

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064278.D
 Acq On : 18 Nov 2019 21:44
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 19 04:40:47 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	527953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	790935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	696101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	346104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	247939	57.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.20%	
35) Dibromofluoromethane	7.92	113	251211	55.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.66%	
50) Toluene-d8	10.34	98	904469	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
62) 4-Bromofluorobenzene	12.64	95	306275	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	206207	47.093	ug/l	99
3) Chloromethane	2.21	50	258413	55.020	ug/l	97
4) Vinyl Chloride	2.35	62	299776	59.687	ug/l	100
5) Bromomethane	2.77	94	216821	68.366	ug/l	95
6) Chloroethane	2.92	64	213118	66.407	ug/l	99
7) Trichlorofluoromethane	3.27	101	515792	63.342	ug/l	99
8) Diethyl Ether	3.71	74	132345	59.109	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	231493	49.739	ug/l	97
10) Methyl Iodide	4.29	142	276432	51.948	ug/l	100
11) Tert butyl alcohol	5.26	59	87903	289.844	ug/l	97
12) 1,1-Dichloroethene	4.06	96	229415	51.714	ug/l	97
13) Acrolein	3.92	56	78037	304.161	ug/l	98
14) Allyl chloride	4.71	41	391310	49.888	ug/l	95
15) Acrylonitrile	5.43	53	286458	300.109	ug/l	99
16) Acetone	4.17	43	211649	205.755	ug/l	98
17) Carbon Disulfide	4.40	76	683632	49.483	ug/l	100
18) Methyl Acetate	4.72	43	166557	57.972	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	616479	58.210	ug/l	96
20) Methylene Chloride	4.97	84	271365	52.225	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	271076	53.933	ug/l	95
22) Diisopropyl ether	6.37	45	802749	55.159	ug/l	100
23) Vinyl Acetate	6.31	43	2357416	290.593	ug/l	98
24) 1,1-Dichloroethane	6.27	63	462330	54.713	ug/l	99
25) 2-Butanone	7.23	43	357892	269.303	ug/l	98
26) 2,2-Dichloropropane	7.21	77	385254	46.489	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	304350	56.466	ug/l	96
28) Bromochloromethane	7.55	49	193610	65.811	ug/l	99
29) Tetrahydrofuran	7.57	42	237229	297.107	ug/l	97
30) Chloroform	7.71	83	500693	57.926	ug/l	96
31) Cyclohexane	7.98	56	389422	45.695	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	428880	51.819	ug/l	100
36) 1,1-Dichloropropene	8.11	75	358000	49.043	ug/l	100
37) Ethyl Acetate	7.30	43	167684	54.490	ug/l	98
38) Carbon Tetrachloride	8.10	117	390771	50.030	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	433248	46.905	ug/l	96
40) Benzene	8.36	78	1041218	52.191	ug/l	97
41) Methacrylonitrile	7.53	41	95694	49.475	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	319688	53.354	ug/l	100
43) Isopropyl Acetate	8.46	43	335196	52.865	ug/l	98
44) Trichloroethene	9.11	130	314543	52.532	ug/l	98
45) 1,2-Dichloropropane	9.39	63	260488	53.645	ug/l	96
46) Dibromomethane	9.48	93	148772	57.229	ug/l	99
47) Bromodichloromethane	9.67	83	388023	55.414	ug/l	99
48) Methyl methacrylate	9.46	41	154621	49.871	ug/l	90
49) 1,4-Dioxane	9.47	88	37006	1185.295	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	836291	275.041	ug/l	99
52) Toluene	10.41	92	692382	52.779	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	366108	52.188	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	432266	52.805	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	203502	57.706	ug/l	98
56) Ethyl methacrylate	10.67	69	273217	55.384	ug/l	97
57) 1,3-Dichloropropane	10.95	76	347762	56.544	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	552073	276.272	ug/l	98
59) 2-Hexanone	10.99	43	567238	262.219	ug/l	98
60) Dibromochloromethane	11.14	129	279907	56.882	ug/l	99
61) 1,2-Dibromoethane	11.25	107	205613	58.212	ug/l	99
64) Tetrachloroethene	10.88	164	263624	49.242	ug/l	97
65) Chlorobenzene	11.67	112	744819	52.618	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	290197	53.916	ug/l	99
67) Ethyl Benzene	11.75	91	1318192	51.483	ug/l	98
68) m/p-Xylenes	11.86	106	1007385	102.645	ug/l	99
69) o-Xylene	12.18	106	471849	51.840	ug/l	99
70) Styrene	12.20	104	830010	52.240	ug/l	99
71) Bromoform	12.37	173	178400	58.241	ug/l	99
73) Isopropylbenzene	12.48	105	1267783	49.905	ug/l	100
74) N-amyl acetate	12.30	43	302401	50.408	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	214010	55.908	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	279490	100.256	ug/l #	100
77) Bromobenzene	12.77	156	330892	53.614	ug/l	97
78) n-propylbenzene	12.83	91	1447161	49.860	ug/l	99
79) 2-Chlorotoluene	12.91	91	809725	49.414	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	1044091	50.018	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	69827	49.755	ug/l	97
82) 4-Chlorotoluene	13.01	91	851493	49.820	ug/l	98
83) tert-Butylbenzene	13.23	119	901149	48.958	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1046082	50.760	ug/l	99
85) sec-Butylbenzene	13.41	105	1215584	49.171	ug/l	100
86) p-Isopropyltoluene	13.53	119	1147607	48.828	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	604838	52.794	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	591134	52.868	ug/l	99
89) n-Butylbenzene	13.85	91	1024571	48.252	ug/l	99
90) Hexachloroethane	14.12	117	221634	51.026	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	524260	54.065	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	34812	50.865	ug/l	96

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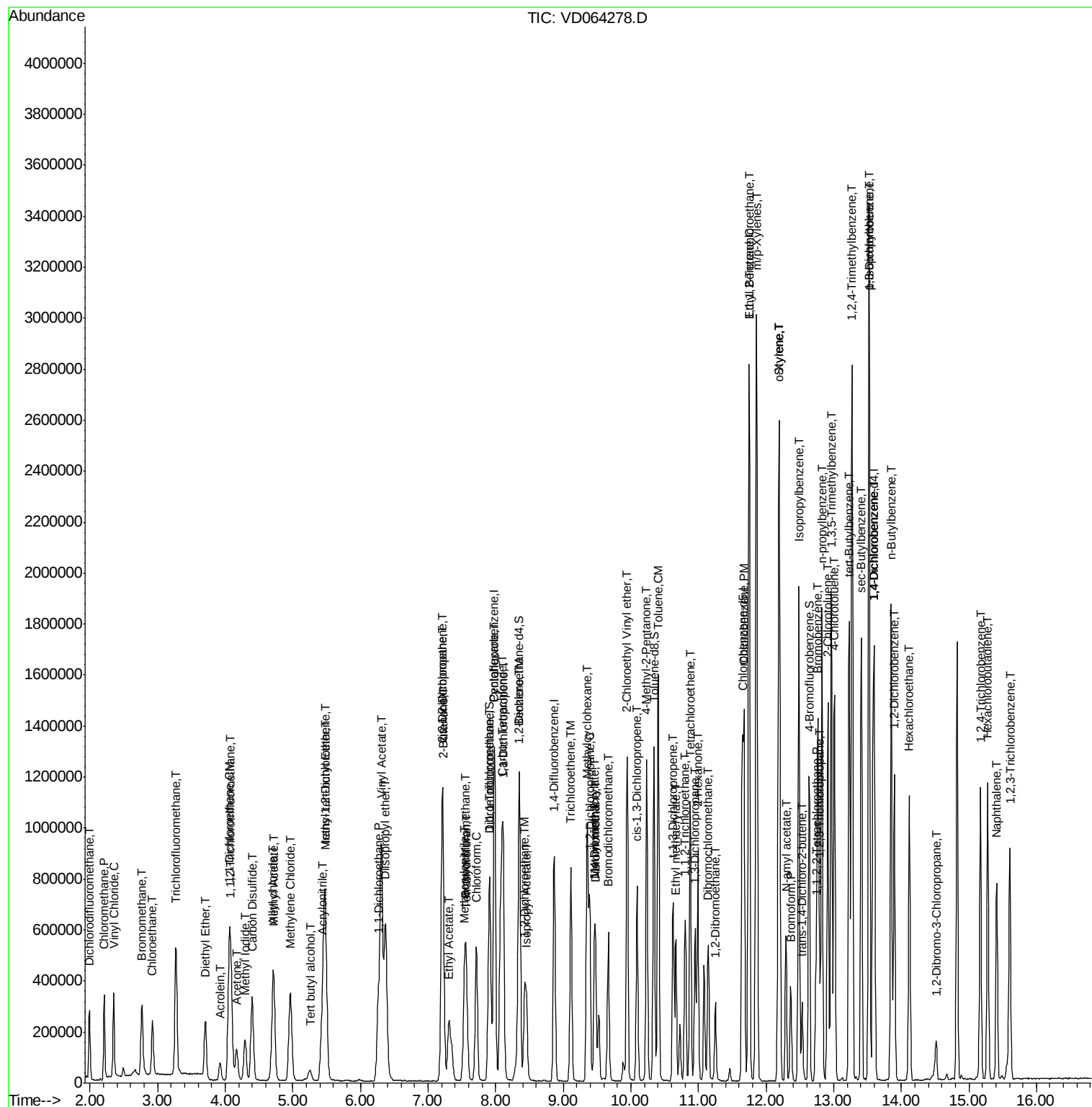
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	399674	53.430	ug/l	99
94) Hexachlorobutadiene	15.28	225	243667	50.433	ug/l	100
95) Naphthalene	15.41	128	682029	55.622	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	346704	54.526	ug/l	99

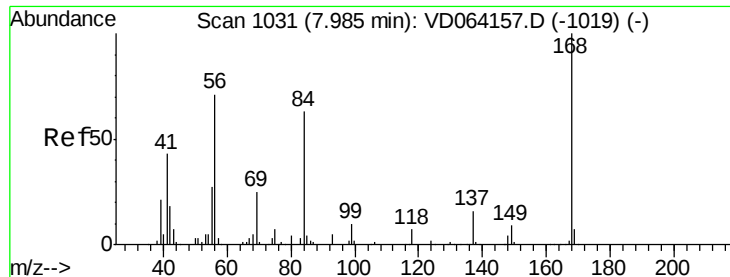
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

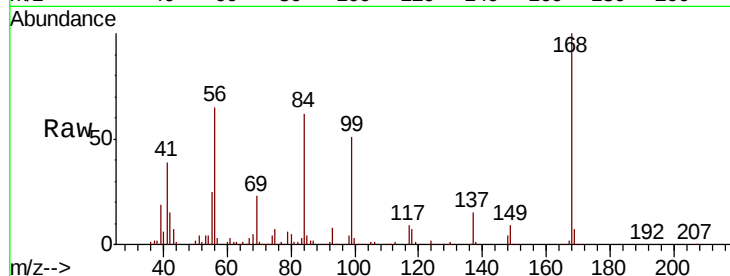
ClientSampleId :

Tot Ion:168 Resp: 527953

Ion Ratio Lower Upper

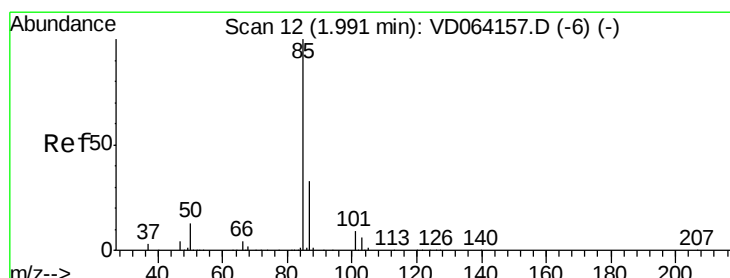
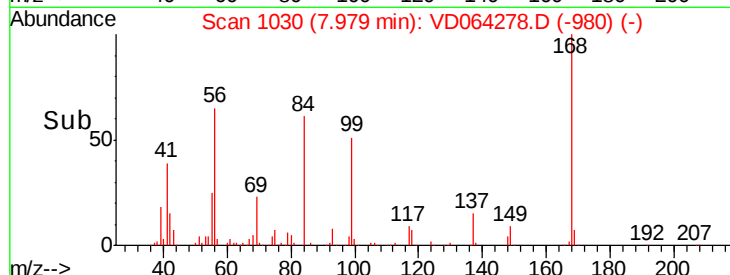
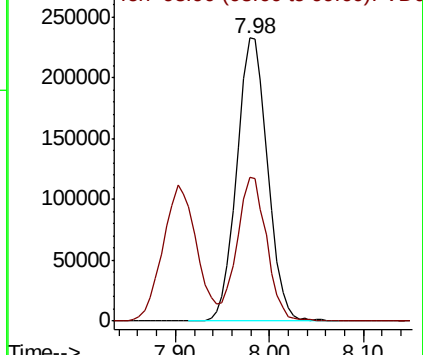
168 100

99 50.7 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.093 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064278.D

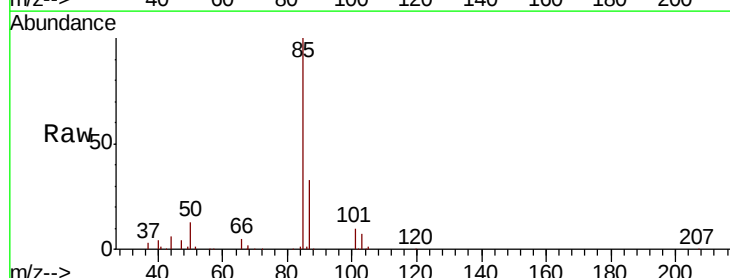
Acq: 18 Nov 2019 21:44

Tgt Ion: 85 Resp: 206207

Ion Ratio Lower Upper

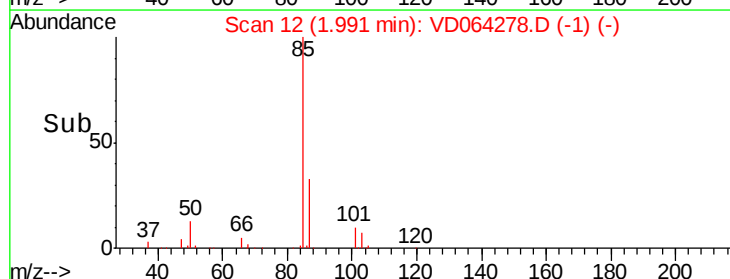
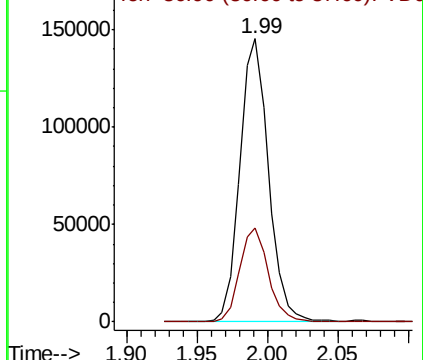
85 100

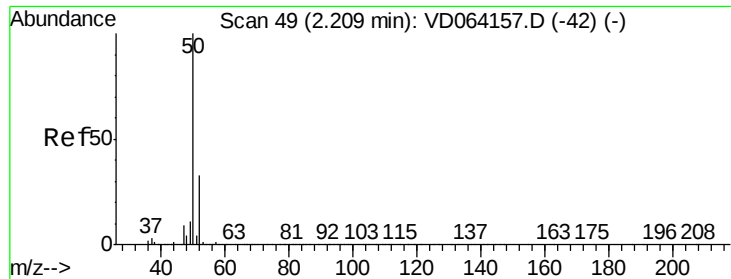
87 33.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 55.020 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

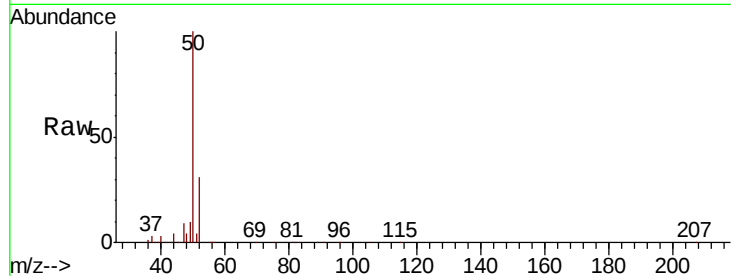
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 258413

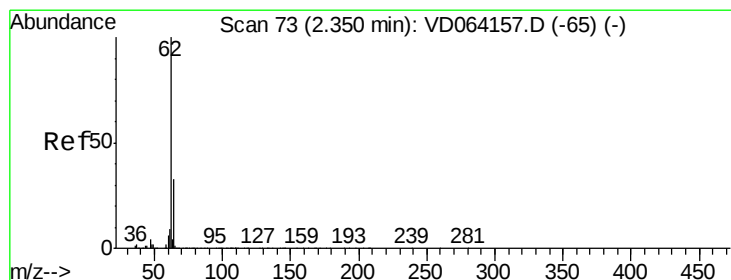
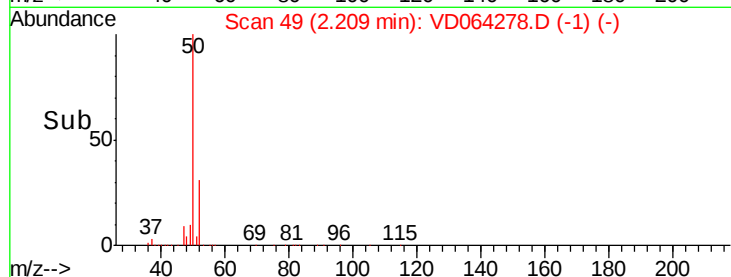
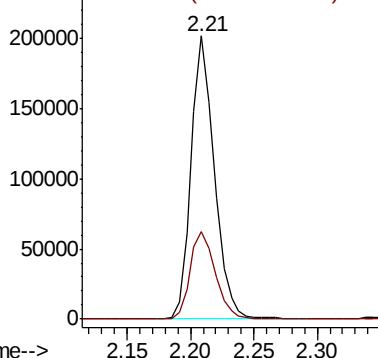
Ion Ratio Lower Upper

50 100

52 31.0 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: 59.687 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064278.D

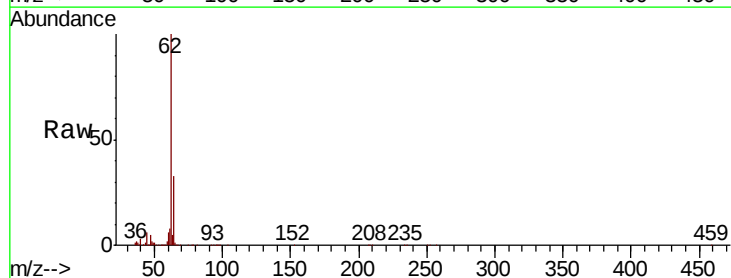
Acq: 18 Nov 2019 21:44

Tgt Ion: 62 Resp: 299776

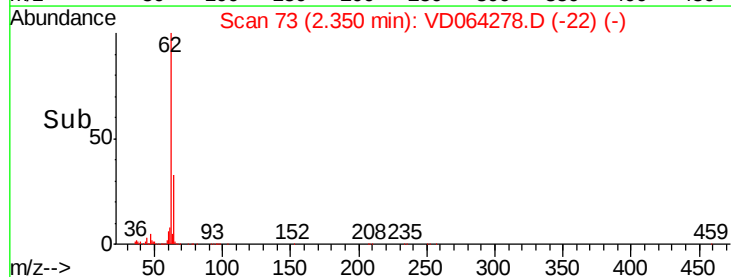
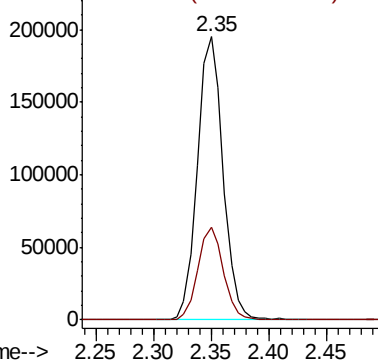
Ion Ratio Lower Upper

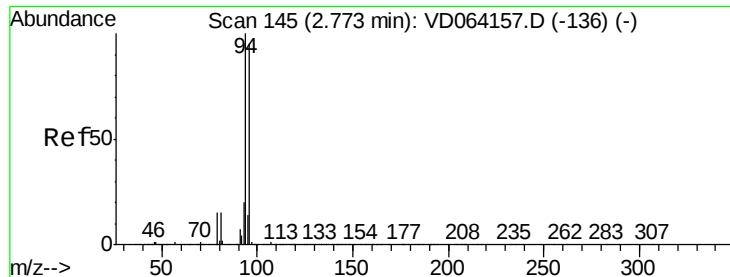
62 100

64 32.8 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: 68.366 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

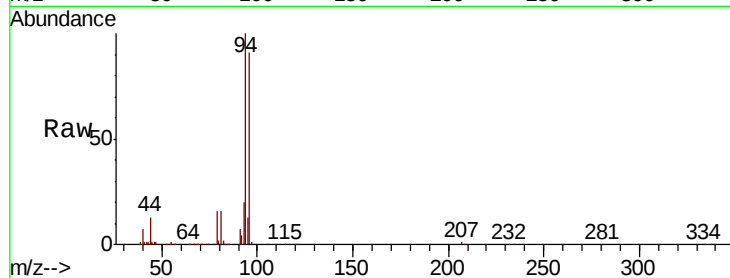
ClientSampleId :

Tot Ion: 94 Resp: 216821

Ion Ratio Lower Upper

94 100

96 90.7 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

100000

80000

60000

40000

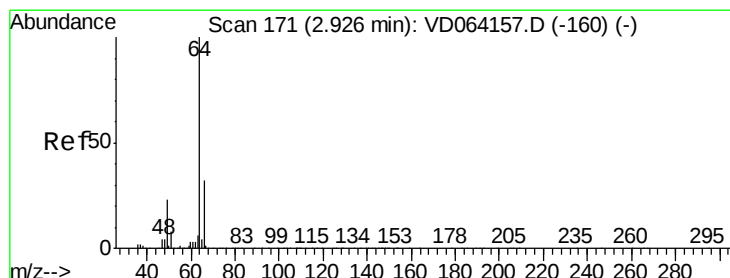
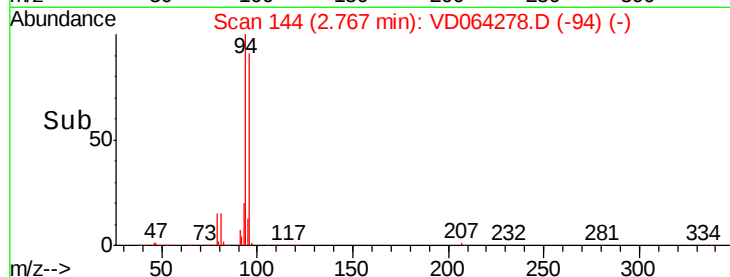
20000

0

Time-->

2.70

2.80



#6

Chloroethane

Concen: 66.407 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064278.D

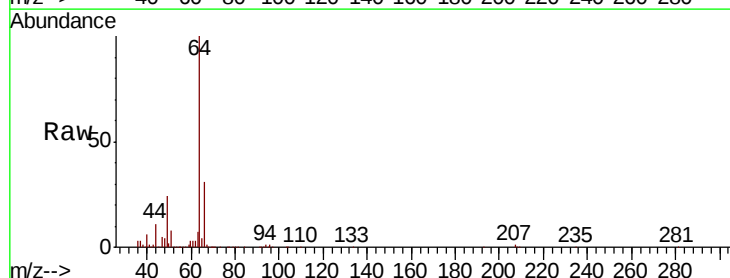
Acq: 18 Nov 2019 21:44

Tgt Ion: 64 Resp: 213118

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

120000

100000

80000

60000

40000

20000

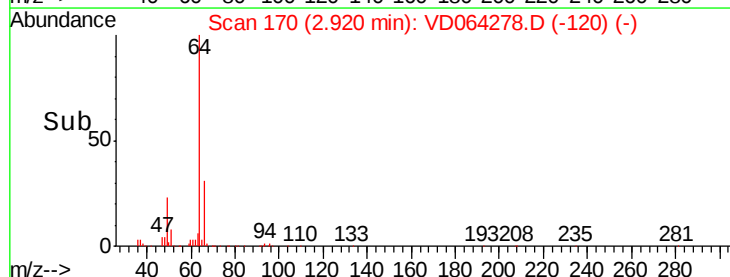
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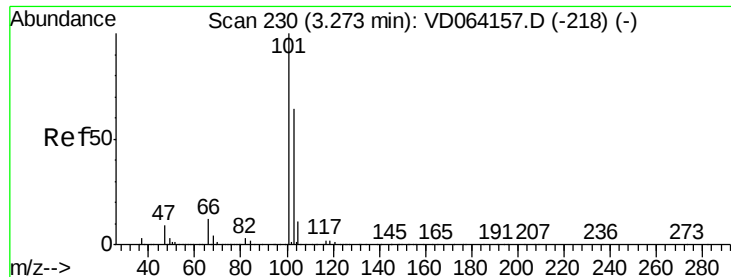
Time-->

2.80

2.90

3.00



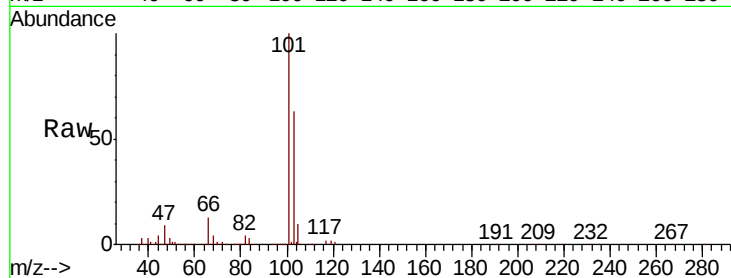


#7

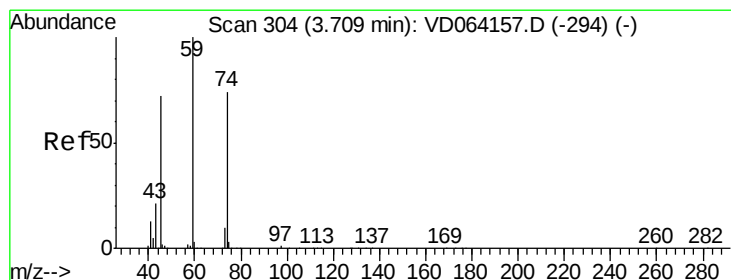
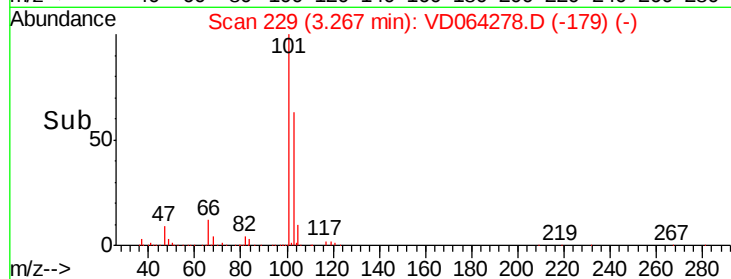
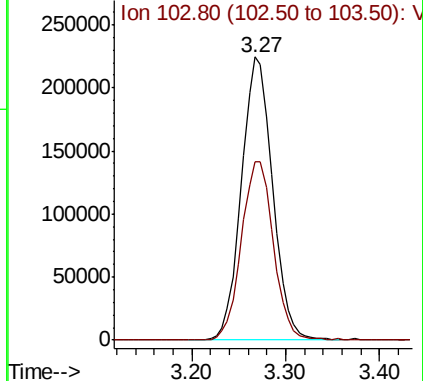
Trichlorofluoromethane
Concen: 63.342 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 515792
Ion Ratio Lower Upper
101 100
103 62.8 50.8 76.2



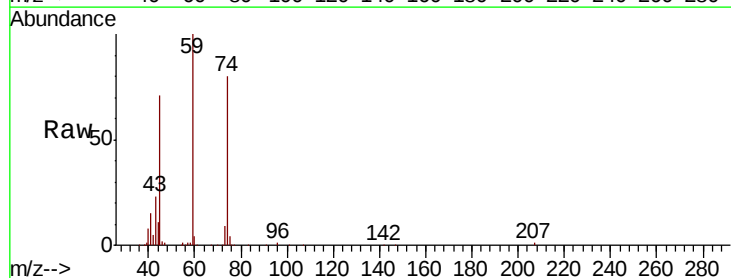
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



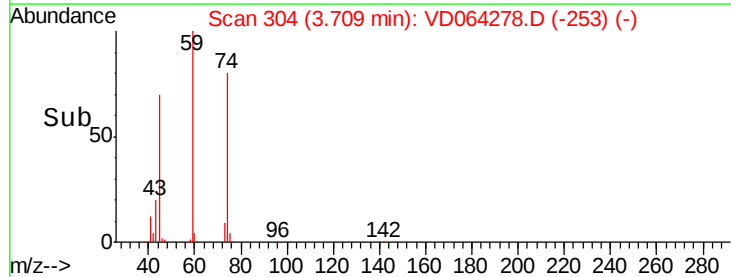
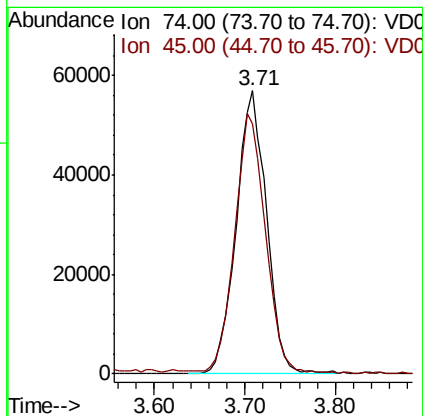
#8

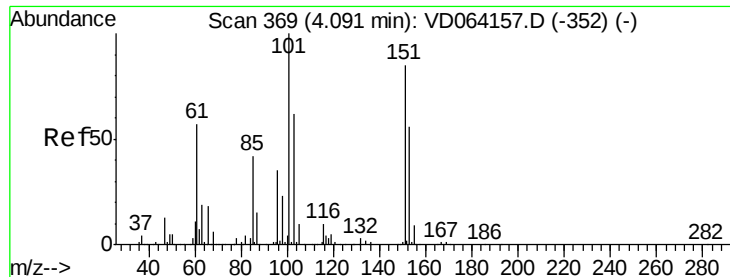
Diethyl Ether
Concen: 59.109 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Tgt Ion: 74 Resp: 132345
Ion Ratio Lower Upper
74 100
45 91.8 47.9 143.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.739 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

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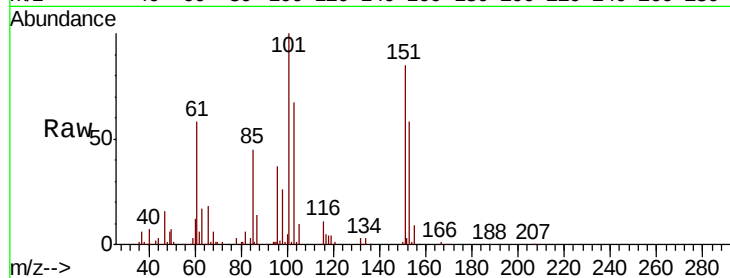
Tot Ion:101 Resp: 231493

Ion Ratio Lower Upper

101 100

85 44.9 34.4 51.6

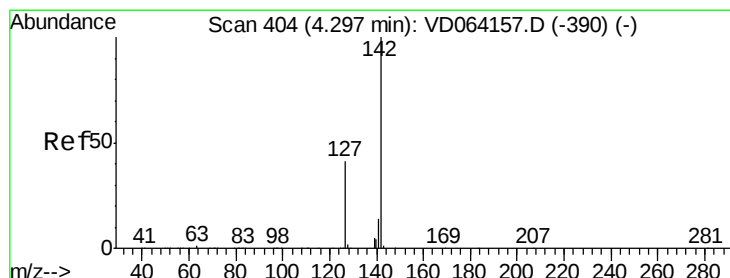
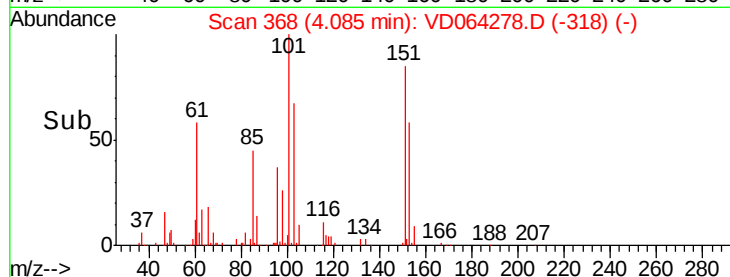
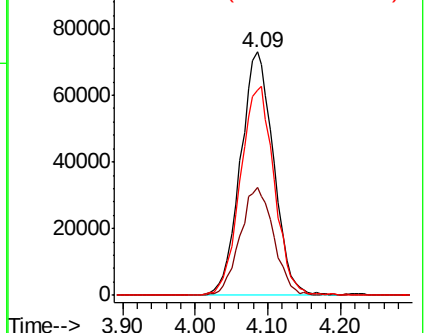
151 87.3 68.1 102.1



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: 51.948 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

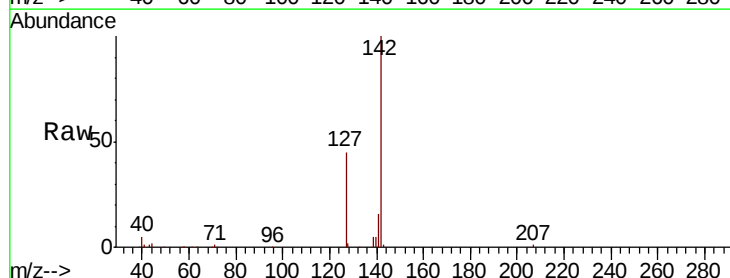
Tgt Ion:142 Resp: 276432

Ion Ratio Lower Upper

142 100

127 43.2 34.4 51.6

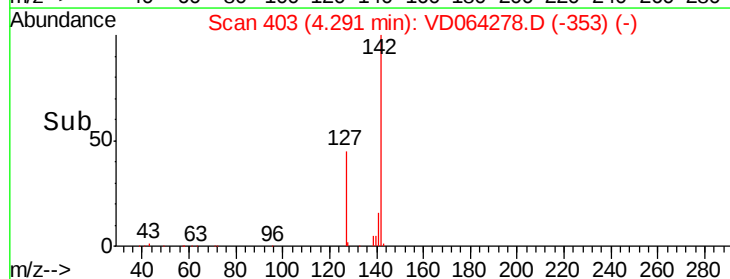
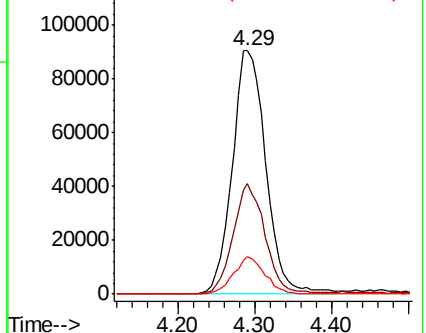
141 14.4 11.2 16.8



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

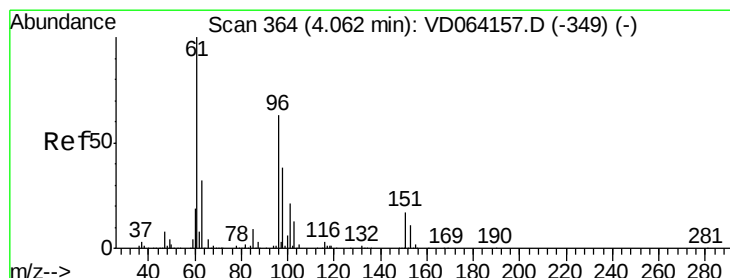
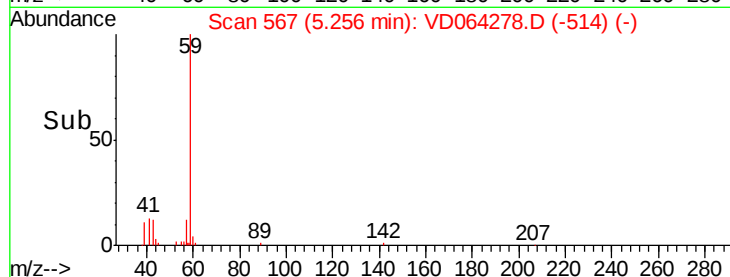
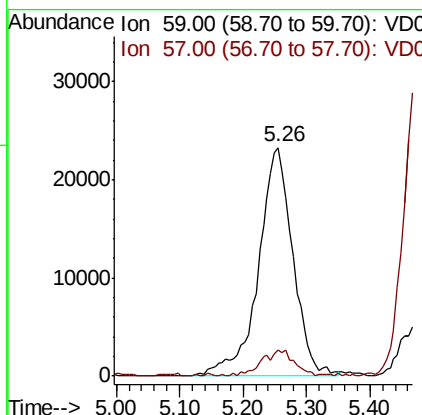
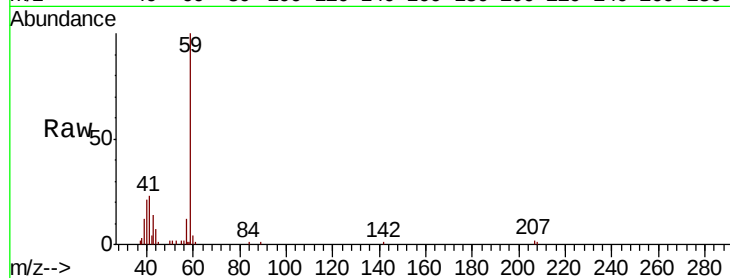




#11
Tert butyl alcohol
Concen: 289.844 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

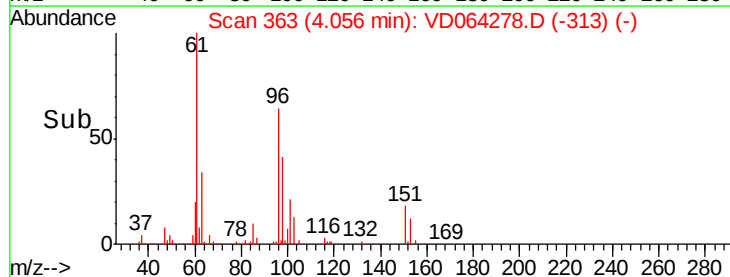
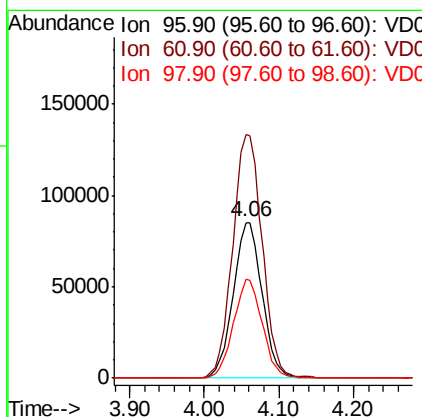
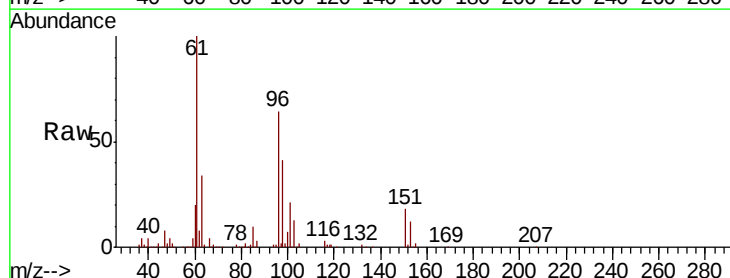
Instrument :
MSVOA_D
ClientSampleId :

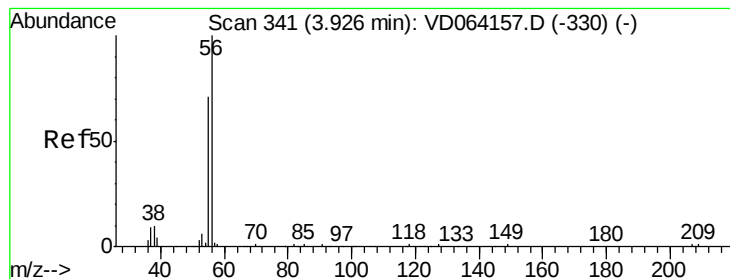
Tot Ion: 59 Resp: 87903
Ion Ratio Lower Upper
59 100
57 10.8 9.4 14.2



#12
1,1-Dichloroethene
Concen: 51.714 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Tgt Ion: 96 Resp: 229415
Ion Ratio Lower Upper
96 100
61 156.1 127.4 191.2
98 63.5 48.1 72.1





#13

Acrolein

Concen: 304.161 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

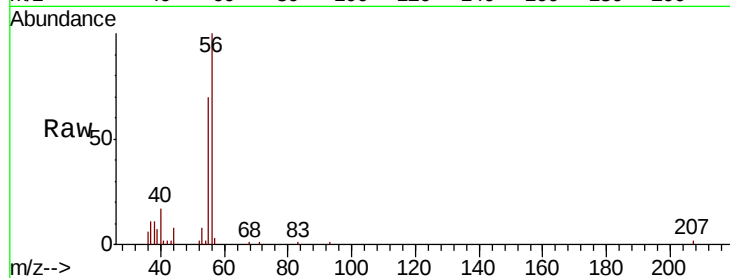
ClientSampleId :

Tot Ion: 56 Resp: 78037

Ion Ratio Lower Upper

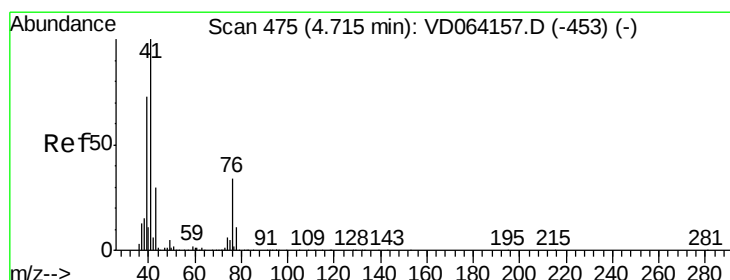
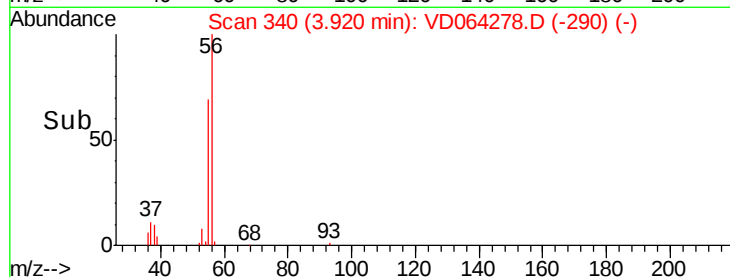
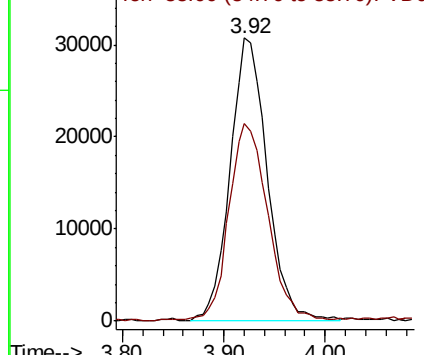
56 100

55 71.6 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.888 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

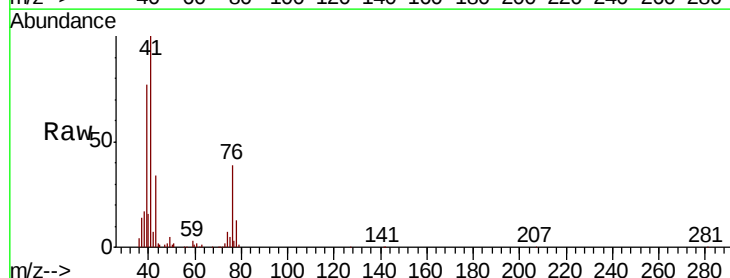
Tgt Ion: 41 Resp: 391310

Ion Ratio Lower Upper

41 100

39 75.3 57.5 86.3

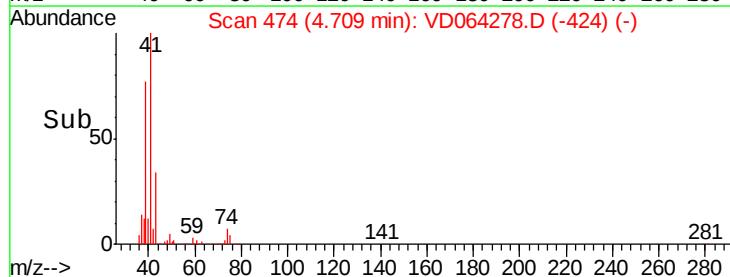
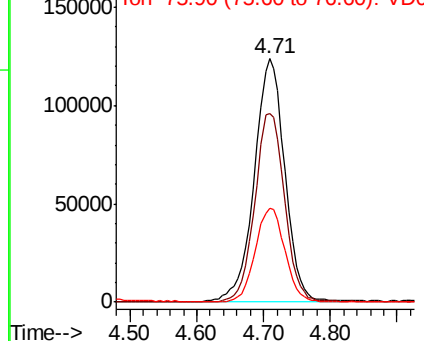
76 37.4 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 300.109 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :
MSVOA_D
ClientSampleId :

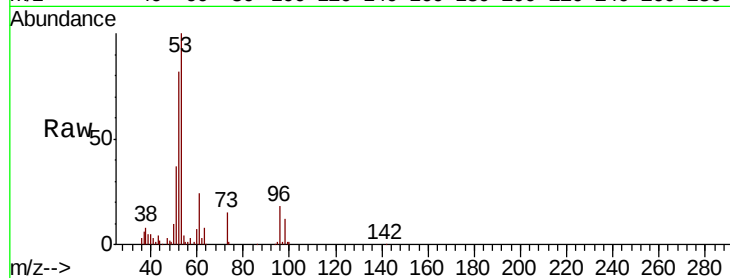
Tot Ion: 53 Resp: 286458

Ion Ratio Lower Upper

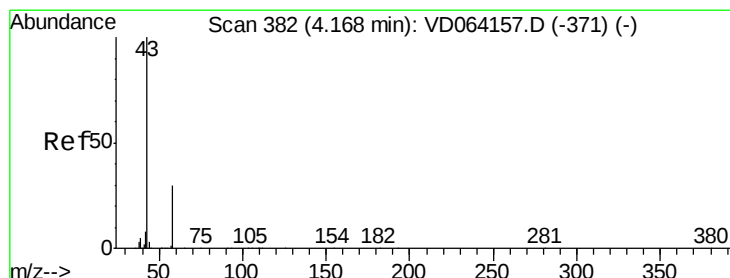
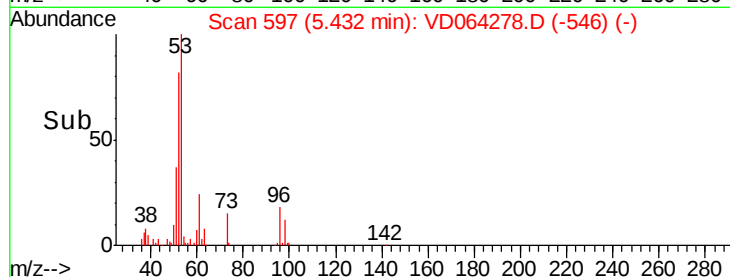
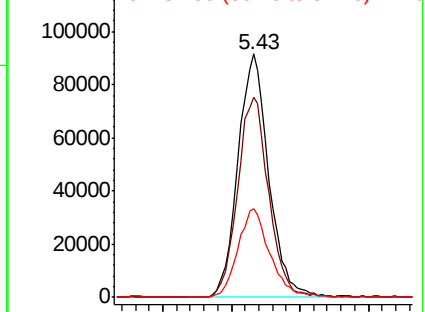
53 100

52 82.8 66.7 100.1

51 37.8 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: 205.755 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064278.D

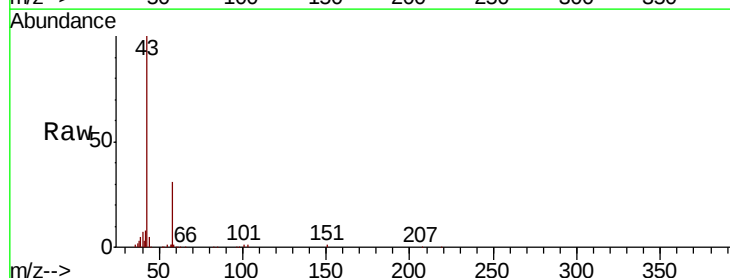
Acq: 18 Nov 2019 21:44

Tgt Ion: 43 Resp: 211649

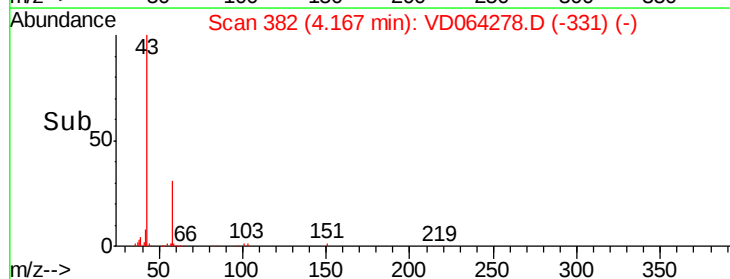
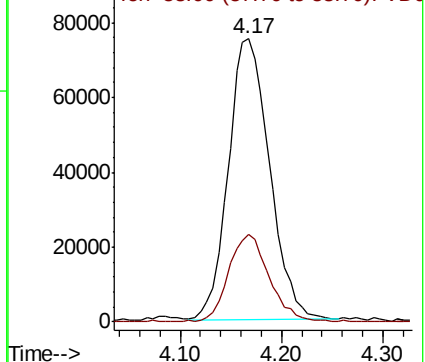
Ion Ratio Lower Upper

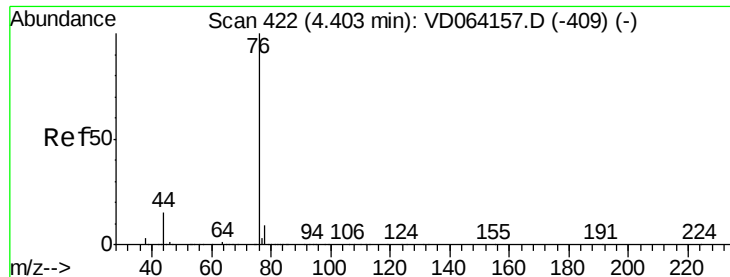
43 100

58 31.0 24.1 36.1



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

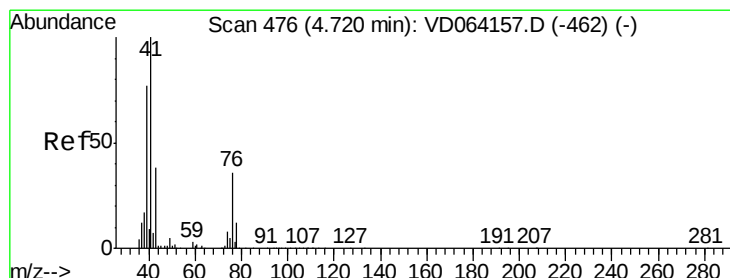
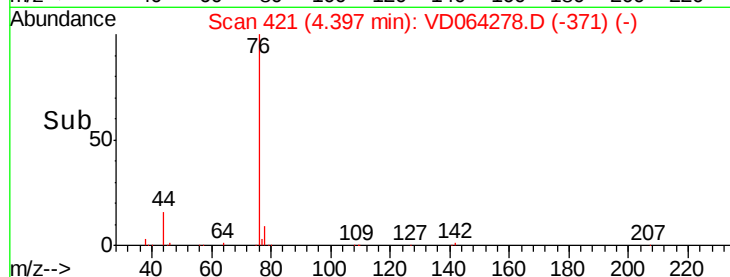
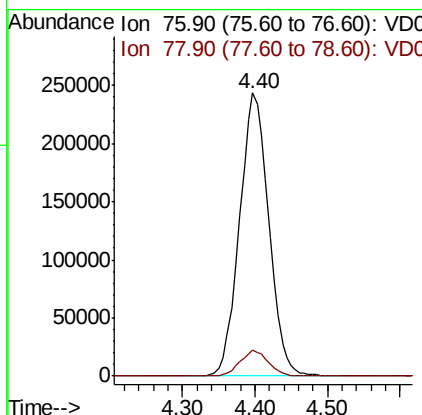
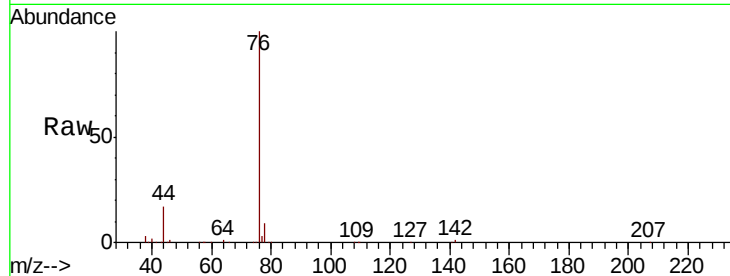




#17
Carbon Disulfide
Concen: 49.483 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

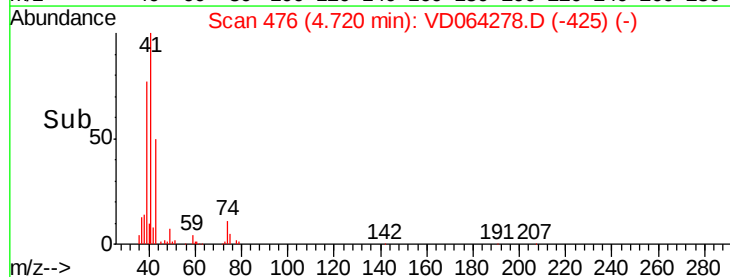
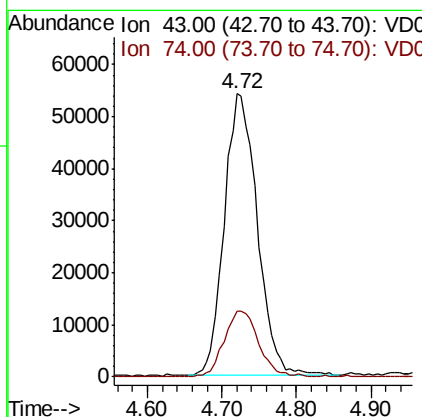
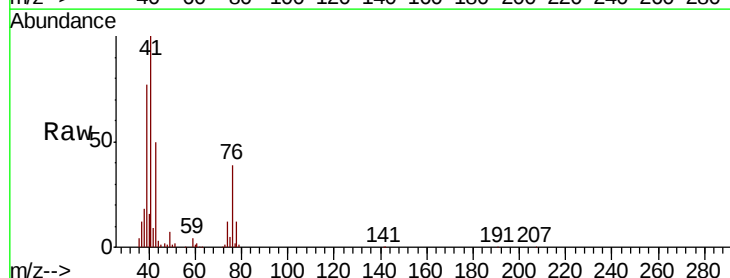
Instrument :
MSVOA_D
ClientSampled :

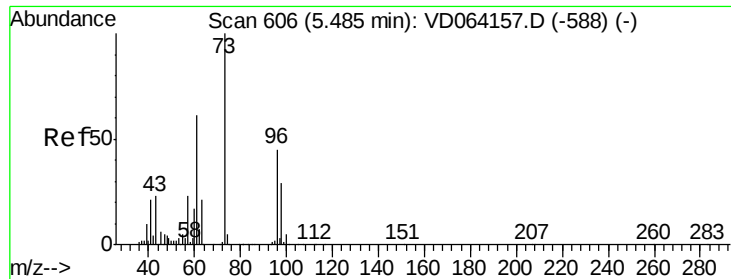
Tot Ion: 76 Resp: 683632
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 57.972 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Tgt Ion: 43 Resp: 166557
Ion Ratio Lower Upper
43 100
74 24.1 18.4 27.6

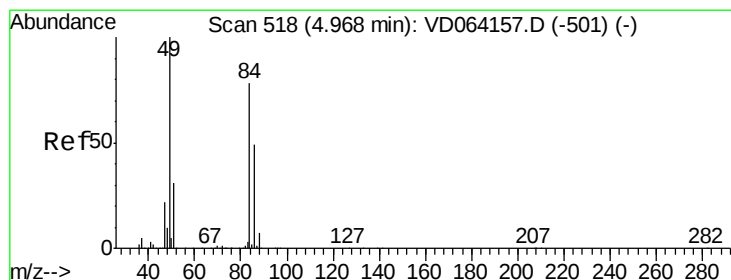
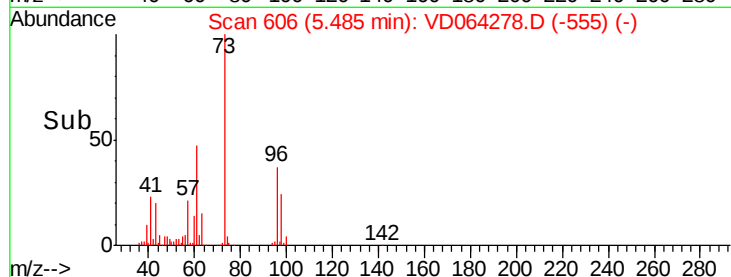
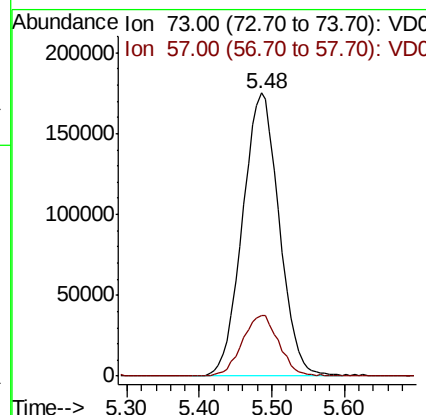
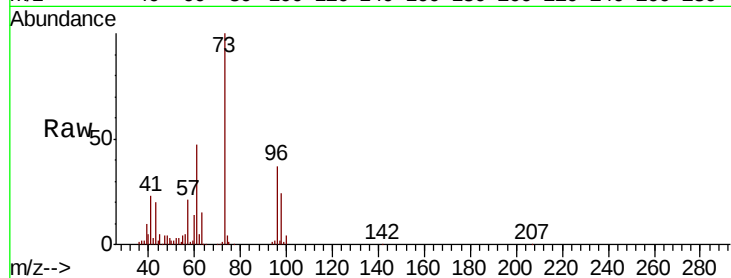




#19
Methvl tert-butvl Ether
Concen: 58.210 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

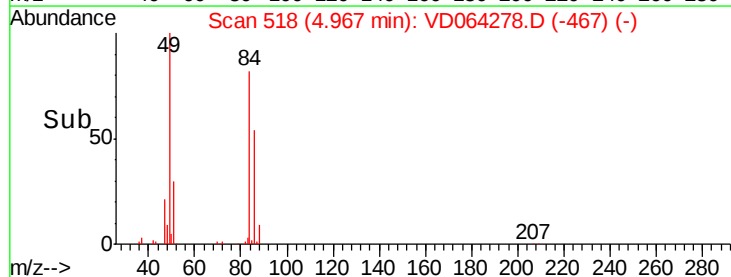
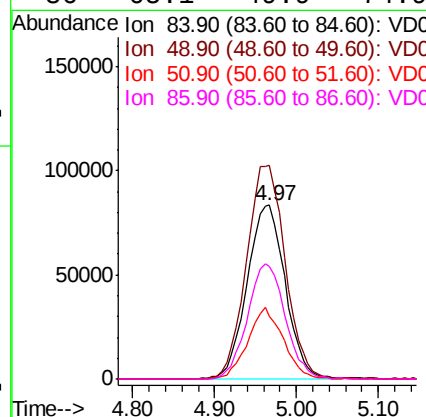
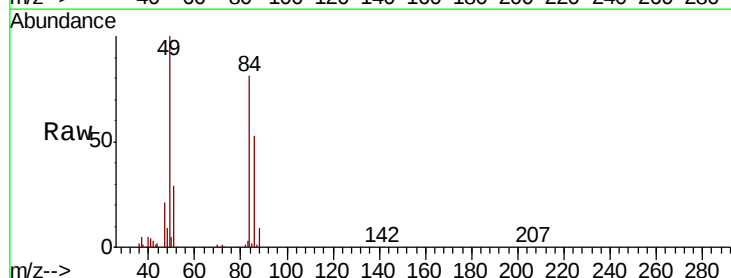
Instrument :
MSVOA_D
ClientSampleId :

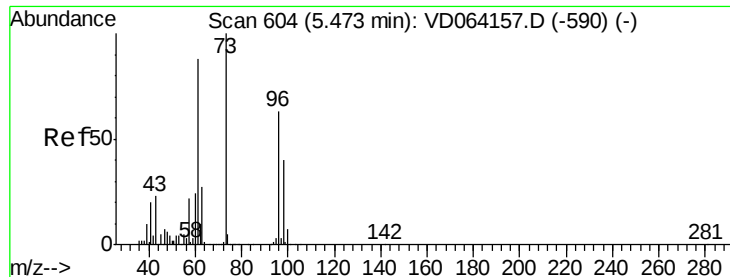
Tot Ion: 73 Resp: 616479
Ion Ratio Lower Upper
73 100
57 21.2 18.4 27.6



#20
Methylene Chloride
Concen: 52.225 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Tgt Ion: 84 Resp: 271365
Ion Ratio Lower Upper
84 100
49 123.1 102.1 153.1
51 36.2 32.2 48.2
86 65.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 53.933 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

ClientSampleId :

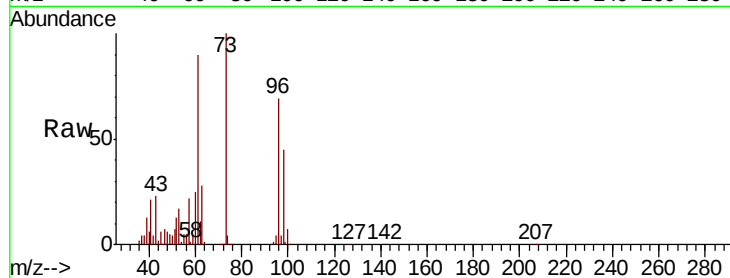
Tot Ion: 96 Resp: 271076

Ion Ratio Lower Upper

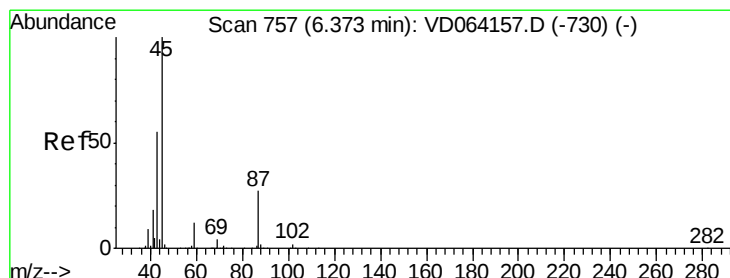
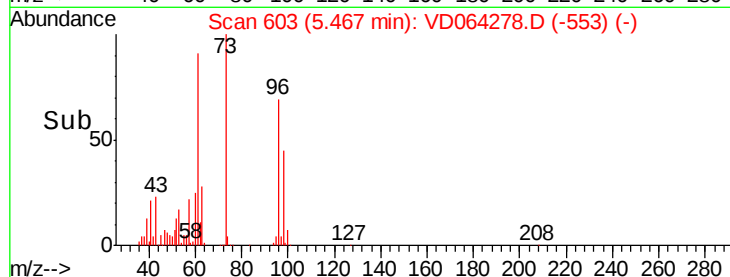
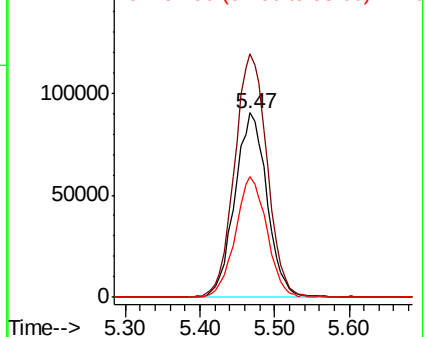
96 100

61 131.9 111.8 167.6

98 65.2 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: 55.159 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Tgt Ion: 45 Resp: 802749

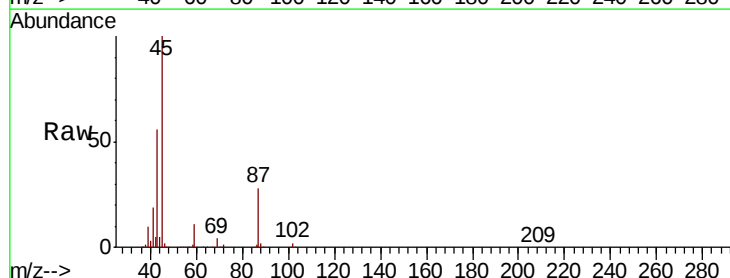
Ion Ratio Lower Upper

45 100

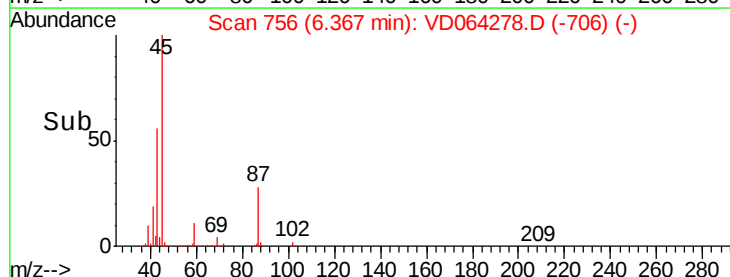
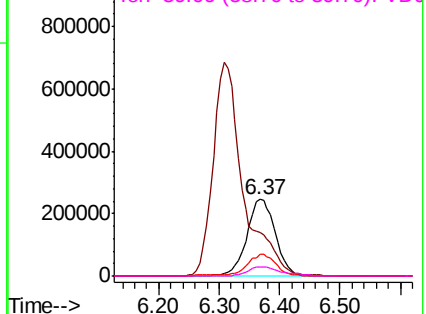
43 55.3 44.4 66.6

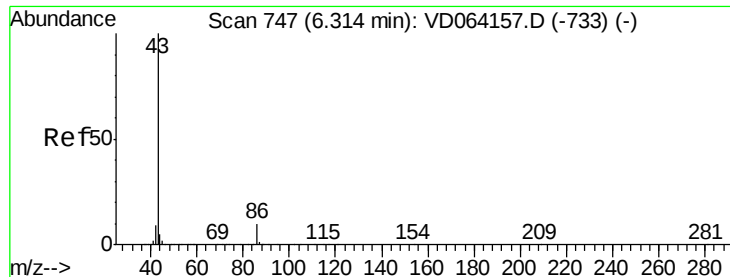
87 27.5 21.9 32.9

59 11.0 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

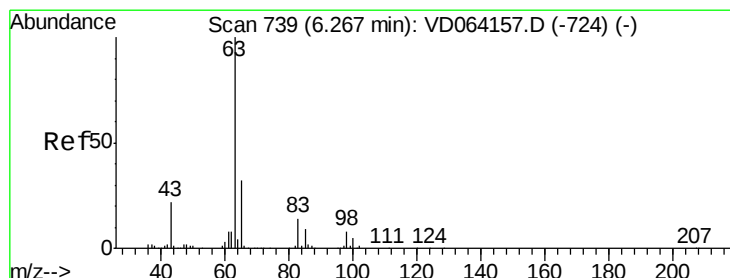
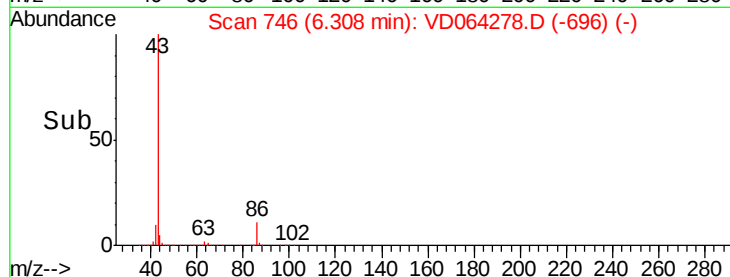
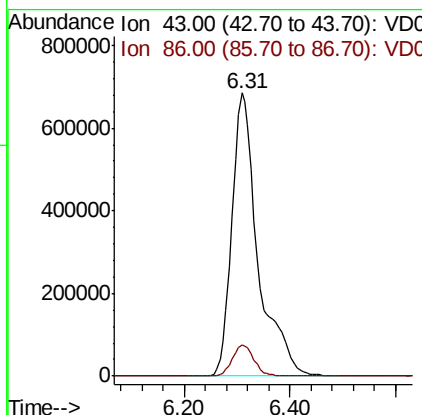
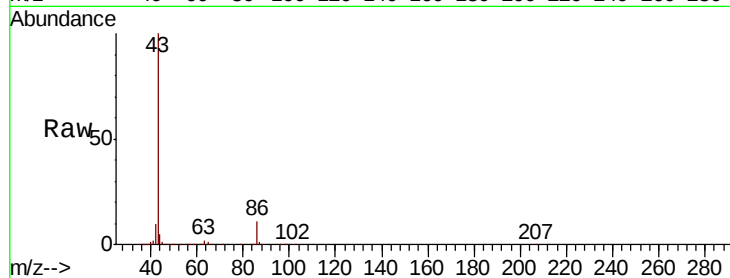




#23
 Vinyl Acetate
 Concen: 290.593 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064278.D
 Acq: 18 Nov 2019 21:44

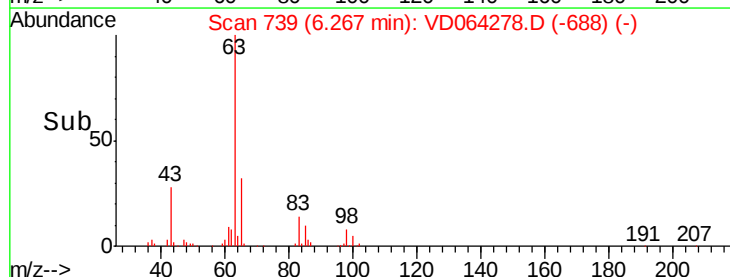
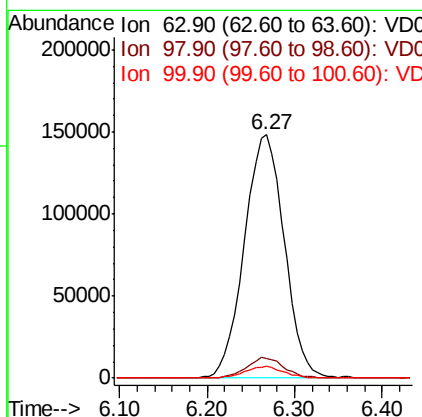
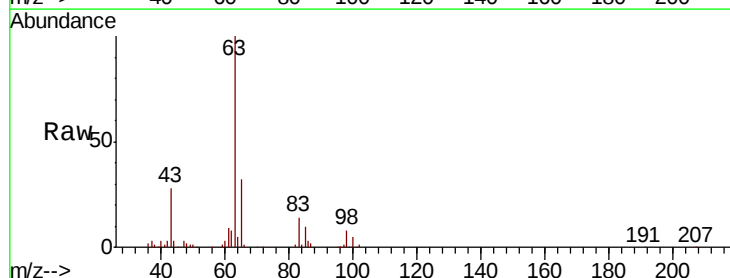
Instrument :
 MSVOA_D
 ClientSampleId :

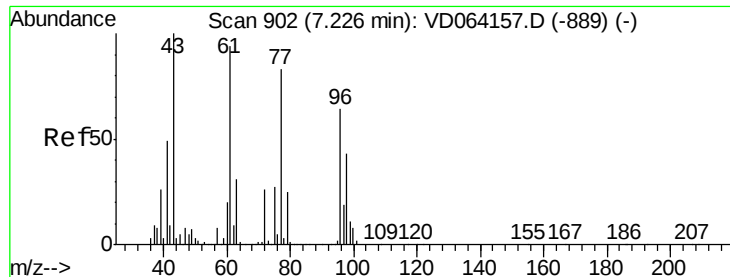
Tot Ion: 43 Resp: 2357416
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 54.713 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD064278.D
 Acq: 18 Nov 2019 21:44

Tgt Ion: 63 Resp: 462330
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.8 11.4
 100 5.0 2.4 7.2





#25

2-Butanone

Concen: 269.303 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

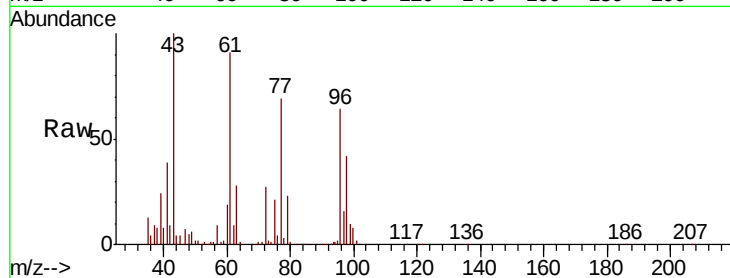
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 357892

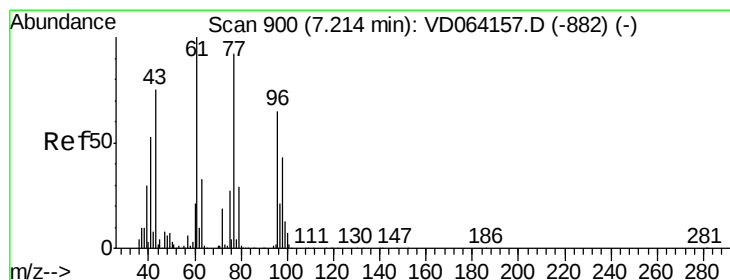
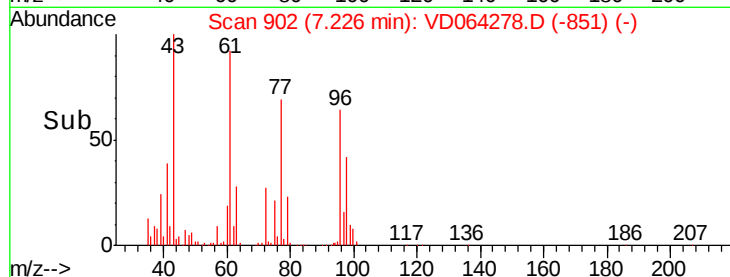
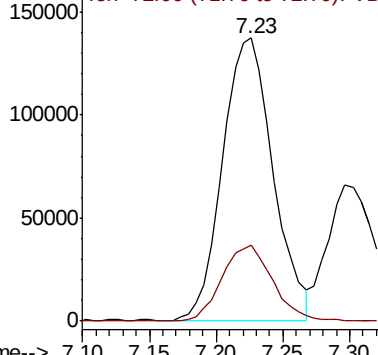
Ion Ratio Lower Upper

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: 46.489 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064278.D

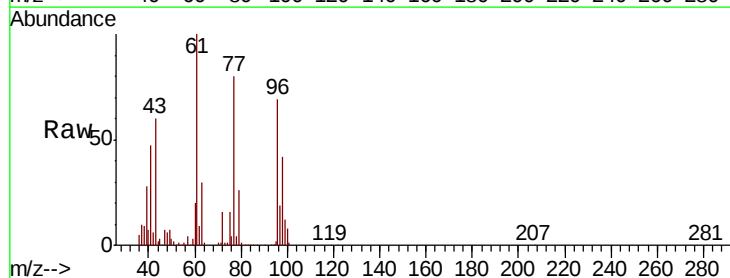
Acq: 18 Nov 2019 21:44

Tgt Ion: 77 Resp: 385254

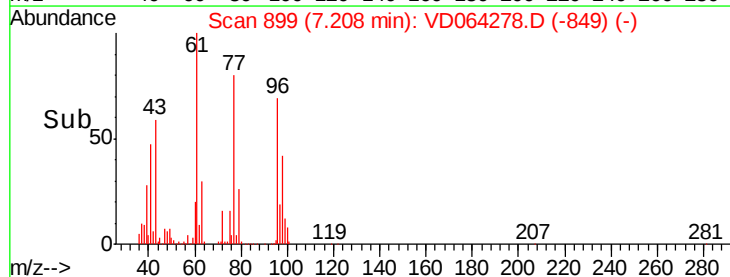
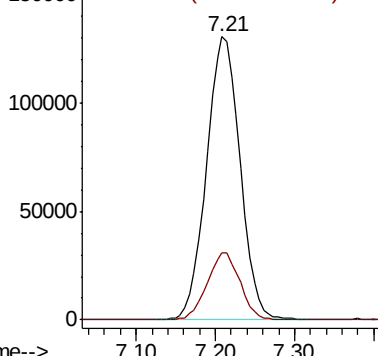
Ion Ratio Lower Upper

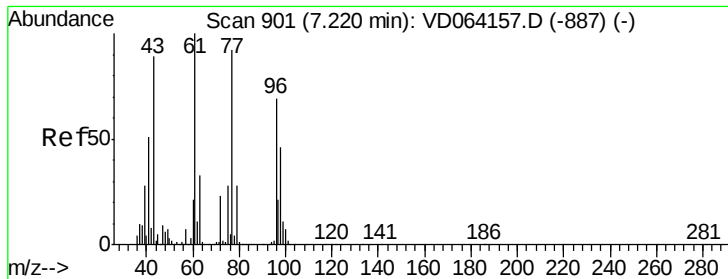
77 100

97 23.1 11.1 33.3



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



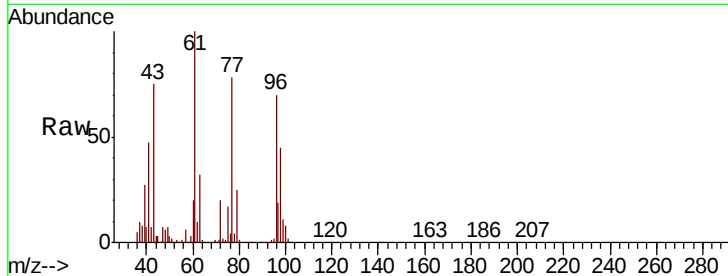


#27

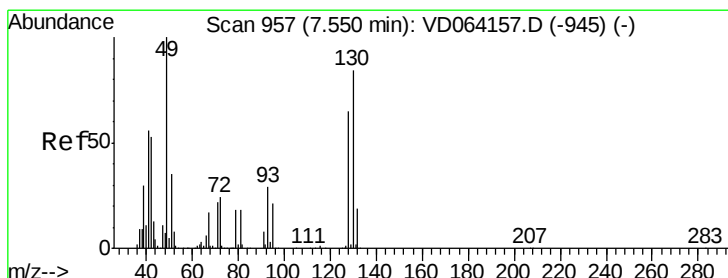
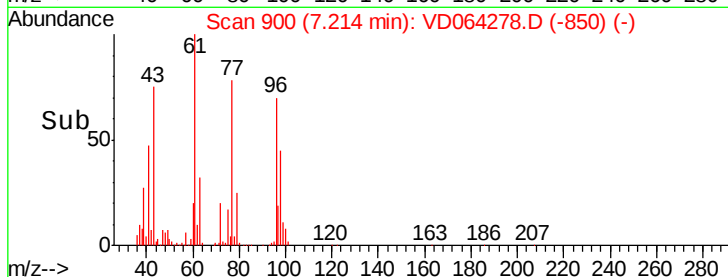
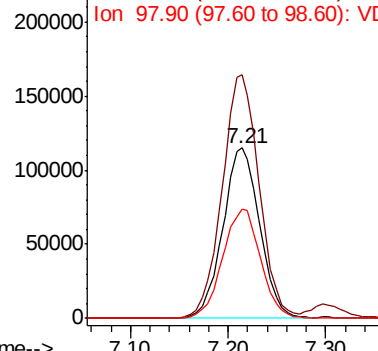
cis-1,2-Dichloroethene
Concen: 56.466 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	301.4
98	66.1	0.0	133.2



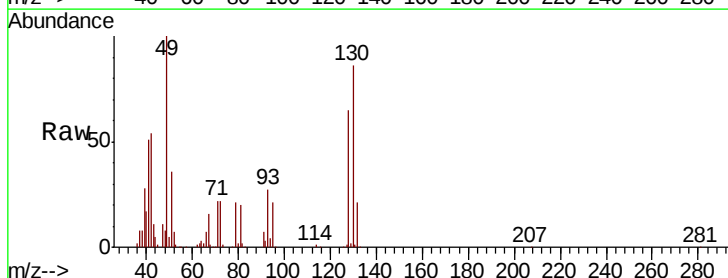
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



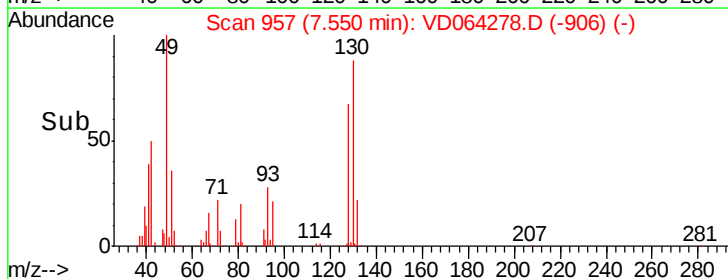
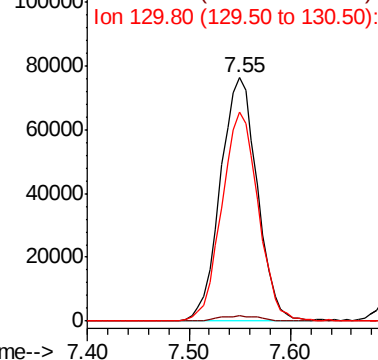
#28

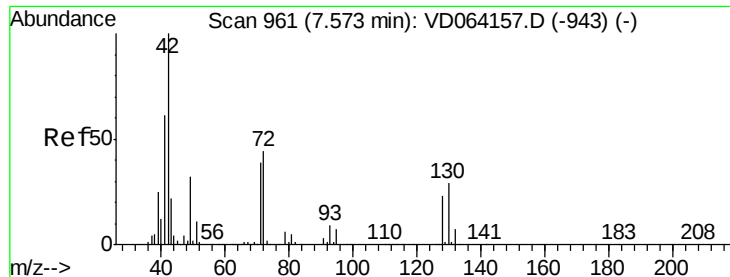
Bromochloromethane
Concen: 65.811 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	84.9	66.8	100.2



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

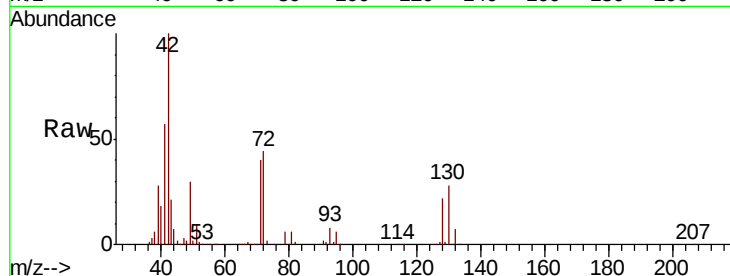




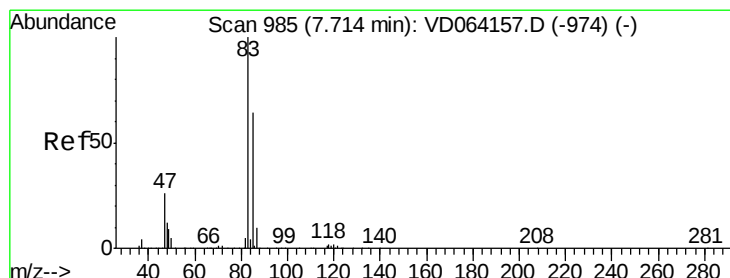
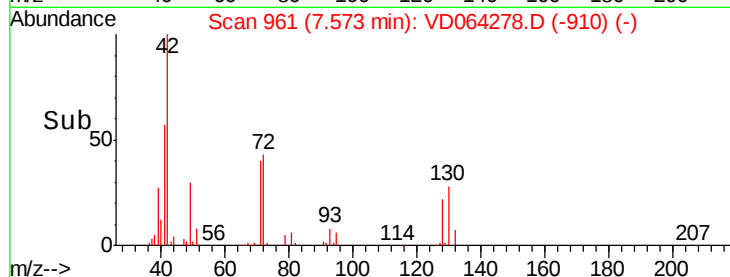
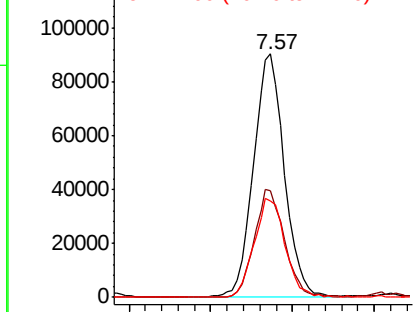
#29
Tetrahydrofuran
Concen: 297.107 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 237229
Ion Ratio Lower Upper
42 100
72 43.5 33.4 50.2
71 40.9 31.0 46.4

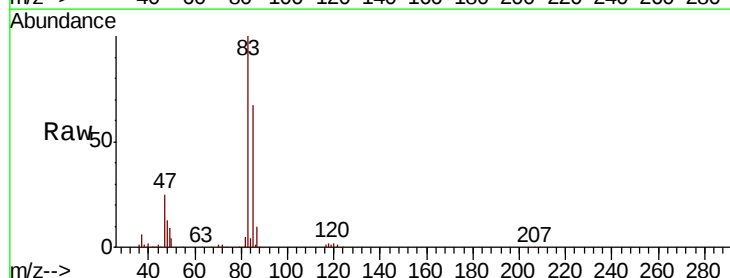


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

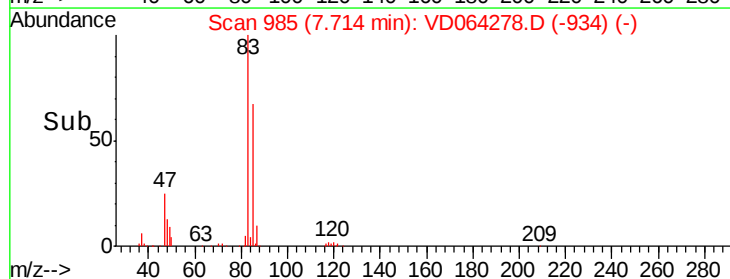
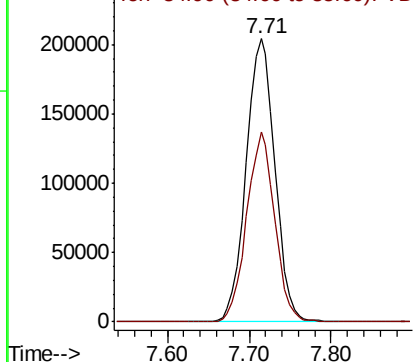


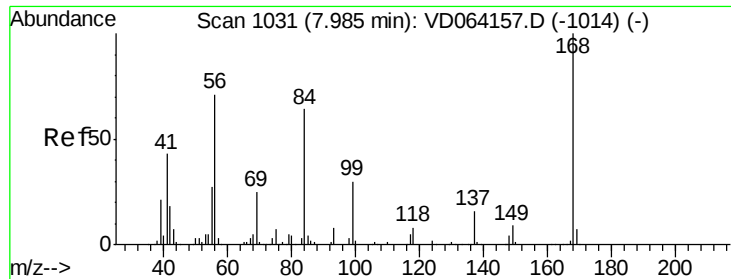
#30
Chloroform
Concen: 57.926 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Tgt Ion: 83 Resp: 500693
Ion Ratio Lower Upper
83 100
85 67.1 51.4 77.0



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

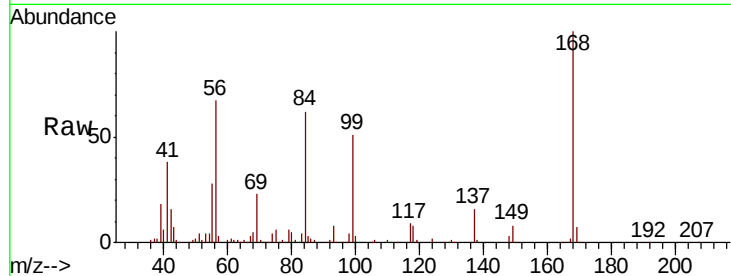




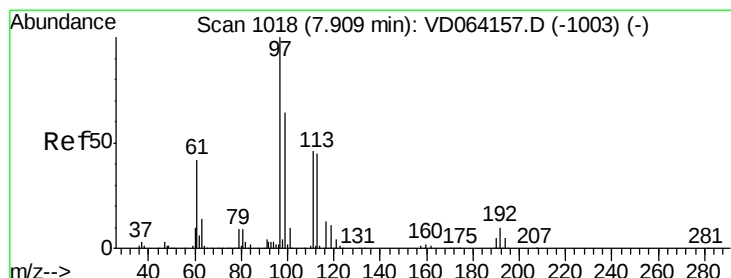
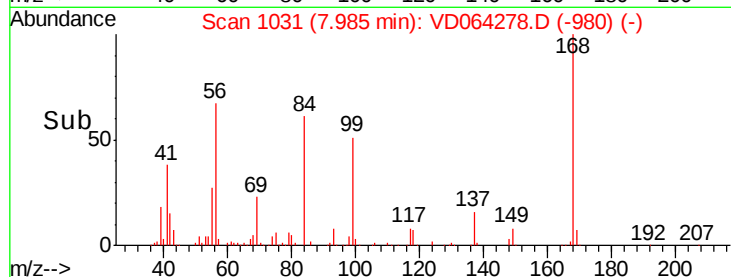
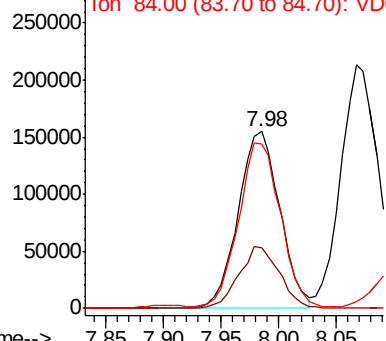
#31
Cyclohexane
Concen: 45.695 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 389422
Ion Ratio Lower Upper
56 100
69 33.9 28.2 42.4
84 91.6 71.8 107.6

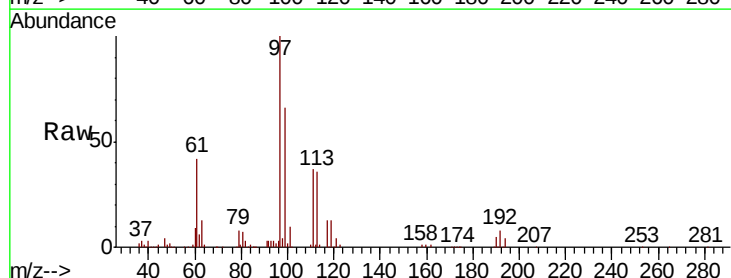


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

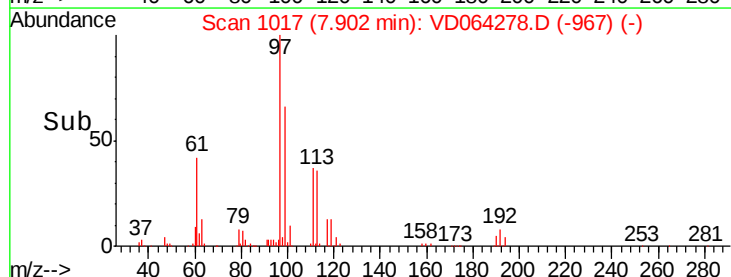
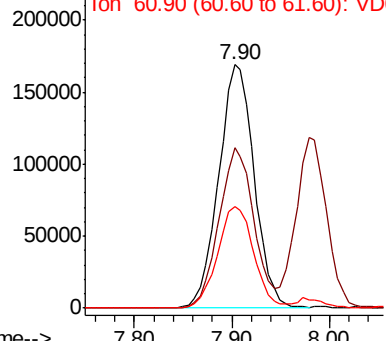


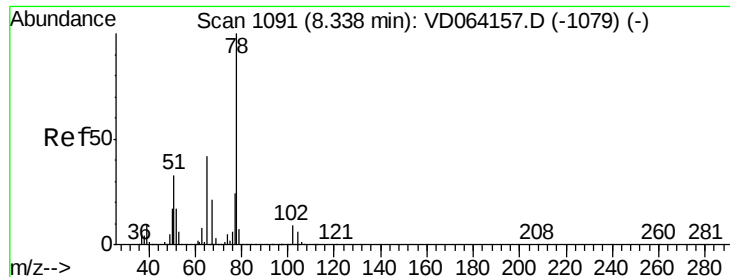
#32
1,1,1-Trichloroethane
Concen: 51.819 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Tgt Ion: 97 Resp: 428880
Ion Ratio Lower Upper
97 100
99 64.9 51.6 77.4
61 42.5 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: 57.101 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

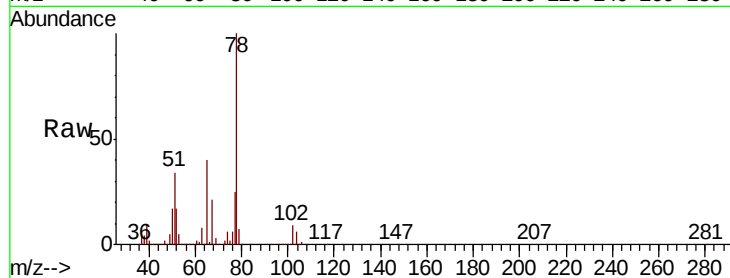
ClientSampleId :

Tot Ion: 65 Resp: 247939

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

120000

100000

80000

60000

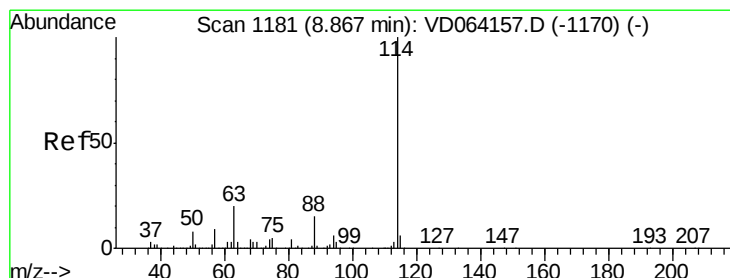
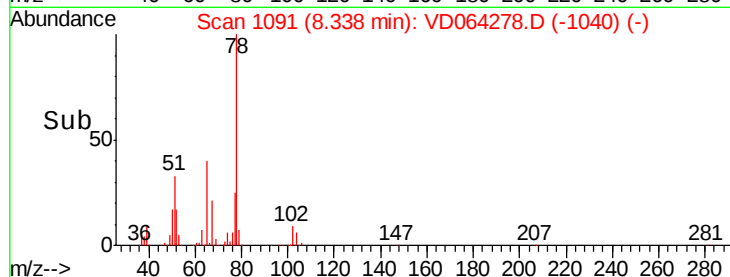
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

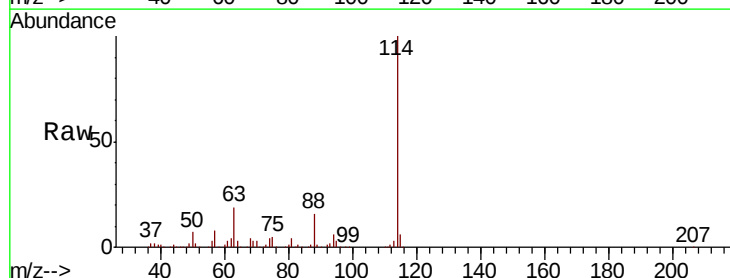
Tgt Ion: 114 Resp: 790935

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 15.6 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

500000

400000

300000

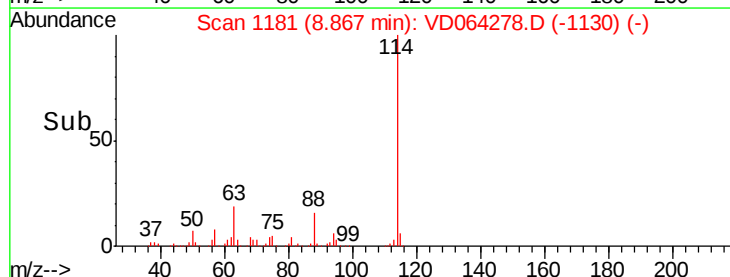
200000

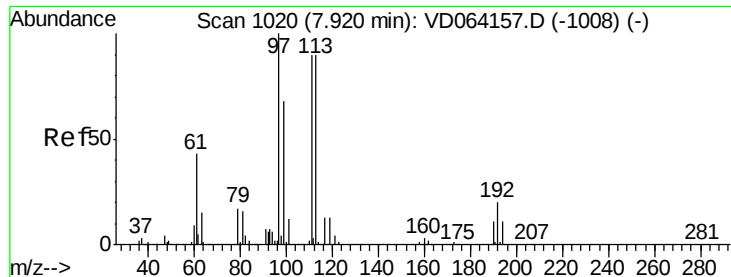
100000

0

8.80 8.90 9.00

Time-->

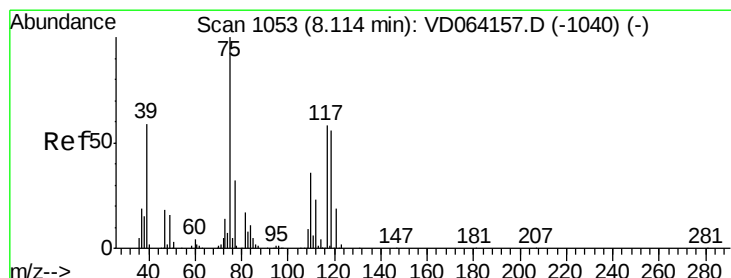
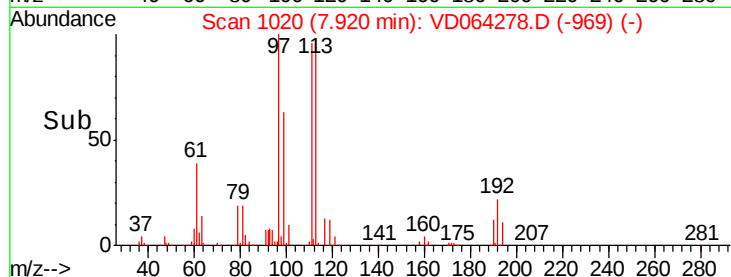
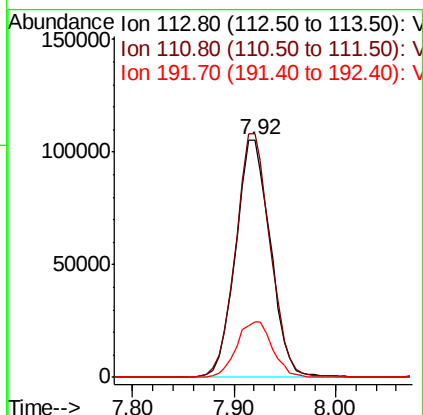
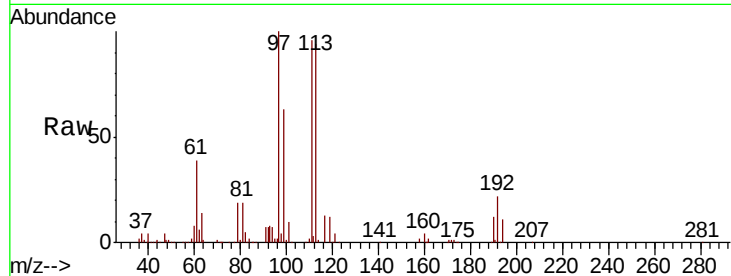




#35
 Dibromofluoromethane
 Concen: 55.332 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064278.D
 Acq: 18 Nov 2019 21:44

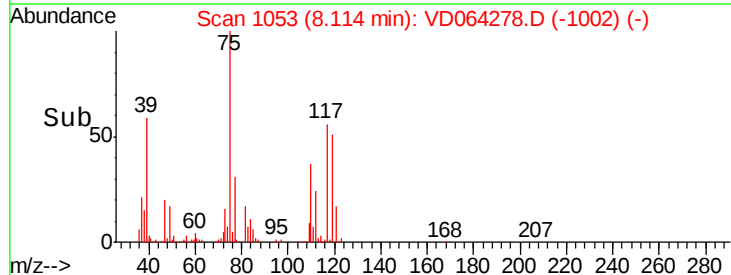
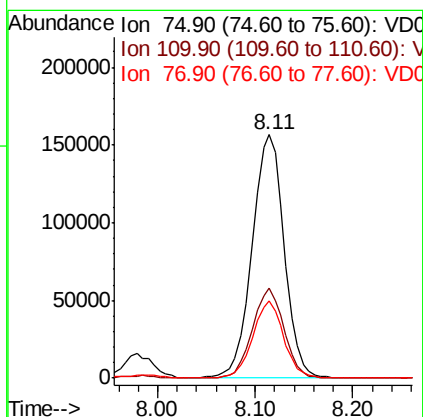
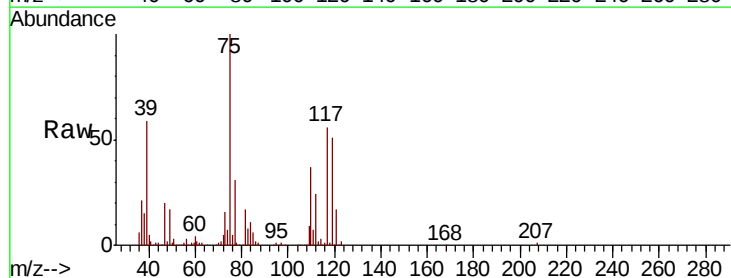
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.5	122.3
192	23.9	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 49.043 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064278.D
 Acq: 18 Nov 2019 21:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.3	54.9
77	30.9	25.0	37.6

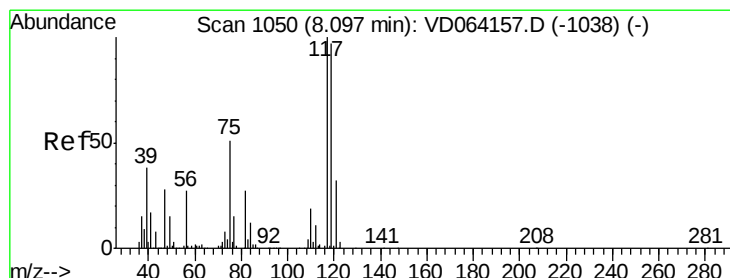
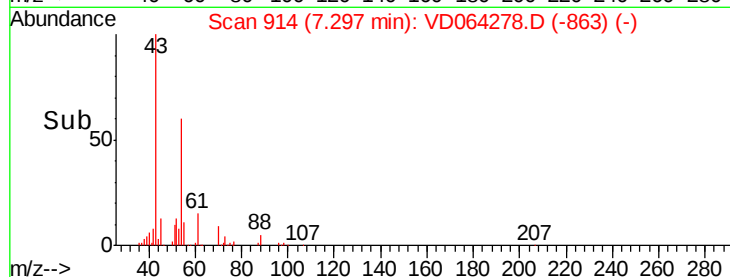
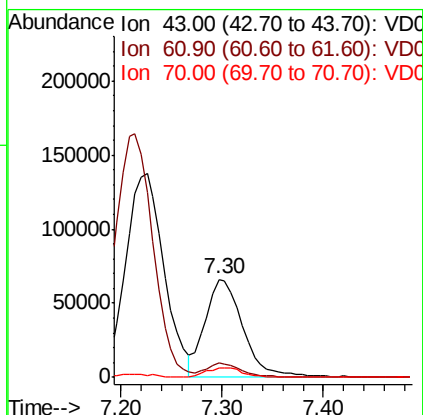
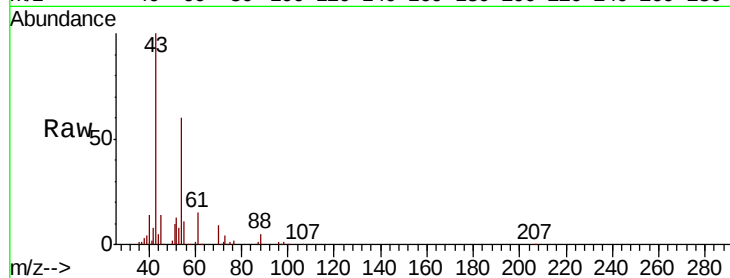




#37
Ethyl Acetate
Concen: 54.490 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

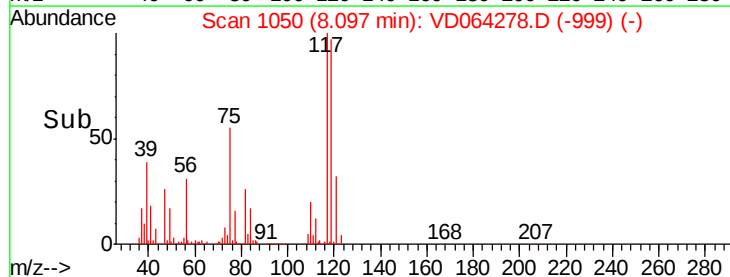
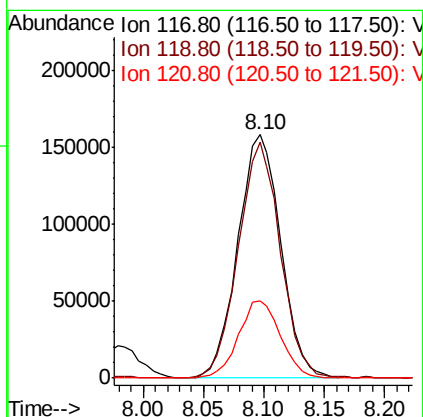
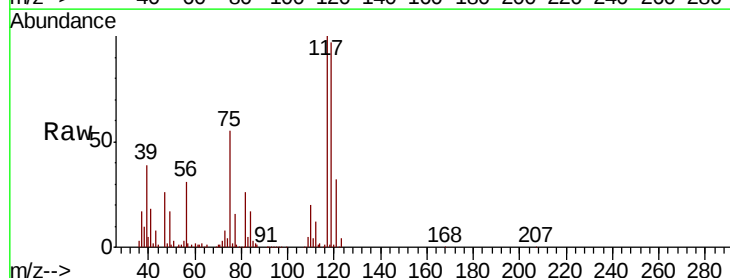
Instrument :
MSVOA_D
ClientSampled :

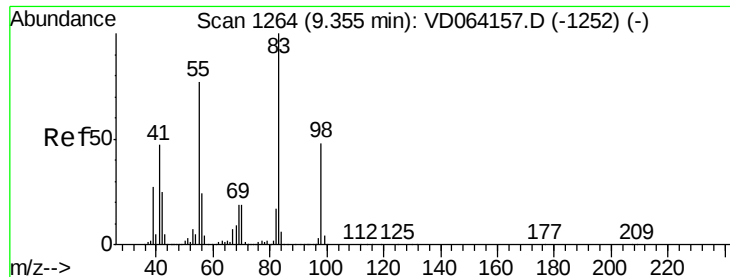
Tot Ion: 43 Resp: 167684
Ion Ratio Lower Upper
43 100
61 13.3 10.2 15.2
70 9.5 8.5 12.7



#38
Carbon Tetrachloride
Concen: 50.030 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Tgt Ion: 117 Resp: 390771
Ion Ratio Lower Upper
117 100
119 96.9 77.2 115.8
121 31.9 25.5 38.3

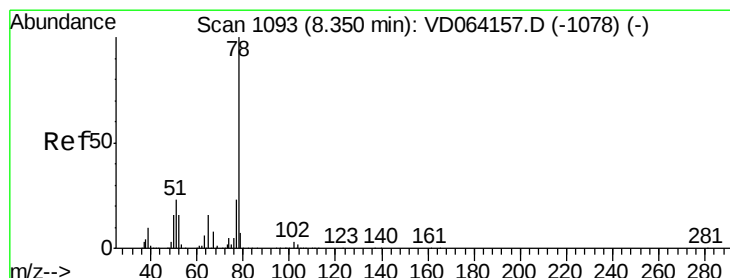
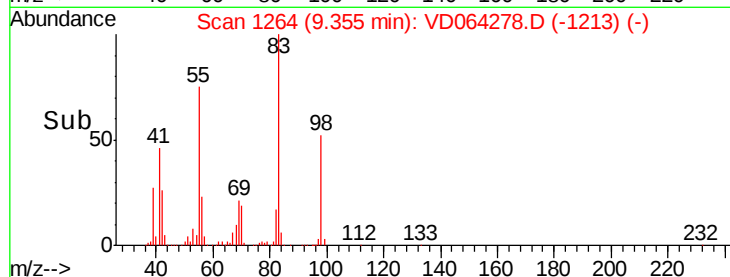
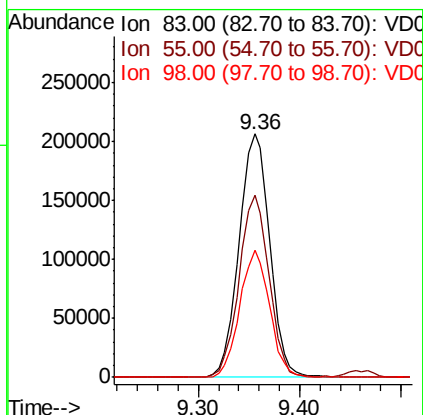
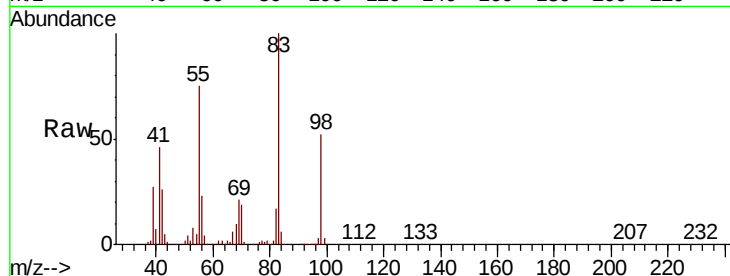




#39
Methvlcvclohexane
Concen: 46.905 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

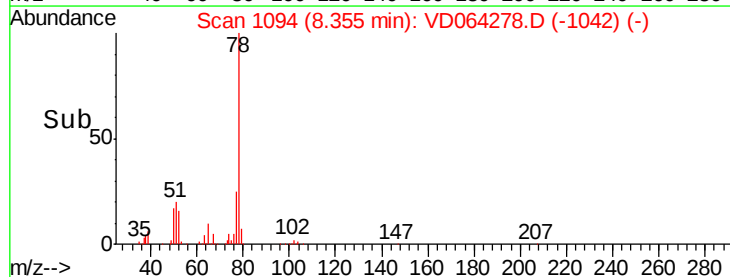
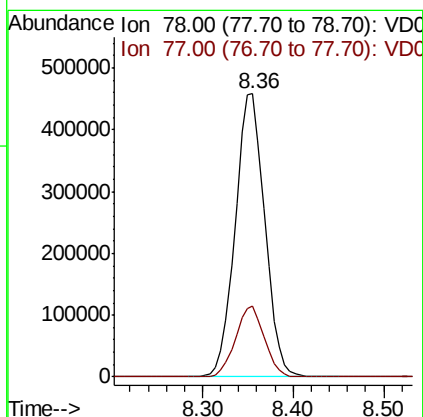
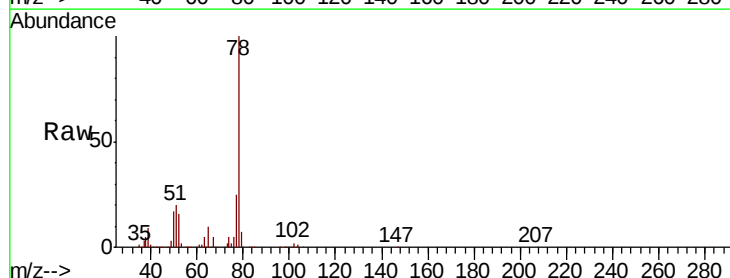
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 433248
Ion Ratio Lower Upper
83 100
55 74.6 61.7 92.5
98 52.3 38.6 58.0



#40
Benzene
Concen: 52.191 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Tgt Ion: 78 Resp: 1041218
Ion Ratio Lower Upper
78 100
77 25.0 18.6 28.0

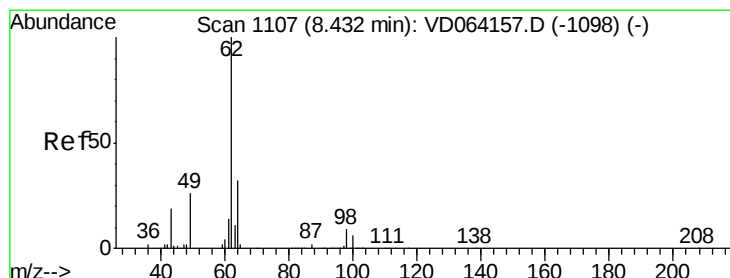
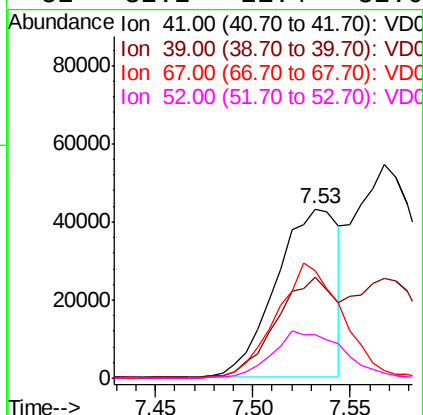
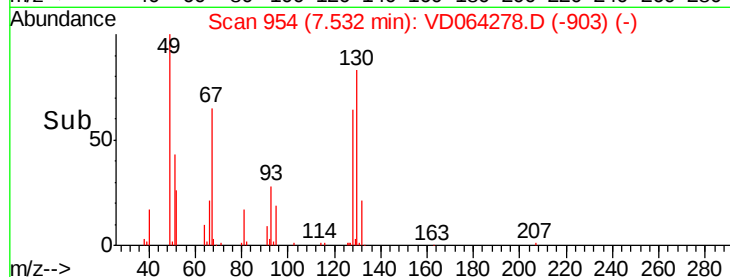
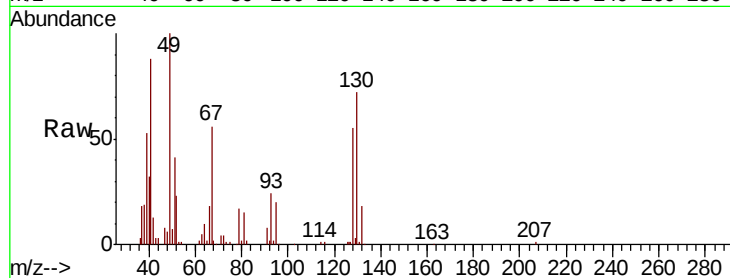




#41
Methacrylonitrile
Concen: 49.475 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

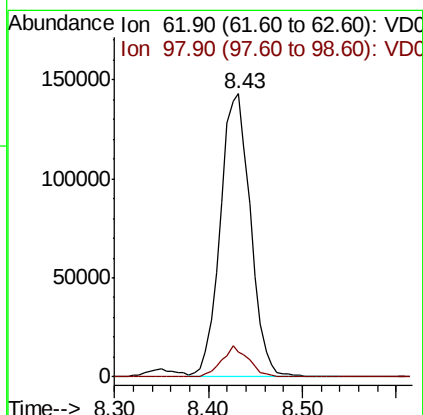
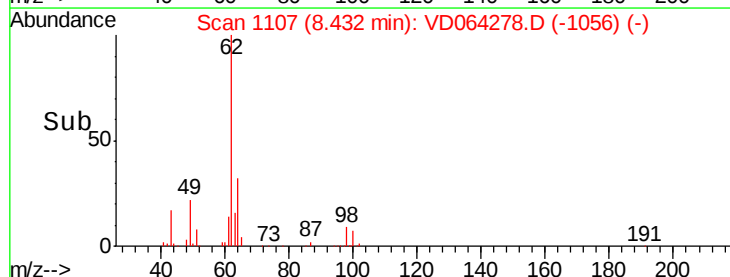
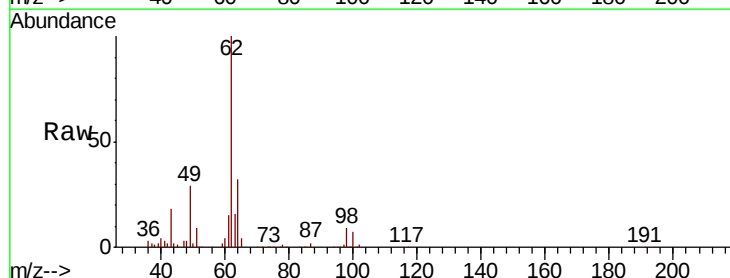
Instrument :
MSVOA_D
ClientSampleId :

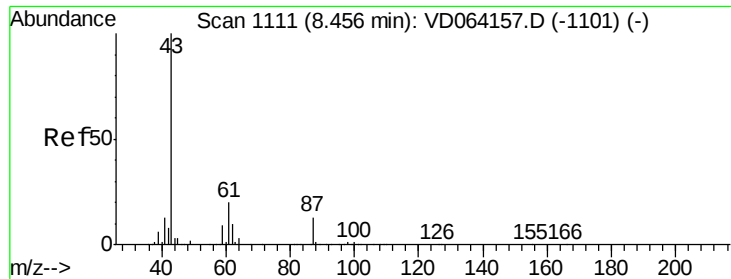
Tot Ion: 41 Resp: 95694
Ion Ratio Lower Upper
41 100
39 57.5 49.4 74.2
67 72.6 49.6 74.4
52 32.2 21.4 32.0#



#42
1,2-Dichloroethane
Concen: 53.354 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Tgt Ion: 62 Resp: 319688
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.0





#43

Isopropyl Acetate

Concen: 52.865 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

ClientSampleId :

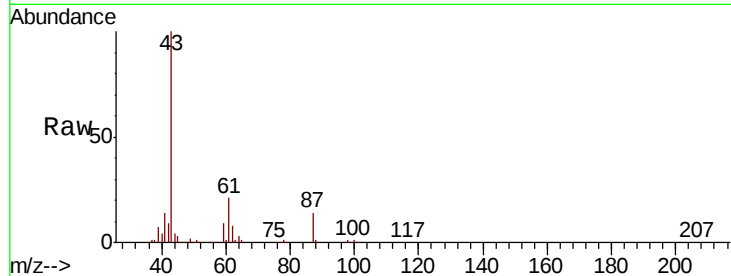
Tot Ion: 43 Resp: 335196

Ion Ratio Lower Upper

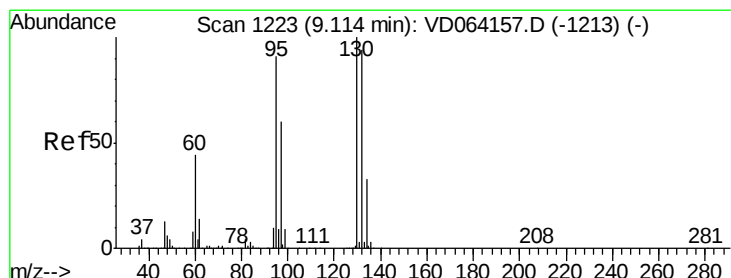
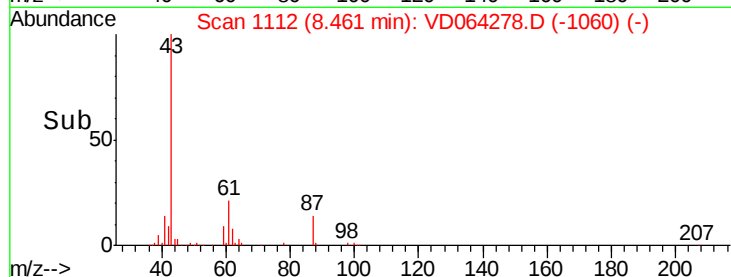
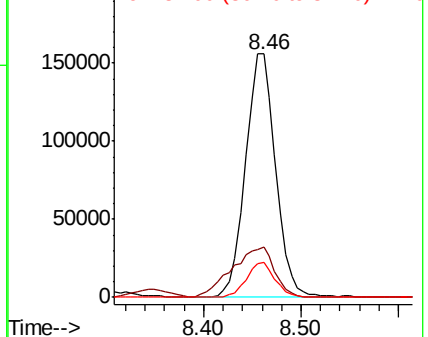
43 100

61 29.2 22.9 34.3

87 13.8 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: 52.532 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064278.D

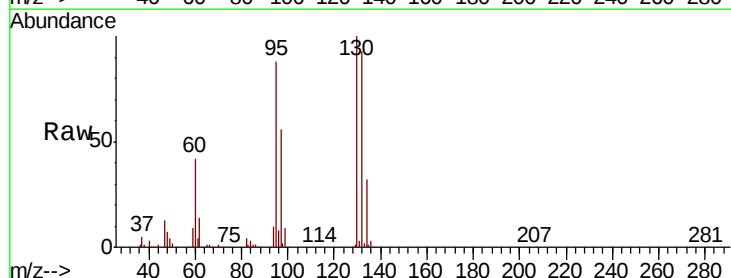
Acq: 18 Nov 2019 21:44

Tgt Ion:130 Resp: 314543

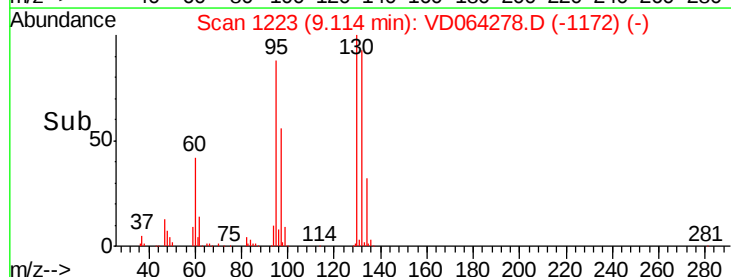
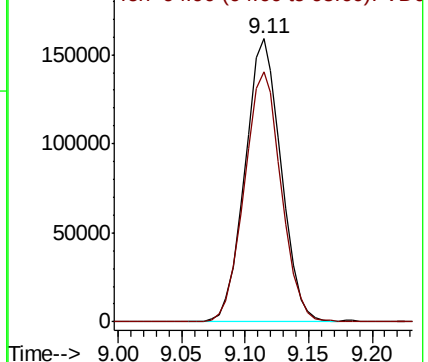
Ion Ratio Lower Upper

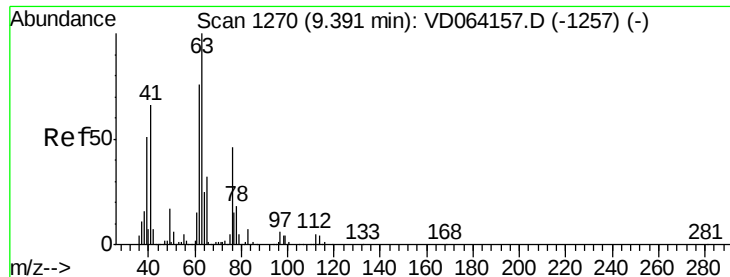
130 100

95 88.4 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: 53.645 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

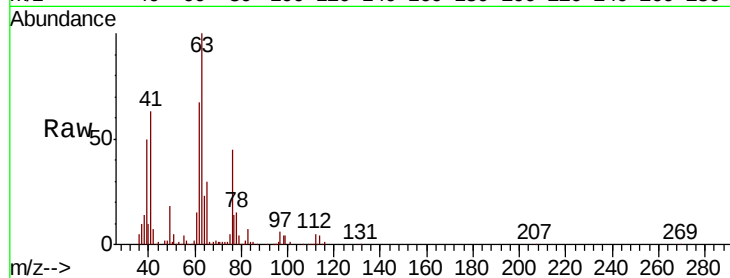
ClientSampleId :

Tot Ion: 63 Resp: 260488

Ion Ratio Lower Upper

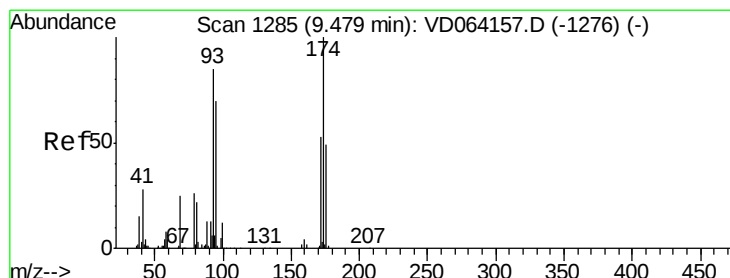
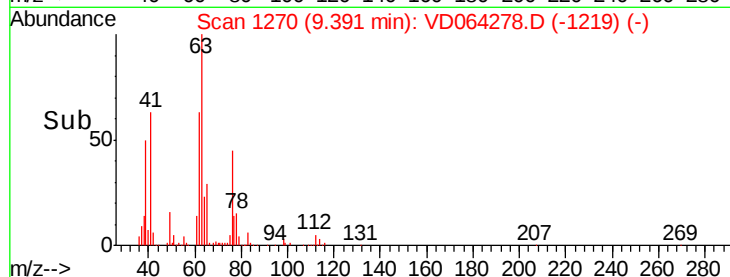
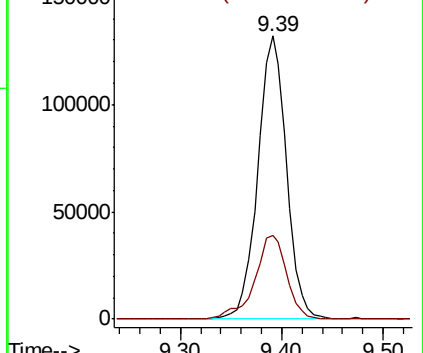
63 100

65 29.6 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 57.229 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

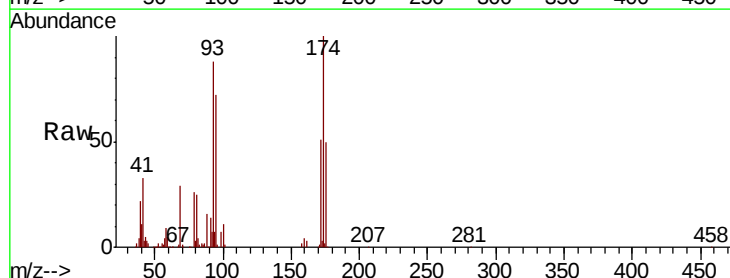
Tgt Ion: 93 Resp: 148772

Ion Ratio Lower Upper

93 100

95 82.7 65.5 98.3

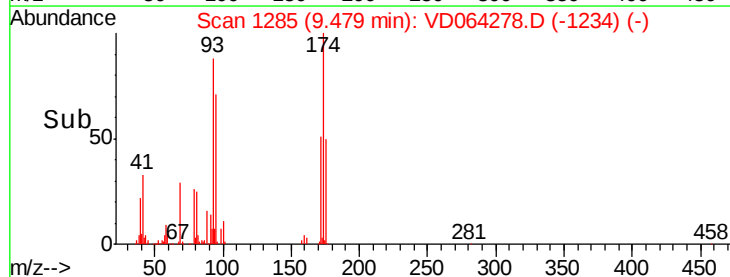
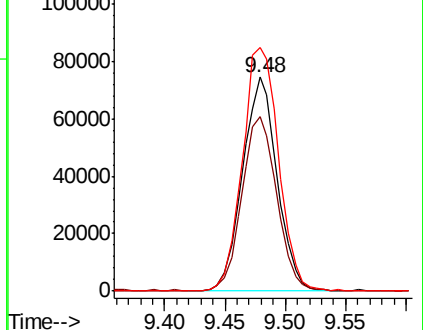
174 119.3 93.9 140.9

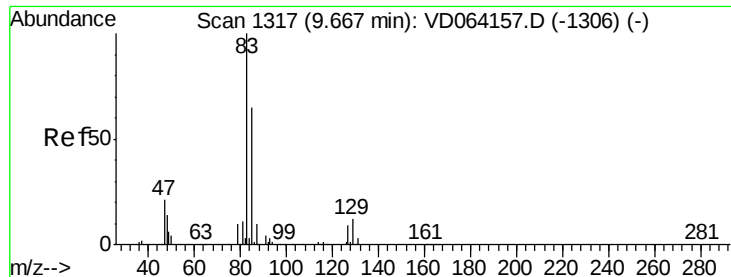


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 55.414 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

ClientSampled :

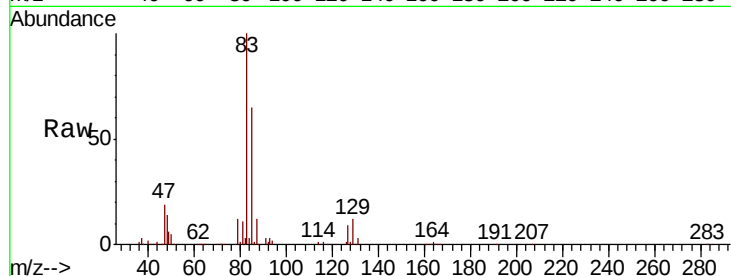
Tot Ion: 83 Resp: 388023

Ion Ratio Lower Upper

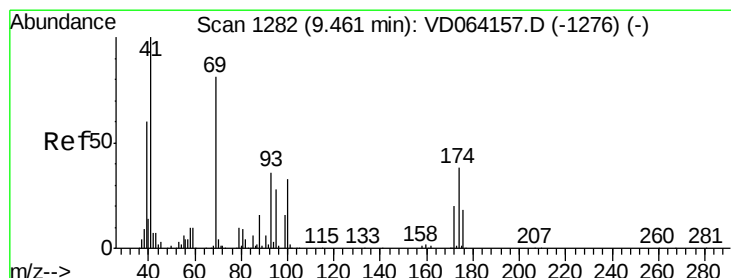
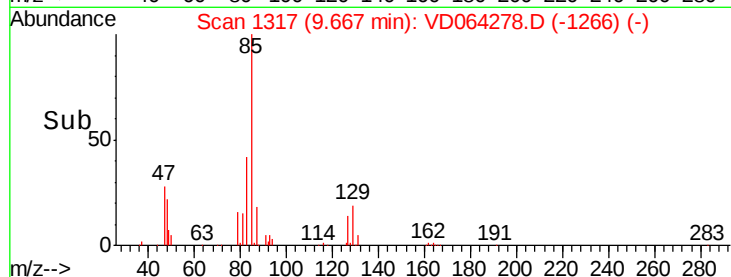
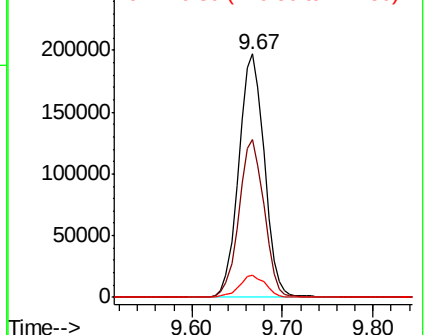
83 100

85 64.7 52.2 78.4

127 8.9 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: 49.871 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

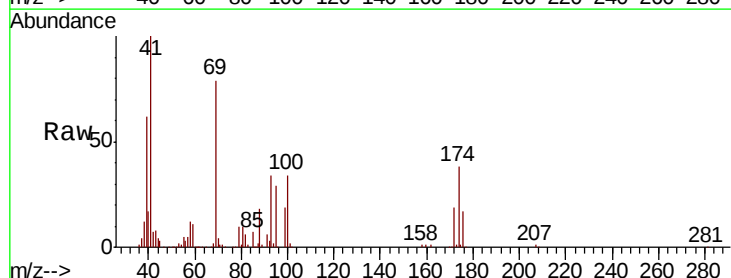
Tgt Ion: 41 Resp: 154621

Ion Ratio Lower Upper

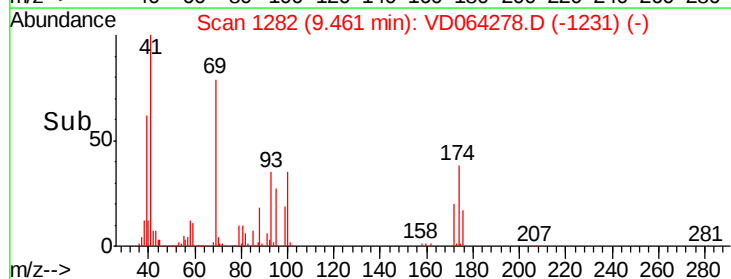
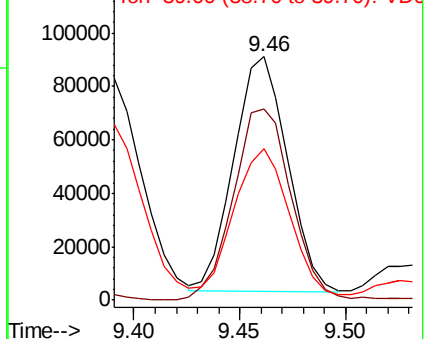
41 100

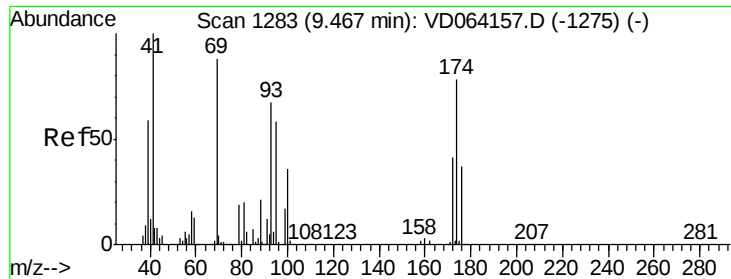
69 89.4 64.6 97.0

39 68.7 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: 1185.295 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :
MSVOA_D
ClientSampled :

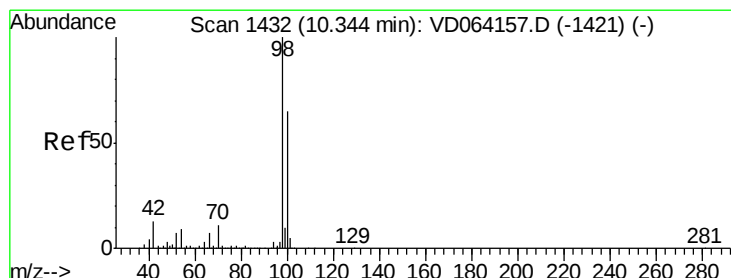
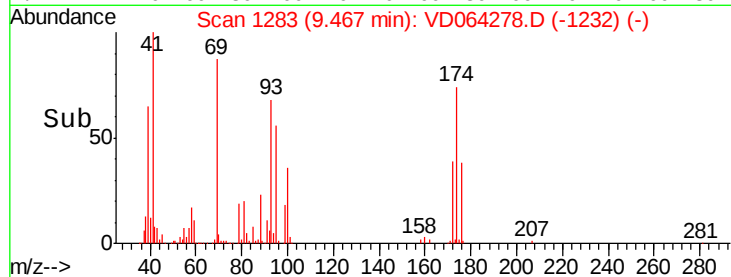
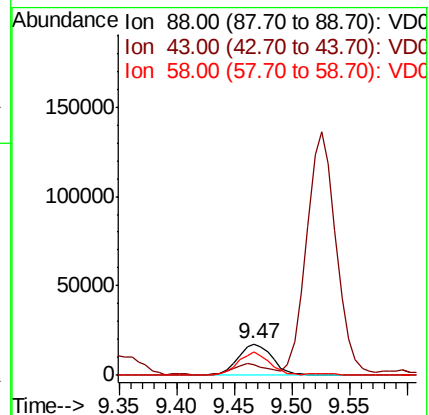
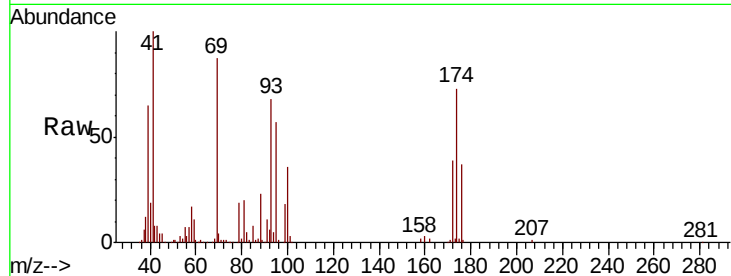
Tot Ion: 88 Resp: 37006

Ion Ratio Lower Upper

88 100

43 30.7 29.8 44.8

58 66.1 58.1 87.1



#50

Toluene-d8

Concen: 52.809 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064278.D

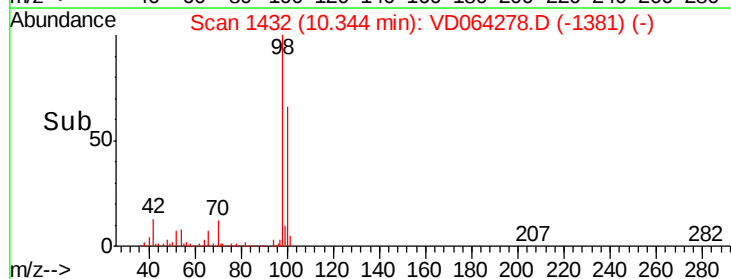
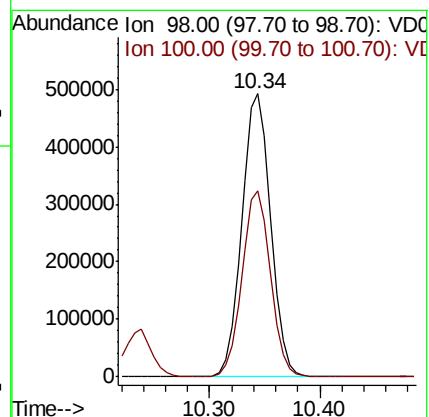
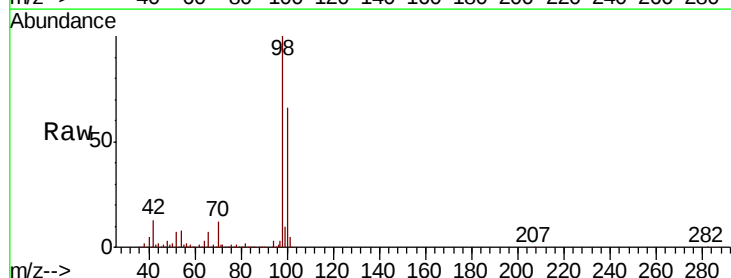
Acq: 18 Nov 2019 21:44

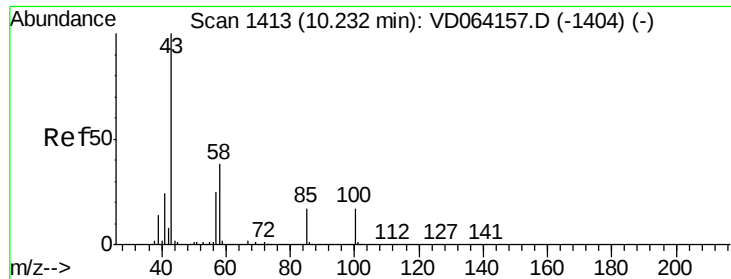
Tgt Ion: 98 Resp: 904469

Ion Ratio Lower Upper

98 100

100 64.7 52.6 78.8

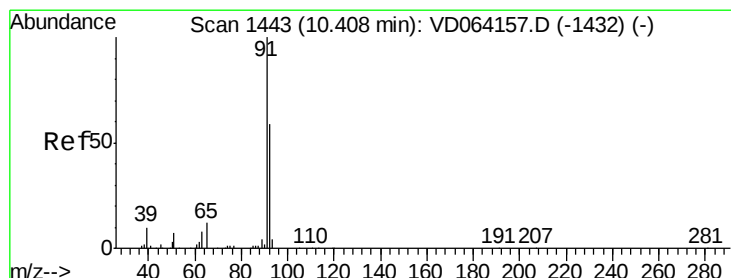
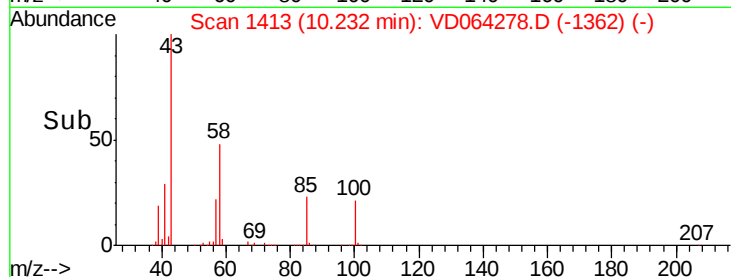
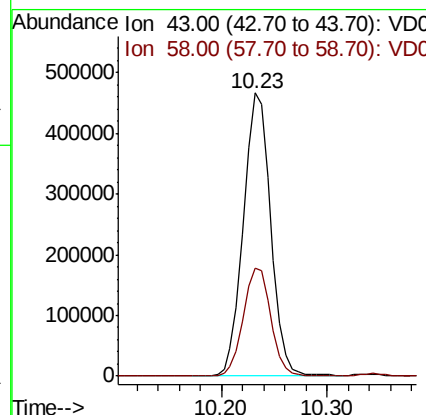
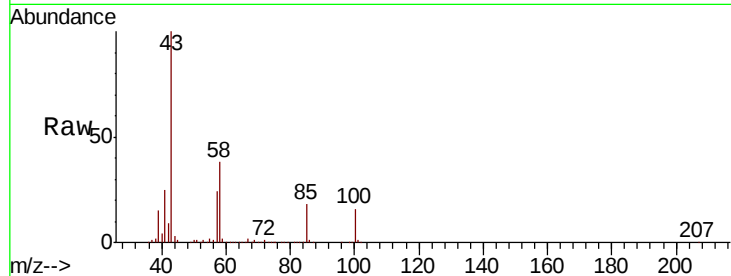




#51
 4-Methyl-2-Pentanone
 Concen: 275.041 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD064278.D
 Acq: 18 Nov 2019 21:44

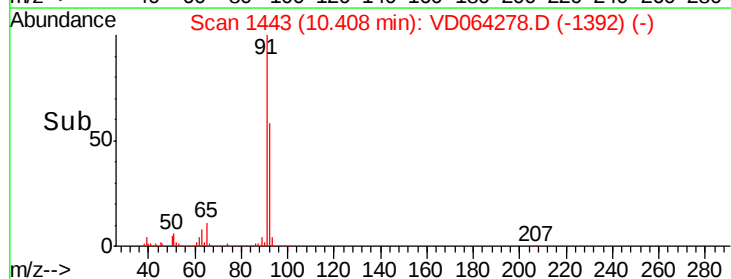
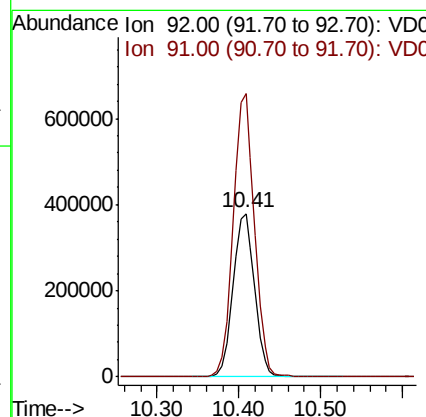
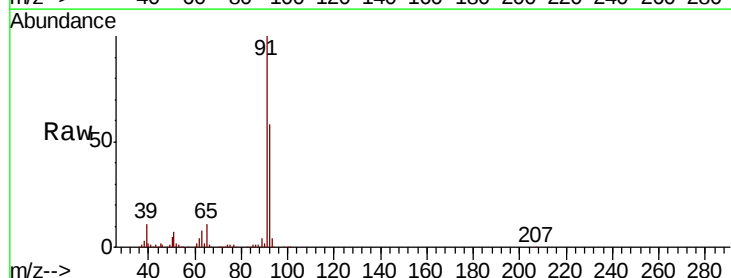
Instrument :
 MSVOA_D
 ClientSampled :

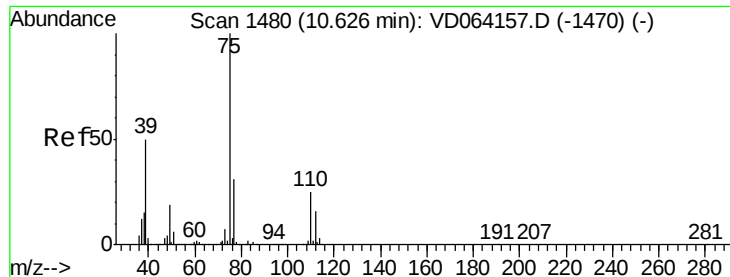
Tot Ion: 43 Resp: 836291
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.2 45.4



#52
 Toluene
 Concen: 52.779 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD064278.D
 Acq: 18 Nov 2019 21:44

Tgt Ion: 92 Resp: 692382
 Ion Ratio Lower Upper
 92 100
 91 171.3 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 52.188 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

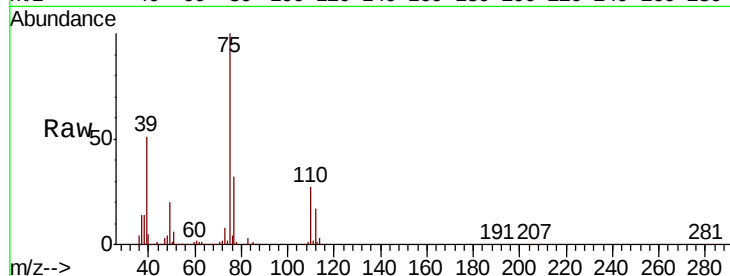
ClientSampleId :

Tot Ion: 75 Resp: 366108

Ion Ratio Lower Upper

75 100

77 31.8 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

200000

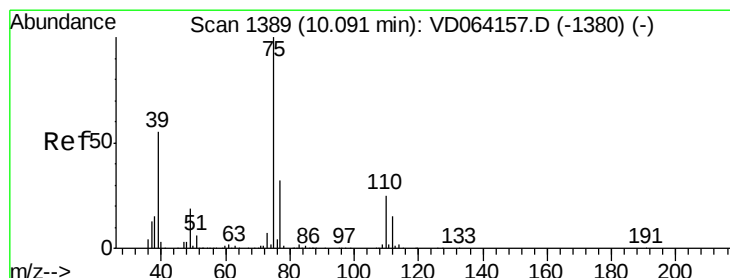
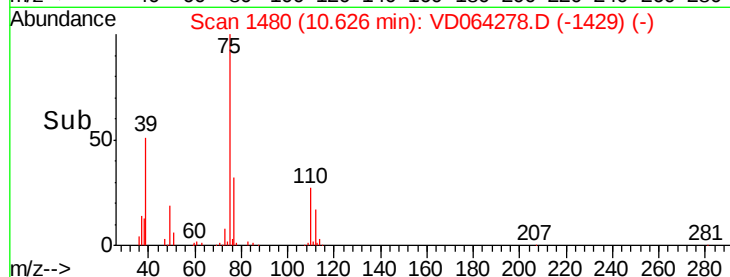
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.805 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

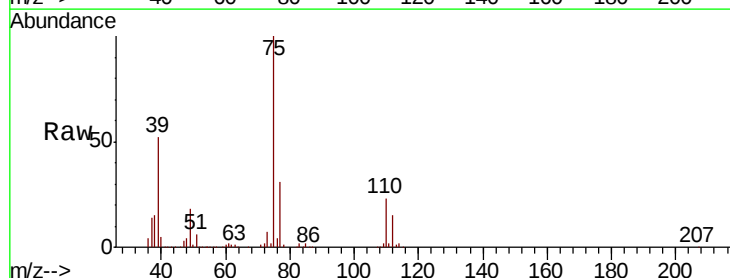
Tgt Ion: 75 Resp: 432266

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

39 51.6 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

300000

250000

200000

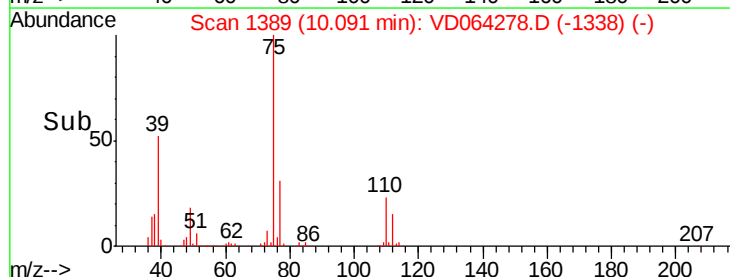
150000

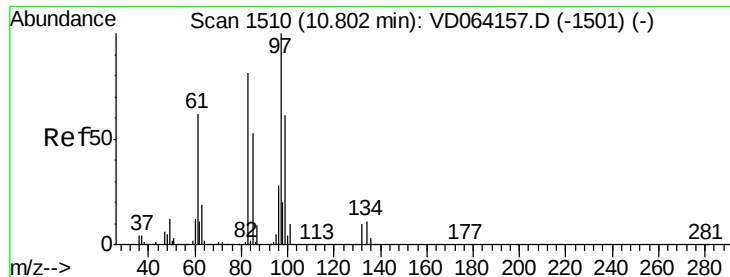
100000

50000

0

Time-->

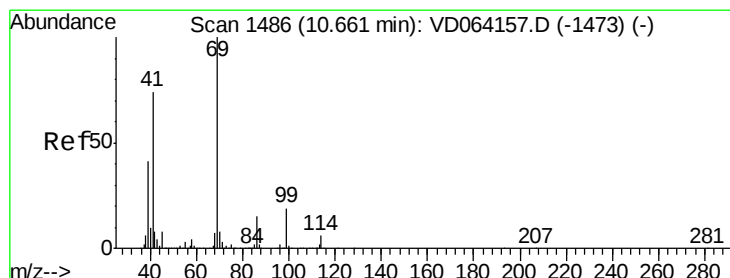
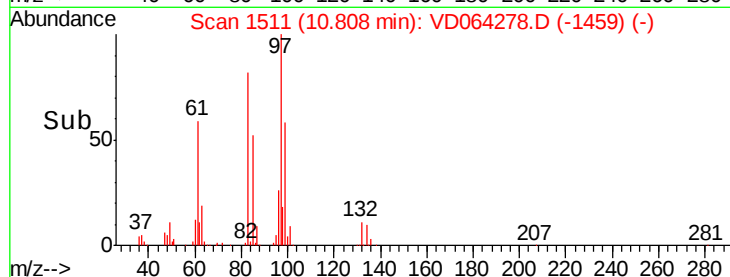
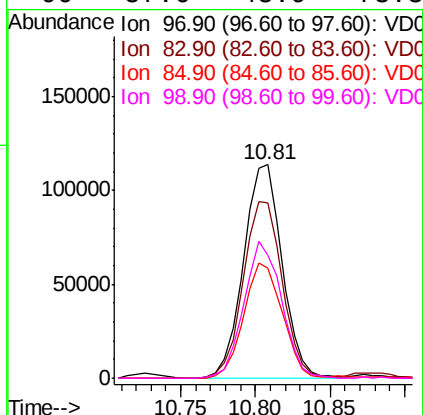
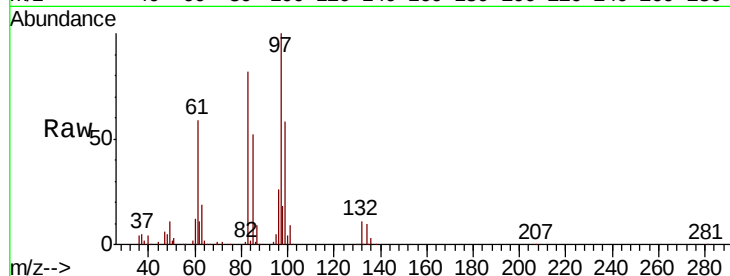




#55
 1,1,2-Trichloroethane
 Concen: 57.706 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064278.D
 Acq: 18 Nov 2019 21:44

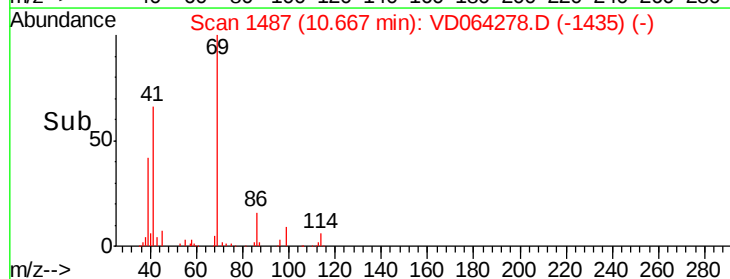
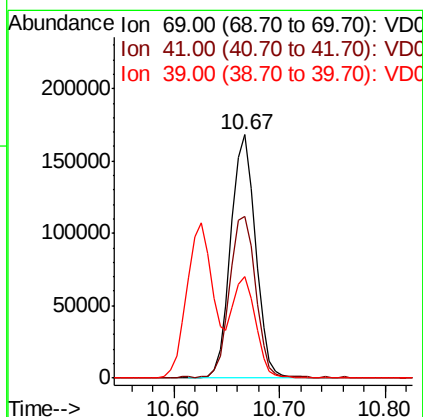
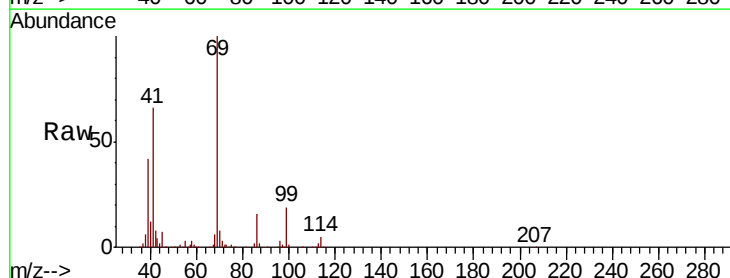
Instrument :
 MSVOA_D
 ClientSampleId :

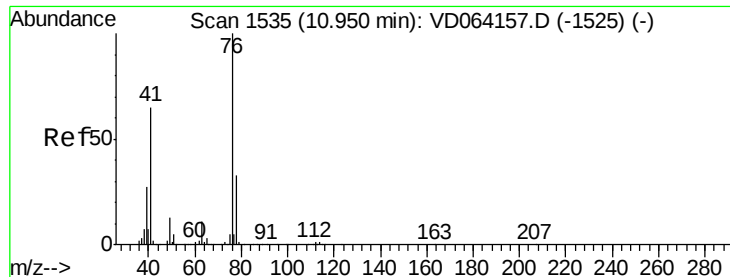
Tot Ion:	97	Resp:	203502
Ion	Ratio	Lower	Upper
97	100		
83	82.1	65.1	97.7
85	51.7	42.0	63.0
99	57.6	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 55.384 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064278.D
 Acq: 18 Nov 2019 21:44

Tgt Ion:	69	Resp:	273217
Ion	Ratio	Lower	Upper
69	100		
41	69.4	57.9	86.9
39	37.8	29.0	43.4





#57

1,3-Dichloropropane

Concen: 56.544 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

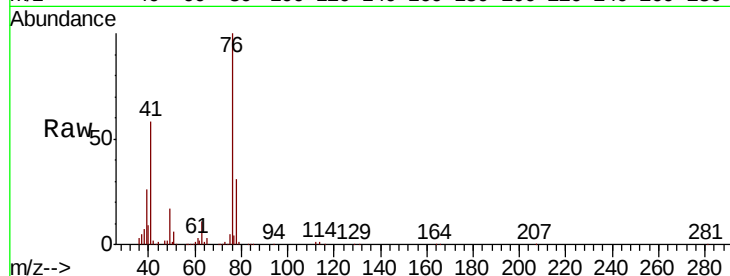
ClientSampleId :

Tot Ion: 76 Resp: 347762

Ion Ratio Lower Upper

76 100

78 32.6 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

200000

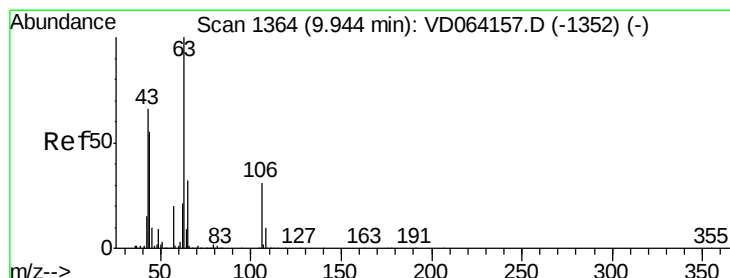
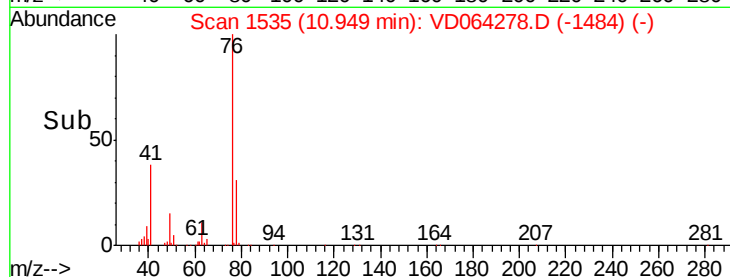
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 276.272 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064278.D

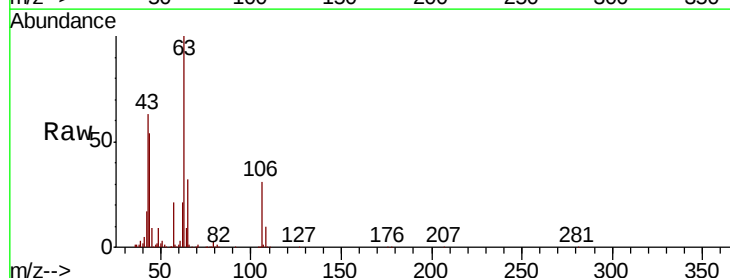
Acq: 18 Nov 2019 21:44

Tgt Ion: 63 Resp: 552073

Ion Ratio Lower Upper

63 100

106 31.2 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

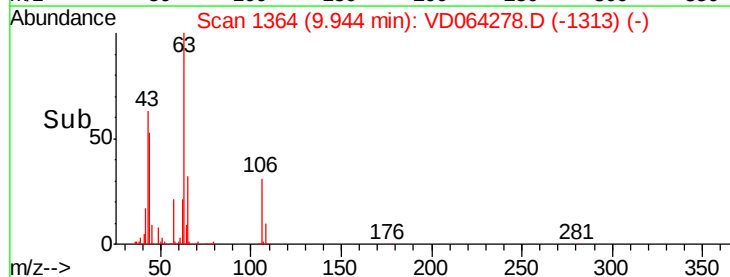
300000

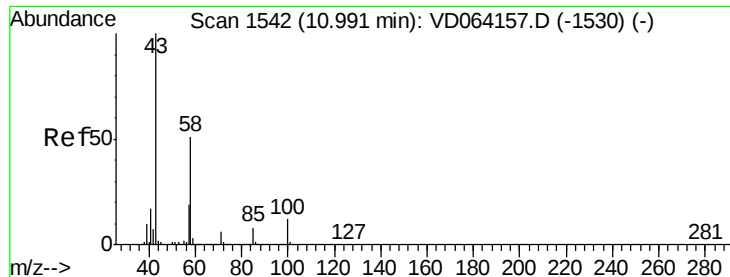
200000

100000

0

Time-->

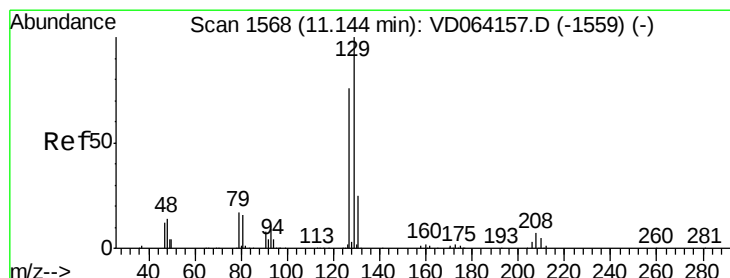
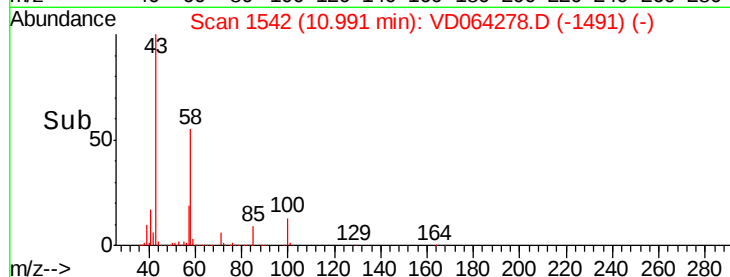
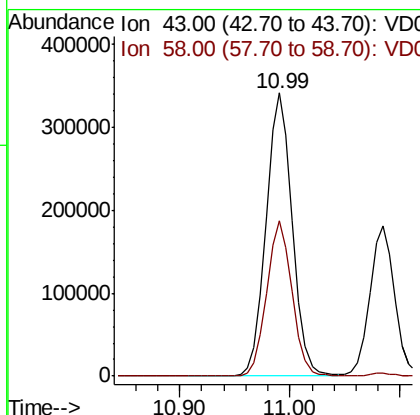
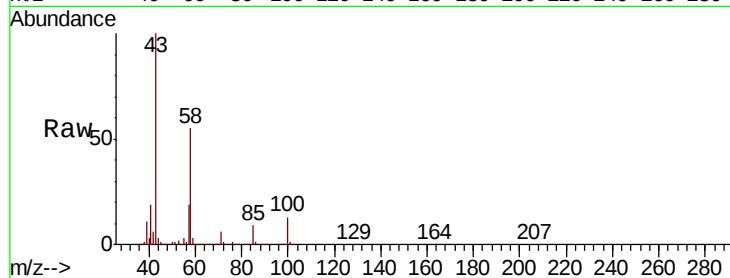




#59
2-Hexanone
Concen: 262.219 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

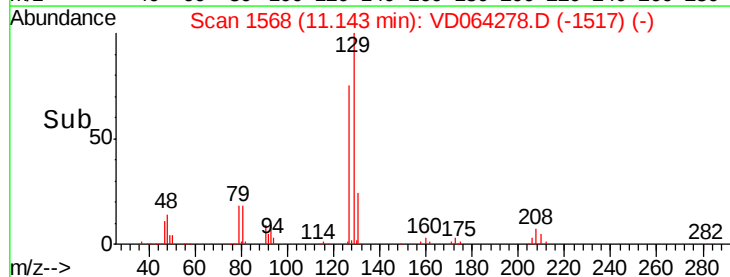
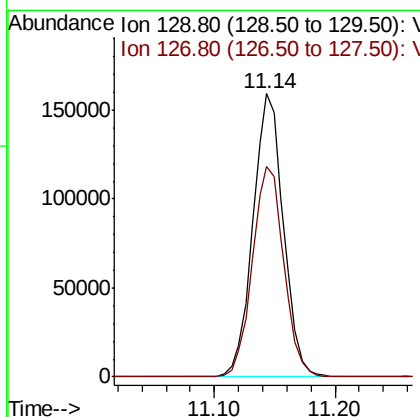
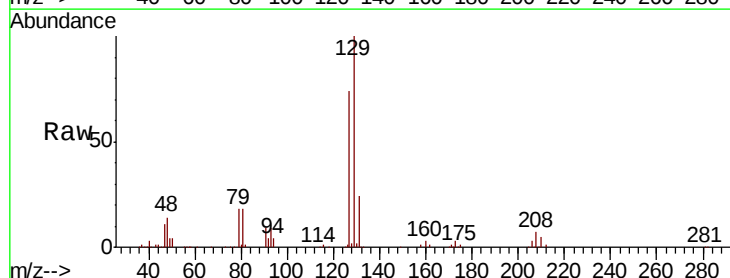
Instrument :
MSVOA_D
ClientSampled :

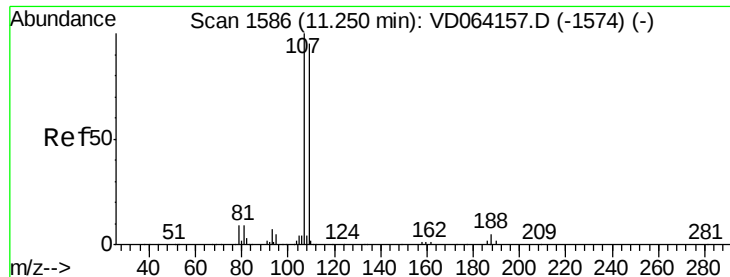
Tot Ion: 43 Resp: 567238
Ion Ratio Lower Upper
43 100
58 53.2 25.9 77.7



#60
Dibromochloromethane
Concen: 56.882 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Tgt Ion: 129 Resp: 279907
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8

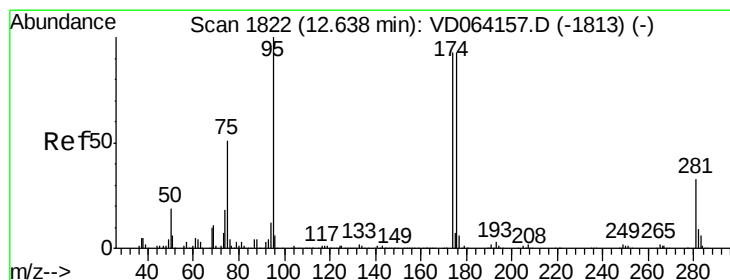
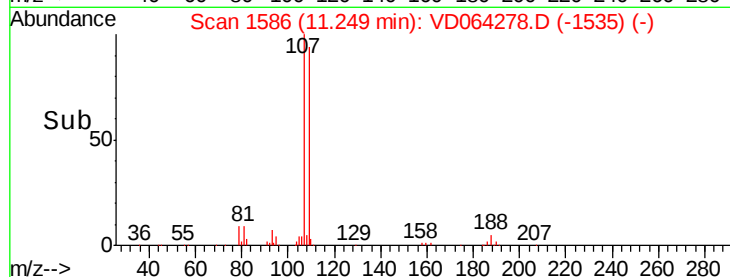
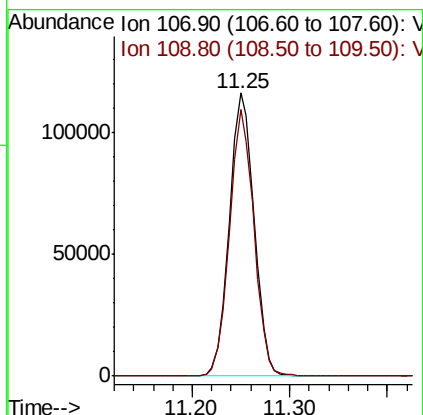
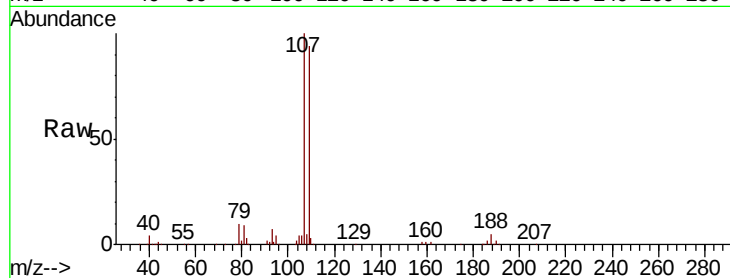




#61
 1,2-Dibromoethane
 Concen: 58.212 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064278.D
 Acq: 18 Nov 2019 21:44

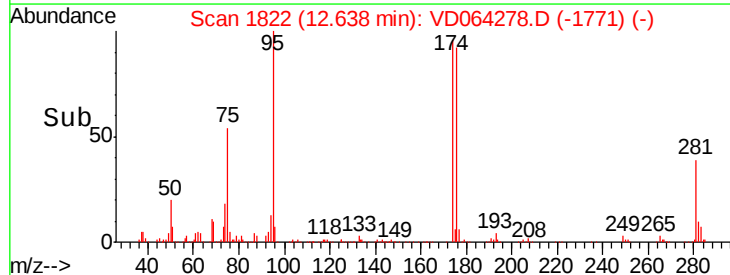
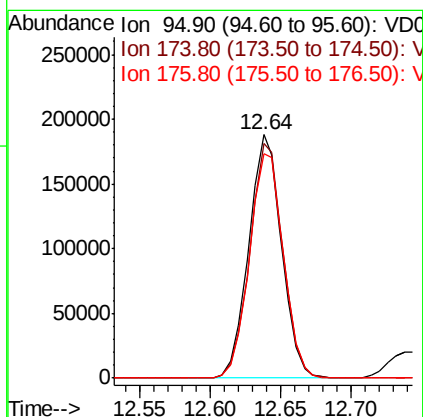
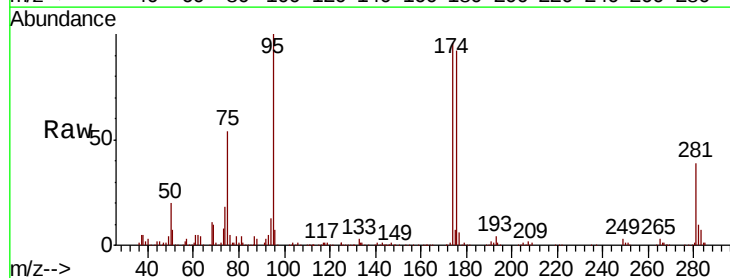
Instrument :
 MSVOA_D
 ClientSampled :

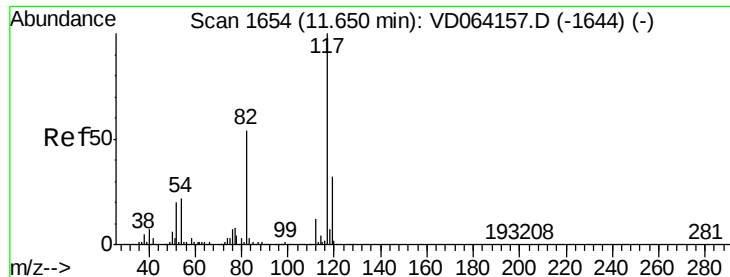
Tot Ion: 107 Resp: 205613
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 51.637 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064278.D
 Acq: 18 Nov 2019 21:44

Tgt Ion: 95 Resp: 306275
 Ion Ratio Lower Upper
 95 100
 174 97.3 0.0 183.6
 176 95.6 0.0 180.2

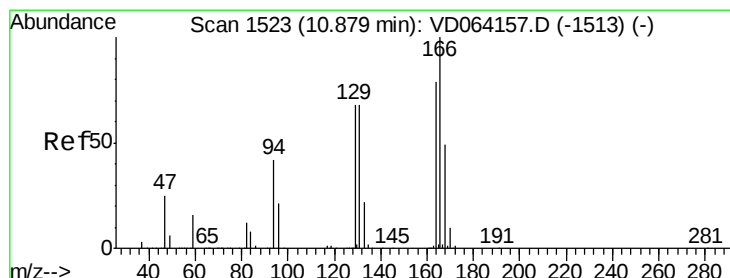
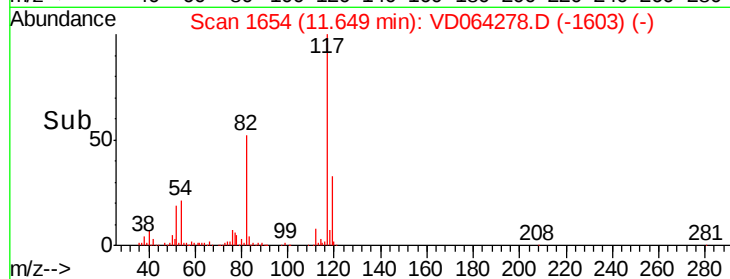
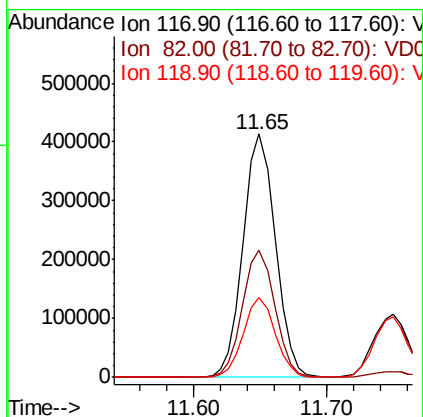
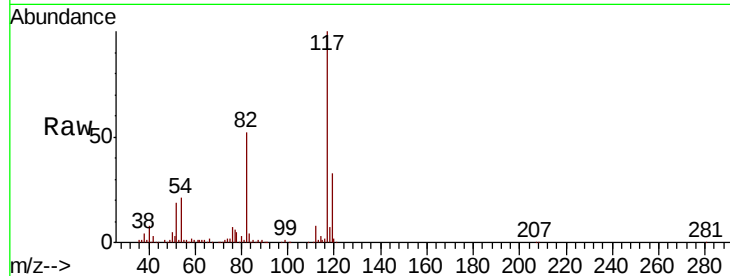




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

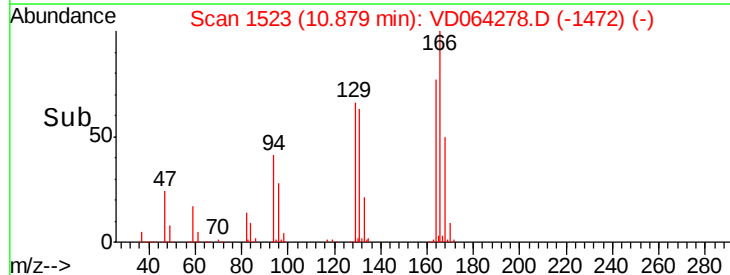
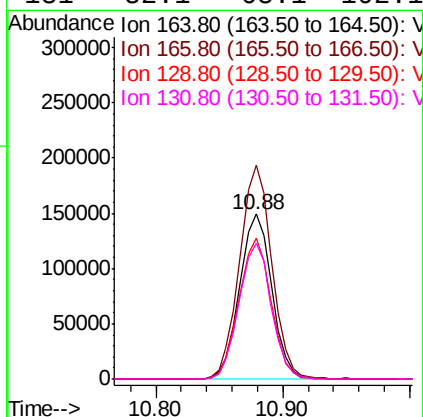
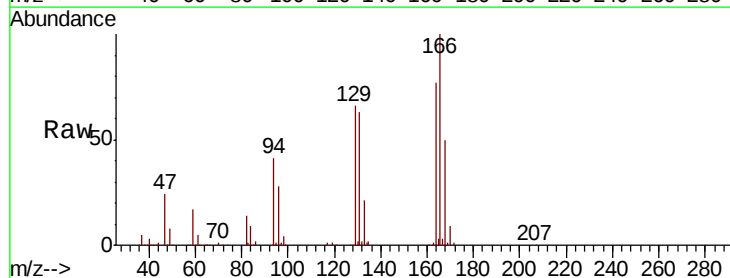
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 696101
Ion Ratio Lower Upper
117 100
82 52.2 42.8 64.2
119 32.7 25.6 38.4



#64
Tetrachloroethene
Concen: 49.242 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Tgt Ion:164 Resp: 263624
Ion Ratio Lower Upper
164 100
166 129.7 100.8 151.2
129 85.3 68.7 103.1
131 82.1 68.1 102.1

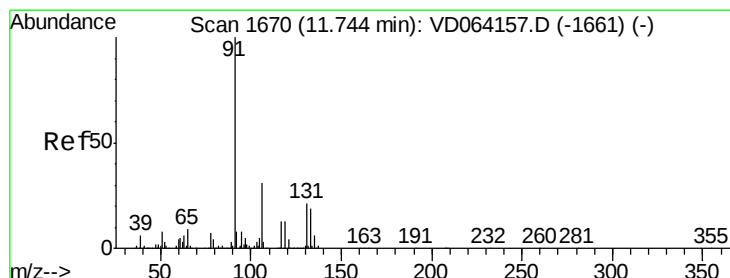
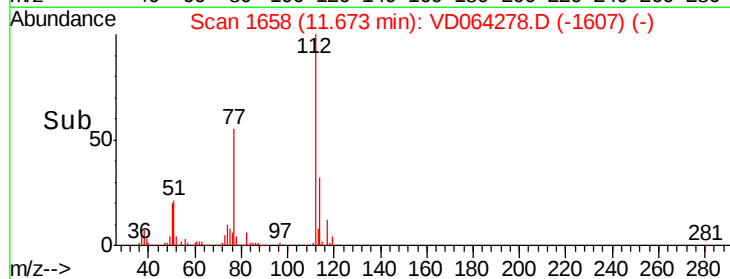
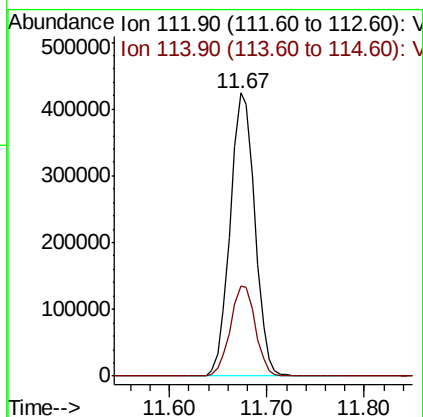
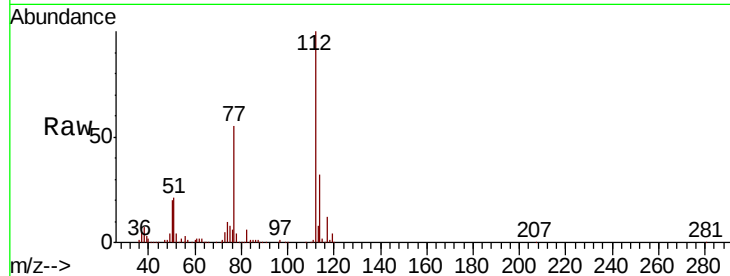




#65
Chlorobenzene
Concen: 52.618 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

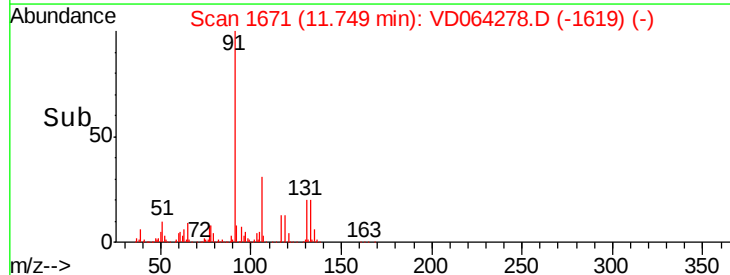
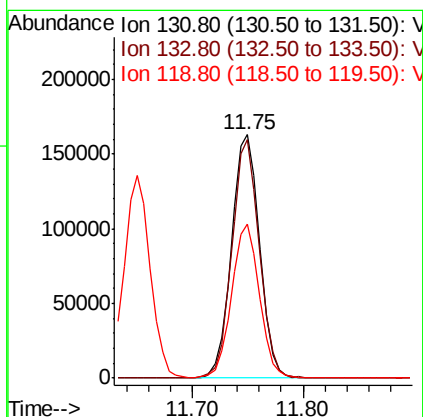
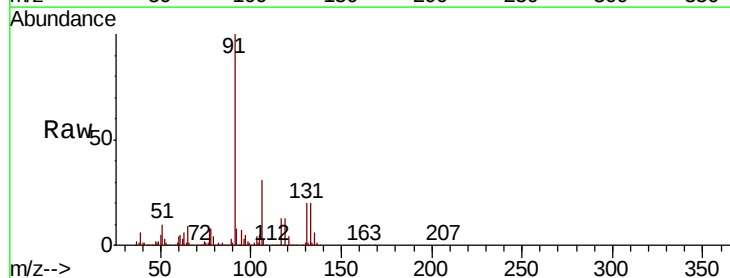
Instrument :
MSVOA_D
ClientSampleId :

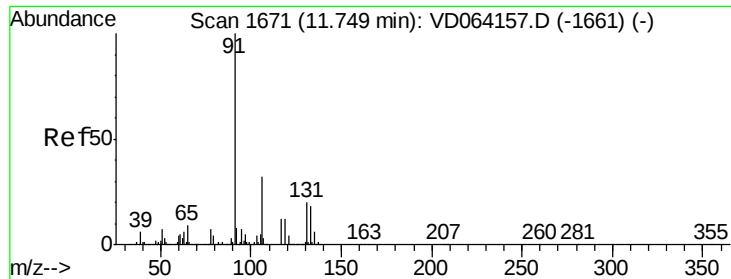
Tot Ion:112 Resp: 744819
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 53.916 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Tgt Ion:131 Resp: 290197
Ion Ratio Lower Upper
131 100
133 95.6 47.3 141.9
119 62.8 31.1 93.3





#67

Ethyl Benzene

Concen: 51.483 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

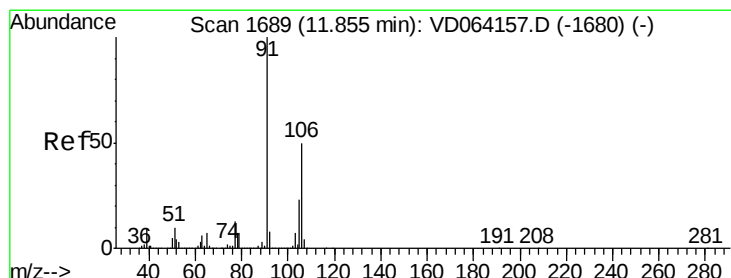
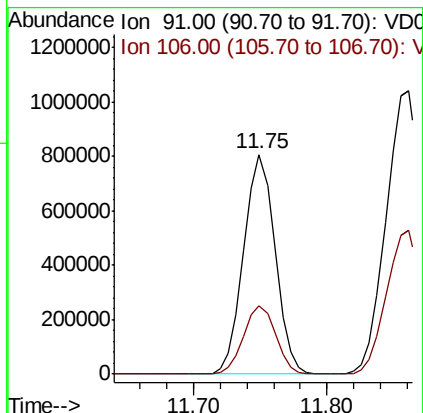
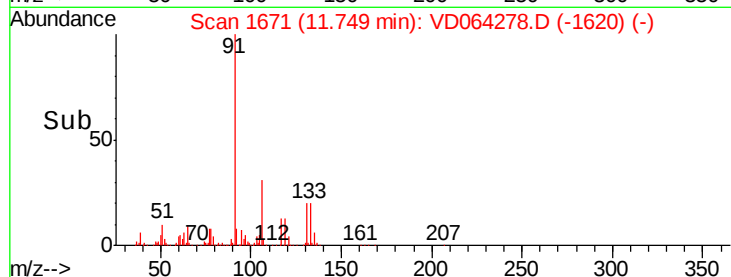
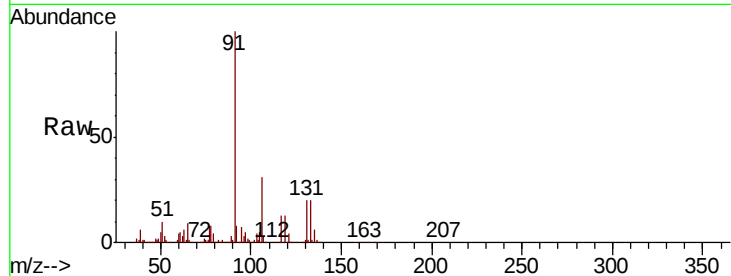
ClientSampled :

Tot Ion: 91 Resp: 1318192

Ion Ratio Lower Upper

91 100

106 31.0 25.5 38.3



#68

m/p-Xylenes

Concen: 102.645 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064278.D

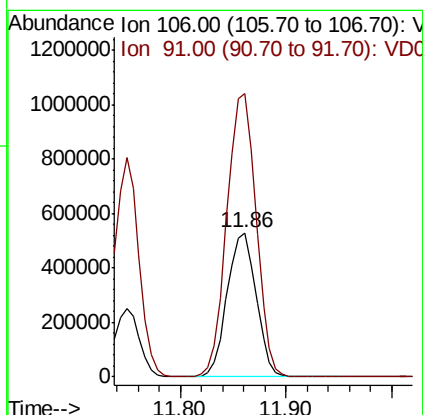
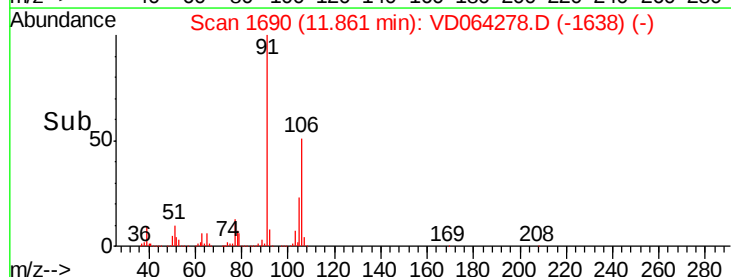
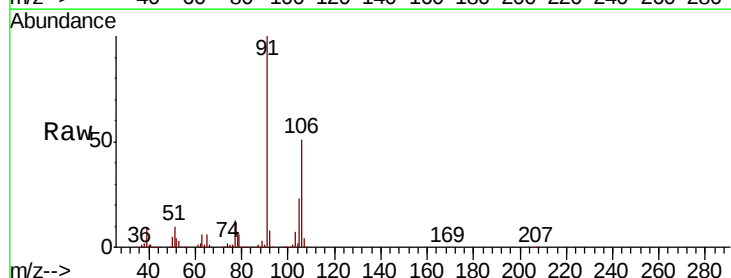
Acq: 18 Nov 2019 21:44

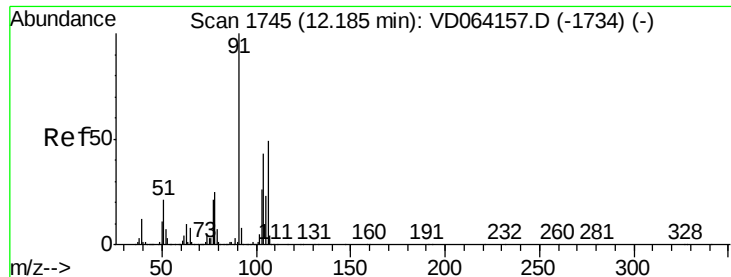
Tgt Ion: 106 Resp: 1007385

Ion Ratio Lower Upper

106 100

91 198.5 160.3 240.5

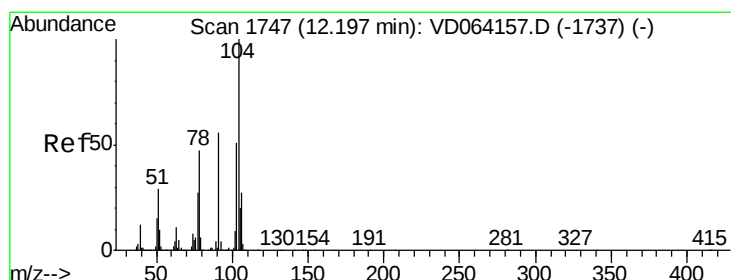
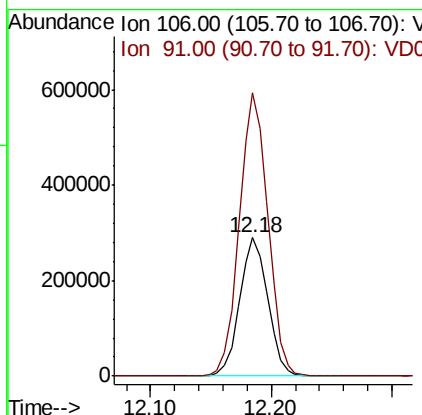
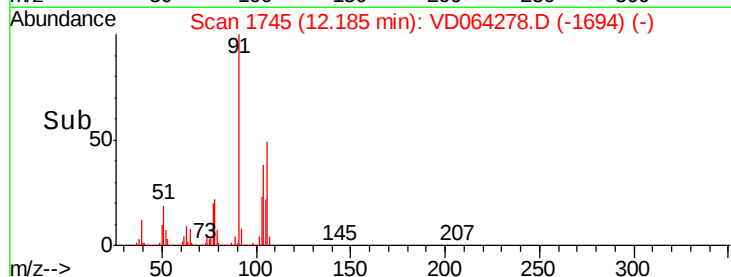
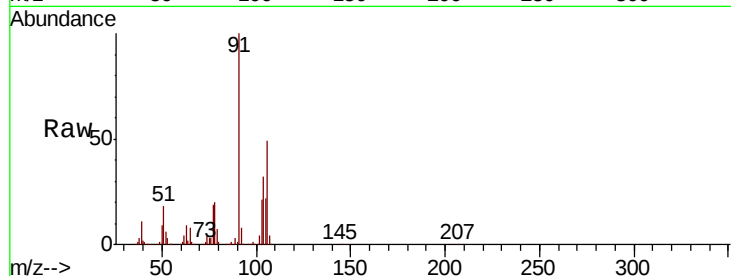




#69
o-Xylene
Concen: 51.840 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

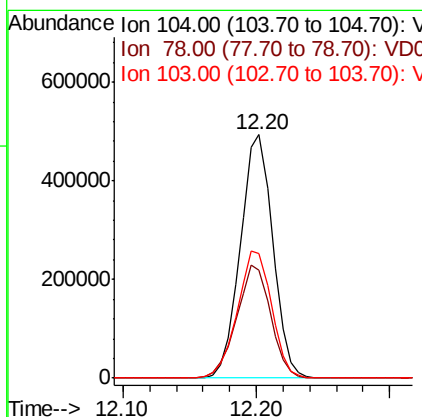
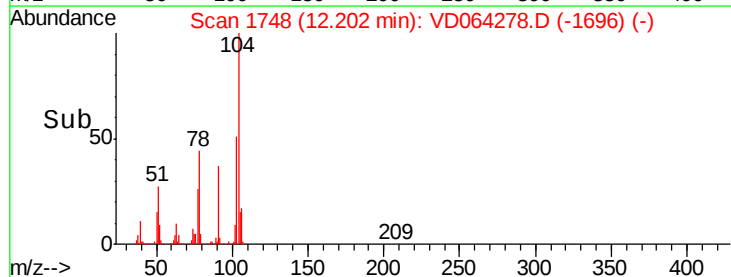
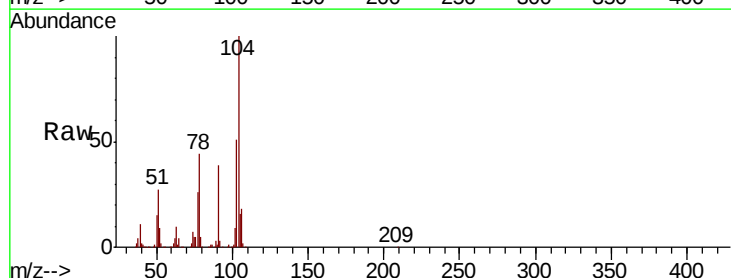
Instrument :
MSVOA_D
ClientSampleId :

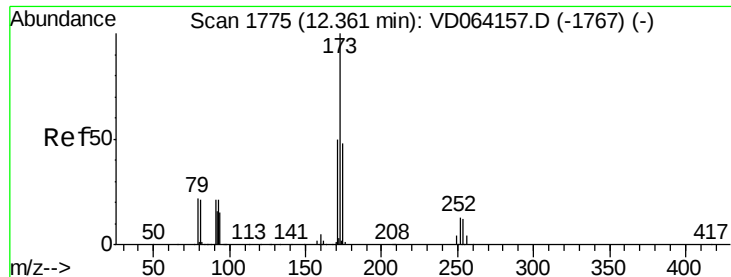
Tot Ion:106 Resp: 471849
Ion Ratio Lower Upper
106 100
91 208.0 105.1 315.3



#70
Styrene
Concen: 52.240 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Tgt Ion:104 Resp: 830010
Ion Ratio Lower Upper
104 100
78 48.9 39.9 59.9
103 55.1 43.4 65.0

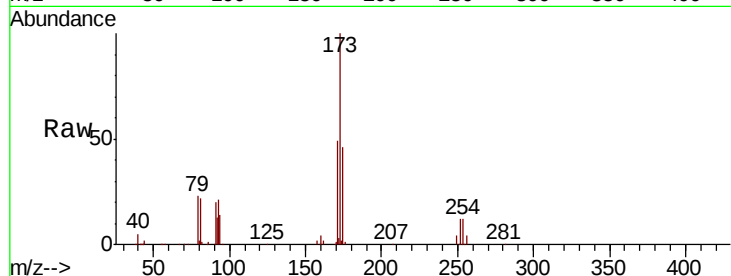




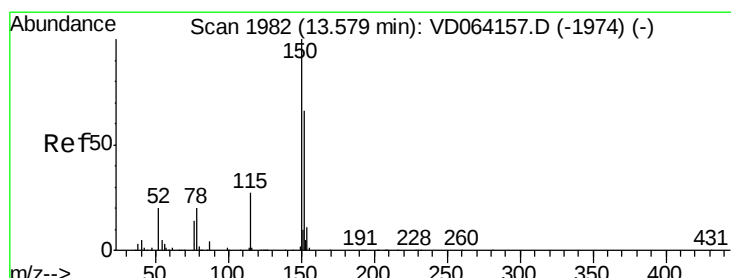
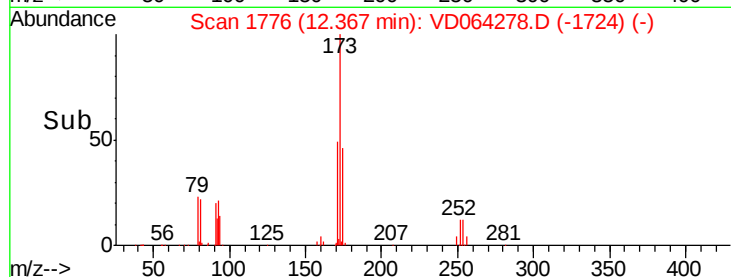
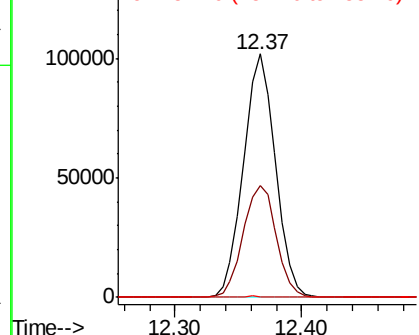
#71
Bromoform
Concen: 58.241 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 178400
Ion Ratio Lower Upper
173 100
175 47.3 24.1 72.3
254 0.2 0.2 0.2

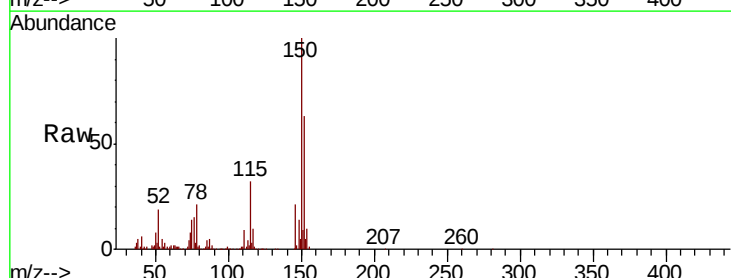


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

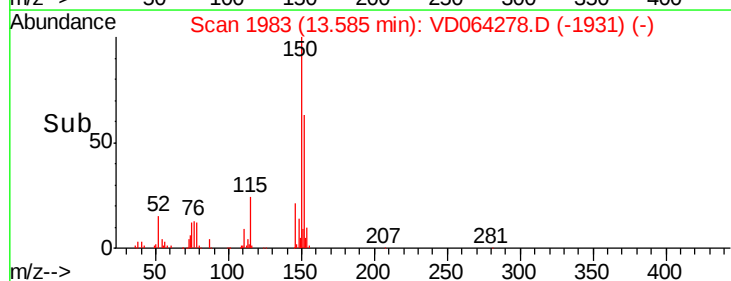
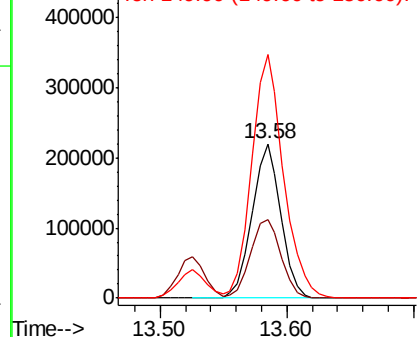


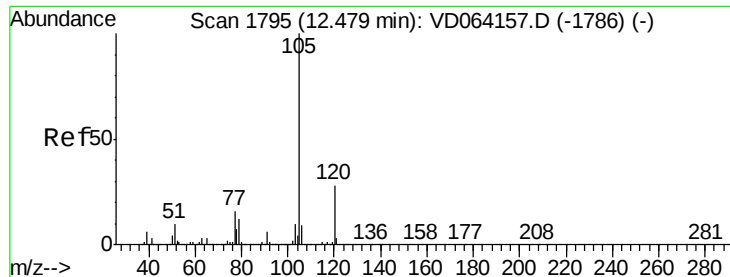
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Tgt Ion:152 Resp: 346104
Ion Ratio Lower Upper
152 100
115 54.3 27.4 82.2
150 175.0 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: 49.905 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

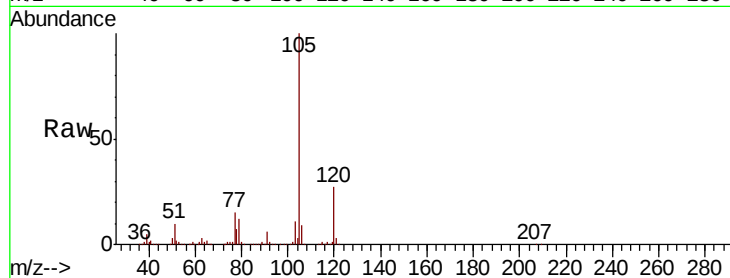
ClientSampled :

Tot Ion:105 Resp: 1267783

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000 12.48

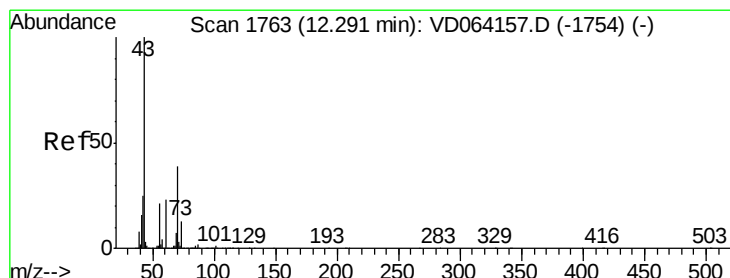
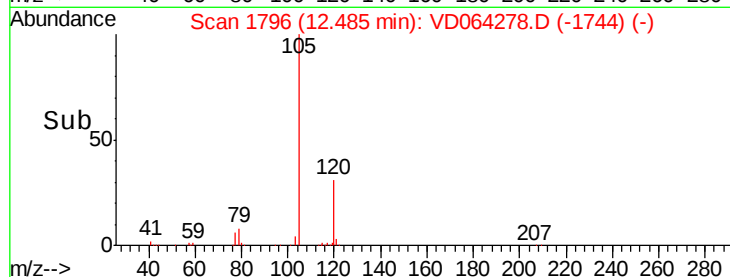
600000

400000

200000

0

Time--> 12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 50.408 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Tgt Ion: 43 Resp: 302401

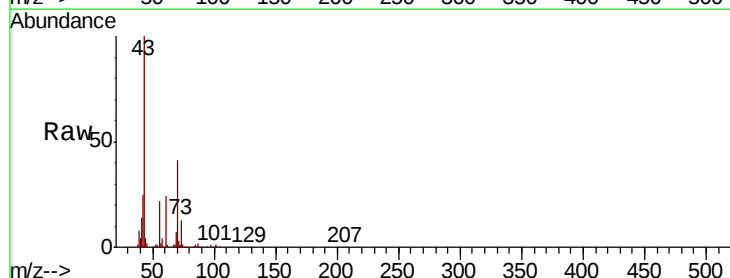
Ion Ratio Lower Upper

43 100

70 41.7 32.4 48.6

55 23.0 17.9 26.9

61 23.4 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

300000 12.30

250000

200000

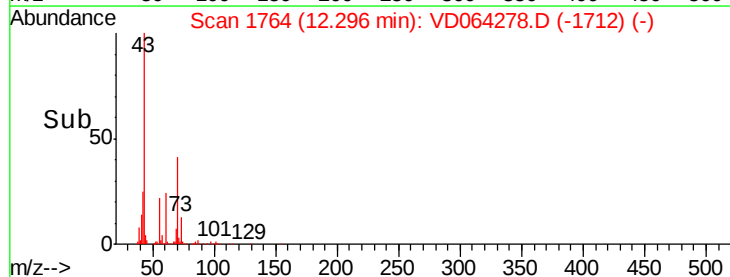
150000

100000

50000

0

Time--> 12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 55.908 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

ClientSampleId :

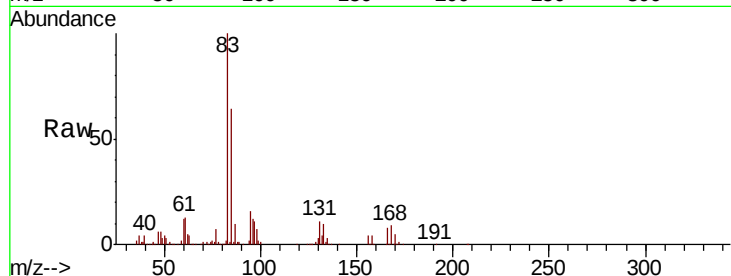
Tot Ion: 83 Resp: 214010

Ion Ratio Lower Upper

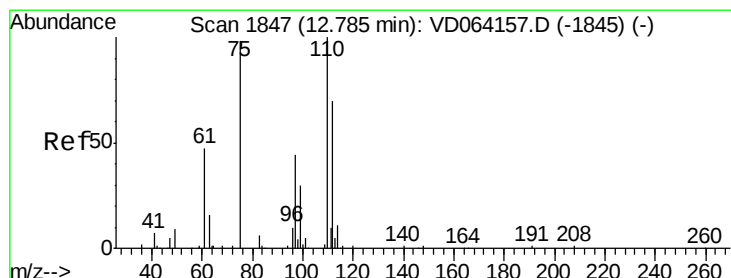
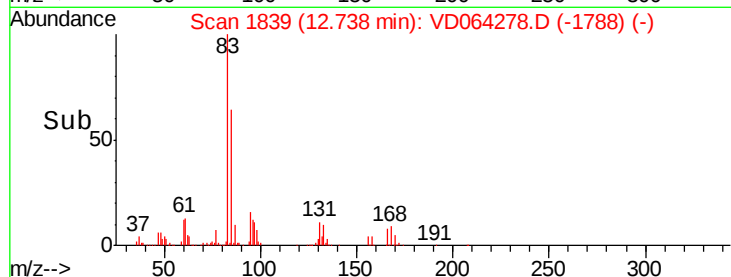
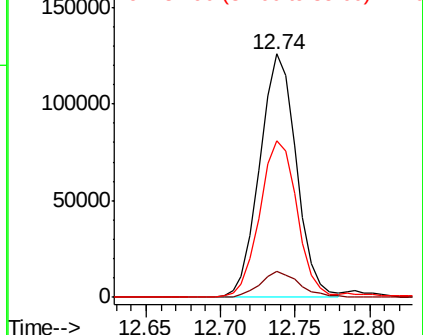
83 100

131 11.5 5.9 17.7

85 65.3 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: 100.256 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064278.D

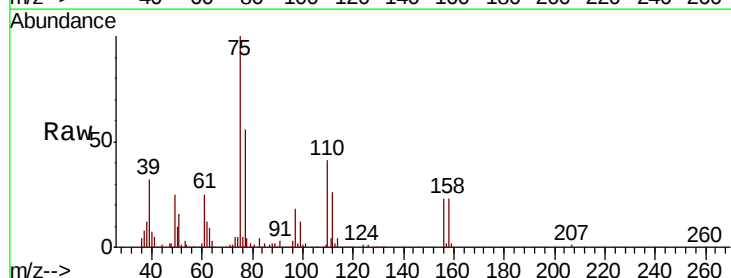
Acq: 18 Nov 2019 21:44

Tgt Ion: 75 Resp: 279490

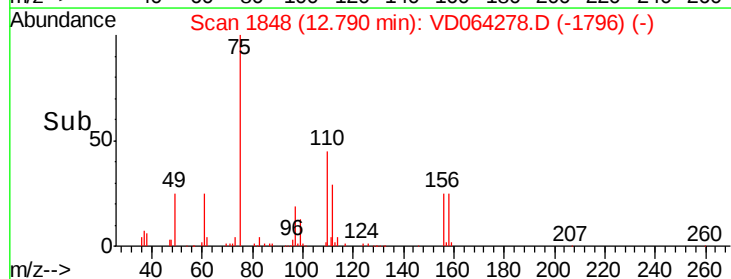
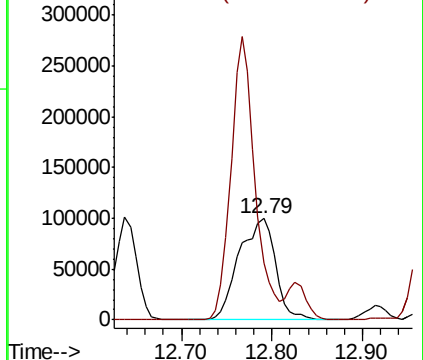
Ion Ratio Lower Upper

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: 53.614 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

ClientSampleId :

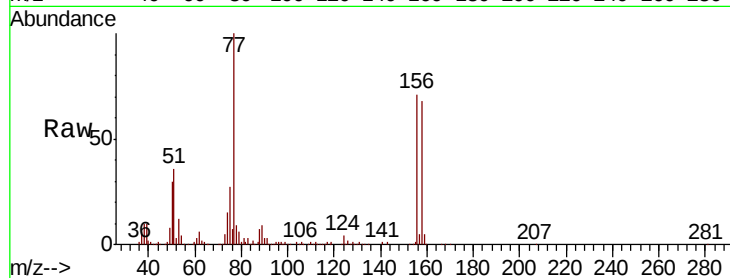
Tot Ion:156 Resp: 330892

Ion Ratio Lower Upper

156 100

77 155.9 81.2 243.4

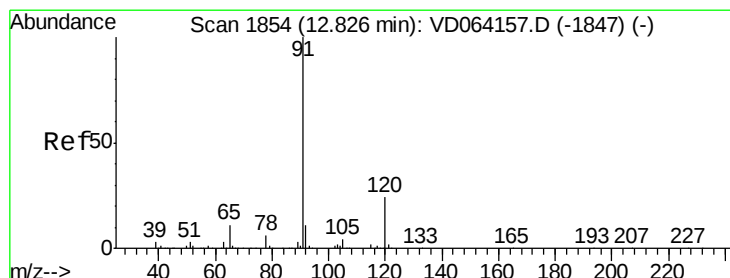
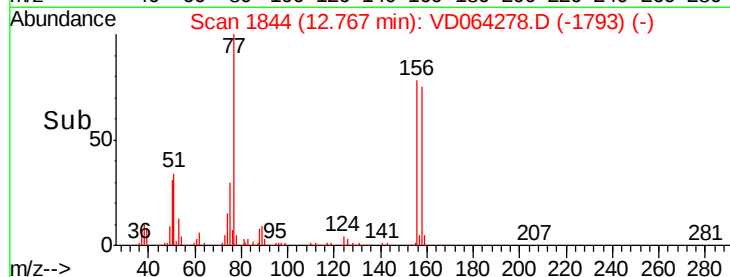
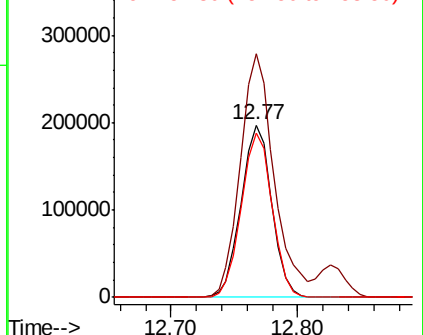
158 96.1 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.860 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064278.D

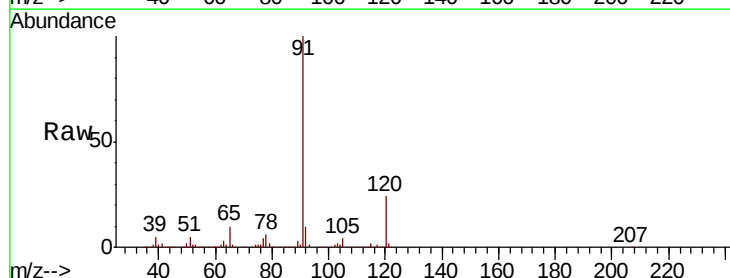
Acq: 18 Nov 2019 21:44

Tgt Ion: 91 Resp: 1447161

Ion Ratio Lower Upper

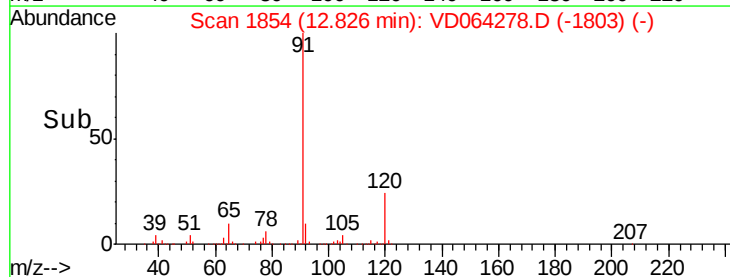
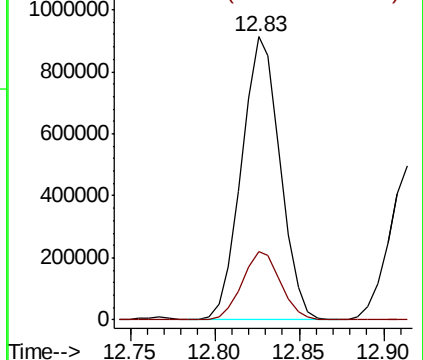
91 100

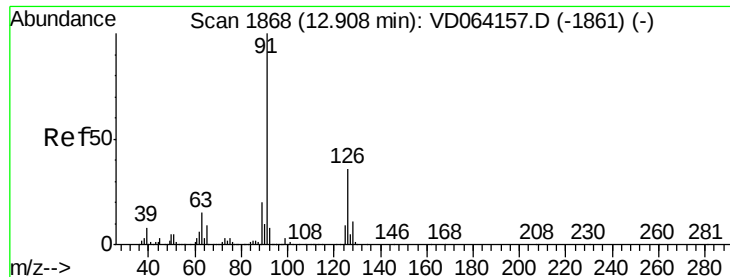
120 24.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

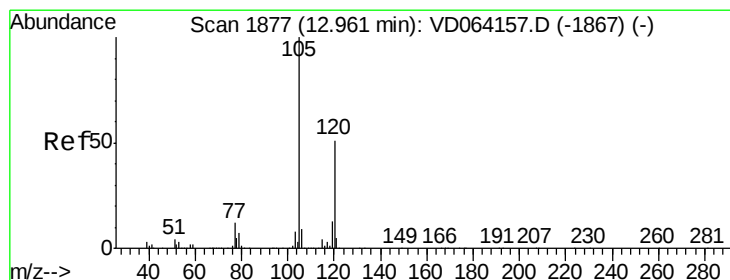
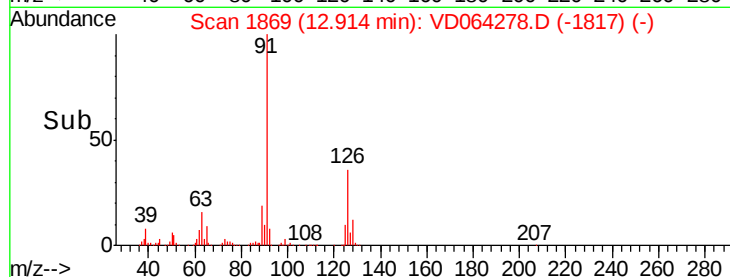
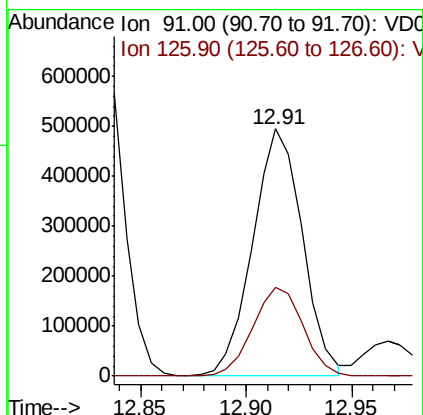
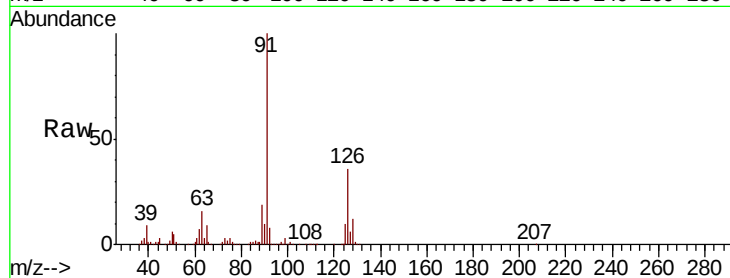




#79
 2-Chlorotoluene
 Concen: 49.414 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD064278.D
 Acq: 18 Nov 2019 21:44

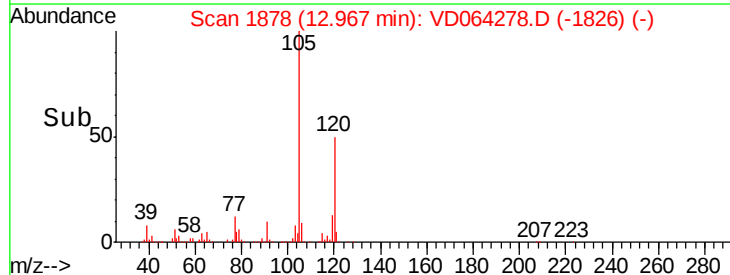
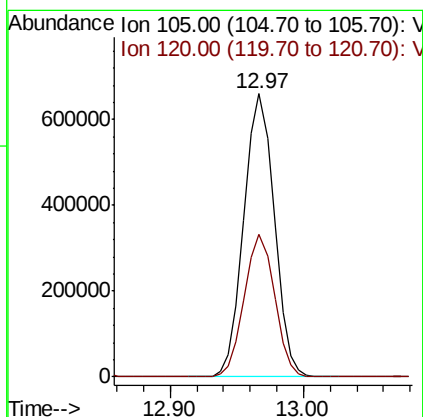
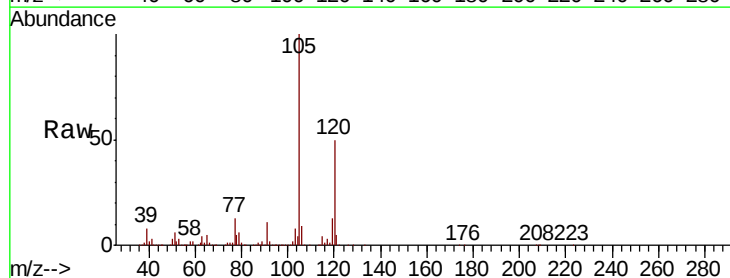
Instrument :
 MSVOA_D
 ClientSampleId :

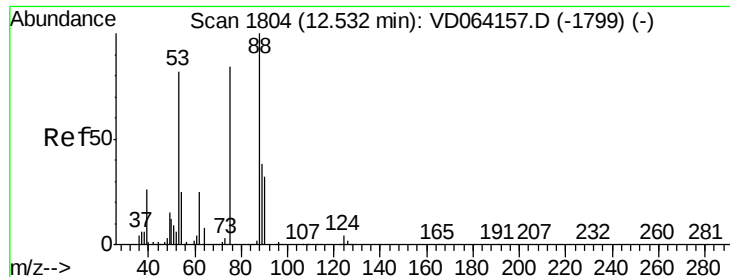
Tot Ion: 91 Resp: 809725
 Ion Ratio Lower Upper
 91 100
 126 36.5 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 50.018 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064278.D
 Acq: 18 Nov 2019 21:44

Tgt Ion: 105 Resp: 1044091
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 49.755 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

ClientSampleId :

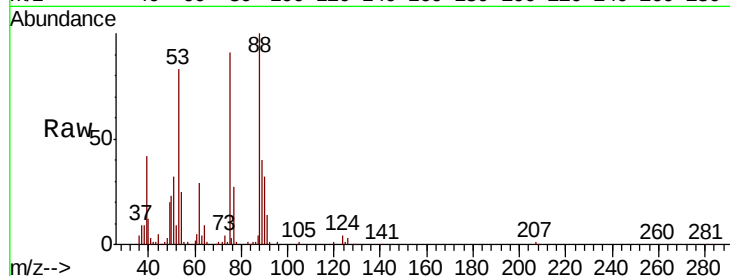
Tot Ion: 75 Resp: 69827

Ion Ratio Lower Upper

75 100

53 95.3 79.4 119.0

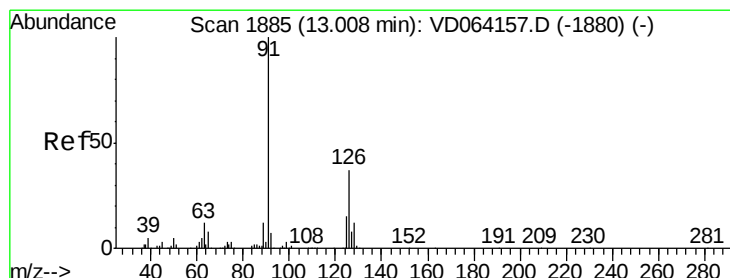
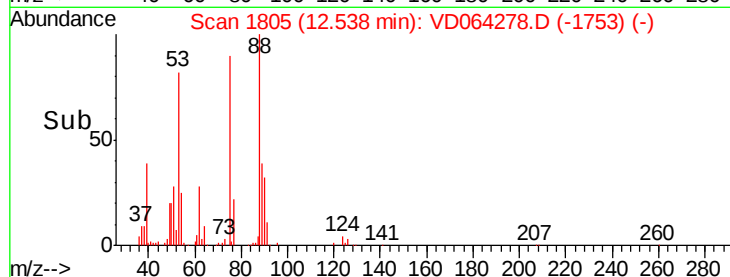
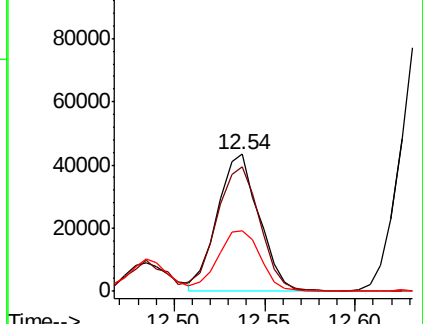
89 45.1 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.820 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064278.D

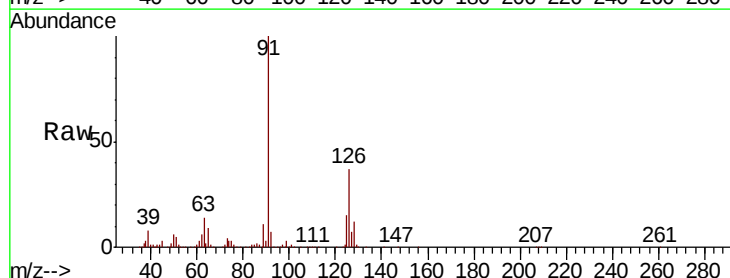
Acq: 18 Nov 2019 21:44

Tgt Ion: 91 Resp: 851493

Ion Ratio Lower Upper

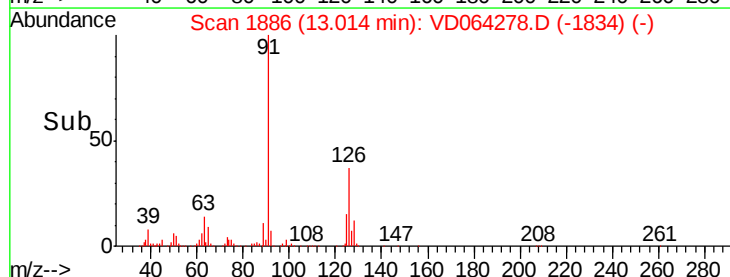
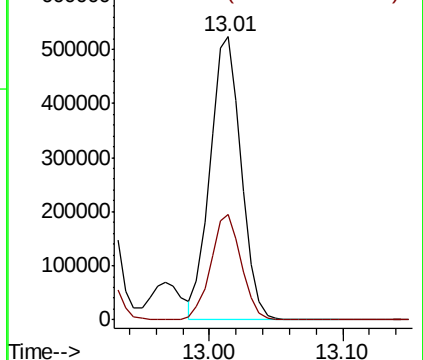
91 100

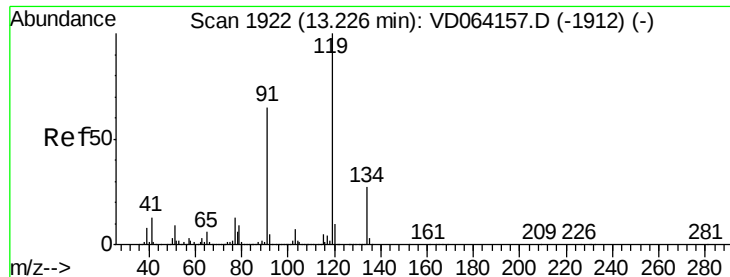
126 36.5 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 48.958 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

ClientSampleId :

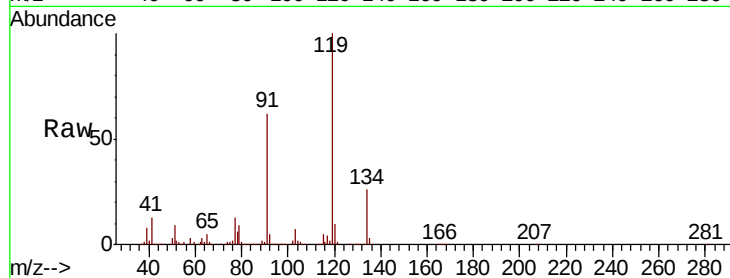
Tot Ion:119 Resp: 901149

Ion Ratio Lower Upper

119 100

91 63.3 31.8 95.4

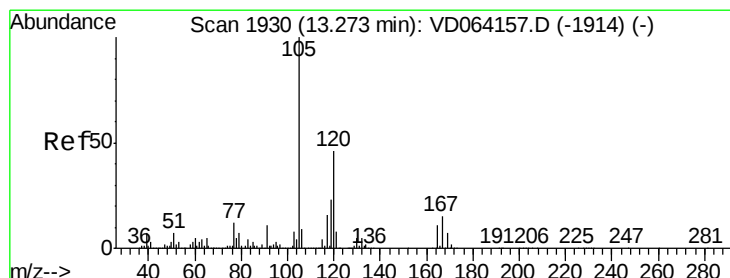
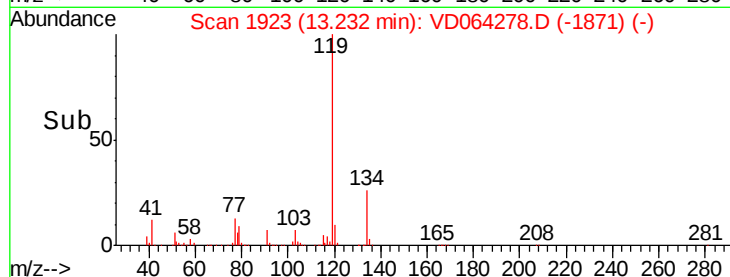
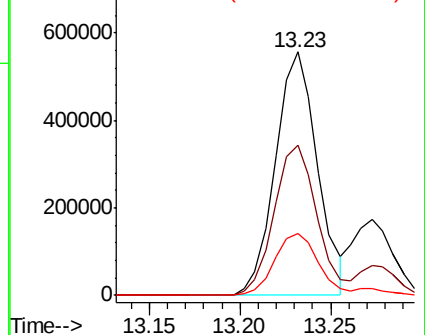
134 26.4 13.7 41.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.760 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD064278.D

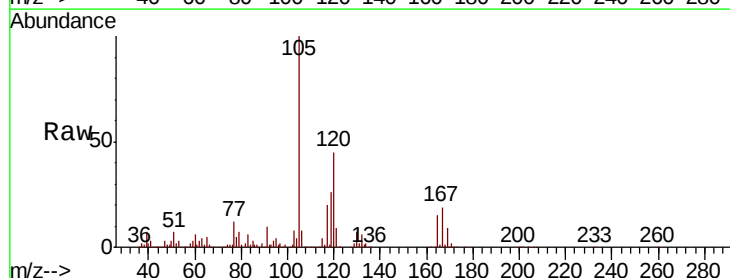
Acq: 18 Nov 2019 21:44

Tgt Ion:105 Resp: 1046082

Ion Ratio Lower Upper

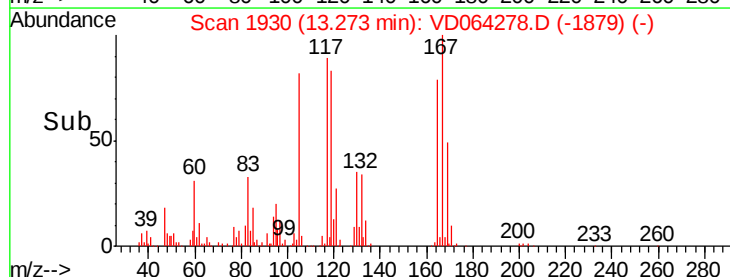
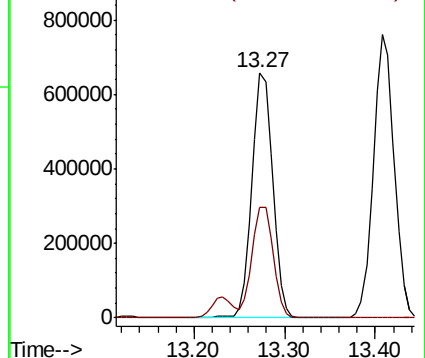
105 100

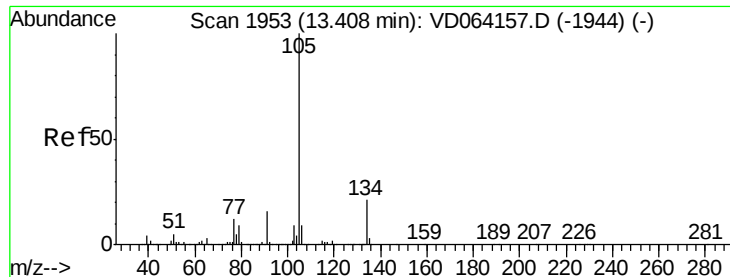
120 46.0 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.171 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

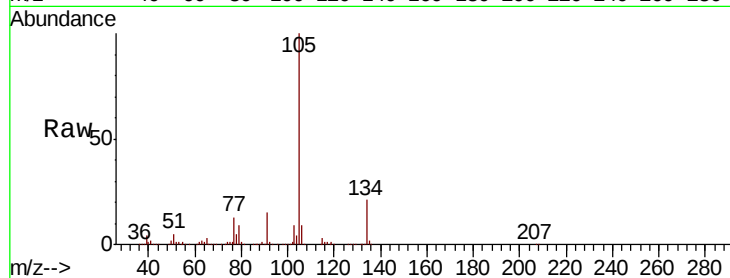
ClientSampleId :

Tot Ion:105 Resp: 1215584

Ion Ratio Lower Upper

105 100

134 21.1 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

200000

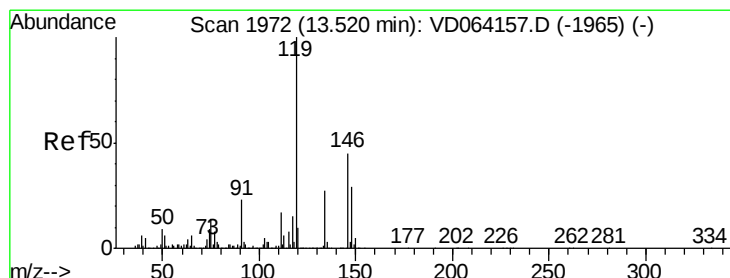
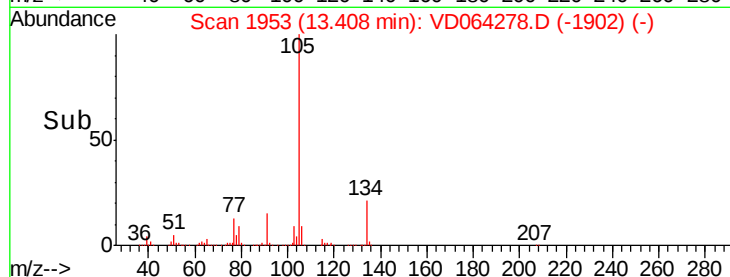
0

13.41

13.40

13.50

Time-->



#86

p-Isopropyltoluene

Concen: 48.828 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

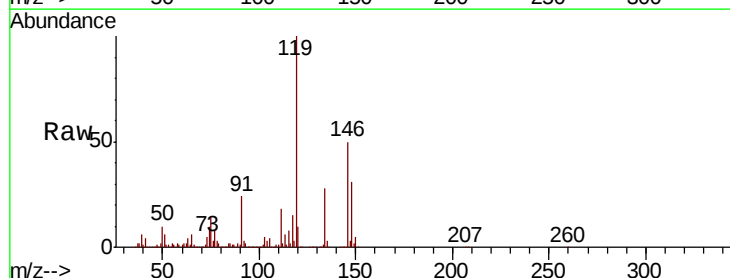
Tgt Ion:119 Resp: 1147607

Ion Ratio Lower Upper

119 100

134 27.6 13.5 40.5

91 23.0 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

400000

200000

0

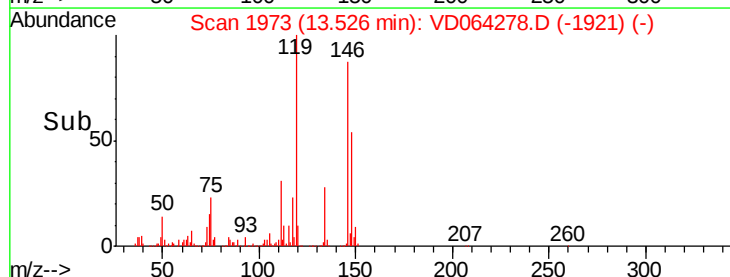
13.53

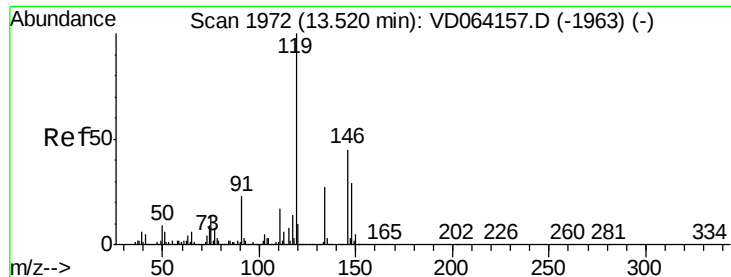
13.45

13.55

13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 52.794 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

ClientSampleId :

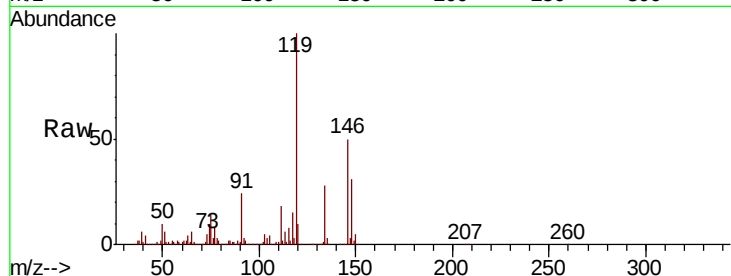
Tot Ion:146 Resp: 604838

Ion Ratio Lower Upper

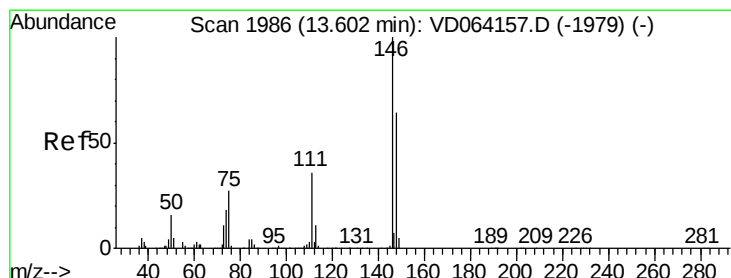
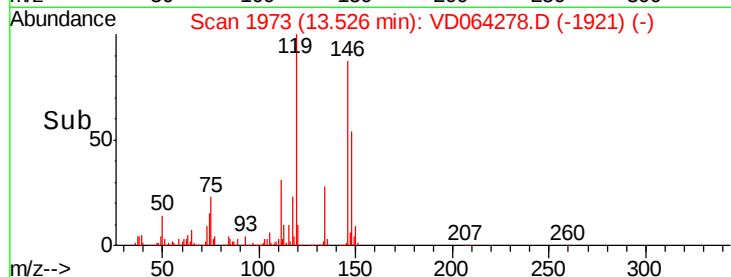
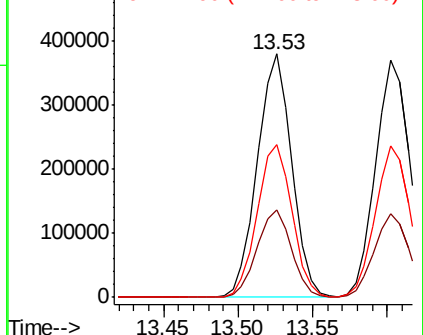
146 100

111 36.1 18.9 56.9

148 63.5 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 52.868 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

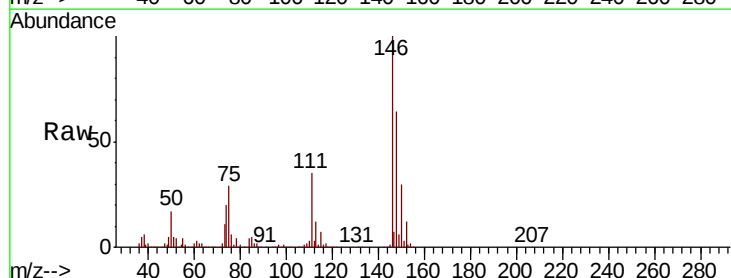
Tgt Ion:146 Resp: 591134

Ion Ratio Lower Upper

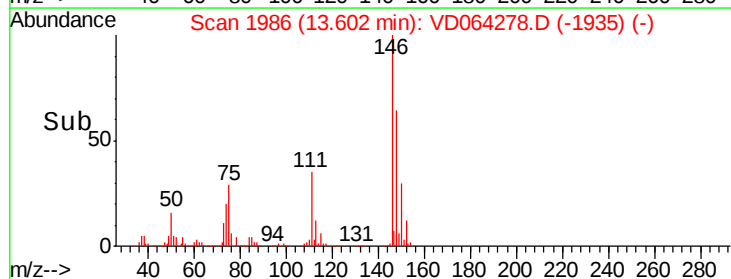
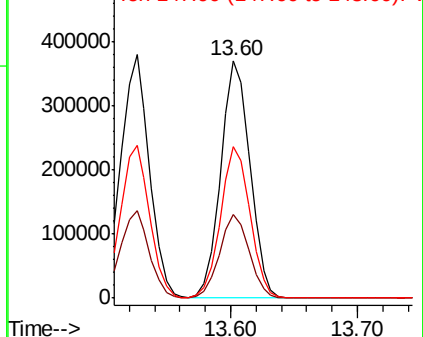
146 100

111 35.8 18.1 54.4

148 64.1 31.9 95.7



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

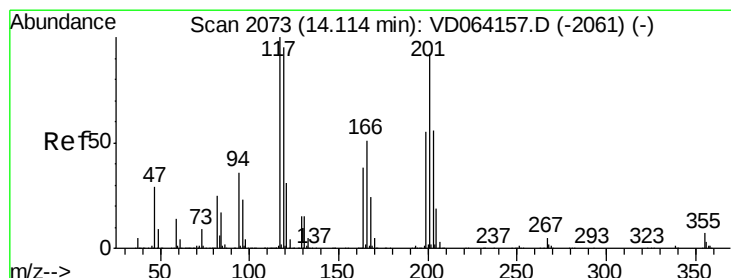
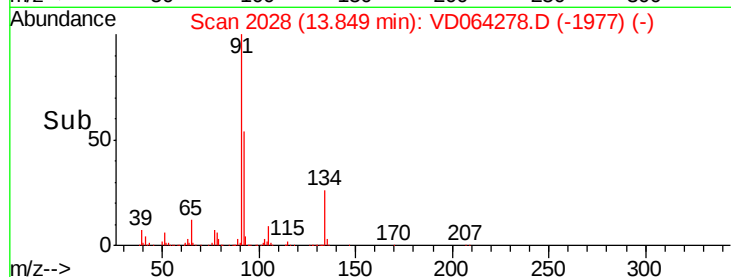
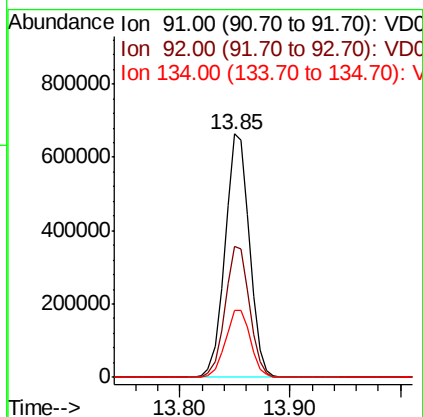
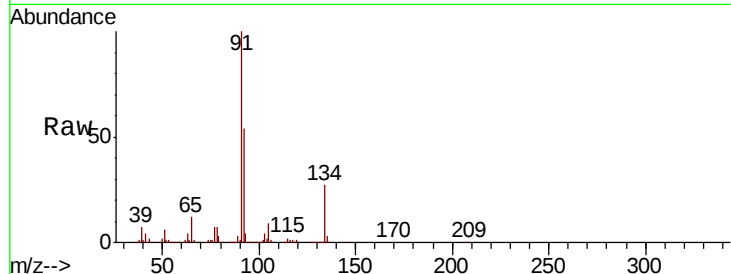




#89
n-Butylbenzene
Concen: 48.252 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

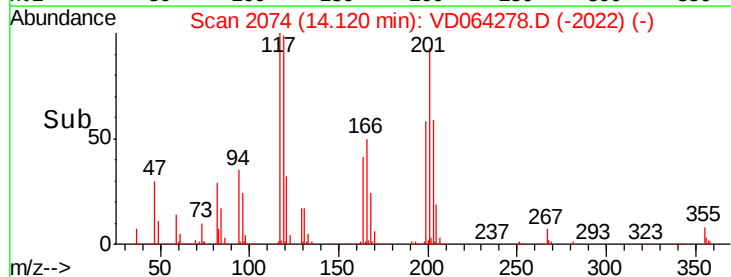
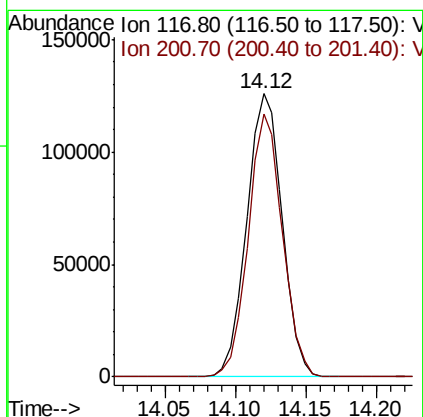
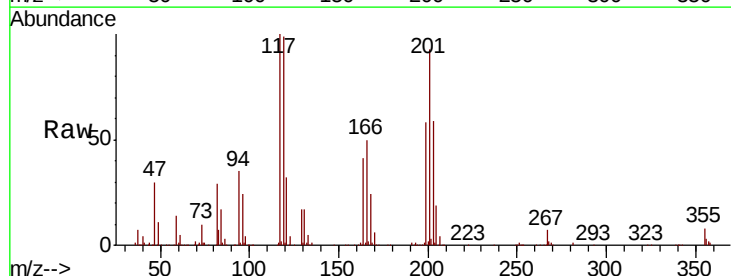
Instrument :
MSVOA_D
ClientSampled :

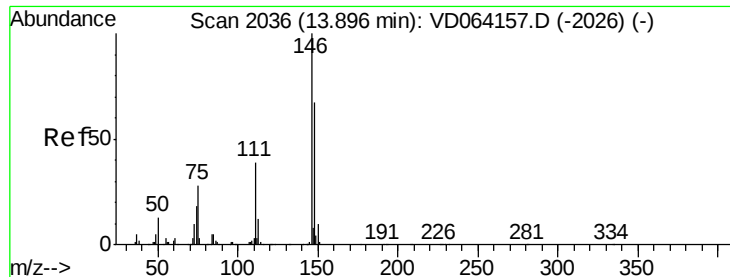
Tot Ion: 91 Resp: 1024571
Ion Ratio Lower Upper
91 100
92 53.7 27.3 81.8
134 28.2 14.1 42.4



#90
Hexachloroethane
Concen: 51.026 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064278.D
Acq: 18 Nov 2019 21:44

Tgt Ion: 117 Resp: 221634
Ion Ratio Lower Upper
117 100
201 89.7 45.8 137.4





#91

1,2-Dichlorobenzene

Concen: 54.065 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

ClientSampleId :

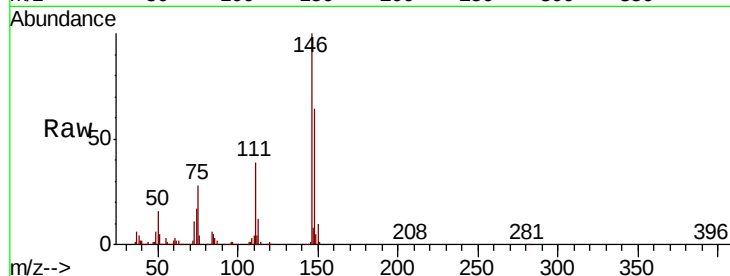
Tot Ion:146 Resp: 524260

Ion Ratio Lower Upper

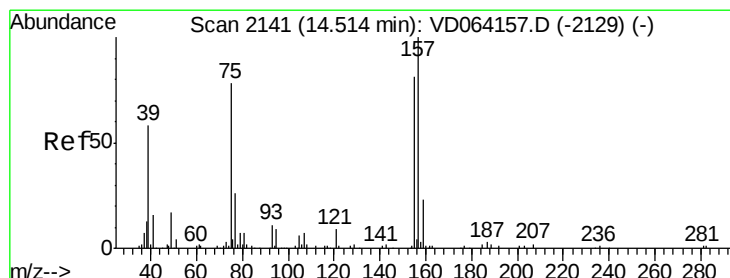
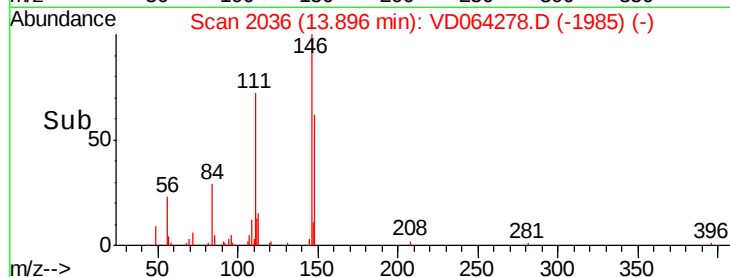
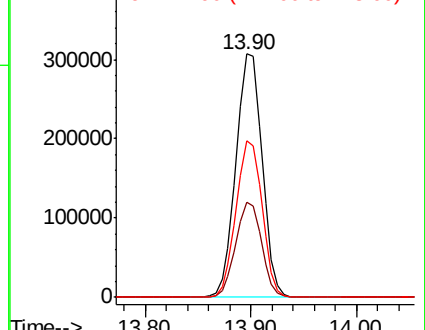
146 100

111 38.5 19.7 59.0

148 64.4 32.3 96.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.865 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

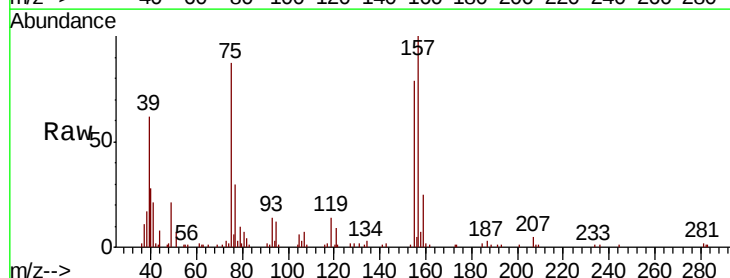
Tgt Ion: 75 Resp: 34812

Ion Ratio Lower Upper

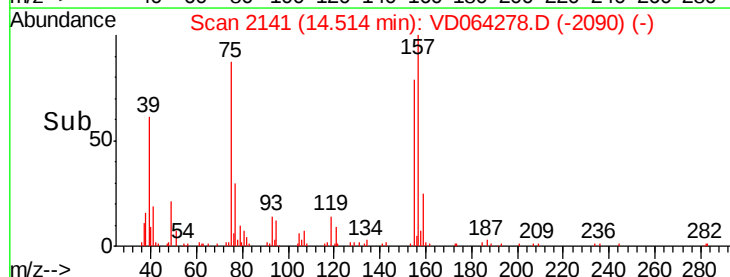
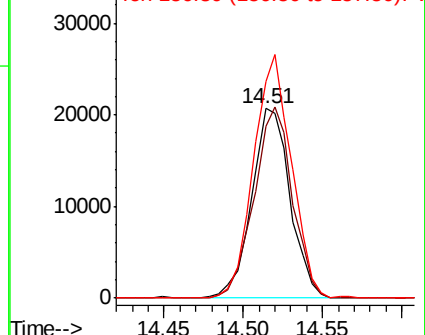
75 100

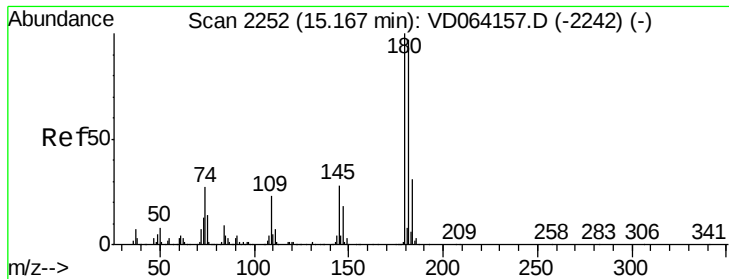
155 101.2 48.0 144.0

157 126.8 61.5 184.4



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

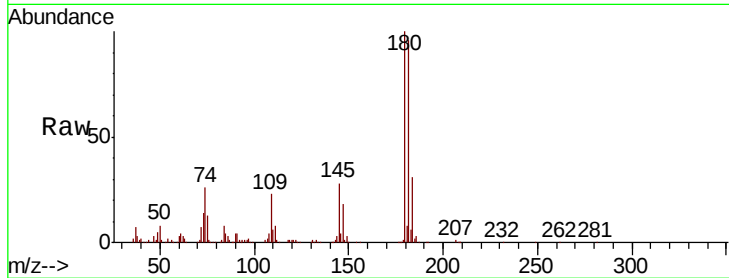




#93
 1,2,4-Trichlorobenzene
 Concen: 53.430 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064278.D
 Acq: 18 Nov 2019 21:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.5	142.5
145	28.2	14.2	42.6

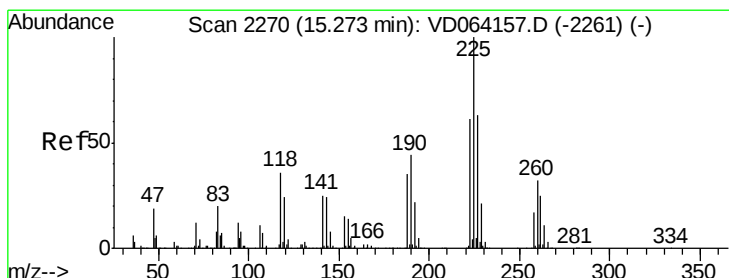
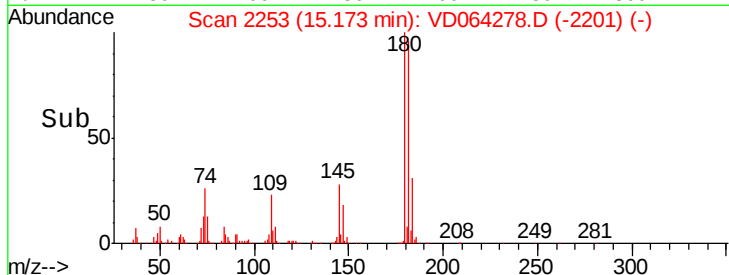
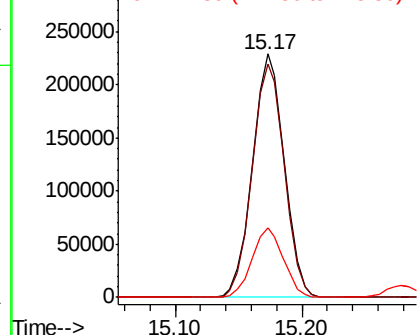


Abundance

Ion 179.80 (179.50 to 180.50): V

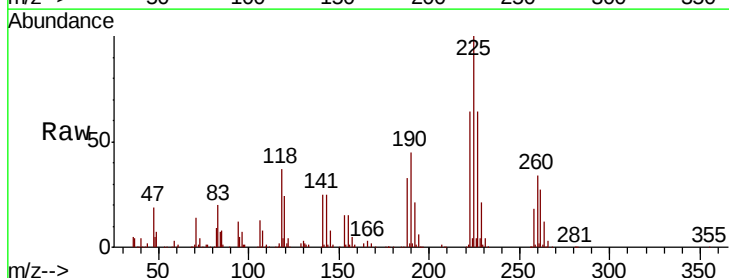
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 50.433 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064278.D
 Acq: 18 Nov 2019 21:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.1	93.3
227	63.2	31.5	94.5

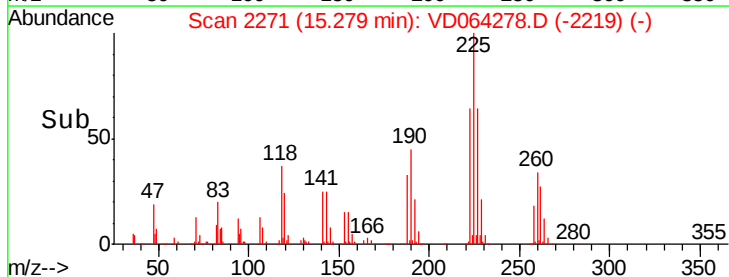
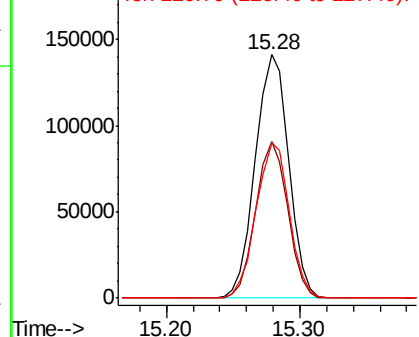


Abundance

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: 55.622 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

Instrument :

MSVOA_D

ClientSampleId :

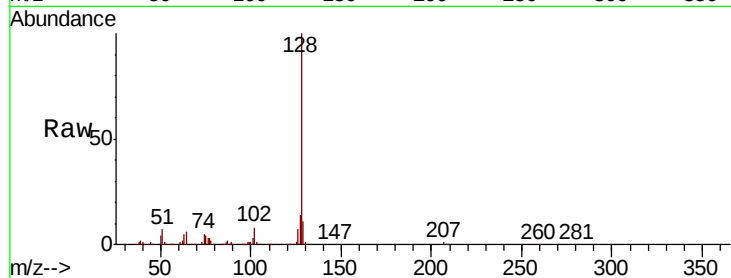
Tot Ion:128 Resp: 682029

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

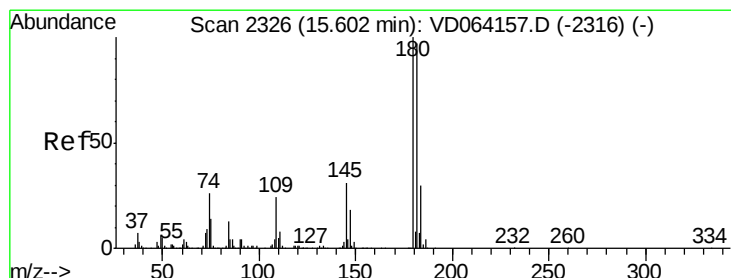
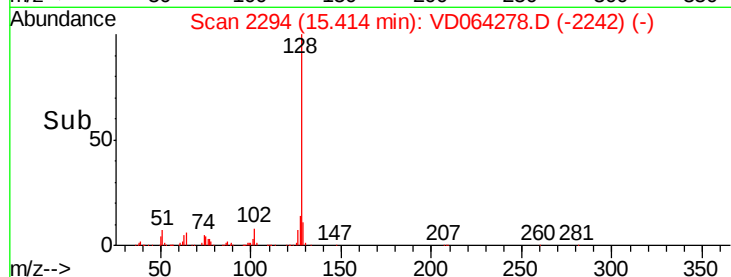
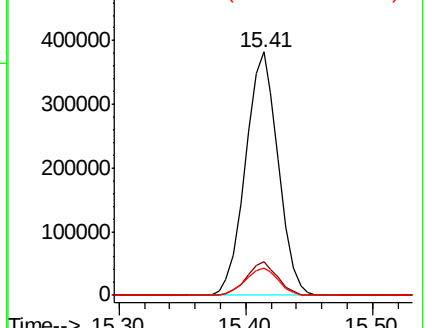
129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.526 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064278.D

Acq: 18 Nov 2019 21:44

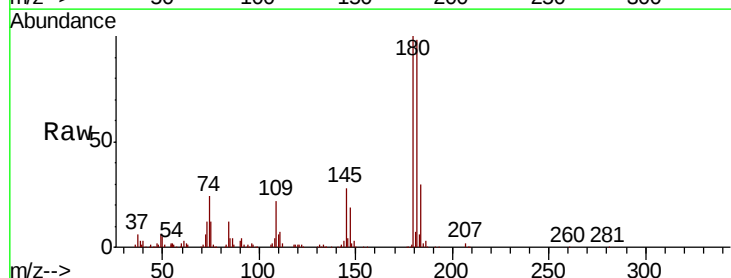
Tgt Ion:180 Resp: 346704

Ion Ratio Lower Upper

180 100

182 95.2 48.3 144.9

145 29.8 15.3 45.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

