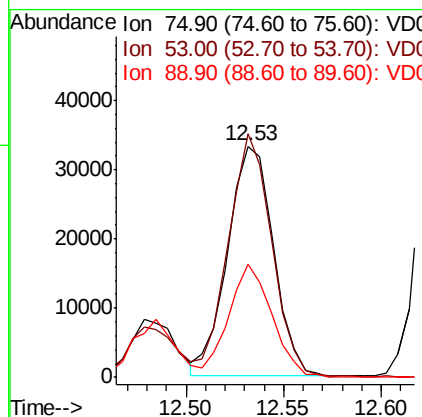
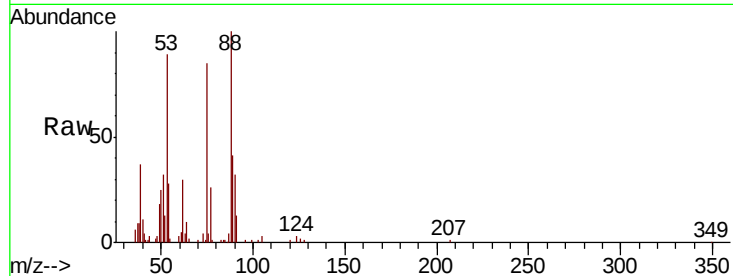




#81
trans-1,4-Dichloro-2-butene
Concen: 50.220 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

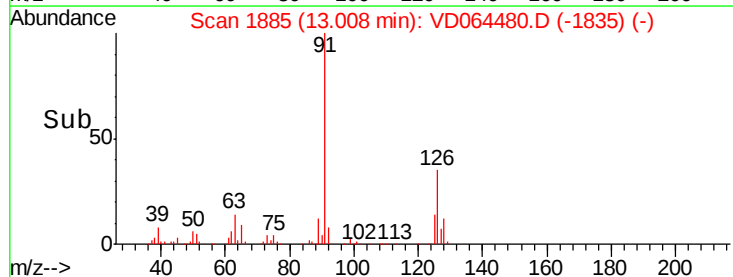
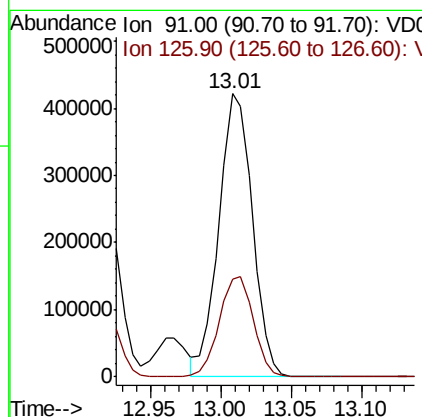
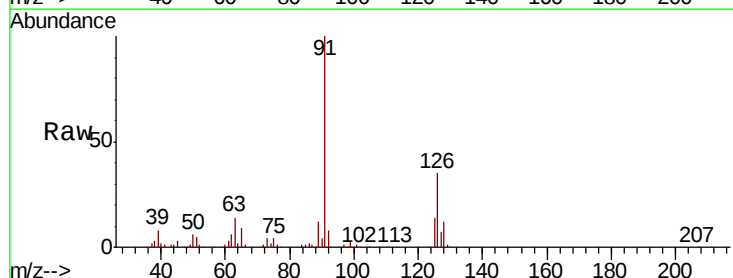
Instrument :
MSVOA_D
ClientSampleId :

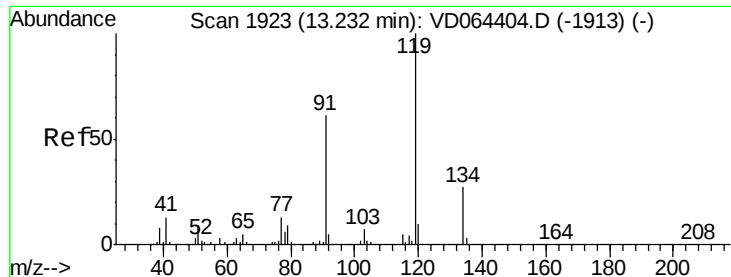
Tot Ion: 75 Resp: 54098
Ion Ratio Lower Upper
75 100
53 101.2 81.0 121.6
89 46.1 38.5 57.7



#82
4-Chlorotoluene
Concen: 50.400 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion: 91 Resp: 695964
Ion Ratio Lower Upper
91 100
126 36.1 18.2 54.6

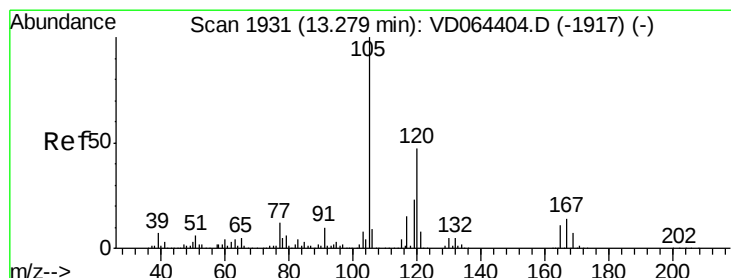
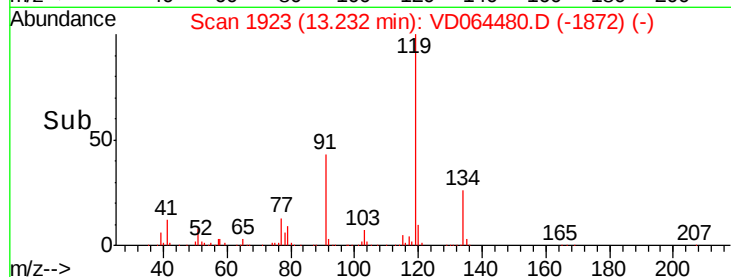
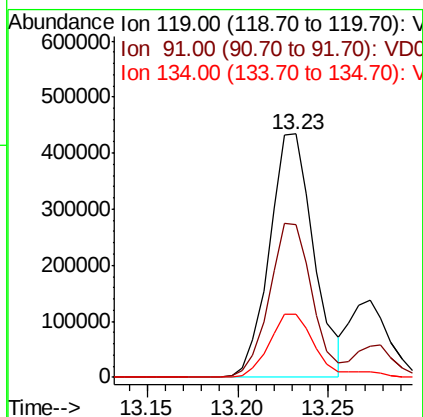
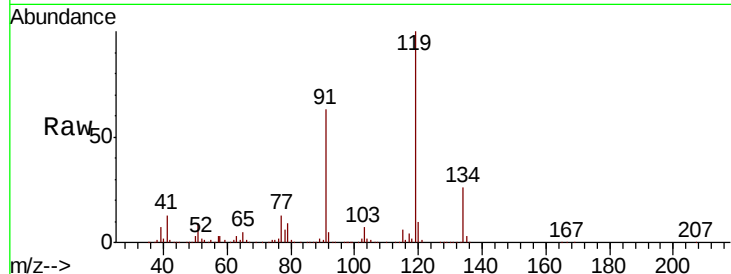




#83
tert-Butylbenzene
Concen: 50.685 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

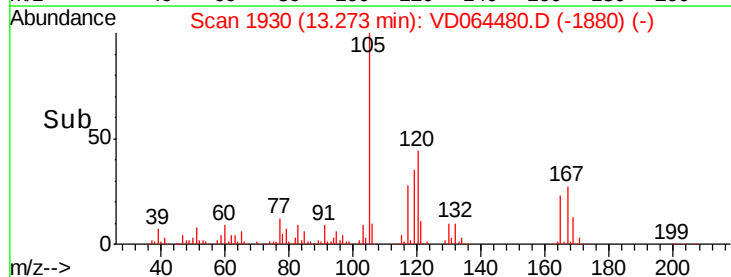
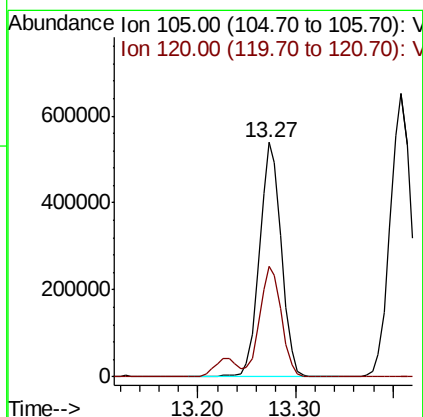
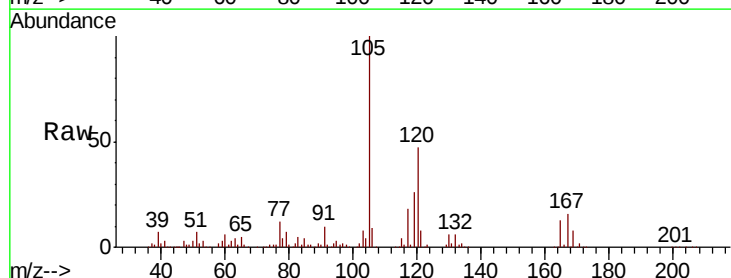
Instrument :
MSVOA_D
ClientSampleID :

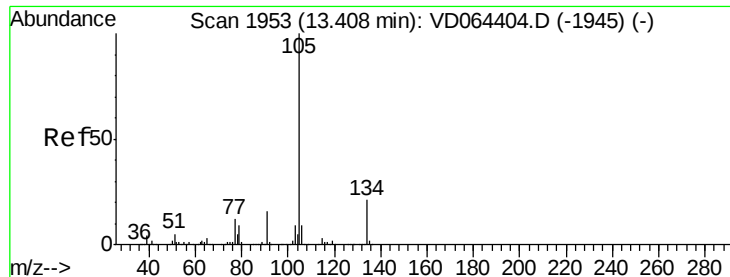
Tot Ion:119 Resp: 739718
Ion Ratio Lower Upper
119 100
91 60.8 31.2 93.6
134 27.6 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 50.407 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion:105 Resp: 850878
Ion Ratio Lower Upper
105 100
120 46.9 23.6 70.8





#85

sec-Butylbenzene

Concen: 49.746 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

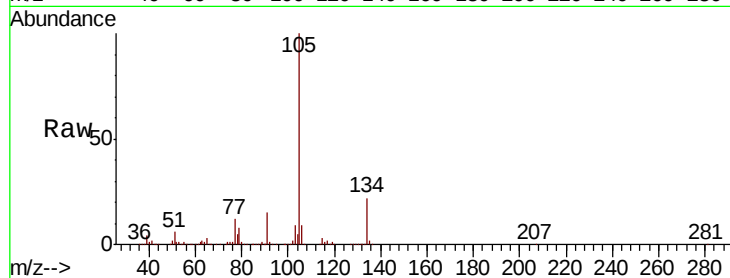
ClientSampleId :

Tot Ion:105 Resp: 996448

Ion Ratio Lower Upper

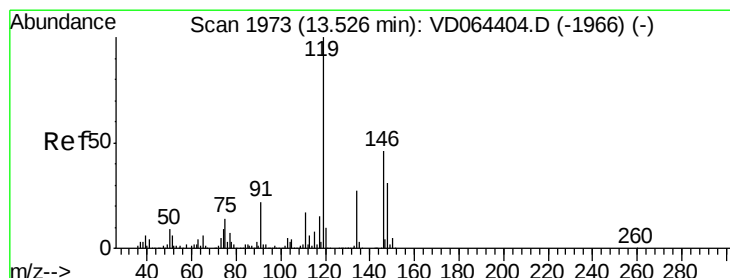
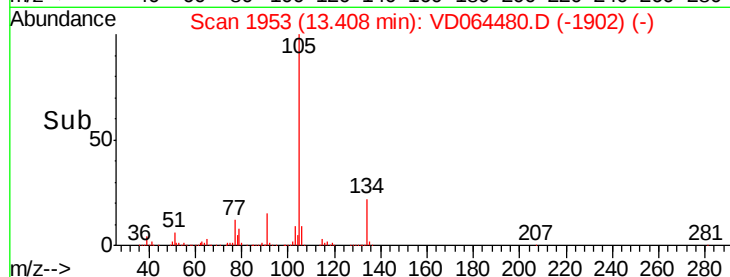
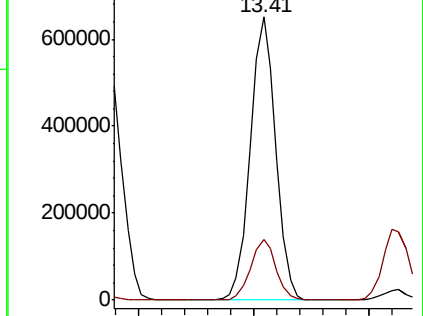
105 100

134 21.4 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: 50.455 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

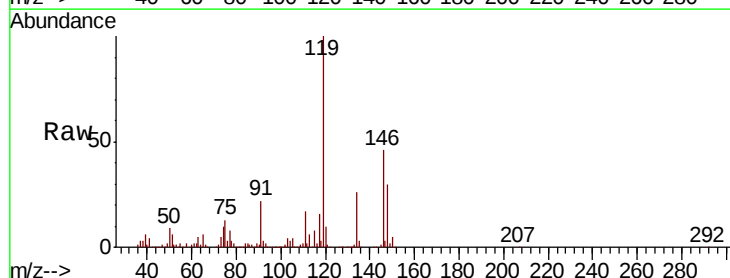
Tgt Ion:119 Resp: 954145

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

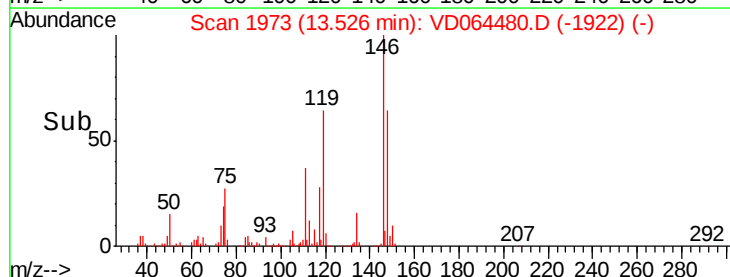
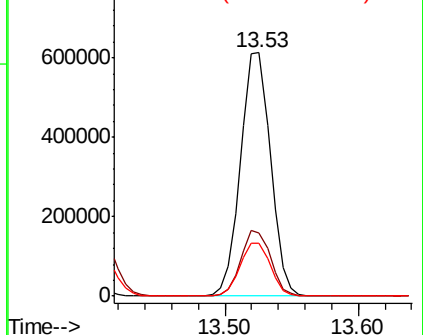
91 22.3 11.2 33.5

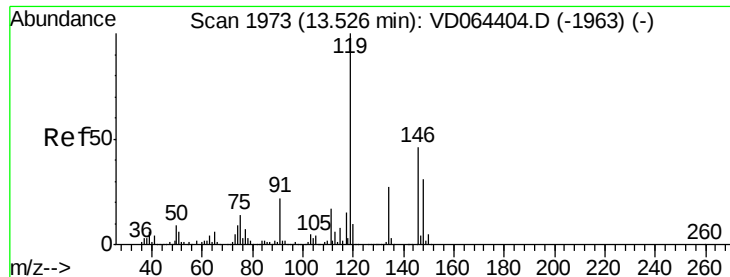


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.869 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

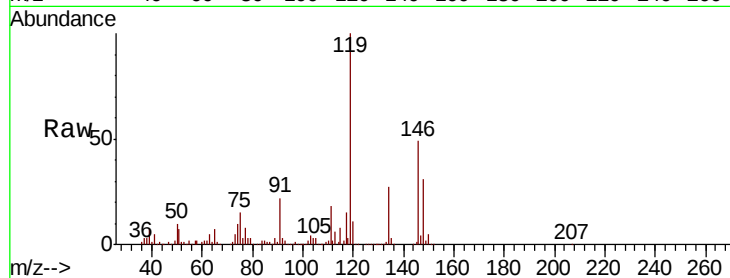
Tot Ion:146 Resp: 489787

Ion Ratio Lower Upper

146 100

111 36.6 18.8 56.4

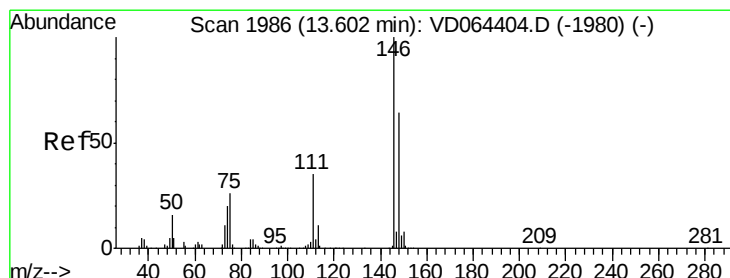
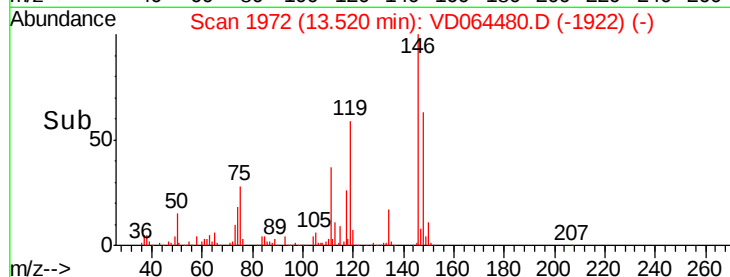
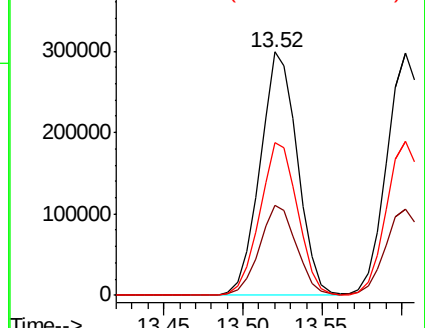
148 63.7 32.6 97.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.175 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

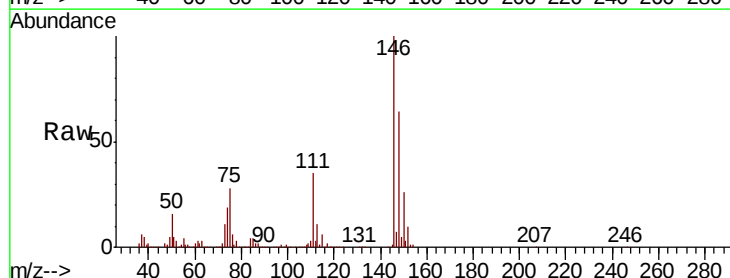
Tgt Ion:146 Resp: 486469

Ion Ratio Lower Upper

146 100

111 36.1 18.2 54.6

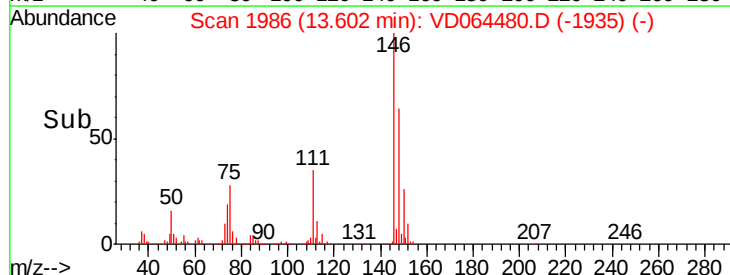
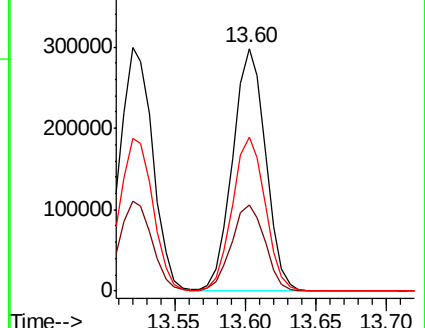
148 63.5 31.8 95.4

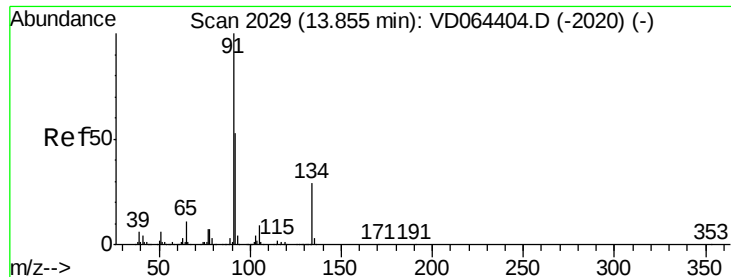


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 50.540 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

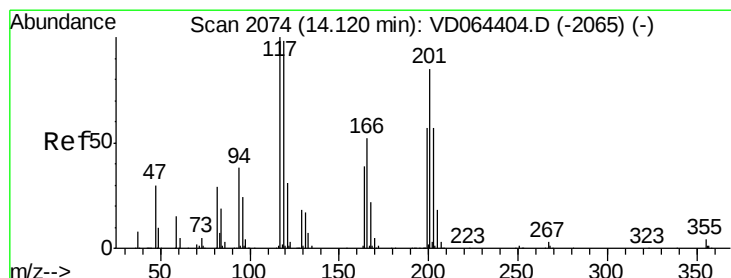
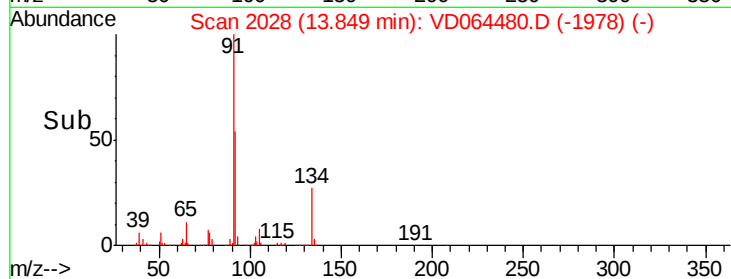
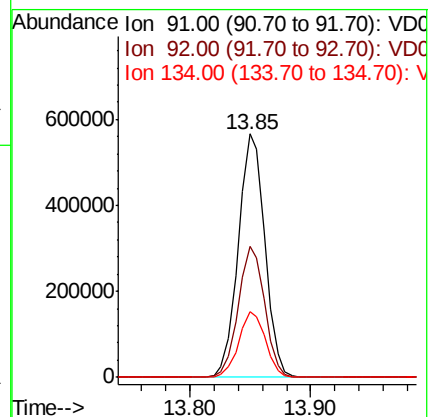
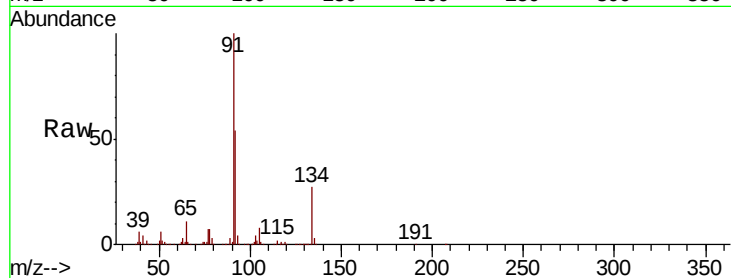
Tot Ion: 91 Resp: 867945

Ion Ratio Lower Upper

91 100

92 53.6 26.5 79.4

134 27.1 13.9 41.7



#90

Hexachloroethane

Concen: 51.167 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064480.D

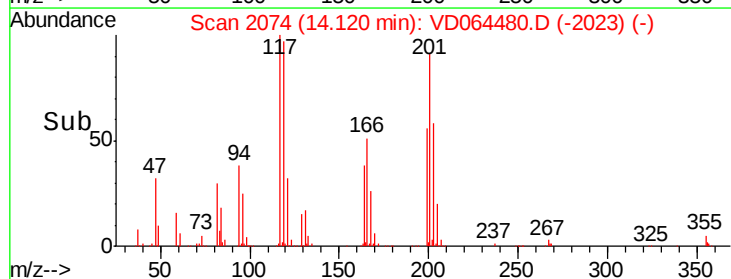
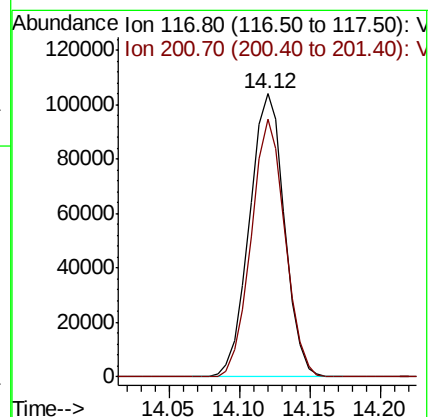
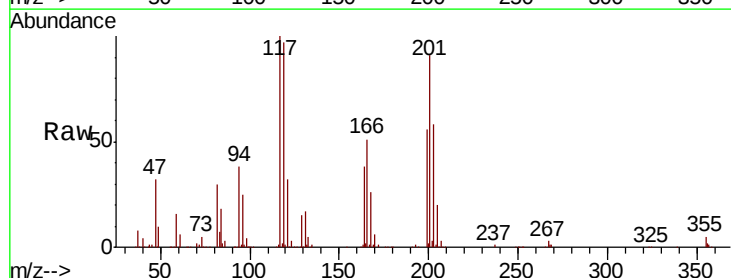
Acq: 09 Dec 2019 19:42

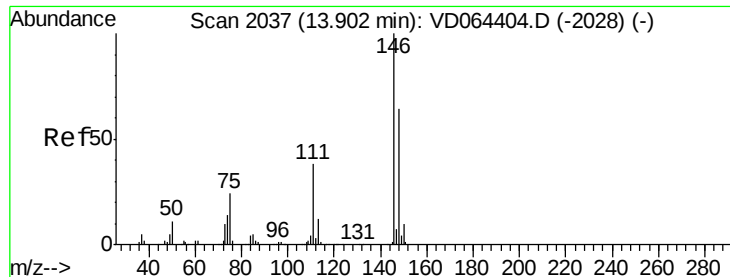
Tgt Ion: 117 Resp: 180980

Ion Ratio Lower Upper

117 100

201 88.1 44.3 132.8

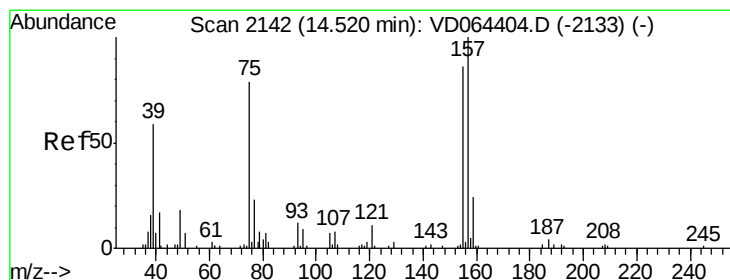
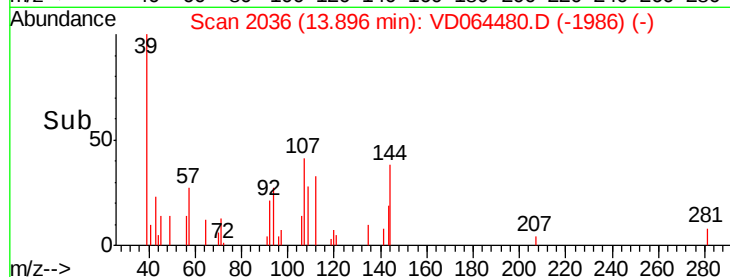
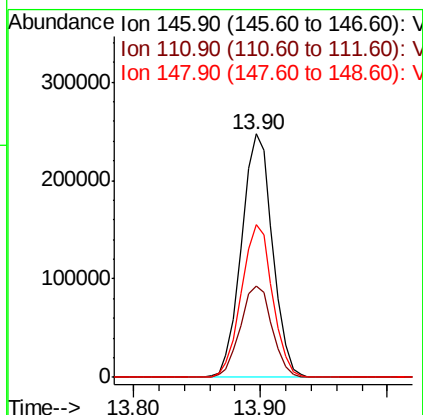
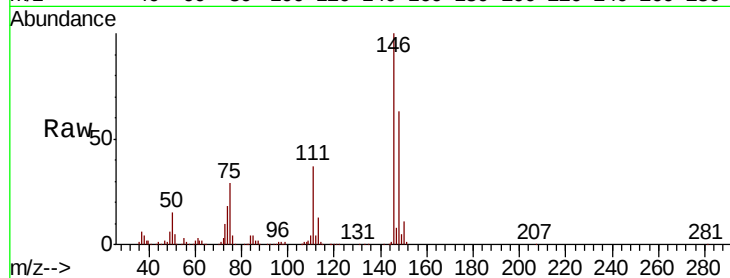




#91
 1,2-Dichlorobenzene
 Concen: 50.959 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

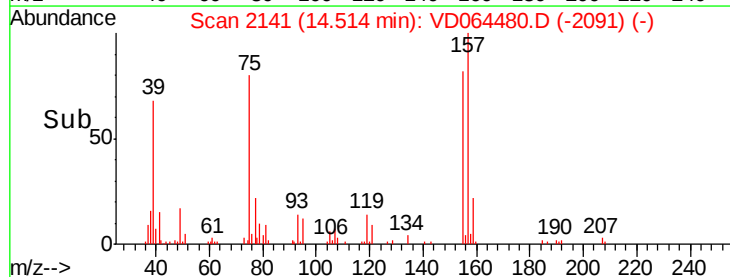
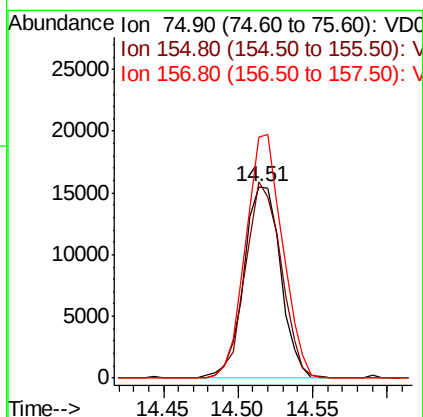
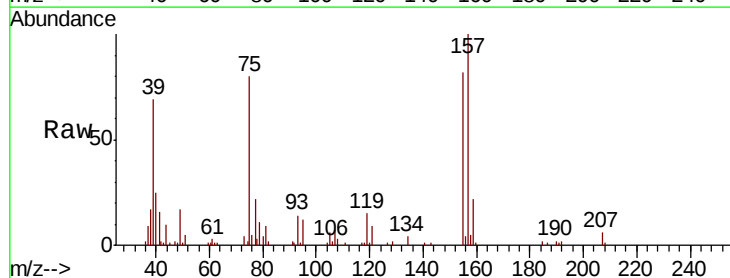
Instrument :
 MSVOA_D
 ClientSampleId :

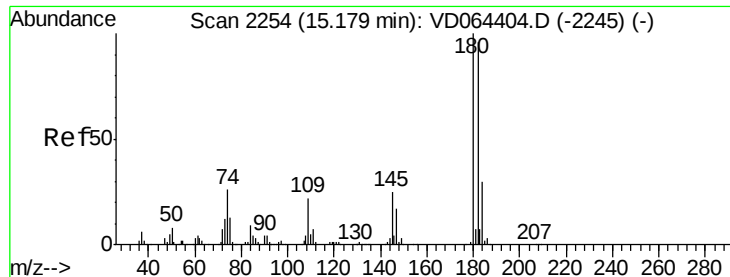
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.3
148	63.0	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.412 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	51.9	155.7
157	126.9	63.2	189.8

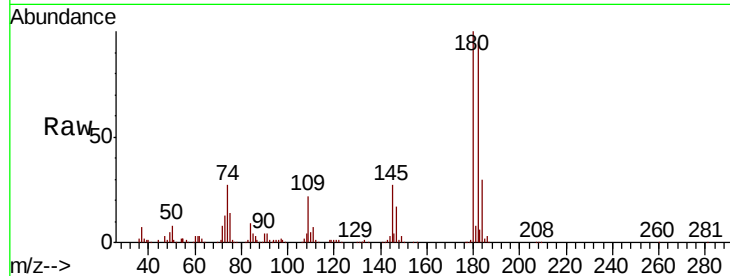




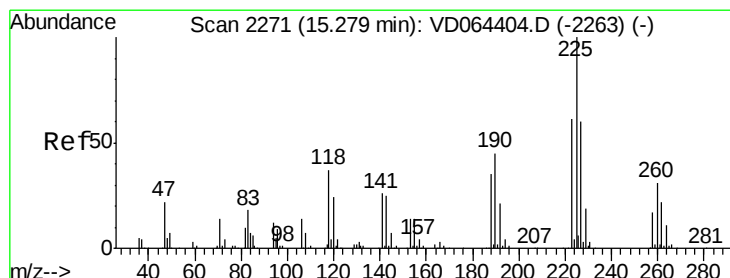
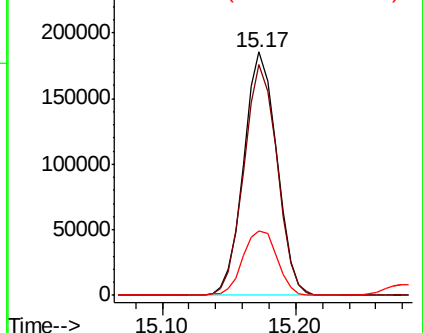
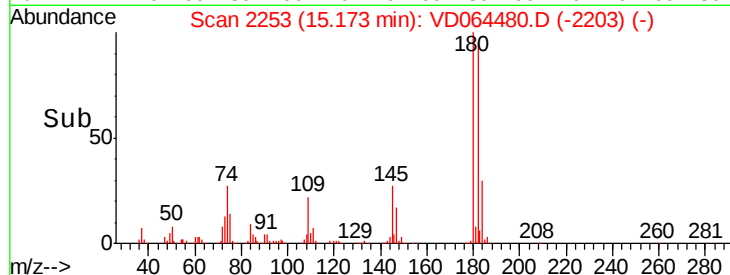
#93
 1,2,4-Trichlorobenzene
 Concen: 50.374 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.3
145	27.6	14.0	41.9

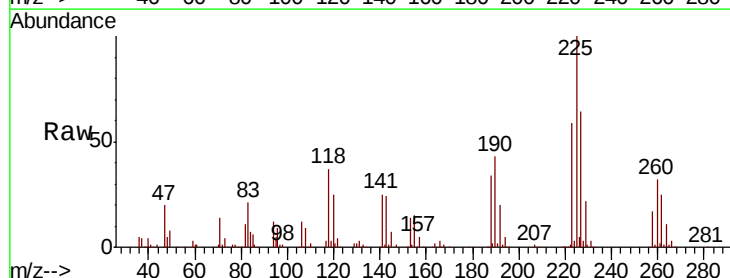


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

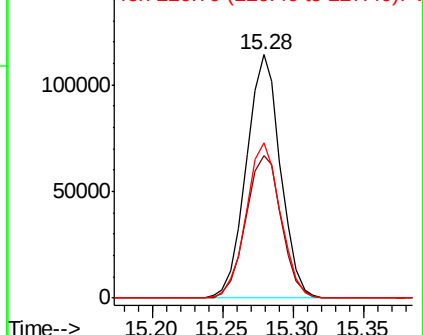
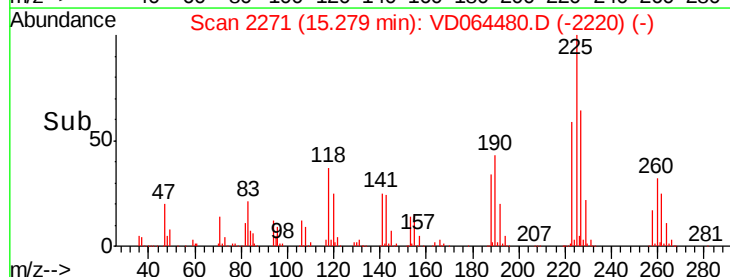


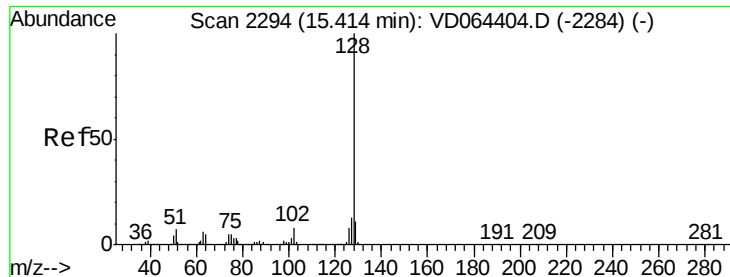
#94
 Hexachlorobutadiene
 Concen: 49.709 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.1	93.3
227	64.0	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: 49.904 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

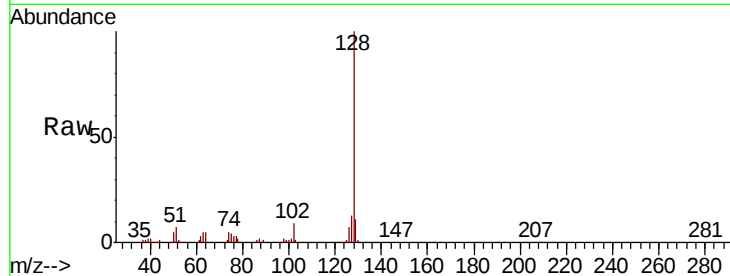
Tot Ion:128 Resp: 524841

Ion Ratio Lower Upper

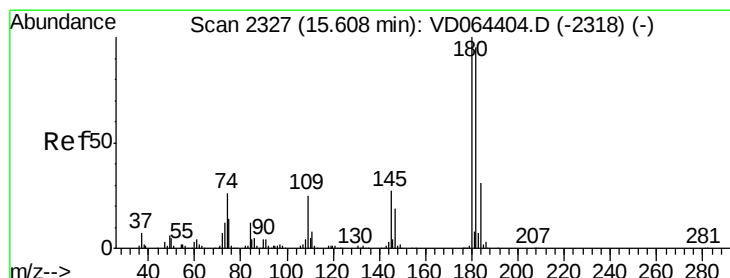
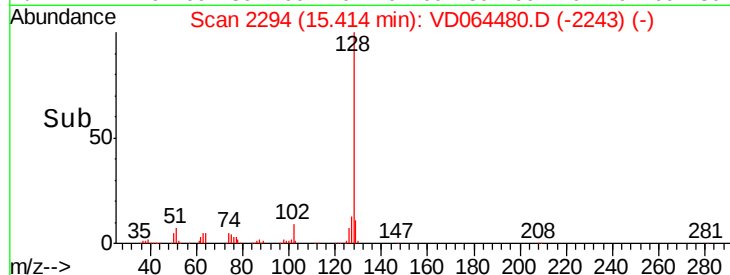
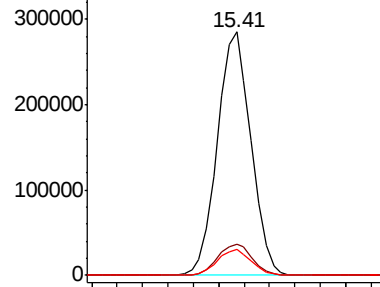
128 100

127 13.1 10.5 15.7

129 10.8 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 50.904 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

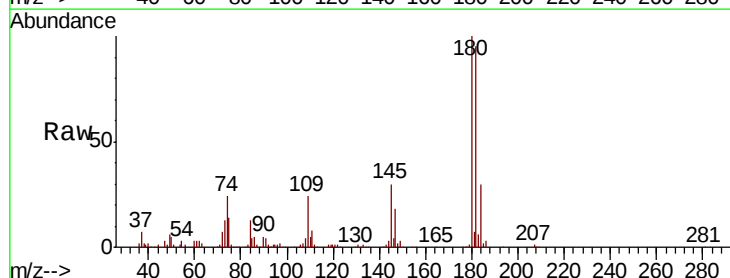
Tgt Ion:180 Resp: 273824

Ion Ratio Lower Upper

180 100

182 95.2 47.6 142.9

145 30.0 14.6 43.8



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

