

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064180.D
 Acq On : 11 Nov 2019 16:16
 Operator : VA/SY
 Sample : VD1111SBS01
 Misc : 5.89G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 02:48:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	625435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	907033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	795975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	393376	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	276751	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
35) Dibromofluoromethane	7.92	113	263274	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.34	98	997380	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.64	95	343802	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	97395	18.776	ug/l	98
3) Chloromethane	2.21	50	119505	21.479	ug/l	97
4) Vinyl Chloride	2.35	62	123425	20.744	ug/l	99
5) Bromomethane	2.76	94	82054	21.840	ug/l	95
6) Chloroethane	2.92	64	83186	21.880	ug/l	100
7) Trichlorofluoromethane	3.27	101	201703	20.909	ug/l	95
8) Diethyl Ether	3.71	74	53665	20.233	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	105150	19.071	ug/l	98
10) Methyl Iodide	4.29	142	100584	17.363	ug/l	97
11) Tert butyl alcohol	5.26	59	42266	117.643	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	102370	19.479	ug/l	94
13) Acrolein	3.92	56	29109	95.773	ug/l	98
14) Allyl chloride	4.70	41	188110	20.244	ug/l	99
15) Acrylonitrile	5.43	53	121849	107.759	ug/l	99
16) Acetone	4.17	43	113376	93.040	ug/l	94
17) Carbon Disulfide	4.40	76	327694	20.022	ug/l	99
18) Methyl Acetate	4.73	43	73495	21.594	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	261385	20.834	ug/l	96
20) Methylene Chloride	4.96	84	122998	19.982	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	118820	19.956	ug/l	97
22) Diisopropyl ether	6.37	45	348218	20.198	ug/l	97
23) Vinyl Acetate	6.31	43	1013079	105.416	ug/l	99
24) 1,1-Dichloroethane	6.26	63	204724	20.451	ug/l	97
25) 2-Butanone	7.22	43	164646	104.581	ug/l	95
26) 2,2-Dichloropropane	7.21	77	194771	19.840	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	131290	20.562	ug/l	97
28) Bromochloromethane	7.55	49	59776	17.152	ug/l	97
29) Tetrahydrofuran	7.57	42	104226	110.188	ug/l	99
30) Chloroform	7.71	83	214951	20.992	ug/l	93
31) Cyclohexane	7.98	56	188924	18.713	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	193404	19.726	ug/l	99
36) 1,1-Dichloropropene	8.11	75	157241	18.784	ug/l	97
37) Ethyl Acetate	7.30	43	76275	21.613	ug/l	99
38) Carbon Tetrachloride	8.10	117	171625	19.160	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064180.D
 Acq On : 11 Nov 2019 16:16
 Operator : VA/SY
 Sample : VD1111SBSD01
 Misc : 5.89G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 02:48:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	194409	18.353	ug/l	94
40) Benzene	8.35	78	445354	19.466	ug/l	98
41) Methacrylonitrile	7.53	41	46555	20.989	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	138321	20.130	ug/l	98
43) Isopropyl Acetate	8.46	43	153047	21.048	ug/l	99
44) Trichloroethene	9.11	130	132759	19.334	ug/l	98
45) 1,2-Dichloropropane	9.39	63	109437	19.653	ug/l	96
46) Dibromomethane	9.48	93	60577	20.320	ug/l	98
47) Bromodichloromethane	9.67	83	161884	20.160	ug/l	99
48) Methyl methacrylate	9.46	41	70176	19.737	ug/l	94
49) 1,4-Dioxane	9.47	88	15693	438.307	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	373011	106.974	ug/l	99
52) Toluene	10.41	92	290257	19.294	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	161780	20.110	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	186613	19.878	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	82342	20.361	ug/l	97
56) Ethyl methacrylate	10.67	69	114646	20.265	ug/l	98
57) 1,3-Dichloropropane	10.95	76	145304	20.602	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	248233	108.322	ug/l	100
59) 2-Hexanone	10.99	43	264435	106.595	ug/l	100
60) Dibromochloromethane	11.14	129	112342	19.908	ug/l	99
61) 1,2-Dibromoethane	11.25	107	83350	20.577	ug/l	98
64) Tetrachloroethene	10.88	164	116730	19.068	ug/l	97
65) Chlorobenzene	11.67	112	310642	19.192	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	116666	18.956	ug/l	97
67) Ethyl Benzene	11.75	91	562992	19.229	ug/l	98
68) m/p-Xylenes	11.86	106	427642	38.106	ug/l	100
69) o-Xylene	12.18	106	198438	19.066	ug/l	98
70) Styrene	12.20	104	345540	19.019	ug/l	99
71) Bromoform	12.37	173	72329	20.650	ug/l #	100
73) Isopropylbenzene	12.48	105	544564	18.860	ug/l	99
74) N-amyl acetate	12.29	43	143669	21.071	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	86556	19.895	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	123914	39.108	ug/l #	100
77) Bromobenzene	12.77	156	136146	19.409	ug/l	98
78) n-propylbenzene	12.83	91	625098	18.949	ug/l	100
79) 2-Chlorotoluene	12.91	91	354280	19.022	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	444796	18.748	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	32426	20.328	ug/l	98
82) 4-Chlorotoluene	13.01	91	374350	19.271	ug/l	98
83) tert-Butylbenzene	13.23	119	390473	18.664	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	438058	18.702	ug/l	99
85) sec-Butylbenzene	13.41	105	527909	18.788	ug/l	100
86) p-Isopropyltoluene	13.52	119	491945	18.416	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	246195	18.907	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	241430	18.997	ug/l	97
89) n-Butylbenzene	13.85	91	452176	18.736	ug/l	100
90) Hexachloroethane	14.11	117	91022	18.437	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	211712	19.209	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17153	22.051	ug/l	89

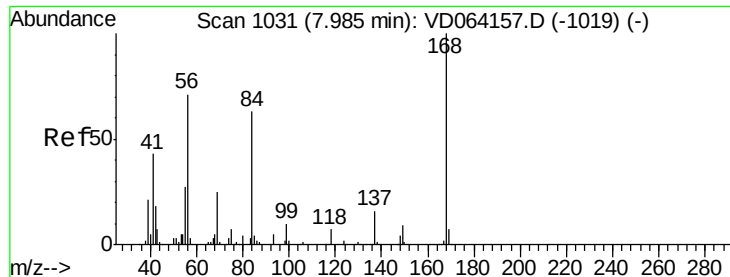
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
Data File : VD064180.D
Acq On : 11 Nov 2019 16:16
Operator : VA/SY
Sample : VD1111SBSD01
Misc : 5.89G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 12 02:48:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	159828	18.799	ug/l	96
94) Hexachlorobutadiene	15.27	225	101756	18.530	ug/l	99
95) Naphthalene	15.41	128	280895	20.155	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	138341	19.142	ug/l	99

(#) = 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. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

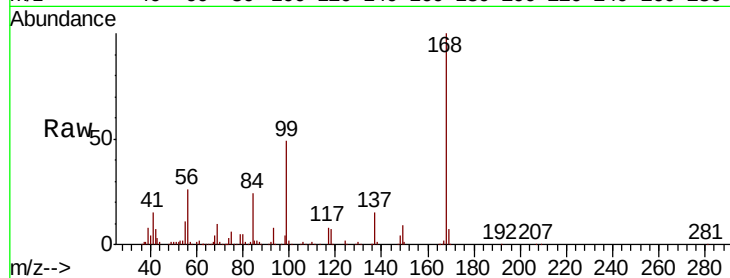
ClientSampleId :

Tot Ion:168 Resp: 625435

Ion Ratio Lower Upper

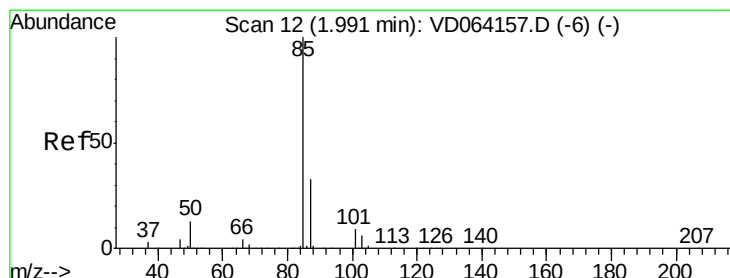
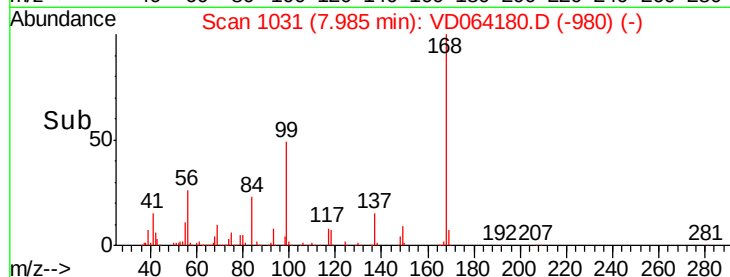
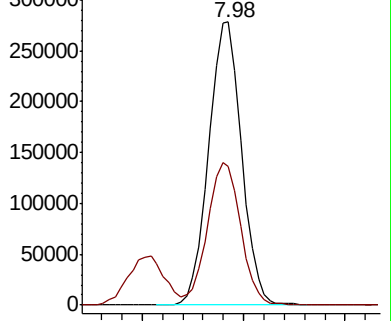
168 100

99 48.7 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.776 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064180.D

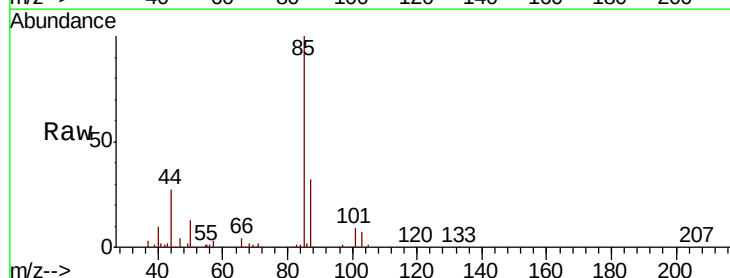
Acq: 11 Nov 2019 16:16

Tgt Ion: 85 Resp: 97395

Ion Ratio Lower Upper

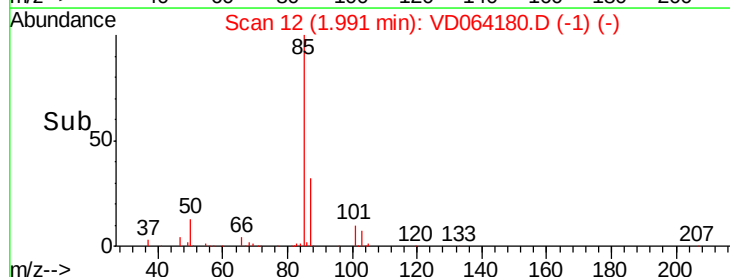
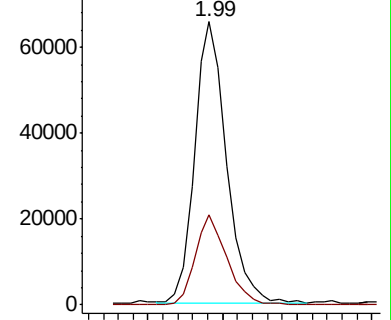
85 100

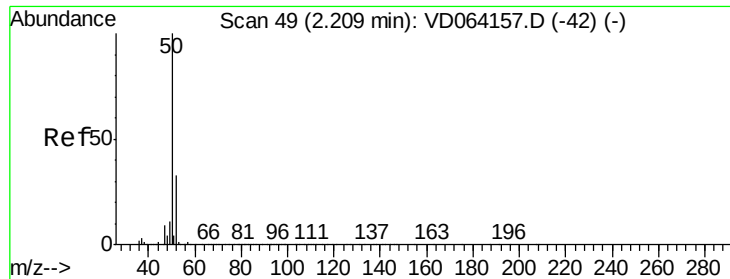
87 31.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.479 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

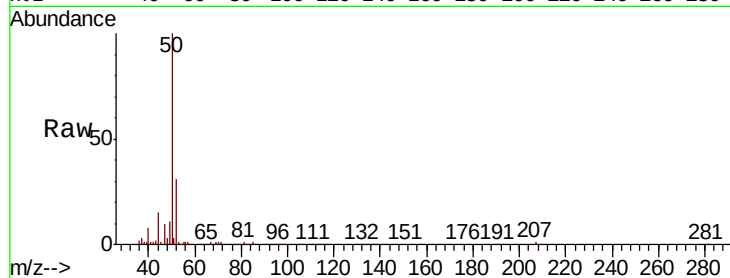
ClientSampleId :

Tot Ion: 50 Resp: 119505

Ion Ratio Lower Upper

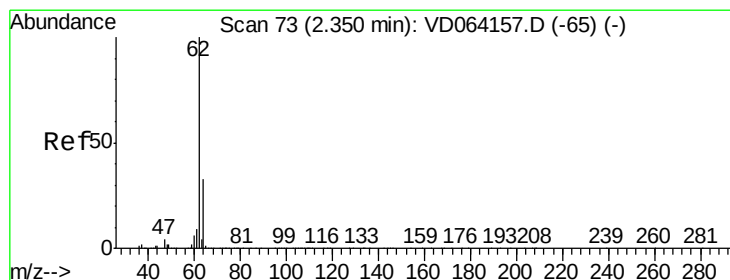
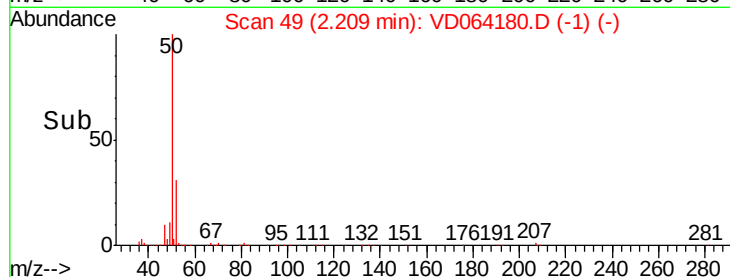
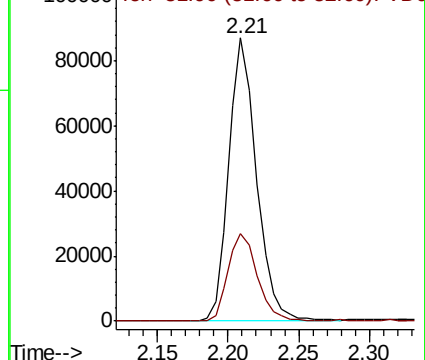
50 100

52 31.1 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.744 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064180.D

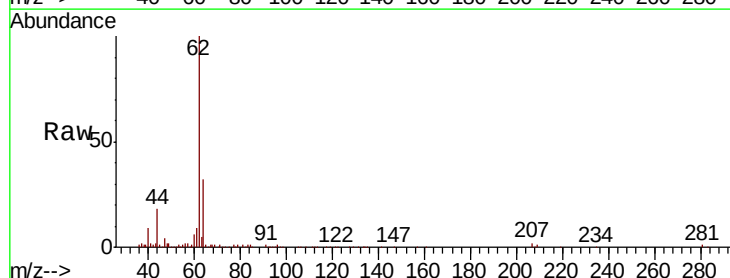
Acq: 11 Nov 2019 16:16

Tgt Ion: 62 Resp: 123425

Ion Ratio Lower Upper

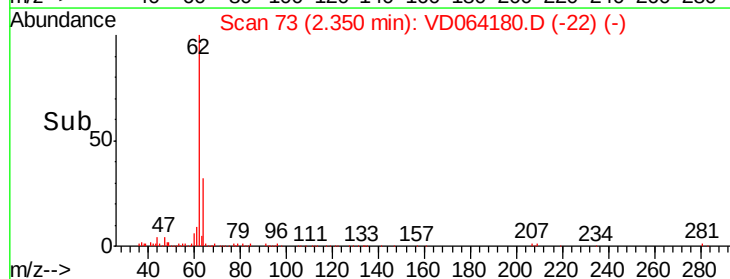
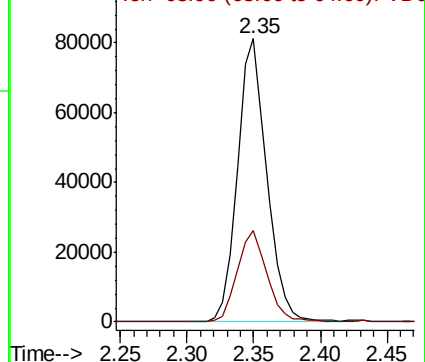
62 100

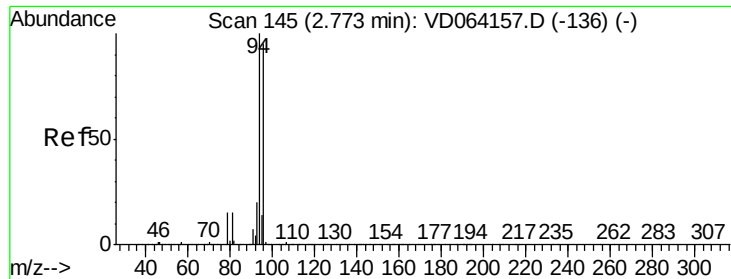
64 32.3 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.840 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

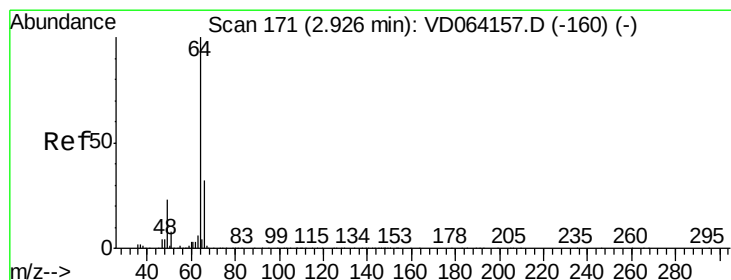
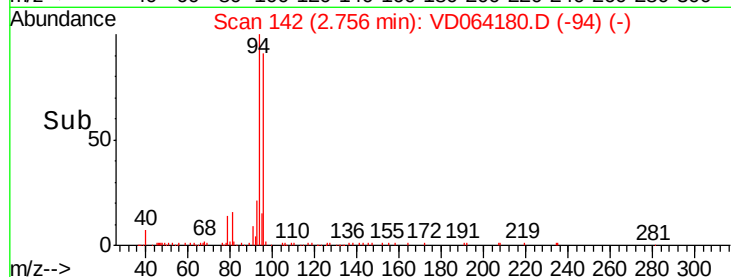
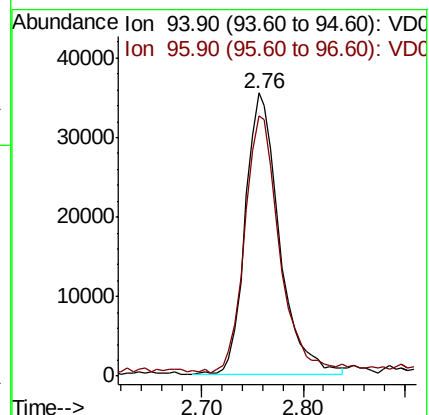
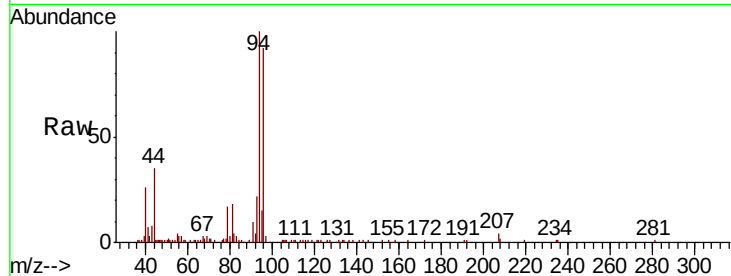
ClientSampleId :

Tot Ion: 94 Resp: 82054

Ion Ratio Lower Upper

94 100

96 90.6 76.2 114.4



#6

Chloroethane

Concen: 21.880 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064180.D

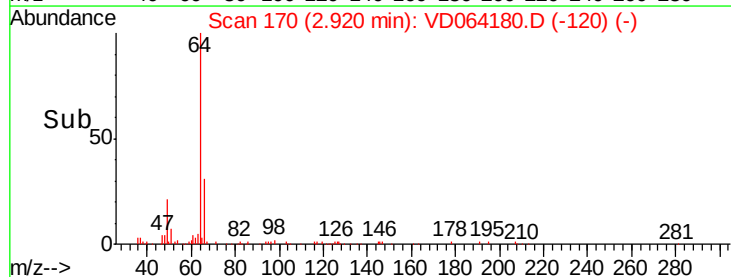
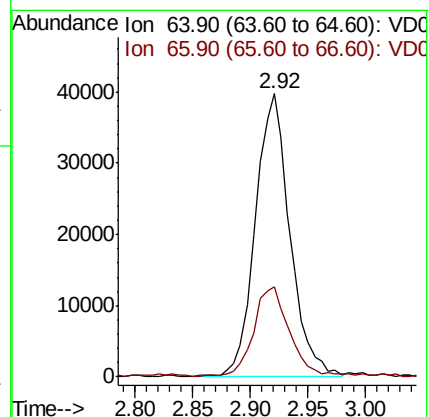
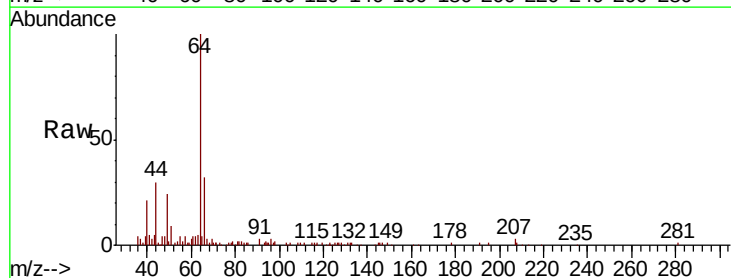
Acq: 11 Nov 2019 16:16

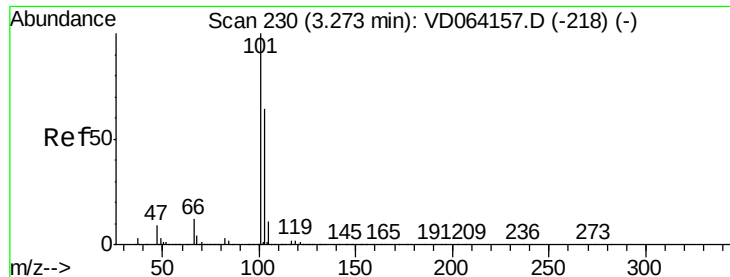
Tgt Ion: 64 Resp: 83186

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3



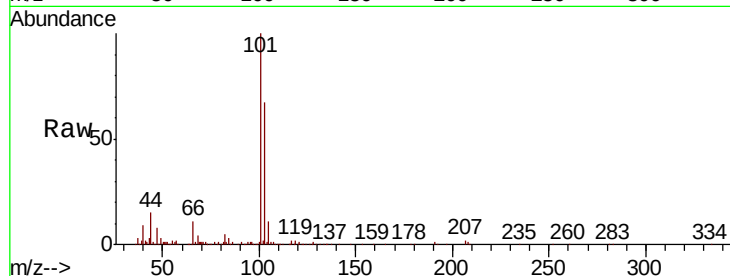


#7

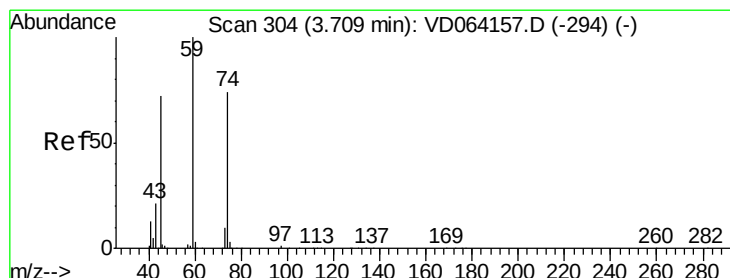
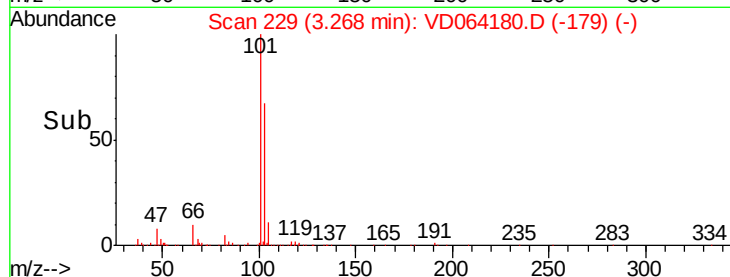
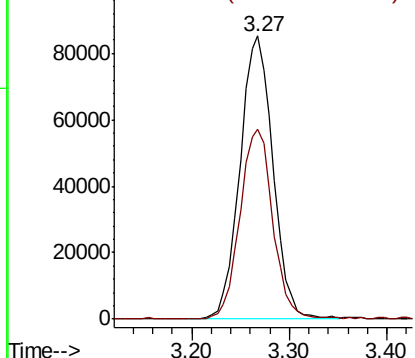
Trichlorofluoromethane
Concen: 20.909 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 201703
Ion Ratio Lower Upper
101 100
103 67.0 50.8 76.2



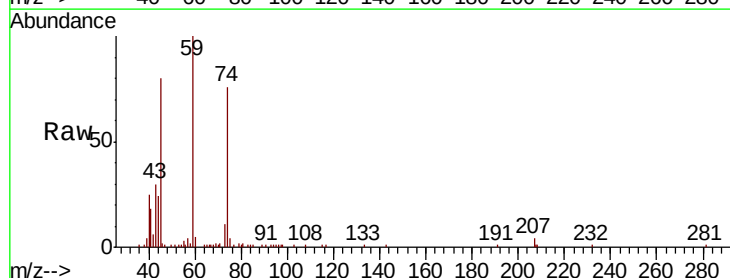
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



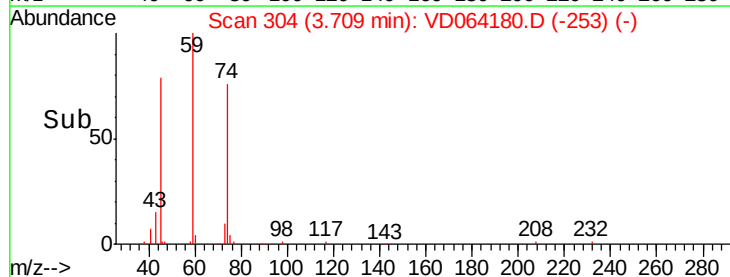
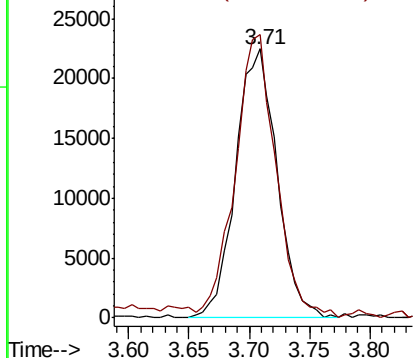
#8

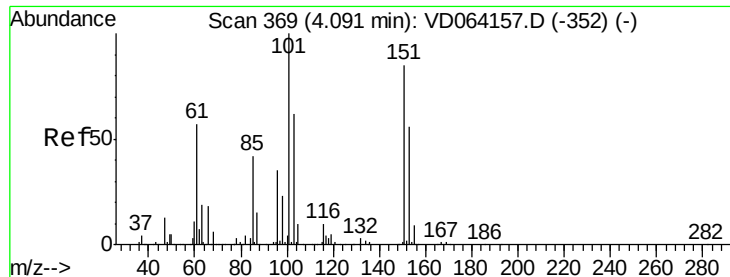
Diethyl Ether
Concen: 20.233 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion: 74 Resp: 53665
Ion Ratio Lower Upper
74 100
45 104.2 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.071 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

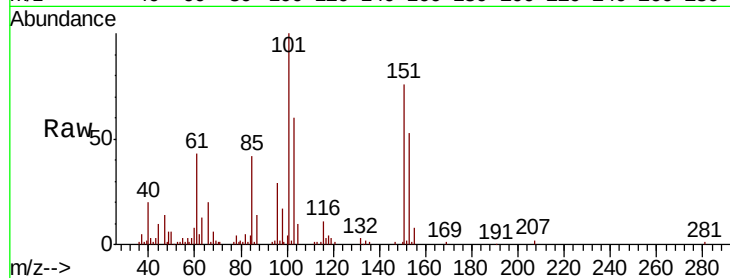
Tot Ion:101 Resp: 105150

Ion Ratio Lower Upper

101 100

85 44.6 34.4 51.6

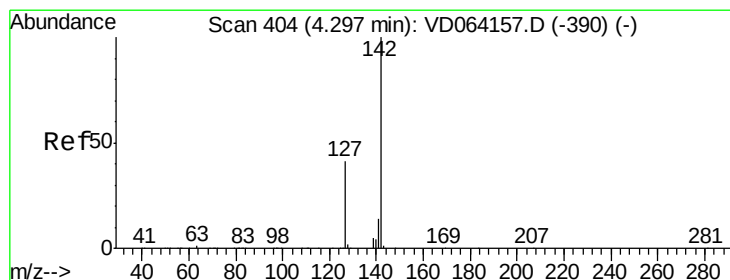
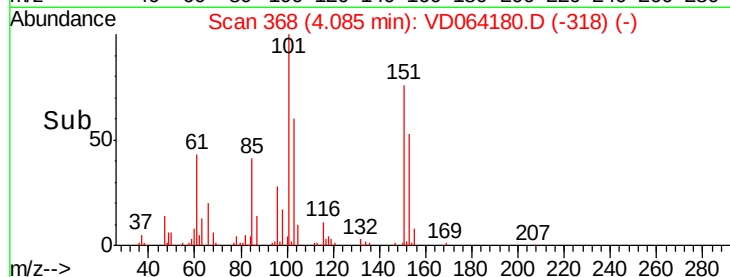
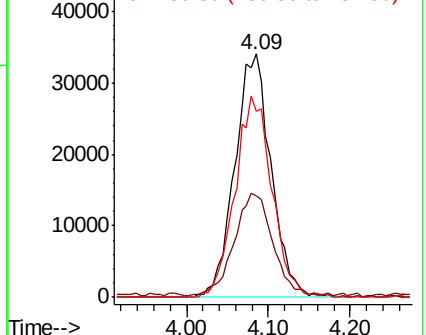
151 84.2 68.1 102.1



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: 17.363 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

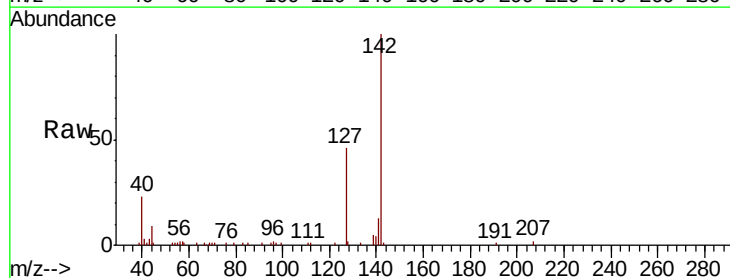
Tgt Ion:142 Resp: 100584

Ion Ratio Lower Upper

142 100

127 44.8 34.4 51.6

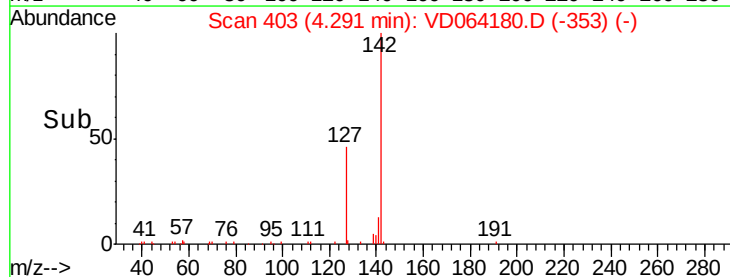
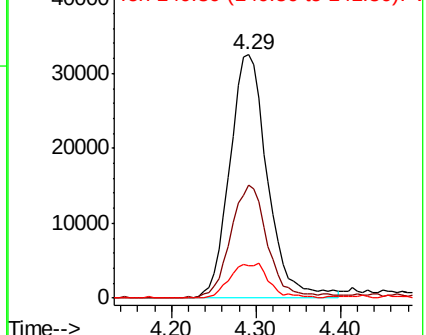
141 14.6 11.2 16.8

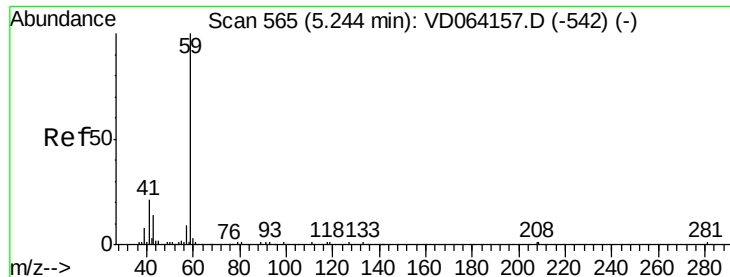


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

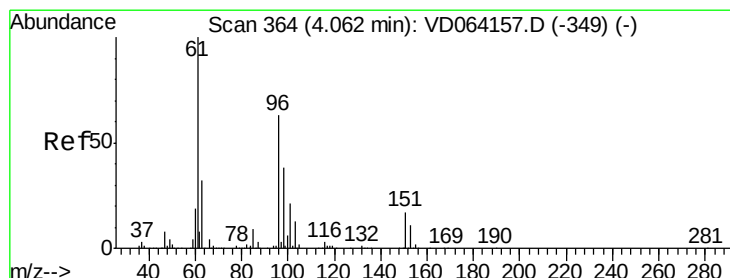
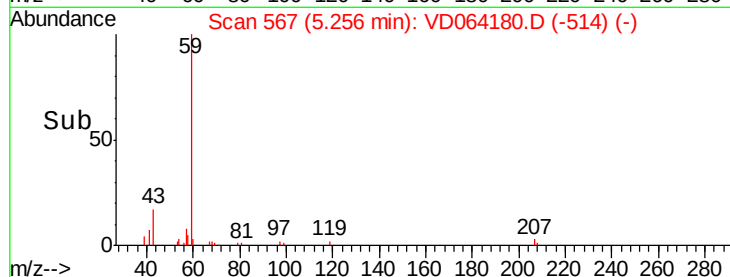
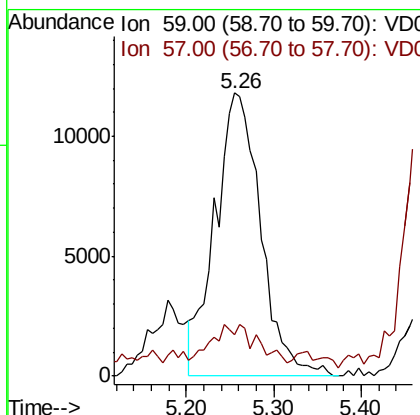
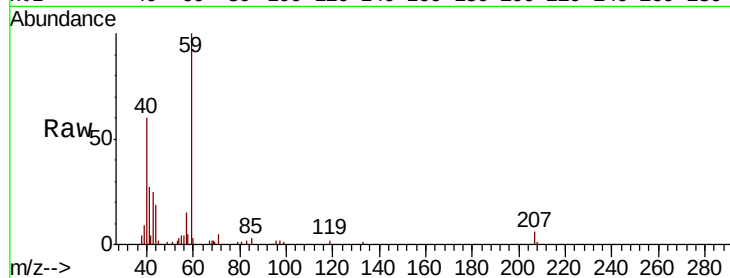




#11
Tert butyl alcohol
Concen: 117.643 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

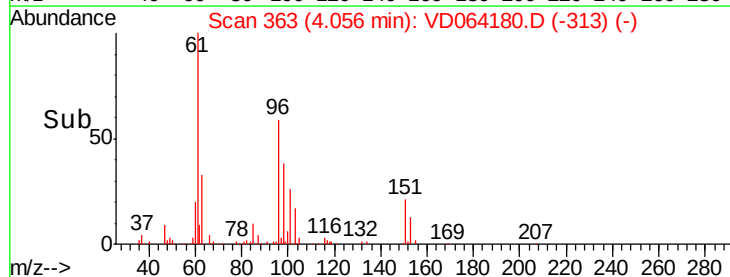
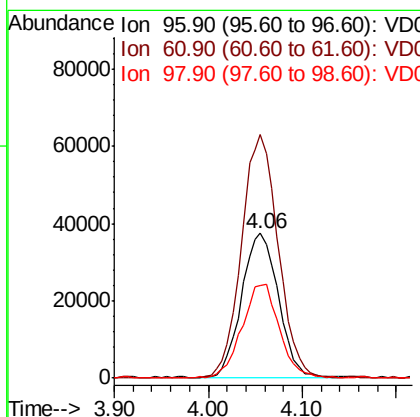
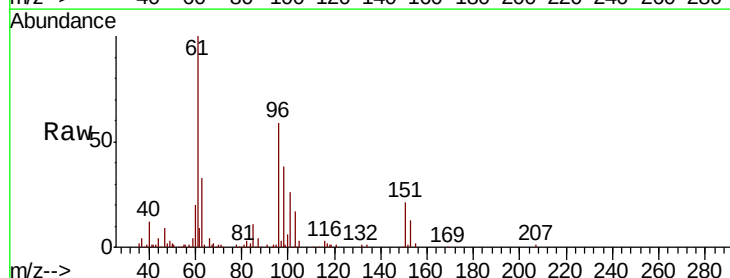
Instrument :
MSVOA_D
ClientSampled :

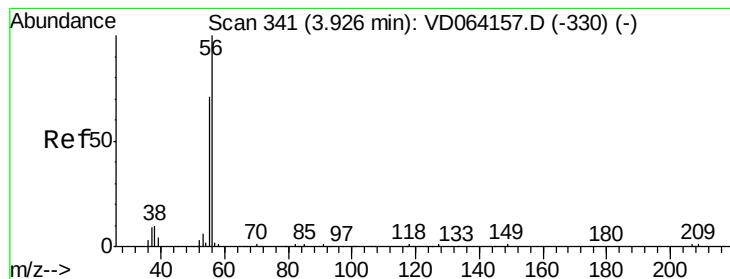
Tot Ion: 59 Resp: 42266
Ion Ratio Lower Upper
59 100
57 6.1 9.4 14.2#



#12
1,1-Dichloroethene
Concen: 19.479 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion: 96 Resp: 102370
Ion Ratio Lower Upper
96 100
61 168.4 127.4 191.2
98 63.6 48.1 72.1





#13

Acrolein

Concen: 95.773 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

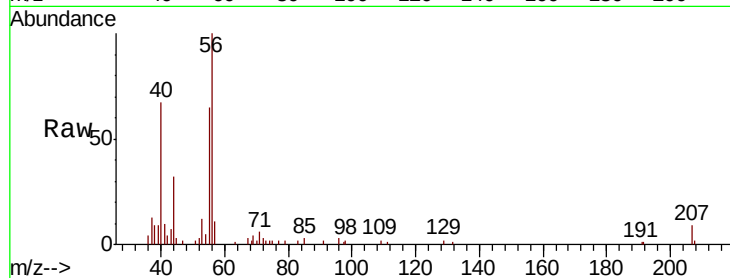
ClientSampleId :

Tot Ion: 56 Resp: 29109

Ion Ratio Lower Upper

56 100

55 71.8 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

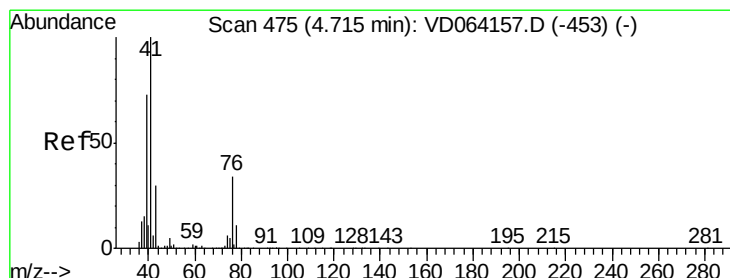
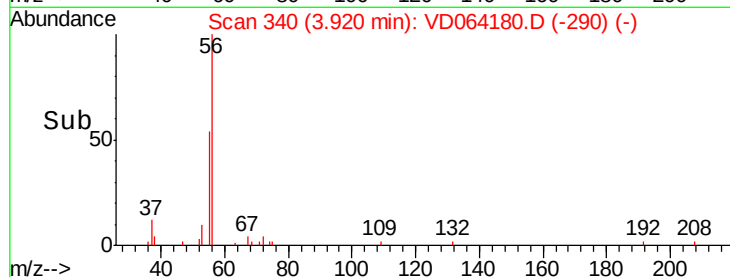
10000

5000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 20.244 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

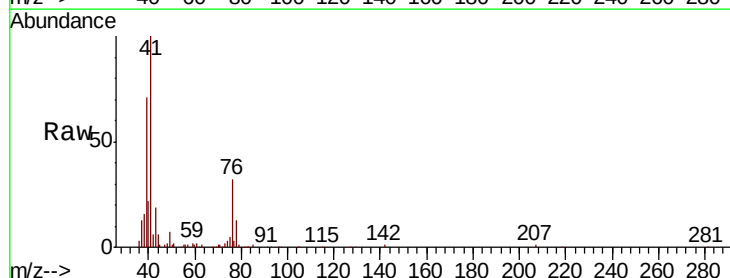
Tgt Ion: 41 Resp: 188110

Ion Ratio Lower Upper

41 100

39 72.4 57.5 86.3

76 34.4 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.70

80000

60000

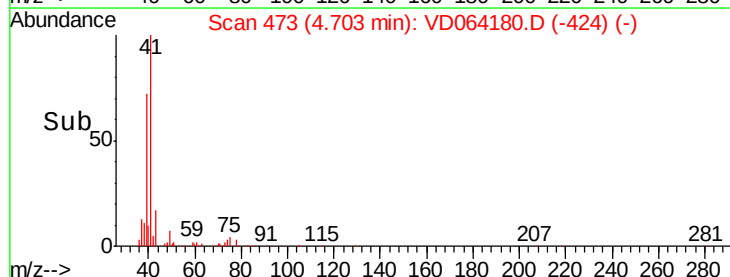
40000

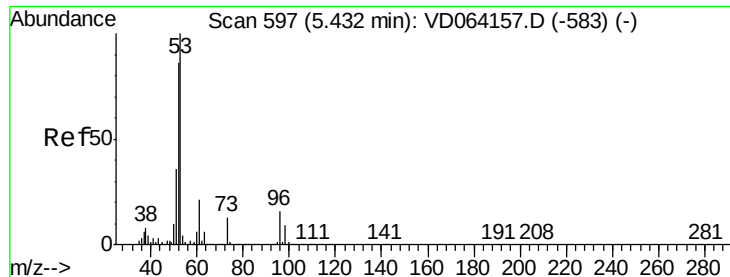
20000

0

Time-->

4.60 4.70 4.80





#15

Acrylonitrile

Concen: 107.759 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

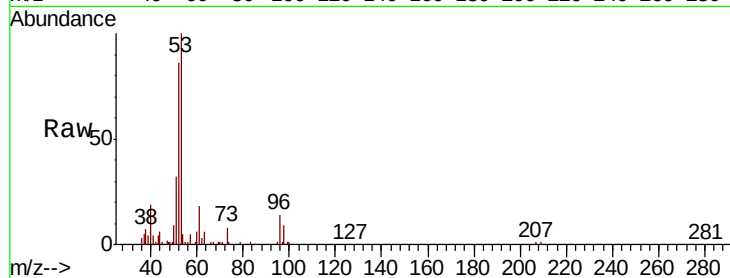
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 53 Resp: 121849

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.7	100.1
51	37.6	30.6	46.0

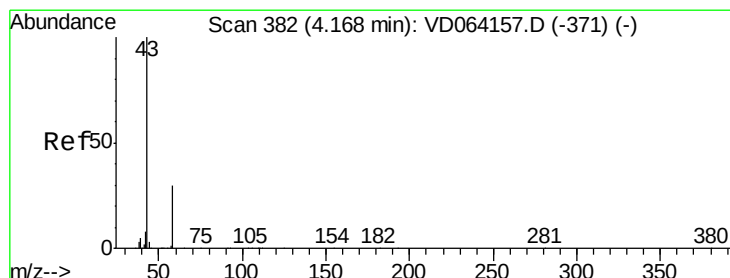
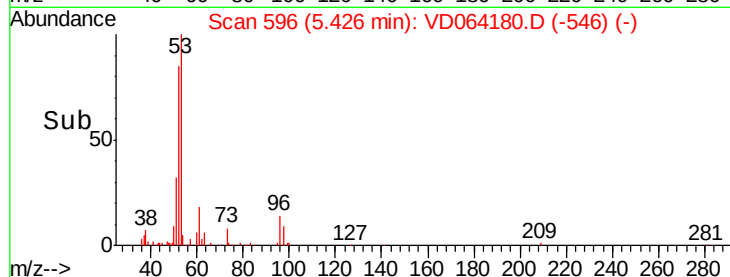
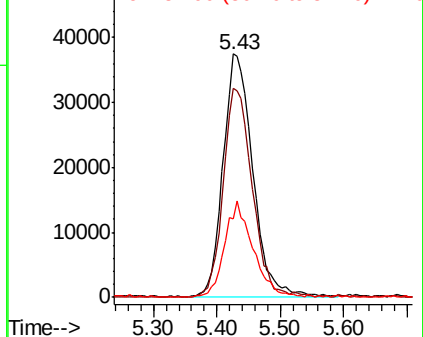


Abundance

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: 93.040 ug/l

RT: 4.17 min Scan# 382

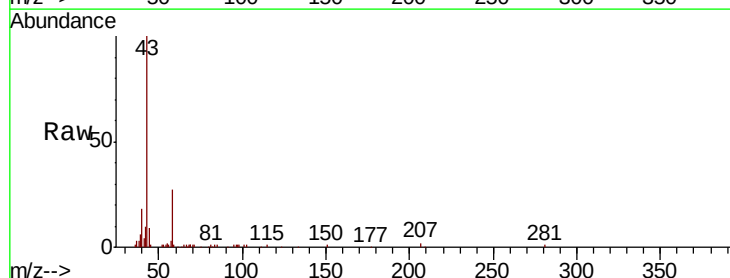
Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Tgt Ion: 43 Resp: 113376

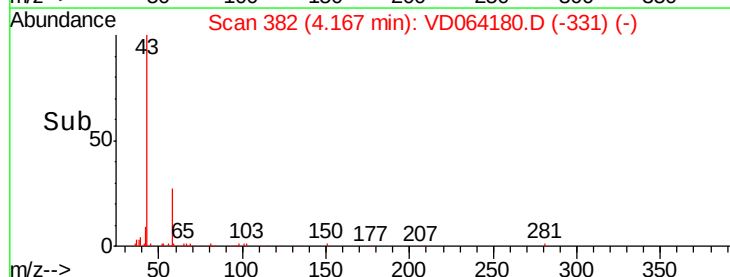
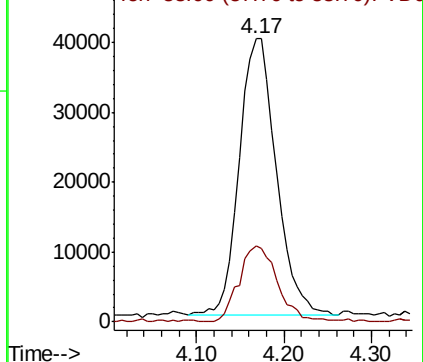
Ion	Ratio	Lower	Upper
43	100		
58	26.9	24.1	36.1

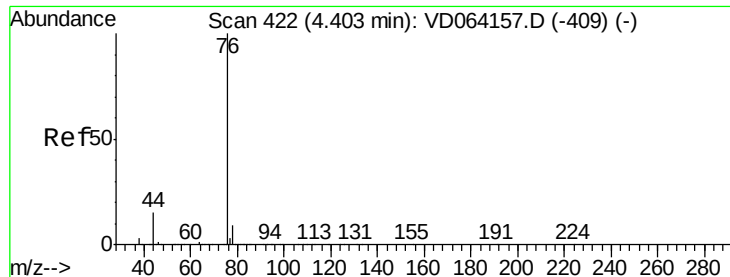


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 20.022 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

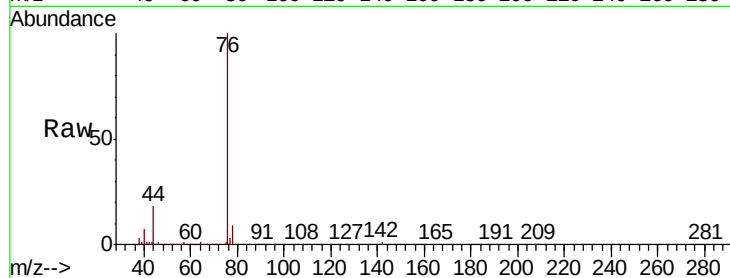
ClientSampled :

Tot Ion: 76 Resp: 327694

Ion Ratio Lower Upper

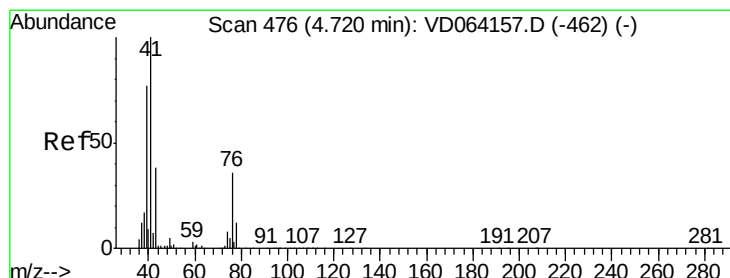
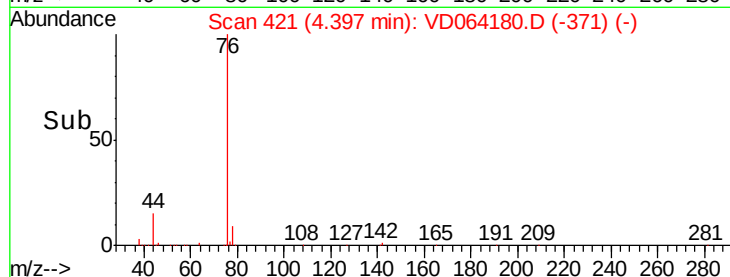
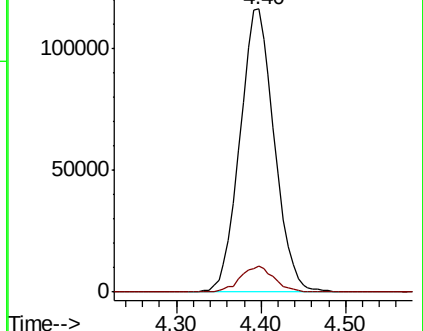
76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.594 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064180.D

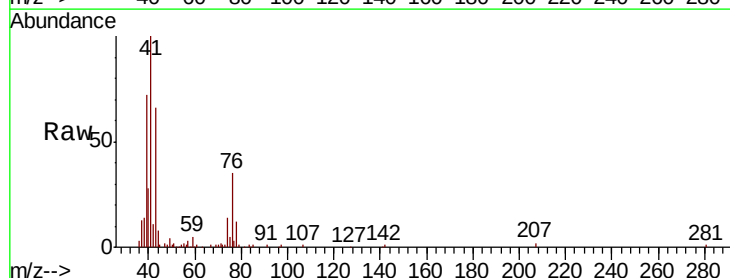
Acq: 11 Nov 2019 16:16

Tgt Ion: 43 Resp: 73495

Ion Ratio Lower Upper

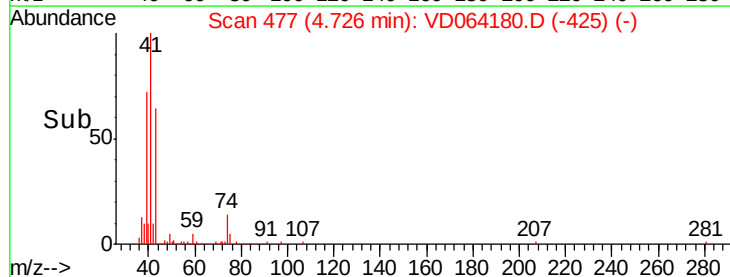
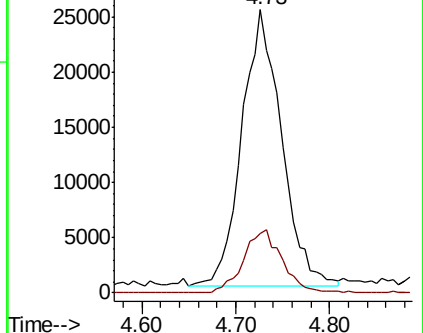
43 100

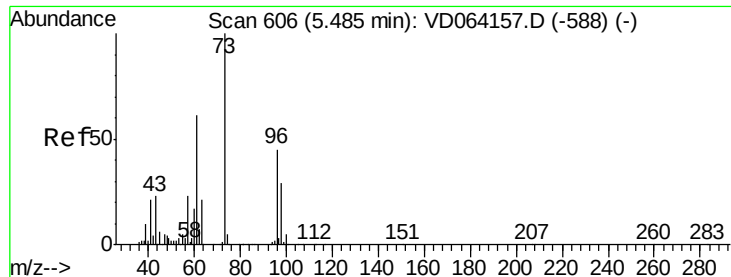
74 22.3 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

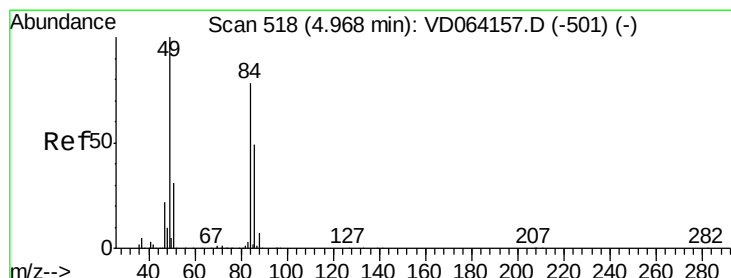
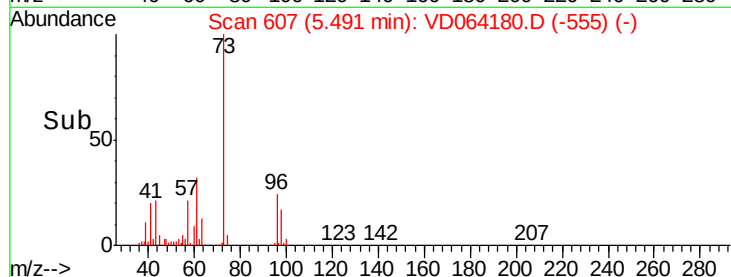
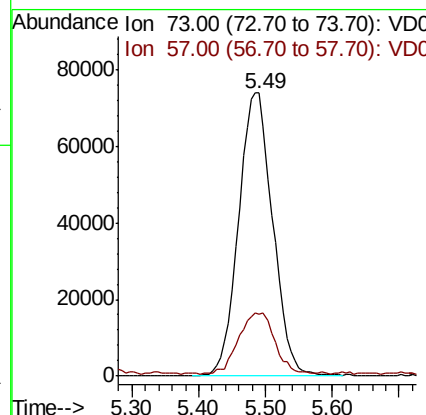
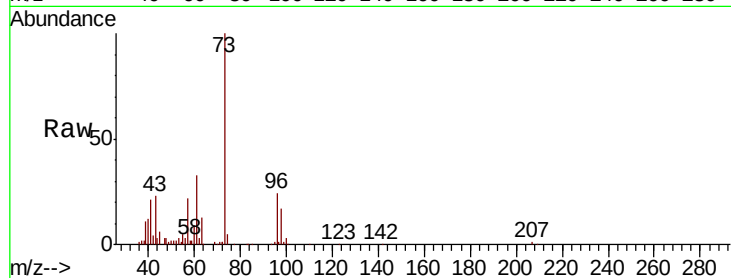




#19
Methyl tert-butyl Ether
Concen: 20.834 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

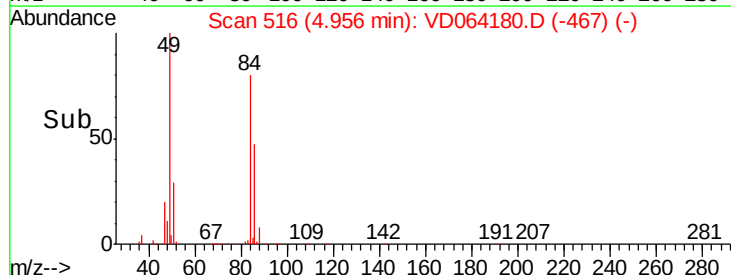
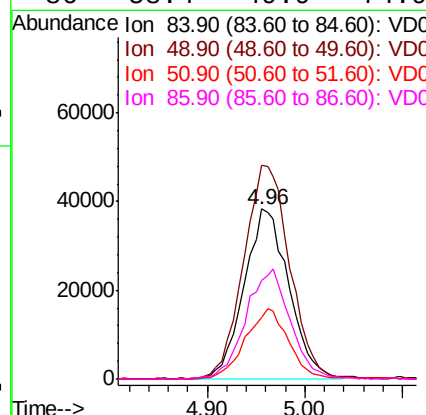
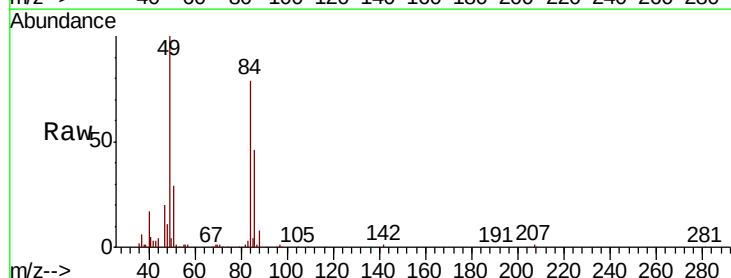
Instrument :
MSVOA_D
ClientSampled :

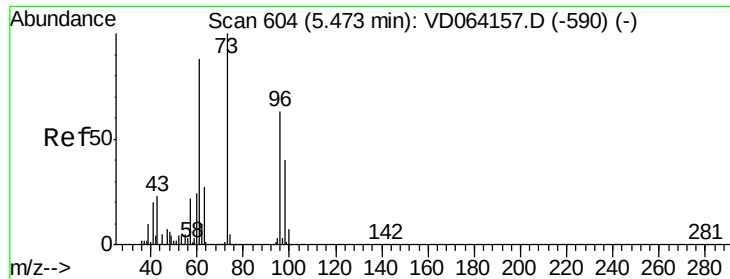
Tot Ion: 73 Resp: 261385
Ion Ratio Lower Upper
73 100
57 21.0 18.4 27.6



#20
Methylene Chloride
Concen: 19.982 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion: 84 Resp: 122998
Ion Ratio Lower Upper
84 100
49 125.9 102.1 153.1
51 35.4 32.2 48.2
86 58.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.956 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampled :

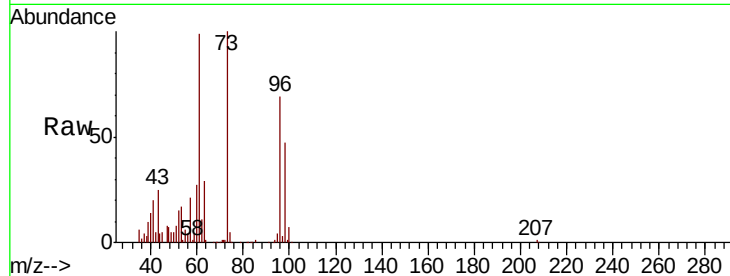
Tot Ion: 96 Resp: 118820

Ion Ratio Lower Upper

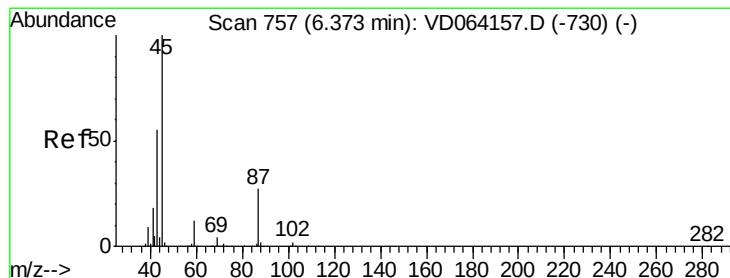
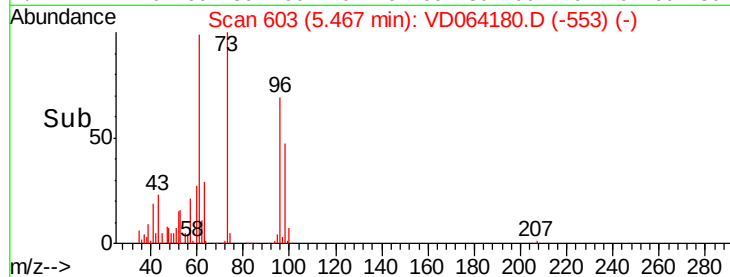
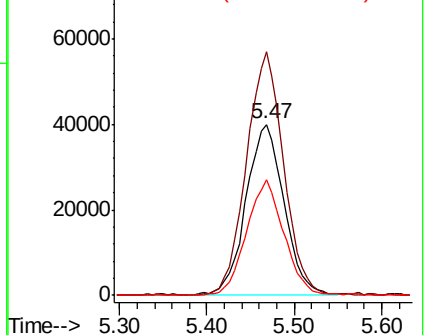
96 100

61 142.3 111.8 167.6

98 66.8 50.3 75.5



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: 20.198 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Tgt Ion: 45 Resp: 348218

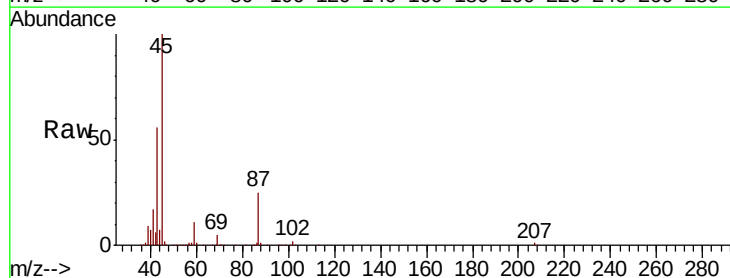
Ion Ratio Lower Upper

45 100

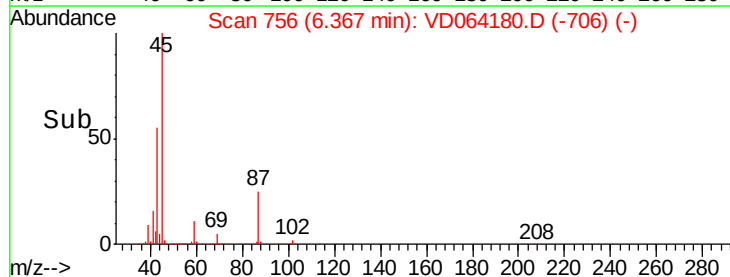
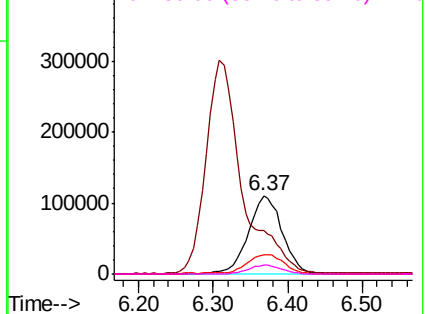
43 54.2 44.4 66.6

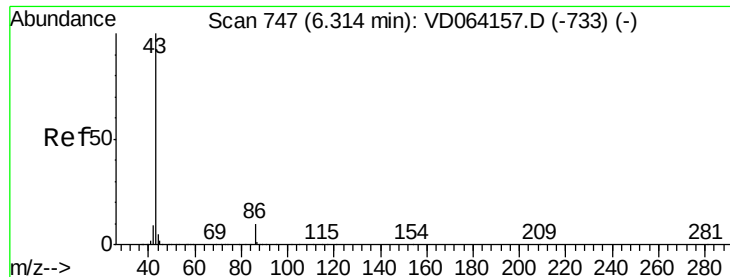
87 25.0 21.9 32.9

59 11.2 9.4 14.2



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: 105.416 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

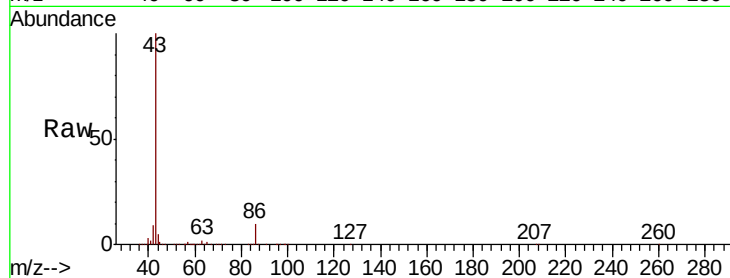
ClientSampleId :

Tot Ion: 43 Resp: 1013079

Ion Ratio Lower Upper

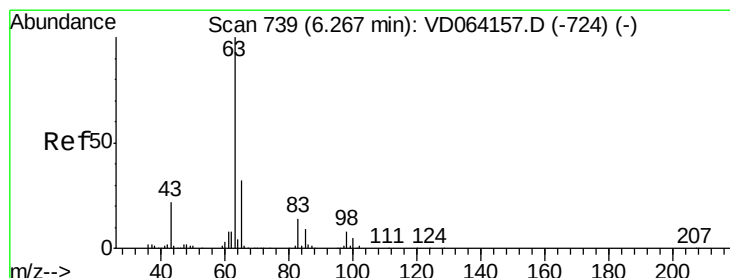
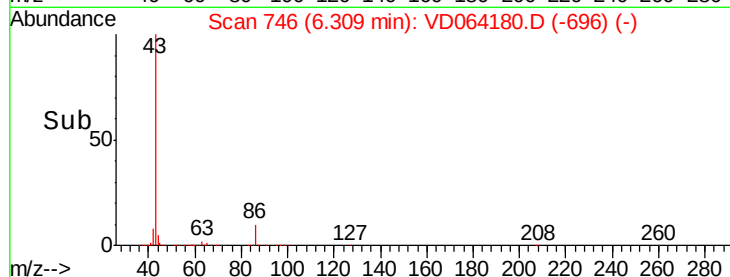
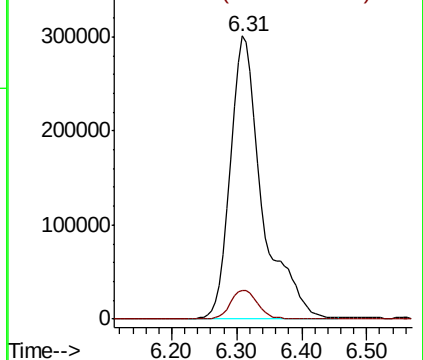
43 100

86 9.9 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.451 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

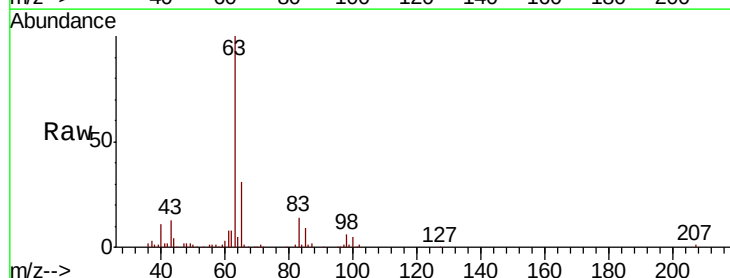
Tgt Ion: 63 Resp: 204724

Ion Ratio Lower Upper

63 100

98 6.1 3.8 11.4

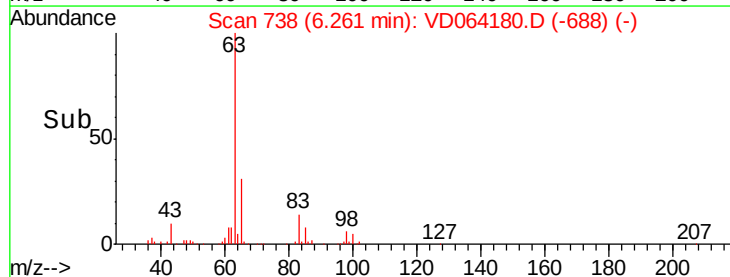
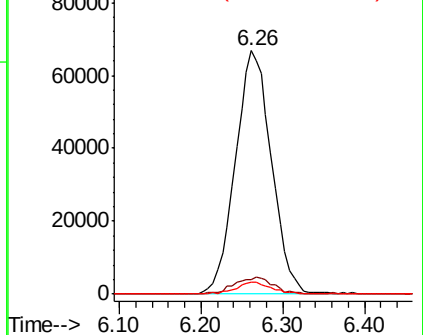
100 4.8 2.4 7.2

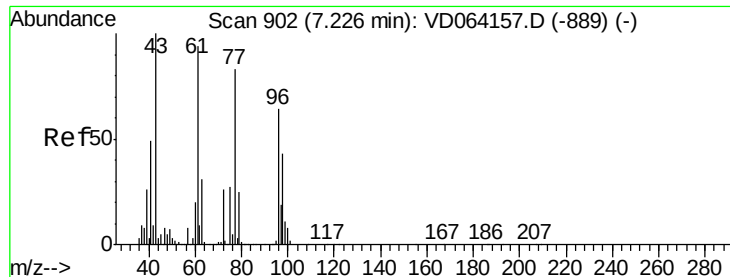


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 104.581 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

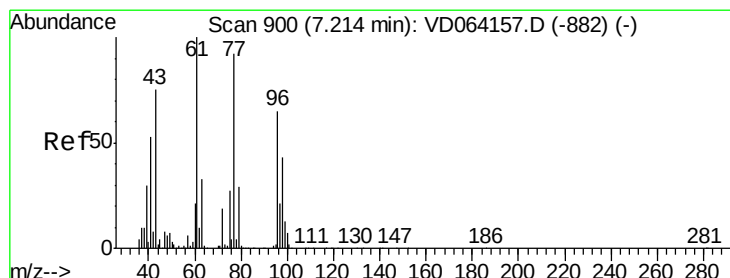
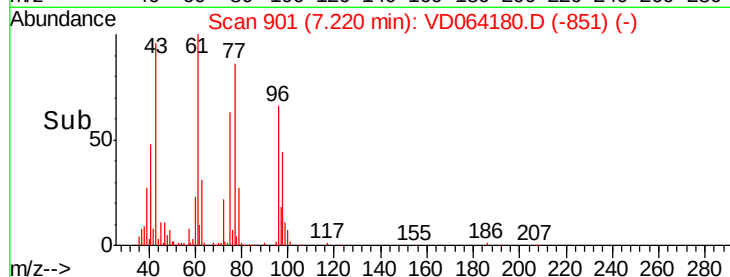
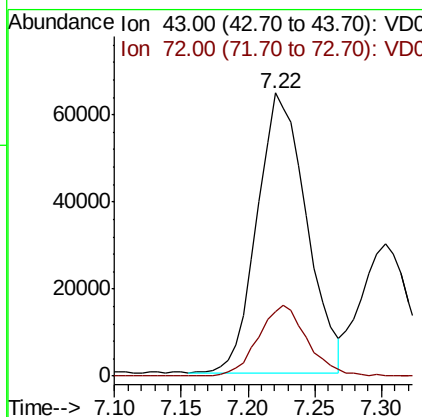
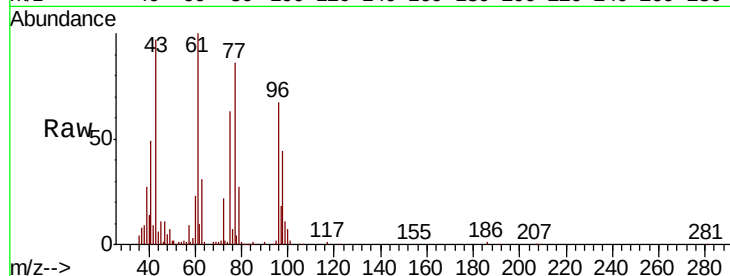
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 164646

Ion Ratio Lower Upper

43 100

72 23.3 20.6 30.8



#26

2,2-Dichloropropane

Concen: 19.840 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064180.D

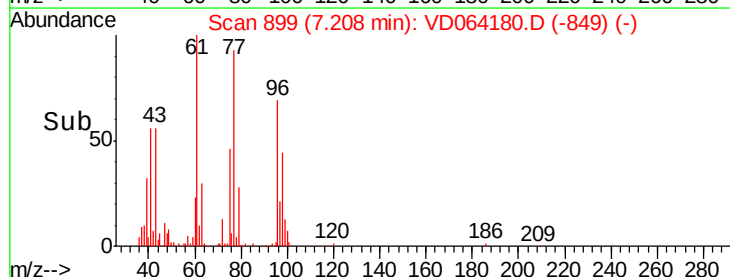
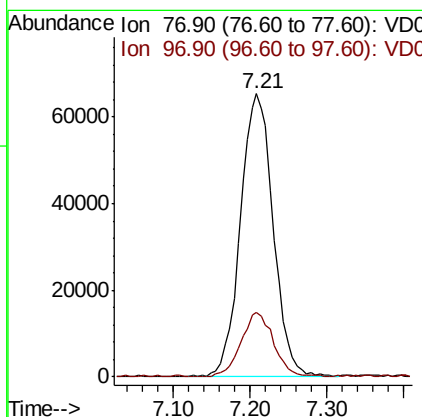
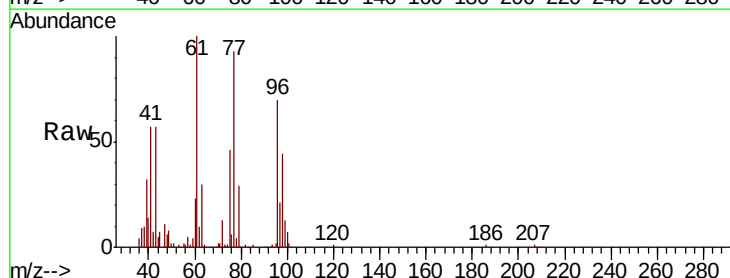
Acq: 11 Nov 2019 16:16

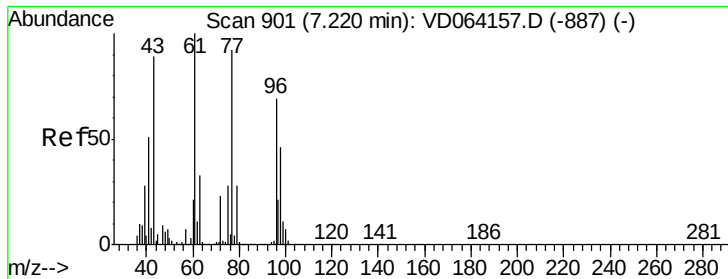
Tgt Ion: 77 Resp: 194771

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.3



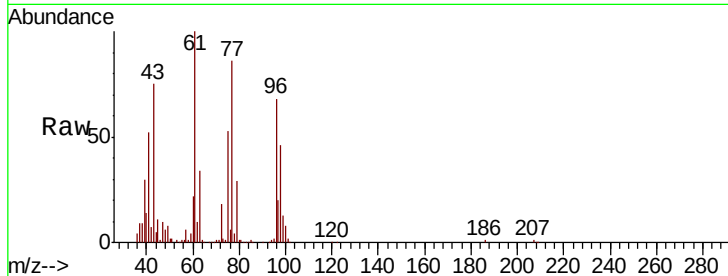


#27

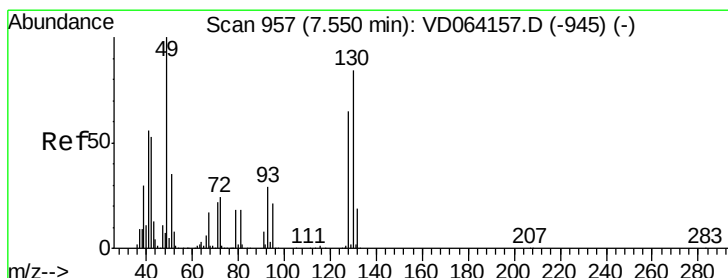
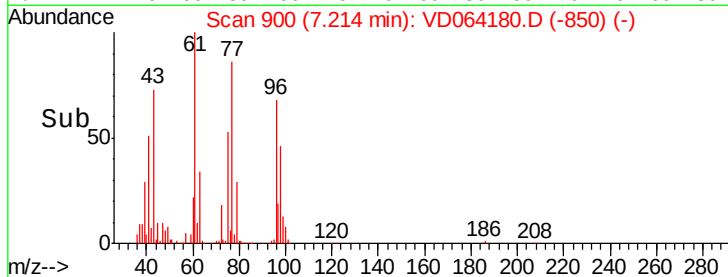
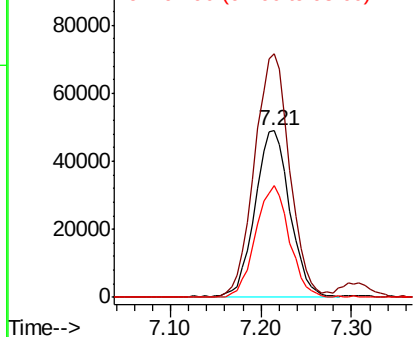
cis-1,2-Dichloroethene
 Concen: 20.562 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	96	Resp	131290
Ion Ratio	Lower	Upper	
96	100		
61	146.9	0.0	301.4
98	64.7	0.0	133.2



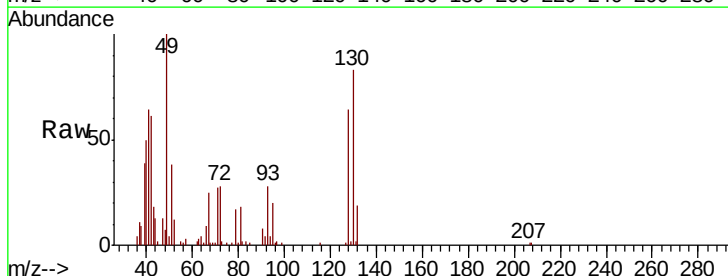
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



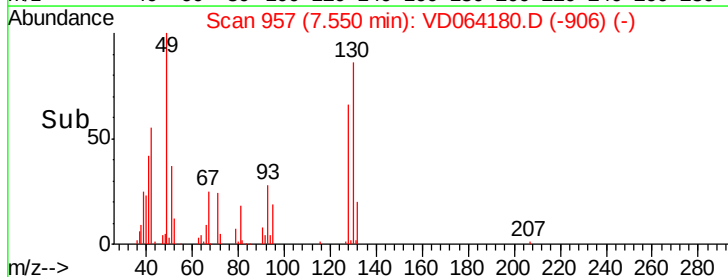
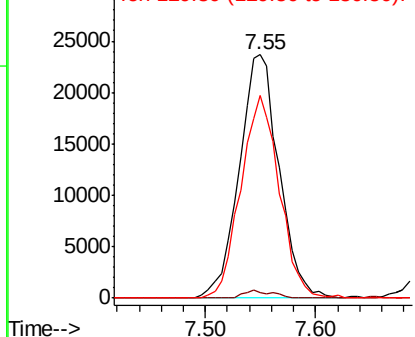
#28

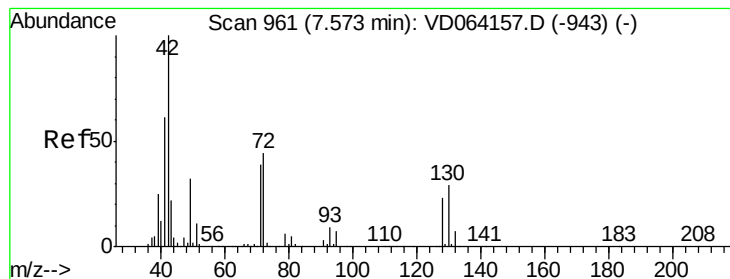
Bromochloromethane
 Concen: 17.152 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Tgt Ion	49	Resp	59776
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.4
130	80.7	66.8	100.2



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





#29

Tetrahydrofuran

Concen: 110.188 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

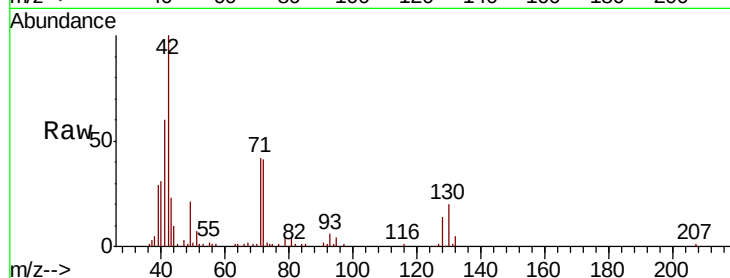
Tot Ion: 42 Resp: 104226

Ion Ratio Lower Upper

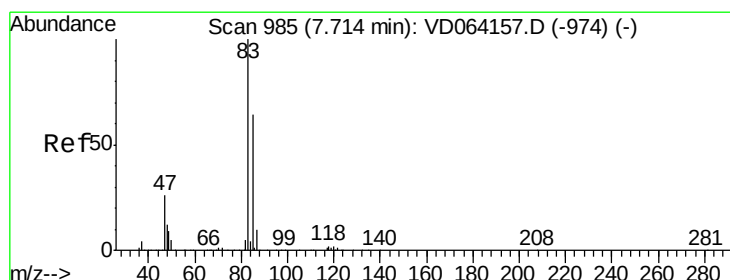
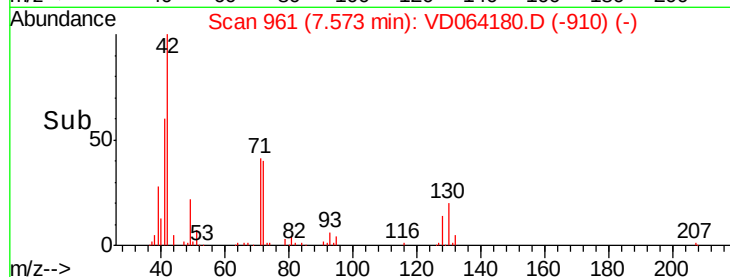
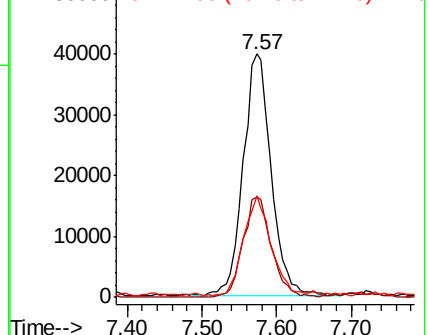
42 100

72 41.8 33.4 50.2

71 39.7 31.0 46.4



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



#30

Chloroform

Concen: 20.992 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064180.D

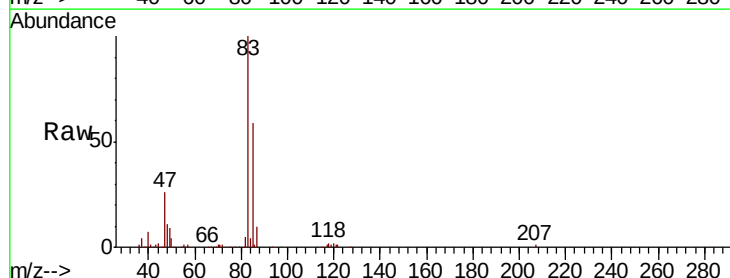
Acq: 11 Nov 2019 16:16

Tgt Ion: 83 Resp: 214951

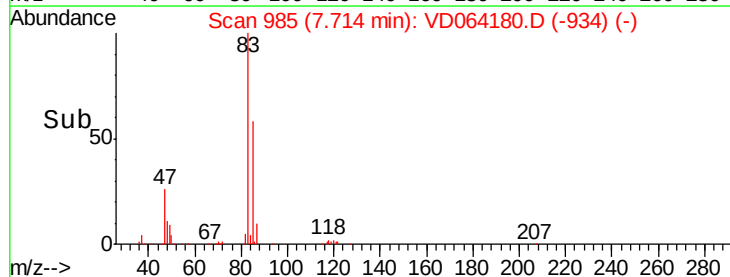
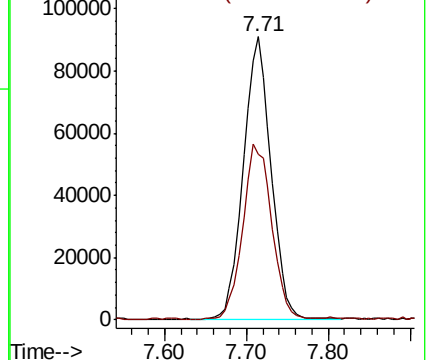
Ion Ratio Lower Upper

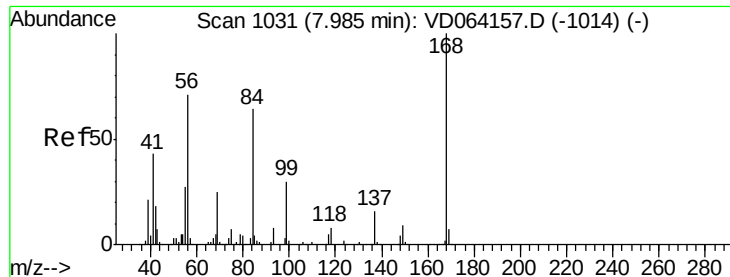
83 100

85 58.5 51.4 77.0



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





#31

Cyclohexane

Concen: 18.713 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

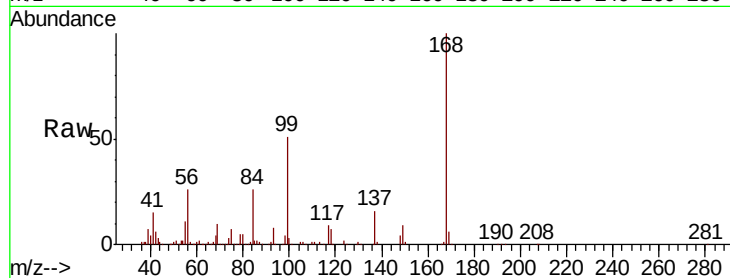
Tot Ion: 56 Resp: 188924

Ion Ratio Lower Upper

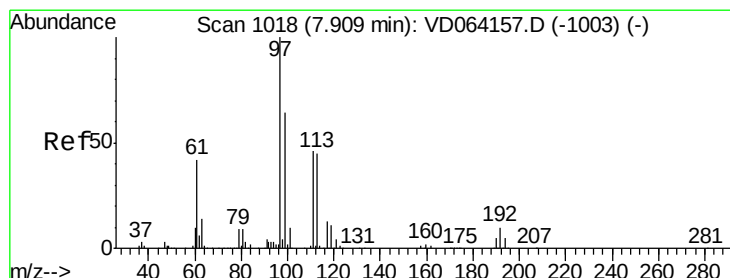
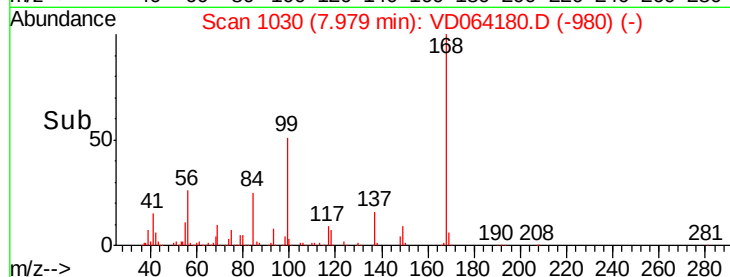
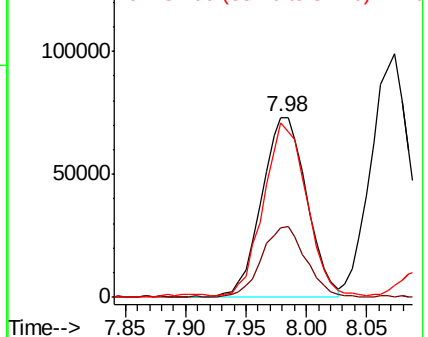
56 100

69 38.5 28.2 42.4

84 95.3 71.8 107.6



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: 19.726 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

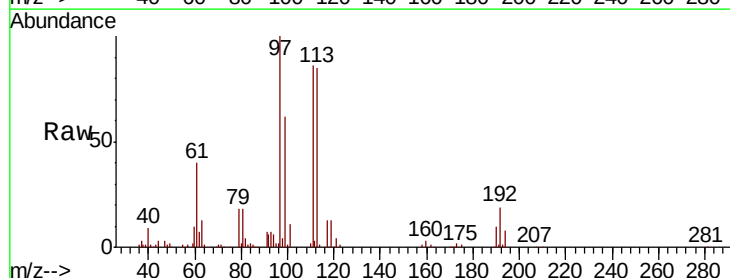
Tgt Ion: 97 Resp: 193404

Ion Ratio Lower Upper

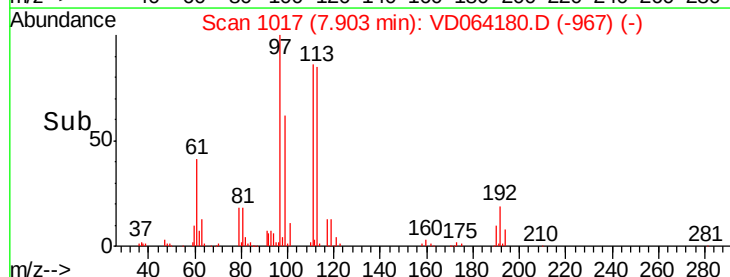
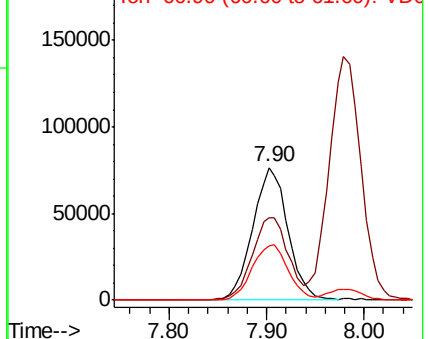
97 100

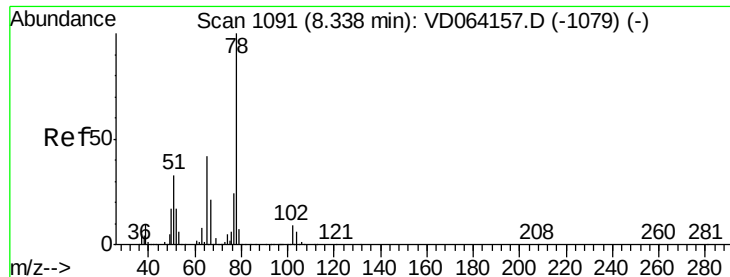
99 63.4 51.6 77.4

61 43.1 34.2 51.2



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

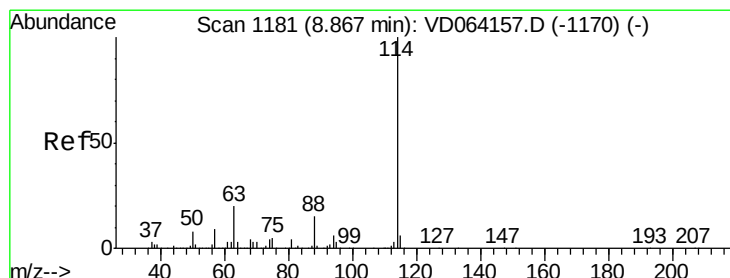
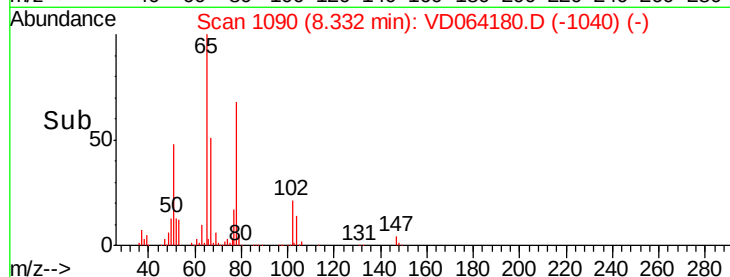
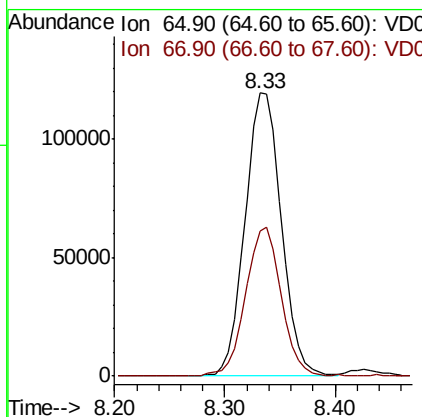
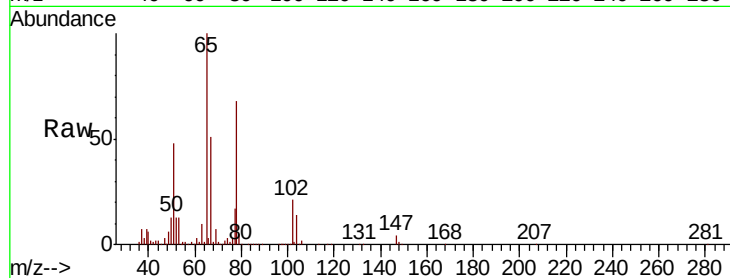




#33
 1,2-Dichloroethane-d4
 Concen: 53.802 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

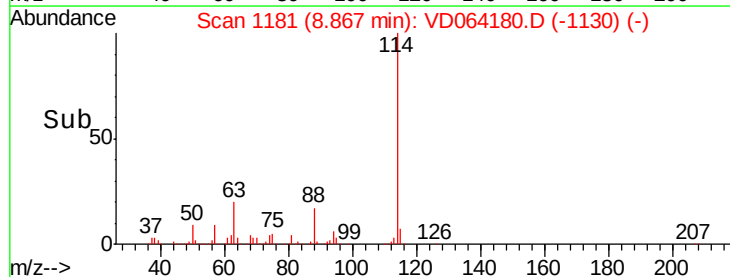
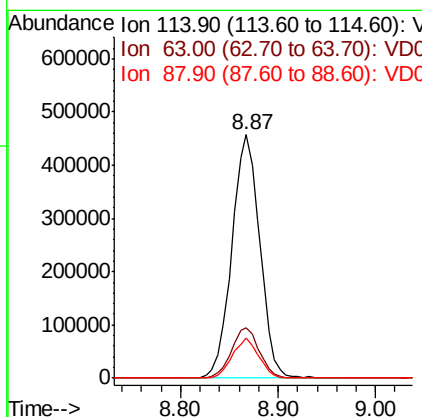
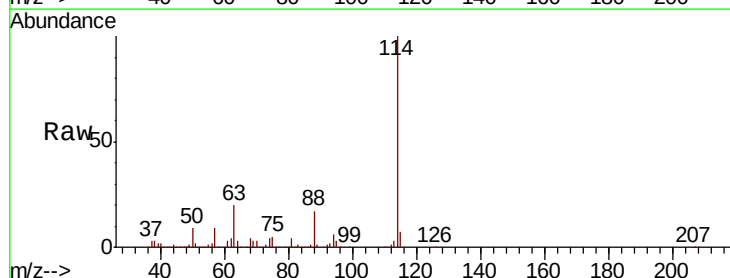
Instrument :
 MSVOA_D
 ClientSampled :

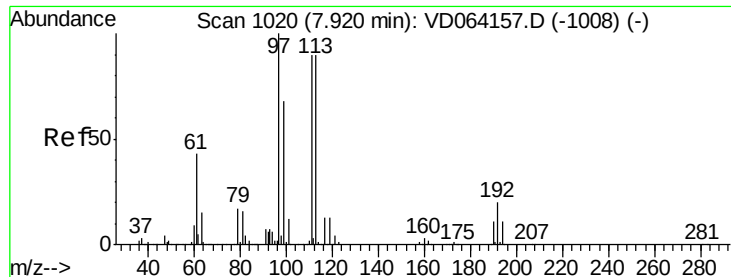
Tot Ion: 65 Resp: 276751
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Tgt Ion: 114 Resp: 907033
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.0
 88 16.6 0.0 30.2

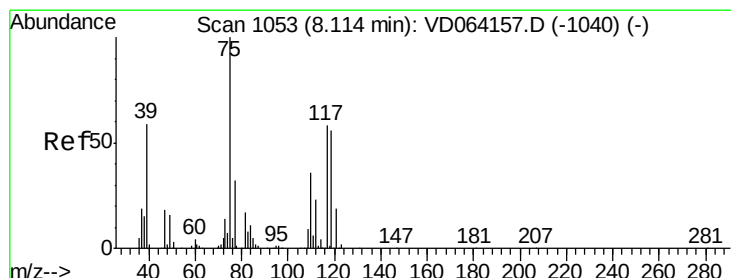
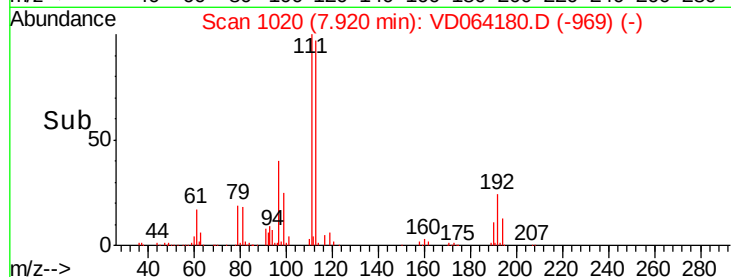
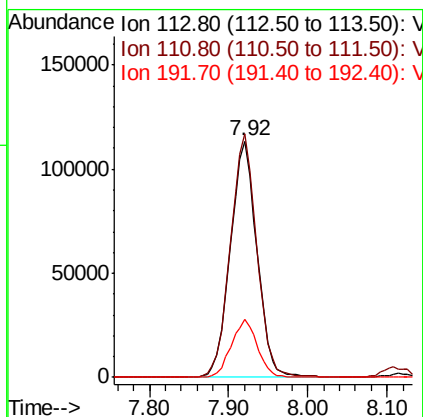
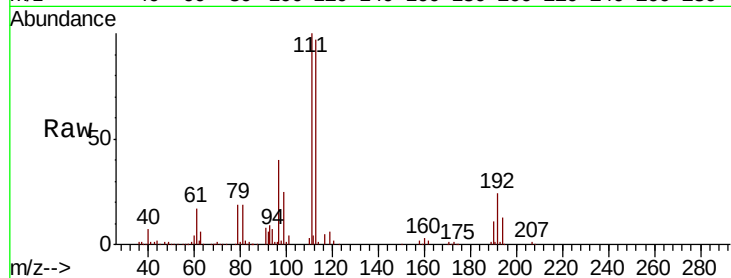




#35
Dibromofluoromethane
Concen: 50.566 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

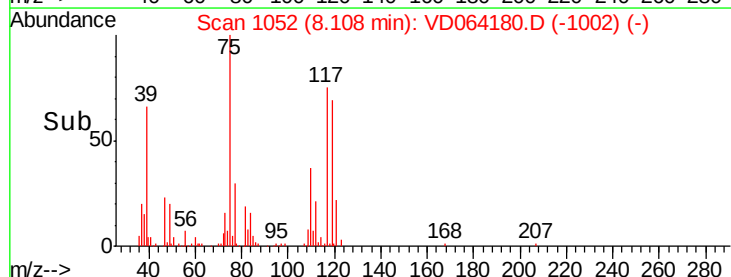
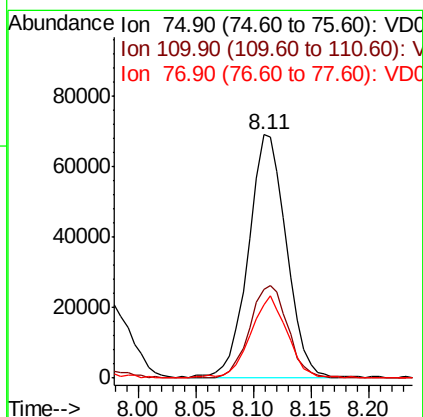
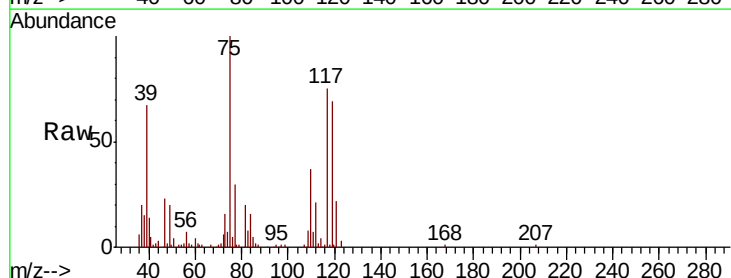
Instrument :
MSVOA_D
ClientSampleId :

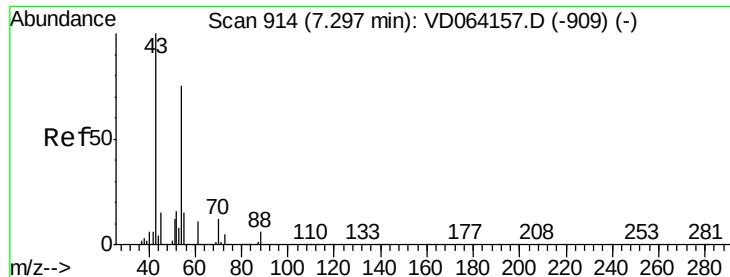
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.5	122.3
192	23.9	18.8	28.2



#36
1,1-Dichloropropene
Concen: 18.784 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	18.3	54.9
77	33.3	25.0	37.6

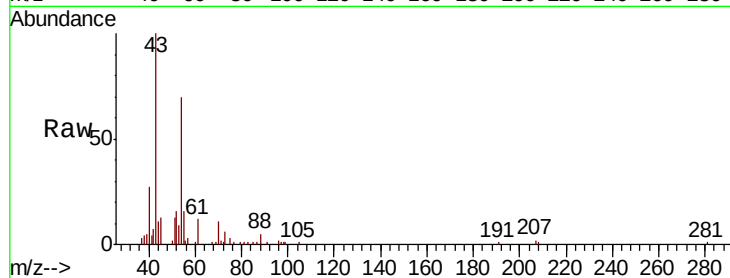




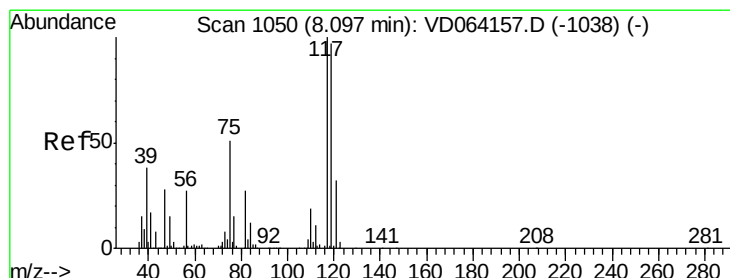
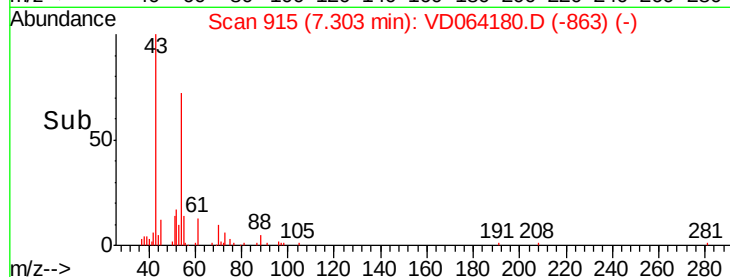
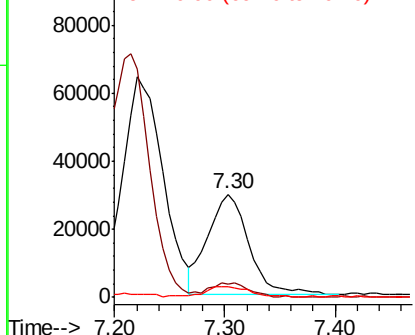
#37
Ethyl Acetate
Concen: 21.613 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 76275
Ion Ratio Lower Upper
43 100
61 13.1 10.2 15.2
70 10.0 8.5 12.7

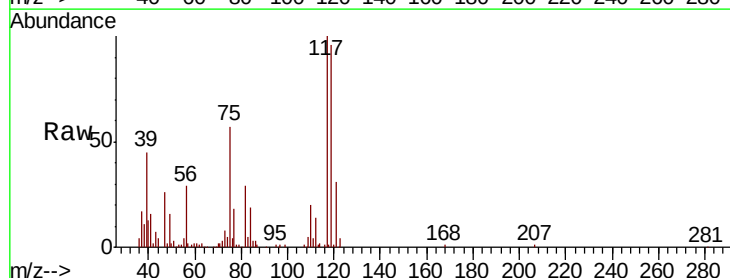


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

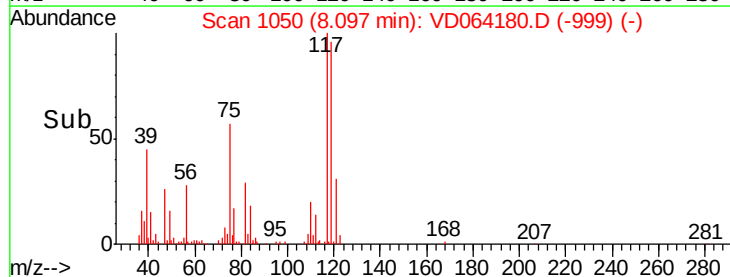
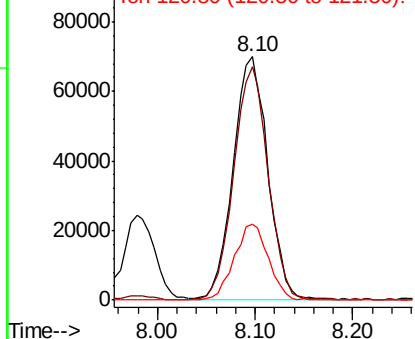


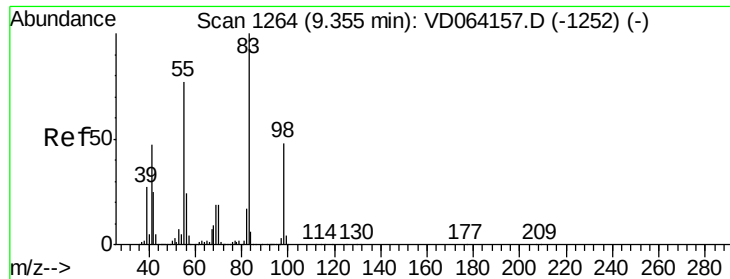
#38
Carbon Tetrachloride
Concen: 19.160 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion: 117 Resp: 171625
Ion Ratio Lower Upper
117 100
119 96.1 77.2 115.8
121 31.1 25.5 38.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

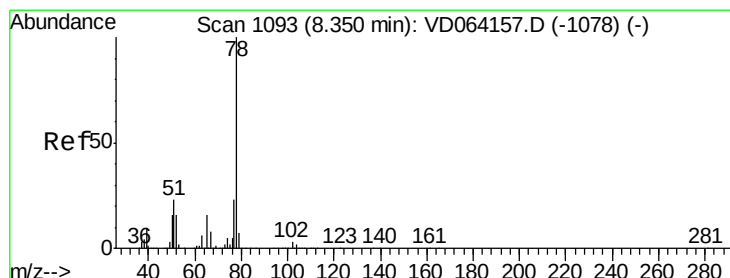
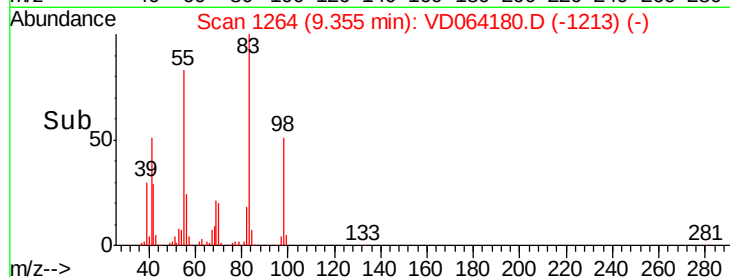
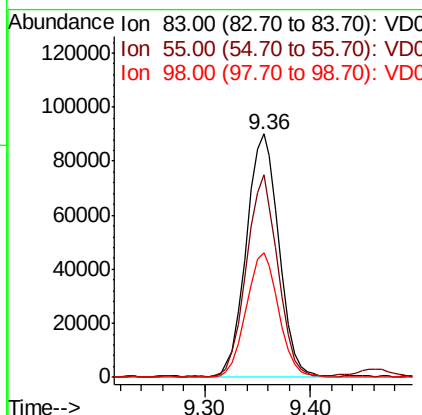
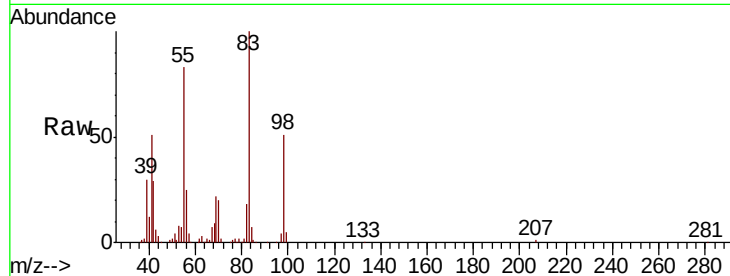




#39
Methylvlcyclohexane
Concen: 18.353 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

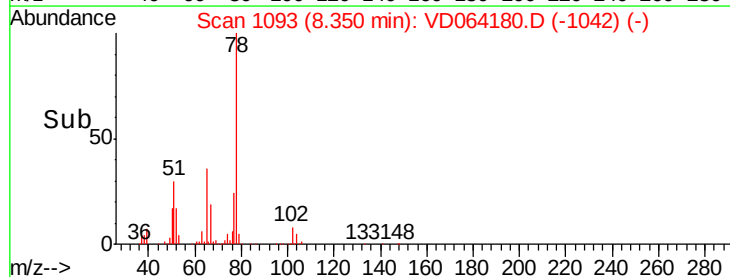
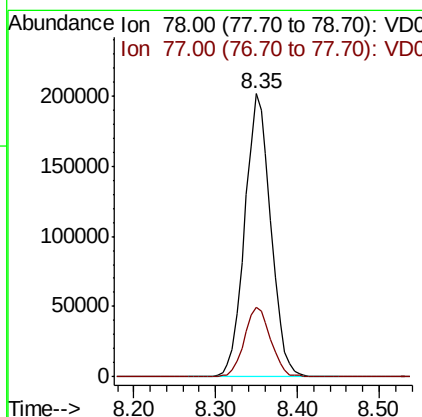
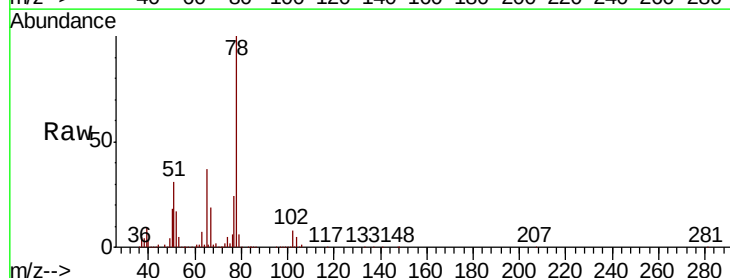
Instrument :
MSVOA_D
ClientSampleId :

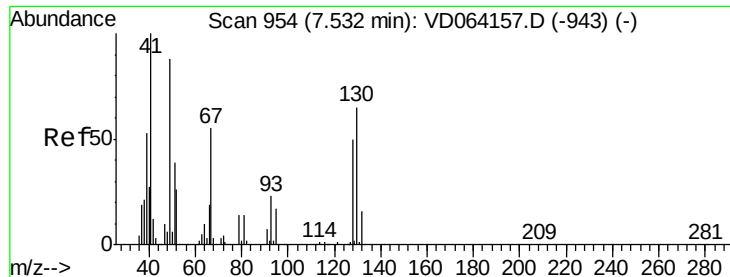
Tot Ion: 83 Resp: 194409
Ion Ratio Lower Upper
83 100
55 82.9 61.7 92.5
98 51.3 38.6 58.0



#40
Benzene
Concen: 19.466 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion: 78 Resp: 445354
Ion Ratio Lower Upper
78 100
77 24.5 18.6 28.0





#41

Methacrylonitrile

Concen: 20.989 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064180.D

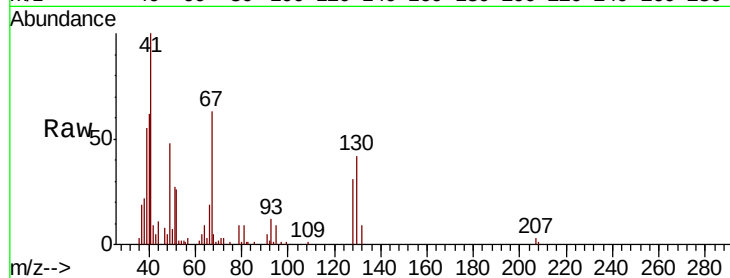
Acq: 11 Nov 2019 16:16

Instrument :

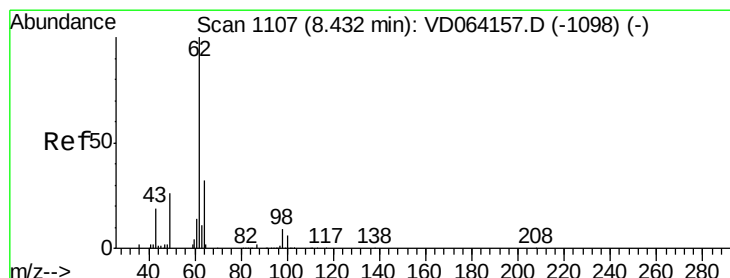
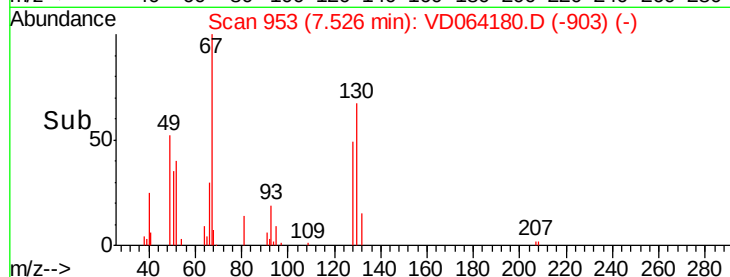
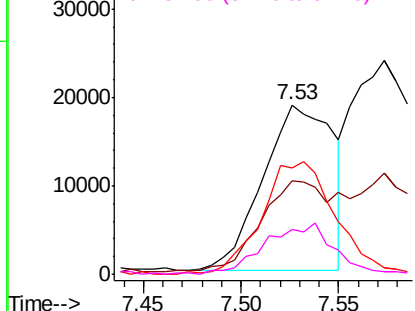
MSVOA_D

ClientSampleId :

Tot Ion:	41	Resp:	46555
Ion	Ratio	Lower	Upper
41	100		
39	49.0	49.4	74.2#
67	71.7	49.6	74.4
52	30.3	21.4	32.0



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: 20.130 ug/l

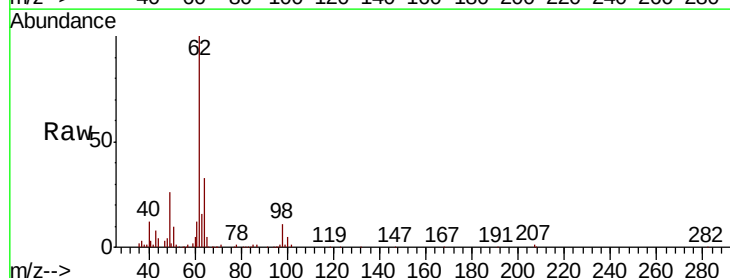
RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

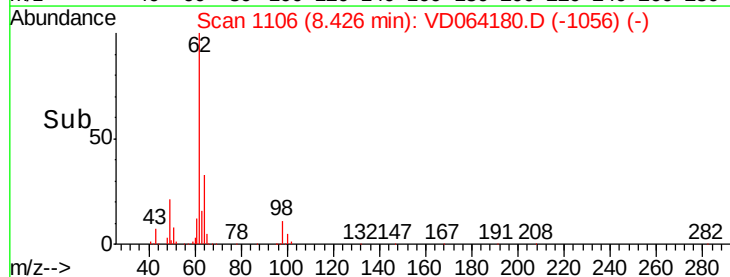
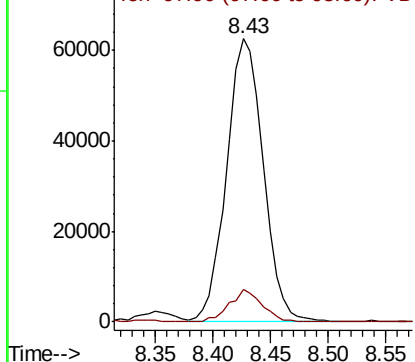
Lab File: VD064180.D

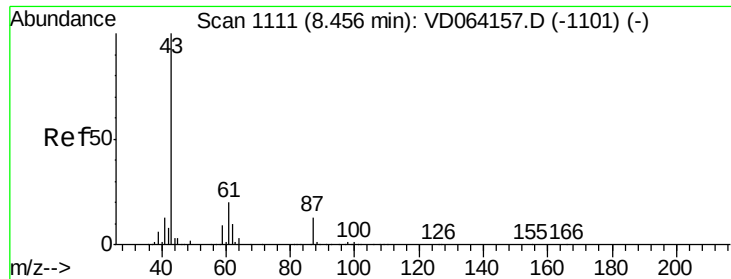
Acq: 11 Nov 2019 16:16

Tgt Ion:	62	Resp:	138321
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.048 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

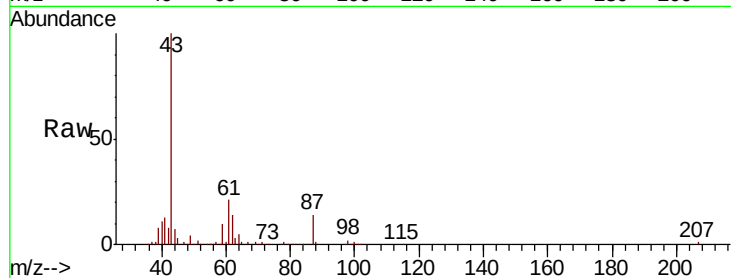
Tot Ion: 43 Resp: 153047

Ion Ratio Lower Upper

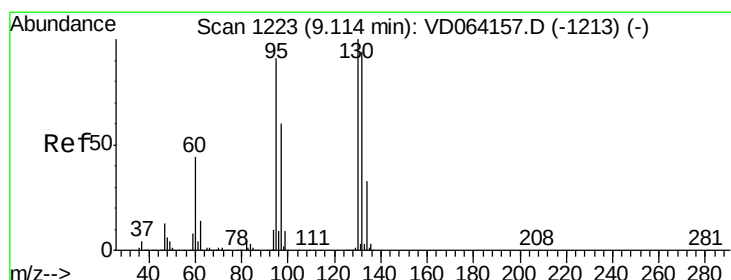
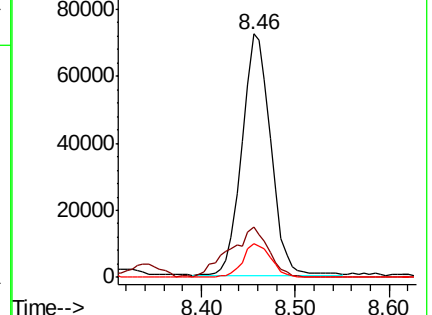
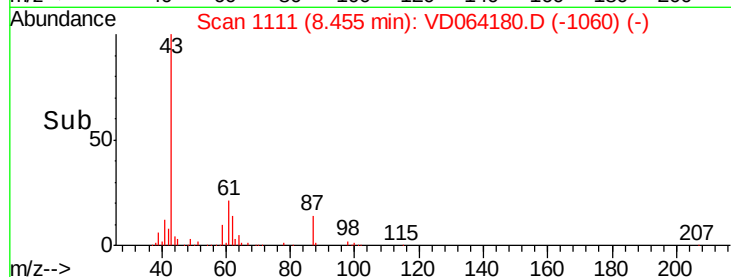
43 100

61 28.1 22.9 34.3

87 13.7 10.2 15.2



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: 19.334 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064180.D

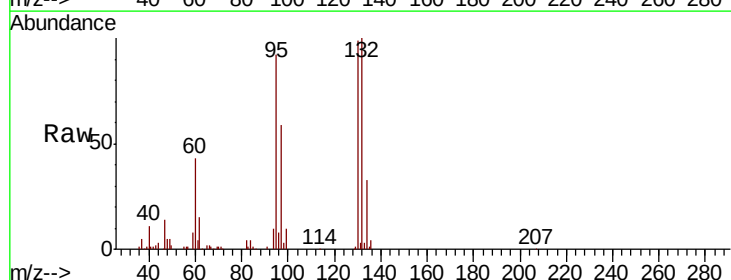
Acq: 11 Nov 2019 16:16

Tgt Ion:130 Resp: 132759

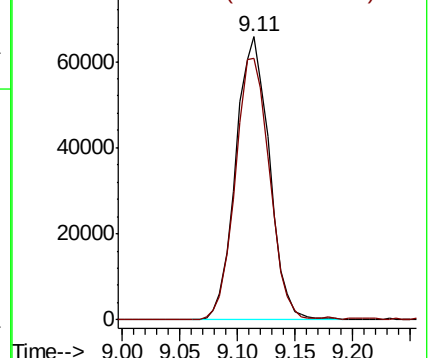
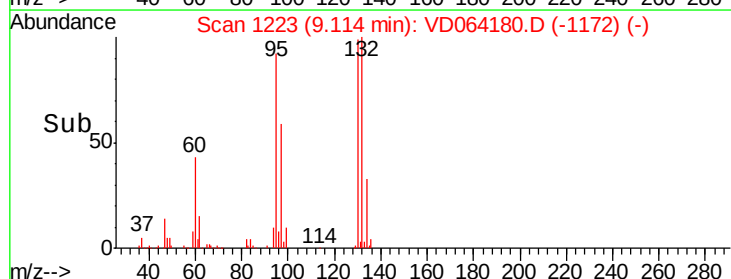
Ion Ratio Lower Upper

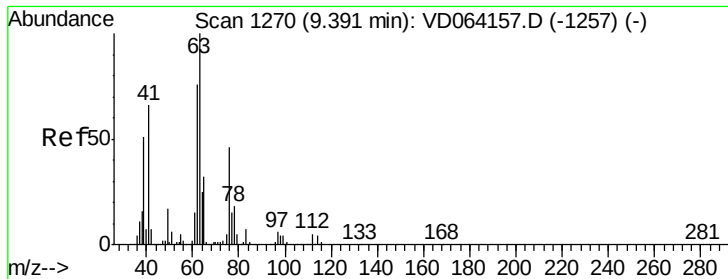
130 100

95 92.3 0.0 181.6



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

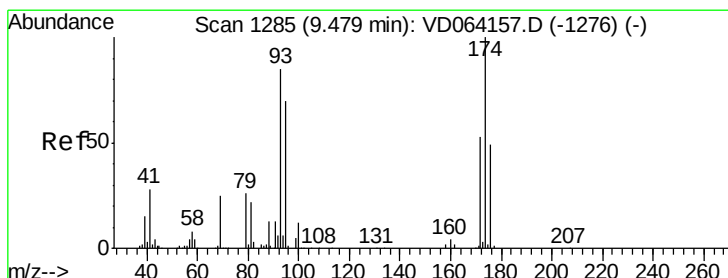
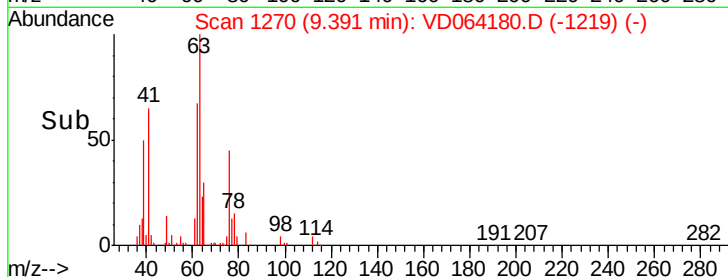
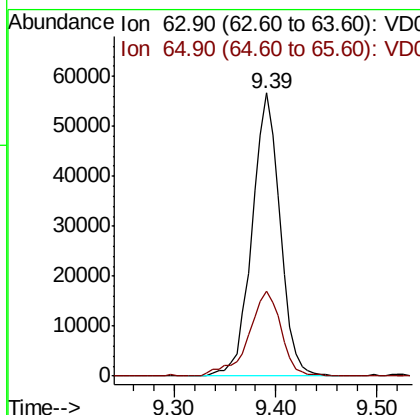
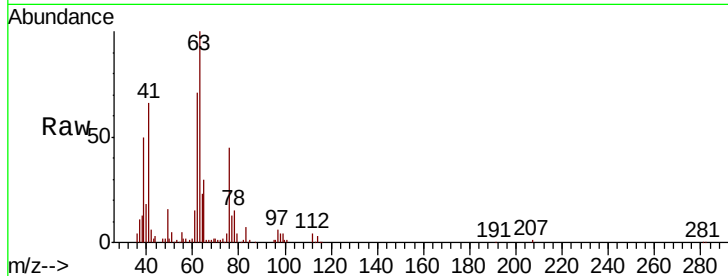




#45
 1,2-Dichloropropane
 Concen: 19.653 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

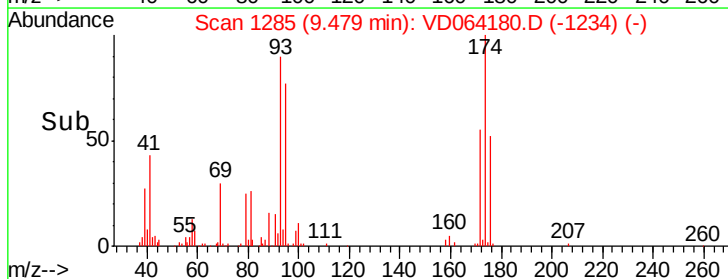
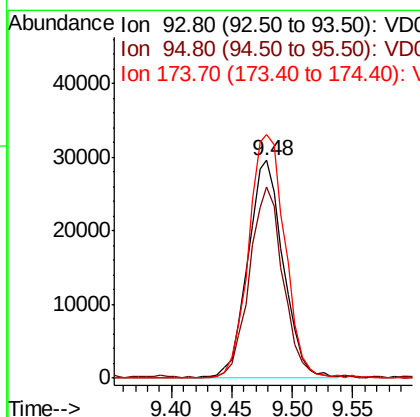
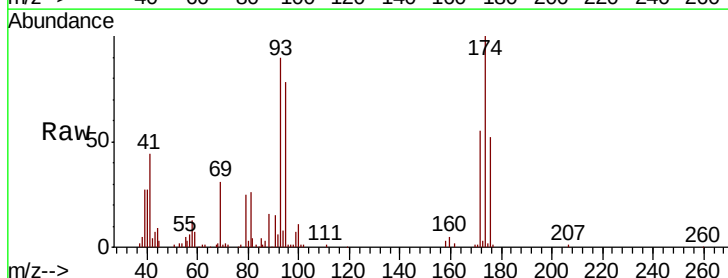
Instrument :
 MSVOA_D
 ClientSampleId :

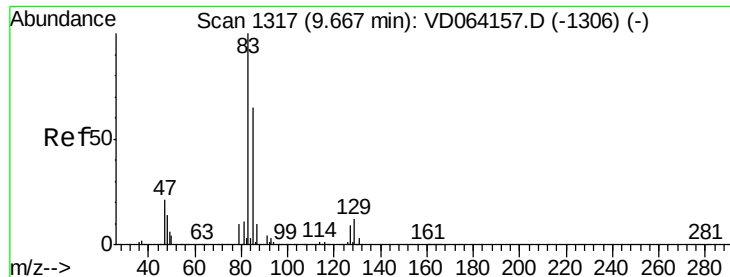
Tot Ion: 63 Resp: 109437
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.7 38.5



#46
 Dibromomethane
 Concen: 20.320 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Tgt Ion: 93 Resp: 60577
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.5 98.3
 174 114.6 93.9 140.9





#47

Bromodichloromethane

Concen: 20.160 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampled :

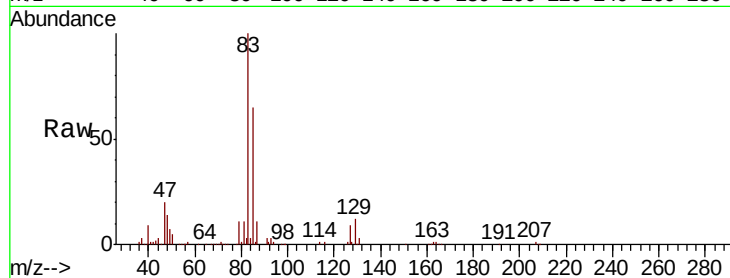
Tot Ion: 83 Resp: 161884

Ion Ratio Lower Upper

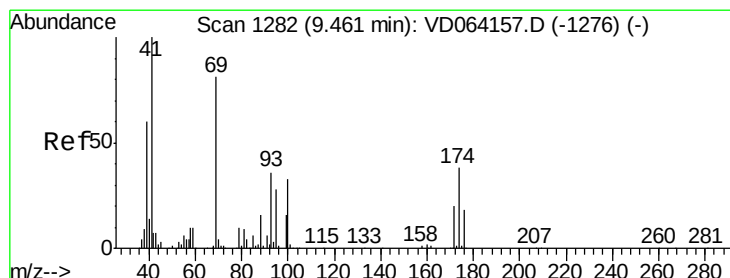
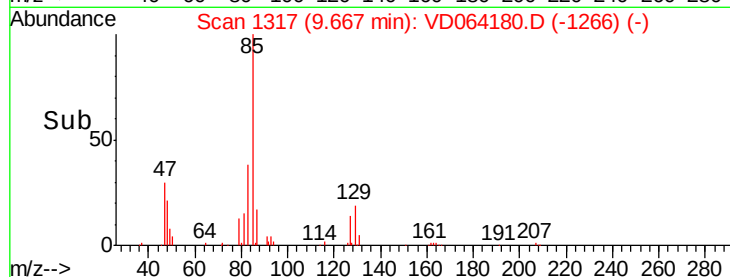
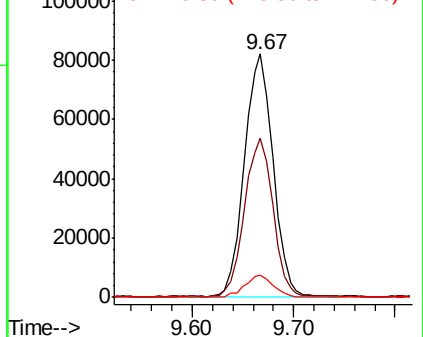
83 100

85 64.7 52.2 78.4

127 9.2 7.5 11.3



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: 19.737 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

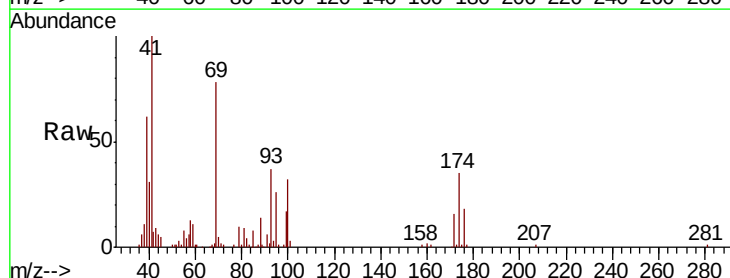
Tgt Ion: 41 Resp: 70176

Ion Ratio Lower Upper

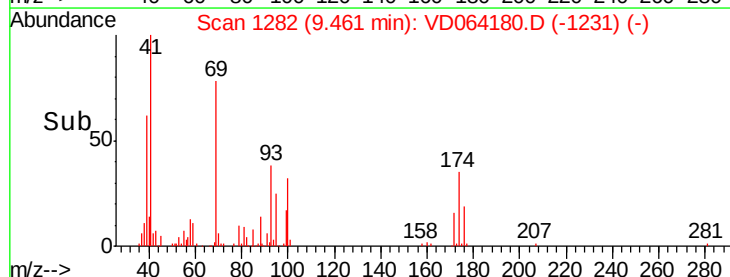
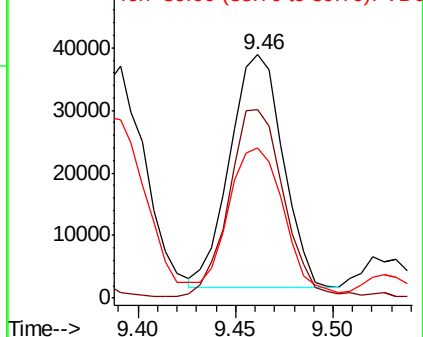
41 100

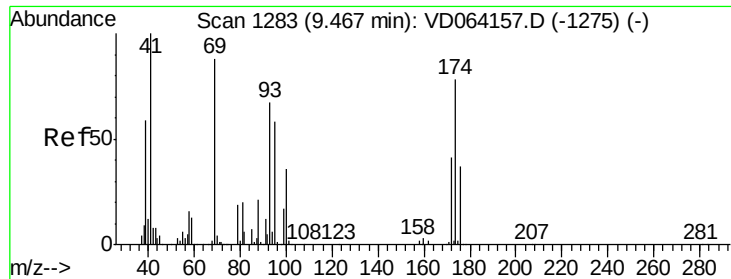
69 82.5 64.6 97.0

39 68.4 48.2 72.2



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

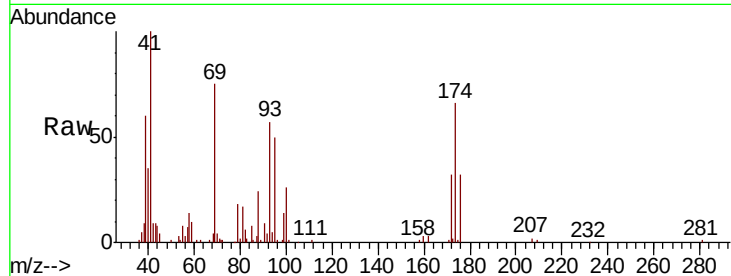




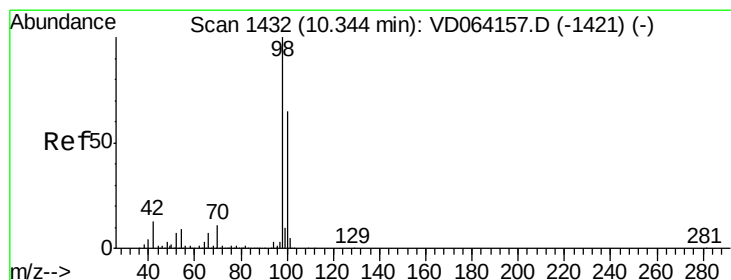
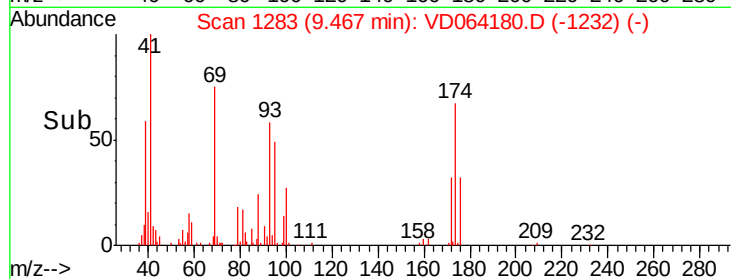
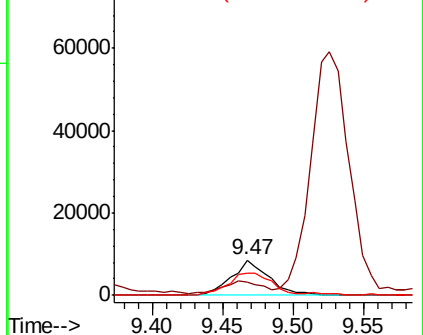
#49
1,4-Dioxane
Concen: 438.307 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 15693
Ion Ratio Lower Upper
88 100
43 33.9 29.8 44.8
58 79.8 58.1 87.1

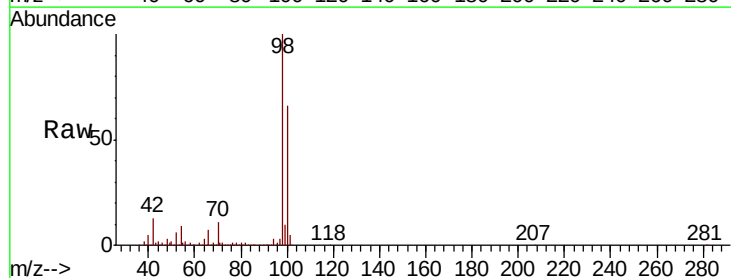


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

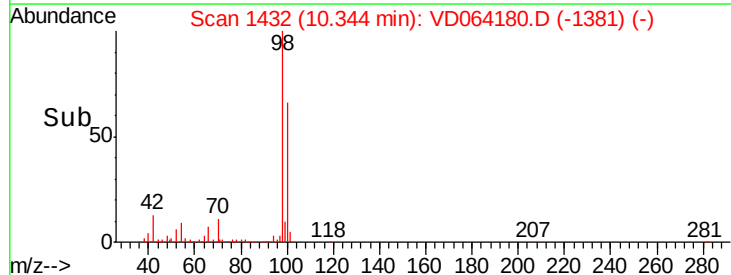
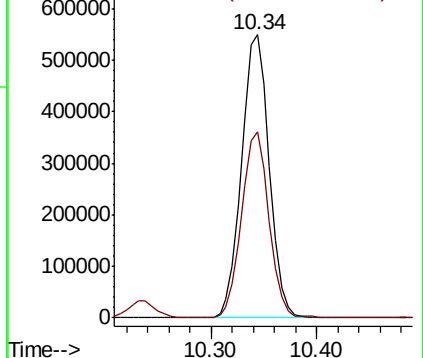


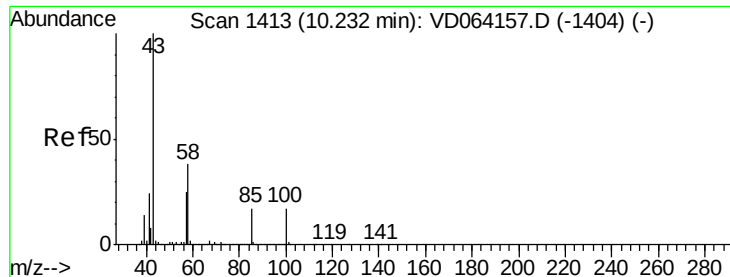
#50
Toluene-d8
Concen: 50.780 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion: 98 Resp: 997380
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



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: 106.974 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

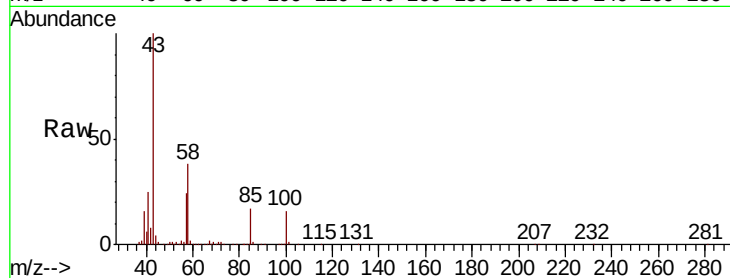
ClientSampleId :

Tot Ion: 43 Resp: 373011

Ion Ratio Lower Upper

43 100

58 38.2 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

200000

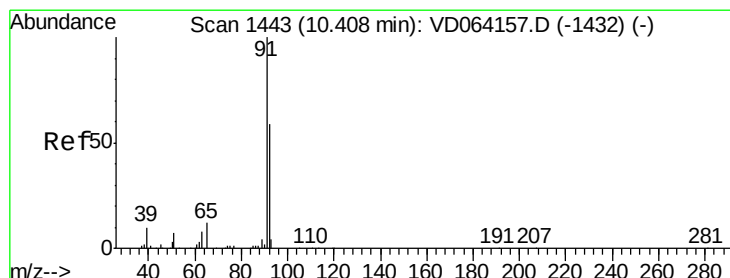
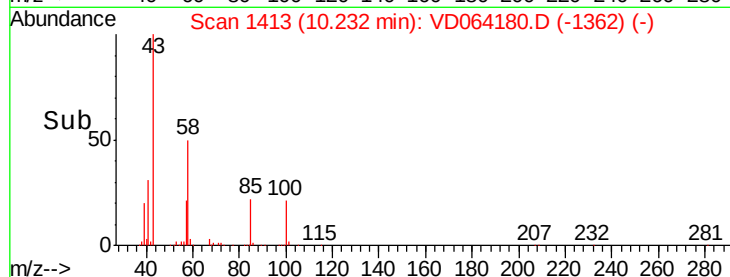
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.294 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064180.D

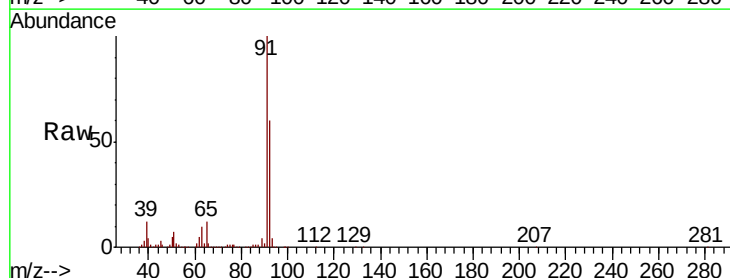
Acq: 11 Nov 2019 16:16

Tgt Ion: 92 Resp: 290257

Ion Ratio Lower Upper

92 100

91 171.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

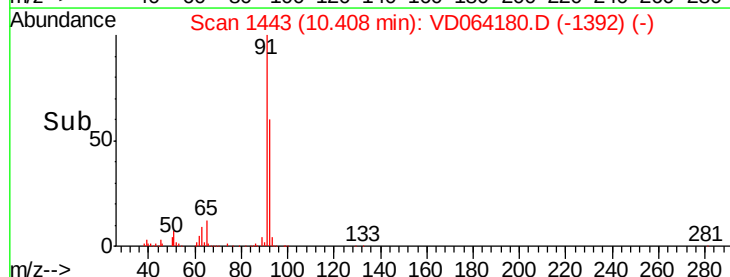
150000

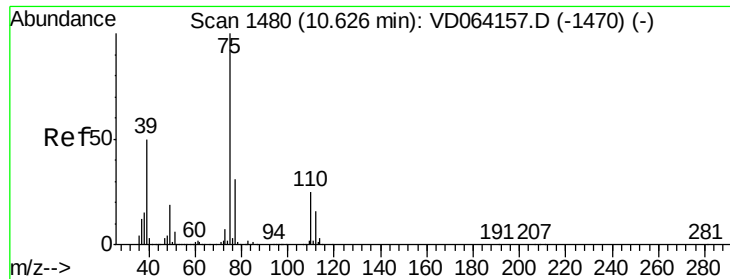
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.110 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

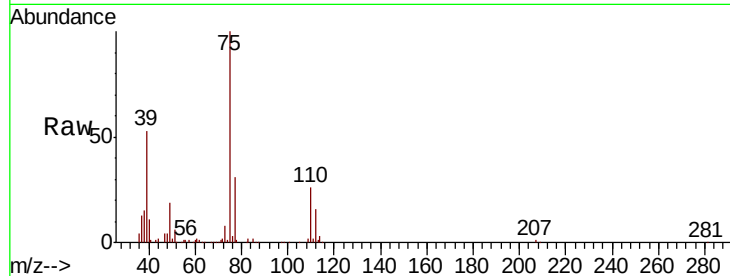
ClientSampleId :

Tot Ion: 75 Resp: 161780

Ion Ratio Lower Upper

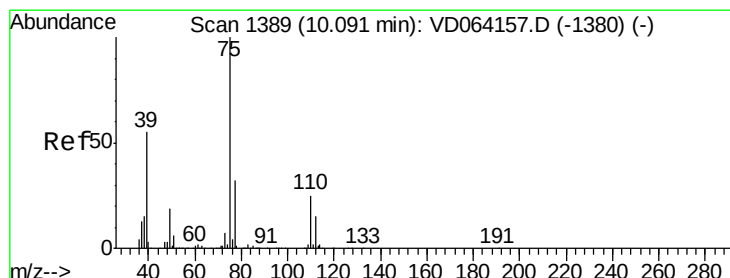
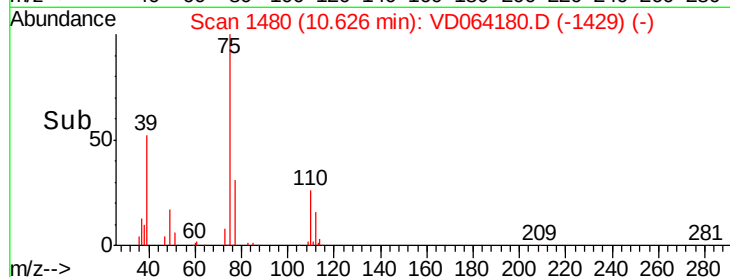
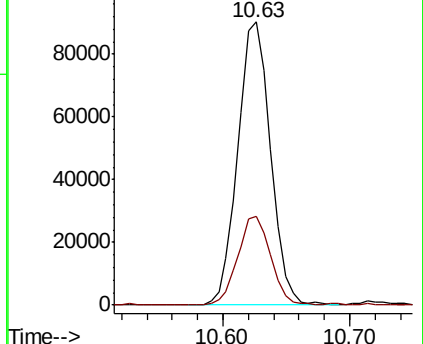
75 100

77 31.0 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.878 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

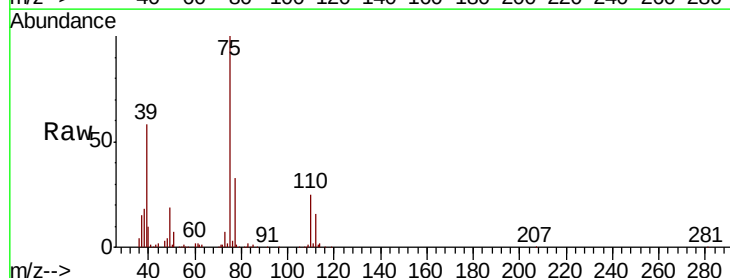
Tgt Ion: 75 Resp: 186613

Ion Ratio Lower Upper

75 100

77 33.0 25.2 37.8

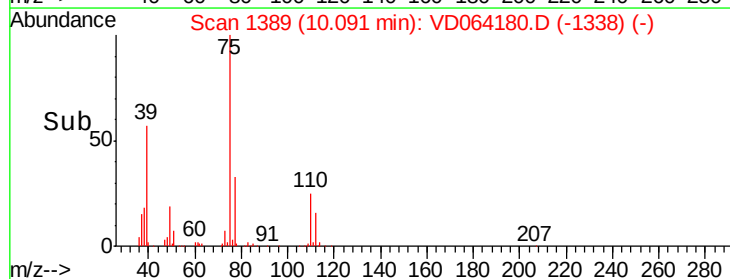
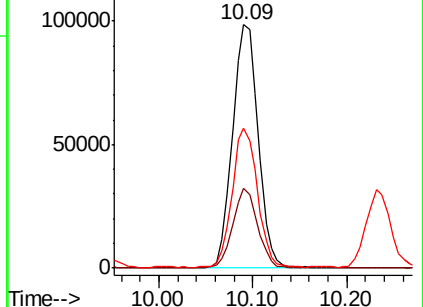
39 57.4 44.2 66.2

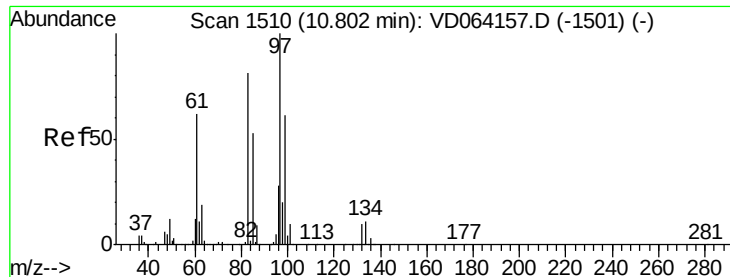


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 20.361 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 82342

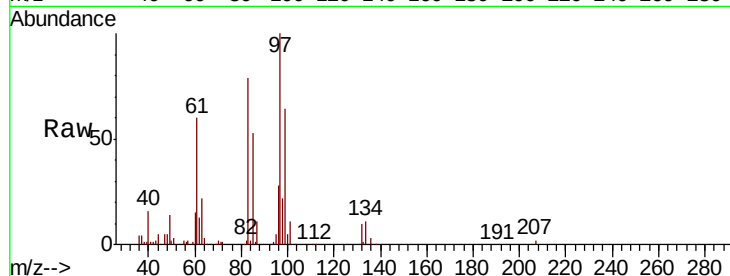
Ion	Ratio	Lower	Upper
97	100		
83	78.6	65.1	97.7
85	52.3	42.0	63.0
99	63.7	48.9	73.3

97 100

83 78.6 65.1 97.7

85 52.3 42.0 63.0

99 63.7 48.9 73.3

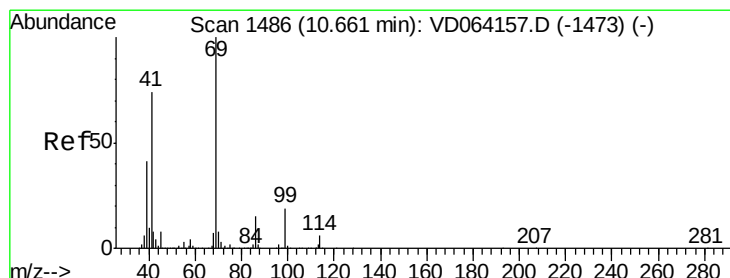
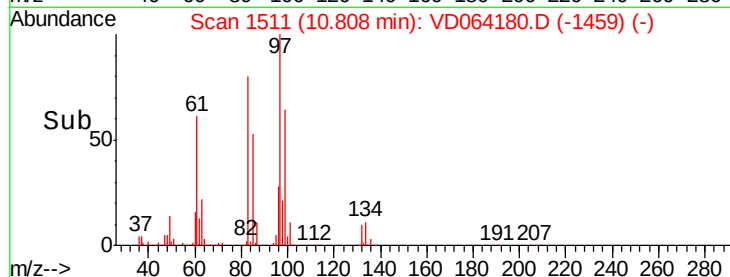
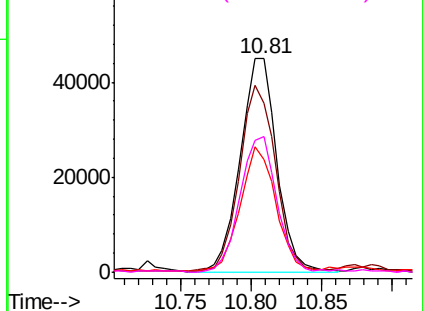


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 20.265 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

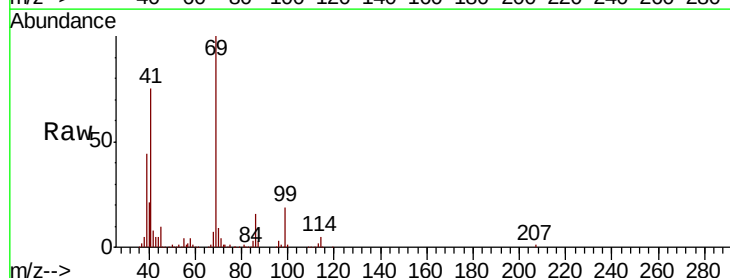
Tgt Ion: 69 Resp: 114646

Ion	Ratio	Lower	Upper
69	100		
41	73.2	57.9	86.9
39	39.2	29.0	43.4

69 100

41 73.2 57.9 86.9

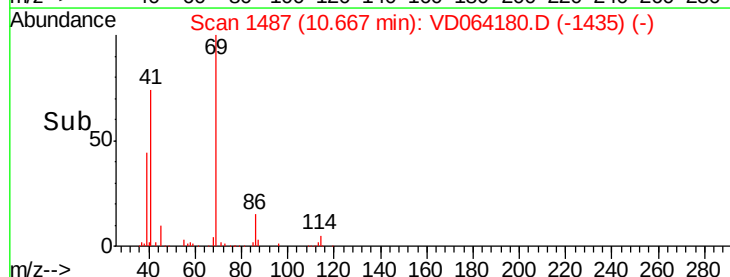
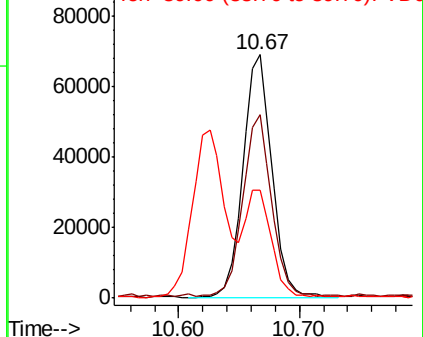
39 39.2 29.0 43.4

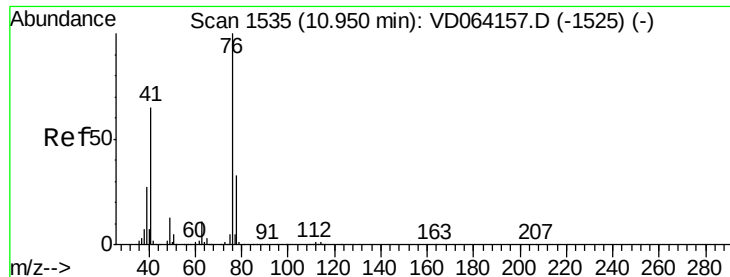


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 20.602 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

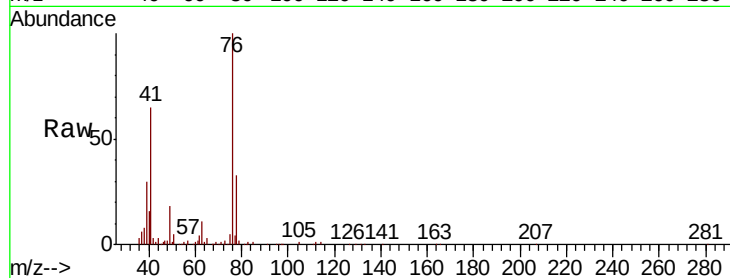
ClientSampleId :

Tot Ion: 76 Resp: 145304

Ion Ratio Lower Upper

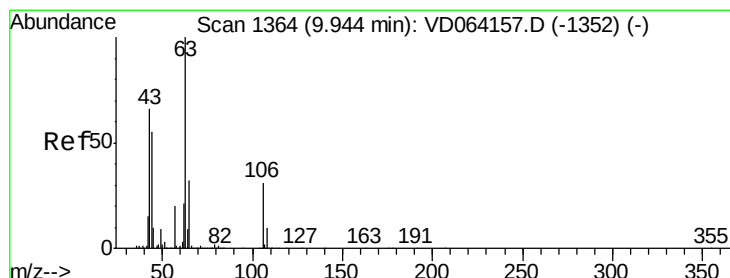
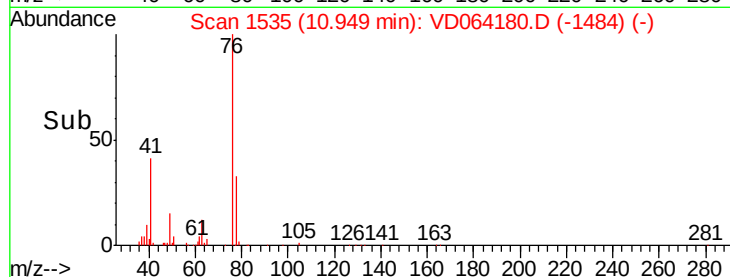
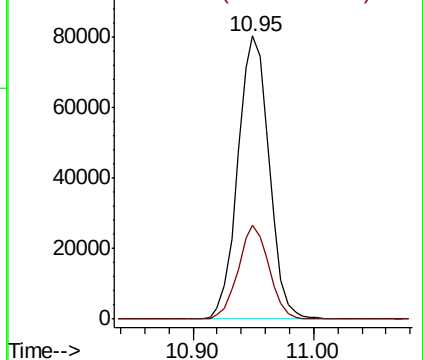
76 100

78 32.6 26.2 39.4



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: 108.322 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064180.D

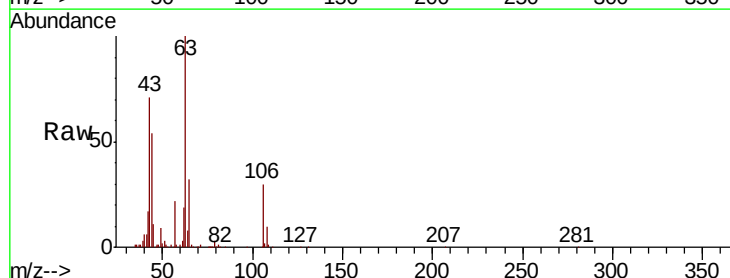
Acq: 11 Nov 2019 16:16

Tgt Ion: 63 Resp: 248233

Ion Ratio Lower Upper

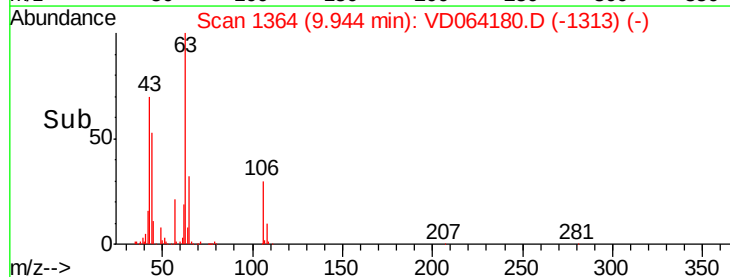
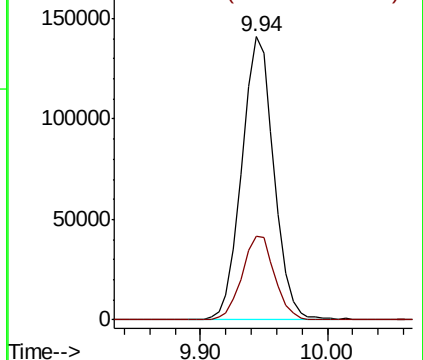
63 100

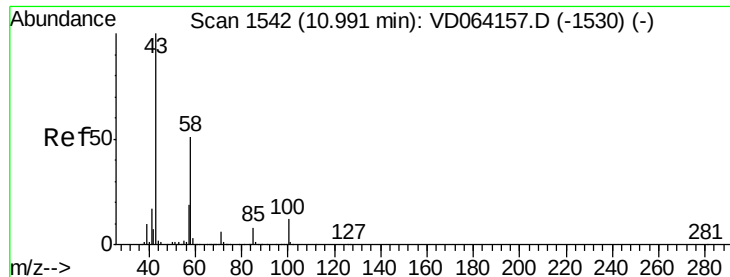
106 30.2 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

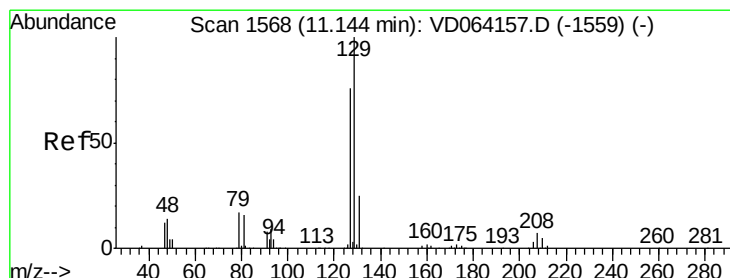
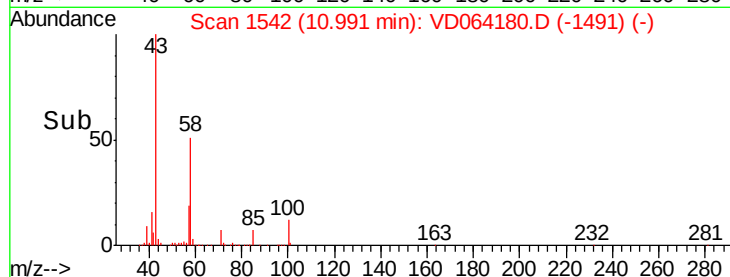
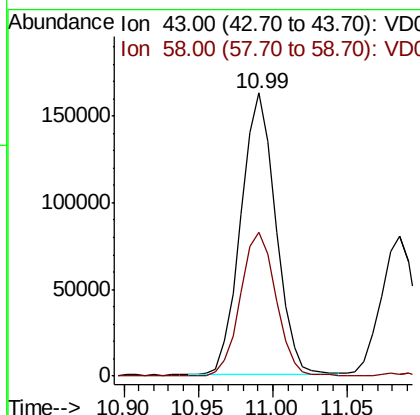
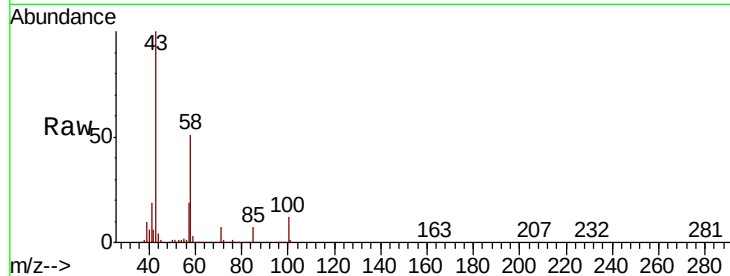




#59
2-Hexanone
Concen: 106.595 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

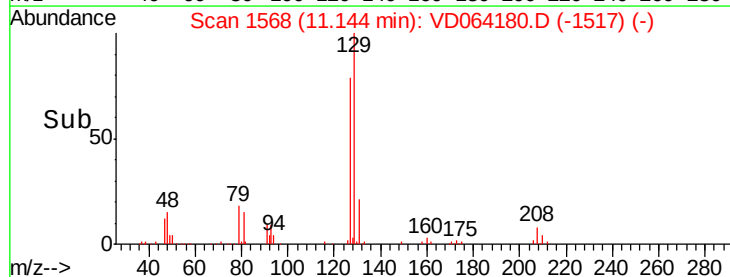
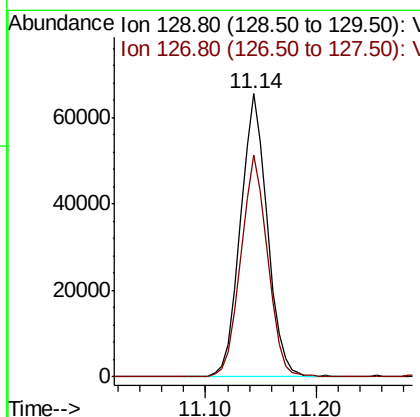
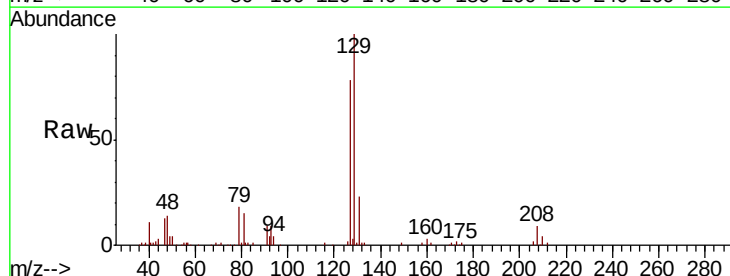
Instrument :
MSVOA_D
ClientSampleId :

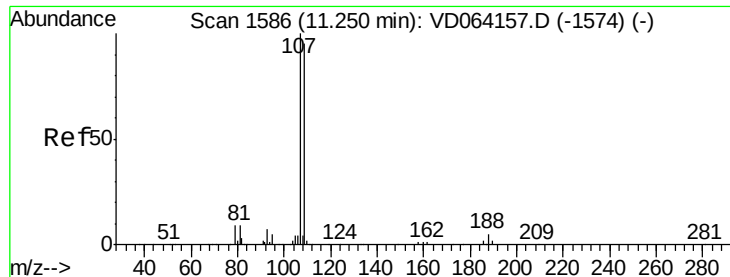
Tot Ion: 43 Resp: 264435
Ion Ratio Lower Upper
43 100
58 52.0 25.9 77.7



#60
Dibromochloromethane
Concen: 19.908 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion: 129 Resp: 112342
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8

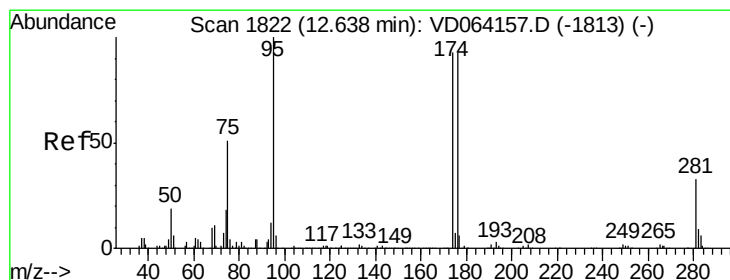
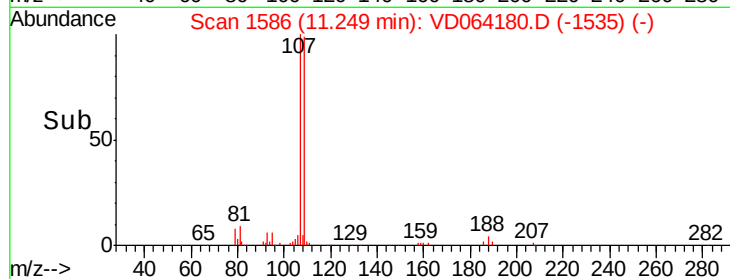
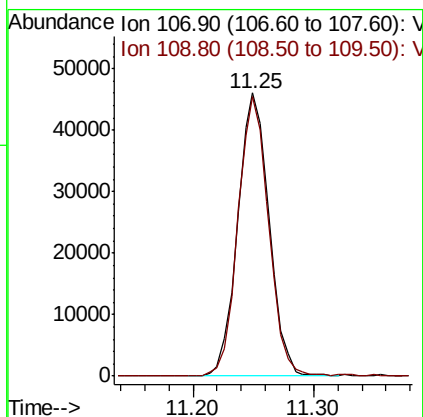
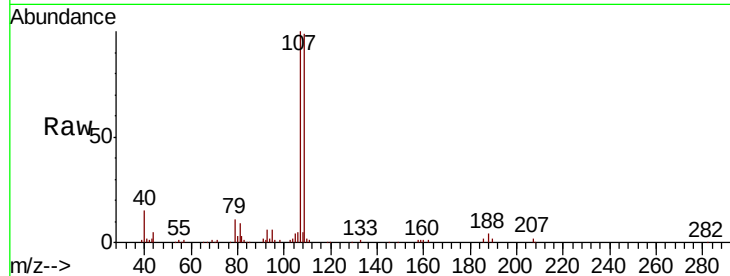




#61
 1,2-Dibromoethane
 Concen: 20.577 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

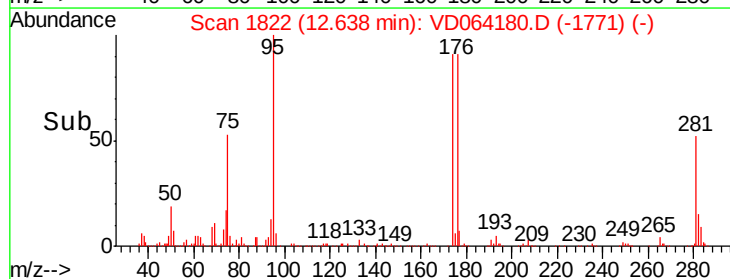
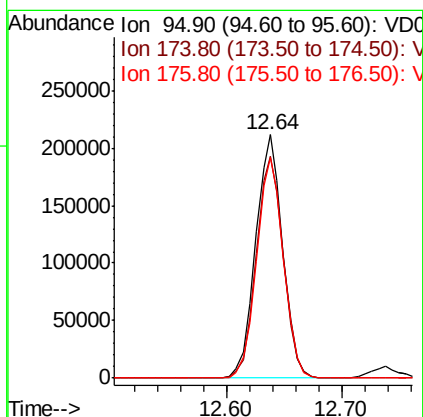
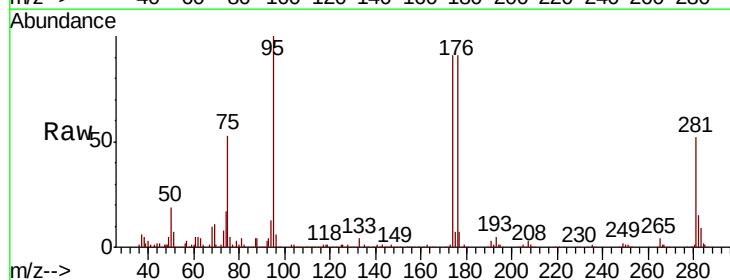
Instrument :
 MSVOA_D
 ClientSampleId :

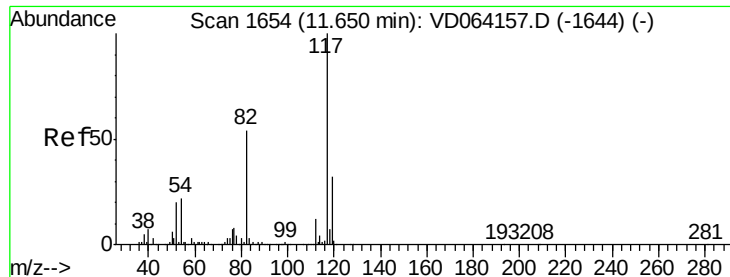
Tot Ion:107 Resp: 83350
 Ion Ratio Lower Upper
 107 100
 109 96.3 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 50.545 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Tgt Ion: 95 Resp: 343802
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 183.6
 176 89.8 0.0 180.2

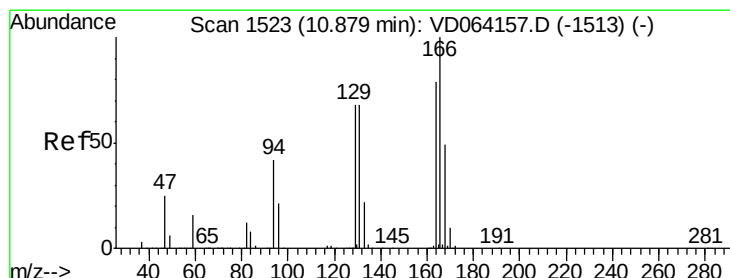
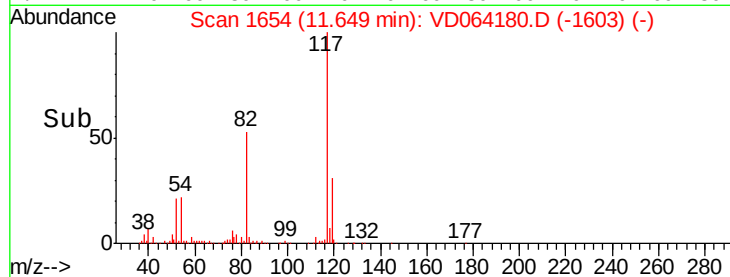
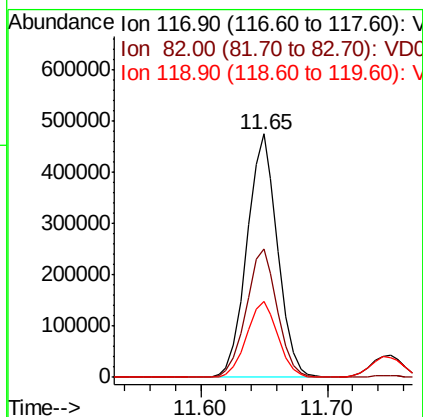
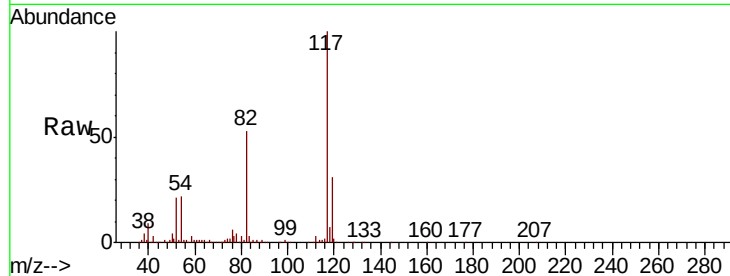




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

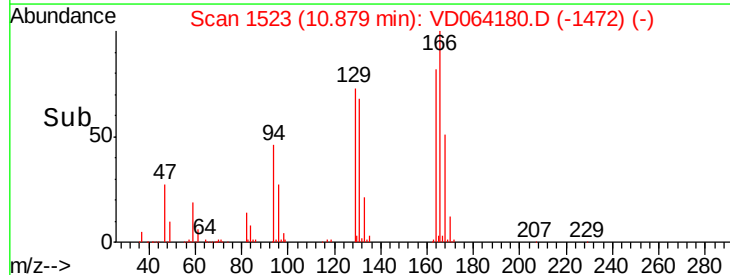
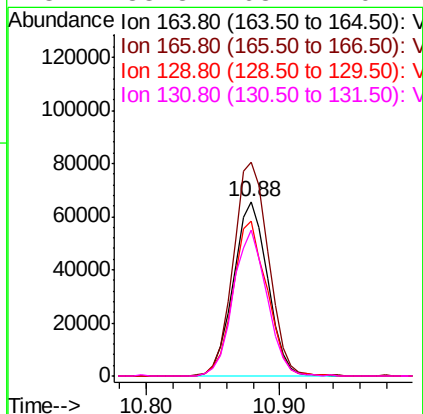
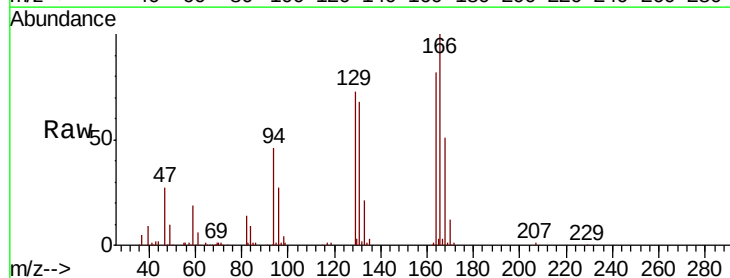
Instrument :
MSVOA_D
ClientSampleId :

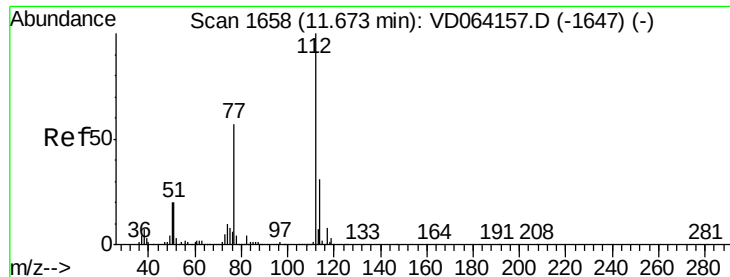
Tot Ion:117 Resp: 795975
Ion Ratio Lower Upper
117 100
82 52.7 42.8 64.2
119 31.3 25.6 38.4



#64
Tetrachloroethene
Concen: 19.068 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion:164 Resp: 116730
Ion Ratio Lower Upper
164 100
166 122.2 100.8 151.2
129 88.7 68.7 103.1
131 83.3 68.1 102.1

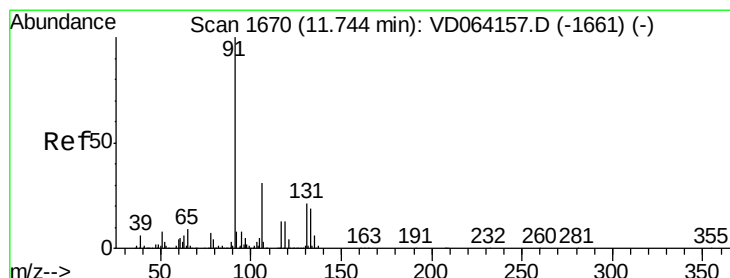
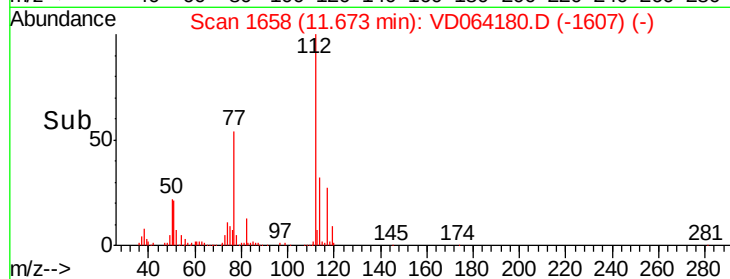
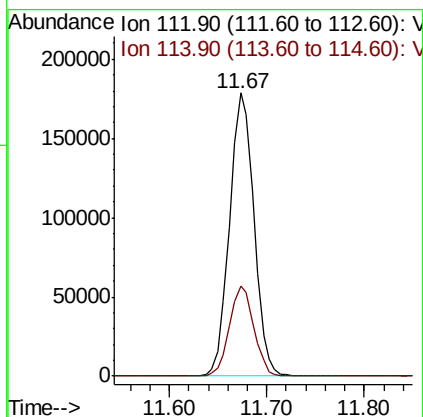
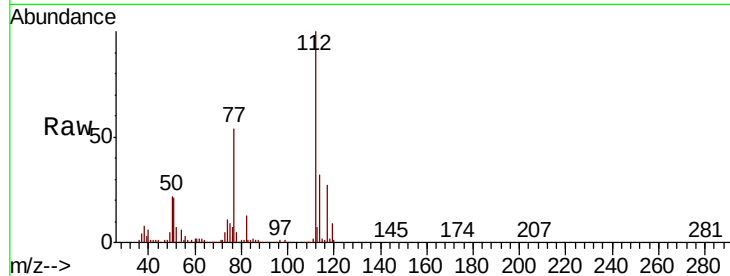




#65
Chlorobenzene
Concen: 19.192 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

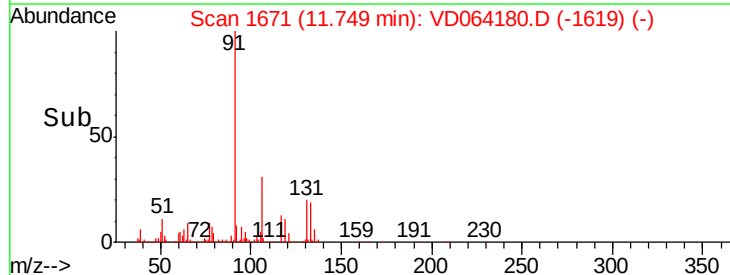
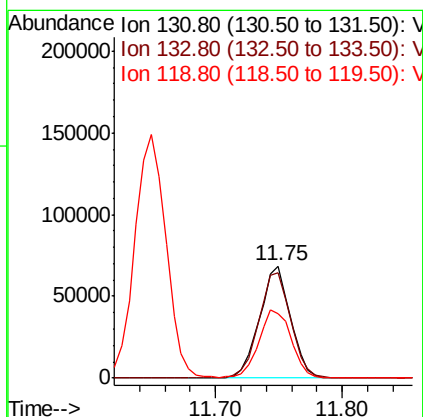
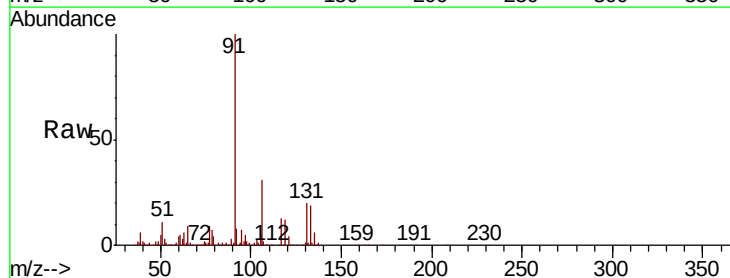
Instrument :
MSVOA_D
ClientSampleId :

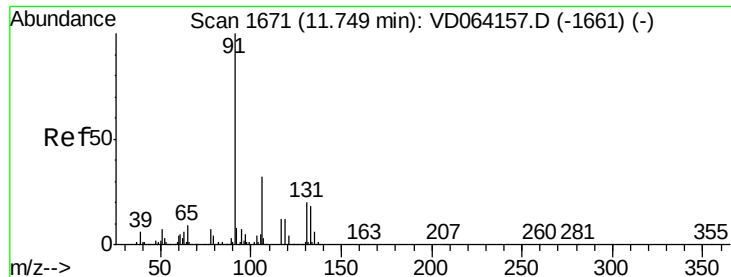
Tot Ion:112 Resp: 310642
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.956 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion:131 Resp: 116666
Ion Ratio Lower Upper
131 100
133 98.2 47.3 141.9
119 64.1 31.1 93.3





#67

Ethyl Benzene

Concen: 19.229 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

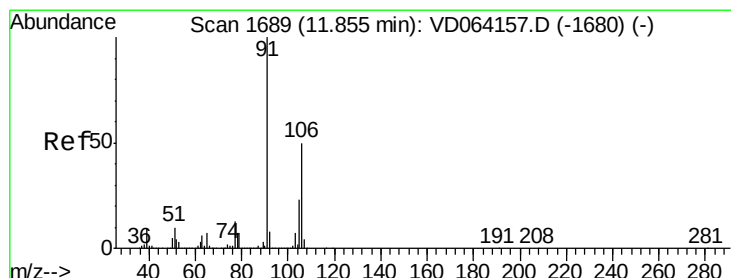
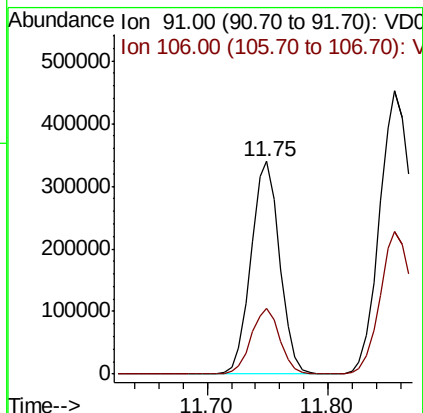
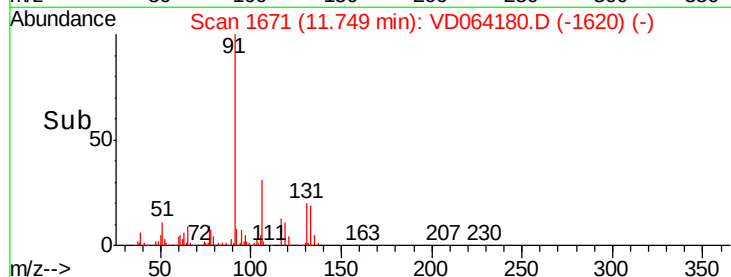
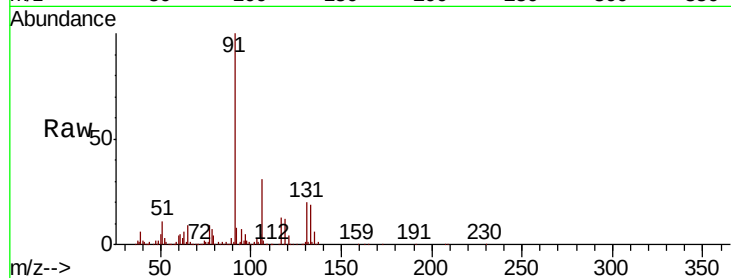
ClientSampleId :

Tot Ion: 91 Resp: 562992

Ion Ratio Lower Upper

91 100

106 31.0 25.5 38.3



#68

m/p-Xylenes

Concen: 38.106 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064180.D

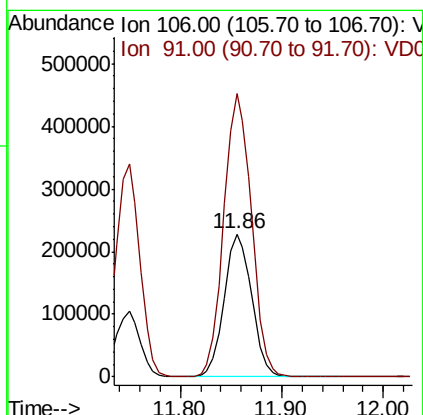
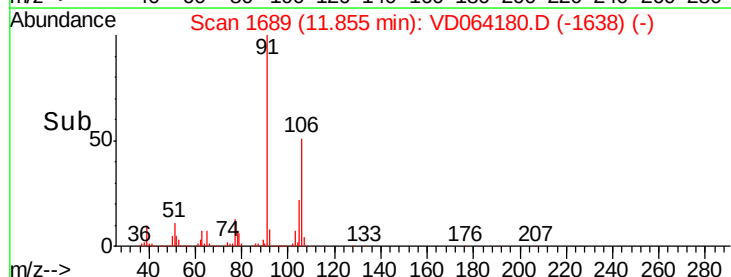
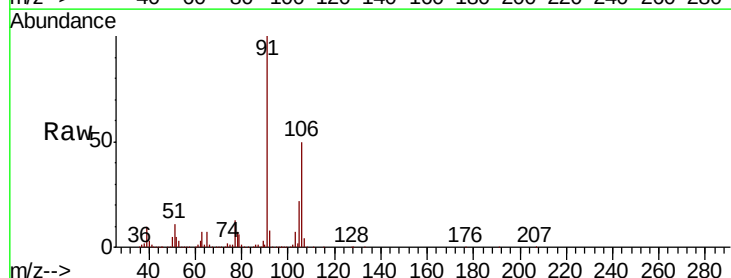
Acq: 11 Nov 2019 16:16

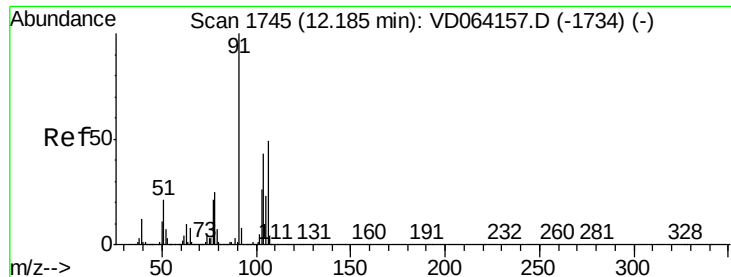
Tgt Ion: 106 Resp: 427642

Ion Ratio Lower Upper

106 100

91 200.5 160.3 240.5

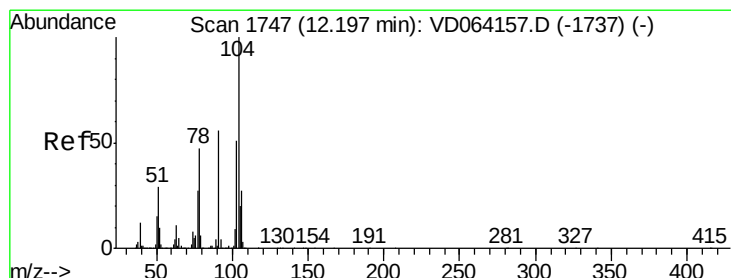
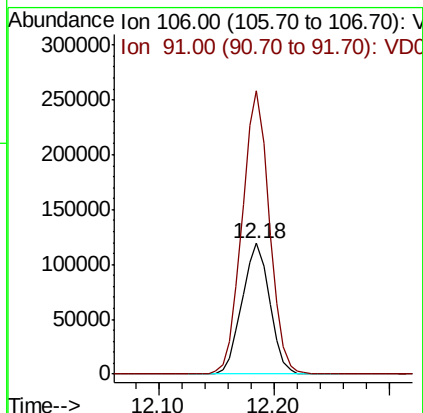
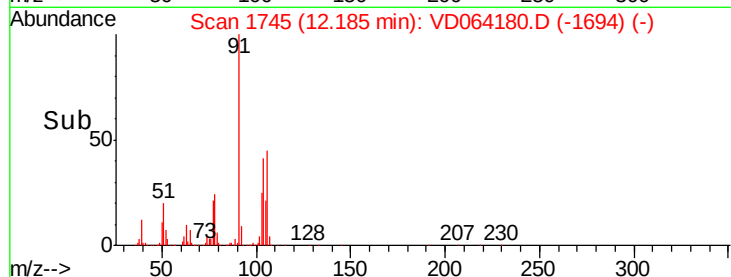
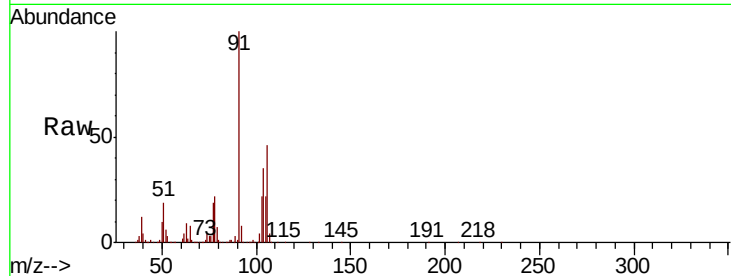




#69
o-Xylene
Concen: 19.066 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

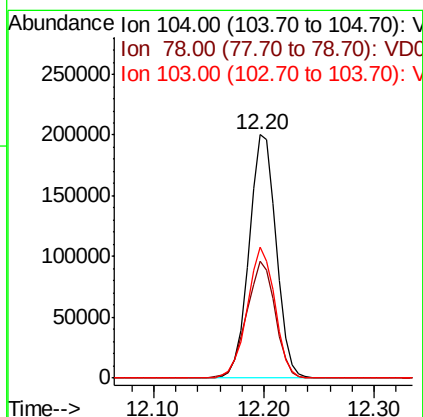
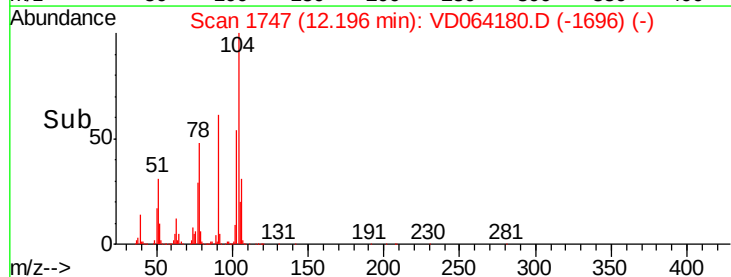
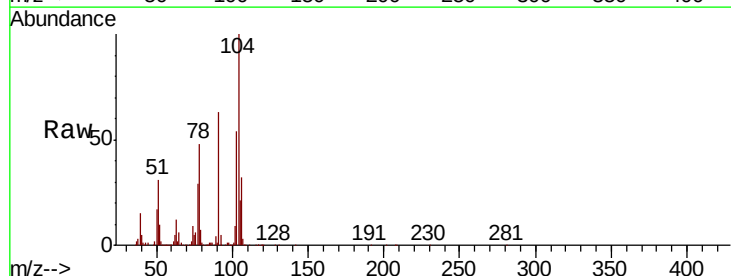
Instrument :
MSVOA_D
ClientSampled :

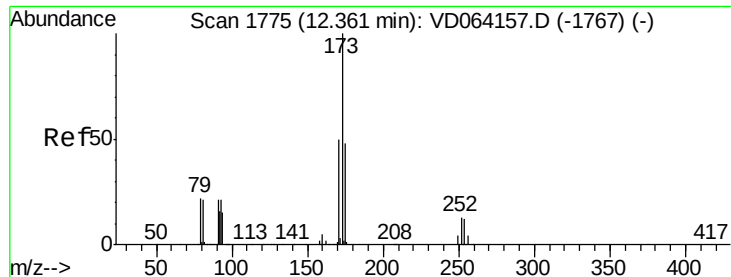
Tot Ion:106 Resp: 198438
Ion Ratio Lower Upper
106 100
91 213.7 105.1 315.3



#70
Styrene
Concen: 19.019 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion:104 Resp: 345540
Ion Ratio Lower Upper
104 100
78 51.1 39.9 59.9
103 55.0 43.4 65.0





#71

Bromoform

Concen: 20.650 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

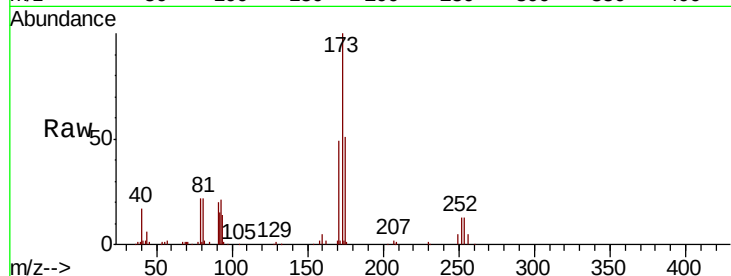
Tot Ion:173 Resp: 72329

Ion Ratio Lower Upper

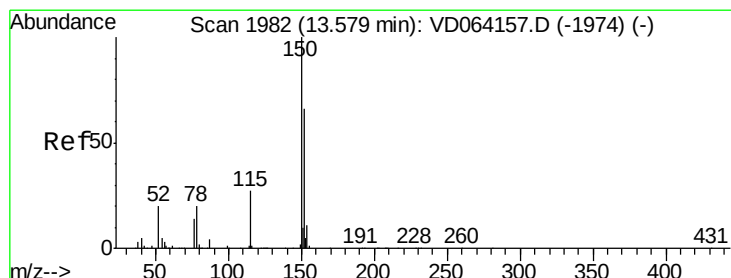
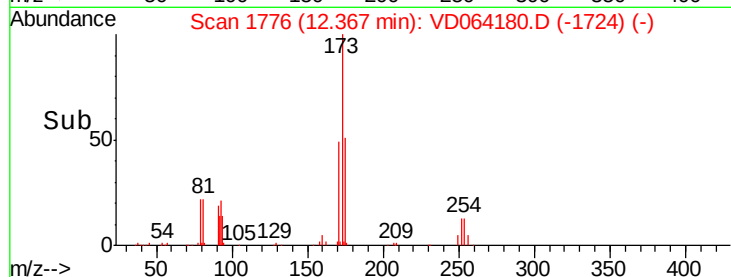
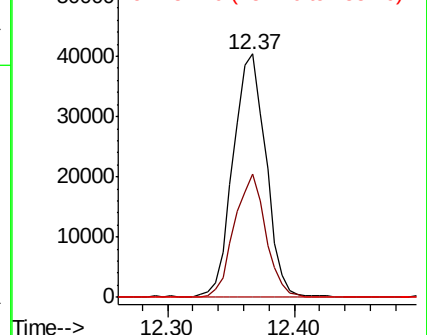
173 100

175 48.1 24.1 72.3

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

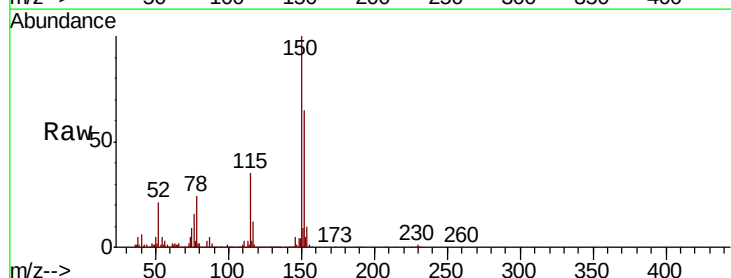
Tgt Ion:152 Resp: 393376

Ion Ratio Lower Upper

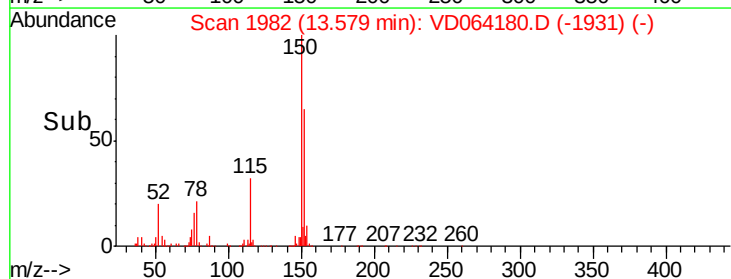
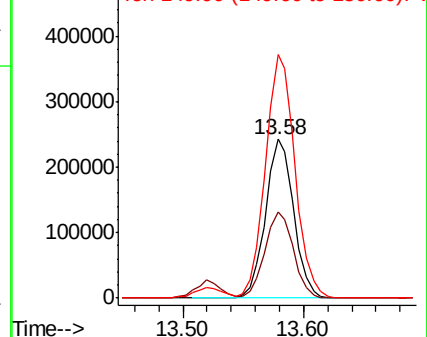
152 100

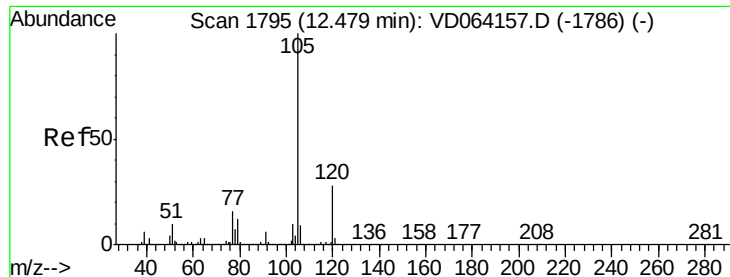
115 54.7 27.4 82.2

150 161.0 0.0 351.6



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: 18.860 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

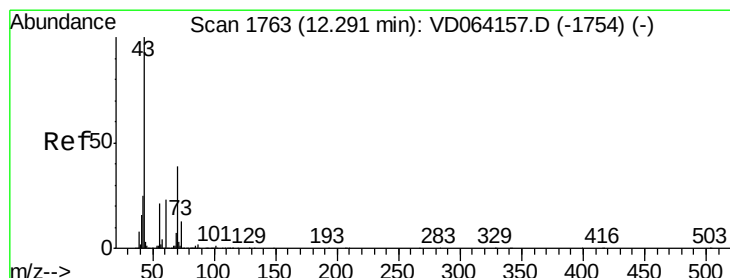
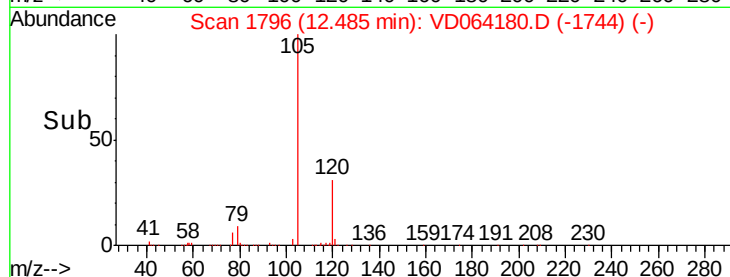
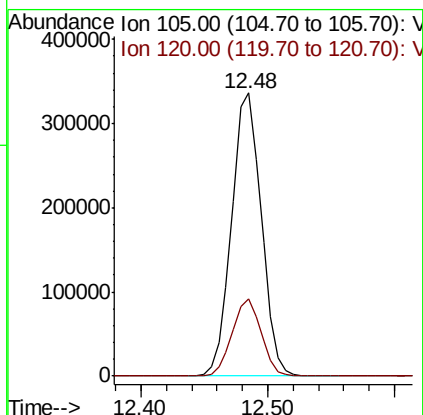
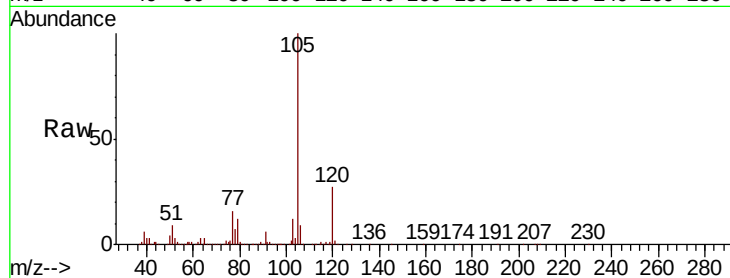
ClientSampleId :

Tot Ion:105 Resp: 544564

Ion Ratio Lower Upper

105 100

120 26.7 13.6 40.8



#74

N-ethyl acetate

Concen: 21.071 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Tgt Ion: 43 Resp: 143669

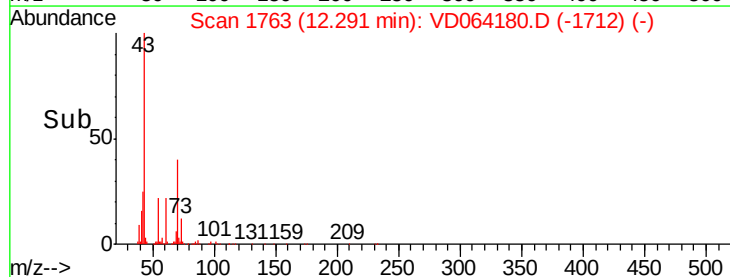
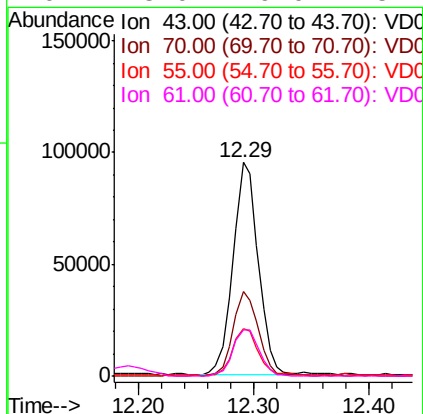
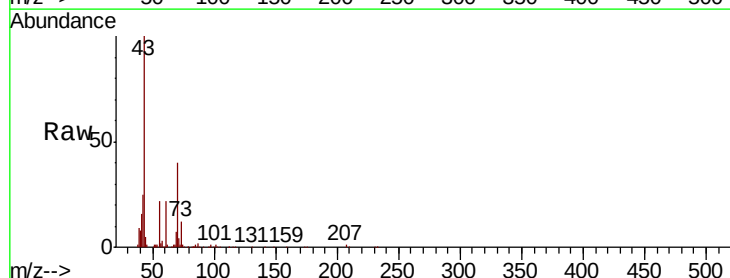
Ion Ratio Lower Upper

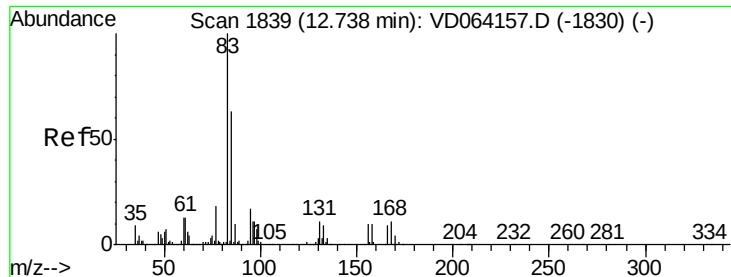
43 100

70 40.0 32.4 48.6

55 22.5 17.9 26.9

61 23.0 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.895 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

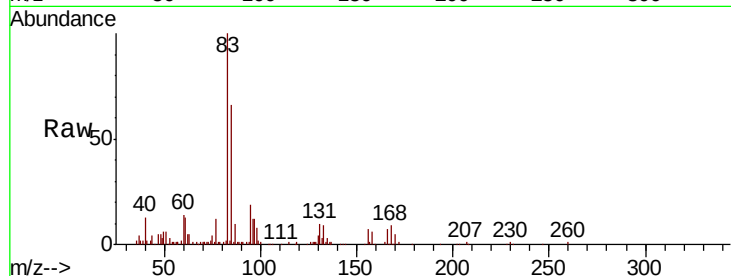
Tot Ion: 83 Resp: 86556

Ion Ratio Lower Upper

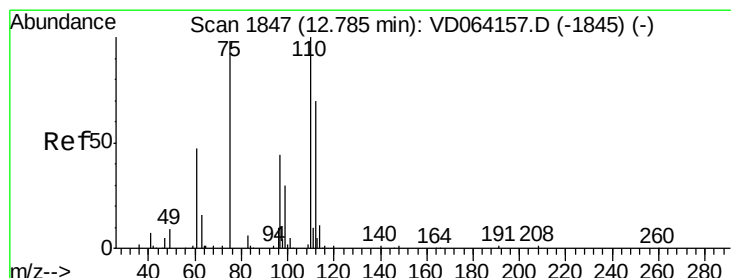
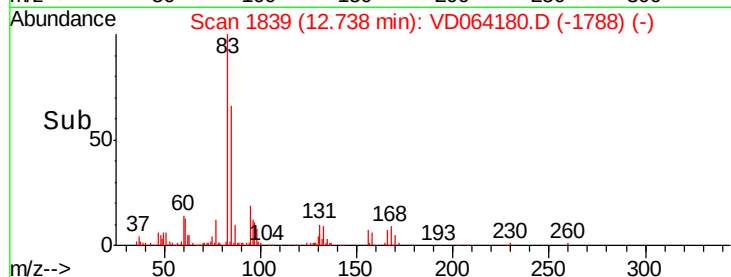
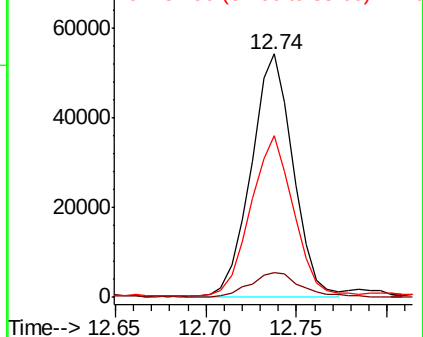
83 100

131 12.8 5.9 17.7

85 67.9 32.5 97.5



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: 39.108 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064180.D

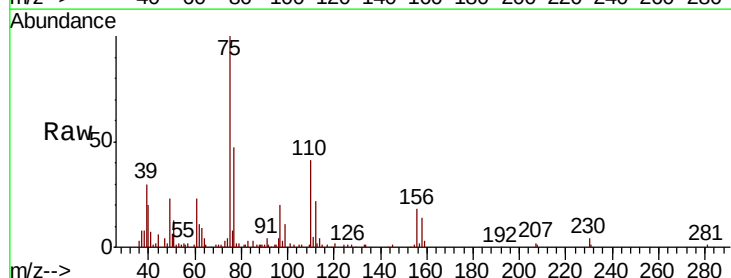
Acq: 11 Nov 2019 16:16

Tgt Ion: 75 Resp: 123914

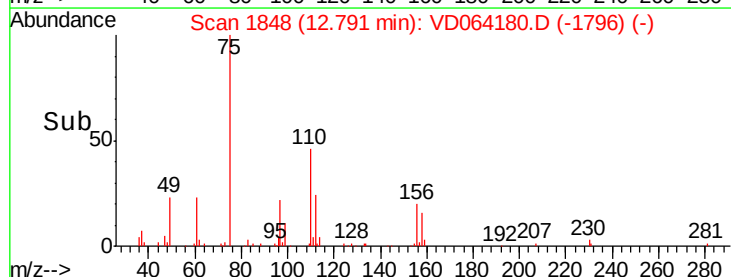
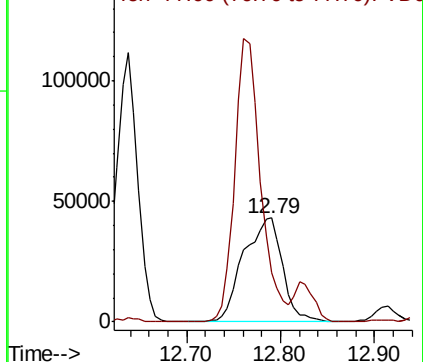
Ion Ratio Lower Upper

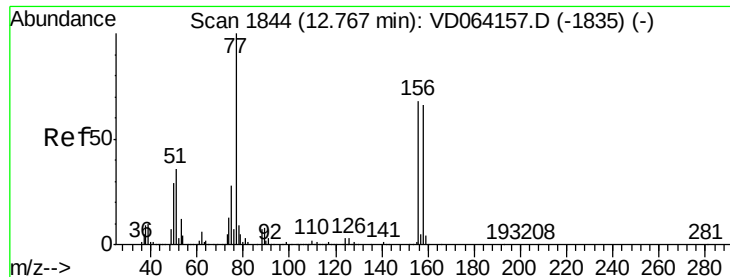
75 100

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: 19.409 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

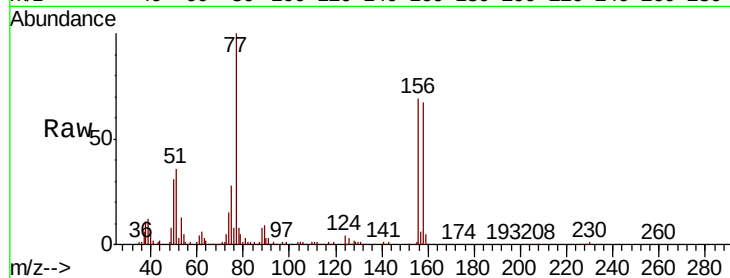
Tot Ion:156 Resp: 136146

Ion Ratio Lower Upper

156 100

77 166.2 81.2 243.4

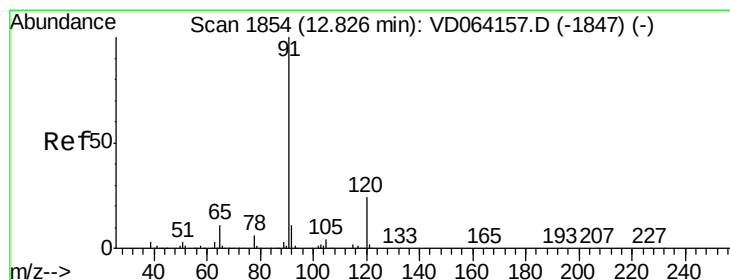
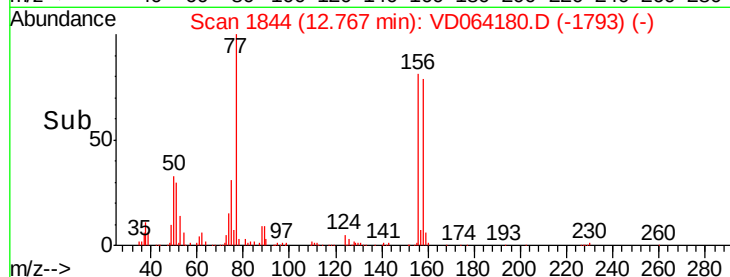
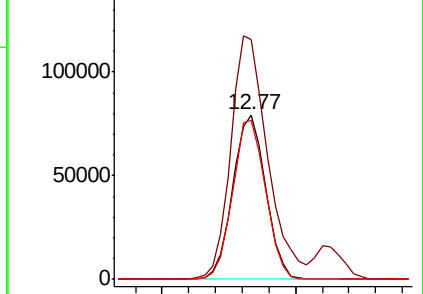
158 96.8 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.949 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064180.D

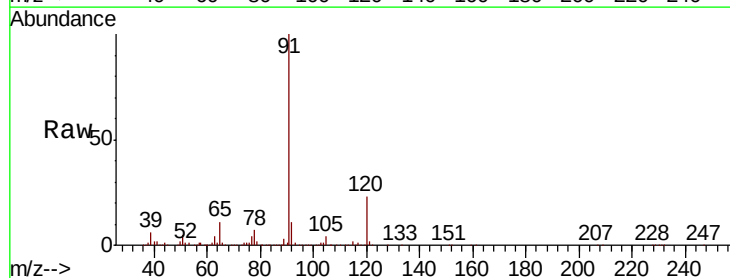
Acq: 11 Nov 2019 16:16

Tgt Ion: 91 Resp: 625098

Ion Ratio Lower Upper

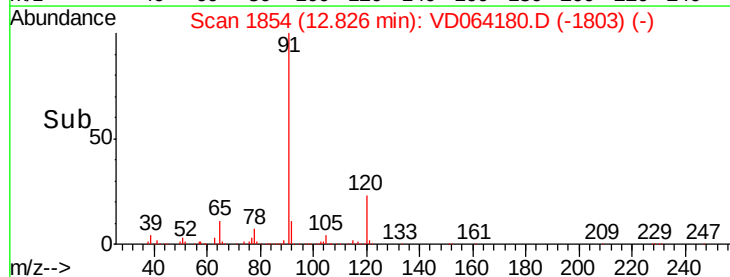
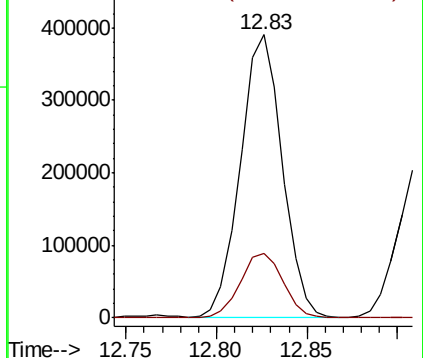
91 100

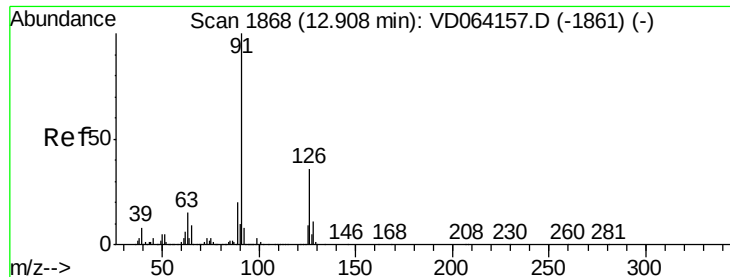
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

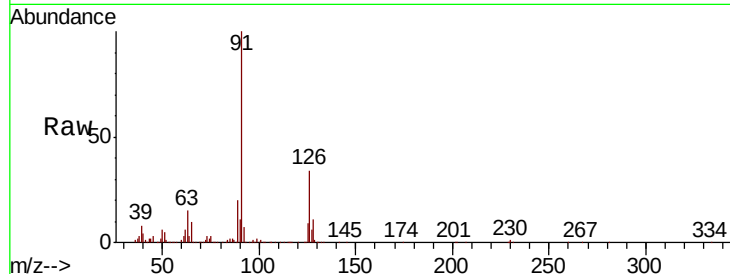




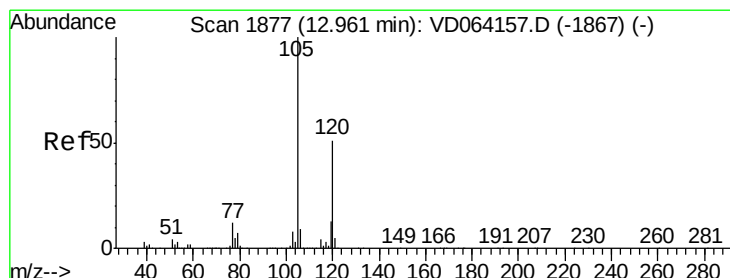
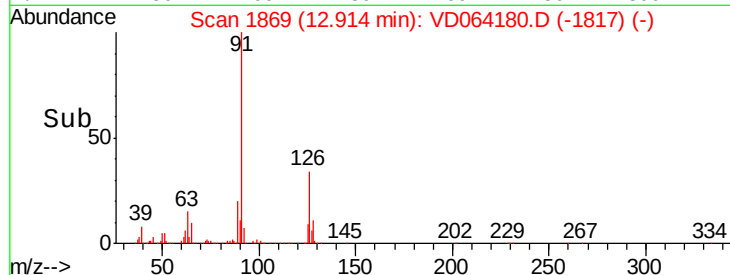
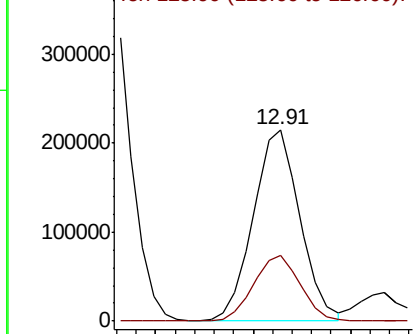
#79
 2-Chlorotoluene
 Concen: 19.022 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 354280
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.7 53.1

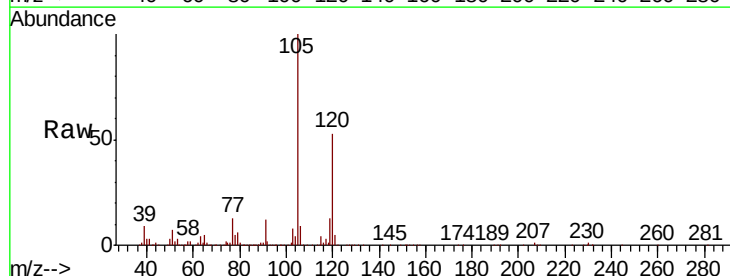


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.90 (125.60 to 126.60): V

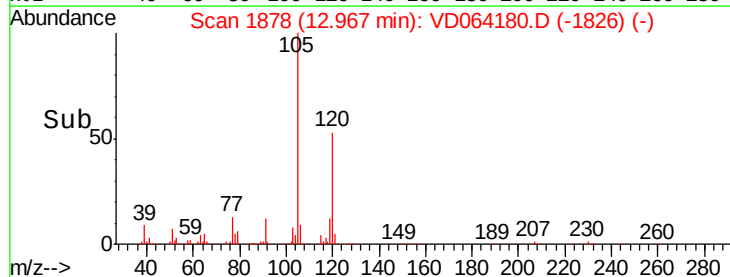
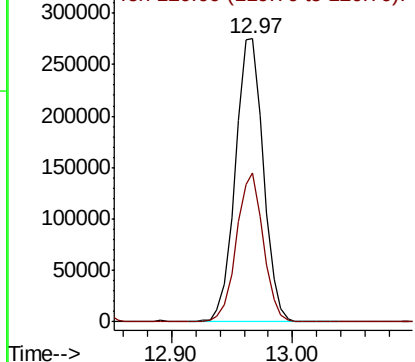


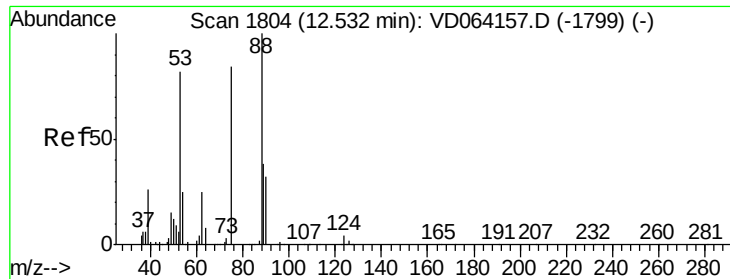
#80
 1,3,5-Trimethylbenzene
 Concen: 18.748 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Tgt Ion: 105 Resp: 444796
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.4 76.4



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

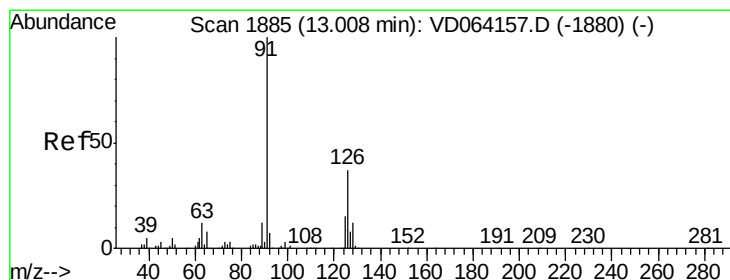
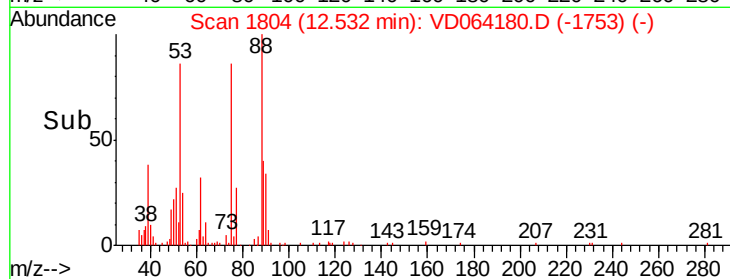
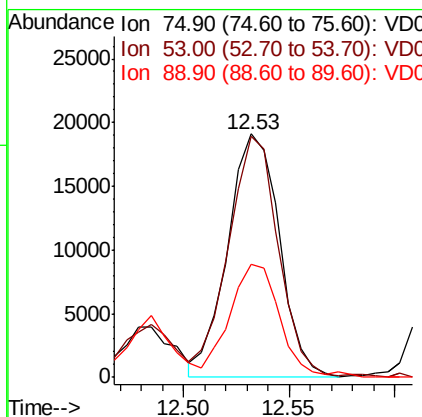
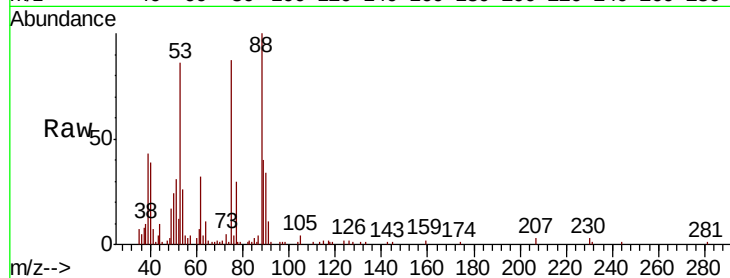




#81
trans-1,4-Dichloro-2-butene
Concen: 20.328 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

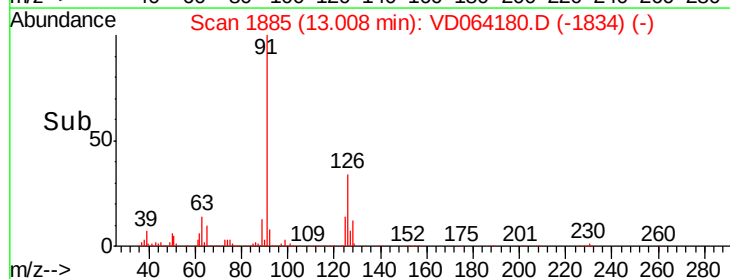
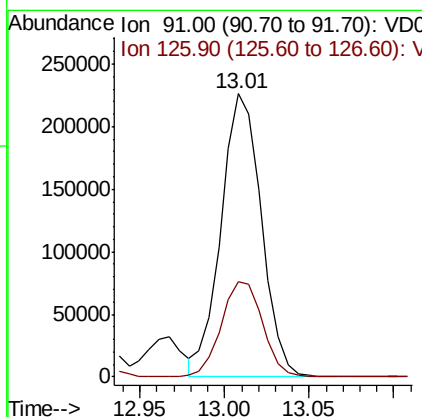
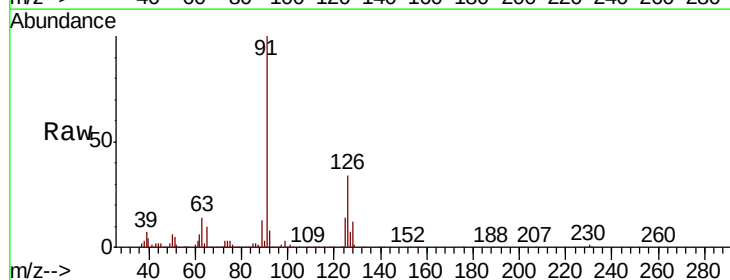
Instrument :
MSVOA_D
ClientSampleId :

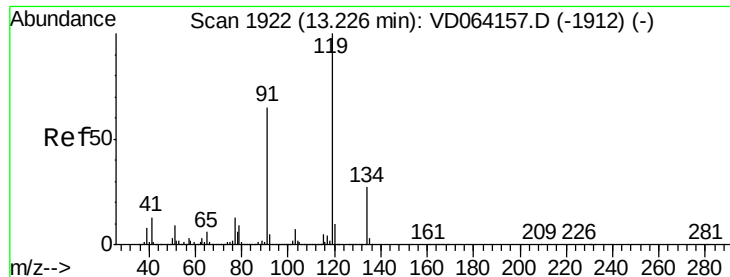
Tot Ion: 75 Resp: 32426
Ion Ratio Lower Upper
75 100
53 96.8 79.4 119.0
89 44.9 36.6 55.0



#82
4-Chlorotoluene
Concen: 19.271 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion: 91 Resp: 374350
Ion Ratio Lower Upper
91 100
126 34.6 17.8 53.4





#83

tert-Butylbenzene

Concen: 18.664 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

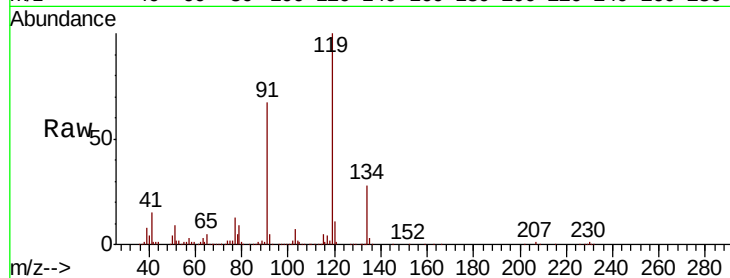
Tot Ion:119 Resp: 390473

Ion Ratio Lower Upper

119 100

91 63.8 31.8 95.4

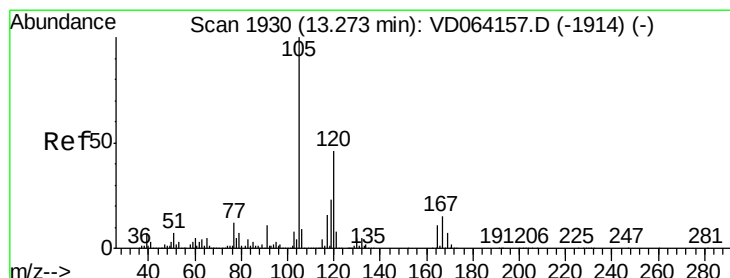
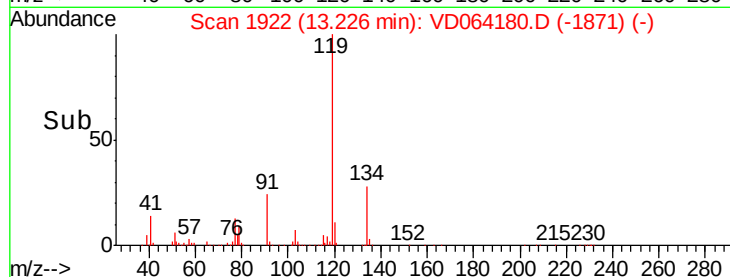
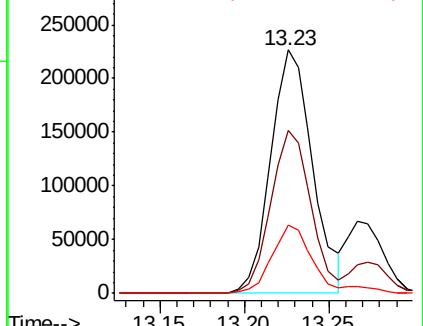
134 28.1 13.7 41.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.702 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD064180.D

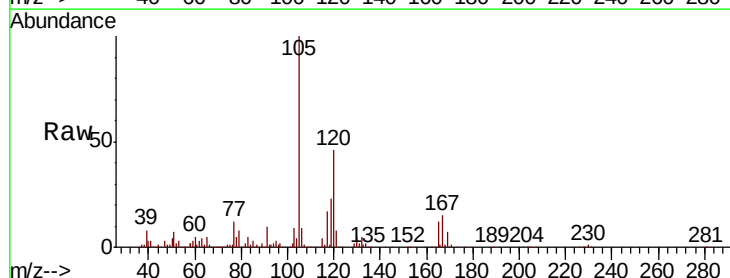
Acq: 11 Nov 2019 16:16

Tgt Ion:105 Resp: 438058

Ion Ratio Lower Upper

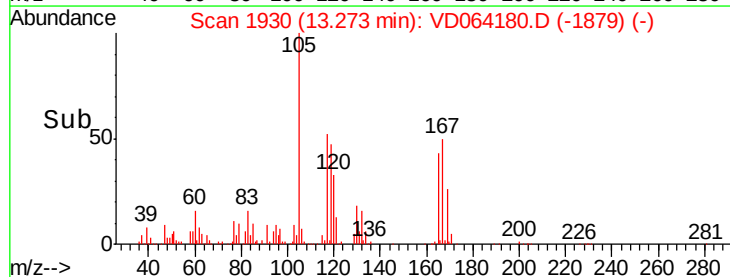
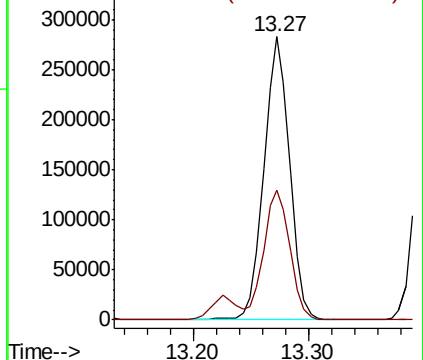
105 100

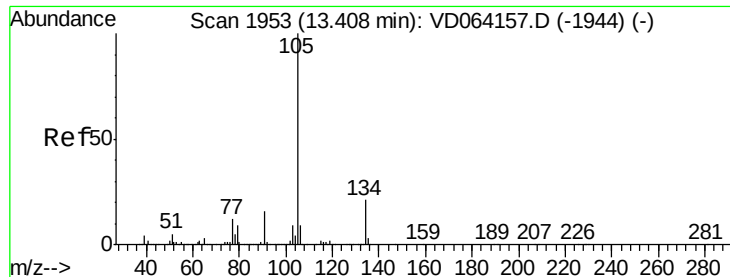
120 47.0 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.788 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

Instrument :

MSVOA_D

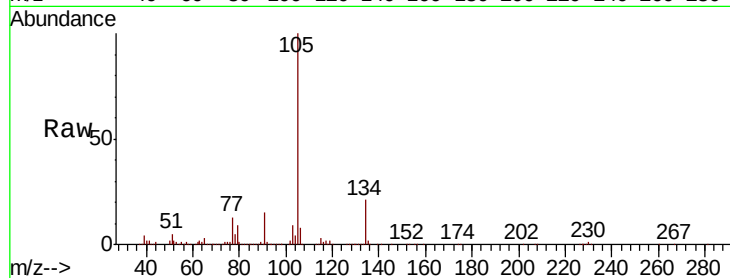
ClientSampleId :

Tot Ion:105 Resp: 527909

Ion Ratio Lower Upper

105 100

134 21.1 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

300000

200000

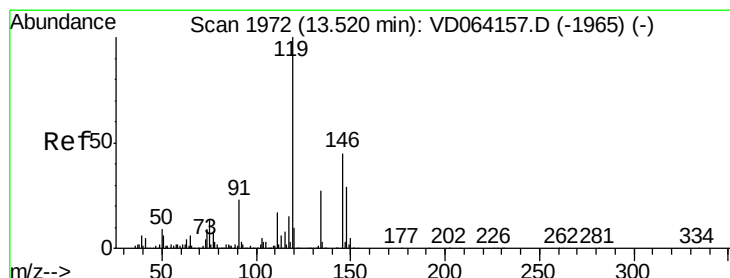
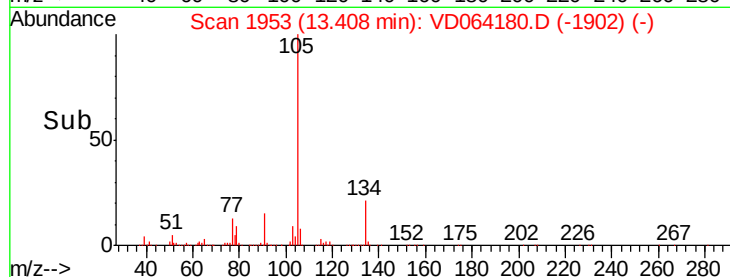
100000

0

Time--> 13.30

13.40

13.50



#86

p-Isopropyltoluene

Concen: 18.416 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD064180.D

Acq: 11 Nov 2019 16:16

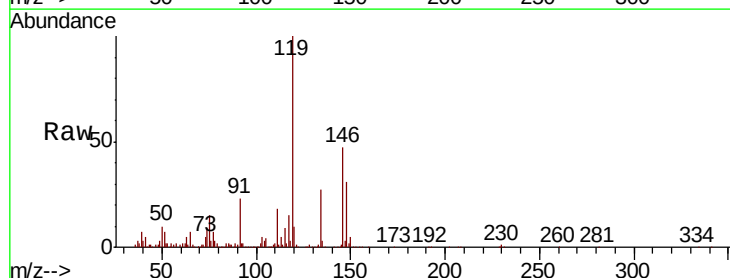
Tgt Ion:119 Resp: 491945

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.5

91 23.4 11.5 34.4



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

13.52

400000

300000

200000

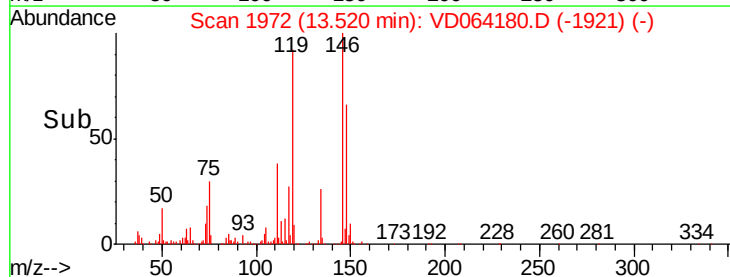
100000

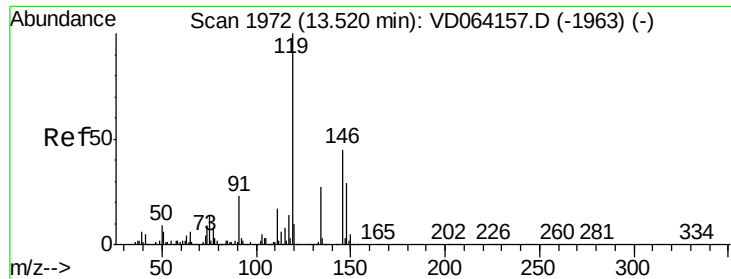
0

Time--> 13.50

13.52

13.60

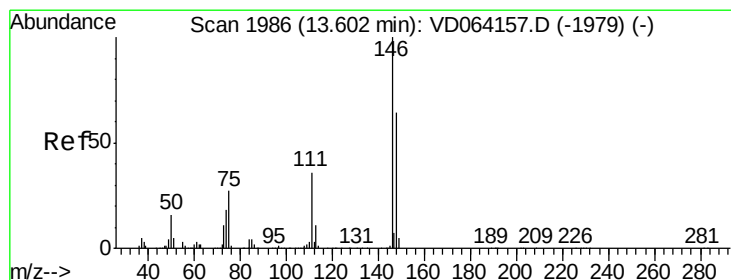
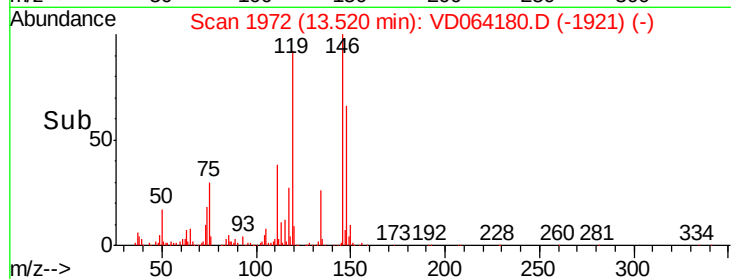
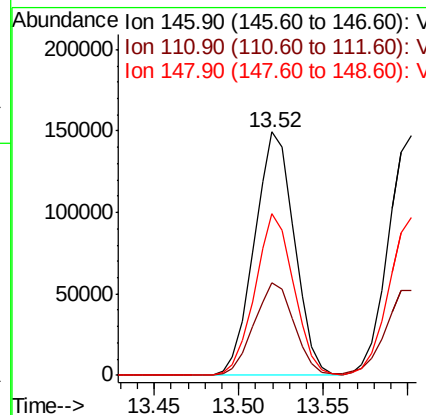
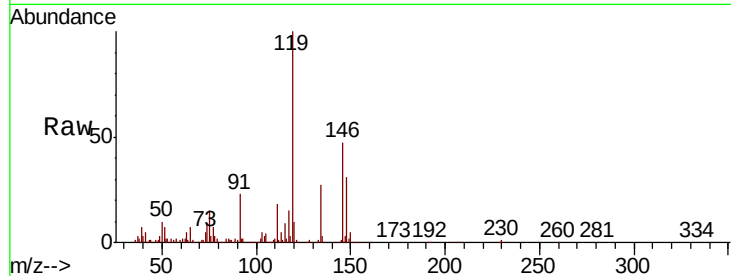




#87
 1,3-Dichlorobenzene
 Concen: 18.907 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

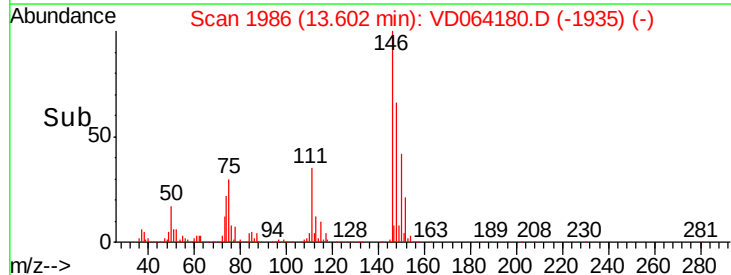
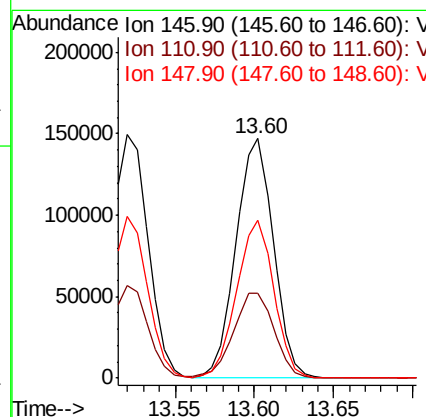
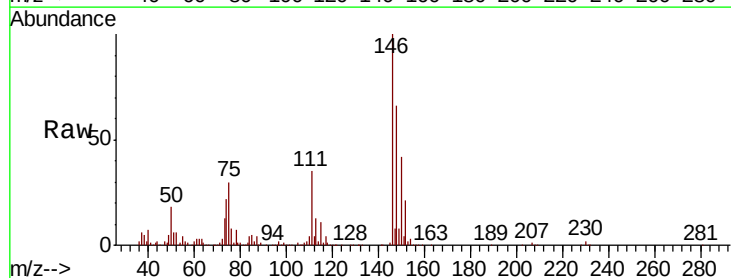
Instrument :
 MSVOA_D
 ClientSampleId :

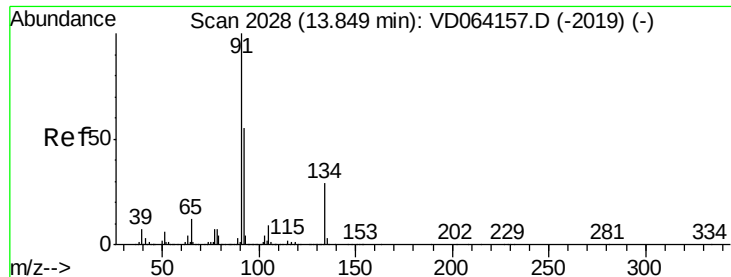
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.9
148	64.4	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.997 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.1	54.4
148	65.5	31.9	95.7

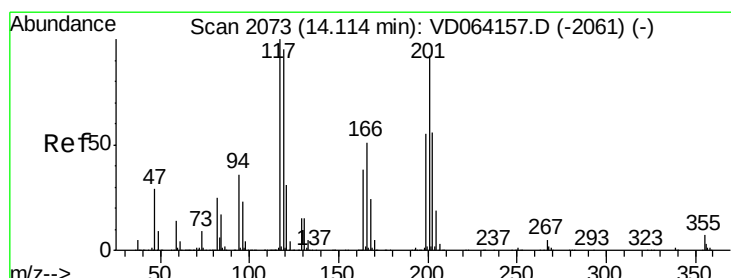
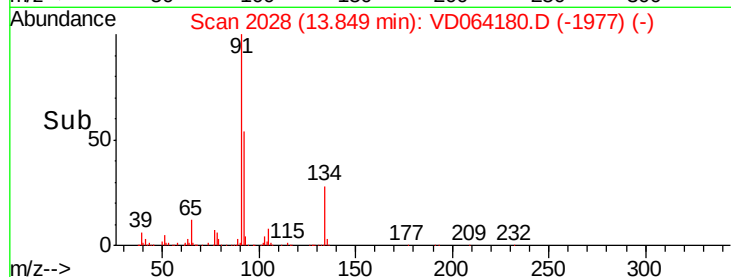
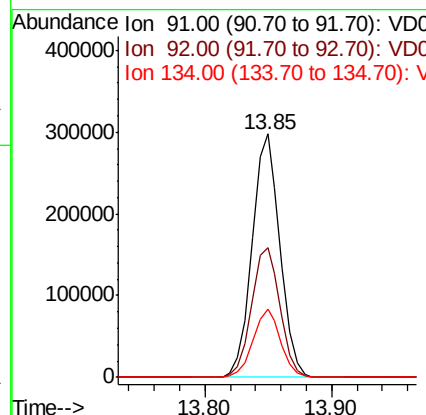
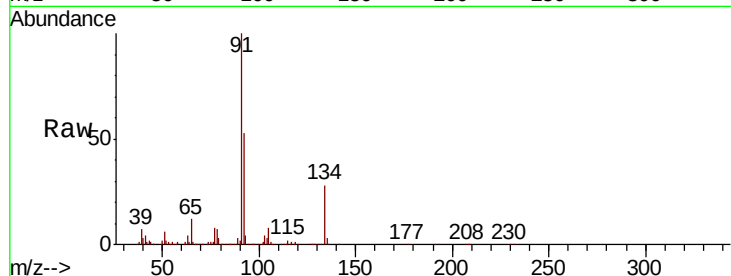




#89
n-Butylbenzene
Concen: 18.736 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

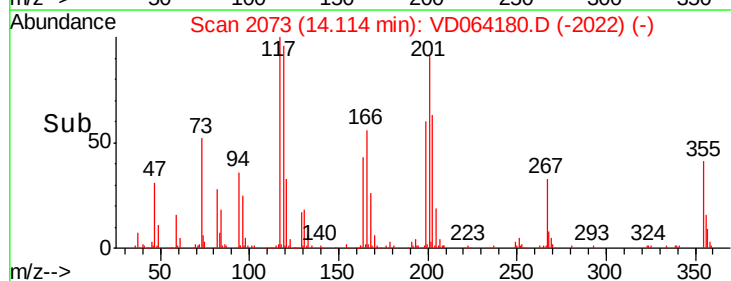
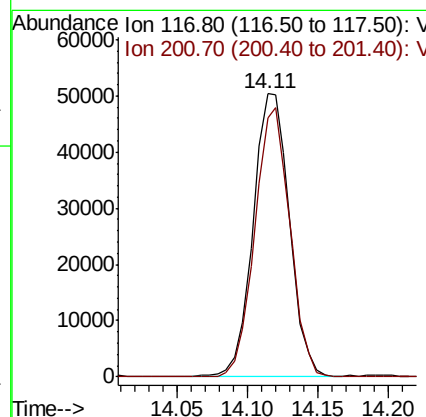
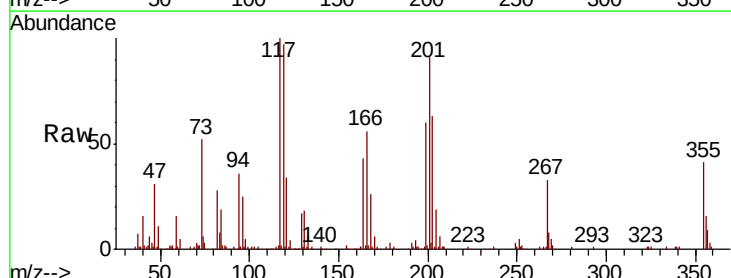
Instrument :
MSVOA_D
ClientSampleId :

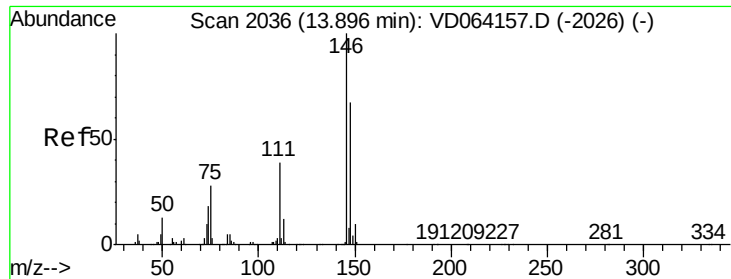
Tot Ion: 91 Resp: 452176
Ion Ratio Lower Upper
91 100
92 54.6 27.3 81.8
134 27.9 14.1 42.4



#90
Hexachloroethane
Concen: 18.437 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion: 117 Resp: 91022
Ion Ratio Lower Upper
117 100
201 91.8 45.8 137.4

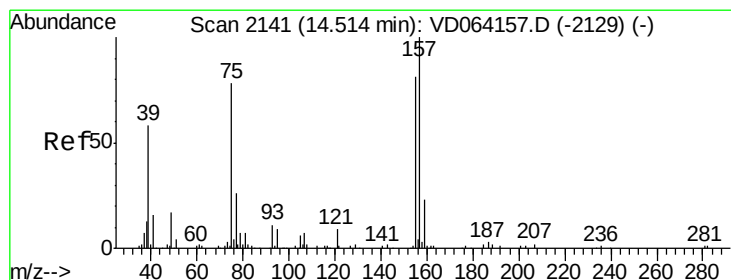
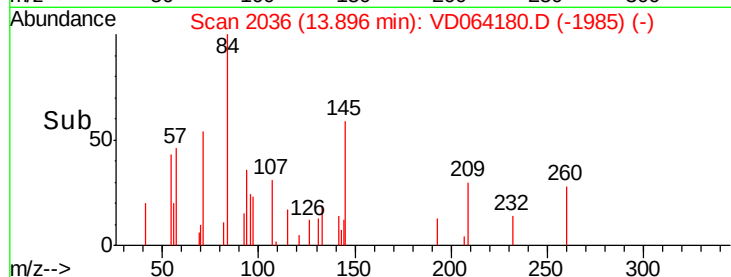
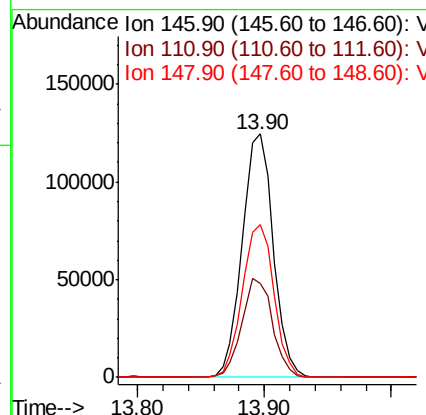
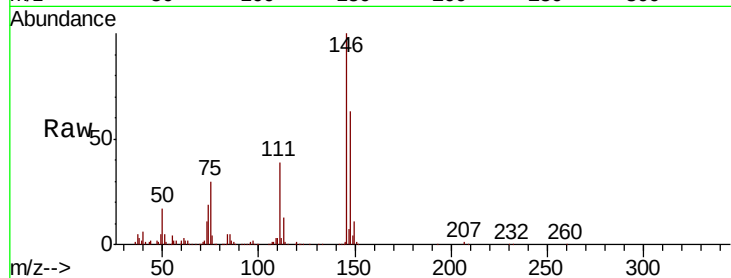




#91
 1,2-Dichlorobenzene
 Concen: 19.209 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

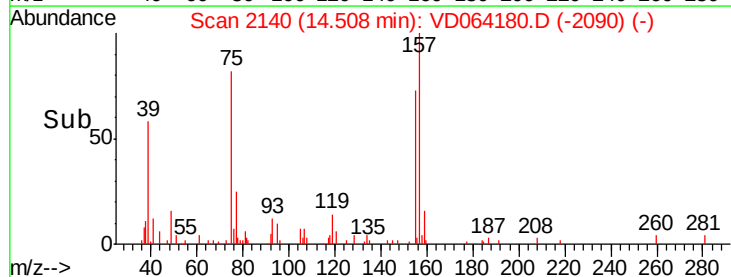
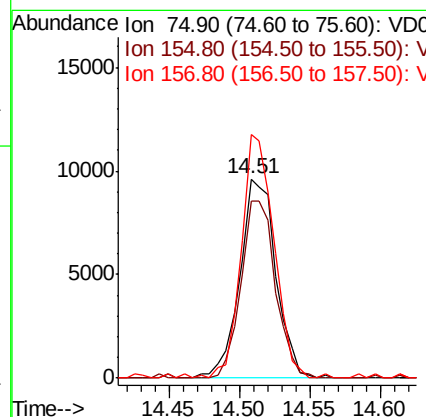
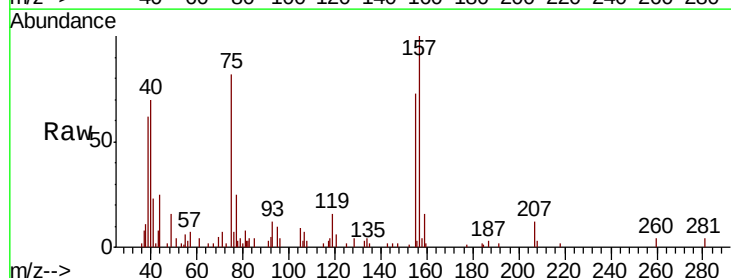
Instrument :
 MSVOA_D
 ClientSampleId :

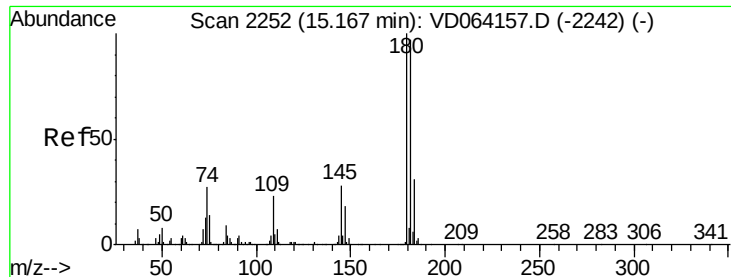
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.7	59.0
148	64.1	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.051 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.9	48.0	144.0
157	110.4	61.5	184.4

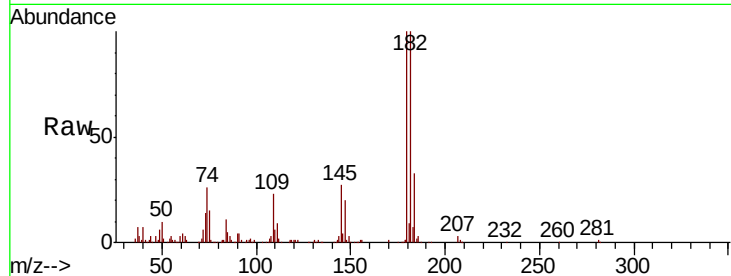




#93
 1,2,4-Trichlorobenzene
 Concen: 18.799 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.5	47.5	142.5
145	28.8	14.2	42.6

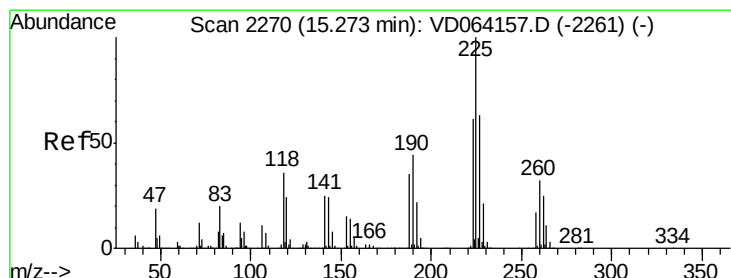
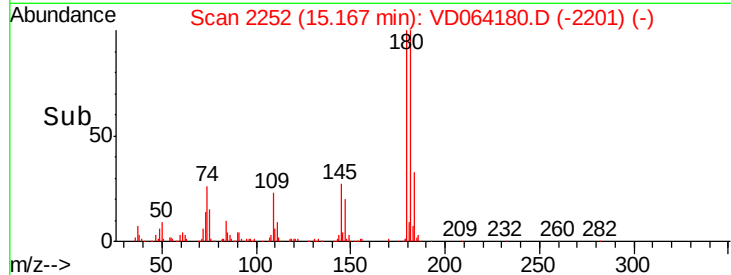
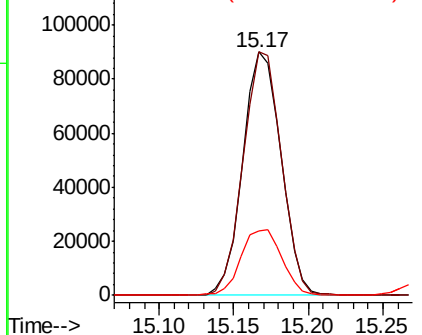


Abundance

Ion 179.80 (179.50 to 180.50): V

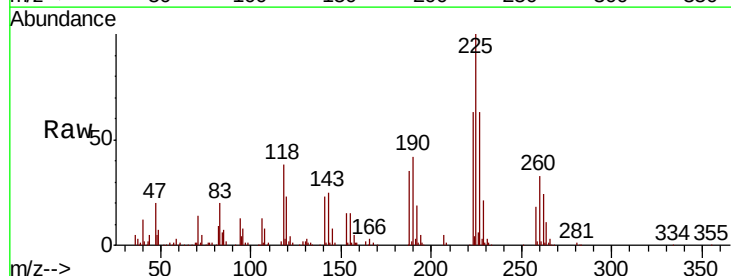
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.530 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD064180.D
 Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.1	93.3
227	63.5	31.5	94.5

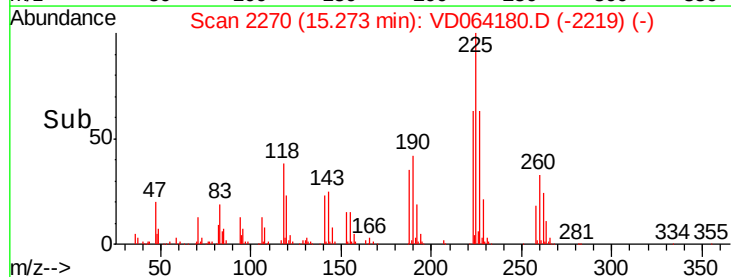
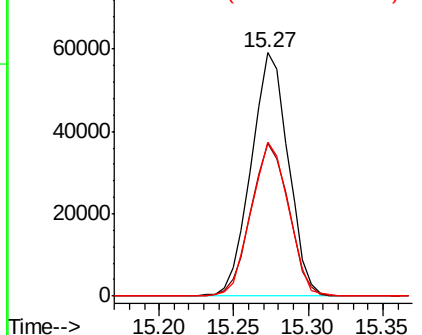


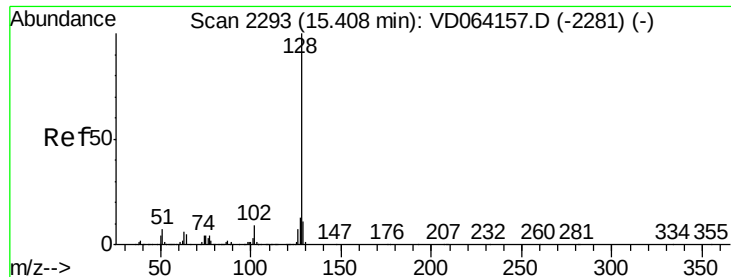
Abundance

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

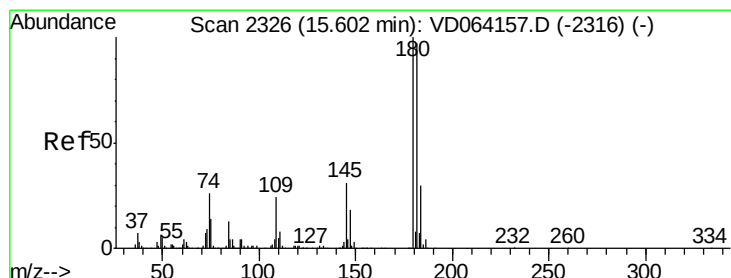
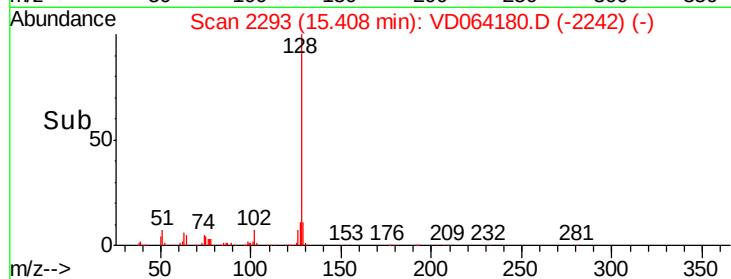
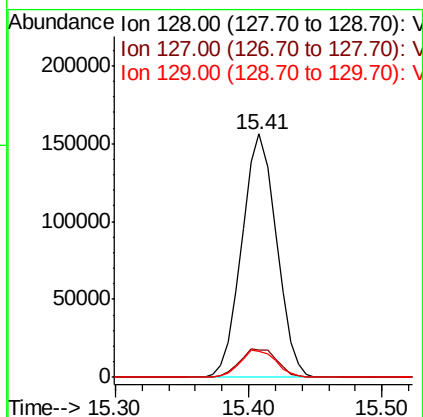
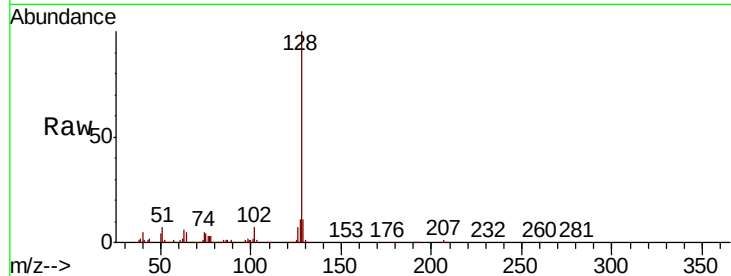




#95
Naphthalene
Concen: 20.155 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.6	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.142 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD064180.D
Acq: 11 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.3	144.9
145	31.2	15.3	45.8

