

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064243.D
 Acq On : 16 Nov 2019 00:34
 Operator : VA/SY
 Sample : VD1115SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 18 00:43:06 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	585849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	858363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	755357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	361542	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	246923	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
35) Dibromofluoromethane	7.92	113	255213	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
50) Toluene-d8	10.34	98	906665	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.64	95	309987	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	89452	18.410	ug/l	95
3) Chloromethane	2.21	50	107216	20.572	ug/l	97
4) Vinyl Chloride	2.35	62	124583	22.354	ug/l	99
5) Bromomethane	2.76	94	90629	25.752	ug/l	97
6) Chloroethane	2.92	64	86626	24.325	ug/l	96
7) Trichlorofluoromethane	3.27	101	223449	24.729	ug/l	95
8) Diethyl Ether	3.71	74	53622	21.582	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	102100	19.769	ug/l	99
10) Methyl Iodide	4.29	142	106690	19.393	ug/l	96
11) Tert butyl alcohol	5.25	59	37393	111.112	ug/l	98
12) 1,1-Dichloroethene	4.06	96	96151	19.532	ug/l	94
13) Acrolein	3.93	56	21340	74.956	ug/l	93
14) Allyl chloride	4.70	41	164858	18.941	ug/l	98
15) Acrylonitrile	5.43	53	118512	111.890	ug/l	99
16) Acetone	4.17	43	89623	78.517	ug/l	99
17) Carbon Disulfide	4.40	76	286459	18.686	ug/l	98
18) Methyl Acetate	4.73	43	68397	21.454	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	249323	21.215	ug/l	97
20) Methylene Chloride	4.96	84	119167	20.668	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	109506	19.634	ug/l	97
22) Diisopropyl ether	6.37	45	322690	19.982	ug/l	96
23) Vinyl Acetate	6.31	43	936048	103.981	ug/l	99
24) 1,1-Dichloroethane	6.26	63	190550	20.321	ug/l	99
25) 2-Butanone	7.23	43	150754	102.228	ug/l	98
26) 2,2-Dichloropropane	7.21	77	159714	17.368	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	127258	21.277	ug/l	91
28) Bromochloromethane	7.55	49	52878	16.198	ug/l	96
29) Tetrahydrofuran	7.57	42	97261	109.772	ug/l	98
30) Chloroform	7.71	83	209897	21.884	ug/l	97
31) Cyclohexane	7.98	56	171720	18.159	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	180544	19.658	ug/l	99
36) 1,1-Dichloropropene	8.11	75	152827	19.292	ug/l	98
37) Ethyl Acetate	7.30	43	69905	20.931	ug/l	97
38) Carbon Tetrachloride	8.10	117	163681	19.310	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	183978	18.354	ug/l	97
40) Benzene	8.35	78	423726	19.571	ug/l	99
41) Methacrylonitrile	7.53	41	39031	18.594	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	131474	20.219	ug/l	99
43) Isopropyl Acetate	8.46	43	138466	20.123	ug/l	98
44) Trichloroethene	9.11	130	129106	19.868	ug/l	98
45) 1,2-Dichloropropane	9.39	63	104012	19.737	ug/l	97
46) Dibromomethane	9.48	93	60314	21.379	ug/l	99
47) Bromodichloromethane	9.67	83	154306	20.305	ug/l	99
48) Methyl methacrylate	9.46	41	64267	19.100	ug/l	88
49) 1,4-Dioxane	9.47	88	15955	470.892	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	343785	104.183	ug/l	100
52) Toluene	10.41	92	284880	20.010	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	145967	19.173	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	172398	19.405	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	82943	21.672	ug/l	98
56) Ethyl methacrylate	10.67	69	110348	20.612	ug/l	96
57) 1,3-Dichloropropane	10.95	76	139619	20.918	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	210737	97.174	ug/l	99
59) 2-Hexanone	10.99	43	232585	99.072	ug/l	100
60) Dibromochloromethane	11.14	129	111545	20.887	ug/l	100
61) 1,2-Dibromoethane	11.25	107	80016	20.874	ug/l	98
64) Tetrachloroethene	10.88	164	111650	19.219	ug/l	98
65) Chlorobenzene	11.67	112	302213	19.675	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	116950	20.024	ug/l	99
67) Ethyl Benzene	11.75	91	535528	19.275	ug/l	98
68) m/p-Xylenes	11.86	106	411743	38.663	ug/l	99
69) o-Xylene	12.18	106	194227	19.665	ug/l	96
70) Styrene	12.20	104	332525	19.287	ug/l	99
71) Bromoform	12.37	173	69683	20.964	ug/l #	98
73) Isopropylbenzene	12.48	105	515194	19.414	ug/l	98
74) N-amyl acetate	12.30	43	125250	19.987	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	86741	21.693	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	116585	40.035	ug/l #	100
77) Bromobenzene	12.77	156	135841	21.070	ug/l	96
78) n-propylbenzene	12.83	91	590940	19.491	ug/l	99
79) 2-Chlorotoluene	12.91	91	329087	19.225	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	423262	19.411	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	25740	17.558	ug/l	89
82) 4-Chlorotoluene	13.01	91	345762	19.366	ug/l	100
83) tert-Butylbenzene	13.23	119	373983	19.450	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	416322	19.339	ug/l	98
85) sec-Butylbenzene	13.41	105	493050	19.092	ug/l	100
86) p-Isopropyltoluene	13.52	119	465224	18.949	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	237787	19.869	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	238905	20.454	ug/l	100
89) n-Butylbenzene	13.85	91	415523	18.733	ug/l	99
90) Hexachloroethane	14.12	117	86534	19.072	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	211778	20.907	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14571	20.381	ug/l	95

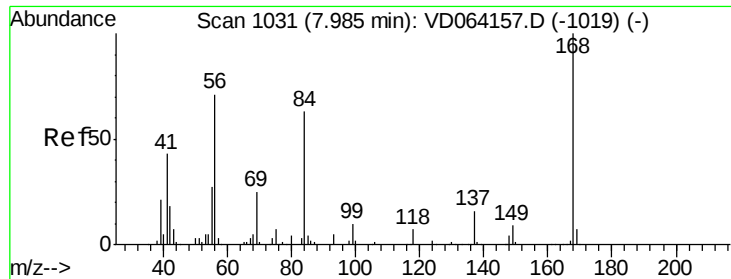
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	153725	19.673	ug/l	99
94) Hexachlorobutadiene	15.28	225	96318	19.084	ug/l	98
95) Naphthalene	15.41	128	279586	21.827	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	137177	20.653	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: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

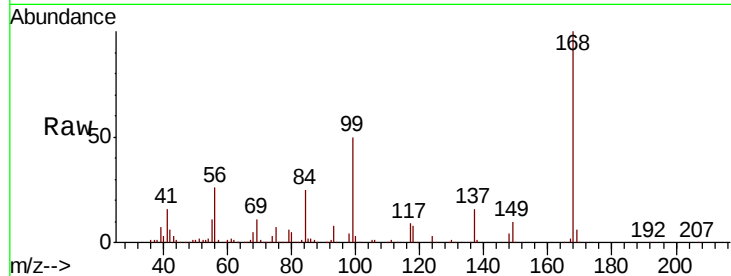
ClientSampleId :

Tot Ion:168 Resp: 585849

Ion Ratio Lower Upper

168 100

99 49.4 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

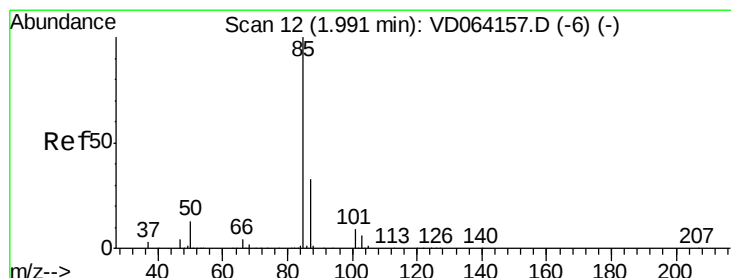
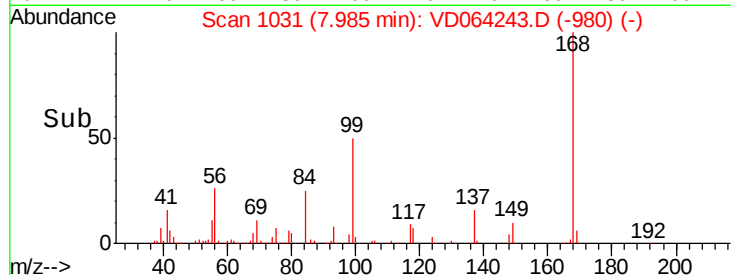
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.410 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064243.D

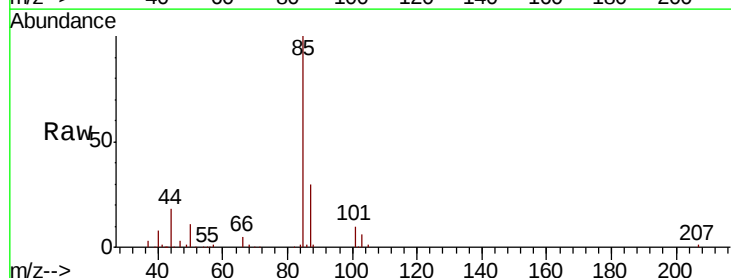
Acq: 16 Nov 2019 00:34

Tgt Ion: 85 Resp: 89452

Ion Ratio Lower Upper

85 100

87 30.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

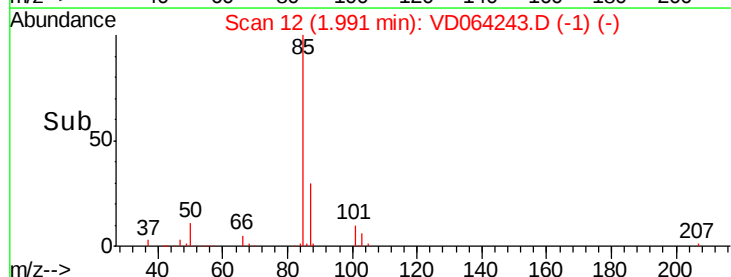
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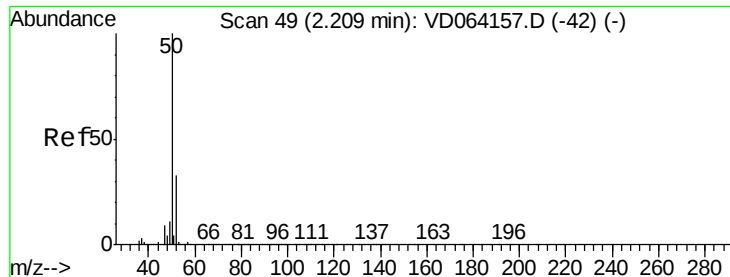
40000

20000

0

Time-->





#3

Chloromethane

Concen: 20.572 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

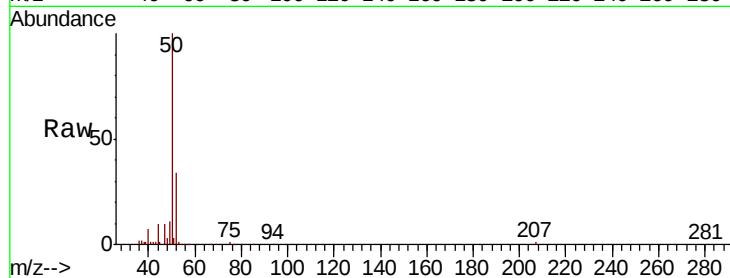
ClientSampleId :

Tot Ion: 50 Resp: 107216

Ion Ratio Lower Upper

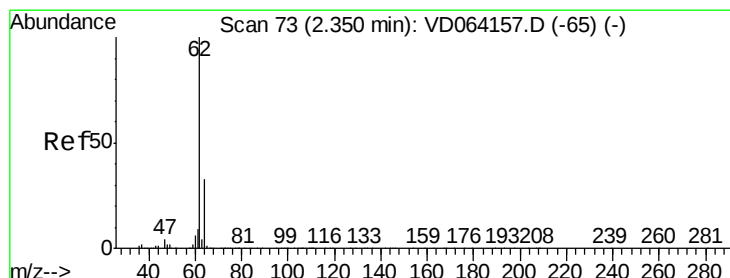
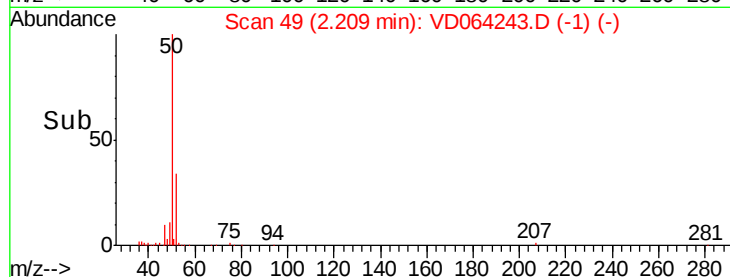
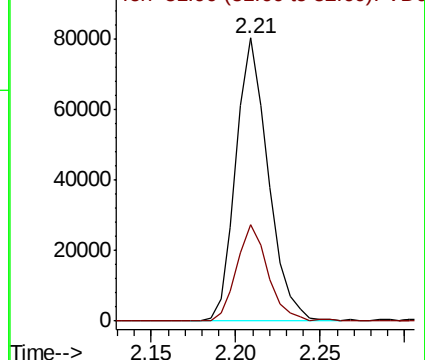
50 100

52 34.3 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: 22.354 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064243.D

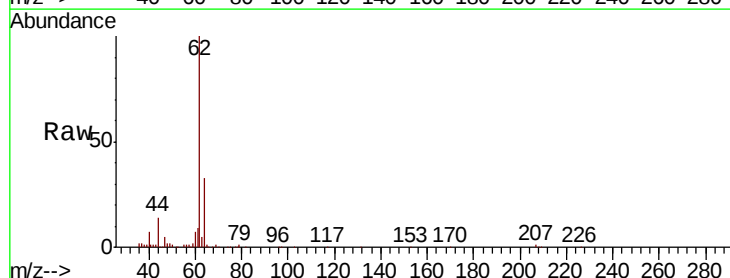
Acq: 16 Nov 2019 00:34

Tgt Ion: 62 Resp: 124583

Ion Ratio Lower Upper

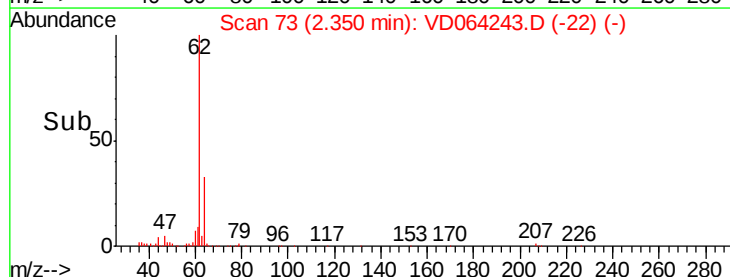
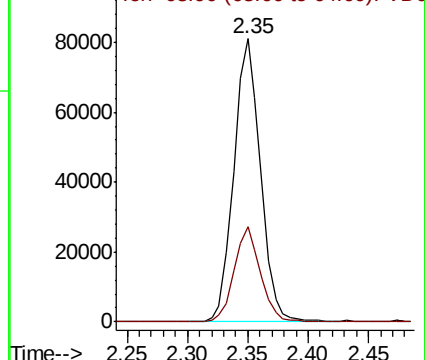
62 100

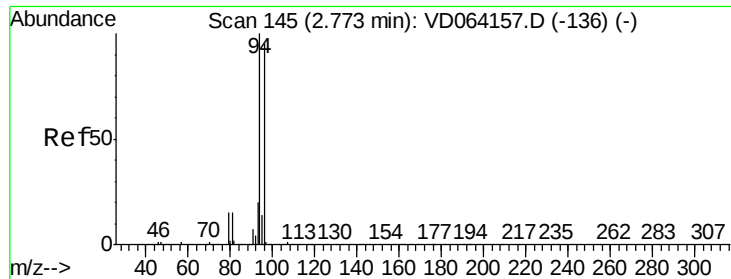
64 33.5 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 25.752 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

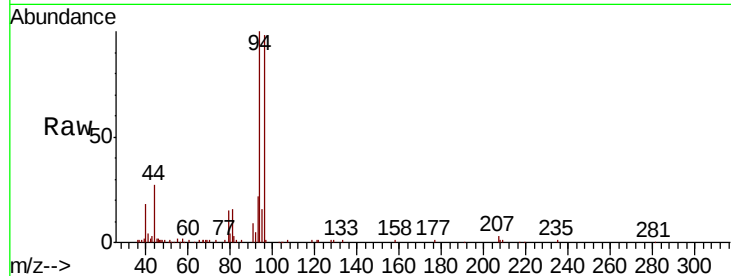
ClientSampleId :

Tot Ion: 94 Resp: 90629

Ion Ratio Lower Upper

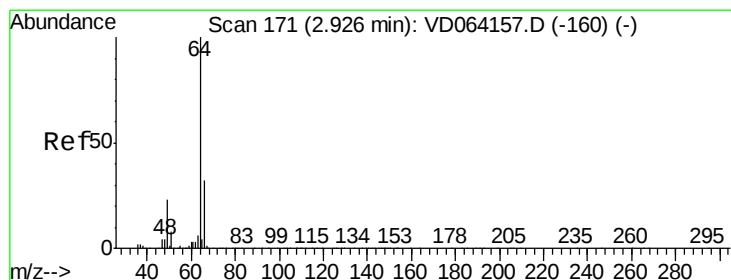
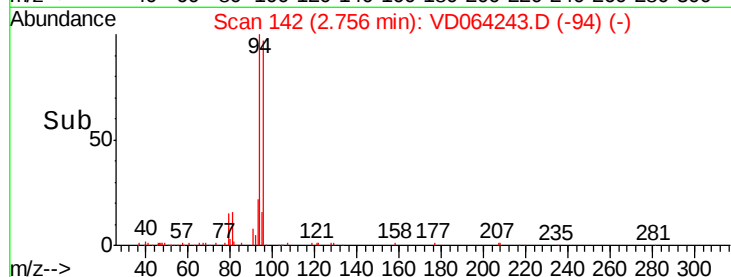
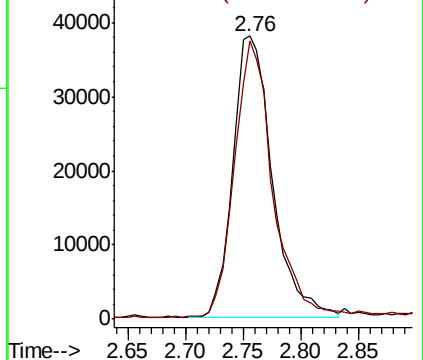
94 100

96 97.8 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.325 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064243.D

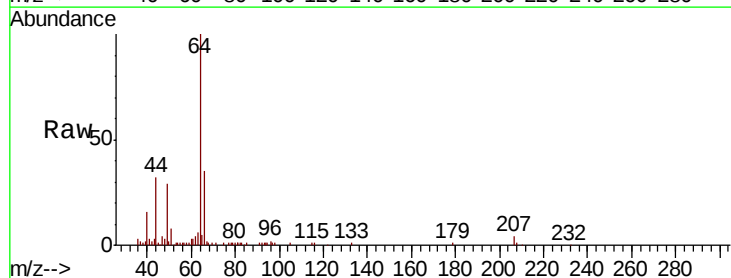
Acq: 16 Nov 2019 00:34

Tgt Ion: 64 Resp: 86626

Ion Ratio Lower Upper

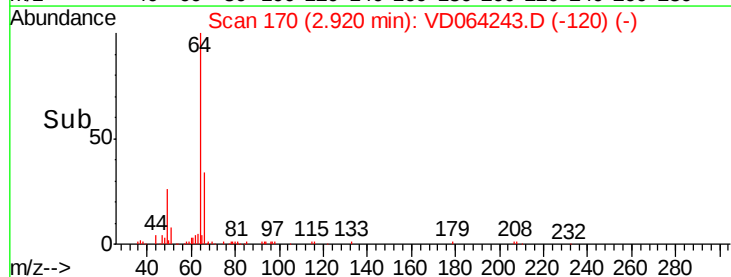
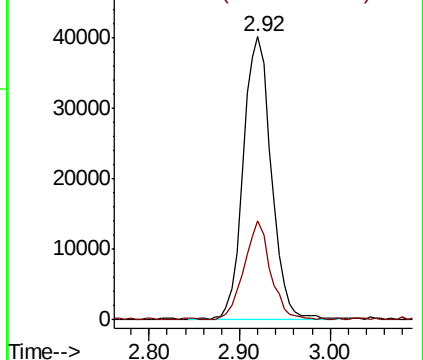
64 100

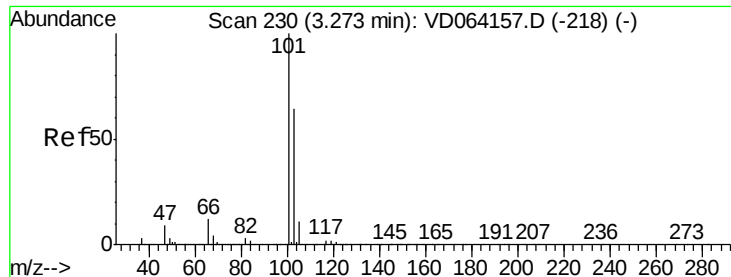
66 34.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



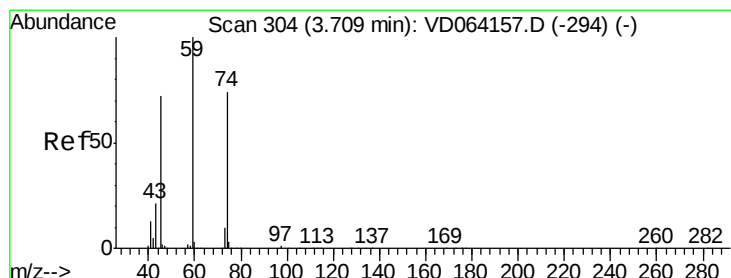
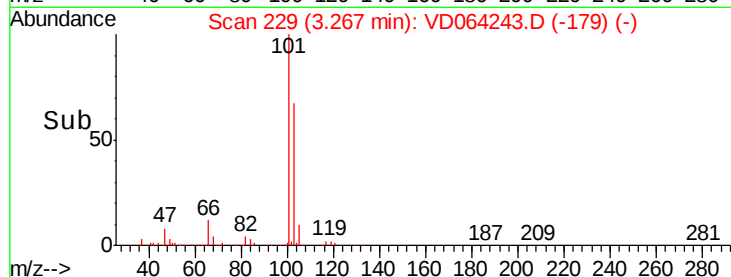
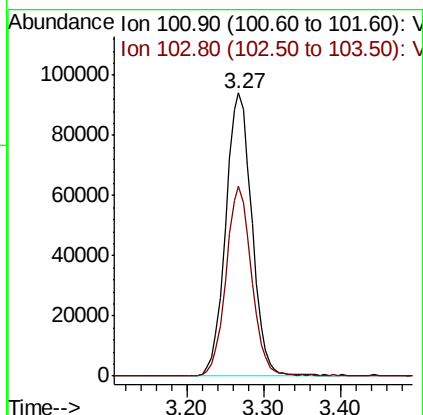
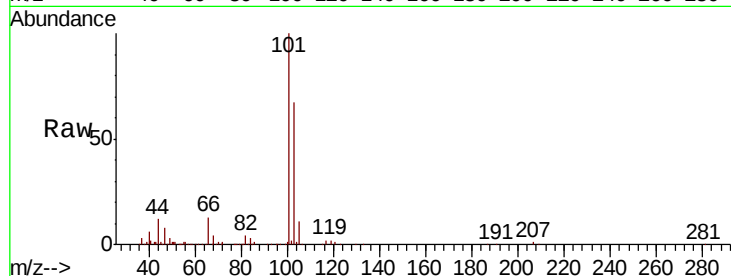


#7

Trichlorofluoromethane
Concen: 24.729 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :

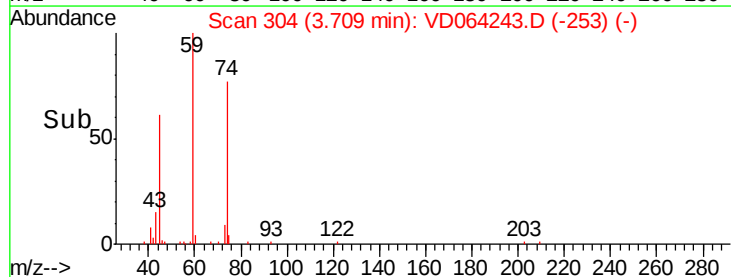
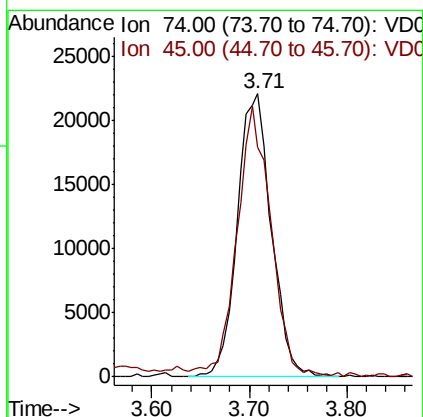
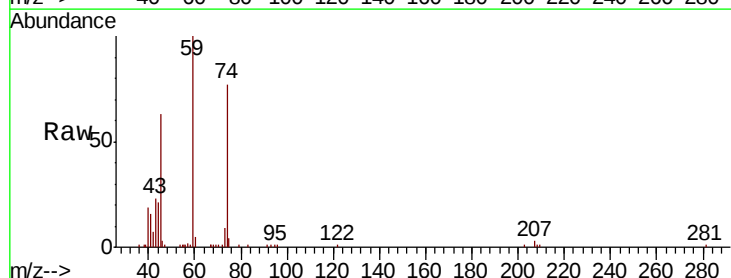
Tot Ion:101 Resp: 223449
Ion Ratio Lower Upper
101 100
103 67.2 50.8 76.2

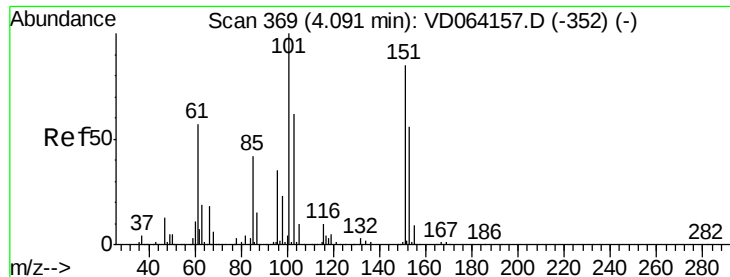


#8

Diethyl Ether
Concen: 21.582 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion: 74 Resp: 53622
Ion Ratio Lower Upper
74 100
45 92.8 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.769 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampleId :

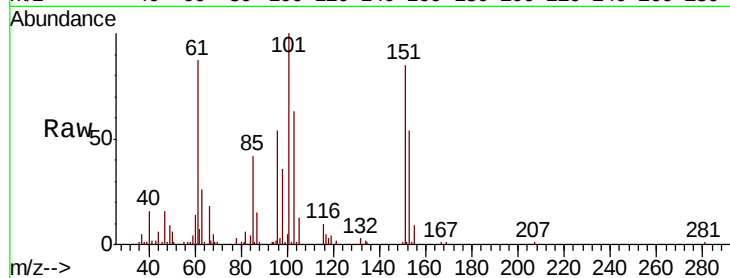
Tot Ion:101 Resp: 102100

Ion Ratio Lower Upper

101 100

85 41.8 34.4 51.6

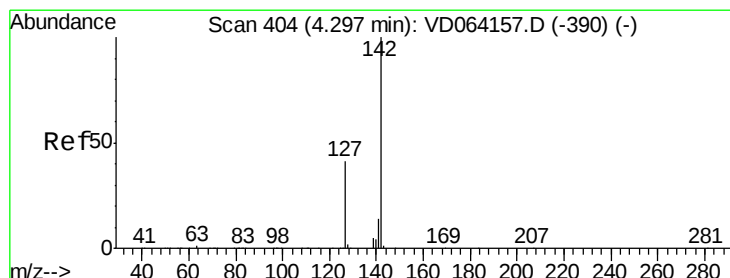
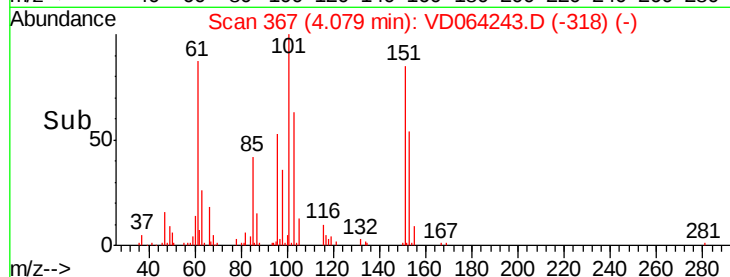
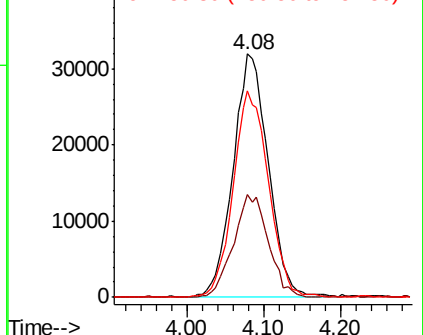
151 85.1 68.1 102.1



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: 19.393 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

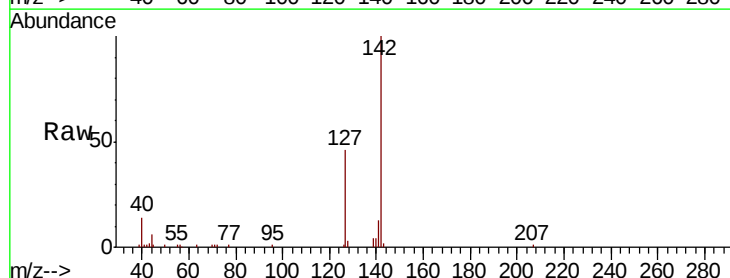
Tgt Ion:142 Resp: 106690

Ion Ratio Lower Upper

142 100

127 46.0 34.4 51.6

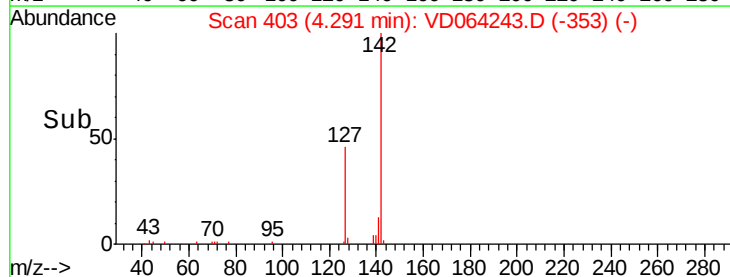
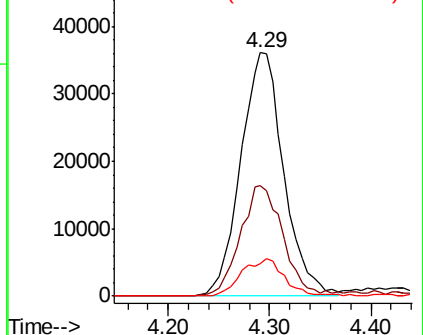
141 15.3 11.2 16.8

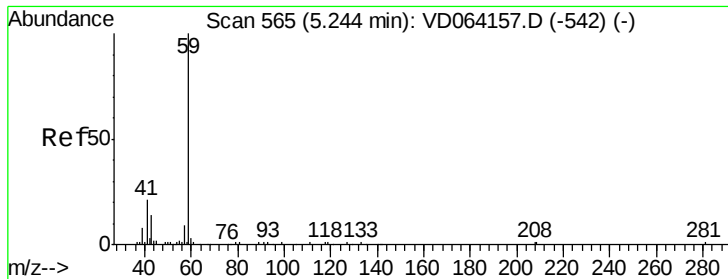


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

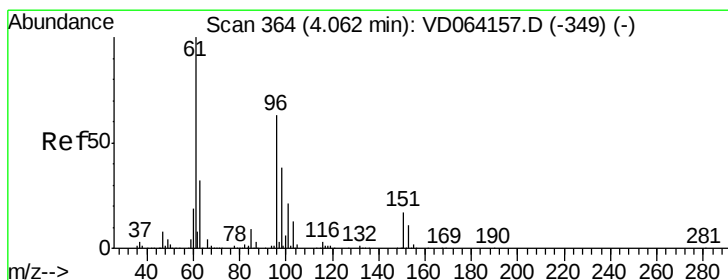
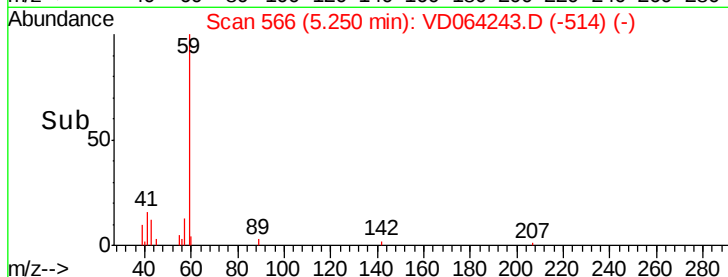
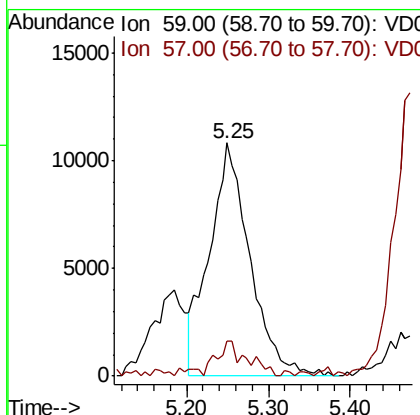
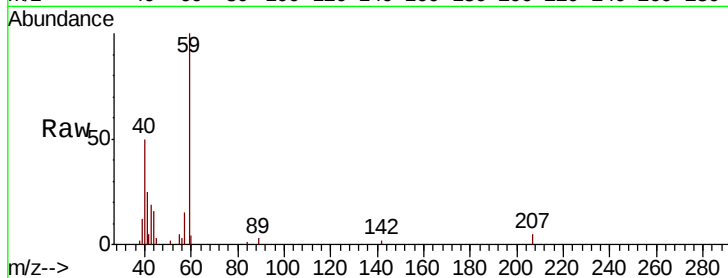




#11
Tert butyl alcohol
Concen: 111.112 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

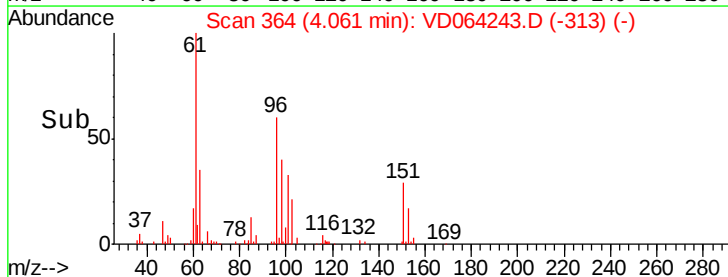
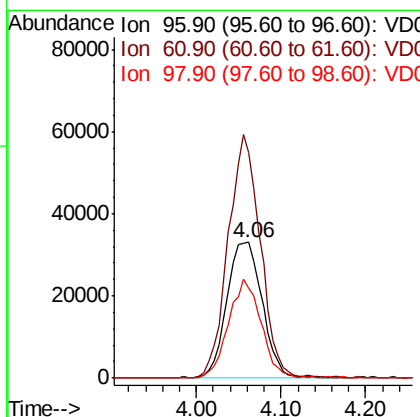
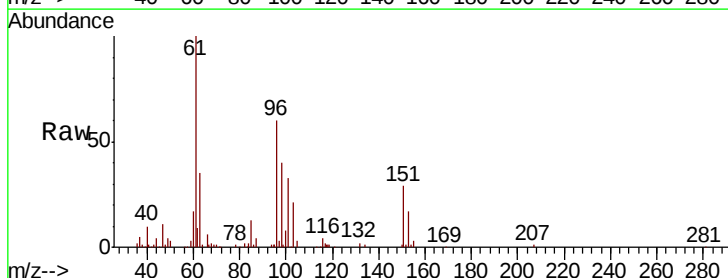
Instrument :
MSVOA_D
ClientSampled :

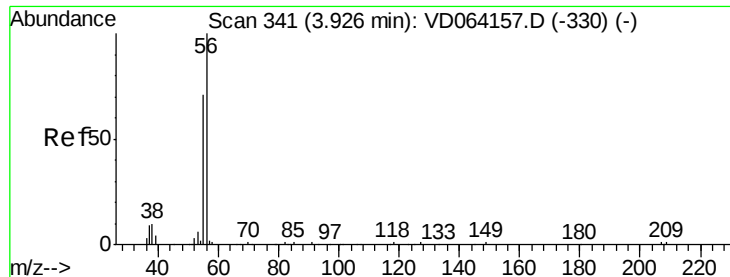
Tot Ion: 59 Resp: 37393
Ion Ratio Lower Upper
59 100
57 11.2 9.4 14.2



#12
1,1-Dichloroethene
Concen: 19.532 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion: 96 Resp: 96151
Ion Ratio Lower Upper
96 100
61 166.1 127.4 191.2
98 65.8 48.1 72.1





#13

Acrolein

Concen: 74.956 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

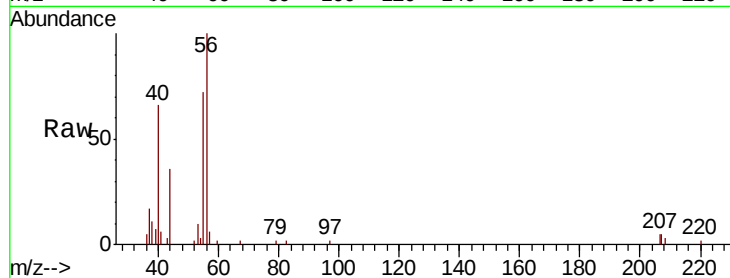
ClientSampleId :

Tot Ion: 56 Resp: 21340

Ion Ratio Lower Upper

56 100

55 75.5 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

8000

6000

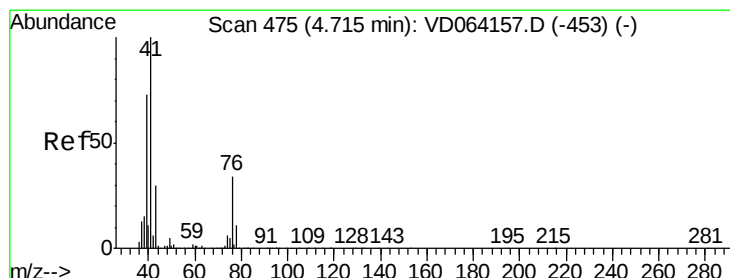
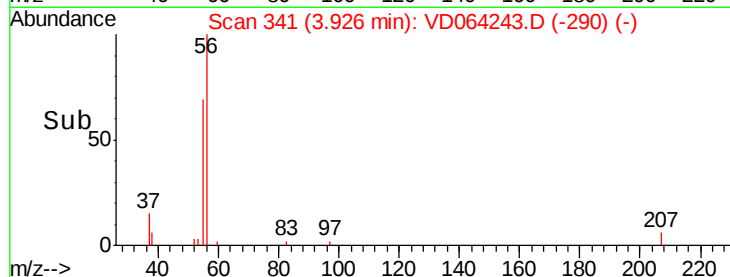
4000

2000

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 18.941 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

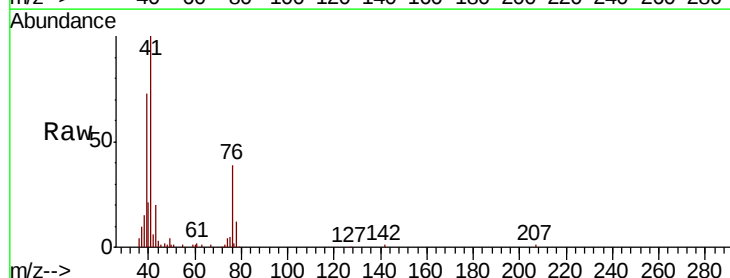
Tgt Ion: 41 Resp: 164858

Ion Ratio Lower Upper

41 100

39 71.3 57.5 86.3

76 36.0 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

60000

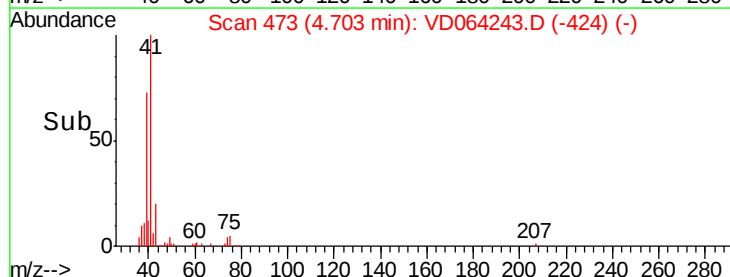
40000

20000

0

4.50 4.60 4.70 4.80 4.90

Time-->





#15

Acrylonitrile

Concen: 111.890 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :

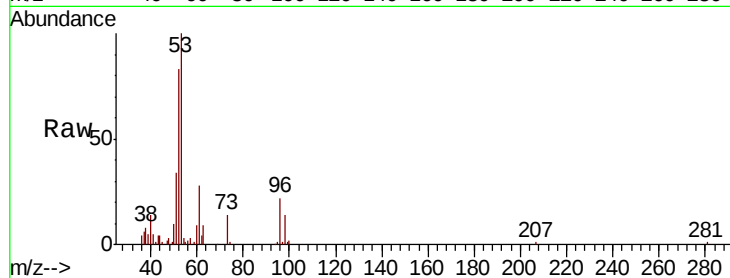
Tot Ion: 53 Resp: 118512

Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.7	100.1
51	37.7	30.6	46.0

53 100

52 84.5 66.7 100.1

51 37.7 30.6 46.0

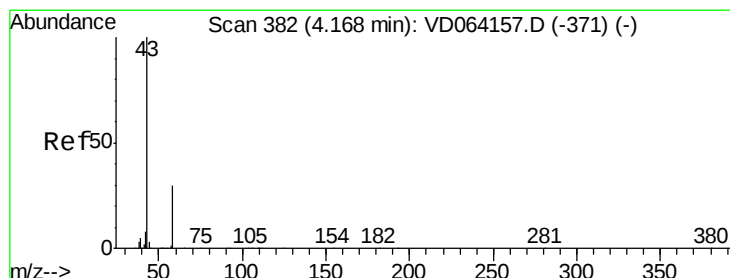
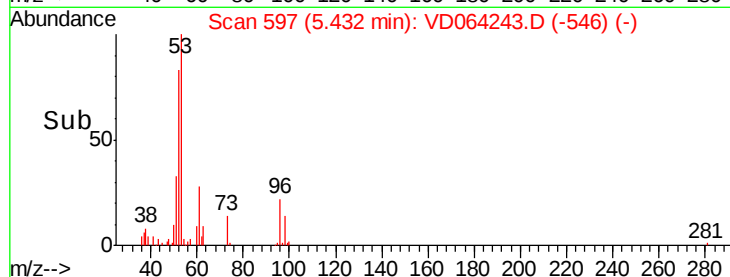
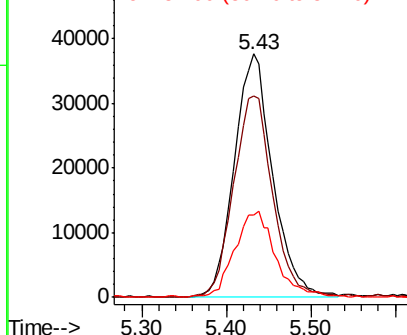


Abundance

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: 78.517 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064243.D

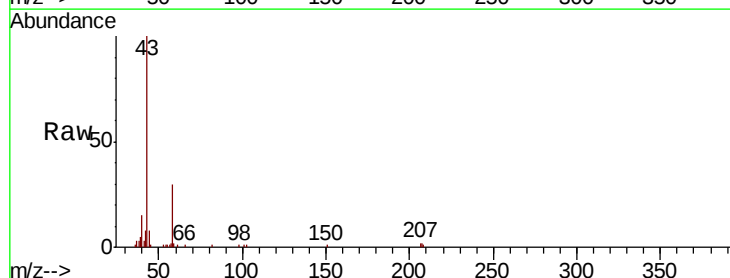
Acq: 16 Nov 2019 00:34

Tgt Ion: 43 Resp: 89623

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.1	36.1

43 100

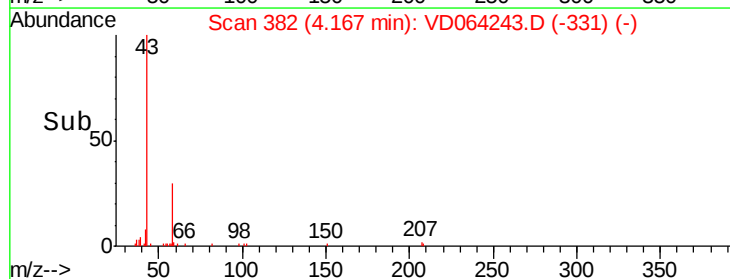
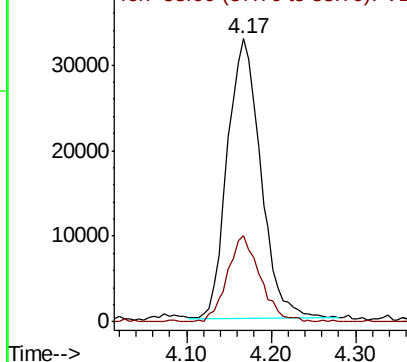
58 30.8 24.1 36.1

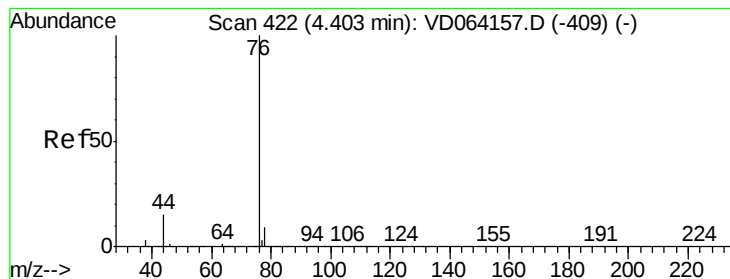


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 18.686 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

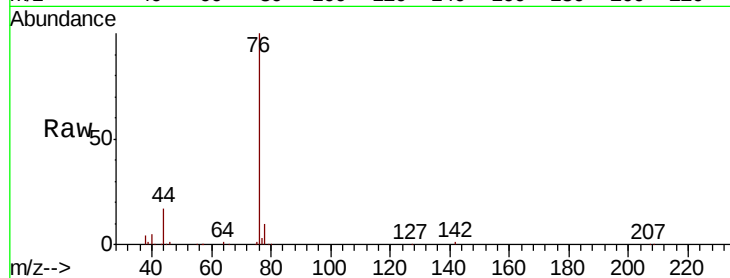
ClientSampled :

Tot Ion: 76 Resp: 286459

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

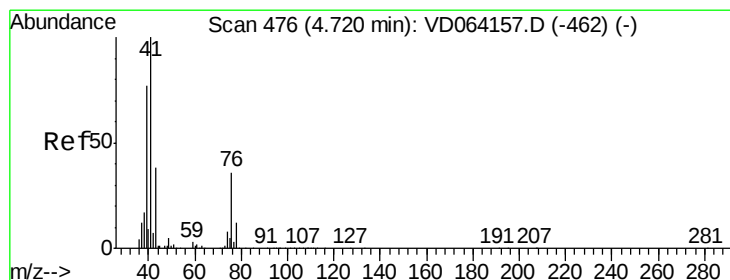
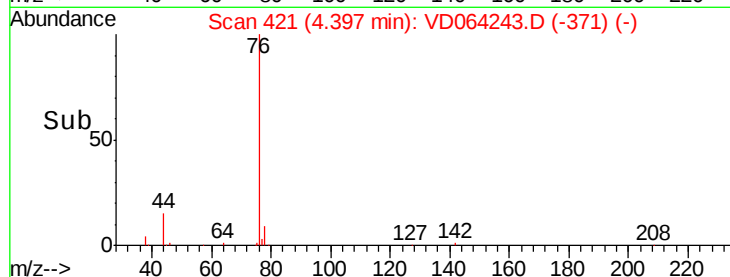
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.454 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064243.D

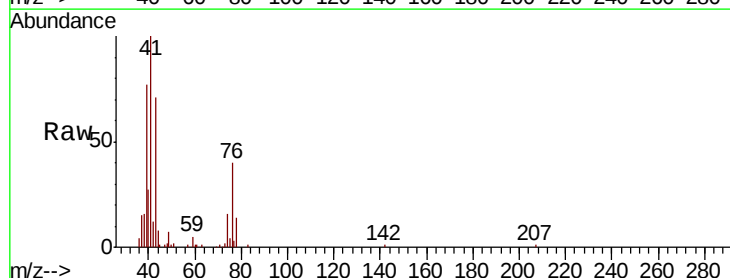
Acq: 16 Nov 2019 00:34

Tgt Ion: 43 Resp: 68397

Ion Ratio Lower Upper

43 100

74 23.2 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

25000

20000

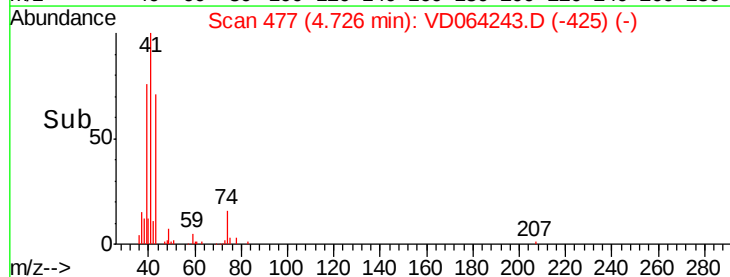
15000

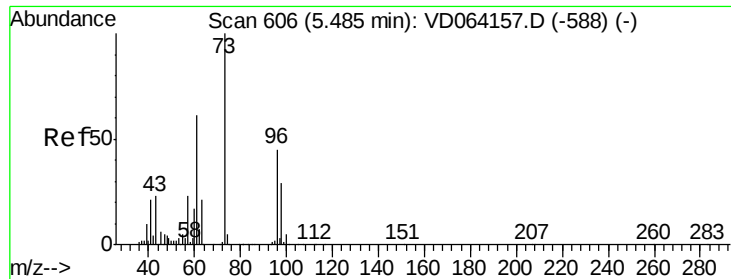
10000

5000

0

Time-->

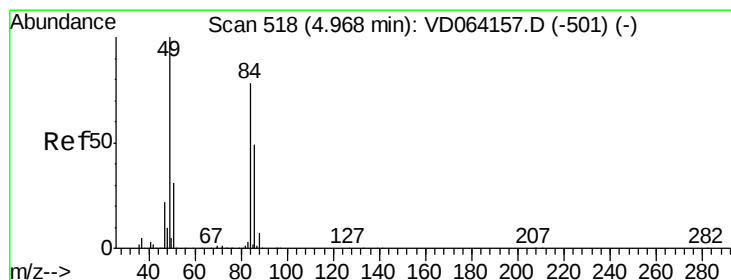
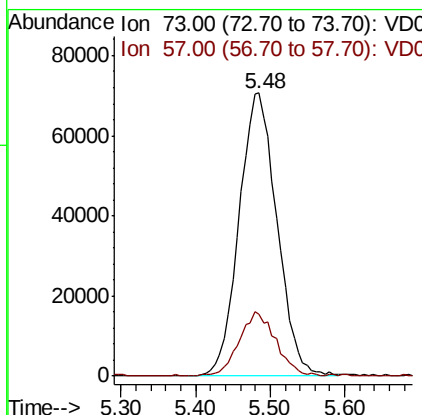
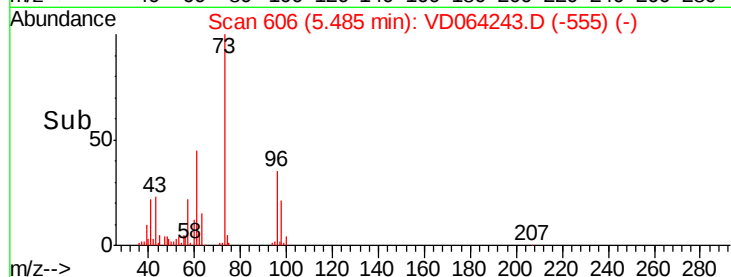
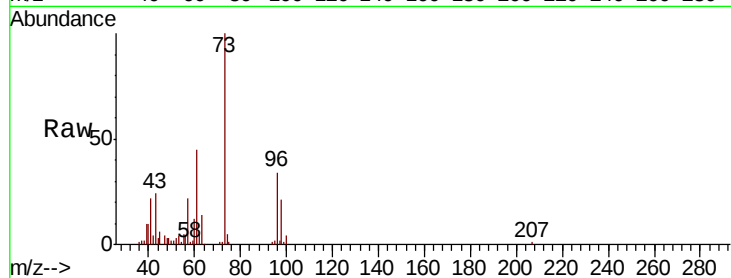




#19
Methvl tert-butvl Ether
Concen: 21.215 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

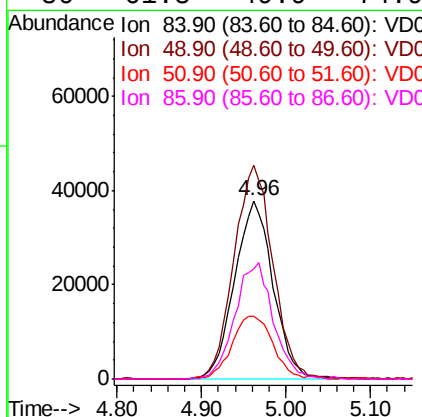
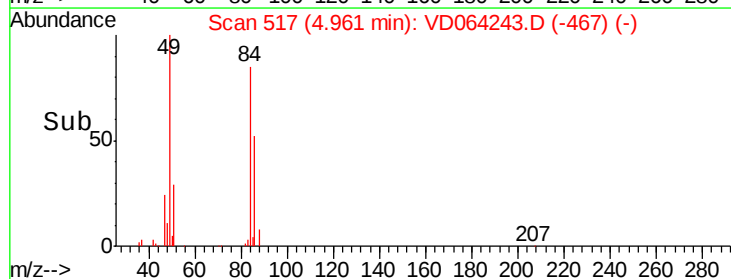
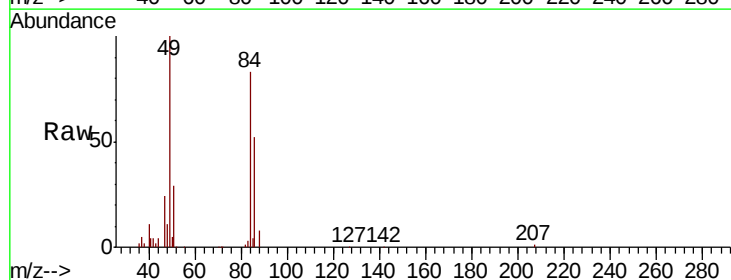
Instrument :
MSVOA_D
ClientSampleId :

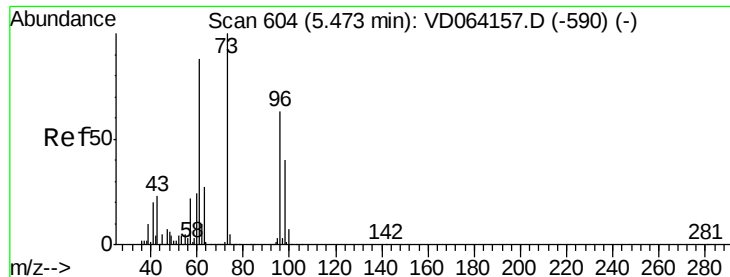
Tot Ion: 73 Resp: 249323
Ion Ratio Lower Upper
73 100
57 21.8 18.4 27.6



#20
Methylene Chloride
Concen: 20.668 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion: 84 Resp: 119167
Ion Ratio Lower Upper
84 100
49 119.9 102.1 153.1
51 35.1 32.2 48.2
86 61.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.634 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampleId :

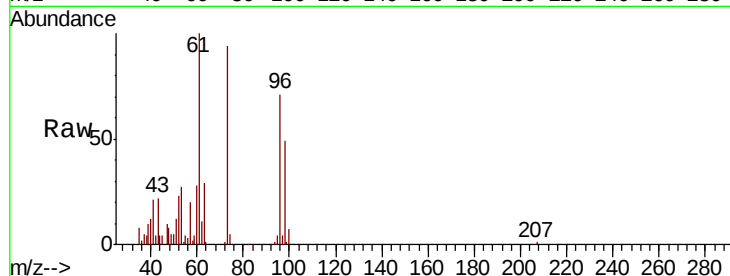
Tot Ion: 96 Resp: 109506

Ion Ratio Lower Upper

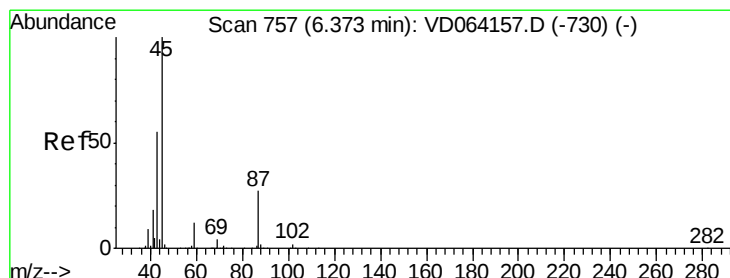
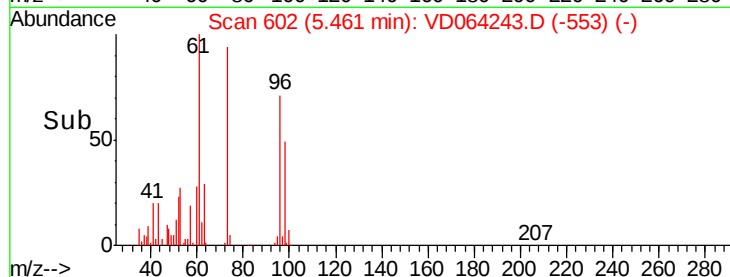
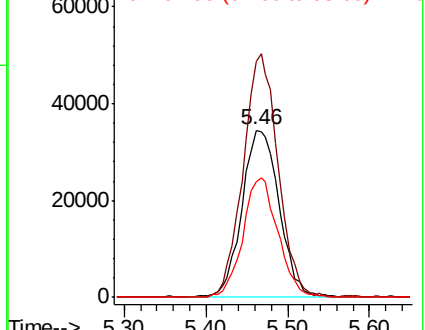
96 100

61 141.3 111.8 167.6

98 68.9 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: 19.982 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Tgt Ion: 45 Resp: 322690

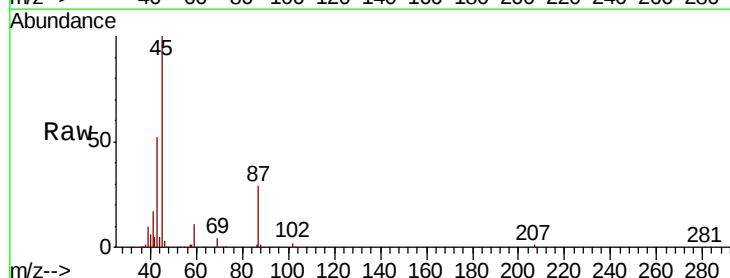
Ion Ratio Lower Upper

45 100

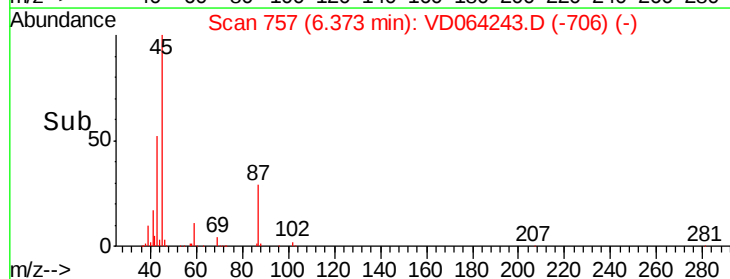
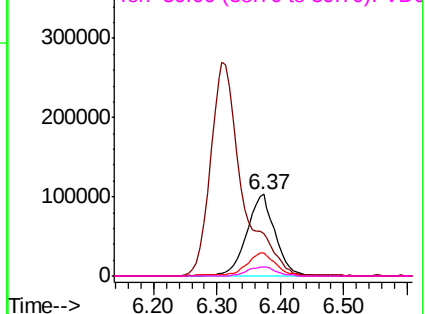
43 51.2 44.4 66.6

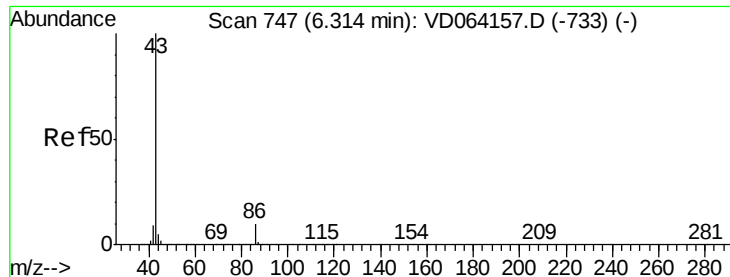
87 28.4 21.9 32.9

59 10.9 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: 103.981 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

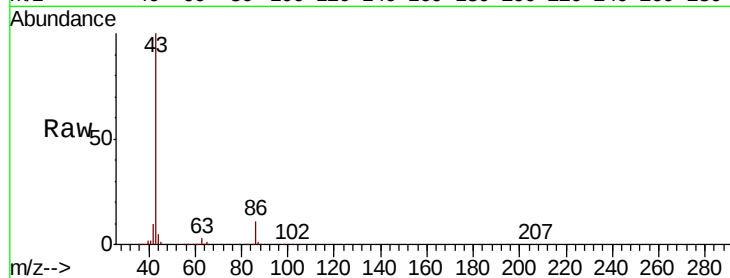
ClientSampleId :

Tot Ion: 43 Resp: 936048

Ion Ratio Lower Upper

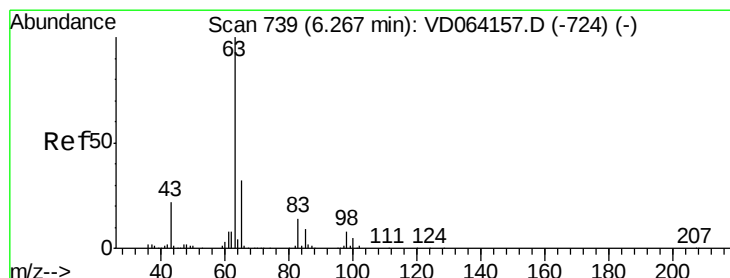
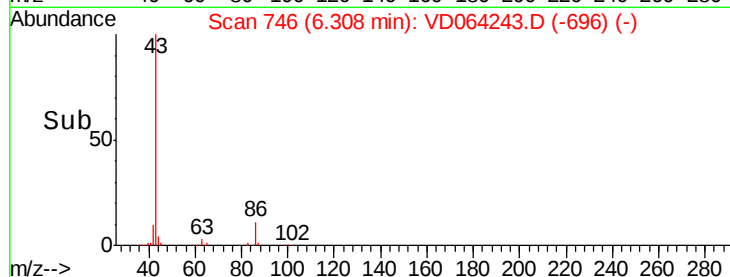
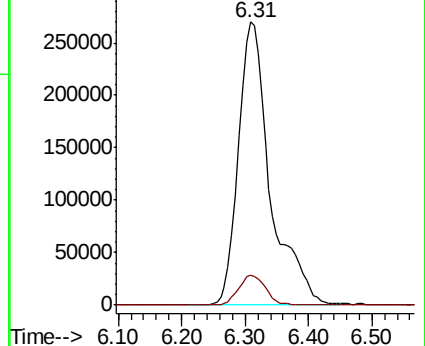
43 100

86 10.6 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: 20.321 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

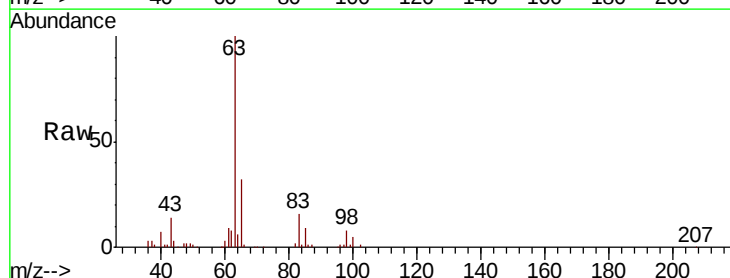
Tgt Ion: 63 Resp: 190550

Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.4

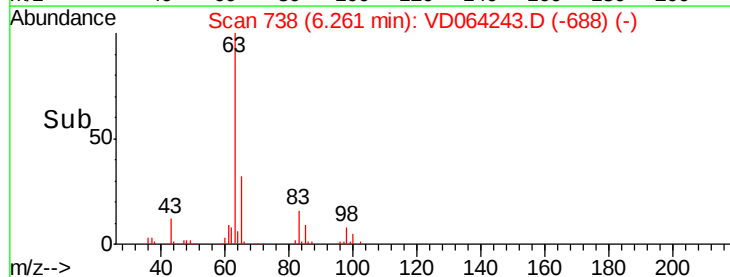
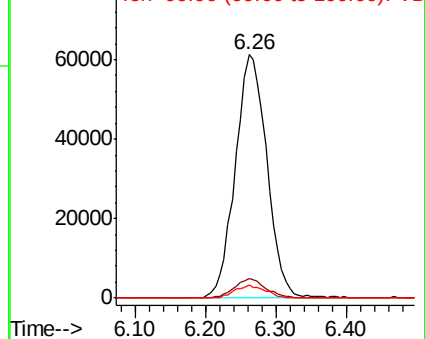
100 5.4 2.4 7.2

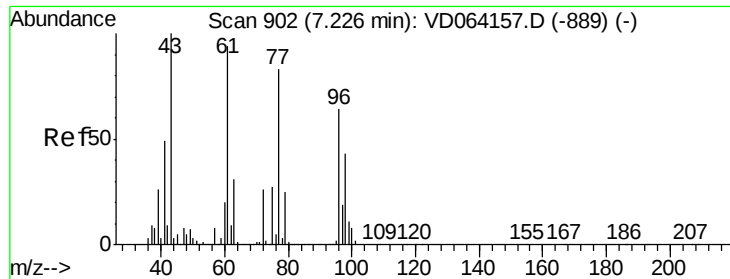


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 102.228 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

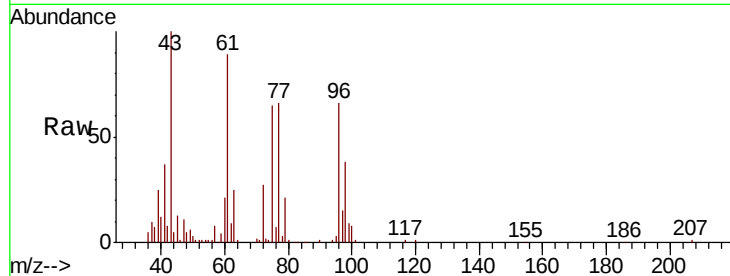
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 150754

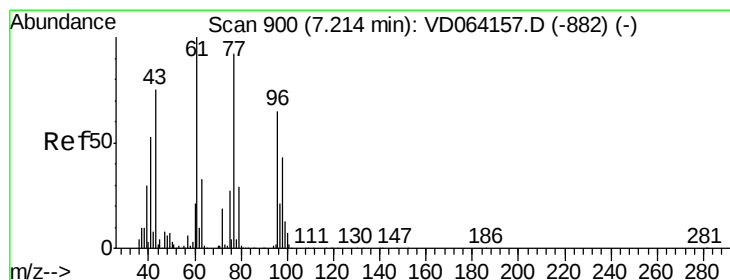
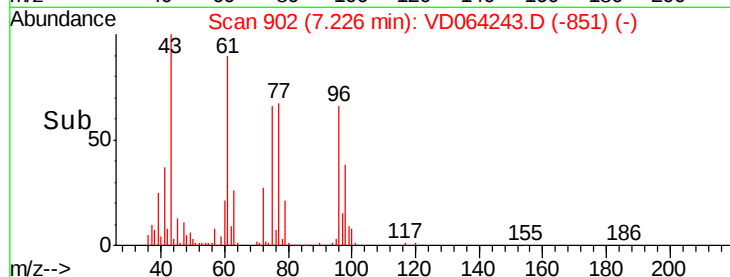
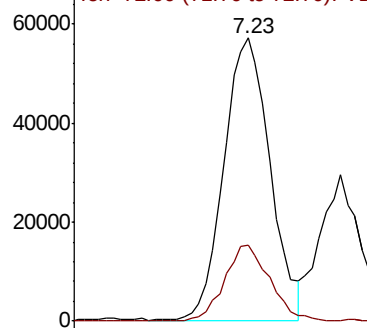
Ion Ratio Lower Upper

43 100

72 26.9 20.6 30.8



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



#26

2,2-Dichloropropane

Concen: 17.368 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064243.D

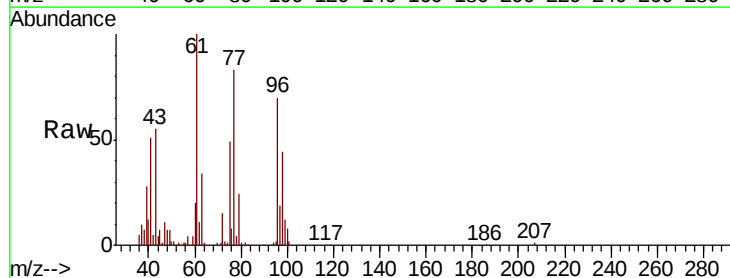
Acq: 16 Nov 2019 00:34

Tgt Ion: 77 Resp: 159714

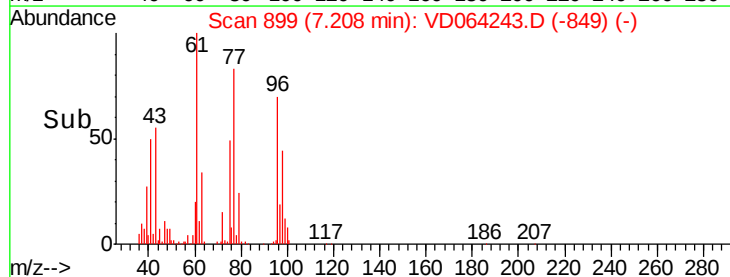
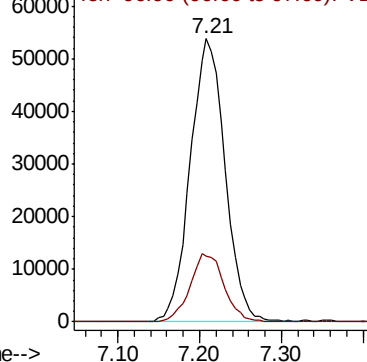
Ion Ratio Lower Upper

77 100

97 23.5 11.1 33.3



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



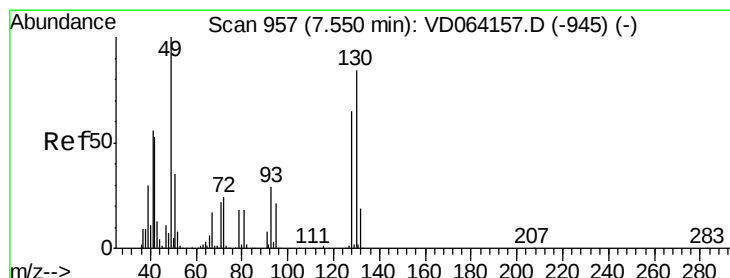
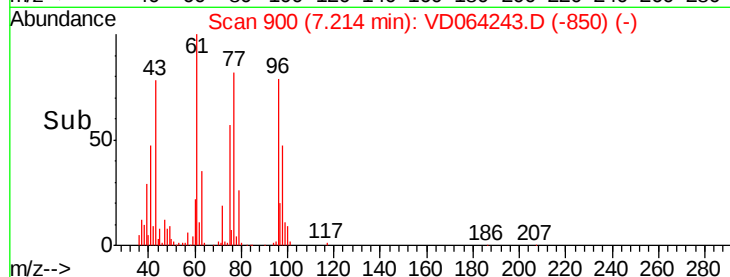
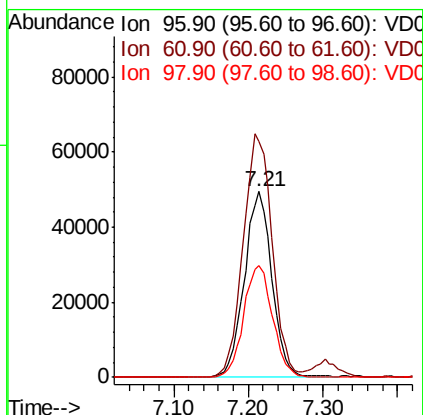
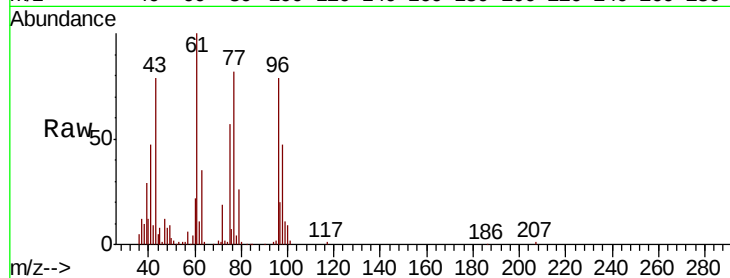


#27

cis-1,2-Dichloroethene
Concen: 21.277 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :

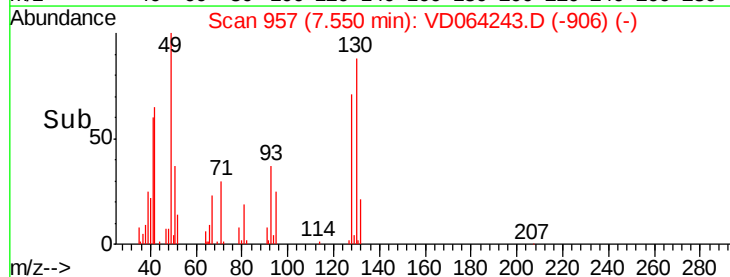
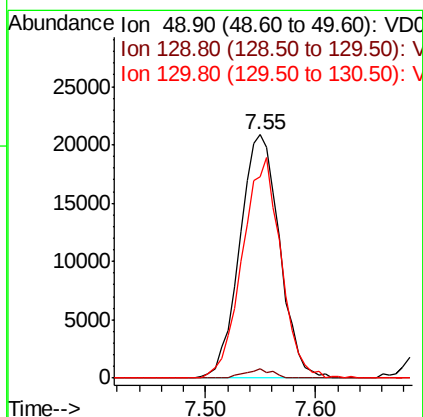
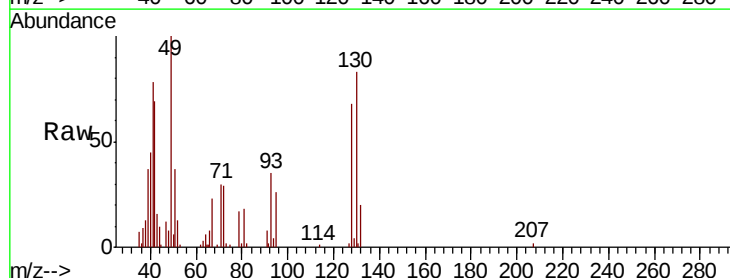
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.2	0.0	301.4
98	62.7	0.0	133.2

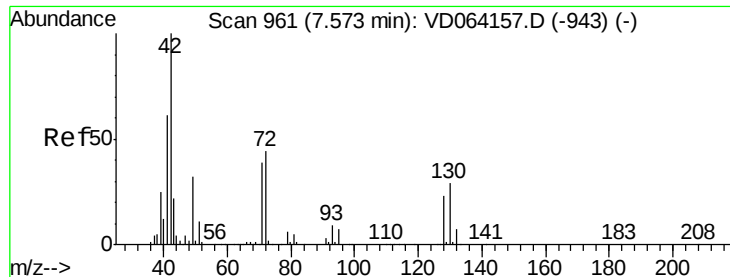


#28

Bromochloromethane
Concen: 16.198 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	87.5	66.8	100.2

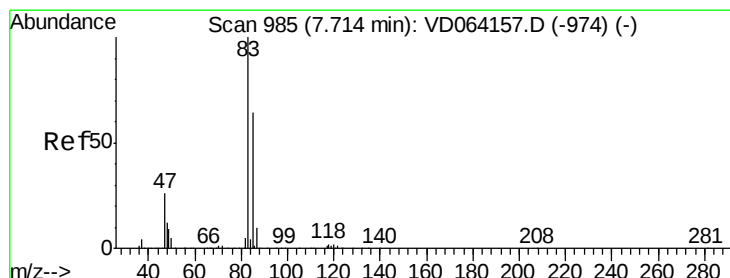
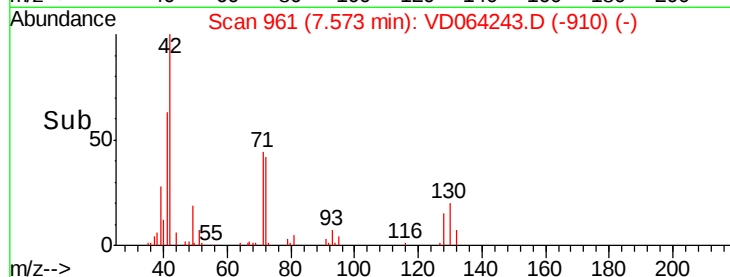
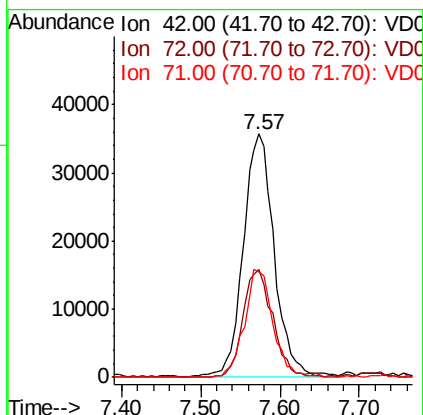
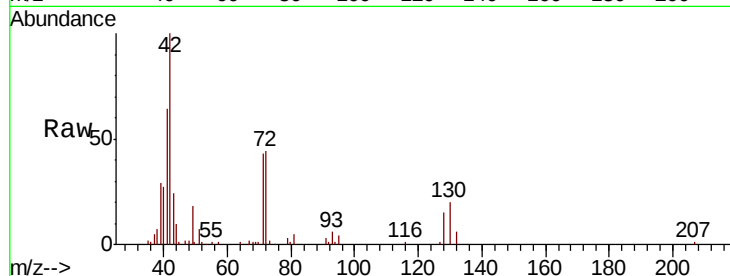




#29
Tetrahydrofuran
Concen: 109.772 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

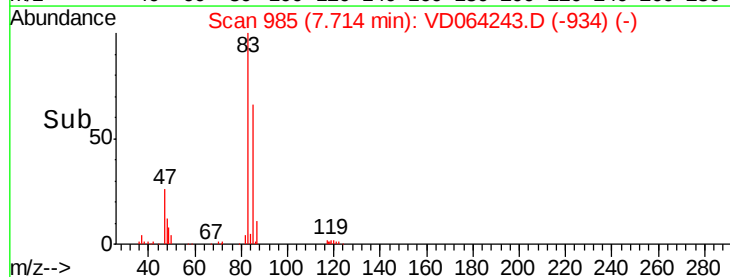
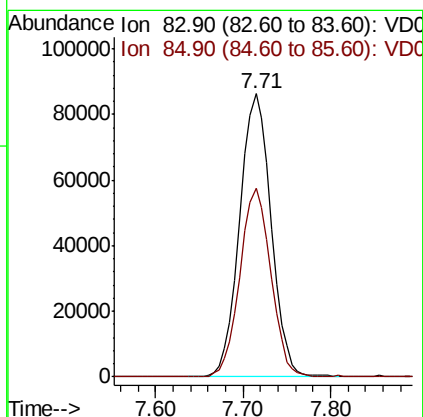
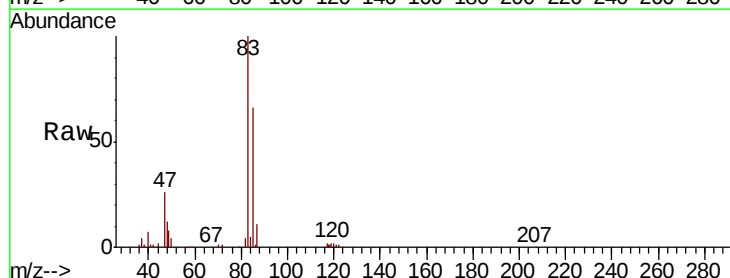
Instrument :
MSVOA_D
ClientSampleId :

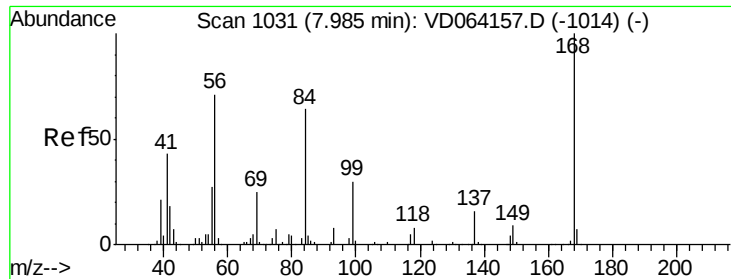
Tot Ion: 42 Resp: 97261
Ion Ratio Lower Upper
42 100
72 42.7 33.4 50.2
71 40.9 31.0 46.4



#30
Chloroform
Concen: 21.884 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion: 83 Resp: 209897
Ion Ratio Lower Upper
83 100
85 66.5 51.4 77.0

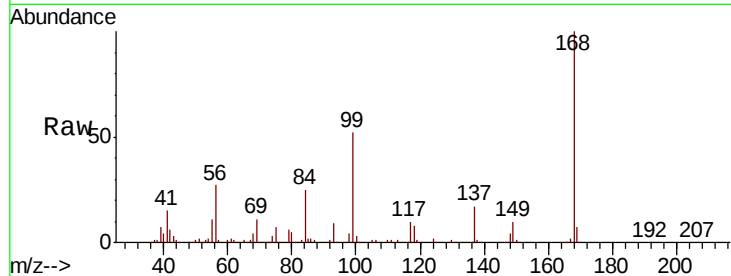




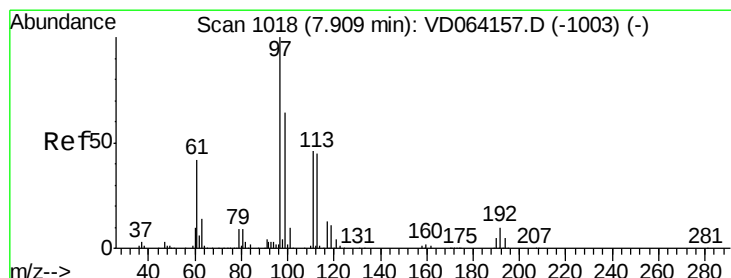
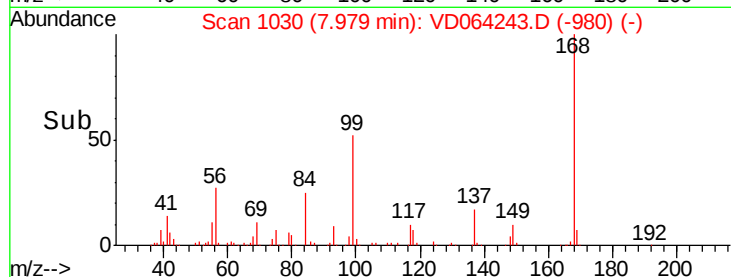
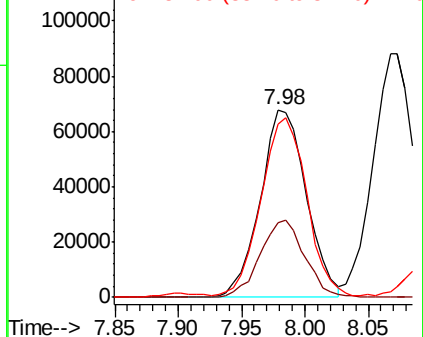
#31
Cyclohexane
Concen: 18.159 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 171720
Ion Ratio Lower Upper
56 100
69 40.0 28.2 42.4
84 91.0 71.8 107.6

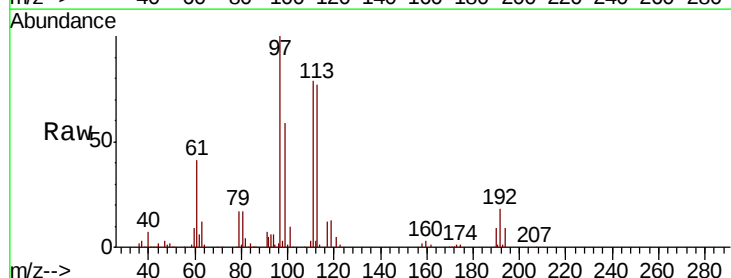


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

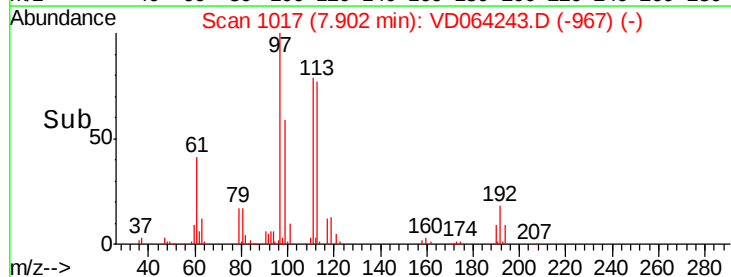
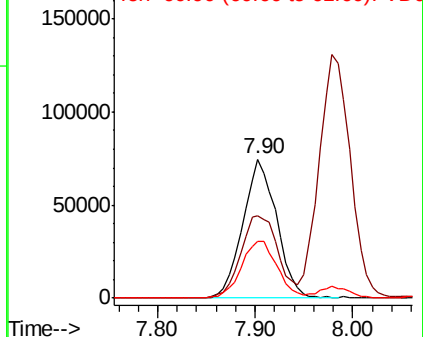


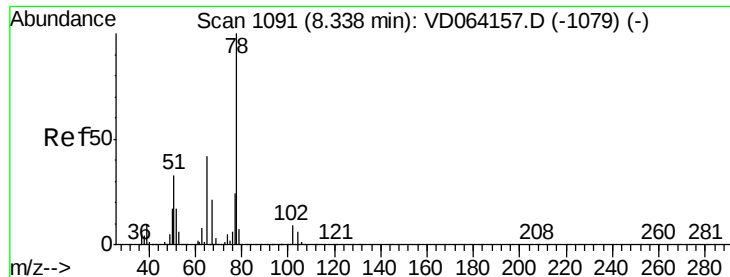
#32
1,1,1-Trichloroethane
Concen: 19.658 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion: 97 Resp: 180544
Ion Ratio Lower Upper
97 100
99 65.8 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

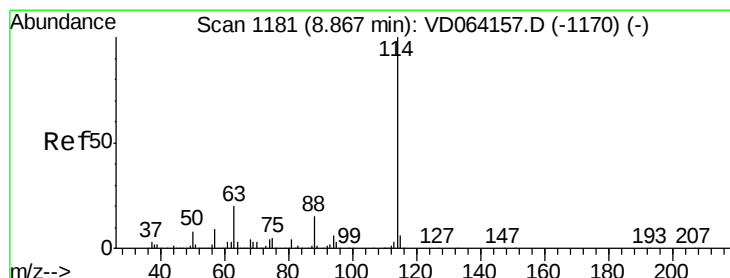
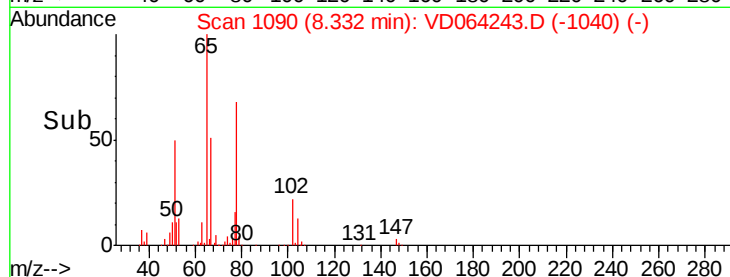
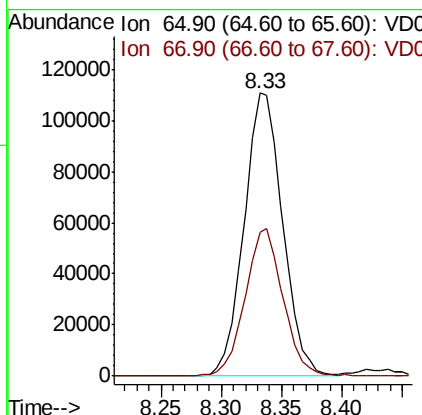
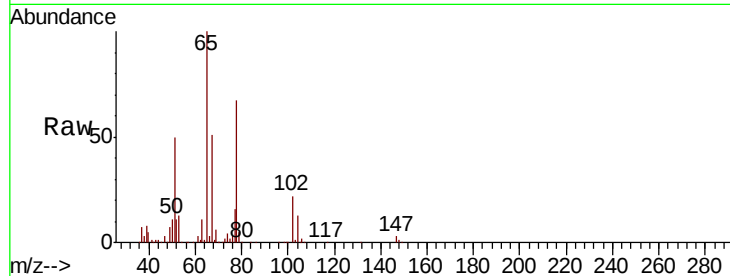




#33
 1,2-Dichloroethane-d4
 Concen: 51.247 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

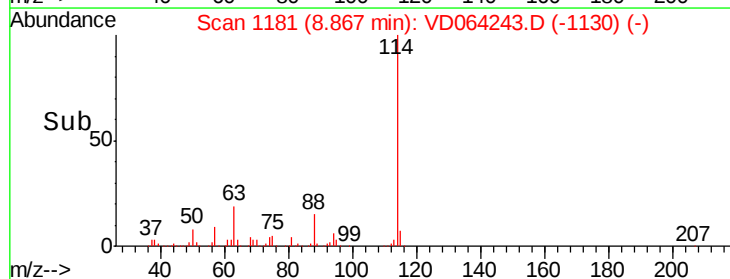
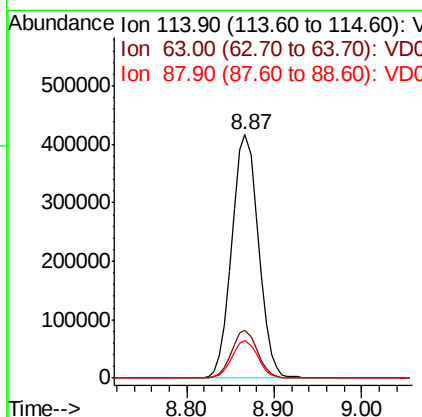
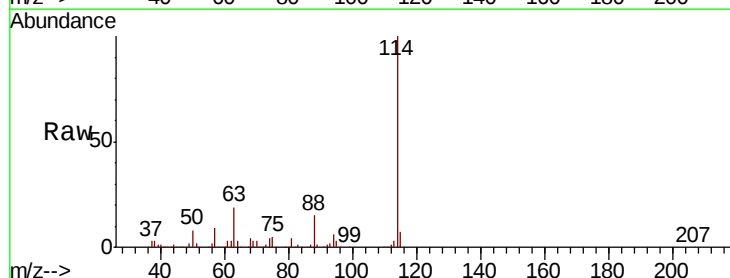
Instrument :
 MSVOA_D
 ClientSampleId :

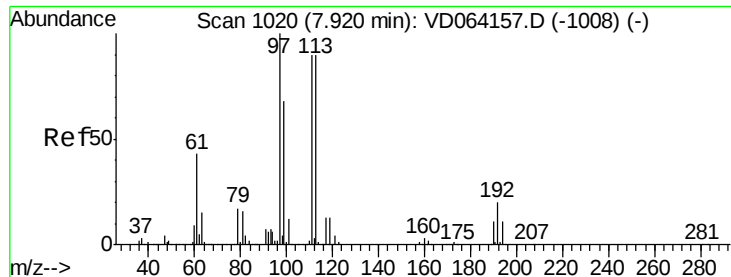
Tot Ion: 65 Resp: 246923
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion: 114 Resp: 858363
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 15.3 0.0 30.2

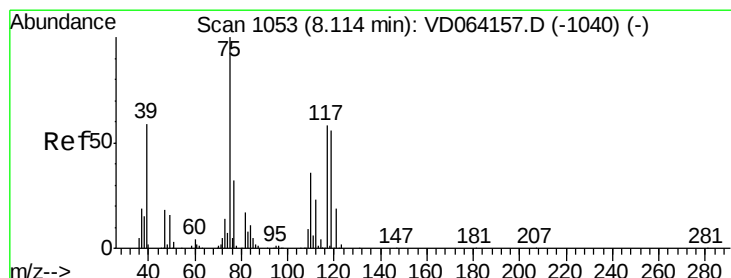
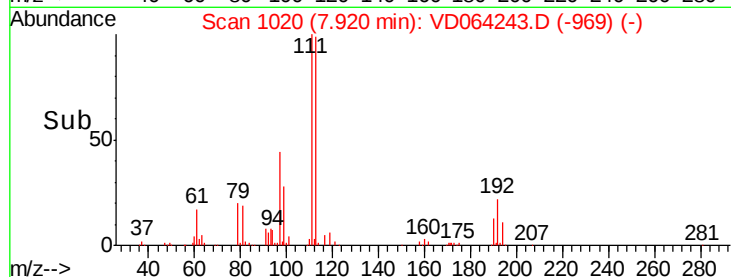
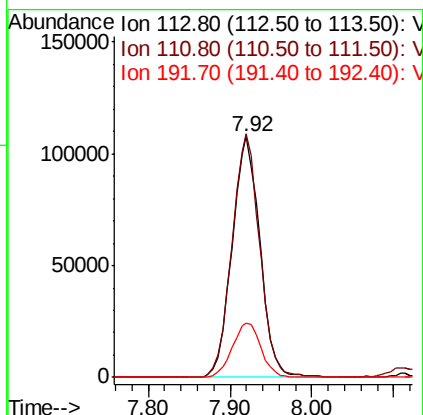
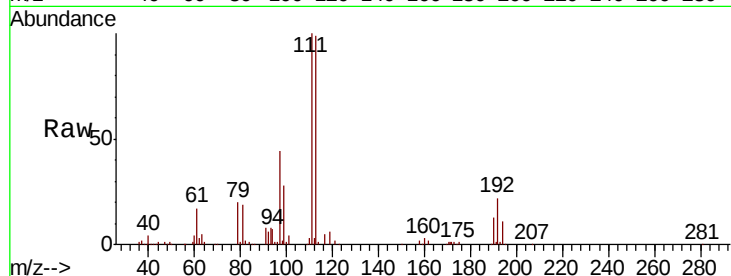




#35
 Dibromofluoromethane
 Concen: 51.797 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

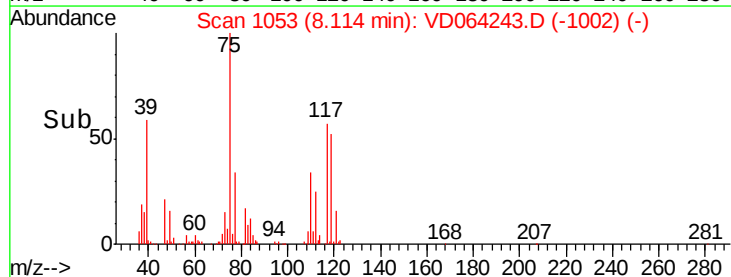
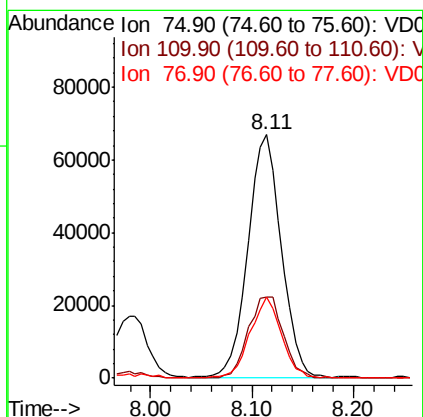
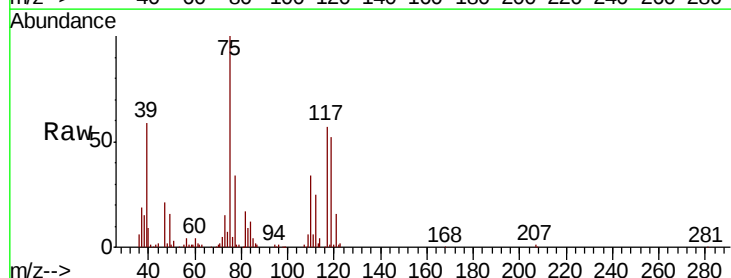
Instrument :
 MSVOA_D
 ClientSampleId :

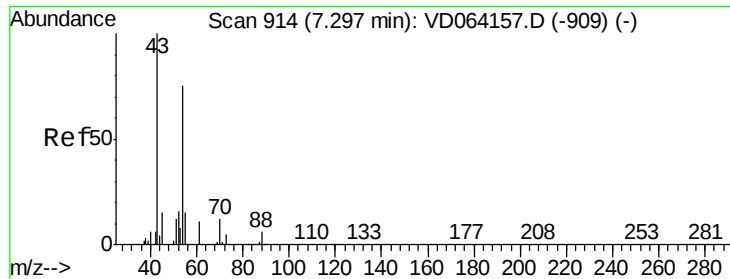
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.5	122.3
192	23.0	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 19.292 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	18.3	54.9
77	31.7	25.0	37.6

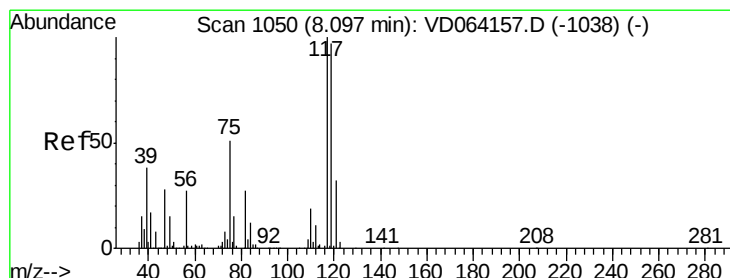
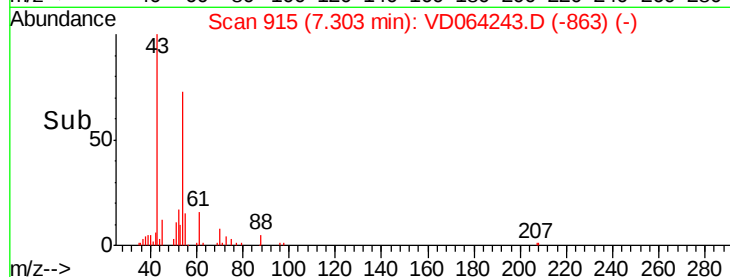
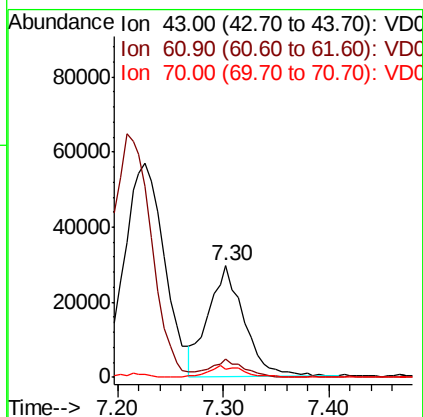
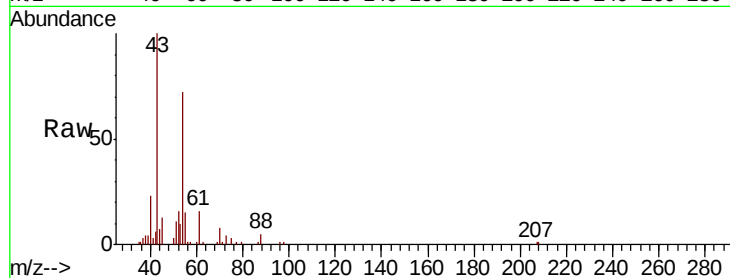




#37
Ethyl Acetate
Concen: 20.931 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

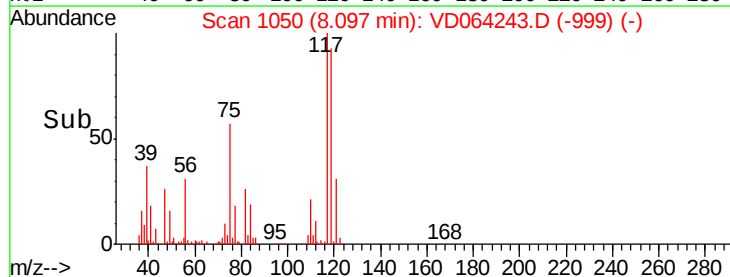
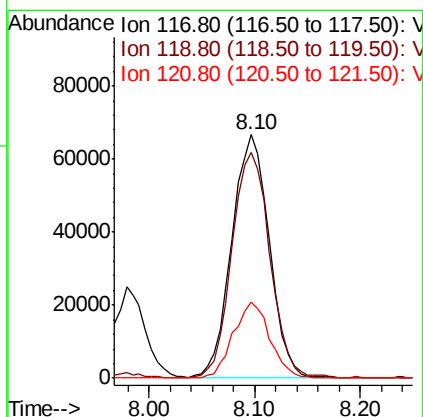
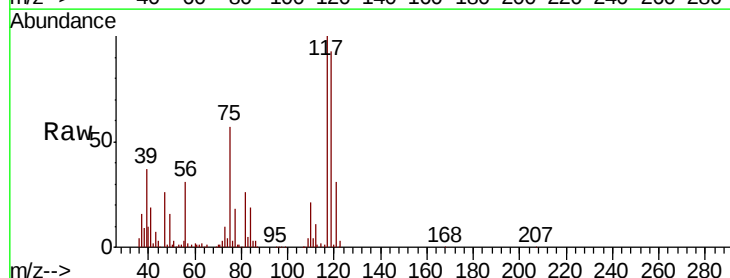
Instrument :
MSVOA_D
ClientSampled :

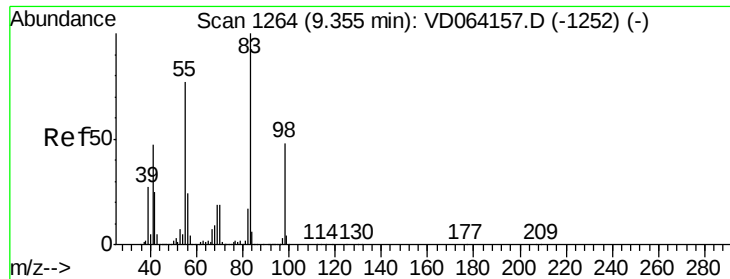
Tot Ion: 43 Resp: 69905
Ion Ratio Lower Upper
43 100
61 14.5 10.2 15.2
70 10.6 8.5 12.7



#38
Carbon Tetrachloride
Concen: 19.310 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion: 117 Resp: 163681
Ion Ratio Lower Upper
117 100
119 92.6 77.2 115.8
121 31.1 25.5 38.3

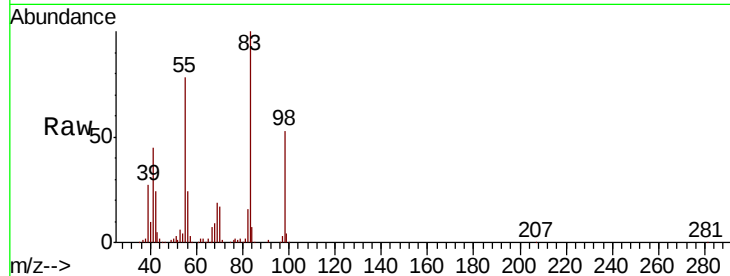




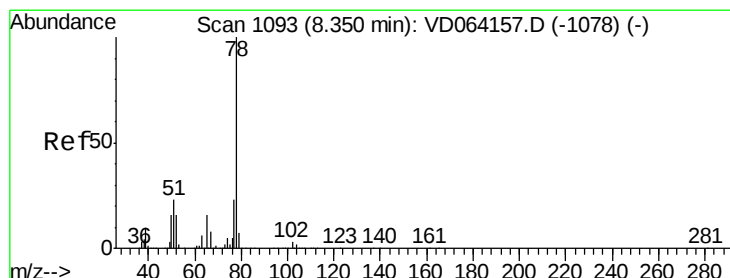
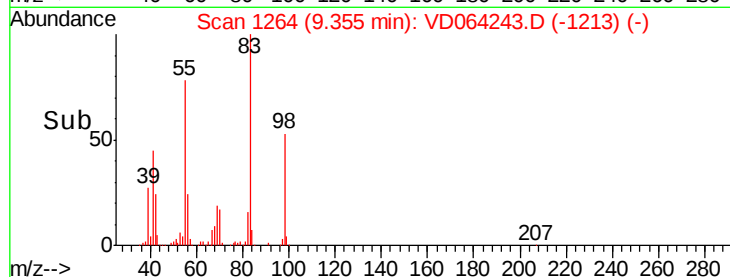
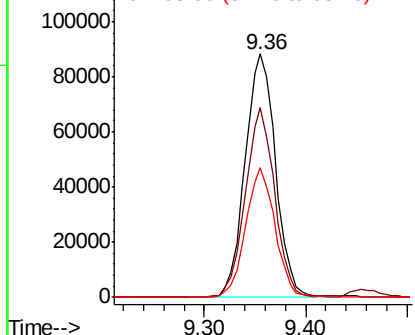
#39
Methvlcvclohexane
Concen: 18.354 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 183978
Ion Ratio Lower Upper
83 100
55 77.8 61.7 92.5
98 53.4 38.6 58.0

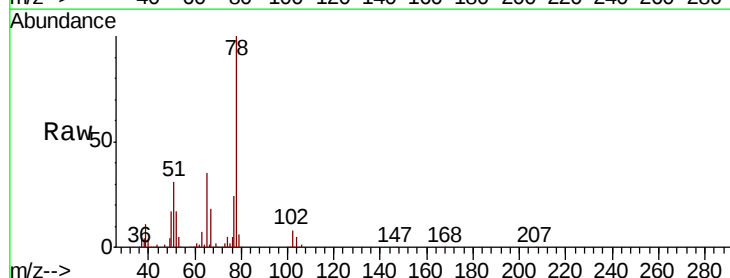


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

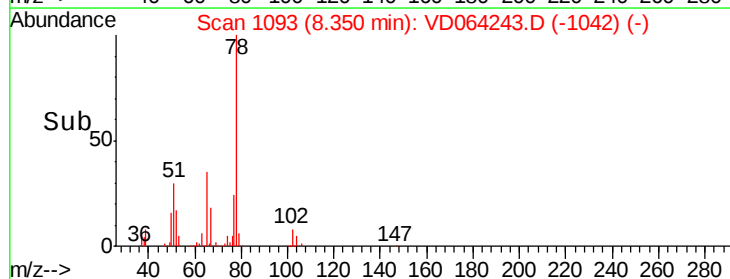
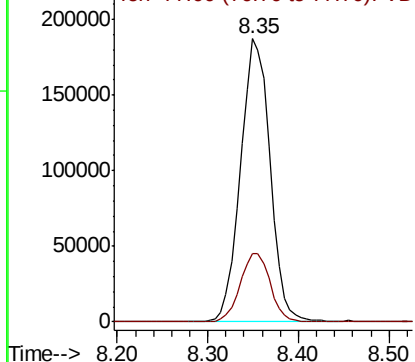


#40
Benzene
Concen: 19.571 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion: 78 Resp: 423726
Ion Ratio Lower Upper
78 100
77 24.0 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 18.594 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 39031

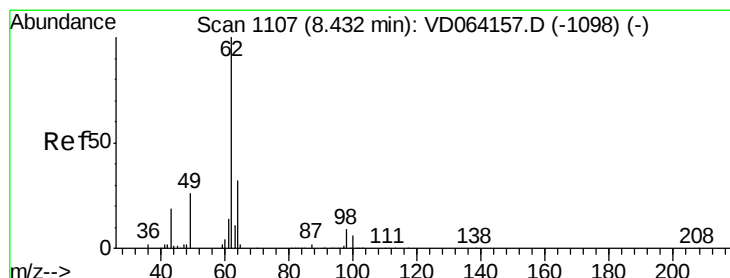
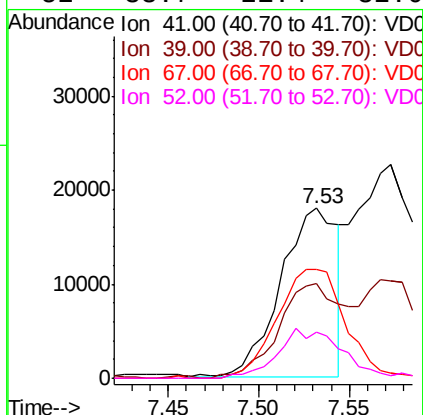
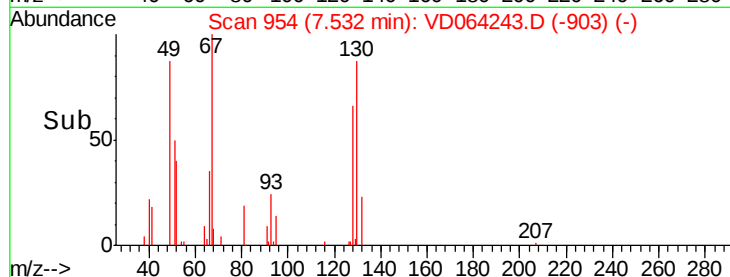
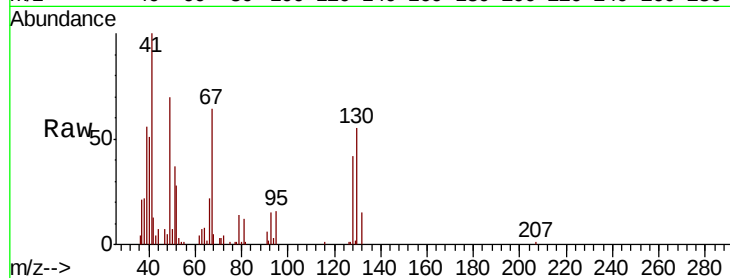
Ion Ratio Lower Upper

41 100

39 70.2 49.4 74.2

67 78.0 49.6 74.4#

52 33.7 21.4 32.0#



#42

1,2-Dichloroethane

Concen: 20.219 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064243.D

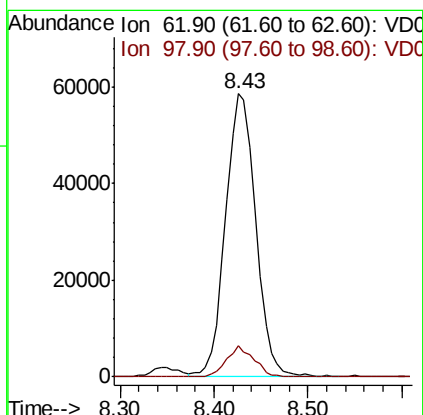
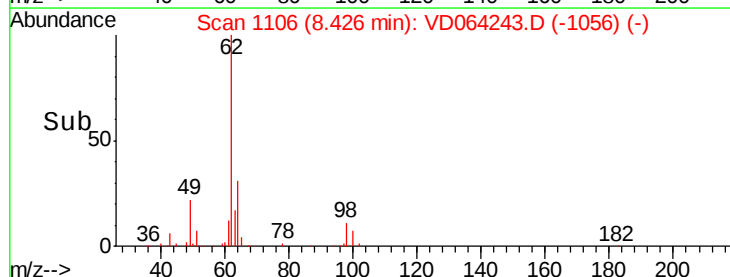
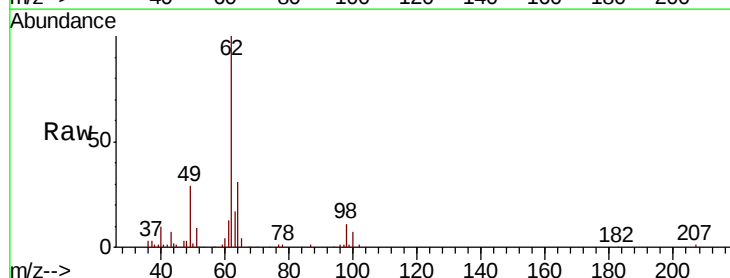
Acq: 16 Nov 2019 00:34

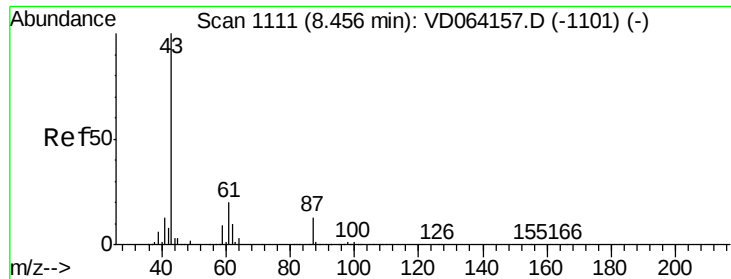
Tgt Ion: 62 Resp: 131474

Ion Ratio Lower Upper

62 100

98 9.7 0.0 19.0





#43

Isopropyl Acetate

Concen: 20.123 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampleId :

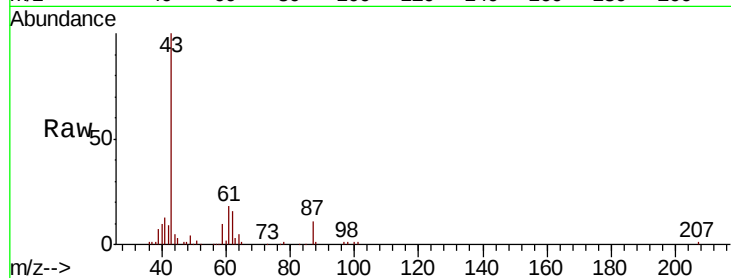
Tot Ion: 43 Resp: 138466

Ion Ratio Lower Upper

43 100

61 30.2 22.9 34.3

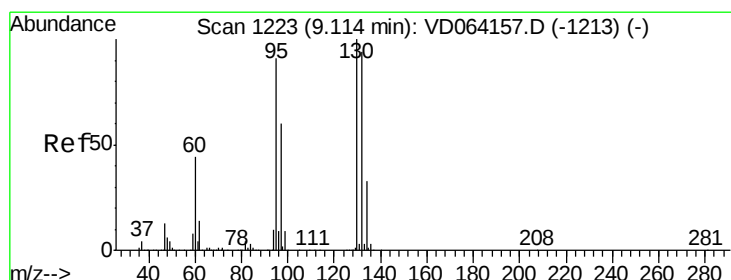
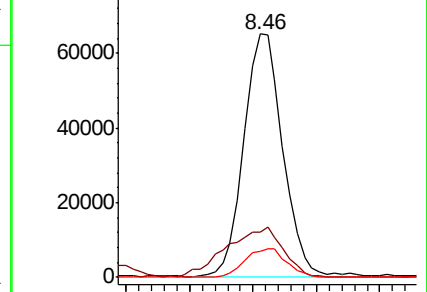
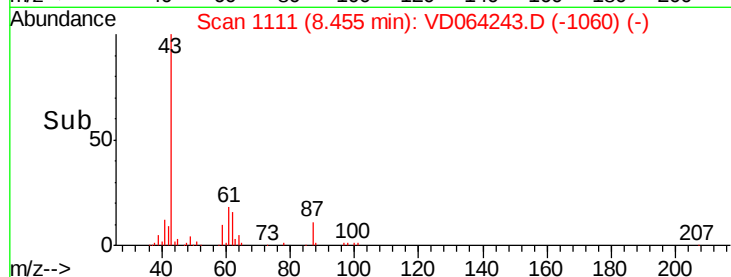
87 12.8 10.2 15.2



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: 19.868 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064243.D

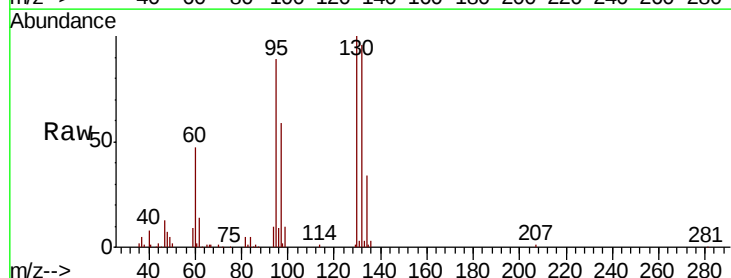
Acq: 16 Nov 2019 00:34

Tgt Ion: 130 Resp: 129106

Ion Ratio Lower Upper

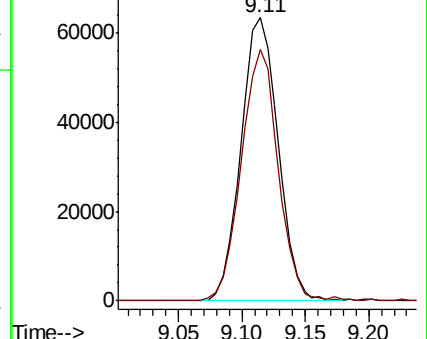
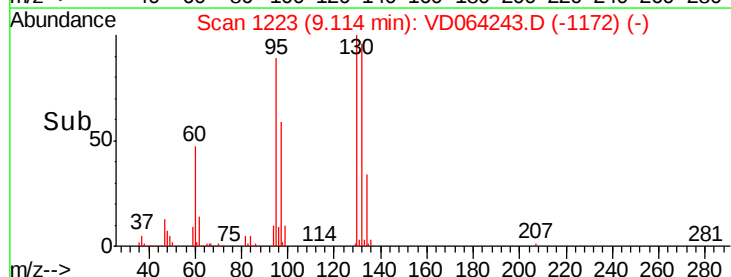
130 100

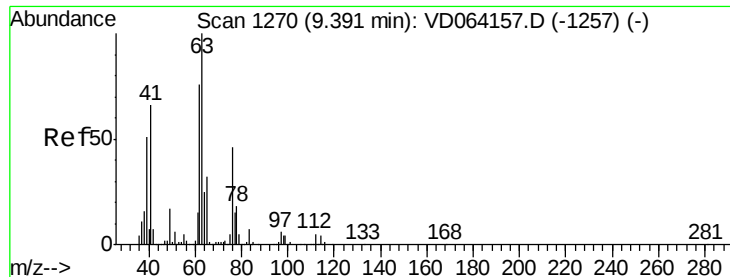
95 89.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.737 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

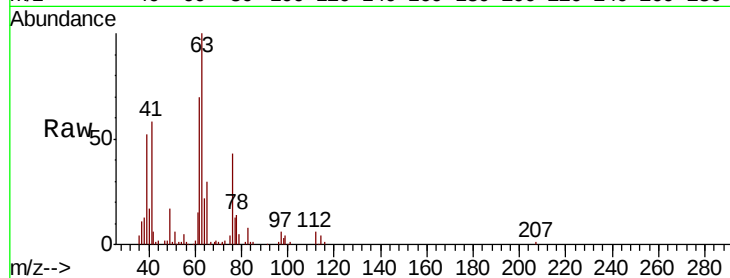
ClientSampleId :

Tot Ion: 63 Resp: 104012

Ion Ratio Lower Upper

63 100

65 30.4 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

60000

50000

40000

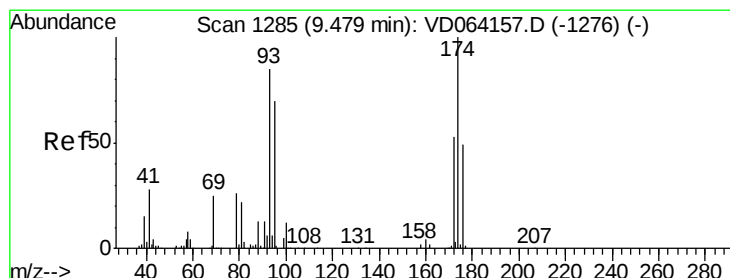
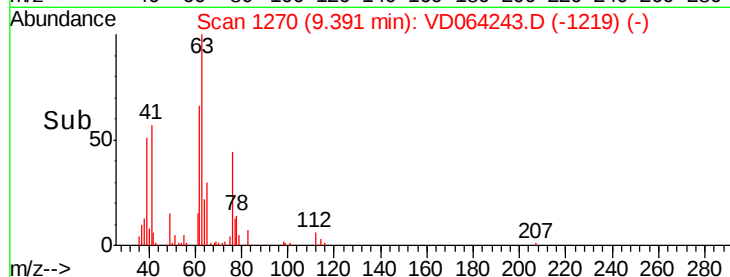
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 21.379 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

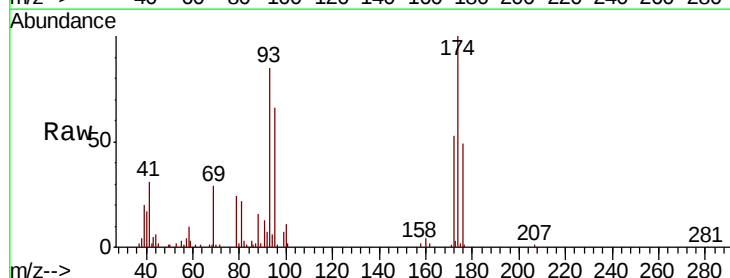
Tgt Ion: 93 Resp: 60314

Ion Ratio Lower Upper

93 100

95 81.9 65.5 98.3

174 120.1 93.9 140.9



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

50000

40000

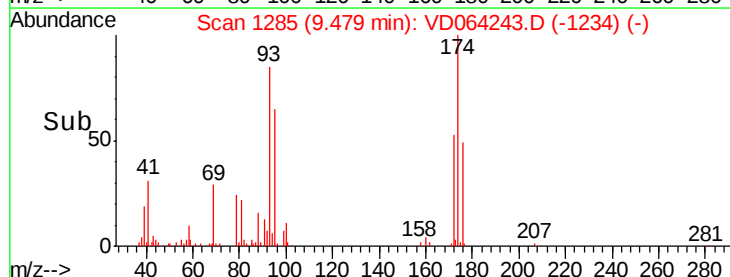
30000

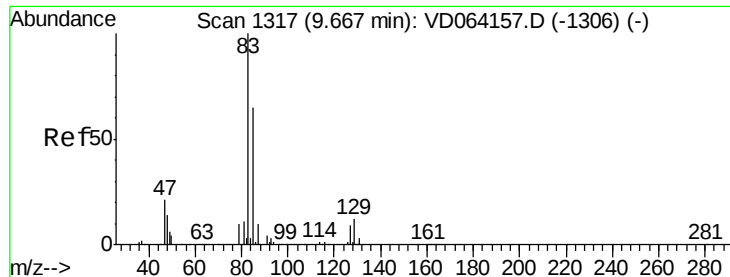
20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 20.305 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :

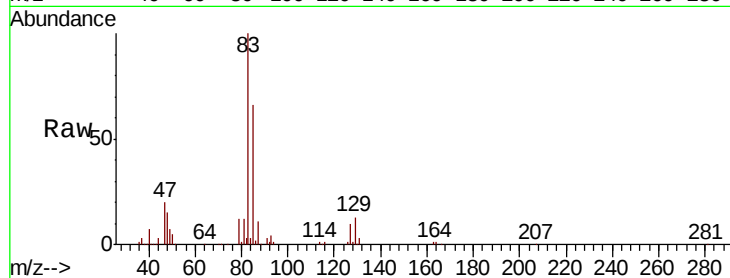
Tot Ion: 83 Resp: 154306

Ion Ratio Lower Upper

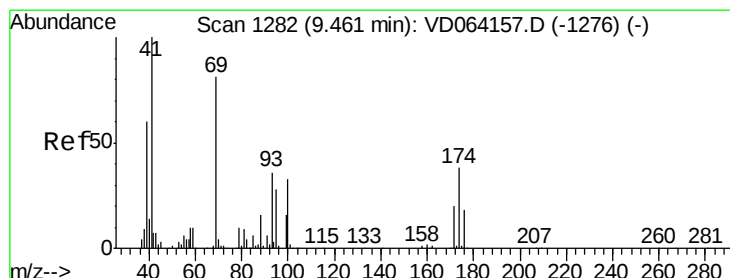
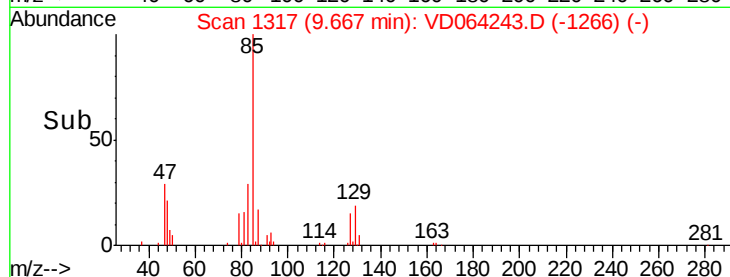
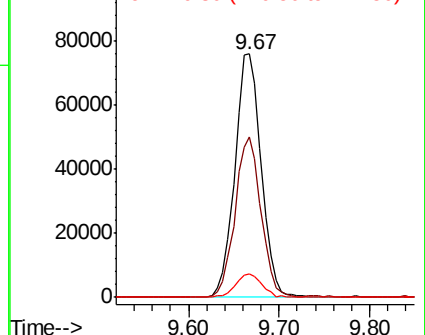
83 100

85 66.1 52.2 78.4

127 9.9 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: 19.100 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

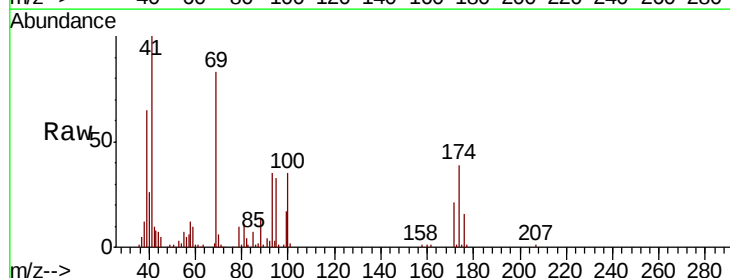
Tgt Ion: 41 Resp: 64267

Ion Ratio Lower Upper

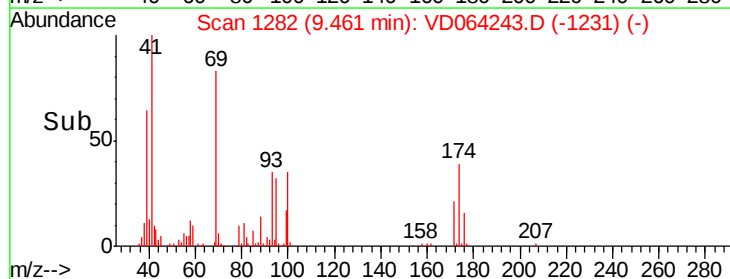
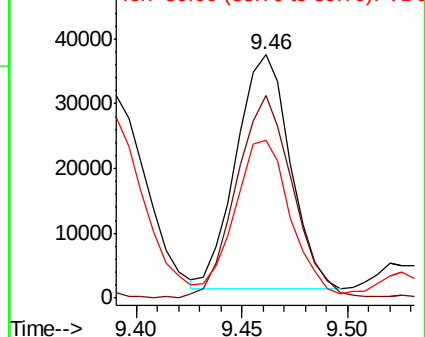
41 100

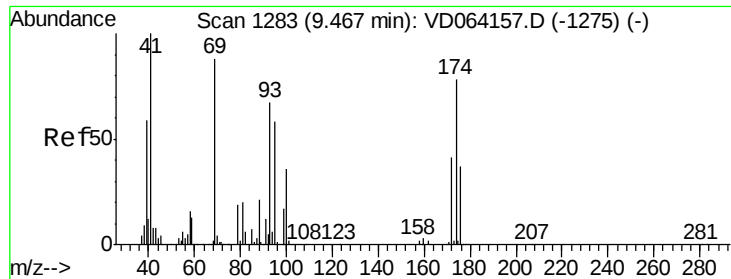
69 90.5 64.6 97.0

39 70.6 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

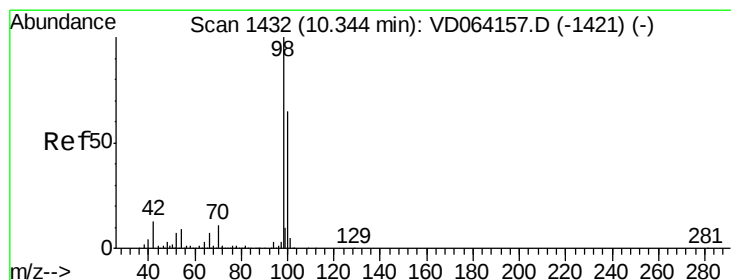
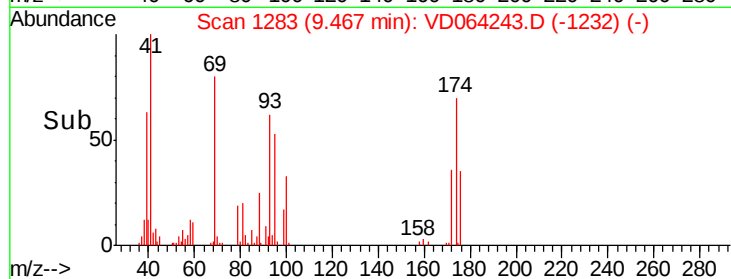
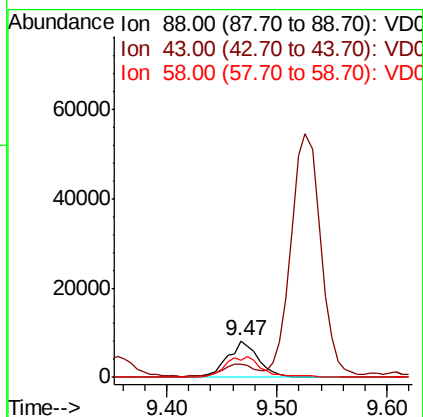
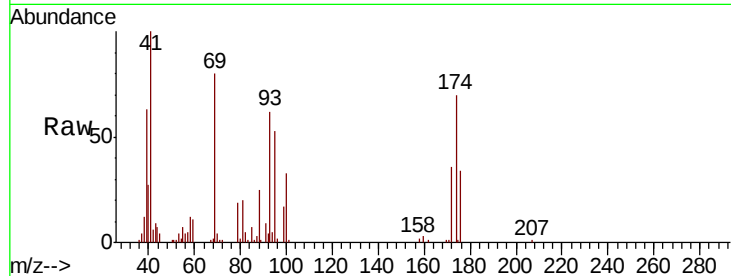




#49
1,4-Dioxane
Concen: 470.892 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

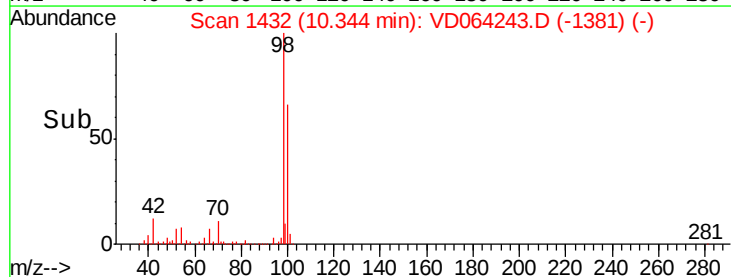
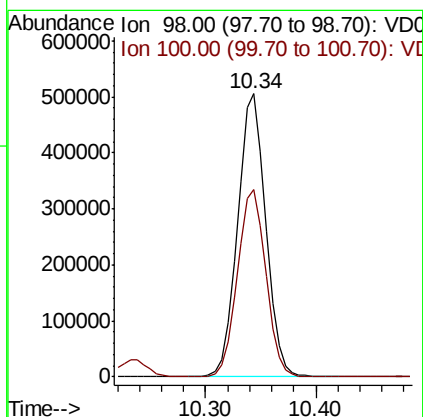
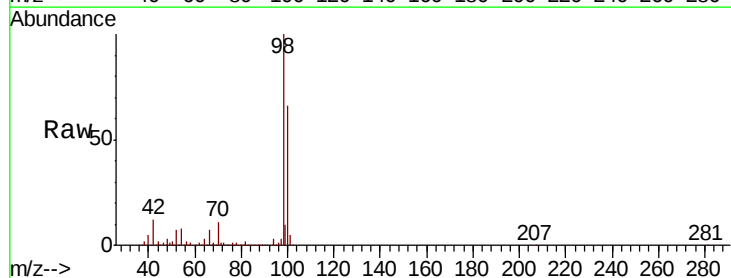
Instrument :
MSVOA_D
ClientSampleId :

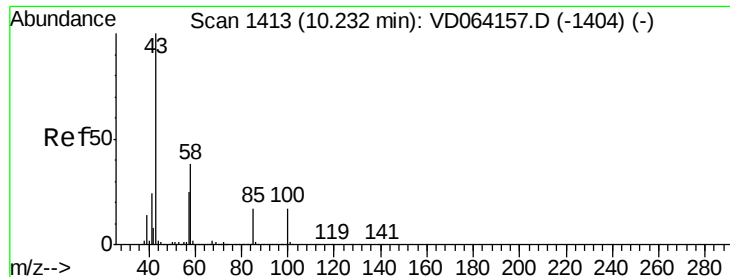
Tot Ion	88	Resp	15955
Ion	Ratio	Lower	Upper
88	100		
43	39.3	29.8	44.8
58	64.5	58.1	87.1



#50
Toluene-d8
Concen: 48.779 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion	98	Resp	906665
Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.6	78.8

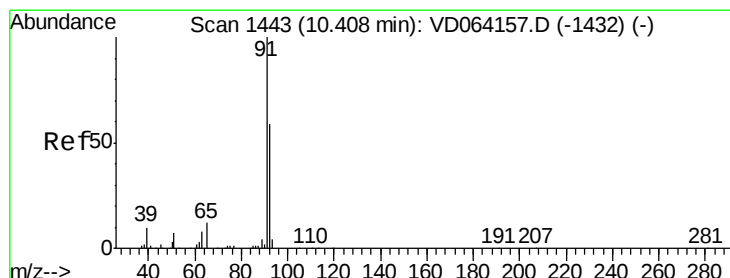
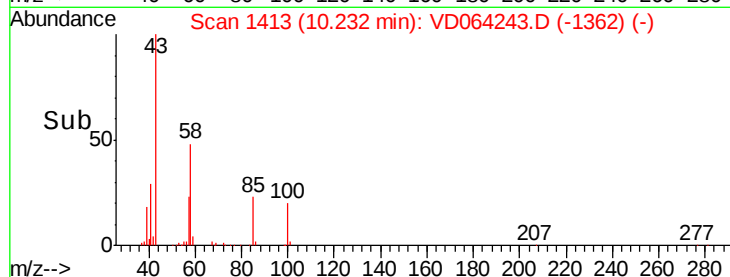
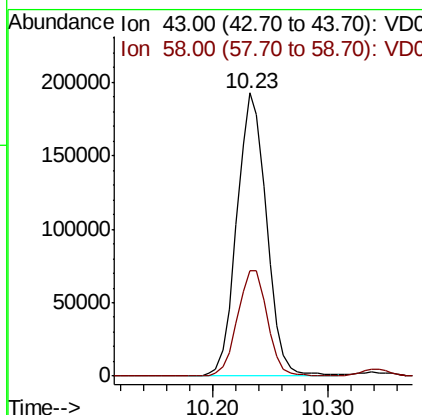
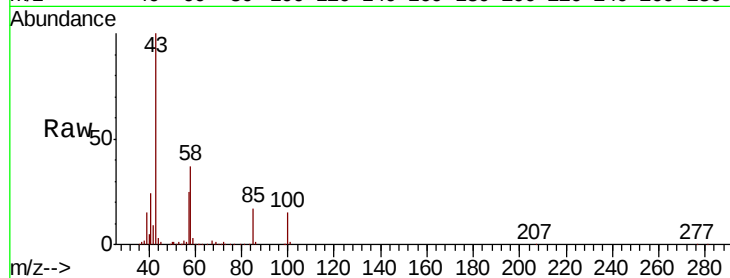




#51
4-Methyl-2-Pentanone
Concen: 104.183 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

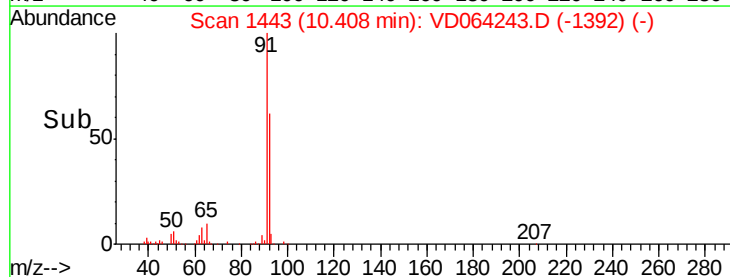
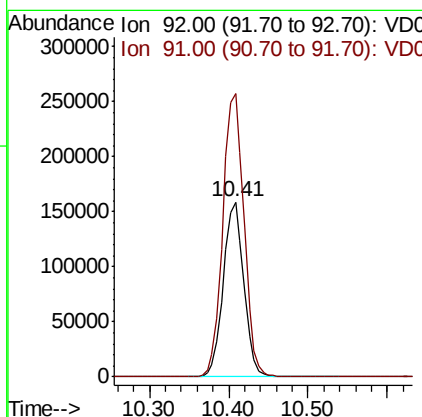
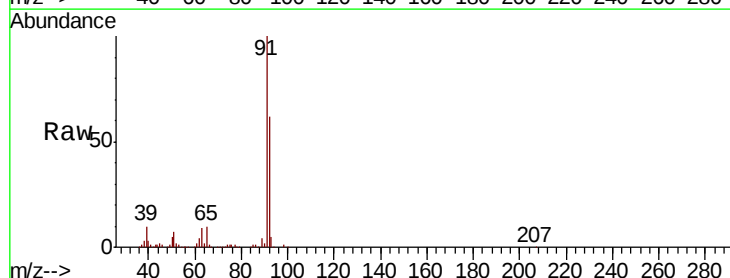
Instrument :
MSVOA_D
ClientSampled :

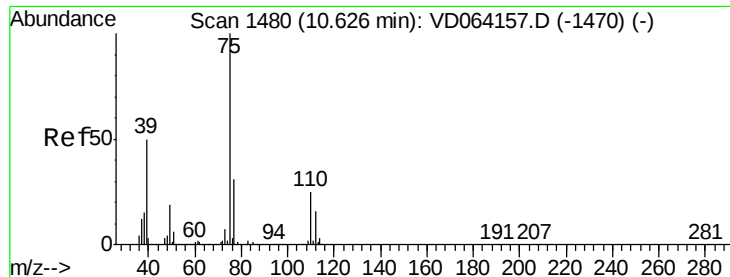
Tot Ion: 43 Resp: 343785
Ion Ratio Lower Upper
43 100
58 37.6 30.2 45.4



#52
Toluene
Concen: 20.010 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion: 92 Resp: 284880
Ion Ratio Lower Upper
92 100
91 166.6 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 19.173 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

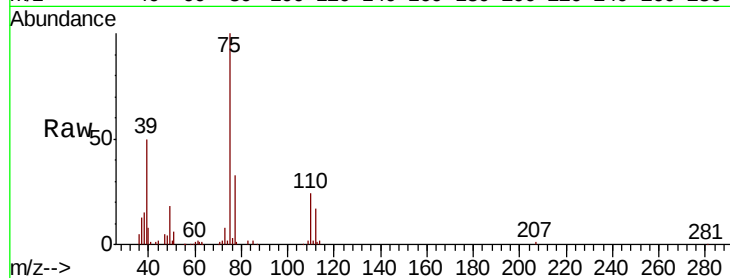
ClientSampleId :

Tot Ion: 75 Resp: 145967

Ion Ratio Lower Upper

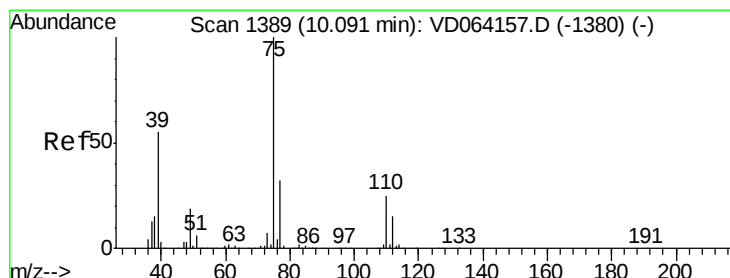
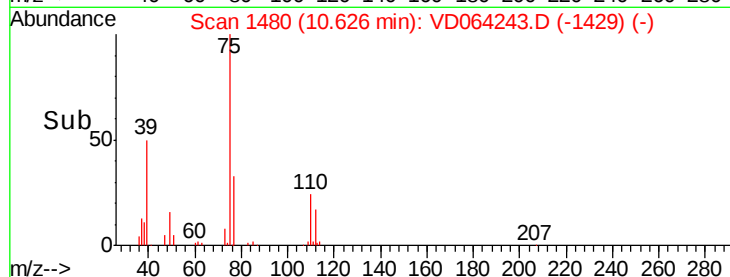
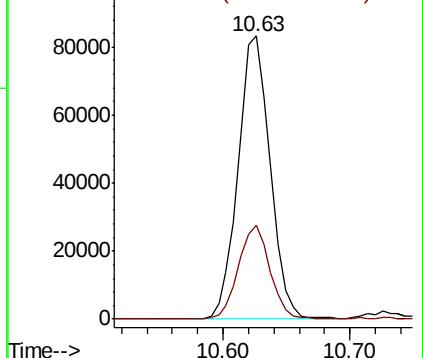
75 100

77 33.4 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: 19.405 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

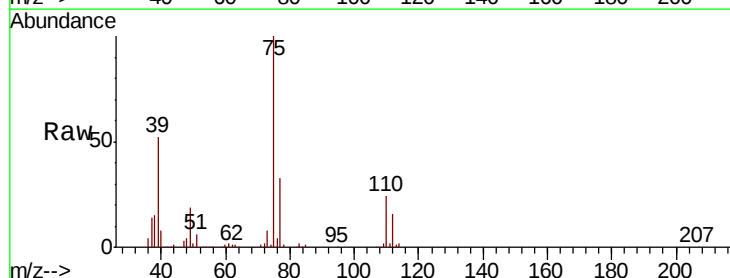
Tgt Ion: 75 Resp: 172398

Ion Ratio Lower Upper

75 100

77 32.6 25.2 37.8

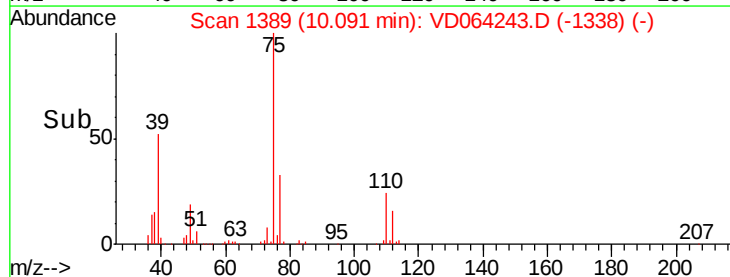
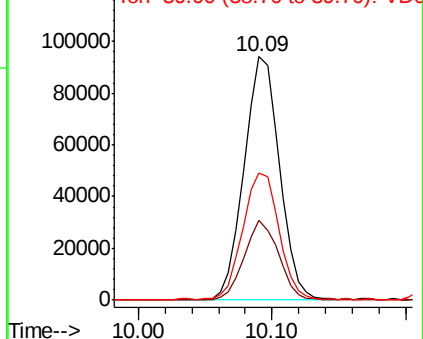
39 52.2 44.2 66.2

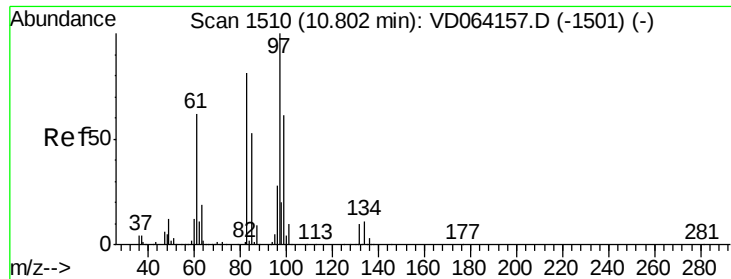


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

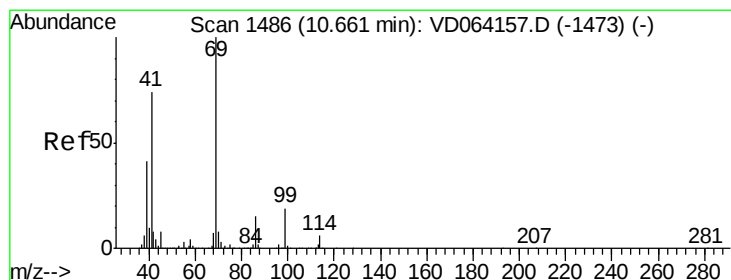
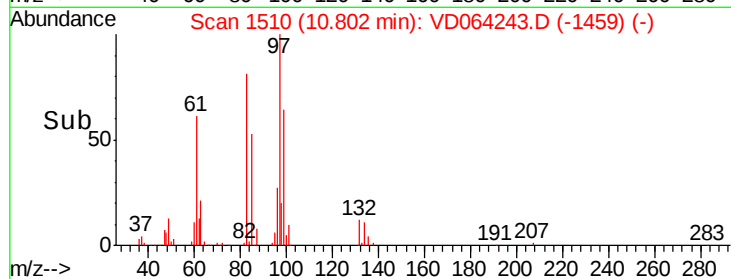
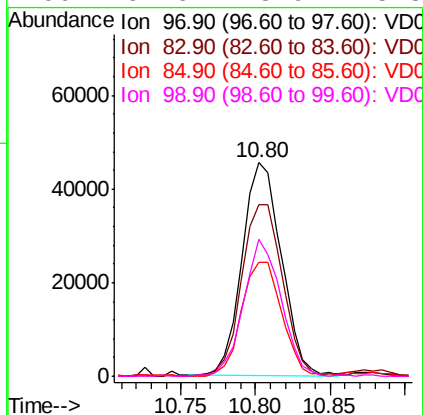
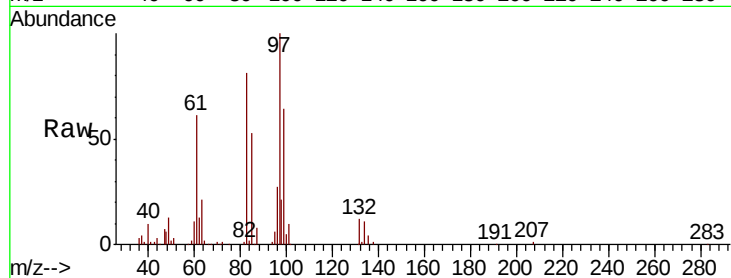




#55
 1,1,2-Trichloroethane
 Concen: 21.672 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

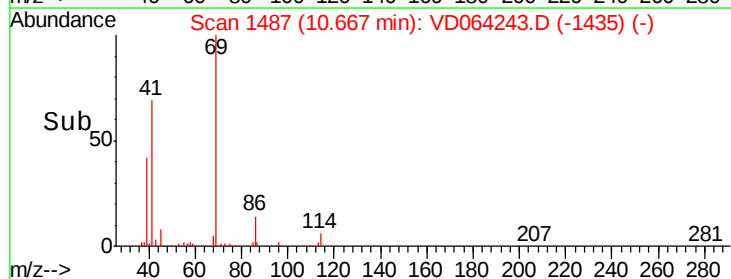
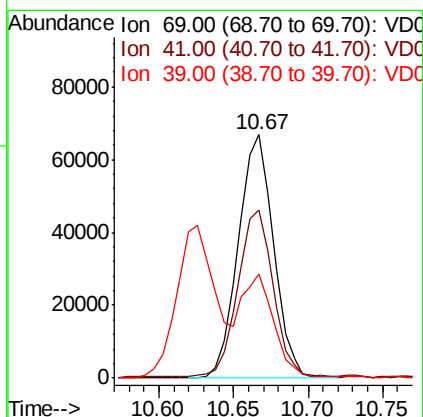
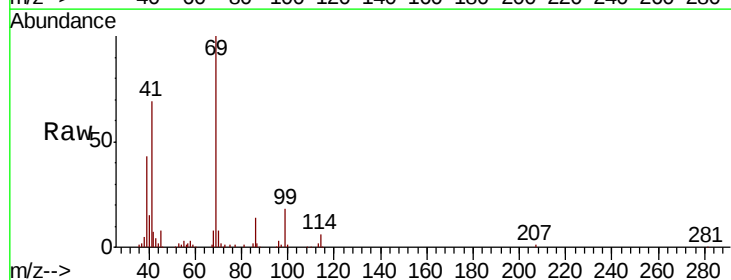
Instrument :
 MSVOA_D
 ClientSampleId :

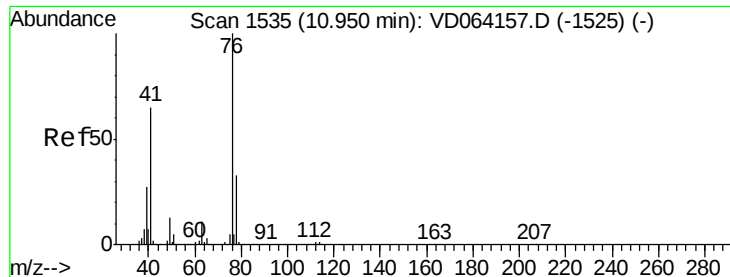
Tot Ion:	97	Resp:	82943
Ion	Ratio	Lower	Upper
97	100		
83	80.9	65.1	97.7
85	53.7	42.0	63.0
99	64.6	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 20.612 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion:	69	Resp:	110348
Ion	Ratio	Lower	Upper
69	100		
41	67.9	57.9	86.9
39	37.5	29.0	43.4

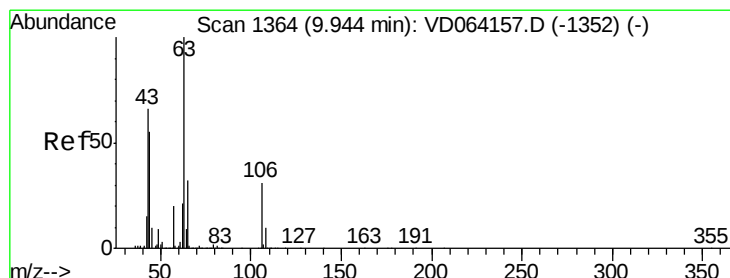
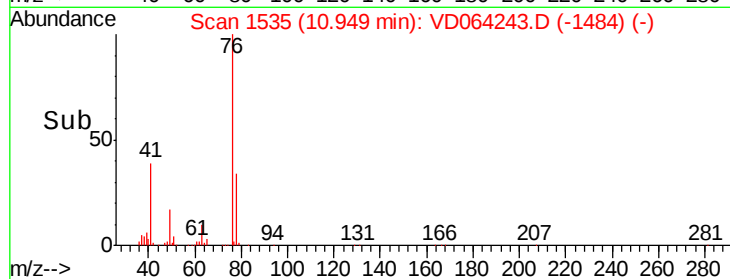
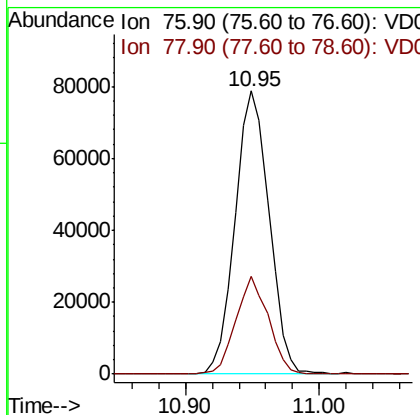
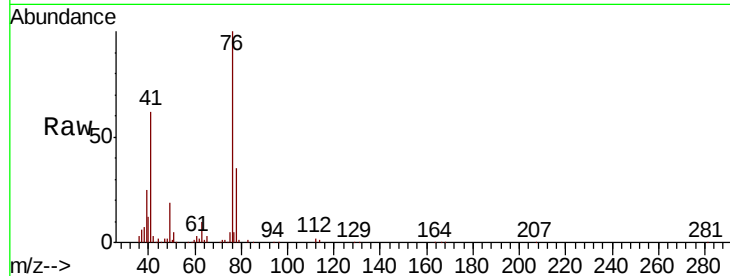




#57
 1,3-Dichloropropane
 Concen: 20.918 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

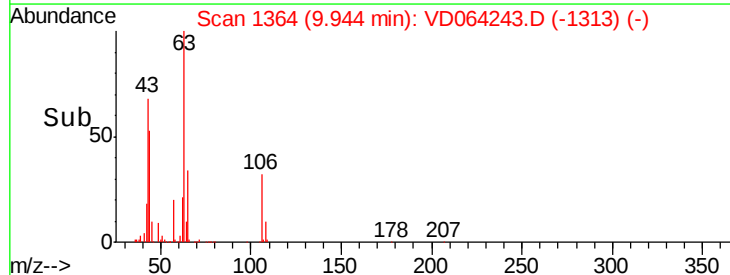
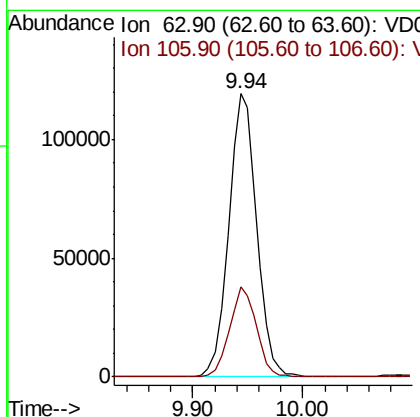
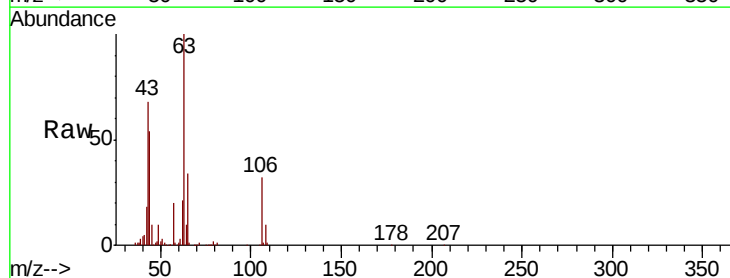
Instrument :
 MSVOA_D
 ClientSampleId :

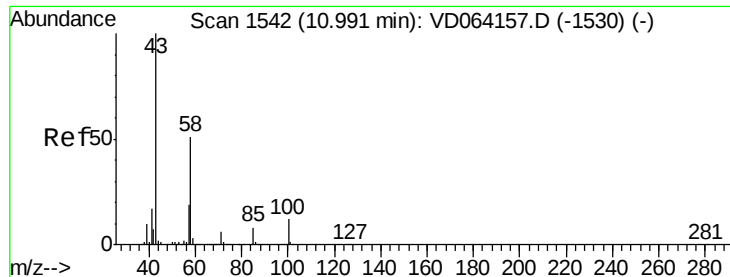
Tot Ion: 76 Resp: 139619
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.174 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion: 63 Resp: 210737
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.1 36.1

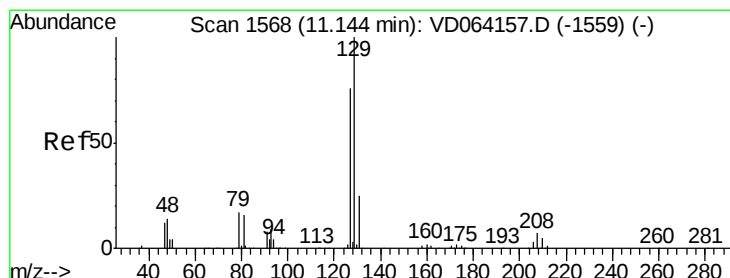
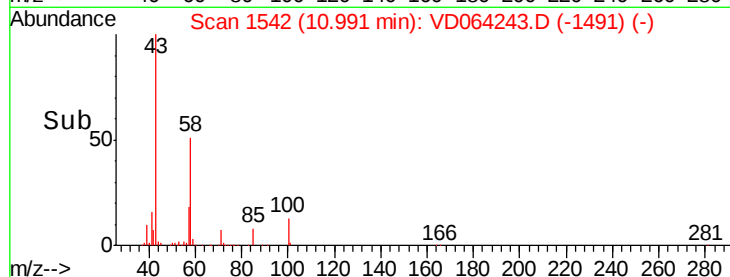
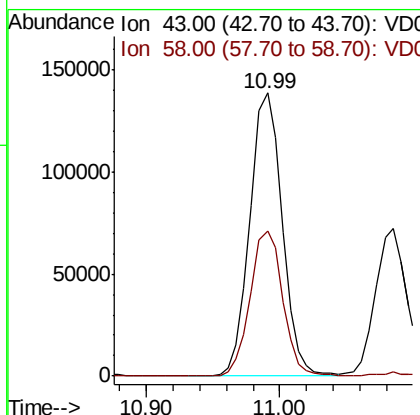
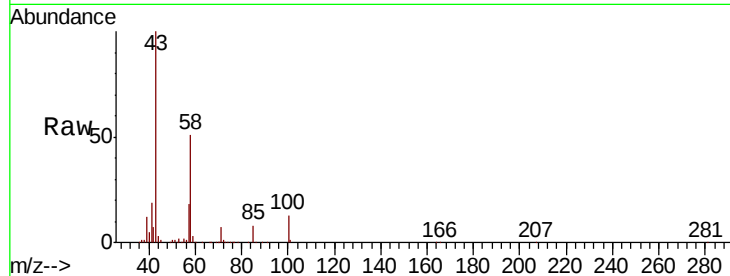




#59
2-Hexanone
Concen: 99.072 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

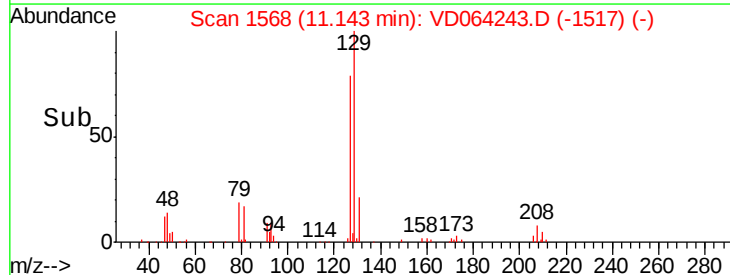
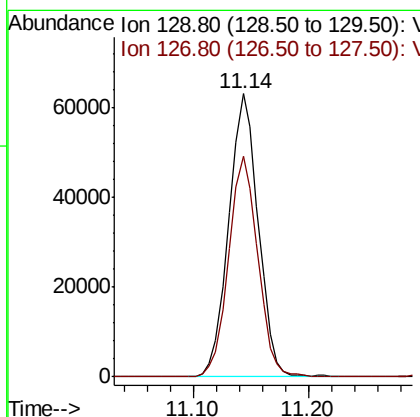
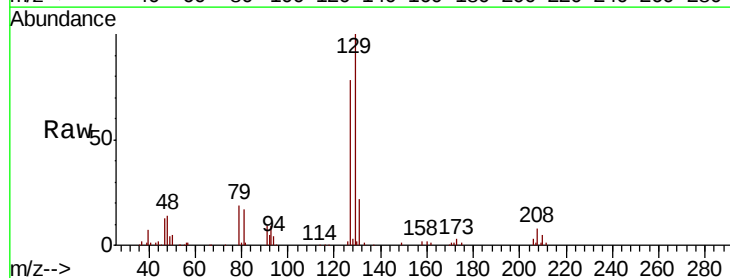
Instrument :
MSVOA_D
ClientSampleId :

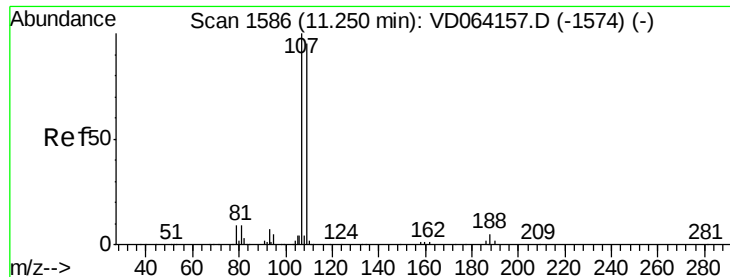
Tot Ion: 43 Resp: 232585
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.7



#60
Dibromochloromethane
Concen: 20.887 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion: 129 Resp: 111545
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8

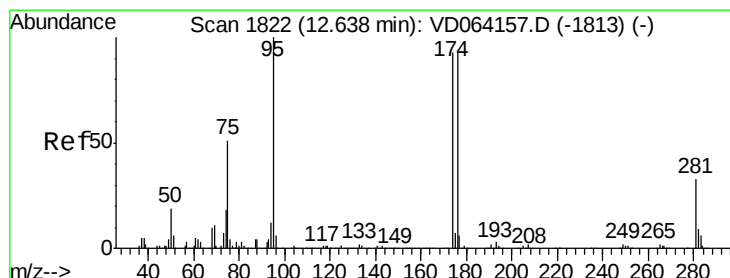
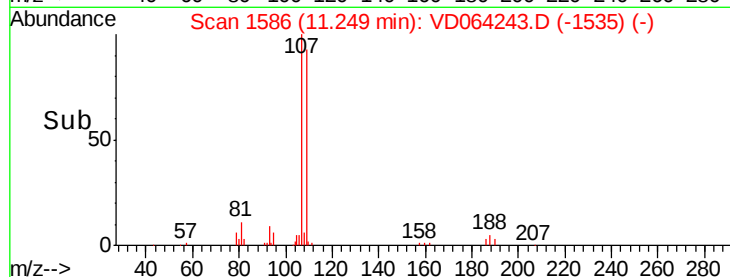
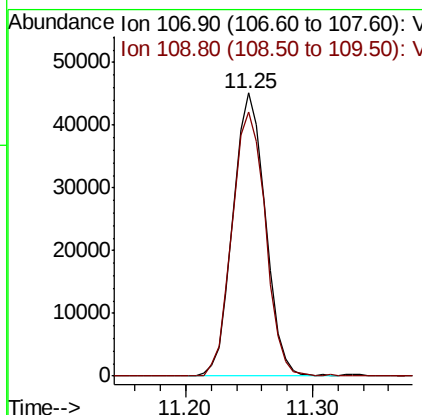
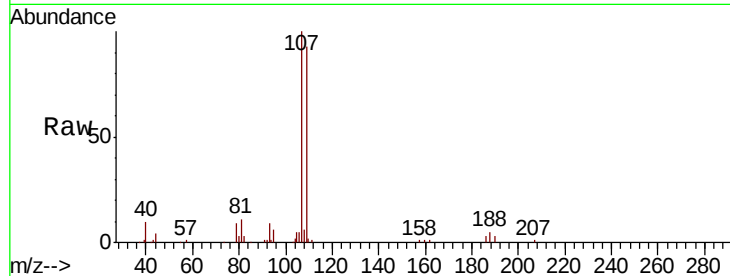




#61
 1,2-Dibromoethane
 Concen: 20.874 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

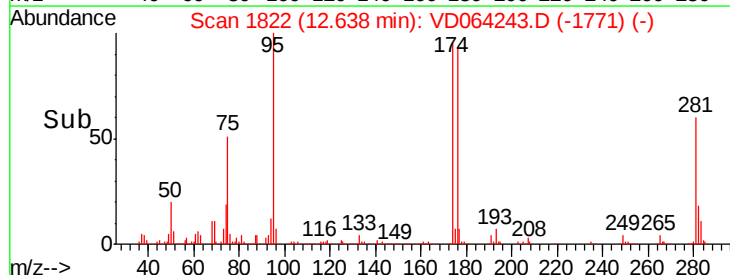
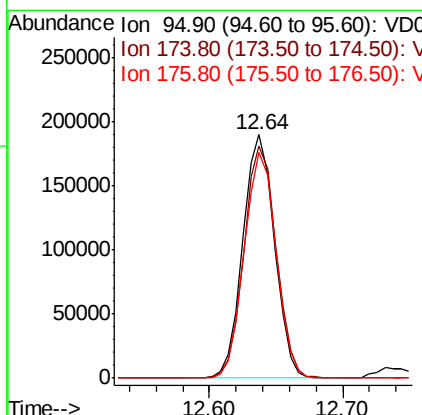
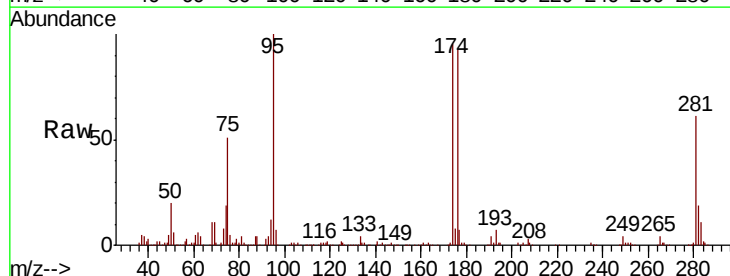
Instrument :
 MSVOA_D
 ClientSampleId :

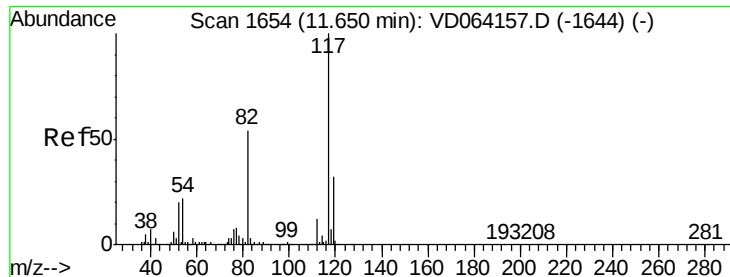
Tot Ion:107 Resp: 80016
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 48.158 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion: 95 Resp: 309987
 Ion Ratio Lower Upper
 95 100
 174 96.9 0.0 183.6
 176 93.7 0.0 180.2

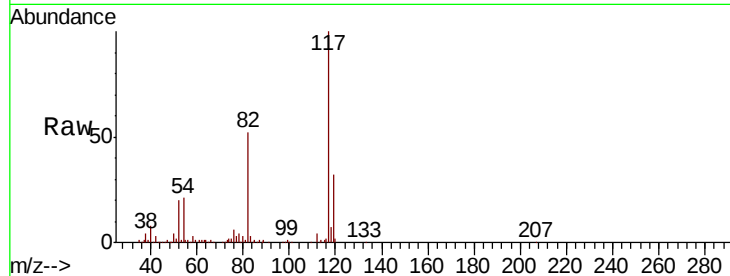




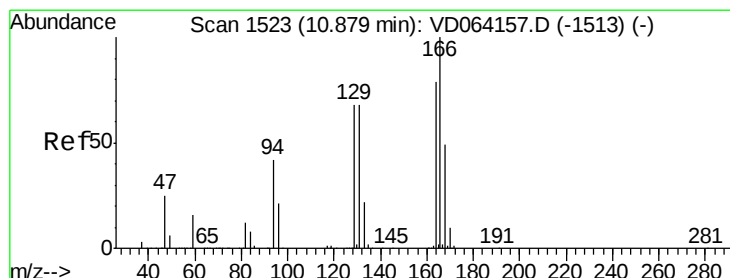
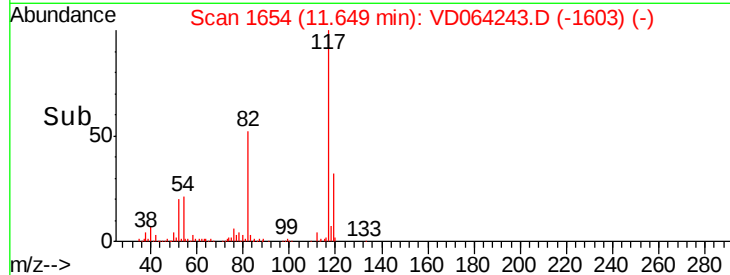
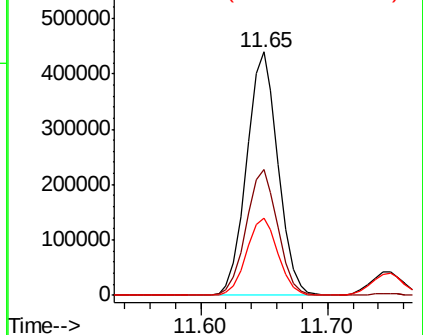
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 755357
Ion Ratio Lower Upper
117 100
82 51.8 42.8 64.2
119 31.8 25.6 38.4

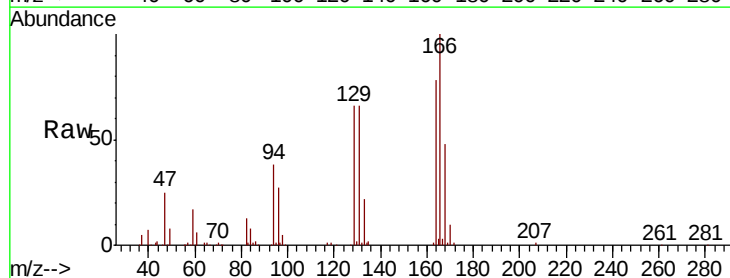


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

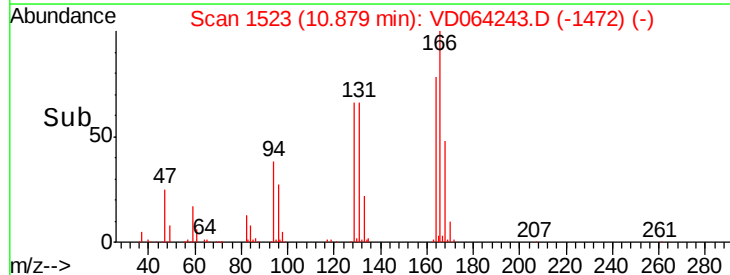
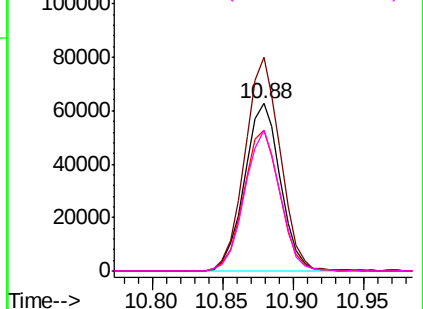


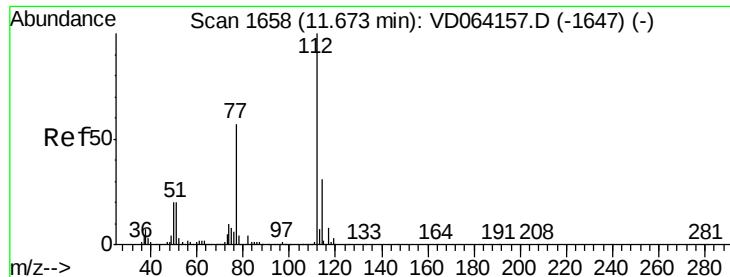
#64
Tetrachloroethene
Concen: 19.219 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion:164 Resp: 111650
Ion Ratio Lower Upper
164 100
166 127.4 100.8 151.2
129 83.9 68.7 103.1
131 83.9 68.1 102.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

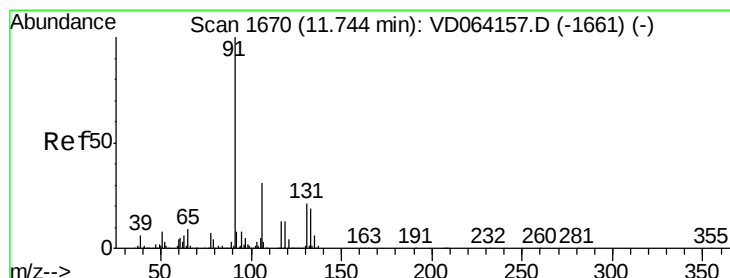
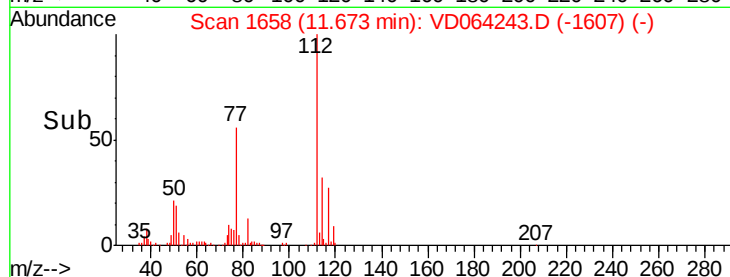
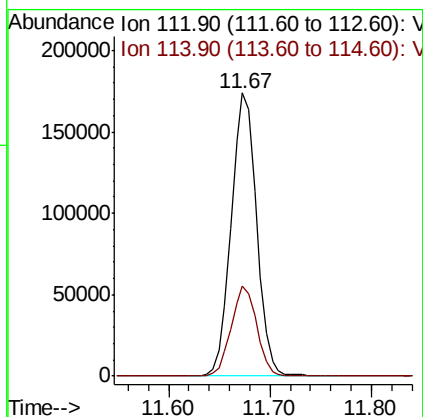
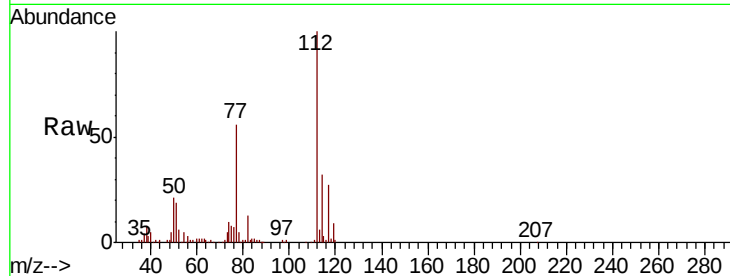




#65
Chlorobenzene
Concen: 19.675 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

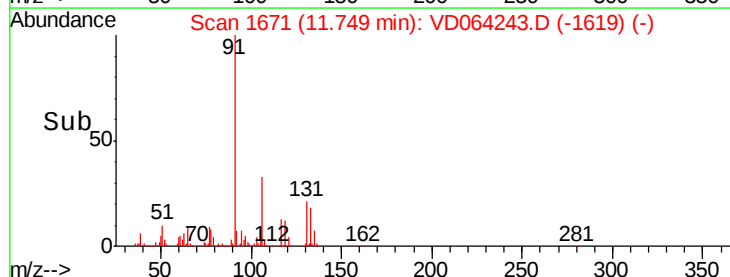
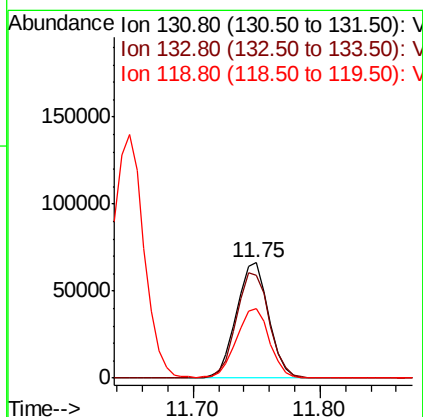
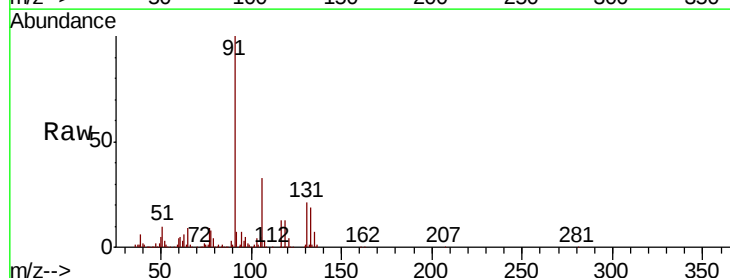
Instrument :
MSVOA_D
ClientSampleId :

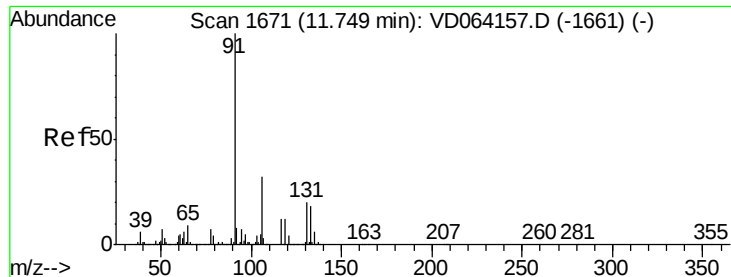
Tot Ion:112 Resp: 302213
Ion Ratio Lower Upper
112 100
114 31.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.024 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion:131 Resp: 116950
Ion Ratio Lower Upper
131 100
133 93.9 47.3 141.9
119 62.0 31.1 93.3





#67

Ethyl Benzene

Concen: 19.275 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

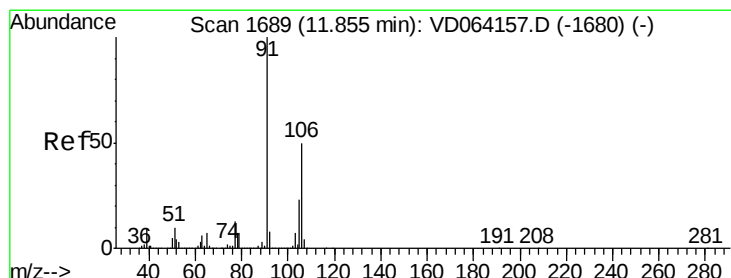
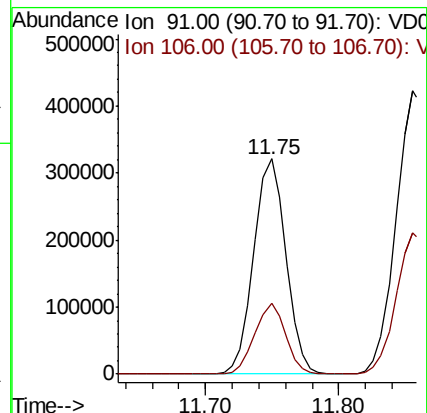
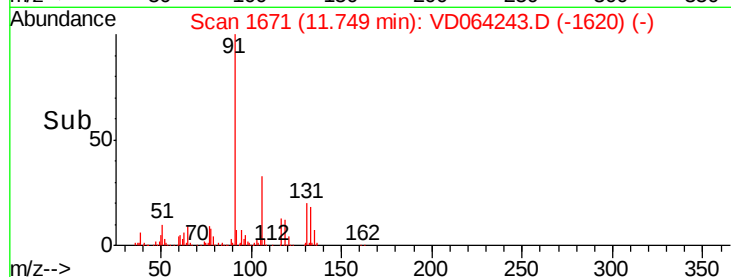
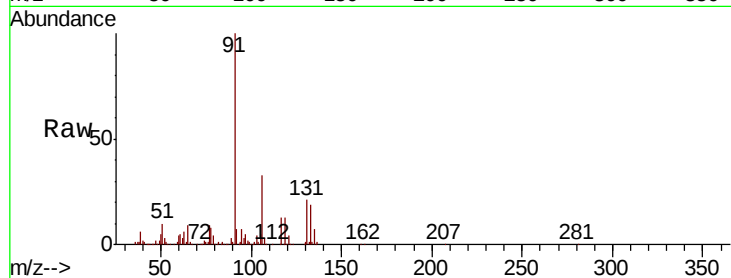
ClientSampled :

Tot Ion: 91 Resp: 535528

Ion Ratio Lower Upper

91 100

106 32.8 25.5 38.3



#68

m/p-Xylenes

Concen: 38.663 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064243.D

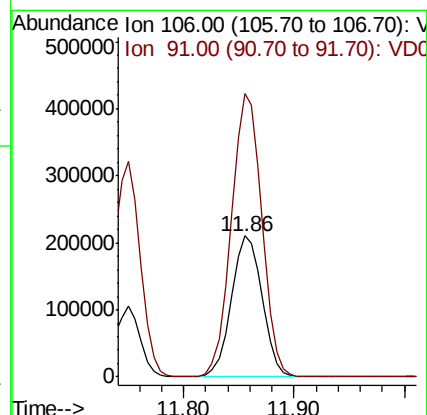
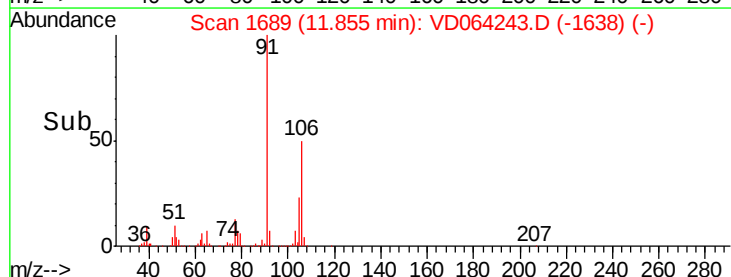
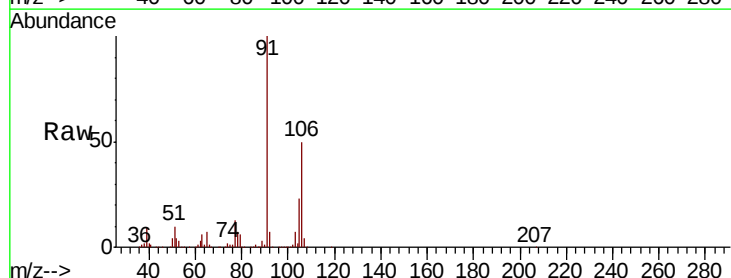
Acq: 16 Nov 2019 00:34

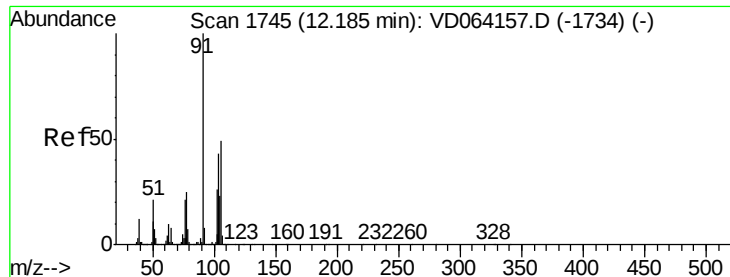
Tgt Ion: 106 Resp: 411743

Ion Ratio Lower Upper

106 100

91 199.0 160.3 240.5

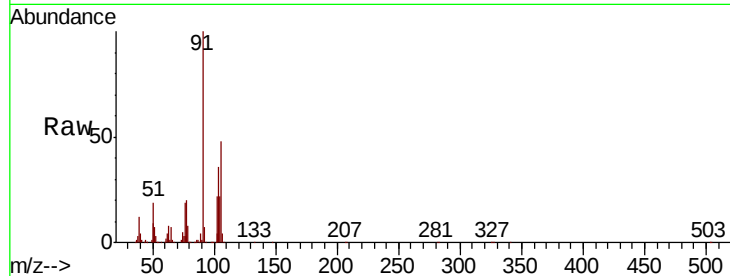




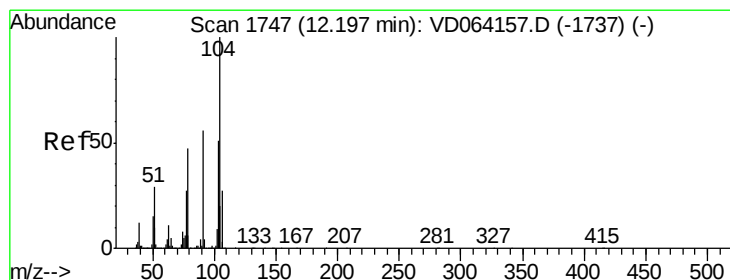
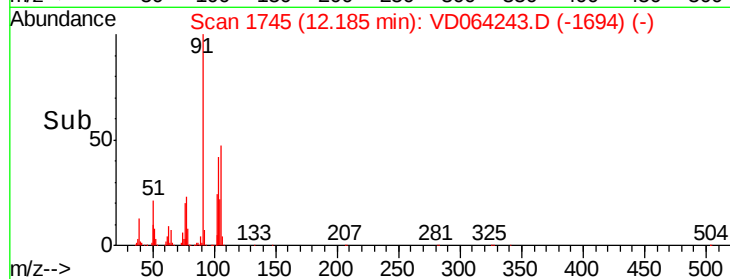
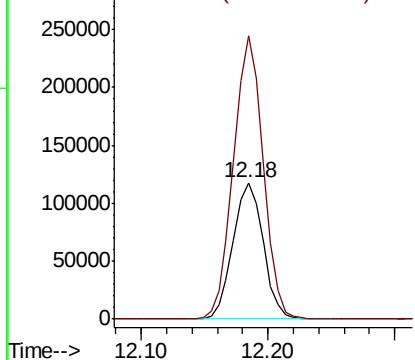
#69
o-Xylene
Concen: 19.665 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 194227
Ion Ratio Lower Upper
106 100
91 204.3 105.1 315.3

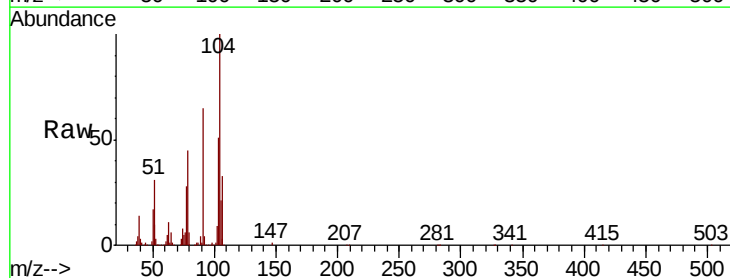


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

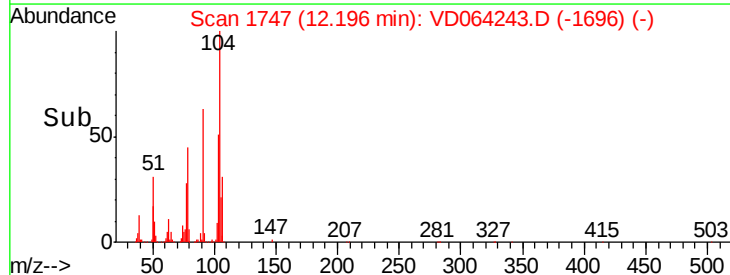
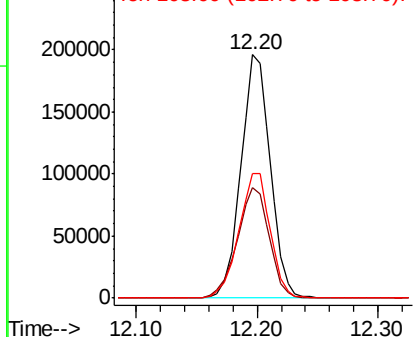


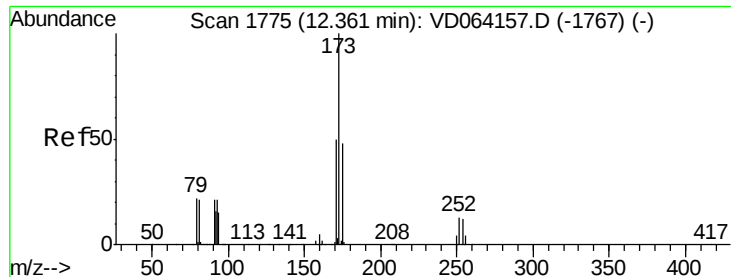
#70
Styrene
Concen: 19.287 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion:104 Resp: 332525
Ion Ratio Lower Upper
104 100
78 49.2 39.9 59.9
103 54.9 43.4 65.0



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





#71

Bromoform

Concen: 20.964 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampled :

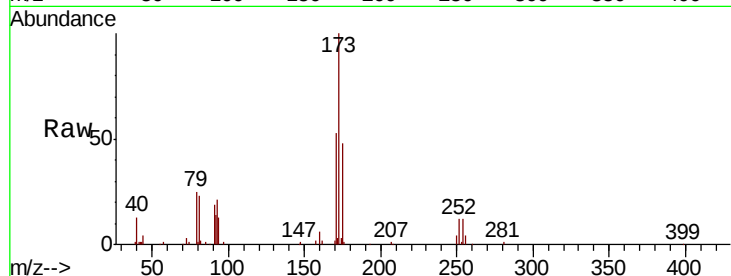
Tot Ion:173 Resp: 69683

Ion Ratio Lower Upper

173 100

175 49.4 24.1 72.3

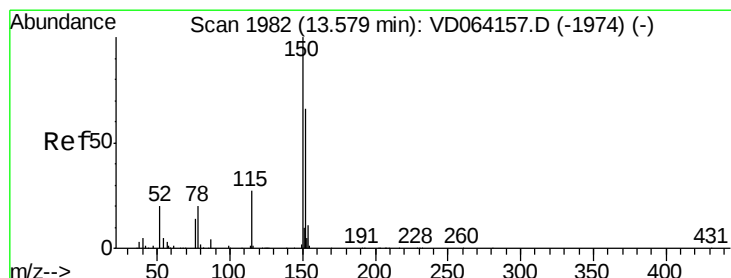
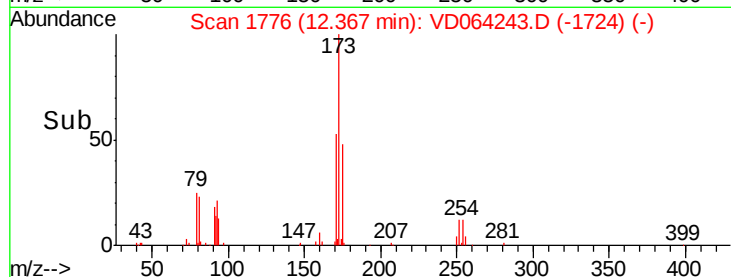
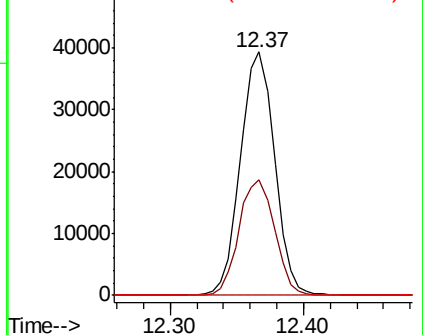
254 0.0 0.2 0.2#



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: VD064243.D

Acq: 16 Nov 2019 00:34

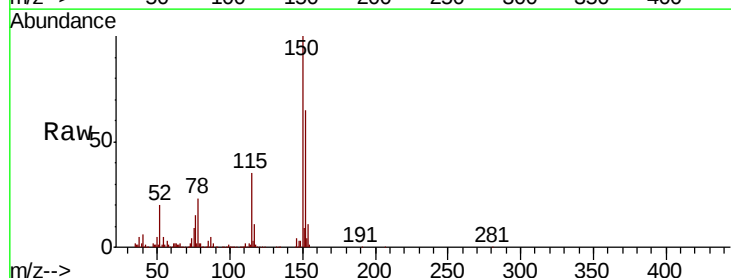
Tgt Ion:152 Resp: 361542

Ion Ratio Lower Upper

152 100

115 55.0 27.4 82.2

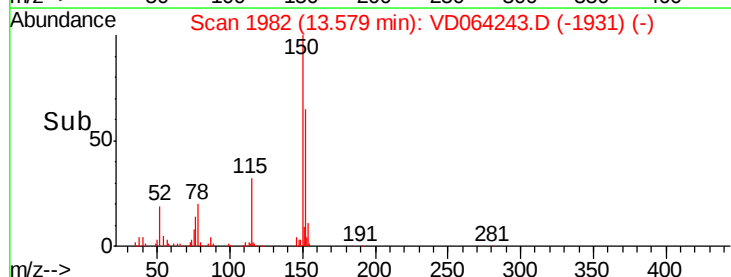
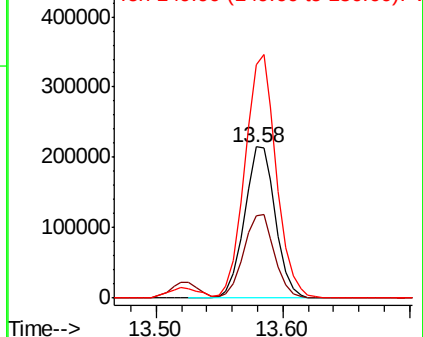
150 164.0 0.0 351.6

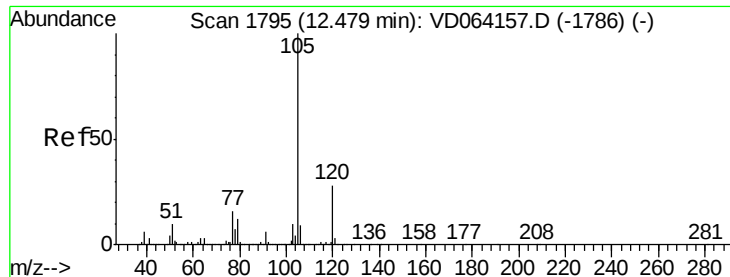


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.414 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

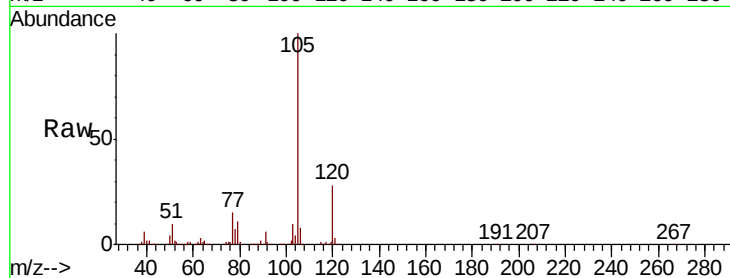
ClientSampleId :

Tot Ion:105 Resp: 515194

Ion Ratio Lower Upper

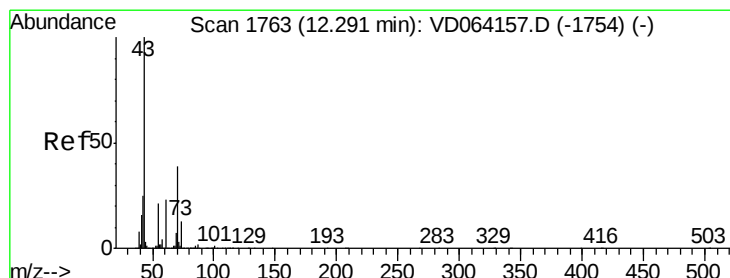
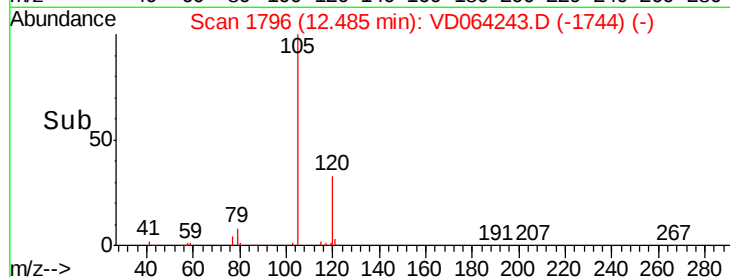
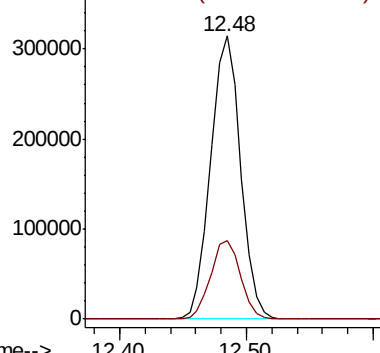
105 100

120 28.0 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.987 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Tgt Ion: 43 Resp: 125250

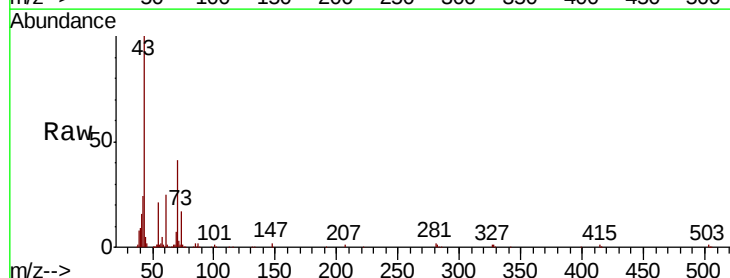
Ion Ratio Lower Upper

43 100

70 41.0 32.4 48.6

55 22.4 17.9 26.9

61 24.0 19.0 28.4

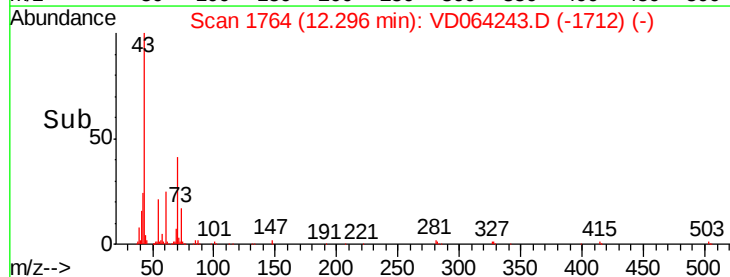
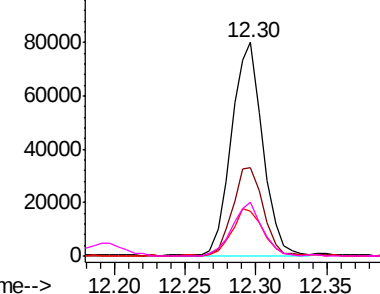


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.693 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampleId :

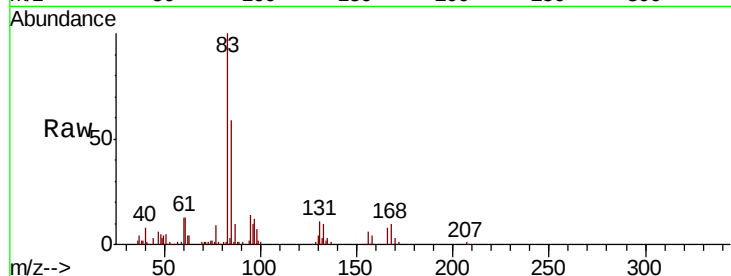
Tot Ion: 83 Resp: 86741

Ion Ratio Lower Upper

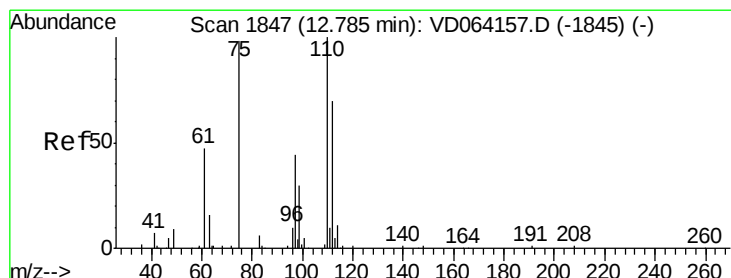
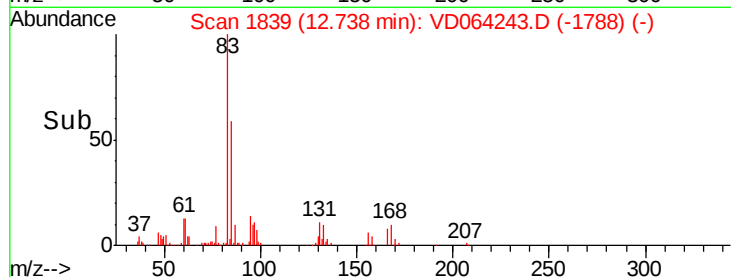
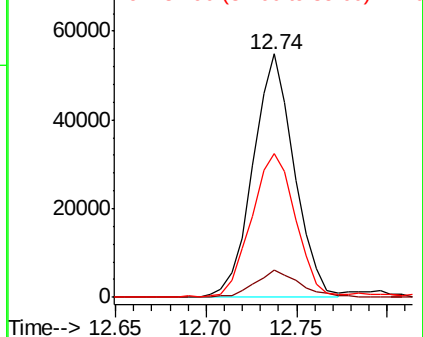
83 100

131 12.1 5.9 17.7

85 63.5 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: 40.035 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064243.D

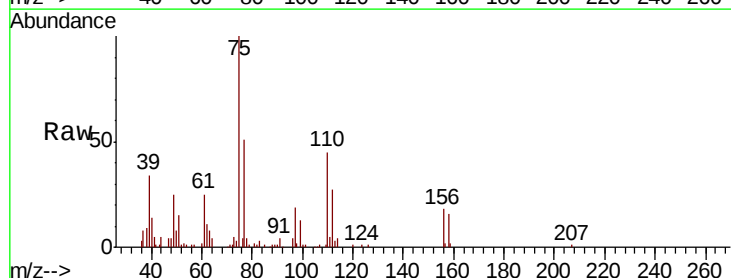
Acq: 16 Nov 2019 00:34

Tgt Ion: 75 Resp: 116585

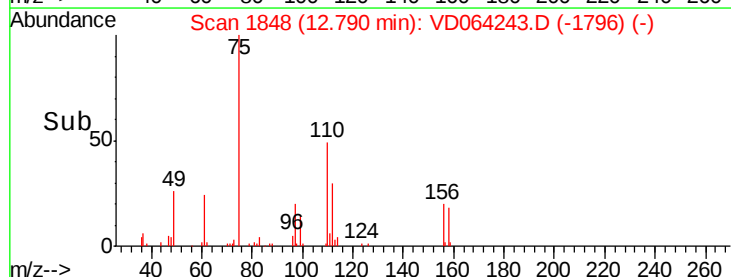
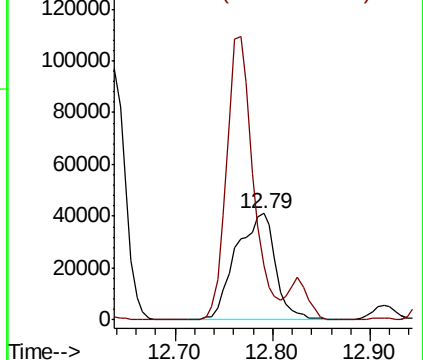
Ion Ratio Lower Upper

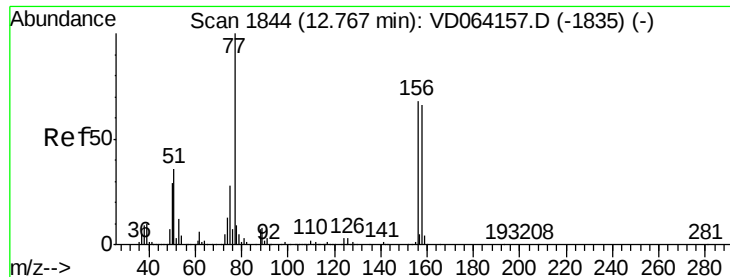
75 100

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: 21.070 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampled :

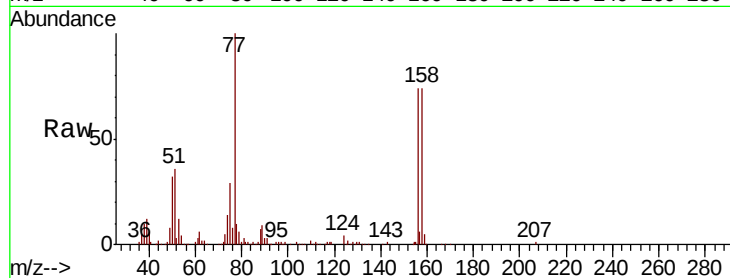
Tot Ion:156 Resp: 135841

Ion Ratio Lower Upper

156 100

77 153.9 81.2 243.4

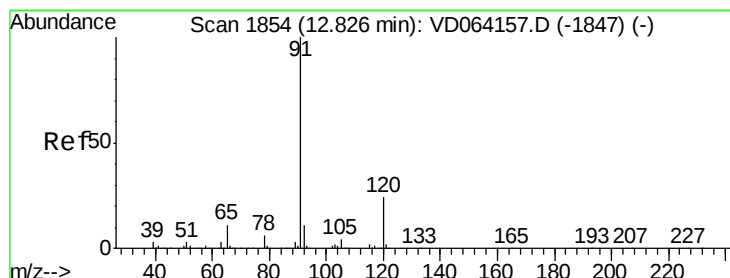
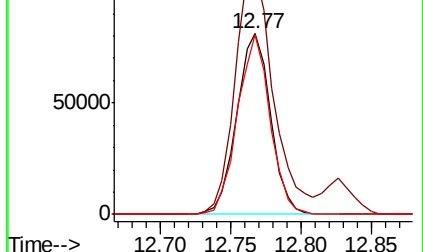
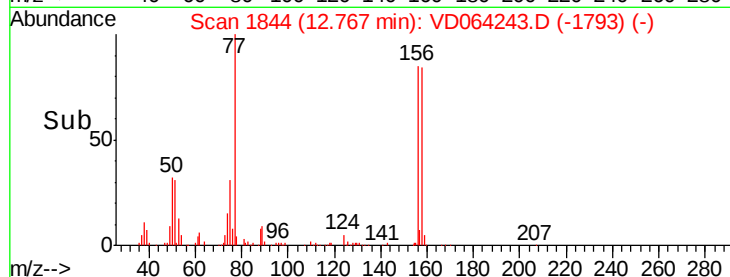
158 95.4 48.4 145.2



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: 19.491 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064243.D

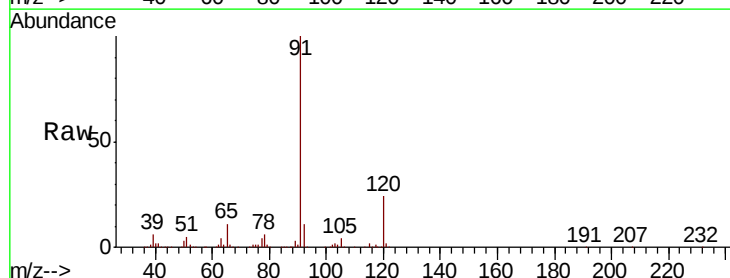
Acq: 16 Nov 2019 00:34

Tgt Ion: 91 Resp: 590940

Ion Ratio Lower Upper

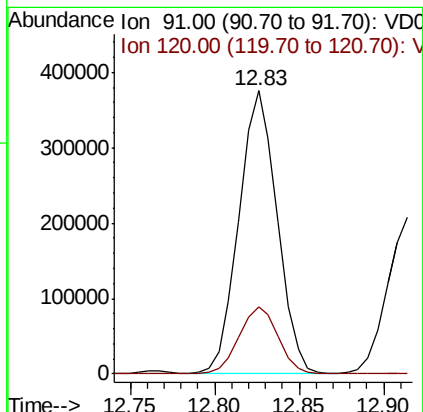
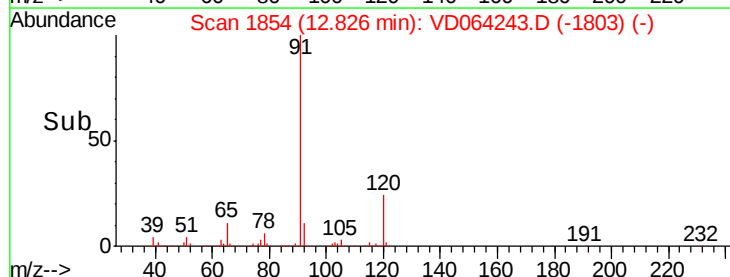
91 100

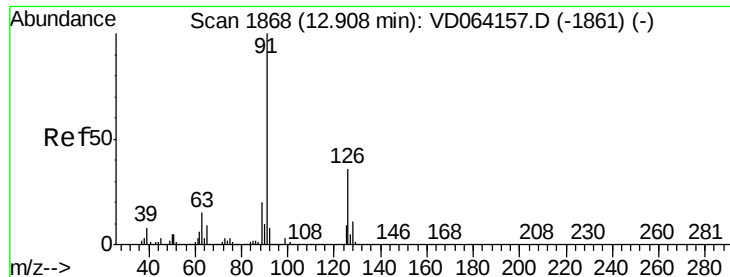
120 24.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

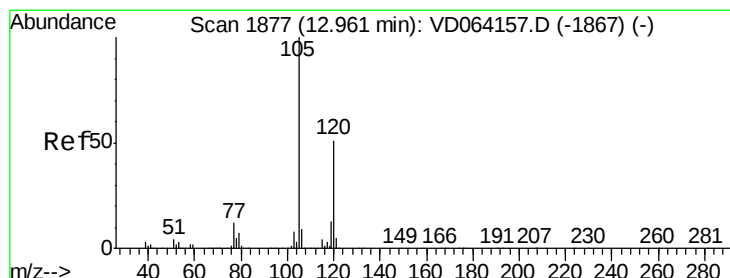
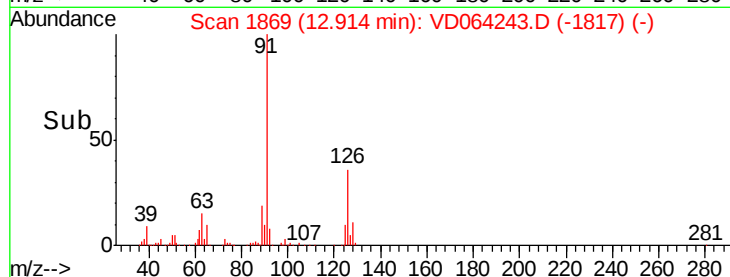
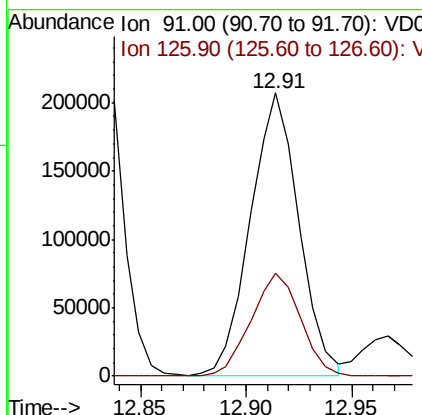
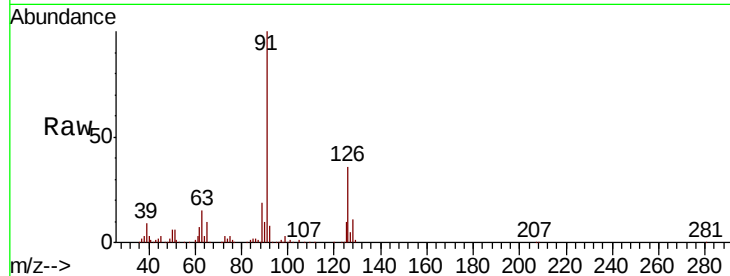




#79
 2-Chlorotoluene
 Concen: 19.225 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

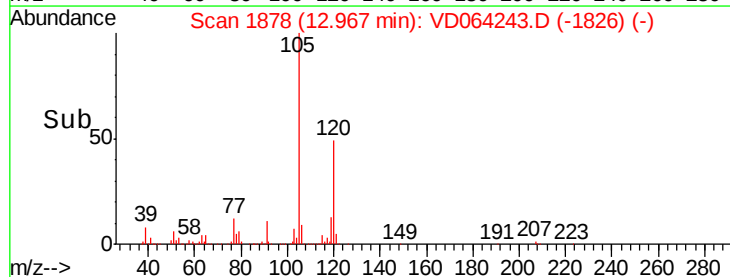
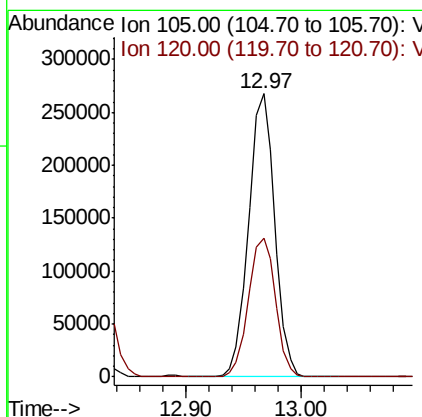
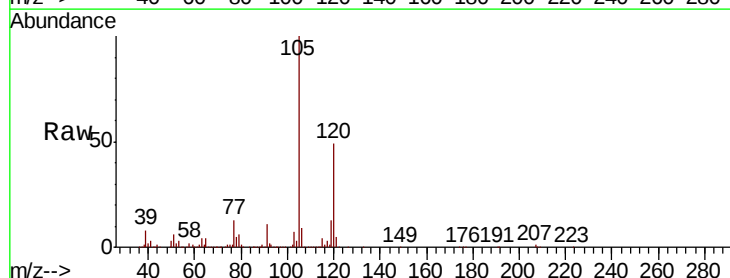
Instrument :
 MSVOA_D
 ClientSampled :

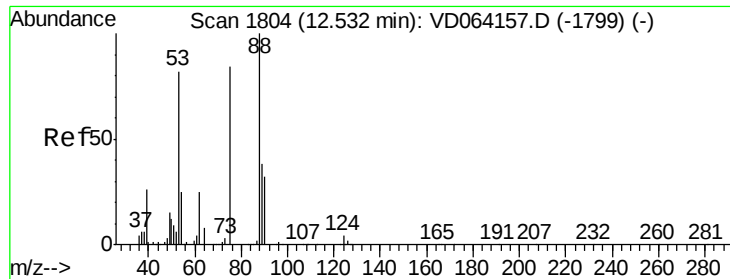
Tot Ion: 91 Resp: 329087
 Ion Ratio Lower Upper
 91 100
 126 37.0 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 19.411 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion: 105 Resp: 423262
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.4 76.4

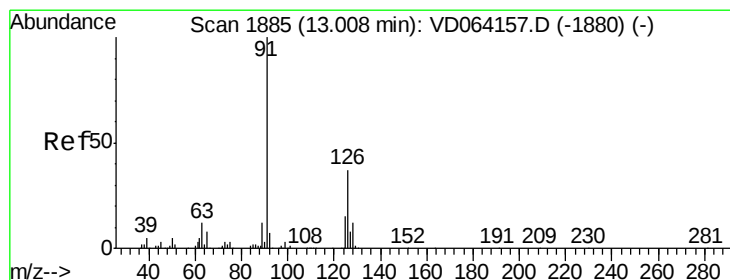
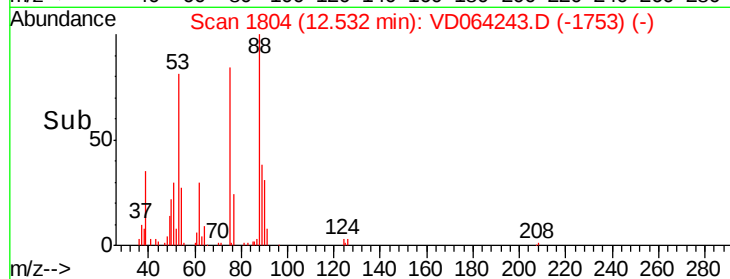
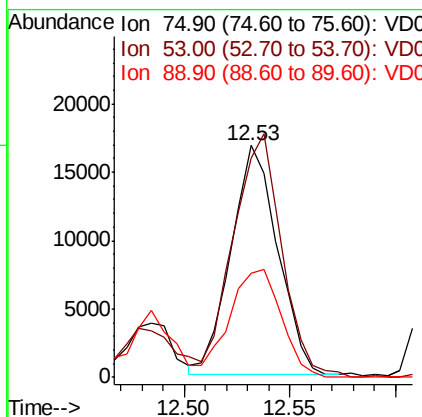
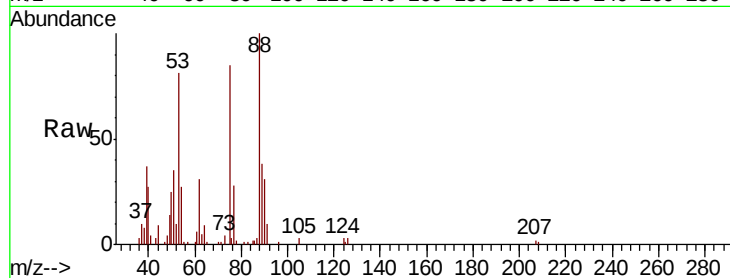




#81
trans-1,4-Dichloro-2-butene
Concen: 17.558 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

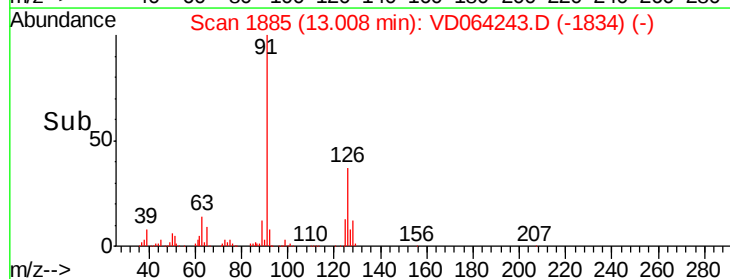
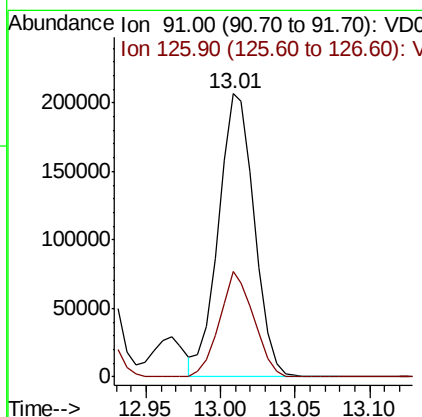
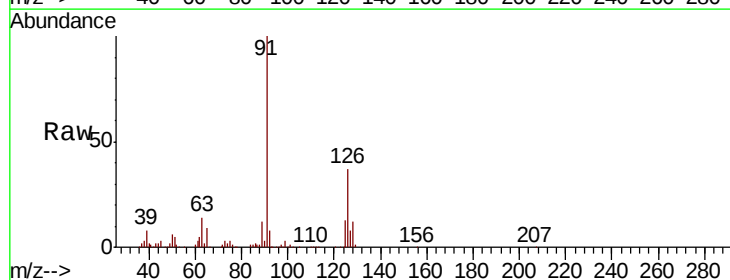
Instrument :
MSVOA_D
ClientSampleId :

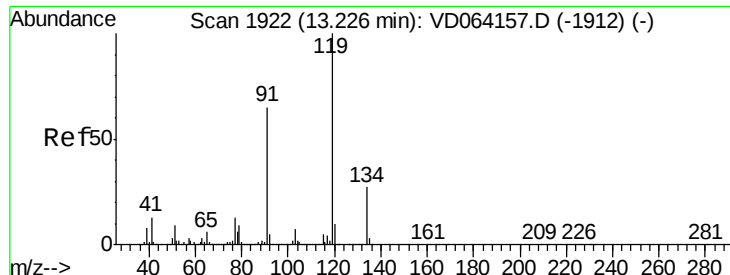
Tot Ion: 75 Resp: 25740
Ion Ratio Lower Upper
75 100
53 109.7 79.4 119.0
89 52.9 36.6 55.0



#82
4-Chlorotoluene
Concen: 19.366 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion: 91 Resp: 345762
Ion Ratio Lower Upper
91 100
126 35.8 17.8 53.4

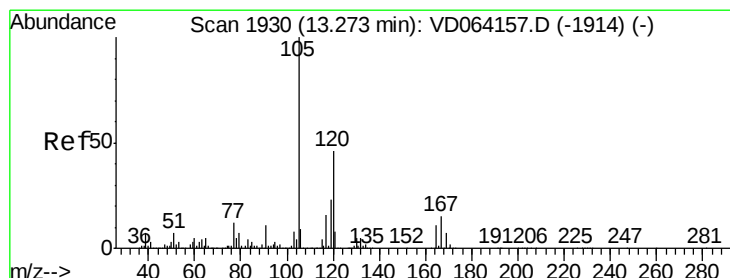
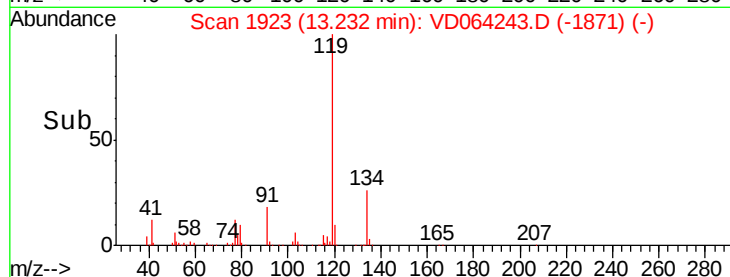
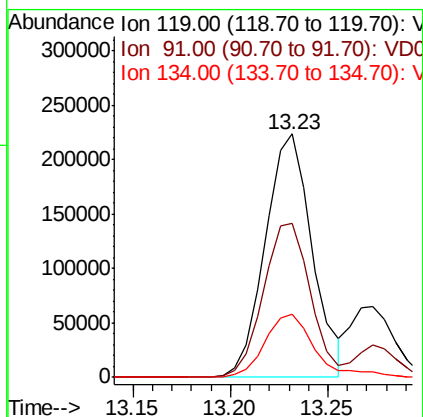
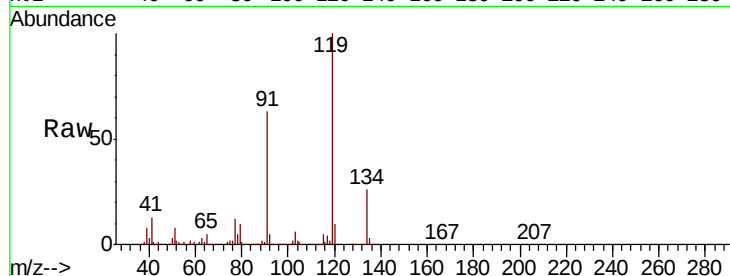




#83
 tert-Butylbenzene
 Concen: 19.450 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

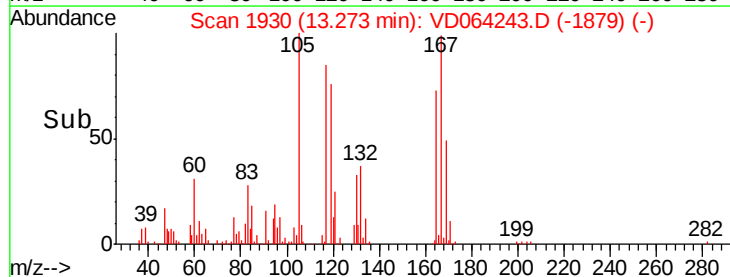
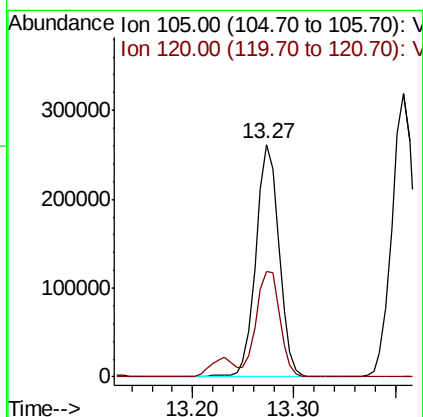
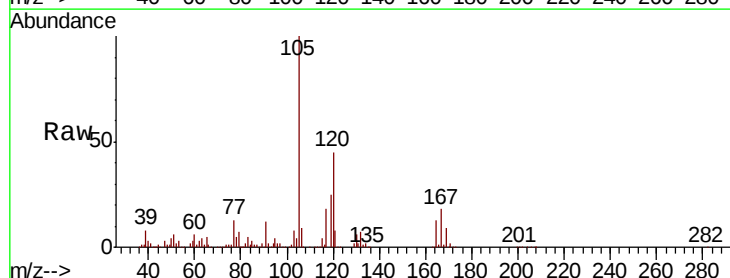
Instrument :
 MSVOA_D
 ClientSampled :

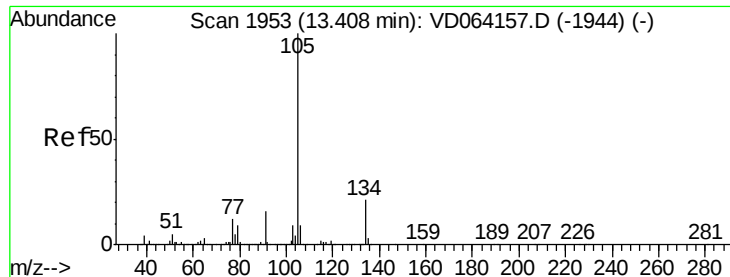
Tot Ion:119 Resp: 373983
 Ion Ratio Lower Upper
 119 100
 91 63.1 31.8 95.4
 134 27.7 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.339 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion:105 Resp: 416322
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.3 69.8

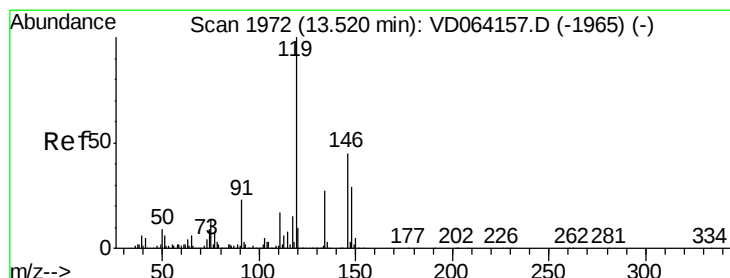
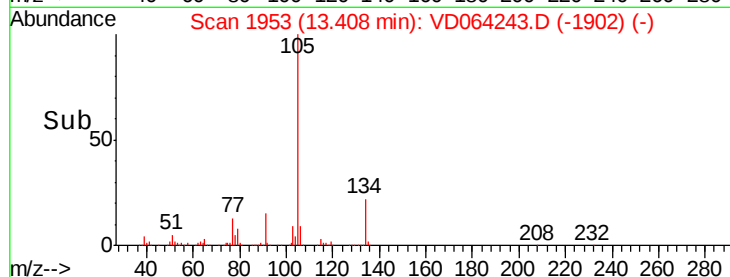
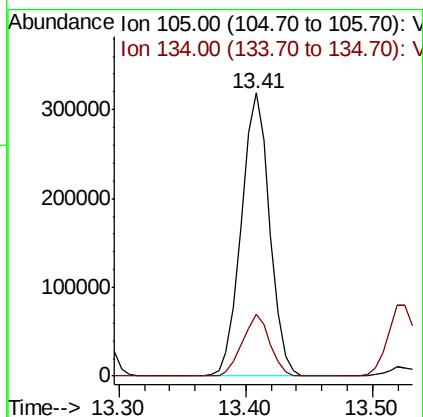
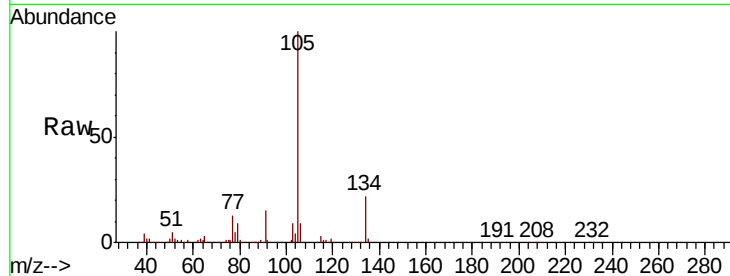




#85
 sec-Butylbenzene
 Concen: 19.092 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

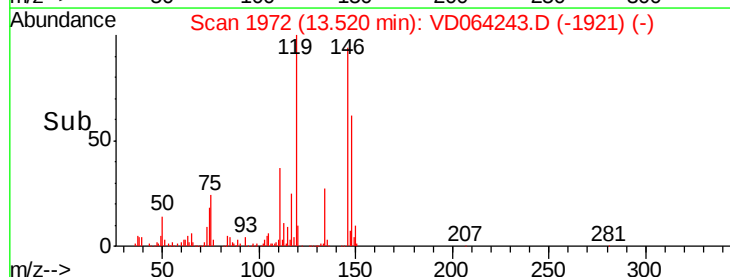
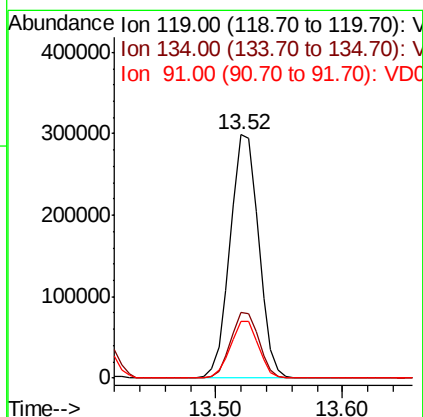
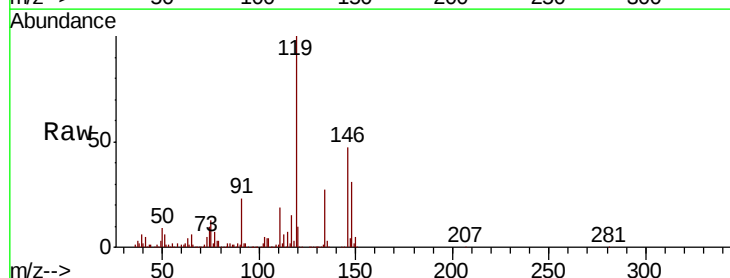
Instrument :
 MSVOA_D
 ClientSampled :

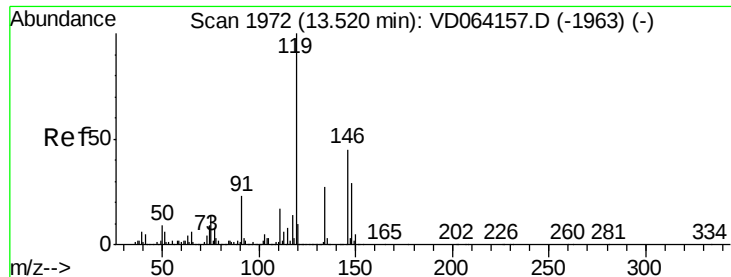
Tot Ion:105 Resp: 493050
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 18.949 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion:119 Resp: 465224
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.5
 91 23.0 11.5 34.4

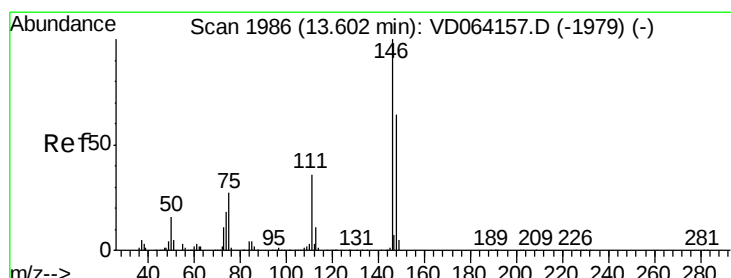
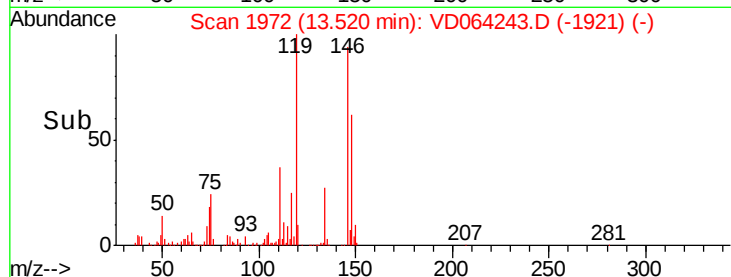
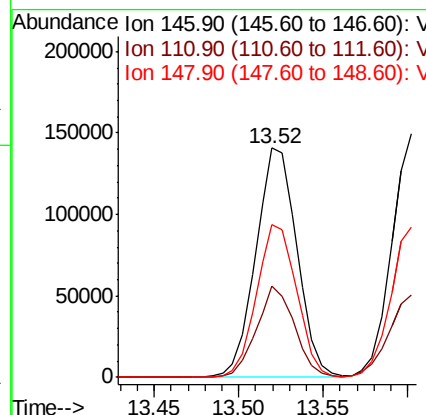
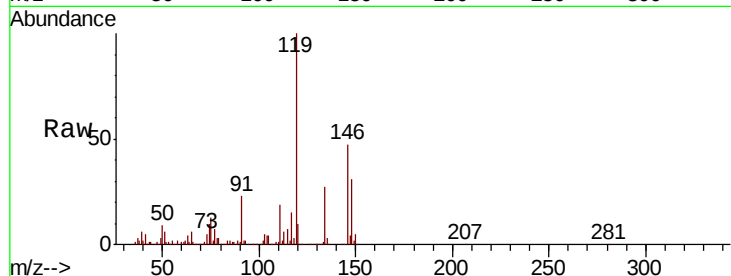




#87
 1,3-Dichlorobenzene
 Concen: 19.869 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

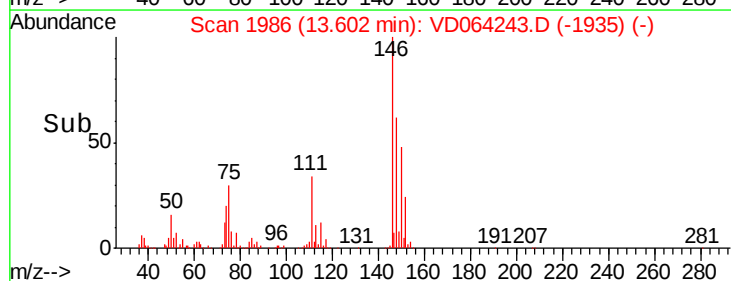
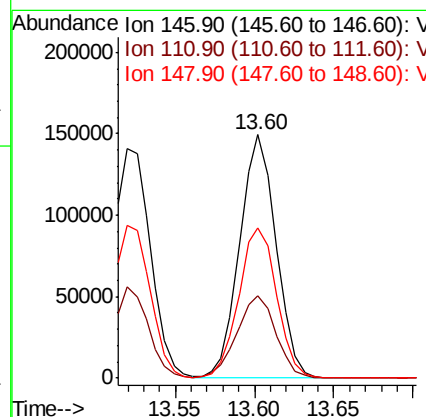
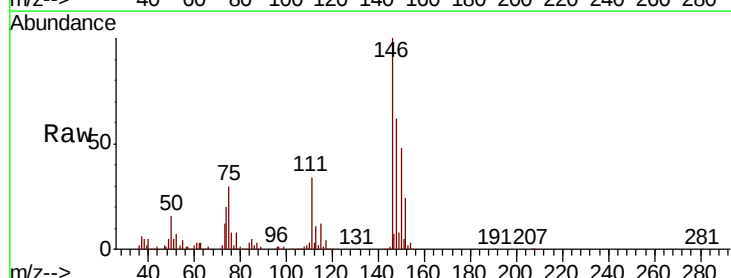
Instrument :
 MSVOA_D
 ClientSampleId :

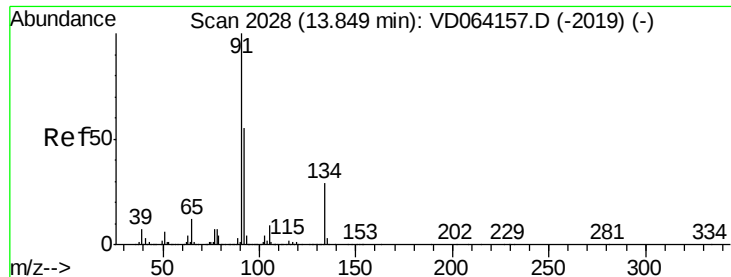
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.9
148	65.2	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.454 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.4
148	64.3	31.9	95.7

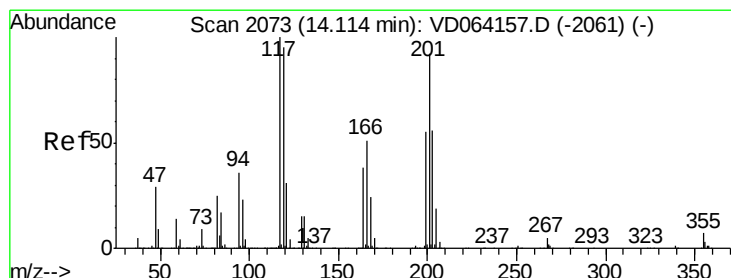
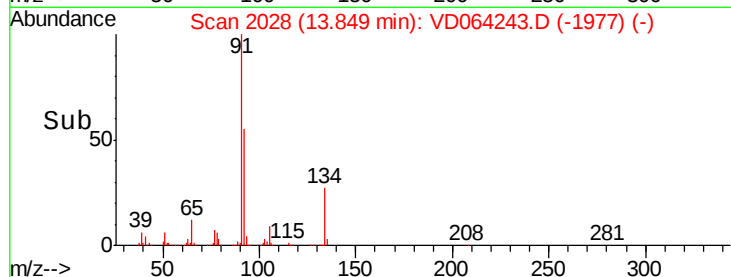
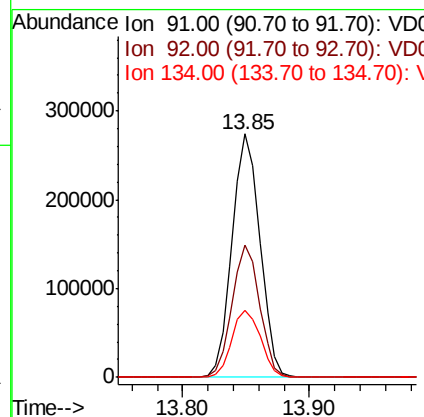
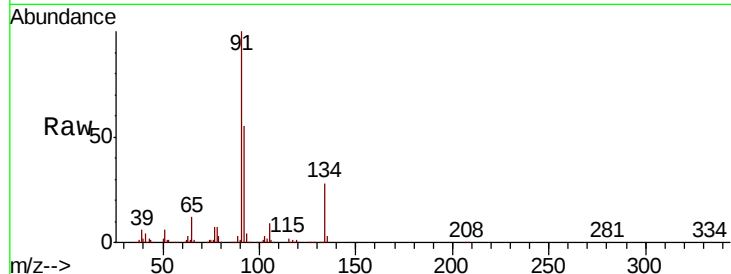




#89
n-Butylbenzene
Concen: 18.733 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

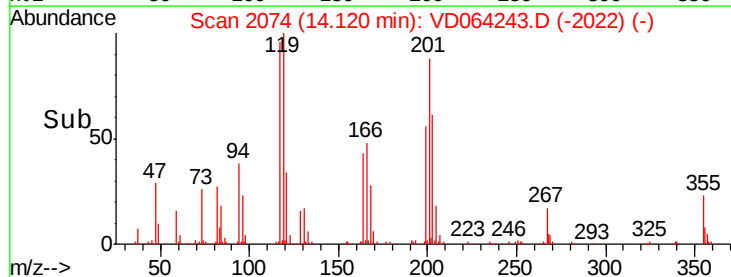
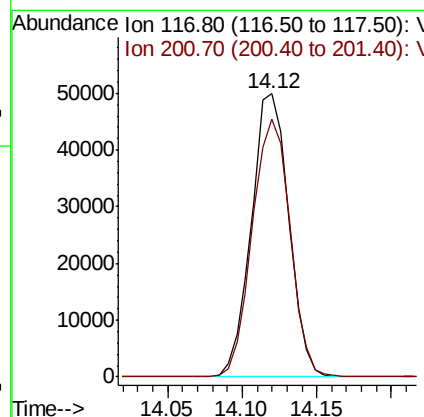
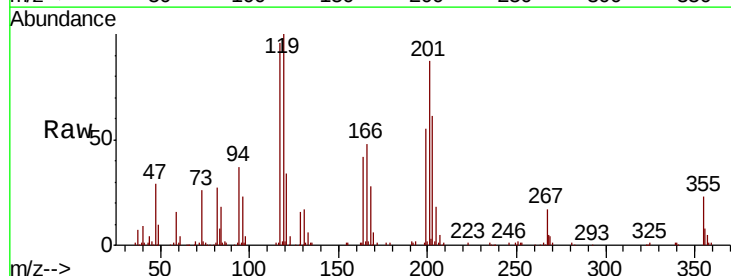
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 415523
Ion Ratio Lower Upper
91 100
92 53.8 27.3 81.8
134 28.6 14.1 42.4



#90
Hexachloroethane
Concen: 19.072 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion: 117 Resp: 86534
Ion Ratio Lower Upper
117 100
201 91.8 45.8 137.4

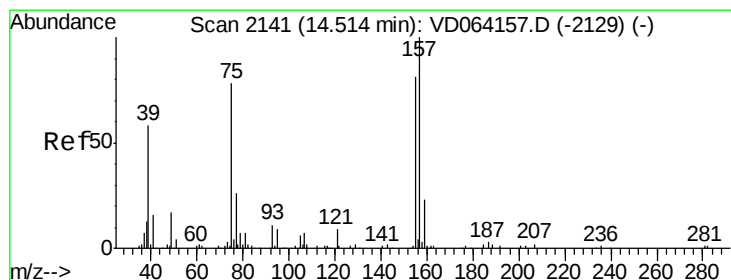
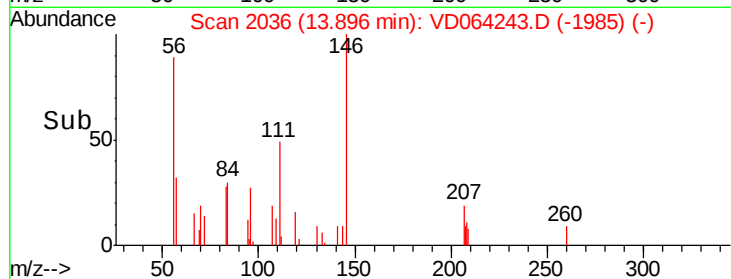
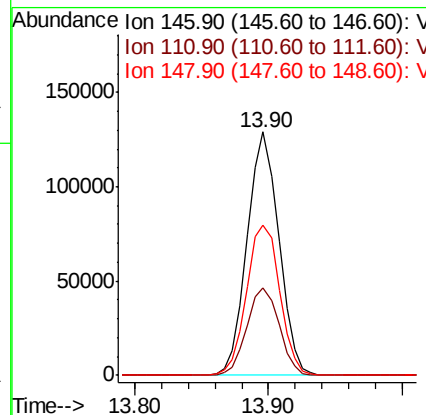
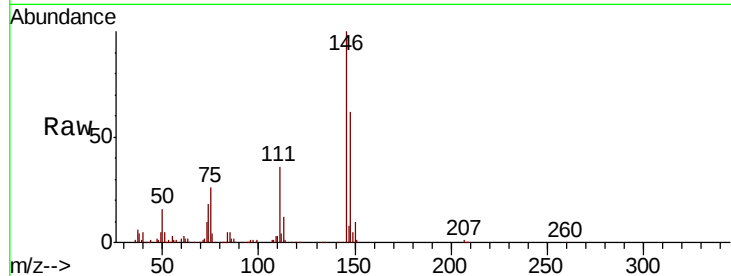




#91
 1,2-Dichlorobenzene
 Concen: 20.907 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

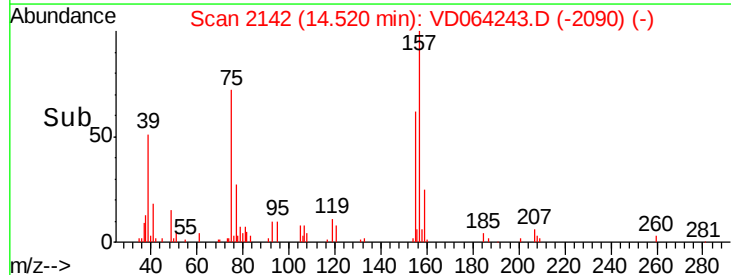
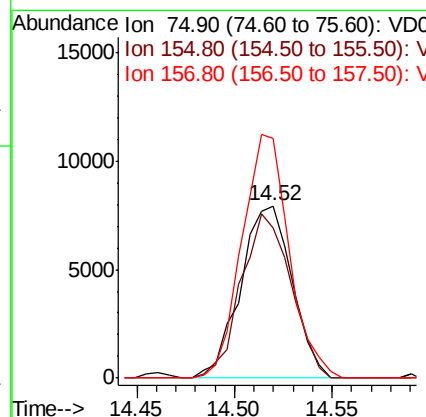
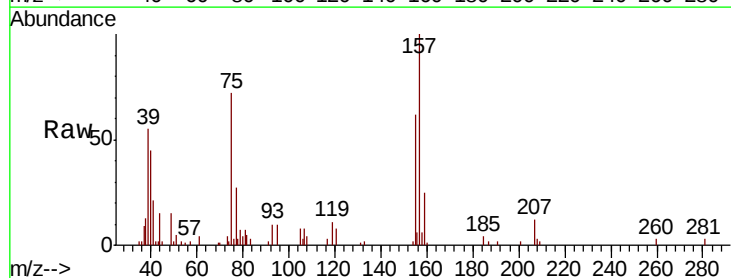
Instrument :
 MSVOA_D
 ClientSampleId :

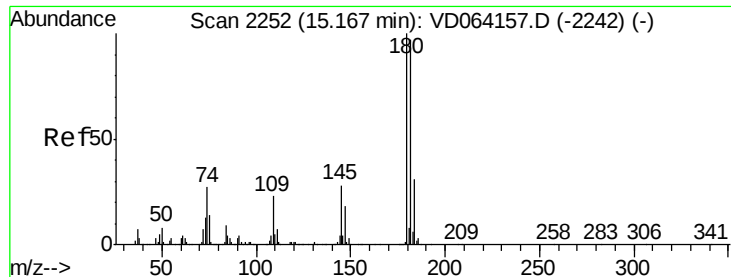
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.7	59.0
148	64.7	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.381 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.8	48.0	144.0
157	129.0	61.5	184.4

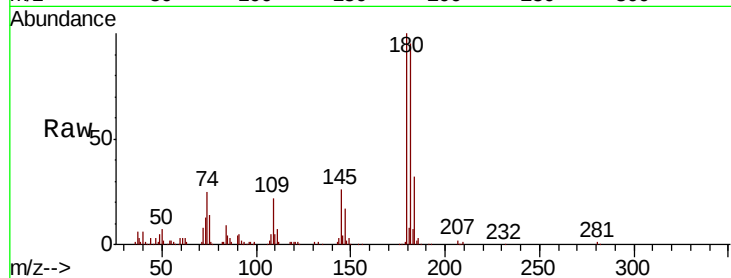




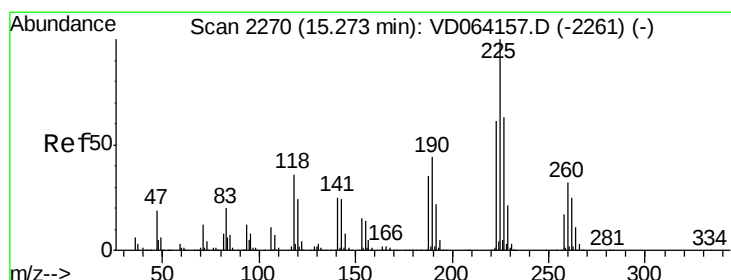
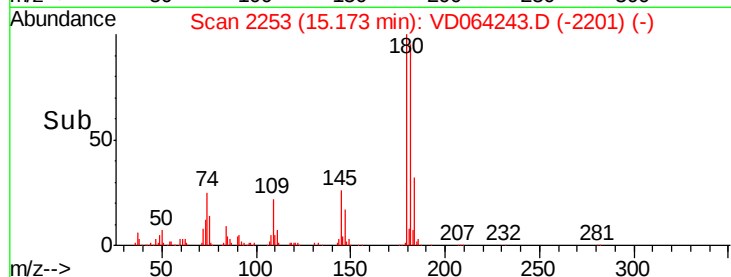
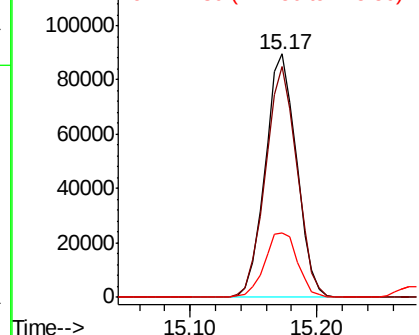
#93
 1,2,4-Trichlorobenzene
 Concen: 19.673 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.5
145	28.0	14.2	42.6

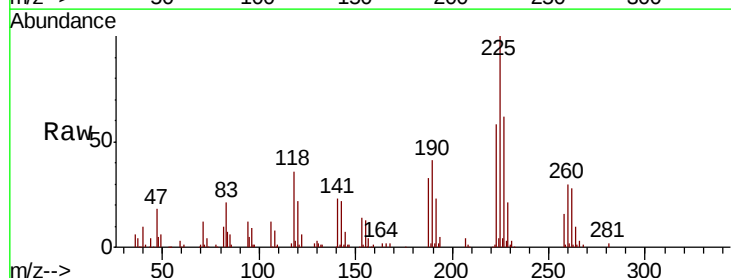


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

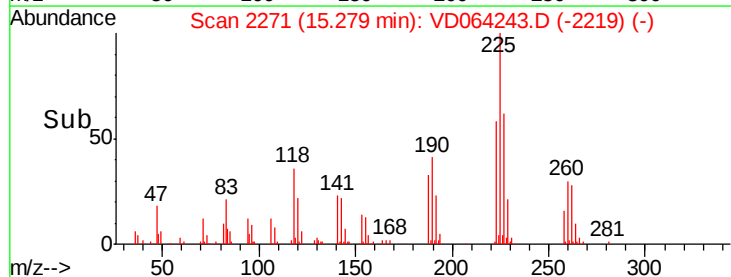
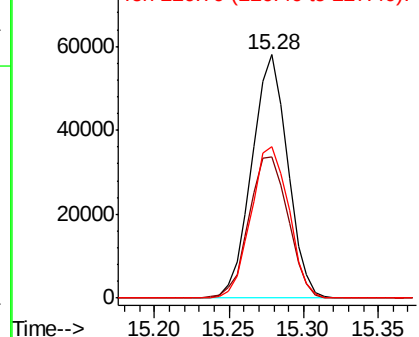


#94
 Hexachlorobutadiene
 Concen: 19.084 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.1	93.3
227	65.3	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

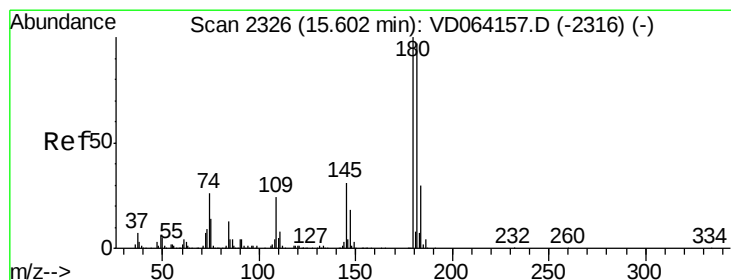
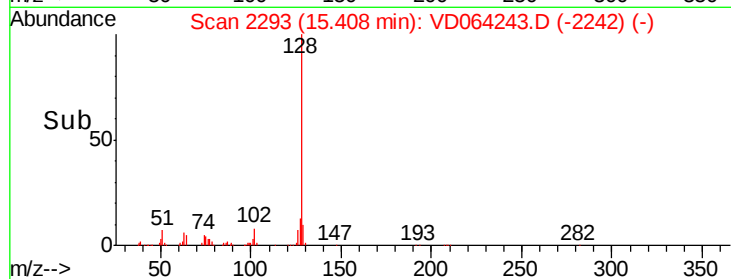
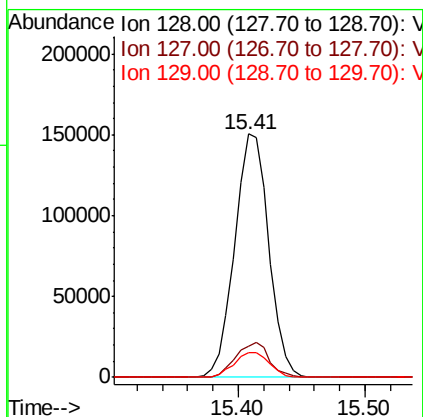
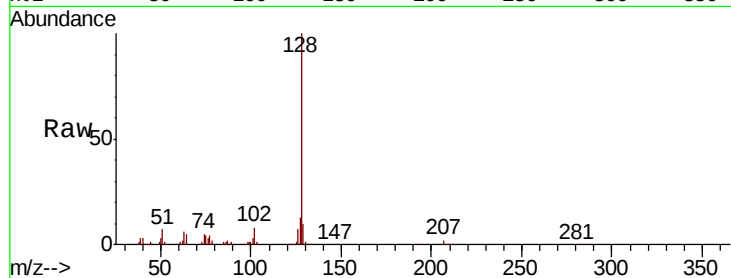




#95
Naphthalene
Concen: 21.827 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.5	15.7
129	10.5	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.653 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	48.3	144.9
145	30.7	15.3	45.8

