

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111218\
 Data File : VD060331.D
 Acq On : 12 Nov 2018 12:15
 Operator : JC/SY
 Sample : VD1112SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Quant Time: Nov 13 00:54:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1818090	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	2544345	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	2006337	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	1032377	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	678017	52.08	ug/l	-0.02
Spiked Amount			Recovery	=	104.16%	
35) Dibromofluoromethane	6.31	113	988629	52.11	ug/l	-0.02
Spiked Amount			Recovery	=	104.22%	
50) Toluene-d8	9.44	98	2838391	51.12	ug/l	-0.02
Spiked Amount			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.42	95	1013917	50.39	ug/l	-0.02
Spiked Amount			Recovery	=	100.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	371808	23.659	ug/l	98
3) Chloromethane	1.78	50	360763	20.948	ug/l	97
4) Vinyl Chloride	1.88	62	299257	21.278	ug/l	99
5) Bromomethane	2.16	94	53631	16.073	ug/l	99
6) Chloroethane	2.27	64	79252	16.983	ug/l	99
7) Trichlorofluoromethane	2.53	101	340126	20.512	ug/l	100
8) Diethyl Ether	2.84	74	57960	19.306	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.10	101	234458	21.498	ug/l	97
10) Methyl Iodide	3.25	142	275166	19.426	ug/l	96
11) Tert butyl alcohol	3.98	59	41042	76.777	ug/l	96
12) 1,1-Dichloroethene	3.09	96	186492	21.022	ug/l	98
13) Acrolein	3.00	56	54875	86.877	ug/l	94
14) Allyl chloride	3.55	41	346121	20.391	ug/l	99
15) Acrylonitrile	4.09	53	305160	97.894	ug/l	98
16) Acetone	3.17	43	221202	97.960	ug/l	100
17) Carbon Disulfide	3.32	76	583148	20.366	ug/l	98
18) Methyl Acetate	3.57	43	99584	20.683	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	516831	19.457	ug/l	99
20) Methylene Chloride	3.73	84	512639	25.592	ug/l	98
21) trans-1,2-Dichloroethene	4.10	96	403785	20.500	ug/l	97
22) Diisopropyl ether	4.86	45	1297028	20.453	ug/l	95
23) Vinyl Acetate	4.81	43	3282171	104.016	ug/l	99
24) 1,1-Dichloroethane	4.76	63	675435	20.770	ug/l	99
25) 2-Butanone	5.62	43	450407	95.963	ug/l	99
26) 2,2-Dichloropropane	5.58	77	551908	21.830	ug/l	95
27) cis-1,2-Dichloroethene	5.59	96	413206	20.137	ug/l	93
28) Bromochloromethane	5.92	49	301769	21.031	ug/l	100
29) Tetrahydrofuran	5.95	42	238377	96.331	ug/l	99
30) Chloroform	6.10	83	678806	20.880	ug/l	99
31) Cyclohexane	6.36	56	629439	20.251	ug/l	96
32) 1,1,1-Trichloroethane	6.28	97	564508	20.614	ug/l	98
36) 1,1-Dichloropropene	6.51	75	534819	21.276	ug/l	98
37) Ethyl Acetate	5.69	43	226119	19.549	ug/l	99
38) Carbon Tetrachloride	6.49	117	480512	20.607	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	607938	21.028	ug/l	97
40) Benzene	6.79	78	1331453	20.750	ug/l	99
41) Methacrylonitrile	5.94	41	257197	19.427	ug/l	98
42) 1,2-Dichloroethane	6.89	62	351125	20.907	ug/l	97
43) Isopropyl Acetate	8.34	43	267108	18.384	ug/l #	99
44) Trichloroethene	7.73	130	406728	20.911	ug/l	97
45) 1,2-Dichloropropane	8.10	63	332579	20.552	ug/l	95
46) Dibromomethane	8.20	93	188325	19.870	ug/l	94
47) Bromodichloromethane	8.48	83	467195	20.918	ug/l	99
48) Methyl methacrylate	8.23	41	165215	18.720	ug/l	96
49) 1,4-Dioxane	8.21	88	30166	395.039	ug/l #	83
51) 4-Methyl-2-Pentanone	9.33	43	911017	96.335	ug/l	98
52) Toluene	9.53	92	854300	20.843	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	381837	20.234	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	504010	20.824	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	229388	19.309	ug/l	98
56) Ethyl methacrylate	10.01	69	217036	19.870	ug/l #	72
57) 1,3-Dichloropropane	10.37	76	357633	19.757	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	691364	104.681	ug/l	99
59) 2-Hexanone	10.48	43	684444	101.546	ug/l	98
60) Dibromochloromethane	10.62	129	298842	20.694	ug/l	100
61) 1,2-Dibromoethane	10.74	107	226590	19.037	ug/l	99
64) Tetrachloroethene	10.24	164	367777	20.533	ug/l	98
65) Chlorobenzene	11.30	112	901201	20.731	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	304978	21.442	ug/l	97
67) Ethyl Benzene	11.41	91	1602702	21.552	ug/l	97
68) m/p-Xylenes	11.56	106	1184352	43.174	ug/l	99
69) o-Xylene	11.92	106	565970	21.356	ug/l	97
70) Styrene	11.94	104	917627	21.425	ug/l	97
71) Bromoform	12.11	173	192602	20.151	ug/l	99
73) Isopropylbenzene	12.27	105	1568429	20.852	ug/l	100
74) N-amyl acetate	12.12	43	377455	19.574	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.55	83	232993	18.941	ug/l	96
76) 1,2,3-Trichloropropane	12.58	75	240941	19.510	ug/l	96
77) Bromobenzene	12.53	156	411017	20.572	ug/l	99
78) n-propylbenzene	12.63	91	1885855	20.087	ug/l	100
79) 2-Chlorotoluene	12.69	91	1089211	21.183	ug/l	94
80) 1,3,5-Trimethylbenzene	12.78	105	1246124	21.318	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	71015	20.198	ug/l	92
82) 4-Chlorotoluene	12.80	91	1185816	20.530	ug/l	94
83) tert-Butylbenzene	13.04	119	1406491	21.673	ug/l	95
84) 1,2,4-Trimethylbenzene	13.08	105	1215878	20.827	ug/l	96
85) sec-Butylbenzene	13.21	105	1646808	20.683	ug/l	96
86) p-Isopropyltoluene	13.33	119	1350942	21.069	ug/l #	64
87) 1,3-Dichlorobenzene	13.30	146	1367593	38.474	ug/l	96
88) 1,4-Dichlorobenzene	13.38	146	723112	20.829	ug/l	97
89) n-Butylbenzene	13.64	91	1404817	19.910	ug/l	96
90) Hexachloroethane	13.85	117	324974	21.374	ug/l	81
91) 1,2-Dichlorobenzene	13.66	146	611463	20.943	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	29709	20.007	ug/l	76

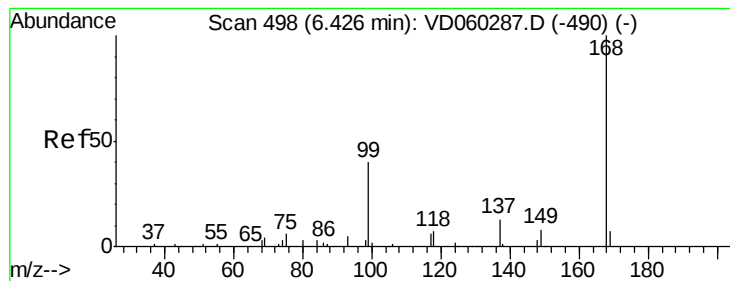
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111218\
Data File : VD060331.D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	464310	20.057	ug/l	97
94) Hexachlorobutadiene	14.88	225	350288	20.231	ug/l	98
95) Naphthalene	14.95	128	561590	19.868	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	371791	20.043	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

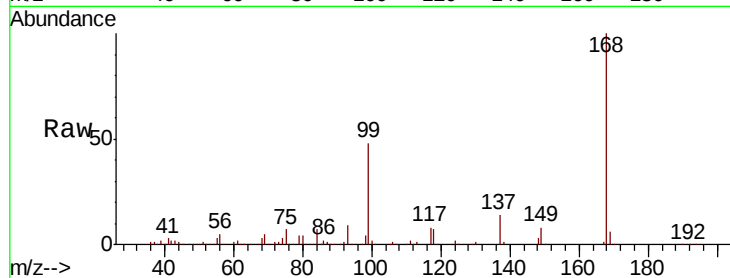
VD1112SBS01

Tot Ion:168 Resp: 1818090

Ion Ratio Lower Upper

168 100

99 47.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

800000

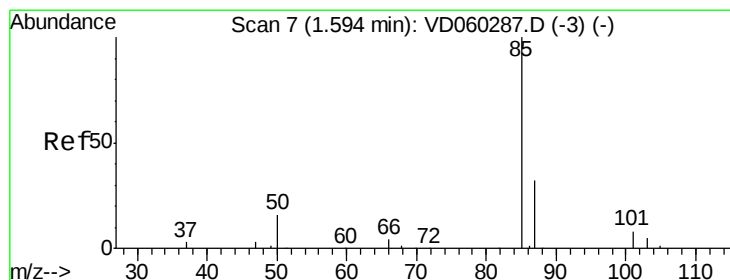
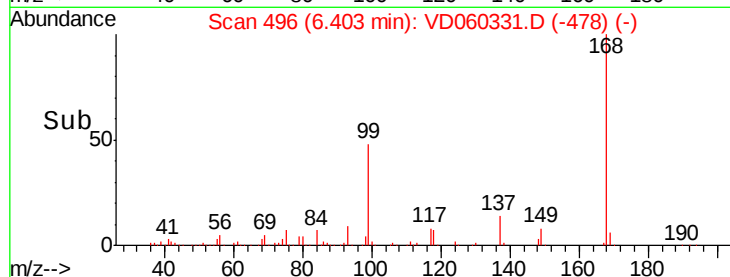
600000

400000

200000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: 23.659 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060331.D

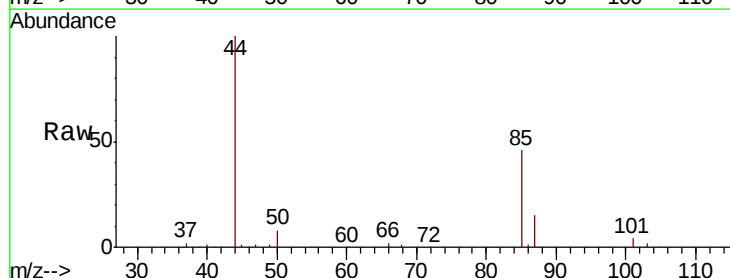
Acq: 12 Nov 2018 12:15

Tgt Ion: 85 Resp: 371808

Ion Ratio Lower Upper

85 100

87 32.5 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

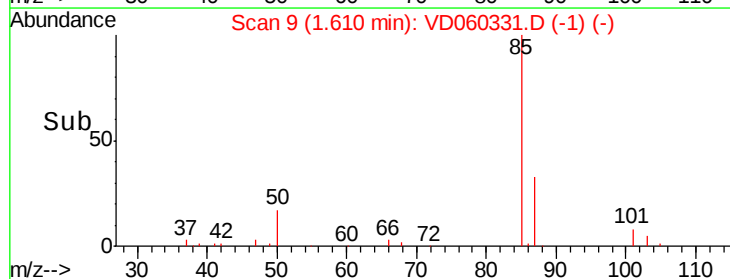
150000

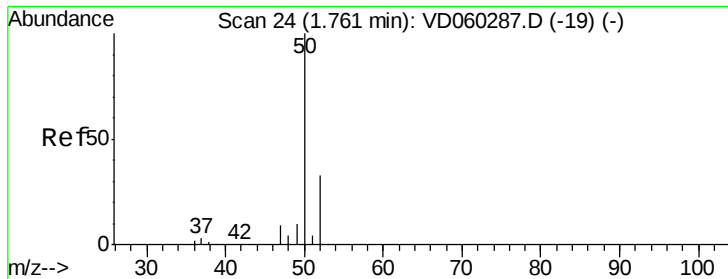
100000

50000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 20.948 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

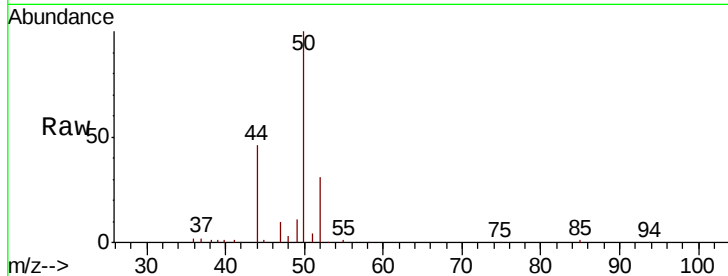
VD1112SBS01

Tot Ion: 50 Resp: 360763

Ion Ratio Lower Upper

50 100

52 30.5 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.78

150000

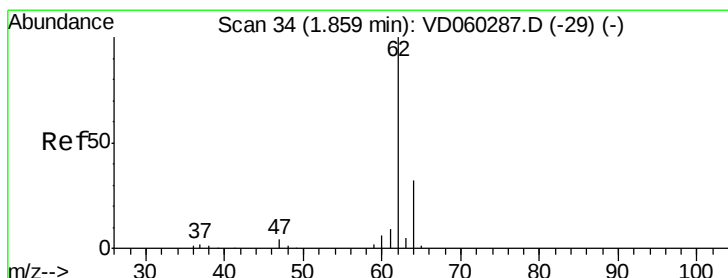
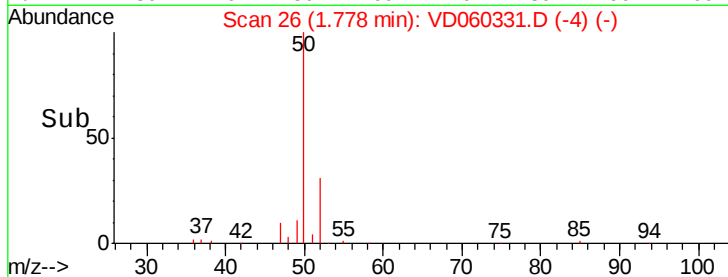
100000

50000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 21.278 ug/l

RT: 1.88 min Scan# 36

Delta R.T. 0.02 min

Lab File: VD060331.D

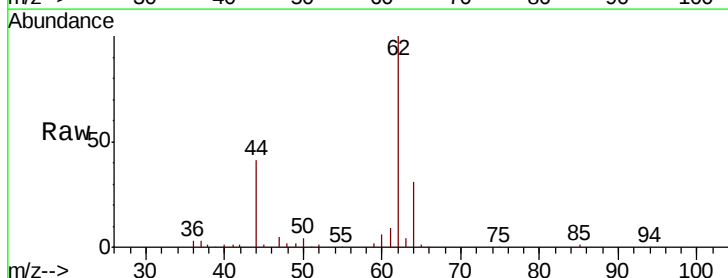
Acq: 12 Nov 2018 12:15

Tgt Ion: 62 Resp: 299257

Ion Ratio Lower Upper

62 100

64 31.4 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.88

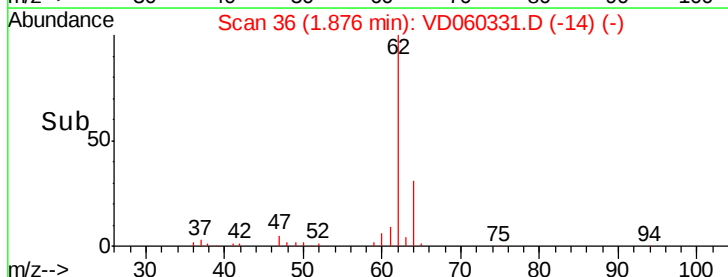
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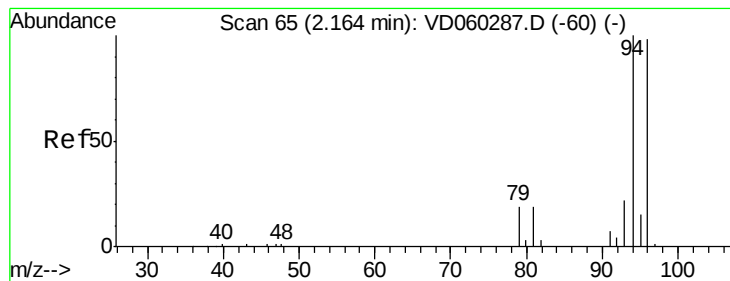
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 16.073 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

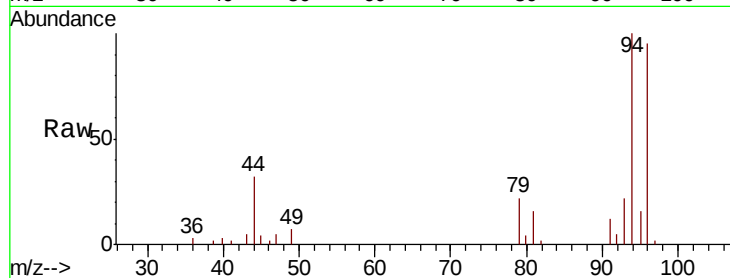
VD1112SBS01

Tot Ion: 94 Resp: 53631

Ion Ratio Lower Upper

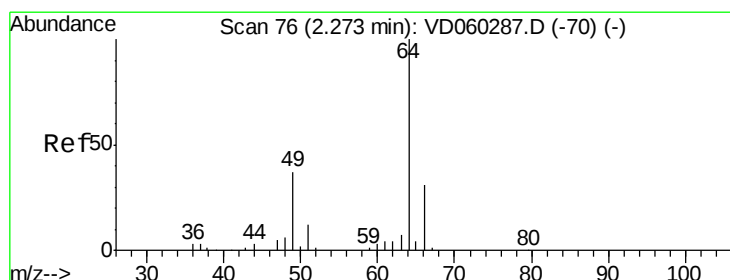
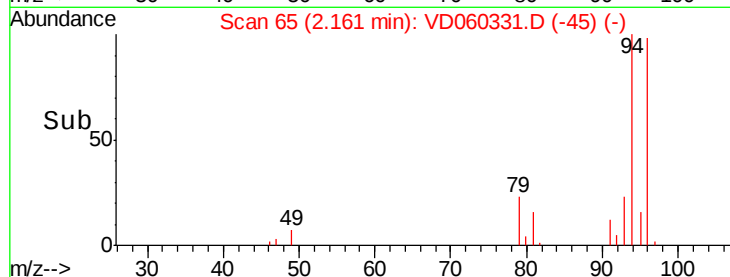
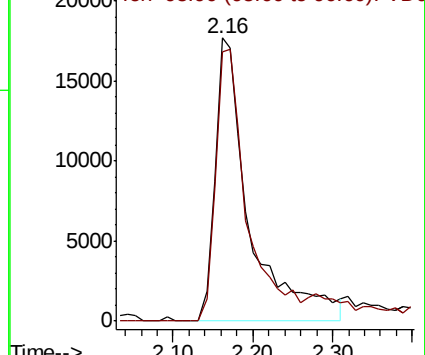
94 100

96 95.1 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.983 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060331.D

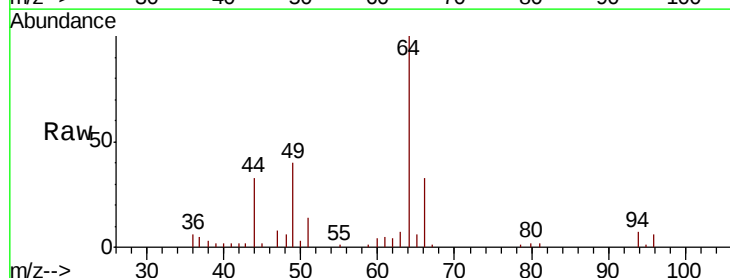
Acq: 12 Nov 2018 12:15

Tgt Ion: 64 Resp: 79252

Ion Ratio Lower Upper

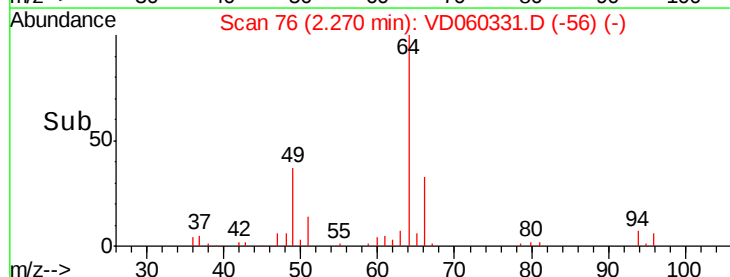
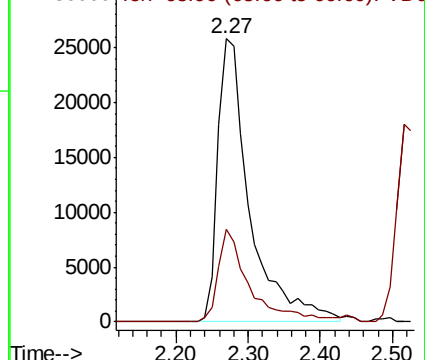
64 100

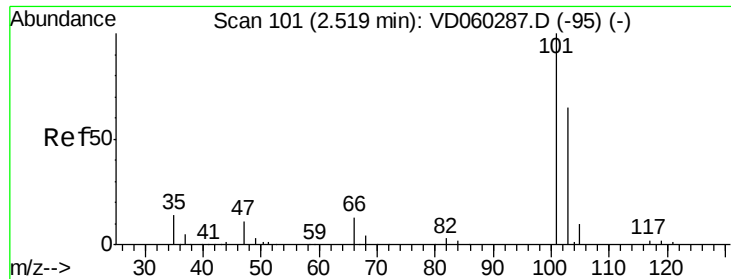
66 32.6 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



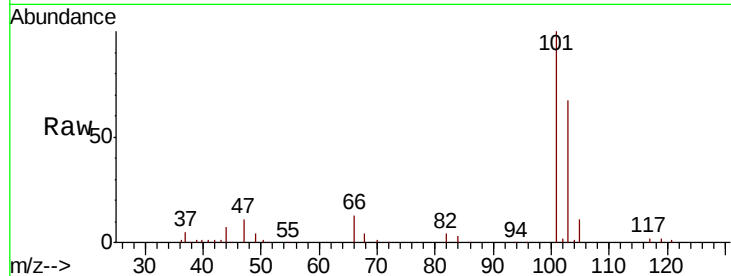


#7

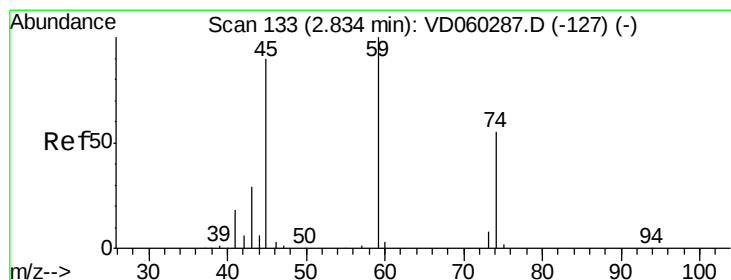
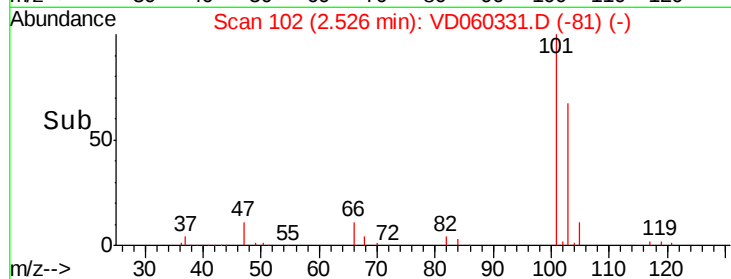
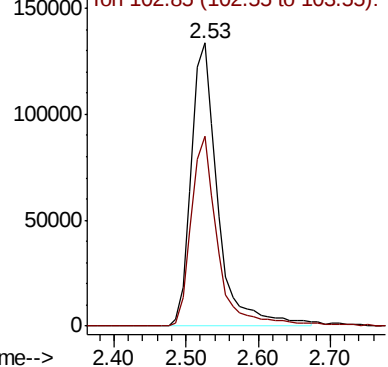
Trichlorofluoromethane
 Concen: 20.512 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VD060331.D
 Acq: 12 Nov 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion:101 Resp: 340126
 Ion Ratio Lower Upper
 101 100
 103 67.0 53.6 80.4



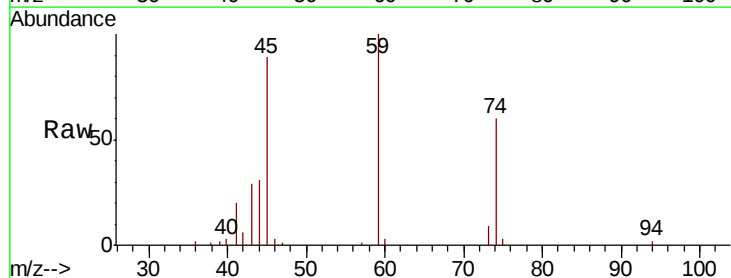
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



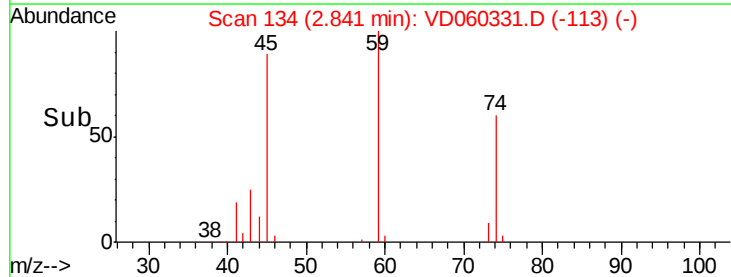
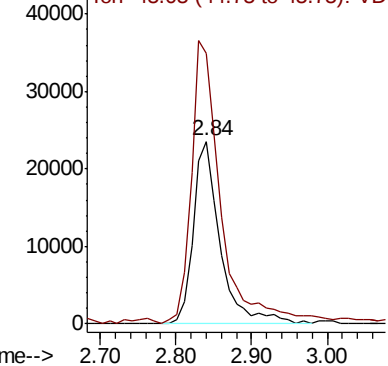
#8

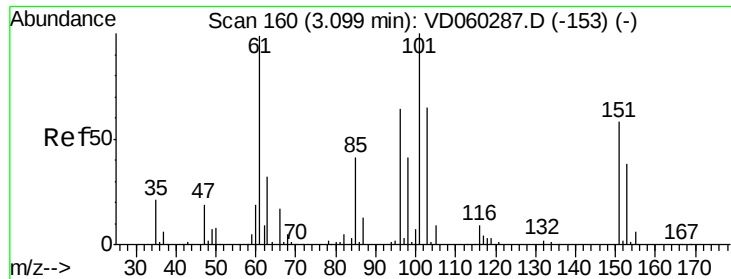
Diethyl Ether
 Concen: 19.306 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060331.D
 Acq: 12 Nov 2018 12:15

Tgt Ion: 74 Resp: 57960
 Ion Ratio Lower Upper
 74 100
 45 148.2 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.498 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

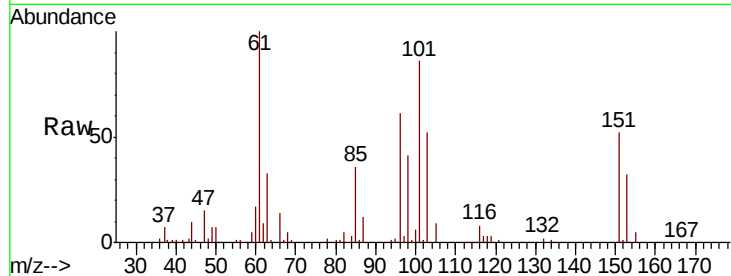
Tot Ion:101 Resp: 234458

Ion Ratio Lower Upper

101 100

85 42.2 31.4 47.0

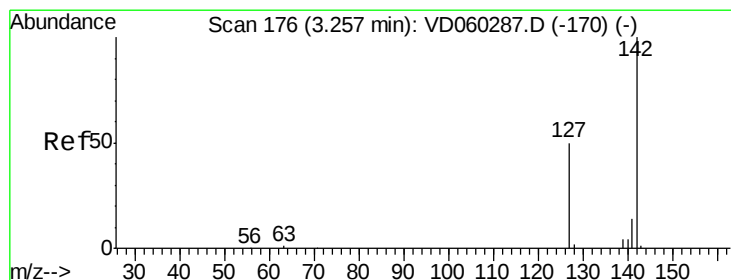
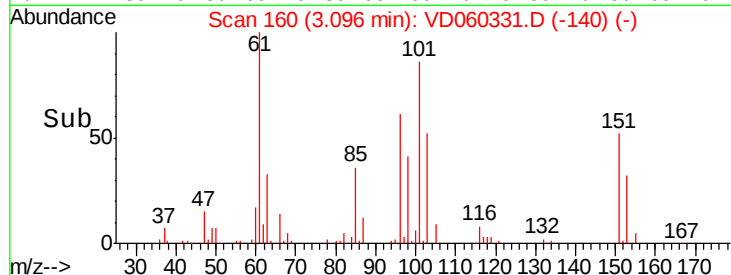
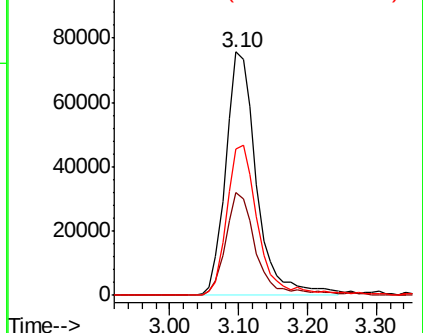
151 59.9 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.426 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

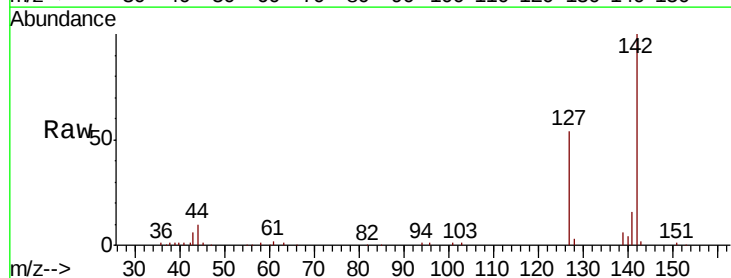
Tgt Ion:142 Resp: 275166

Ion Ratio Lower Upper

142 100

127 54.0 41.0 61.6

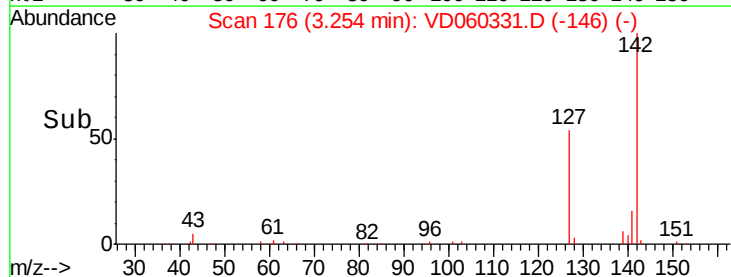
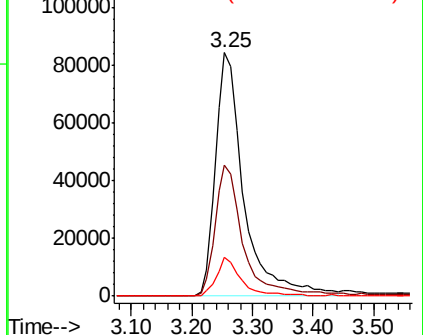
141 16.0 11.9 17.9

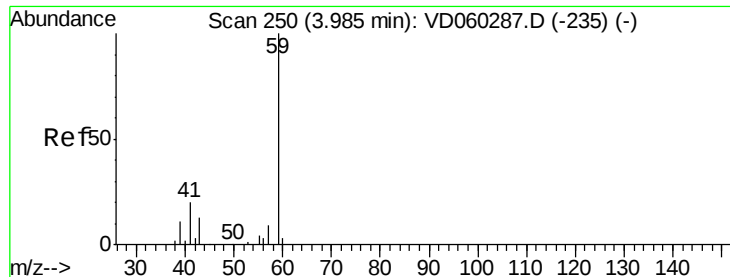


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

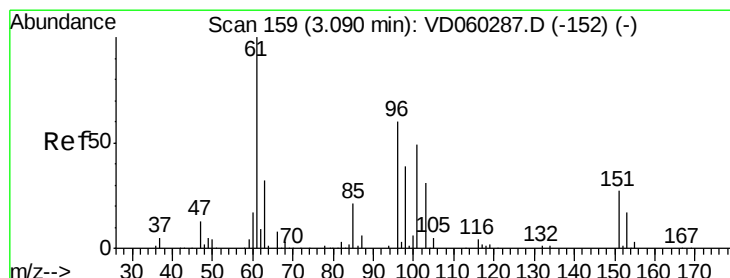
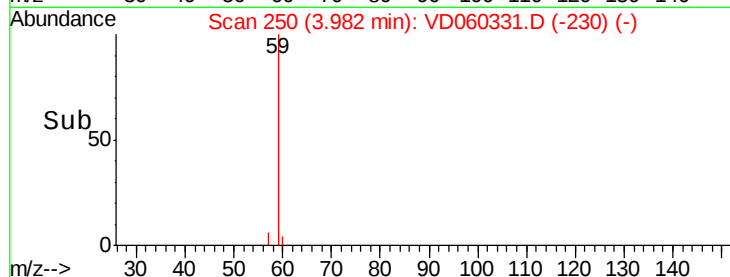
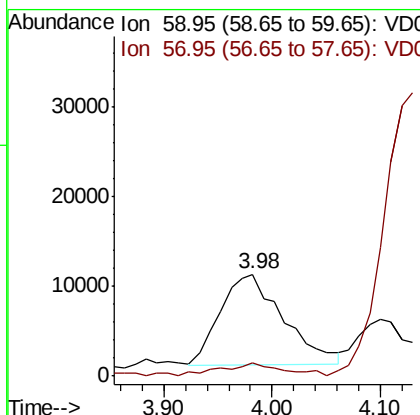
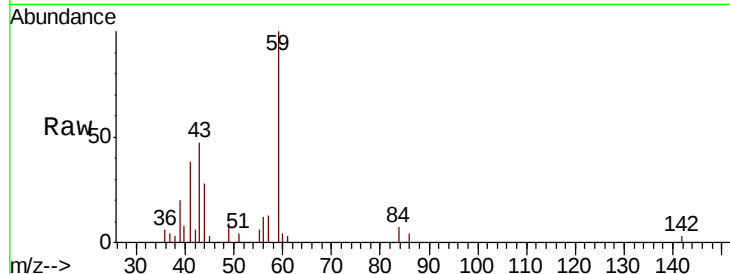




#11
Tert butyl alcohol
Concen: 76.777 ug/l
RT: 3.98 min Scan# 250
Delta R.T. -0.00 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

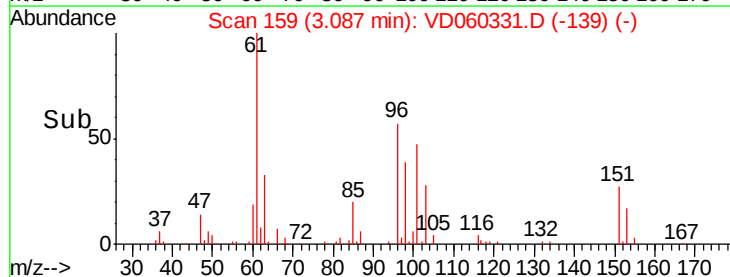
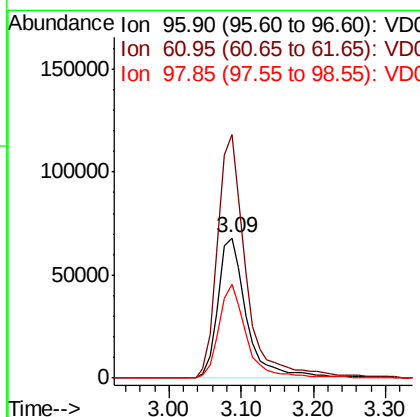
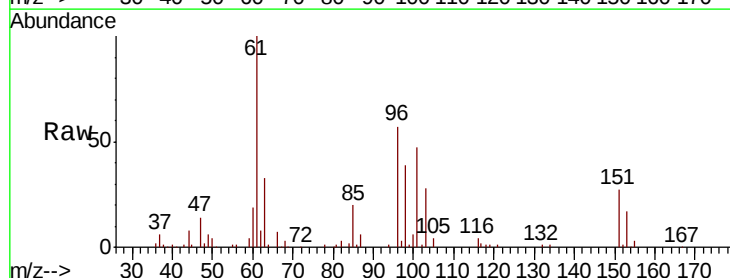
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

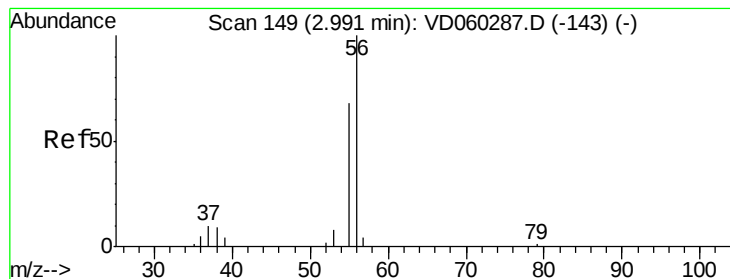
Tot Ion: 59 Resp: 41042
Ion Ratio Lower Upper
59 100
57 13.0 9.3 13.9



#12
1,1-Dichloroethene
Concen: 21.022 ug/l
RT: 3.09 min Scan# 159
Delta R.T. -0.00 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Tgt Ion: 96 Resp: 186492
Ion Ratio Lower Upper
96 100
61 174.0 142.2 213.4
98 67.2 52.6 79.0





#13

Acrolein

Concen: 86.877 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

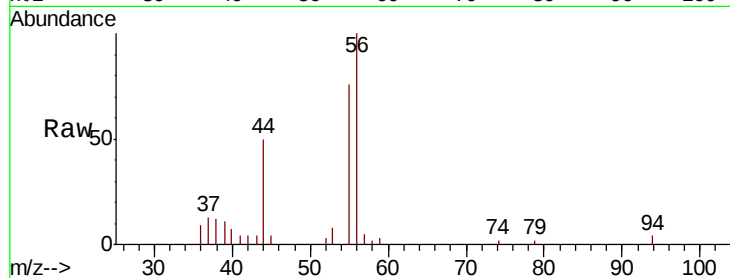
VD1112SBS01

Tot Ion: 56 Resp: 54875

Ion Ratio Lower Upper

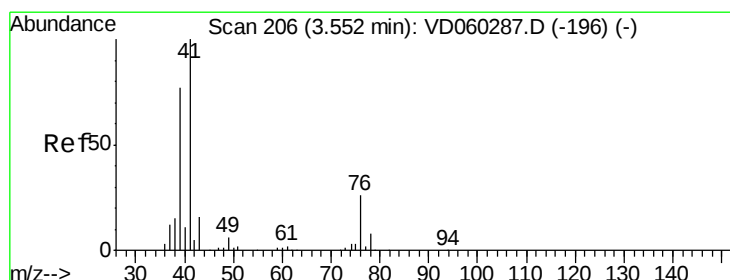
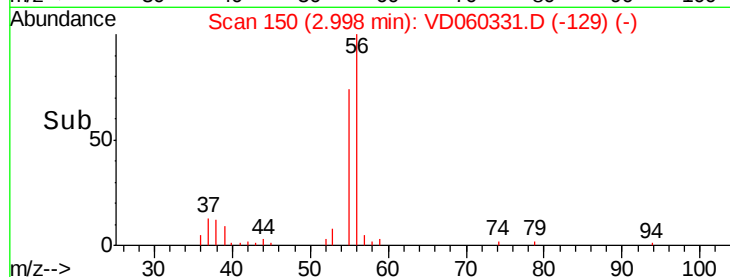
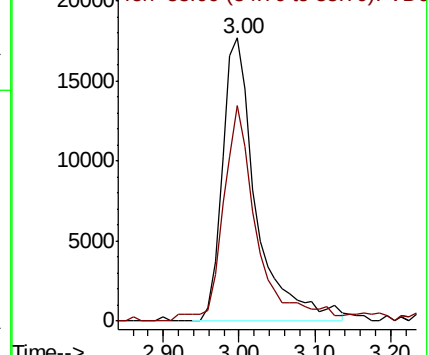
56 100

55 76.3 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.391 ug/l

RT: 3.55 min Scan# 206

Delta R.T. -0.00 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

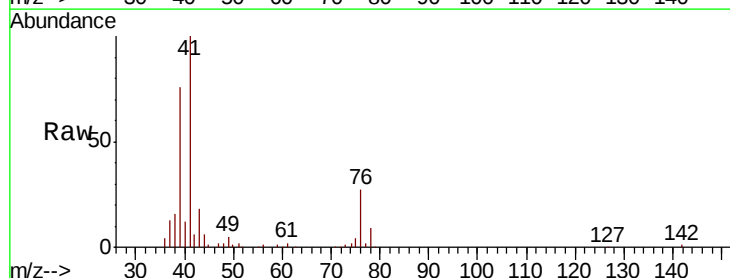
Tgt Ion: 41 Resp: 346121

Ion Ratio Lower Upper

41 100

39 76.2 60.4 90.6

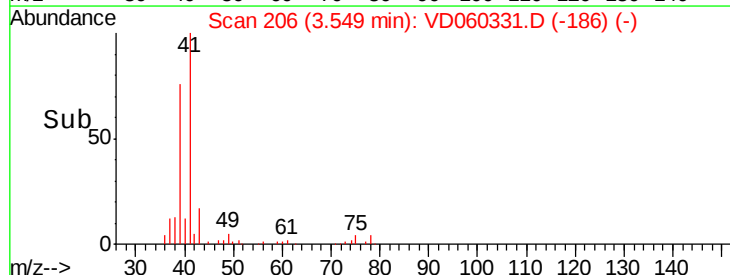
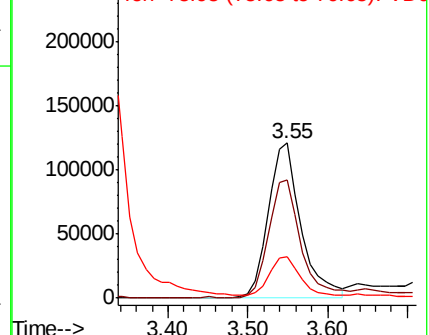
76 26.8 21.8 32.8

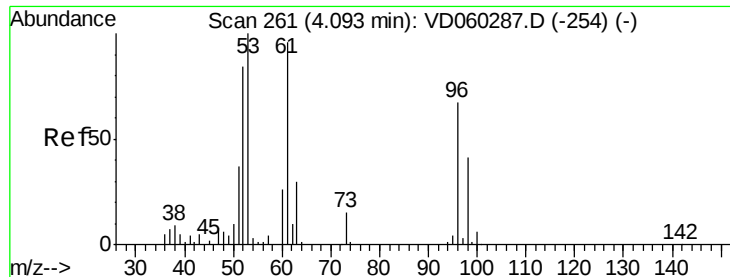


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 97.894 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.00 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

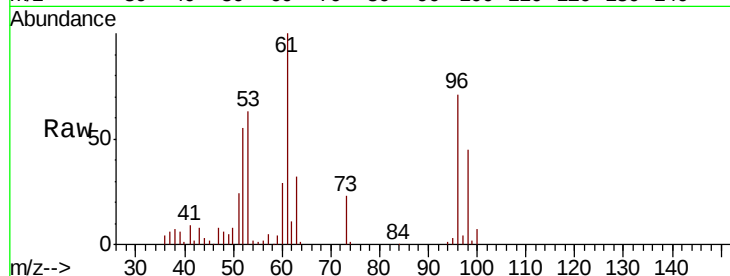
Tot Ion: 53 Resp: 305160

Ion Ratio Lower Upper

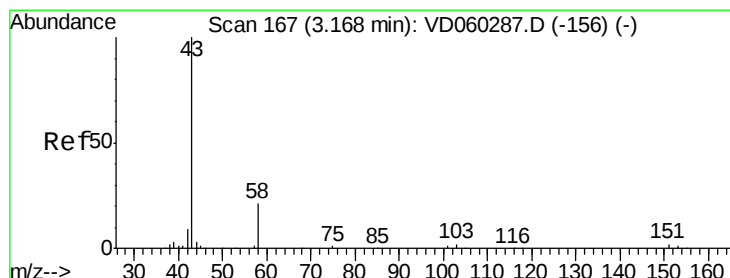
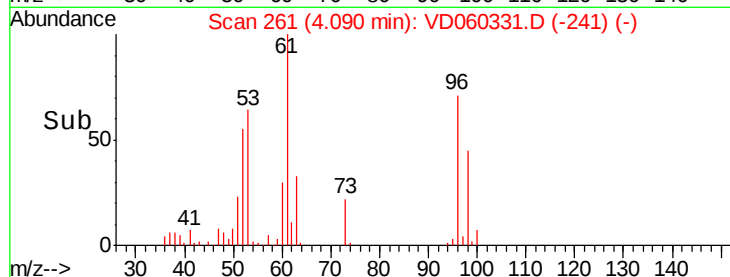
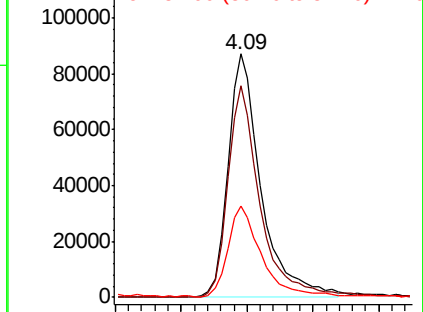
53 100

52 86.8 67.0 100.4

51 37.6 29.9 44.9



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: 97.960 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060331.D

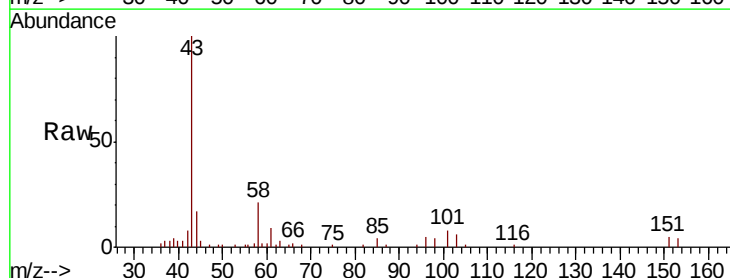
Acq: 12 Nov 2018 12:15

Tgt Ion: 43 Resp: 221202

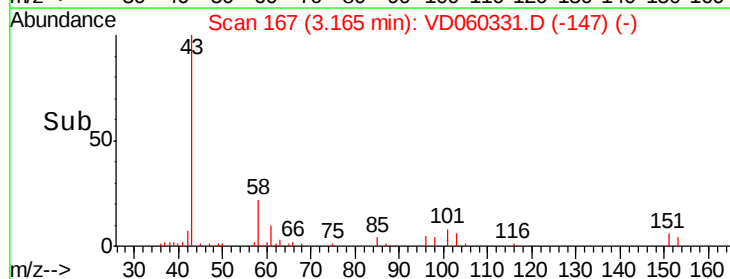
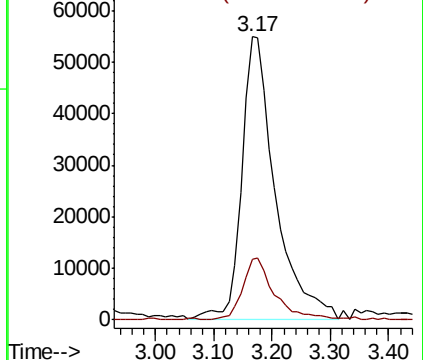
Ion Ratio Lower Upper

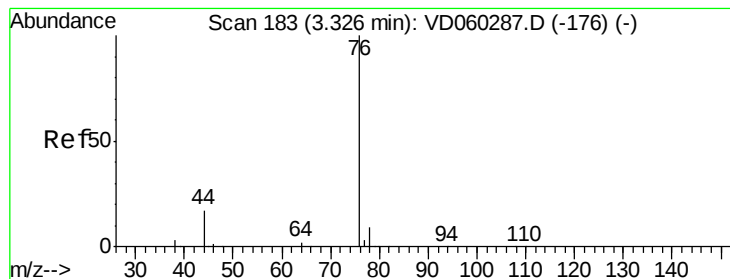
43 100

58 21.3 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.366 ug/l

RT: 3.32 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

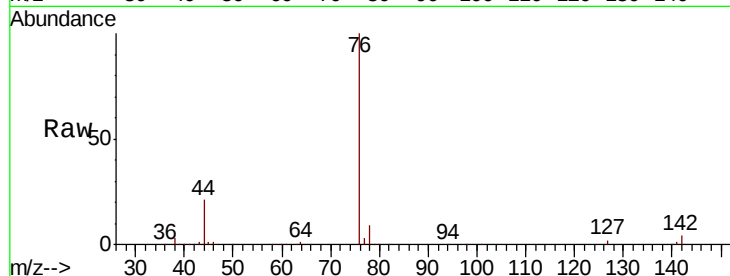
VD1112SBS01

Tot Ion: 76 Resp: 583148

Ion Ratio Lower Upper

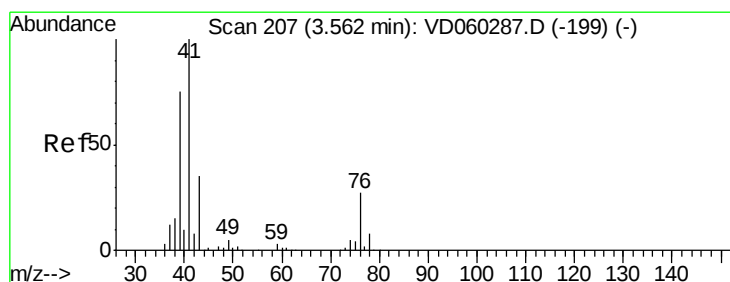
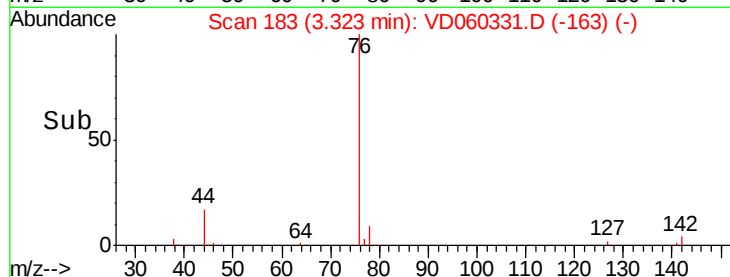
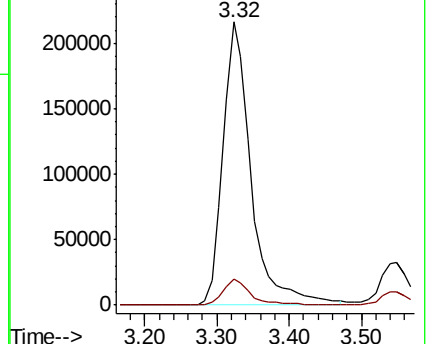
76 100

78 9.3 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.683 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.01 min

Lab File: VD060331.D

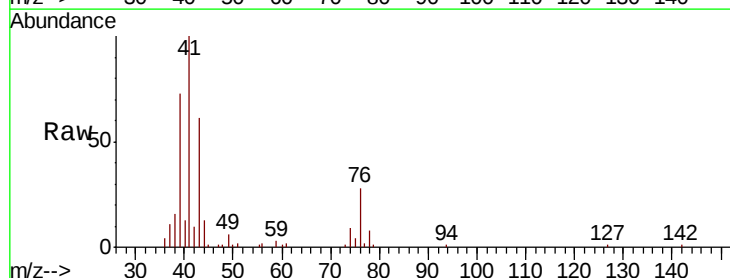
Acq: 12 Nov 2018 12:15

Tgt Ion: 43 Resp: 99584

Ion Ratio Lower Upper

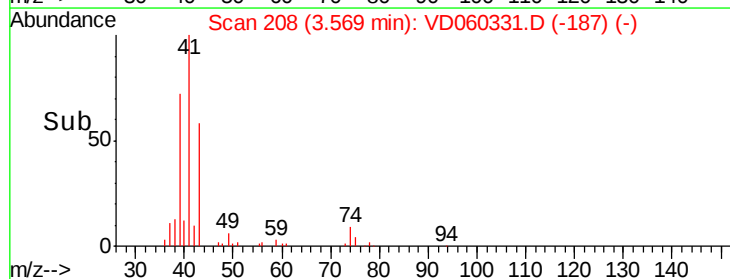
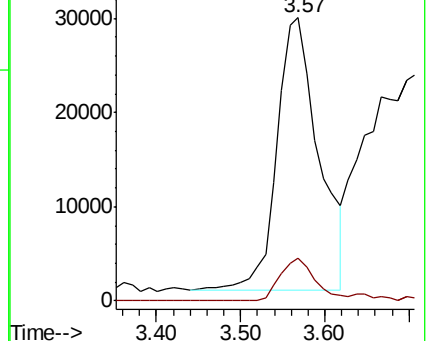
43 100

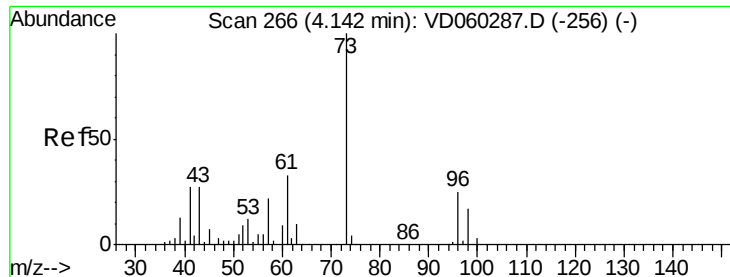
74 14.9 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

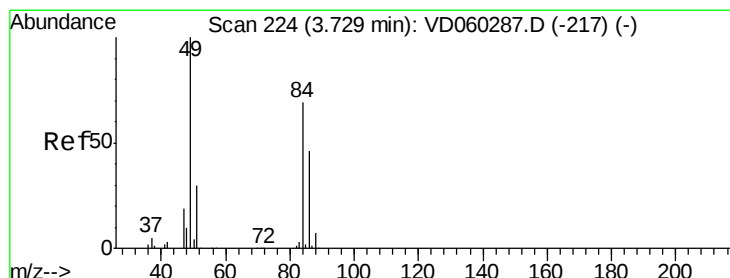
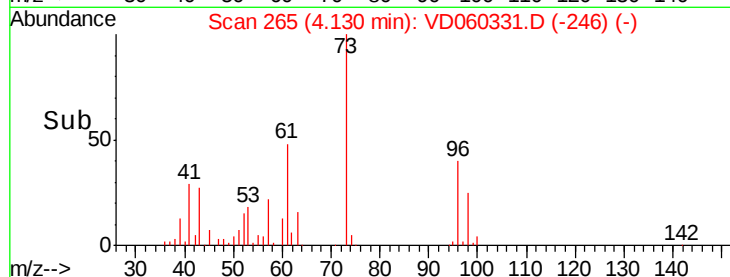
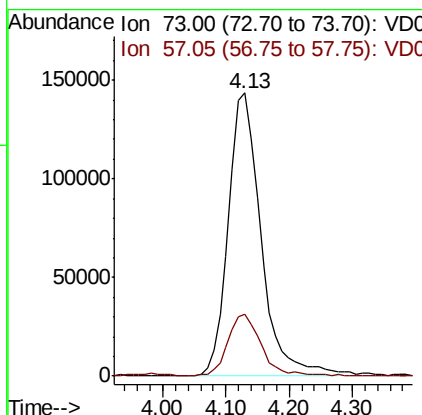
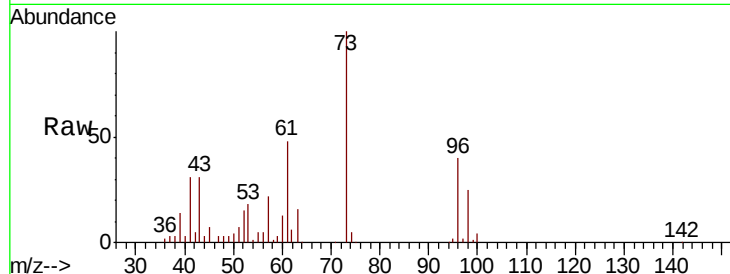




#19
Methyl tert-butyl Ether
Concen: 19.457 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.01 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

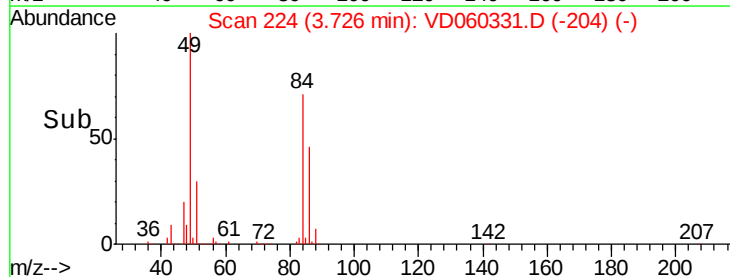
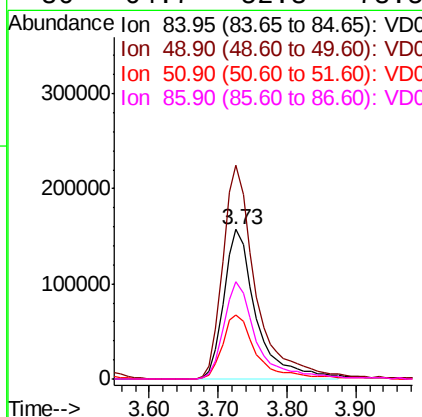
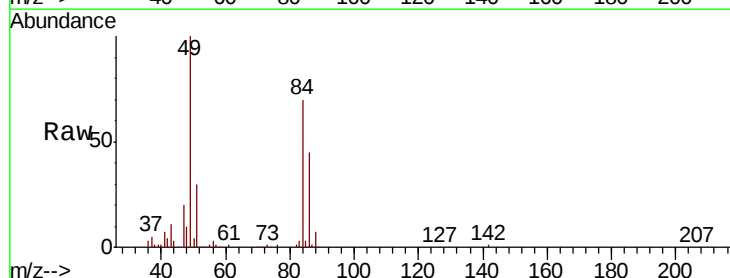
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

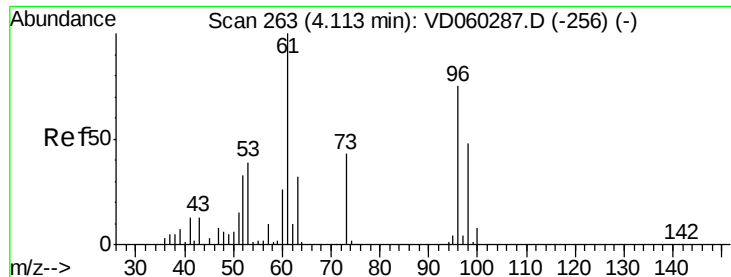
Tot Ion: 73 Resp: 516831
Ion Ratio Lower Upper
73 100
57 22.0 18.1 27.1



#20
Methylene Chloride
Concen: 25.592 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Tgt Ion: 84 Resp: 512639
Ion Ratio Lower Upper
84 100
49 142.7 115.6 173.4
51 42.5 35.6 53.4
86 64.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.500 ug/l

RT: 4.10 min Scan# 262

Delta R.T. -0.01 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

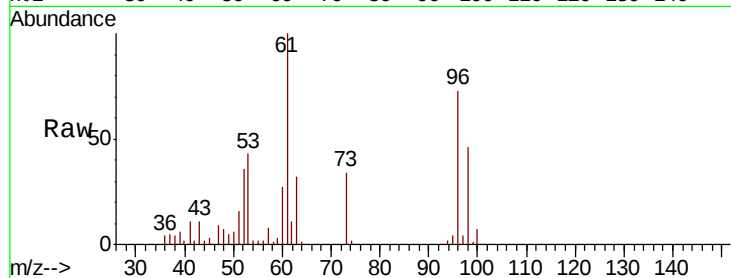
Tot Ion: 96 Resp: 403785

Ion Ratio Lower Upper

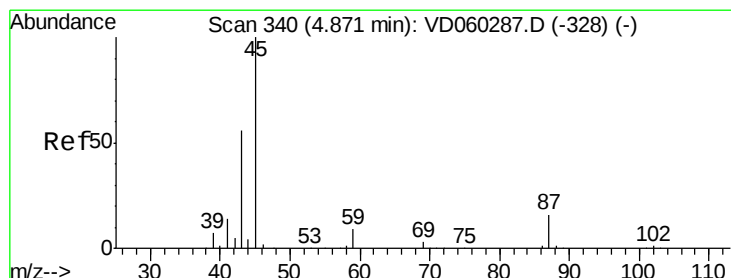
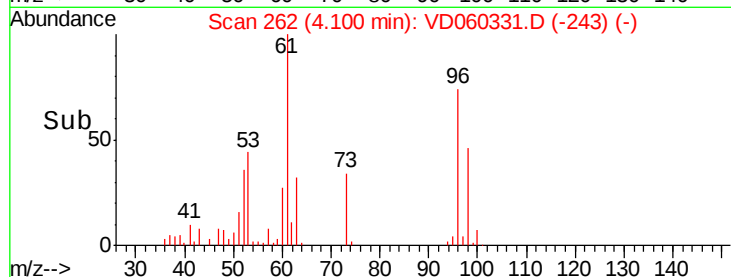
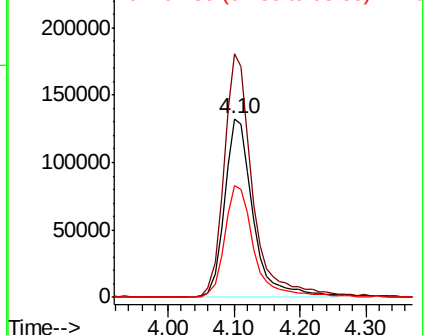
96 100

61 136.4 105.8 158.6

98 62.8 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.453 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Tgt Ion: 45 Resp: 1297028

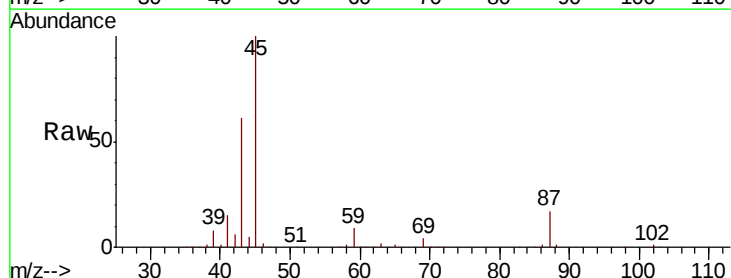
Ion Ratio Lower Upper

45 100

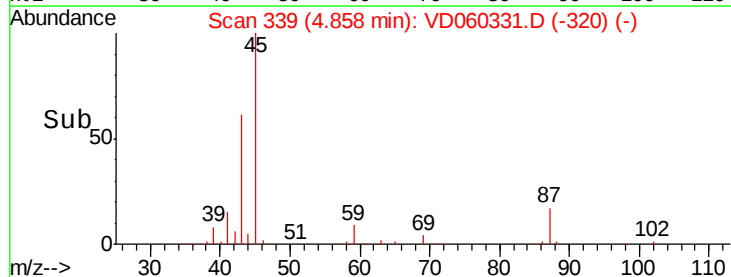
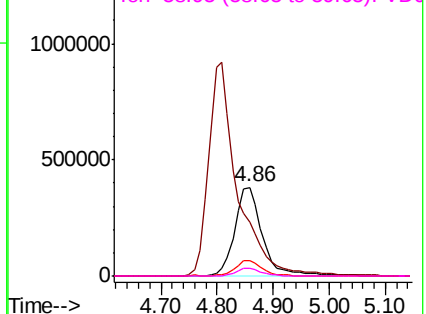
43 61.0 44.9 67.3

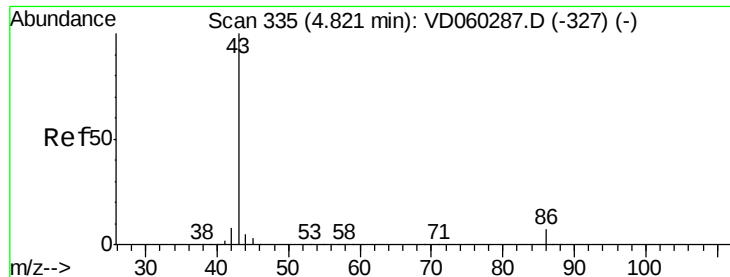
87 17.4 13.9 20.9

59 9.0 7.0 10.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

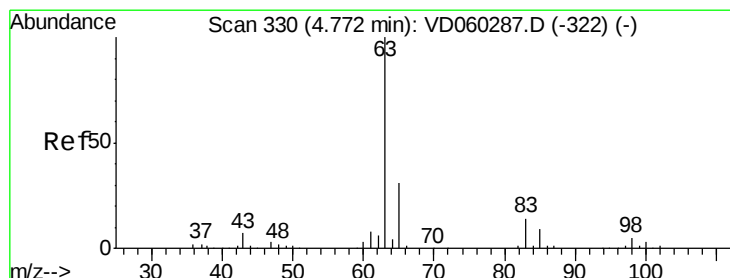
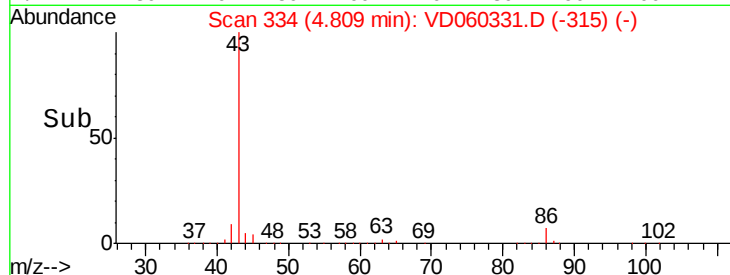
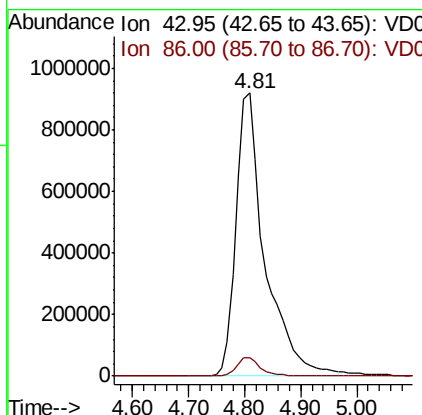
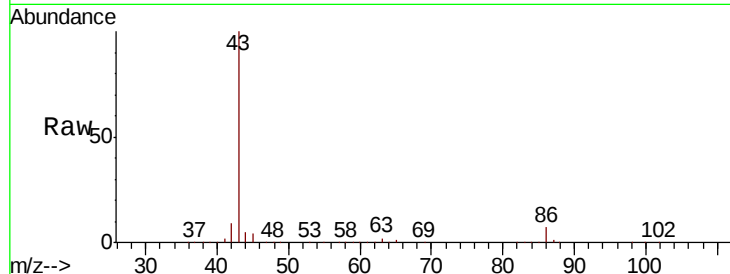




#23
 Vinyl Acetate
 Concen: 104.016 ug/l
 RT: 4.81 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VD060331.D
 Acq: 12 Nov 2018 12:15

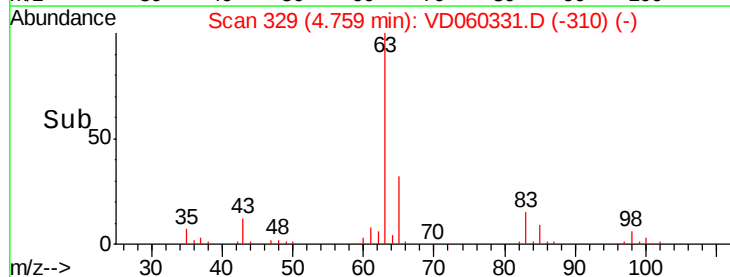
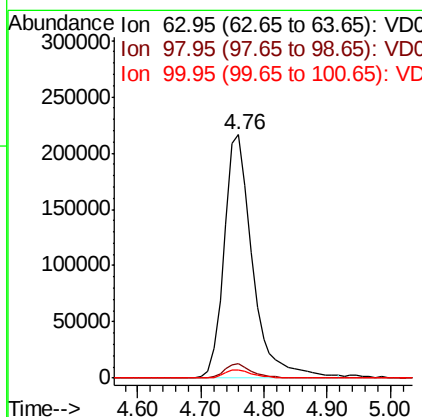
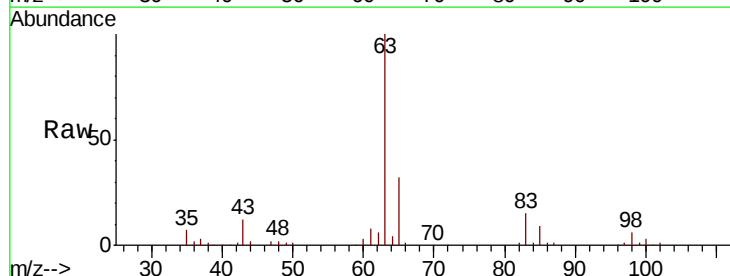
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

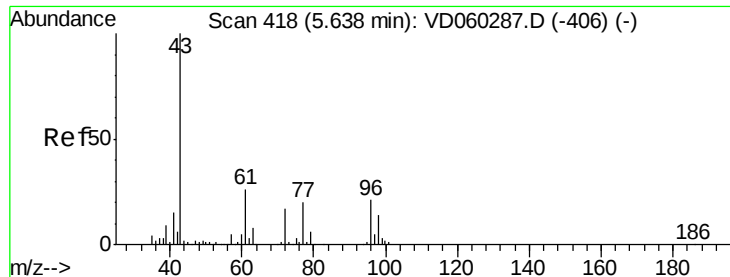
Tot Ion: 43 Resp: 3282171
 Ion Ratio Lower Upper
 43 100
 86 6.7 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 20.770 ug/l
 RT: 4.76 min Scan# 329
 Delta R.T. -0.01 min
 Lab File: VD060331.D
 Acq: 12 Nov 2018 12:15

Tgt Ion: 63 Resp: 675435
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.4
 100 3.3 1.8 5.5





#25

2-Butanone

Concen: 95.963 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

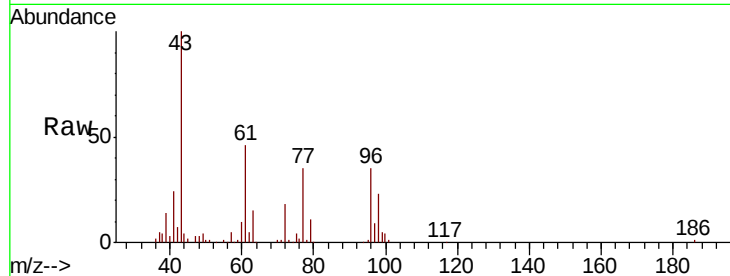
VD1112SBS01

Tot Ion: 43 Resp: 450407

Ion Ratio Lower Upper

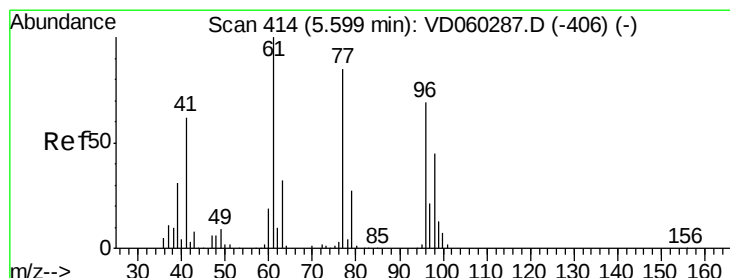
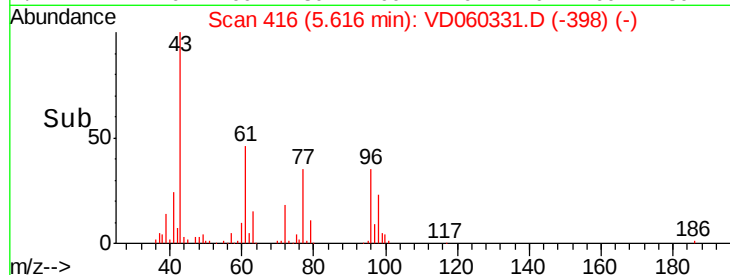
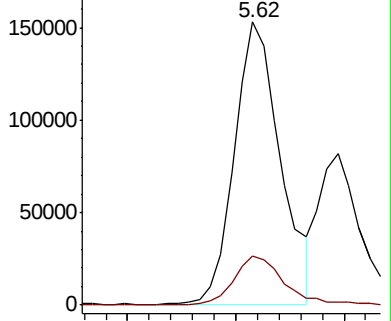
43 100

72 17.6 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.830 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.02 min

Lab File: VD060331.D

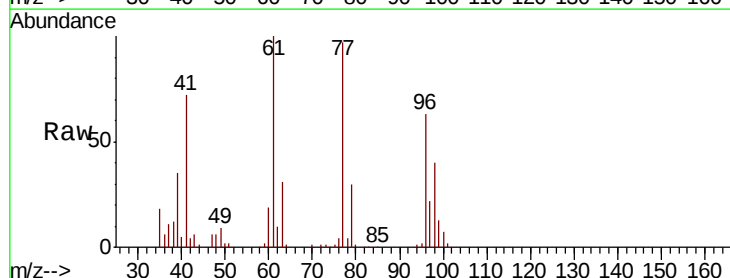
Acq: 12 Nov 2018 12:15

Tgt Ion: 77 Resp: 551908

Ion Ratio Lower Upper

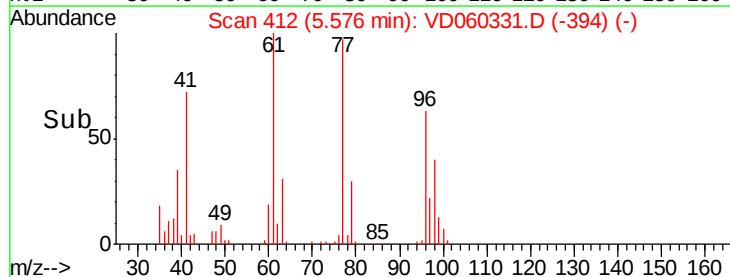
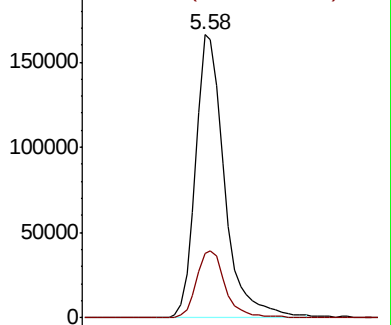
77 100

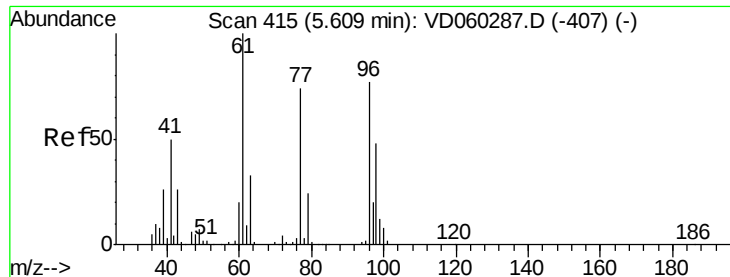
97 22.7 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



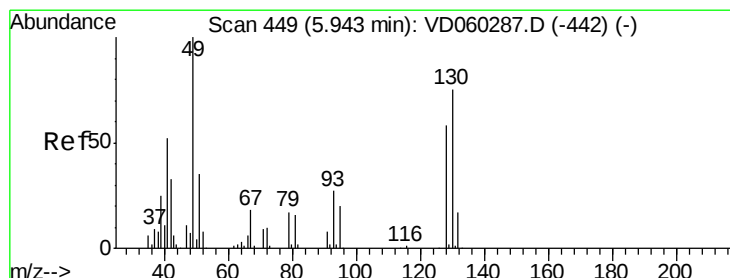
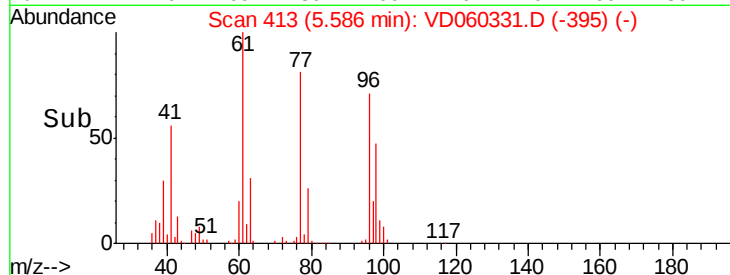
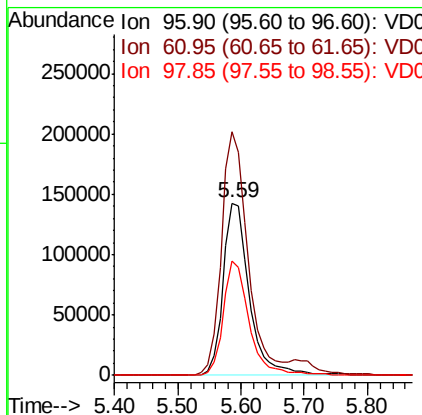
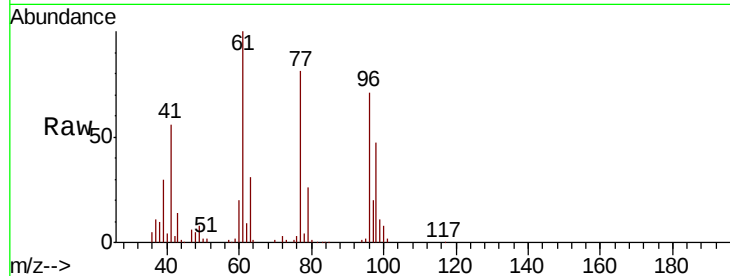


#27

cis-1,2-Dichloroethene
Concen: 20.137 ug/l
RT: 5.59 min Scan# 413
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

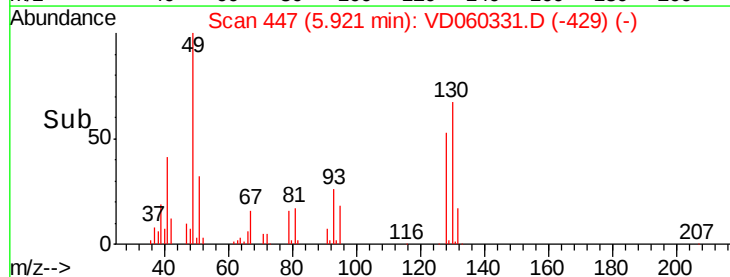
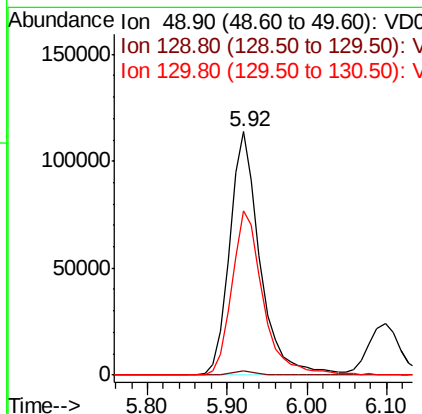
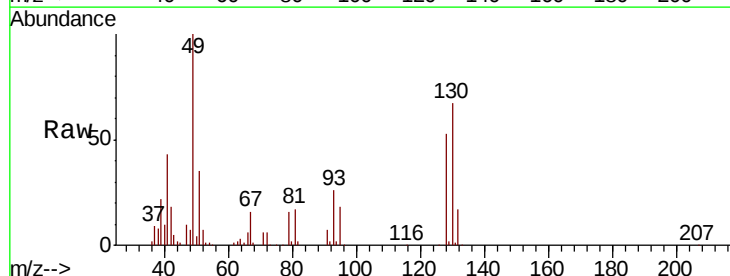
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	259.0
98	66.2	0.0	128.8

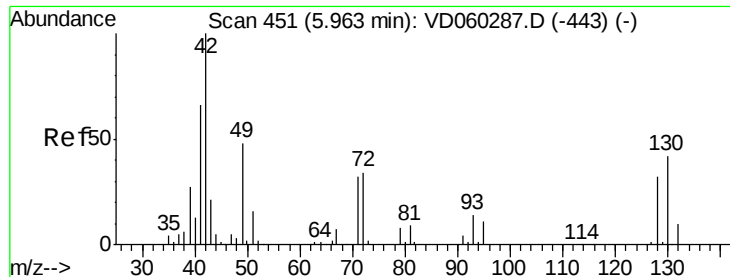


#28

Bromochloromethane
Concen: 21.031 ug/l
RT: 5.92 min Scan# 447
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	2.8
130	67.4	53.6	80.4

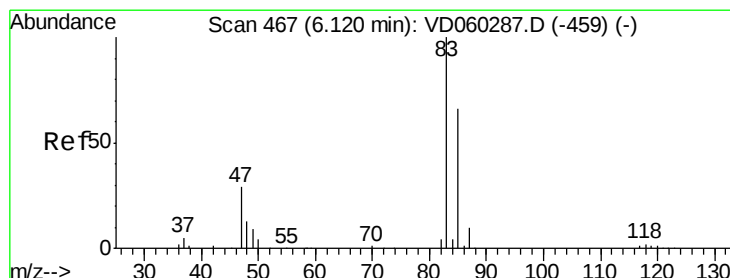
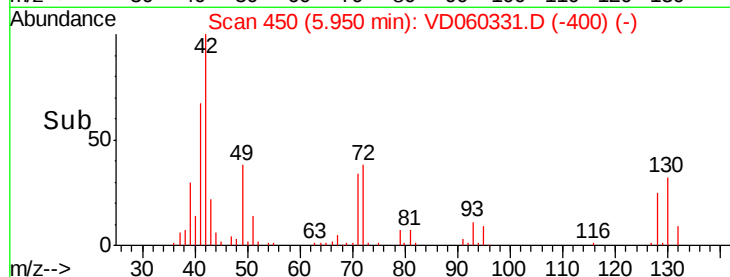
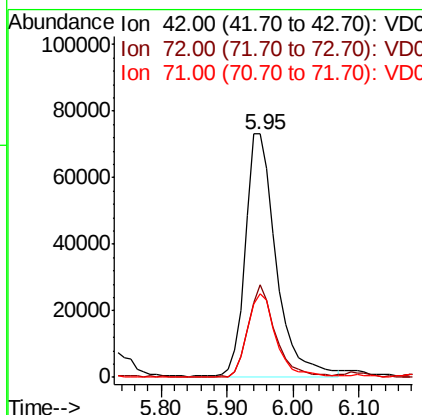
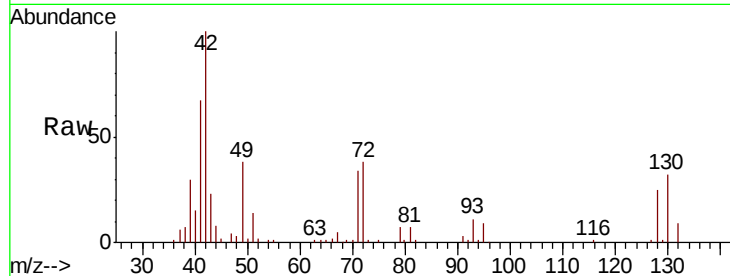




#29
Tetrahydrofuran
Concen: 96.331 ug/l
RT: 5.95 min Scan# 450
Delta R.T. -0.01 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

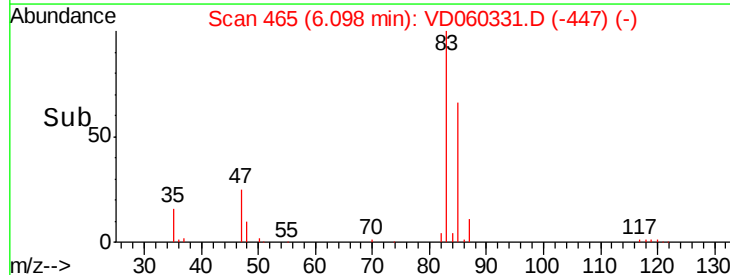
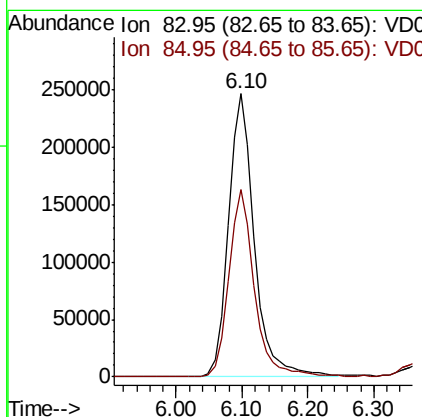
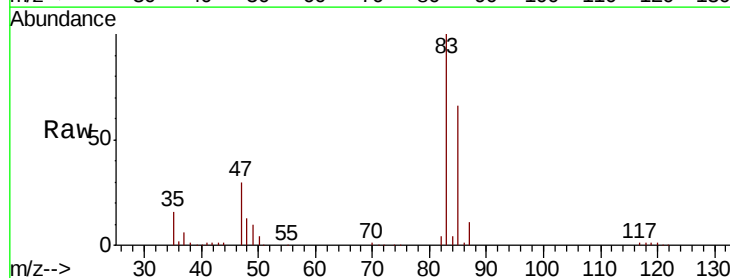
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

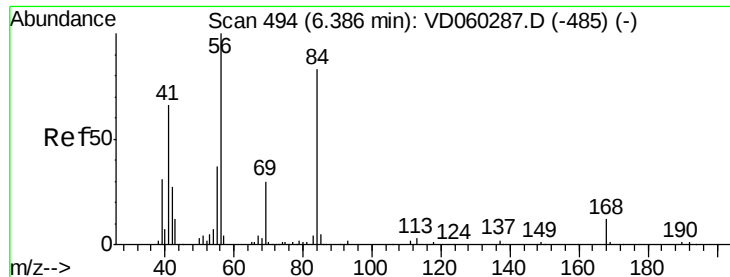
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.1	27.6	41.4
71	32.5	26.5	39.7



#30
Chloroform
Concen: 20.880 ug/l
RT: 6.10 min Scan# 465
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.5	78.7

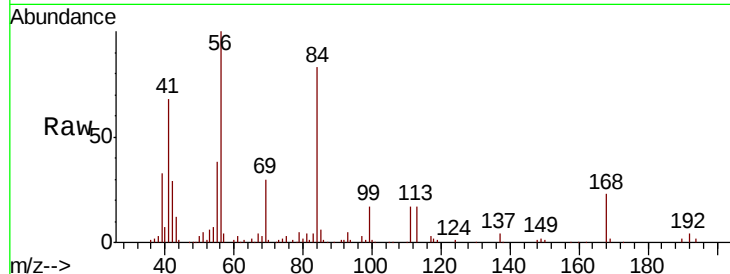




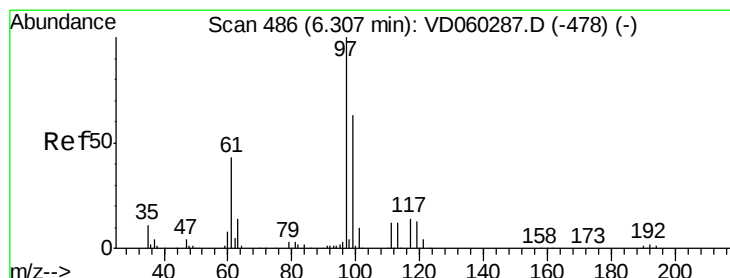
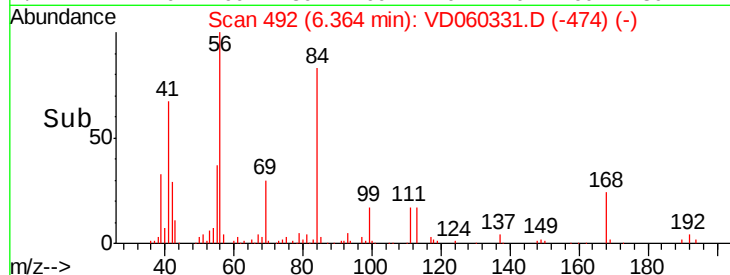
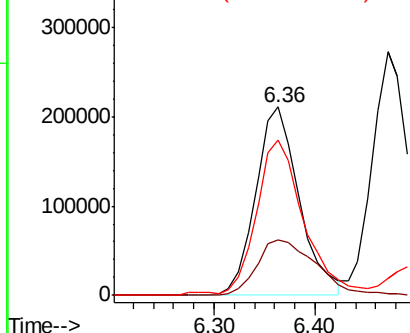
#31
Cyclohexane
Concen: 20.251 ug/l
RT: 6.36 min Scan# 492
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion: 56 Resp: 629439
Ion Ratio Lower Upper
56 100
69 29.7 22.2 33.2
84 82.7 63.0 94.4

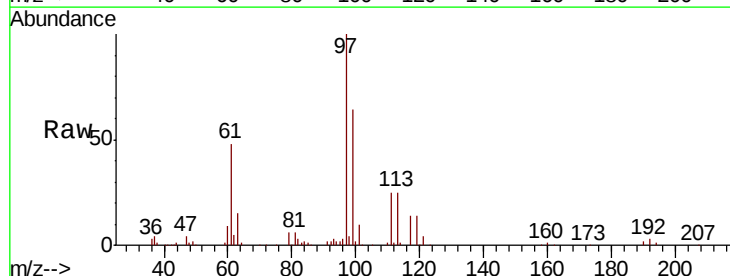


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

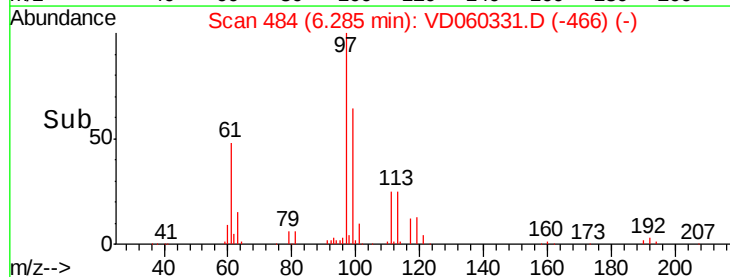
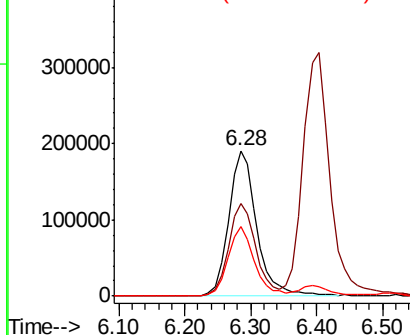


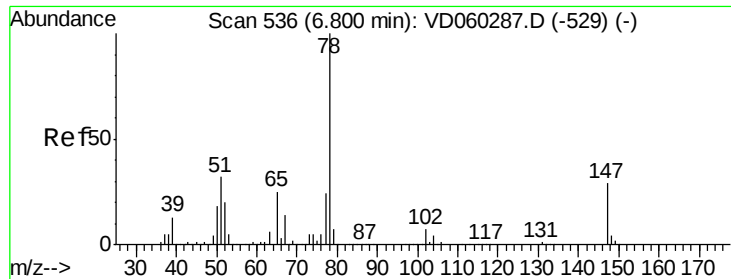
#32
1,1,1-Trichloroethane
Concen: 20.614 ug/l
RT: 6.28 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Tgt Ion: 97 Resp: 564508
Ion Ratio Lower Upper
97 100
99 63.6 51.5 77.3
61 47.6 35.8 53.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 20.614 ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

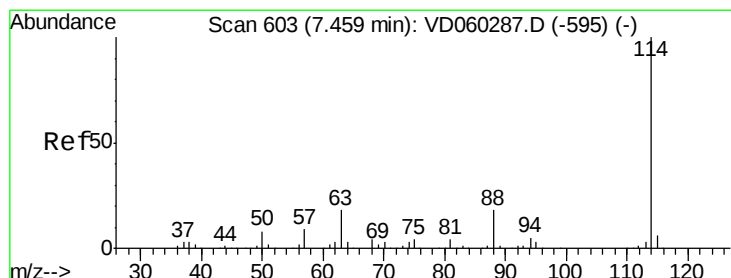
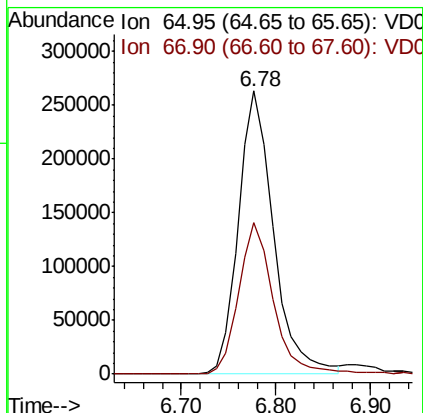
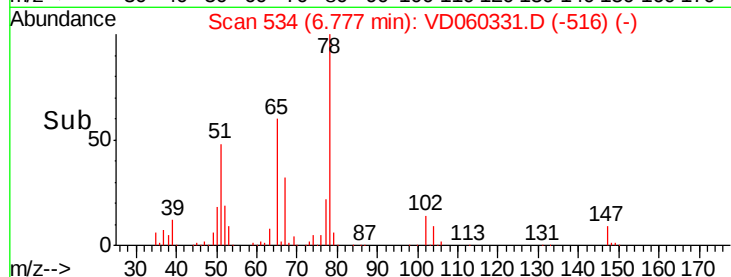
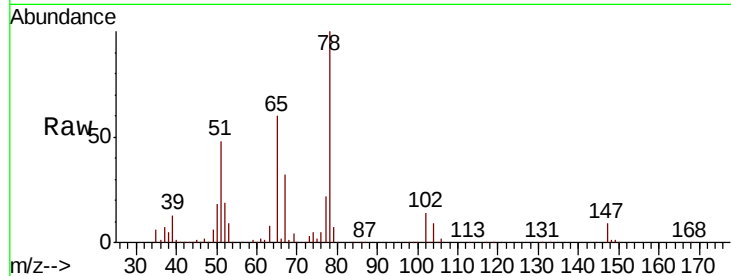
VD1112SBS01

Tot Ion: 65 Resp: 678017

Ion Ratio Lower Upper

65 100

67 53.6 0.0 109.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

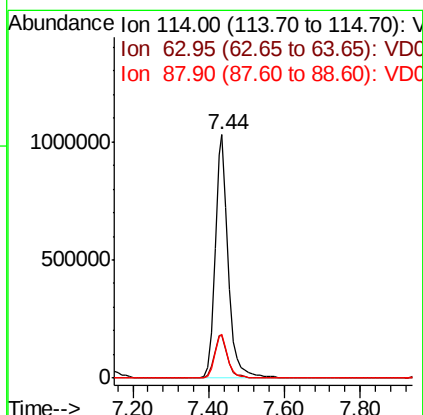
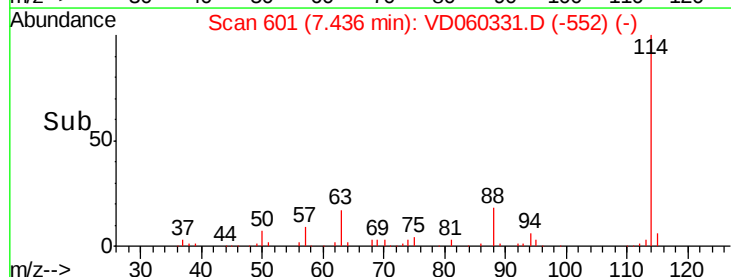
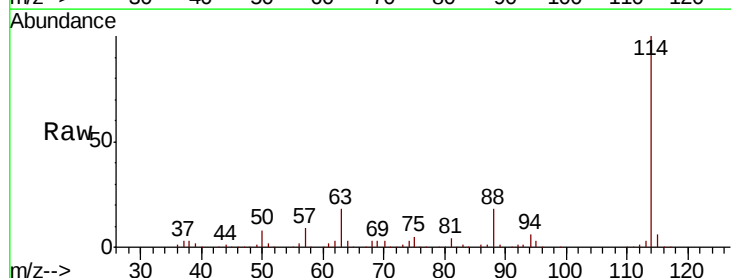
Tgt Ion: 114 Resp: 2544345

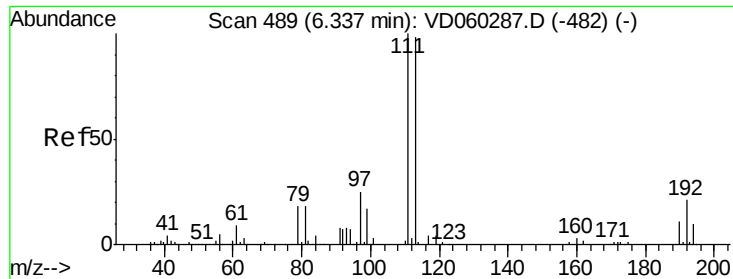
Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.0

88 18.2 0.0 35.4

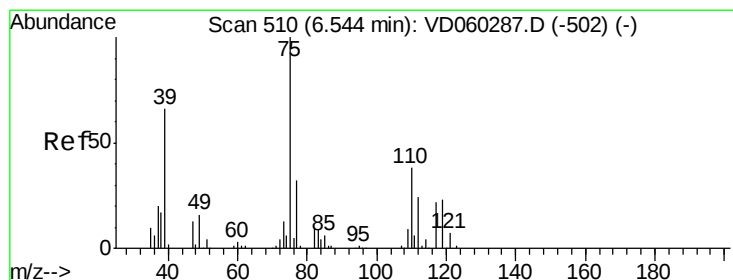
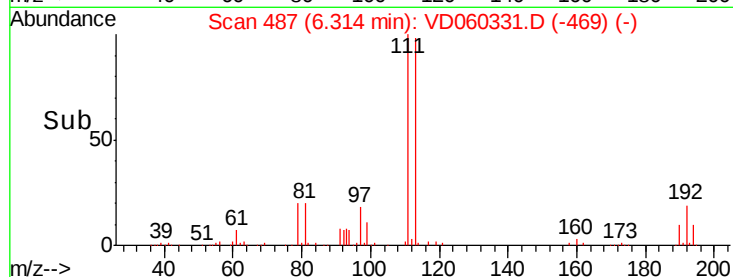
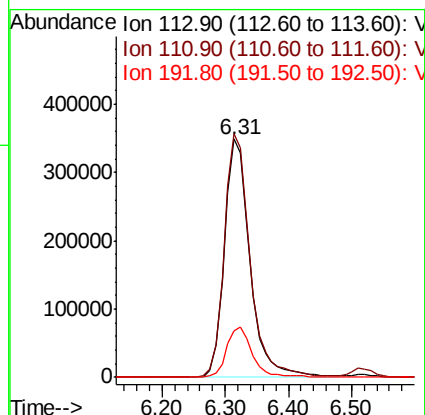
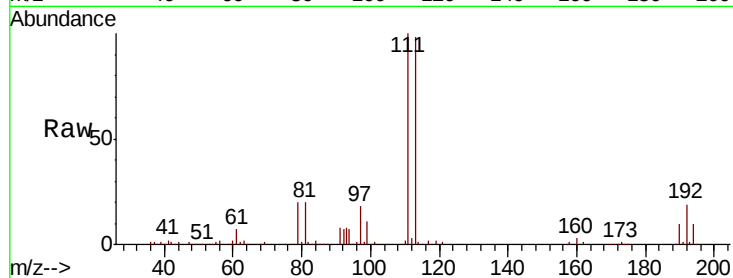




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: VD060331.D
 Acq: 12 Nov 2018 12:15

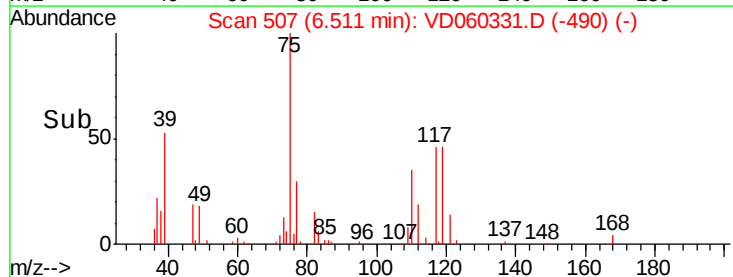
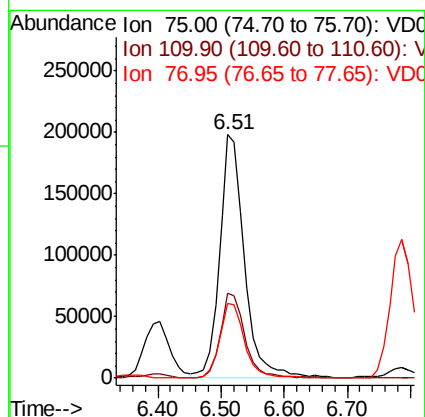
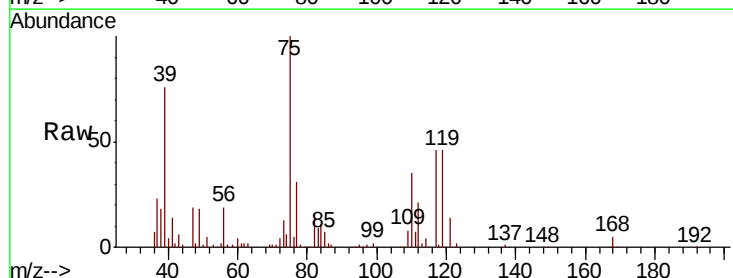
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

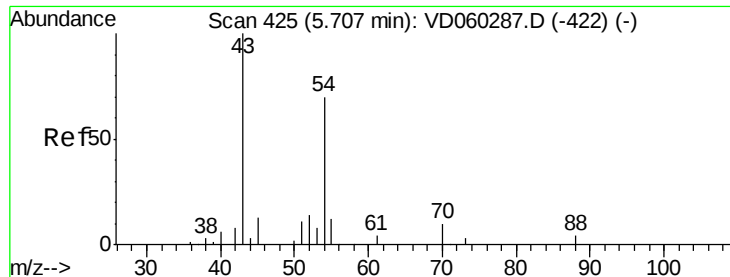
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.6	122.4
192	19.7	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 21.276 ug/l
 RT: 6.51 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: VD060331.D
 Acq: 12 Nov 2018 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	18.0	54.0
77	30.6	25.6	38.4

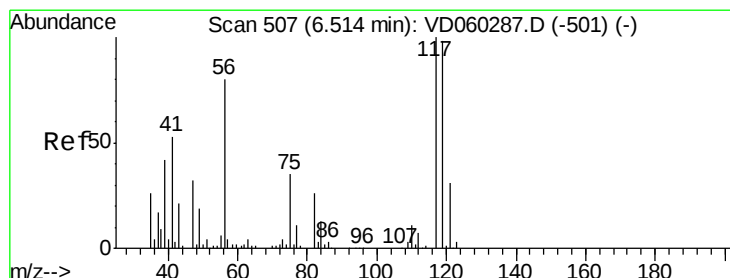
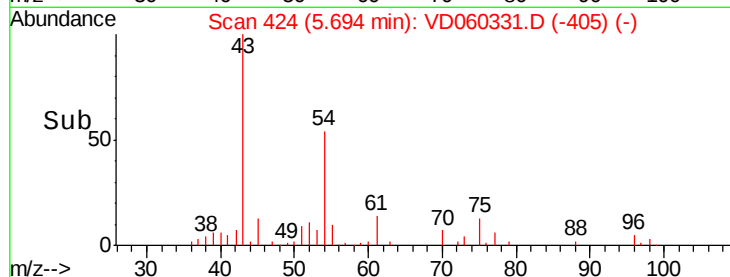
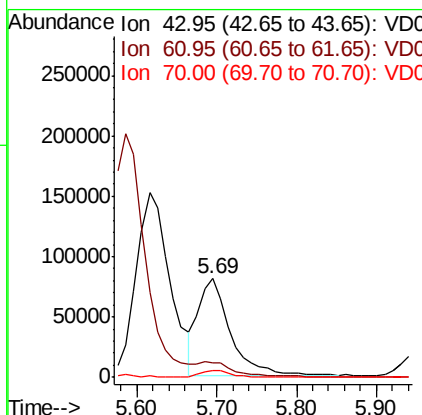
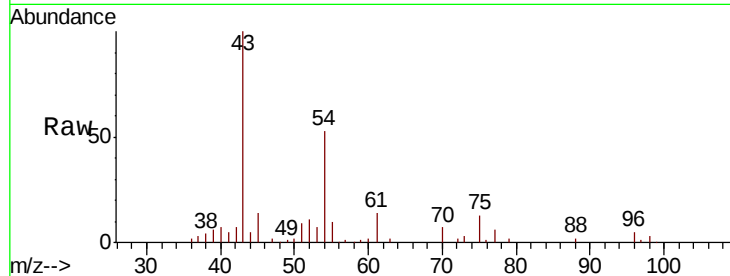




#37
Ethyl Acetate
Concen: 19.549 ug/l
RT: 5.69 min Scan# 424
Delta R.T. -0.01 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

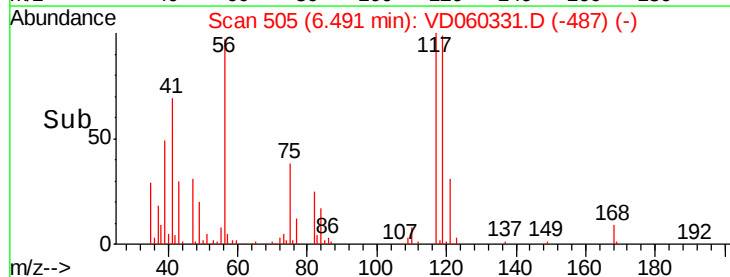
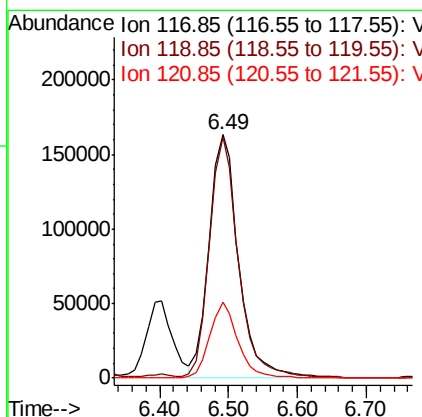
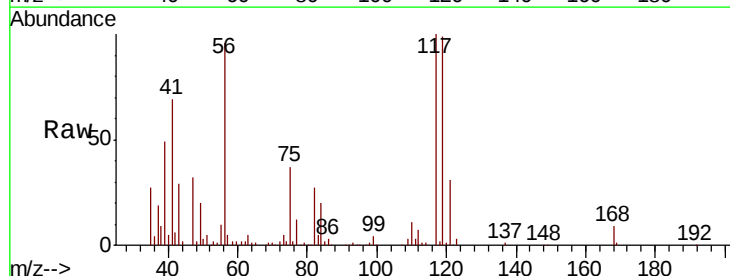
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

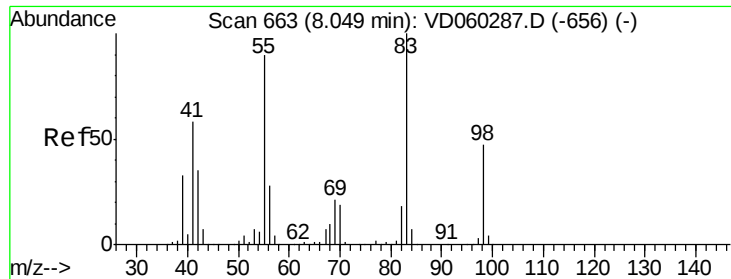
Tot Ion: 43 Resp: 226119
Ion Ratio Lower Upper
43 100
61 14.3 11.8 17.6
70 7.1 6.2 9.4



#38
Carbon Tetrachloride
Concen: 20.607 ug/l
RT: 6.49 min Scan# 505
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Tgt Ion: 117 Resp: 480512
Ion Ratio Lower Upper
117 100
119 99.2 76.6 115.0
121 31.0 24.3 36.5

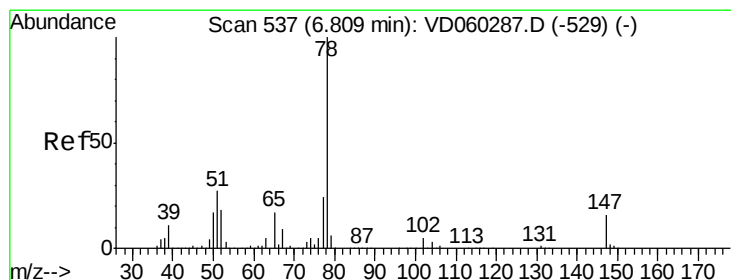
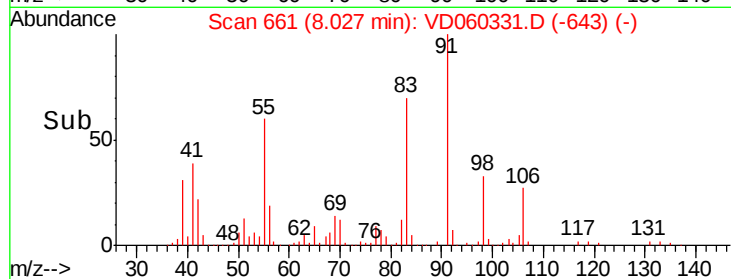
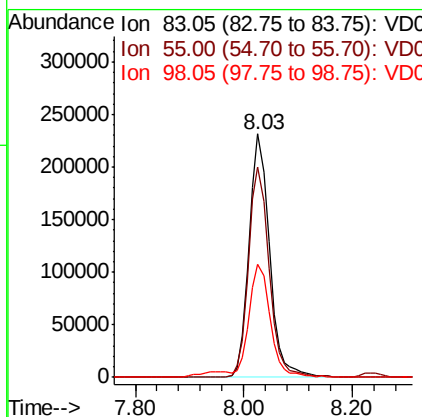
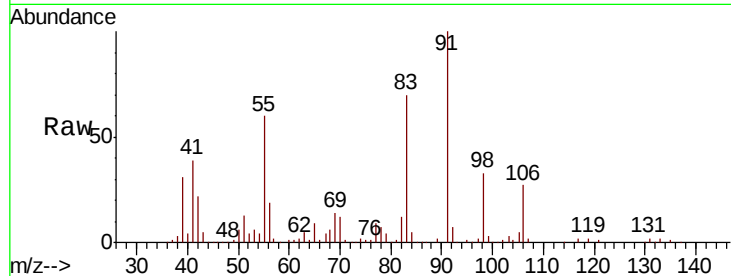




#39
Methylvlcyclohexane
Concen: 21.028 ug/l
RT: 8.03 min Scan# 661
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

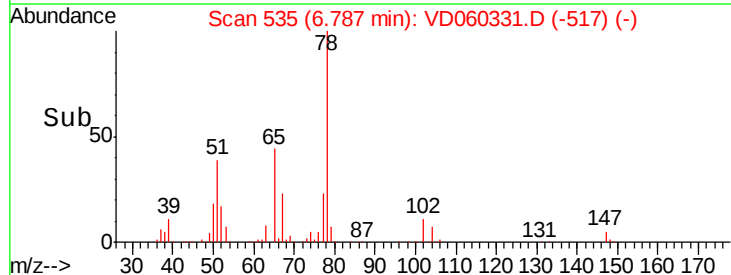
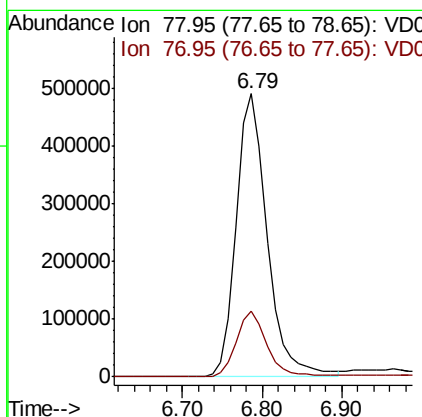
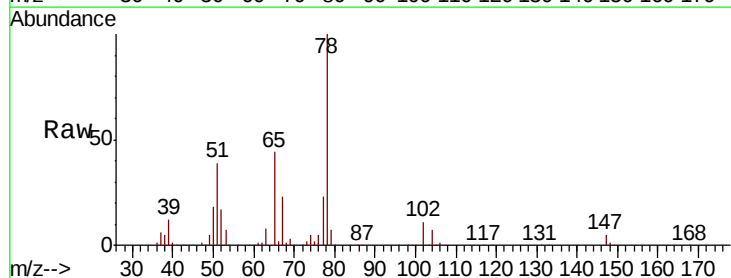
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

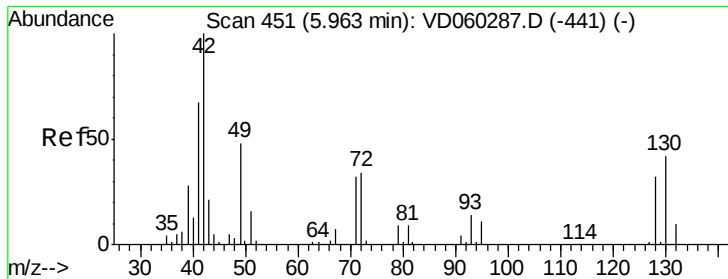
Tot Ion: 83 Resp: 607938
Ion Ratio Lower Upper
83 100
55 86.2 71.2 106.8
98 46.6 38.4 57.6



#40
Benzene
Concen: 20.750 ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Tgt Ion: 78 Resp: 1331453
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2





#41

Methacrylonitrile

Concen: 19.427 ug/l

RT: 5.94 min Scan# 449

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 41 Resp: 257197

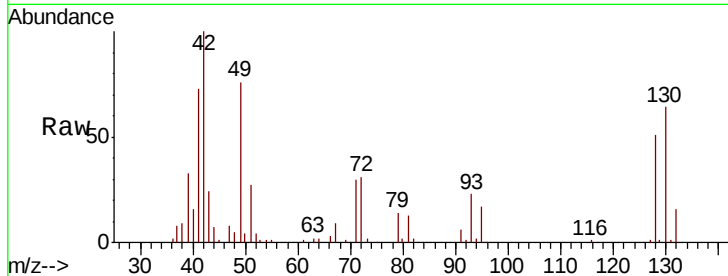
Ion Ratio Lower Upper

41 100

39 45.1 36.2 54.2

67 12.7 11.9 17.9

52 5.5 5.2 7.8

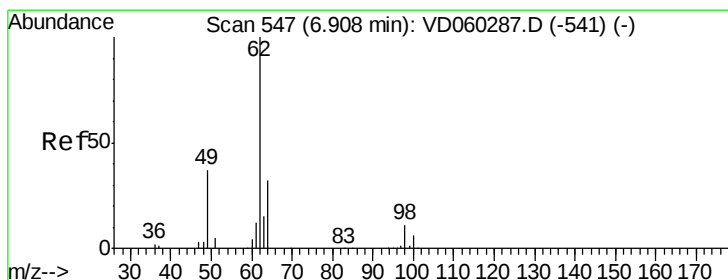
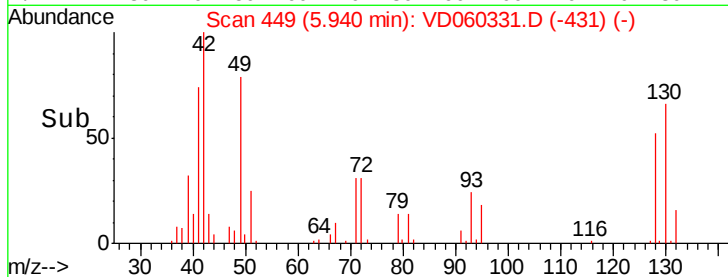
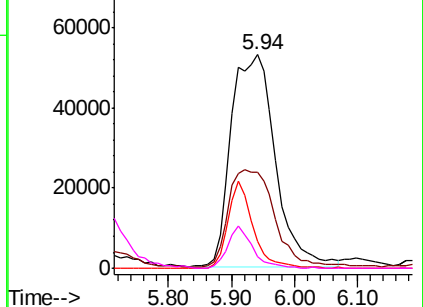


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.907 ug/l

RT: 6.89 min Scan# 545

Delta R.T. -0.02 min

Lab File: VD060331.D

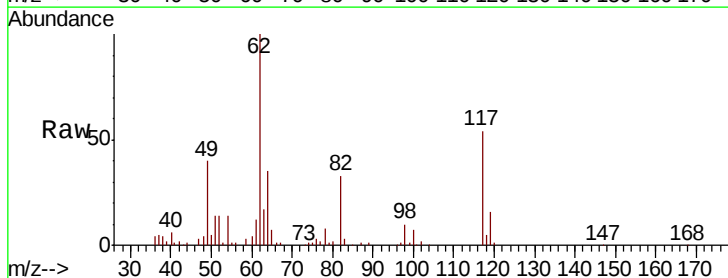
Acq: 12 Nov 2018 12:15

Tgt Ion: 62 Resp: 351125

Ion Ratio Lower Upper

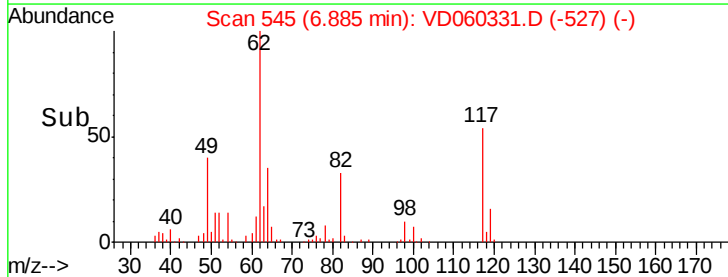
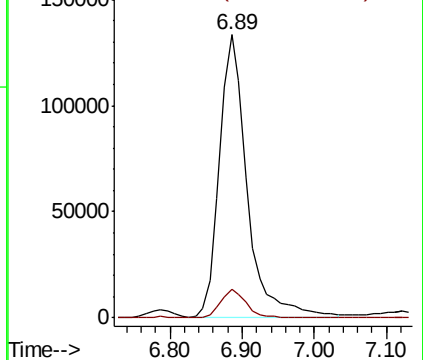
62 100

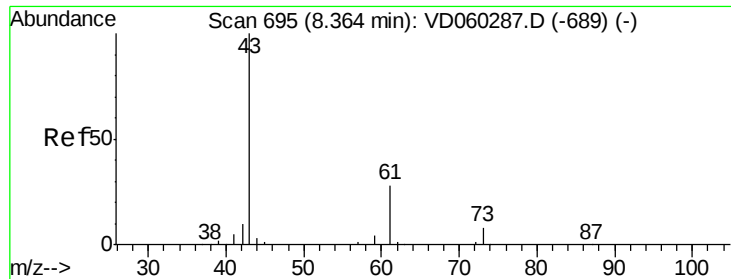
98 10.0 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 18.384 ug/l

RT: 8.34 min Scan# 693

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

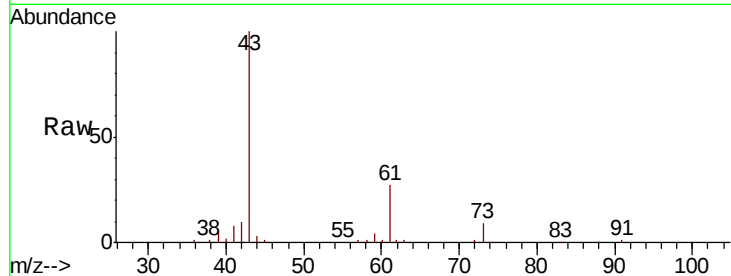
Tot Ion: 43 Resp: 267108

Ion Ratio Lower Upper

43 100

61 27.4 22.3 33.5

87 0.0 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

8.34

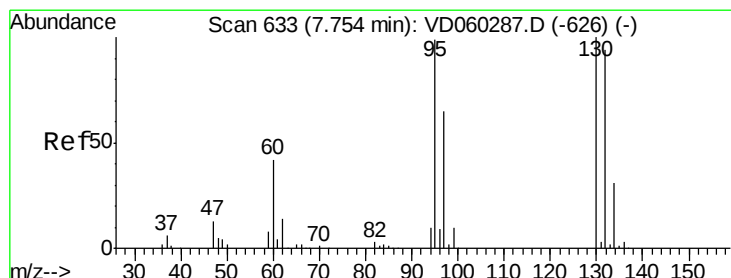
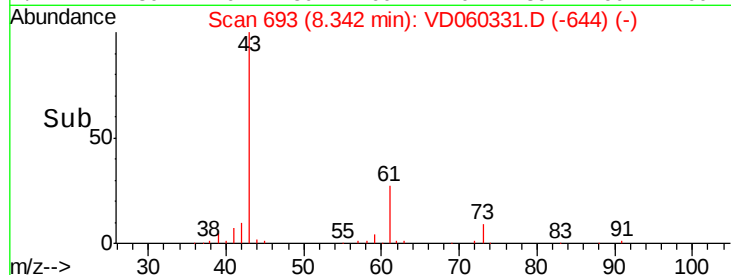
150000

100000

50000

0

Time-->



#44

Trichloroethene

Concen: 20.911 ug/l

RT: 7.73 min Scan# 631

Delta R.T. -0.02 min

Lab File: VD060331.D

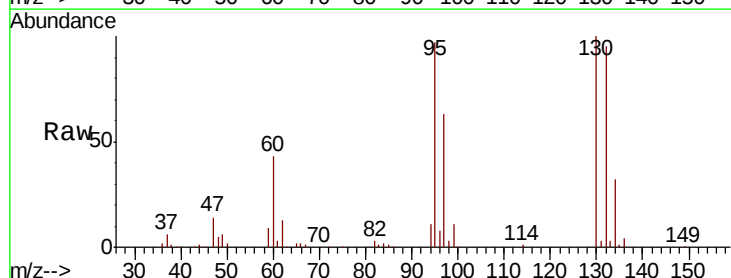
Acq: 12 Nov 2018 12:15

Tgt Ion: 130 Resp: 406728

Ion Ratio Lower Upper

130 100

95 96.9 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

200000

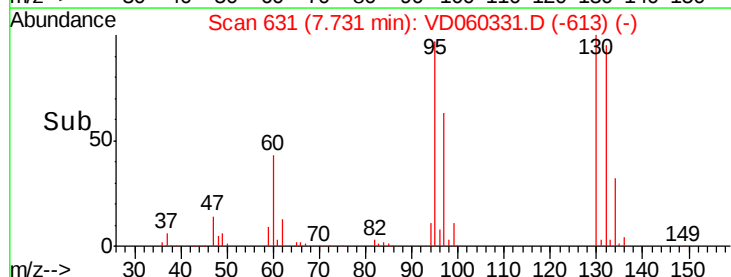
150000

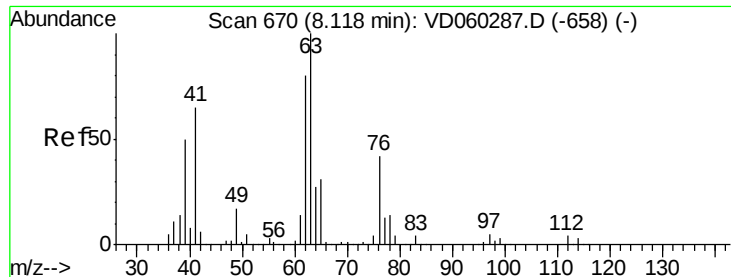
100000

50000

0

Time-->





#45

1,2-Dichloropropane

Concen: 20.552 ug/l

RT: 8.10 min Scan# 668

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

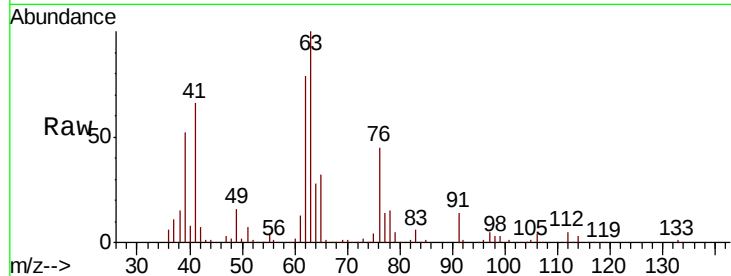
VD1112SBS01

Tot Ion: 63 Resp: 332579

Ion Ratio Lower Upper

63 100

65 31.8 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.10

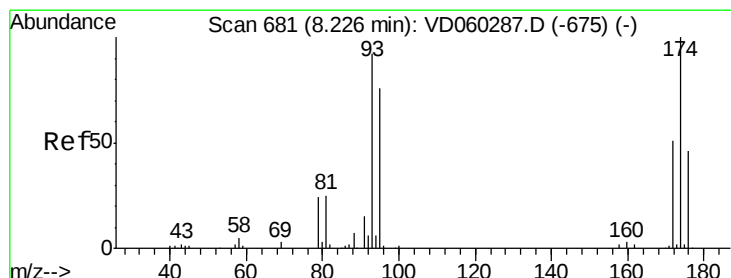
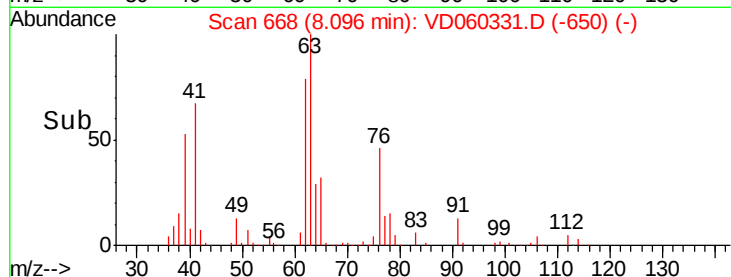
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 19.870 ug/l

RT: 8.20 min Scan# 679

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

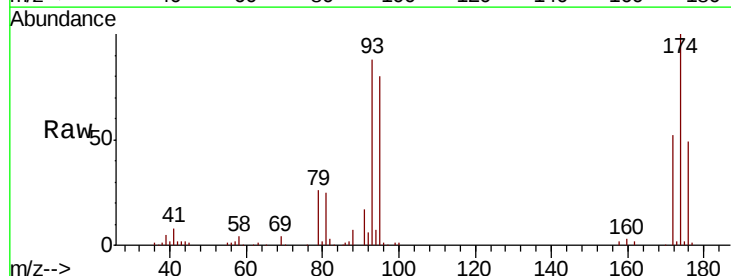
Tgt Ion: 93 Resp: 188325

Ion Ratio Lower Upper

93 100

95 91.4 66.4 99.6

174 114.0 87.8 131.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

120000

100000

80000

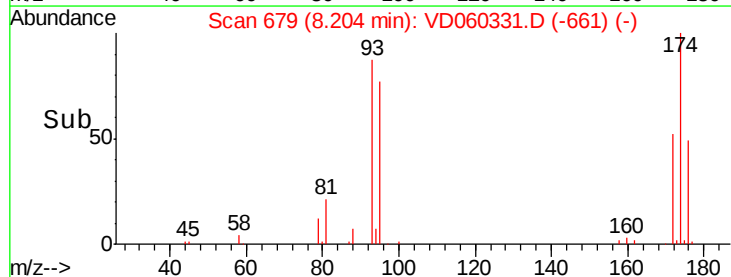
60000

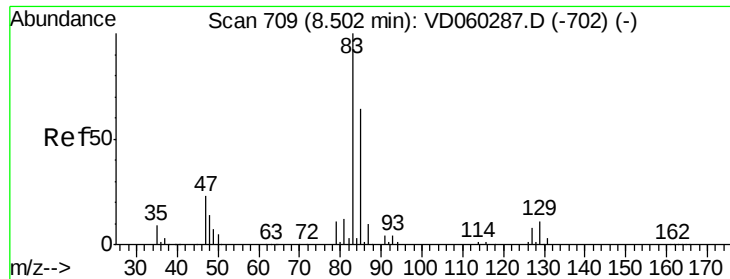
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 20.918 ug/l

RT: 8.48 min Scan# 707

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

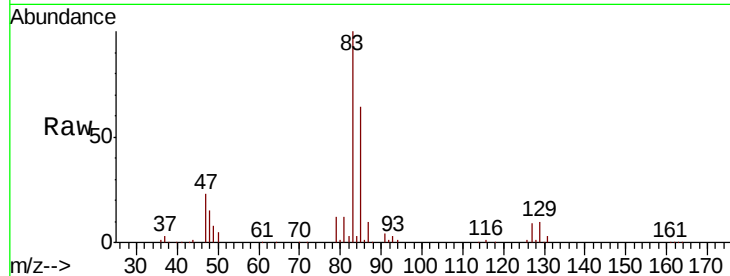
Tot Ion: 83 Resp: 467195

Ion Ratio Lower Upper

83 100

85 64.3 51.0 76.6

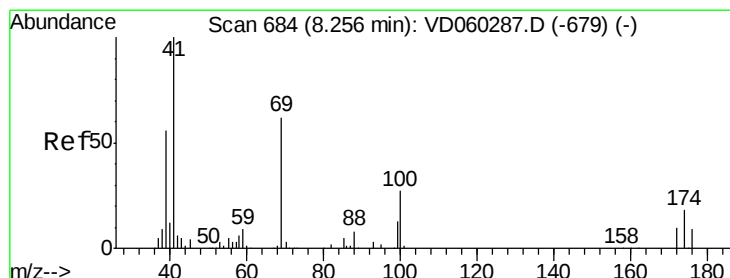
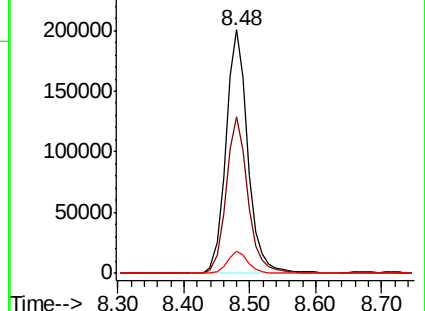
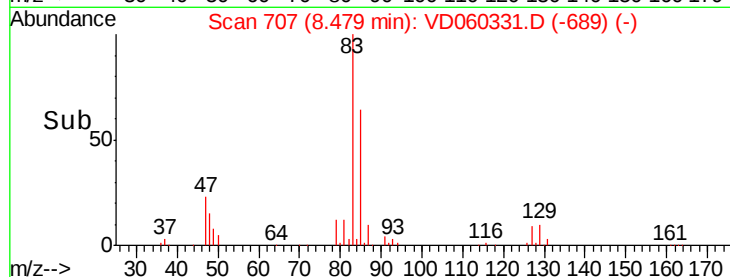
127 9.0 6.2 9.4



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 18.720 ug/l

RT: 8.23 min Scan# 682

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

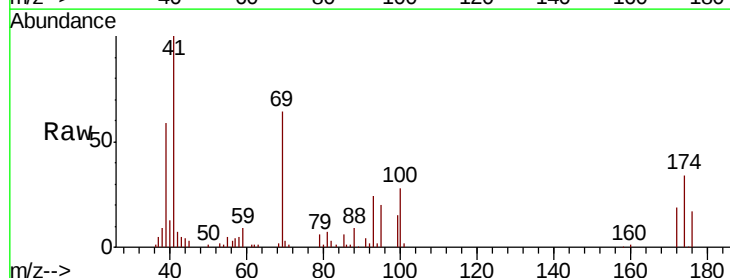
Tgt Ion: 41 Resp: 165215

Ion Ratio Lower Upper

41 100

69 64.3 47.0 70.4

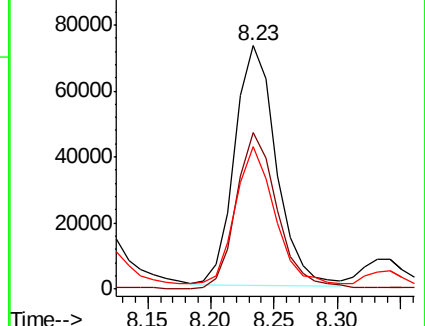
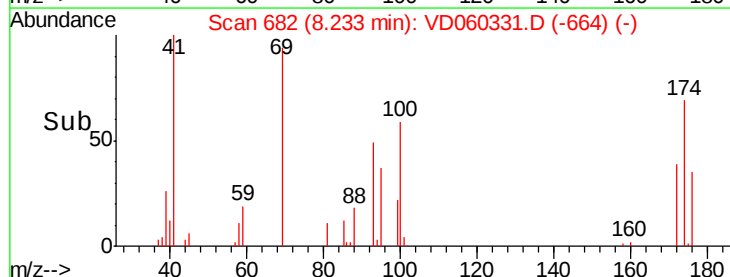
39 58.7 46.2 69.4

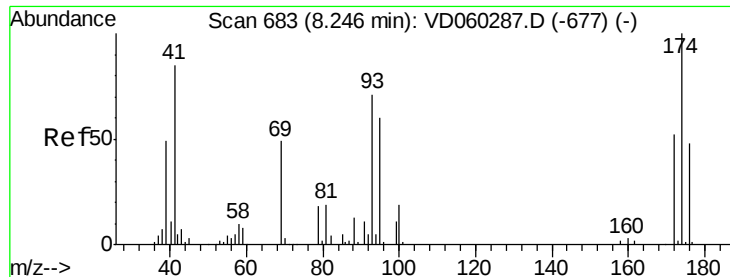


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 395.039 ug/l

RT: 8.21 min Scan# 680

Delta R.T. -0.03 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

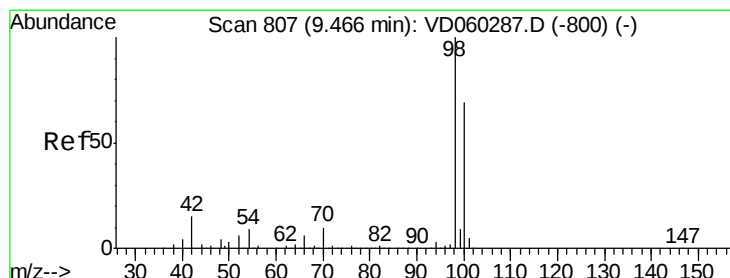
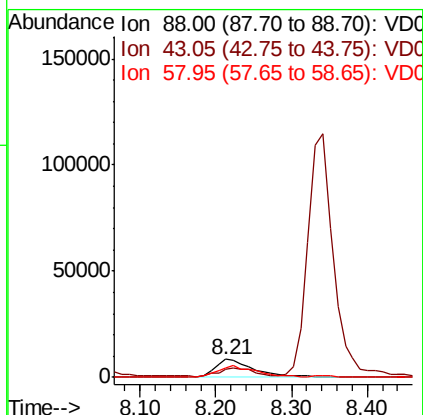
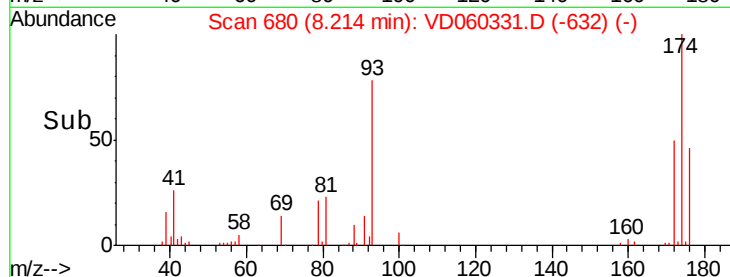
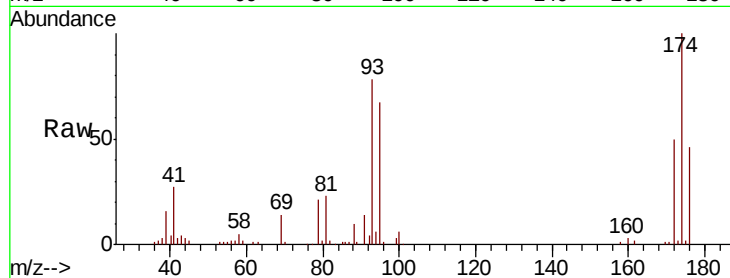
Tot Ion: 88 Resp: 30166

Ion Ratio Lower Upper

88 100

43 45.5 39.7 59.5

58 53.8 60.2 90.2#



#50

Toluene-d8

Concen: 395.039 ug/l

RT: 9.44 min Scan# 805

Delta R.T. -0.02 min

Lab File: VD060331.D

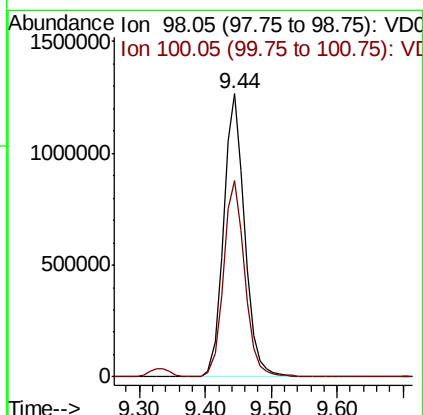
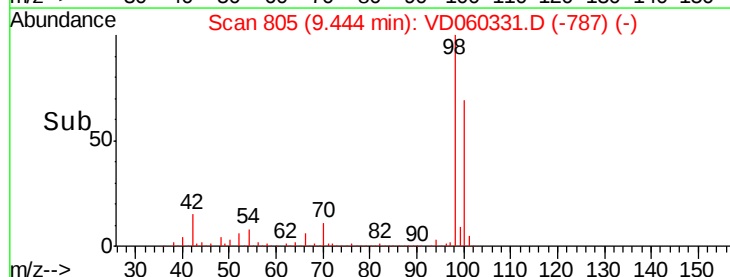
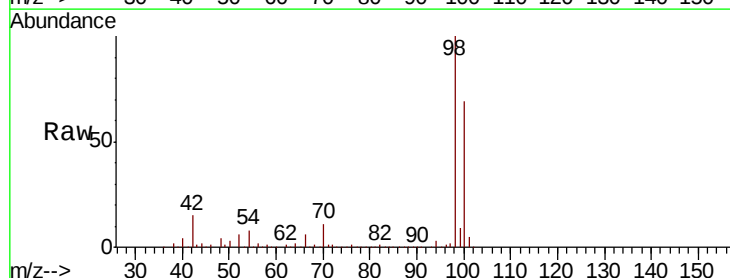
Acq: 12 Nov 2018 12:15

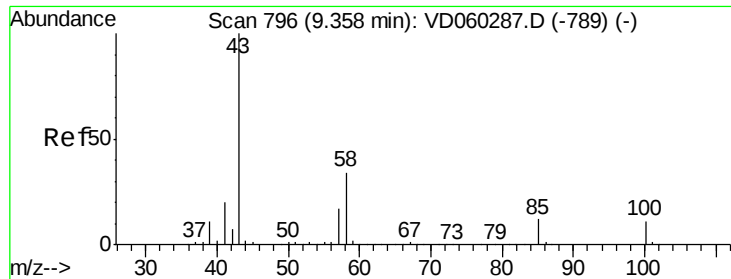
Tgt Ion: 98 Resp: 2838391

Ion Ratio Lower Upper

98 100

100 69.1 55.2 82.8





#51

4-Methyl-2-Pentanone

Concen: 96.335 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

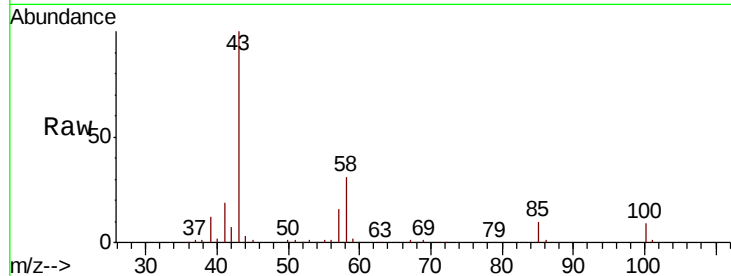
VD1112SBS01

Tot Ion: 43 Resp: 911017

Ion Ratio Lower Upper

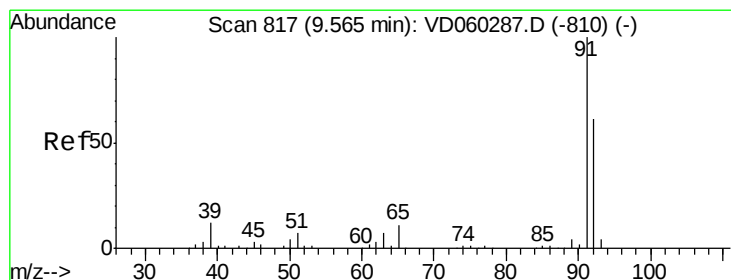
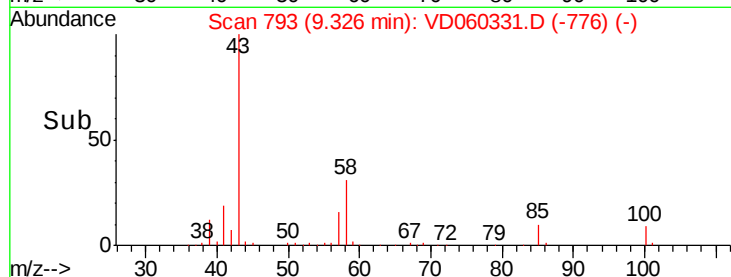
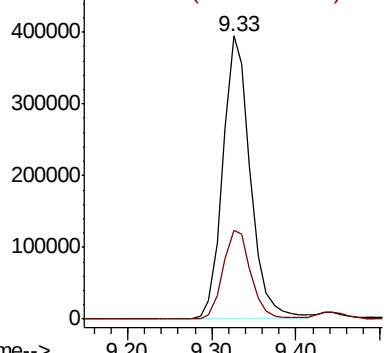
43 100

58 31.2 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.843 ug/l

RT: 9.53 min Scan# 814

Delta R.T. -0.03 min

Lab File: VD060331.D

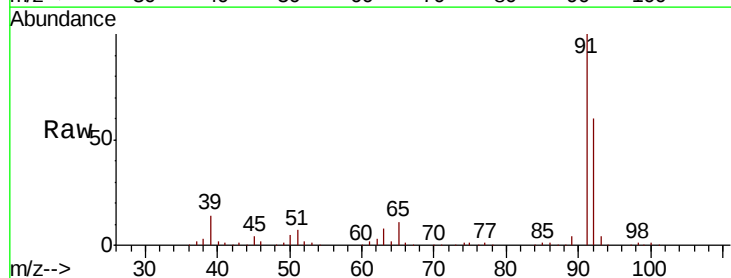
Acq: 12 Nov 2018 12:15

Tgt Ion: 92 Resp: 854300

Ion Ratio Lower Upper

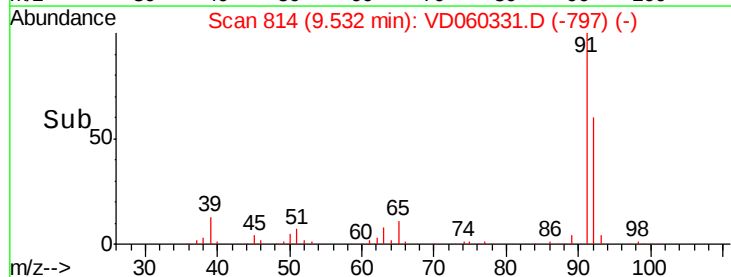
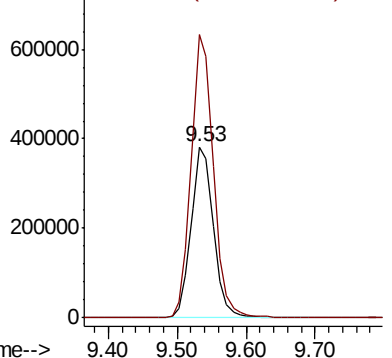
92 100

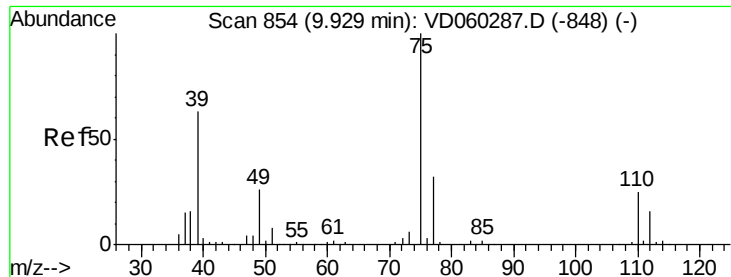
91 165.6 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

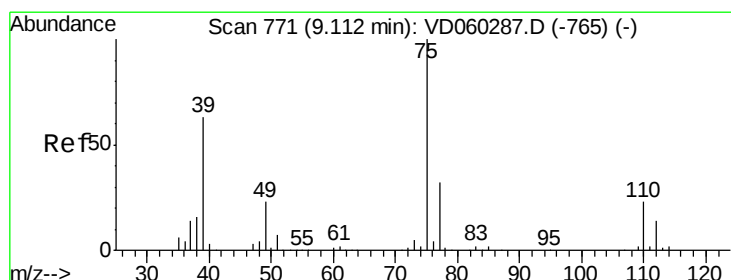
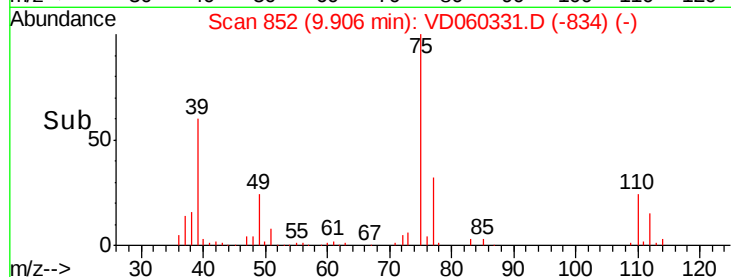
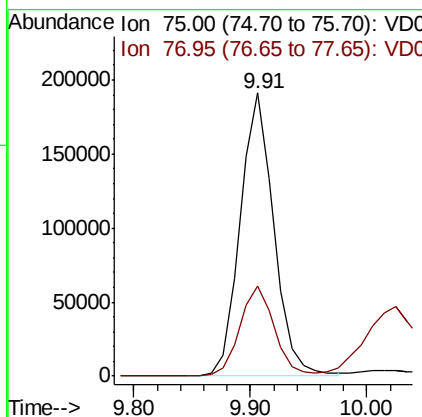
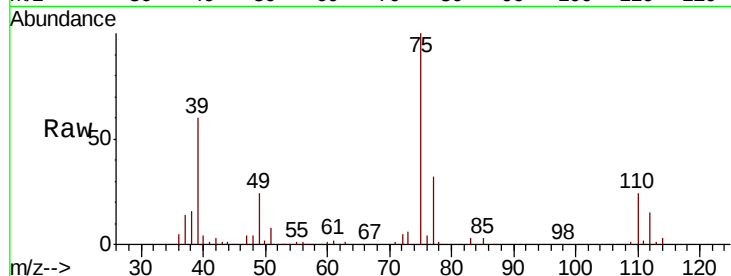




#53
t-1,3-Dichloropropene
Concen: 20.234 ug/l
RT: 9.91 min Scan# 852
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

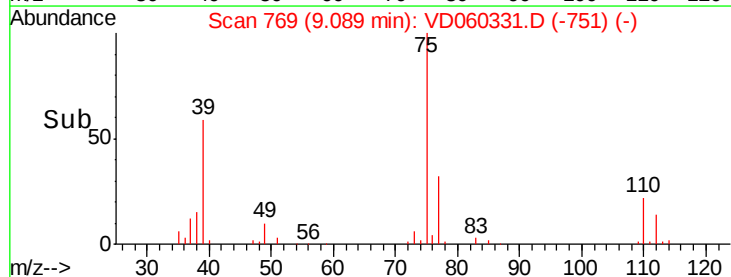
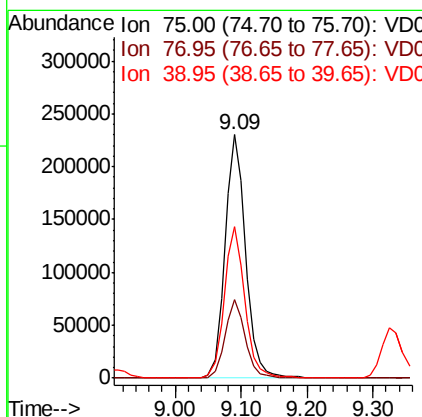
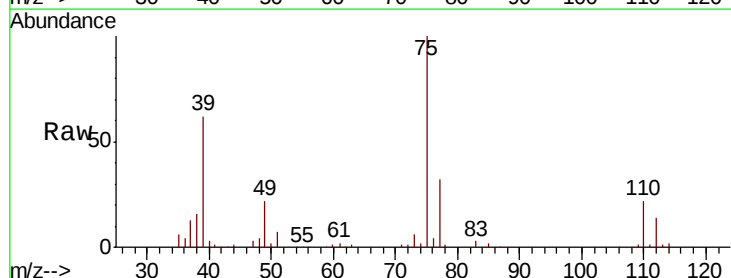
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

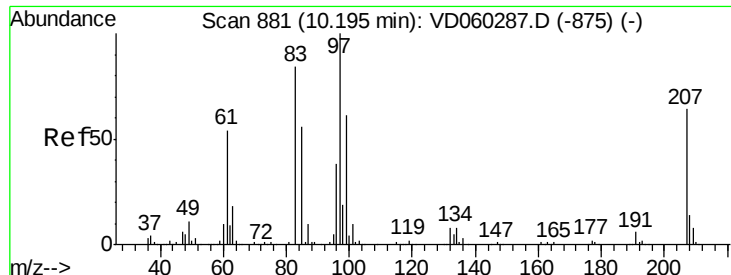
Tot Ion: 75 Resp: 381837
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 20.824 ug/l
RT: 9.09 min Scan# 769
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Tgt Ion: 75 Resp: 504010
Ion Ratio Lower Upper
75 100
77 32.0 26.3 39.5
39 62.2 50.8 76.2





#55

1,1,2-Trichloroethane

Concen: 19.309 ug/l

RT: 10.17 min Scan# 879

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 97 Resp: 229388

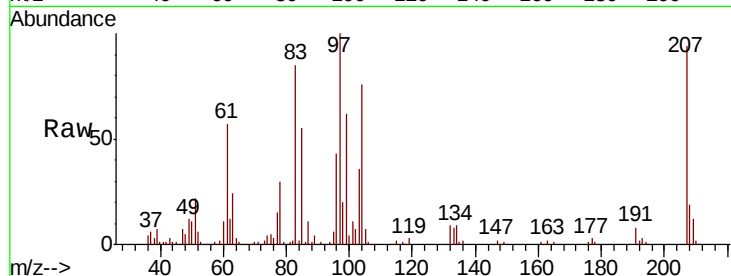
Ion Ratio Lower Upper

97 100

83 84.6 68.4 102.6

85 54.9 46.8 70.2

99 61.9 49.5 74.3



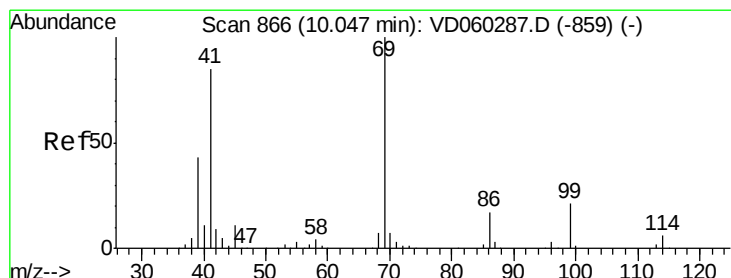
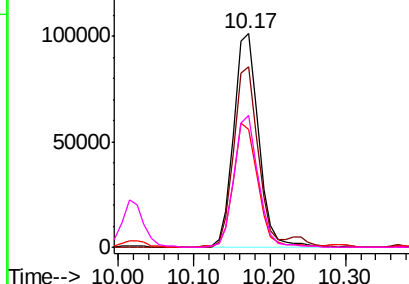
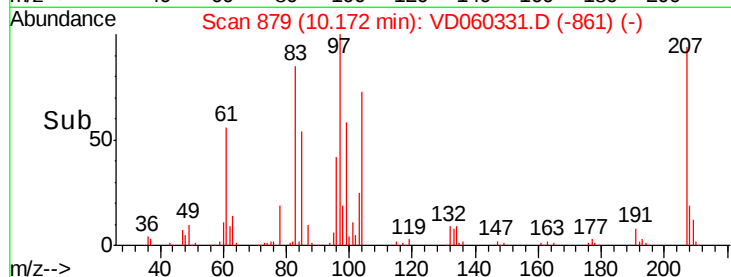
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 19.870 ug/l

RT: 10.01 min Scan# 863

Delta R.T. -0.03 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

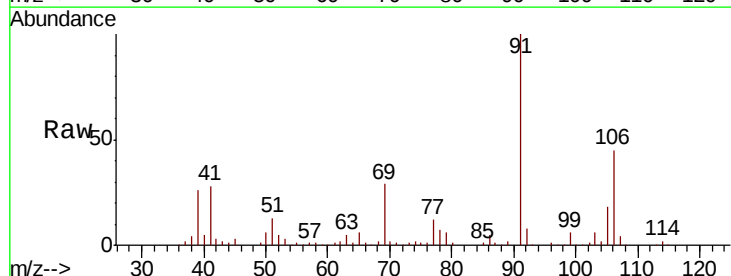
Tgt Ion: 69 Resp: 217036

Ion Ratio Lower Upper

69 100

41 94.5 69.0 103.4

39 88.5 36.6 54.8#

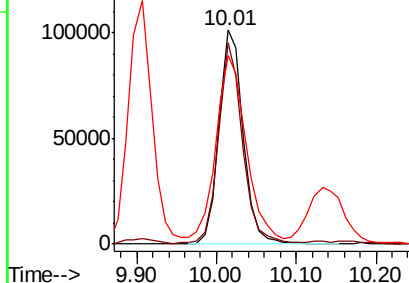
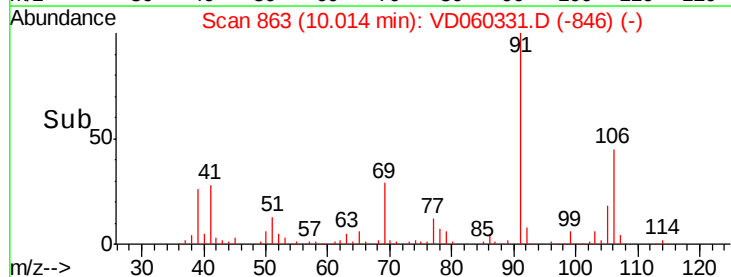


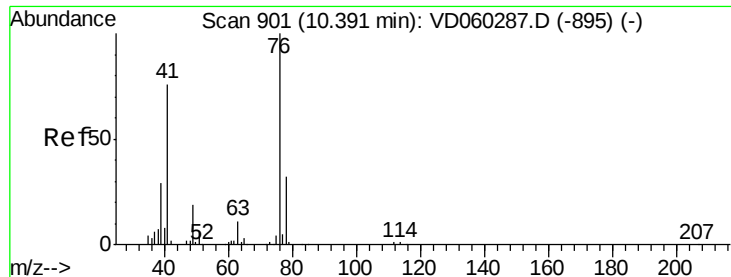
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.757 ug/l

RT: 10.37 min Scan# 899

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

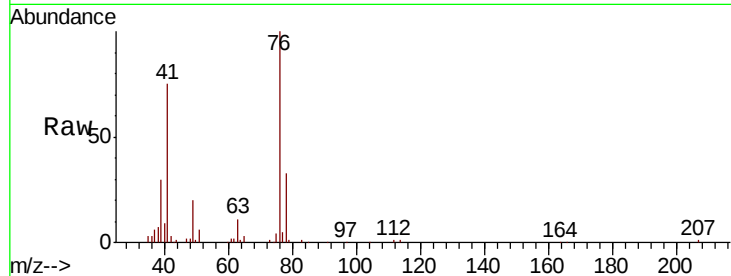
VD1112SBS01

Tot Ion: 76 Resp: 357633

Ion Ratio Lower Upper

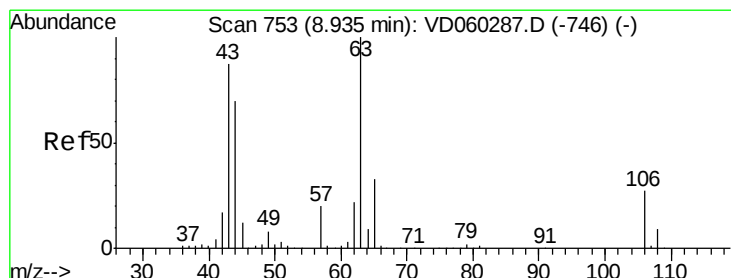
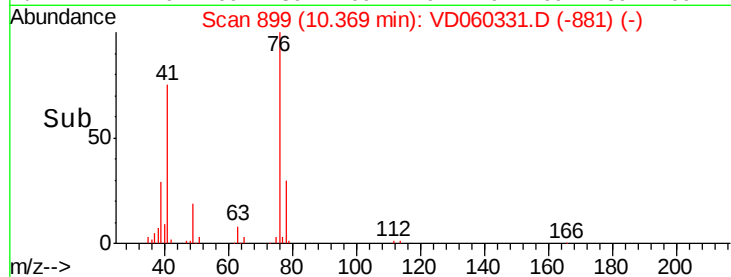
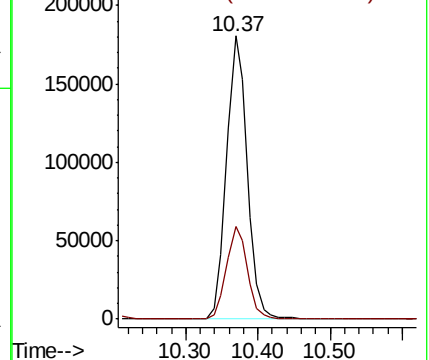
76 100

78 33.0 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 104.681 ug/l

RT: 8.91 min Scan# 751

Delta R.T. -0.02 min

Lab File: VD060331.D

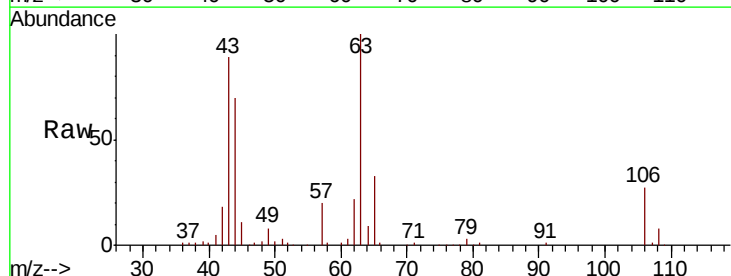
Acq: 12 Nov 2018 12:15

Tgt Ion: 63 Resp: 691364

Ion Ratio Lower Upper

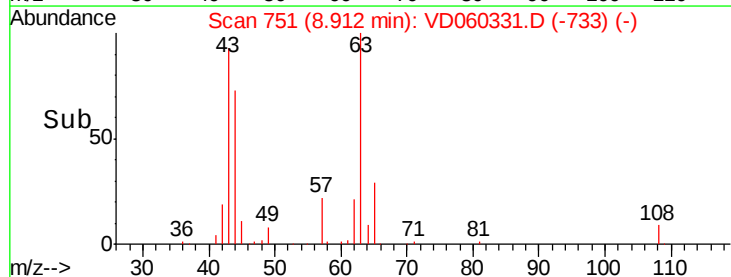
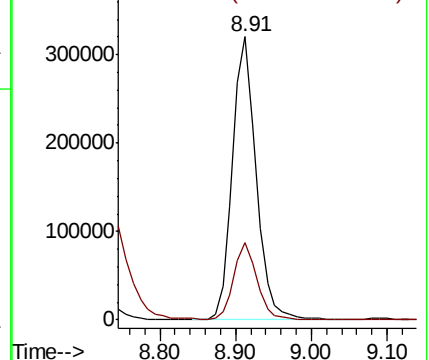
63 100

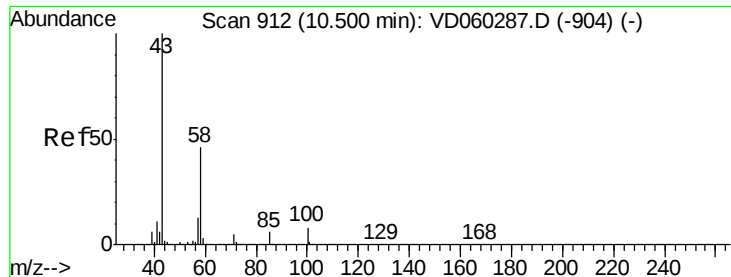
106 27.3 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

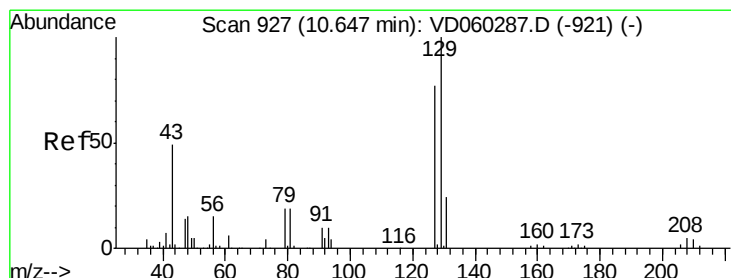
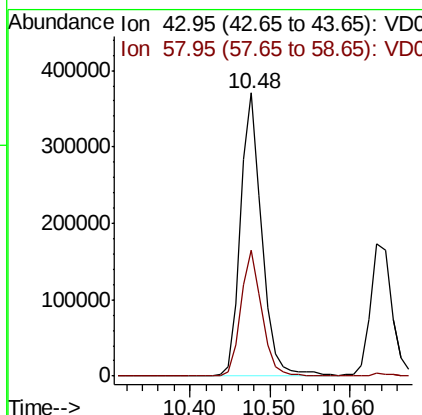
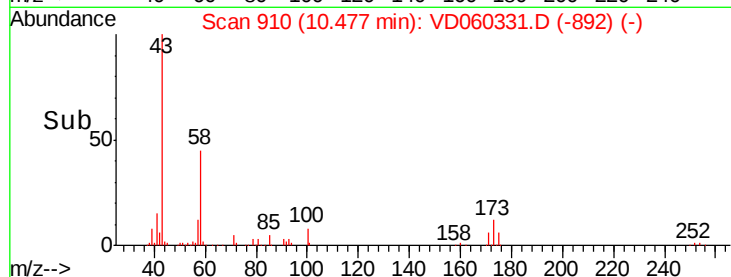
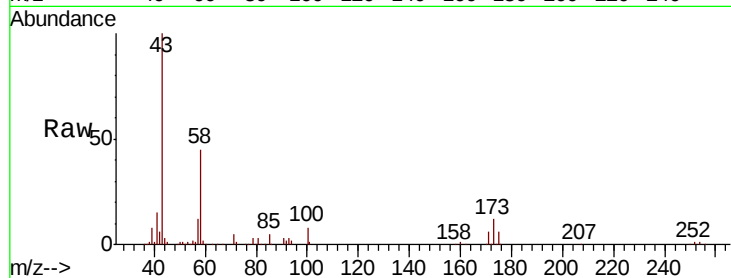




#59
2-Hexanone
Concen: 101.546 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

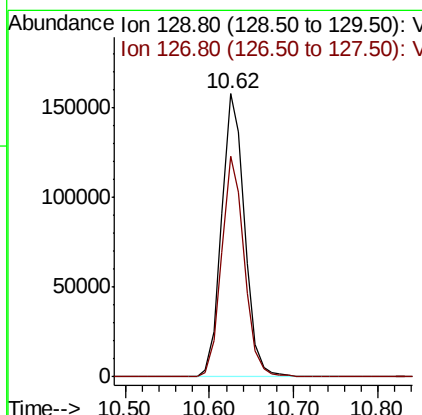
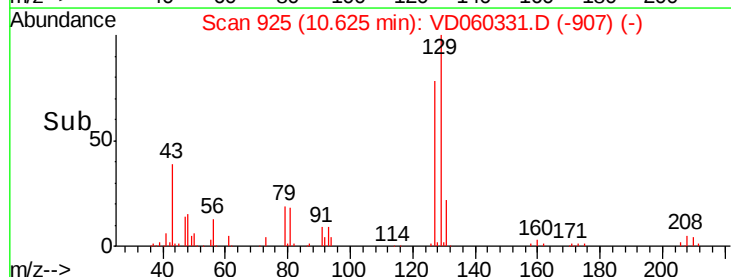
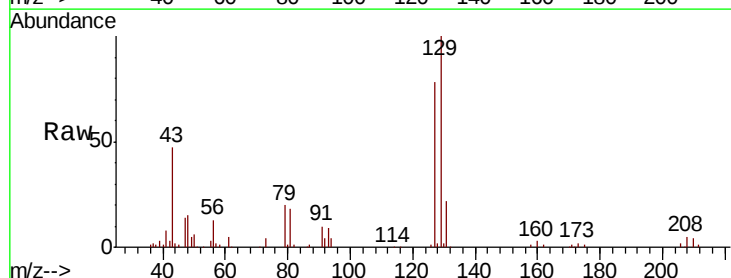
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

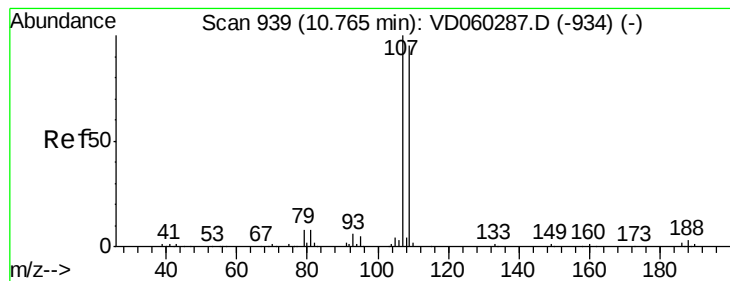
Tot Ion: 43 Resp: 684444
Ion Ratio Lower Upper
43 100
58 44.7 22.9 68.5



#60
Dibromochloromethane
Concen: 20.694 ug/l
RT: 10.62 min Scan# 925
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Tgt Ion: 129 Resp: 298842
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.037 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

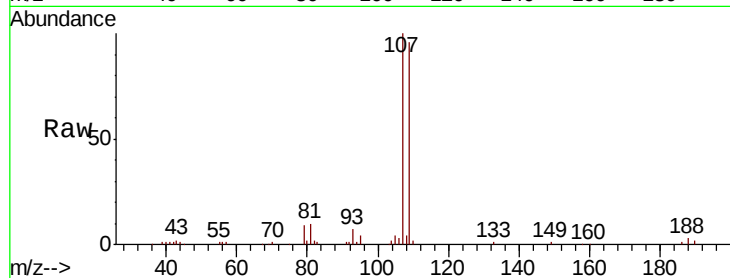
VD1112SBS01

Tot Ion:107 Resp: 226590

Ion Ratio Lower Upper

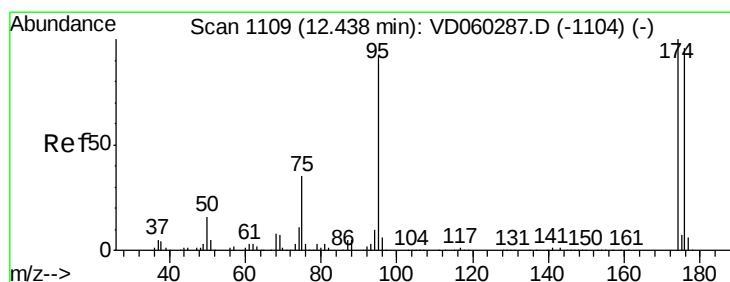
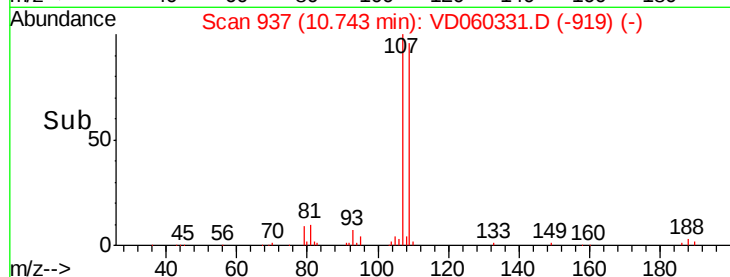
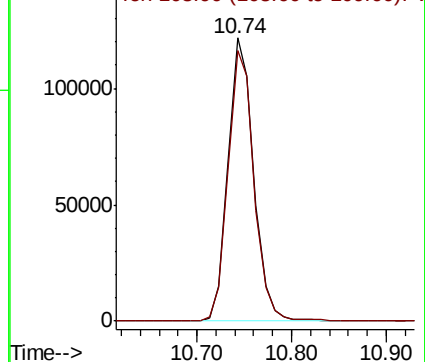
107 100

109 95.7 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.037 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

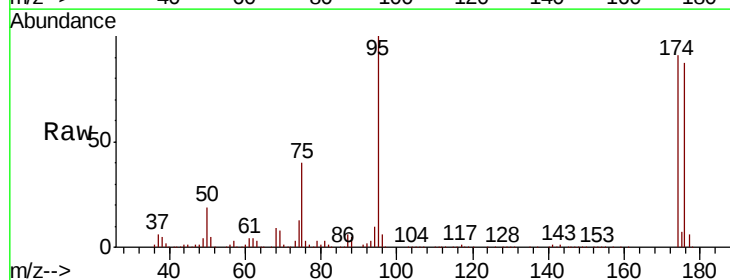
Tgt Ion: 95 Resp: 1013917

Ion Ratio Lower Upper

95 100

174 90.6 0.0 160.8

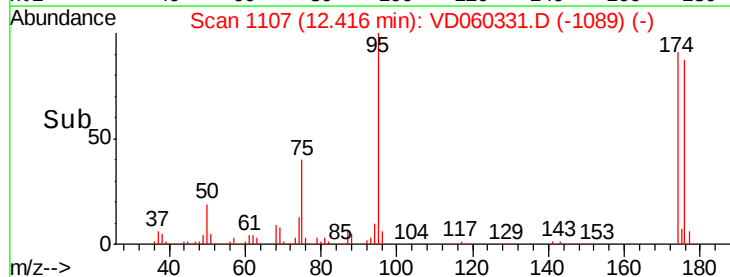
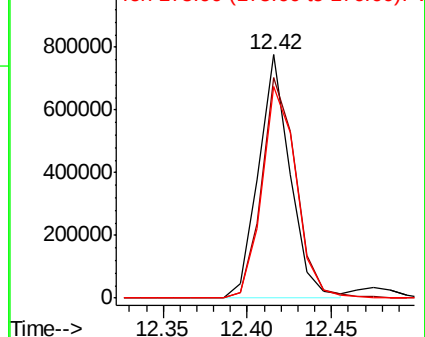
176 87.0 0.0 154.6

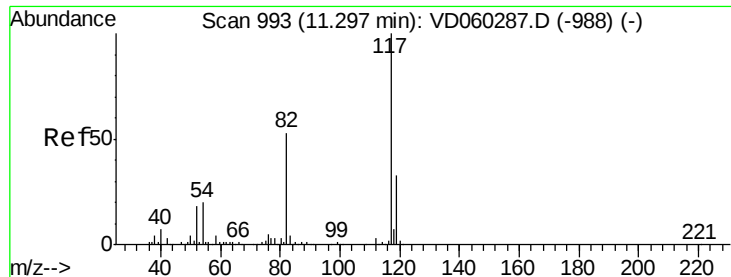


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

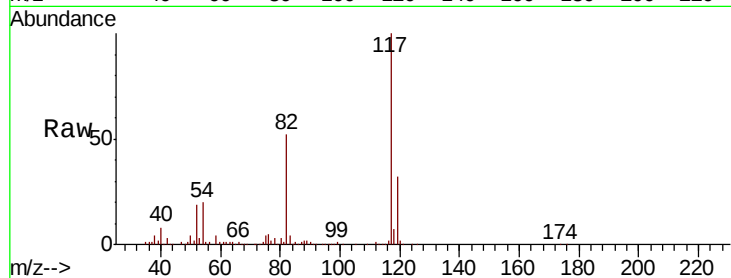




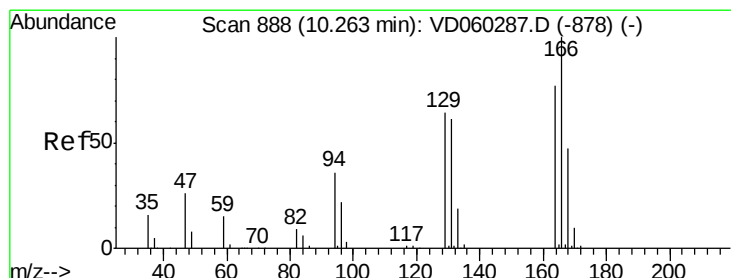
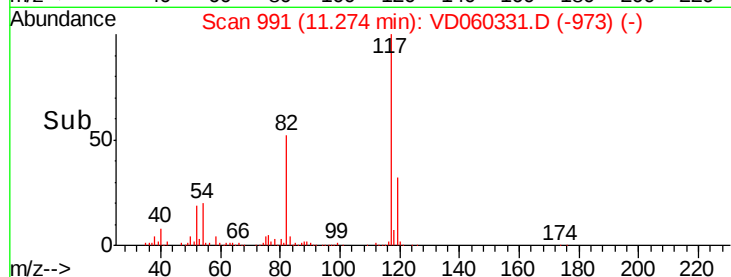
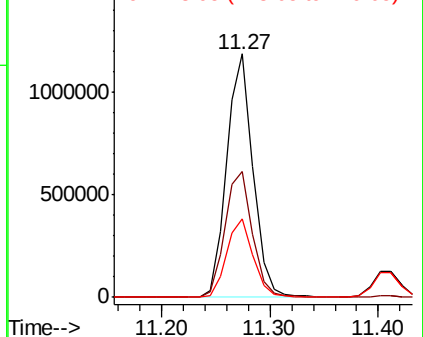
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion:117 Resp: 2006337
Ion Ratio Lower Upper
117 100
82 51.6 43.7 65.5
119 32.2 26.1 39.1

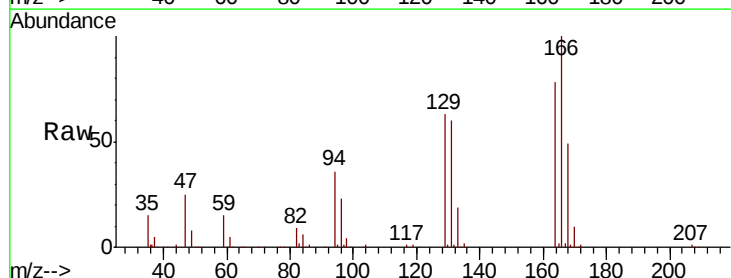


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

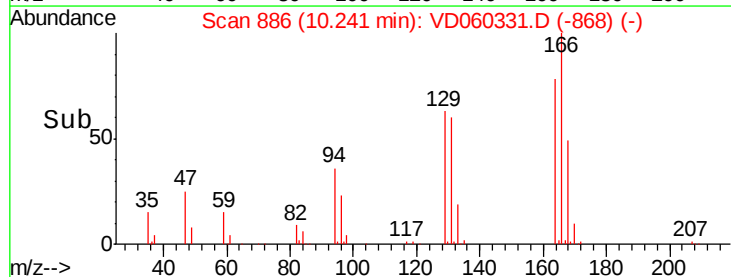
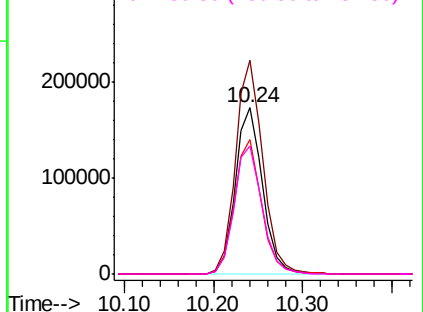


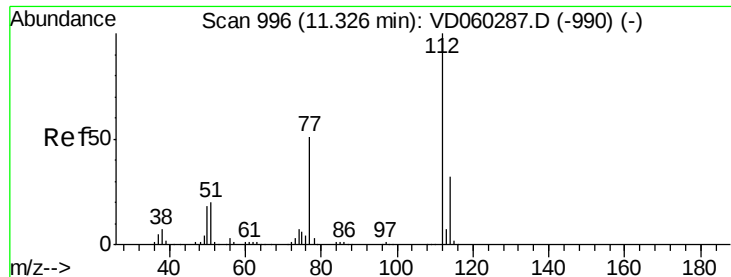
#64
Tetrachloroethene
Concen: 20.533 ug/l
RT: 10.24 min Scan# 886
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Tgt Ion:164 Resp: 367777
Ion Ratio Lower Upper
164 100
166 128.8 103.7 155.5
129 81.4 65.6 98.4
131 77.2 64.4 96.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

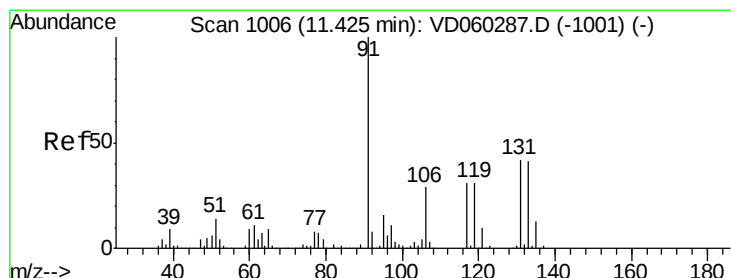
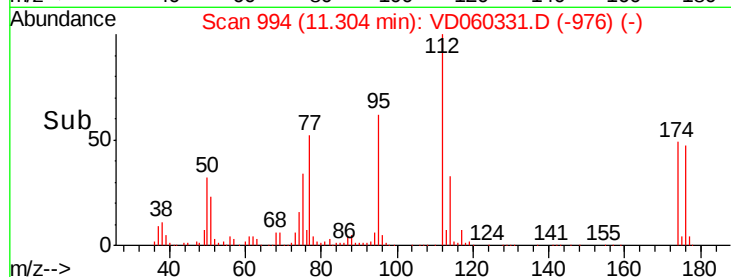
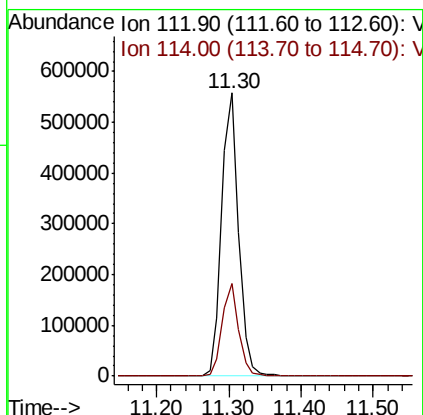
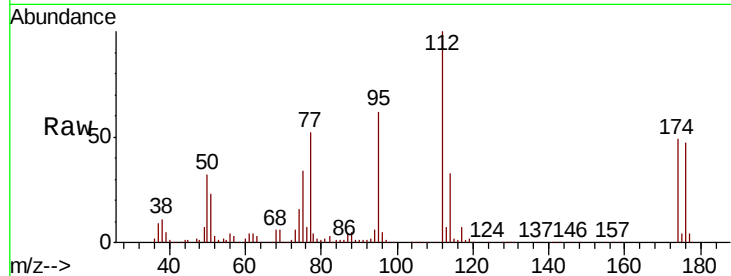




#65
Chlorobenzene
Concen: 20.731 ug/l
RT: 11.30 min Scan# 994
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

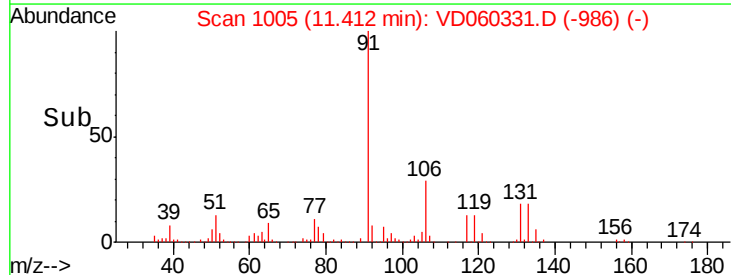
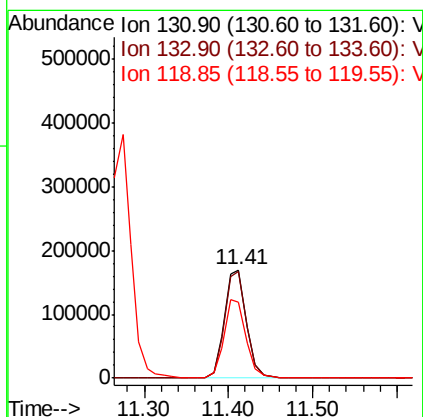
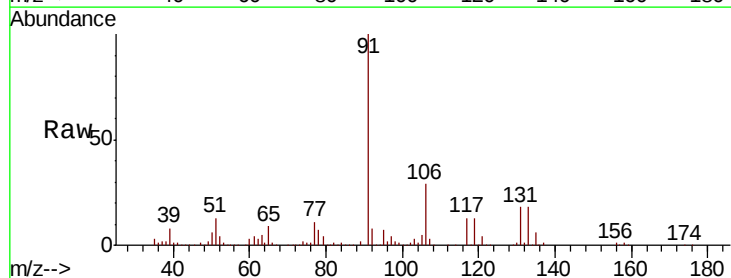
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

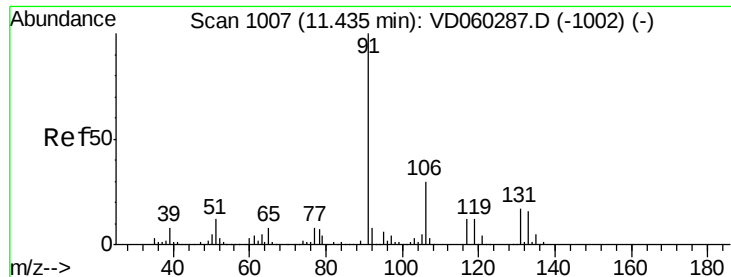
Tot Ion:112 Resp: 901201
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.442 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Tgt Ion:131 Resp: 304978
Ion Ratio Lower Upper
131 100
133 98.0 50.0 150.0
119 69.6 37.0 111.1

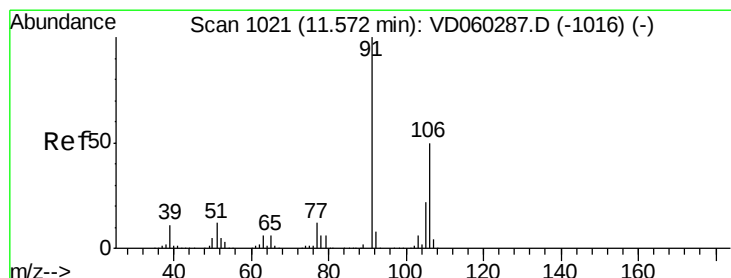
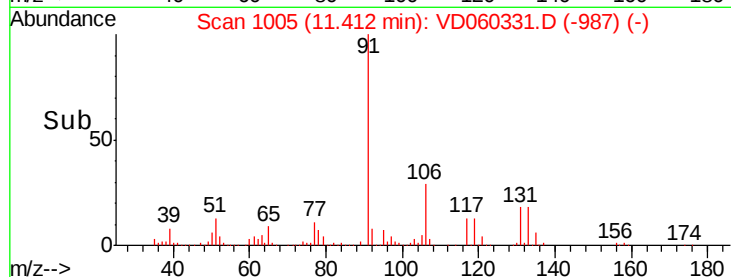
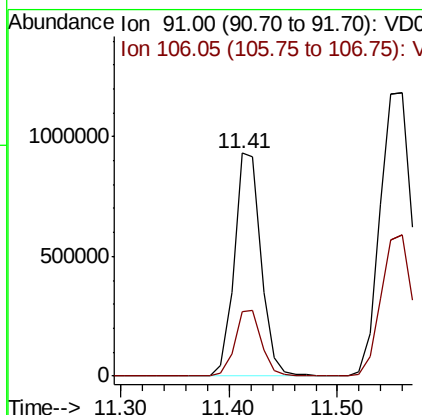
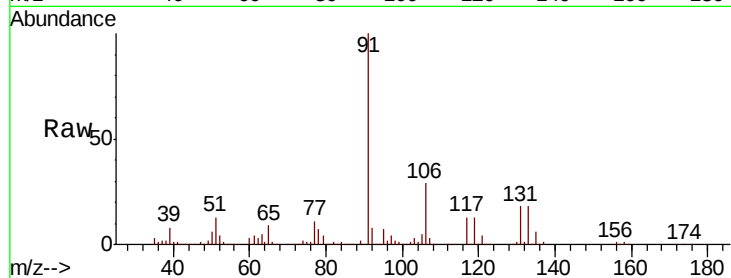




#67
Ethyl Benzene
Concen: 21.552 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

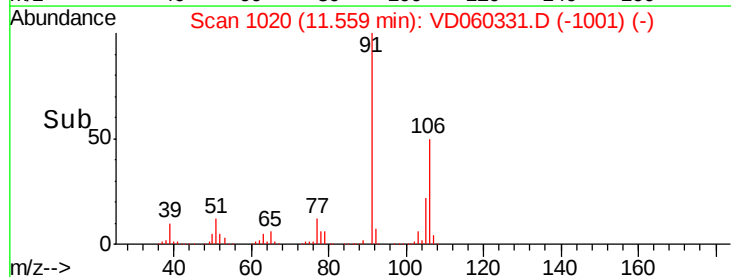
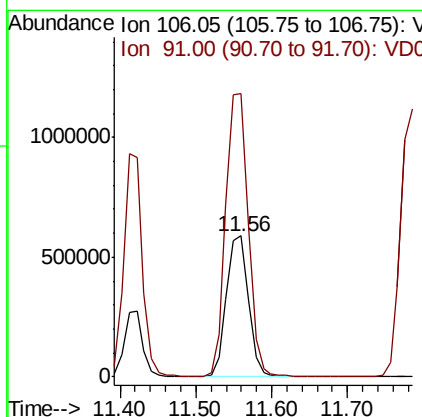
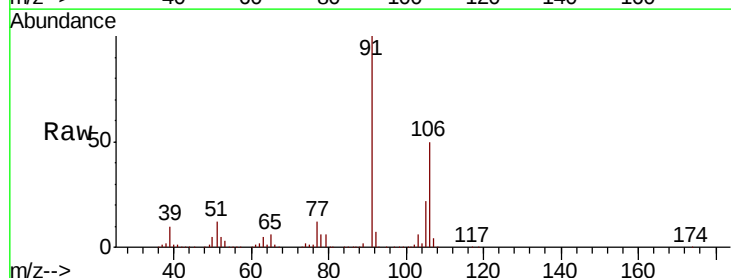
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

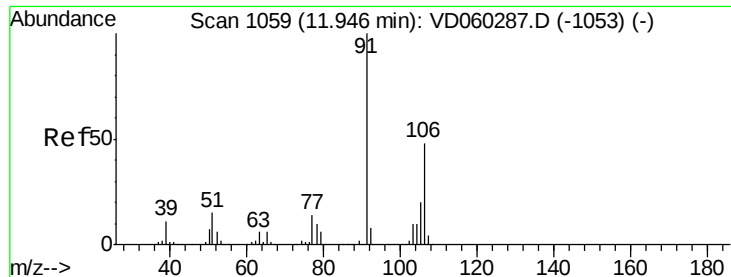
Tot Ion: 91 Resp: 1602702
Ion Ratio Lower Upper
91 100
106 29.0 24.6 36.8



#68
m/p-Xylenes
Concen: 43.174 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Tgt Ion: 106 Resp: 1184352
Ion Ratio Lower Upper
106 100
91 201.1 159.4 239.2

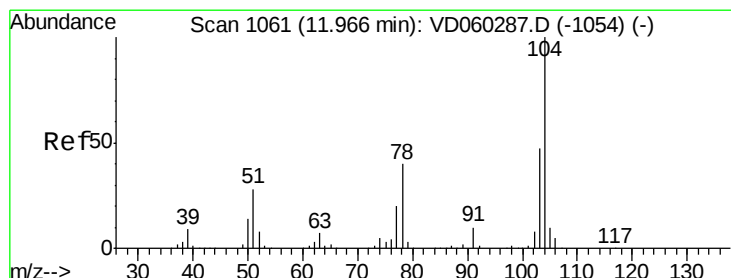
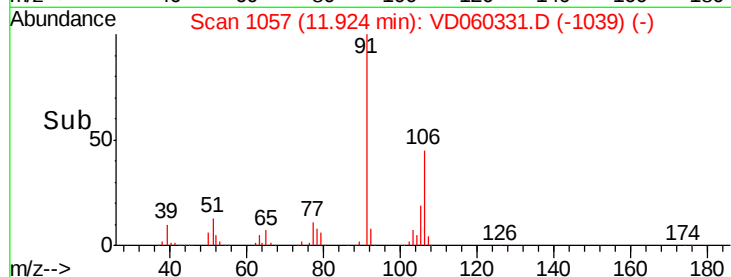
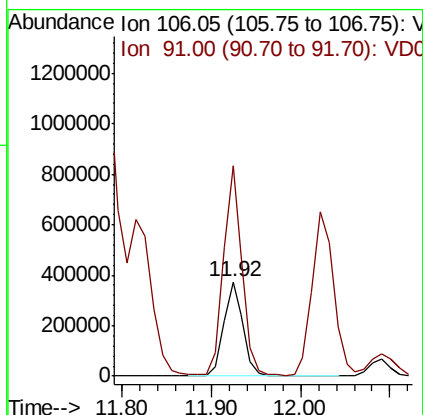
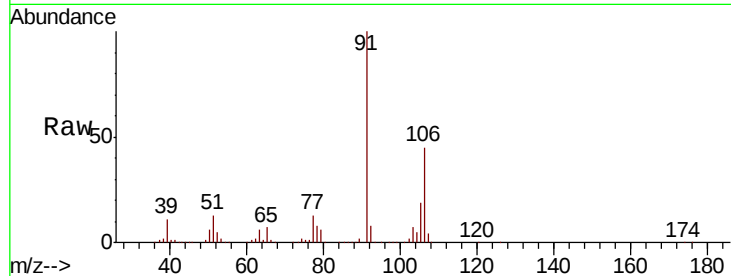




#69
o-Xylene
Concen: 21.356 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

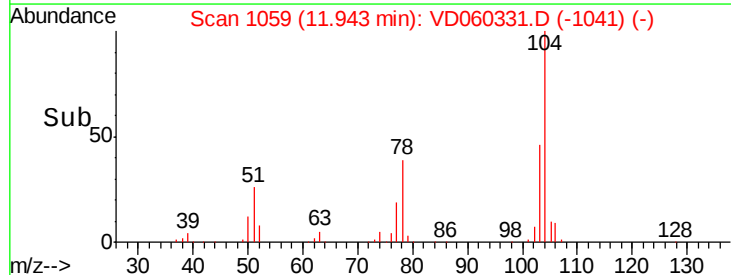
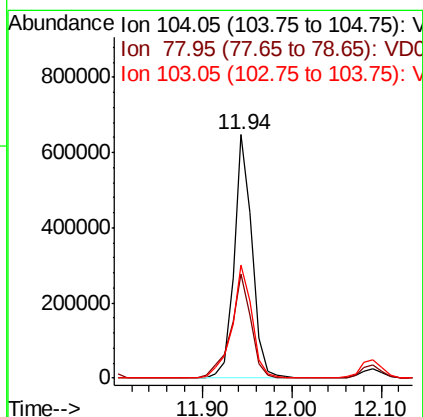
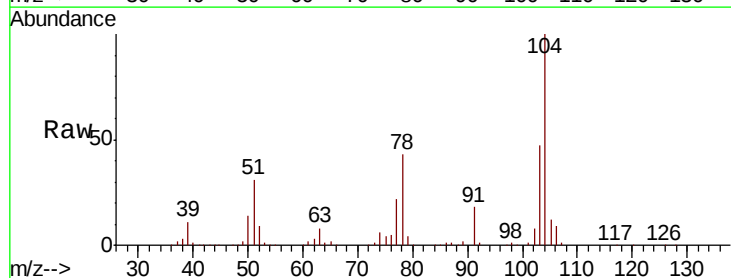
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

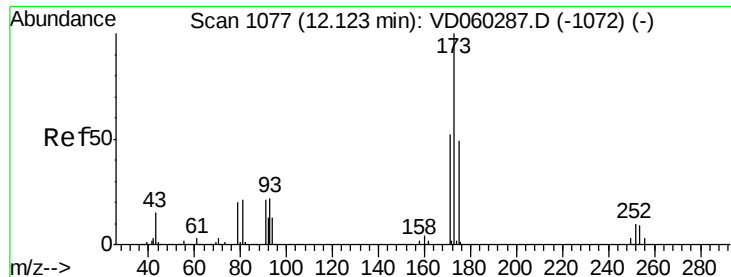
Tot Ion:106 Resp: 565970
Ion Ratio Lower Upper
106 100
91 223.3 109.2 327.6



#70
Styrene
Concen: 21.425 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Tgt Ion:104 Resp: 917627
Ion Ratio Lower Upper
104 100
78 42.7 31.6 47.4
103 46.6 37.0 55.6





#71

Bromoform

Concen: 20.151 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. -0.01 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

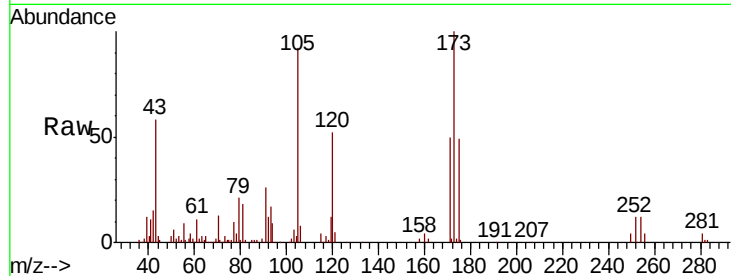
Tot Ion:173 Resp: 192602

Ion Ratio Lower Upper

173 100

175 49.0 24.3 73.0

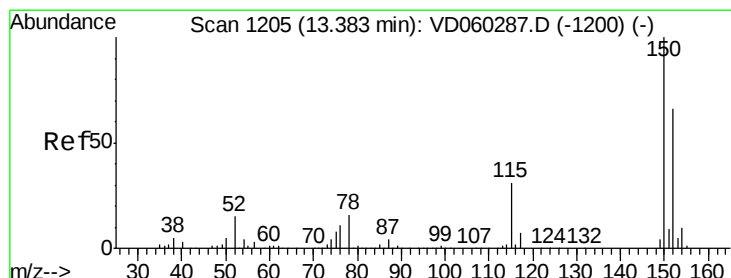
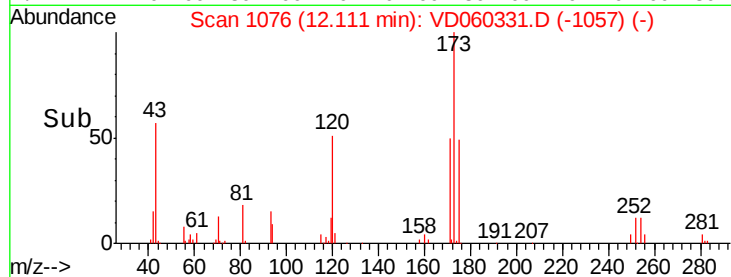
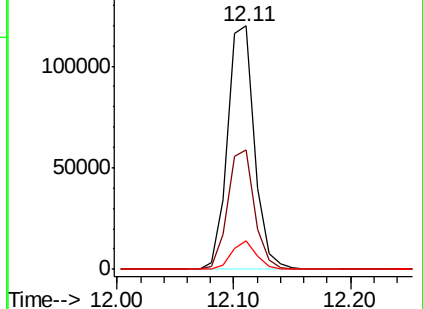
254 11.8 8.3 12.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

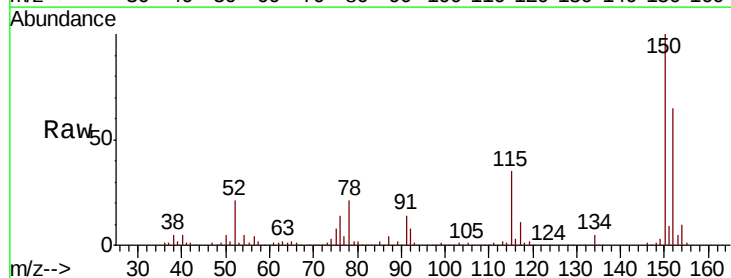
Tgt Ion:152 Resp: 1032377

Ion Ratio Lower Upper

152 100

115 54.3 24.1 72.3

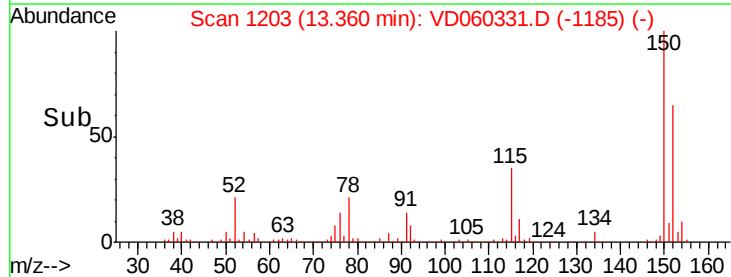
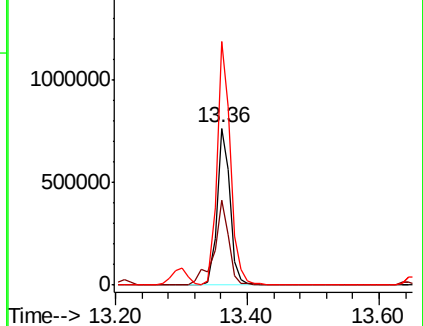
150 155.0 0.0 310.6

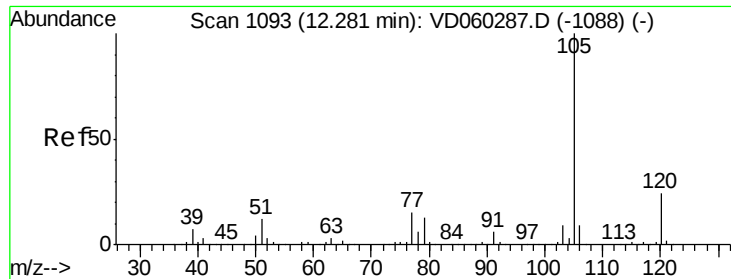


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.852 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

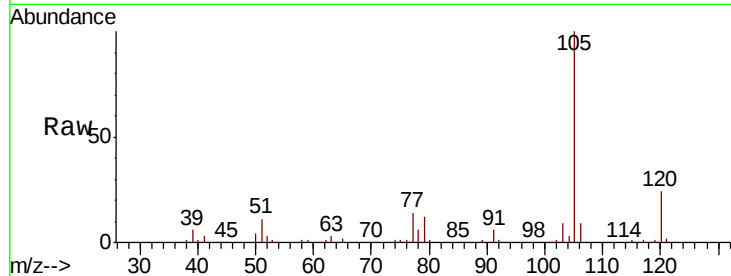
VD1112SBS01

Tot Ion:105 Resp: 1568429

Ion Ratio Lower Upper

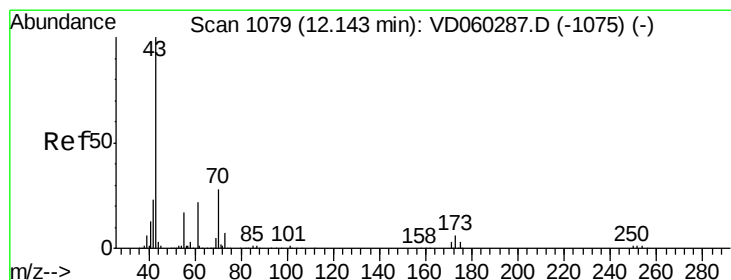
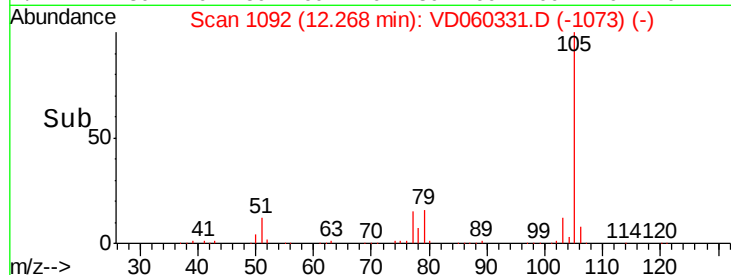
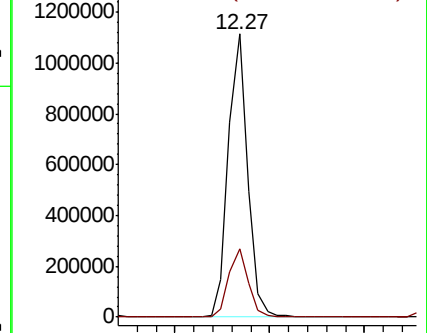
105 100

120 24.1 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.574 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Tgt Ion: 43 Resp: 377455

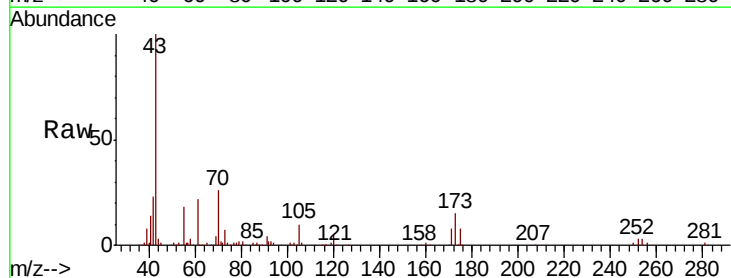
Ion Ratio Lower Upper

43 100

70 25.6 23.0 34.4

55 17.5 14.2 21.4

61 22.1 17.8 26.8

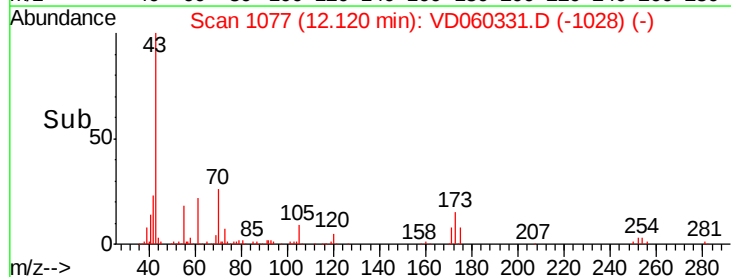
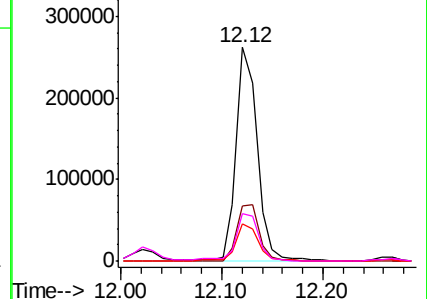


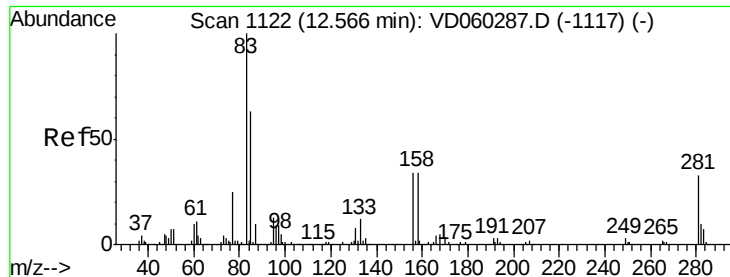
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.941 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

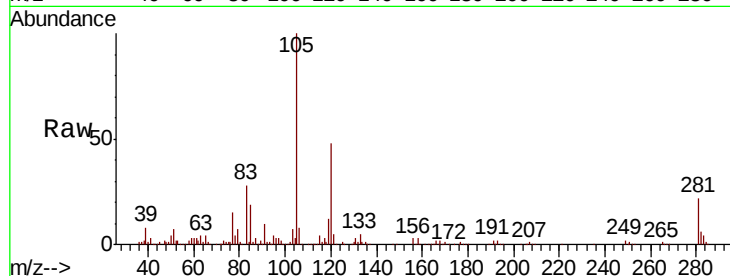
Tot Ion: 83 Resp: 232993

Ion Ratio Lower Upper

83 100

131 9.5 3.9 11.5

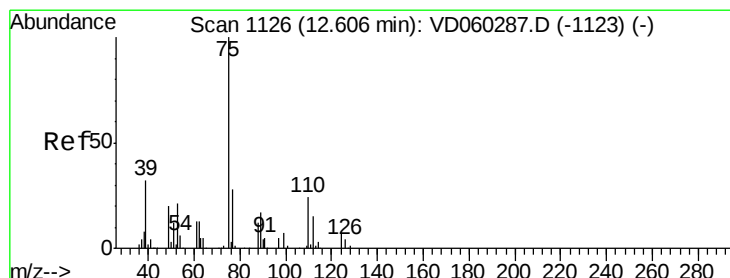
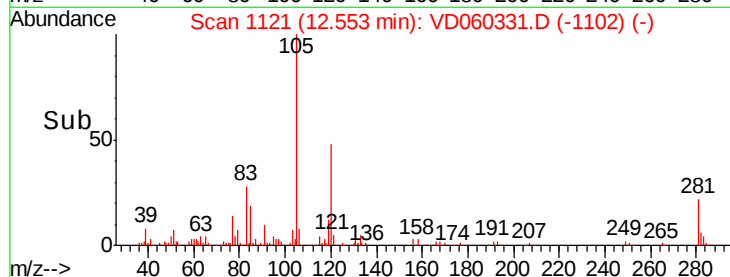
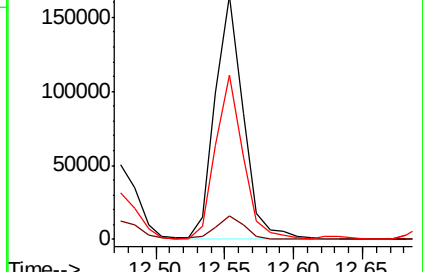
85 67.2 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.510 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VD060331.D

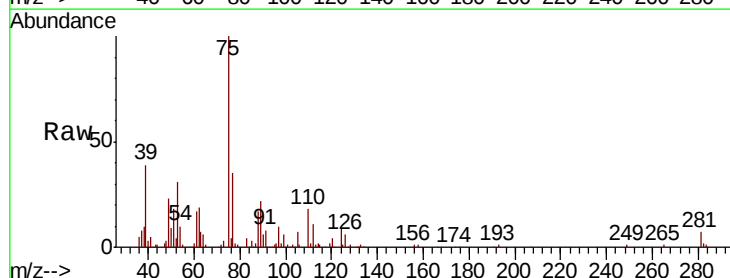
Acq: 12 Nov 2018 12:15

Tgt Ion: 75 Resp: 240941

Ion Ratio Lower Upper

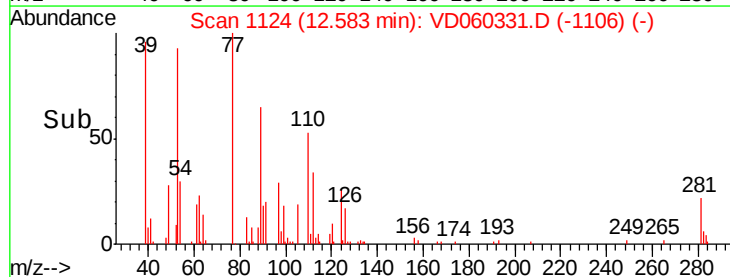
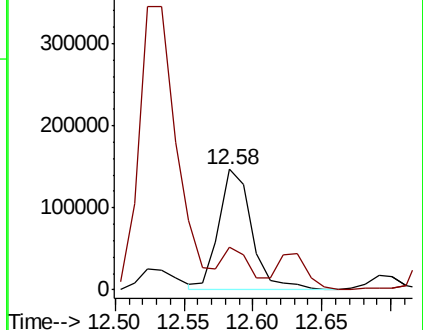
75 100

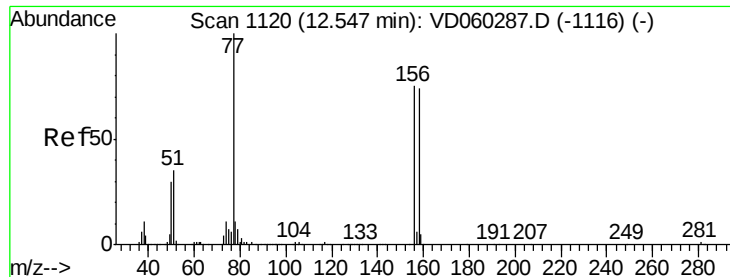
77 34.9 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.572 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

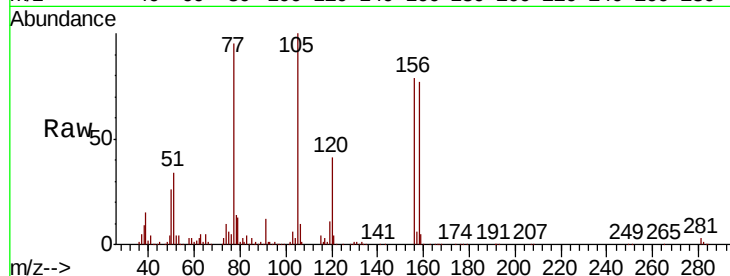
Tot Ion:156 Resp: 411017

Ion Ratio Lower Upper

156 100

77 120.3 61.2 183.6

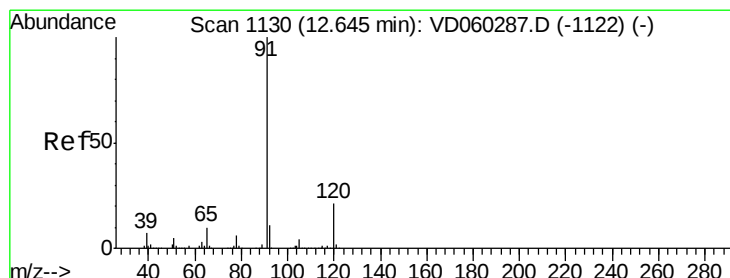
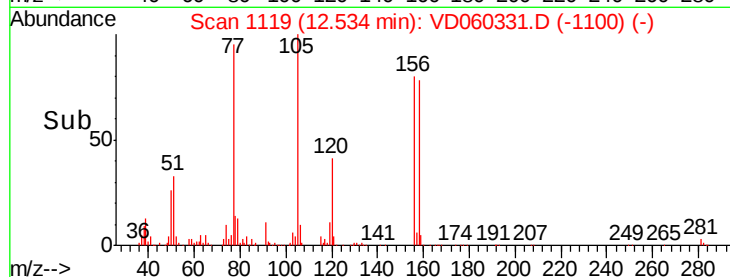
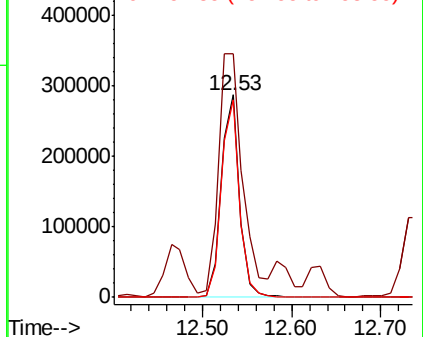
158 97.4 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.087 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060331.D

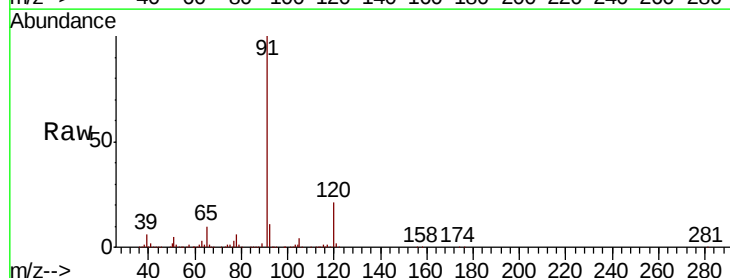
Acq: 12 Nov 2018 12:15

Tgt Ion: 91 Resp: 1885855

Ion Ratio Lower Upper

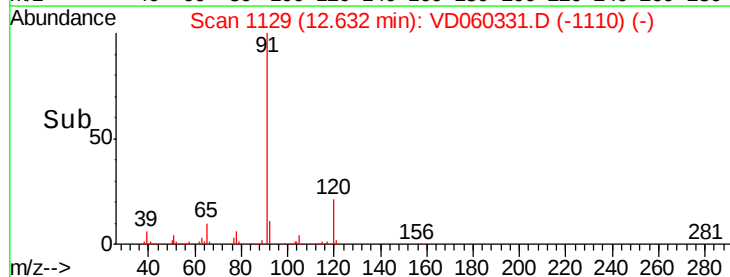
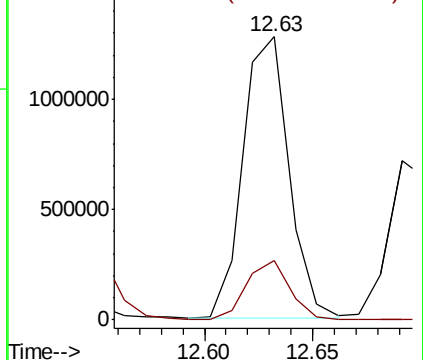
91 100

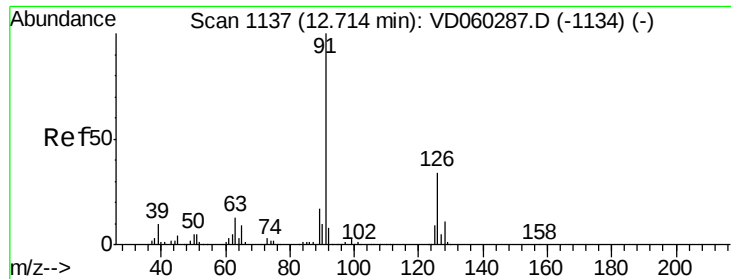
120 20.9 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

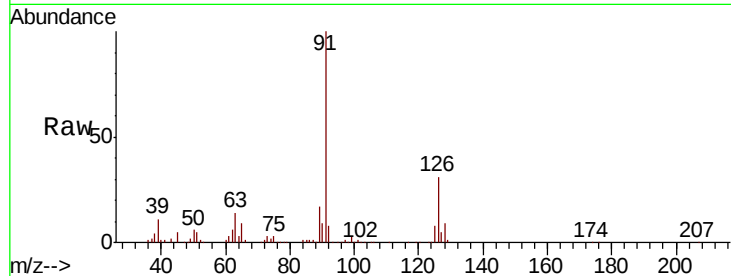




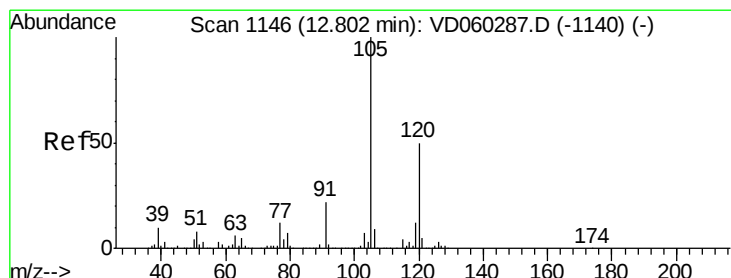
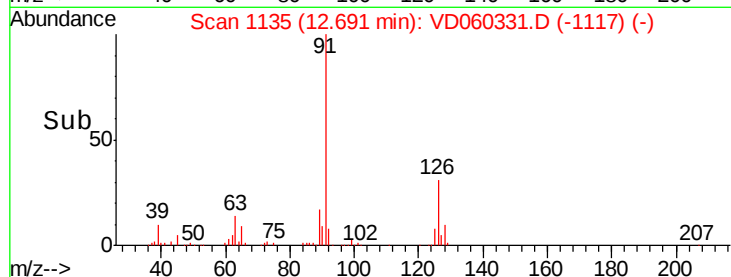
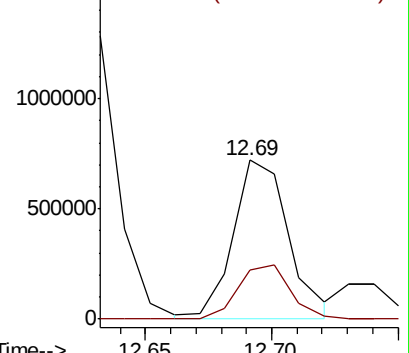
#79
 2-Chlorotoluene
 Concen: 21.183 ug/l
 RT: 12.69 min Scan# 1135
 Delta R.T. -0.02 min
 Lab File: VD060331.D
 Acq: 12 Nov 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion: 91 Resp: 1089211
 Ion Ratio Lower Upper
 91 100
 126 31.1 17.4 52.2

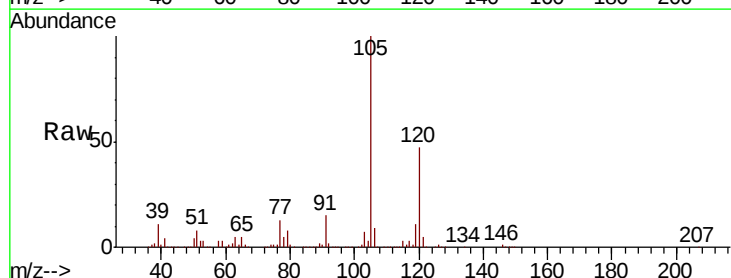


Abundance Ion 91.00 (90.70 to 91.70): VD060331.D (-1117) (-)
 Ion 125.95 (125.65 to 126.65): VD060331.D (-1117) (-)

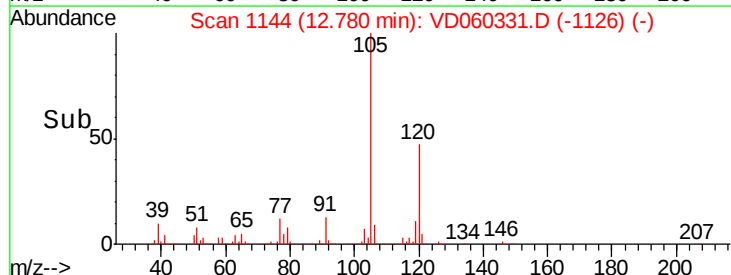
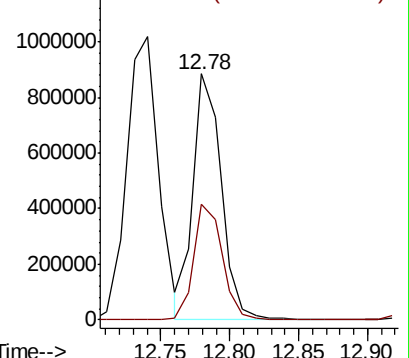


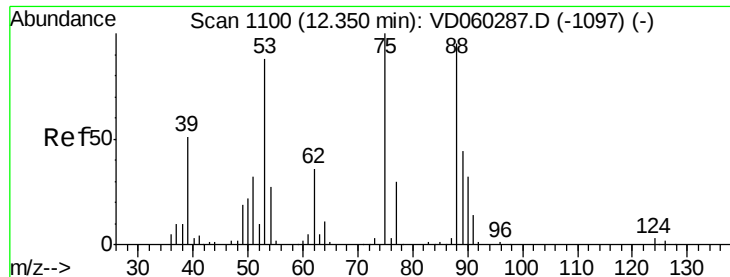
#80
 1,3,5-Trimethylbenzene
 Concen: 21.318 ug/l
 RT: 12.78 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VD060331.D
 Acq: 12 Nov 2018 12:15

Tgt Ion: 105 Resp: 1246124
 Ion Ratio Lower Upper
 105 100
 120 47.0 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): VD060331.D (-1126) (-)
 Ion 120.05 (119.75 to 120.75): VD060331.D (-1126) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.198 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

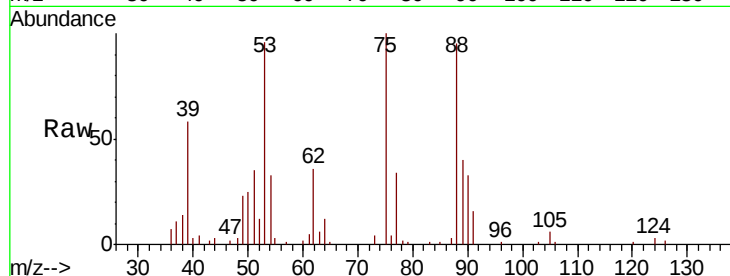
Tot Ion: 75 Resp: 71015

Ion Ratio Lower Upper

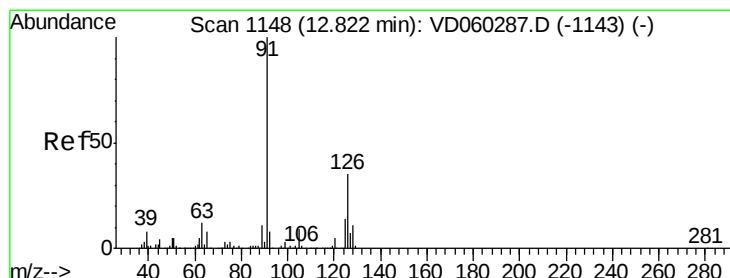
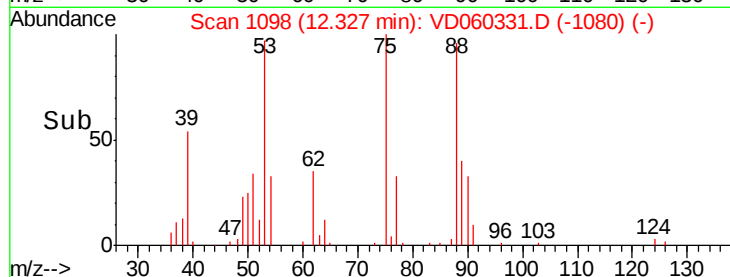
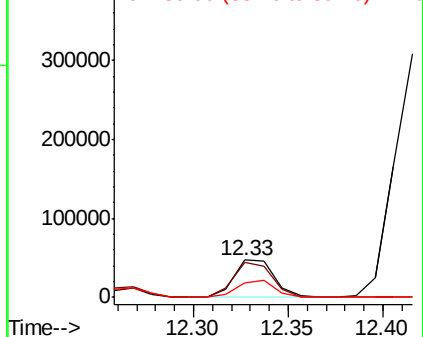
75 100

53 95.9 68.6 103.0

89 40.4 34.1 51.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.530 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.02 min

Lab File: VD060331.D

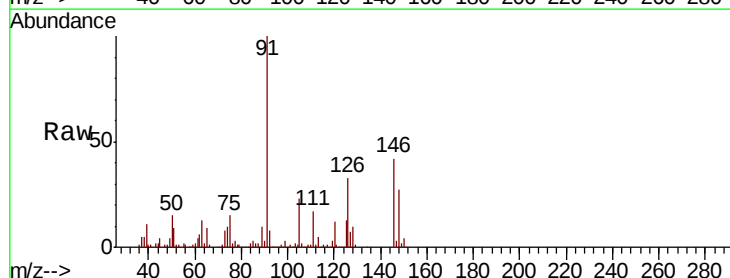
Acq: 12 Nov 2018 12:15

Tgt Ion: 91 Resp: 1185816

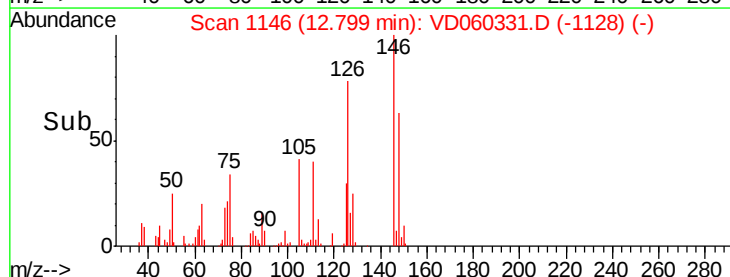
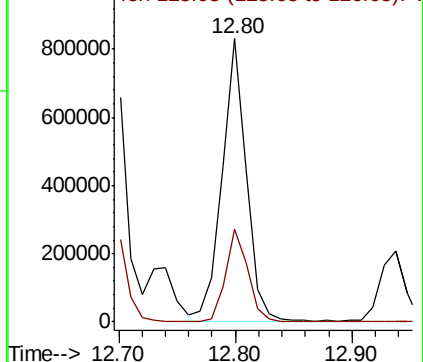
Ion Ratio Lower Upper

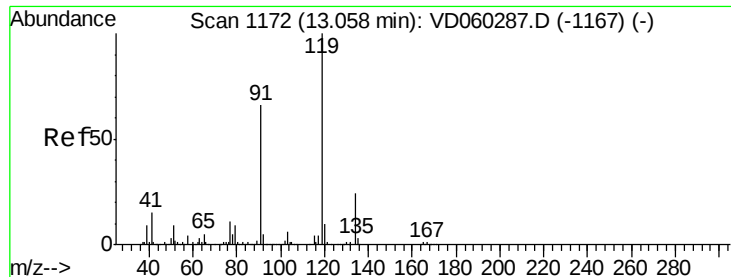
91 100

126 32.9 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 21.673 ug/l

RT: 13.04 min Scan# 1170

Delta R.T. -0.02 min

Lab File: VD060331.D

Acq: 12 Nov 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

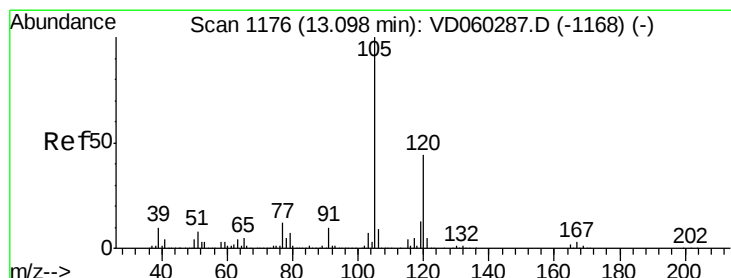
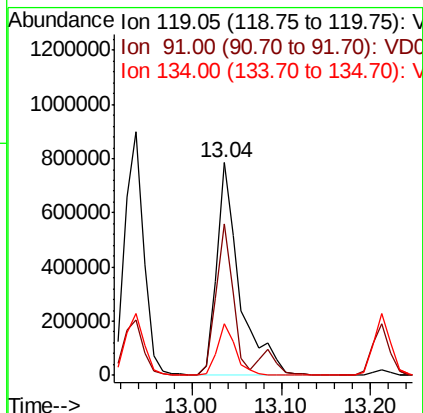
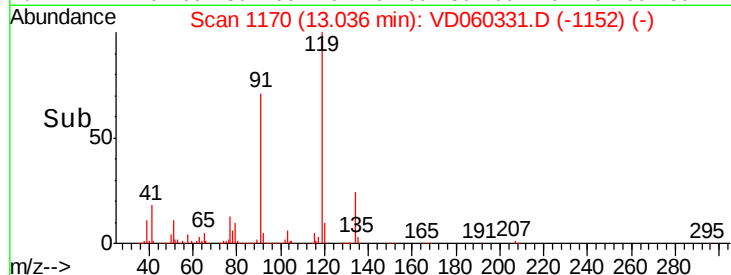
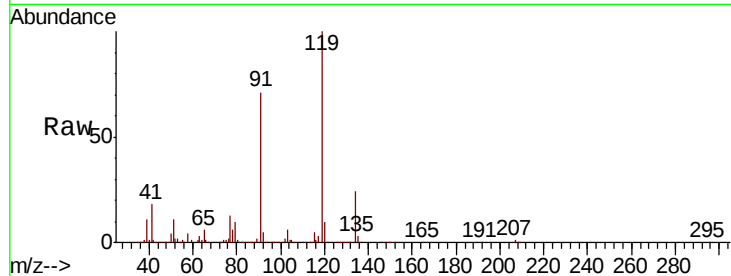
Tot Ion:119 Resp: 1406491

Ion Ratio Lower Upper

119 100

91 71.3 32.7 98.1

134 24.2 12.1 36.3



#84

1,2,4-Trimethylbenzene

Concen: 20.827 ug/l

RT: 13.08 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VD060331.D

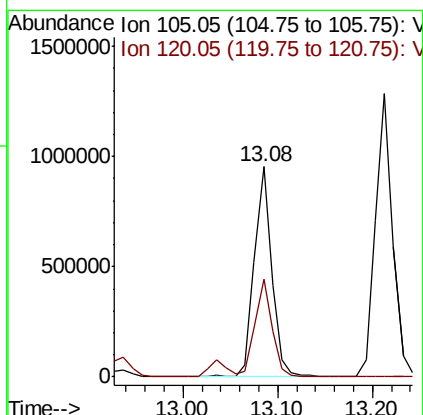
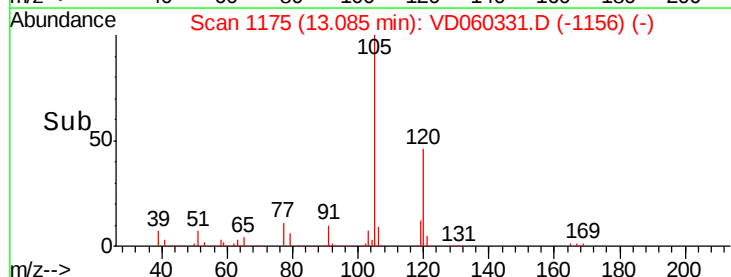
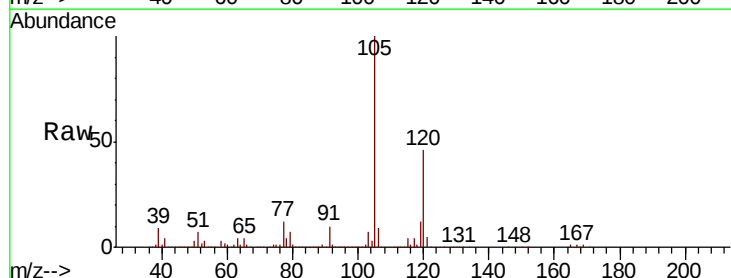
Acq: 12 Nov 2018 12:15

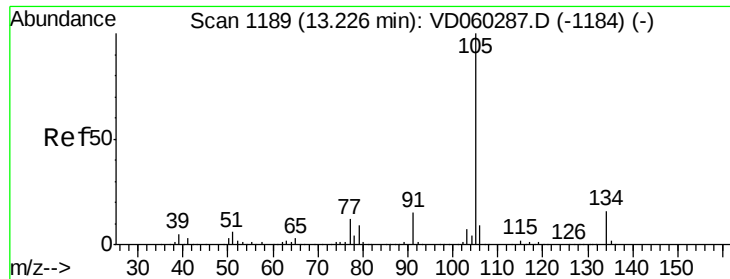
Tgt Ion:105 Resp: 1215878

Ion Ratio Lower Upper

105 100

120 46.3 21.9 65.8

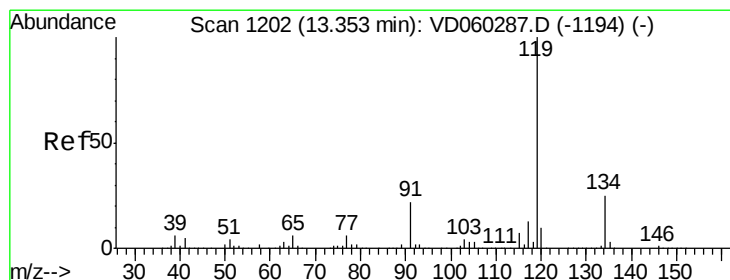
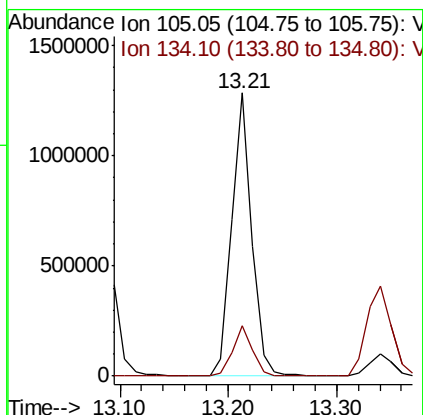
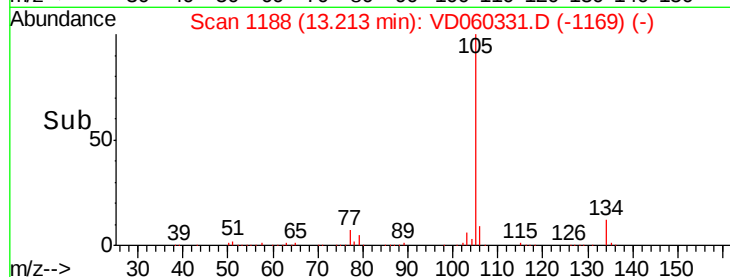
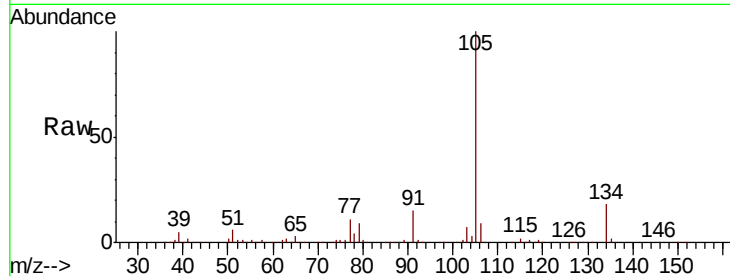




#85
 sec-Butylbenzene
 Concen: 20.683 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: VD060331.D
 Acq: 12 Nov 2018 12:15

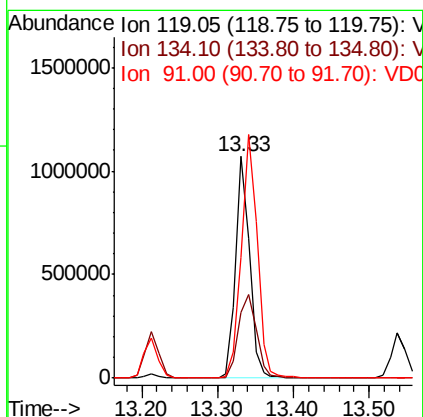
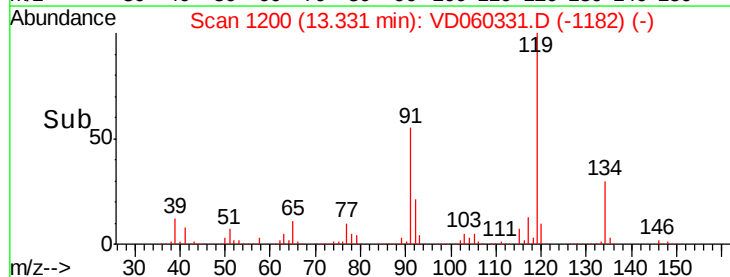
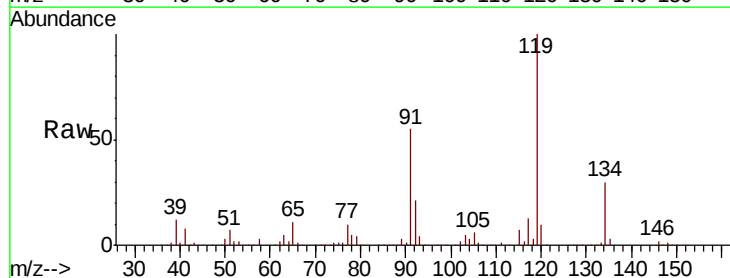
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

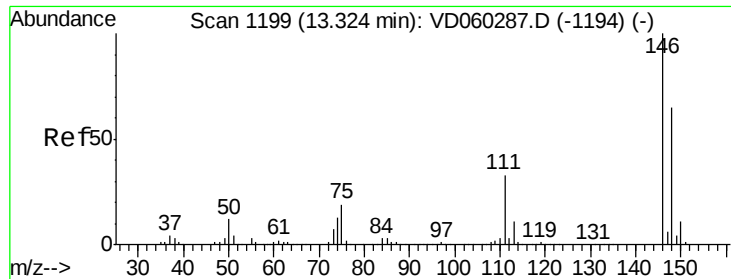
Tot Ion:105 Resp: 1646808
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 21.069 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VD060331.D
 Acq: 12 Nov 2018 12:15

Tgt Ion:119 Resp: 1350942
 Ion Ratio Lower Upper
 119 100
 134 29.7 12.9 38.6
 91 54.7 11.3 33.8#

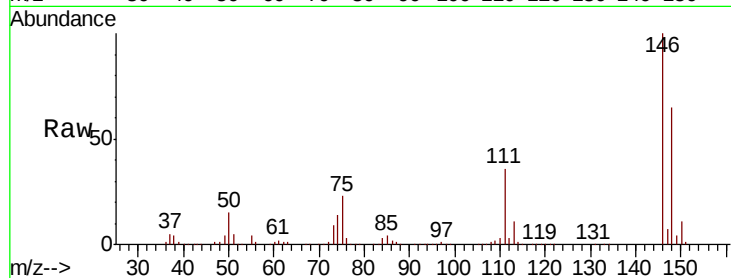




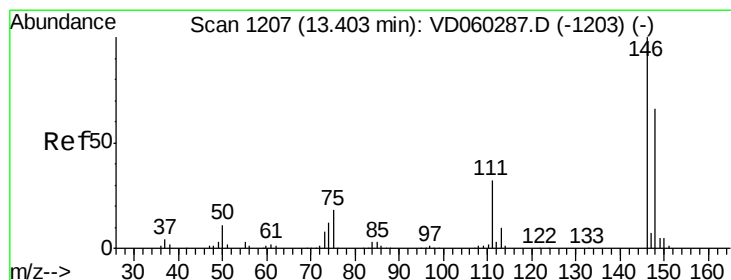
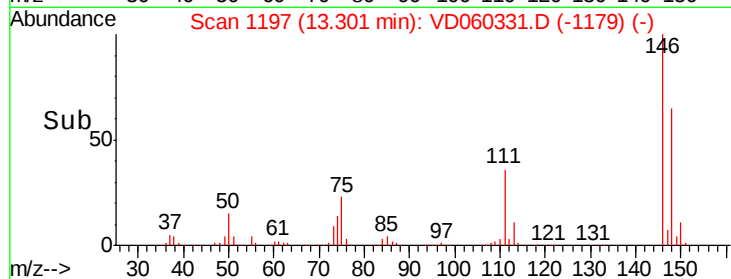
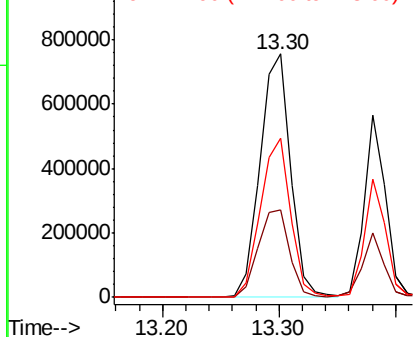
#87
 1,3-Dichlorobenzene
 Concen: 38.474 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD060331.D
 Acq: 12 Nov 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion:146 Resp: 1367593
 Ion Ratio Lower Upper
 146 100
 111 35.8 20.2 60.5
 148 65.4 32.0 96.0

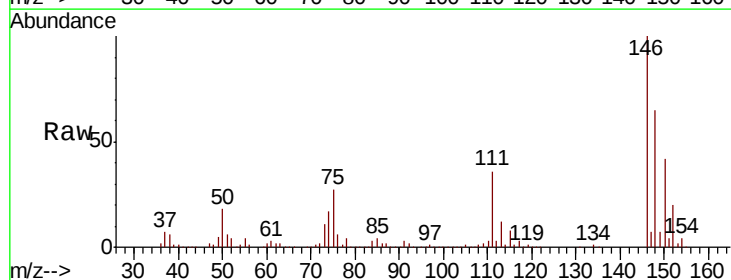


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

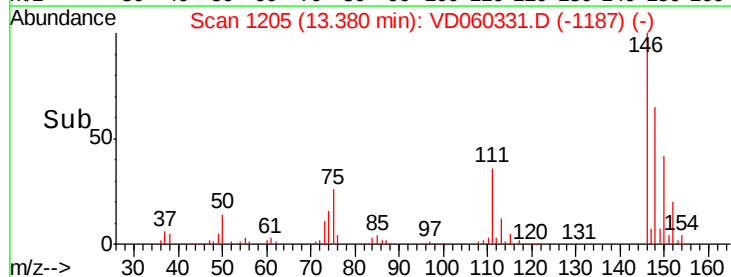
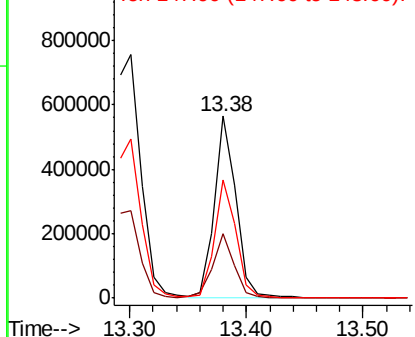


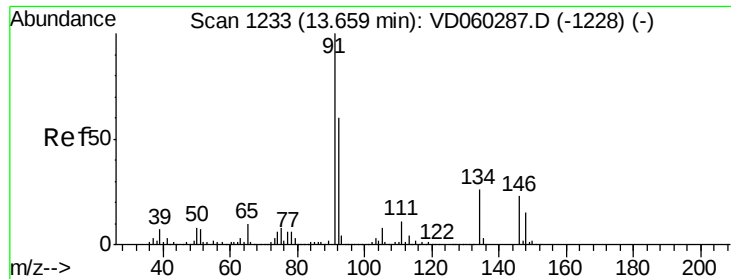
#88
 1,4-Dichlorobenzene
 Concen: 20.829 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: VD060331.D
 Acq: 12 Nov 2018 12:15

Tgt Ion:146 Resp: 723112
 Ion Ratio Lower Upper
 146 100
 111 35.5 16.0 47.9
 148 64.6 32.9 98.7



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

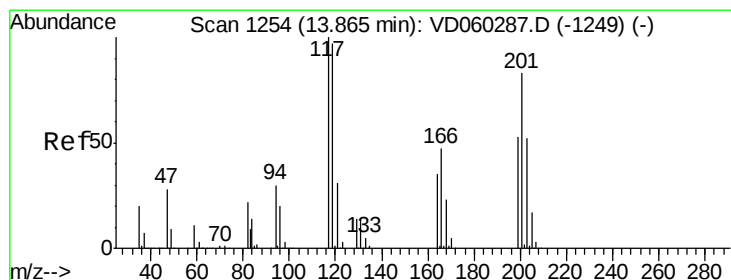
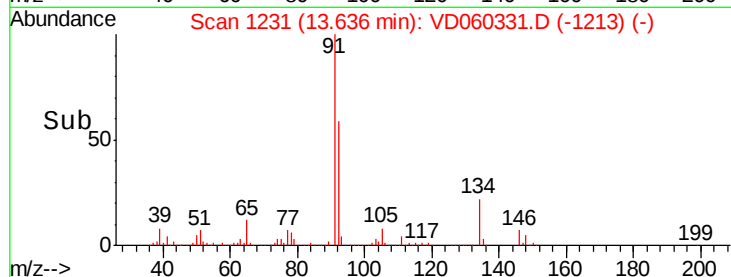
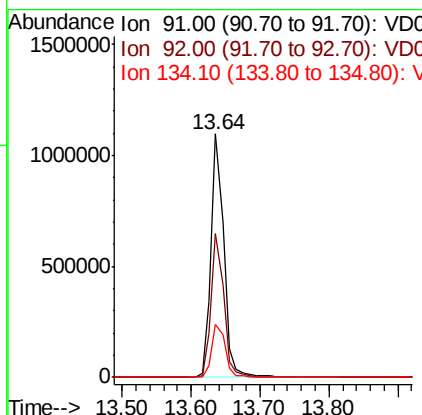
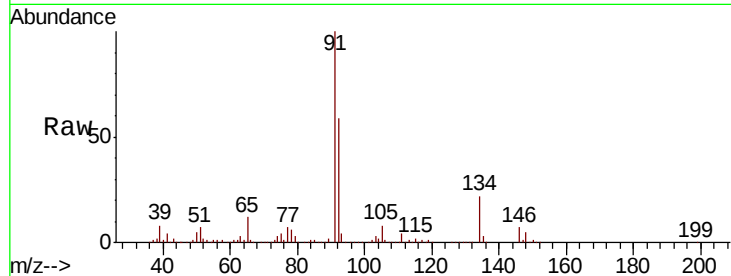




#89
n-Butylbenzene
Concen: 19.910 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

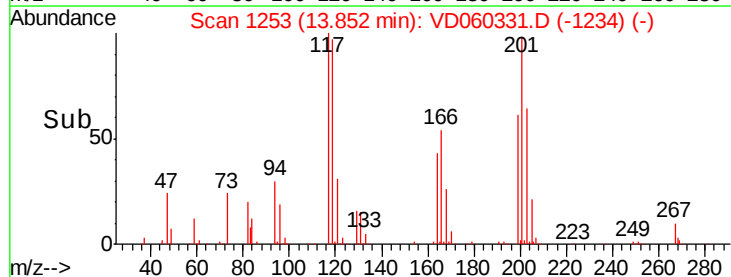
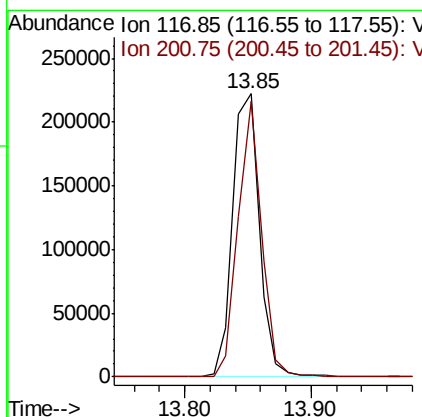
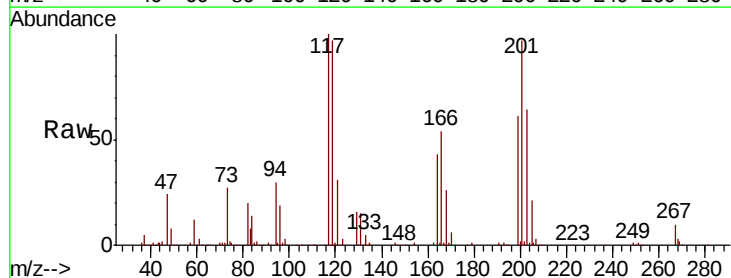
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

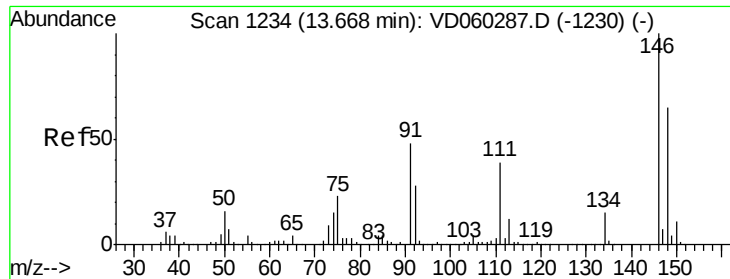
Tot Ion: 91 Resp: 1404817
Ion Ratio Lower Upper
91 100
92 59.2 30.3 90.9
134 21.7 13.0 38.9



#90
Hexachloroethane
Concen: 21.374 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Tgt Ion: 117 Resp: 324974
Ion Ratio Lower Upper
117 100
201 97.3 40.1 120.3

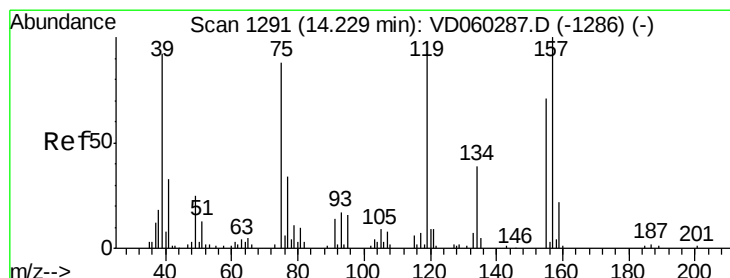
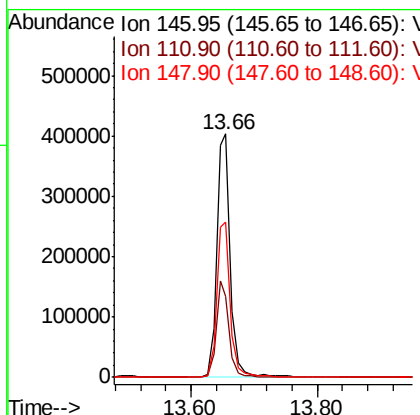
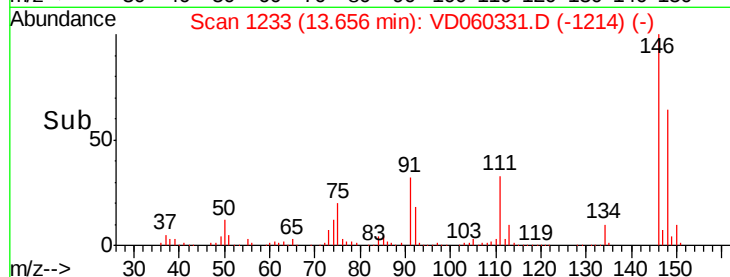
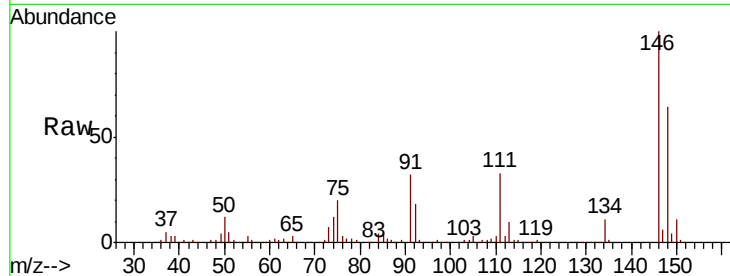




#91
 1,2-Dichlorobenzene
 Concen: 20.943 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD060331.D
 Acq: 12 Nov 2018 12:15

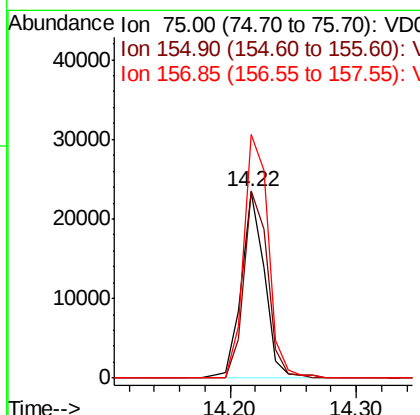
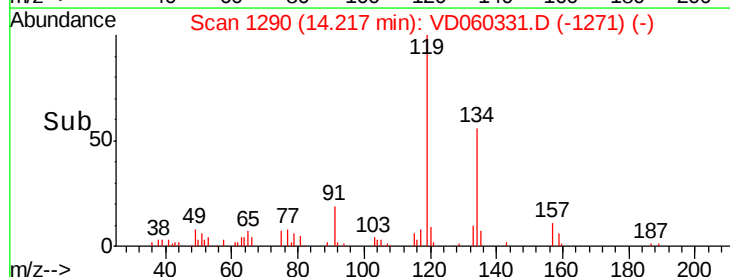
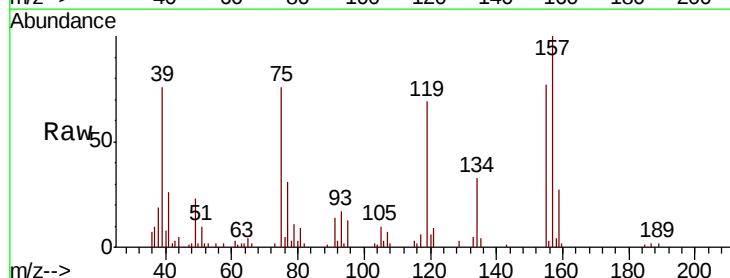
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

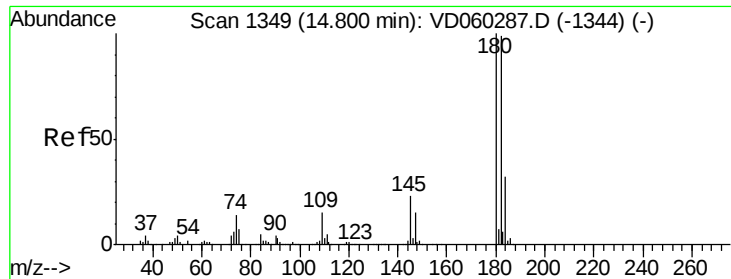
Tot Ion:146 Resp: 611463
 Ion Ratio Lower Upper
 146 100
 111 33.2 18.9 56.9
 148 63.9 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.007 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD060331.D
 Acq: 12 Nov 2018 12:15

Tgt Ion: 75 Resp: 29709
 Ion Ratio Lower Upper
 75 100
 155 100.5 64.3 192.9
 157 130.9 81.0 243.1

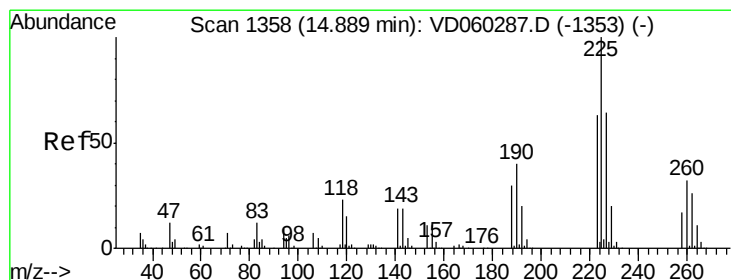
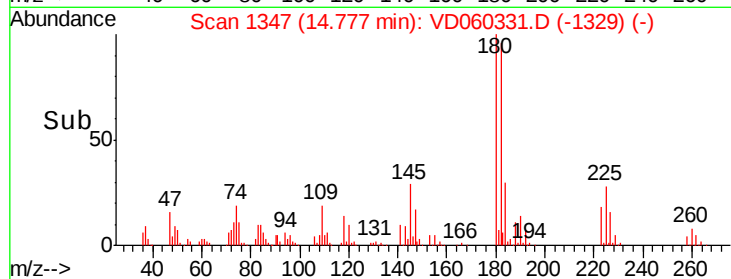
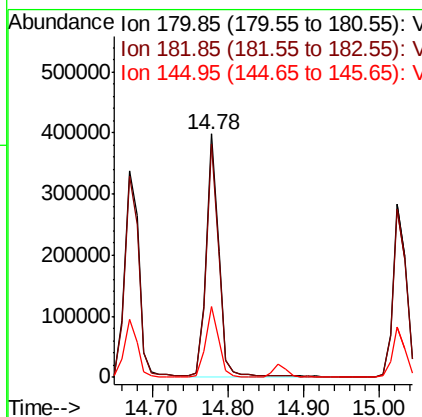
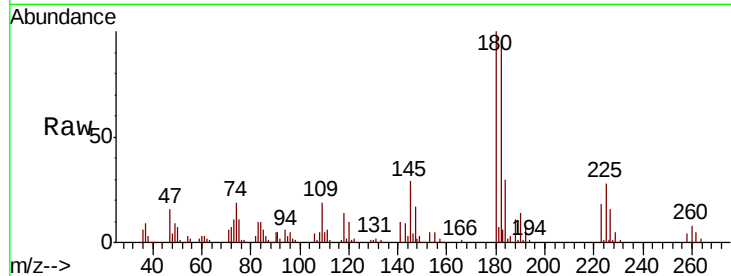




#93
 1,2,4-Trichlorobenzene
 Concen: 20.057 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: VD060331.D
 Acq: 12 Nov 2018 12:15

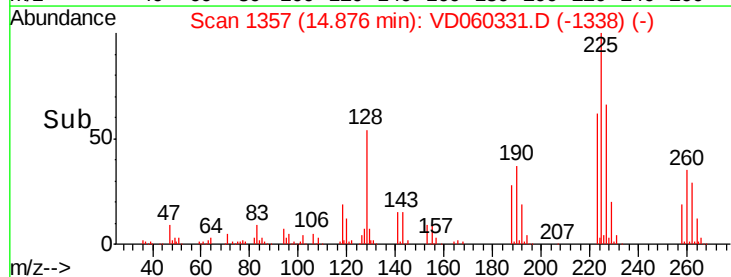
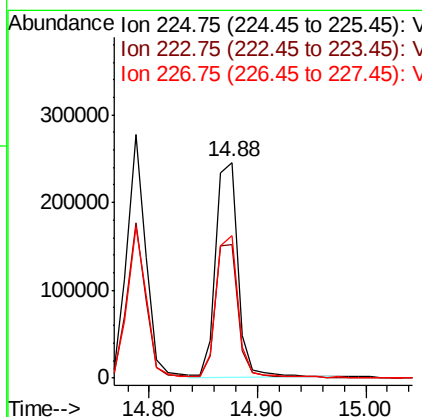
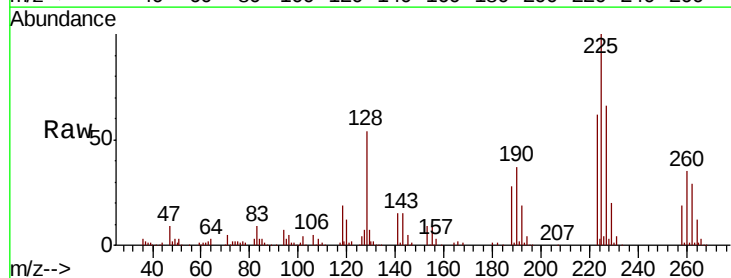
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

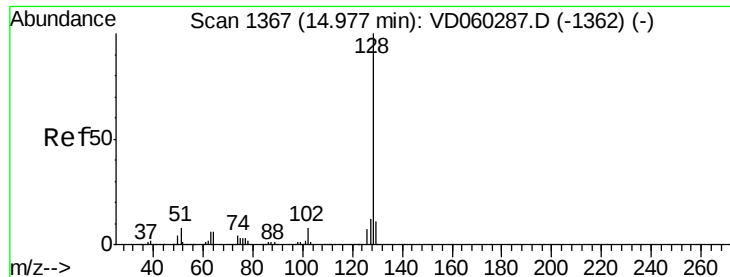
Tot Ion:180 Resp: 464310
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.1 144.4
 145 28.9 11.5 34.4



#94
 Hexachlorobutadiene
 Concen: 20.231 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060331.D
 Acq: 12 Nov 2018 12:15

Tgt Ion:225 Resp: 350288
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.6 94.8
 227 66.1 32.3 96.9

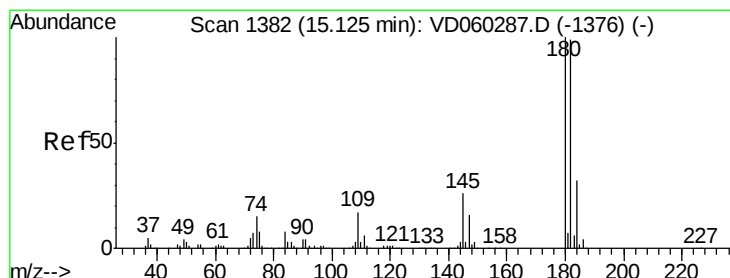
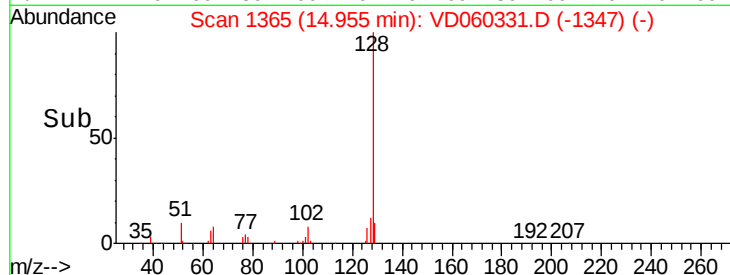
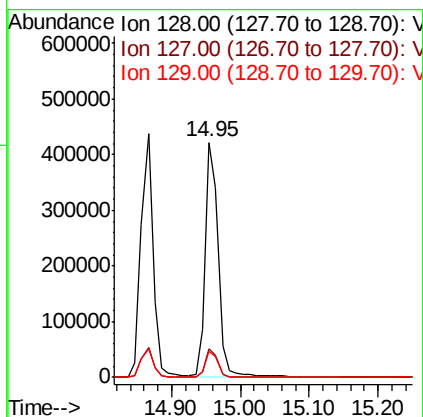
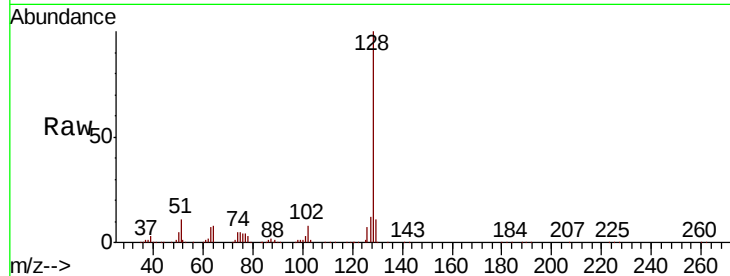




#95
Naphthalene
Concen: 19.868 ug/l
RT: 14.95 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion:128 Resp: 561590
Ion Ratio Lower Upper
128 100
127 12.1 9.6 14.4
129 11.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.043 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.02 min
Lab File: VD060331.D
Acq: 12 Nov 2018 12:15

Tgt Ion:180 Resp: 371791
Ion Ratio Lower Upper
180 100
182 95.0 48.9 146.7
145 28.7 12.9 38.6

