

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064637.D
 Acq On : 27 Dec 2019 11:33
 Operator : VA/SY
 Sample : VD1227SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Quant Time: Dec 30 00:56:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	416546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	607523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	531377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	260355	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	172595	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
35) Dibromofluoromethane	7.92	113	176422	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
50) Toluene-d8	10.34	98	681472	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
62) 4-Bromofluorobenzene	12.64	95	210997	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	62901	19.431	ug/l	91
3) Chloromethane	2.21	50	88499	19.548	ug/l	100
4) Vinyl Chloride	2.35	62	109639	19.862	ug/l	99
5) Bromomethane	2.76	94	76520	19.065	ug/l	94
6) Chloroethane	2.92	64	72777	19.676	ug/l	99
7) Trichlorofluoromethane	3.27	101	187822	20.208	ug/l	96
8) Diethyl Ether	3.70	74	33782	18.303	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	73597	19.120	ug/l	98
10) Methyl Iodide	4.30	142	79141	19.141	ug/l	99
11) Tert butyl alcohol	5.25	59	19293	91.651	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	71862	19.609	ug/l	98
13) Acrolein	3.92	56	23926	81.556	ug/l	97
14) Allyl chloride	4.71	41	109284	19.126	ug/l	98
15) Acrylonitrile	5.43	53	71177	92.582	ug/l	98
16) Acetone	4.17	43	70698	87.427	ug/l	97
17) Carbon Disulfide	4.40	76	224106	18.912	ug/l	99
18) Methyl Acetate	4.72	43	38637	18.684	ug/l #	73
19) Methyl tert-butyl Ether	5.48	73	150008	18.429	ug/l	93
20) Methylene Chloride	4.97	84	80499	18.334	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	82013	19.651	ug/l	99
22) Diisopropyl ether	6.37	45	218153	19.142	ug/l	94
23) Vinyl Acetate	6.31	43	603532	93.356	ug/l	99
24) 1,1-Dichloroethane	6.27	63	135437	19.796	ug/l	97
25) 2-Butanone	7.22	43	91506	90.633	ug/l	96
26) 2,2-Dichloropropane	7.21	77	124469	19.567	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	86709	19.251	ug/l	99
28) Bromochloromethane	7.55	49	47532	17.872	ug/l	100
29) Tetrahydrofuran	7.57	42	58463	93.114	ug/l	98
30) Chloroform	7.71	83	141671	19.736	ug/l	96
31) Cyclohexane	7.98	56	129033	18.841	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	132668	19.677	ug/l	98
36) 1,1-Dichloropropene	8.11	75	111872	19.132	ug/l	99
37) Ethyl Acetate	7.30	43	41824	18.207	ug/l	96
38) Carbon Tetrachloride	8.10	117	120202	19.278	ug/l	97

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 Data File : VD064637.D
 Acq On : 27 Dec 2019 11:33
 Operator : VA/SY
 Sample : VD1227SBSD01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD01

Quant Time: Dec 30 00:56:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	135851	19.182	ug/l	98
40) Benzene	8.36	78	304862	19.098	ug/l	97
41) Methacrylonitrile	7.53	41	26550	19.920	ug/l	96
42) 1,2-Dichloroethane	8.43	62	87451	18.958	ug/l	99
43) Isopropyl Acetate	8.46	43	79609	17.411	ug/l	97
44) Trichloroethene	9.11	130	90345	19.266	ug/l	100
45) 1,2-Dichloropropane	9.39	63	75882	19.910	ug/l	97
46) Dibromomethane	9.48	93	39429	18.555	ug/l	98
47) Bromodichloromethane	9.67	83	108381	19.168	ug/l	95
48) Methyl methacrylate	9.46	41	37164	17.262	ug/l	91
49) 1,4-Dioxane	9.47	88	9196	375.317	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	205273	90.829	ug/l	99
52) Toluene	10.40	92	197030	18.814	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	96201	18.249	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	119225	19.180	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	54742	19.116	ug/l	94
56) Ethyl methacrylate	10.66	69	64786	18.115	ug/l	98
57) 1,3-Dichloropropane	10.95	76	91884	18.635	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	135312	99.305	ug/l	99
59) 2-Hexanone	10.98	43	137504	89.643	ug/l	100
60) Dibromochloromethane	11.14	129	73044	18.445	ug/l	97
61) 1,2-Dibromoethane	11.25	107	53541	18.956	ug/l	99
64) Tetrachloroethene	10.87	164	77975	19.127	ug/l	96
65) Chlorobenzene	11.67	112	210521	19.089	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	79117	19.029	ug/l	100
67) Ethyl Benzene	11.74	91	378073	18.887	ug/l	99
68) m/p-Xylenes	11.86	106	288898	37.391	ug/l	100
69) o-Xylene	12.18	106	130909	18.758	ug/l	99
70) Styrene	12.20	104	228005	18.613	ug/l	99
71) Bromoform	12.37	173	44213	18.647	ug/l #	99
73) Isopropylbenzene	12.48	105	359676	19.332	ug/l	100
74) N-amyl acetate	12.29	43	73391	18.453	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	56484	19.326	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	74264	36.122	ug/l #	100
77) Bromobenzene	12.77	156	88765	19.416	ug/l	98
78) n-propylbenzene	12.83	91	422354	19.458	ug/l	99
79) 2-Chlorotoluene	12.91	91	228848	19.193	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	295707	19.348	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18130	18.443	ug/l	98
82) 4-Chlorotoluene	13.01	91	242956	19.147	ug/l	99
83) tert-Butylbenzene	13.23	119	252048	18.994	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	290749	19.101	ug/l	98
85) sec-Butylbenzene	13.41	105	351938	19.345	ug/l	99
86) p-Isopropyltoluene	13.52	119	326536	18.771	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	164971	18.929	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	166263	19.420	ug/l	99
89) n-Butylbenzene	13.85	91	298490	19.054	ug/l	99
90) Hexachloroethane	14.12	117	65453	19.698	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	141141	18.993	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	8483	17.904	ug/l	96

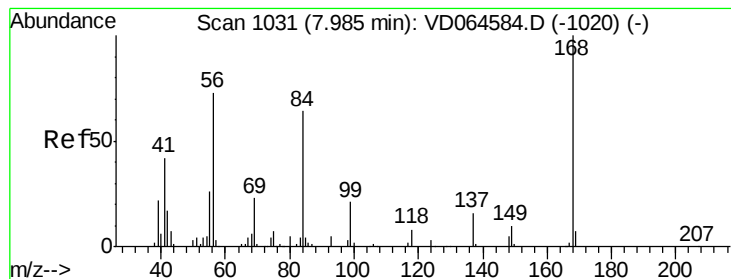
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
Data File : VD064637.D
Acq On : 27 Dec 2019 11:33
Operator : VA/SY
Sample : VD1227SBSD01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

Quant Time: Dec 30 00:56:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	100999	18.458	ug/l	97
94) Hexachlorobutadiene	15.28	225	64672	18.782	ug/l	98
95) Naphthalene	15.41	128	156255	18.051	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	85936	18.397	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

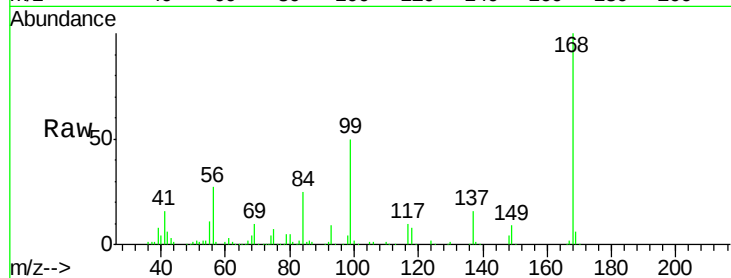
VD1227SBS01

Tgt Ion:168 Resp: 416546

Ion Ratio Lower Upper

168 100

99 49.6 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

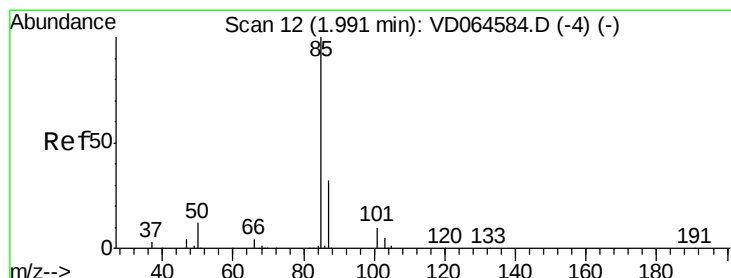
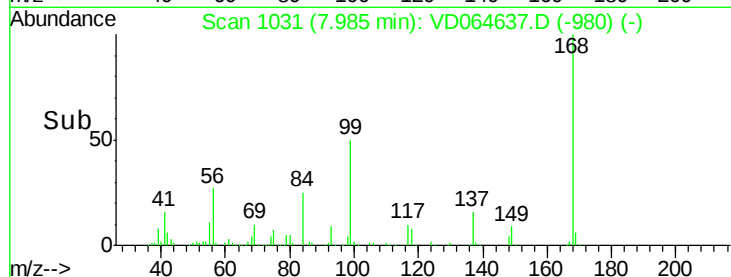
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.431 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064637.D

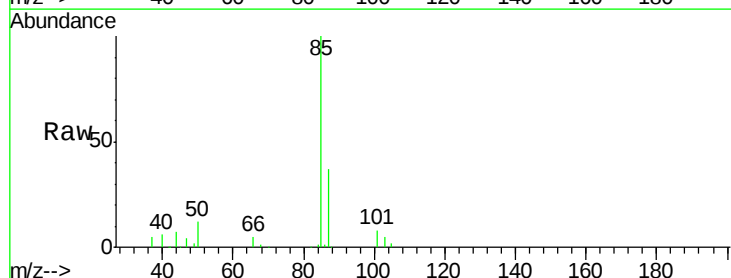
Acq: 27 Dec 2019 11:33

Tgt Ion: 85 Resp: 62901

Ion Ratio Lower Upper

85 100

87 37.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

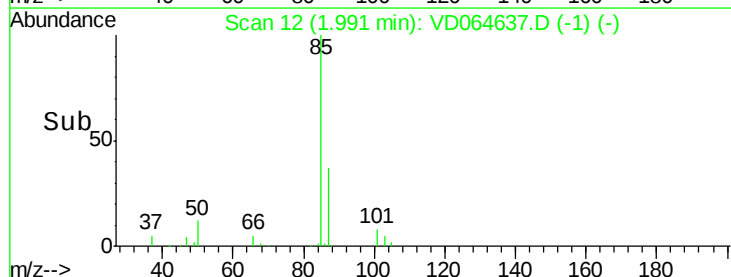
30000

20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.548 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

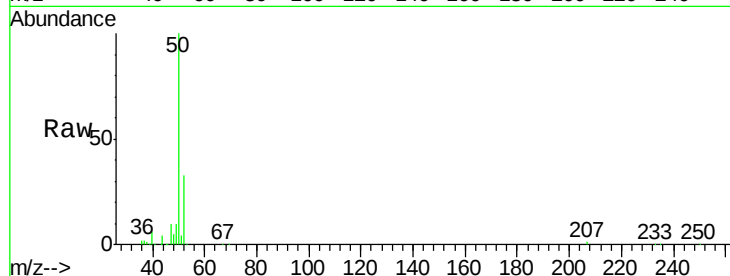
VD1227SBSD01

Tgt Ion: 50 Resp: 88499

Ion Ratio Lower Upper

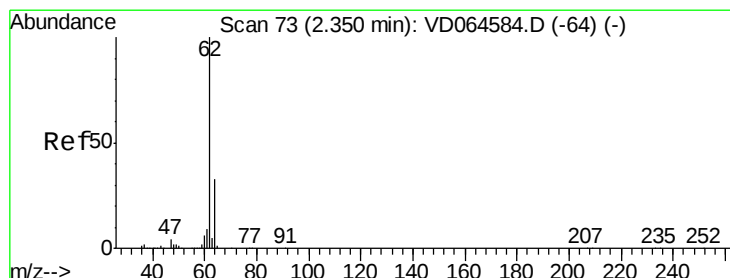
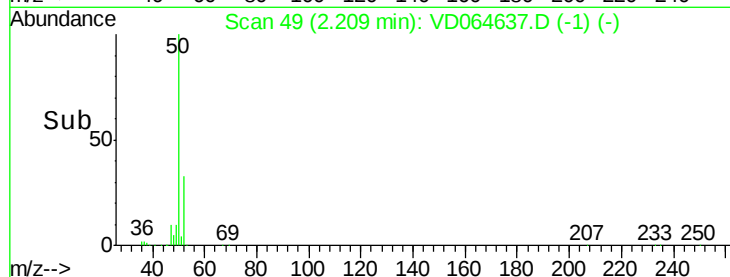
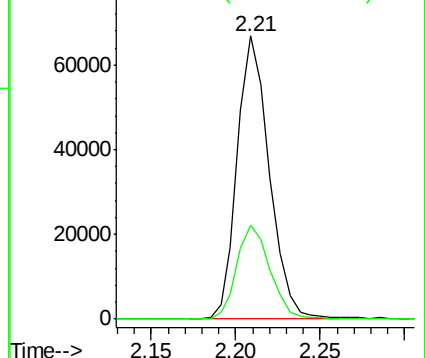
50 100

52 33.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.862 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064637.D

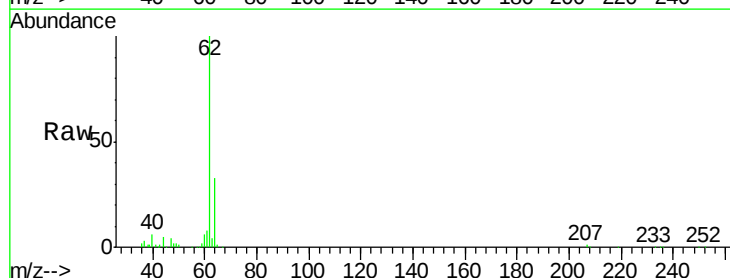
Acq: 27 Dec 2019 11:33

Tgt Ion: 62 Resp: 109639

Ion Ratio Lower Upper

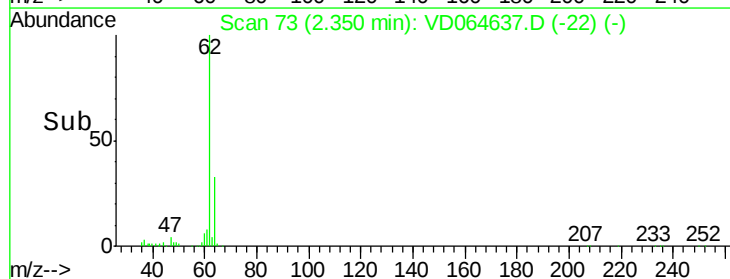
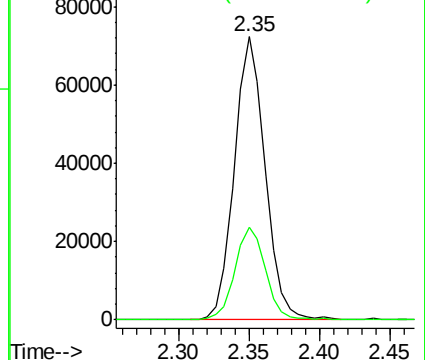
62 100

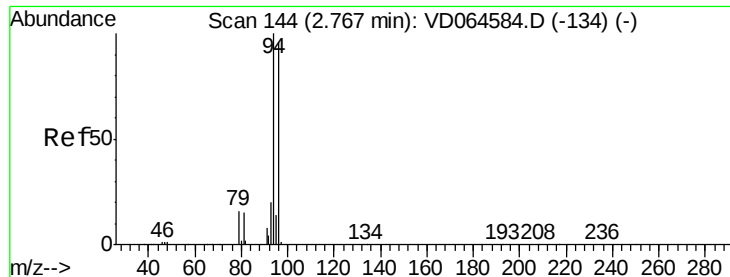
64 32.7 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.065 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

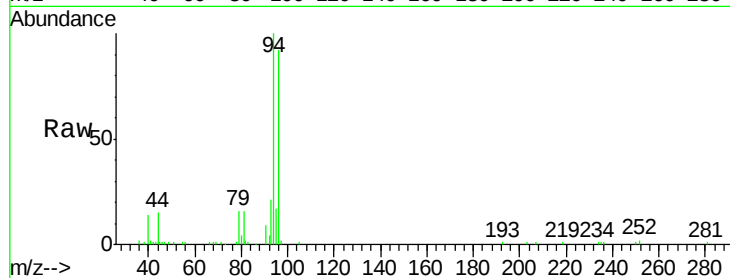
VD1227SBS01

Tgt Ion: 94 Resp: 76520

Ion Ratio Lower Upper

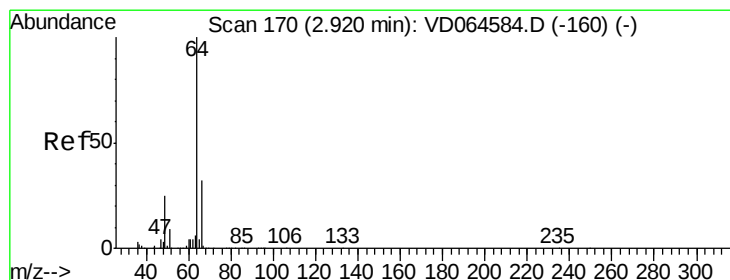
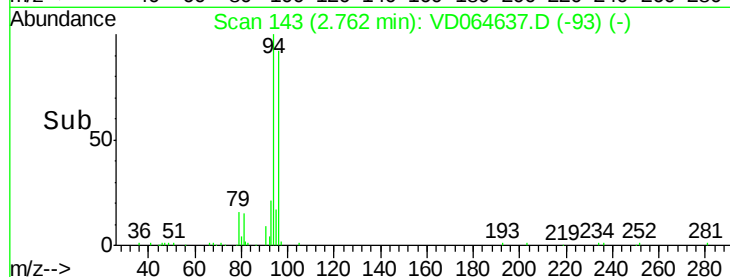
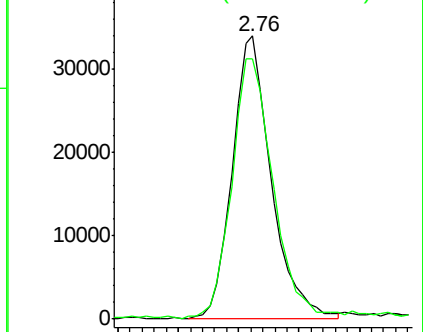
94 100

96 90.8 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.676 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064637.D

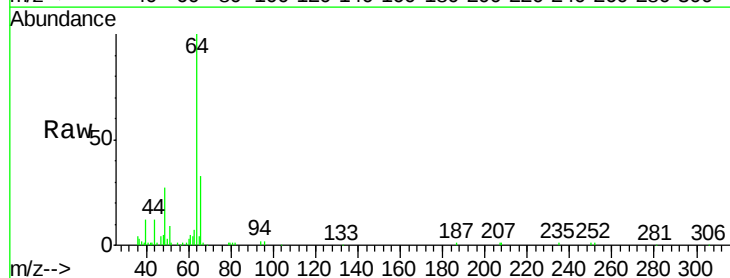
Acq: 27 Dec 2019 11:33

Tgt Ion: 64 Resp: 72777

Ion Ratio Lower Upper

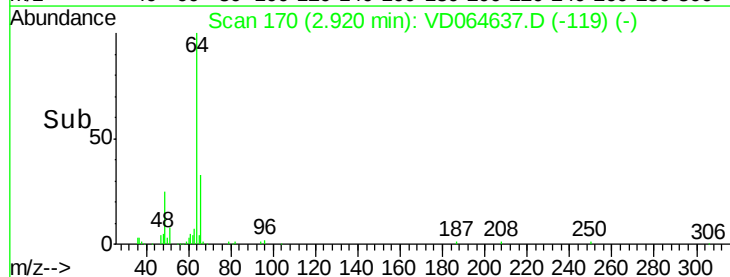
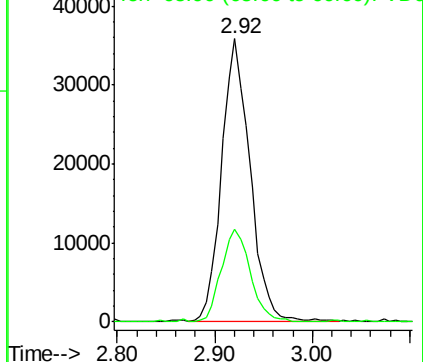
64 100

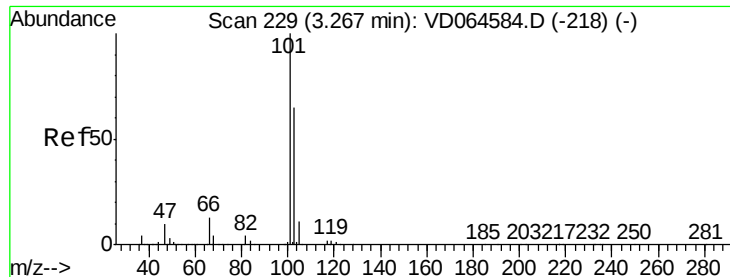
66 32.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



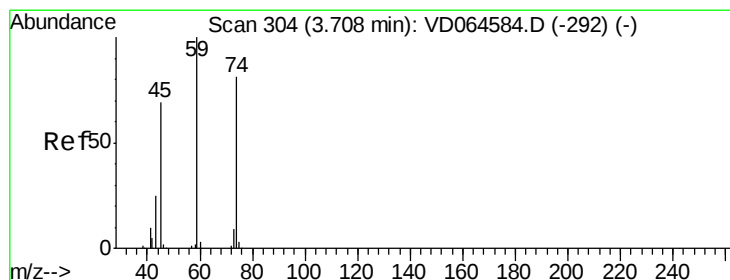
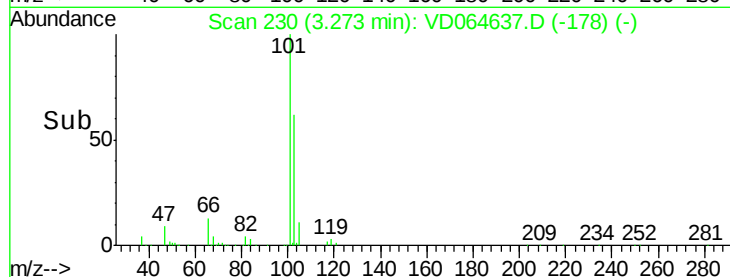
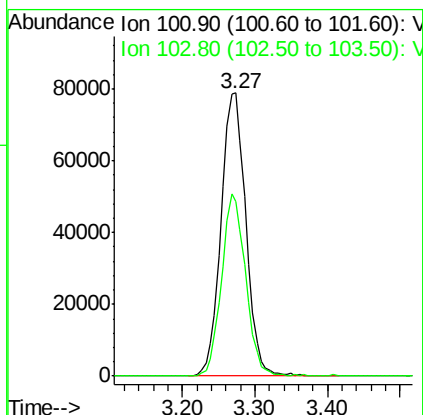
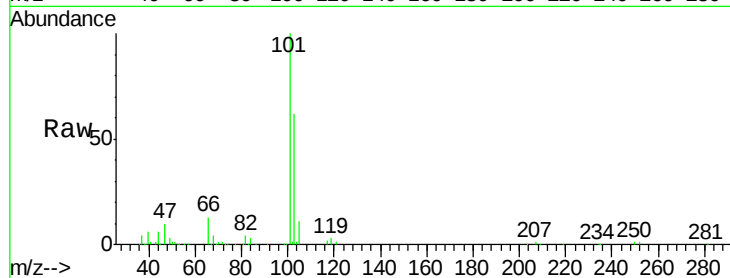


#7

Trichlorofluoromethane
 Concen: 20.208 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD01

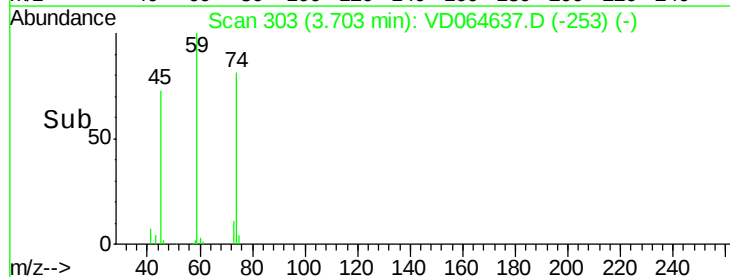
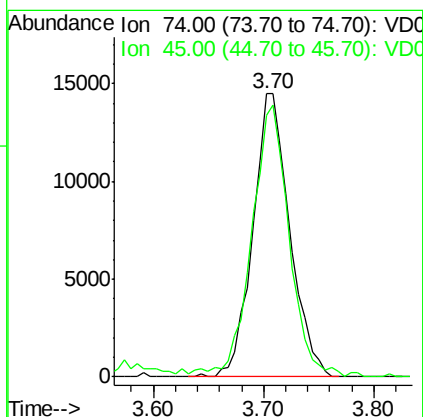
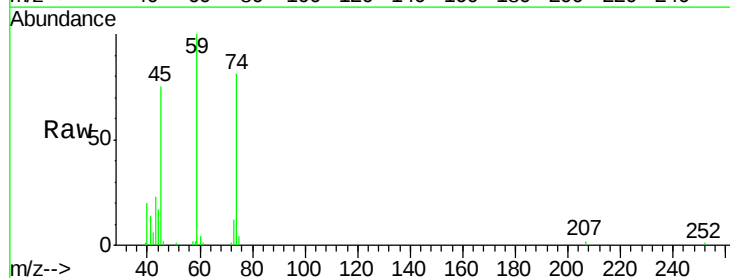
Tgt Ion: 101 Resp: 187822
 Ion Ratio Lower Upper
 101 100
 103 61.8 52.2 78.4

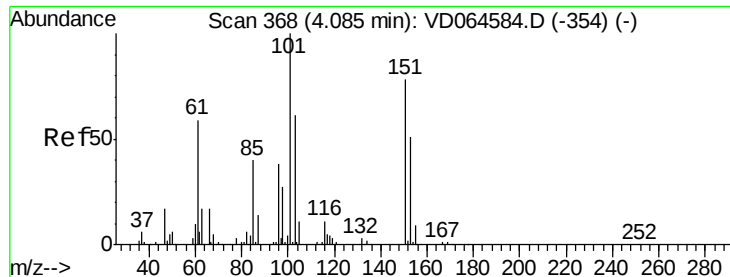


#8

Diethyl Ether
 Concen: 18.303 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion: 74 Resp: 33782
 Ion Ratio Lower Upper
 74 100
 45 97.0 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.120 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

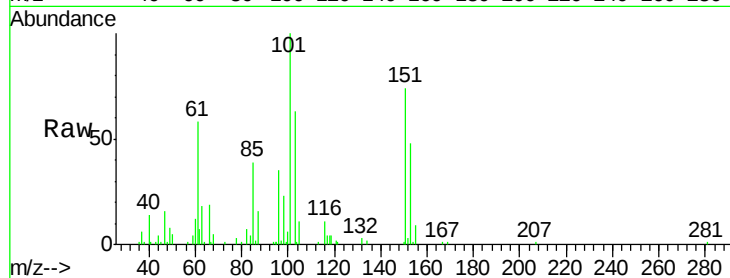
Tgt Ion:101 Resp: 73597

Ion Ratio Lower Upper

101 100

85 46.9 35.2 52.8

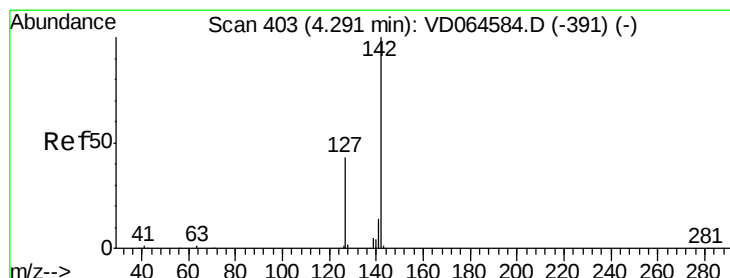
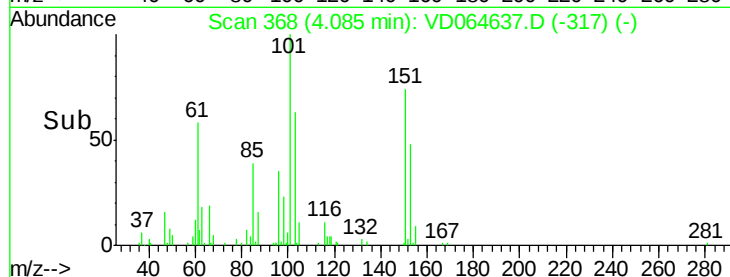
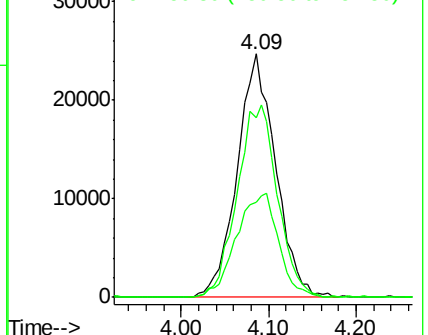
151 83.0 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.141 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

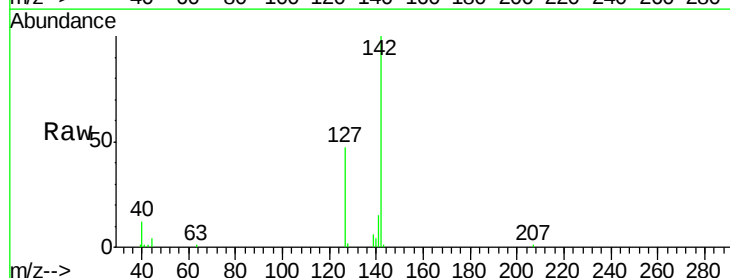
Tgt Ion:142 Resp: 79141

Ion Ratio Lower Upper

142 100

127 44.9 36.2 54.4

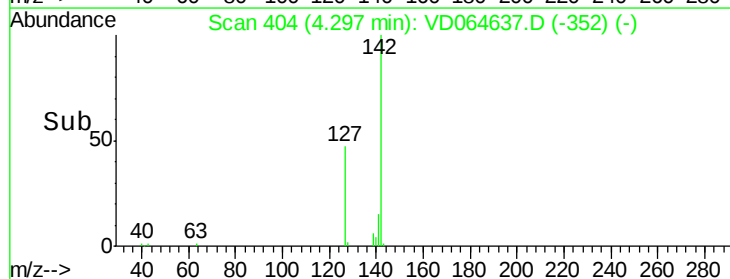
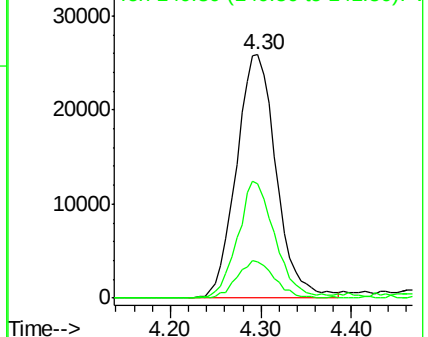
141 14.5 11.8 17.8

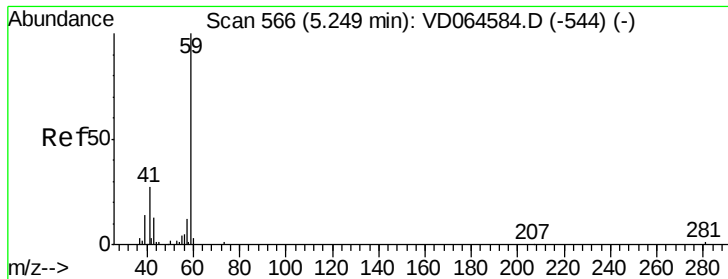


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



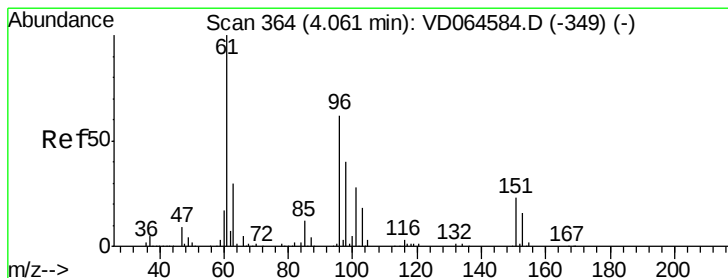
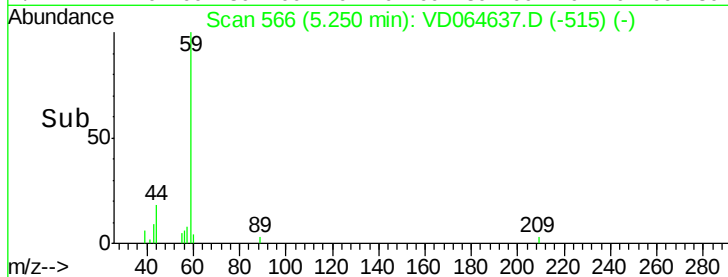
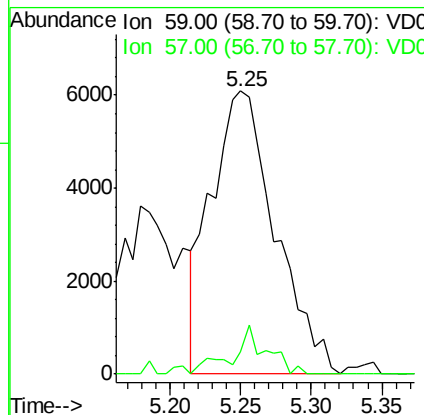
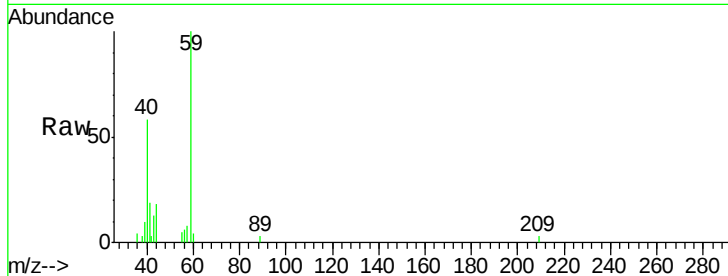


#11

Tert butyl alcohol
 Concen: 91.651 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD01

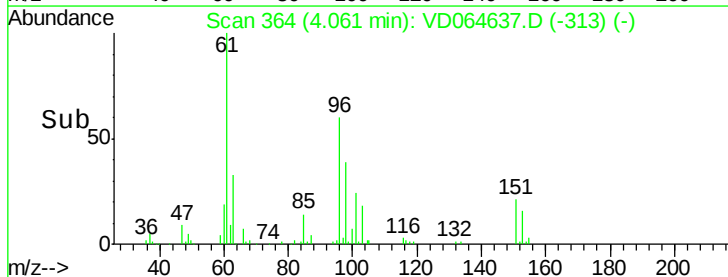
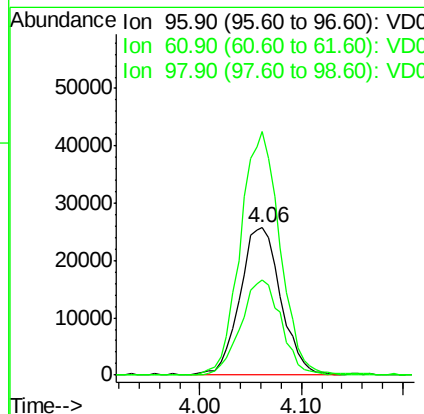
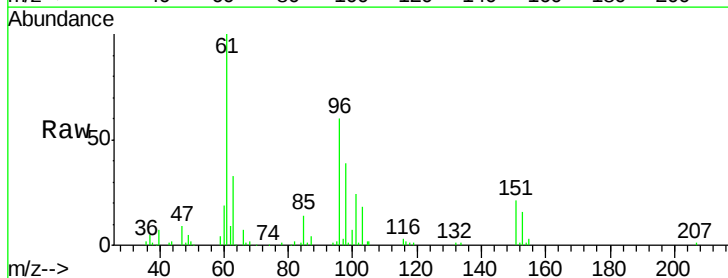
Tgt Ion: 59 Resp: 19293
 Ion Ratio Lower Upper
 59 100
 57 6.5 9.3 13.9#

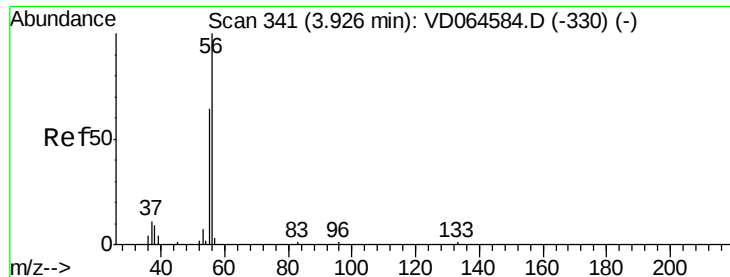


#12

1,1-Dichloroethene
 Concen: 19.609 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion: 96 Resp: 71862
 Ion Ratio Lower Upper
 96 100
 61 165.3 129.4 194.0
 98 64.5 51.4 77.0





#13

Acrolein

Concen: 81.556 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

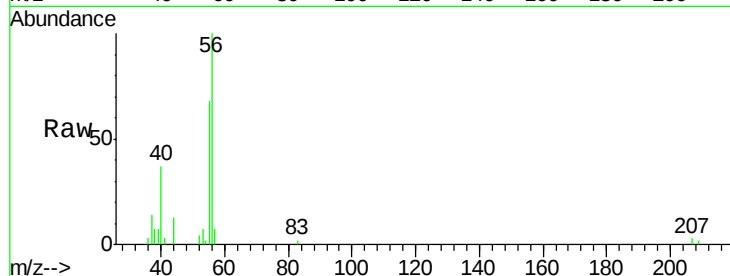
VD1227SBS01

Tgt Ion: 56 Resp: 23926

Ion Ratio Lower Upper

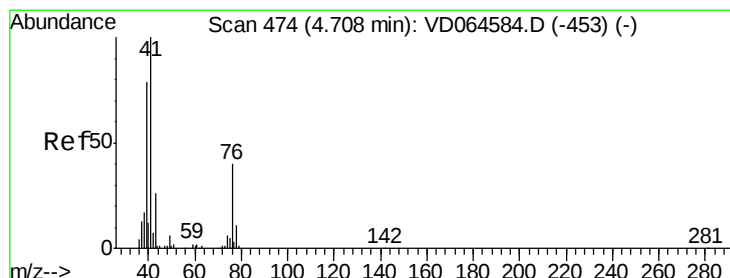
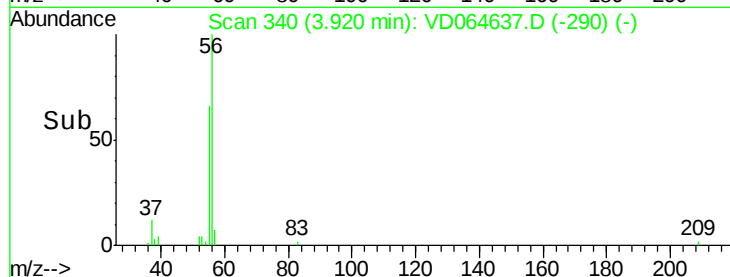
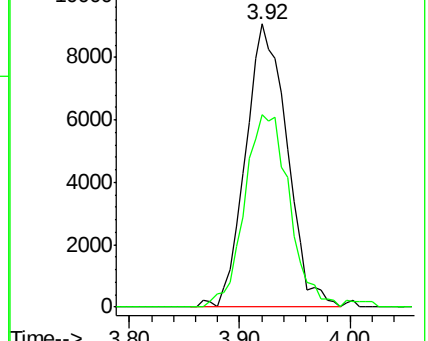
56 100

55 73.2 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.126 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

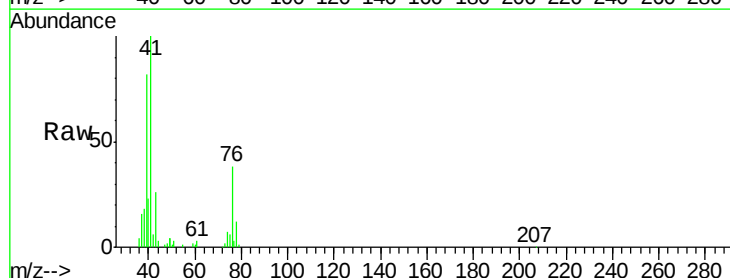
Tgt Ion: 41 Resp: 109284

Ion Ratio Lower Upper

41 100

39 79.2 62.3 93.5

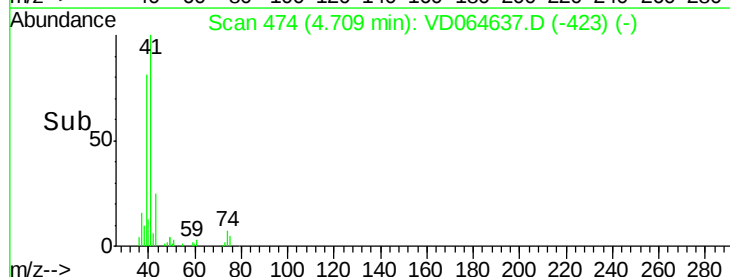
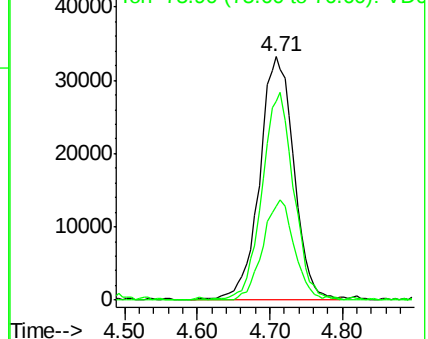
76 38.1 29.7 44.5

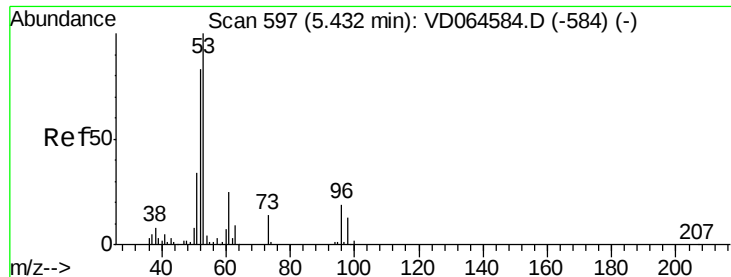


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 92.582 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBSD01

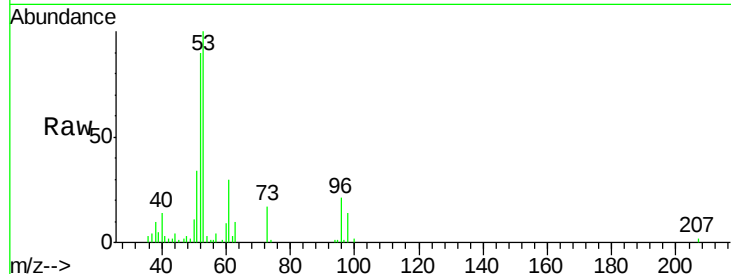
Tgt Ion: 53 Resp: 71177

Ion Ratio Lower Upper

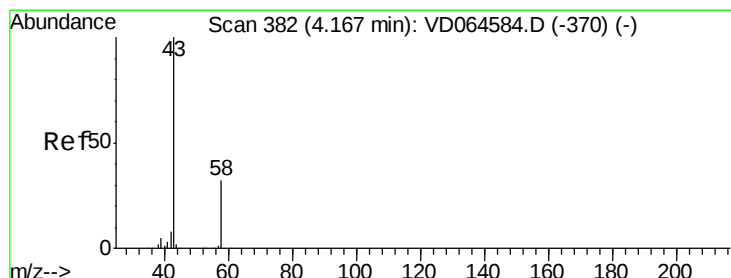
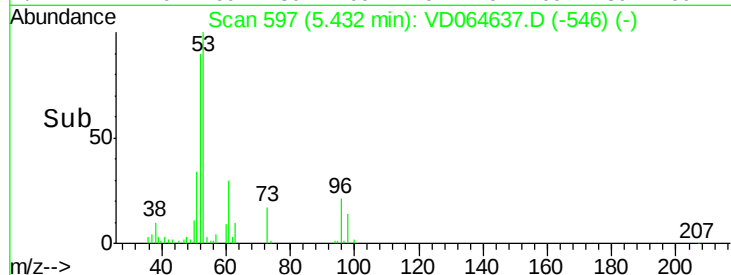
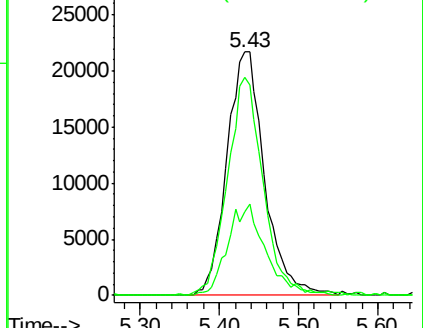
53 100

52 84.7 66.2 99.2

51 38.2 30.1 45.1



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: 87.427 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064637.D

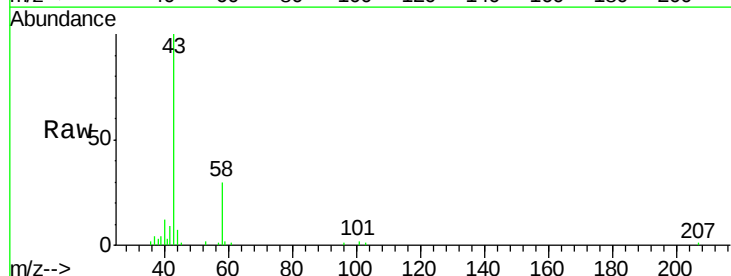
Acq: 27 Dec 2019 11:33

Tgt Ion: 43 Resp: 70698

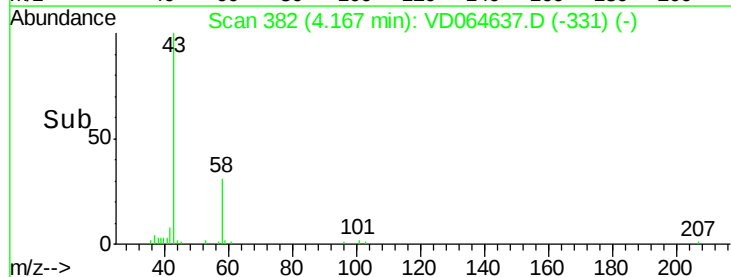
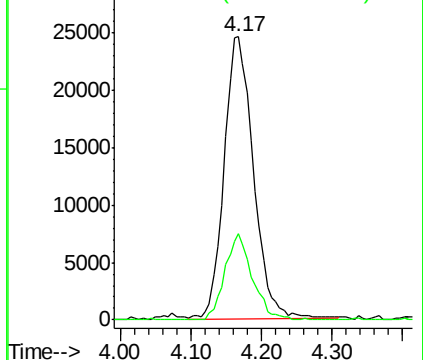
Ion Ratio Lower Upper

43 100

58 30.7 25.8 38.6



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





#17

Carbon Disulfide

Concen: 18.912 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

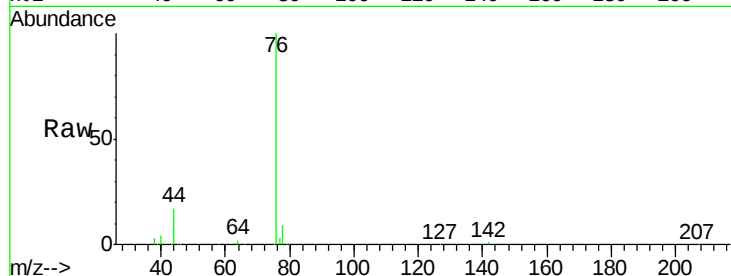
VD1227SBS01

Tgt Ion: 76 Resp: 224106

Ion Ratio Lower Upper

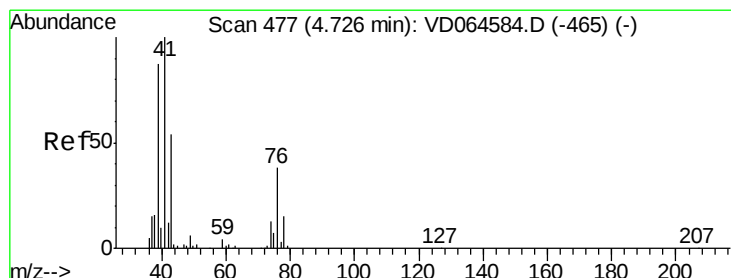
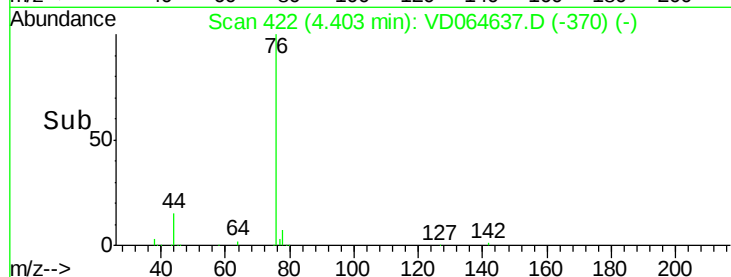
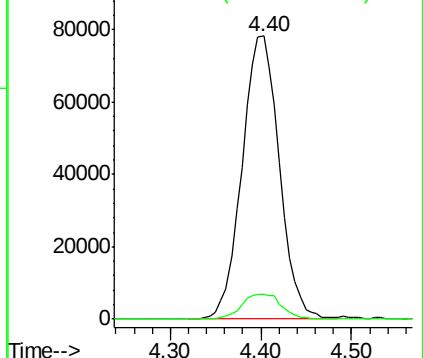
76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.684 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064637.D

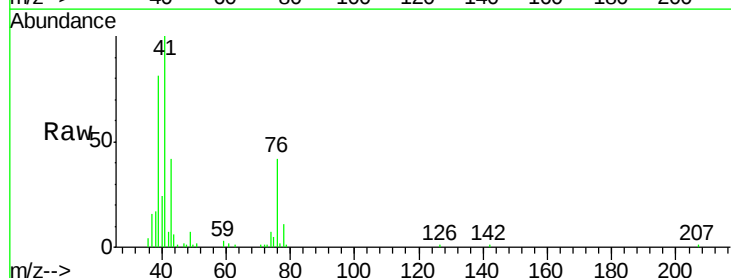
Acq: 27 Dec 2019 11:33

Tgt Ion: 43 Resp: 38637

Ion Ratio Lower Upper

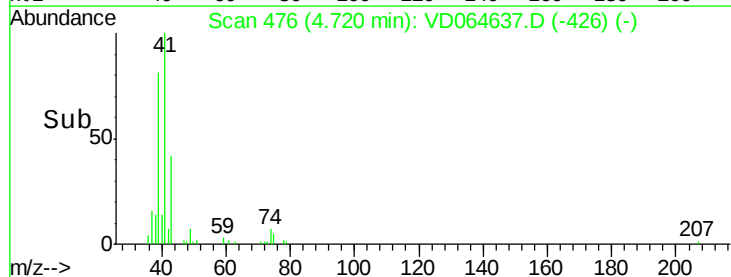
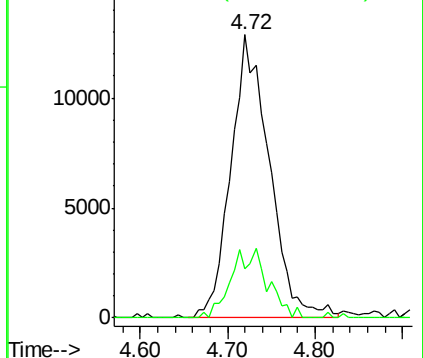
43 100

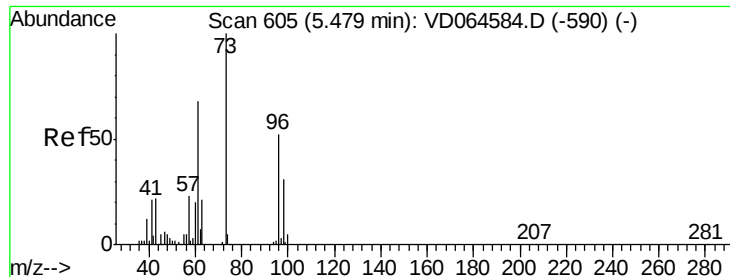
74 10.7 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



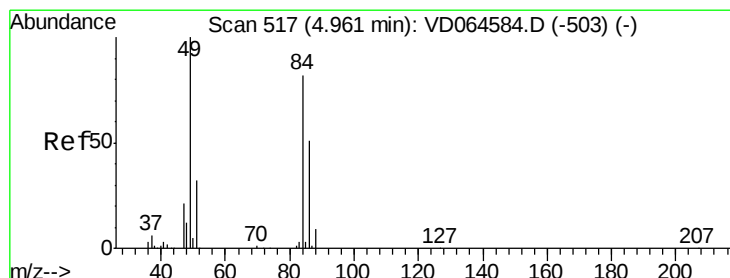
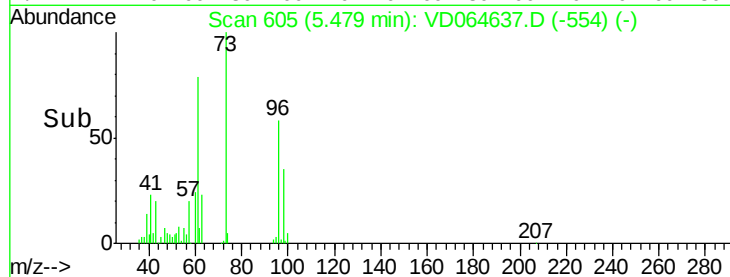
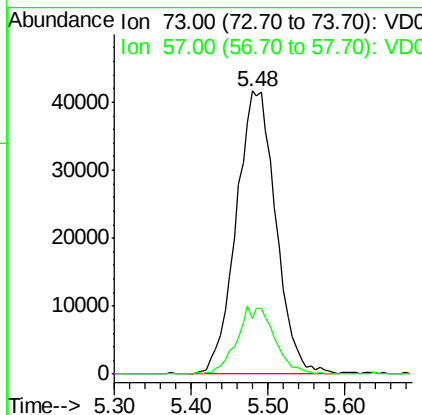
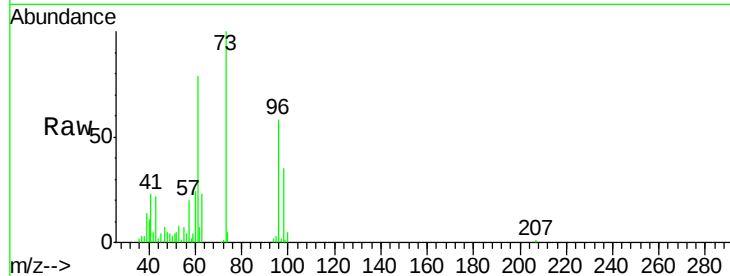


#19

Methyl tert-butyl Ether
 Concen: 18.429 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD01

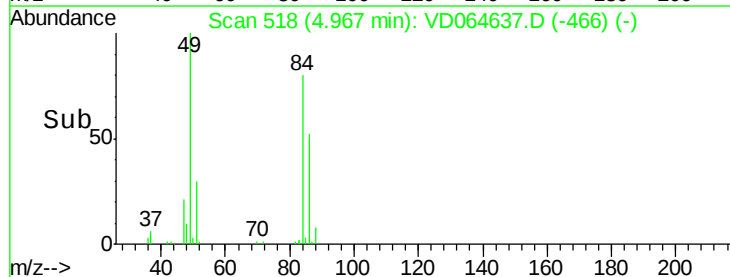
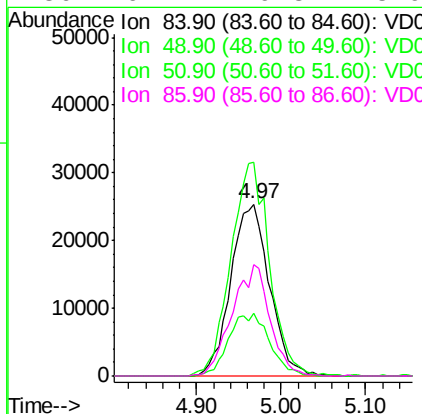
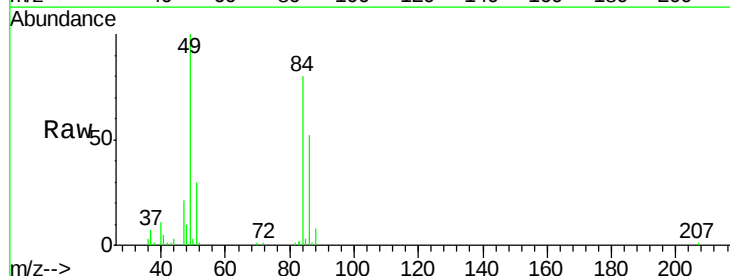
Tgt Ion: 73 Resp: 150008
 Ion Ratio Lower Upper
 73 100
 57 19.6 18.6 27.8

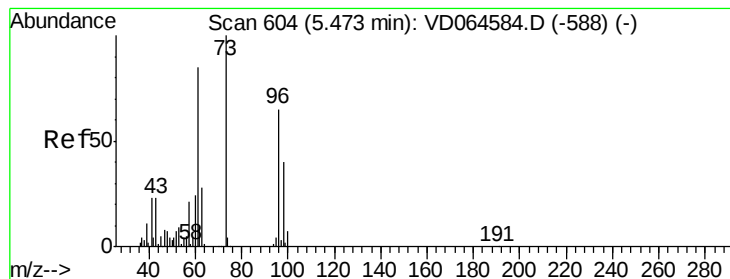


#20

Methylene Chloride
 Concen: 18.334 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion: 84 Resp: 80499
 Ion Ratio Lower Upper
 84 100
 49 124.4 97.2 145.8
 51 36.9 31.4 47.0
 86 64.7 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 19.651 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

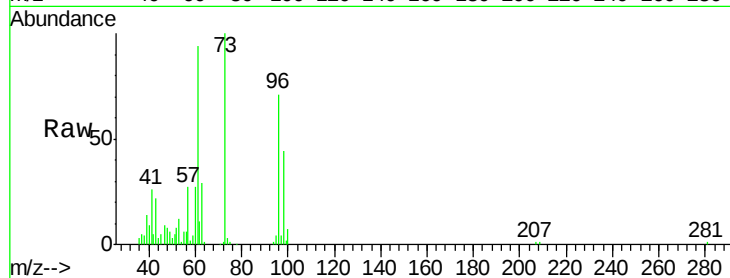
Tgt Ion: 96 Resp: 82013

Ion Ratio Lower Upper

96 100

61 132.3 104.7 157.1

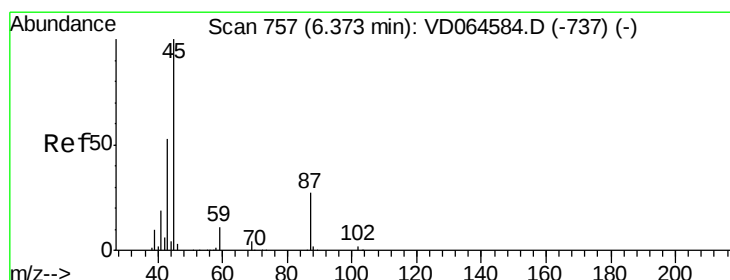
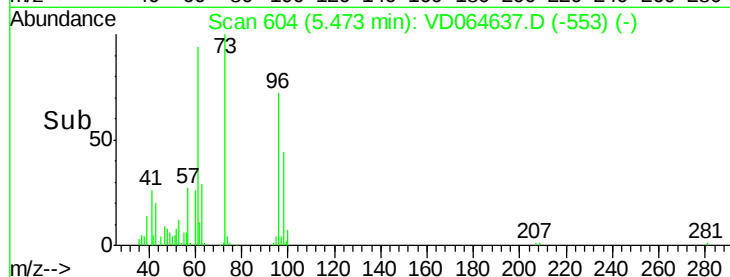
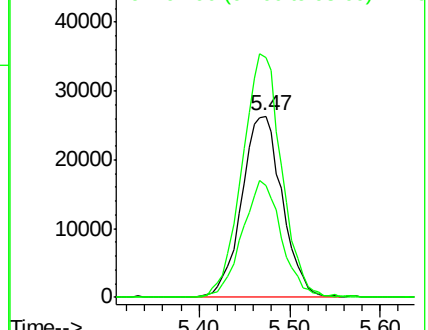
98 61.7 49.4 74.2



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



#22

Diisopropyl ether

Concen: 19.142 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Tgt Ion: 45 Resp: 218153

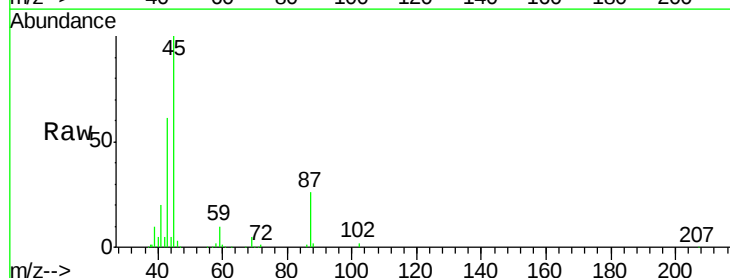
Ion Ratio Lower Upper

45 100

43 60.4 43.2 64.8

87 26.2 21.9 32.9

59 10.0 9.0 13.4

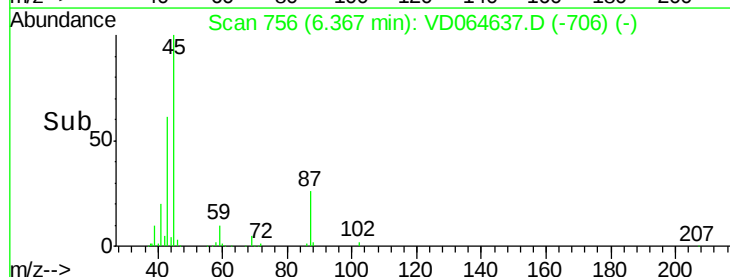
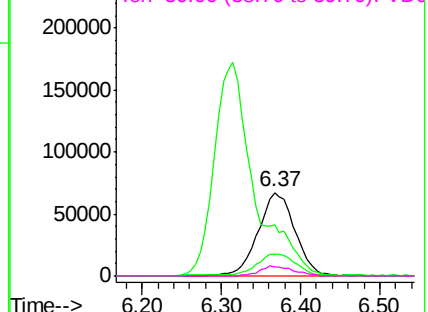


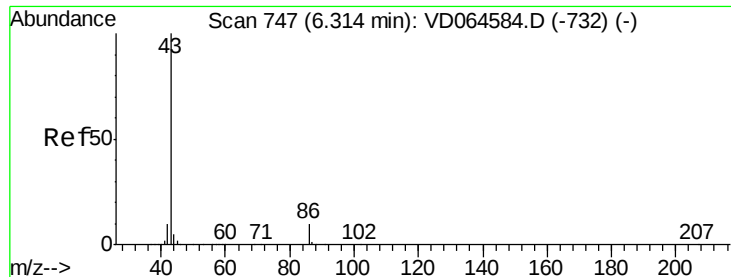
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 93.356 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

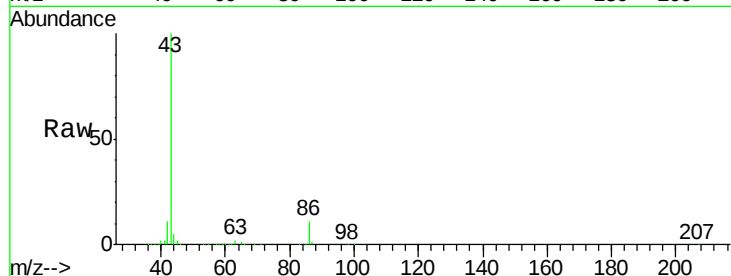
VD1227SBS01

Tgt Ion: 43 Resp: 603532

Ion Ratio Lower Upper

43 100

86 10.8 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

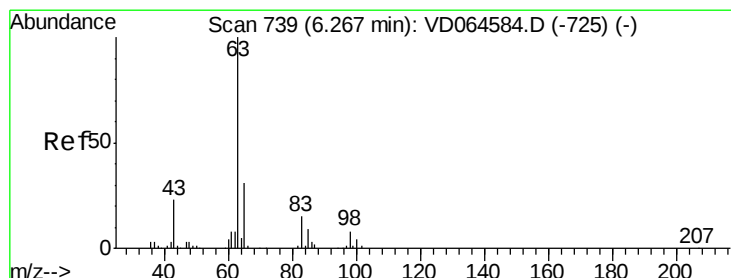
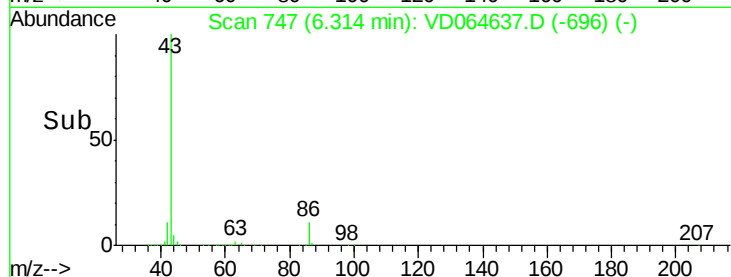
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.796 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

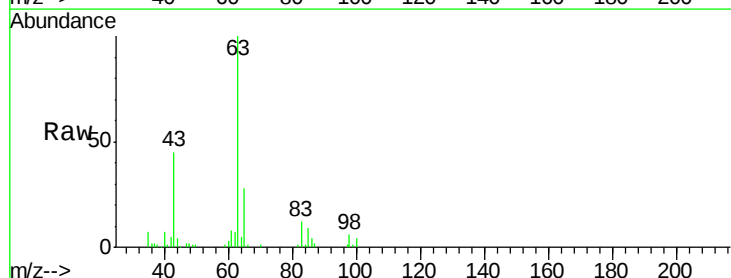
Tgt Ion: 63 Resp: 135437

Ion Ratio Lower Upper

63 100

98 6.4 4.1 12.3

100 4.5 2.2 6.6



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

6.27

60000

50000

40000

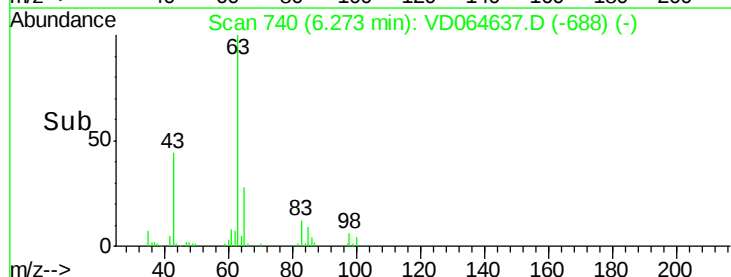
30000

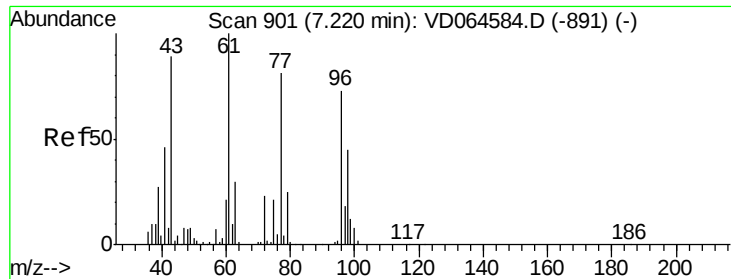
20000

10000

0

Time-->





#25

2-Butanone

Concen: 90.633 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

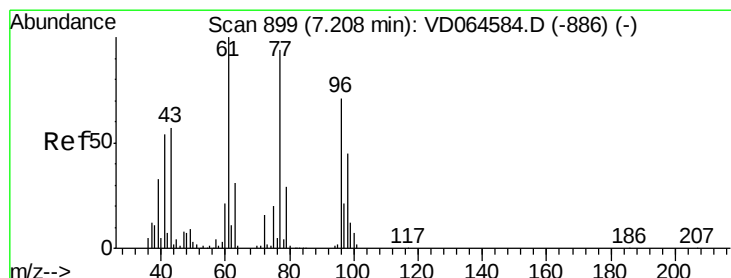
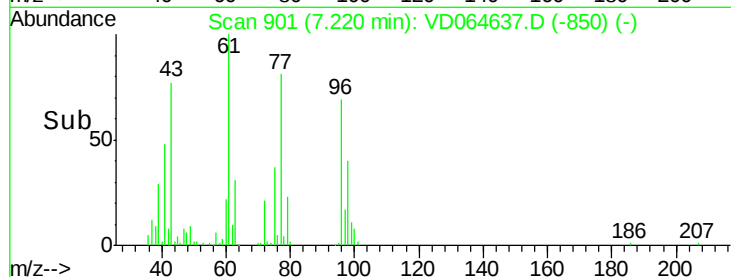
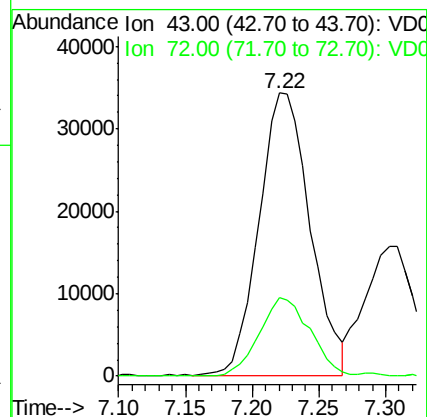
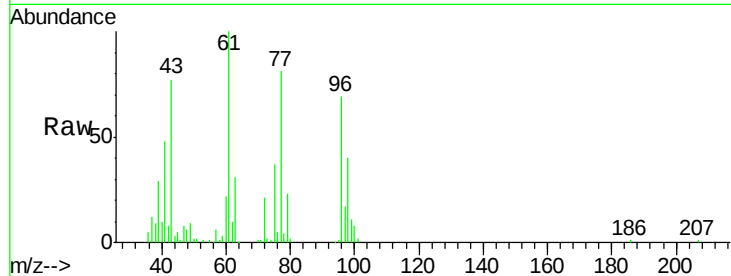
VD1227SBSD01

Tgt Ion: 43 Resp: 91506

Ion Ratio Lower Upper

43 100

72 27.7 20.7 31.1



#26

2,2-Dichloropropane

Concen: 19.567 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064637.D

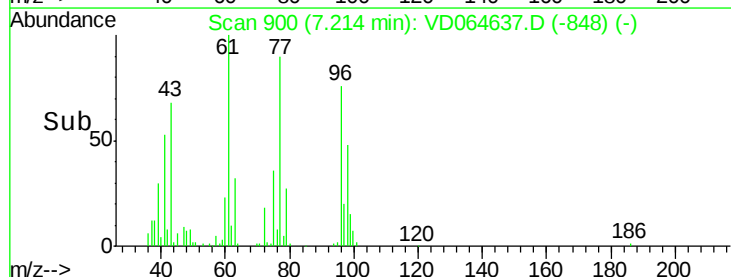
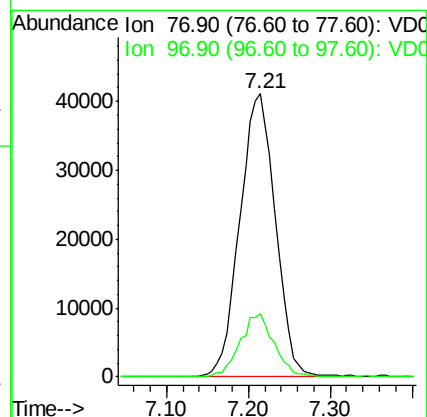
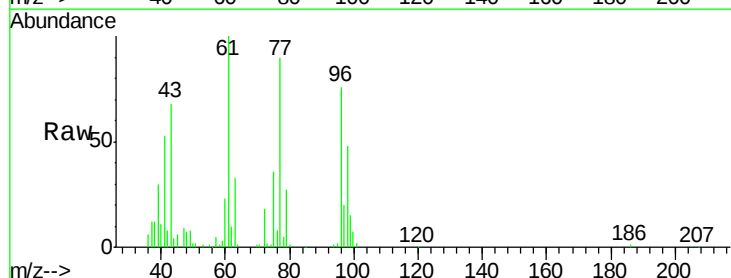
Acq: 27 Dec 2019 11:33

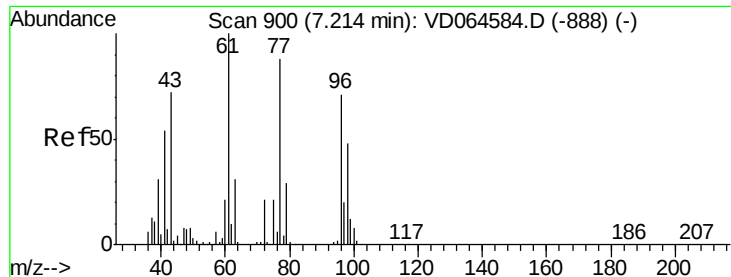
Tgt Ion: 77 Resp: 124469

Ion Ratio Lower Upper

77 100

97 21.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 19.251 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

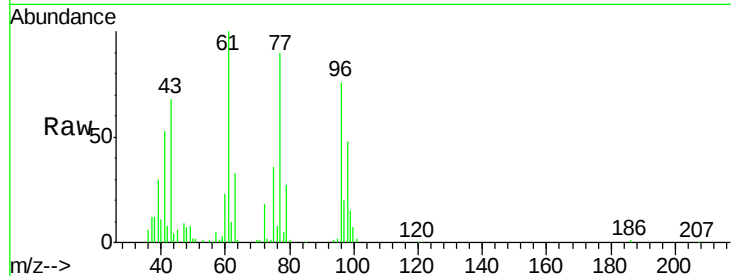
Tgt Ion: 96 Resp: 86709

Ion Ratio Lower Upper

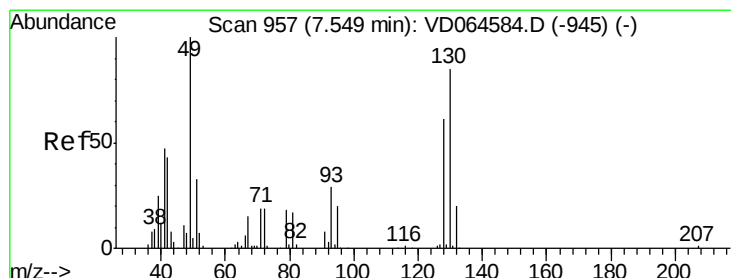
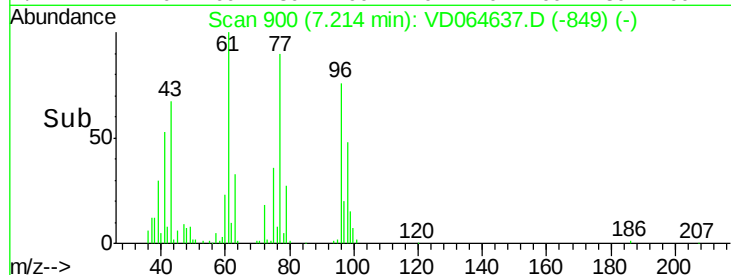
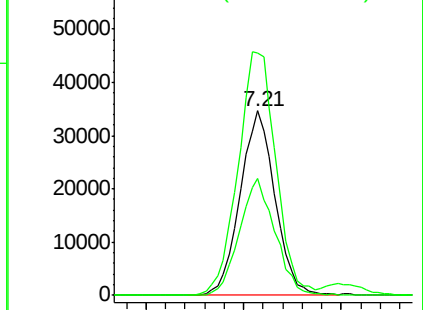
96 100

61 143.1 0.0 282.6

98 64.4 0.0 130.8



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



#28

Bromochloromethane

Concen: 17.872 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

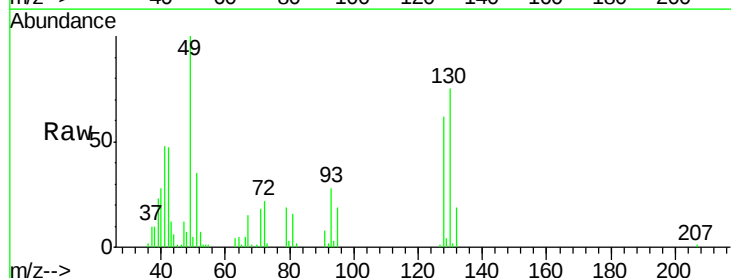
Tgt Ion: 49 Resp: 47532

Ion Ratio Lower Upper

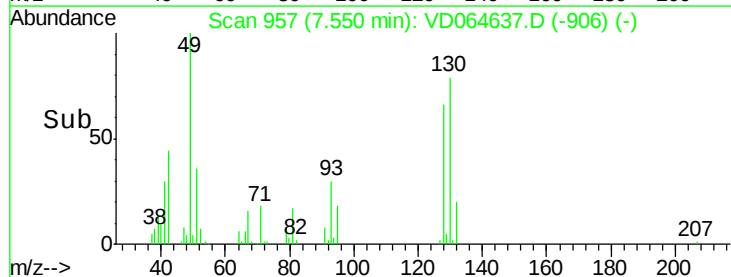
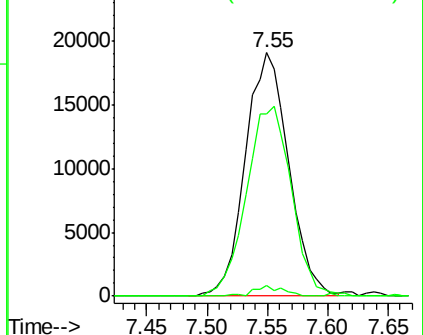
49 100

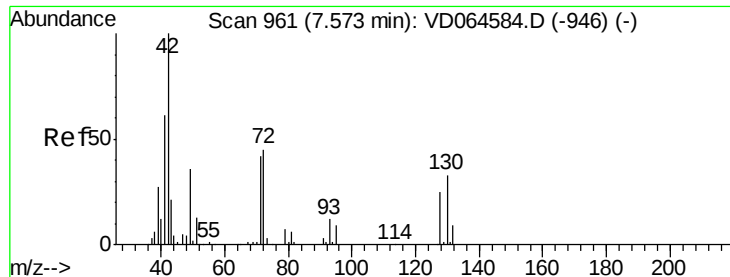
129 2.9 0.0 4.8

130 81.0 65.0 97.6



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

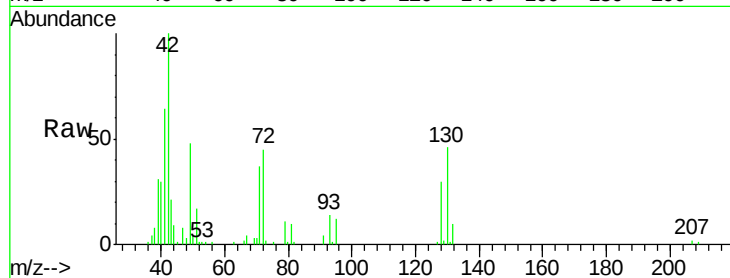




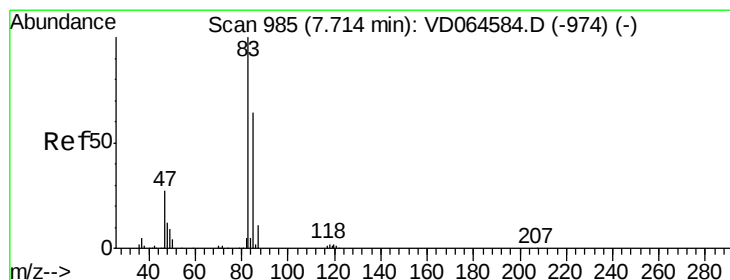
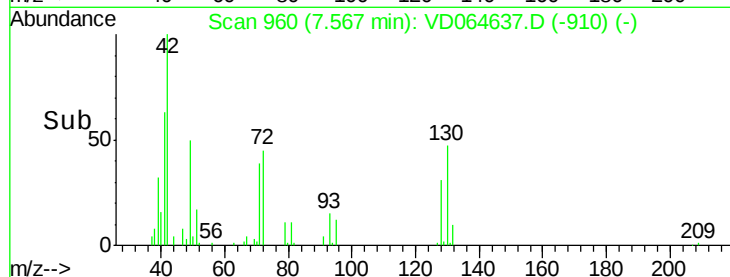
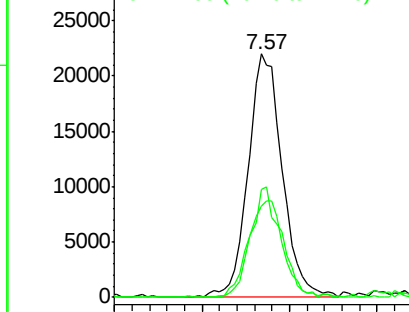
#29
Tetrahydrofuran
Concen: 93.114 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tgt Ion: 42 Resp: 58463
Ion Ratio Lower Upper
42 100
72 42.4 35.0 52.4
71 39.7 32.9 49.3

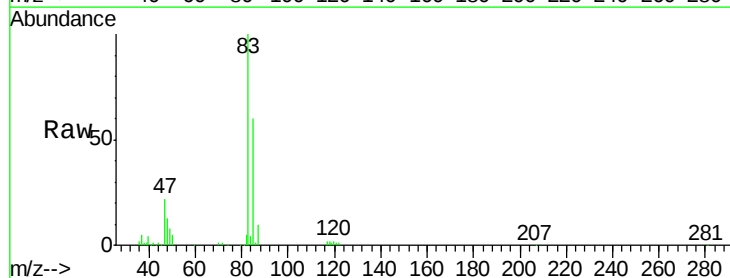


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

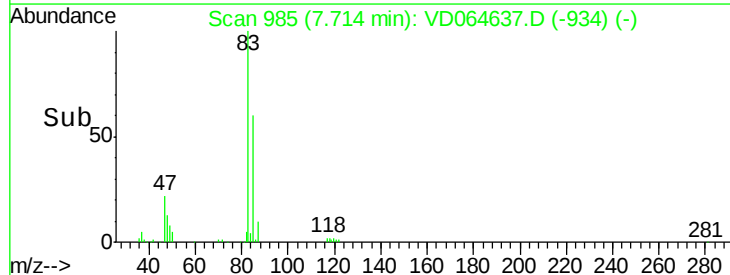
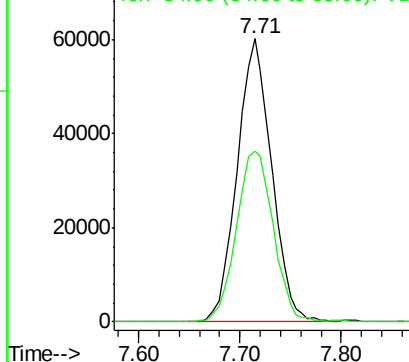


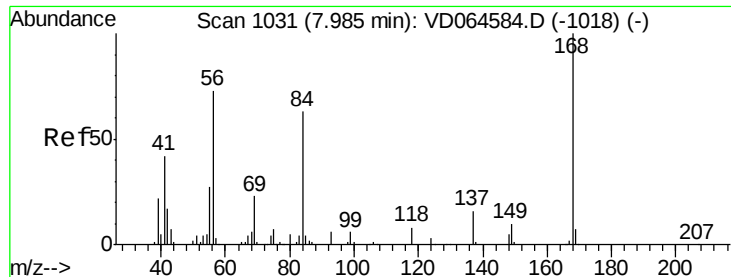
#30
Chloroform
Concen: 19.736 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion: 83 Resp: 141671
Ion Ratio Lower Upper
83 100
85 60.4 51.1 76.7



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

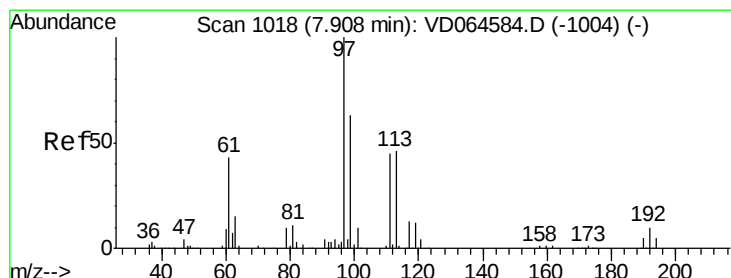
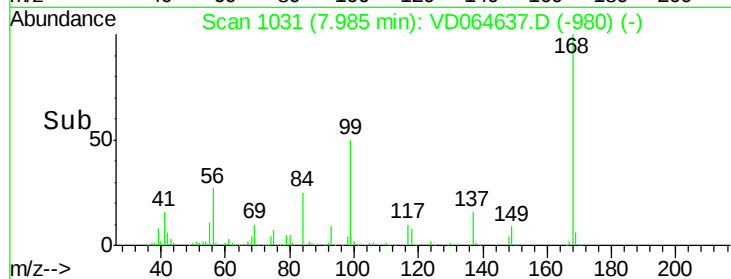
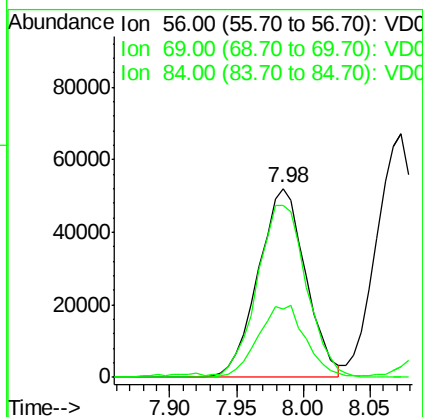
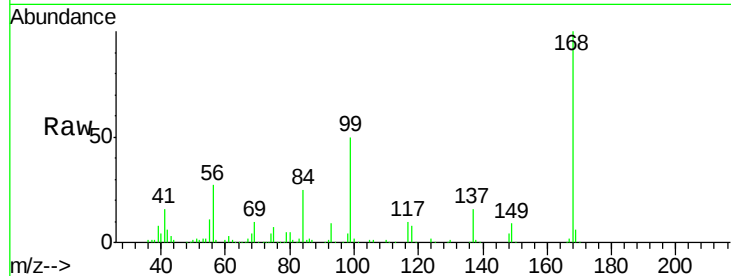




#31
Cyclohexane
Concen: 18.841 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

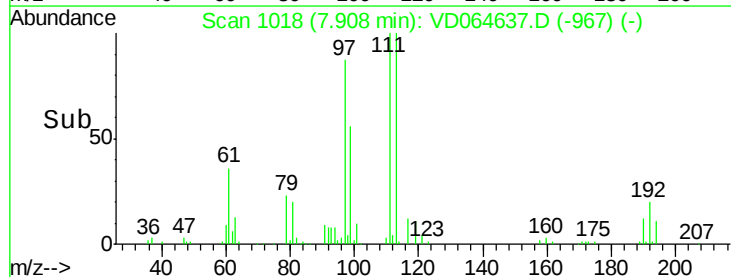
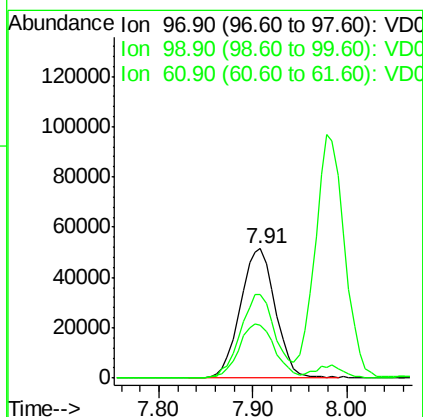
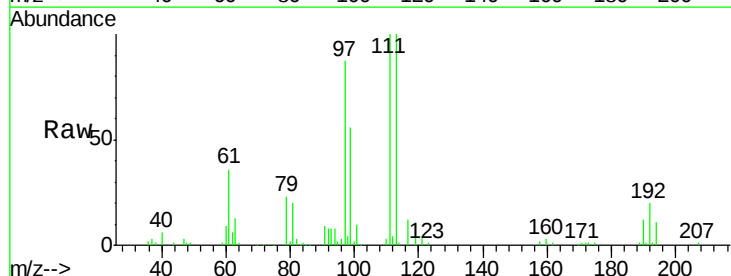
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

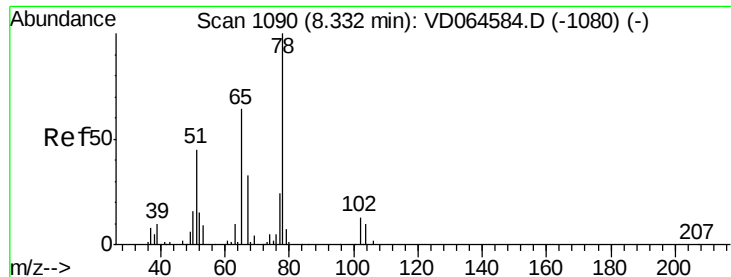
Tgt Ion: 56 Resp: 129033
Ion Ratio Lower Upper
56 100
69 35.7 24.7 37.1
84 89.7 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 19.677 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion: 97 Resp: 132668
Ion Ratio Lower Upper
97 100
99 65.0 51.0 76.6
61 42.9 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 46.990 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

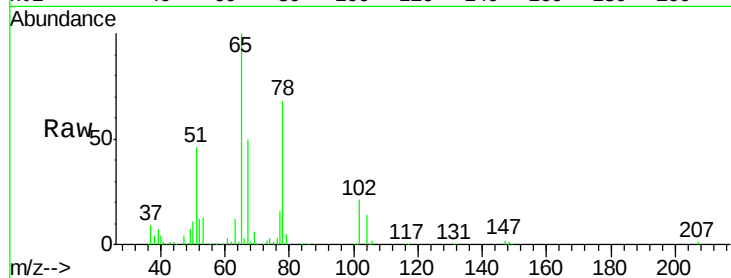
VD1227SBSD01

Tgt Ion: 65 Resp: 172595

Ion Ratio Lower Upper

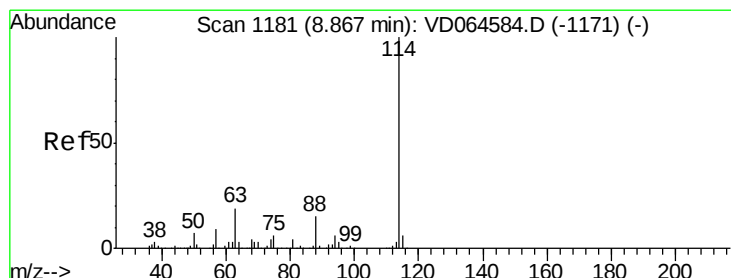
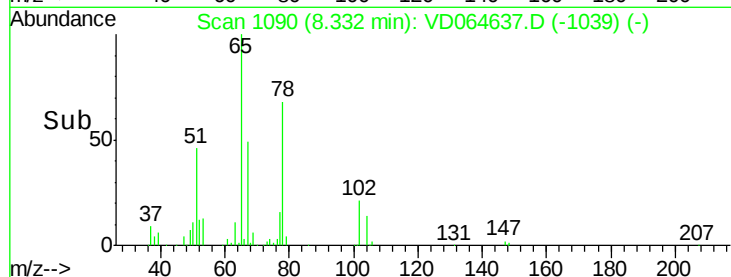
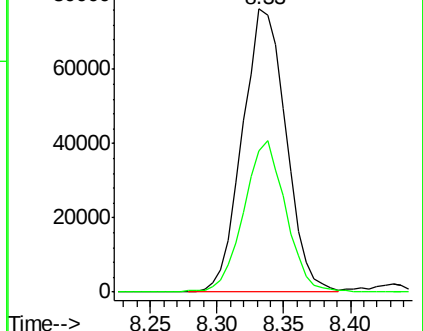
65 100

67 51.4 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VD064637.D (-1039) (-)

Ion 66.90 (66.60 to 67.60): VD064637.D (-1039) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

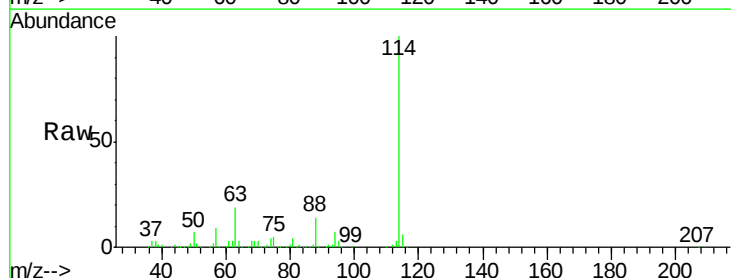
Tgt Ion: 114 Resp: 607523

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.0

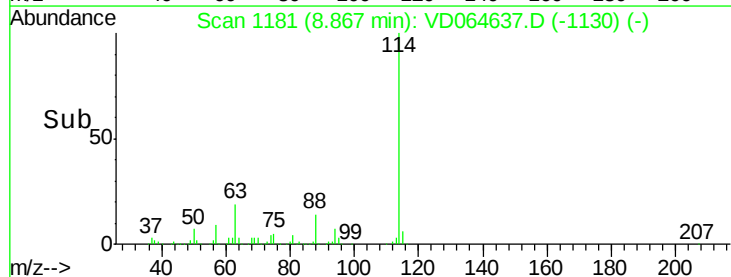
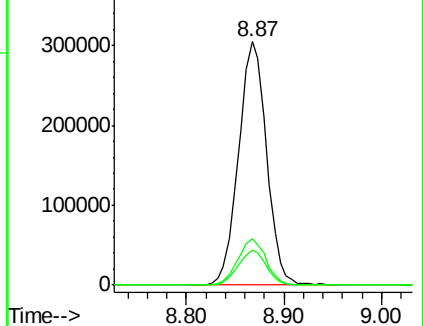
88 14.3 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): VD064637.D (-1130) (-)

Ion 63.00 (62.70 to 63.70): VD064637.D (-1130) (-)

Ion 87.90 (87.60 to 88.60): VD064637.D (-1130) (-)





#35

Dibromofluoromethane

Concen: 47.333 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBSD01

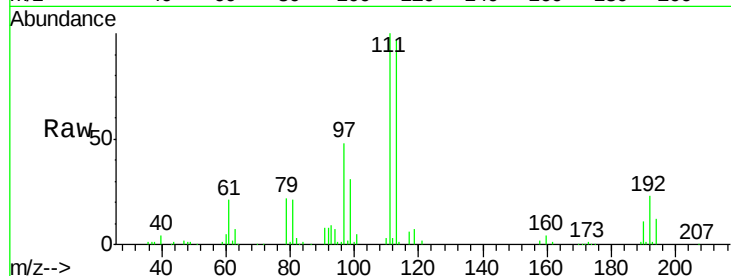
Tgt Ion:113 Resp: 176422

Ion Ratio Lower Upper

113 100

111 101.3 80.6 121.0

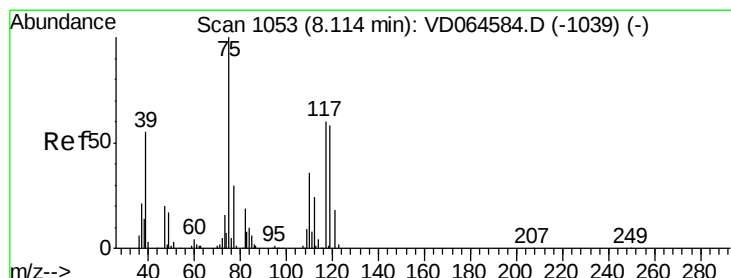
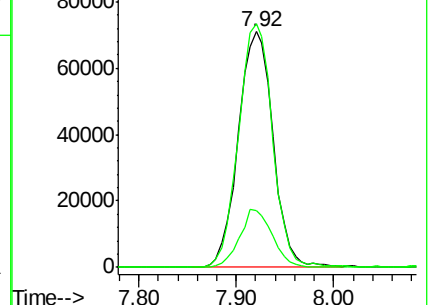
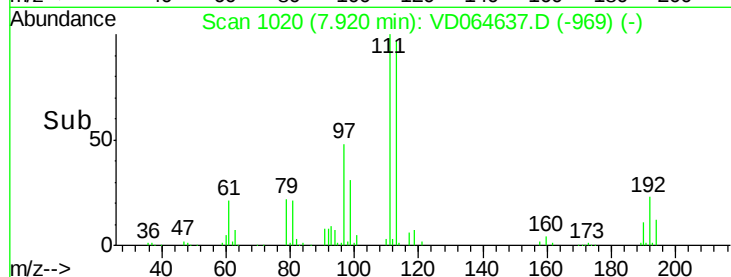
192 23.1 17.9 26.9



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: 19.132 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

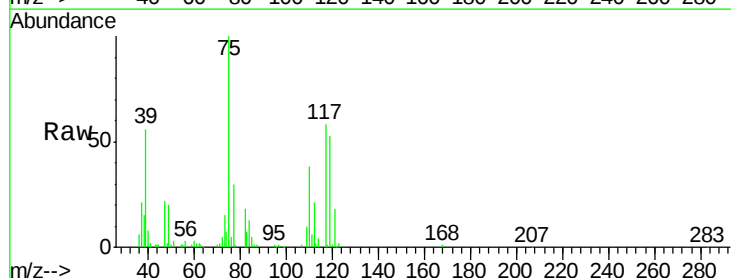
Tgt Ion: 75 Resp: 111872

Ion Ratio Lower Upper

75 100

110 37.0 18.1 54.1

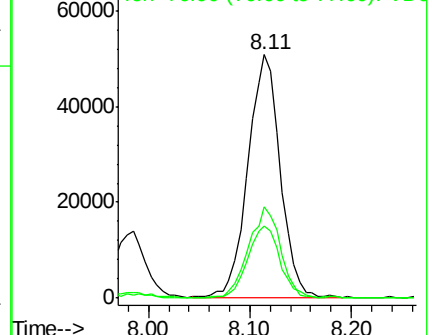
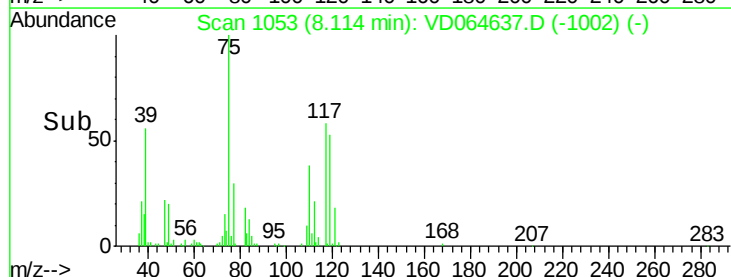
77 30.0 24.2 36.4



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

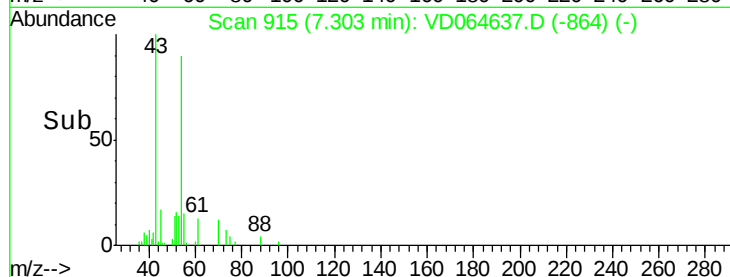
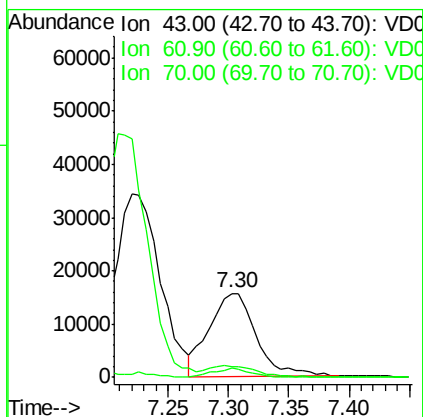
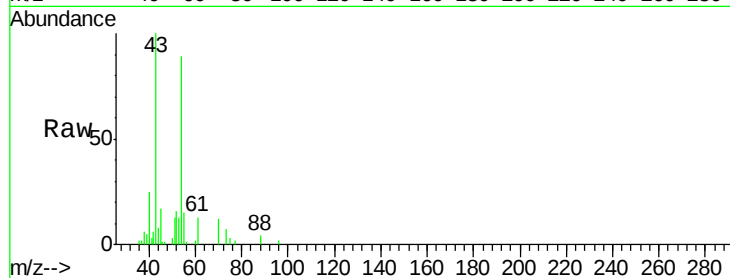




#37
Ethyl Acetate
Concen: 18.207 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

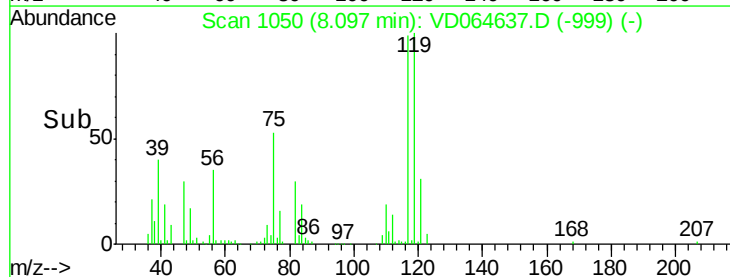
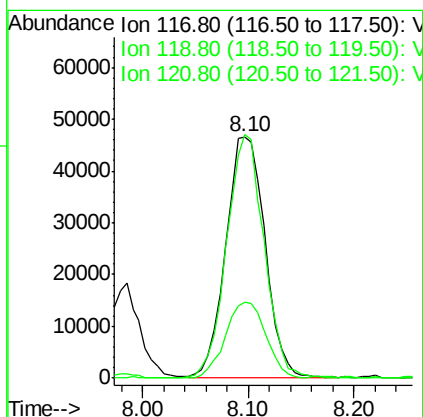
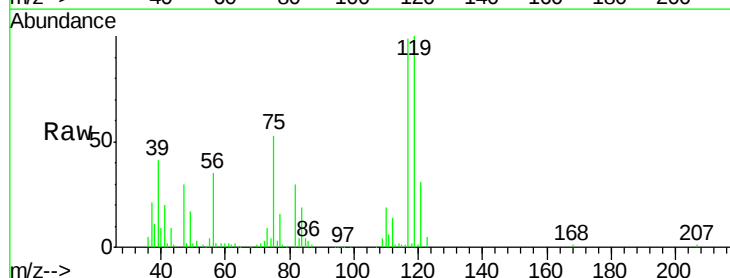
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

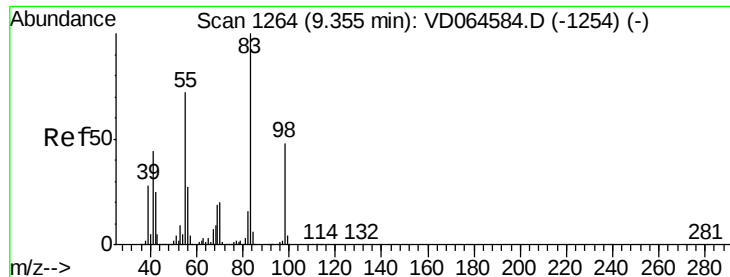
Tgt Ion: 43 Resp: 41824
Ion Ratio Lower Upper
43 100
61 15.2 10.3 15.5
70 8.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.278 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion: 117 Resp: 120202
Ion Ratio Lower Upper
117 100
119 100.8 77.3 115.9
121 31.2 25.0 37.6

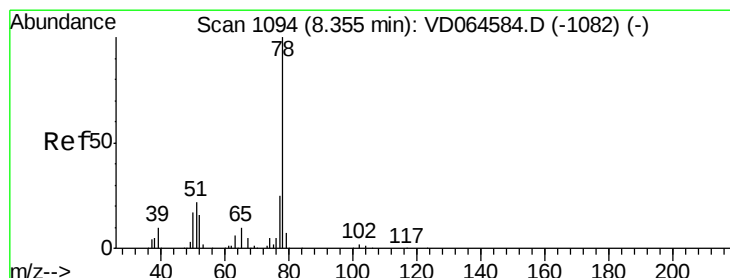
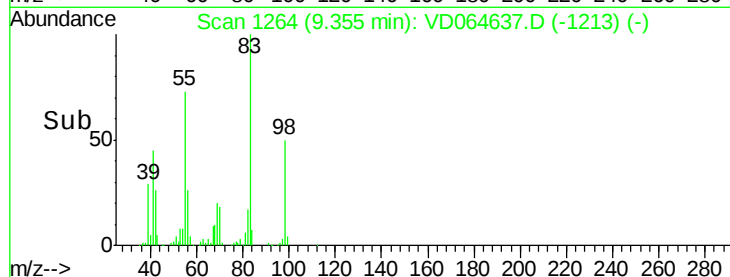
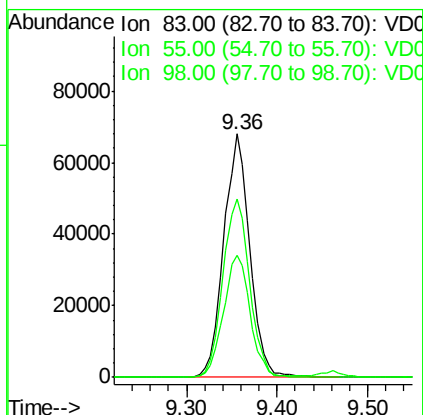
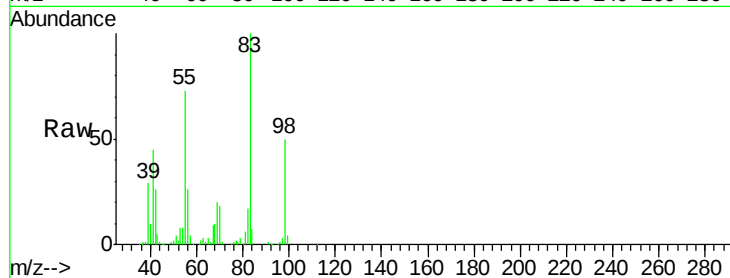




#39
Methylcyclohexane
Concen: 19.182 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

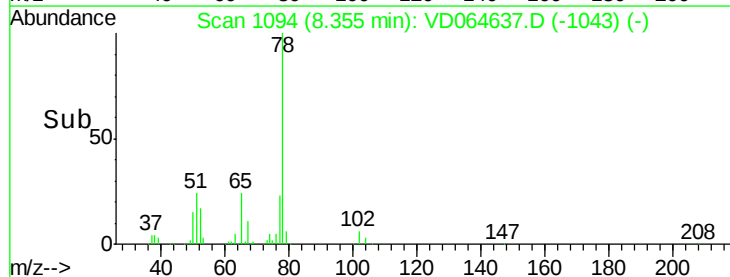
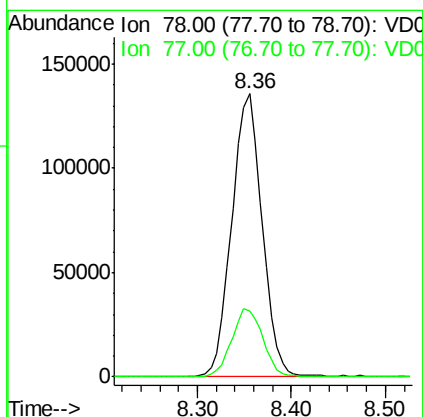
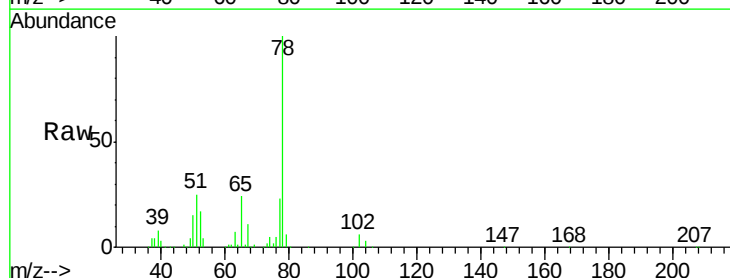
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

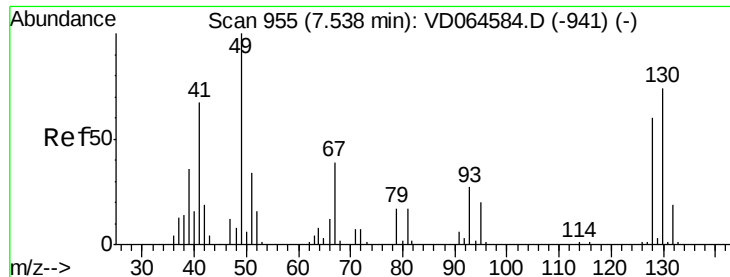
Tgt Ion: 83 Resp: 135851
Ion Ratio Lower Upper
83 100
55 73.1 57.8 86.6
98 50.1 38.7 58.1



#40
Benzene
Concen: 19.098 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion: 78 Resp: 304862
Ion Ratio Lower Upper
78 100
77 23.3 19.9 29.9





#41

Methacrylonitrile

Concen: 19.920 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tgt Ion: 41 Resp: 26550

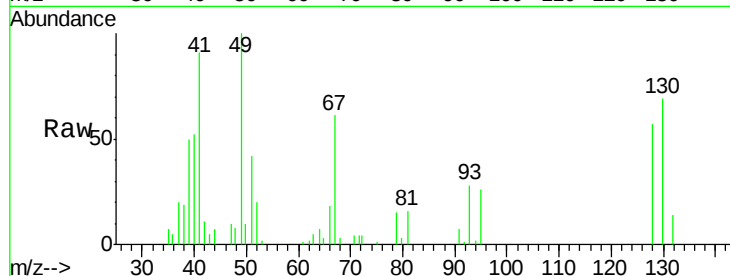
Ion Ratio Lower Upper

41 100

39 52.9 46.7 70.1

67 64.1 52.5 78.7

52 28.1 24.1 36.1

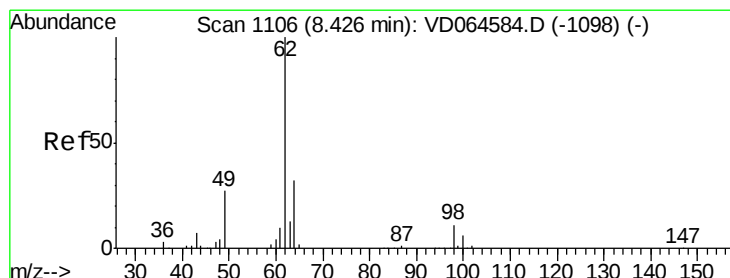
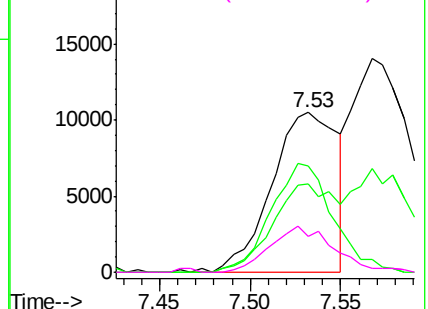
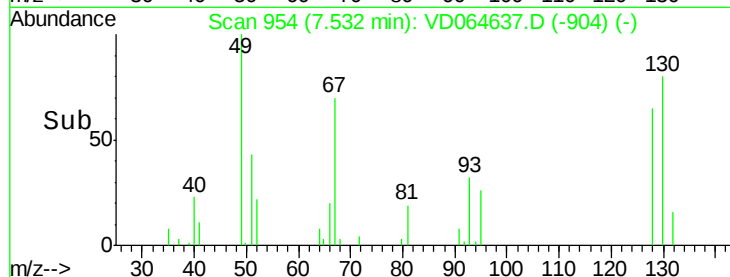


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 18.958 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064637.D

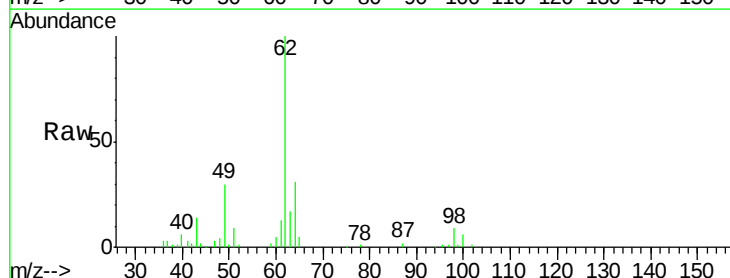
Acq: 27 Dec 2019 11:33

Tgt Ion: 62 Resp: 87451

Ion Ratio Lower Upper

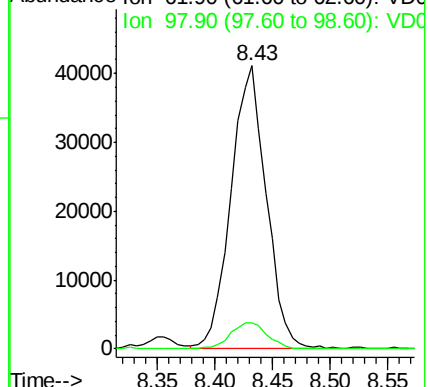
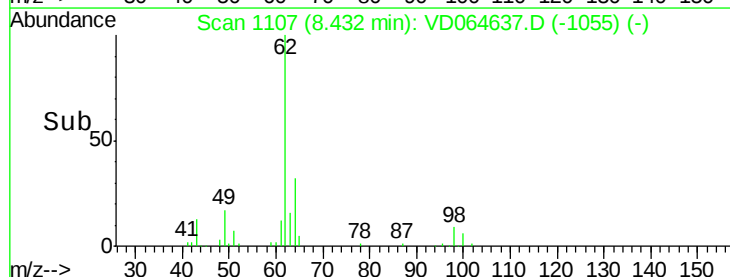
62 100

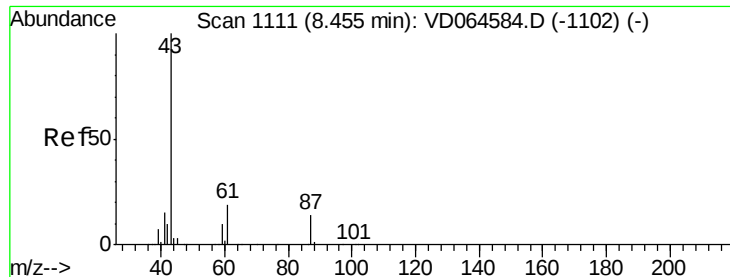
98 9.6 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 17.411 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

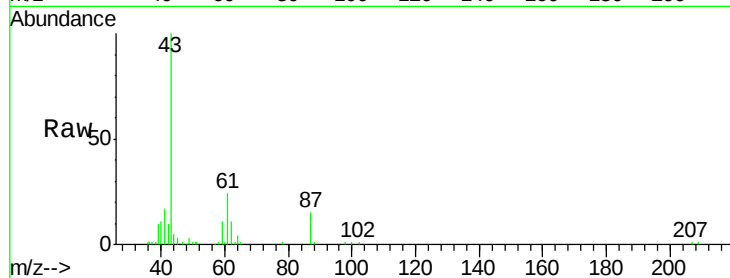
Tgt Ion: 43 Resp: 79609

Ion Ratio Lower Upper

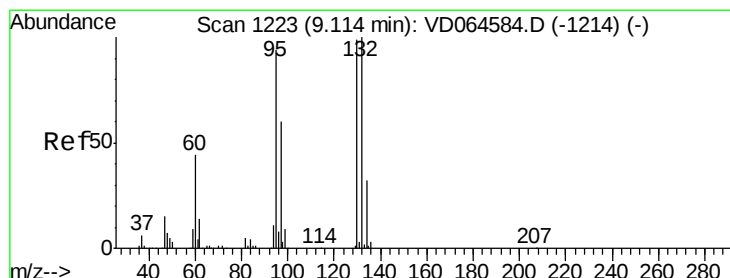
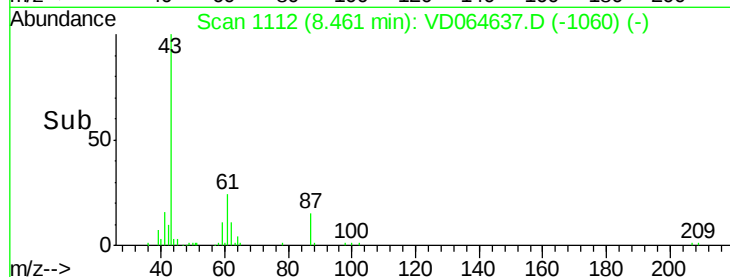
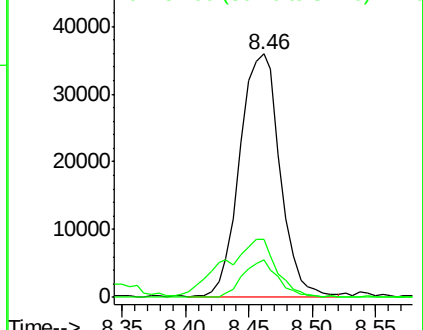
43 100

61 31.4 23.7 35.5

87 13.5 10.5 15.7



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: 19.266 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064637.D

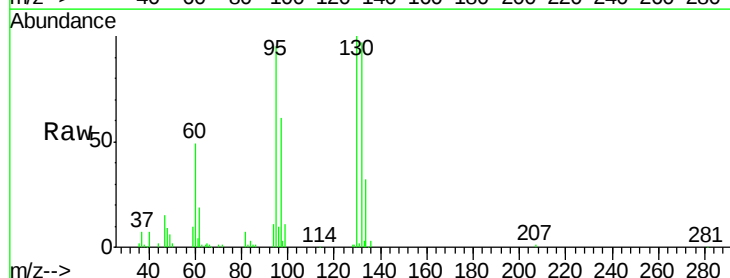
Acq: 27 Dec 2019 11:33

Tgt Ion:130 Resp: 90345

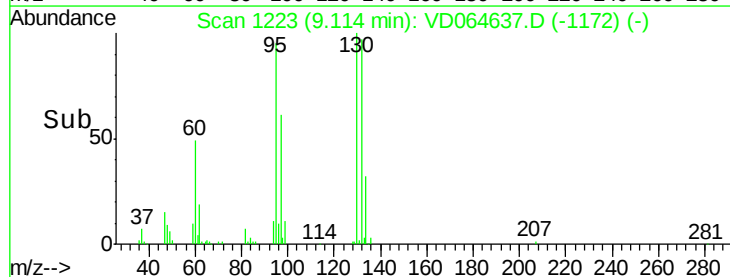
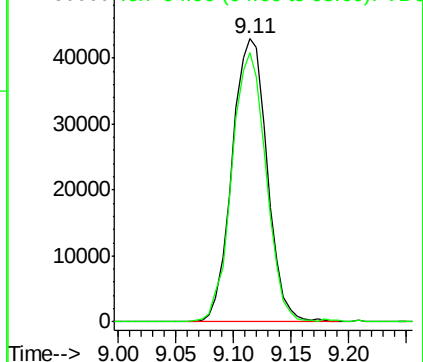
Ion Ratio Lower Upper

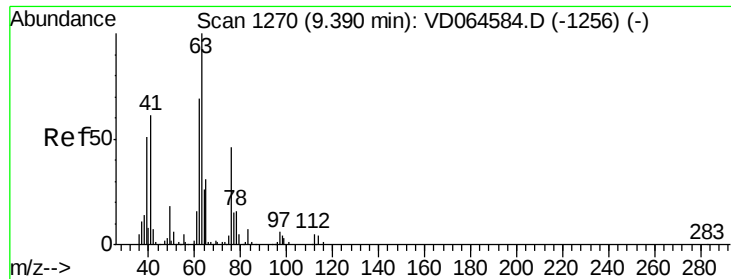
130 100

95 95.2 0.0 190.2



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





#45

1,2-Dichloropropane

Concen: 19.910 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

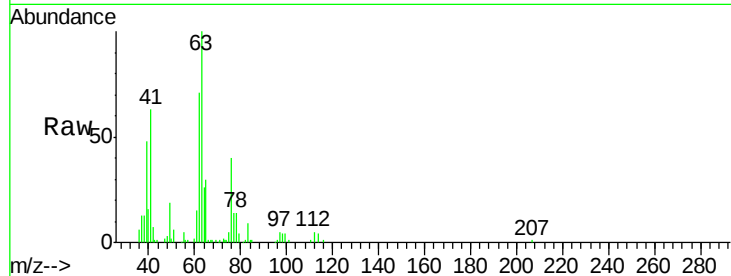
VD1227SBSD01

Tgt Ion: 63 Resp: 75882

Ion Ratio Lower Upper

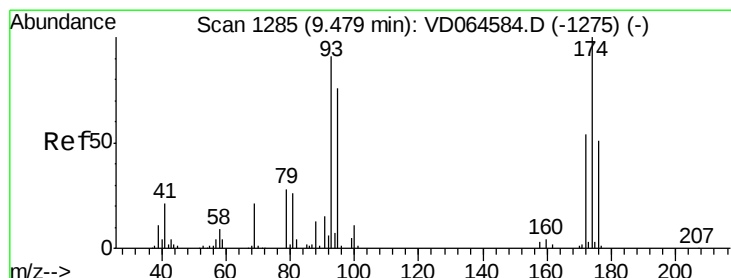
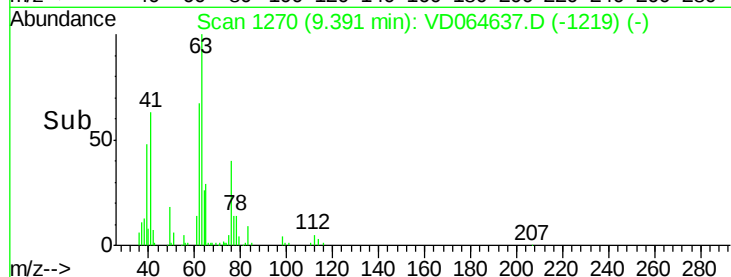
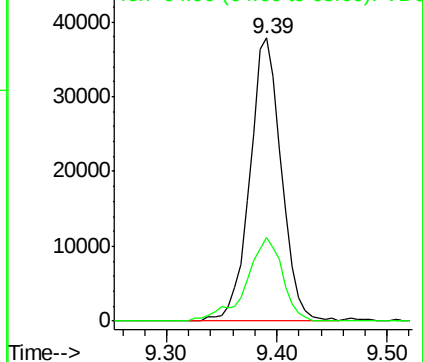
63 100

65 29.7 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 18.555 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

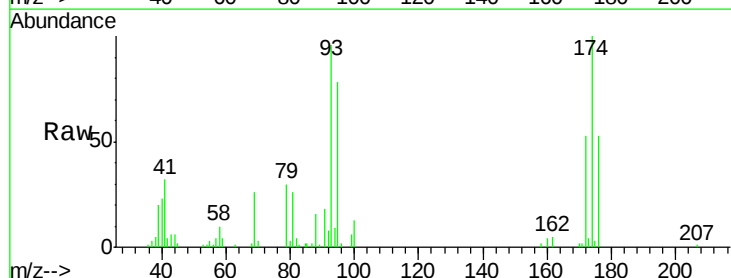
Tgt Ion: 93 Resp: 39429

Ion Ratio Lower Upper

93 100

95 84.8 64.6 97.0

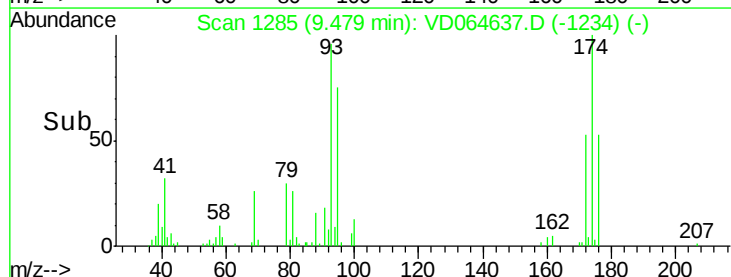
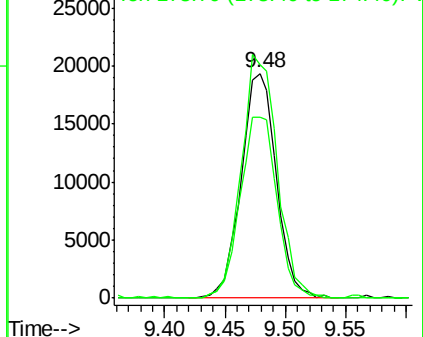
174 110.4 88.1 132.1

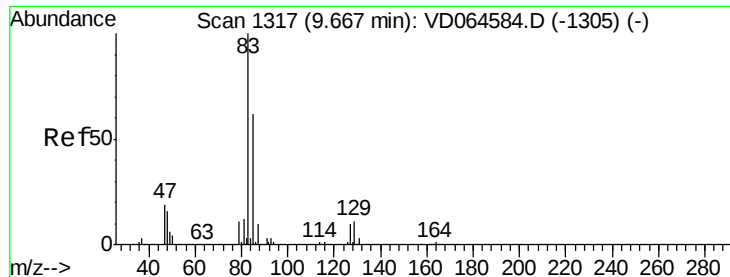


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.168 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

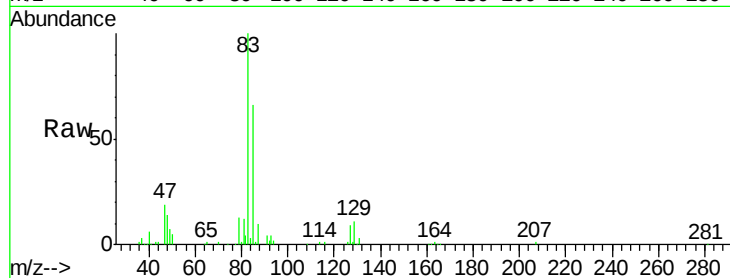
Tgt Ion: 83 Resp: 108381

Ion Ratio Lower Upper

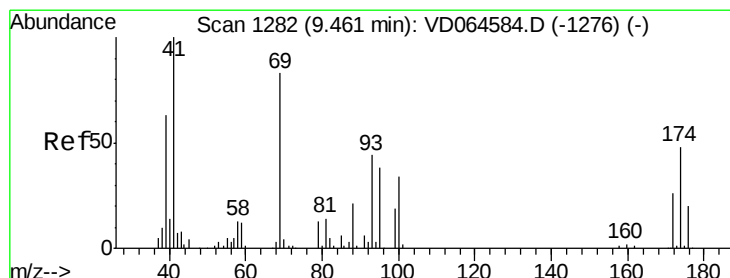
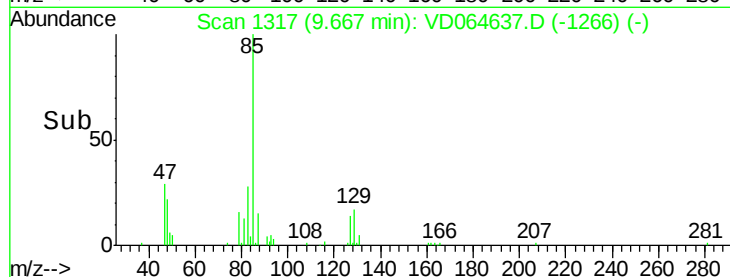
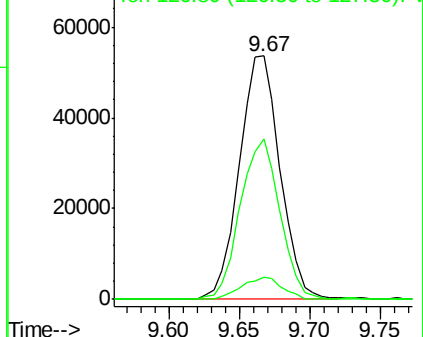
83 100

85 66.1 49.5 74.3

127 9.1 7.8 11.6



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: 17.262 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

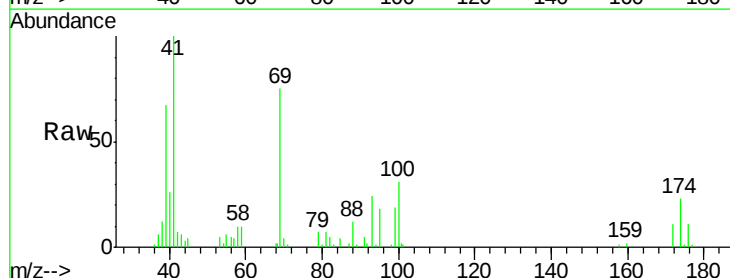
Tgt Ion: 41 Resp: 37164

Ion Ratio Lower Upper

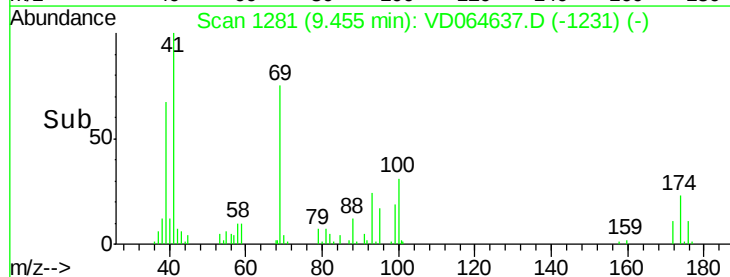
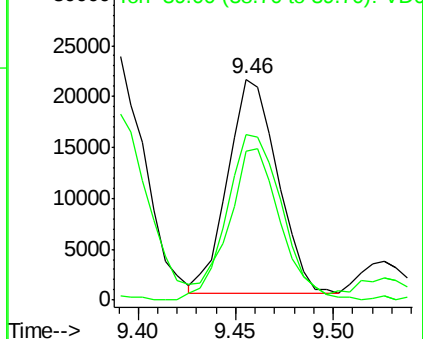
41 100

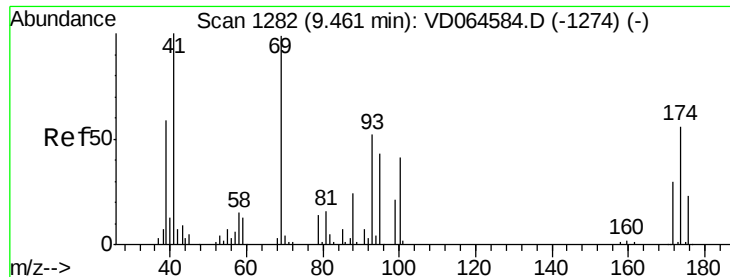
69 85.5 63.0 94.6

39 66.9 47.4 71.2



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: 375.317 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

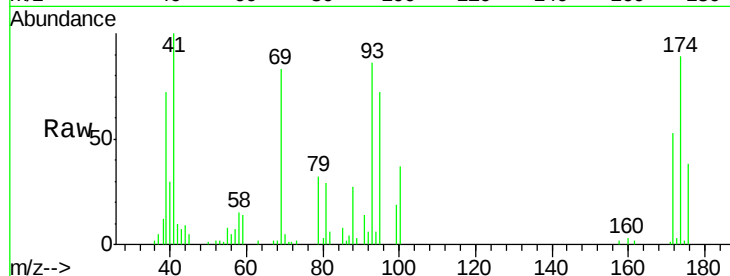
Tgt Ion: 88 Resp: 9196

Ion Ratio Lower Upper

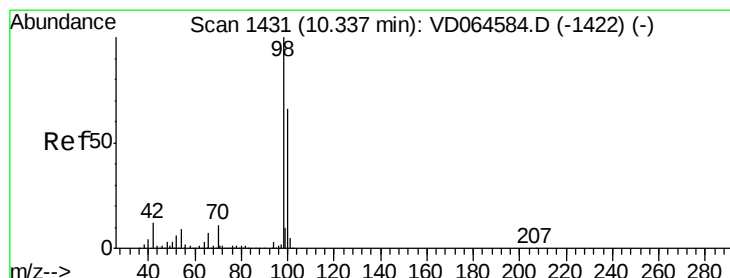
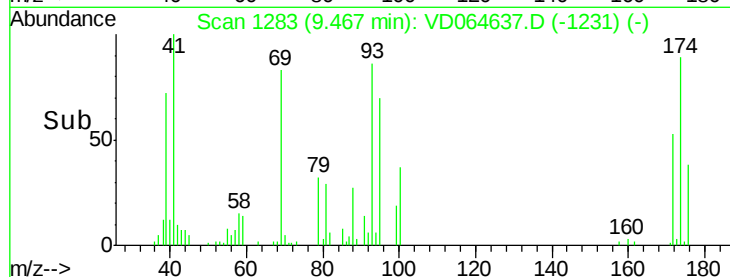
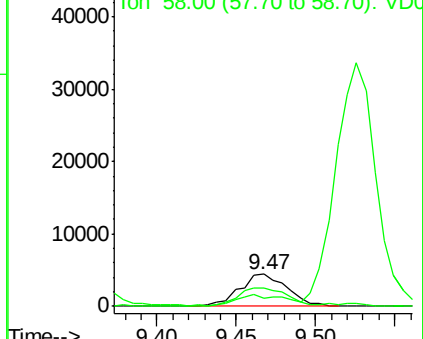
88 100

43 38.4 27.7 41.5

58 60.0 53.8 80.6



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



#50

Toluene-d8

Concen: 47.739 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064637.D

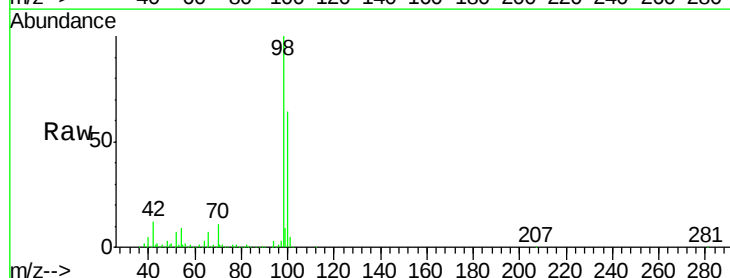
Acq: 27 Dec 2019 11:33

Tgt Ion: 98 Resp: 681472

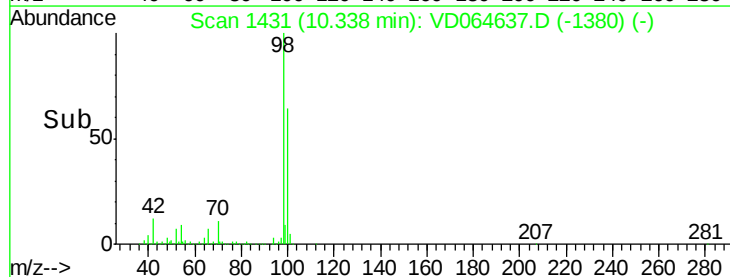
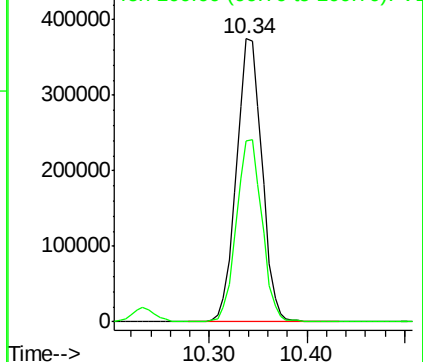
Ion Ratio Lower Upper

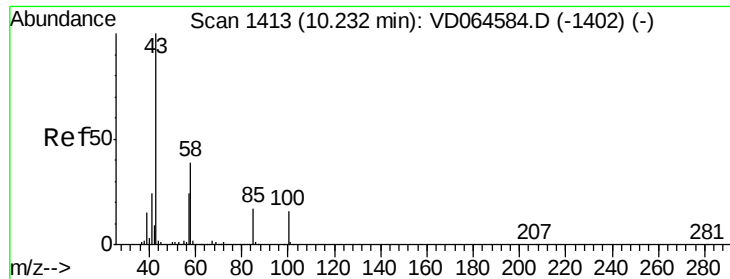
98 100

100 64.7 51.7 77.5



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

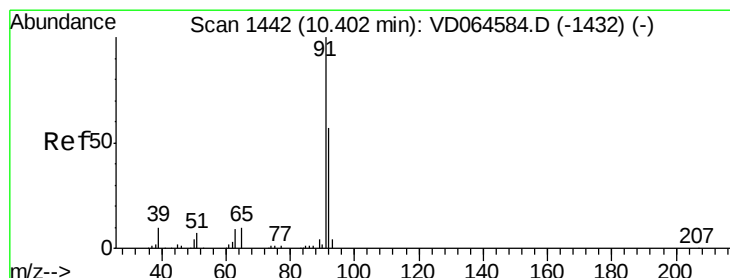
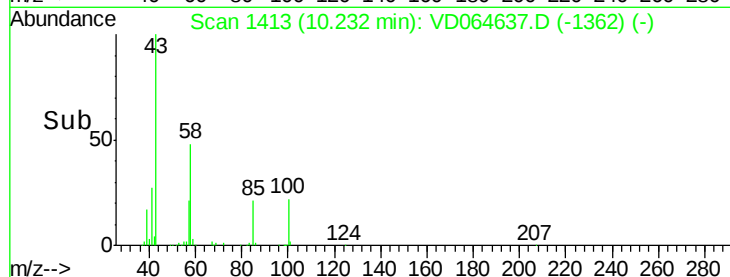
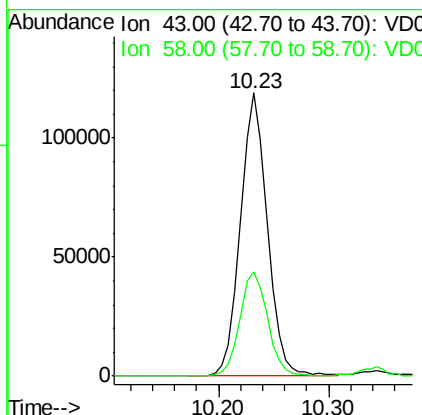
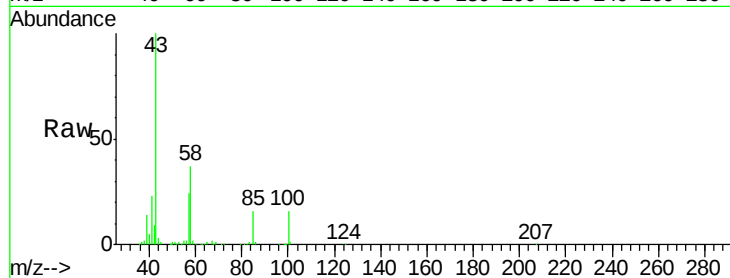




#51
 4-Methyl-2-Pentanone
 Concen: 90.829 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

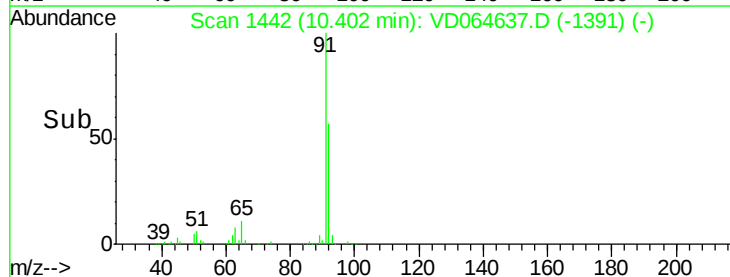
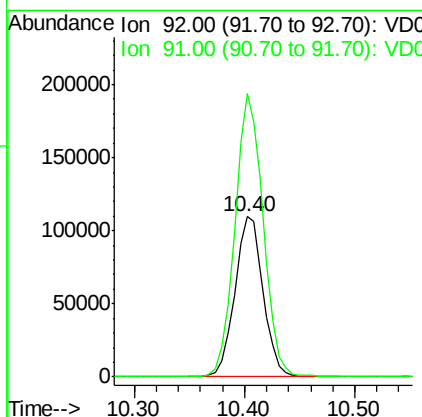
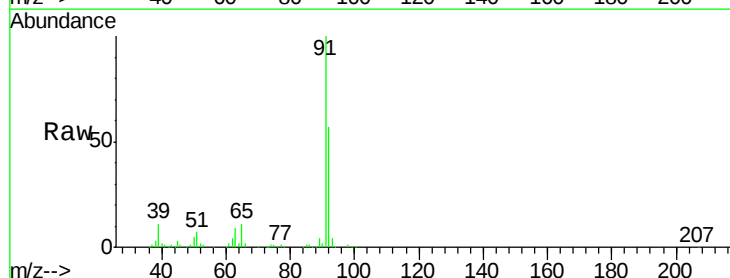
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

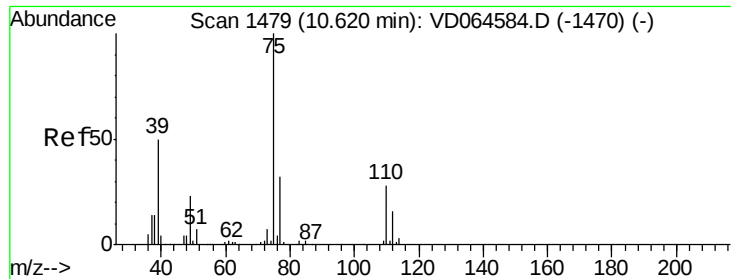
Tgt Ion: 43 Resp: 205273
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.2 45.2



#52
 Toluene
 Concen: 18.814 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion: 92 Resp: 197030
 Ion Ratio Lower Upper
 92 100
 91 176.4 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 18.249 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

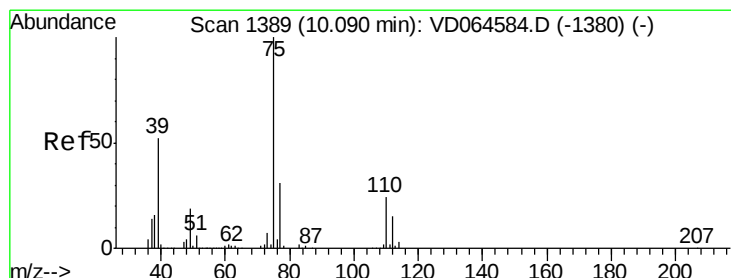
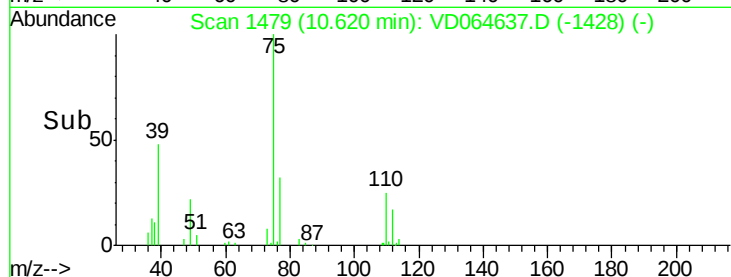
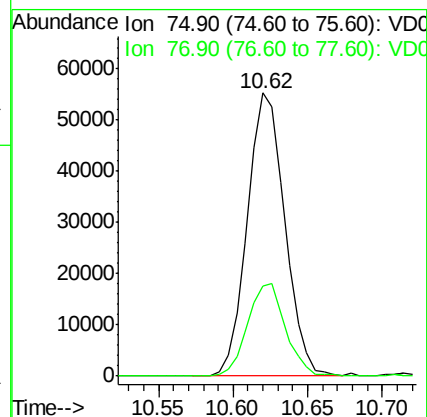
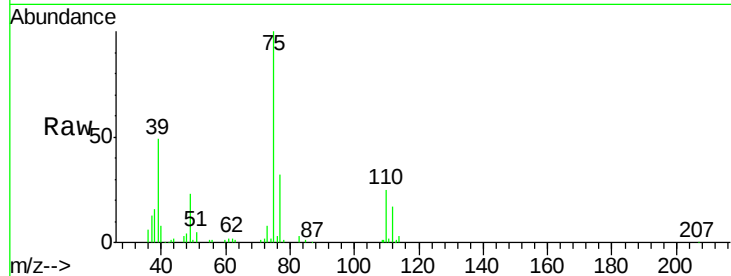
VD1227SBS01

Tgt Ion: 75 Resp: 96201

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.180 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

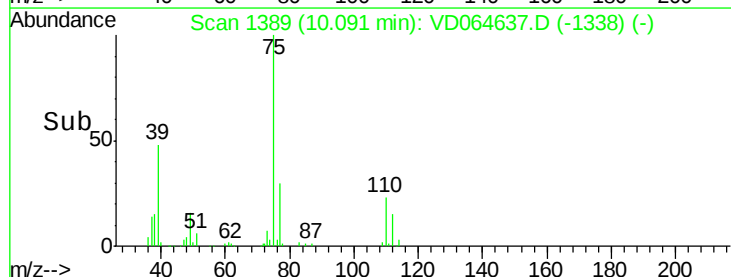
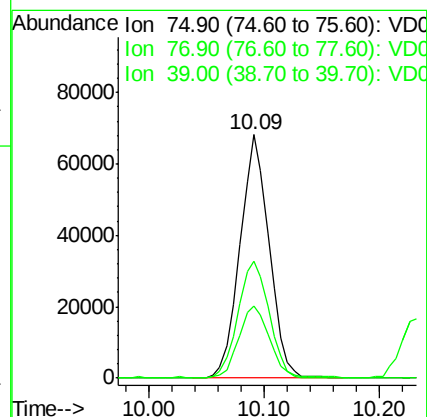
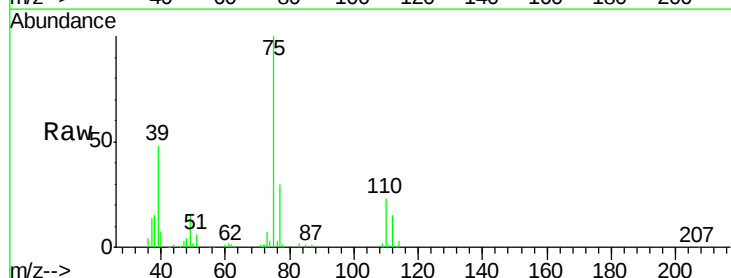
Tgt Ion: 75 Resp: 119225

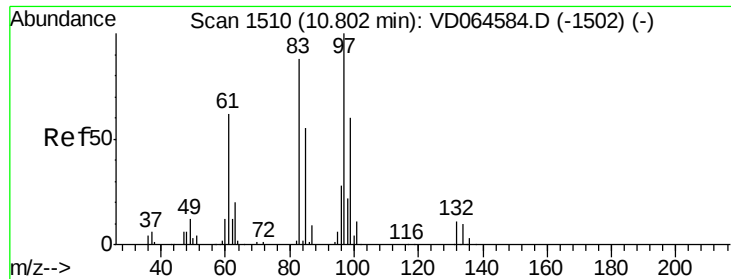
Ion Ratio Lower Upper

75 100

77 29.5 24.6 36.8

39 47.9 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 19.116 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBSD01

Tgt Ion: 97 Resp: 54742

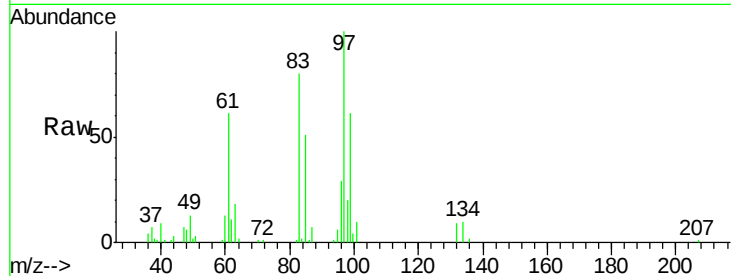
Ion Ratio Lower Upper

97 100

83 80.4 70.2 105.4

85 51.3 44.0 66.0

99 61.5 47.8 71.6

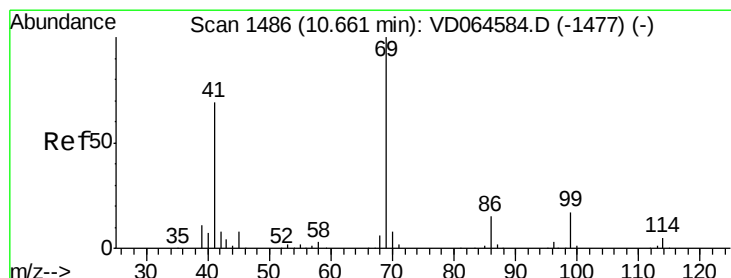
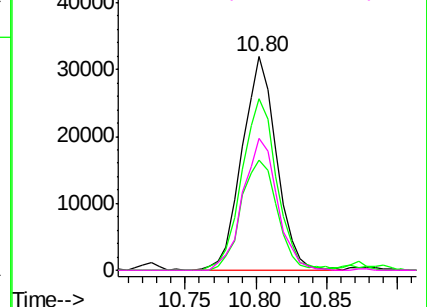
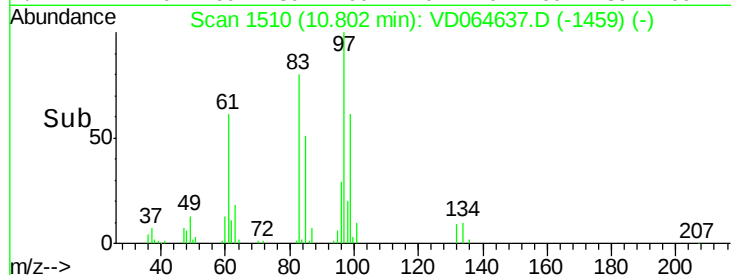


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 18.115 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

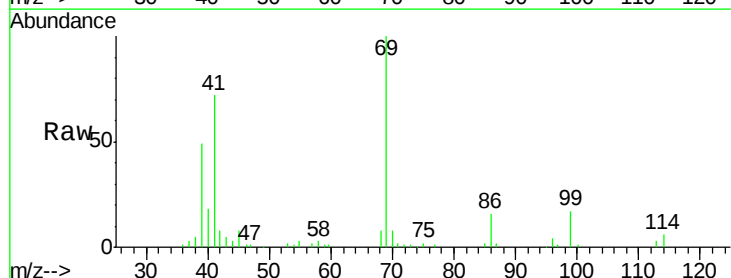
Tgt Ion: 69 Resp: 64786

Ion Ratio Lower Upper

69 100

41 67.1 55.3 82.9

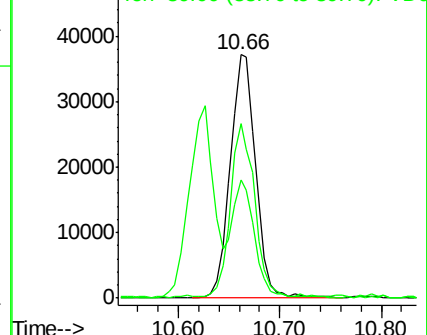
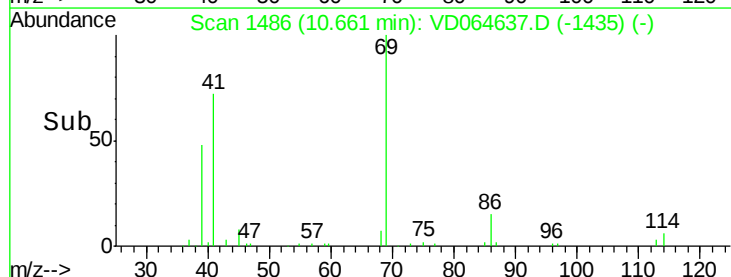
39 42.7 33.8 50.8

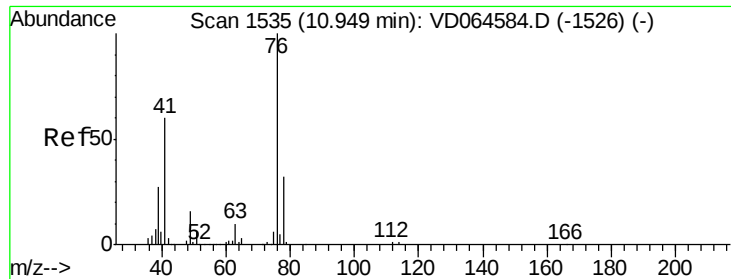


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 18.635 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

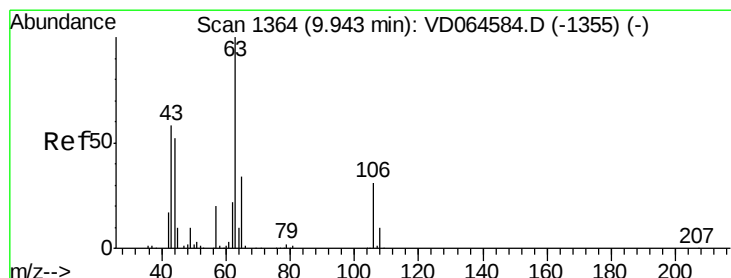
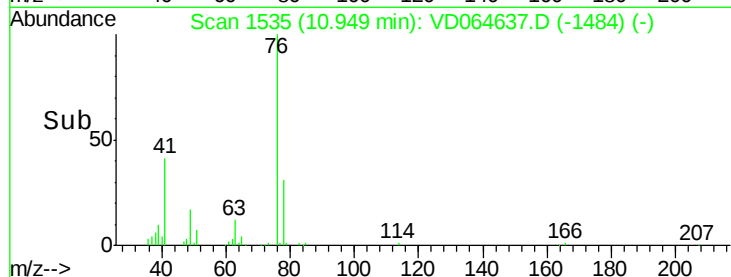
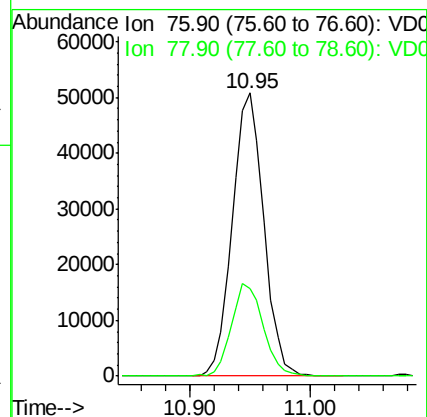
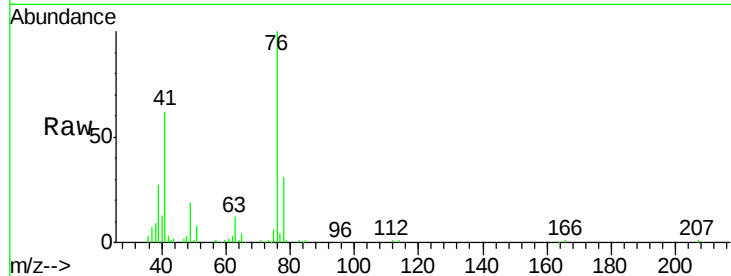
VD1227SBSD01

Tgt Ion: 76 Resp: 91884

Ion Ratio Lower Upper

76 100

78 33.0 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 99.305 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064637.D

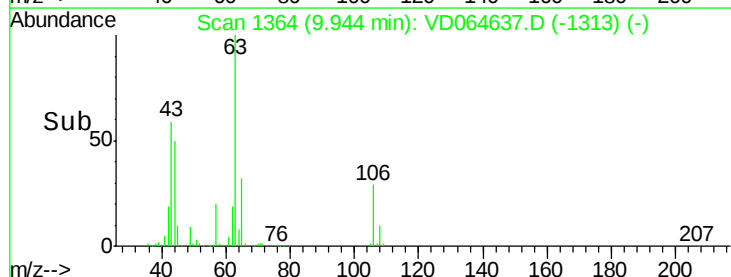
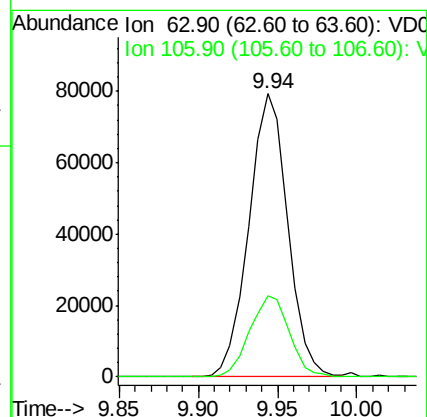
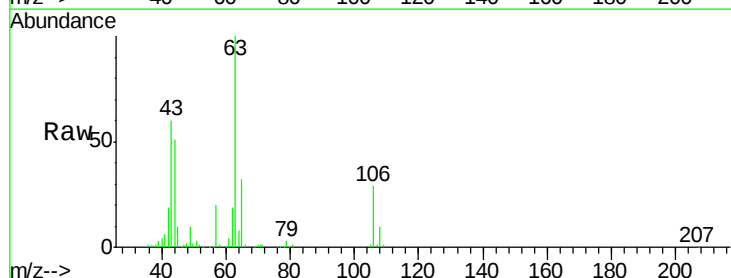
Acq: 27 Dec 2019 11:33

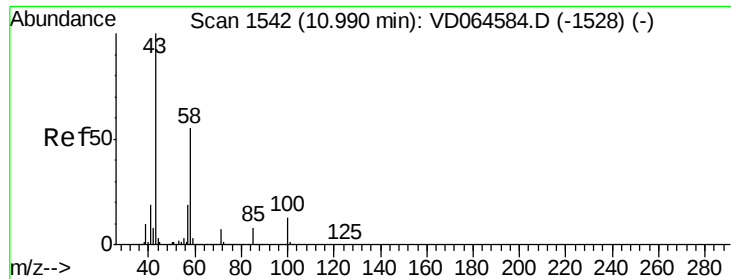
Tgt Ion: 63 Resp: 135312

Ion Ratio Lower Upper

63 100

106 29.4 23.8 35.8

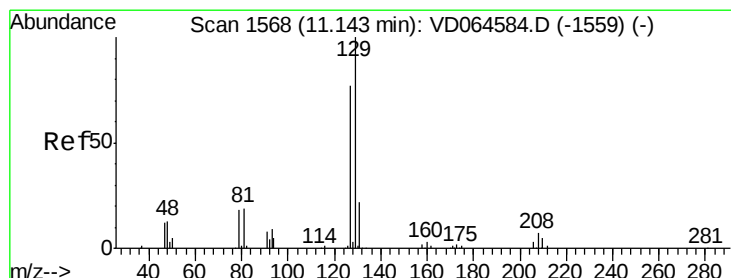
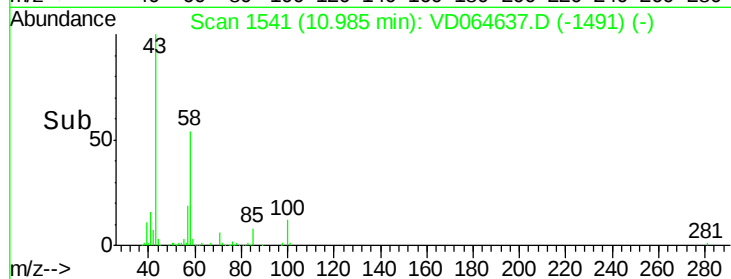
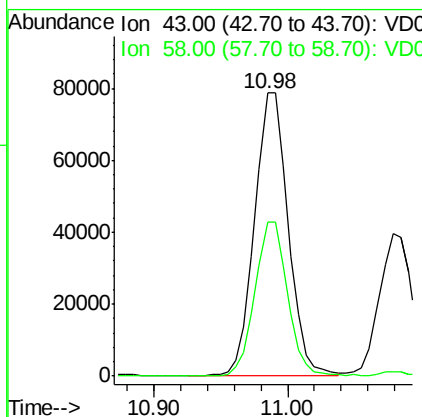
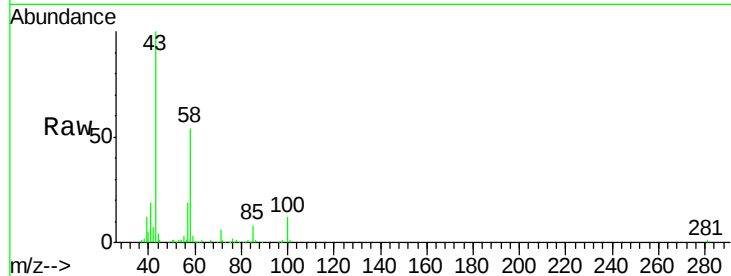




#59
2-Hexanone
Concen: 89.643 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

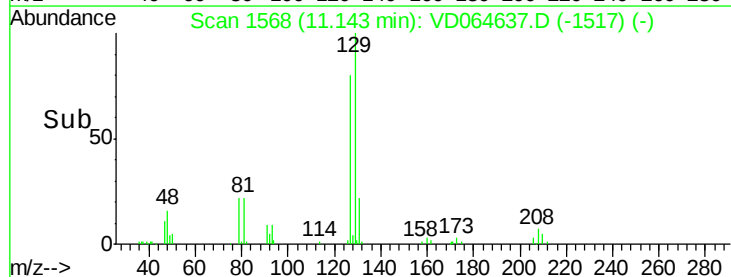
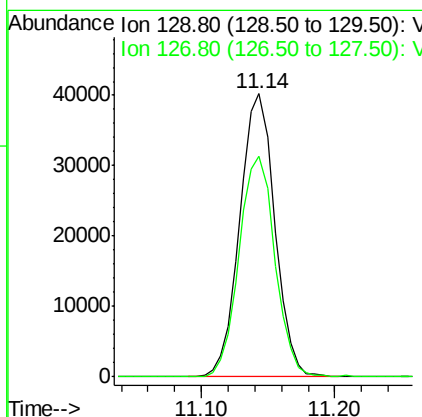
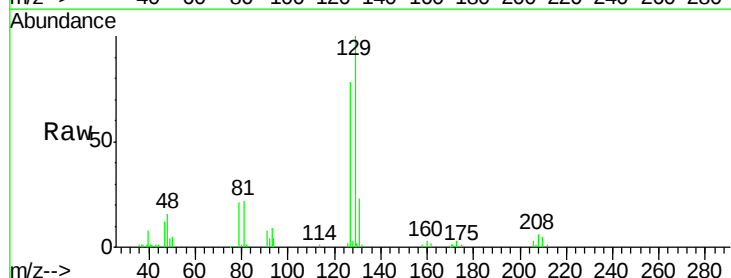
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

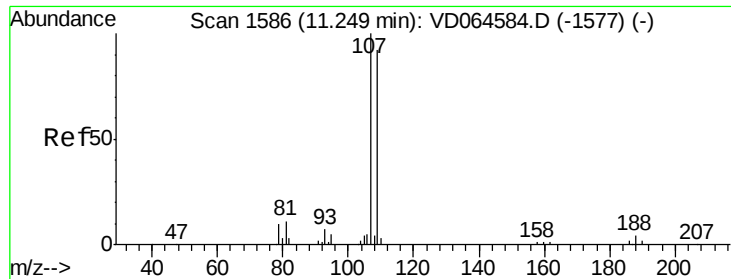
Tgt Ion: 43 Resp: 137504
Ion Ratio Lower Upper
43 100
58 52.6 26.4 79.0



#60
Dibromochloromethane
Concen: 18.445 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion: 129 Resp: 73044
Ion Ratio Lower Upper
129 100
127 79.5 38.4 115.2

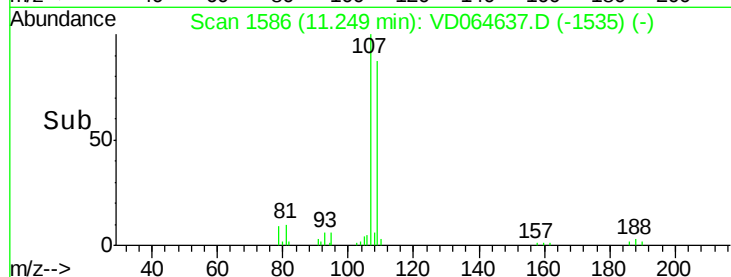
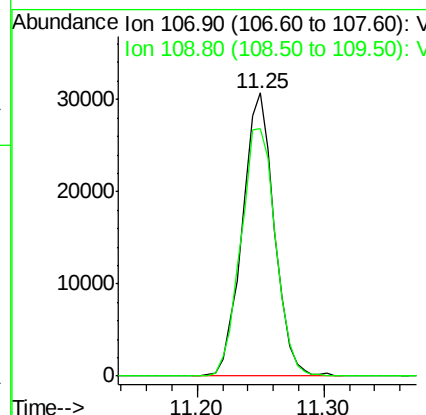
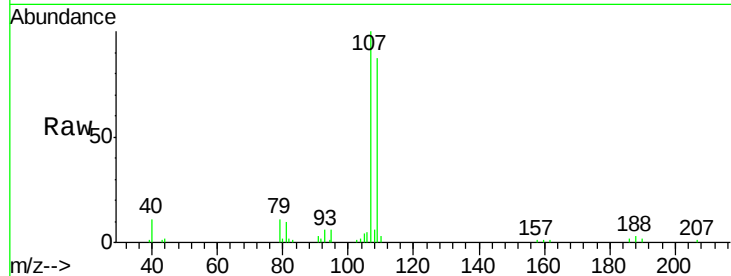




#61
 1,2-Dibromoethane
 Concen: 18.956 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

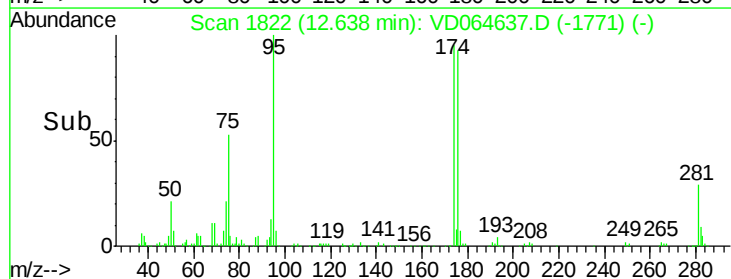
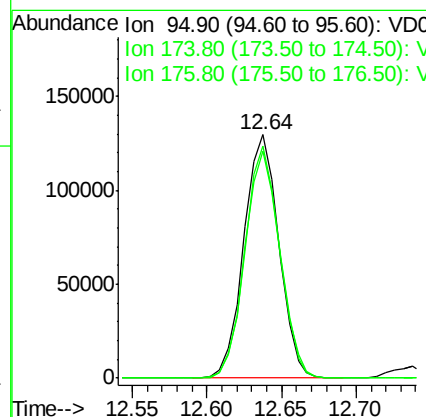
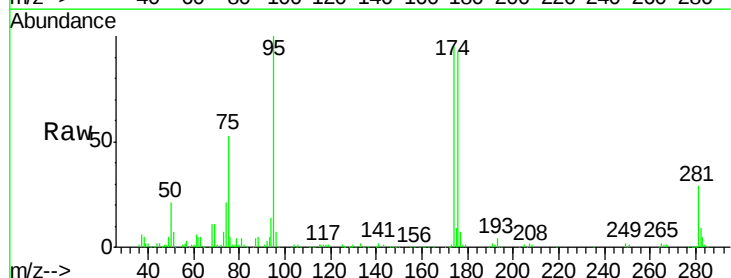
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD01

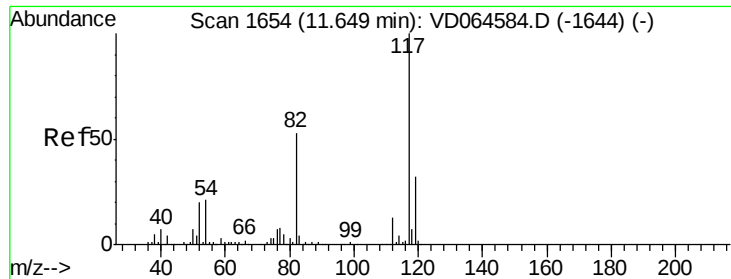
Tgt Ion: 107 Resp: 53541
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 46.744 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion: 95 Resp: 210997
 Ion Ratio Lower Upper
 95 100
 174 93.9 0.0 193.2
 176 93.0 0.0 184.2

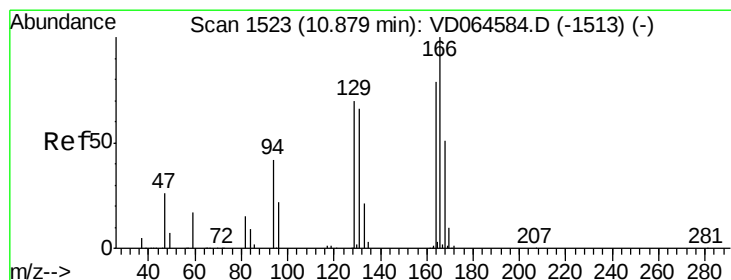
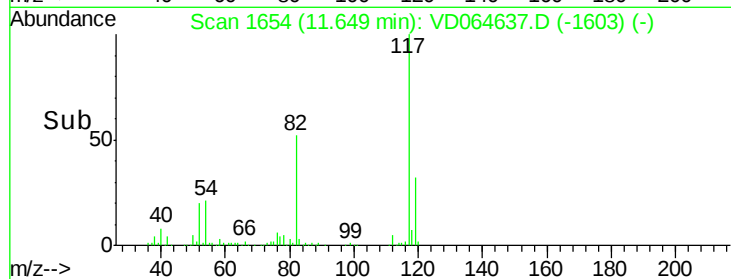
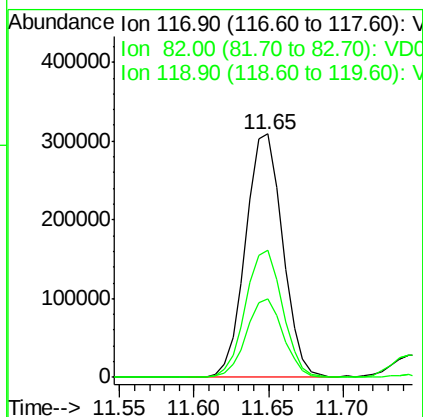
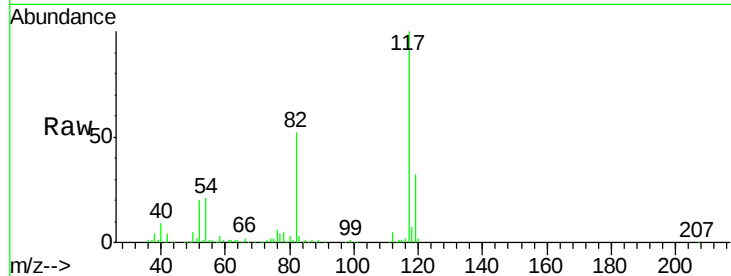




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

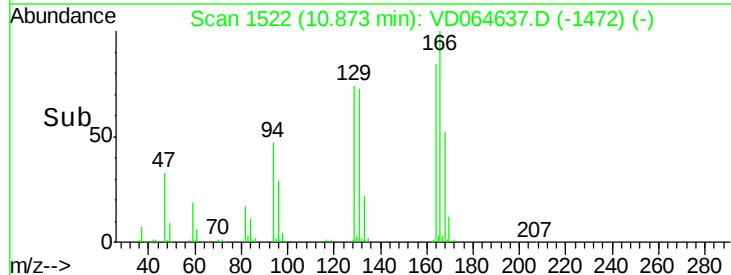
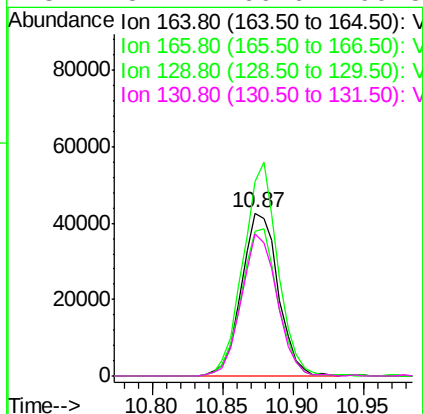
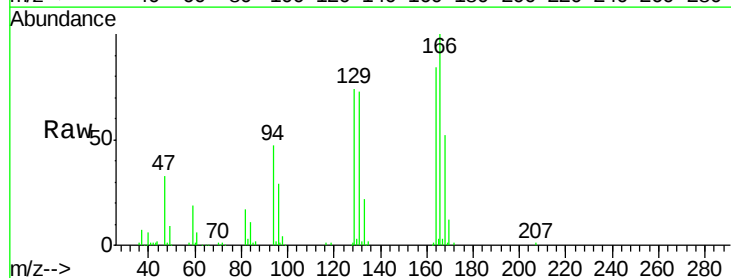
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

Tgt Ion:117 Resp: 531377
Ion Ratio Lower Upper
117 100
82 52.1 42.2 63.4
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 19.127 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion:164 Resp: 77975
Ion Ratio Lower Upper
164 100
166 119.4 101.3 151.9
129 88.7 70.5 105.7
131 87.1 66.6 99.8

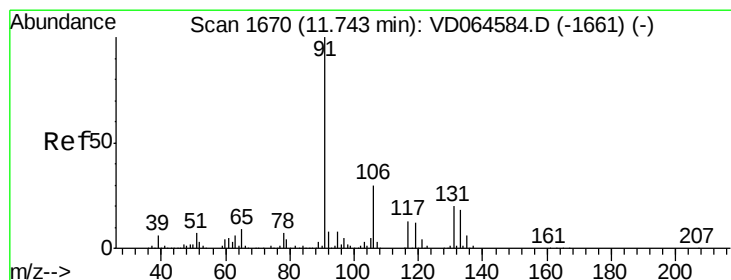
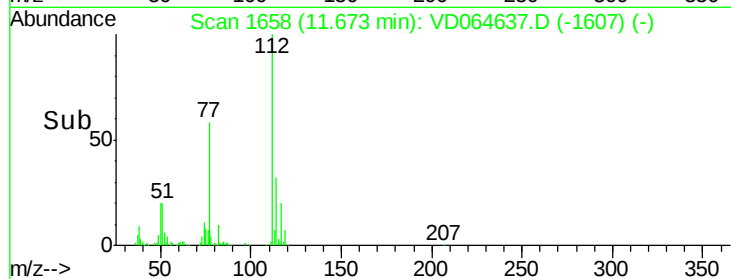
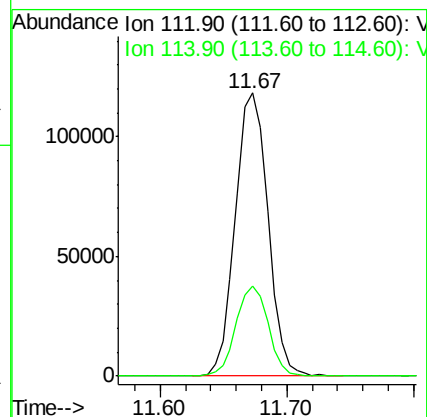
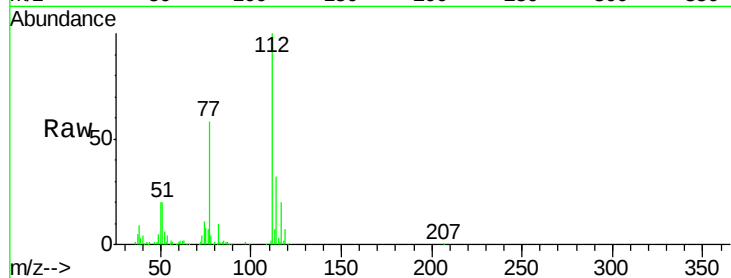




#65
Chlorobenzene
Concen: 19.089 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

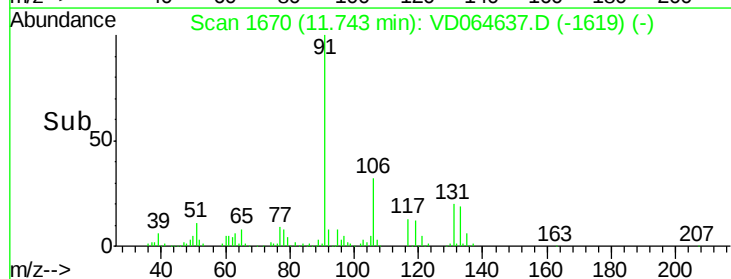
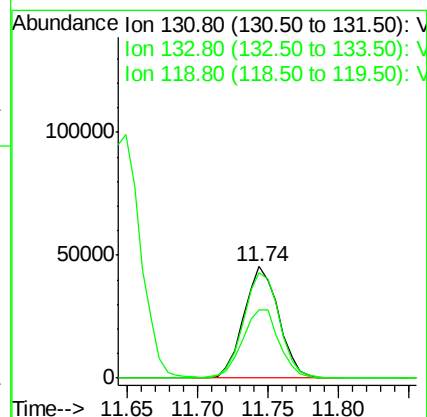
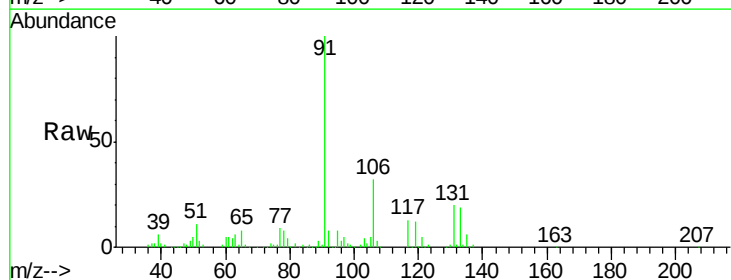
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

Tgt Ion:112 Resp: 210521
Ion Ratio Lower Upper
112 100
114 31.8 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.029 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion:131 Resp: 79117
Ion Ratio Lower Upper
131 100
133 96.5 48.3 144.8
119 64.7 32.1 96.3

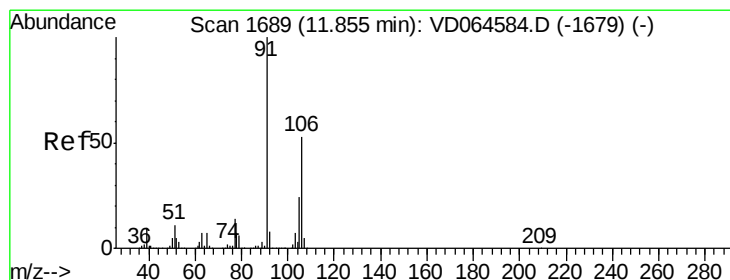
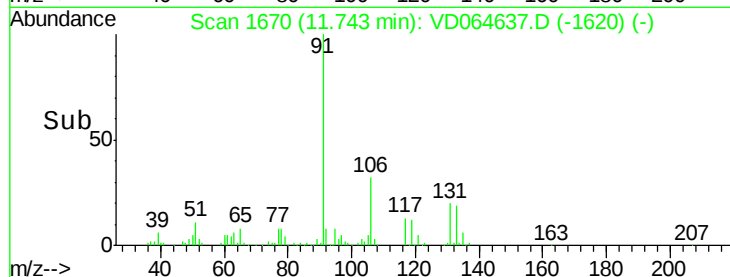
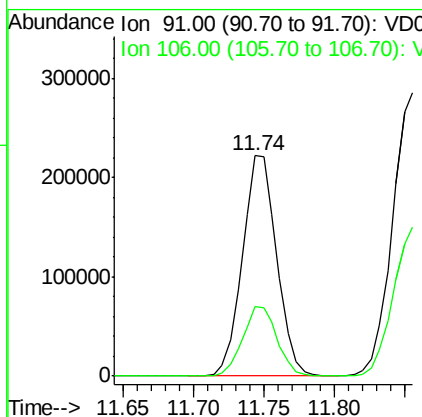
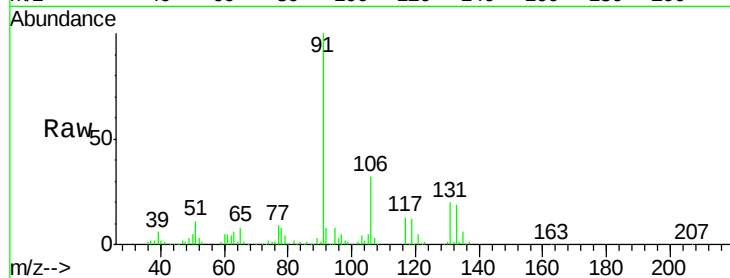




#67
Ethyl Benzene
Concen: 18.887 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

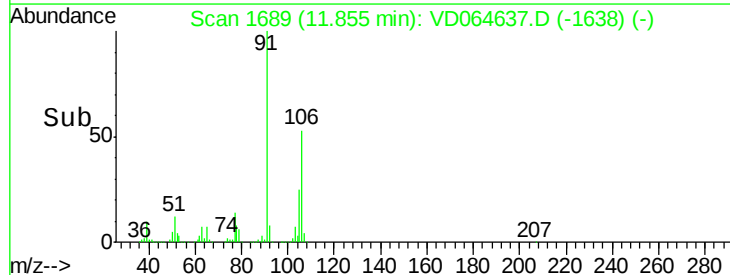
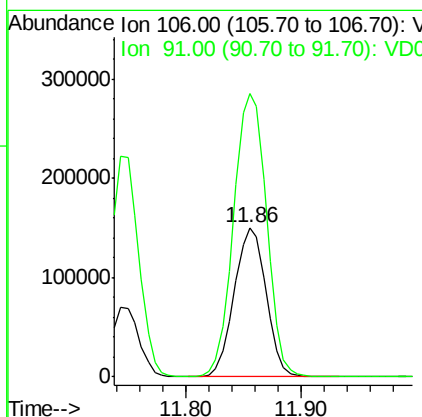
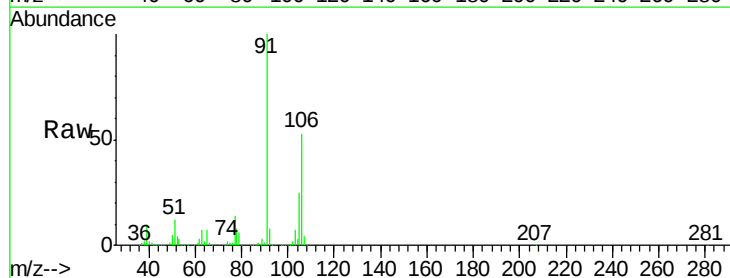
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

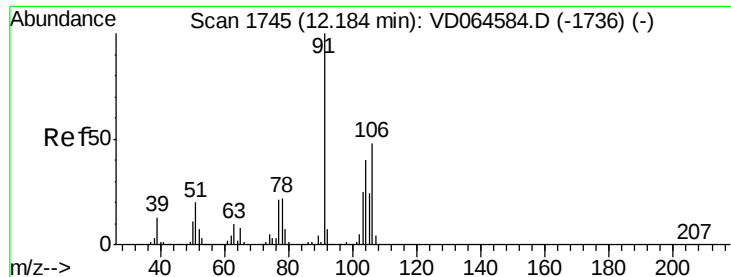
Tgt Ion: 91 Resp: 378073
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8



#68
m/p-Xylenes
Concen: 37.391 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion: 106 Resp: 288898
Ion Ratio Lower Upper
106 100
91 195.0 156.3 234.5

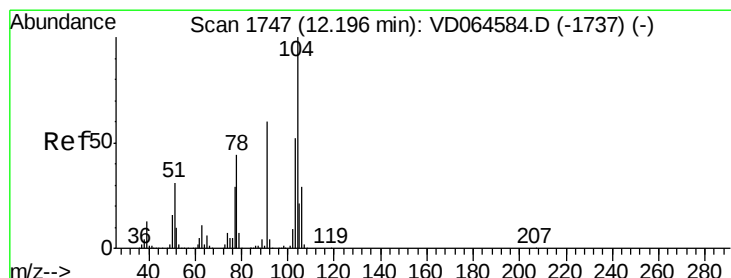
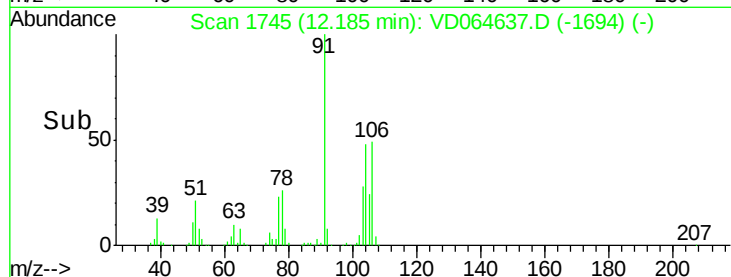
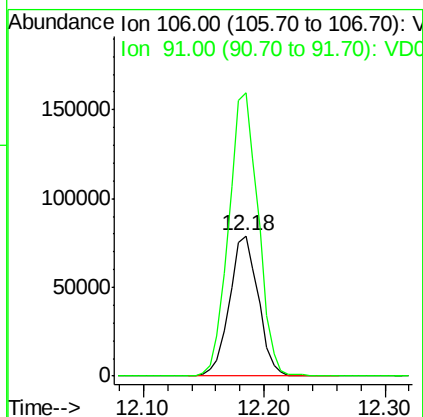
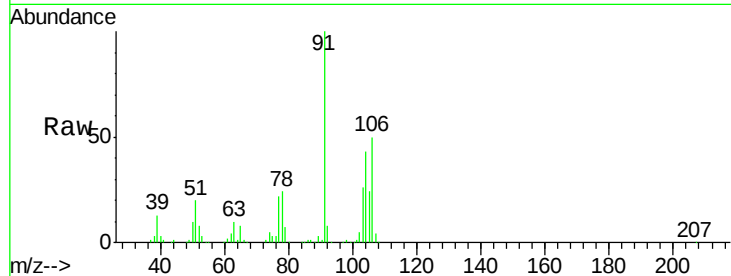




#69
o-Xylene
Concen: 18.758 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

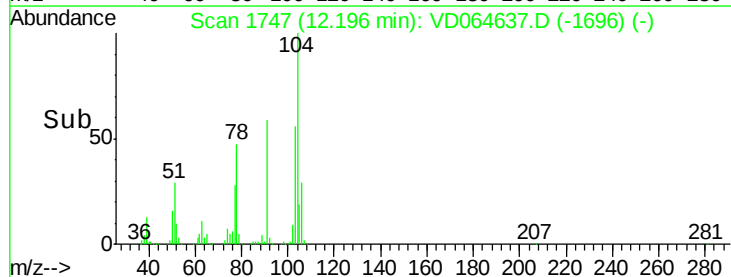
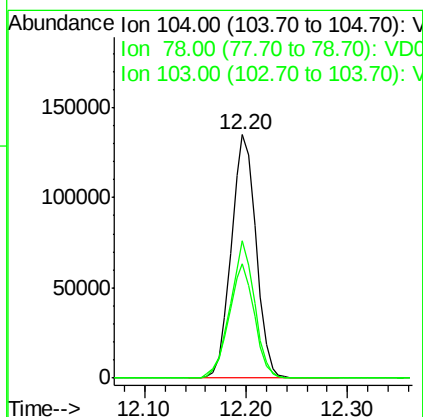
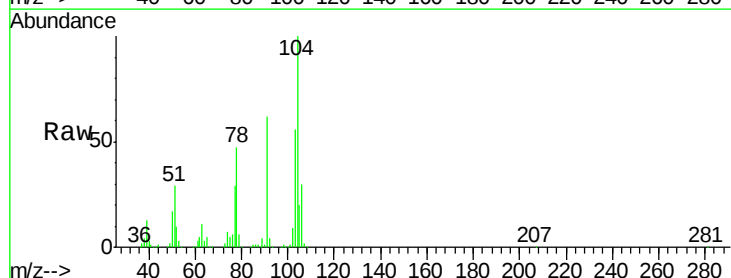
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

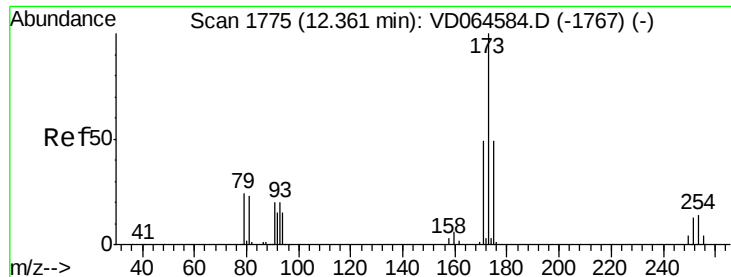
Tgt Ion:106 Resp: 130909
Ion Ratio Lower Upper
106 100
91 207.6 104.8 314.4



#70
Styrene
Concen: 18.613 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion:104 Resp: 228005
Ion Ratio Lower Upper
104 100
78 48.7 38.2 57.2
103 55.5 44.6 67.0





#71

Bromoform

Concen: 18.647 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBSD01

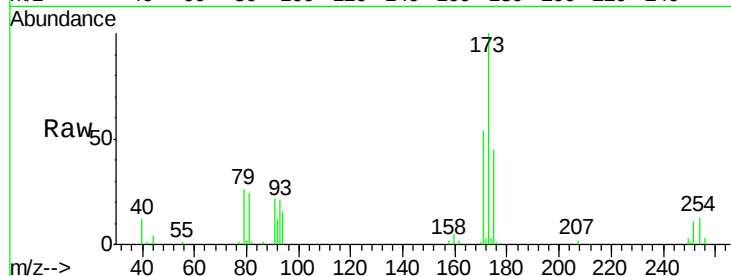
Tgt Ion:173 Resp: 44213

Ion Ratio Lower Upper

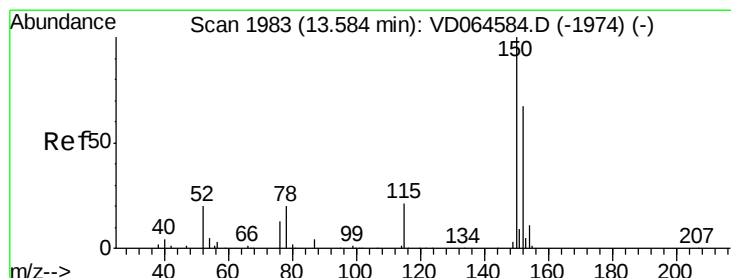
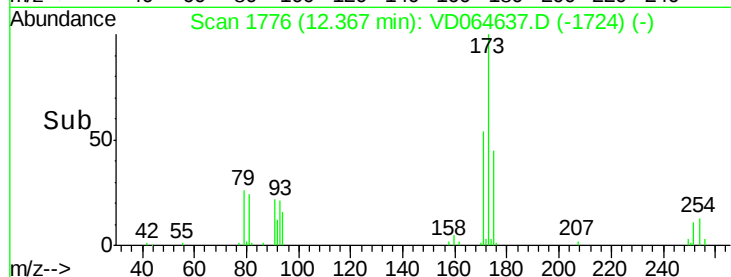
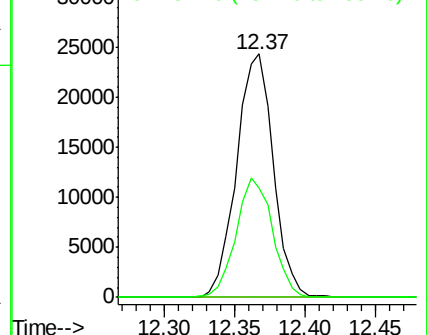
173 100

175 48.5 24.6 73.8

254 0.0 0.1 0.1#



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. -0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

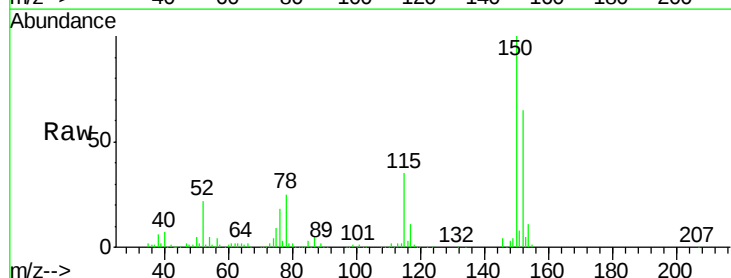
Tgt Ion:152 Resp: 260355

Ion Ratio Lower Upper

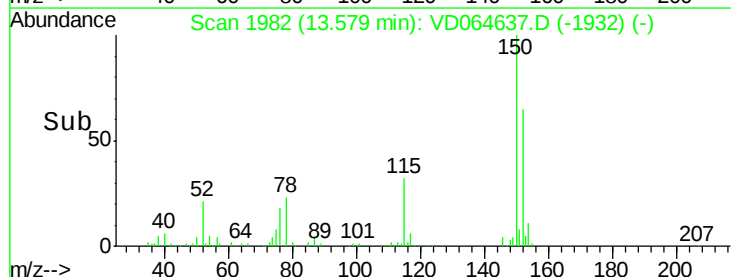
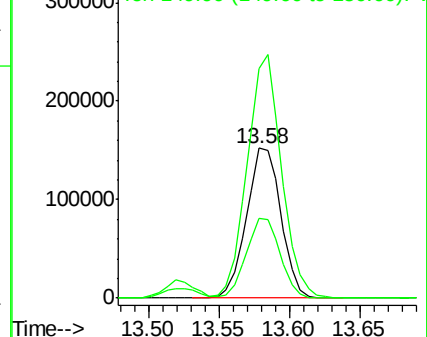
152 100

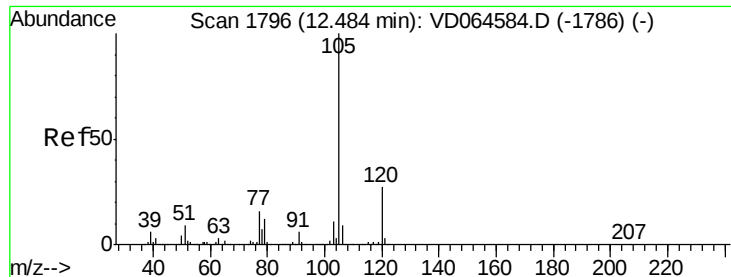
115 52.6 27.8 83.4

150 162.0 0.0 351.4



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





#73

Isopropylbenzene

Concen: 19.332 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

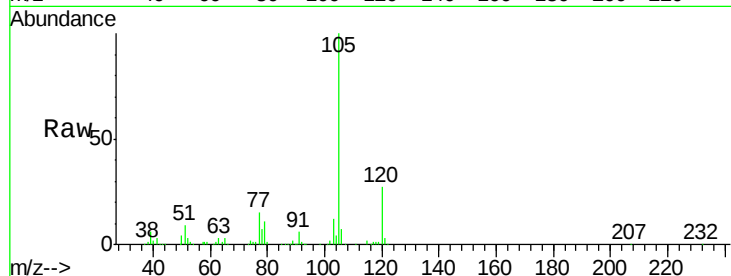
VD1227SBSD01

Tgt Ion: 105 Resp: 359676

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

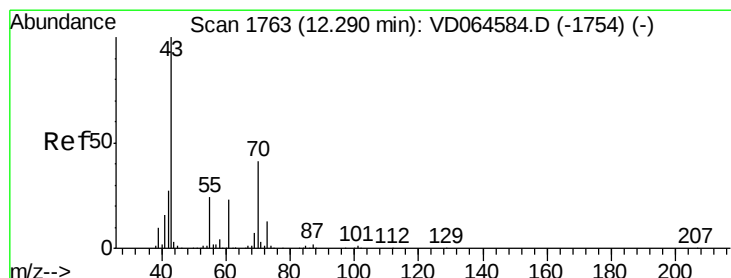
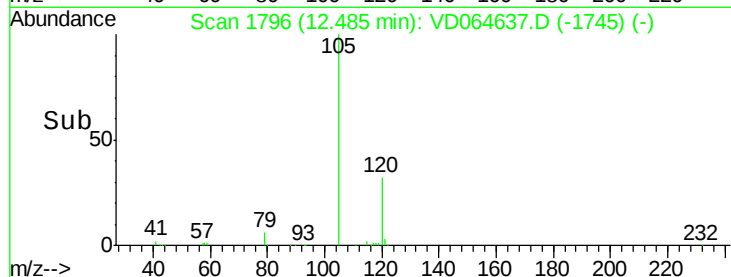
50000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 18.453 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Tgt Ion: 43 Resp: 73391

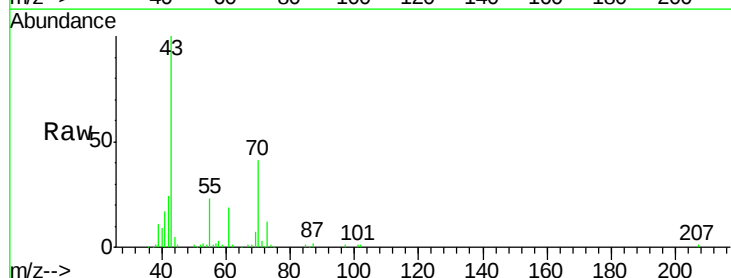
Ion Ratio Lower Upper

43 100

70 42.8 33.4 50.0

55 24.2 19.4 29.0

61 22.5 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

60000

40000

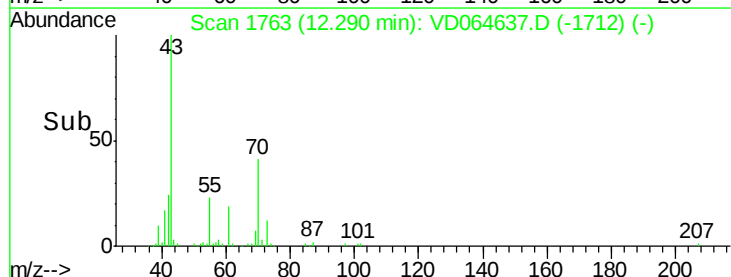
20000

0

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.326 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBSD01

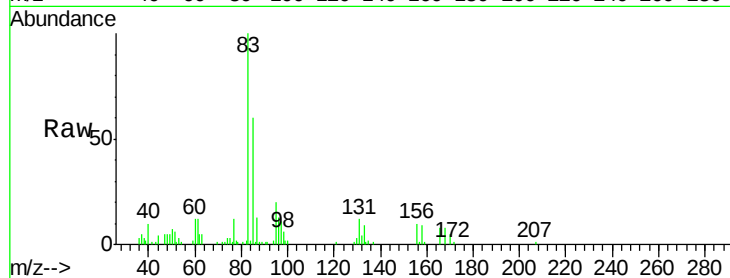
Tgt Ion: 83 Resp: 56484

Ion Ratio Lower Upper

83 100

131 11.0 5.8 17.4

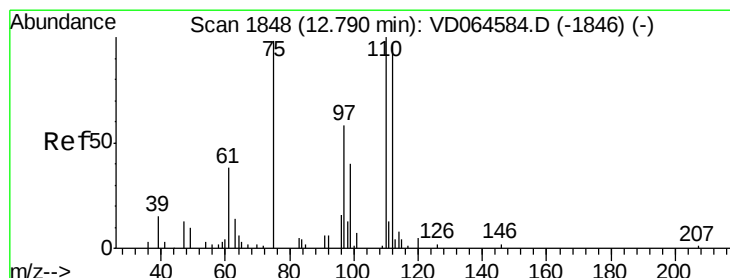
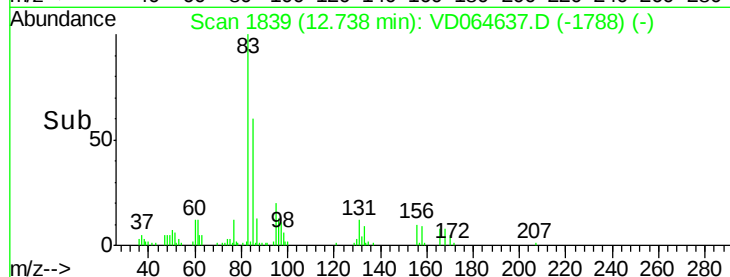
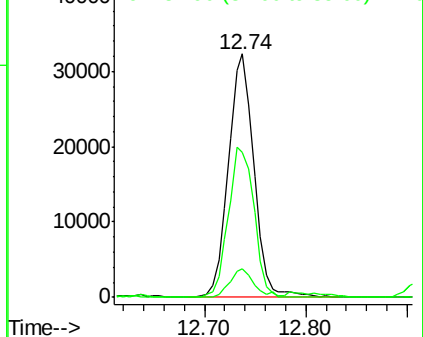
85 62.0 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 36.122 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064637.D

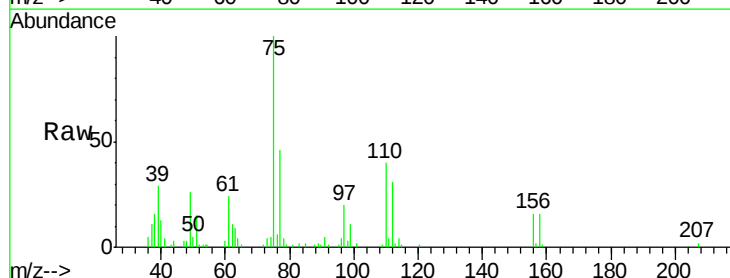
Acq: 27 Dec 2019 11:33

Tgt Ion: 75 Resp: 74264

Ion Ratio Lower Upper

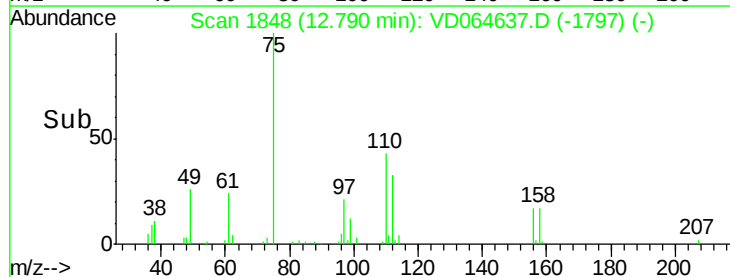
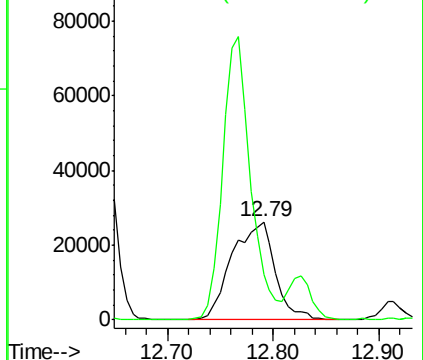
75 100

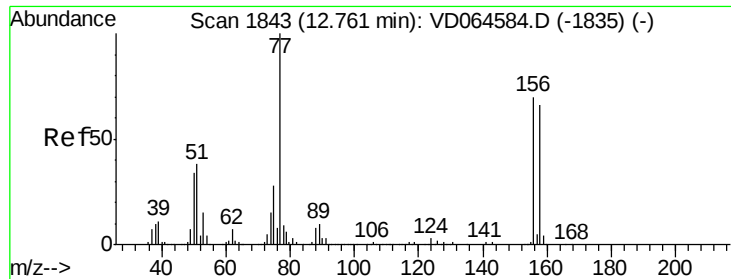
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.416 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBSD01

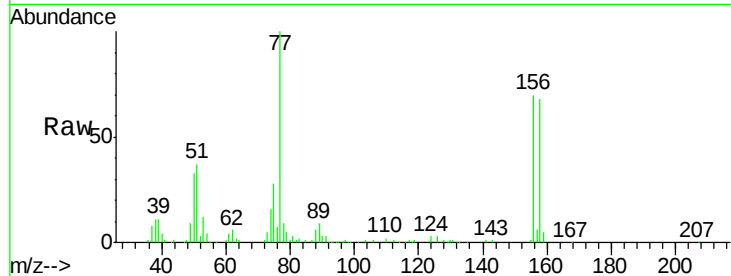
Tgt Ion:156 Resp: 88765

Ion Ratio Lower Upper

156 100

77 158.0 80.9 242.7

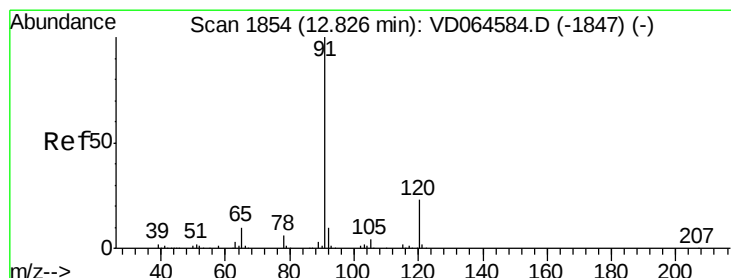
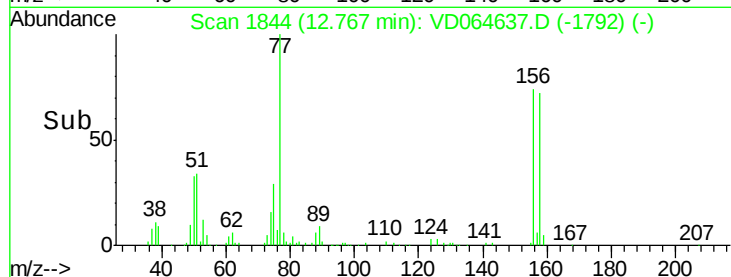
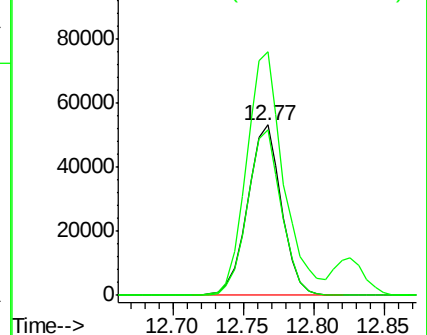
158 97.3 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.458 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064637.D

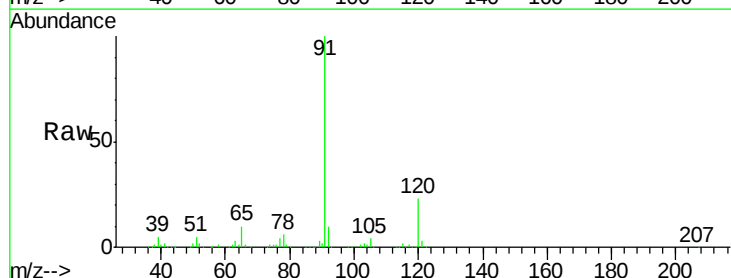
Acq: 27 Dec 2019 11:33

Tgt Ion: 91 Resp: 422354

Ion Ratio Lower Upper

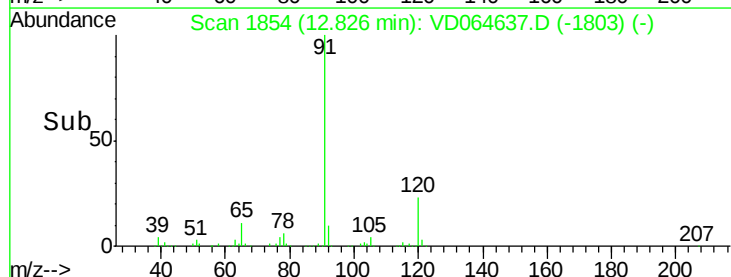
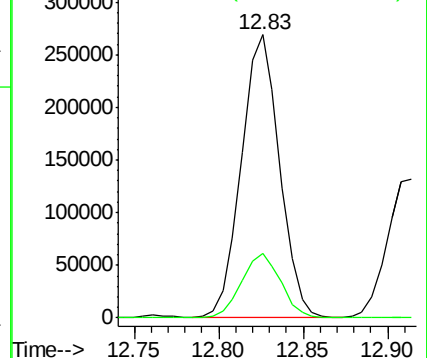
91 100

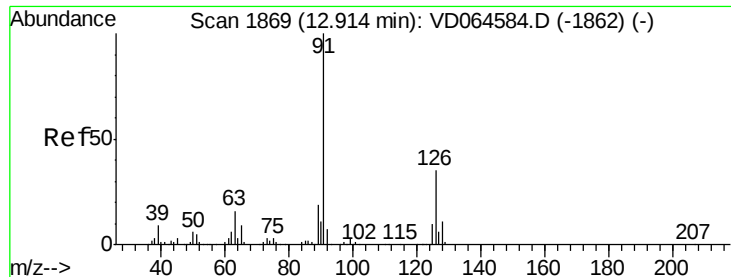
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.193 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

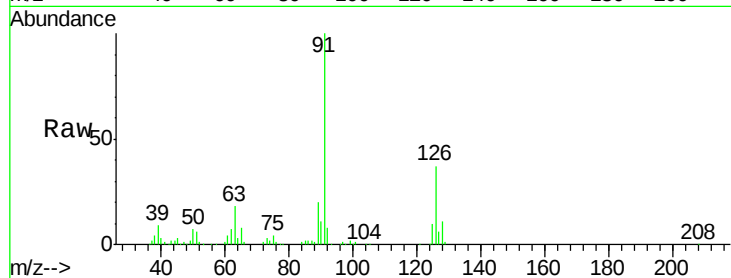
VD1227SBS01

Tgt Ion: 91 Resp: 228848

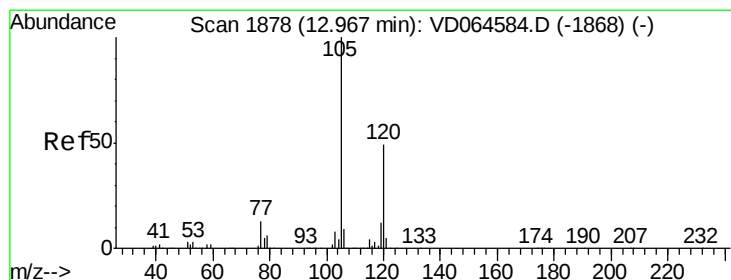
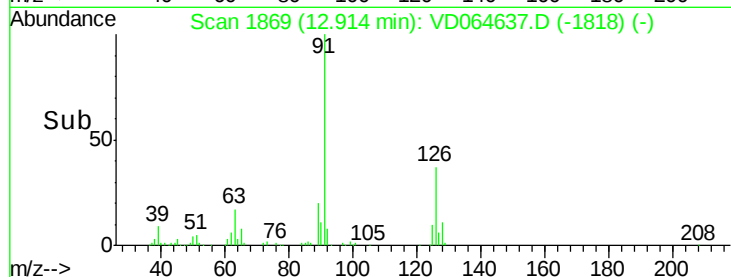
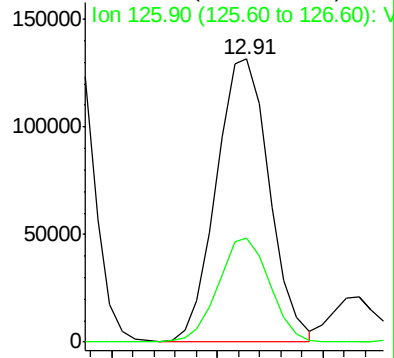
Ion Ratio Lower Upper

91 100

126 35.9 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD064584.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.348 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064637.D

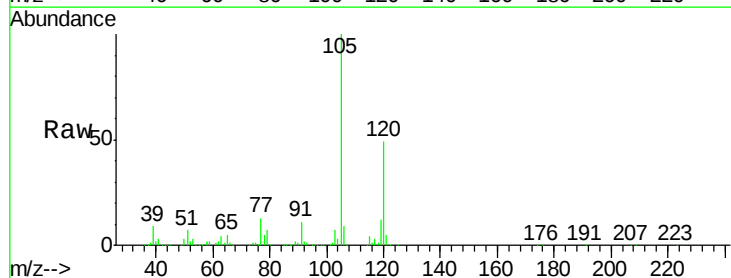
Acq: 27 Dec 2019 11:33

Tgt Ion: 105 Resp: 295707

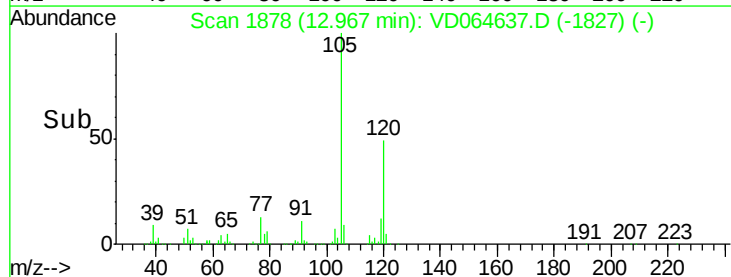
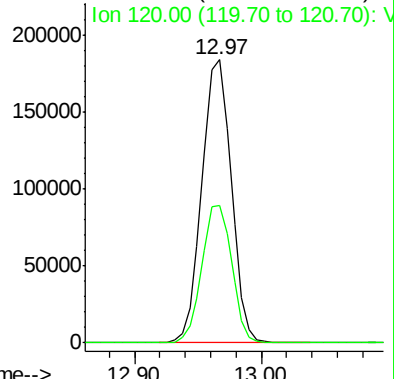
Ion Ratio Lower Upper

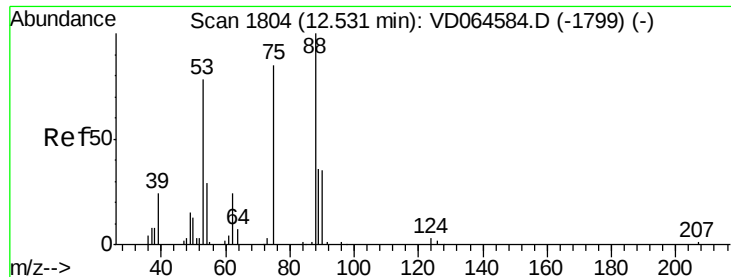
105 100

120 49.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064584.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.443 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

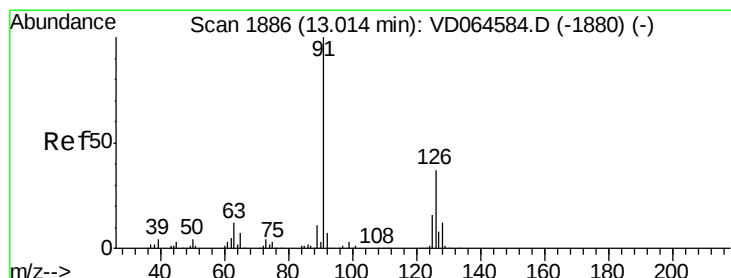
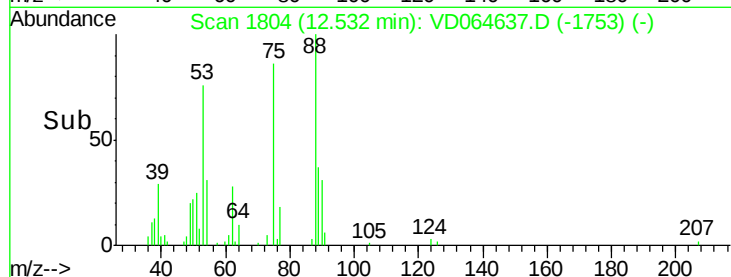
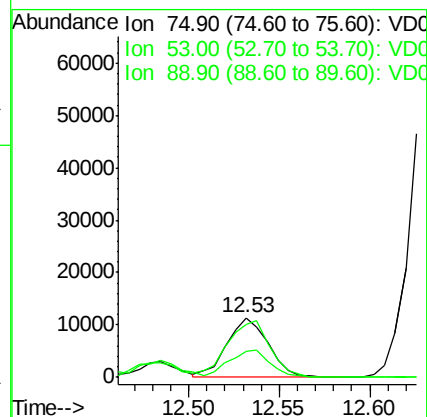
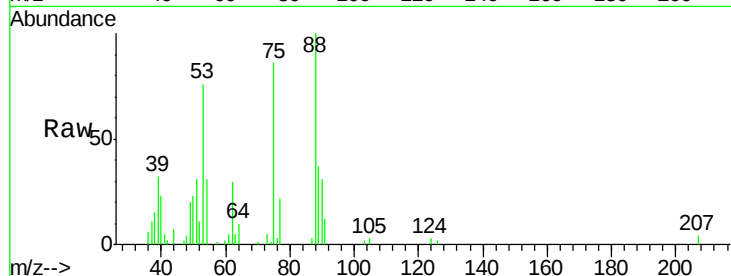
Tgt Ion: 75 Resp: 18130

Ion Ratio Lower Upper

75 100

53 98.5 78.8 118.2

89 44.7 38.3 57.5



#82

4-Chlorotoluene

Concen: 19.147 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064637.D

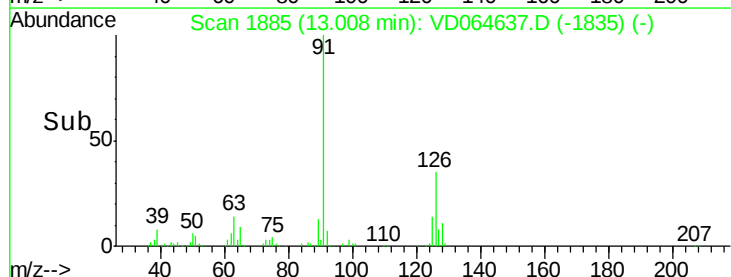
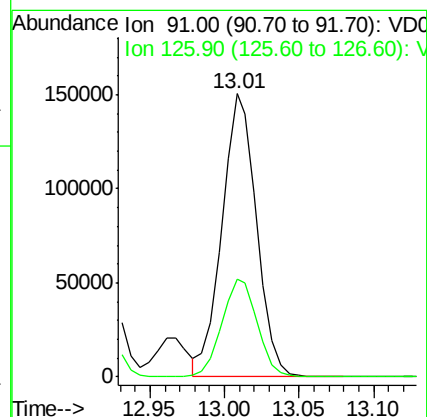
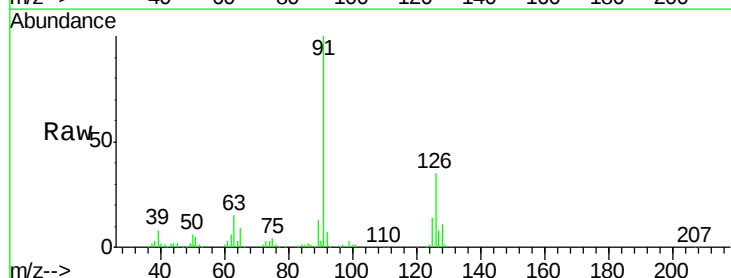
Acq: 27 Dec 2019 11:33

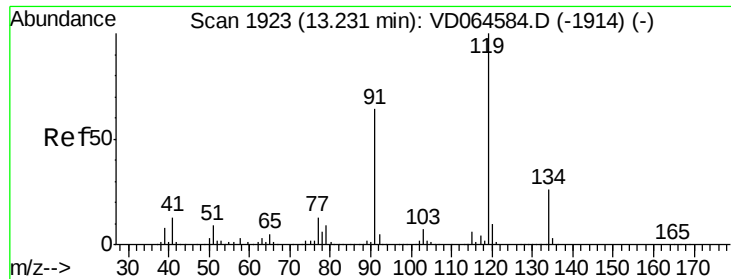
Tgt Ion: 91 Resp: 242956

Ion Ratio Lower Upper

91 100

126 35.4 17.8 53.5

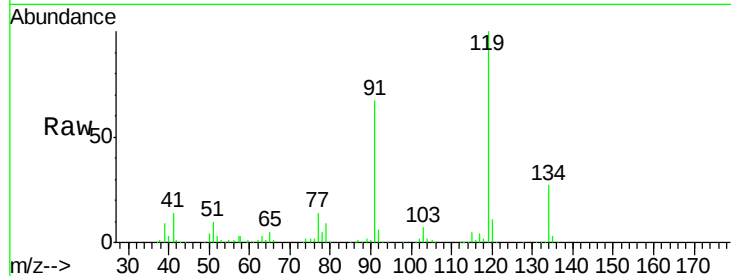




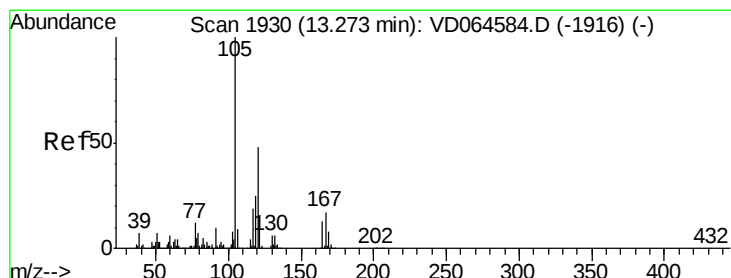
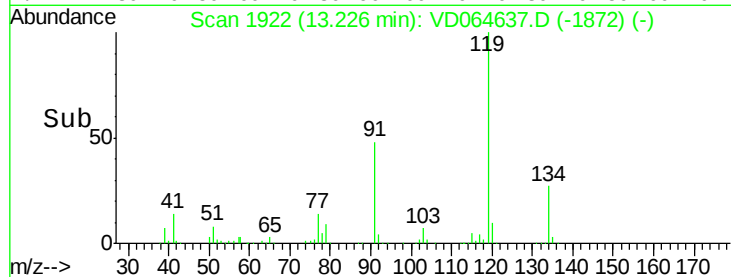
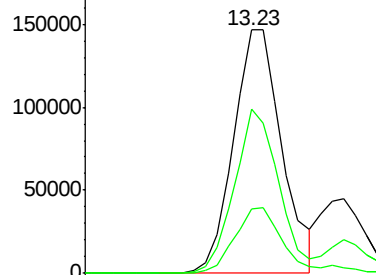
#83
 tert-Butylbenzene
 Concen: 18.994 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Tgt Ion:119 Resp: 252048
 Ion Ratio Lower Upper
 119 100
 91 61.5 30.8 92.4
 134 28.0 12.8 38.3

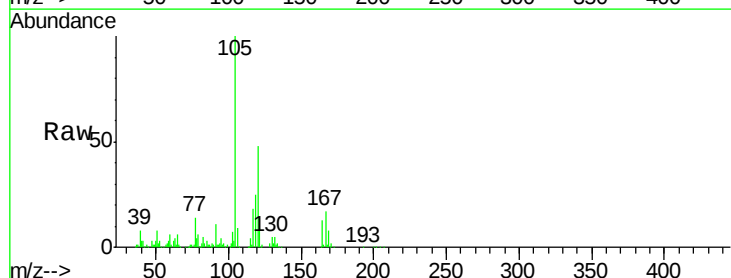


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

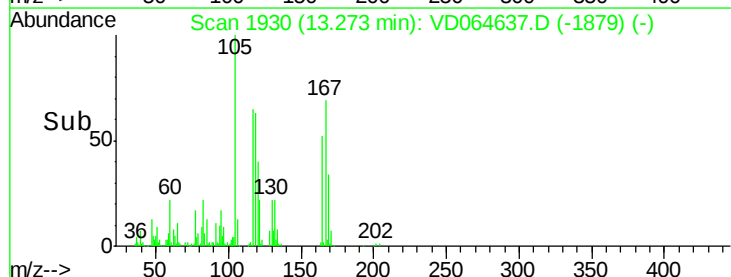
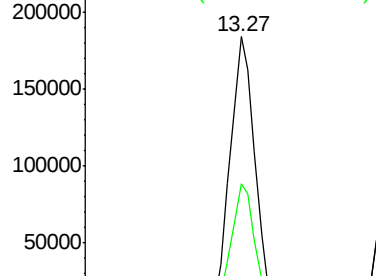


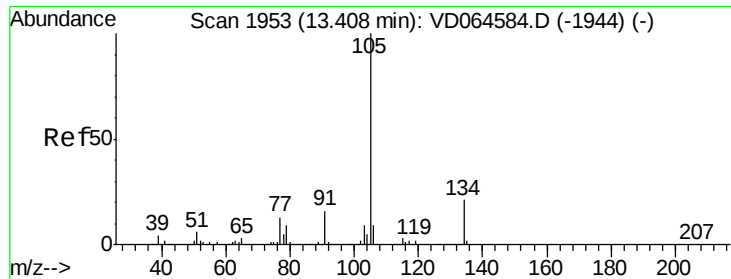
#84
 1,2,4-Trimethylbenzene
 Concen: 19.101 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion:105 Resp: 290749
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.8 71.2



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





#85

sec-Butylbenzene

Concen: 19.345 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

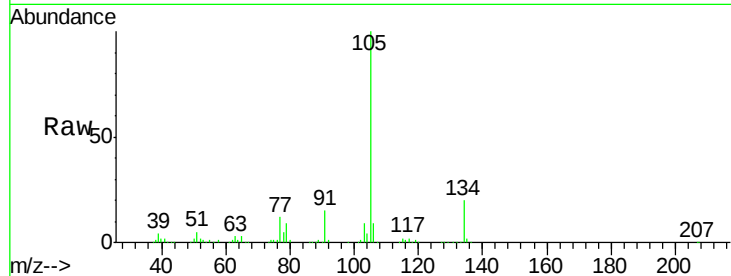
VD1227SBSD01

Tgt Ion:105 Resp: 351938

Ion Ratio Lower Upper

105 100

134 20.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

250000

200000

150000

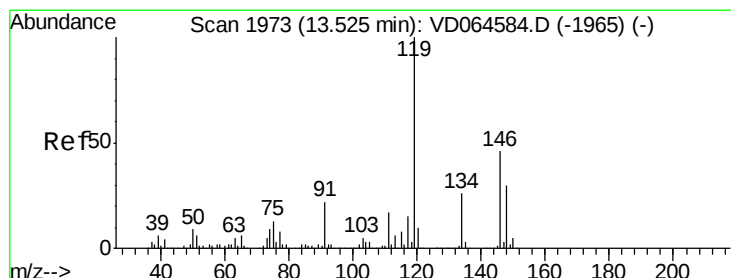
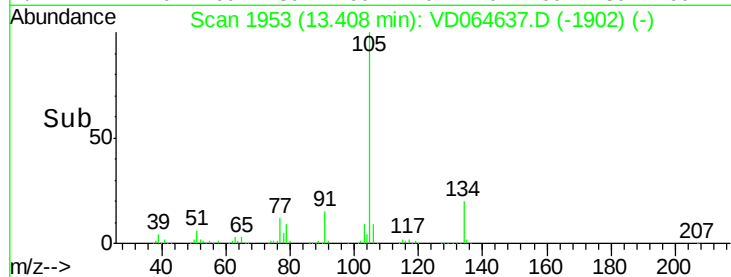
100000

50000

0

Time-->

13.35 13.40 13.45 13.50



#86

p-Isopropyltoluene

Concen: 18.771 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

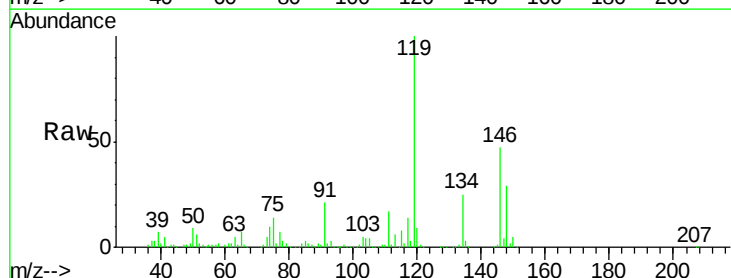
Tgt Ion:119 Resp: 326536

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 21.7 11.2 33.6



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

250000

200000

150000

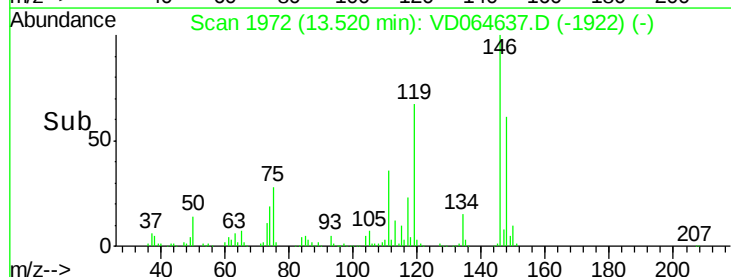
100000

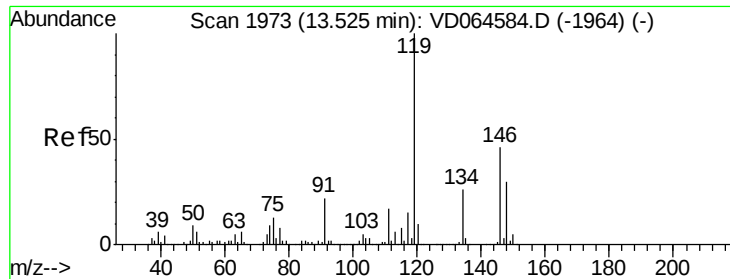
50000

0

Time-->

13.45 13.50 13.55 13.60

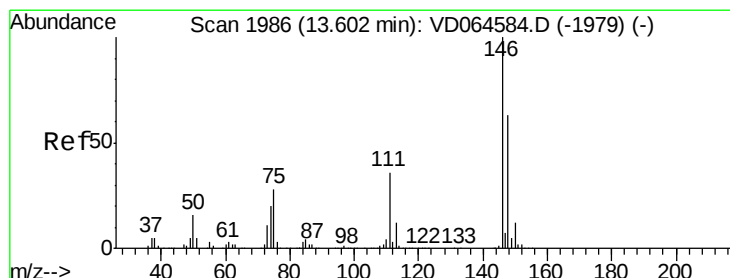
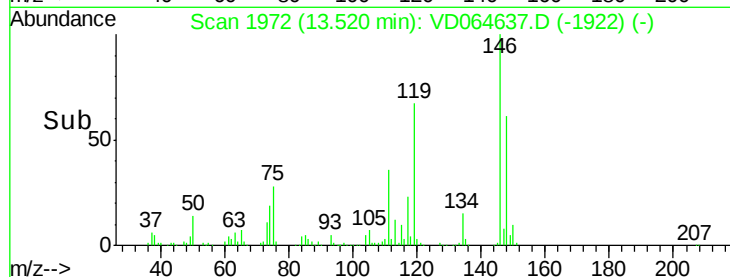
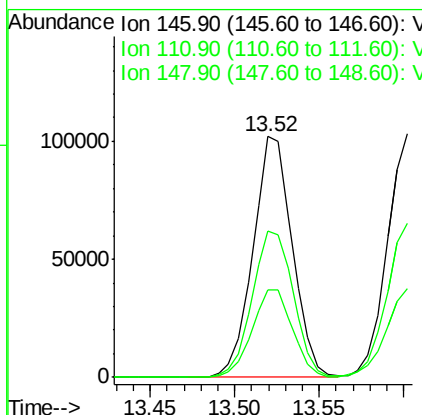
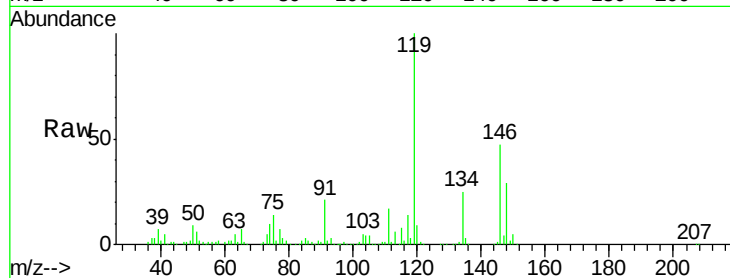




#87
 1,3-Dichlorobenzene
 Concen: 18.929 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

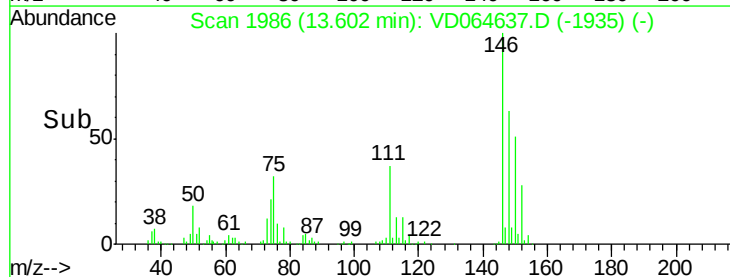
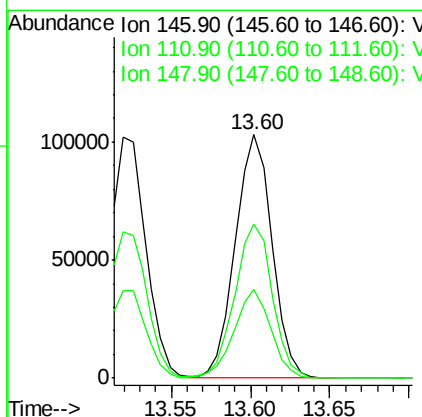
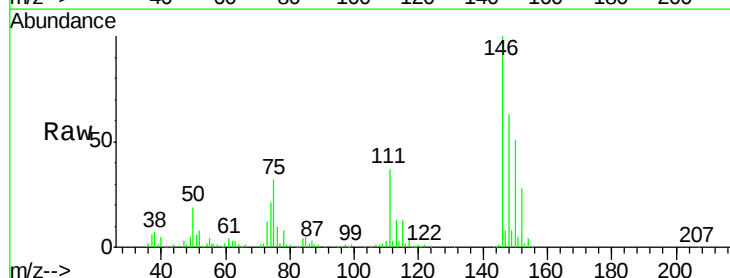
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

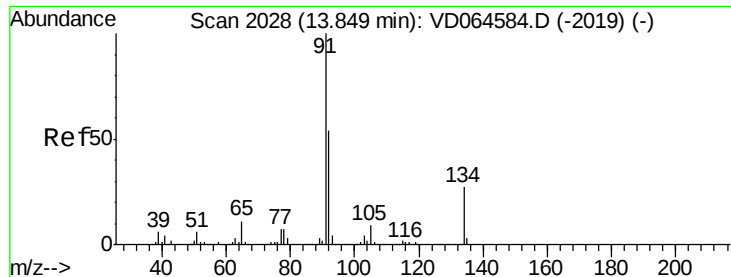
Tgt Ion:146 Resp: 164971
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.4
 148 63.6 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.420 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion:146 Resp: 166263
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.1 54.1
 148 64.3 32.3 96.9





#89

n-Butylbenzene

Concen: 19.054 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064637.D

Acq: 27 Dec 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

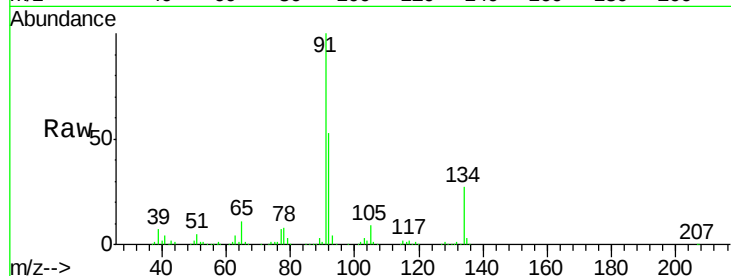
Tgt Ion: 91 Resp: 298490

Ion Ratio Lower Upper

91 100

92 53.7 26.8 80.4

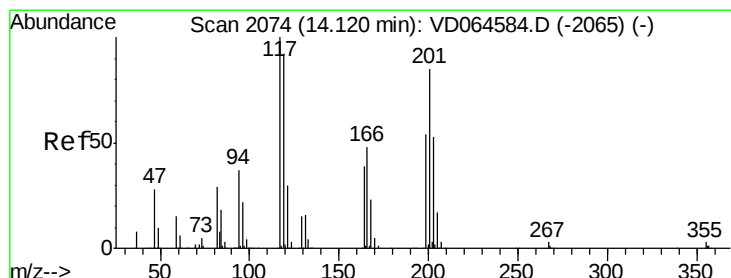
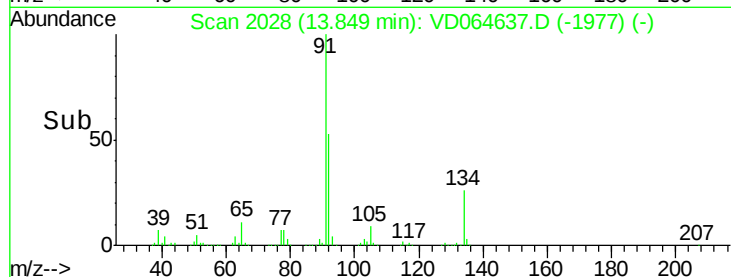
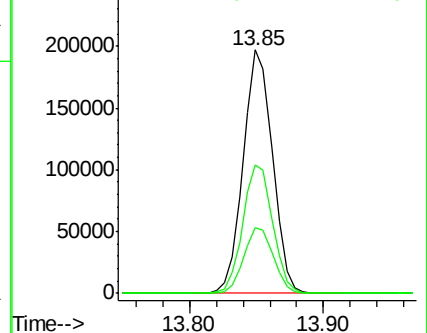
134 27.2 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 19.698 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064637.D

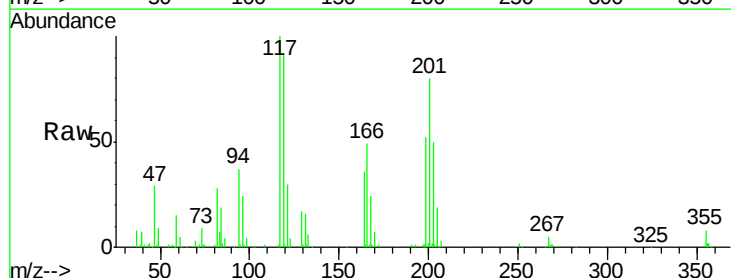
Acq: 27 Dec 2019 11:33

Tgt Ion: 117 Resp: 65453

Ion Ratio Lower Upper

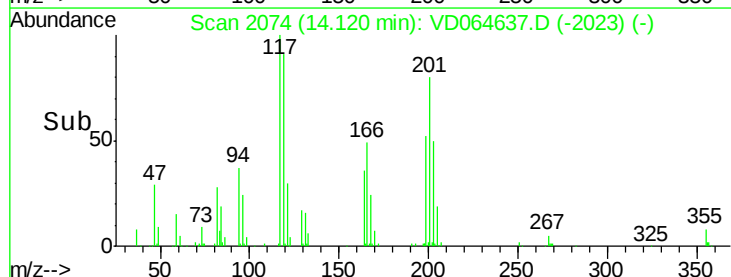
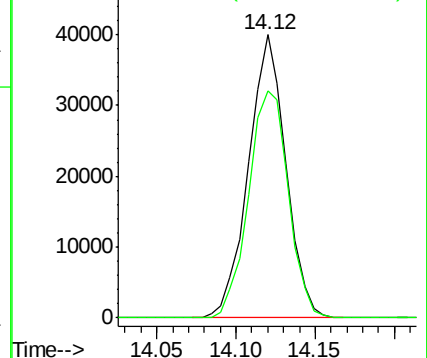
117 100

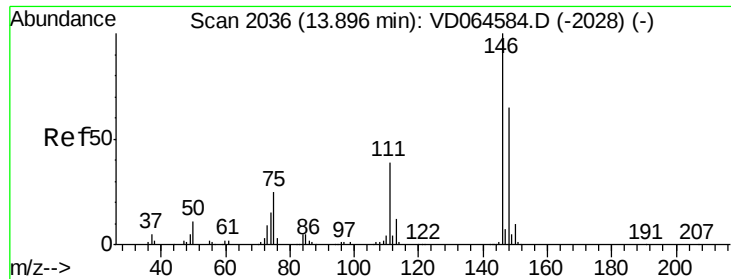
201 85.3 44.0 131.8



Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC

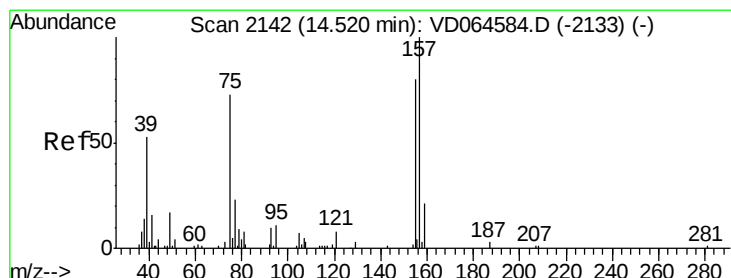
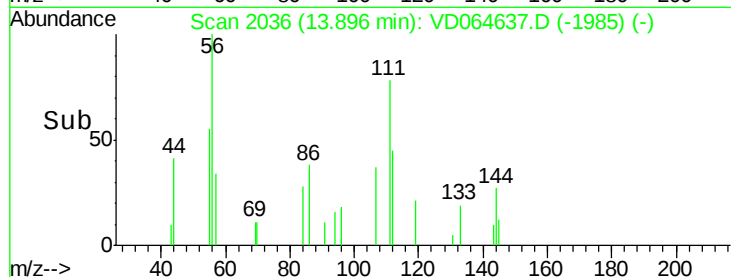
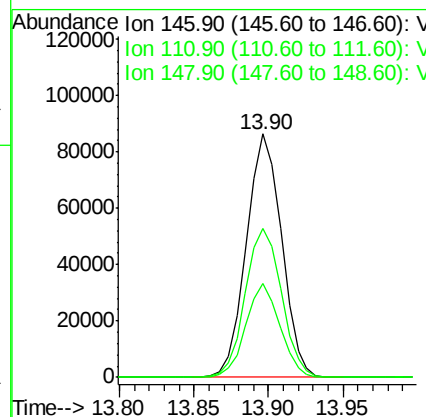
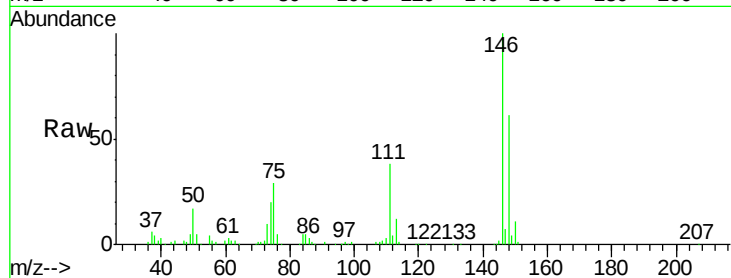




#91
 1,2-Dichlorobenzene
 Concen: 18.993 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

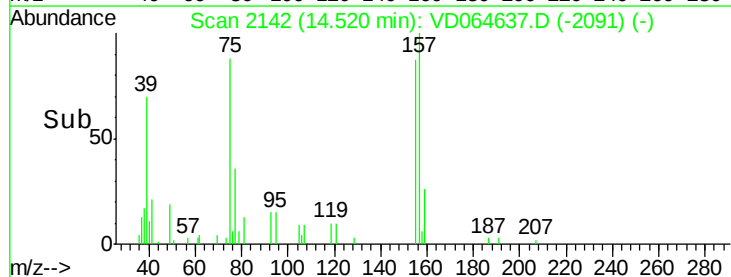
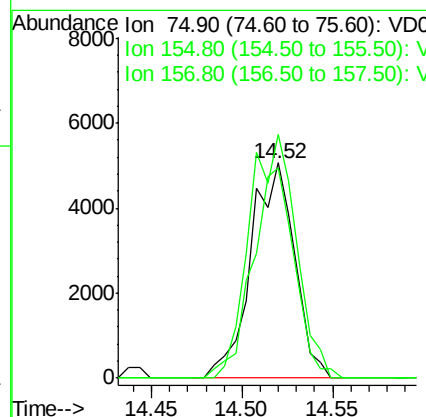
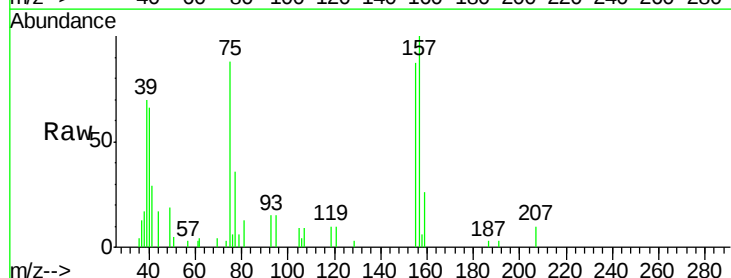
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD01

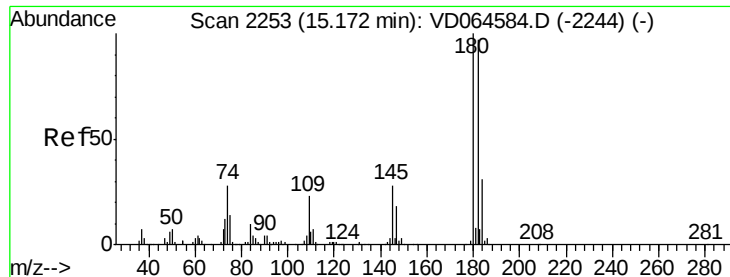
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.3	57.9
148	62.9	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.904 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	48.0	144.0
157	120.5	64.1	192.3

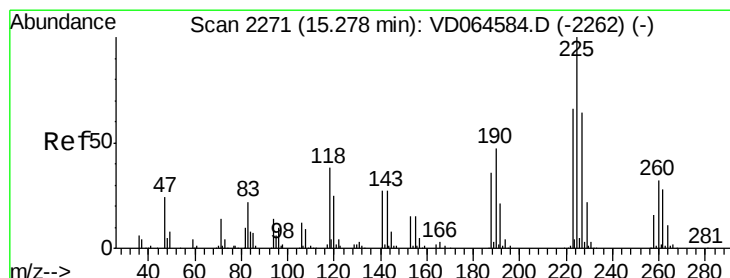
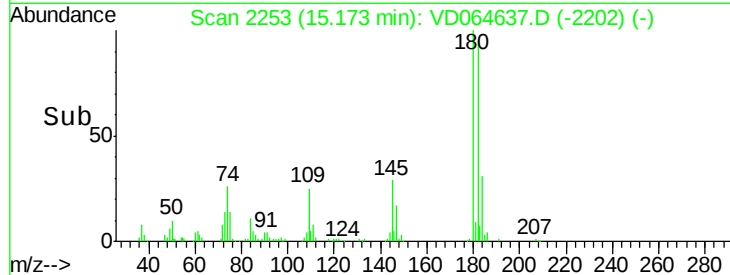
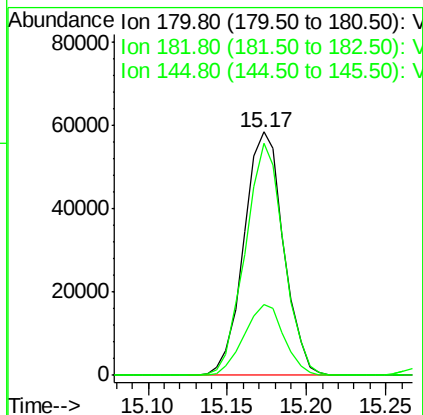
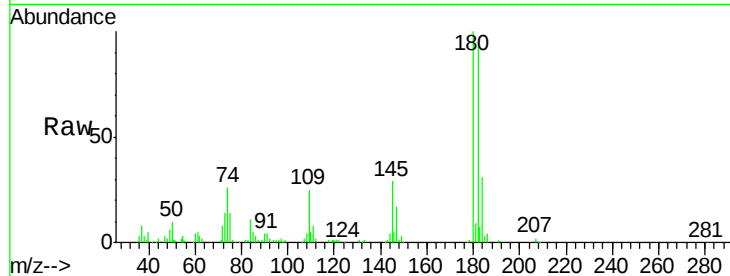




#93
 1,2,4-Trichlorobenzene
 Concen: 18.458 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

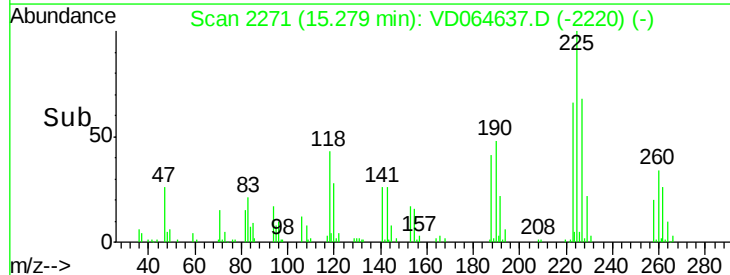
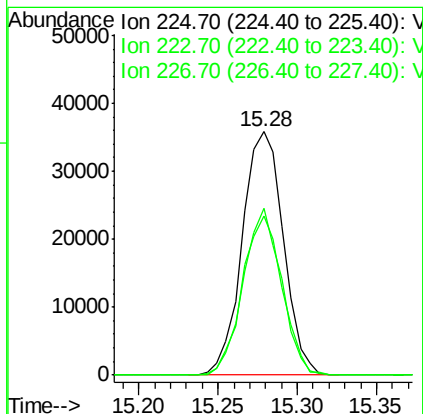
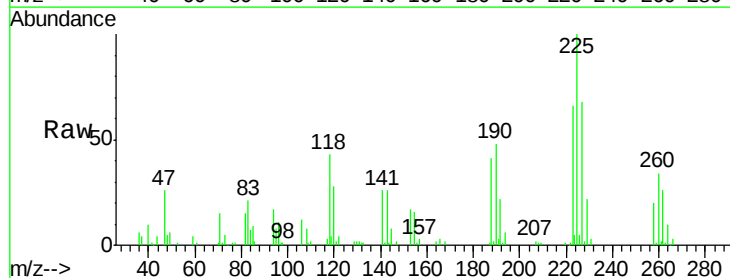
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	48.0	144.2
145	29.6	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 18.782 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064637.D
 Acq: 27 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.1	93.2
227	63.4	30.9	92.7

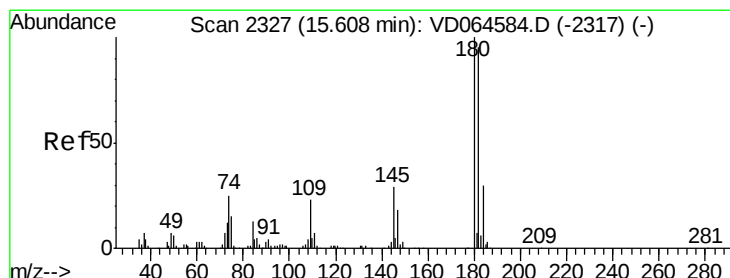
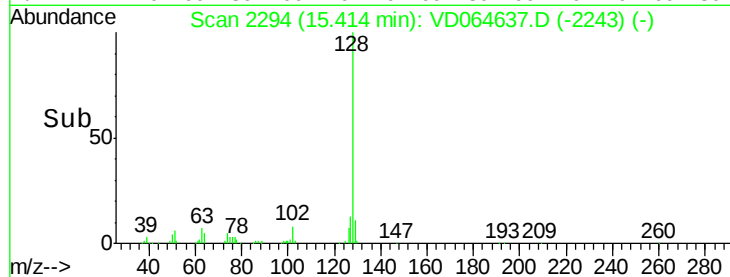
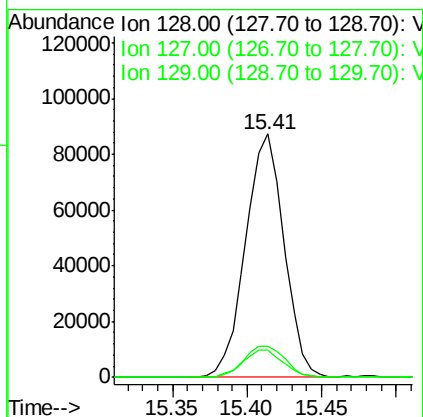
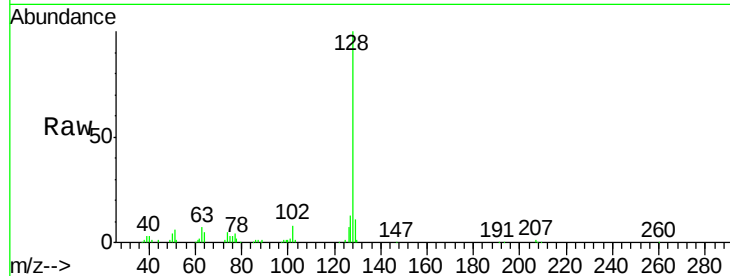




#95
Naphthalene
Concen: 18.051 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

Tgt Ion:128 Resp: 156255
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 11.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 18.397 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064637.D
Acq: 27 Dec 2019 11:33

Tgt Ion:180 Resp: 85936
Ion Ratio Lower Upper
180 100
182 97.5 47.9 143.7
145 30.6 14.9 44.7

