

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064242.D
 Acq On : 16 Nov 2019 00:07
 Operator : VA/SY
 Sample : VD1115SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 18 00:42:27 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	570483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	821490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	729747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	354032	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	232988	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	7.92	113	232003	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	10.34	98	856161	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	12.64	95	286957	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	83972	17.748	ug/l	93
3) Chloromethane	2.21	50	101577	20.015	ug/l	97
4) Vinyl Chloride	2.35	62	119154	21.955	ug/l	99
5) Bromomethane	2.76	94	85790	25.034	ug/l	96
6) Chloroethane	2.92	64	82849	23.891	ug/l	97
7) Trichlorofluoromethane	3.27	101	210613	23.936	ug/l	99
8) Diethyl Ether	3.71	74	47140	19.484	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	95355	18.961	ug/l	100
10) Methyl Iodide	4.29	142	98242	18.449	ug/l	99
11) Tert butyl alcohol	5.26	59	32010	97.679	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	92695	19.337	ug/l	97
13) Acrolein	3.93	56	21977	79.273	ug/l	95
14) Allyl chloride	4.71	41	150976	17.813	ug/l	98
15) Acrylonitrile	5.43	53	110577	107.210	ug/l	98
16) Acetone	4.17	43	83669	75.275	ug/l	99
17) Carbon Disulfide	4.40	76	274194	18.367	ug/l	98
18) Methyl Acetate	4.73	43	65355	21.052	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	224153	19.587	ug/l	97
20) Methylene Chloride	4.97	84	111224	19.810	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	105117	19.355	ug/l	93
22) Diisopropyl ether	6.37	45	291783	18.554	ug/l	98
23) Vinyl Acetate	6.31	43	870088	99.258	ug/l	99
24) 1,1-Dichloroethane	6.26	63	177386	19.427	ug/l	99
25) 2-Butanone	7.23	43	142062	98.928	ug/l	95
26) 2,2-Dichloropropane	7.21	77	150374	16.793	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	117283	20.137	ug/l	93
28) Bromochloromethane	7.55	49	52477	16.508	ug/l	95
29) Tetrahydrofuran	7.57	42	92207	106.871	ug/l	95
30) Chloroform	7.71	83	196440	21.032	ug/l	98
31) Cyclohexane	7.98	56	162996	17.700	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	170570	19.073	ug/l	99
36) 1,1-Dichloropropene	8.11	75	139941	18.458	ug/l	99
37) Ethyl Acetate	7.30	43	65471	20.484	ug/l	97
38) Carbon Tetrachloride	8.10	117	151129	18.629	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064242.D
 Acq On : 16 Nov 2019 00:07
 Operator : VA/SY
 Sample : VD1115SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 18 00:42:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	172512	17.982	ug/l	96
40) Benzene	8.36	78	394197	19.024	ug/l	98
41) Methacrylonitrile	7.53	41	35442	17.642	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	121670	19.551	ug/l	99
43) Isopropyl Acetate	8.46	43	127179	19.312	ug/l	98
44) Trichloroethene	9.11	130	118905	19.120	ug/l	100
45) 1,2-Dichloropropane	9.39	63	96417	19.117	ug/l	98
46) Dibromomethane	9.48	93	54971	20.360	ug/l	99
47) Bromodichloromethane	9.67	83	139071	19.122	ug/l	100
48) Methyl methacrylate	9.46	41	61904	19.224	ug/l	94
49) 1,4-Dioxane	9.47	88	14534	448.206	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	325580	103.095	ug/l	100
52) Toluene	10.41	92	256061	18.793	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	135333	18.574	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	158768	18.673	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	73852	20.163	ug/l	98
56) Ethyl methacrylate	10.67	69	102808	20.065	ug/l	95
57) 1,3-Dichloropropane	10.95	76	129915	20.338	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	209560	100.969	ug/l	99
59) 2-Hexanone	10.99	43	218784	97.376	ug/l	97
60) Dibromochloromethane	11.14	129	102109	19.979	ug/l	100
61) 1,2-Dibromoethane	11.25	107	76541	20.864	ug/l	98
64) Tetrachloroethene	10.88	164	103783	18.492	ug/l	96
65) Chlorobenzene	11.67	112	280959	18.933	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	107317	19.019	ug/l	98
67) Ethyl Benzene	11.75	91	499163	18.596	ug/l	99
68) m/p-Xylenes	11.85	106	374739	36.423	ug/l	99
69) o-Xylene	12.18	106	175628	18.406	ug/l	99
70) Styrene	12.20	104	308738	18.536	ug/l	99
71) Bromoform	12.37	173	63926	19.907	ug/l #	99
73) Isopropylbenzene	12.48	105	474085	18.244	ug/l	100
74) N-amyl acetate	12.30	43	113583	18.510	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	81005	20.688	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	105480	36.990	ug/l #	100
77) Bromobenzene	12.77	156	118568	18.781	ug/l	98
78) n-propylbenzene	12.83	91	551400	18.572	ug/l	100
79) 2-Chlorotoluene	12.91	91	303467	18.105	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	384108	17.989	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	25708	17.908	ug/l	98
82) 4-Chlorotoluene	13.01	91	311667	17.827	ug/l	99
83) tert-Butylbenzene	13.23	119	345136	18.331	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	382492	18.144	ug/l	97
85) sec-Butylbenzene	13.41	105	458545	18.133	ug/l	100
86) p-Isopropyltoluene	13.52	119	429896	17.882	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	217734	18.580	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	214828	18.783	ug/l	98
89) n-Butylbenzene	13.85	91	384151	17.686	ug/l	99
90) Hexachloroethane	14.12	117	80952	18.220	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	190272	19.183	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14247	20.350	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
Data File : VD064242.D
Acq On : 16 Nov 2019 00:07
Operator : VA/SY
Sample : VD1115SBS02
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 31 Sample Multiplier: 1

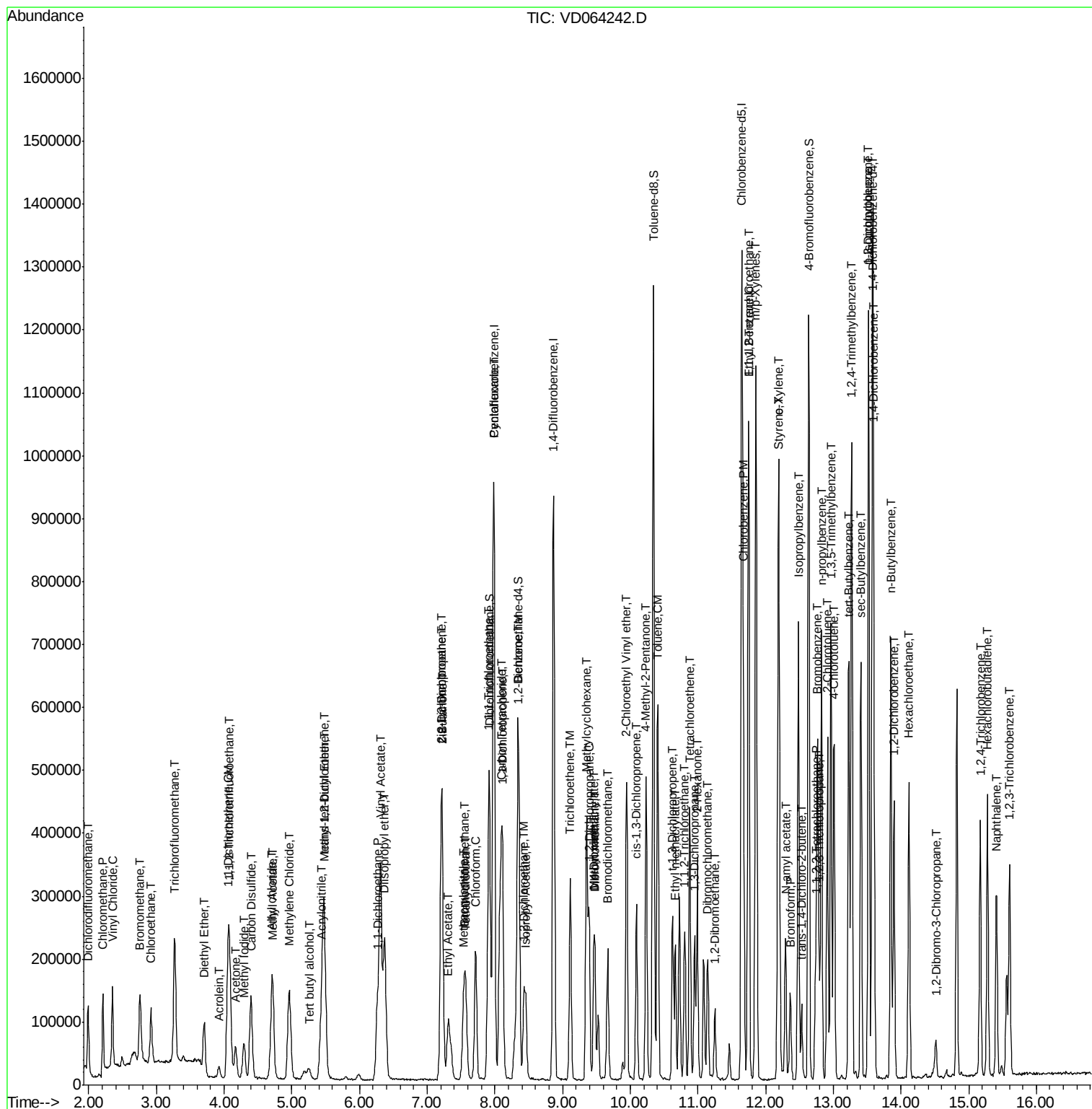
Instrument :
MSVOA_D
ClientSampleId :

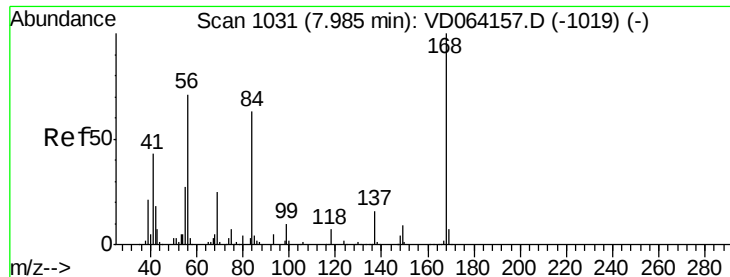
Quant Time: Nov 18 00:42:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	139656	18.252	ug/l	98
94) Hexachlorobutadiene	15.28	225	92491	18.715	ug/l	100
95) Naphthalene	15.41	128	262828	20.954	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	125150	19.242	ug/l	98

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

Quant Time: Nov 18 00:42:27 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

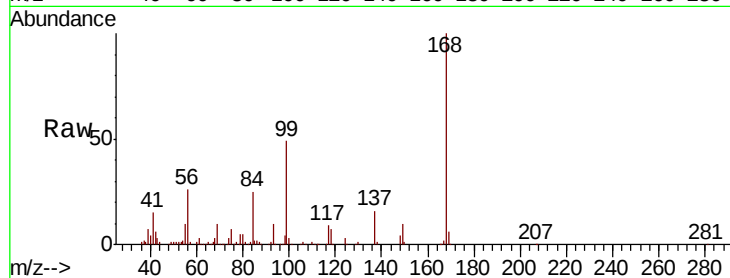
ClientSampleId :

Tot Ion:168 Resp: 570483

Ion Ratio Lower Upper

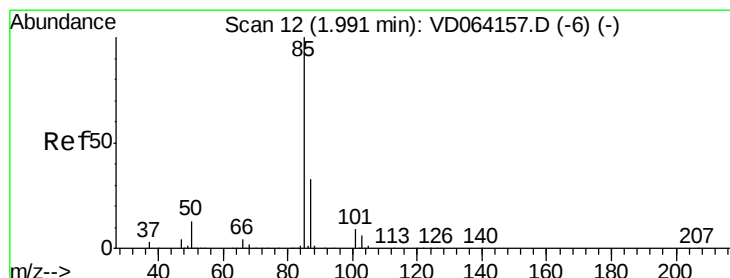
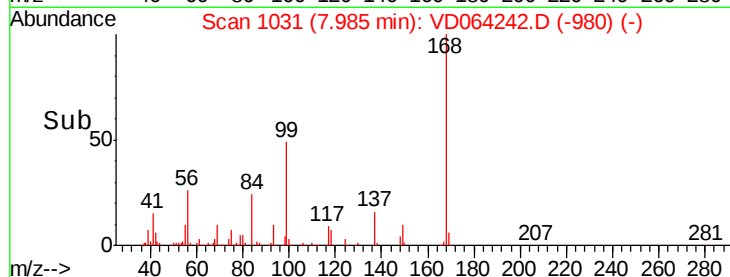
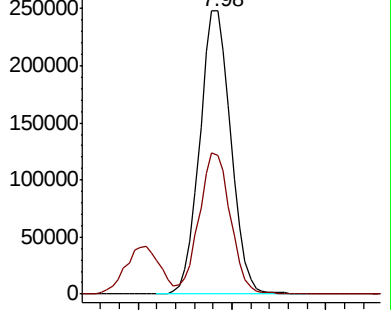
168 100

99 48.8 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: 17.748 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064242.D

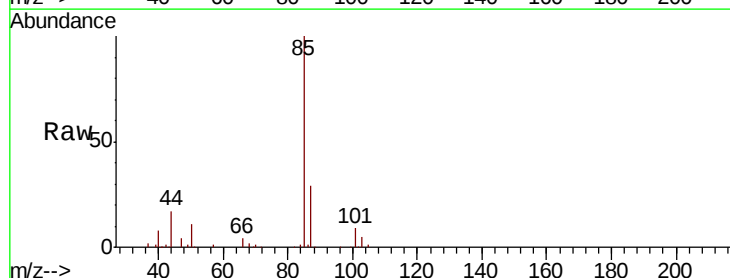
Acq: 16 Nov 2019 00:07

Tgt Ion: 85 Resp: 83972

Ion Ratio Lower Upper

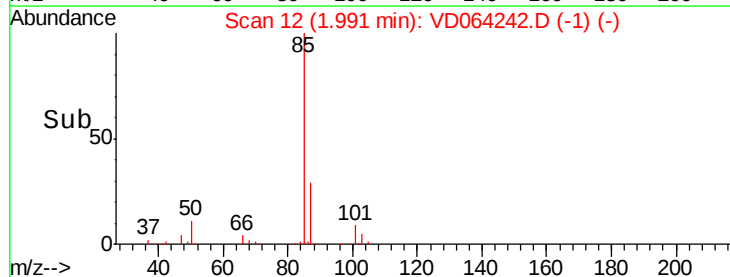
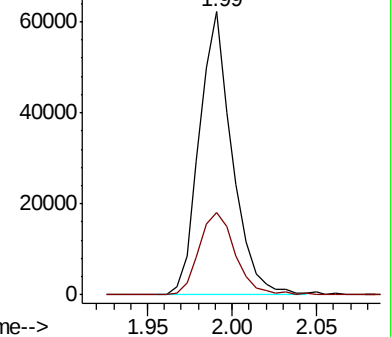
85 100

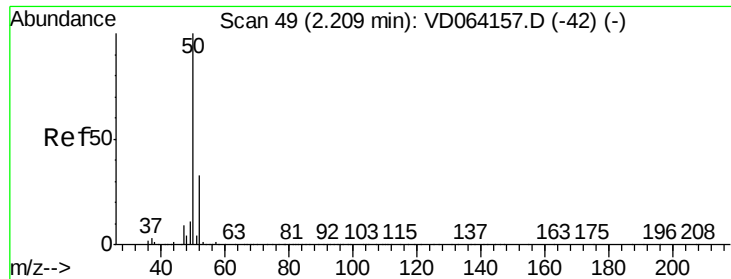
87 29.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.015 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

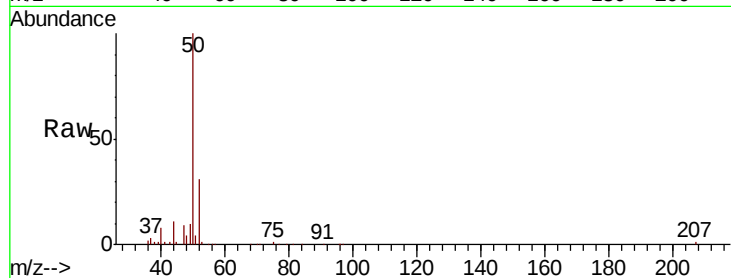
ClientSampleId :

Tot Ion: 50 Resp: 101577

Ion Ratio Lower Upper

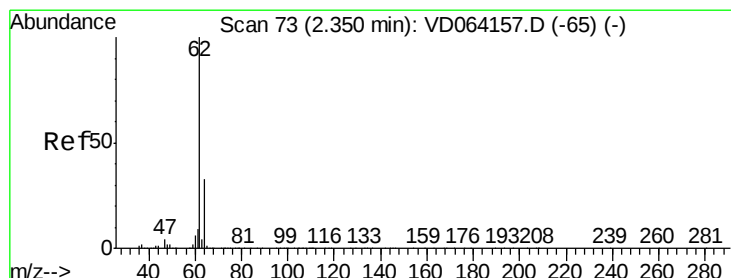
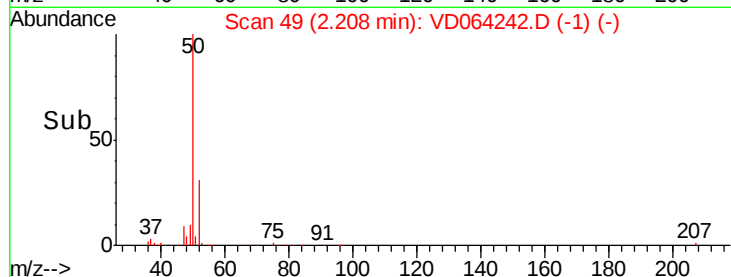
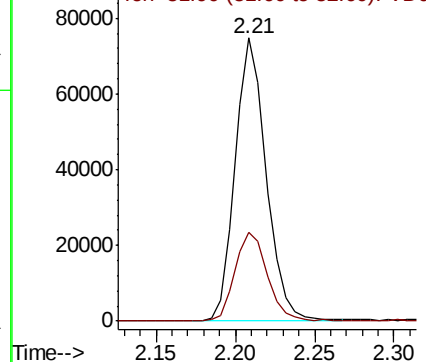
50 100

52 31.2 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: 21.955 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064242.D

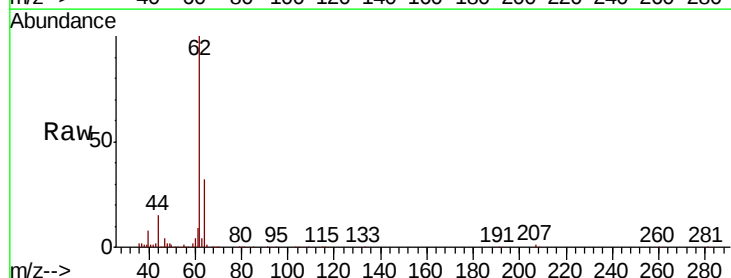
Acq: 16 Nov 2019 00:07

Tgt Ion: 62 Resp: 119154

Ion Ratio Lower Upper

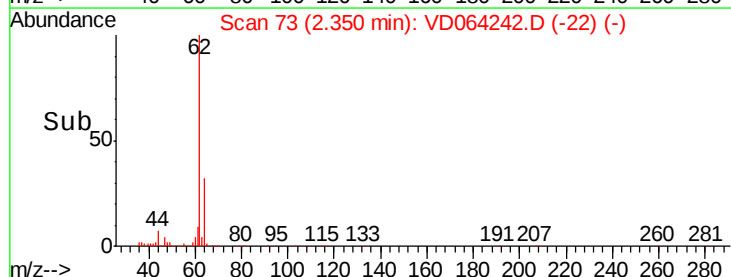
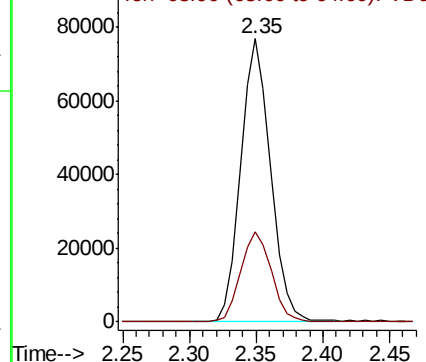
62 100

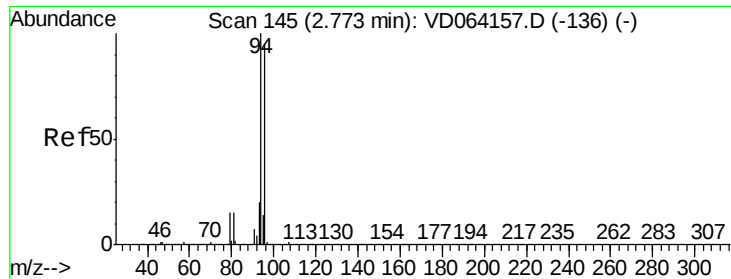
64 32.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 25.034 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

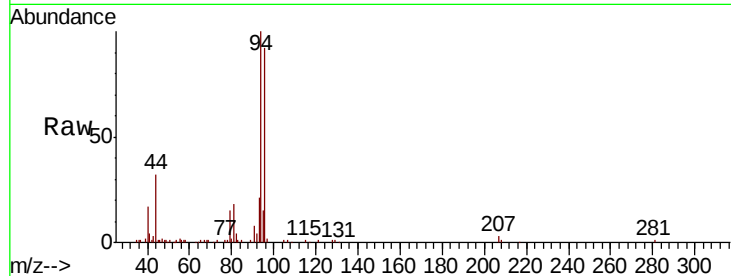
ClientSampled :

Tot Ion: 94 Resp: 85790

Ion Ratio Lower Upper

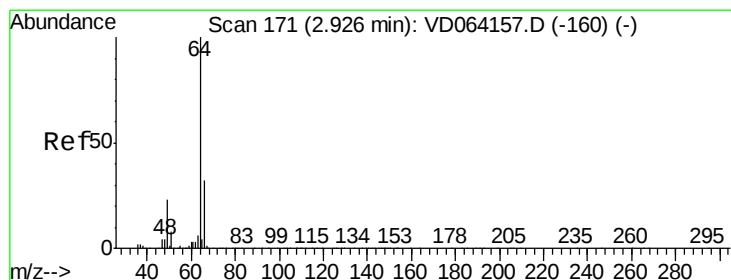
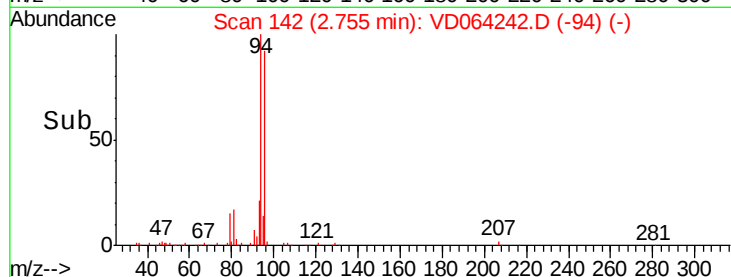
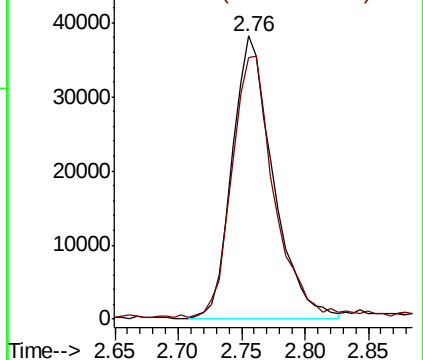
94 100

96 91.8 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.891 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064242.D

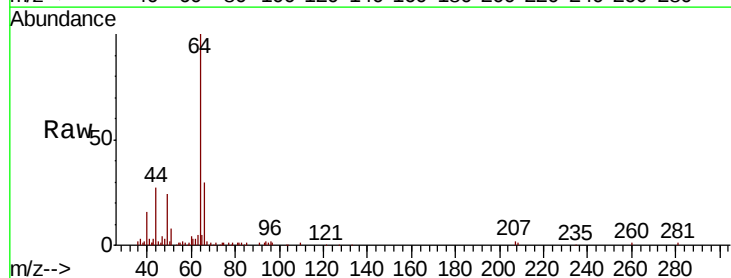
Acq: 16 Nov 2019 00:07

Tgt Ion: 64 Resp: 82849

Ion Ratio Lower Upper

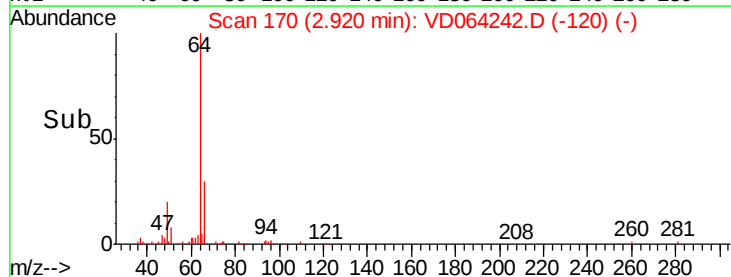
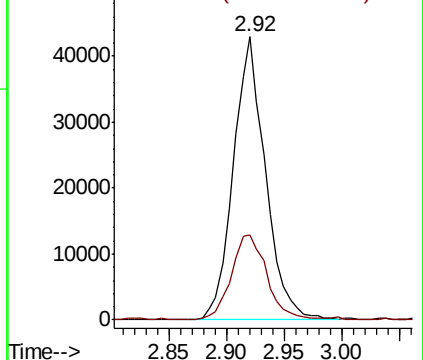
64 100

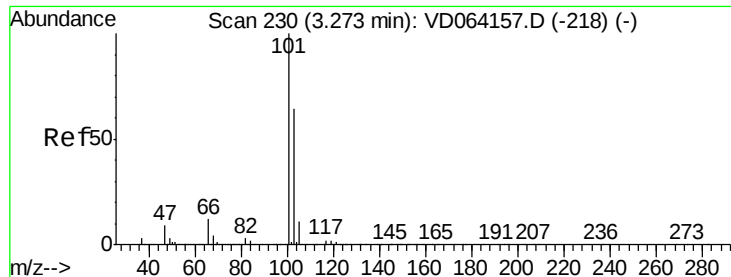
66 30.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



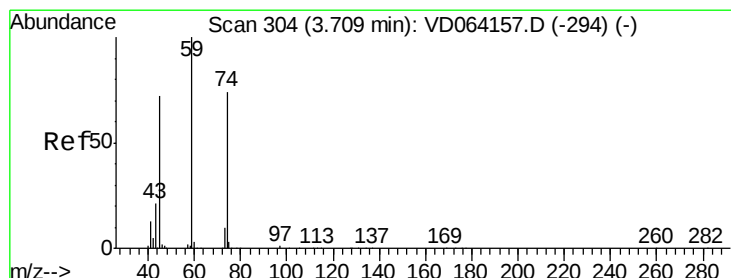
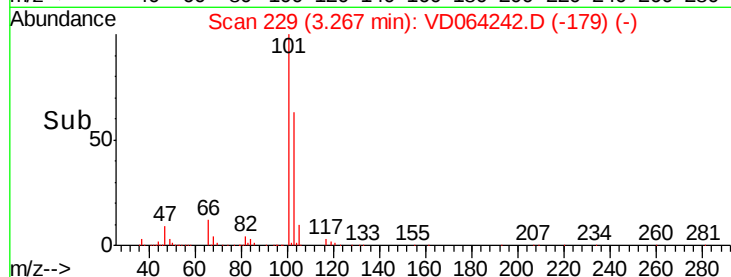
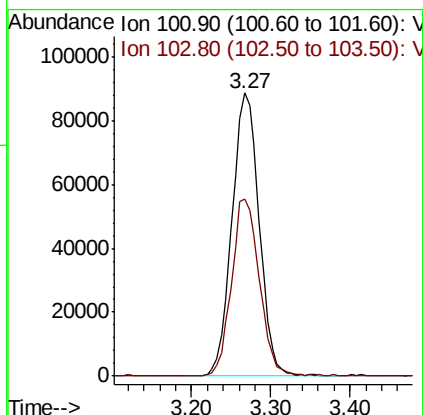
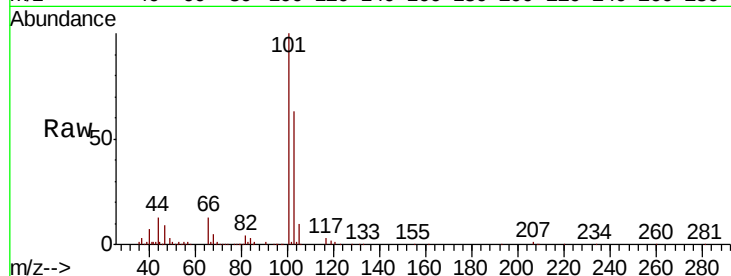


#7

Trichlorofluoromethane
 Concen: 23.936 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Instrument :
 MSVOA_D
 ClientSampleId :

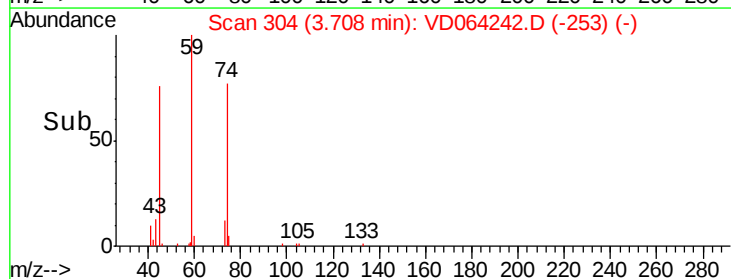
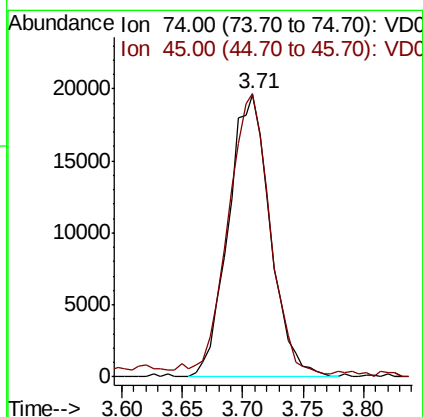
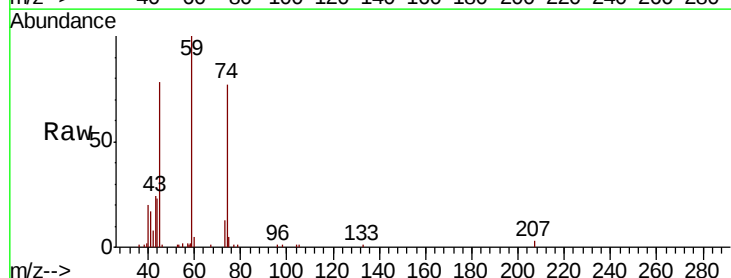
Tot Ion:101 Resp: 210613
 Ion Ratio Lower Upper
 101 100
 103 62.7 50.8 76.2

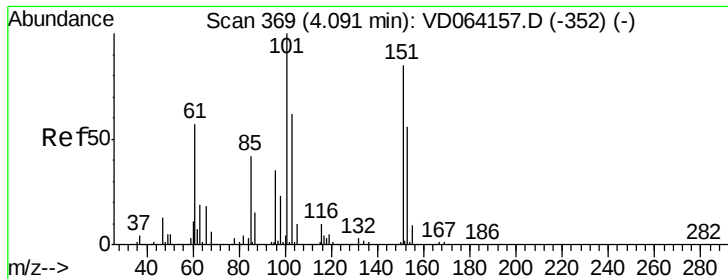


#8

Diethyl Ether
 Concen: 19.484 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion: 74 Resp: 47140
 Ion Ratio Lower Upper
 74 100
 45 99.4 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.961 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

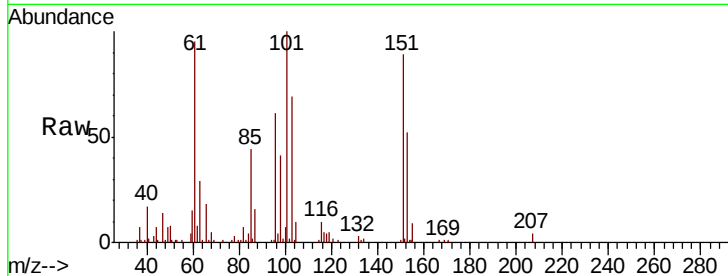
Tot Ion:101 Resp: 95355

Ion Ratio Lower Upper

101 100

85 43.0 34.4 51.6

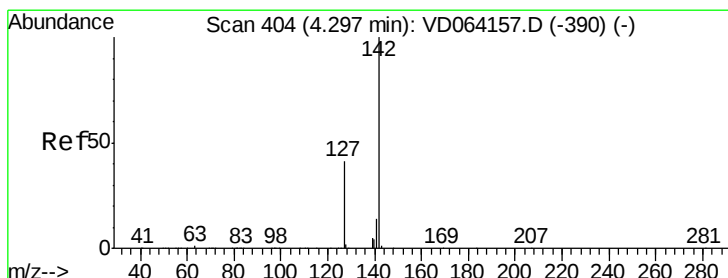
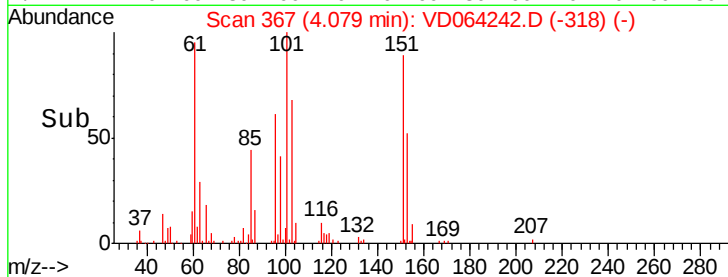
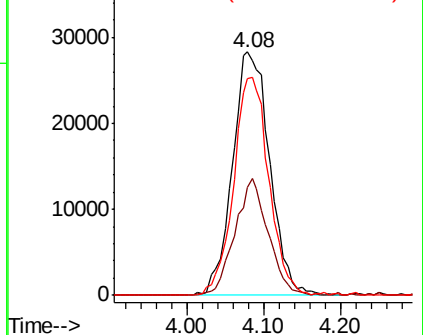
151 84.9 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VD

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.449 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

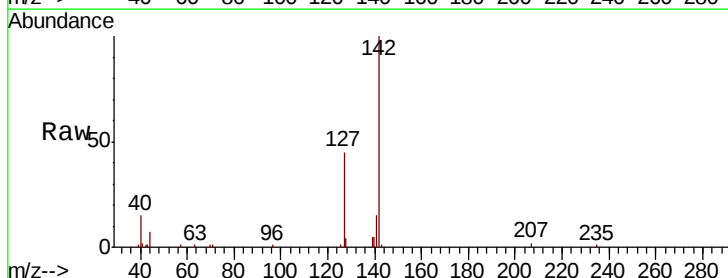
Tgt Ion:142 Resp: 98242

Ion Ratio Lower Upper

142 100

127 43.1 34.4 51.6

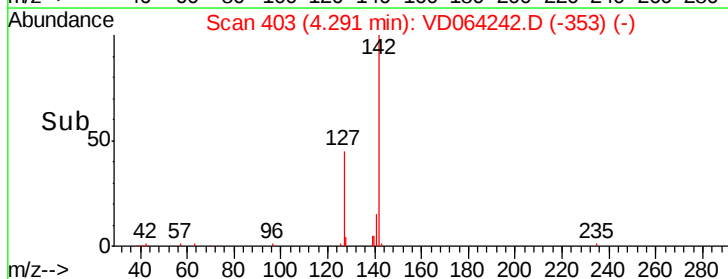
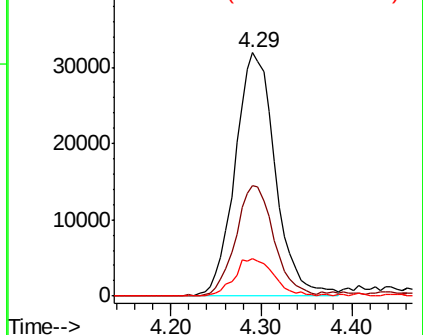
141 15.1 11.2 16.8

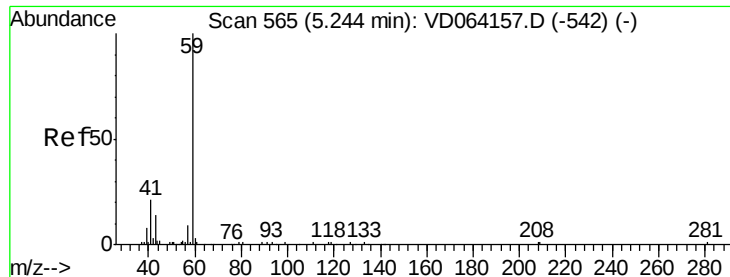


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



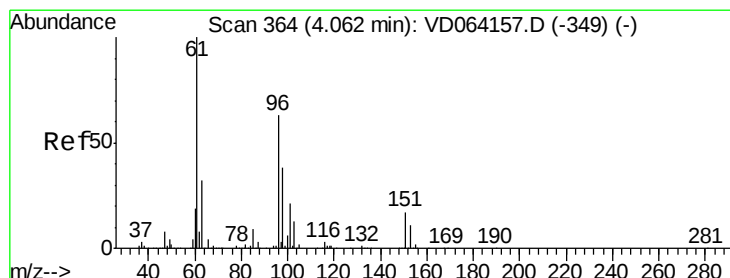
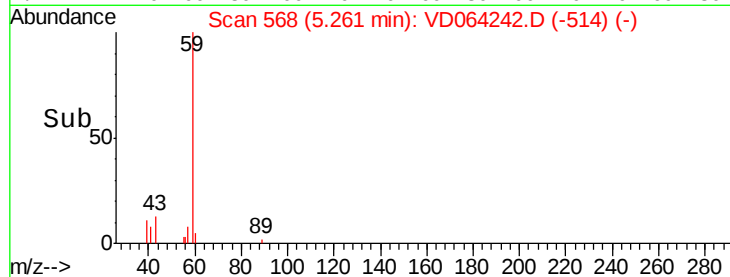
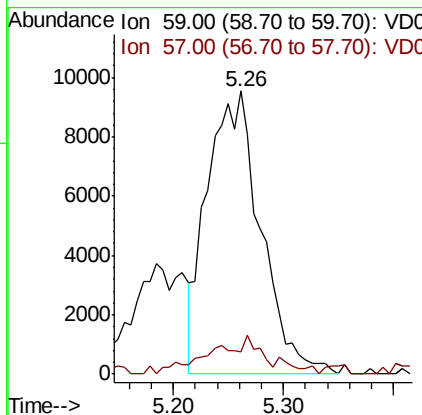
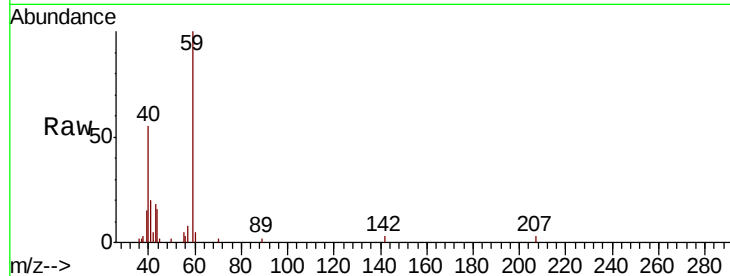


#11

Tert butyl alcohol
 Concen: 97.679 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Instrument :
 MSVOA_D
 ClientSampled :

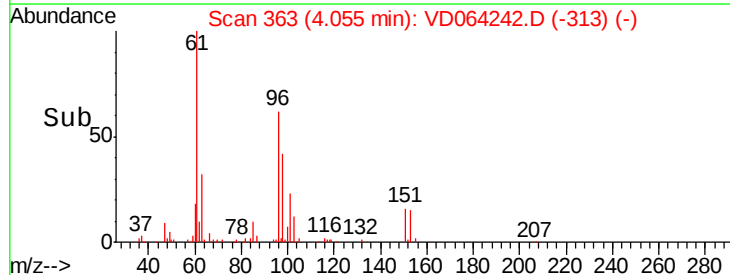
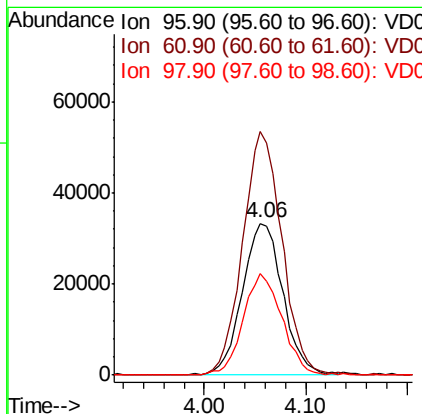
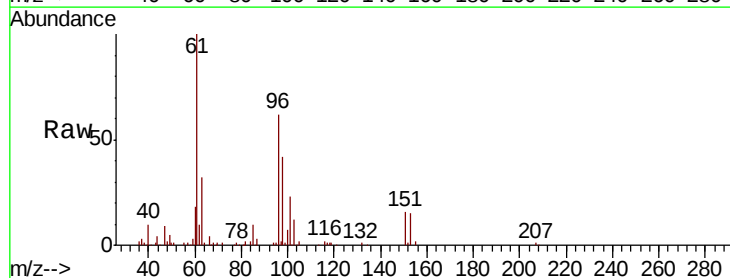
Tot Ion: 59 Resp: 32010
 Ion Ratio Lower Upper
 59 100
 57 7.3 9.4 14.2#

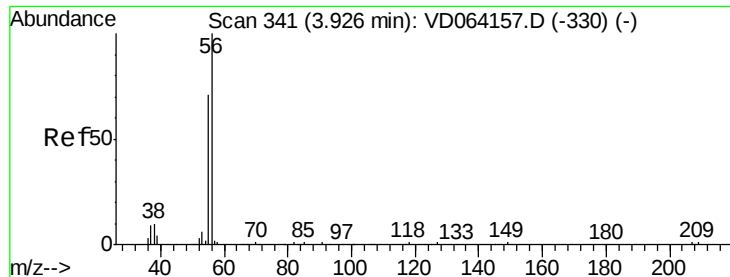


#12

1,1-Dichloroethene
 Concen: 19.337 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion: 96 Resp: 92695
 Ion Ratio Lower Upper
 96 100
 61 160.6 127.4 191.2
 98 67.1 48.1 72.1





#13

Acrolein

Concen: 79.273 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

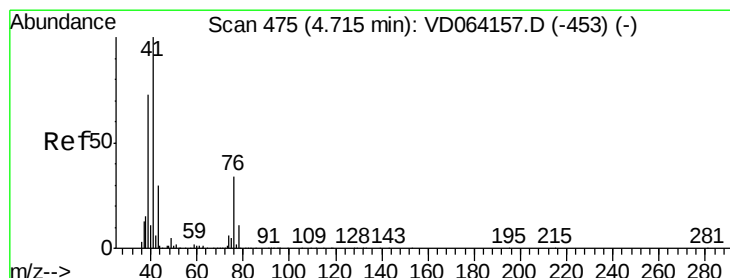
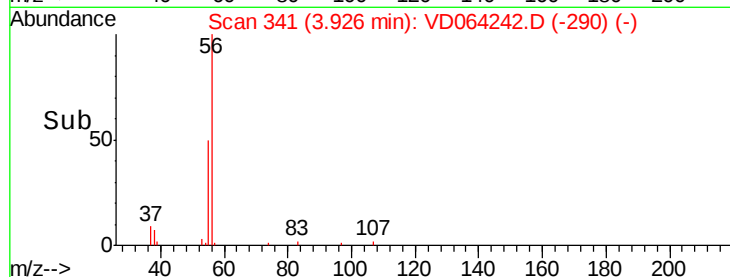
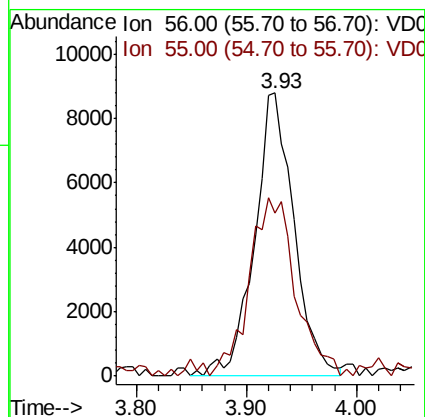
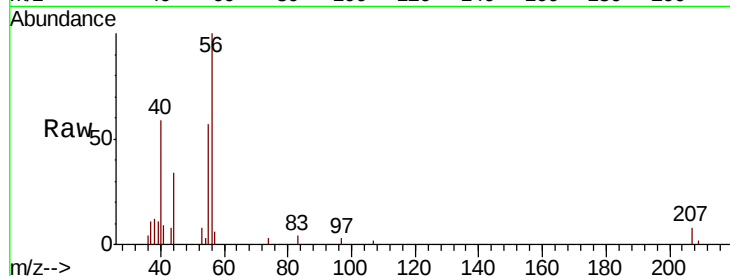
ClientSampleId :

Tot Ion: 56 Resp: 21977

Ion Ratio Lower Upper

56 100

55 74.4 56.1 84.1



#14

Allyl chloride

Concen: 17.813 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

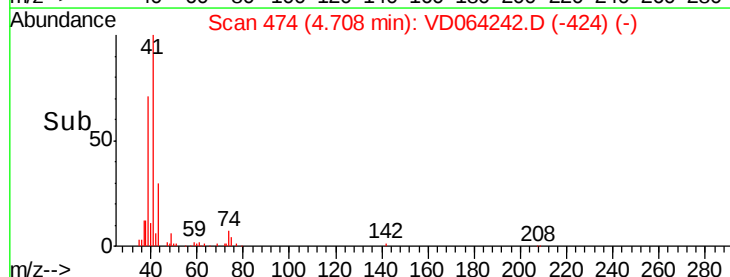
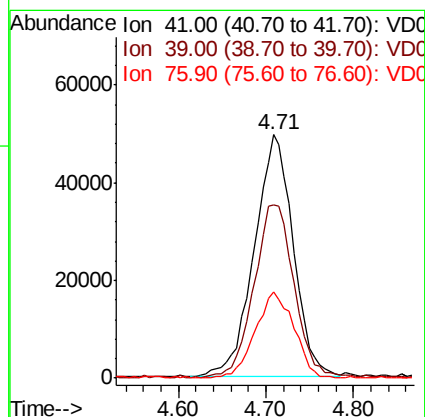
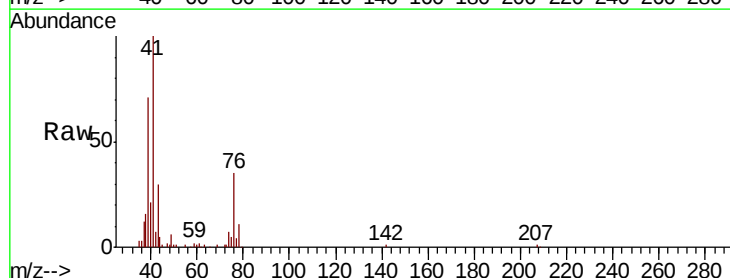
Tgt Ion: 41 Resp: 150976

Ion Ratio Lower Upper

41 100

39 73.2 57.5 86.3

76 35.7 26.8 40.2





#15

Acrylonitrile

Concen: 107.210 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

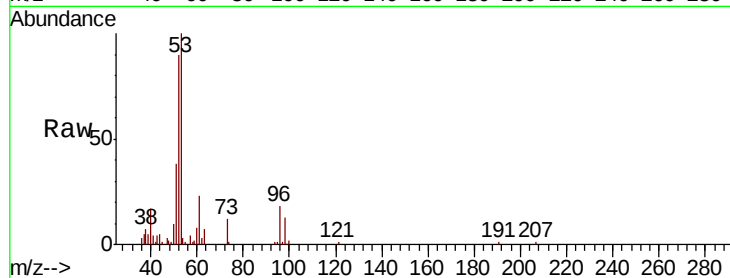
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 53 Resp: 110577

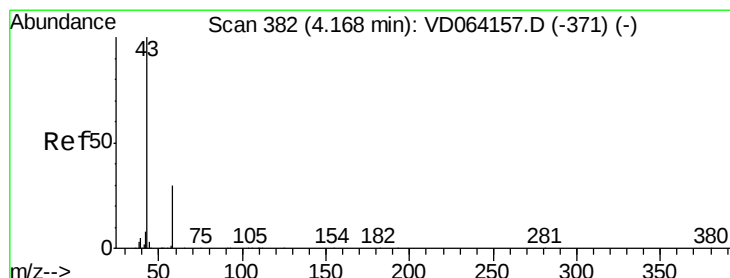
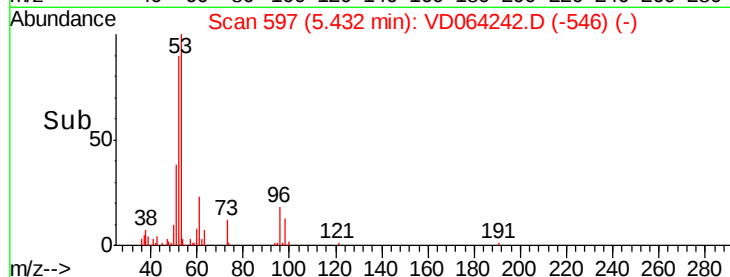
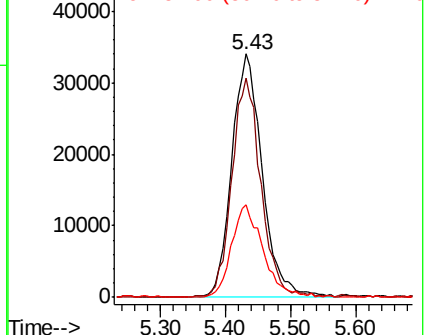
Ion	Ratio	Lower	Upper
53	100		
52	85.7	66.7	100.1
51	39.0	30.6	46.0



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: 75.275 ug/l

RT: 4.17 min Scan# 382

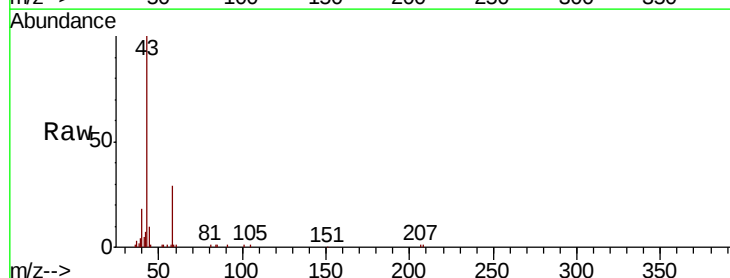
Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

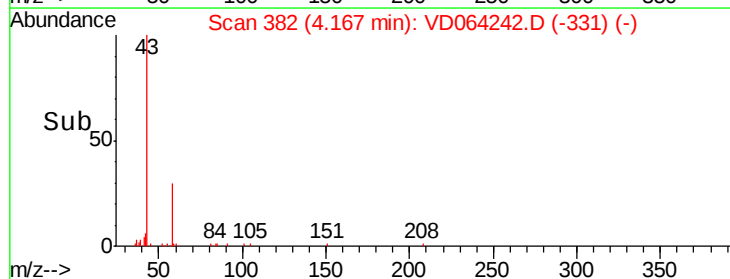
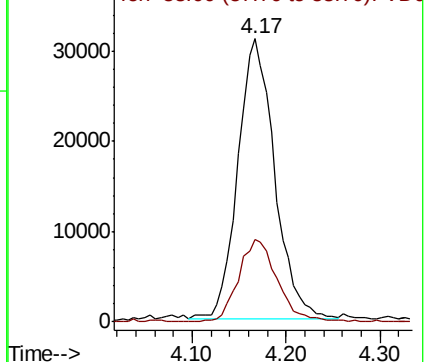
Tgt Ion: 43 Resp: 83669

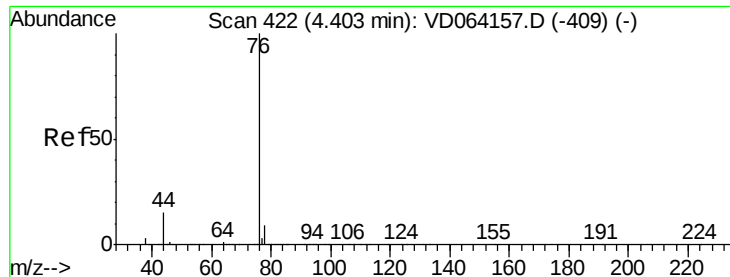
Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.1	36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 18.367 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

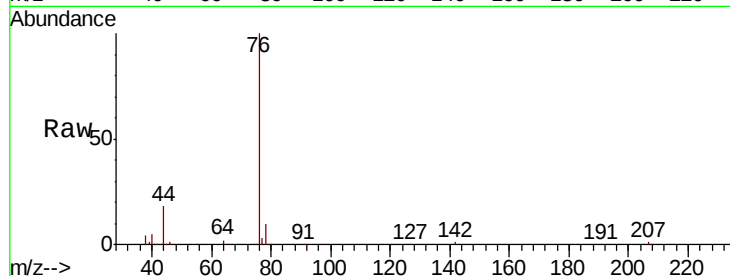
ClientSampled :

Tot Ion: 76 Resp: 274194

Ion Ratio Lower Upper

76 100

78 9.9 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

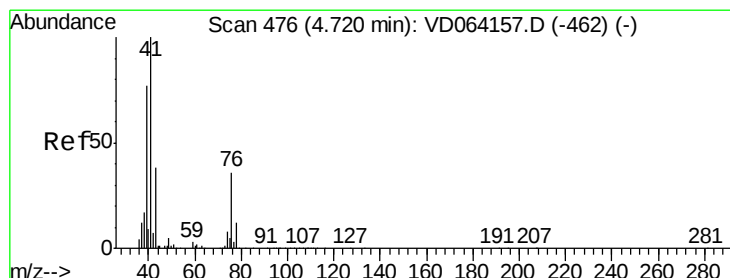
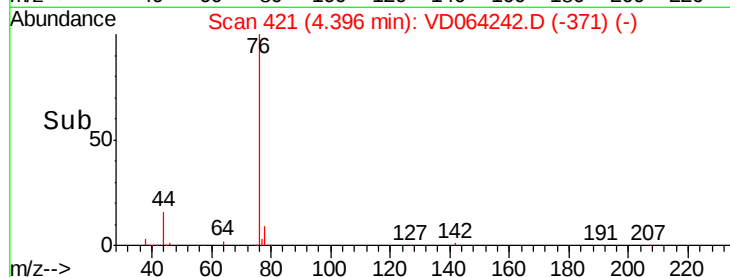
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.052 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064242.D

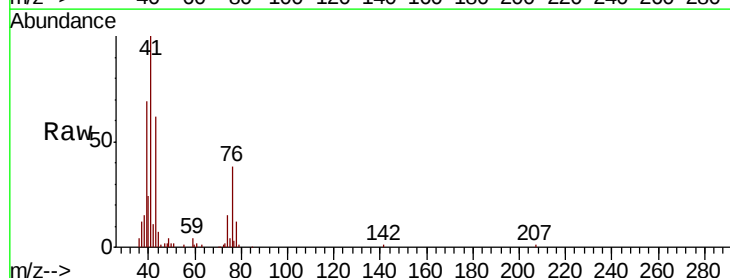
Acq: 16 Nov 2019 00:07

Tgt Ion: 43 Resp: 65355

Ion Ratio Lower Upper

43 100

74 25.3 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

25000

20000

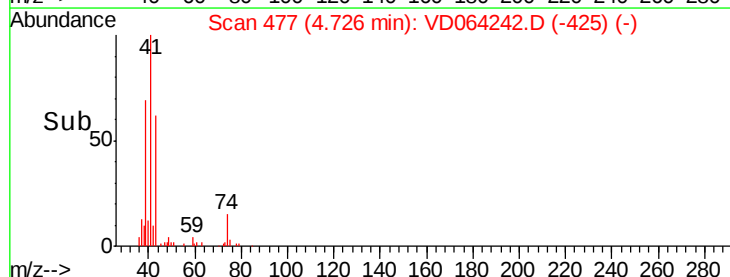
15000

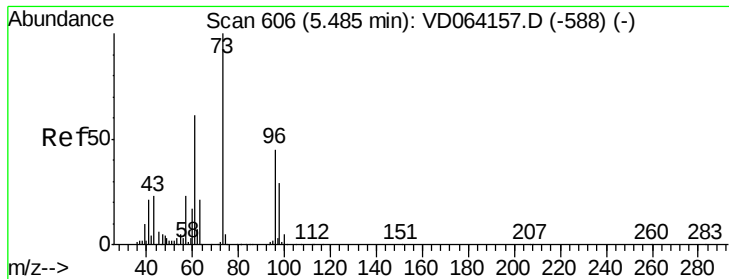
10000

5000

0

Time-->

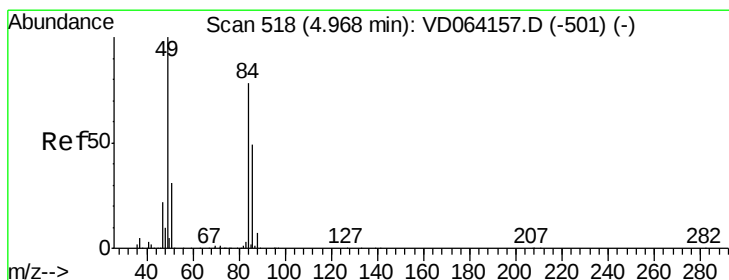
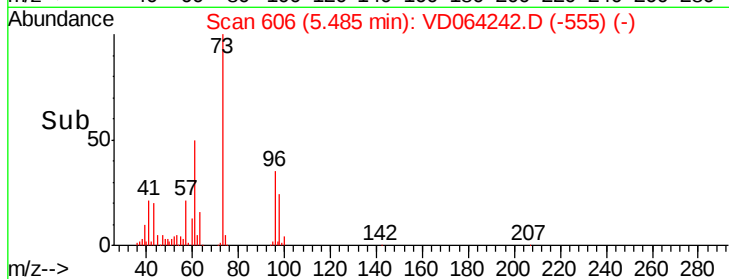
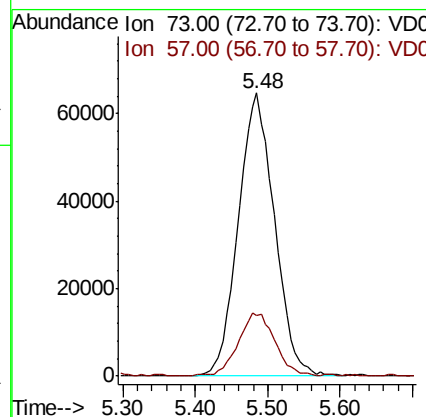
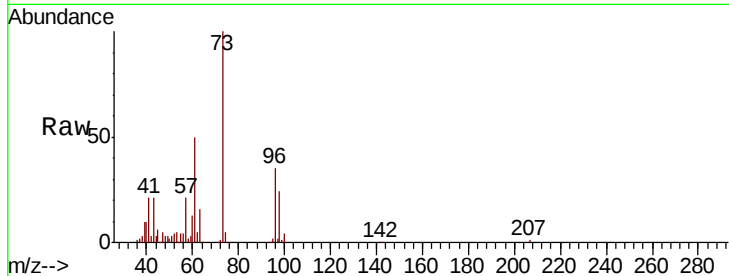




#19
Methvl tert-butvl Ether
Concen: 19.587 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

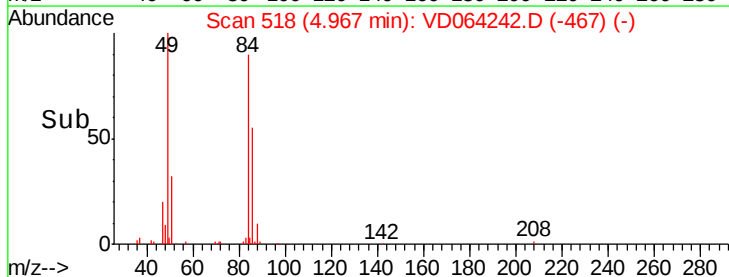
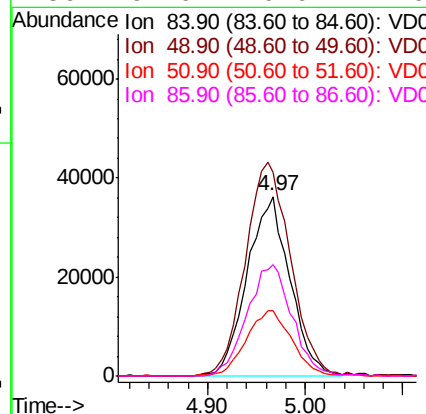
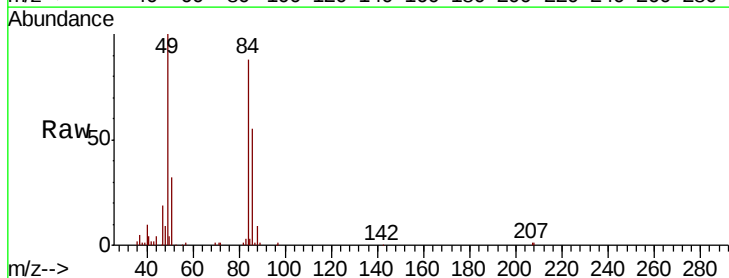
Instrument :
MSVOA_D
ClientSampleId :

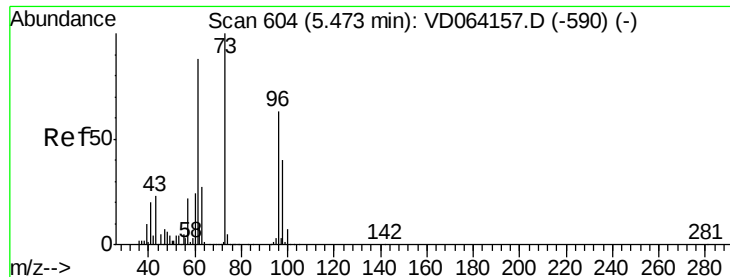
Tot Ion: 73 Resp: 224153
Ion Ratio Lower Upper
73 100
57 21.4 18.4 27.6



#20
Methylene Chloride
Concen: 19.810 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion: 84 Resp: 111224
Ion Ratio Lower Upper
84 100
49 113.0 102.1 153.1
51 36.5 32.2 48.2
86 61.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.355 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

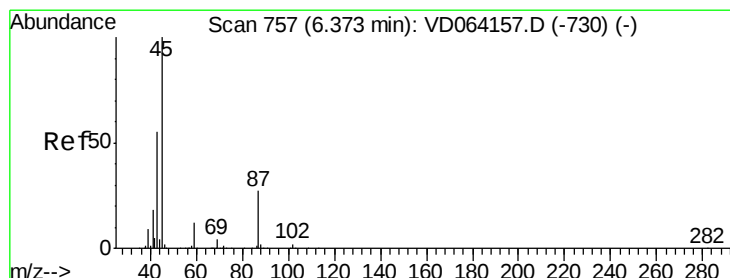
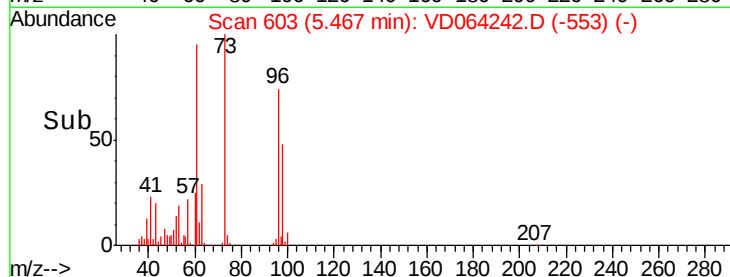
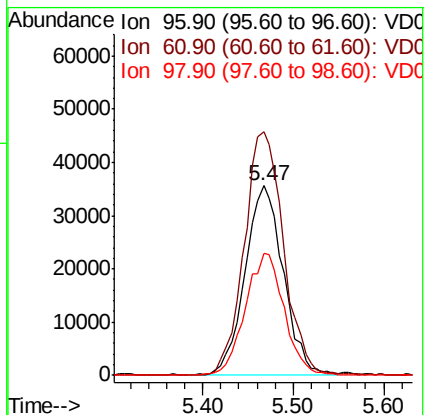
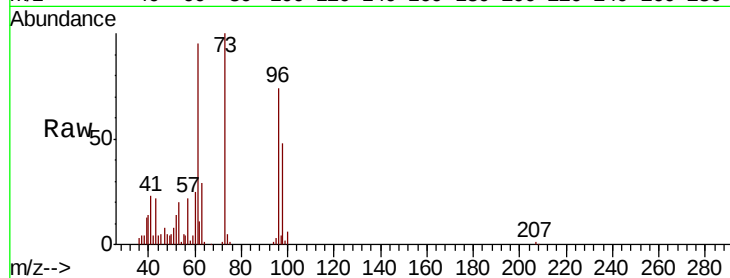
Tot Ion: 96 Resp: 105117

Ion Ratio Lower Upper

96 100

61 128.6 111.8 167.6

98 64.4 50.3 75.5



#22

Diisopropyl ether

Concen: 18.554 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Tgt Ion: 45 Resp: 291783

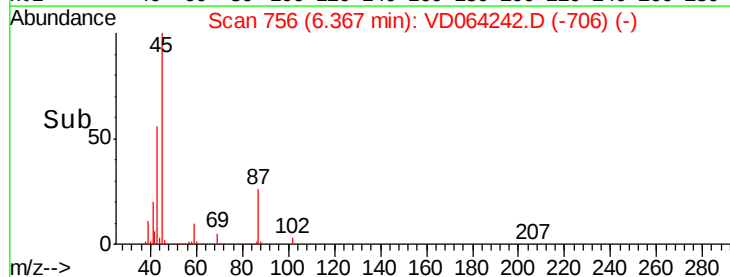
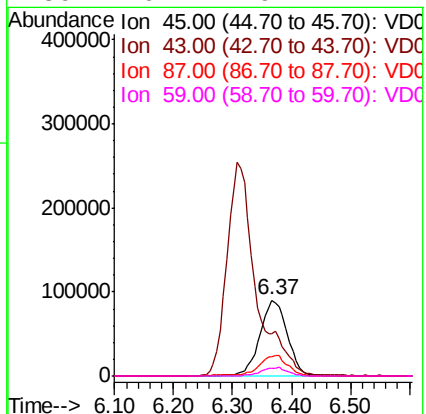
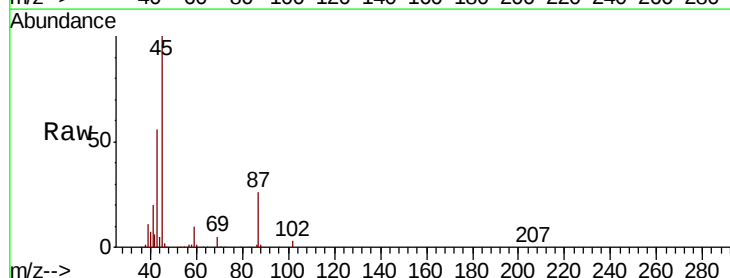
Ion Ratio Lower Upper

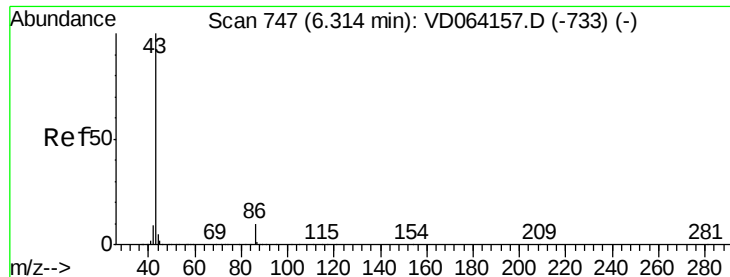
45 100

43 56.0 44.4 66.6

87 25.5 21.9 32.9

59 10.2 9.4 14.2





#23

Vinyl Acetate

Concen: 99.258 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

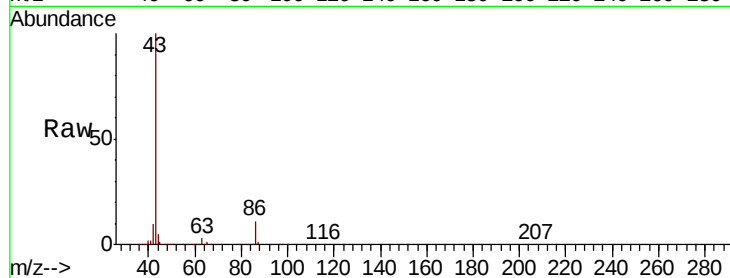
ClientSampleId :

Tot Ion: 43 Resp: 870088

Ion Ratio Lower Upper

43 100

86 10.7 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

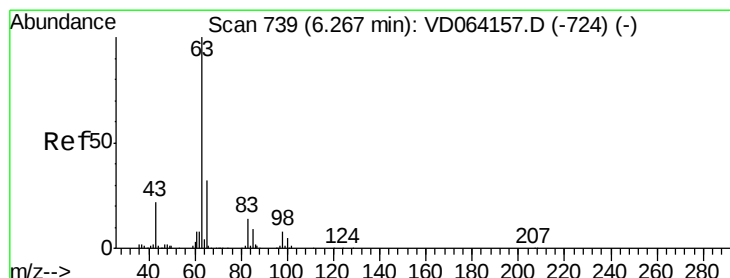
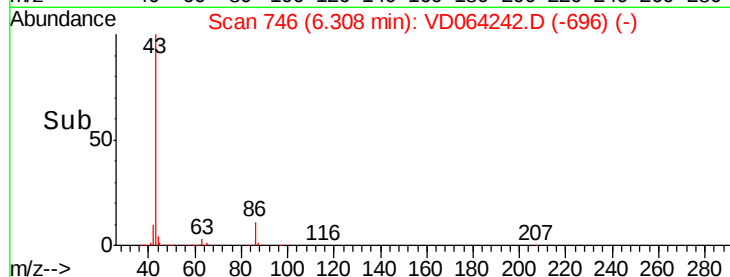
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.427 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

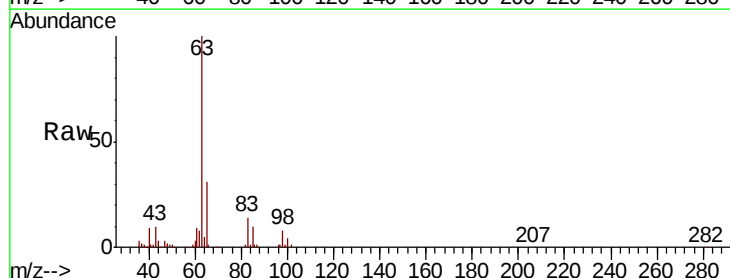
Tgt Ion: 63 Resp: 177386

Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.4

100 4.3 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

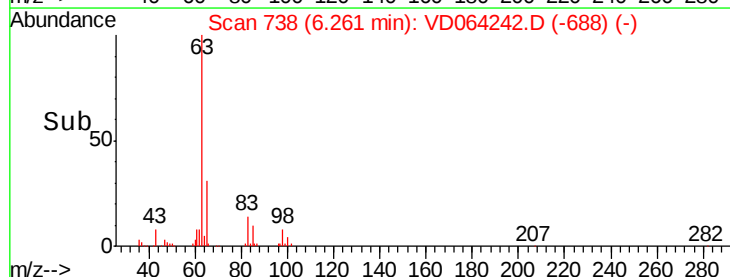
60000

40000

20000

0

Time-->

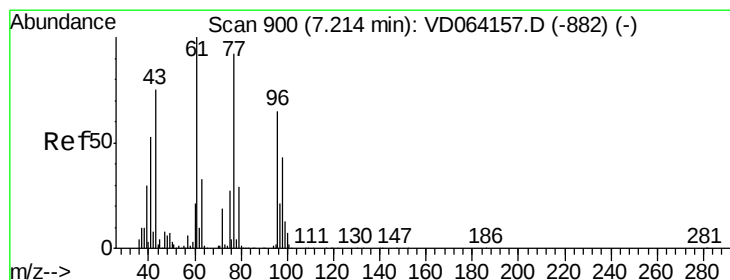
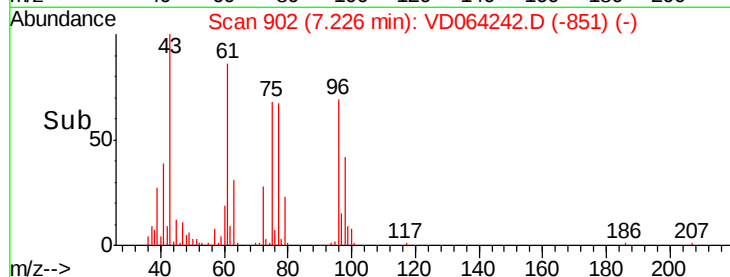
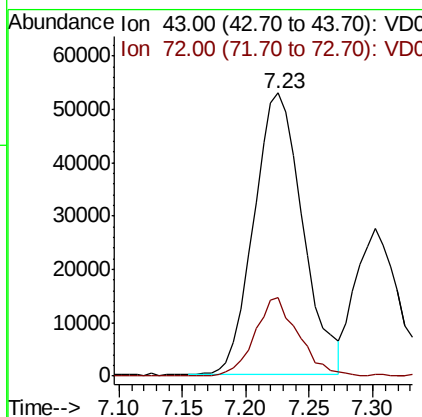
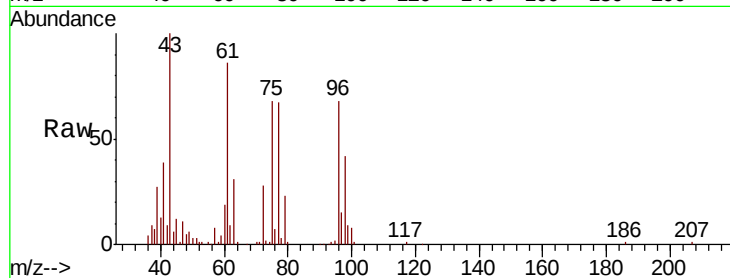




#25
2-Butanone
Concen: 98.928 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

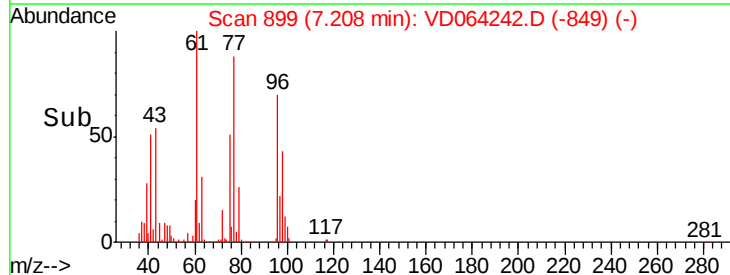
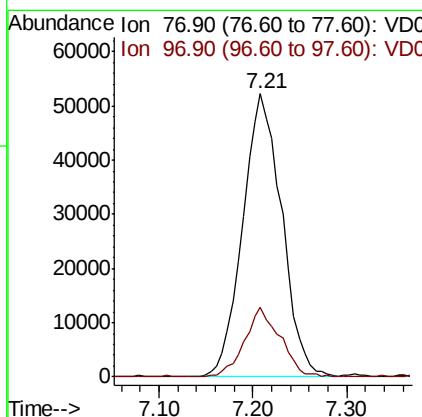
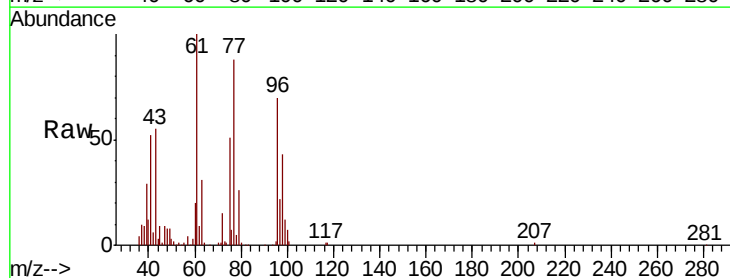
Instrument :
MSVOA_D
ClientSampleId :

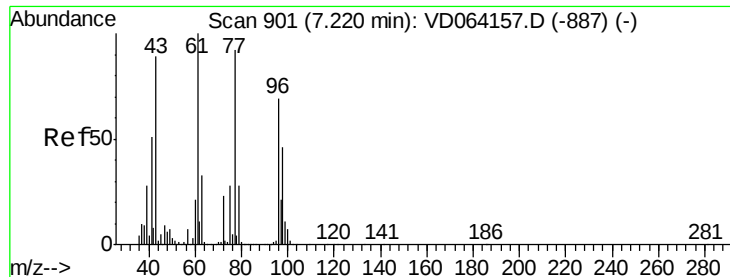
Tot Ion: 43 Resp: 142062
Ion Ratio Lower Upper
43 100
72 28.0 20.6 30.8



#26
2,2-Dichloropropane
Concen: 16.793 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion: 77 Resp: 150374
Ion Ratio Lower Upper
77 100
97 22.3 11.1 33.3



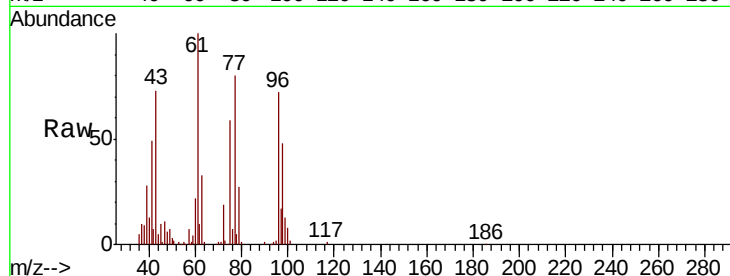


#27

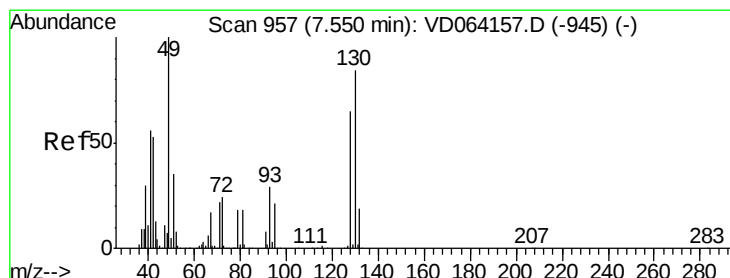
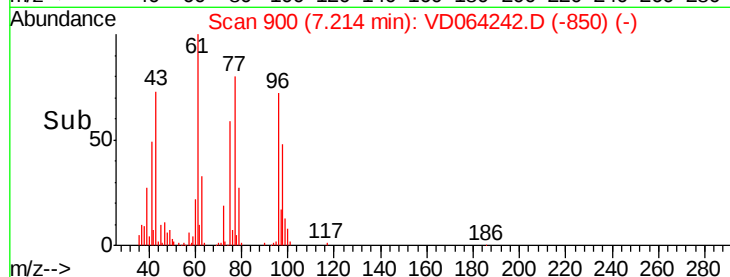
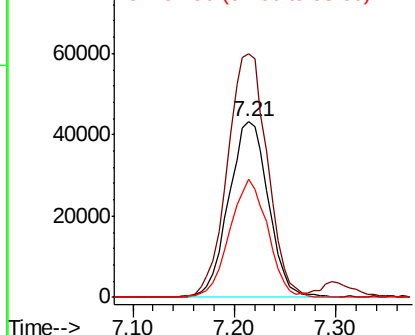
cis-1,2-Dichloroethene
 Concen: 20.137 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	301.4
98	64.3	0.0	133.2



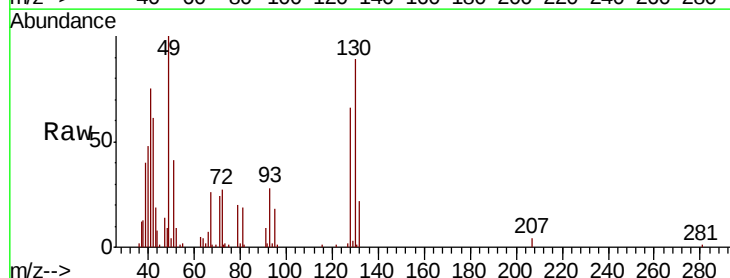
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



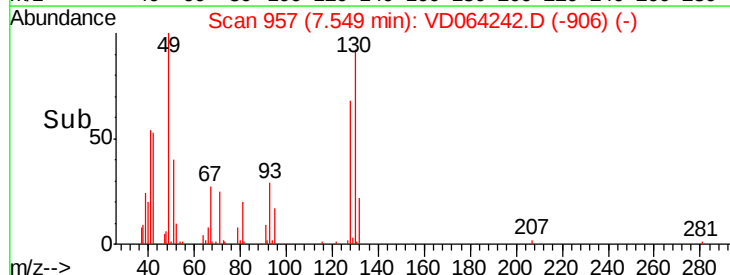
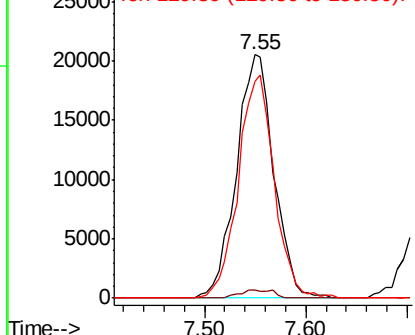
#28

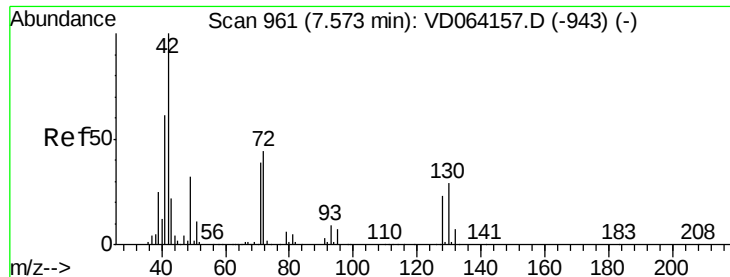
Bromochloromethane
 Concen: 16.508 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	4.4
130	88.1	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

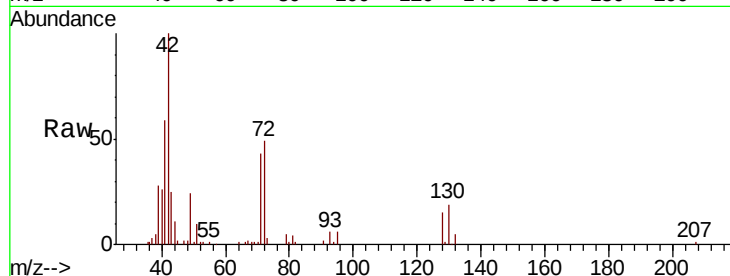




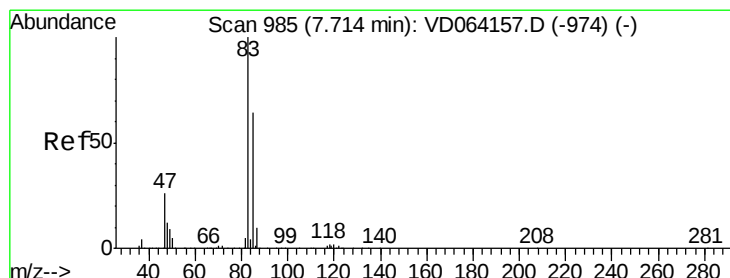
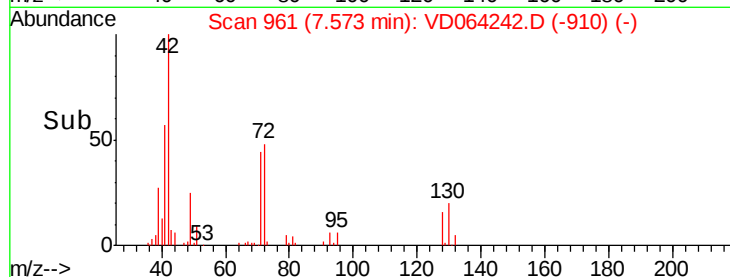
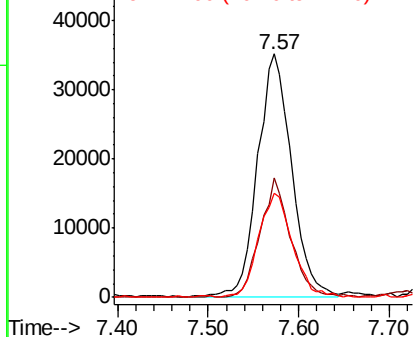
#29
Tetrahydrofuran
Concen: 106.871 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 92207
Ion Ratio Lower Upper
42 100
72 43.8 33.4 50.2
71 42.4 31.0 46.4

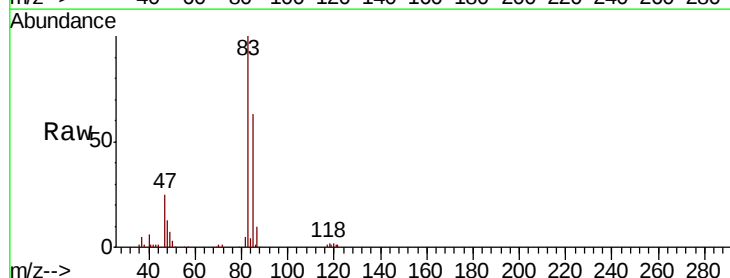


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

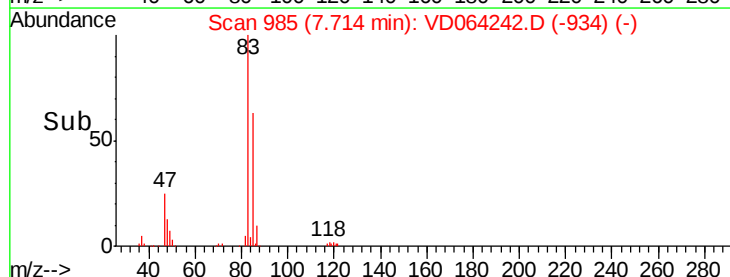
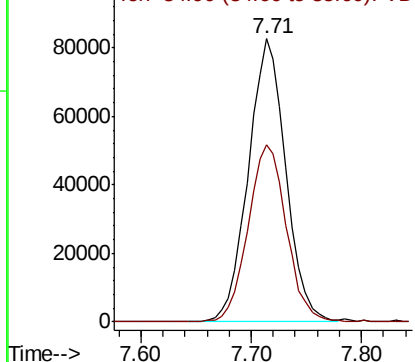


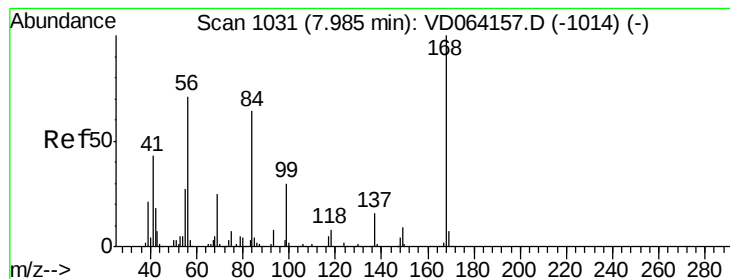
#30
Chloroform
Concen: 21.032 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion: 83 Resp: 196440
Ion Ratio Lower Upper
83 100
85 62.6 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: 17.700 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

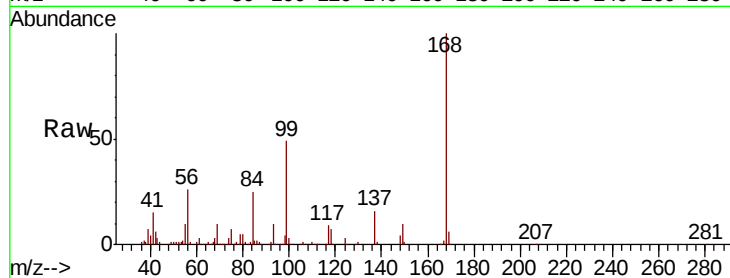
Tot Ion: 56 Resp: 162996

Ion Ratio Lower Upper

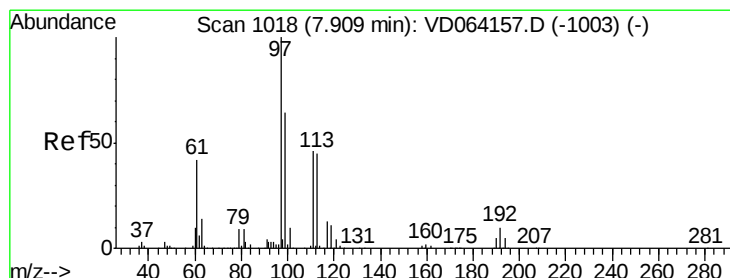
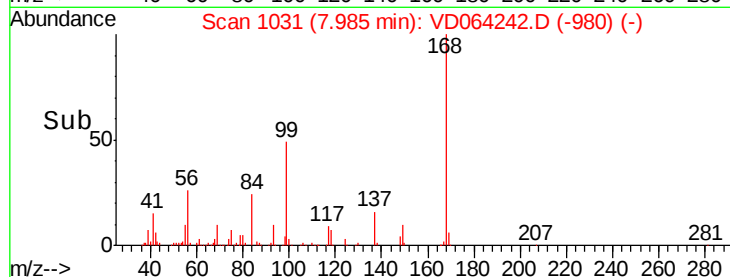
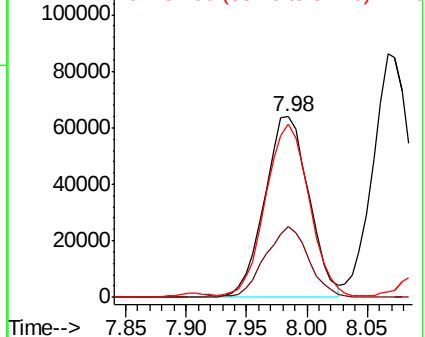
56 100

69 39.1 28.2 42.4

84 94.2 71.8 107.6



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



#32

1,1,1-Trichloroethane

Concen: 19.073 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

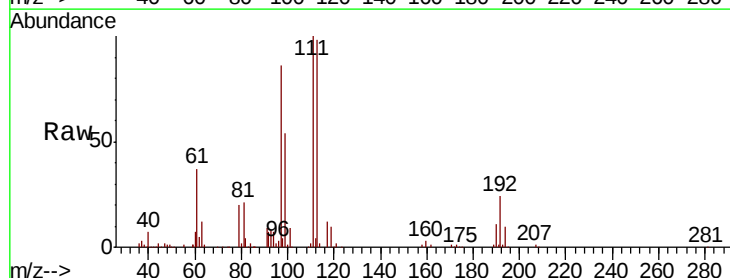
Tgt Ion: 97 Resp: 170570

Ion Ratio Lower Upper

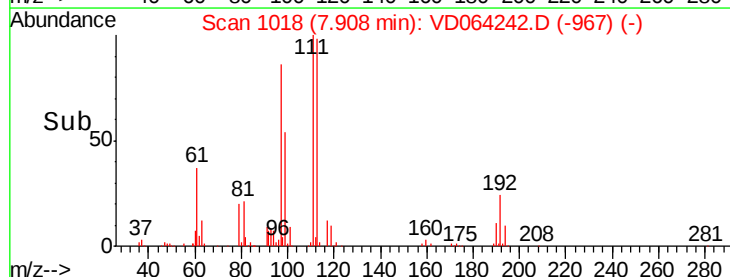
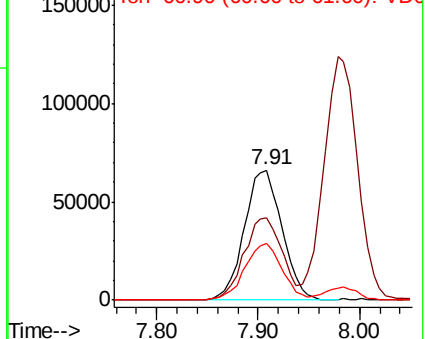
97 100

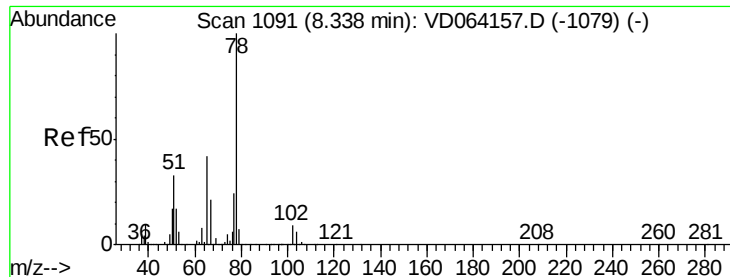
99 63.3 51.6 77.4

61 43.0 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: 49.658 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

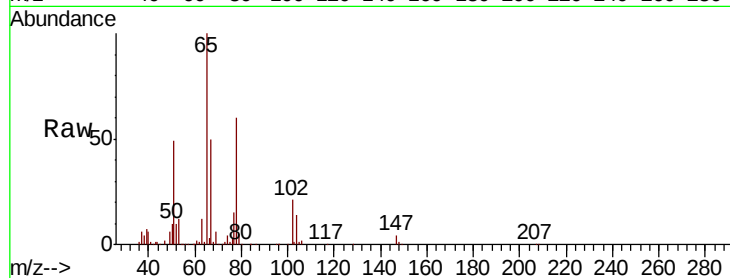
ClientSampleId :

Tot Ion: 65 Resp: 232988

Ion Ratio Lower Upper

65 100

67 50.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

120000

100000

80000

60000

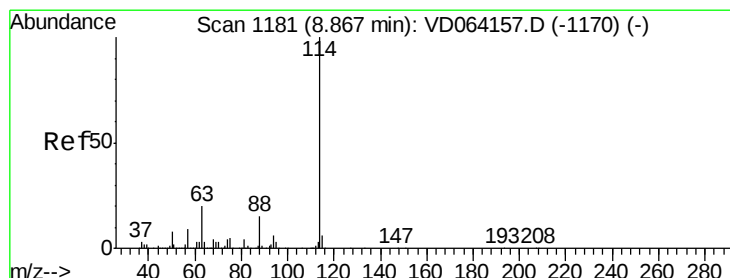
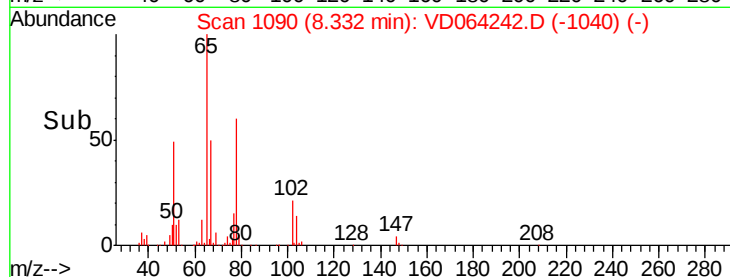
40000

20000

0

Time-->

8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

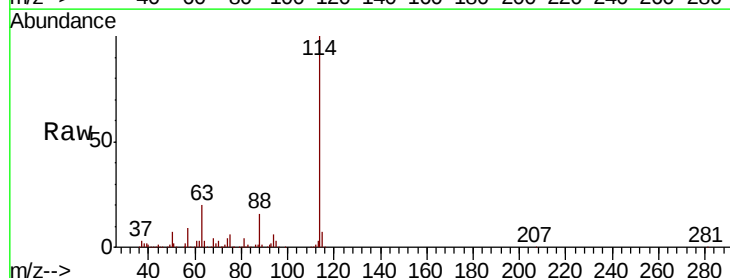
Tgt Ion: 114 Resp: 821490

Ion Ratio Lower Upper

114 100

63 20.1 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

500000

400000

300000

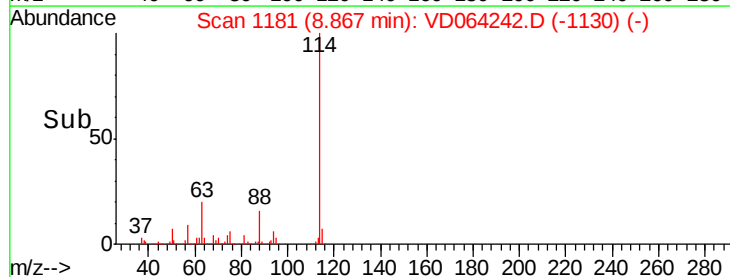
200000

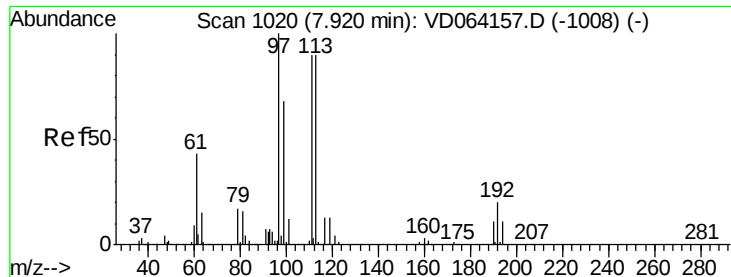
100000

0

Time-->

8.80 8.90 9.00

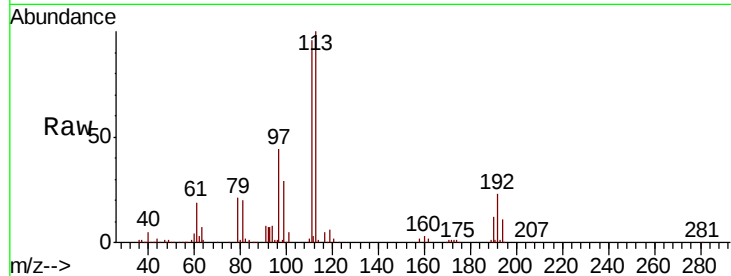




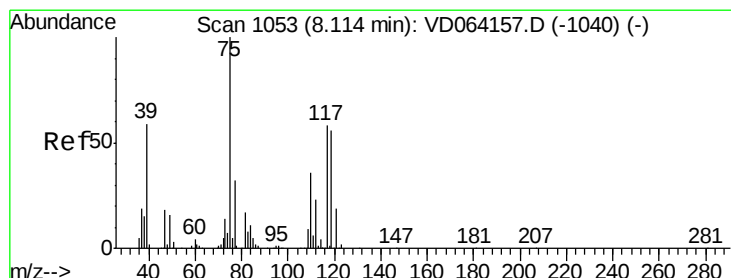
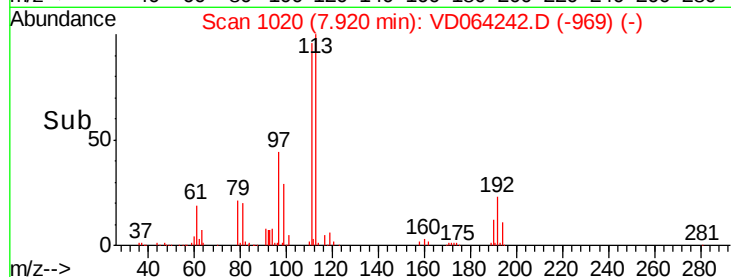
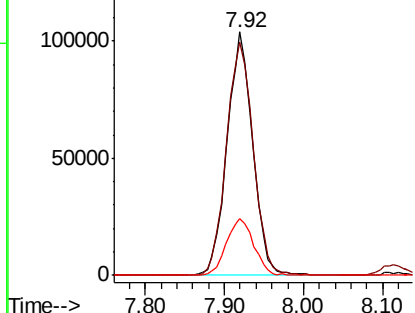
#35
 Dibromofluoromethane
 Concen: 49.200 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.5	122.3
192	24.8	18.8	28.2

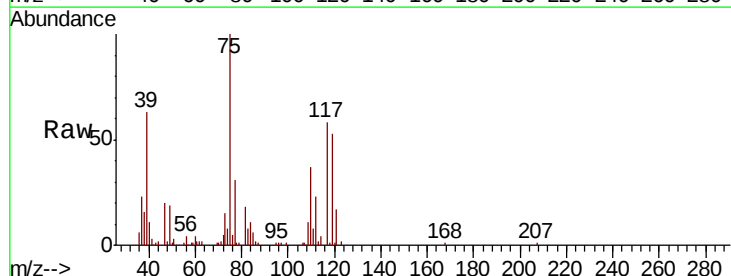


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

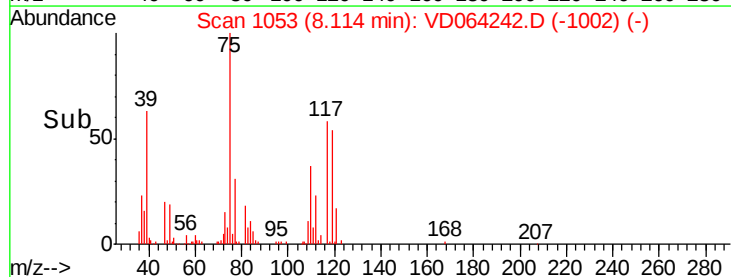
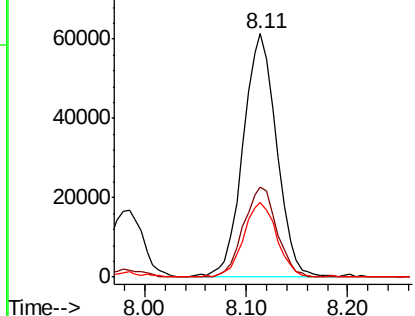


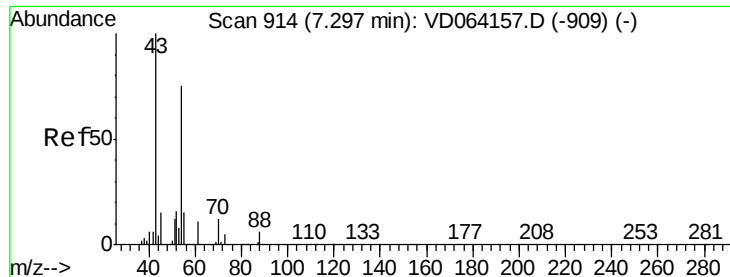
#36
 1,1-Dichloropropene
 Concen: 18.458 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.3	54.9
77	30.9	25.0	37.6



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

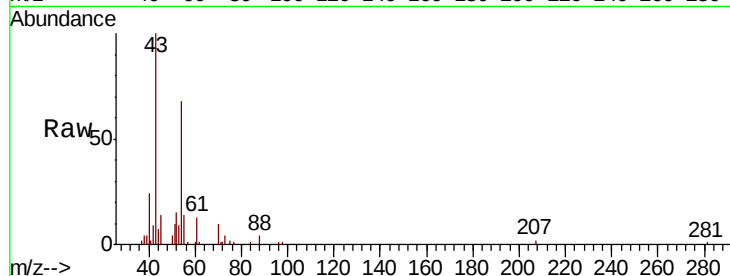




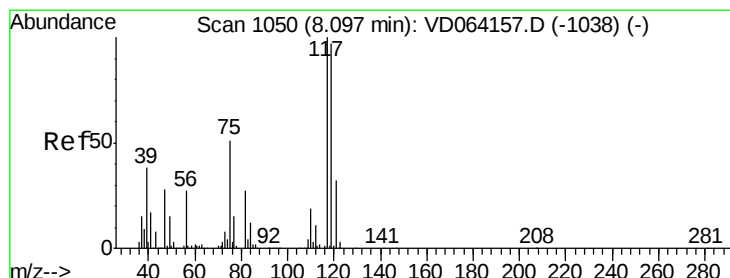
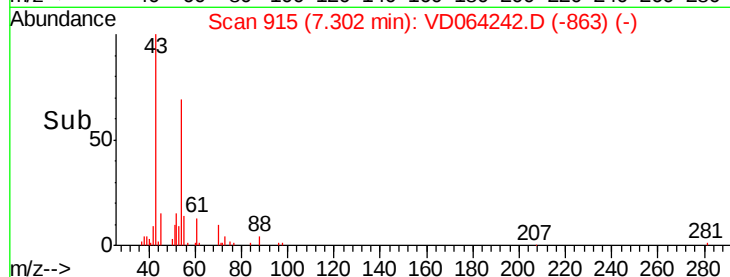
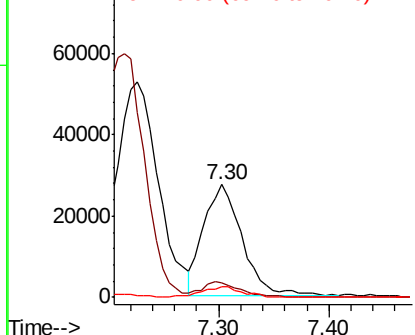
#37
Ethyl Acetate
Concen: 20.484 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 65471
Ion Ratio Lower Upper
43 100
61 14.1 10.2 15.2
70 10.0 8.5 12.7

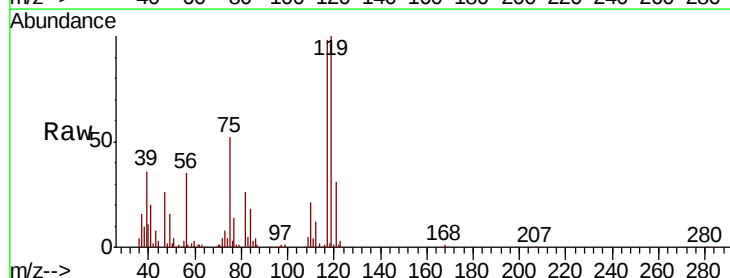


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

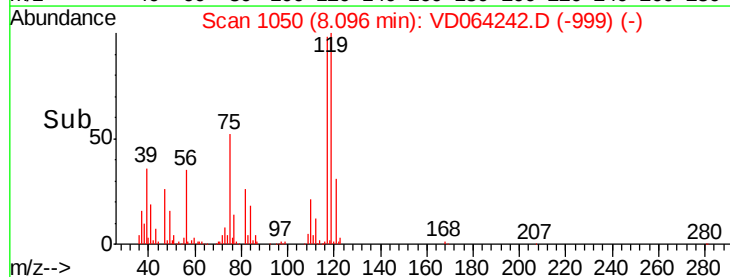
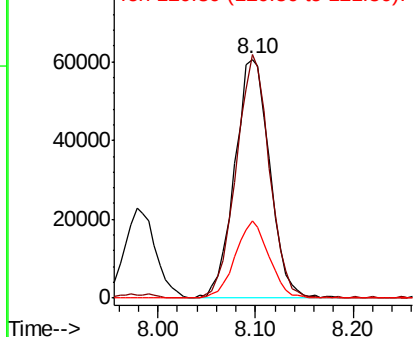


#38
Carbon Tetrachloride
Concen: 18.629 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion: 117 Resp: 151129
Ion Ratio Lower Upper
117 100
119 102.1 77.2 115.8
121 32.1 25.5 38.3



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

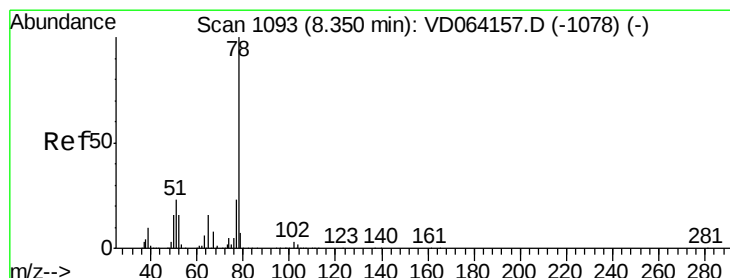
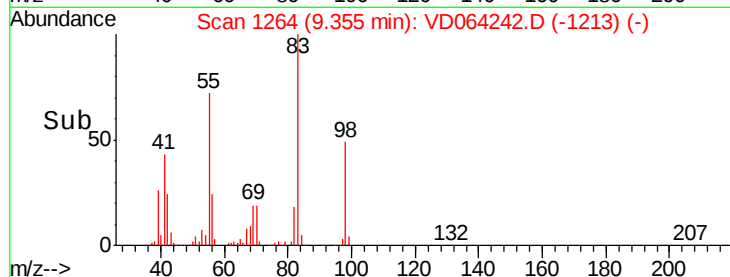
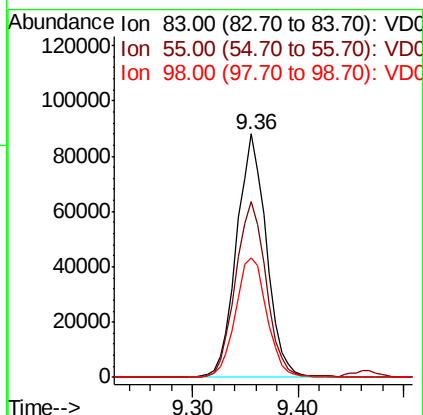
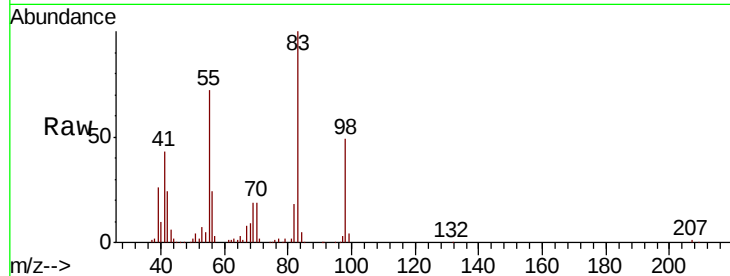




#39
Methvlcvclohexane
Concen: 17.982 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

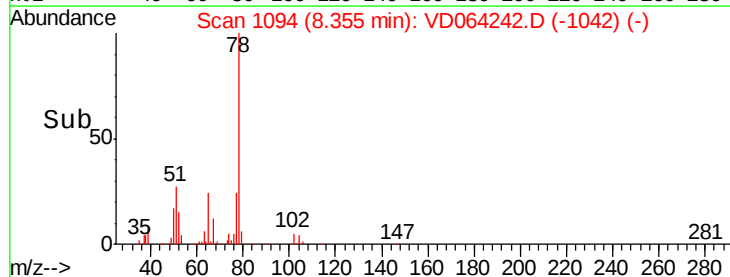
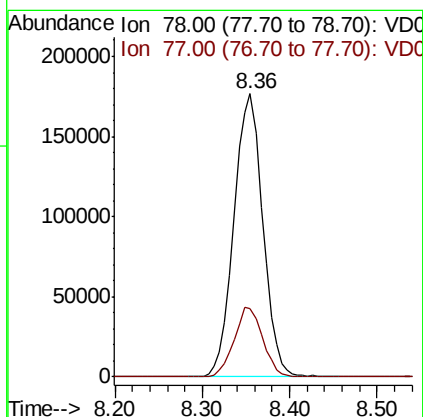
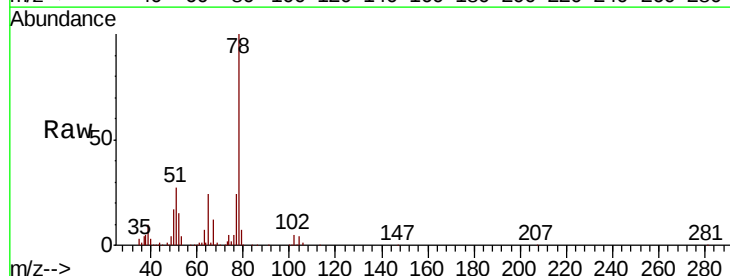
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 172512
Ion Ratio Lower Upper
83 100
55 72.0 61.7 92.5
98 48.8 38.6 58.0



#40
Benzene
Concen: 19.024 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion: 78 Resp: 394197
Ion Ratio Lower Upper
78 100
77 24.2 18.6 28.0





#41

Methacrylonitrile

Concen: 17.642 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 35442

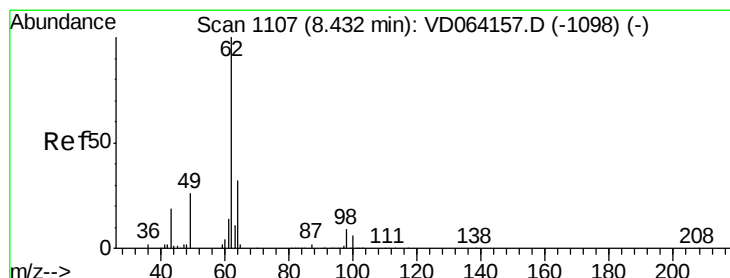
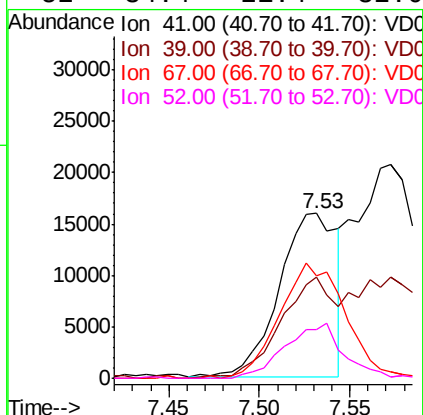
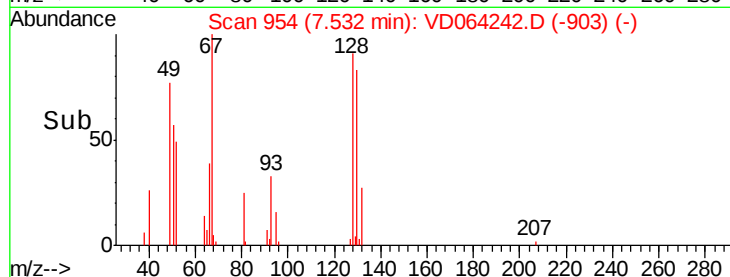
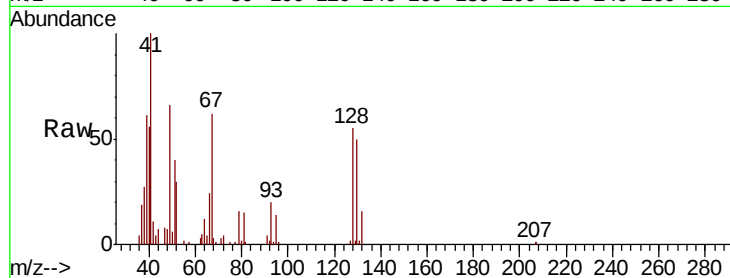
Ion Ratio Lower Upper

41 100

39 58.0 49.4 74.2

67 79.9 49.6 74.4#

52 34.4 21.4 32.0#



#42

1,2-Dichloroethane

Concen: 19.551 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064242.D

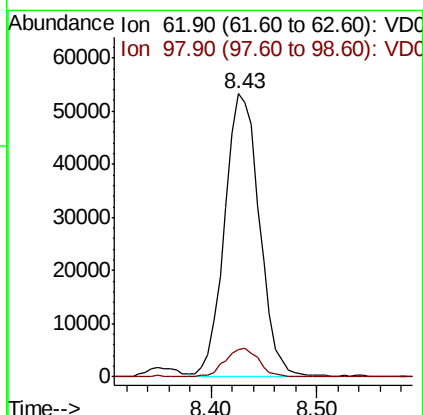
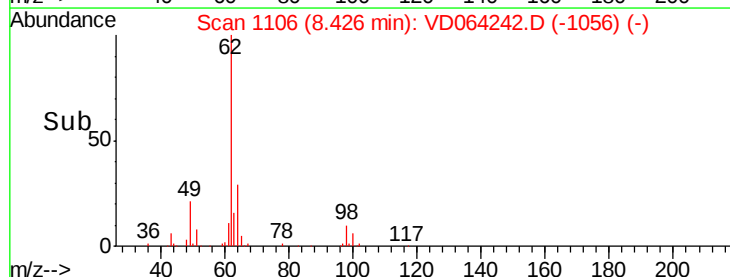
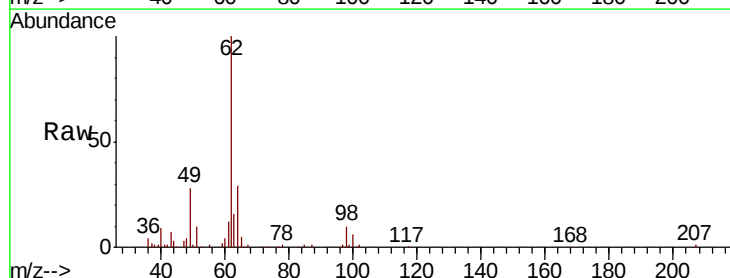
Acq: 16 Nov 2019 00:07

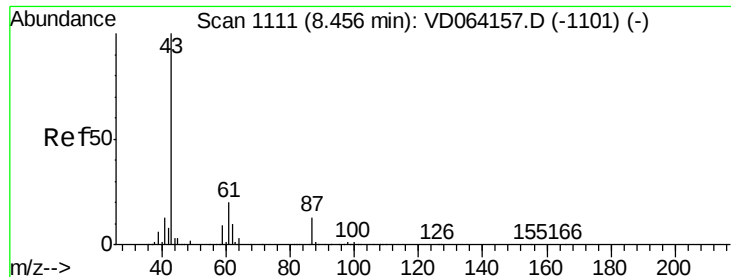
Tgt Ion: 62 Resp: 121670

Ion Ratio Lower Upper

62 100

98 9.7 0.0 19.0





#43

Isopropyl Acetate

Concen: 19.312 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

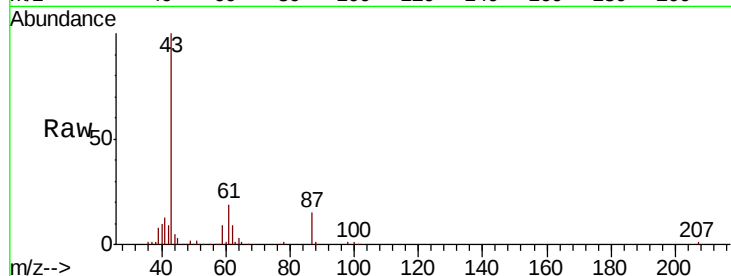
Tot Ion: 43 Resp: 127179

Ion Ratio Lower Upper

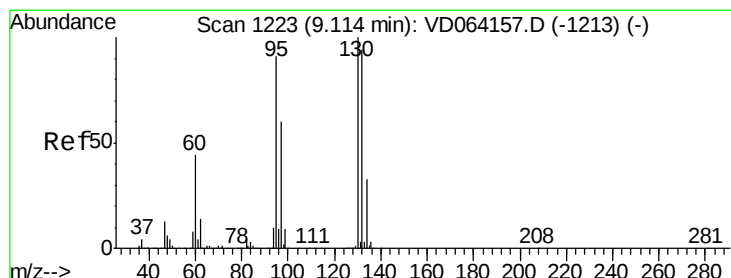
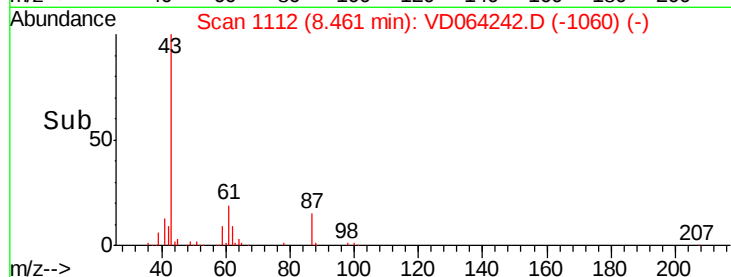
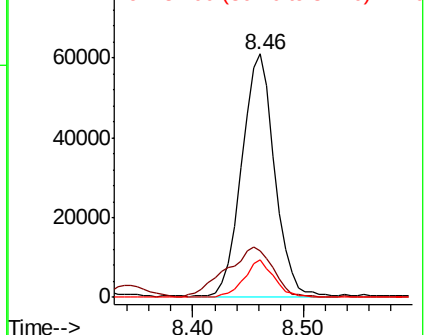
43 100

61 29.4 22.9 34.3

87 14.0 10.2 15.2



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



#44

Trichloroethene

Concen: 19.120 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064242.D

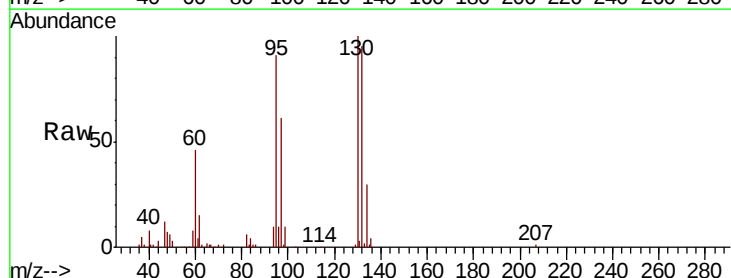
Acq: 16 Nov 2019 00:07

Tgt Ion:130 Resp: 118905

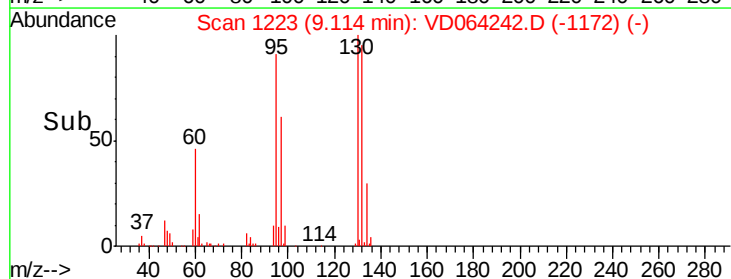
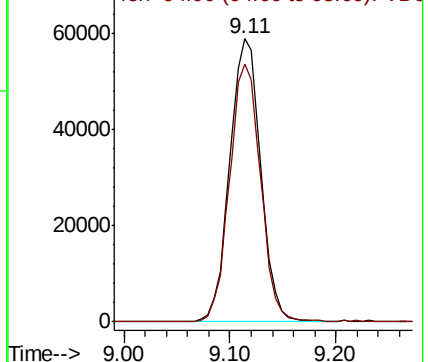
Ion Ratio Lower Upper

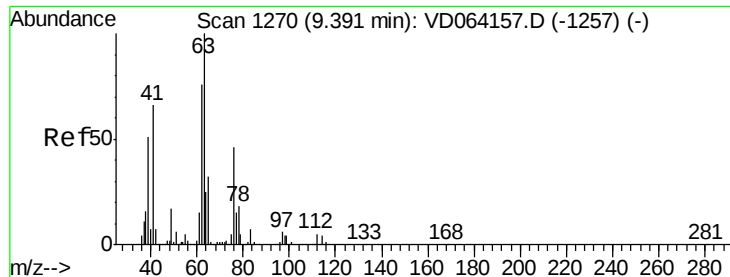
130 100

95 90.9 0.0 181.6



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





#45

1,2-Dichloropropane

Concen: 19.117 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

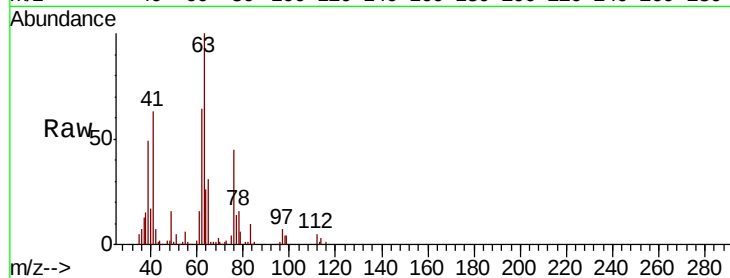
ClientSampleId :

Tot Ion: 63 Resp: 96417

Ion Ratio Lower Upper

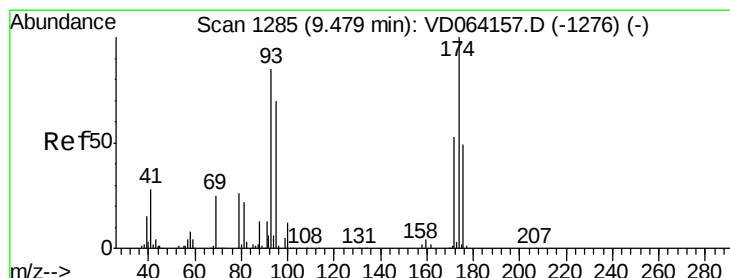
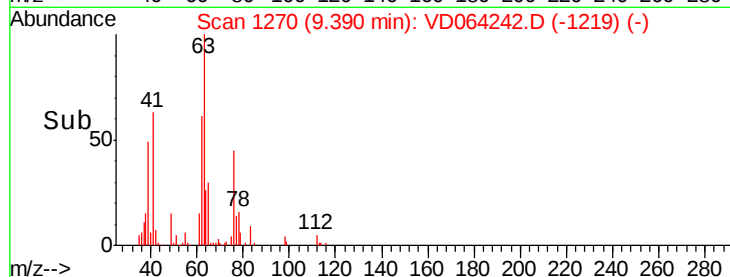
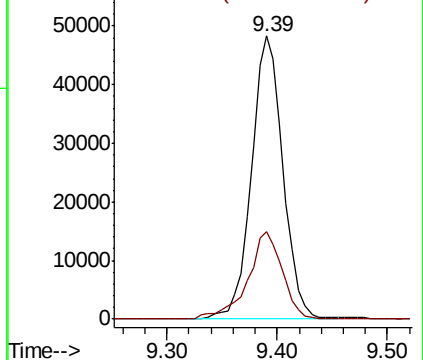
63 100

65 30.9 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: 20.360 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

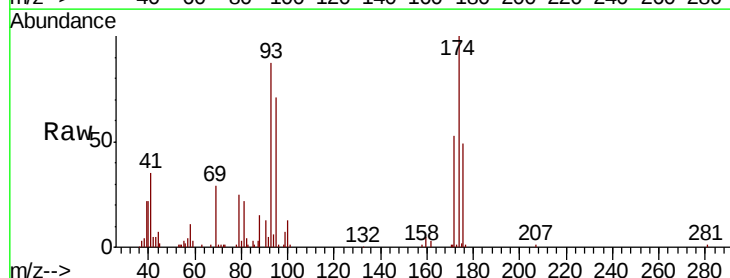
Tgt Ion: 93 Resp: 54971

Ion Ratio Lower Upper

93 100

95 82.0 65.5 98.3

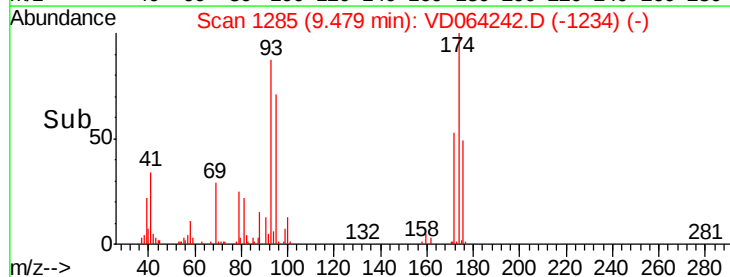
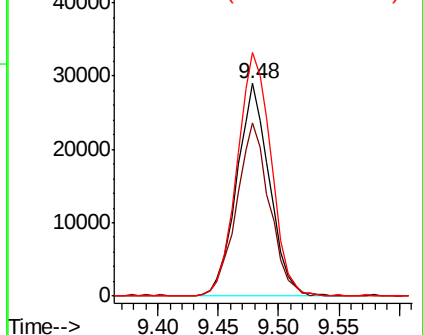
174 118.4 93.9 140.9

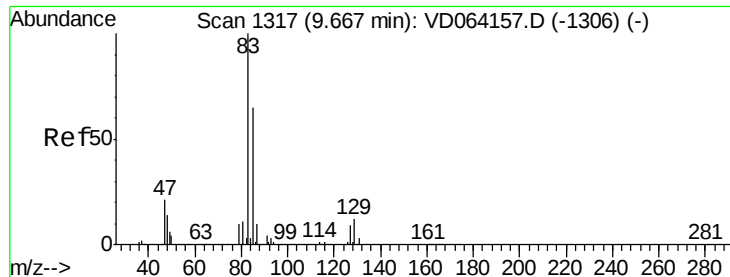


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

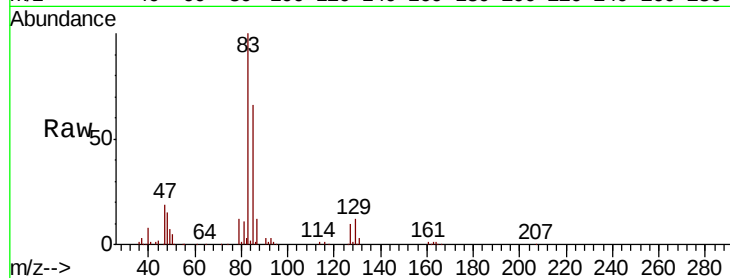




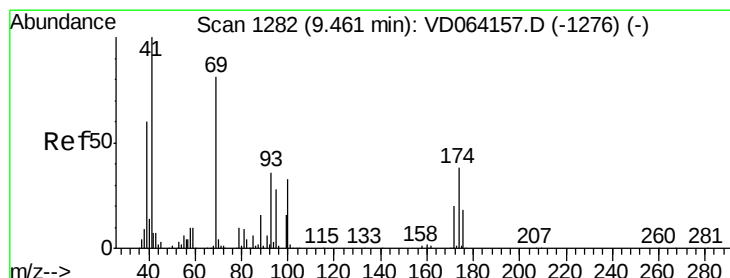
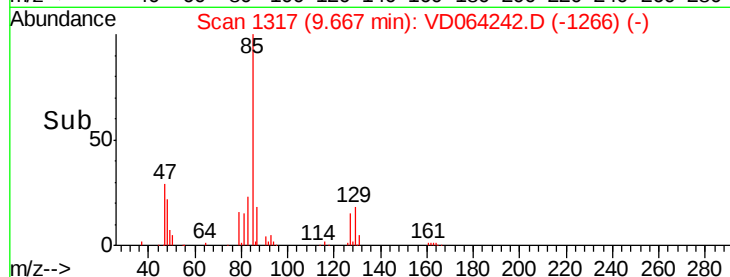
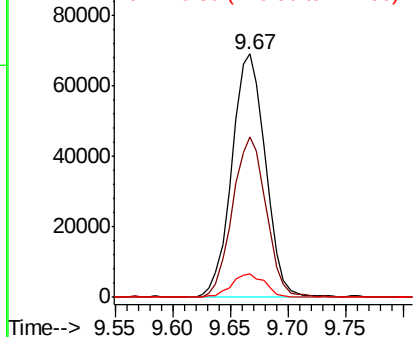
#47
Bromodichloromethane
Concen: 19.122 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 139071
Ion Ratio Lower Upper
83 100
85 65.6 52.2 78.4
127 9.6 7.5 11.3

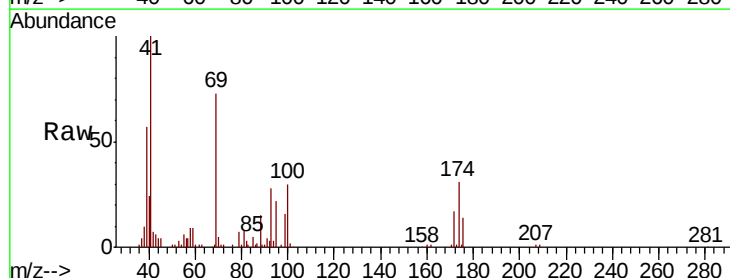


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

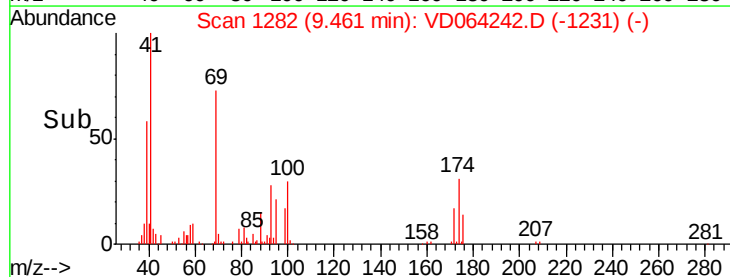
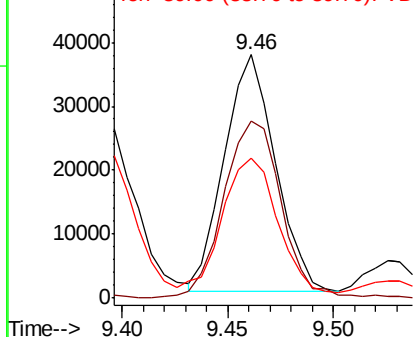


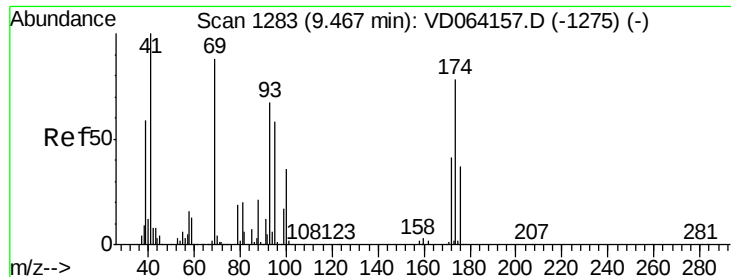
#48
Methyl methacrylate
Concen: 19.224 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion: 41 Resp: 61904
Ion Ratio Lower Upper
41 100
69 85.0 64.6 97.0
39 66.6 48.2 72.2



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

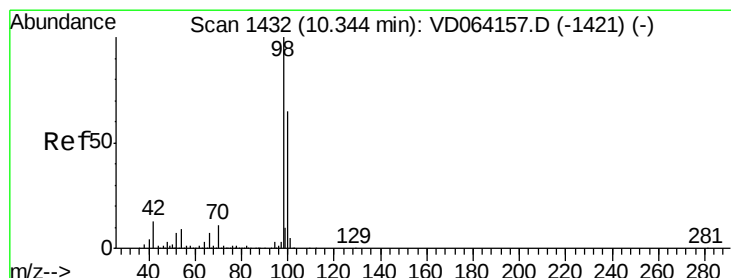
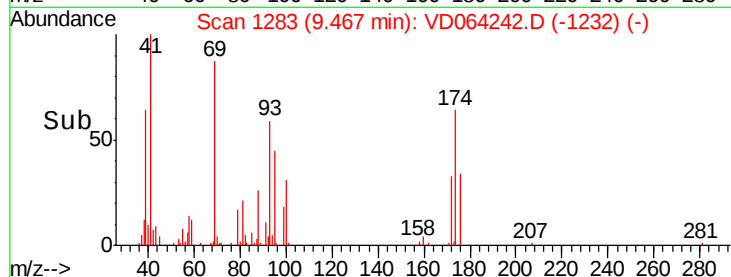
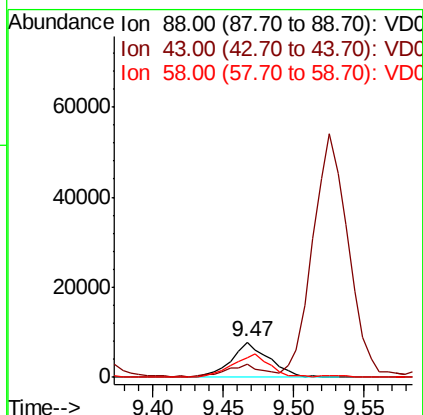
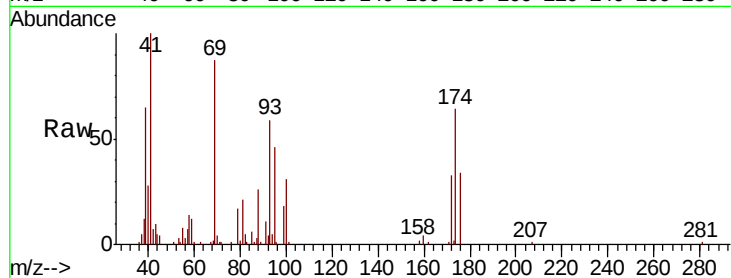




#49
1,4-Dioxane
Concen: 448.206 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

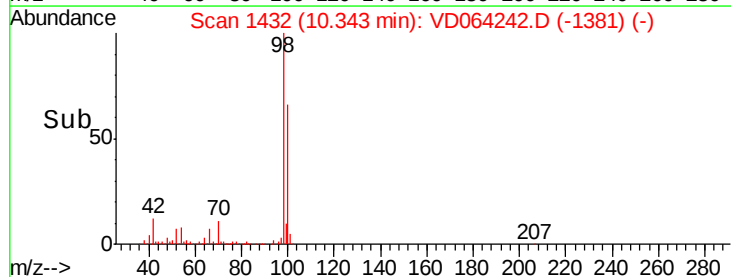
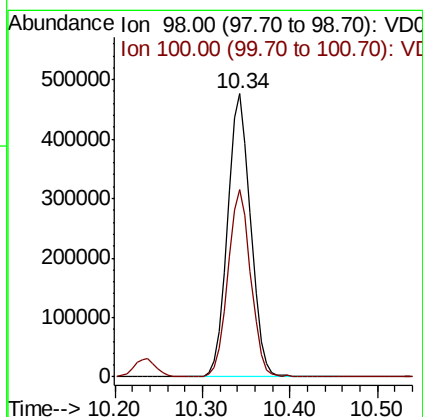
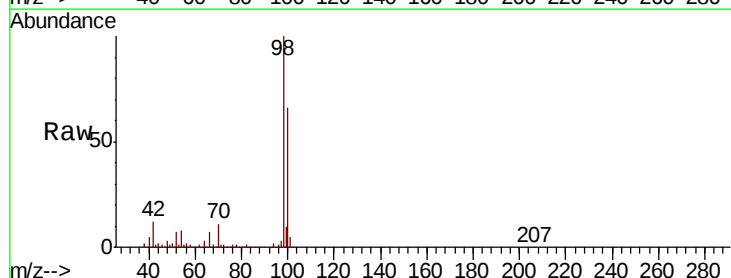
Instrument :
MSVOA_D
ClientSampleId :

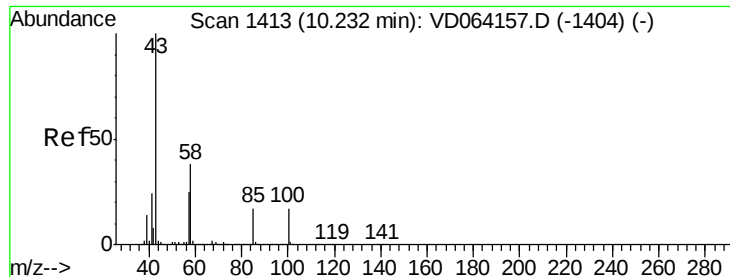
Tot Ion: 88 Resp: 14534
Ion Ratio Lower Upper
88 100
43 33.2 29.8 44.8
58 66.4 58.1 87.1



#50
Toluene-d8
Concen: 48.129 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion: 98 Resp: 856161
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 103.095 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

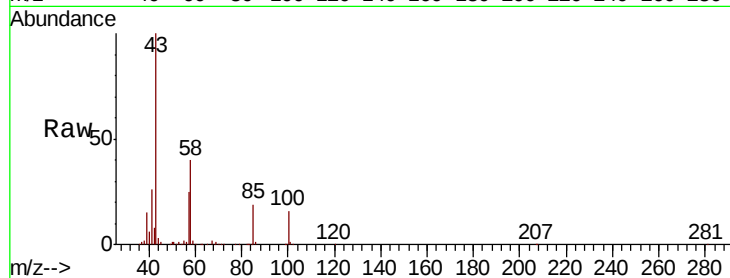
ClientSampleId :

Tot Ion: 43 Resp: 325580

Ion Ratio Lower Upper

43 100

58 38.1 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

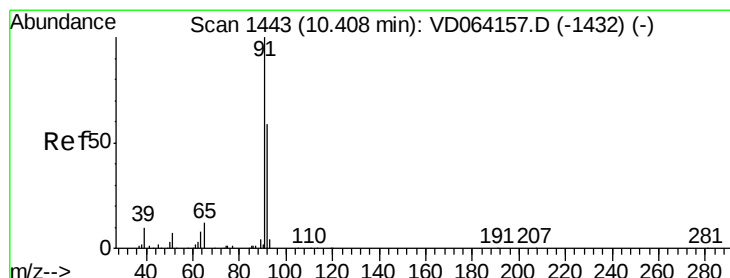
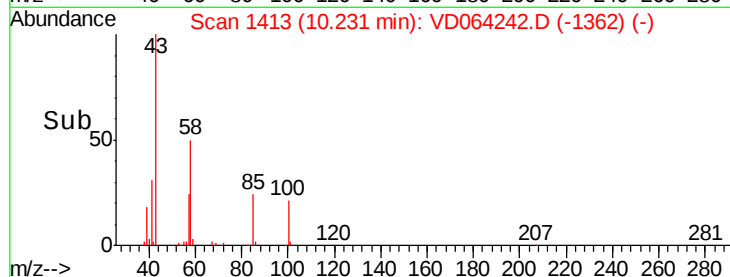
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.793 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064242.D

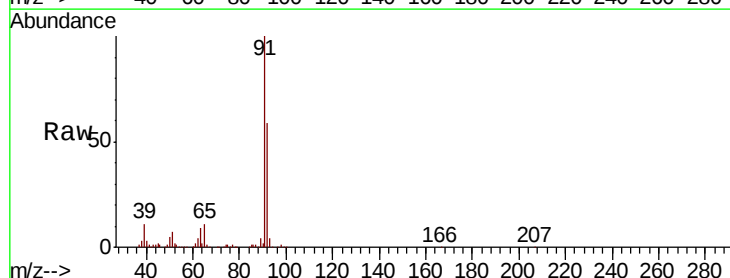
Acq: 16 Nov 2019 00:07

Tgt Ion: 92 Resp: 256061

Ion Ratio Lower Upper

92 100

91 172.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

250000

200000

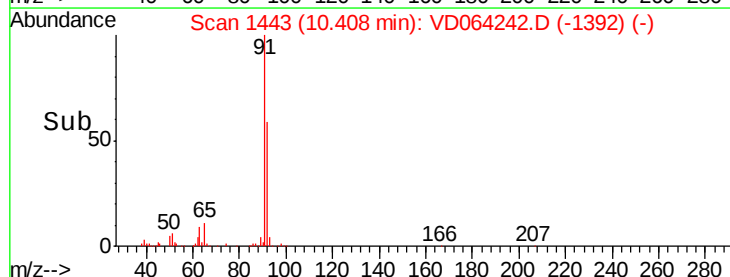
150000

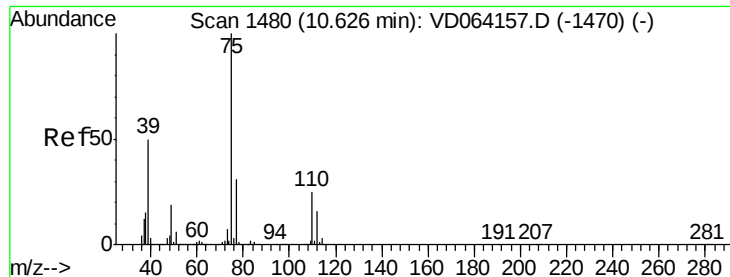
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.574 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

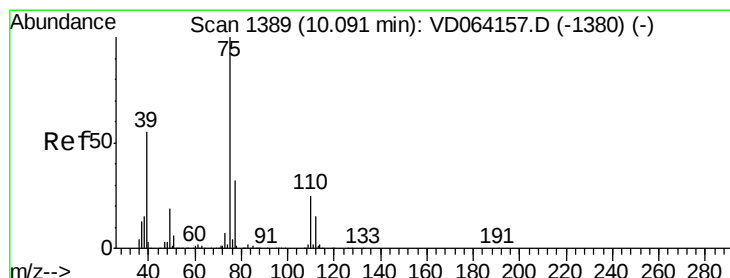
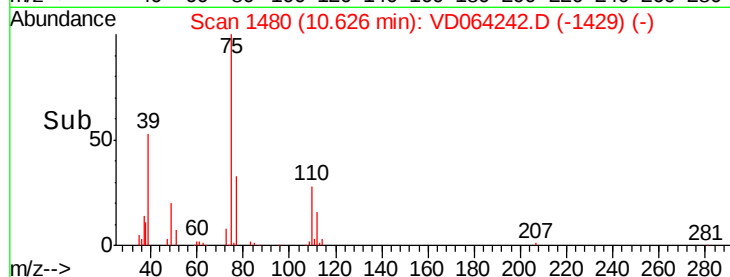
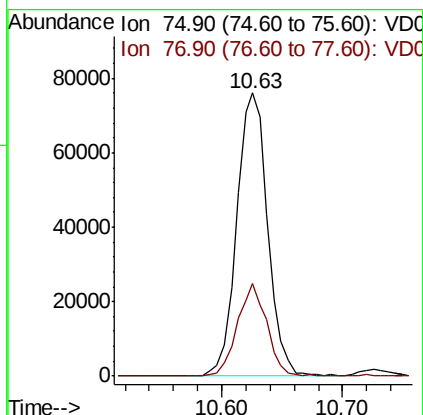
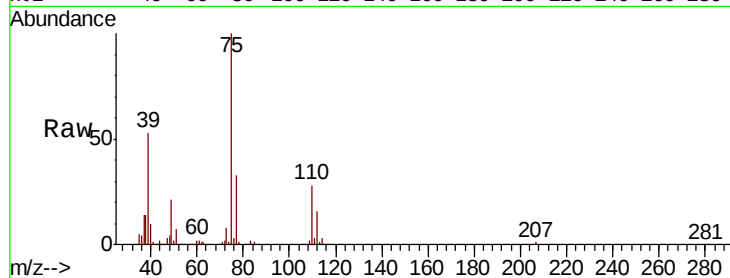
ClientSampleId :

Tot Ion: 75 Resp: 135333

Ion Ratio Lower Upper

75 100

77 32.8 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 18.673 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

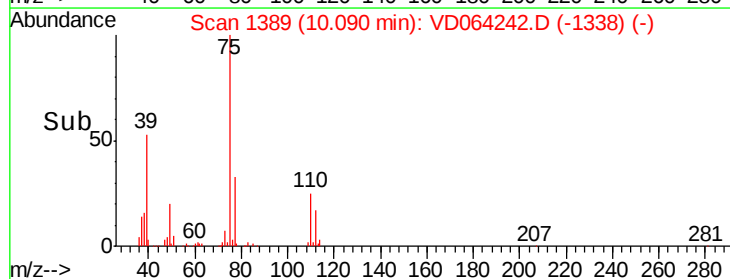
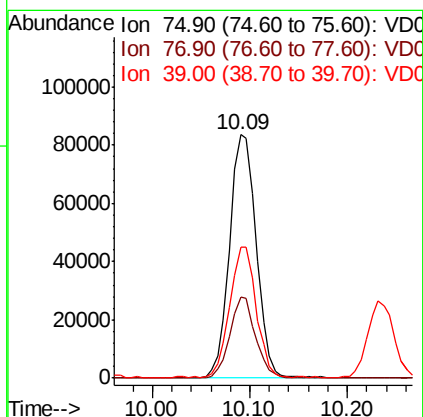
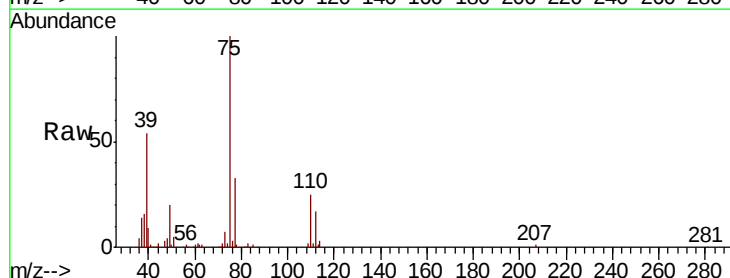
Tgt Ion: 75 Resp: 158768

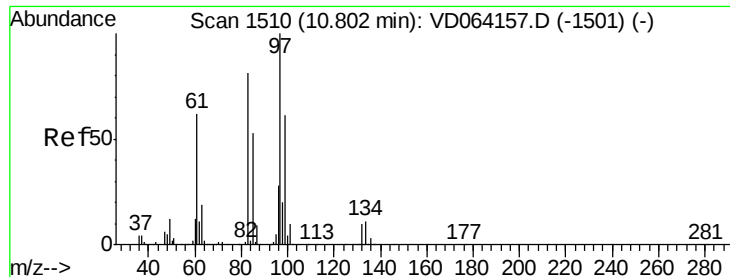
Ion Ratio Lower Upper

75 100

77 33.3 25.2 37.8

39 53.5 44.2 66.2

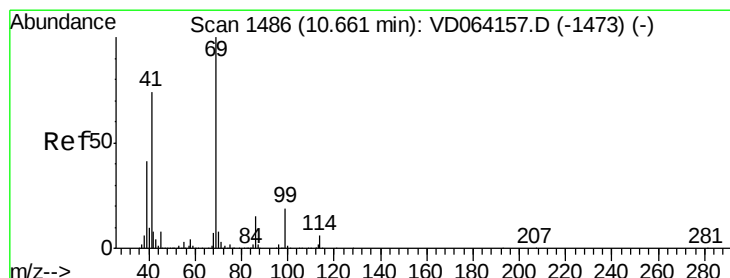
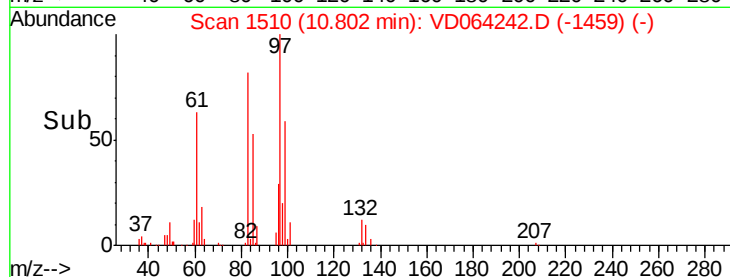
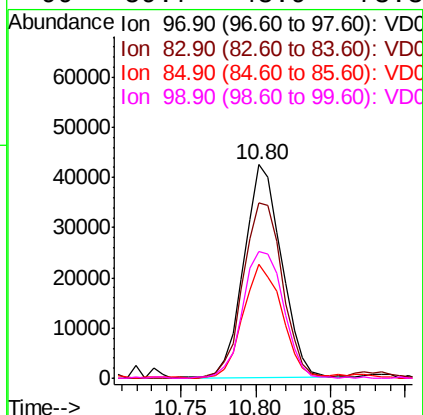
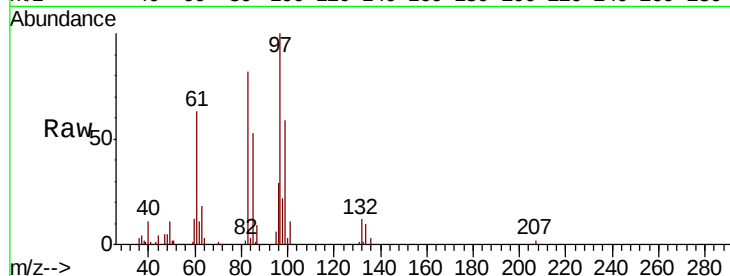




#55
 1,1,2-Trichloroethane
 Concen: 20.163 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

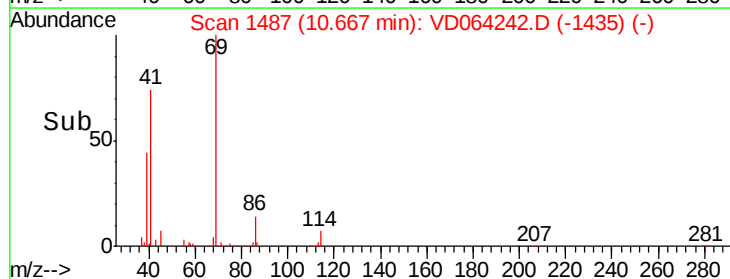
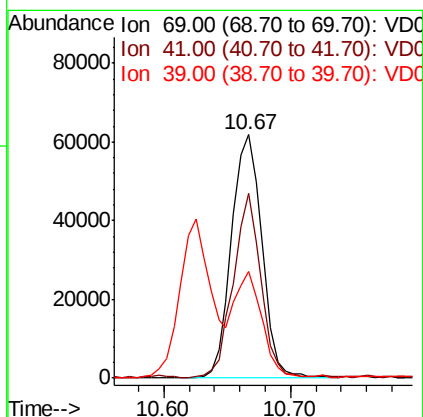
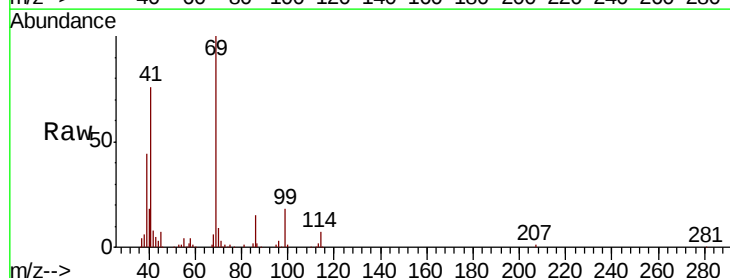
Instrument :
 MSVOA_D
 ClientSampleId :

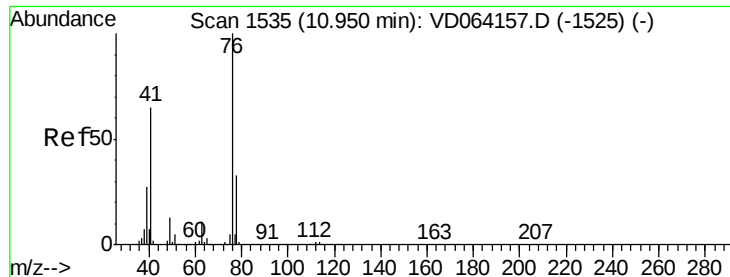
Tot Ion:	97	Resp:	73852
Ion	Ratio	Lower	Upper
97	100		
83	82.8	65.1	97.7
85	53.6	42.0	63.0
99	59.7	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 20.065 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion:	69	Resp:	102808
Ion	Ratio	Lower	Upper
69	100		
41	67.7	57.9	86.9
39	39.3	29.0	43.4

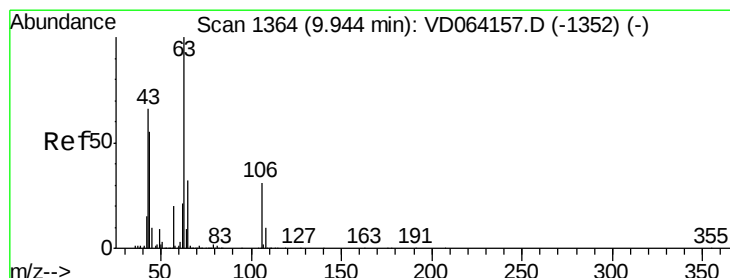
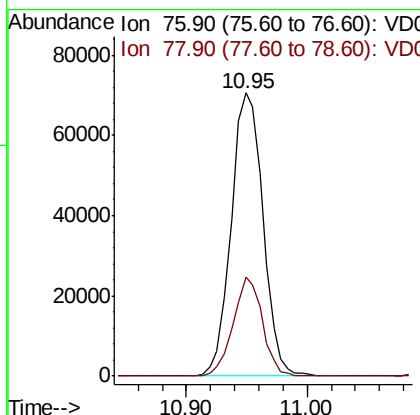
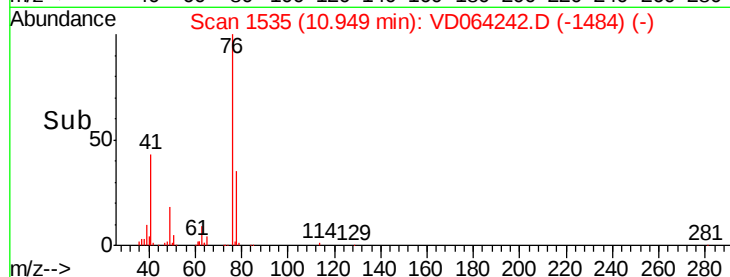
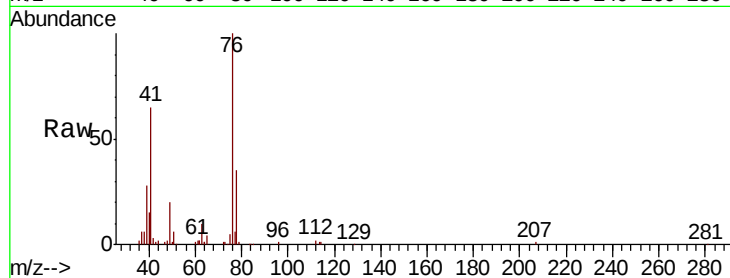




#57
 1,3-Dichloropropane
 Concen: 20.338 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

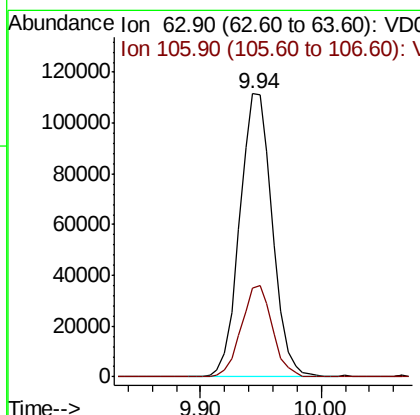
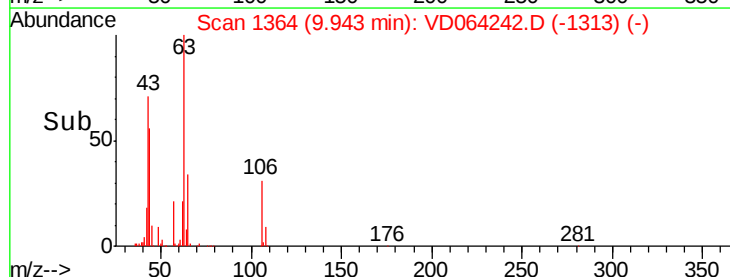
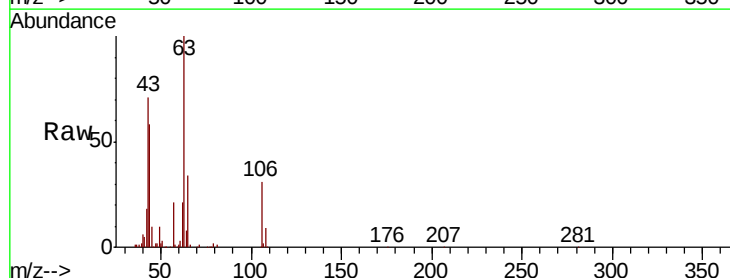
Instrument :
 MSVOA_D
 ClientSampled :

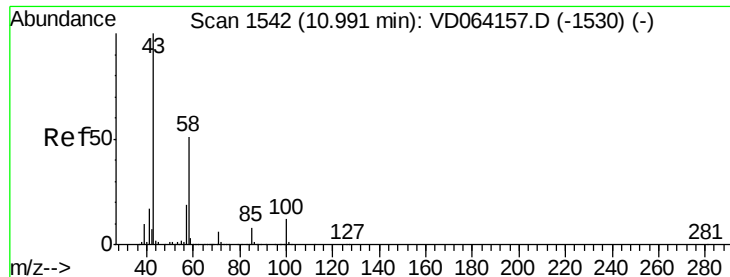
Tot Ion: 76 Resp: 129915
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.969 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion: 63 Resp: 209560
 Ion Ratio Lower Upper
 63 100
 106 30.8 24.1 36.1

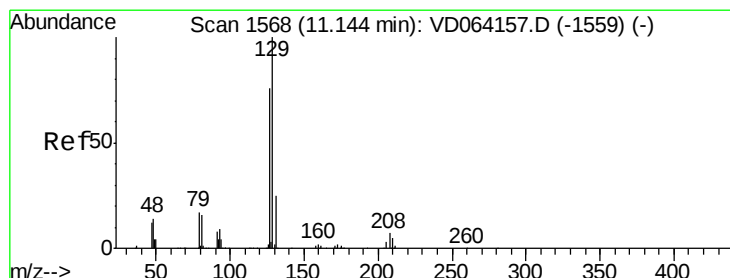
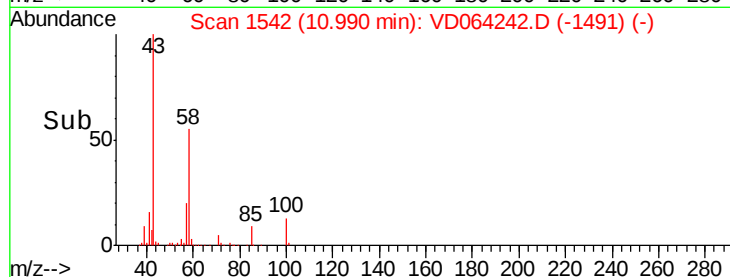
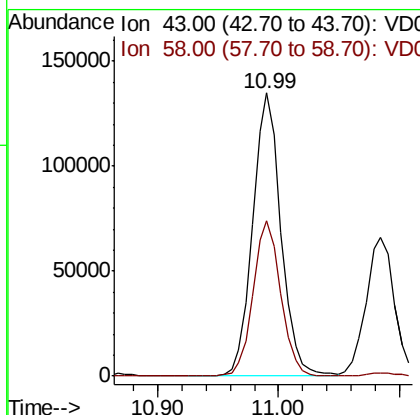
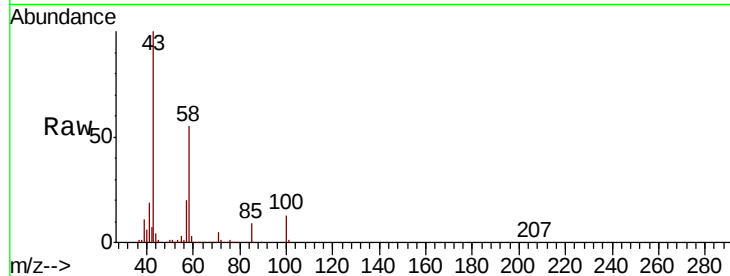




#59
2-Hexanone
Concen: 97.376 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

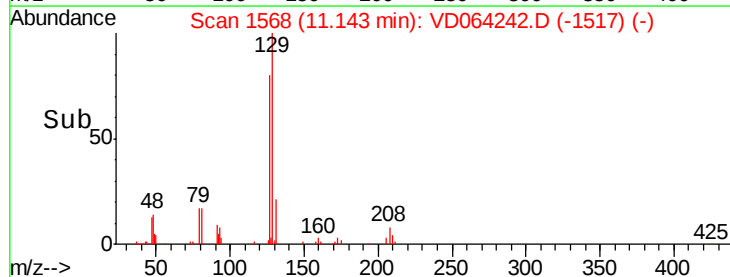
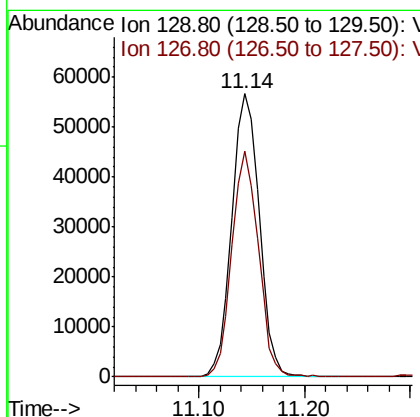
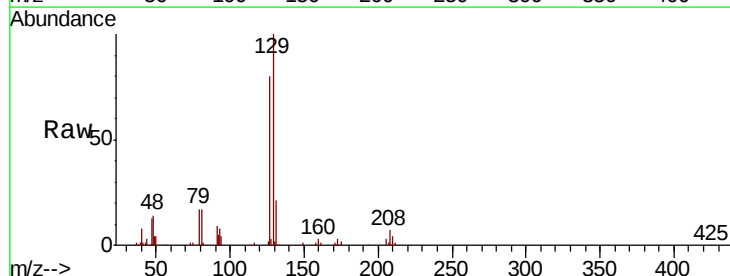
Instrument :
MSVOA_D
ClientSampleId :

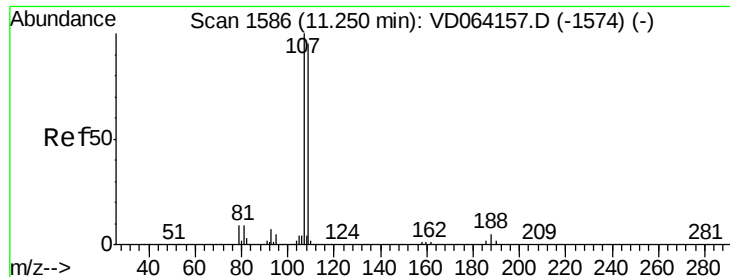
Tot Ion: 43 Resp: 218784
Ion Ratio Lower Upper
43 100
58 53.9 25.9 77.7



#60
Dibromochloromethane
Concen: 19.979 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion: 129 Resp: 102109
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8

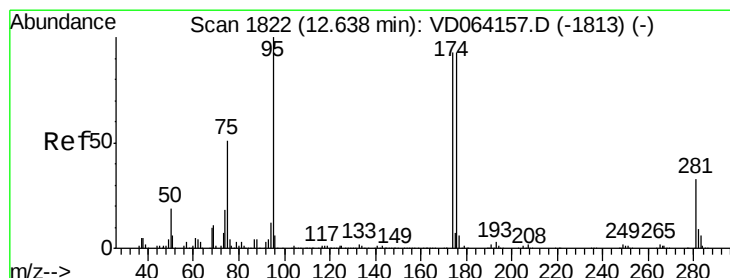
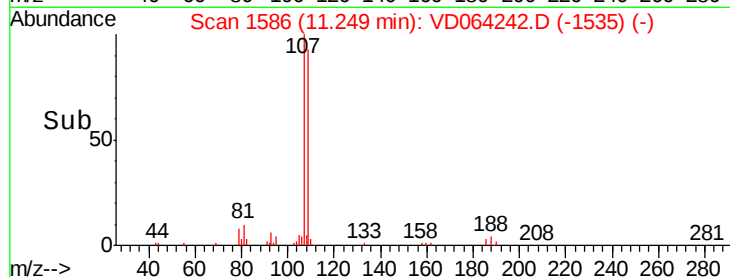
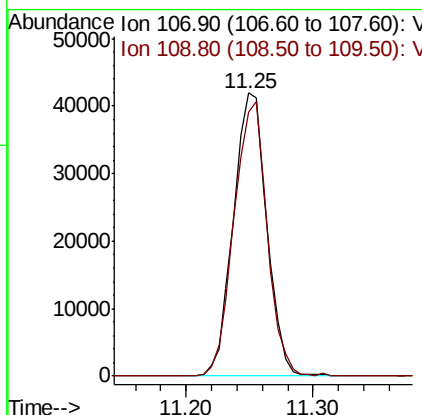
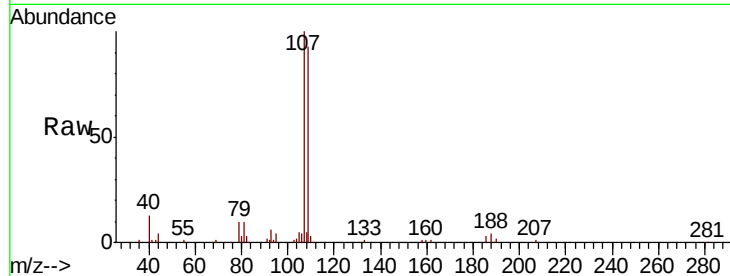




#61
 1,2-Dibromoethane
 Concen: 20.864 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

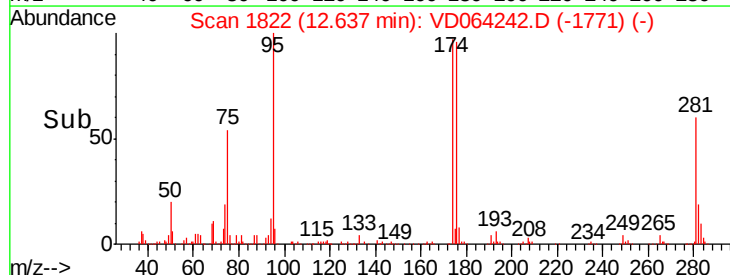
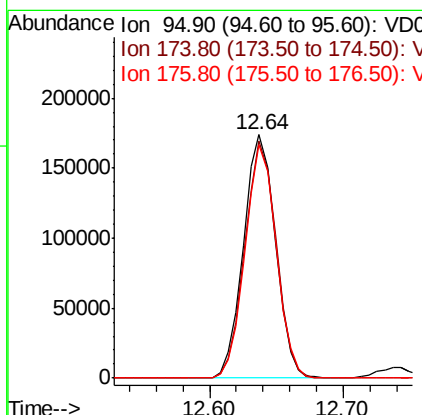
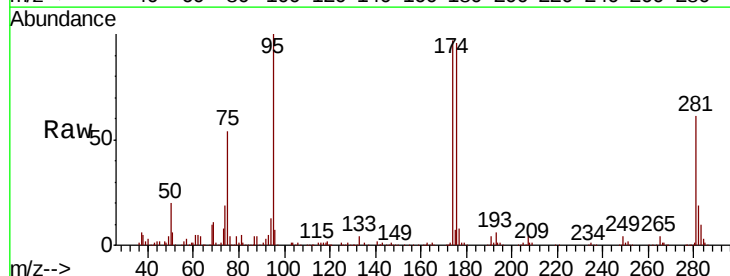
Instrument :
 MSVOA_D
 ClientSampleId :

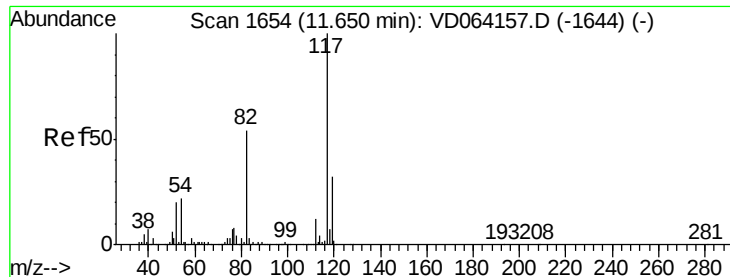
Tot Ion:107 Resp: 76541
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 46.581 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion: 95 Resp: 286957
 Ion Ratio Lower Upper
 95 100
 174 95.6 0.0 183.6
 176 93.3 0.0 180.2

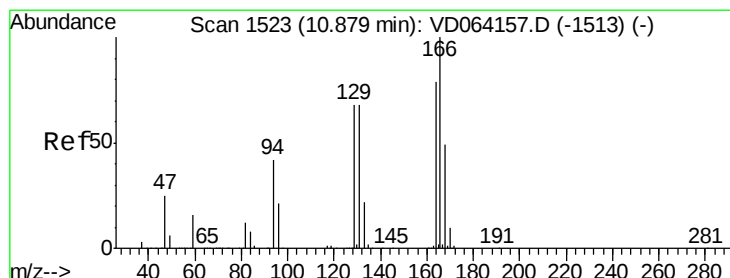
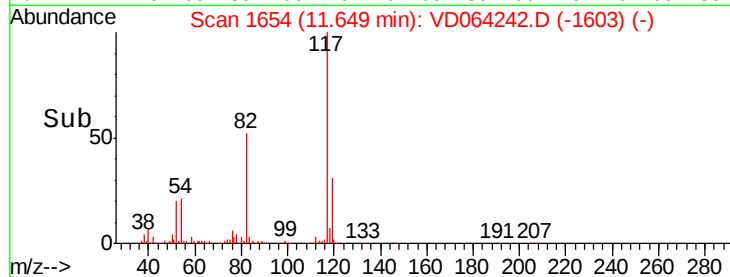
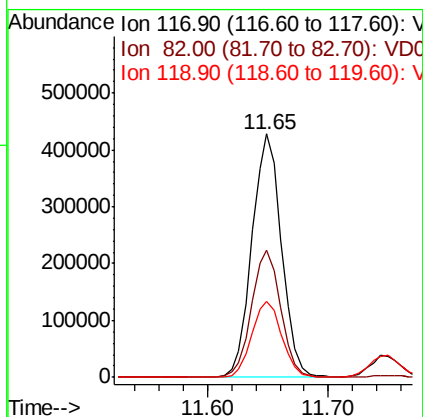
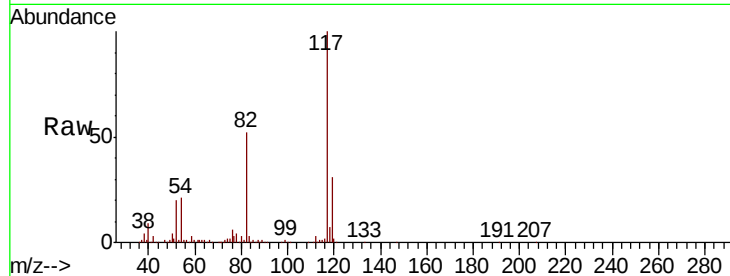




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

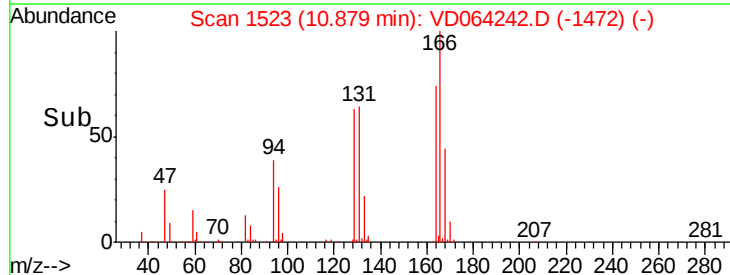
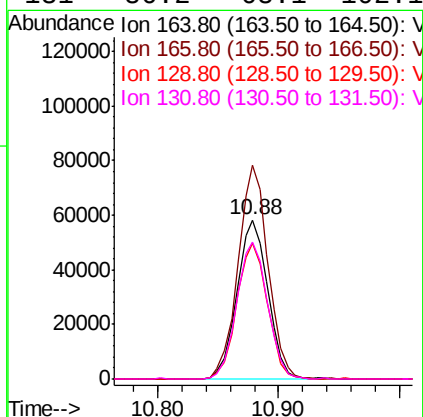
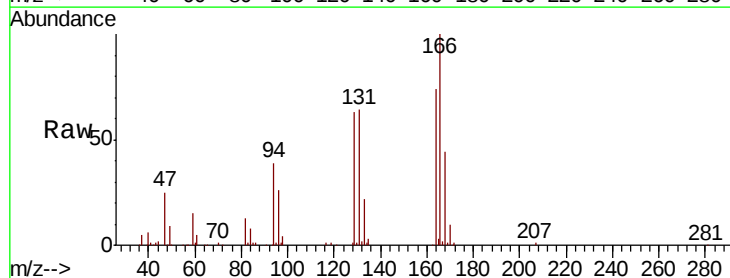
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 729747
Ion Ratio Lower Upper
117 100
82 52.0 42.8 64.2
119 31.4 25.6 38.4



#64
Tetrachloroethene
Concen: 18.492 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion:164 Resp: 103783
Ion Ratio Lower Upper
164 100
166 134.4 100.8 151.2
129 85.2 68.7 103.1
131 86.2 68.1 102.1

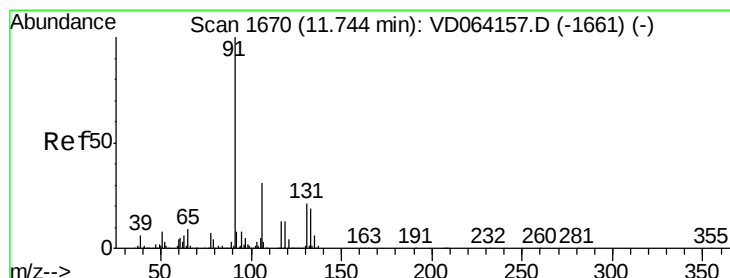
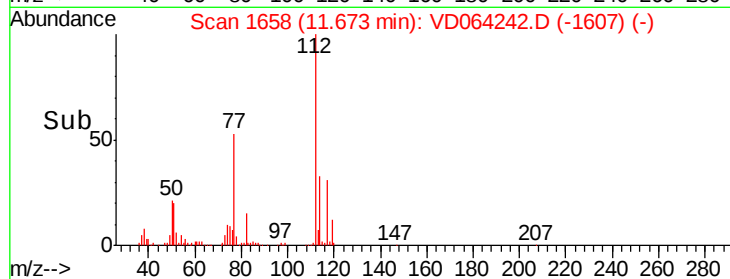
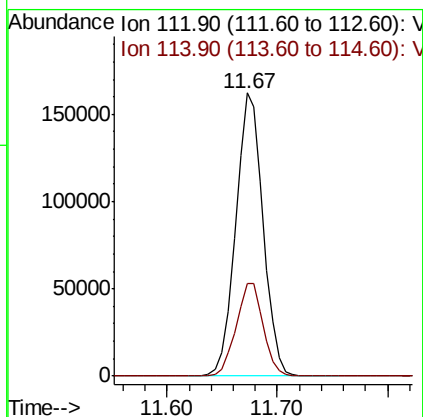
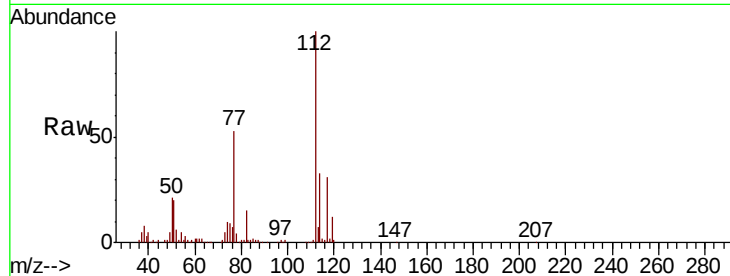




#65
Chlorobenzene
Concen: 18.933 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

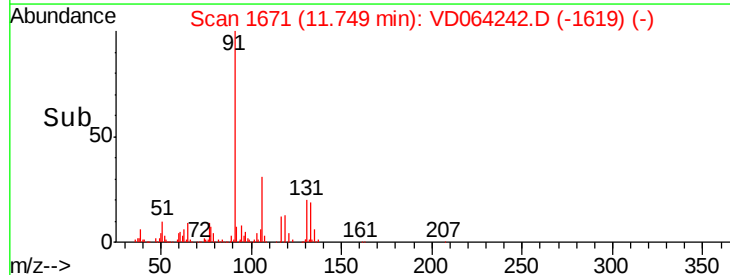
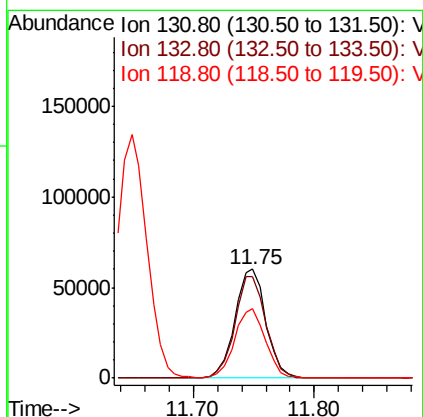
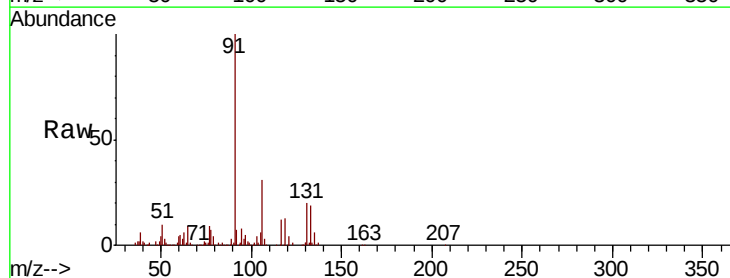
Instrument :
MSVOA_D
ClientSampleId :

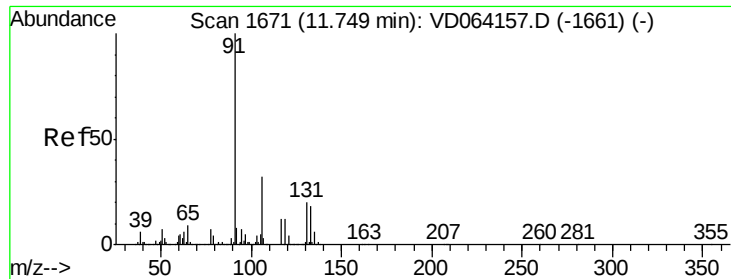
Tot Ion:112 Resp: 280959
Ion Ratio Lower Upper
112 100
114 32.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.019 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion:131 Resp: 107317
Ion Ratio Lower Upper
131 100
133 93.1 47.3 141.9
119 63.6 31.1 93.3

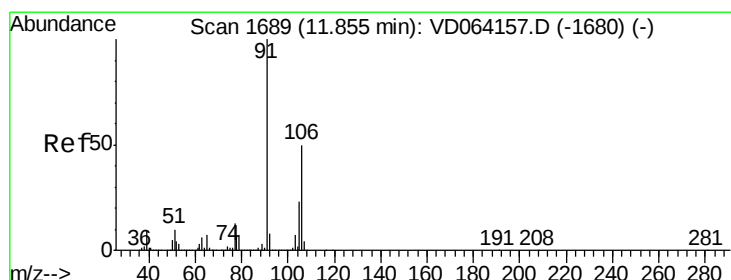
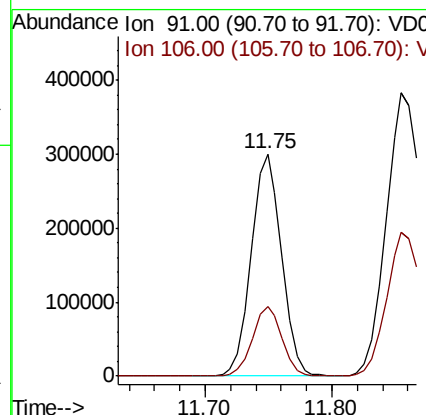
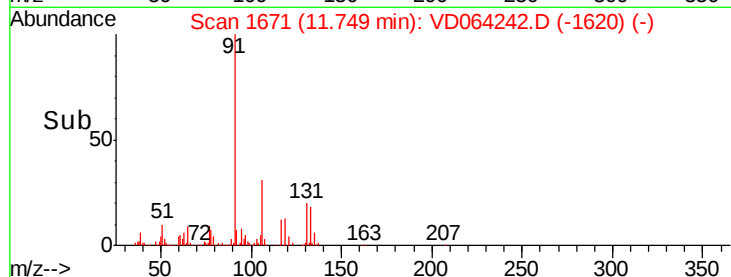
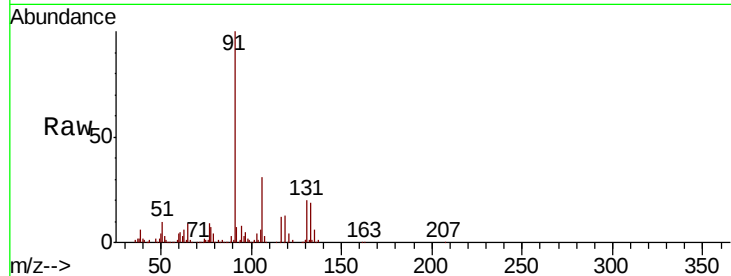




#67
Ethyl Benzene
Concen: 18.596 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

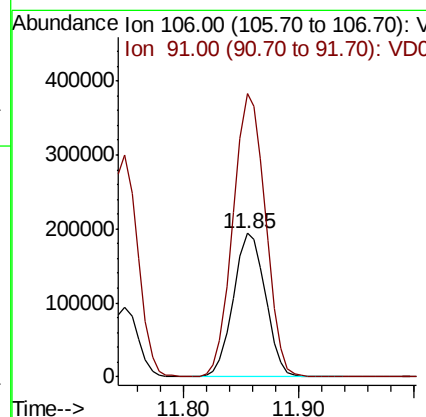
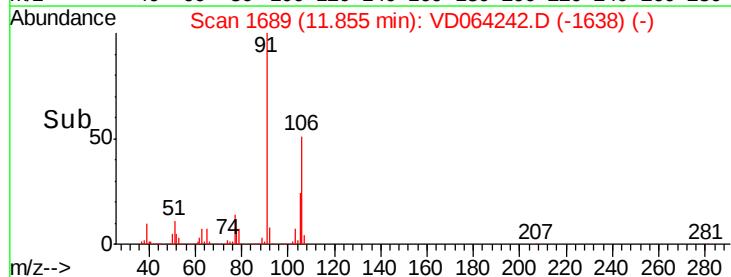
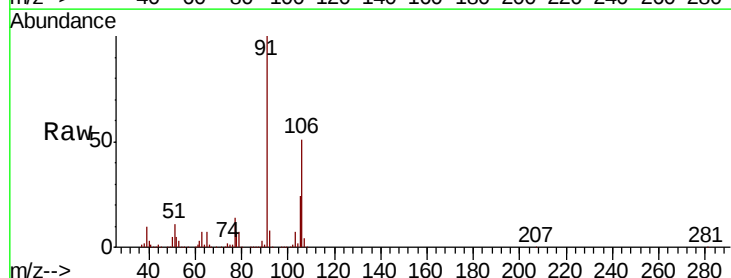
Instrument :
MSVOA_D
ClientSampleId :

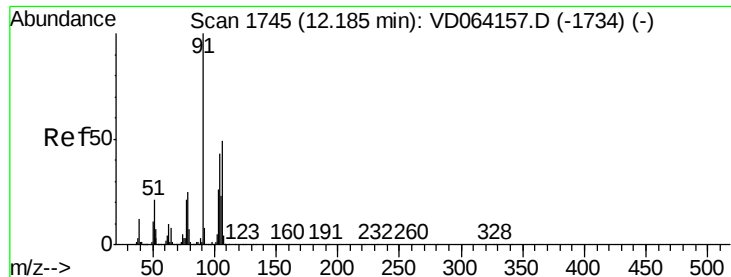
Tot Ion: 91 Resp: 499163
Ion Ratio Lower Upper
91 100
106 31.3 25.5 38.3



#68
m/p-Xylenes
Concen: 36.423 ug/l
RT: 11.85 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion: 106 Resp: 374739
Ion Ratio Lower Upper
106 100
91 199.2 160.3 240.5

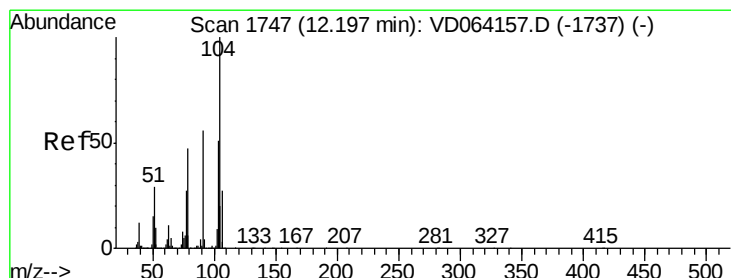
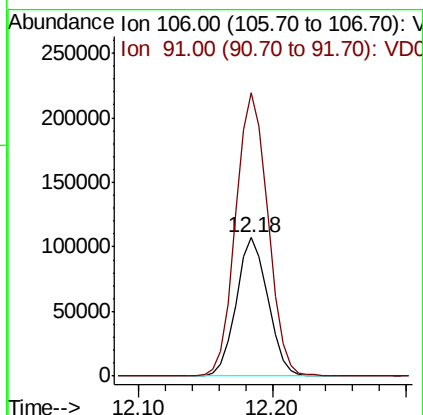
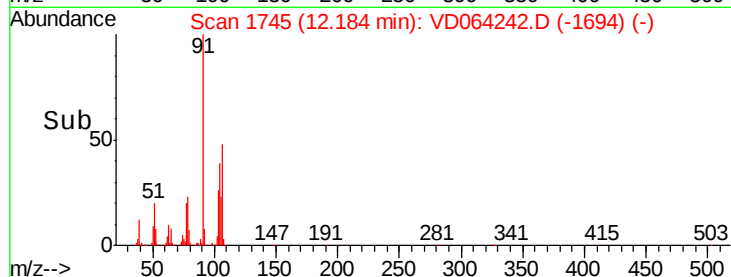
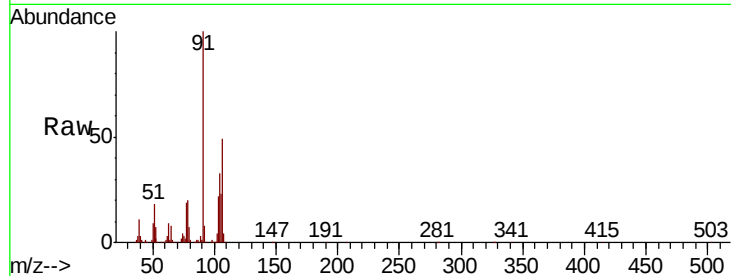




#69
o-Xylene
Concen: 18.406 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

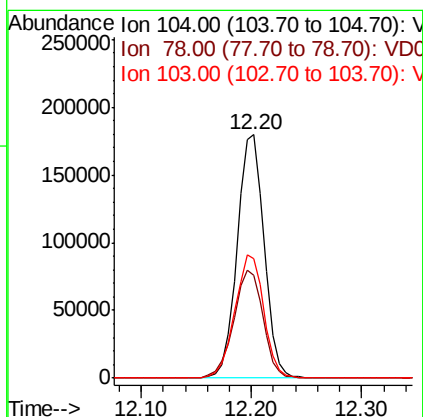
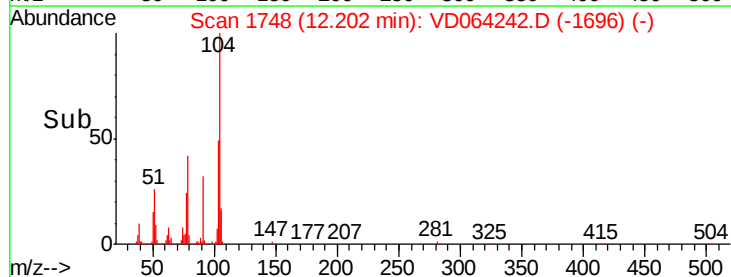
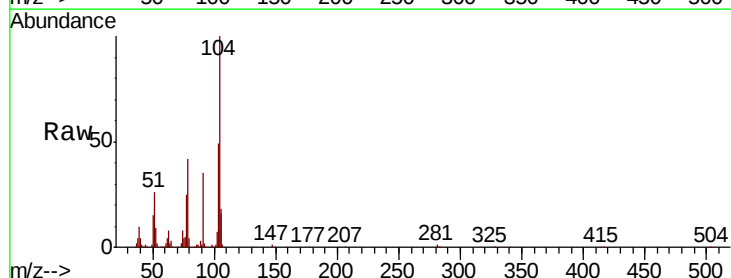
Instrument :
MSVOA_D
ClientSampled :

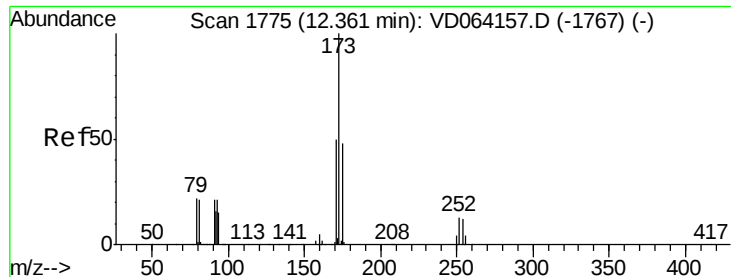
Tot Ion:106 Resp: 175628
Ion Ratio Lower Upper
106 100
91 209.0 105.1 315.3



#70
Styrene
Concen: 18.536 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion:104 Resp: 308738
Ion Ratio Lower Upper
104 100
78 48.3 39.9 59.9
103 54.3 43.4 65.0





#71

Bromoform

Concen: 19.907 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

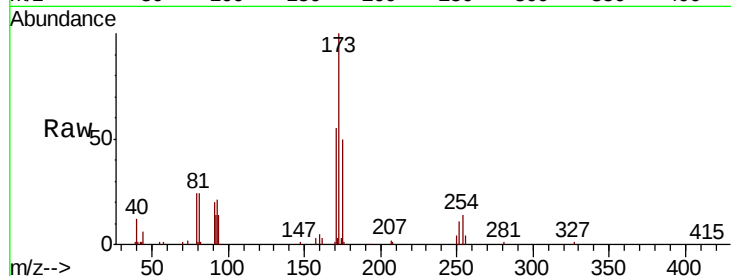
Tot Ion:173 Resp: 63926

Ion Ratio Lower Upper

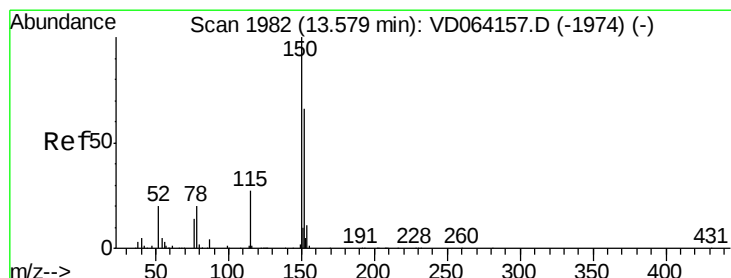
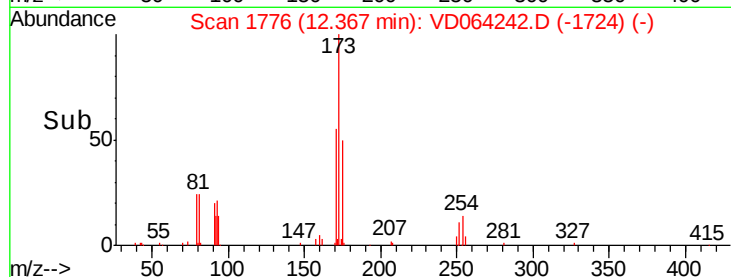
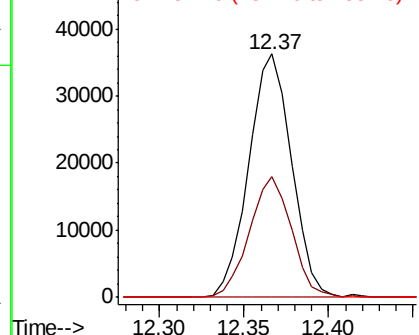
173 100

175 48.9 24.1 72.3

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

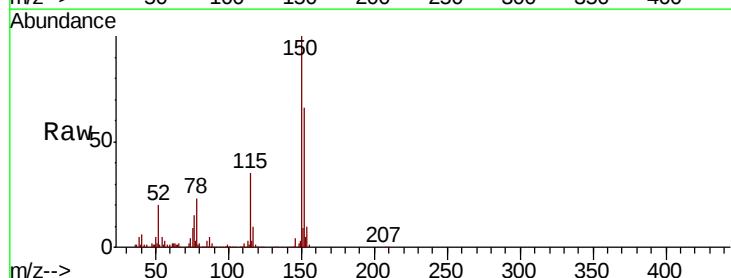
Tgt Ion:152 Resp: 354032

Ion Ratio Lower Upper

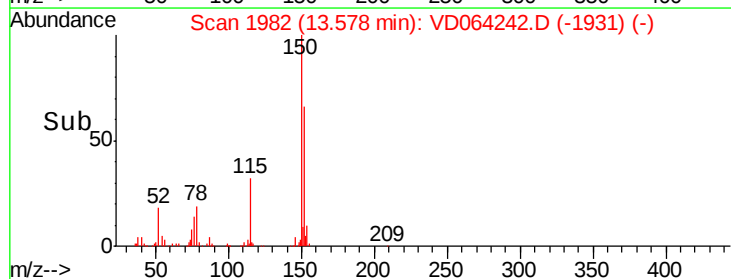
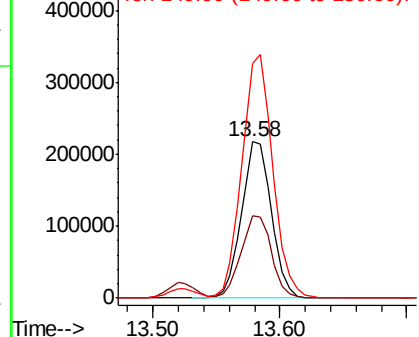
152 100

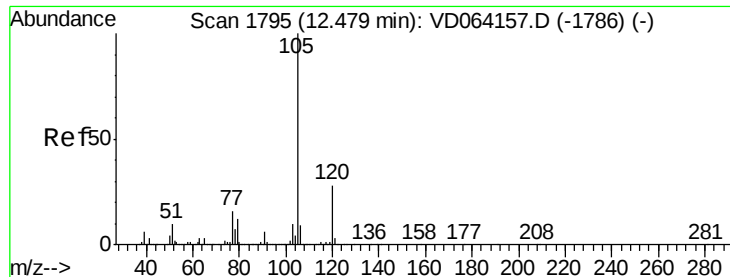
115 53.6 27.4 82.2

150 161.1 0.0 351.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.244 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

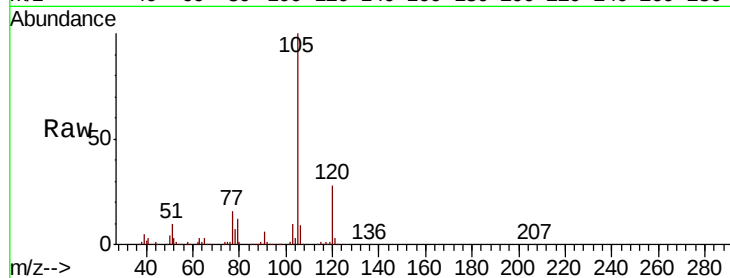
ClientSampleId :

Tot Ion:105 Resp: 474085

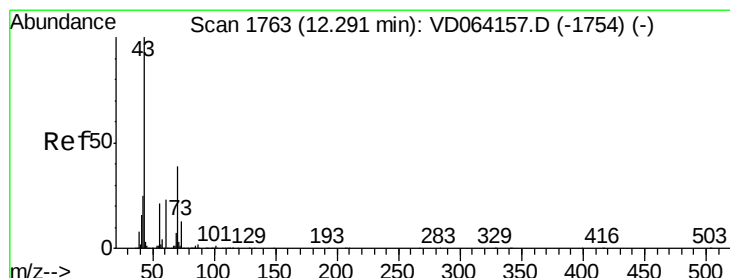
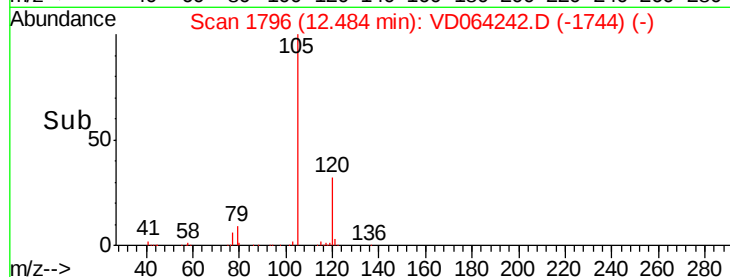
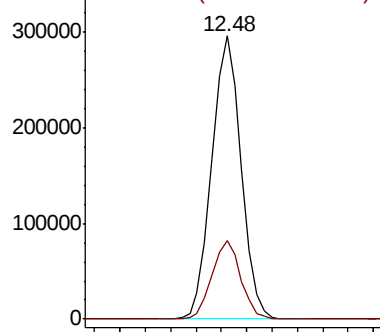
Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V



#74

N-ethyl acetate

Concen: 18.510 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Tgt Ion: 43 Resp: 113583

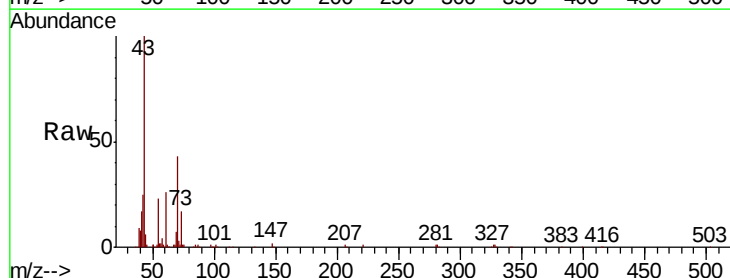
Ion Ratio Lower Upper

43 100

70 41.5 32.4 48.6

55 24.3 17.9 26.9

61 24.1 19.0 28.4

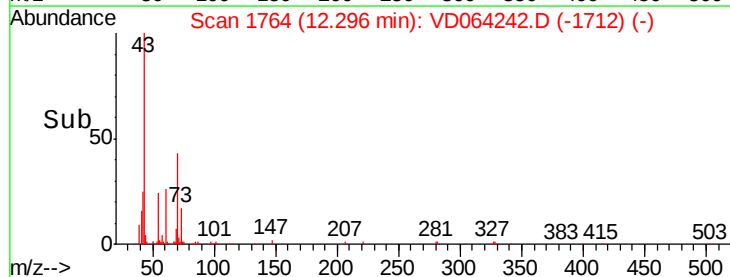
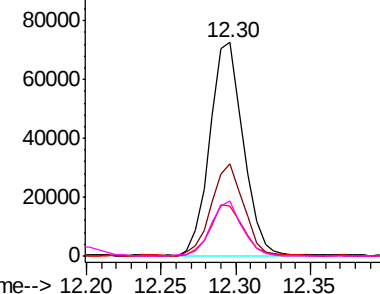


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.688 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

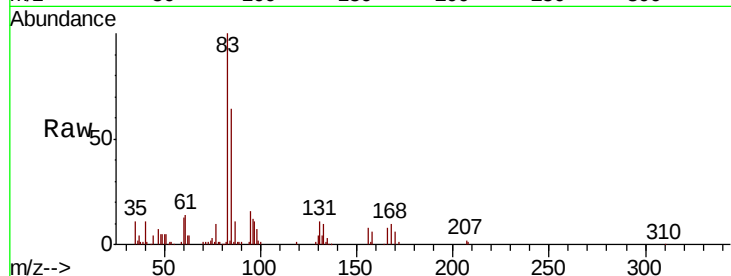
Tot Ion: 83 Resp: 81005

Ion Ratio Lower Upper

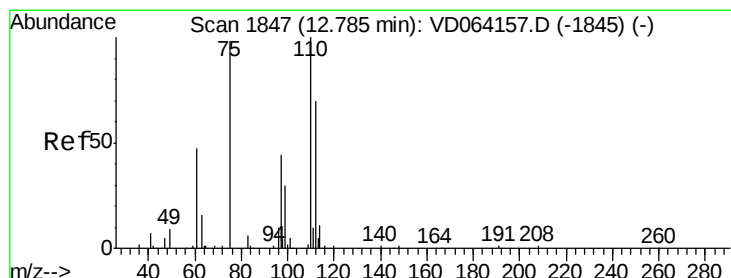
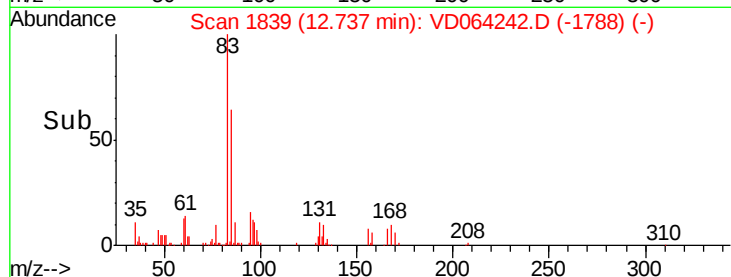
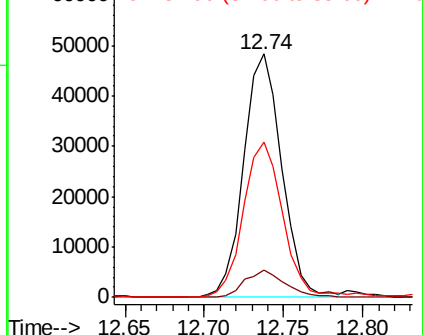
83 100

131 11.7 5.9 17.7

85 65.8 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: 36.990 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064242.D

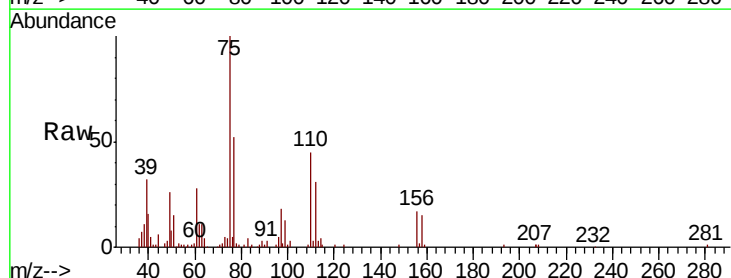
Acq: 16 Nov 2019 00:07

Tgt Ion: 75 Resp: 105480

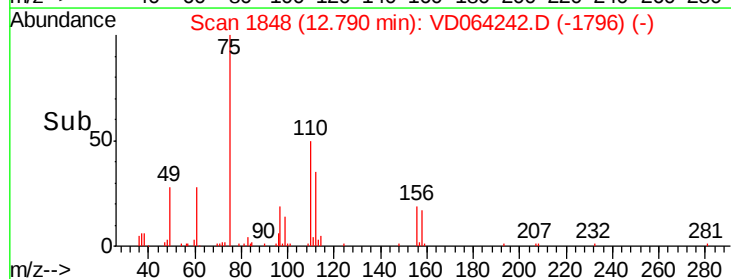
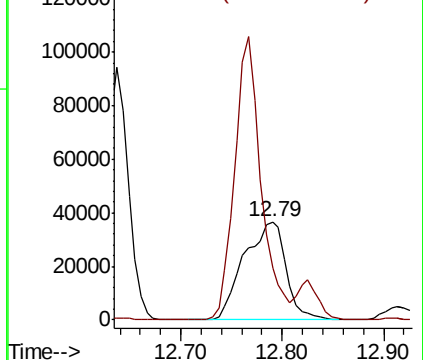
Ion Ratio Lower Upper

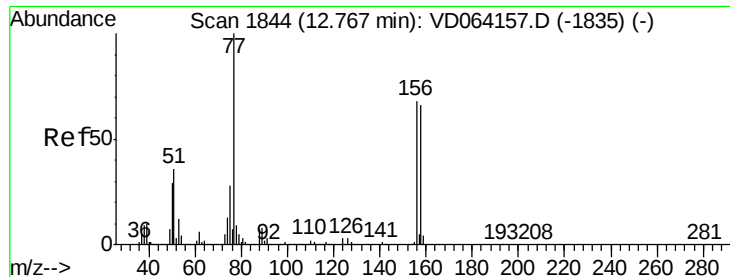
75 100

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: 18.781 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

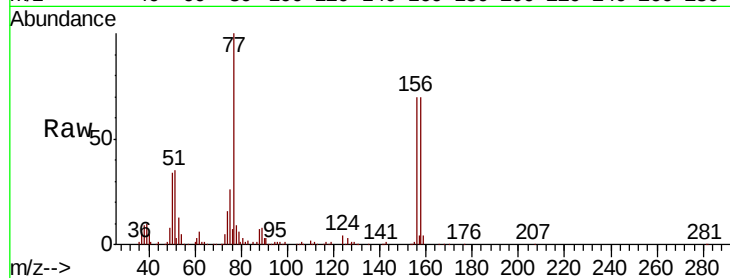
Tot Ion:156 Resp: 118568

Ion Ratio Lower Upper

156 100

77 161.9 81.2 243.4

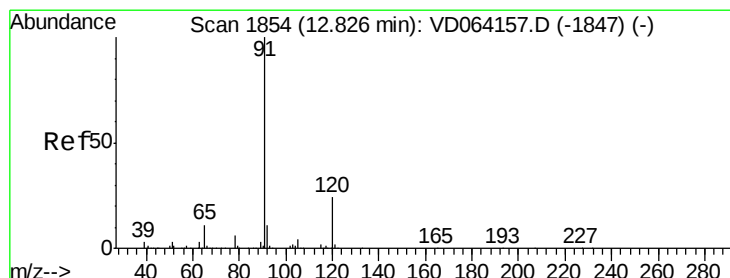
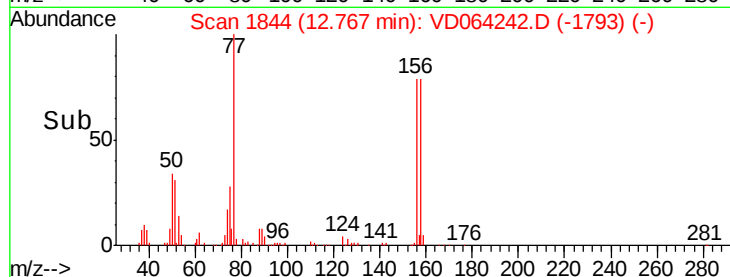
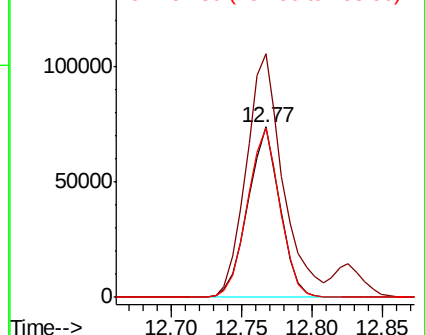
158 100.4 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.572 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064242.D

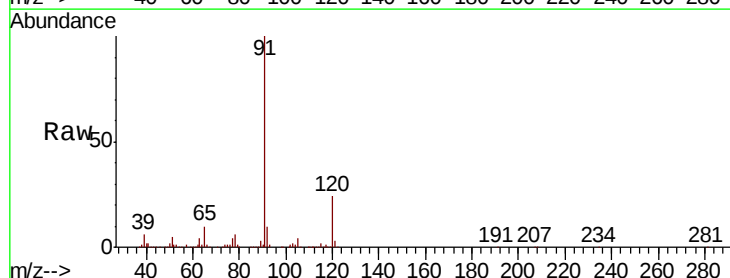
Acq: 16 Nov 2019 00:07

Tgt Ion: 91 Resp: 551400

Ion Ratio Lower Upper

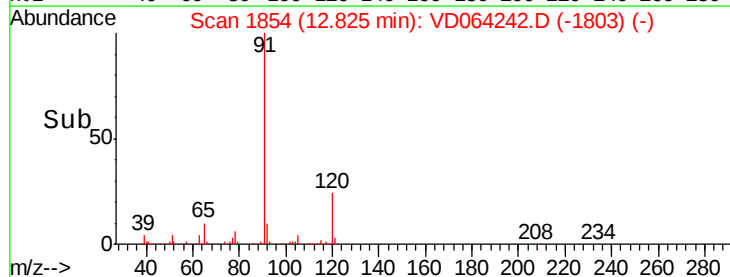
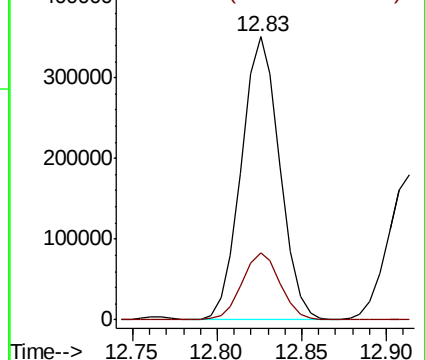
91 100

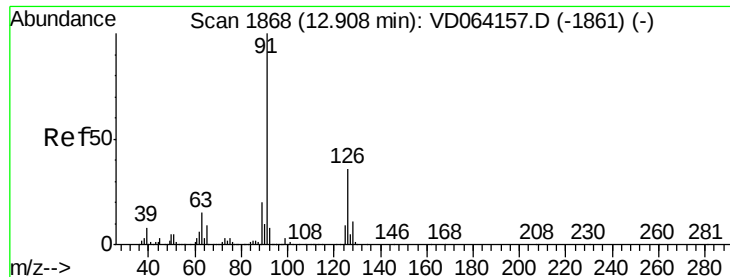
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

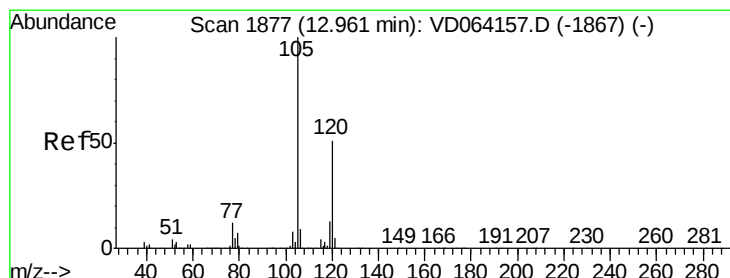
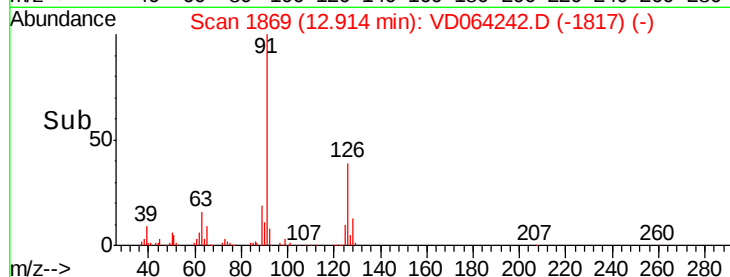
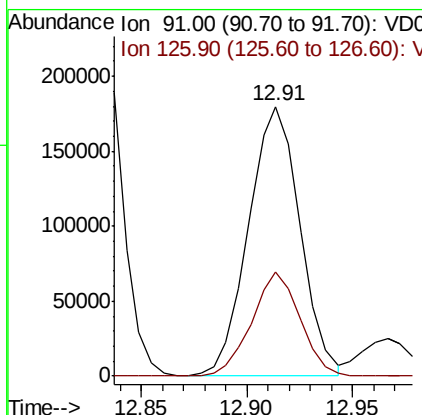
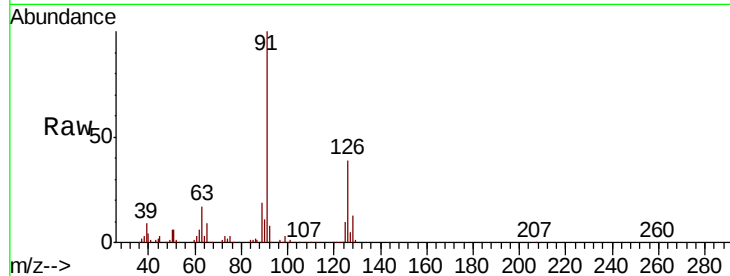




#79
 2-Chlorotoluene
 Concen: 18.105 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

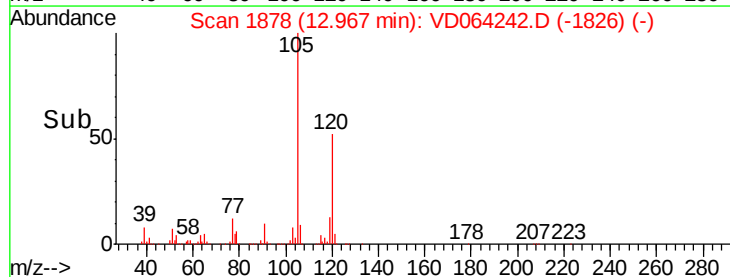
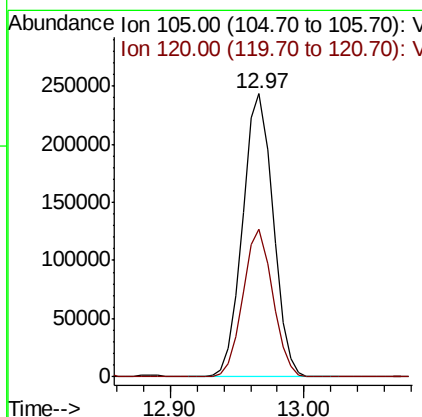
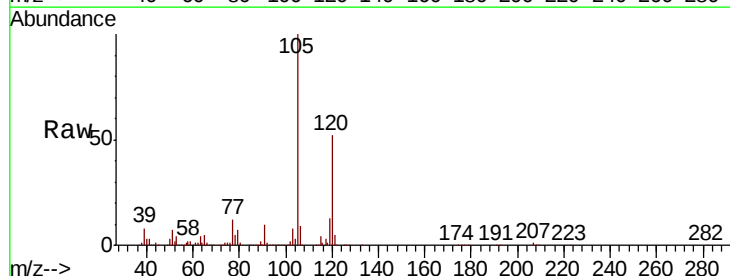
Instrument :
 MSVOA_D
 ClientSampleId :

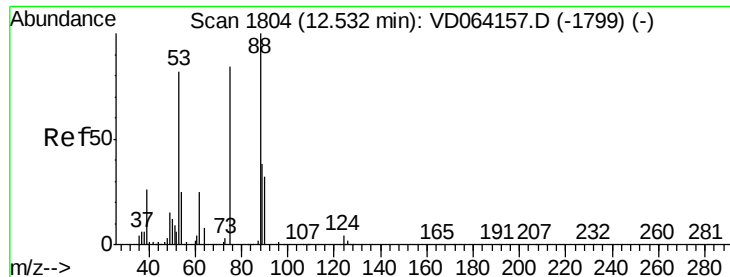
Tot Ion: 91 Resp: 303467
 Ion Ratio Lower Upper
 91 100
 126 36.6 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 17.989 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion: 105 Resp: 384108
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.908 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

ClientSampleId :

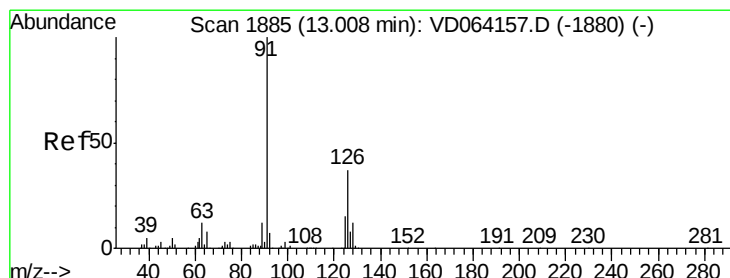
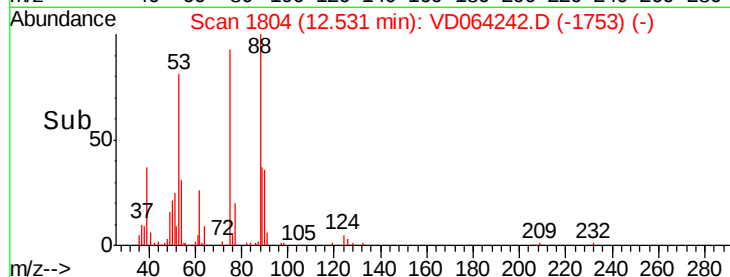
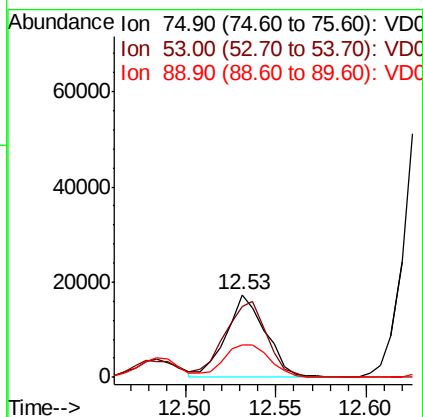
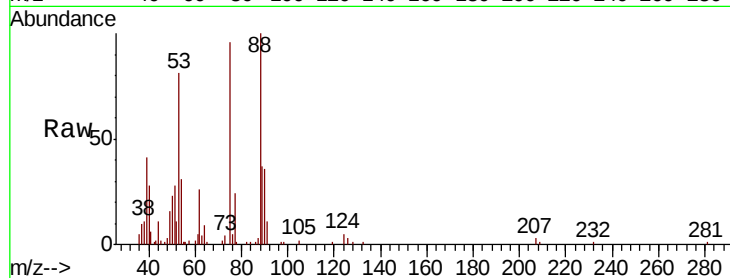
Tot Ion: 75 Resp: 25708

Ion Ratio Lower Upper

75 100

53 101.1 79.4 119.0

89 46.2 36.6 55.0



#82

4-Chlorotoluene

Concen: 17.827 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064242.D

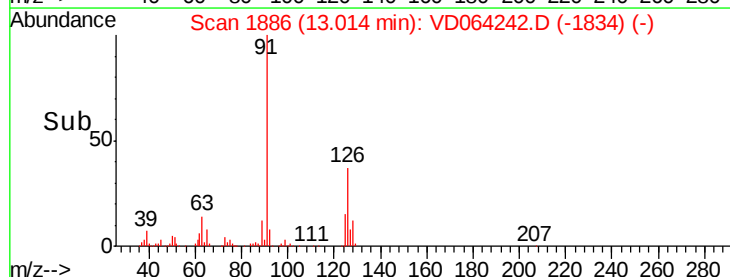
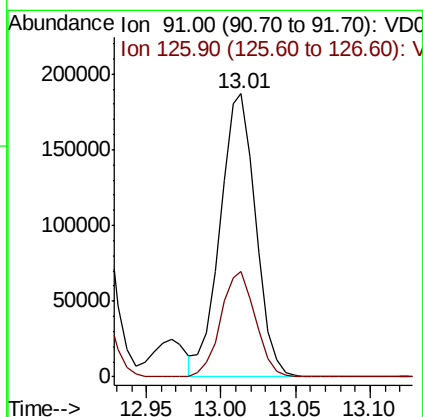
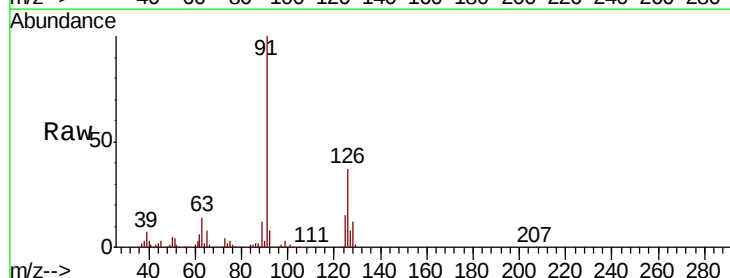
Acq: 16 Nov 2019 00:07

Tgt Ion: 91 Resp: 311667

Ion Ratio Lower Upper

91 100

126 36.4 17.8 53.4

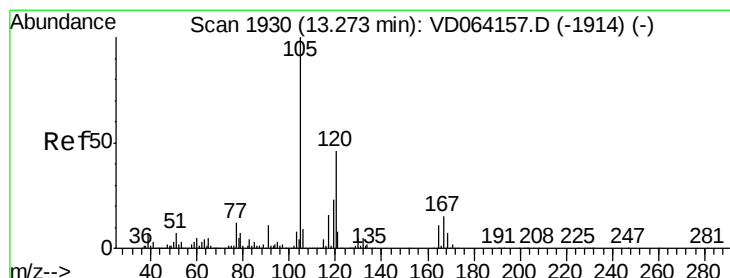
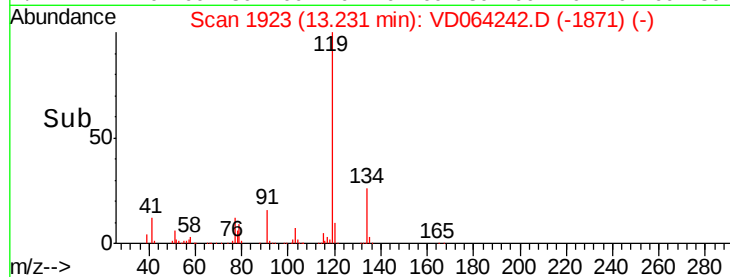
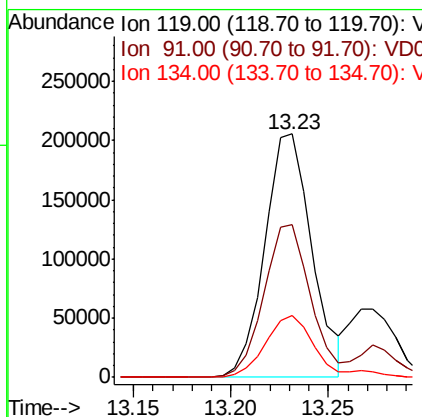
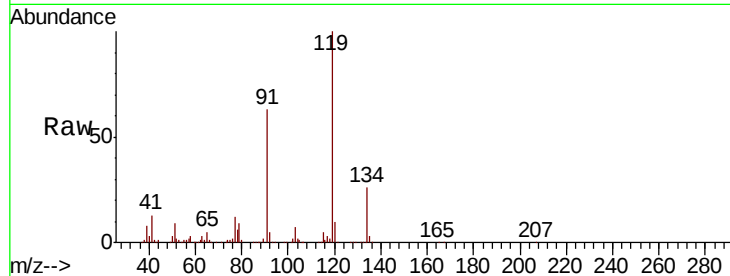




#83
 tert-Butylbenzene
 Concen: 18.331 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

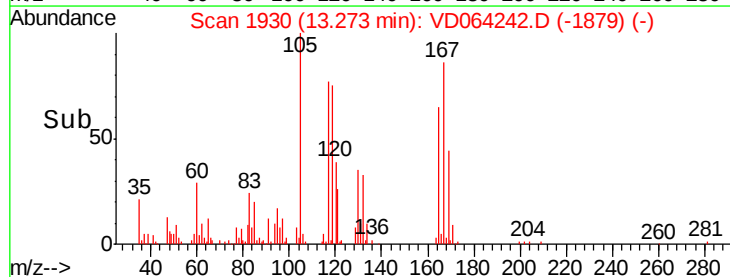
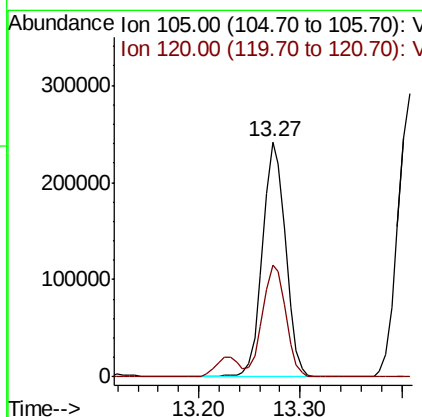
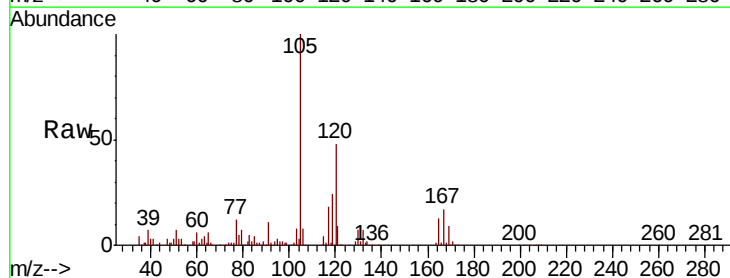
Instrument :
 MSVOA_D
 ClientSampleId :

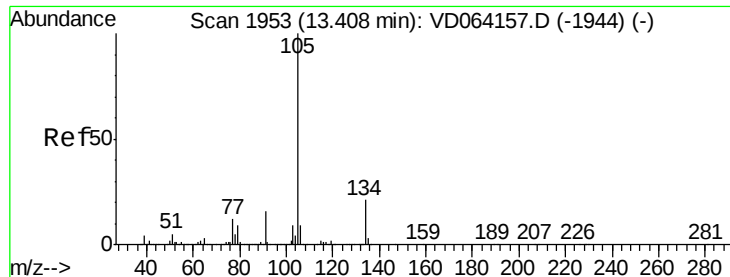
Tot Ion:119 Resp: 345136
 Ion Ratio Lower Upper
 119 100
 91 61.7 31.8 95.4
 134 27.2 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 18.144 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion:105 Resp: 382492
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.3 69.8





#85

sec-Butylbenzene

Concen: 18.133 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

Instrument :

MSVOA_D

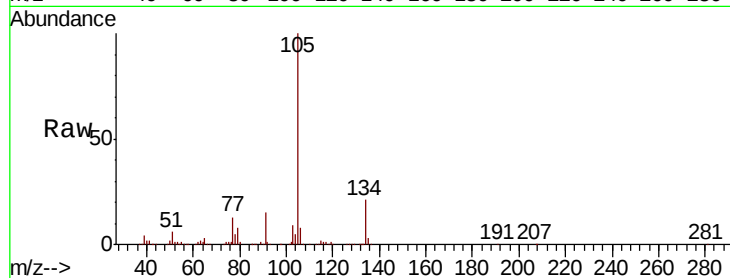
ClientSampleId :

Tot Ion:105 Resp: 458545

Ion Ratio Lower Upper

105 100

134 21.5 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

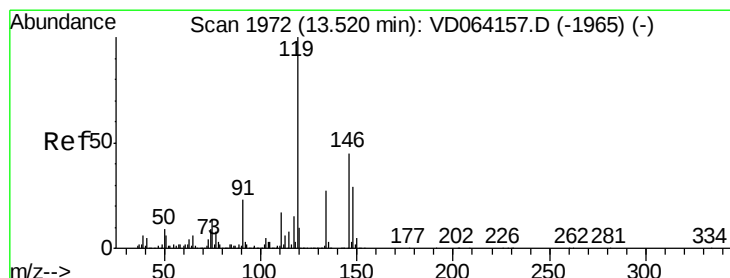
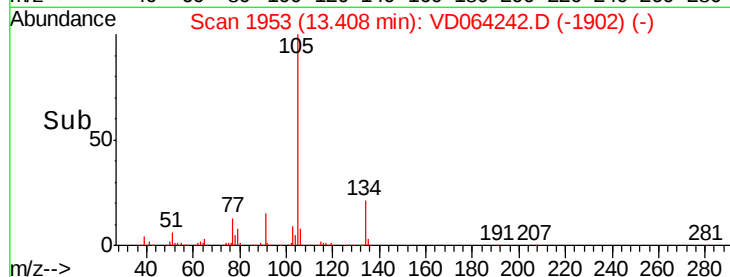
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 17.882 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD064242.D

Acq: 16 Nov 2019 00:07

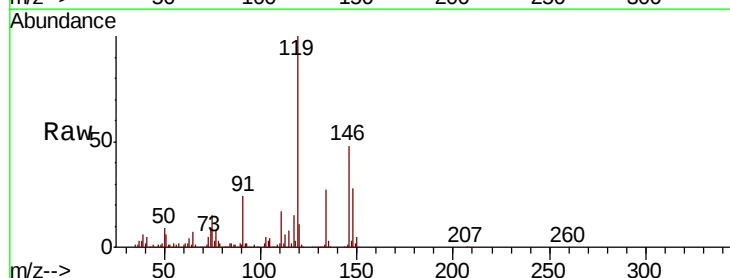
Tgt Ion:119 Resp: 429896

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 22.4 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

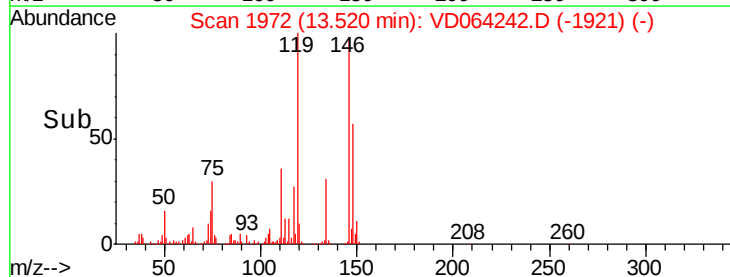
300000

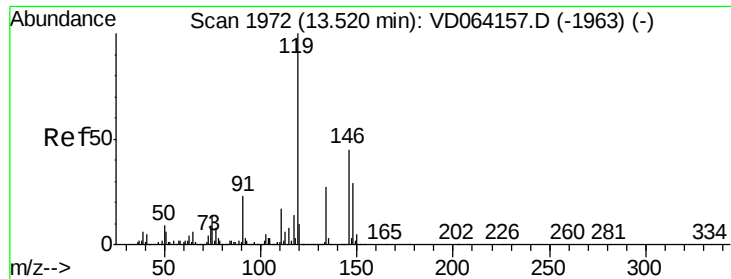
200000

100000

0

Time-->

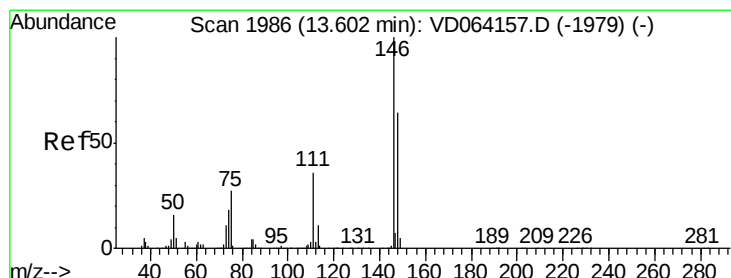
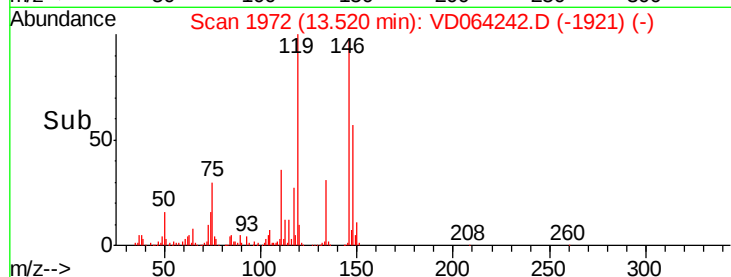
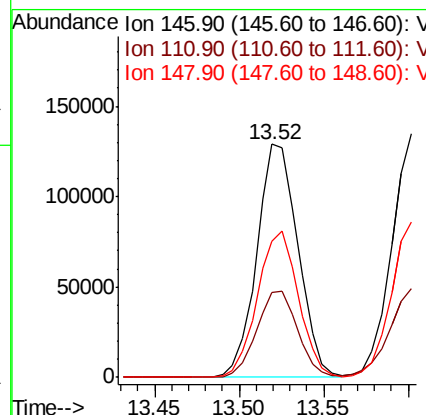
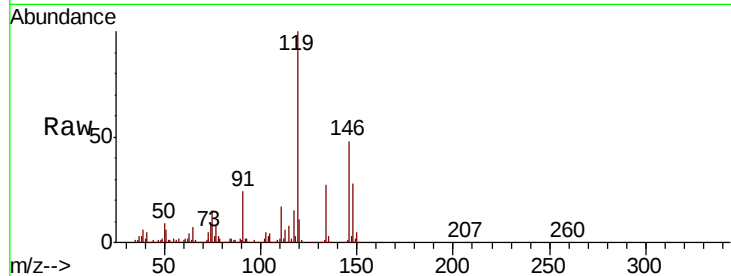




#87
 1,3-Dichlorobenzene
 Concen: 18.580 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

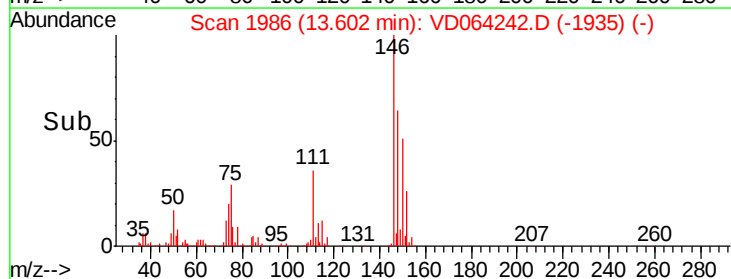
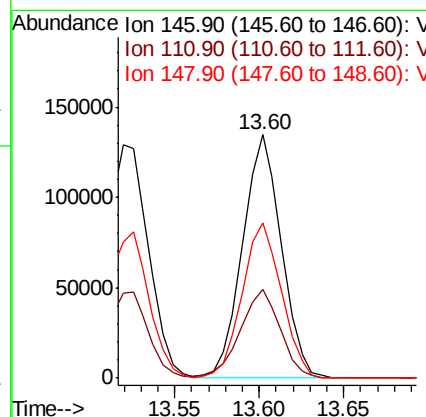
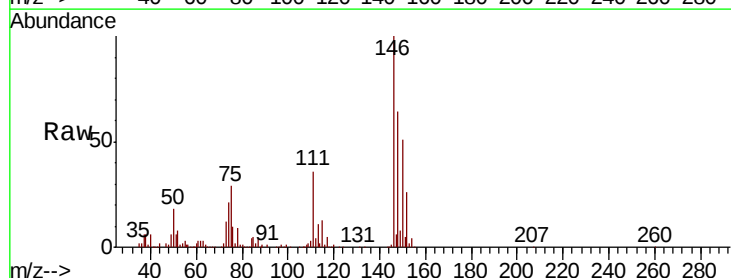
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.9	56.9
148	62.5	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.783 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.4
148	65.0	31.9	95.7

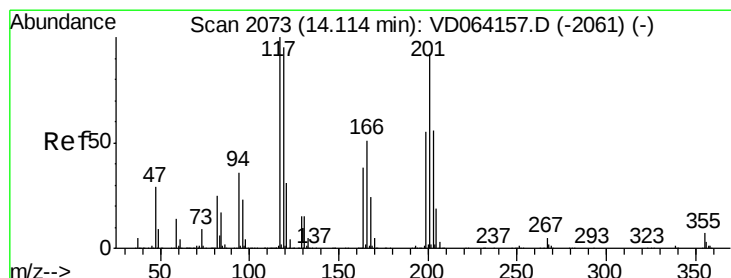
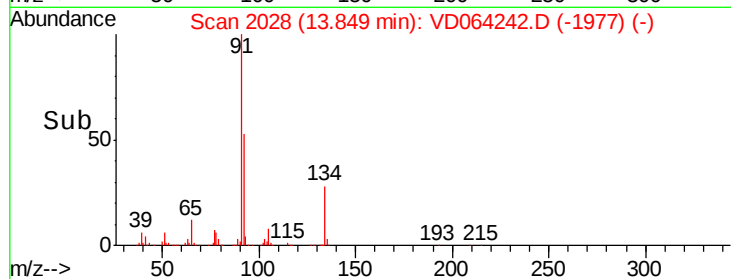
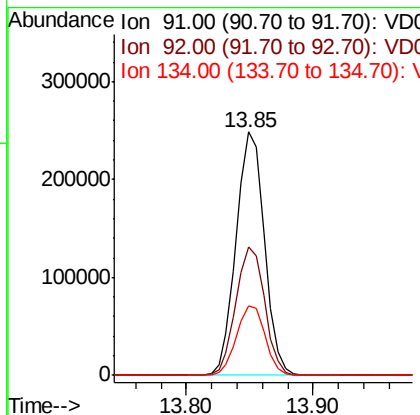
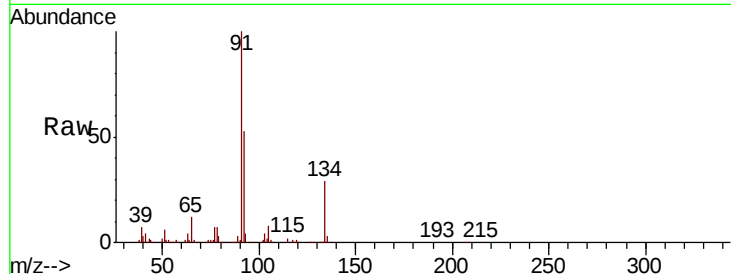




#89
n-Butylbenzene
Concen: 17.686 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

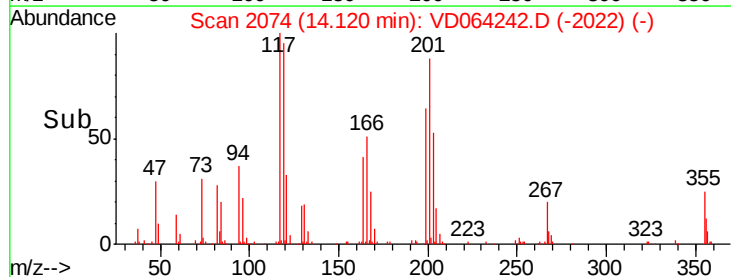
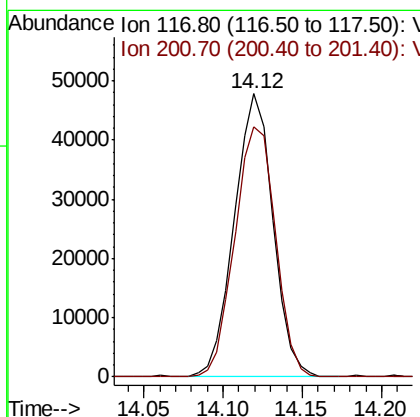
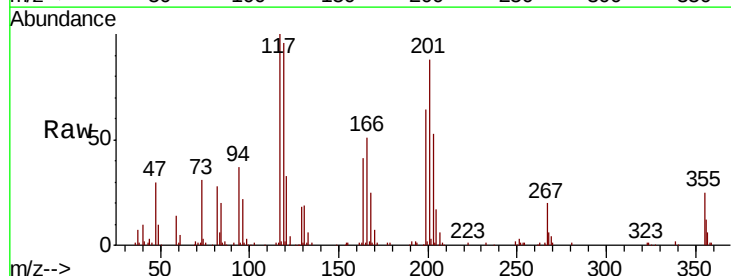
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 384151
Ion Ratio Lower Upper
91 100
92 53.6 27.3 81.8
134 28.9 14.1 42.4



#90
Hexachloroethane
Concen: 18.220 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion: 117 Resp: 80952
Ion Ratio Lower Upper
117 100
201 92.9 45.8 137.4

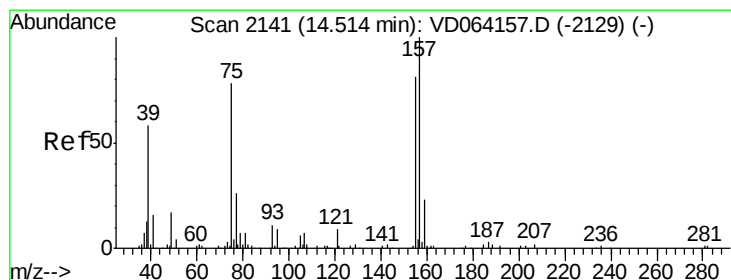
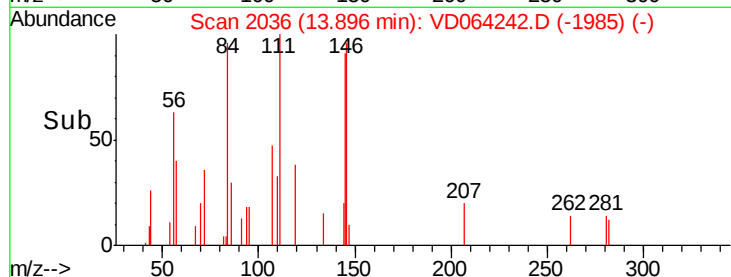
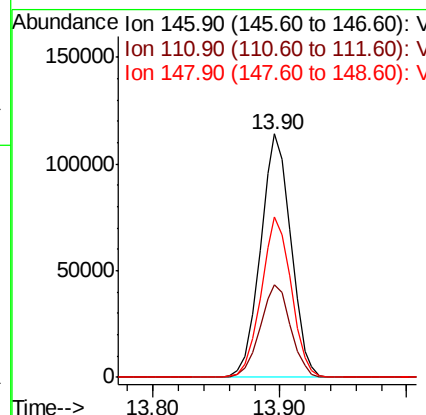
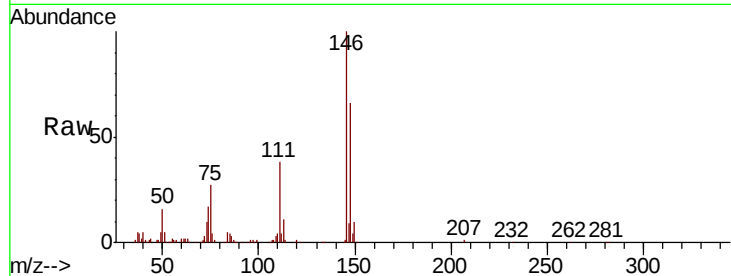




#91
 1,2-Dichlorobenzene
 Concen: 19.183 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

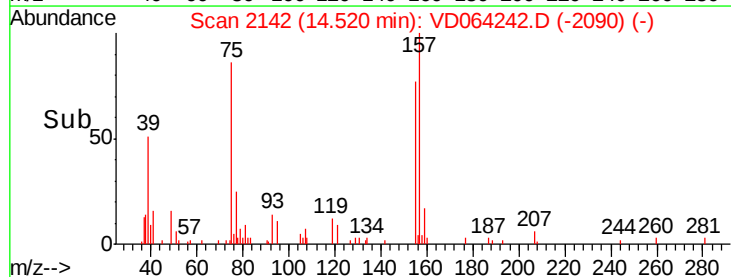
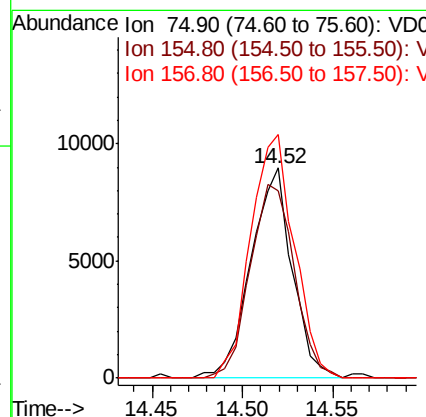
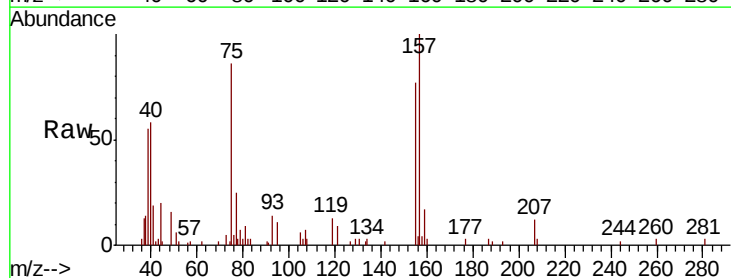
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.7	59.0
148	64.9	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.350 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.4	48.0	144.0
157	122.0	61.5	184.4

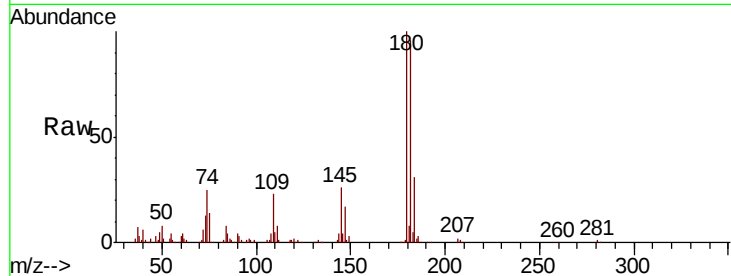




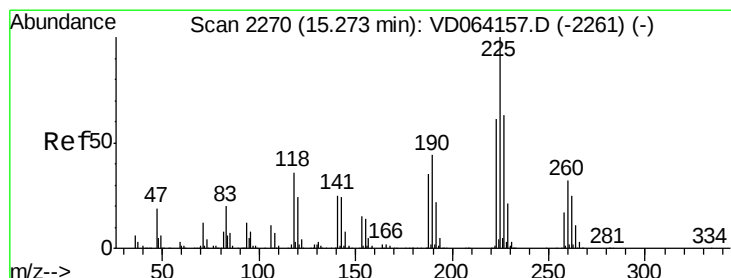
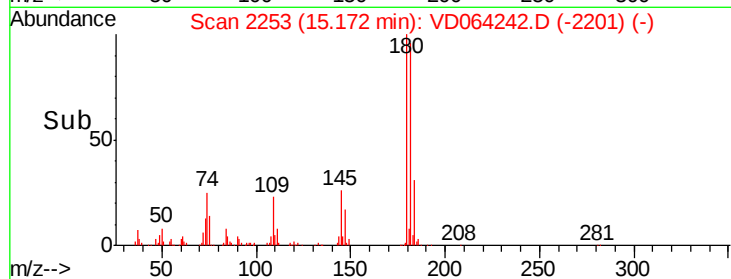
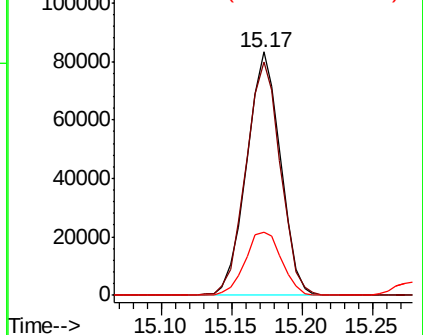
#93
 1,2,4-Trichlorobenzene
 Concen: 18.252 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.5	142.5
145	28.2	14.2	42.6

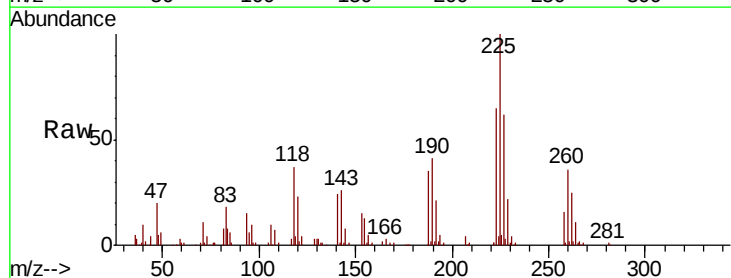


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

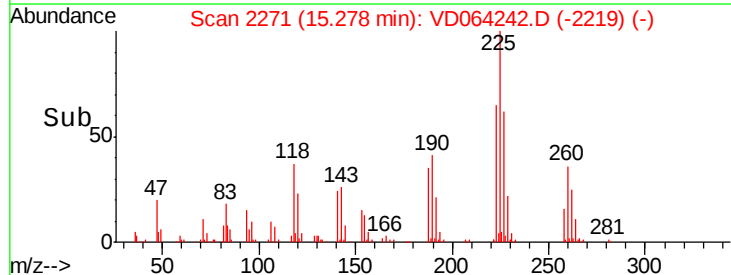
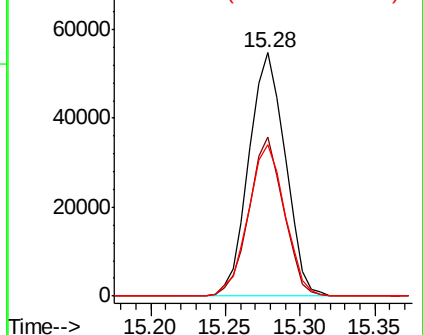


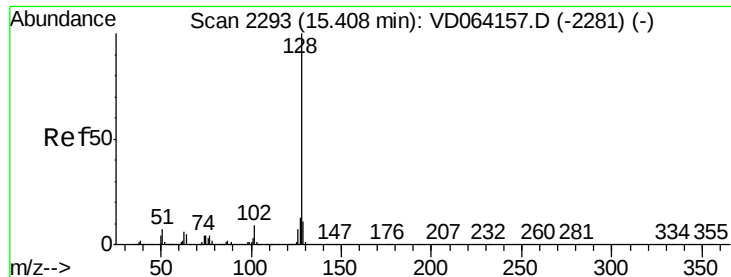
#94
 Hexachlorobutadiene
 Concen: 18.715 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064242.D
 Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.1	93.3
227	62.6	31.5	94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

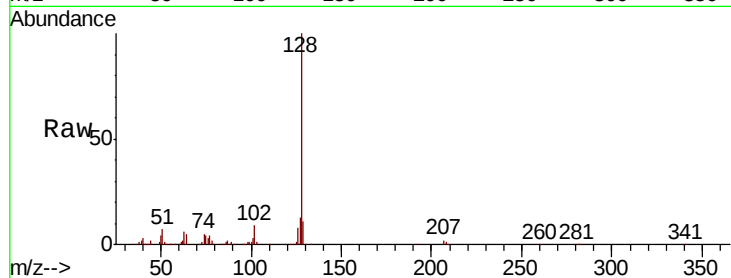




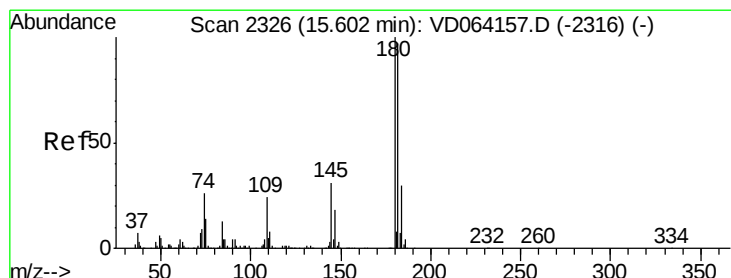
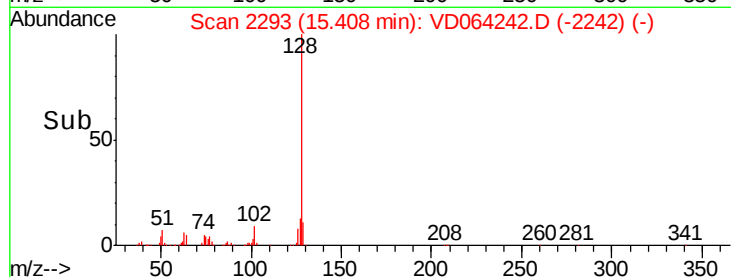
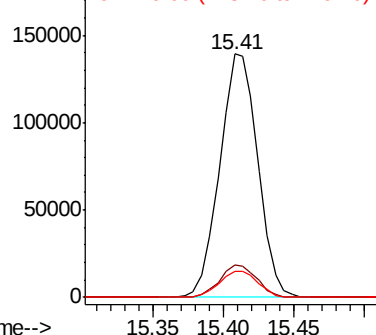
#95
Naphthalene
Concen: 20.954 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.0	8.6	13.0

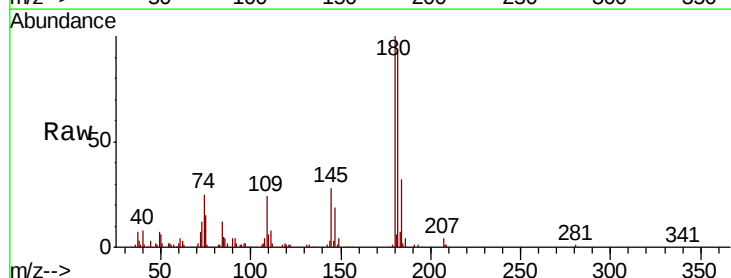


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.242 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD064242.D
Acq: 16 Nov 2019 00:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.3	144.9
145	29.3	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

