

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120318\
 Data File : VD060466.D
 Acq On : 3 Dec 2018 10:20
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 04 02:14:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1400975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.48	114	1960288	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.30	117	1530086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.39	152	793881	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.82	65	543579	54.19	ug/l	0.02
Spiked Amount	50.000		Recovery	=	108.38%	
35) Dibromofluoromethane	6.35	113	822876	56.29	ug/l	0.02
Spiked Amount	50.000		Recovery	=	112.58%	
50) Toluene-d8	9.48	98	2258301	52.79	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.58%	
62) 4-Bromofluorobenzene	12.45	95	833552	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	545328	49.587	ug/l	96
3) Chloromethane	1.78	50	587393	44.263	ug/l	99
4) Vinyl Chloride	1.88	62	511994	47.242	ug/l	97
5) Bromomethane	2.17	94	128504	49.978	ug/l	97
6) Chloroethane	2.28	64	175108	48.696	ug/l	99
7) Trichlorofluoromethane	2.54	101	630505	49.346	ug/l	99
8) Diethyl Ether	2.85	74	118849	51.375	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.12	101	421536	50.159	ug/l	97
10) Methyl Iodide	3.27	142	487026	44.620	ug/l	97
11) Tert butyl alcohol	4.00	59	125054	303.590	ug/l	96
12) 1,1-Dichloroethene	3.10	96	333513	48.789	ug/l	97
13) Acrolein	3.01	56	87638	180.056	ug/l	95
14) Allyl chloride	3.57	41	675229	51.624	ug/l	98
15) Acrylonitrile	4.12	53	684555	284.984	ug/l	99
16) Acetone	3.19	43	515746	296.402	ug/l	99
17) Carbon Disulfide	3.34	76	950152	43.062	ug/l	100
18) Methyl Acetate	3.59	43	226223	60.974	ug/l	99
19) Methyl tert-butyl Ether	4.16	73	1176468	57.475	ug/l	100
20) Methylene Chloride	3.76	84	806762	52.267	ug/l	95
21) trans-1,2-Dichloroethene	4.13	96	813678	53.609	ug/l	99
22) Diisopropyl ether	4.89	45	2673426	54.709	ug/l	95
23) Vinyl Acetate	4.84	43	6877702	282.858	ug/l	100
24) 1,1-Dichloroethane	4.79	63	1405327	56.082	ug/l	100
25) 2-Butanone	5.66	43	1048617	289.934	ug/l	99
26) 2,2-Dichloropropane	5.62	77	1123986	57.694	ug/l	99
27) cis-1,2-Dichloroethene	5.63	96	896456	56.694	ug/l	97
28) Bromochloromethane	5.96	49	582292	52.665	ug/l	90
29) Tetrahydrofuran	5.99	42	519261	272.314	ug/l	99
30) Chloroform	6.14	83	1421213	56.733	ug/l	99
31) Cyclohexane	6.39	56	1134636	47.374	ug/l	97
32) 1,1,1-Trichloroethane	6.32	97	1203928	57.054	ug/l	98
36) 1,1-Dichloropropene	6.55	75	1021914	52.766	ug/l	99
37) Ethyl Acetate	5.73	43	510414	57.274	ug/l	99
38) Carbon Tetrachloride	6.53	117	985426	54.852	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	1149907	51.624	ug/l	99
40) Benzene	6.83	78	2688161	54.377	ug/l	99
41) Methacrylonitrile	5.98	41	560963	54.996	ug/l #	96
42) 1,2-Dichloroethane	6.92	62	719420	55.598	ug/l	99
43) Isopropyl Acetate	8.37	43	639411	57.119	ug/l	99
44) Trichloroethene	7.77	130	846793	56.506	ug/l	98
45) 1,2-Dichloropropane	8.14	63	705346	56.573	ug/l	97
46) Dibromomethane	8.24	93	422095	57.804	ug/l	99
47) Bromodichloromethane	8.52	83	1006458	58.490	ug/l	99
48) Methyl methacrylate	8.27	41	393180	57.823	ug/l	95
49) 1,4-Dioxane	8.25	88	72068	1224.958	ug/l	88
51) 4-Methyl-2-Pentanone	9.37	43	2031801	278.865	ug/l	99
52) Toluene	9.57	92	1740037	55.101	ug/l	99
53) t-1,3-Dichloropropene	9.95	75	834681	57.410	ug/l	100
54) cis-1,3-Dichloropropene	9.13	75	1058115	56.742	ug/l	98
55) 1,1,2-Trichloroethane	10.20	97	499082	54.528	ug/l	98
56) Ethyl methacrylate	10.05	69	498723	59.263	ug/l	99
57) 1,3-Dichloropropane	10.41	76	755841	54.195	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.95	63	1402286	275.585	ug/l	98
59) 2-Hexanone	10.51	43	1550912	298.655	ug/l	99
60) Dibromochloromethane	10.66	129	679489	61.072	ug/l	98
61) 1,2-Dibromoethane	10.78	107	521926	56.913	ug/l	99
64) Tetrachloroethene	10.28	164	759495	55.601	ug/l	96
65) Chlorobenzene	11.33	112	1871451	56.449	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	623764	57.504	ug/l	97
67) Ethyl Benzene	11.45	91	3054405	53.858	ug/l	98
68) m/p-Xylenes	11.58	106	2322872	111.035	ug/l	100
69) o-Xylene	11.95	106	1130145	55.918	ug/l	92
70) Styrene	11.97	104	1847110	56.551	ug/l	99
71) Bromoform	12.13	173	447128	61.343	ug/l	99
73) Isopropylbenzene	12.29	105	3111753	53.799	ug/l	100
74) N-amyl acetate	12.15	43	813534	54.861	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	516071	54.556	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	539073	56.764	ug/l	100
77) Bromobenzene	12.55	156	827564	53.864	ug/l	97
78) n-propylbenzene	12.65	91	3894961	53.950	ug/l	100
79) 2-Chlorotoluene	12.72	91	2104194	53.216	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	2380520	52.958	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.36	75	159626	59.040	ug/l	96
82) 4-Chlorotoluene	12.83	91	2268333	51.069	ug/l	87
83) tert-Butylbenzene	13.07	119	2799246	56.092	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	2504834	55.797	ug/l	100
85) sec-Butylbenzene	13.23	105	3352525	54.755	ug/l	99
86) p-Isopropyltoluene	13.36	119	2667026	54.091	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	1504415	55.037	ug/l	99
88) 1,4-Dichlorobenzene	13.41	146	1488461	55.756	ug/l	99
89) n-Butylbenzene	13.66	91	2640543	56.290	ug/l	97
90) Hexachloroethane	13.87	117	694509	59.402	ug/l	92
91) 1,2-Dichlorobenzene	13.68	146	1188351	52.929	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	65015	56.938	ug/l	66

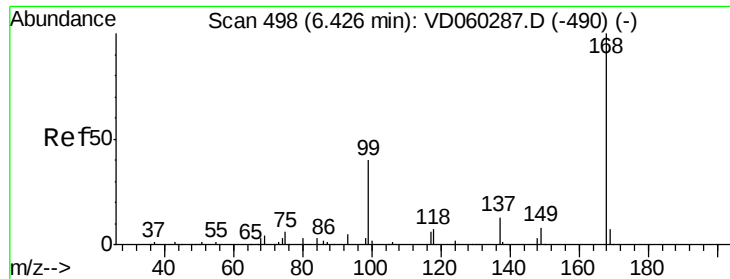
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120318\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	1008452	56.651	ug/l	98
94) Hexachlorobutadiene	14.90	225	725601	54.496	ug/l	99
95) Naphthalene	14.98	128	1252053	57.601	ug/l	99
96) 1,2,3-Trichlorobenzene	15.13	180	826567	57.945	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

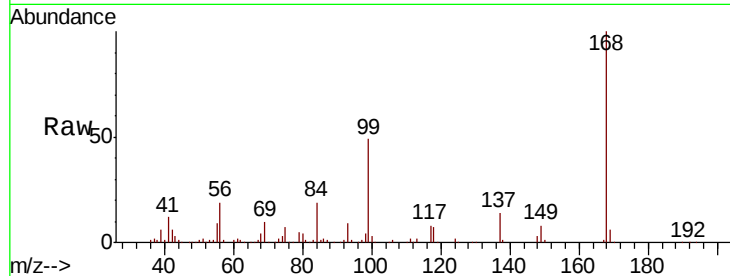
VSTDCCC050

Tot Ion:168 Resp: 1400975

Ion Ratio Lower Upper

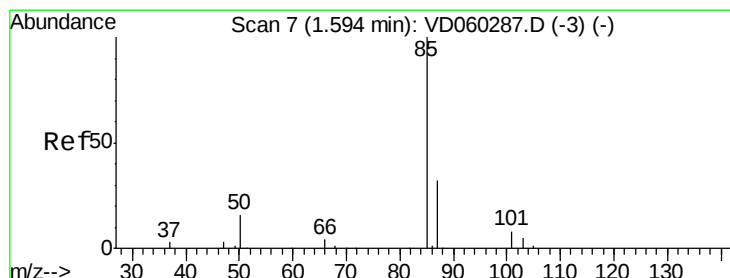
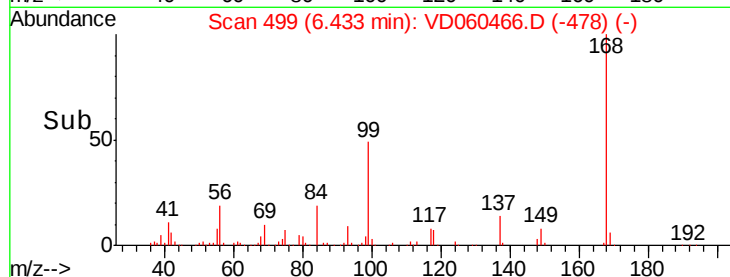
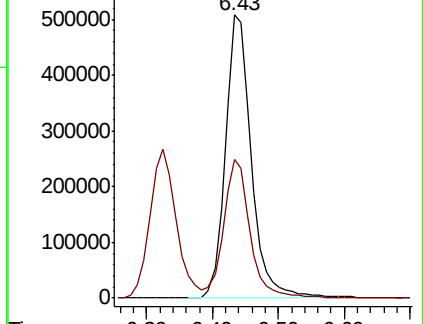
168 100

99 49.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 49.587 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060466.D

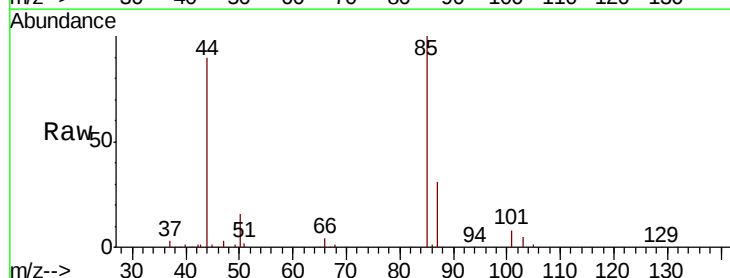
Acq: 3 Dec 2018 10:20

Tgt Ion: 85 Resp: 545328

Ion Ratio Lower Upper

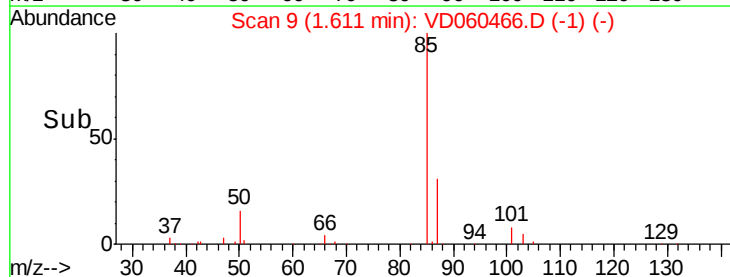
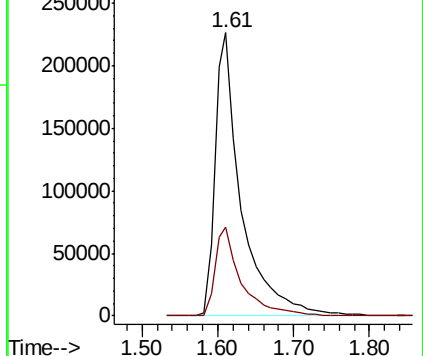
85 100

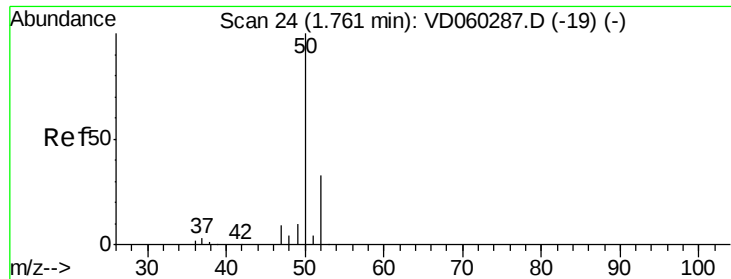
87 31.2 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.263 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

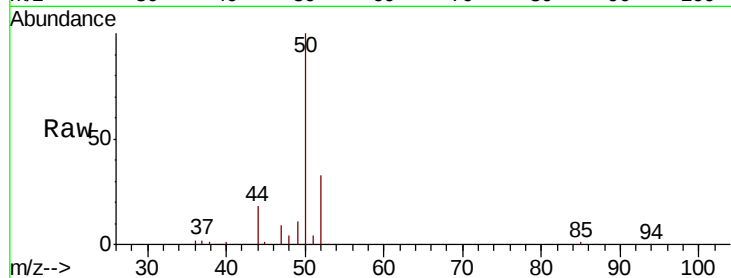
VSTDCCC050

Tot Ion: 50 Resp: 587393

Ion Ratio Lower Upper

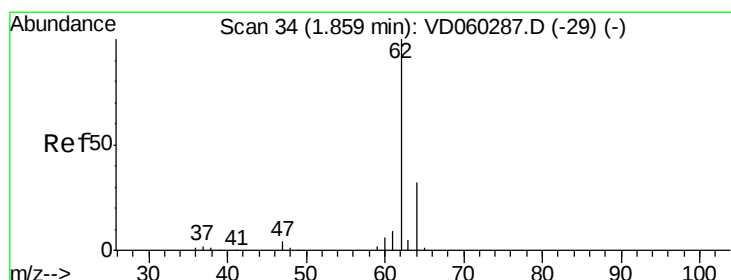
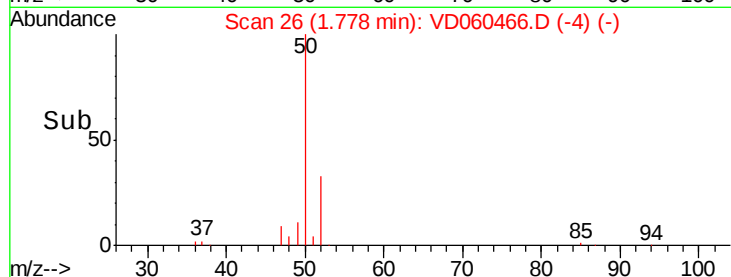
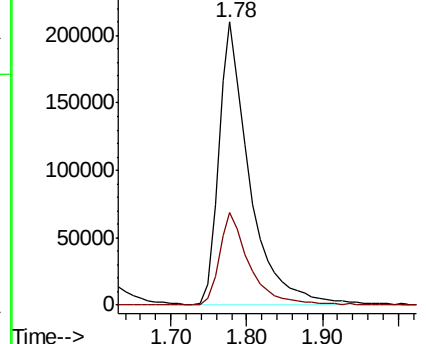
50 100

52 32.8 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.242 ug/l

RT: 1.88 min Scan# 36

Delta R.T. 0.02 min

Lab File: VD060466.D

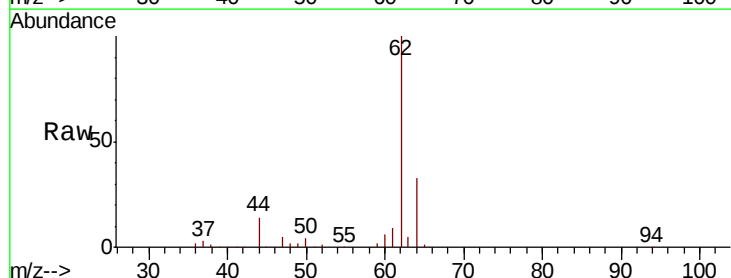
Acq: 3 Dec 2018 10:20

Tgt Ion: 62 Resp: 511994

Ion Ratio Lower Upper

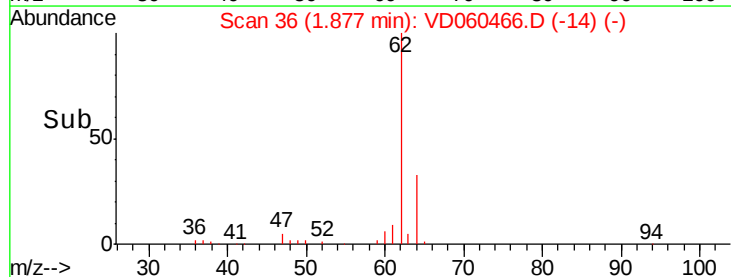
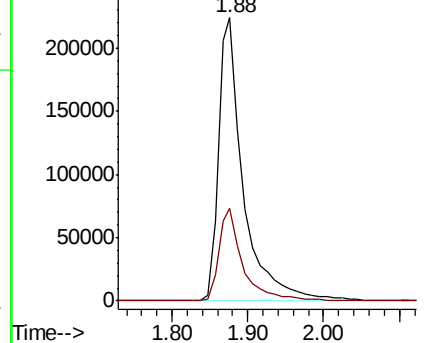
62 100

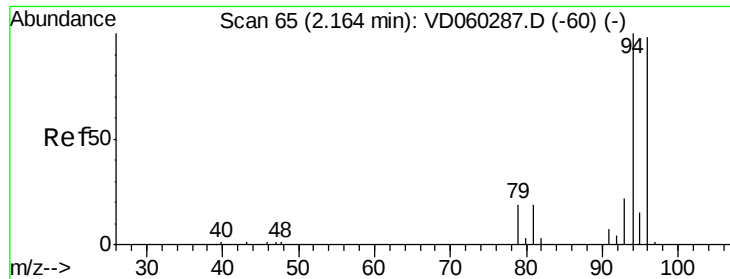
64 32.9 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

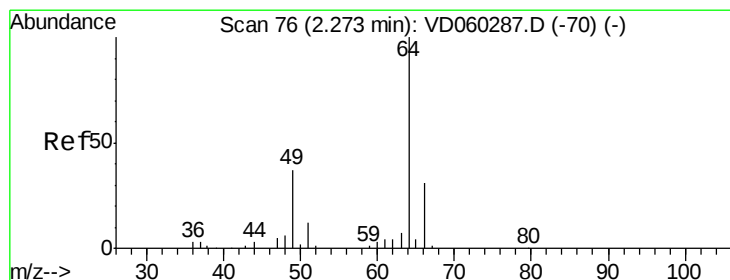
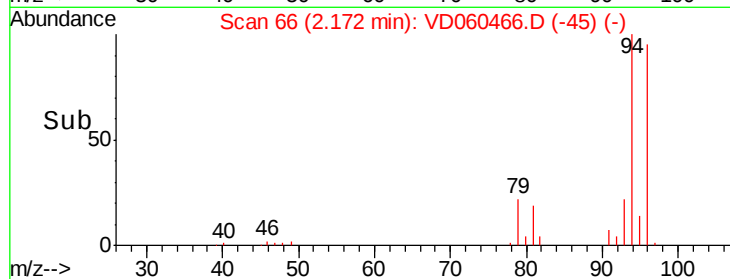
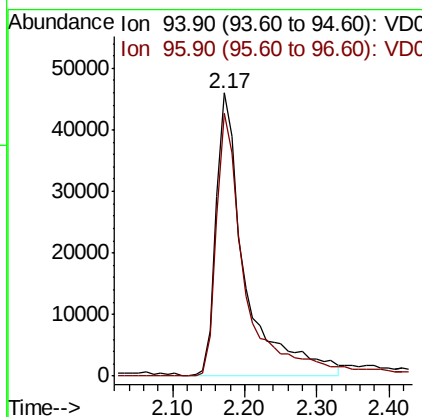
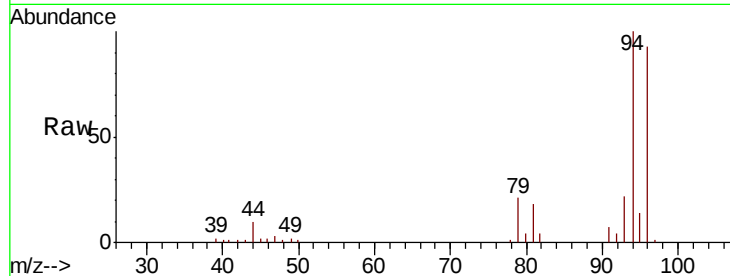




#5
Bromomethane
Concen: 49.978 ug/l
RT: 2.17 min Scan# 66
Delta R.T. 0.01 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

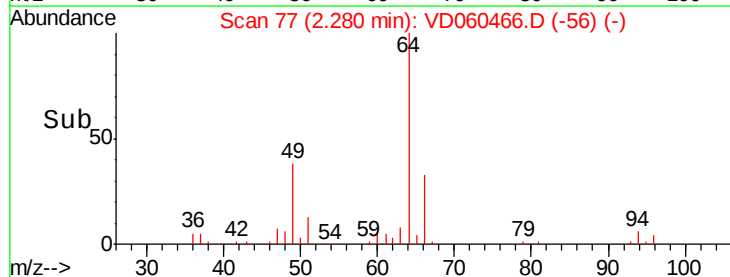
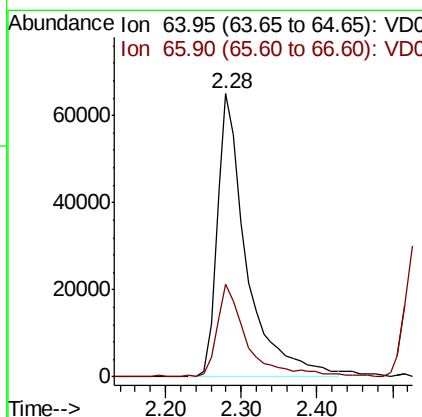
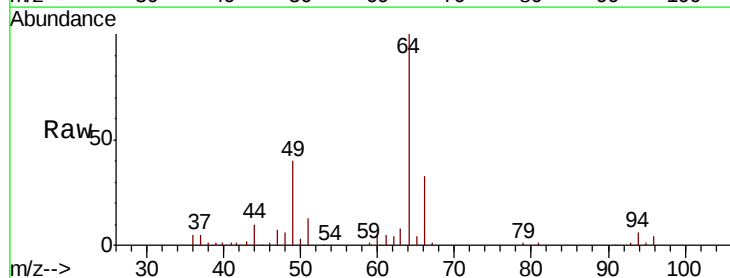
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 128504
Ion Ratio Lower Upper
94 100
96 92.9 76.6 114.8



#6
Chloroethane
Concen: 48.696 ug/l
RT: 2.28 min Scan# 77
Delta R.T. 0.01 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

Tgt Ion: 64 Resp: 175108
Ion Ratio Lower Upper
64 100
66 32.6 26.6 40.0



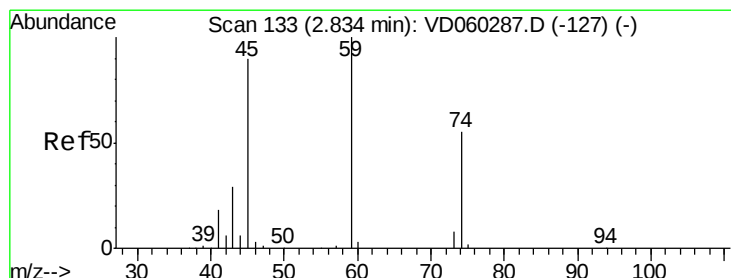
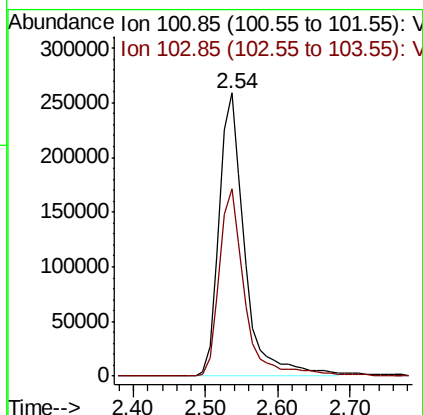
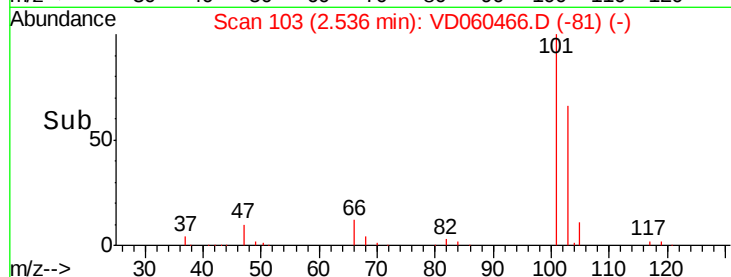
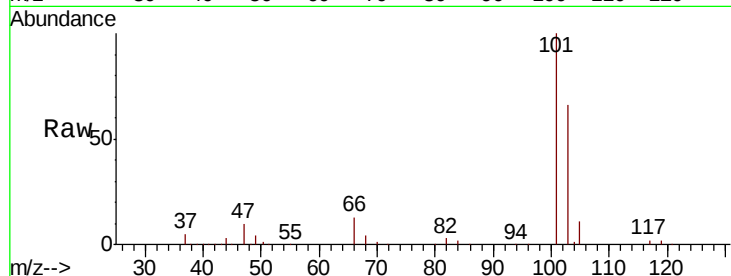


#7

Trichlorofluoromethane
Concen: 49.346 ug/l
RT: 2.54 min Scan# 103
Delta R.T. 0.02 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

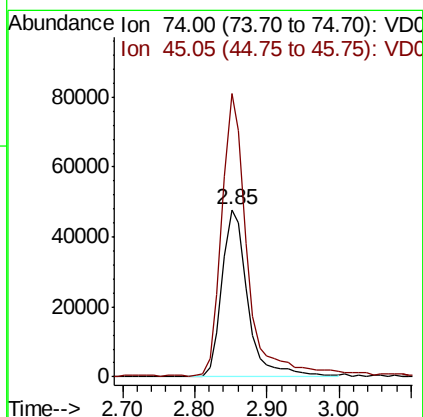
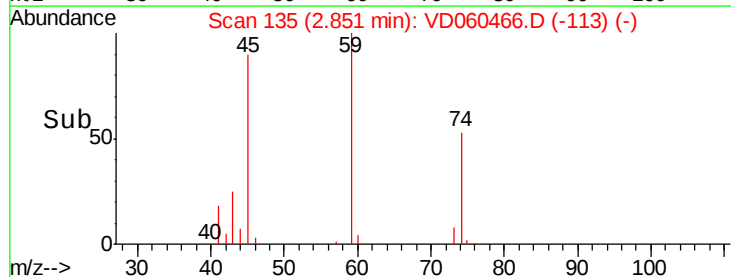
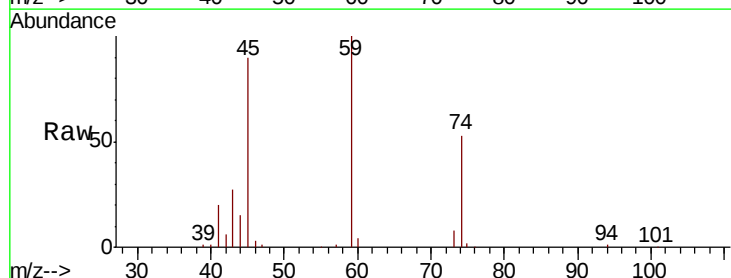
Tot Ion:101 Resp: 630505
Ion Ratio Lower Upper
101 100
103 66.1 53.6 80.4



#8

Diethyl Ether
Concen: 51.375 ug/l
RT: 2.85 min Scan# 135
Delta R.T. 0.02 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

Tgt Ion: 74 Resp: 118849
Ion Ratio Lower Upper
74 100
45 169.6 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.159 ug/l

RT: 3.12 min Scan# 162

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

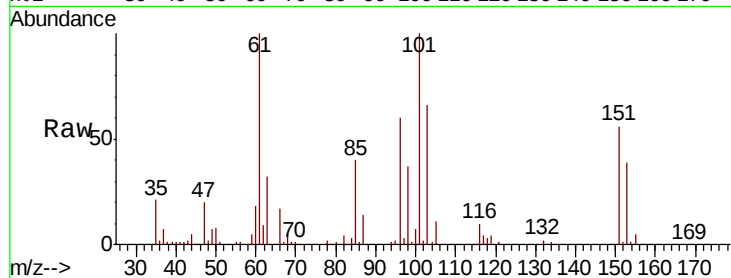
Tot Ion:101 Resp: 421536

Ion Ratio Lower Upper

101 100

85 40.1 31.4 47.0

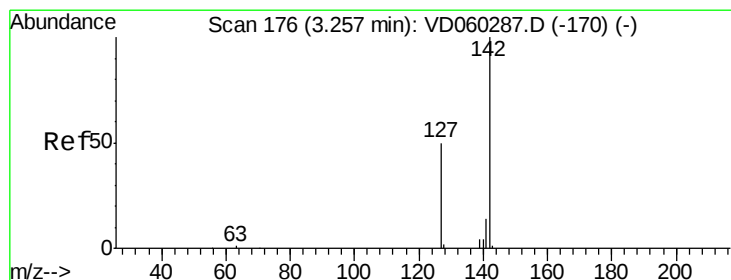
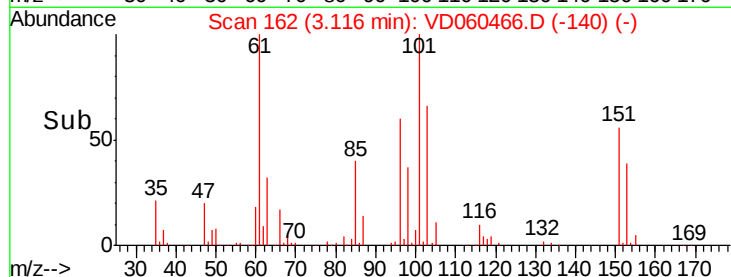
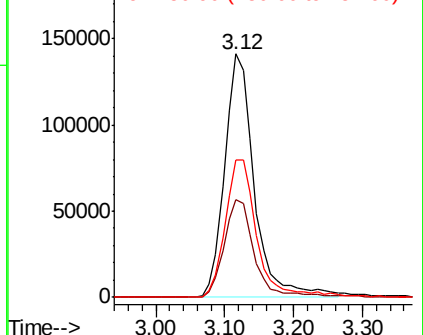
151 56.3 47.4 71.0



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: 44.620 ug/l

RT: 3.27 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

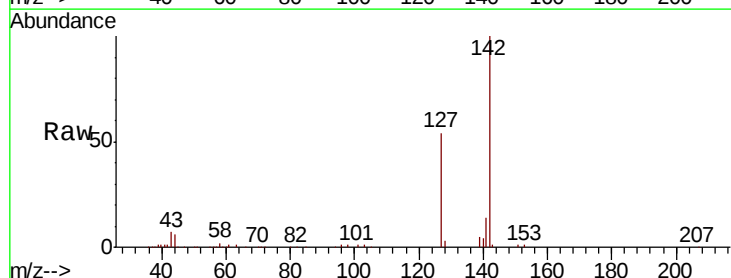
Tgt Ion:142 Resp: 487026

Ion Ratio Lower Upper

142 100

127 53.6 41.0 61.6

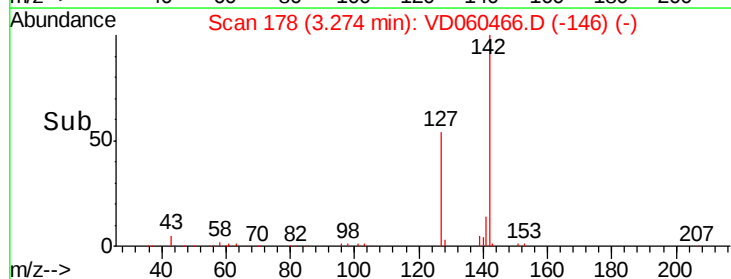
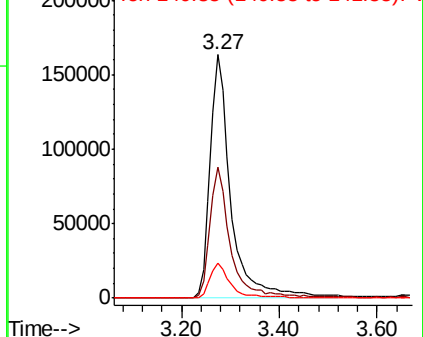
141 14.4 11.9 17.9

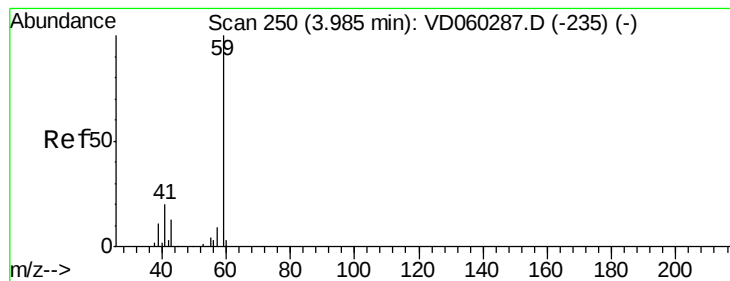


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 303.590 ug/l

RT: 4.00 min Scan# 252

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

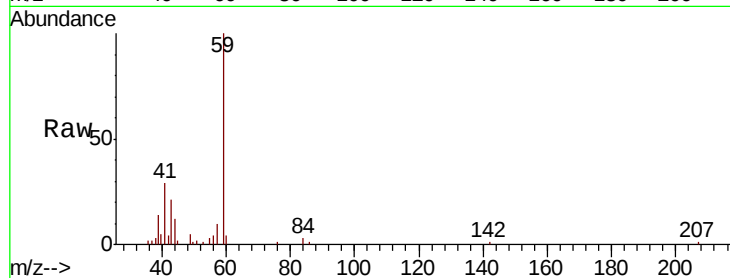
VSTDCCC050

Tot Ion: 59 Resp: 125054

Ion Ratio Lower Upper

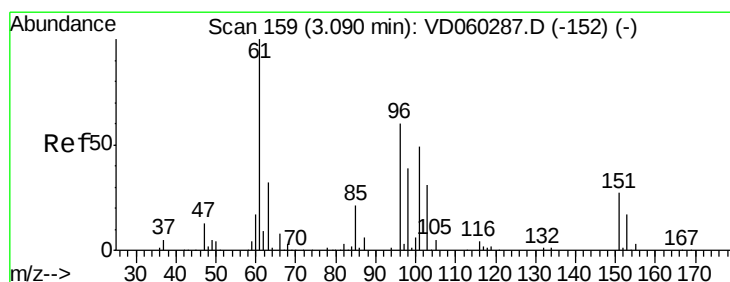
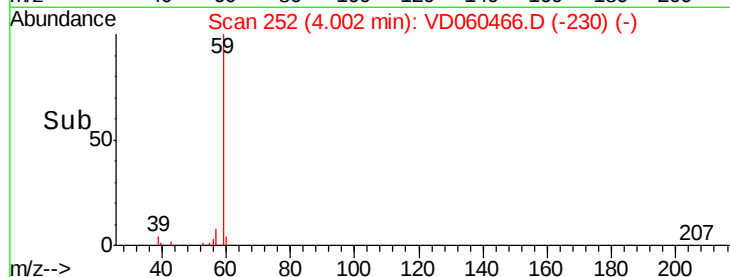
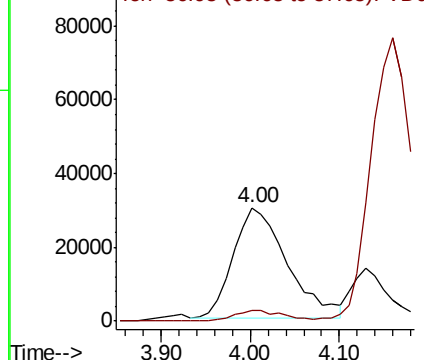
59 100

57 9.9 9.3 13.9



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 48.789 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

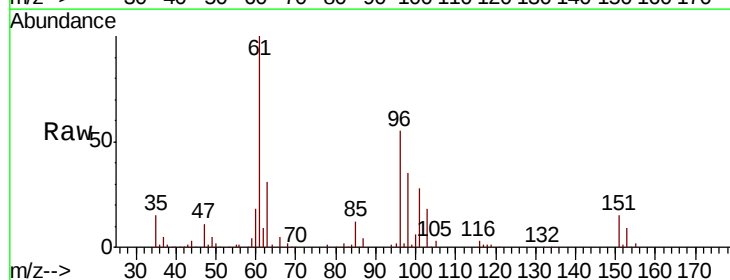
Tgt Ion: 96 Resp: 333513

Ion Ratio Lower Upper

96 100

61 182.7 142.2 213.4

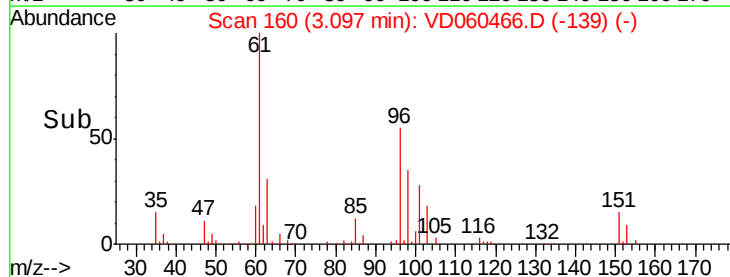
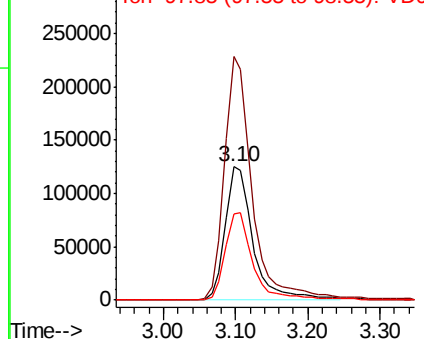
98 64.3 52.6 79.0

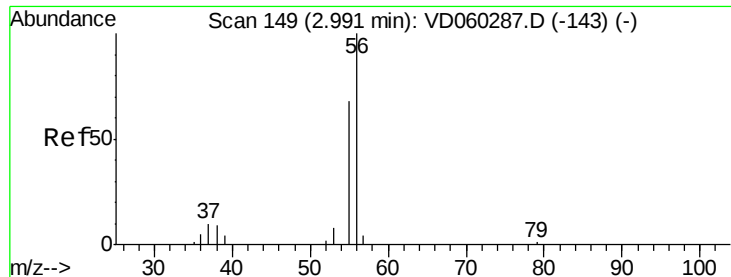


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 180.056 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

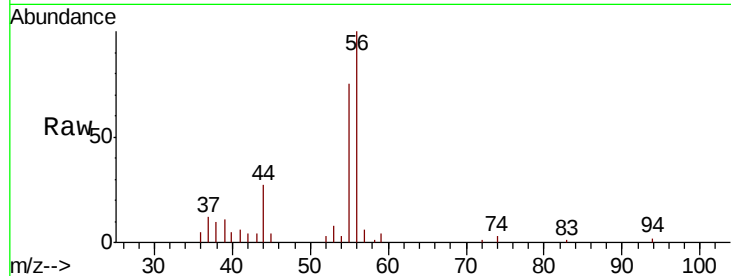
VSTDCCC050

Tot Ion: 56 Resp: 87638

Ion Ratio Lower Upper

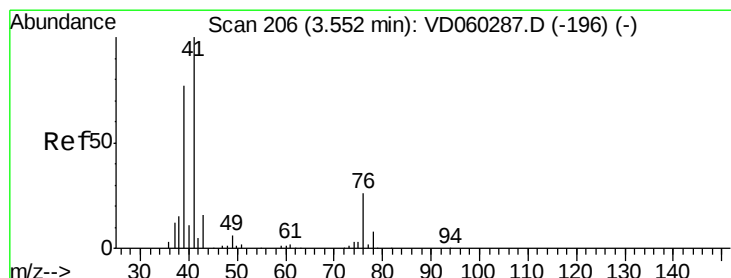
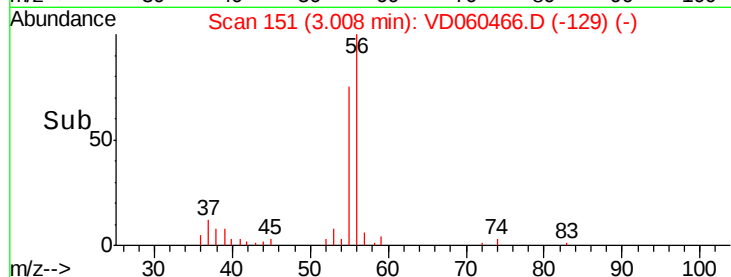
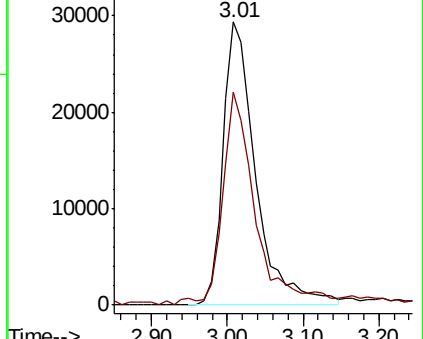
56 100

55 75.1 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: 51.624 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

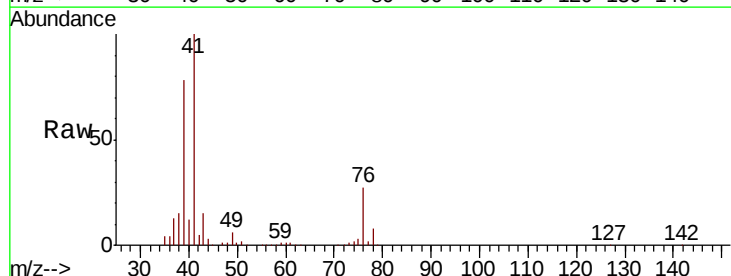
Tgt Ion: 41 Resp: 675229

Ion Ratio Lower Upper

41 100

39 77.9 60.4 90.6

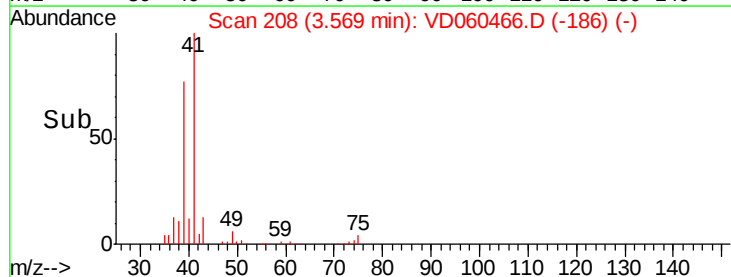
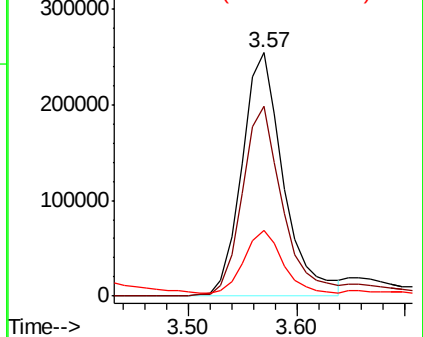
76 27.2 21.8 32.8



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: 284.984 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.03 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

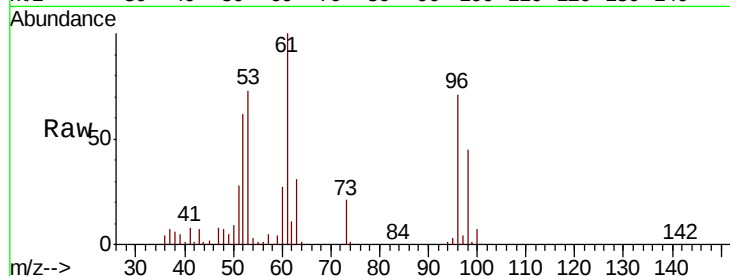
Tot Ion: 53 Resp: 684555

Ion Ratio Lower Upper

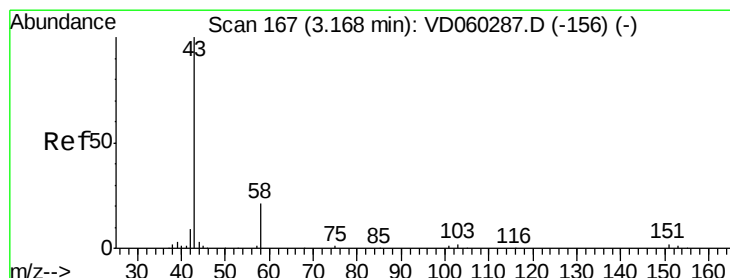
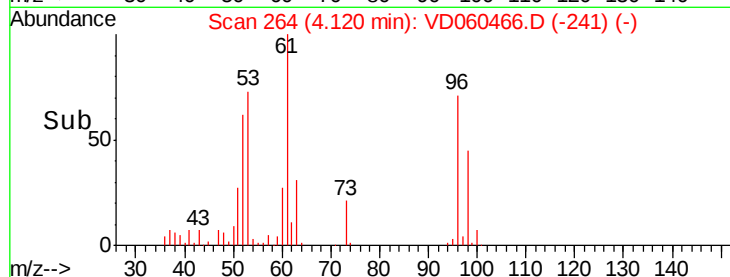
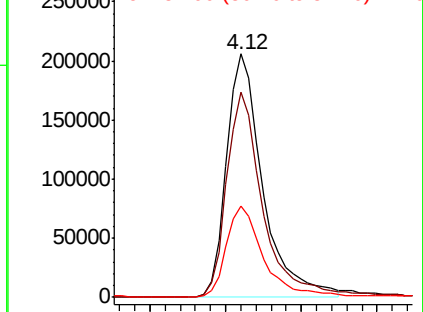
53 100

52 84.3 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: 296.402 ug/l

RT: 3.19 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD060466.D

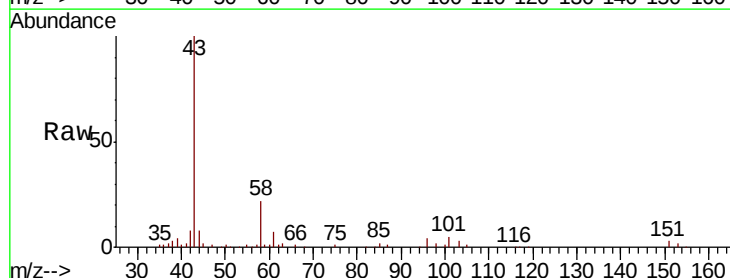
Acq: 3 Dec 2018 10:20

Tgt Ion: 43 Resp: 515746

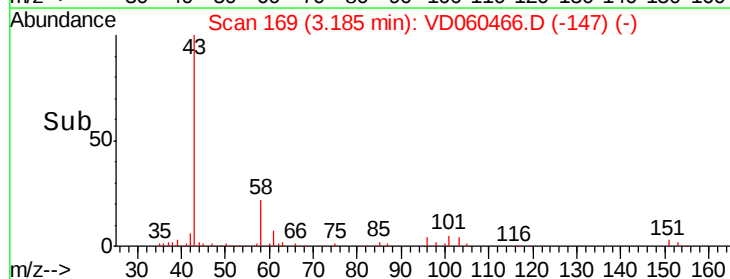
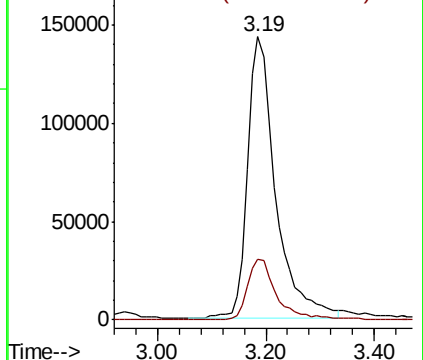
Ion Ratio Lower Upper

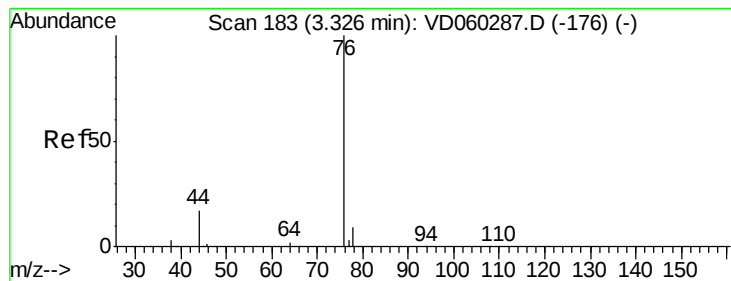
43 100

58 21.5 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: 43.062 ug/l

RT: 3.34 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

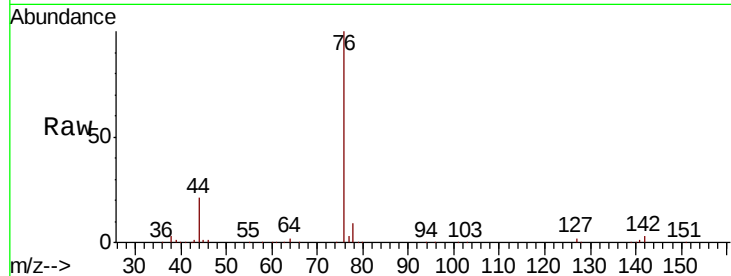
VSTDCCC050

Tot Ion: 76 Resp: 950152

Ion Ratio Lower Upper

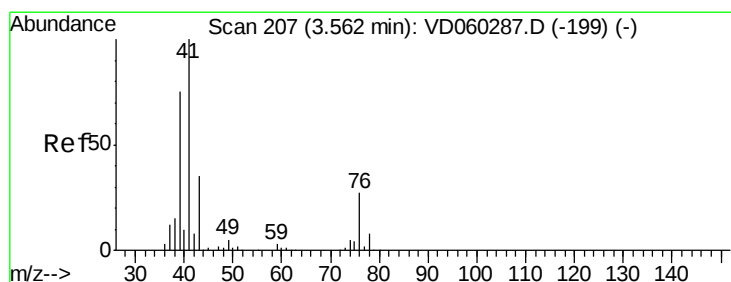
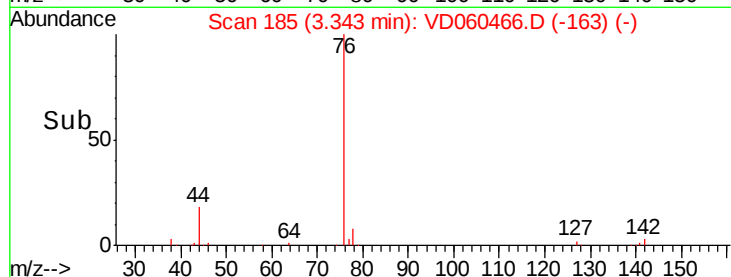
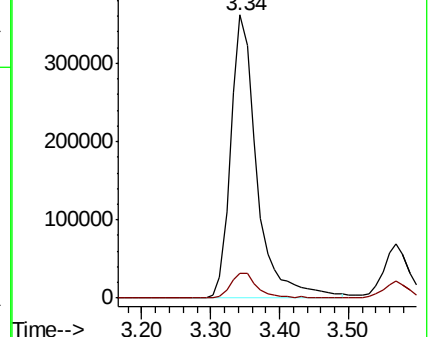
76 100

78 8.7 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: 60.974 ug/l

RT: 3.59 min Scan# 210

Delta R.T. 0.03 min

Lab File: VD060466.D

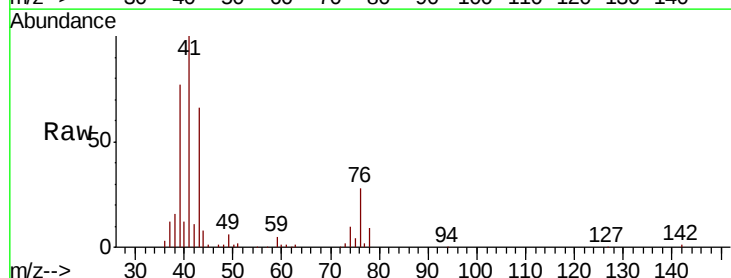
Acq: 3 Dec 2018 10:20

Tgt Ion: 43 Resp: 226223

Ion Ratio Lower Upper

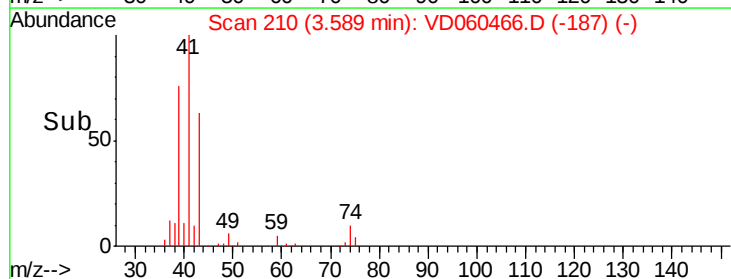
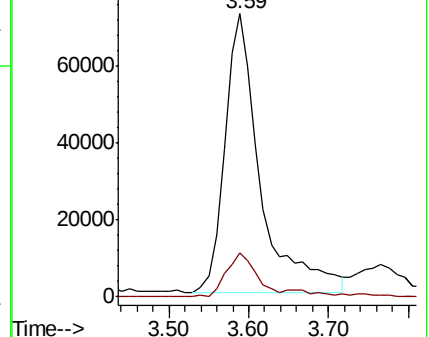
43 100

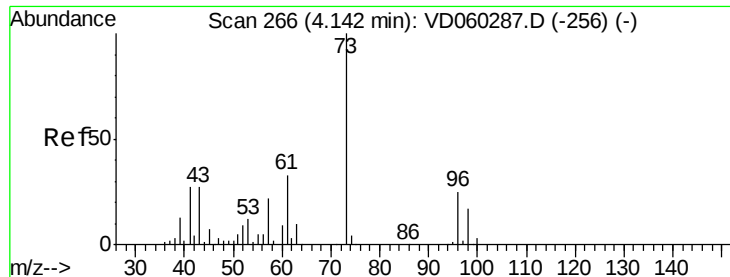
74 15.7 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



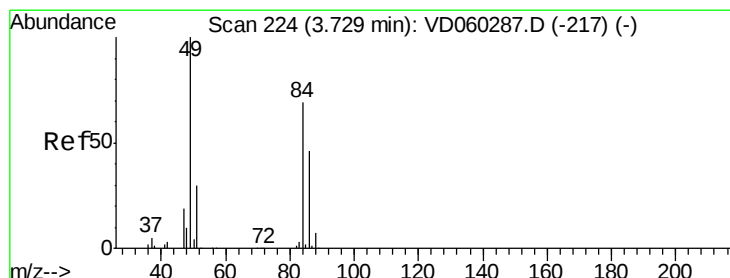
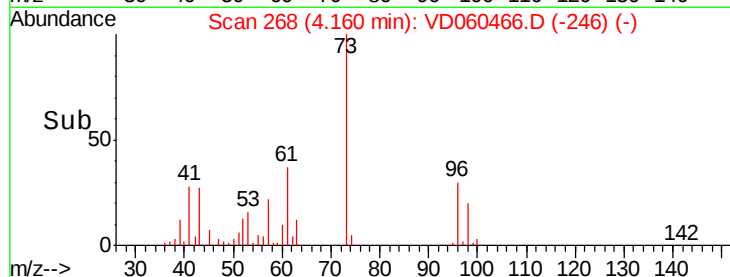
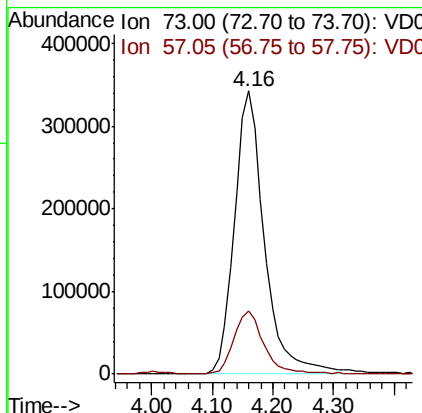
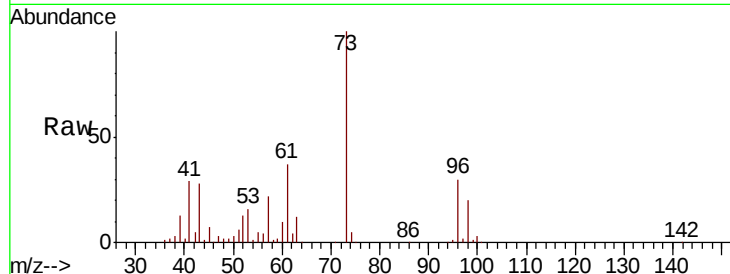


#19

Methyl tert-butyl Ether
 Concen: 57.475 ug/l
 RT: 4.16 min Scan# 268
 Delta R.T. 0.02 min
 Lab File: VD060466.D
 Acq: 3 Dec 2018 10:20

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

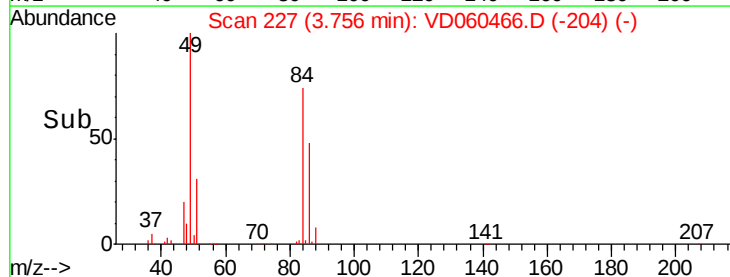
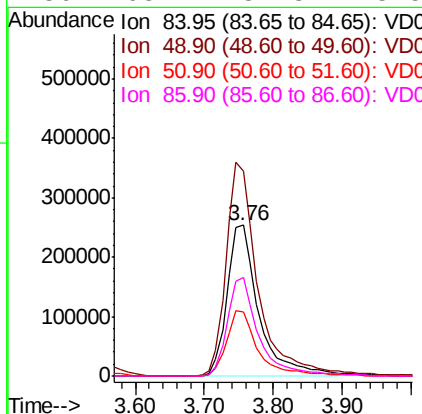
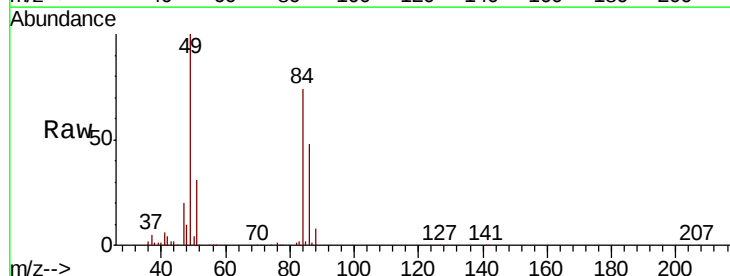
Tot Ion: 73 Resp: 1176468
 Ion Ratio Lower Upper
 73 100
 57 22.4 18.1 27.1

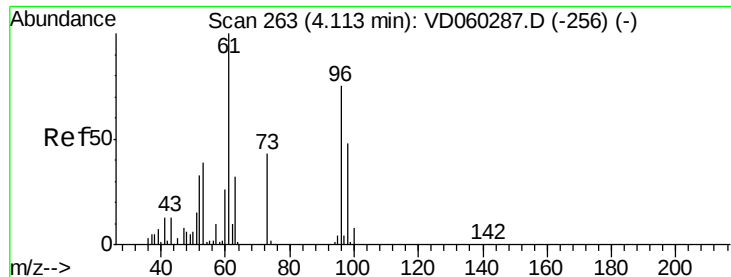


#20

Methylene Chloride
 Concen: 52.267 ug/l
 RT: 3.76 min Scan# 227
 Delta R.T. 0.03 min
 Lab File: VD060466.D
 Acq: 3 Dec 2018 10:20

Tgt Ion: 84 Resp: 806762
 Ion Ratio Lower Upper
 84 100
 49 135.9 115.6 173.4
 51 42.4 35.6 53.4
 86 65.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 53.609 ug/l

RT: 4.13 min Scan# 265

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

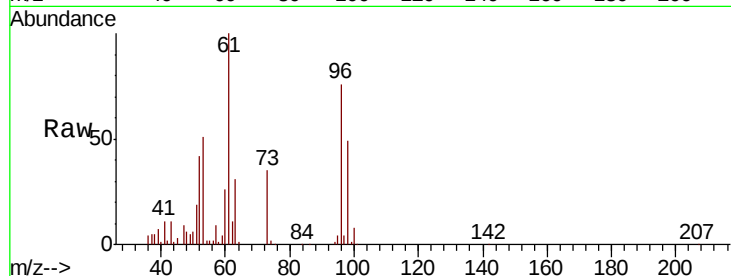
Tot Ion: 96 Resp: 813678

Ion Ratio Lower Upper

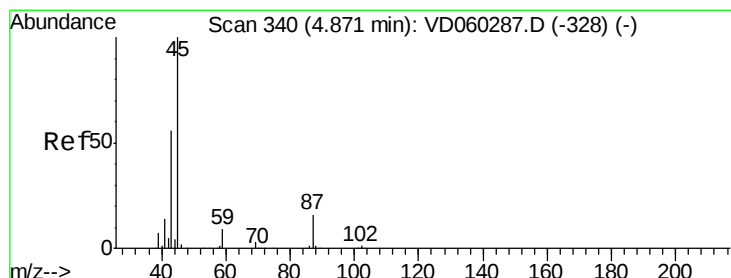
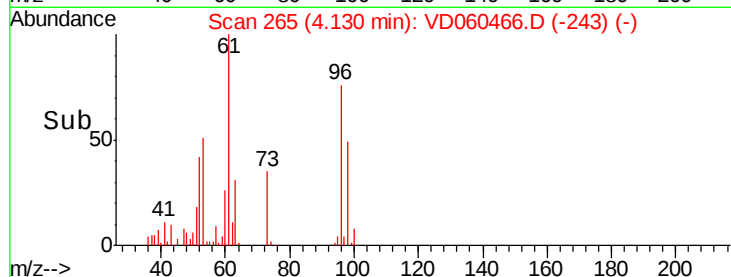
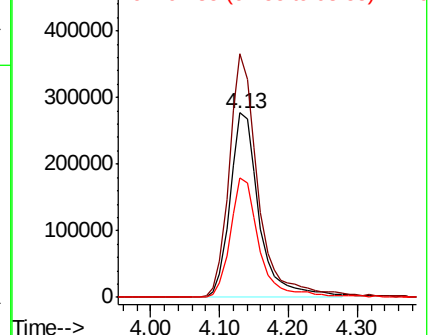
96 100

61 132.1 105.8 158.6

98 64.8 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: 54.709 ug/l

RT: 4.89 min Scan# 342

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Tgt Ion: 45 Resp: 2673426

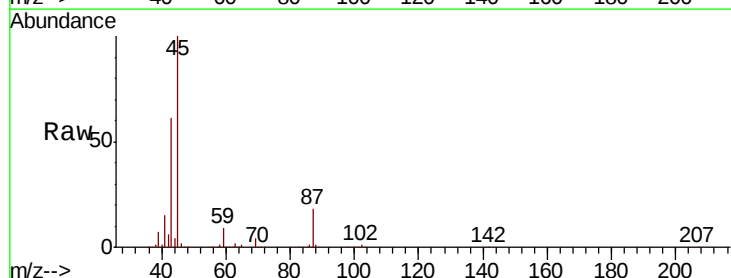
Ion Ratio Lower Upper

45 100

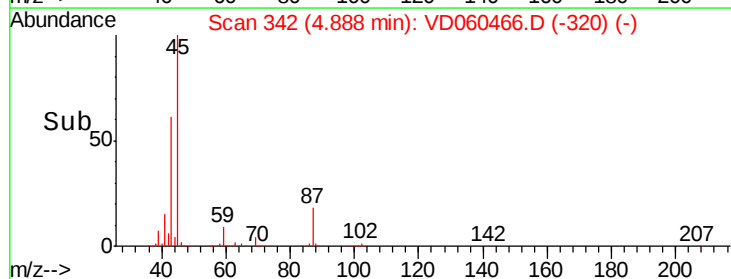
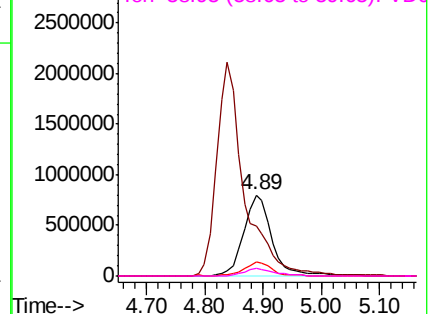
43 61.2 44.9 67.3

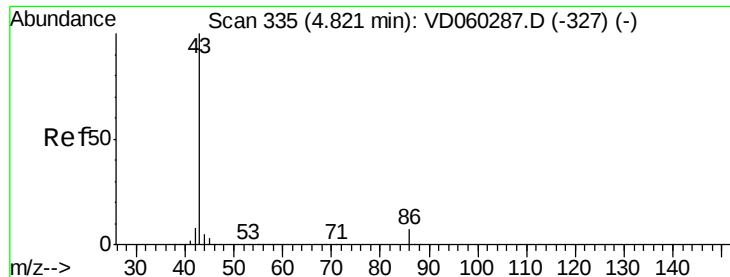
87 17.5 13.9 20.9

59 8.9 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

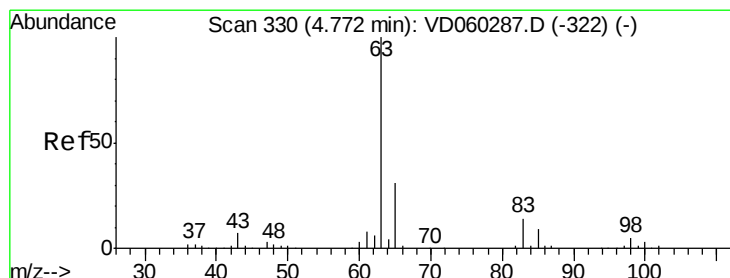
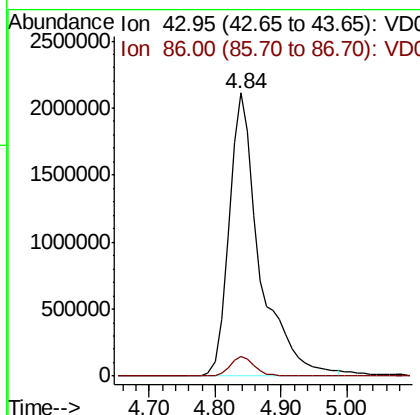
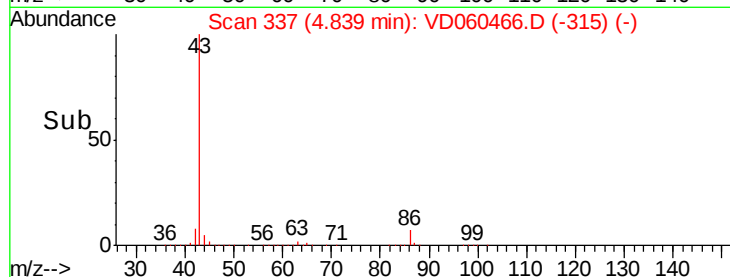
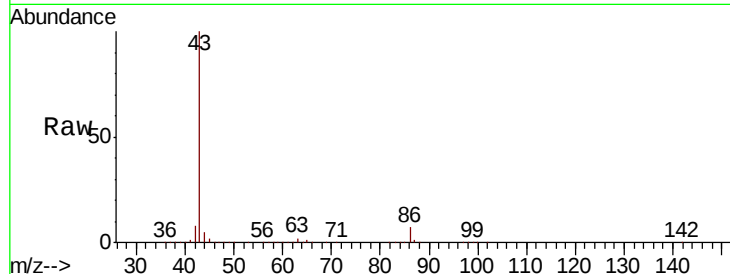




#23
 Vinyl Acetate
 Concen: 282.858 ug/l
 RT: 4.84 min Scan# 337
 Delta R.T. 0.02 min
 Lab File: VD060466.D
 Acq: 3 Dec 2018 10:20

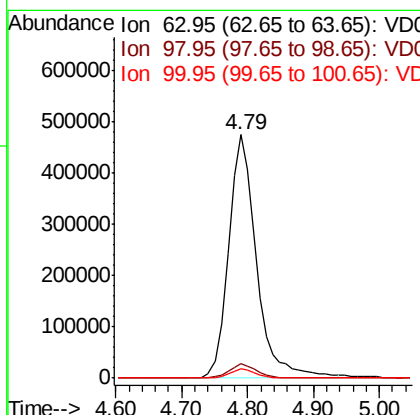
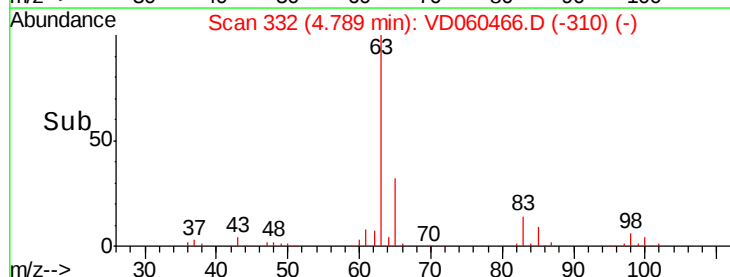
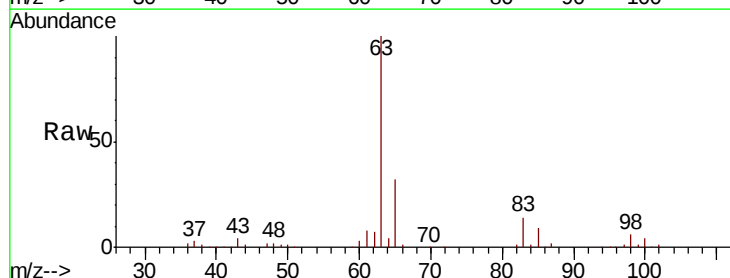
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 6877702
 Ion Ratio Lower Upper
 43 100
 86 7.1 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 56.082 ug/l
 RT: 4.79 min Scan# 332
 Delta R.T. 0.02 min
 Lab File: VD060466.D
 Acq: 3 Dec 2018 10:20

Tgt Ion: 63 Resp: 1405327
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.8 8.4
 100 3.6 1.8 5.5





#25

2-Butanone

Concen: 289.934 ug/l

RT: 5.66 min Scan# 420

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

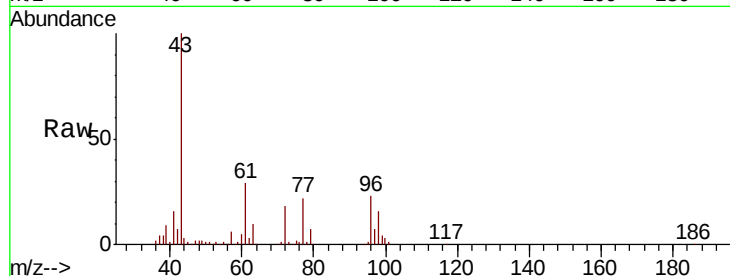
VSTDCCC050

Tot Ion: 43 Resp: 1048617

Ion Ratio Lower Upper

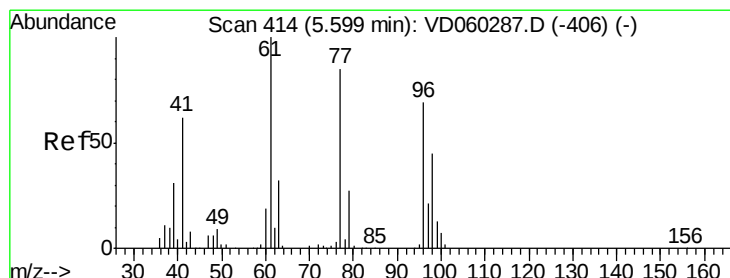
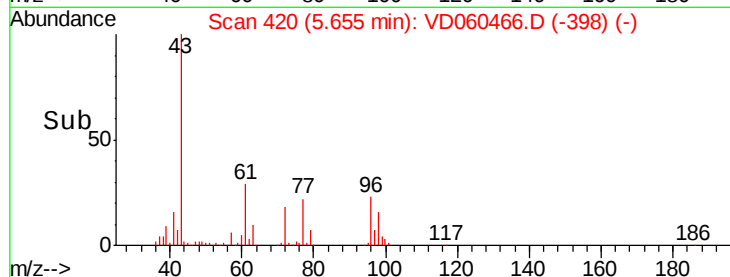
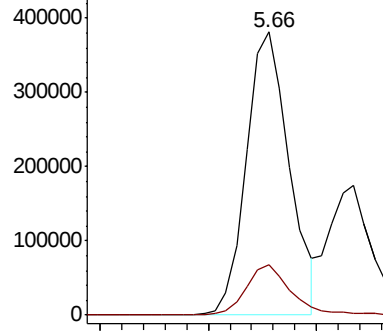
43 100

72 17.9 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: 57.694 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060466.D

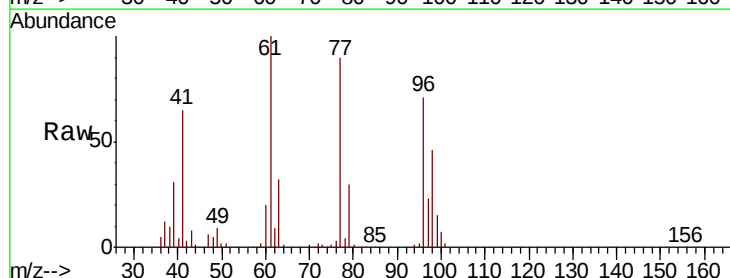
Acq: 3 Dec 2018 10:20

Tgt Ion: 77 Resp: 1123986

Ion Ratio Lower Upper

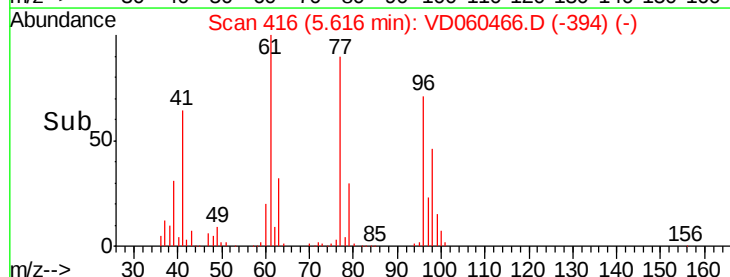
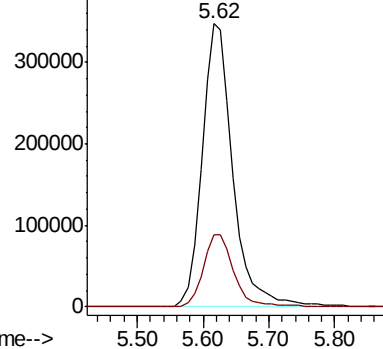
77 100

97 25.5 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



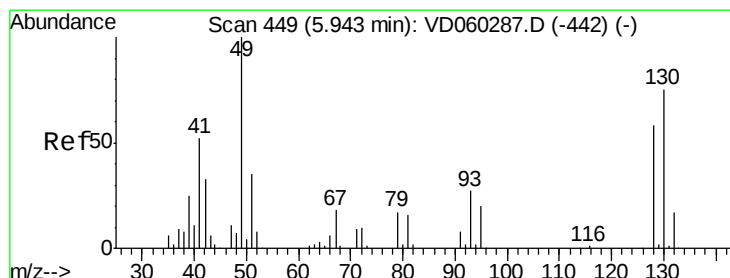
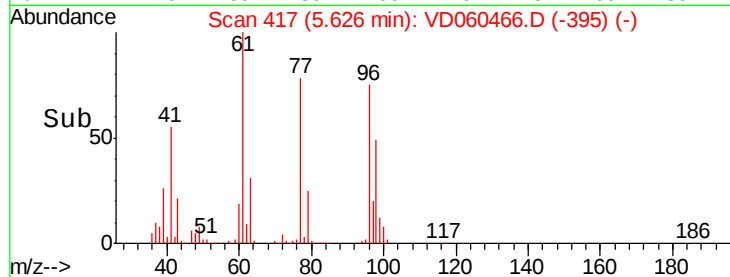
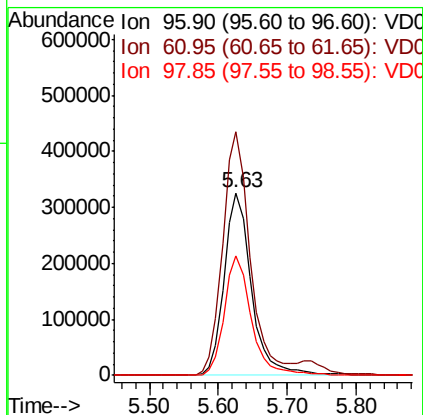
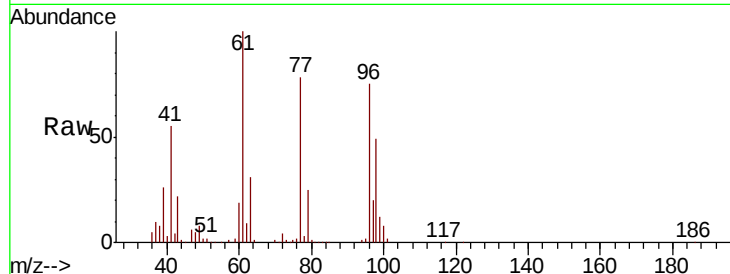


#27

cis-1,2-Dichloroethene
 Concen: 56.694 ug/l
 RT: 5.63 min Scan# 417
 Delta R.T. 0.02 min
 Lab File: VD060466.D
 Acq: 3 Dec 2018 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

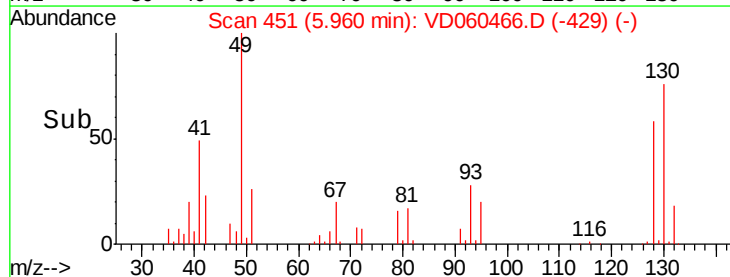
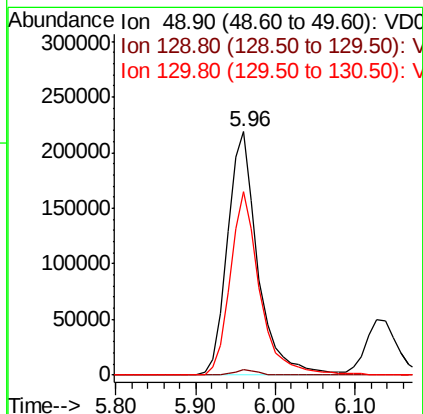
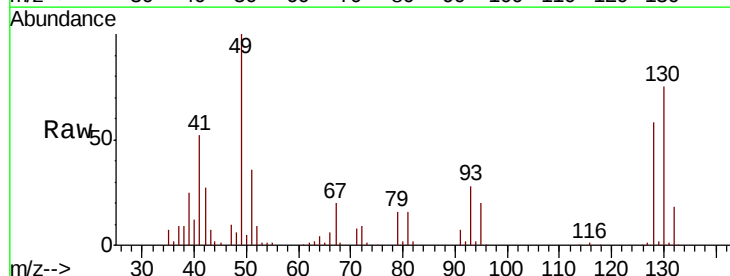
Tot Ion	96	Resp	896456
Ion Ratio	Lower	Upper	
96	100		
61	133.4	0.0	259.0
98	65.8	0.0	128.8



#28

Bromochloromethane
 Concen: 52.665 ug/l
 RT: 5.96 min Scan# 451
 Delta R.T. 0.02 min
 Lab File: VD060466.D
 Acq: 3 Dec 2018 10:20

Tgt Ion	49	Resp	582292
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	2.8
130	75.4	53.6	80.4





#29

Tetrahydrofuran

Concen: 272.314 ug/l

RT: 5.99 min Scan# 454

Delta R.T. 0.03 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

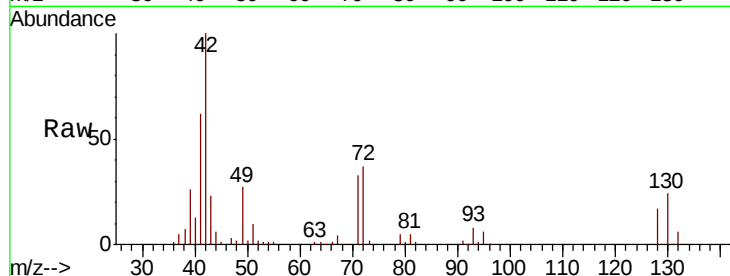
Tot Ion: 42 Resp: 519261

Ion Ratio Lower Upper

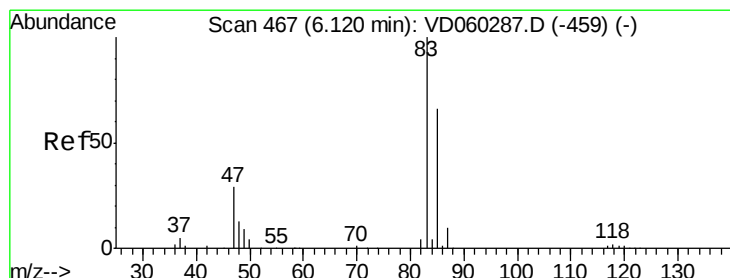
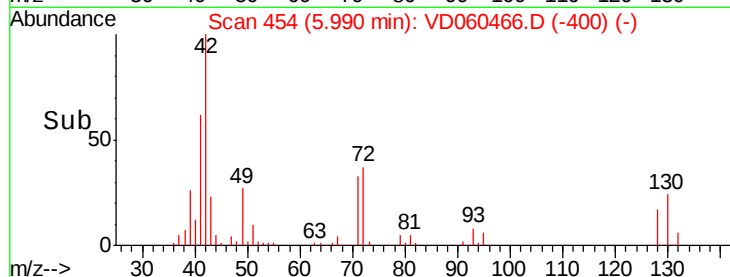
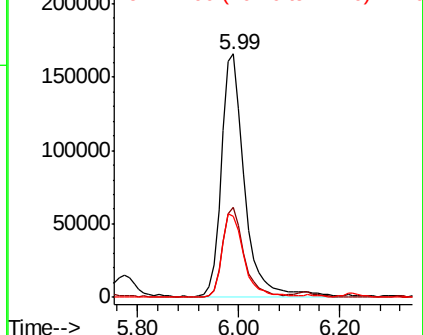
42 100

72 35.0 27.6 41.4

71 33.7 26.5 39.7



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



#30

Chloroform

Concen: 56.733 ug/l

RT: 6.14 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD060466.D

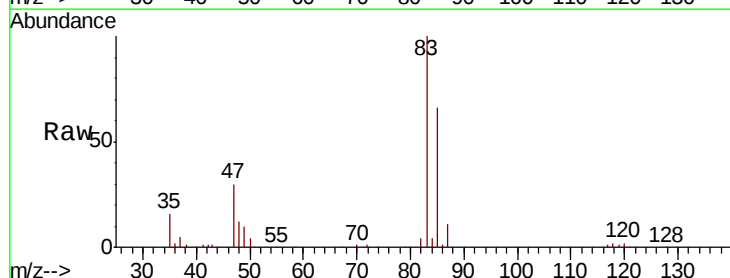
Acq: 3 Dec 2018 10:20

Tgt Ion: 83 Resp: 1421213

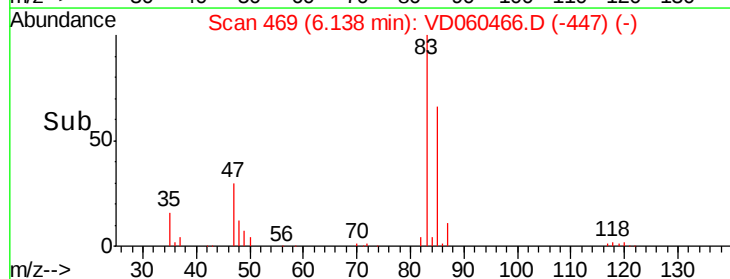
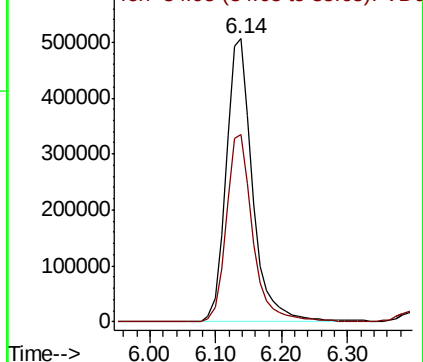
Ion Ratio Lower Upper

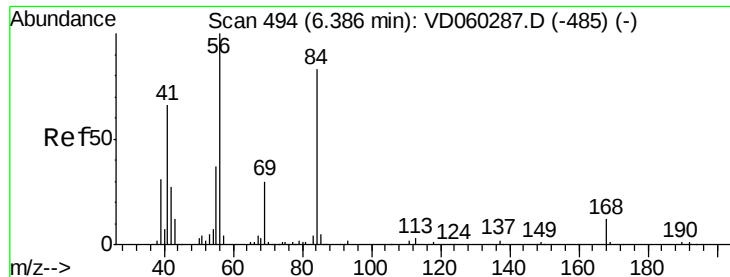
83 100

85 66.3 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 47.374 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.01 min

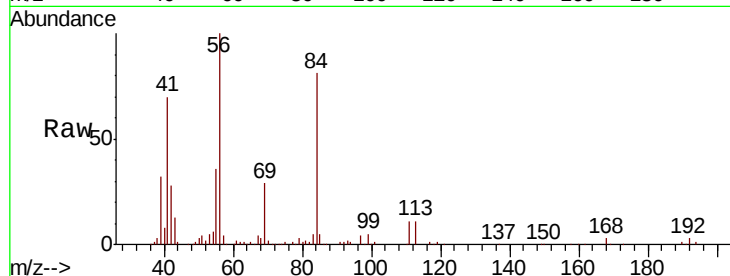
Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

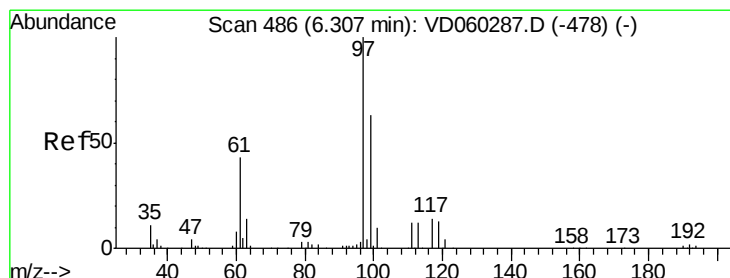
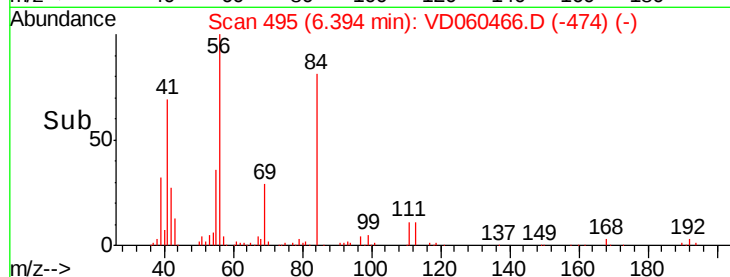
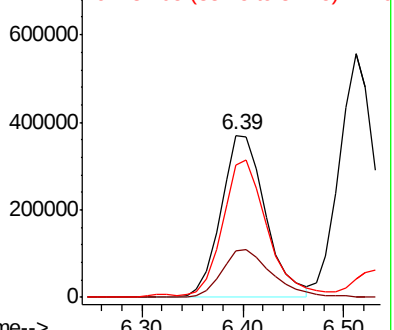
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1134636

Ion	Ratio	Lower	Upper
56	100		
69	28.6	22.2	33.2
84	81.5	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: 57.054 ug/l

RT: 6.32 min Scan# 488

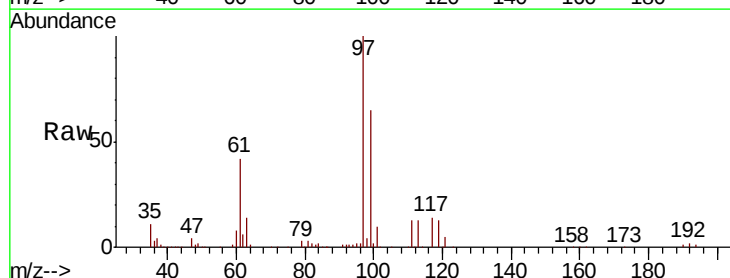
Delta R.T. 0.02 min

Lab File: VD060466.D

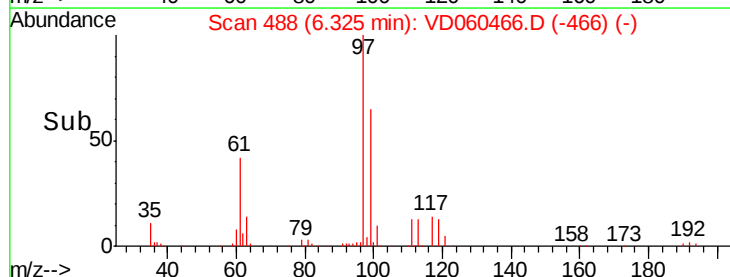
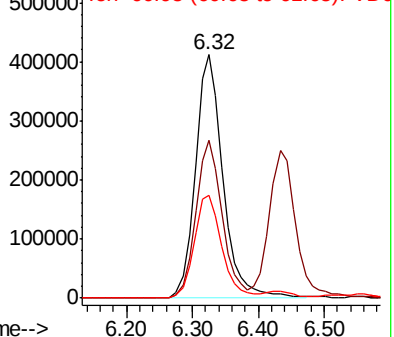
Acq: 3 Dec 2018 10:20

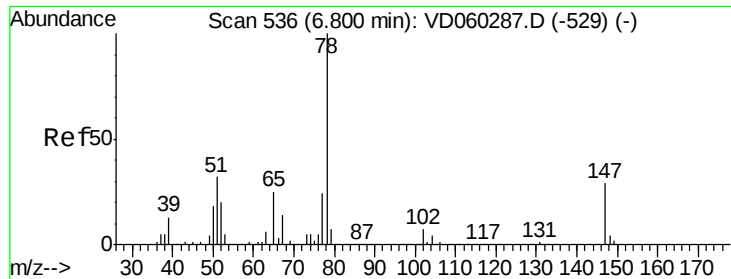
Tgt Ion: 97 Resp: 1203928

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.5	77.3
61	42.4	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: 57.054 ug/l

RT: 6.82 min Scan# 538

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

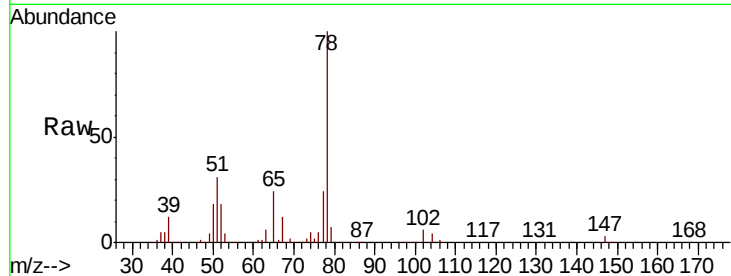
VSTDCCC050

Tot Ion: 65 Resp: 543579

Ion Ratio Lower Upper

65 100

67 51.2 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.82

200000

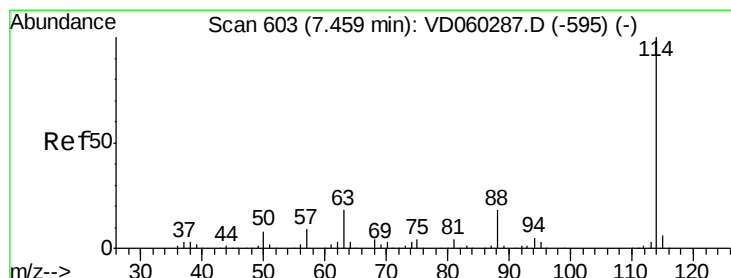
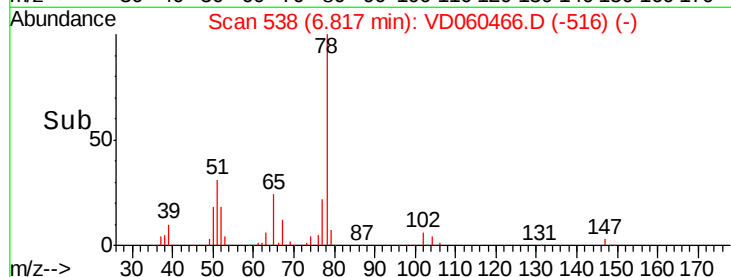
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.48 min Scan# 605

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

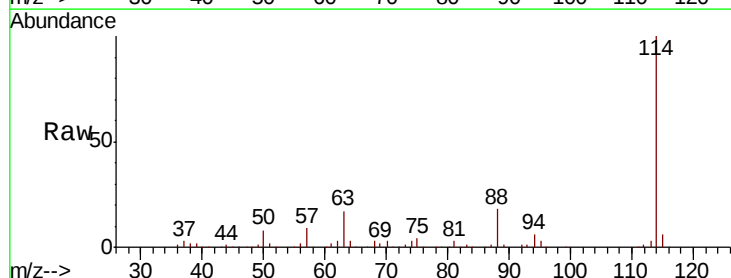
Tgt Ion: 114 Resp: 1960288

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.0

88 18.1 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.48

1000000

800000

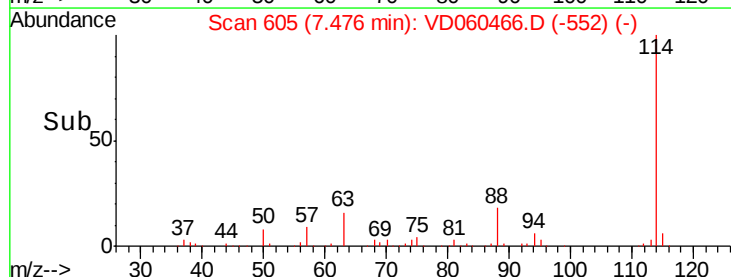
600000

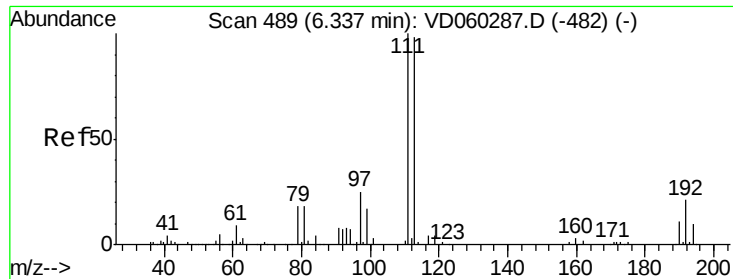
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.35 min Scan# 491

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

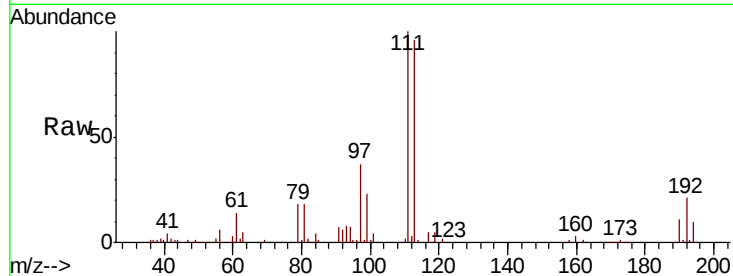
Tot Ion:113 Resp: 822876

Ion Ratio Lower Upper

113 100

111 104.3 81.6 122.4

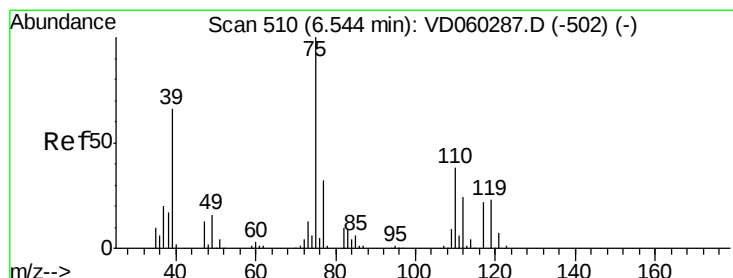
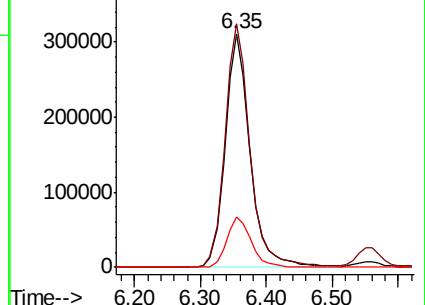
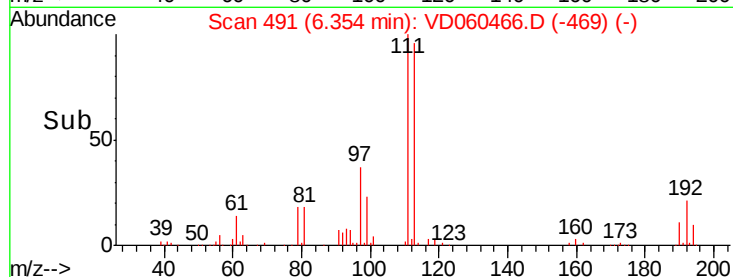
192 21.6 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.766 ug/l

RT: 6.55 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

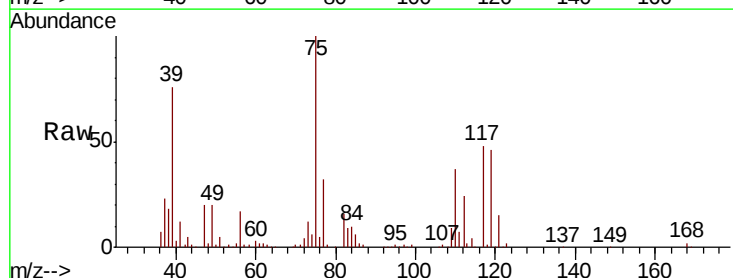
Tgt Ion: 75 Resp: 1021914

Ion Ratio Lower Upper

75 100

110 36.8 18.0 54.0

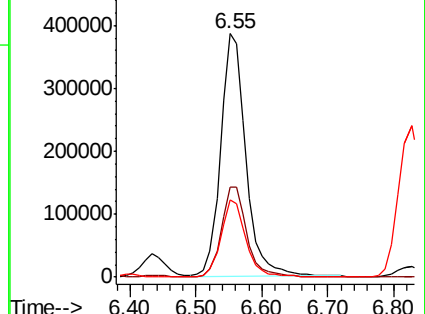
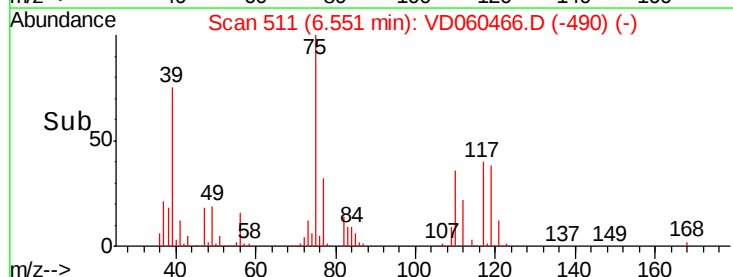
77 31.6 25.6 38.4

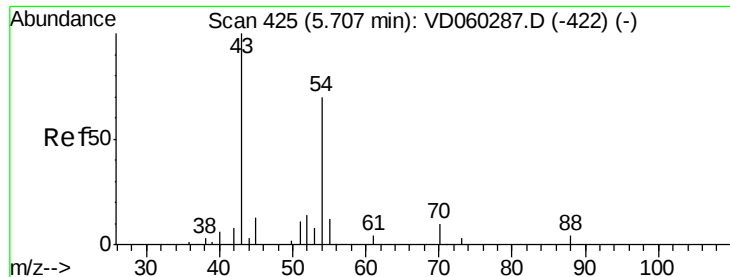


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

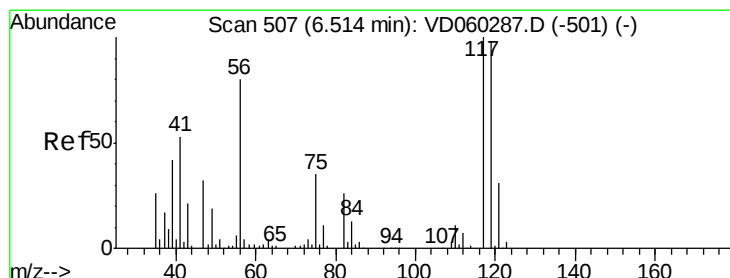
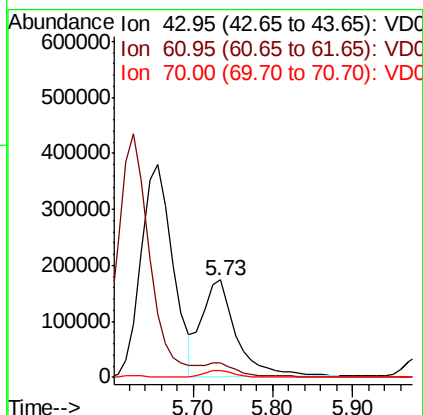
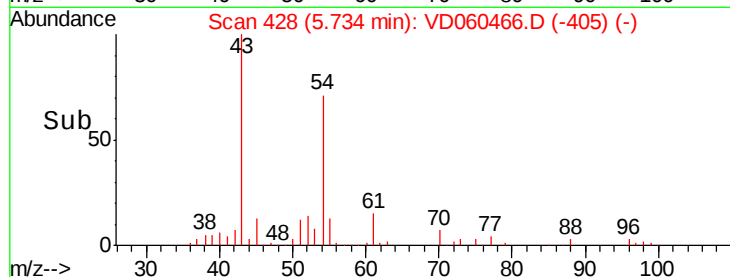
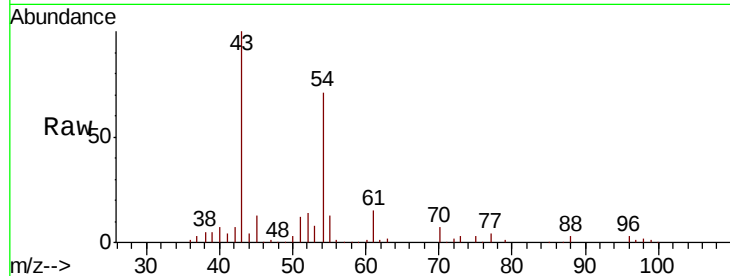




#37
Ethyl Acetate
Concen: 57.274 ug/l
RT: 5.73 min Scan# 428
Delta R.T. 0.03 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

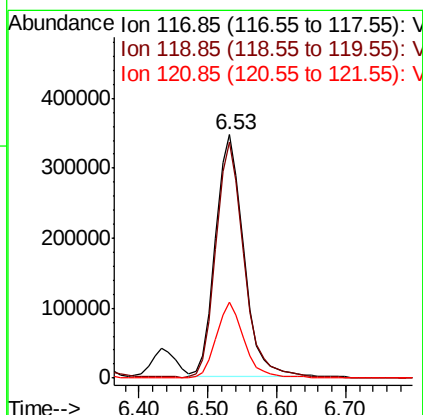
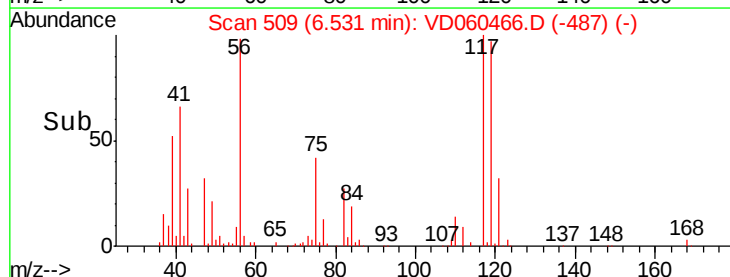
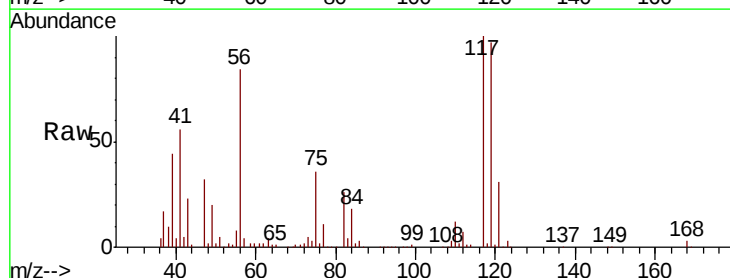
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

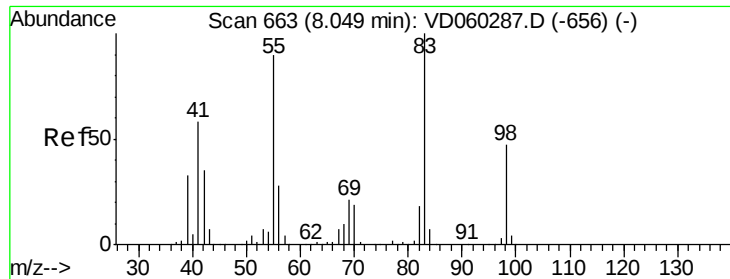
Tot Ion: 43 Resp: 510414
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 7.3 6.2 9.4



#38
Carbon Tetrachloride
Concen: 54.852 ug/l
RT: 6.53 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

Tgt Ion: 117 Resp: 985426
Ion Ratio Lower Upper
117 100
119 97.1 76.6 115.0
121 31.4 24.3 36.5

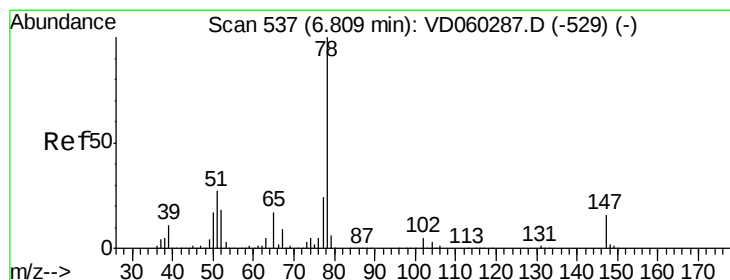
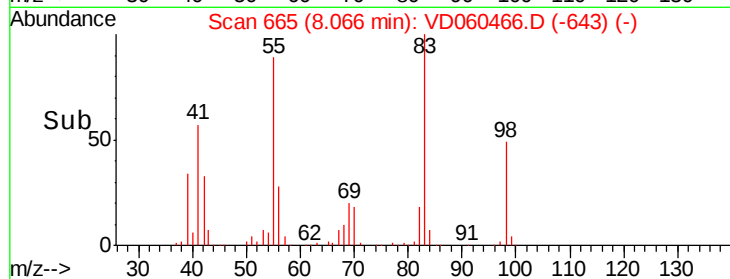
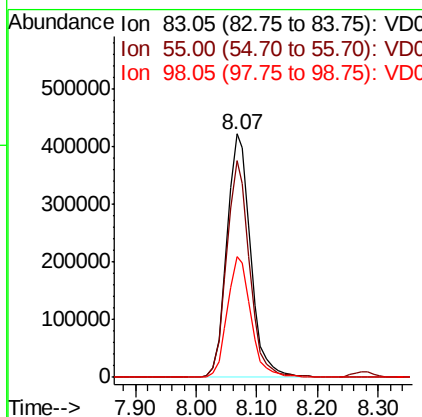
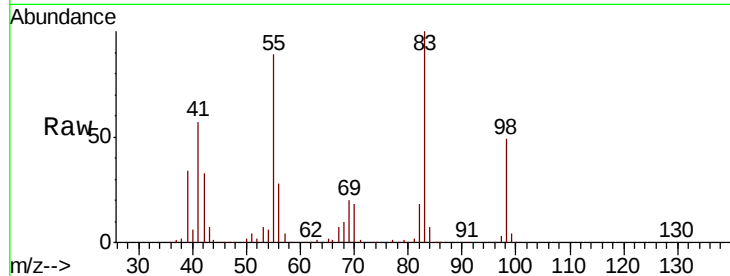




#39
Methvlcvclohexane
Concen: 51.624 ug/l
RT: 8.07 min Scan# 665
Delta R.T. 0.02 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

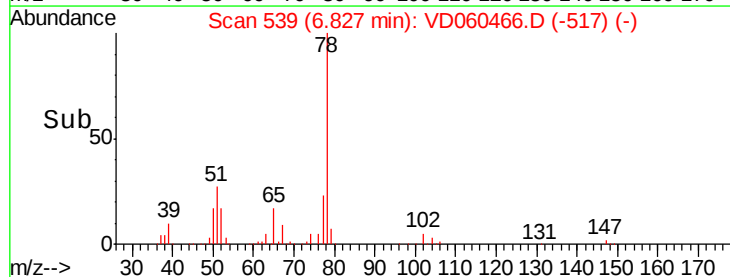
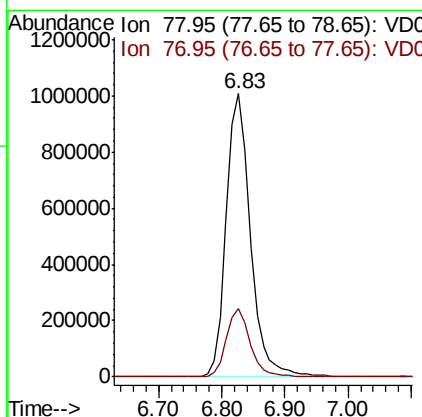
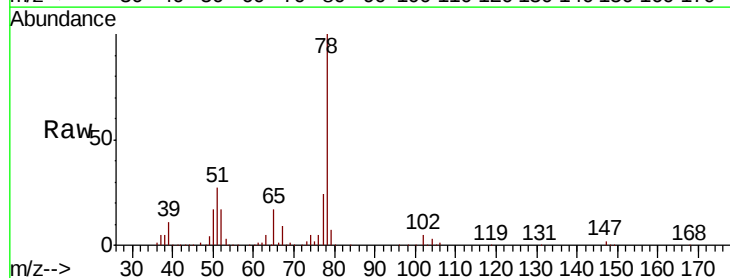
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1149907
Ion Ratio Lower Upper
83 100
55 89.2 71.2 106.8
98 49.4 38.4 57.6



#40
Benzene
Concen: 54.377 ug/l
RT: 6.83 min Scan# 539
Delta R.T. 0.02 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

Tgt Ion: 78 Resp: 2688161
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2

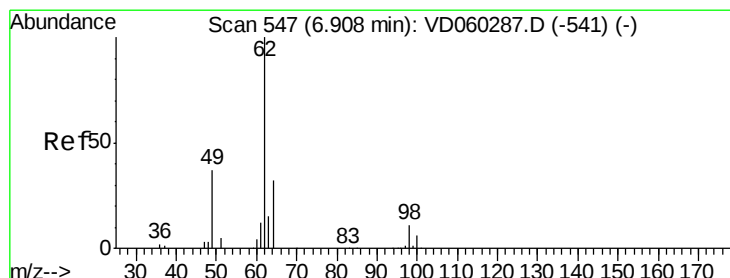
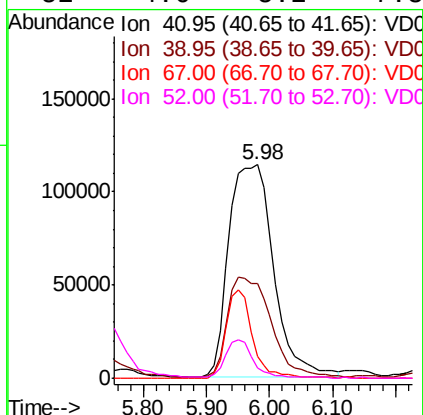
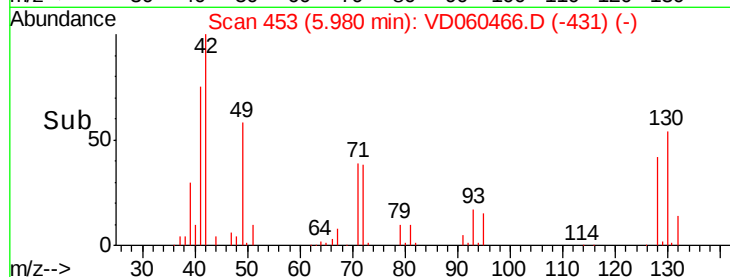
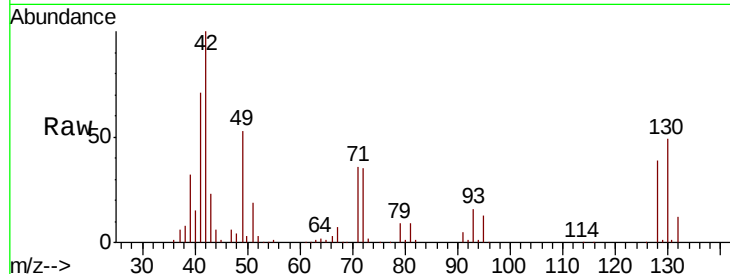




#41
Methacrylonitrile
Concen: 54.996 ug/l
RT: 5.98 min Scan# 453
Delta R.T. 0.02 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

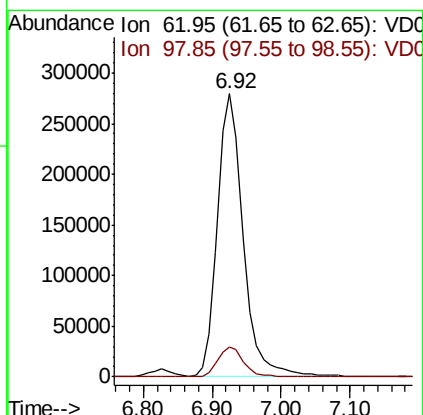
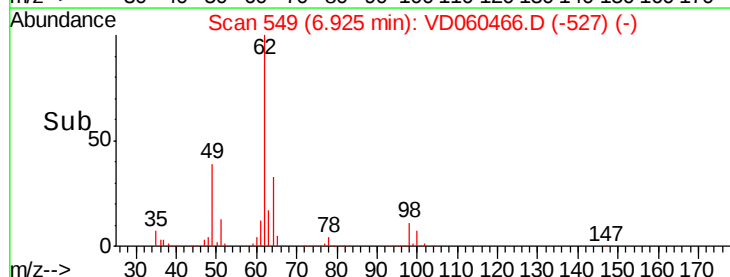
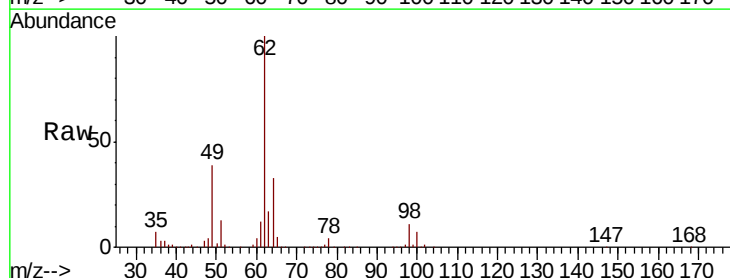
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

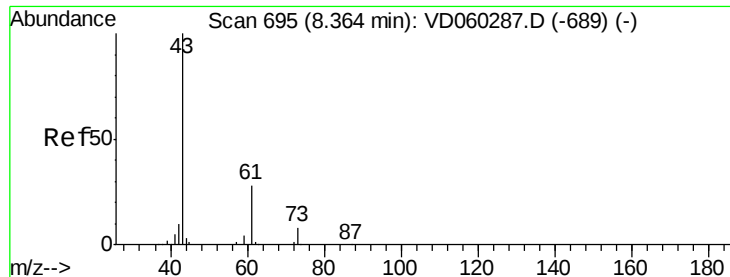
Tot Ion: 41 Resp: 560963
Ion Ratio Lower Upper
41 100
39 44.7 36.2 54.2
67 10.3 11.9 17.9#
52 4.6 5.2 7.8#



#42
1,2-Dichloroethane
Concen: 55.598 ug/l
RT: 6.92 min Scan# 549
Delta R.T. 0.02 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

Tgt Ion: 62 Resp: 719420
Ion Ratio Lower Upper
62 100
98 10.6 0.0 22.0





#43

Isopropyl Acetate

Concen: 57.119 ug/l

RT: 8.37 min Scan# 696

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

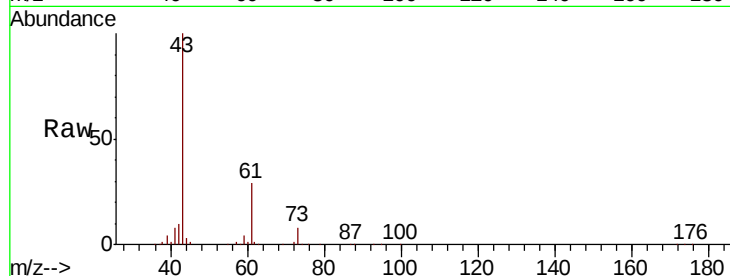
Tot Ion: 43 Resp: 639411

Ion Ratio Lower Upper

43 100

61 28.7 22.3 33.5

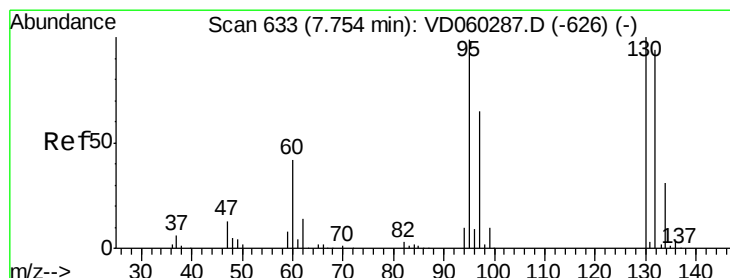
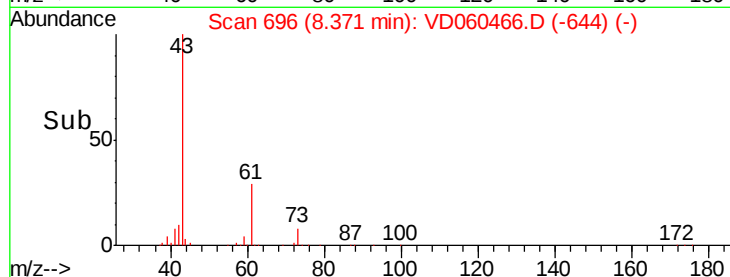
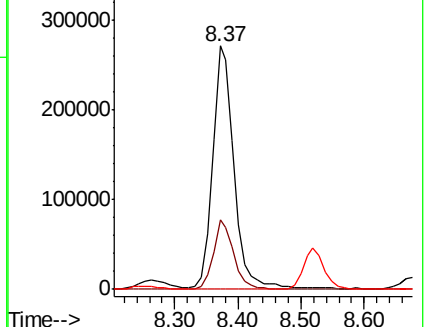
87 0.2 0.2 0.2



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



#44

Trichloroethene

Concen: 56.506 ug/l

RT: 7.77 min Scan# 635

Delta R.T. 0.02 min

Lab File: VD060466.D

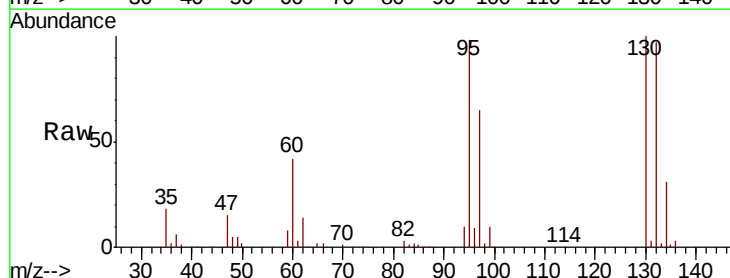
Acq: 3 Dec 2018 10:20

Tgt Ion:130 Resp: 846793

Ion Ratio Lower Upper

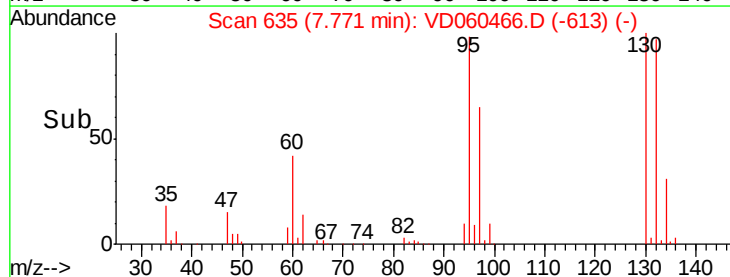
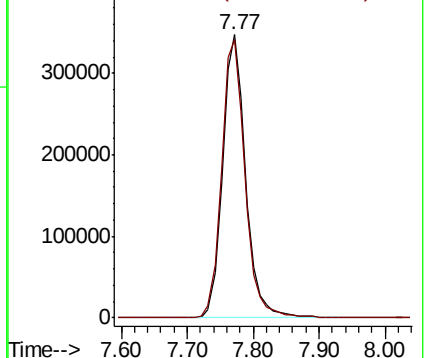
130 100

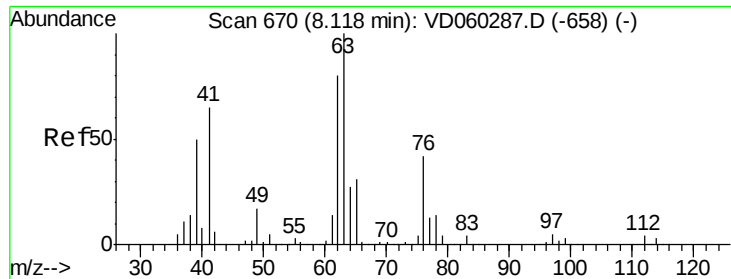
95 98.1 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 56.573 ug/l

RT: 8.14 min Scan# 672

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

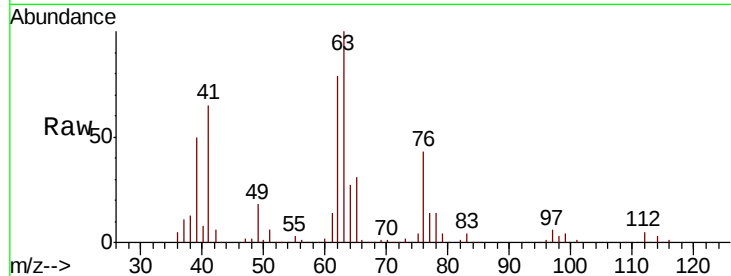
VSTDCCC050

Tot Ion: 63 Resp: 705346

Ion Ratio Lower Upper

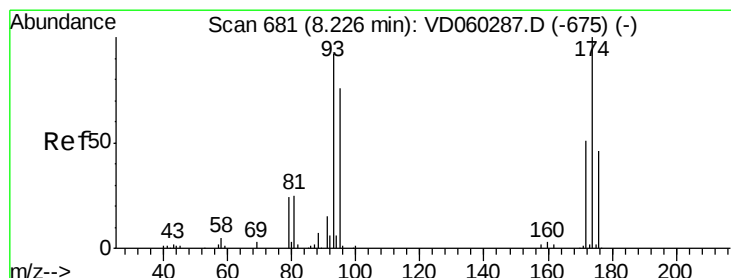
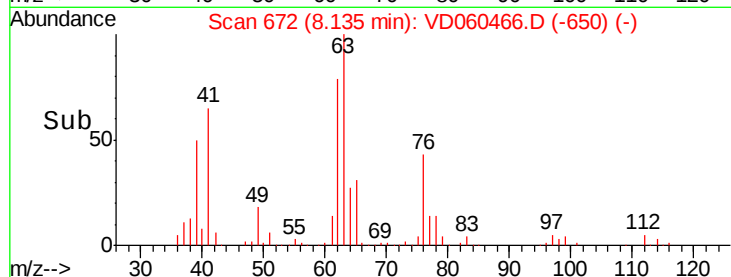
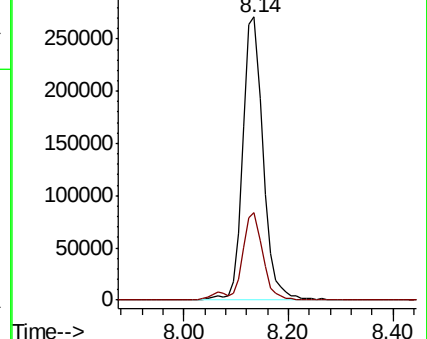
63 100

65 30.9 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 57.804 ug/l

RT: 8.24 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

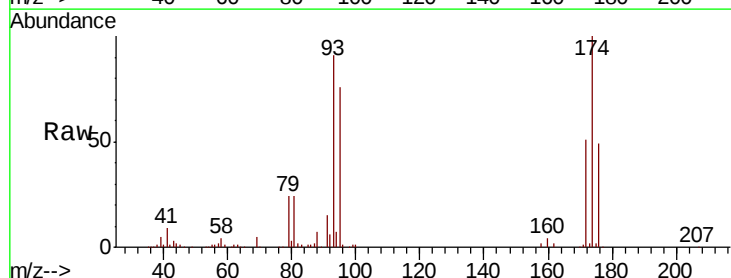
Tgt Ion: 93 Resp: 422095

Ion Ratio Lower Upper

93 100

95 83.9 66.4 99.6

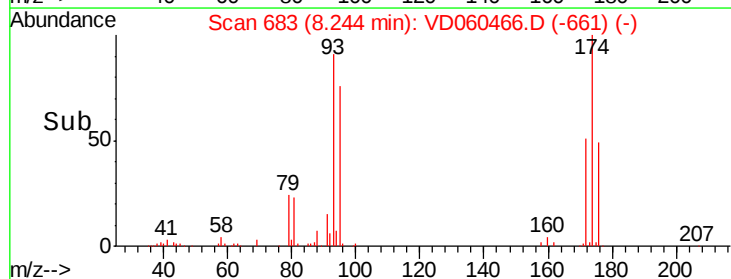
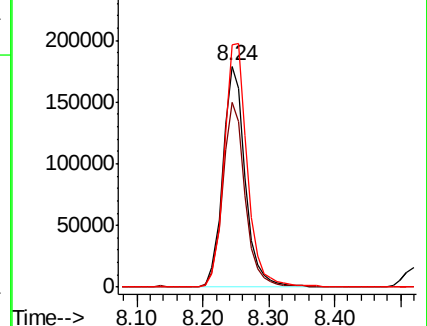
174 109.9 87.8 131.8



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





#47

Bromodichloromethane

Concen: 58.490 ug/l

RT: 8.52 min Scan# 711

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

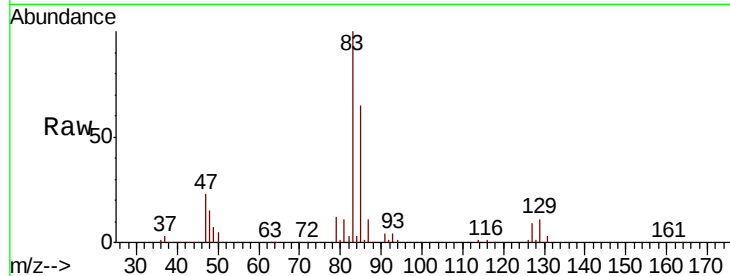
Tot Ion: 83 Resp: 1006458

Ion Ratio Lower Upper

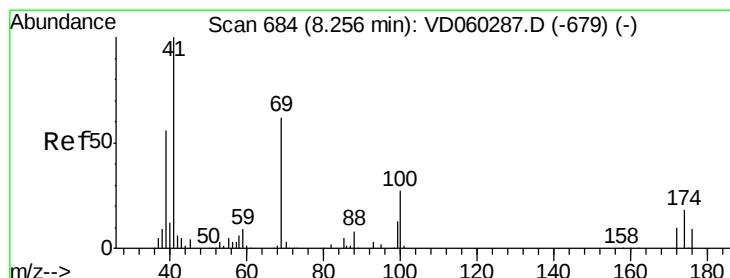
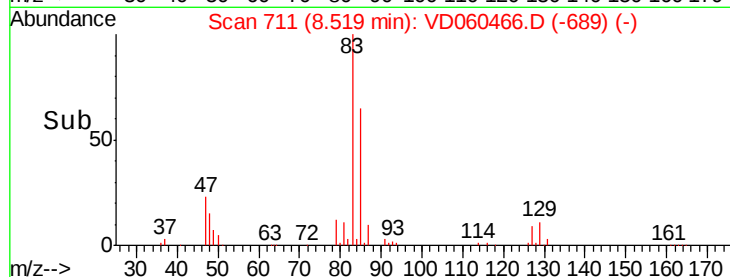
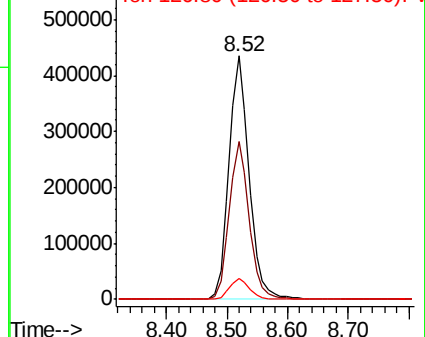
83 100

85 64.9 51.0 76.6

127 8.6 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: 57.823 ug/l

RT: 8.27 min Scan# 686

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

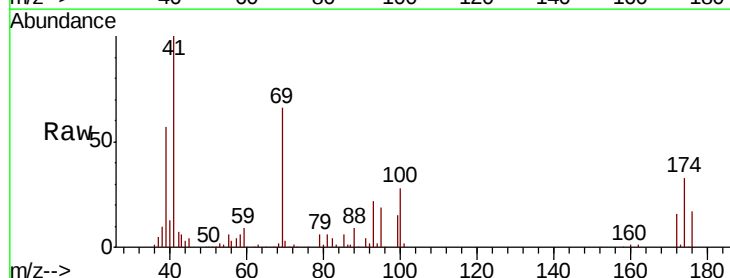
Tgt Ion: 41 Resp: 393180

Ion Ratio Lower Upper

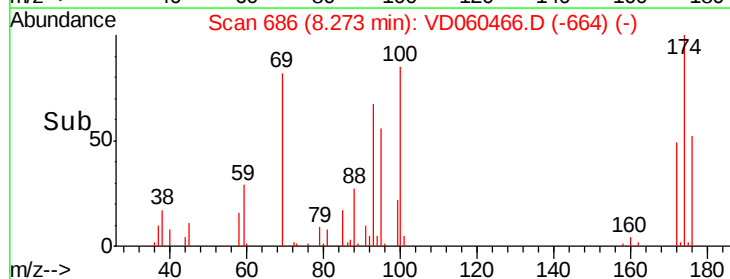
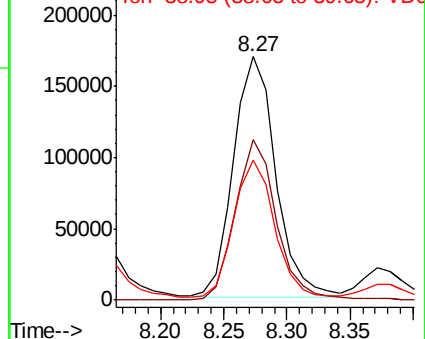
41 100

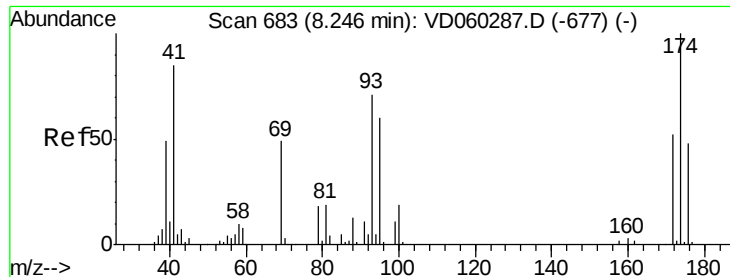
69 65.9 47.0 70.4

39 57.2 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: 1224.958 ug/l

RT: 8.25 min Scan# 684

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

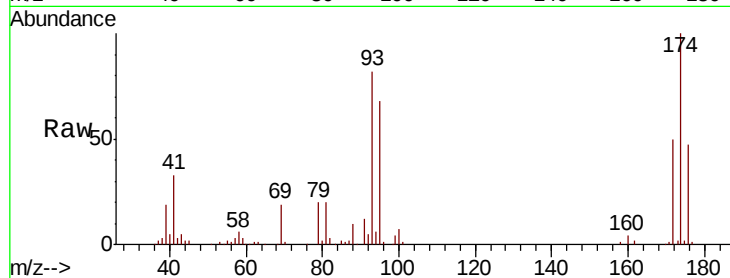
Tot Ion: 88 Resp: 72068

Ion Ratio Lower Upper

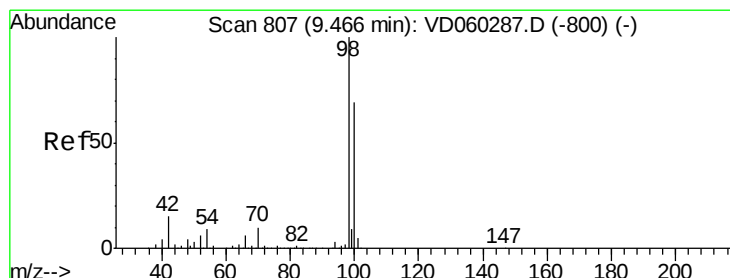
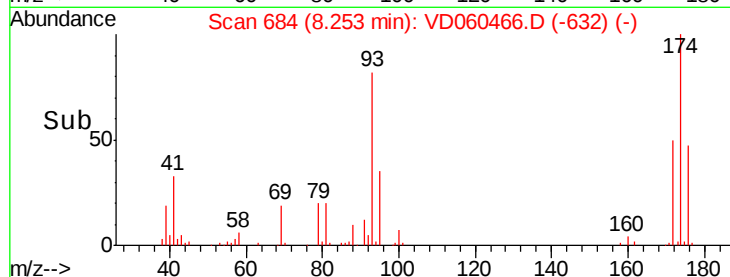
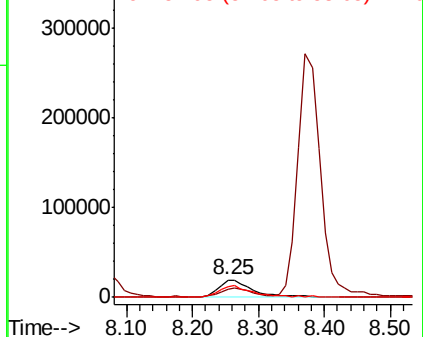
88 100

43 46.8 39.7 59.5

58 60.6 60.2 90.2



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1224.958 ug/l

RT: 9.48 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD060466.D

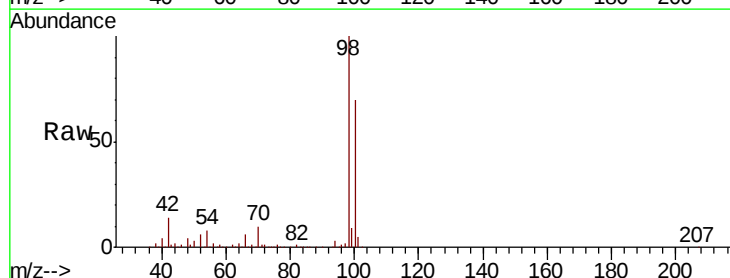
Acq: 3 Dec 2018 10:20

Tgt Ion: 98 Resp: 2258301

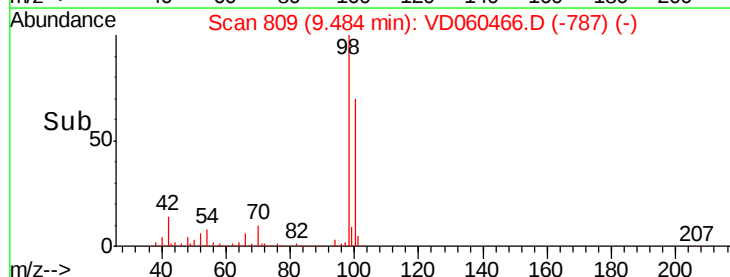
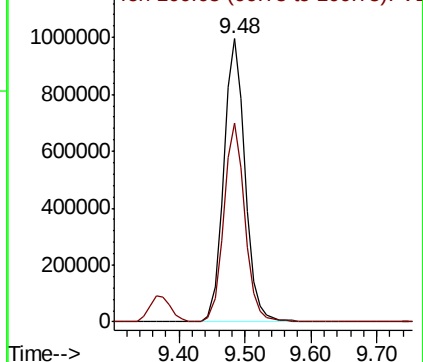
Ion Ratio Lower Upper

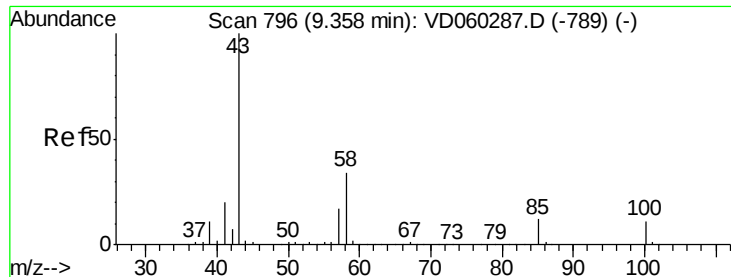
98 100

100 70.4 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 278.865 ug/l

RT: 9.37 min Scan# 797

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

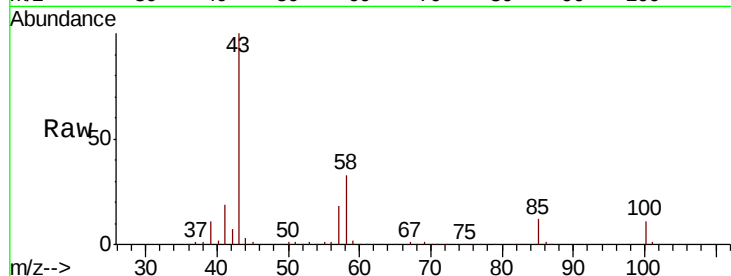
VSTDCCC050

Tot Ion: 43 Resp: 2031801

Ion Ratio Lower Upper

43 100

58 33.2 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1000000

800000

600000

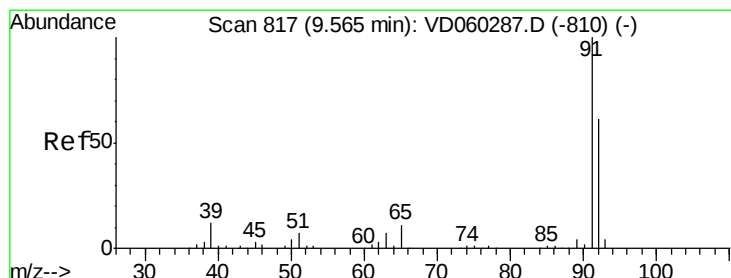
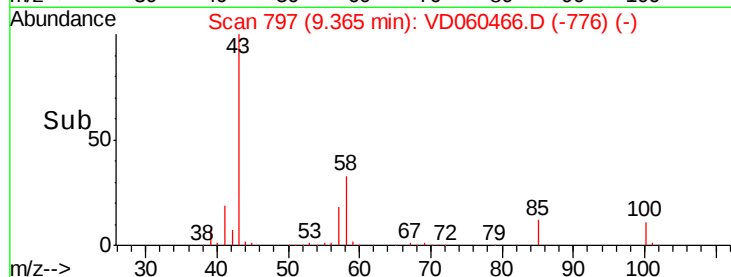
400000

200000

0

9.20 9.30 9.40 9.50

Time-->



#52

Toluene

Concen: 55.101 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VD060466.D

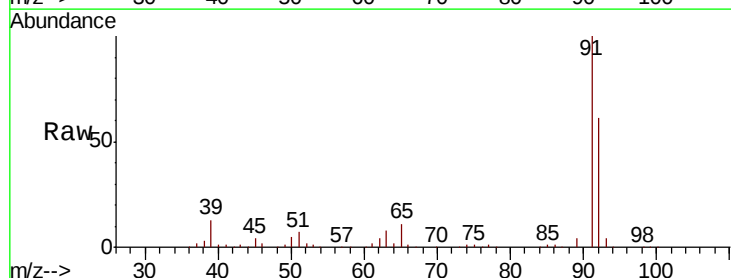
Acq: 3 Dec 2018 10:20

Tgt Ion: 92 Resp: 1740037

Ion Ratio Lower Upper

92 100

91 163.7 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1500000

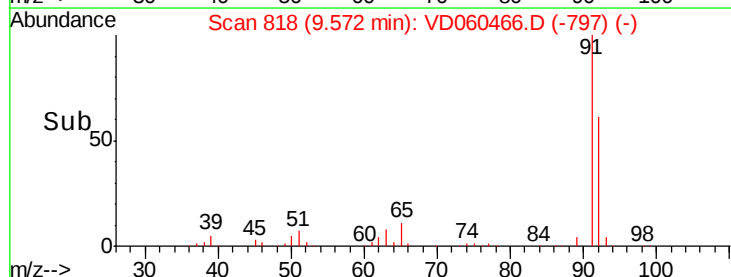
1000000

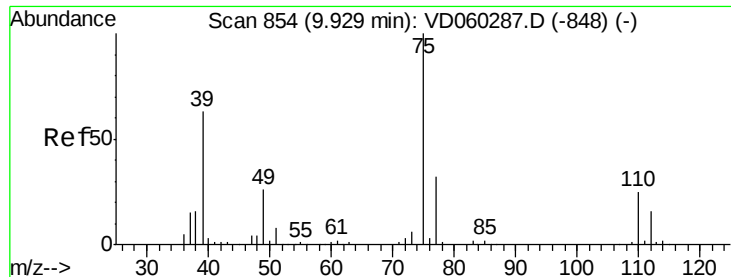
500000

0

9.40 9.50 9.60 9.70 9.80

Time-->

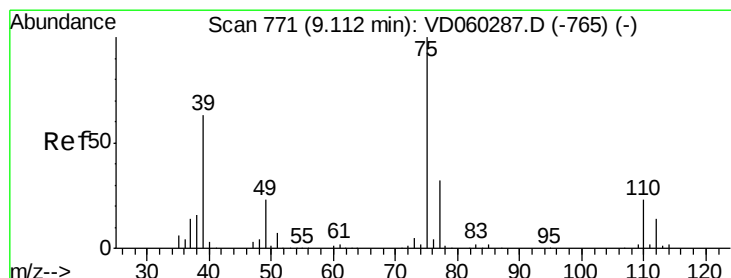
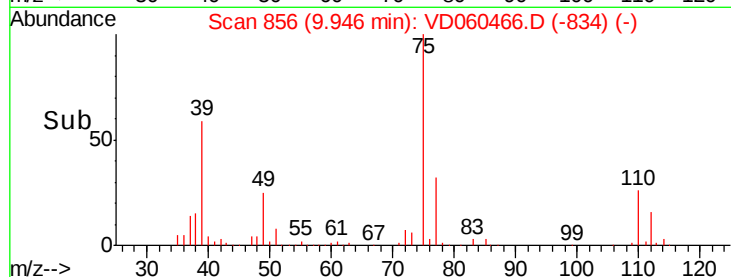
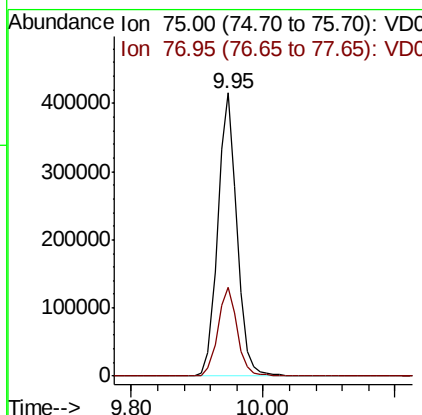
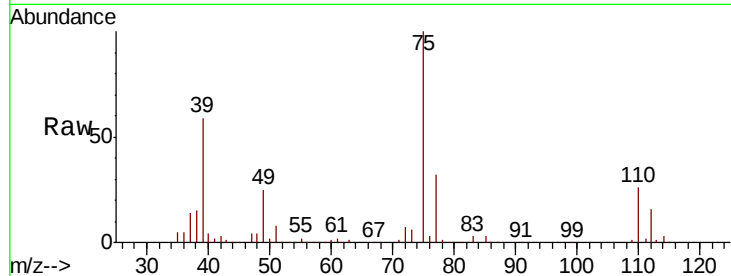




#53
 t-1,3-Dichloropropene
 Concen: 57.410 ug/l
 RT: 9.95 min Scan# 856
 Delta R.T. 0.02 min
 Lab File: VD060466.D
 Acq: 3 Dec 2018 10:20

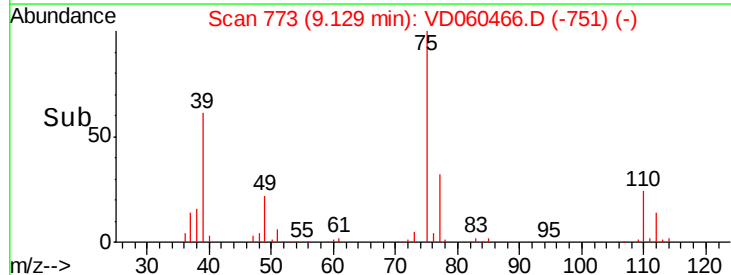
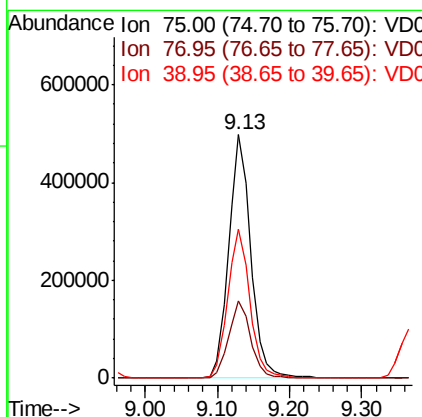
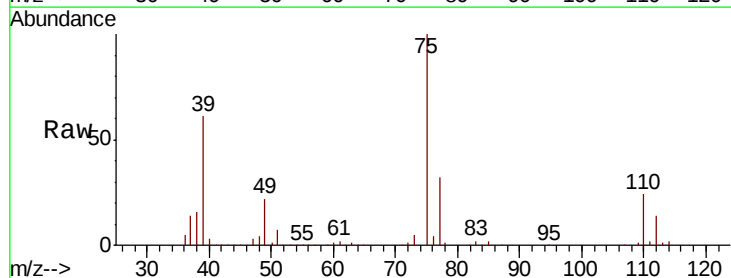
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 834681
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 56.742 ug/l
 RT: 9.13 min Scan# 773
 Delta R.T. 0.02 min
 Lab File: VD060466.D
 Acq: 3 Dec 2018 10:20

Tgt Ion: 75 Resp: 1058115
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.3 39.5
 39 61.4 50.8 76.2

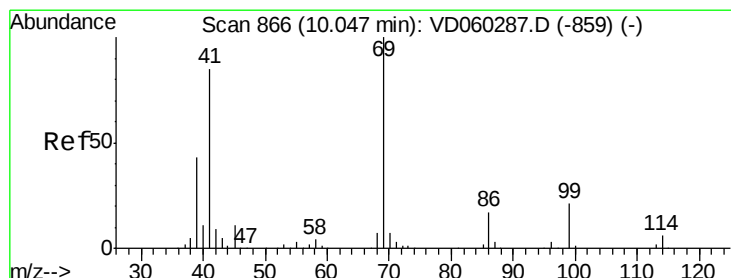
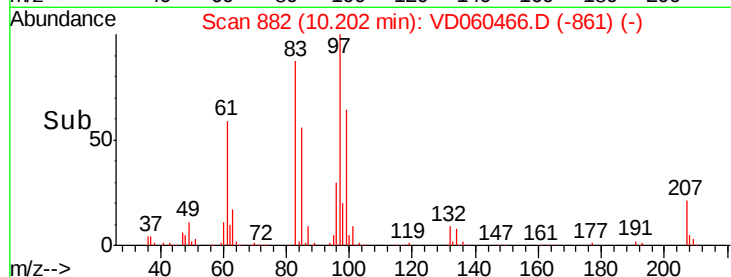
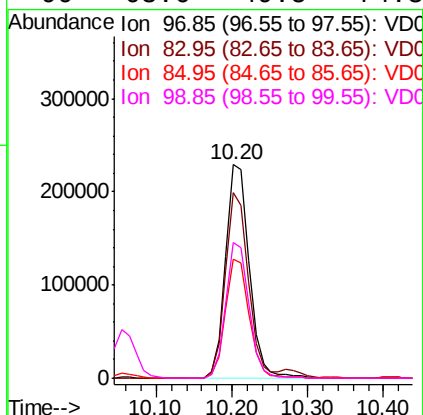
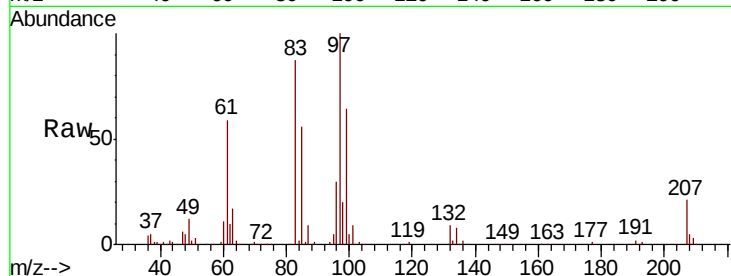




#55
 1,1,2-Trichloroethane
 Concen: 54.528 ug/l
 RT: 10.20 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: VD060466.D
 Acq: 3 Dec 2018 10:20

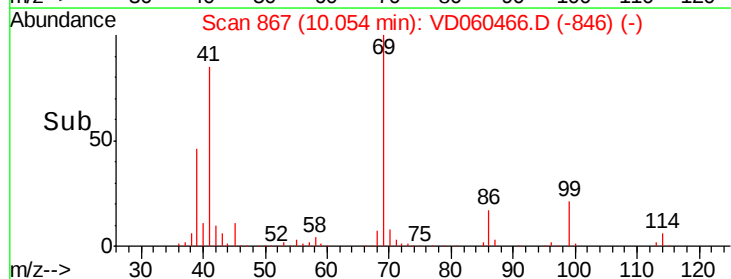
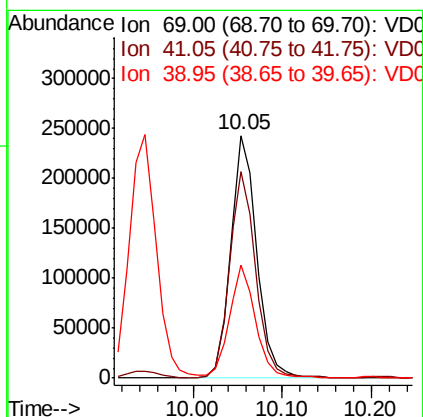
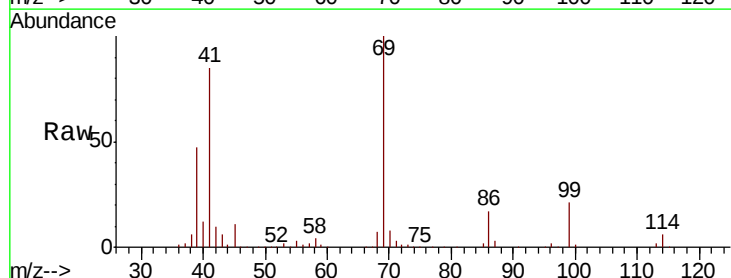
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	499082
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.4	102.6
85	55.8	46.8	70.2
99	63.6	49.5	74.3



#56
 Ethyl methacrylate
 Concen: 59.263 ug/l
 RT: 10.05 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VD060466.D
 Acq: 3 Dec 2018 10:20

Tgt Ion:	69	Resp:	498723
Ion	Ratio	Lower	Upper
69	100		
41	85.5	69.0	103.4
39	46.6	36.6	54.8





#57

1,3-Dichloropropane

Concen: 54.195 ug/l

RT: 10.41 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

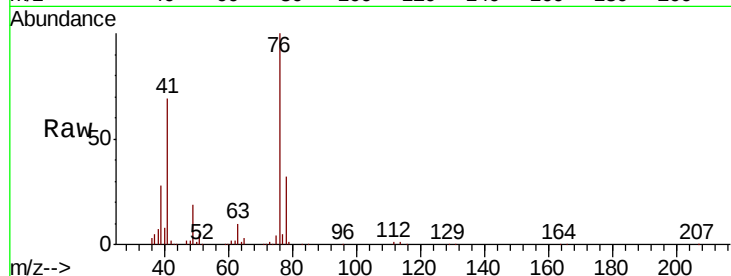
VSTDCCC050

Tot Ion: 76 Resp: 755841

Ion Ratio Lower Upper

76 100

78 31.9 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.41

400000

300000

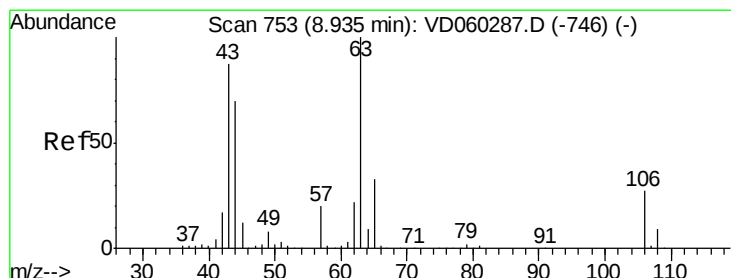
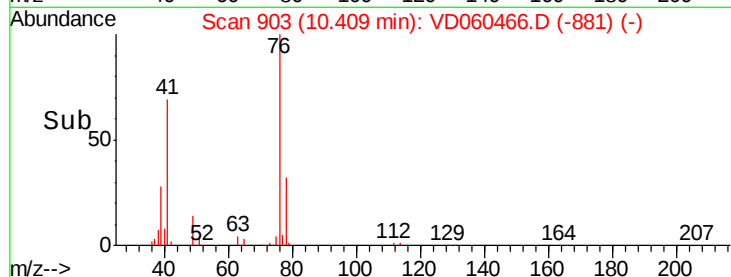
200000

100000

0

10.30 10.40 10.50 10.60

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 275.585 ug/l

RT: 8.95 min Scan# 755

Delta R.T. 0.02 min

Lab File: VD060466.D

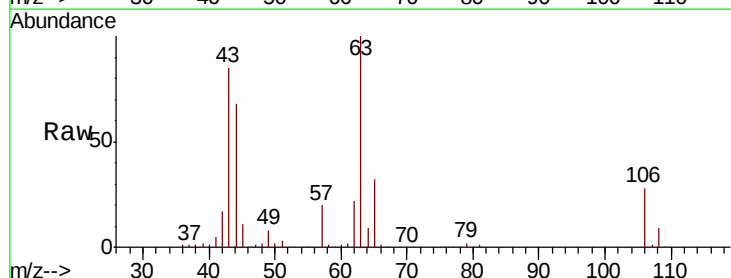
Acq: 3 Dec 2018 10:20

Tgt Ion: 63 Resp: 1402286

Ion Ratio Lower Upper

63 100

106 27.9 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.95

600000

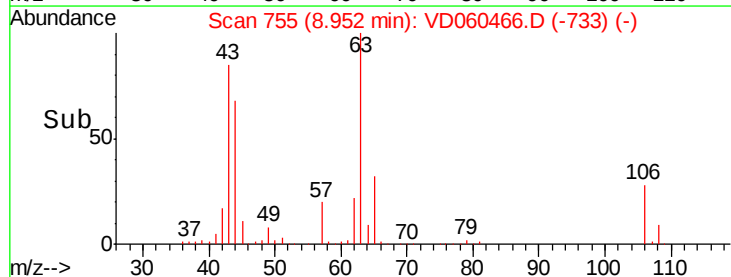
400000

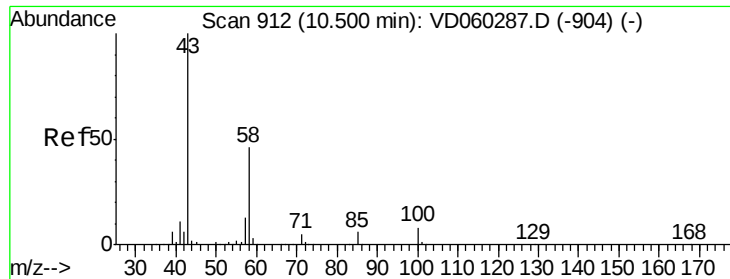
200000

0

8.80 8.90 9.00 9.10

Time-->

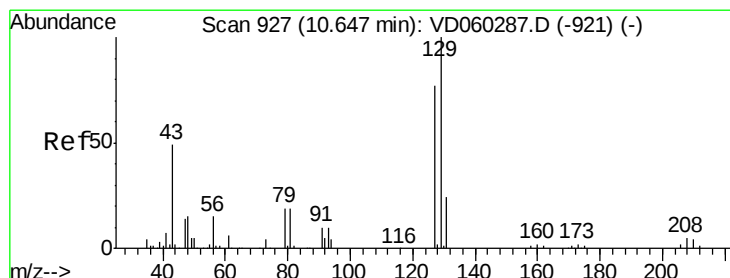
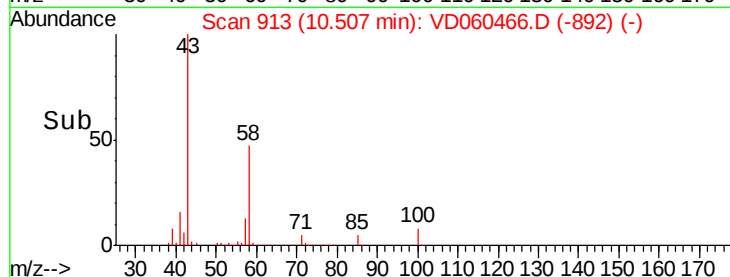
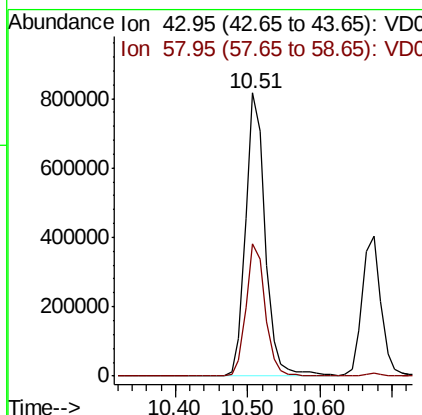
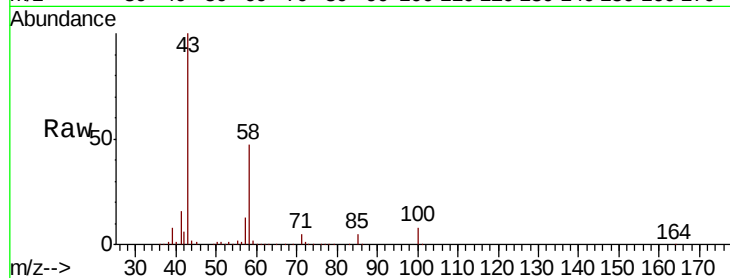




#59
2-Hexanone
Concen: 298.655 ug/l
RT: 10.51 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

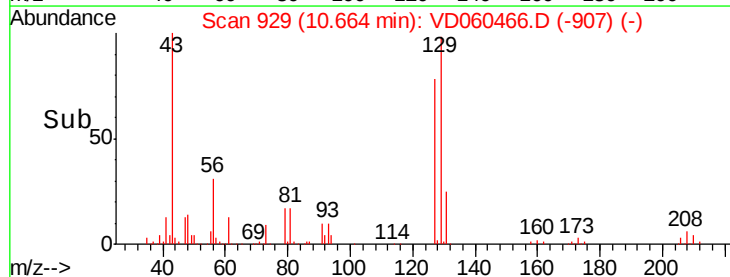
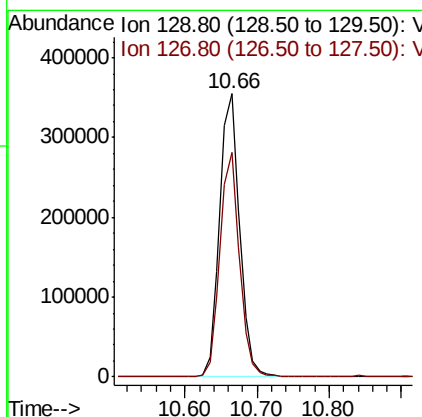
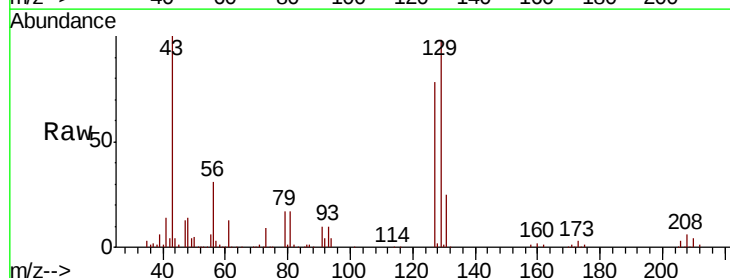
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

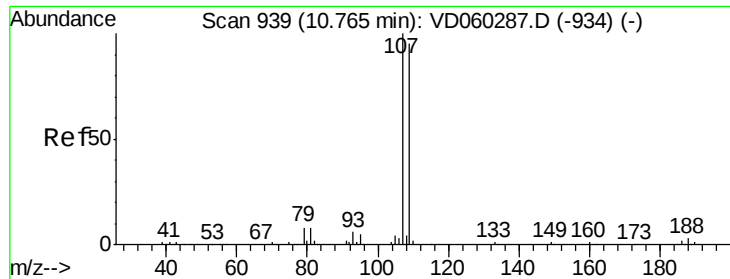
Tot Ion: 43 Resp: 1550912
Ion Ratio Lower Upper
43 100
58 46.6 22.9 68.5



#60
Dibromochloromethane
Concen: 61.072 ug/l
RT: 10.66 min Scan# 929
Delta R.T. 0.02 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

Tgt Ion: 129 Resp: 679489
Ion Ratio Lower Upper
129 100
127 79.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 56.913 ug/l

RT: 10.78 min Scan# 941

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

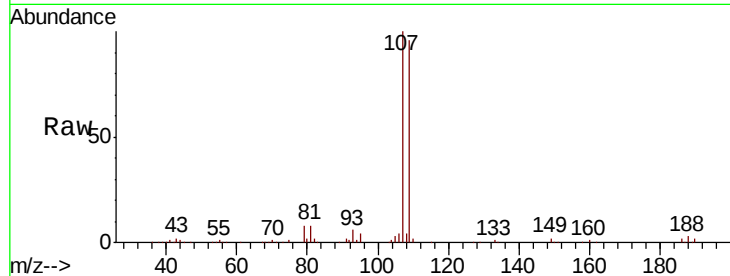
VSTDCCC050

Tot Ion:107 Resp: 521926

Ion Ratio Lower Upper

107 100

109 96.0 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.78

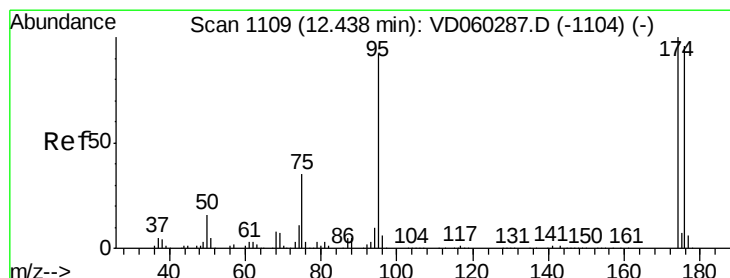
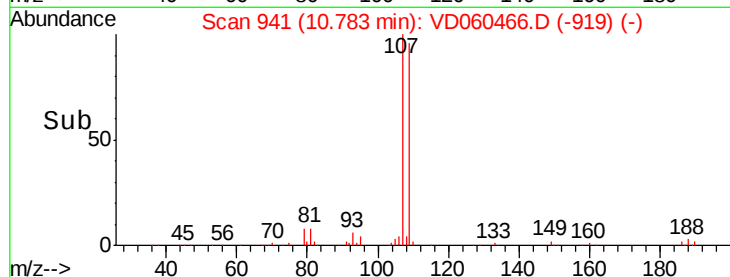
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 56.913 ug/l

RT: 12.45 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

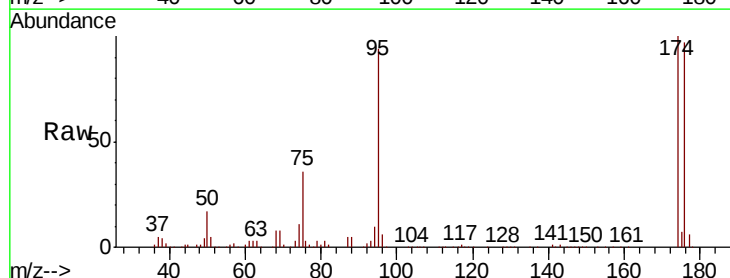
Tgt Ion: 95 Resp: 833552

Ion Ratio Lower Upper

95 100

174 106.7 0.0 160.8

176 104.1 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

800000

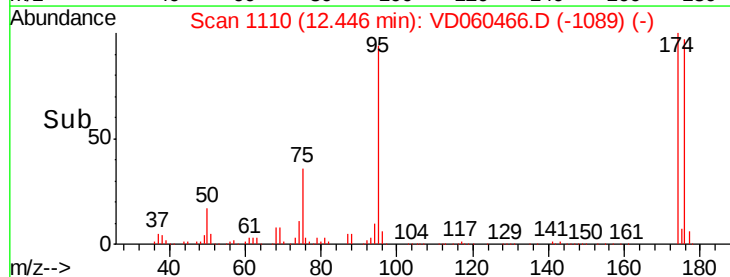
600000

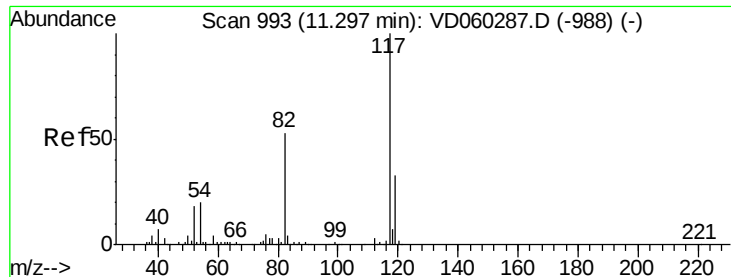
400000

200000

0

Time-->

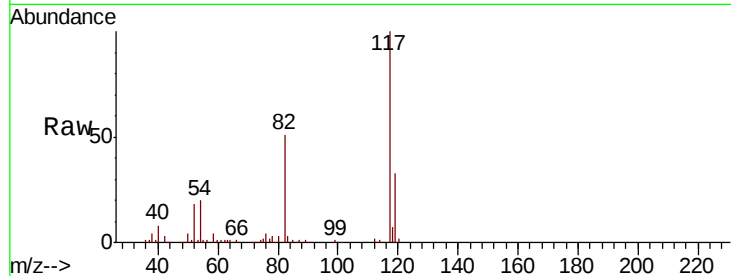




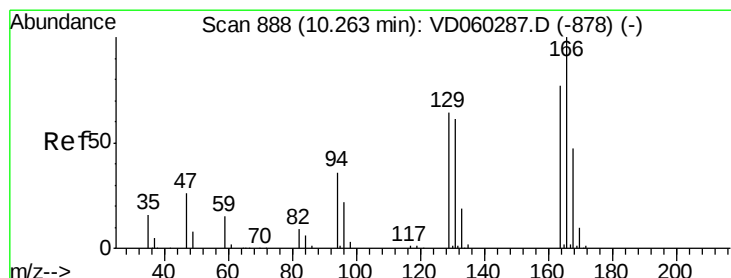
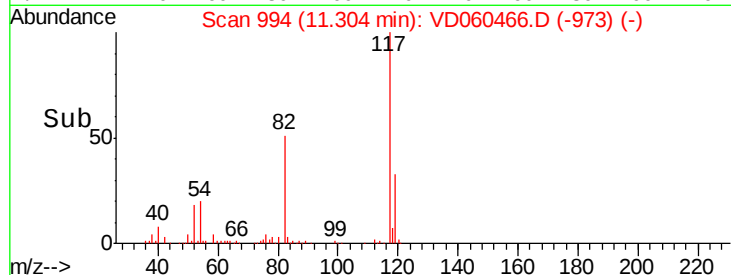
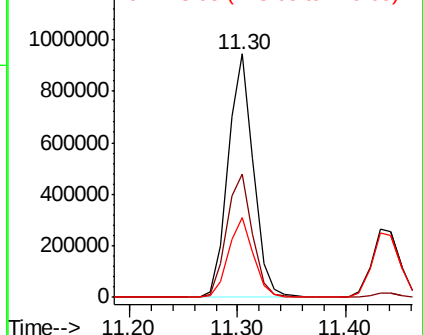
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1530086
Ion Ratio Lower Upper
117 100
82 50.7 43.7 65.5
119 32.9 26.1 39.1

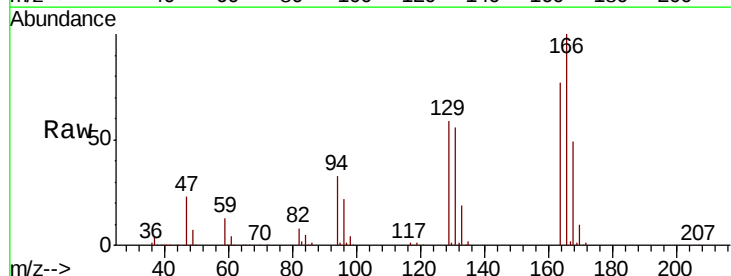


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

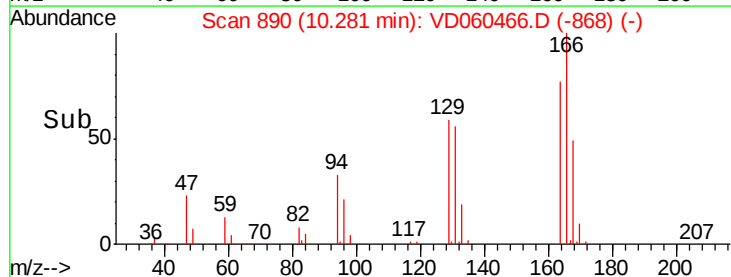
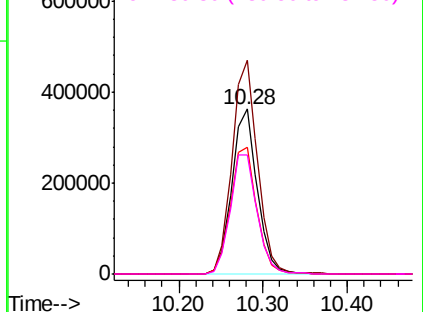


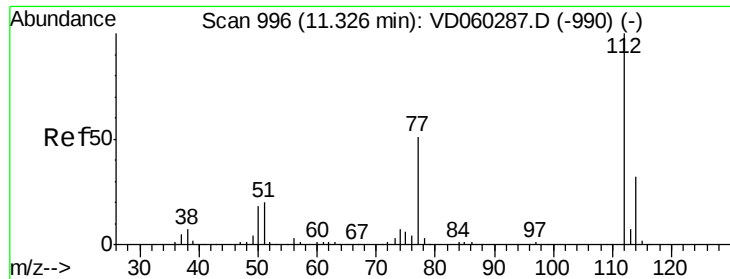
#64
Tetrachloroethene
Concen: 55.601 ug/l
RT: 10.28 min Scan# 890
Delta R.T. 0.02 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

Tgt Ion:164 Resp: 759495
Ion Ratio Lower Upper
164 100
166 129.7 103.7 155.5
129 76.8 65.6 98.4
131 72.4 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: 56.449 ug/l

RT: 11.33 min Scan# 997

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

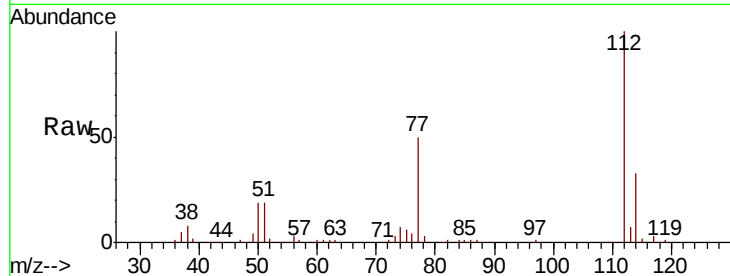
VSTDCCC050

Tot Ion:112 Resp: 1871451

Ion Ratio Lower Upper

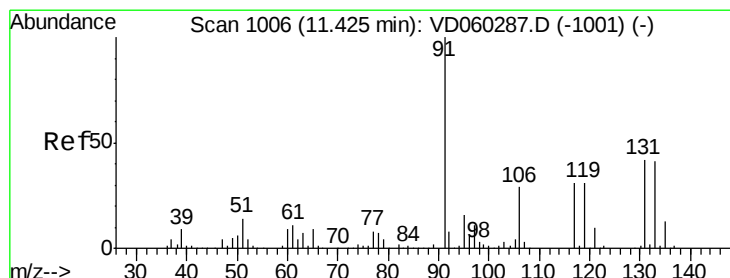
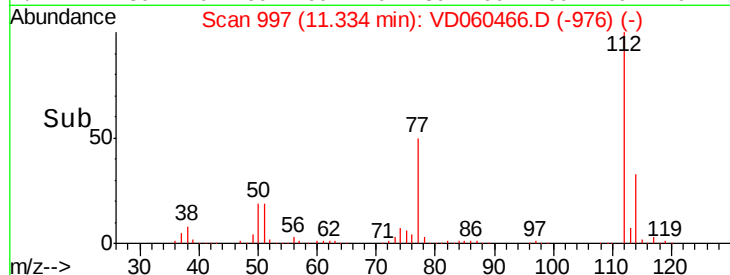
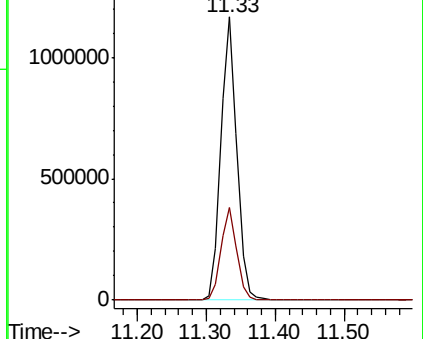
112 100

114 32.8 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 57.504 ug/l

RT: 11.43 min Scan# 1007

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

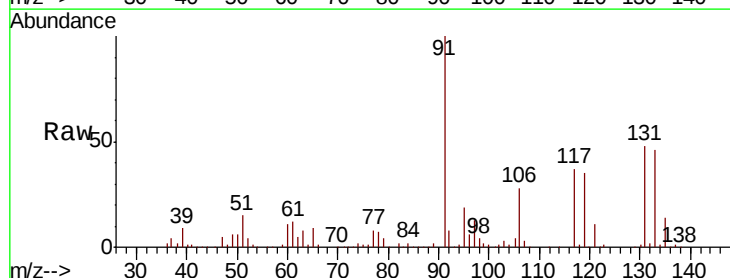
Tgt Ion:131 Resp: 623764

Ion Ratio Lower Upper

131 100

133 95.5 50.0 150.0

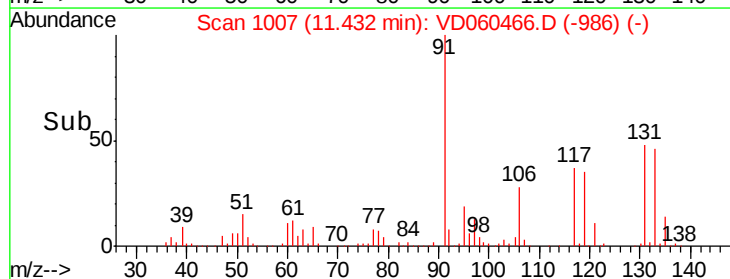
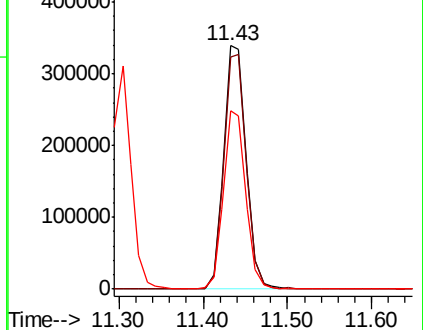
119 73.5 37.0 111.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





#67

Ethyl Benzene

Concen: 53.858 ug/l

RT: 11.45 min Scan# 1009

Delta R.T. 0.02 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

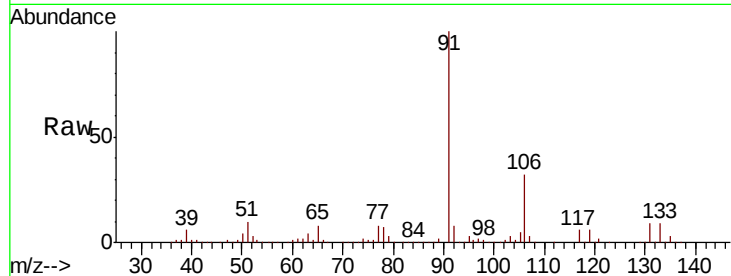
VSTDCCC050

Tot Ion: 91 Resp: 3054405

Ion Ratio Lower Upper

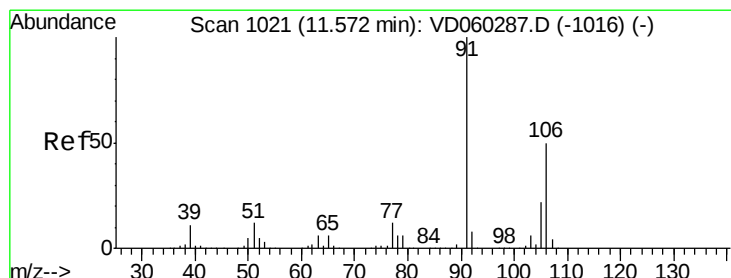
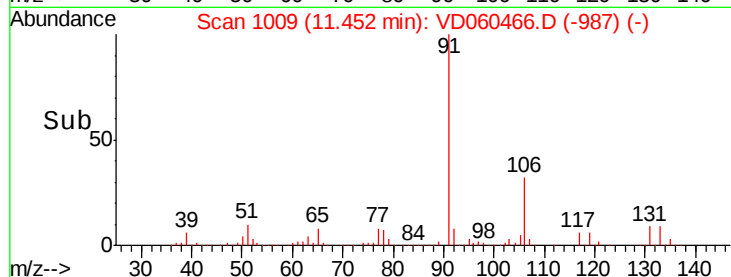
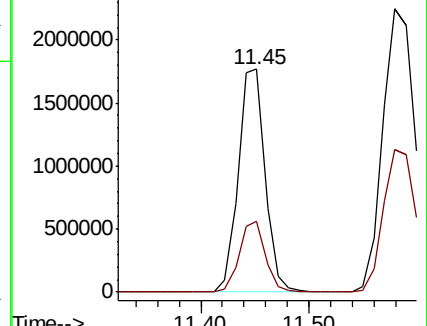
91 100

106 31.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 111.035 ug/l

RT: 11.58 min Scan# 1022

Delta R.T. 0.01 min

Lab File: VD060466.D

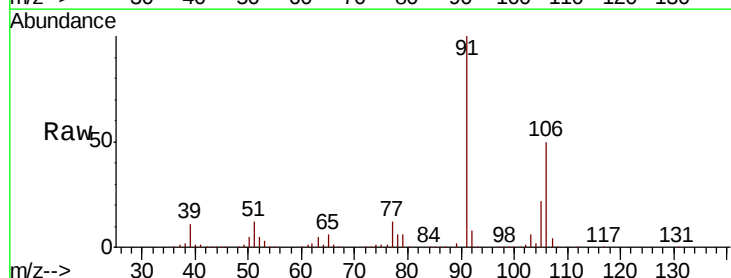
Acq: 3 Dec 2018 10:20

Tgt Ion:106 Resp: 2322872

Ion Ratio Lower Upper

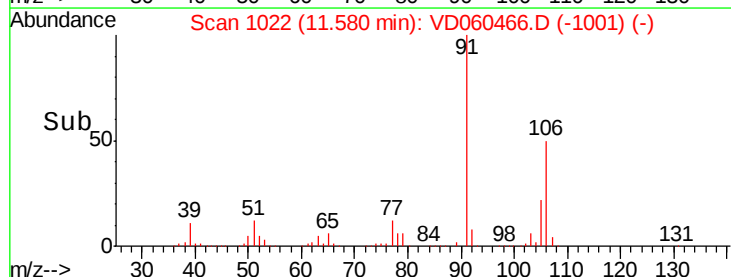
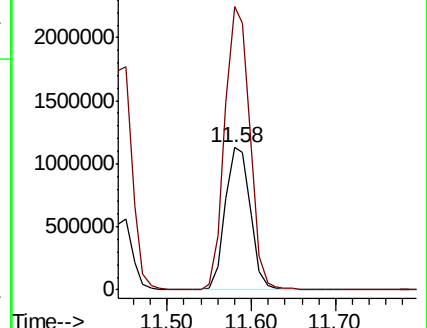
106 100

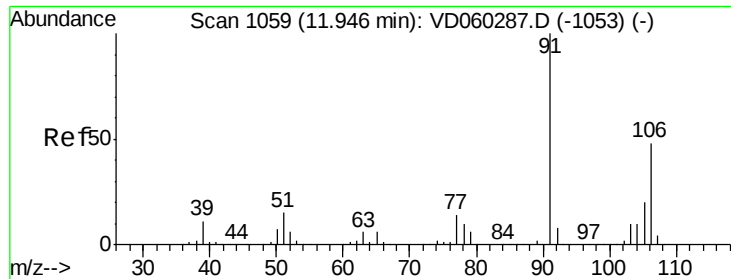
91 198.8 159.4 239.2



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

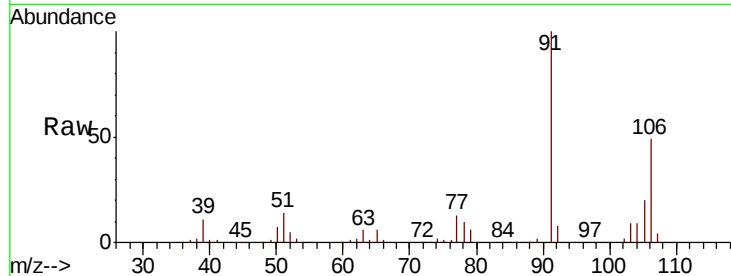




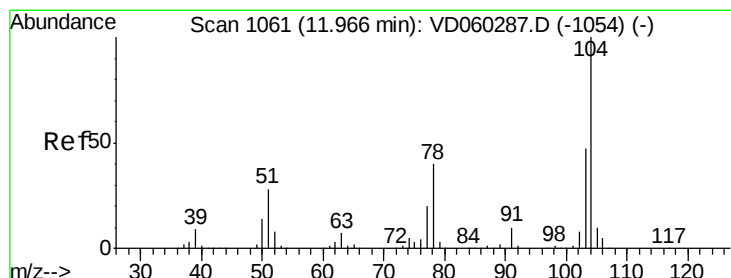
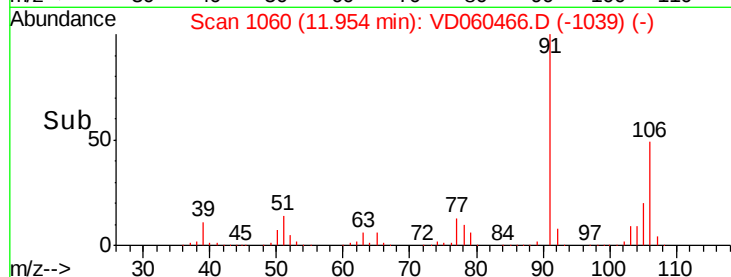
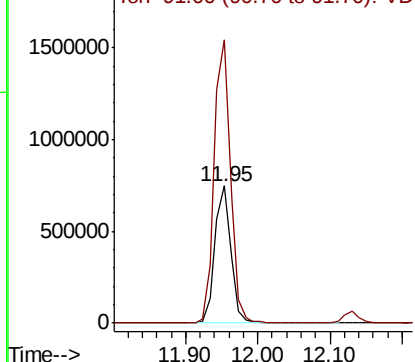
#69
o-Xylene
Concen: 55.918 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1130145
Ion Ratio Lower Upper
106 100
91 206.2 109.2 327.6

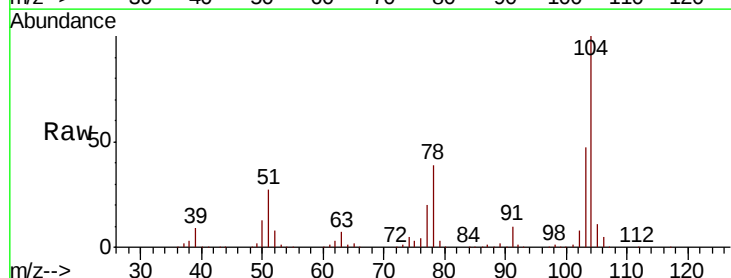


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

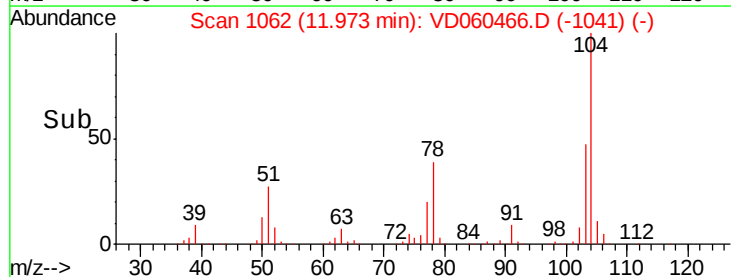
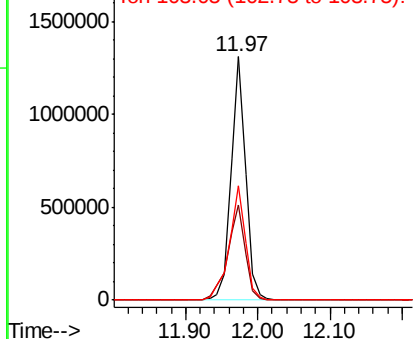


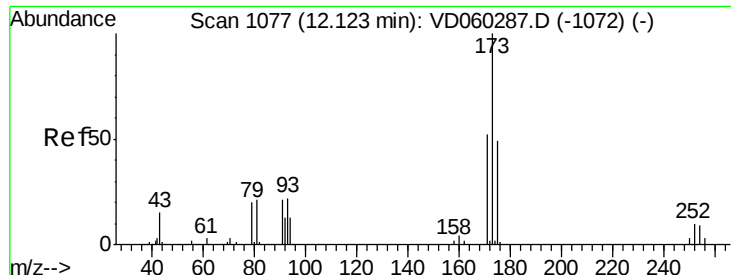
#70
Styrene
Concen: 56.551 ug/l
RT: 11.97 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

Tgt Ion:104 Resp: 1847110
Ion Ratio Lower Upper
104 100
78 39.3 31.6 47.4
103 46.8 37.0 55.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 61.343 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

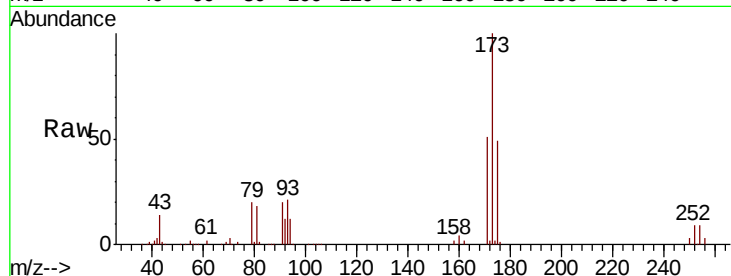
Tot Ion:173 Resp: 447128

Ion Ratio Lower Upper

173 100

175 48.9 24.3 73.0

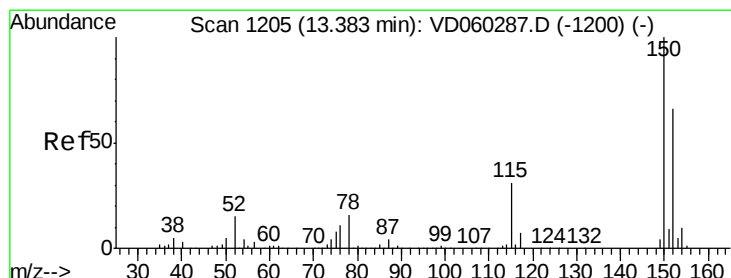
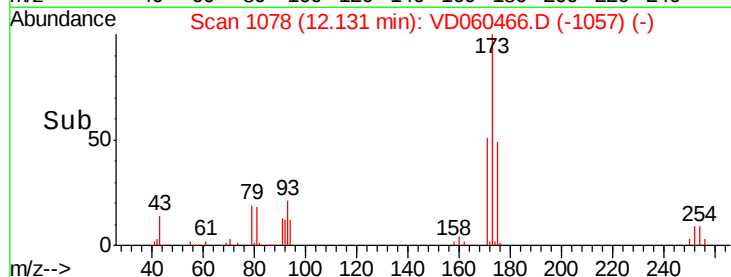
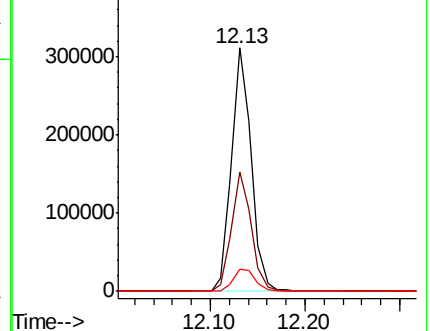
254 9.2 8.3 12.5



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: 13.39 min Scan# 1206

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

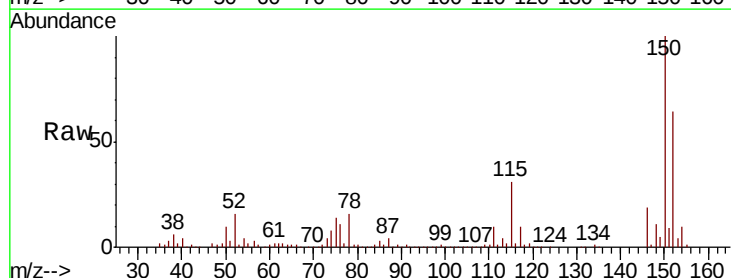
Tgt Ion:152 Resp: 793881

Ion Ratio Lower Upper

152 100

115 48.0 24.1 72.3

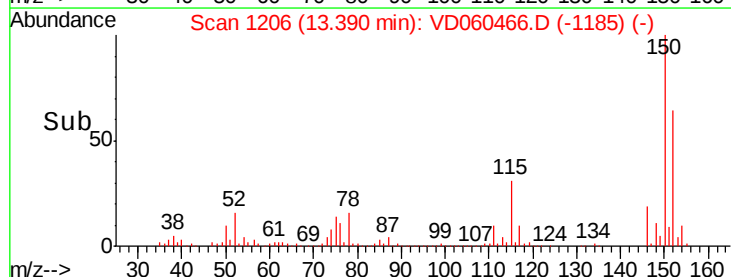
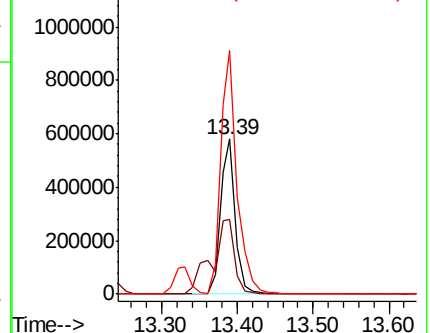
150 157.3 0.0 310.6



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: 53.799 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

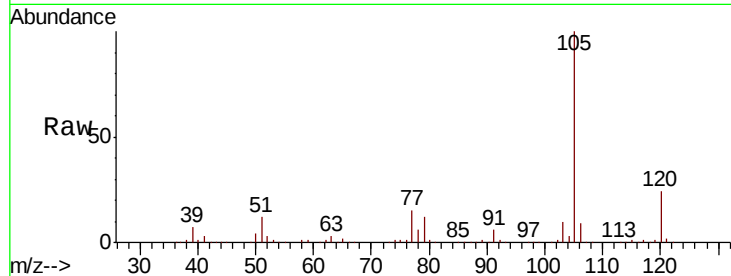
VSTDCCC050

Tot Ion:105 Resp: 3111753

Ion Ratio Lower Upper

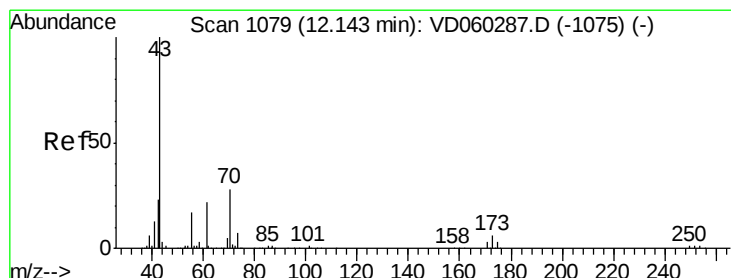
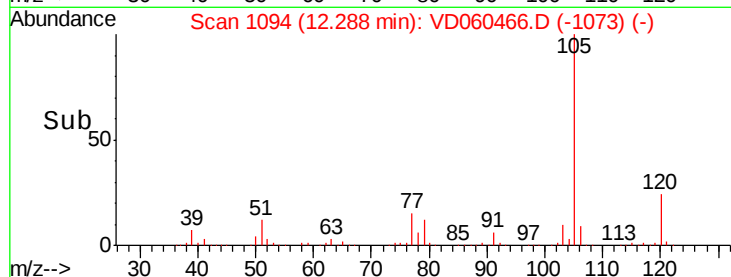
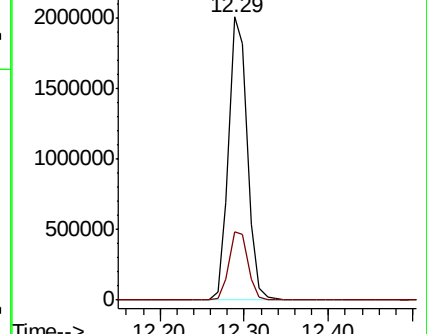
105 100

120 24.2 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: 54.861 ug/l

RT: 12.15 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Tgt Ion: 43 Resp: 813534

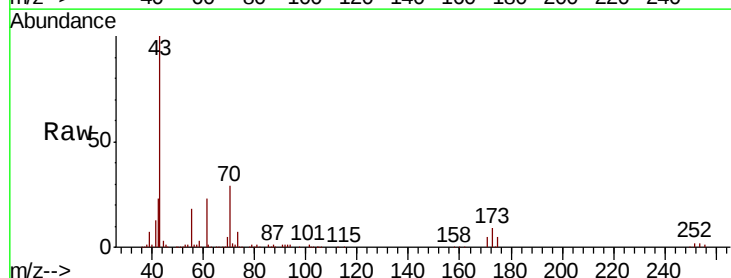
Ion Ratio Lower Upper

43 100

70 28.8 23.0 34.4

55 17.7 14.2 21.4

61 23.0 17.8 26.8

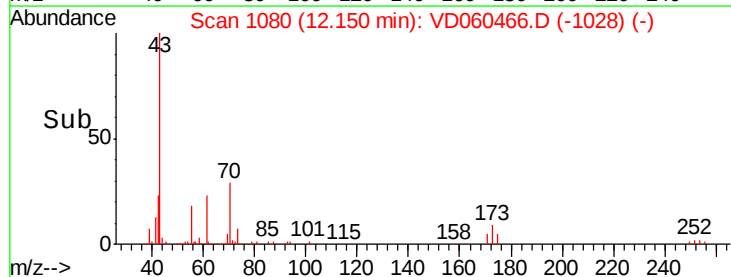
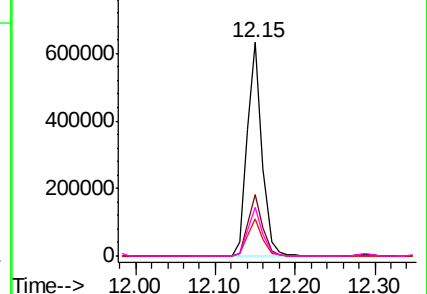


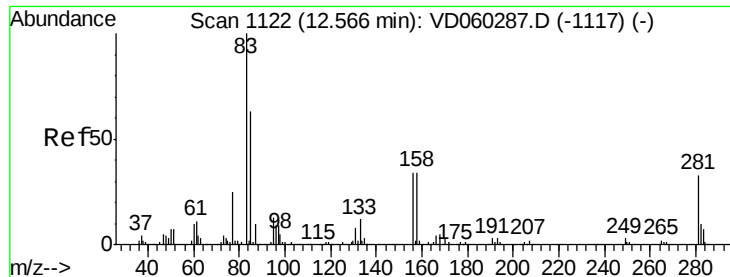
Abundance Ion 42.95 (42.65 to 43.65): V

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: 54.556 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

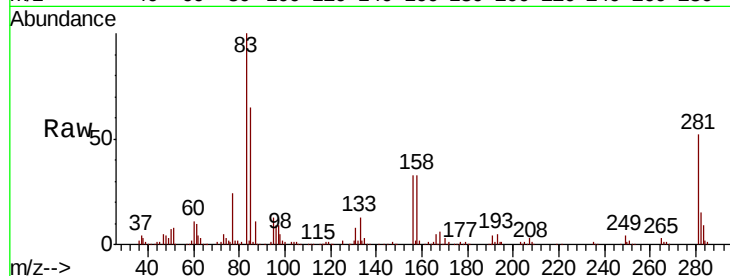
Tot Ion: 83 Resp: 516071

Ion Ratio Lower Upper

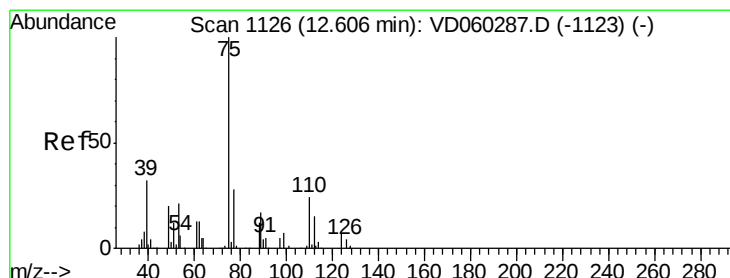
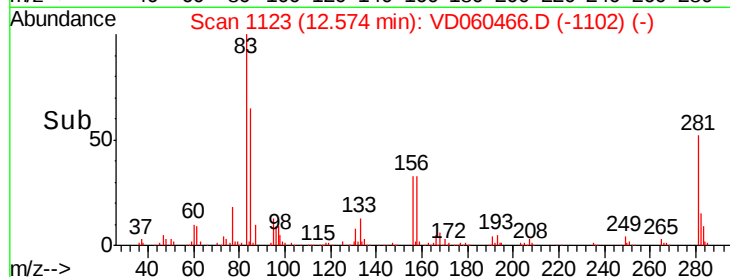
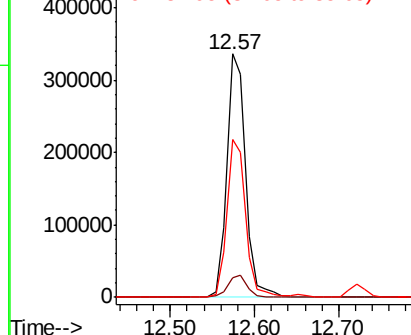
83 100

131 8.2 3.9 11.5

85 64.7 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: 56.764 ug/l

RT: 12.61 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD060466.D

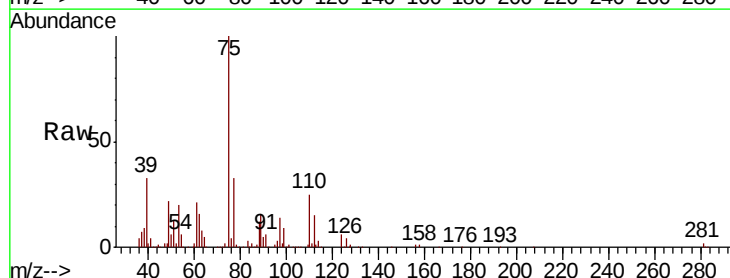
Acq: 3 Dec 2018 10:20

Tgt Ion: 75 Resp: 539073

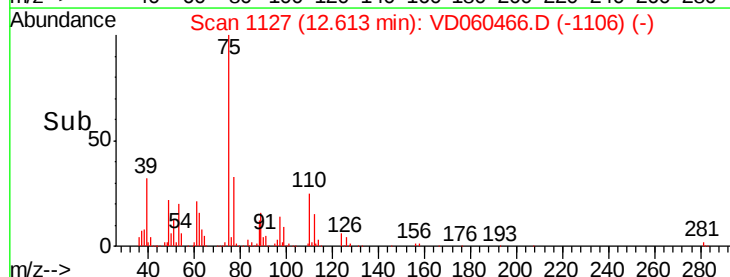
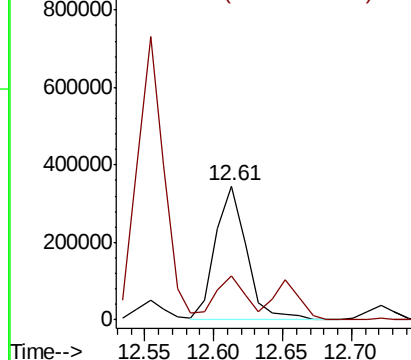
Ion Ratio Lower Upper

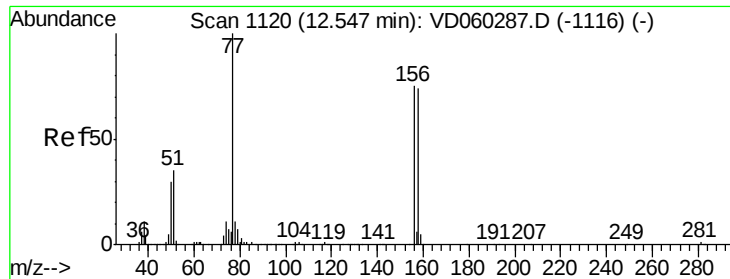
75 100

77 32.9 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: 53.864 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

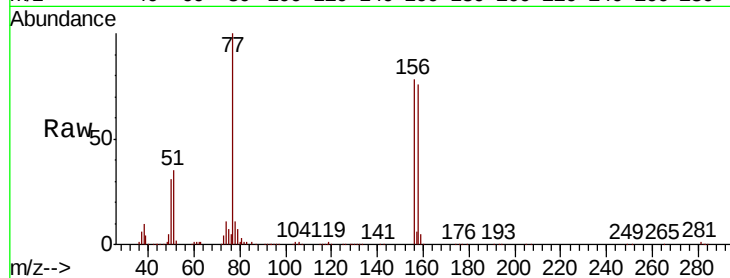
Tot Ion:156 Resp: 827564

Ion Ratio Lower Upper

156 100

77 127.5 61.2 183.6

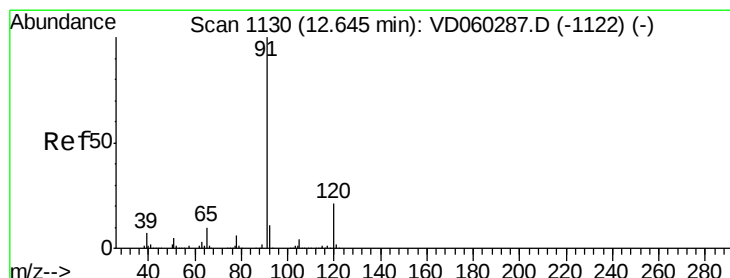
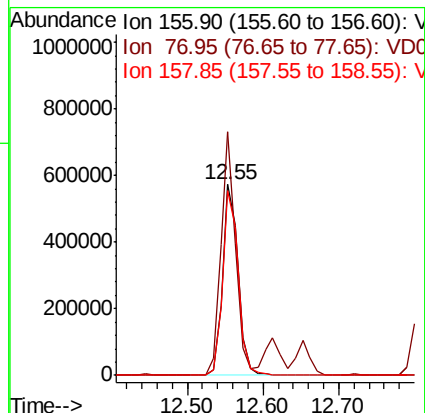
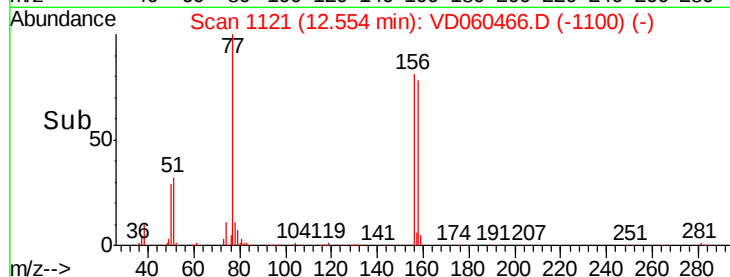
158 96.8 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 53.950 ug/l

RT: 12.65 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VD060466.D

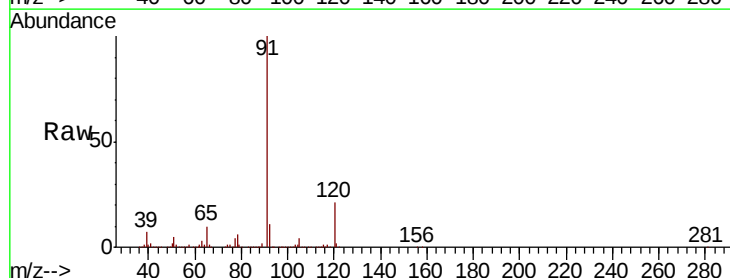
Acq: 3 Dec 2018 10:20

Tgt Ion: 91 Resp: 3894961

Ion Ratio Lower Upper

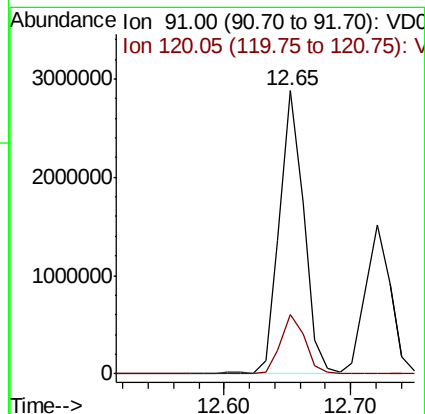
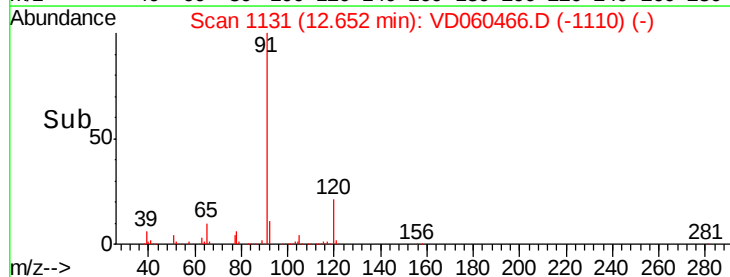
91 100

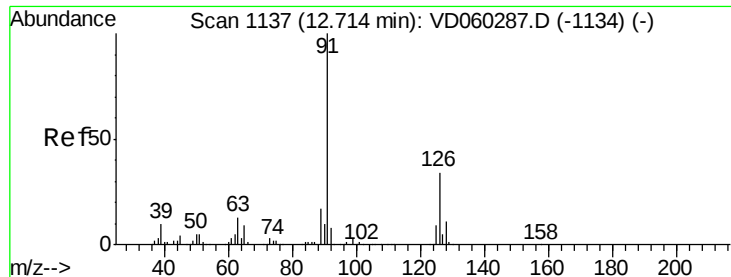
120 21.0 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 53.216 ug/l

RT: 12.72 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

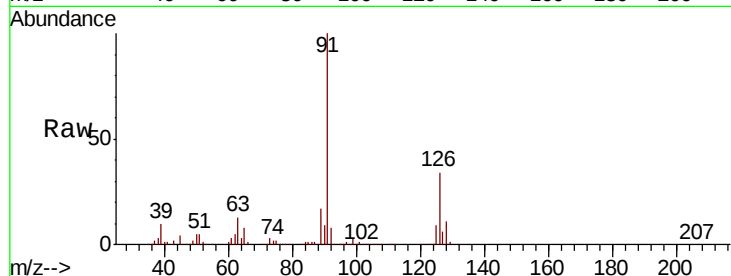
VSTDCCC050

Tot Ion: 91 Resp: 2104194

Ion Ratio Lower Upper

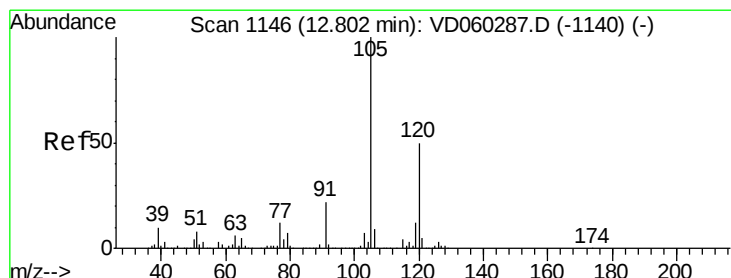
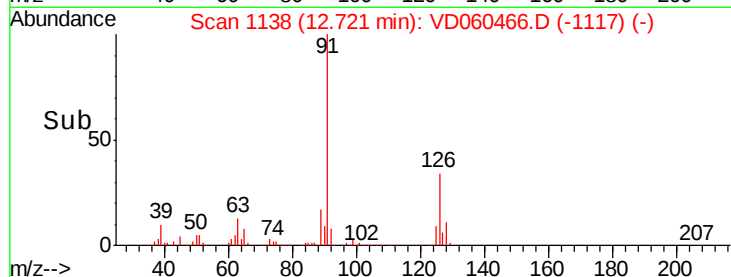
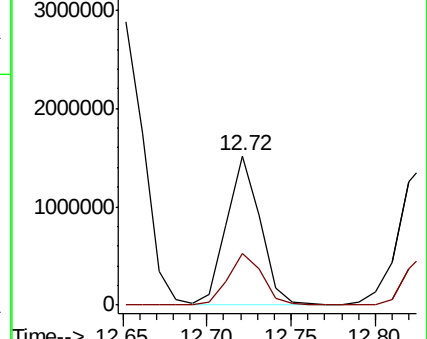
91 100

126 34.5 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VD060287.D (-1134) (-)

Ion 125.95 (125.65 to 126.65): VD060287.D (-1134) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.958 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060466.D

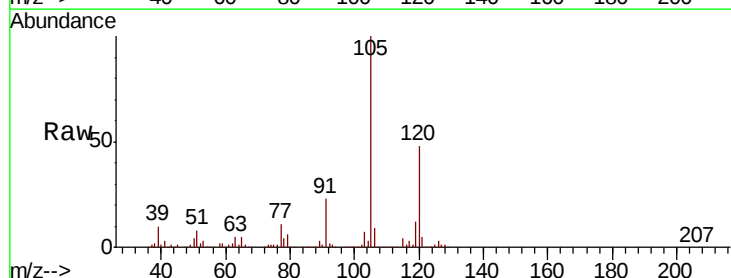
Acq: 3 Dec 2018 10:20

Tgt Ion:105 Resp: 2380520

Ion Ratio Lower Upper

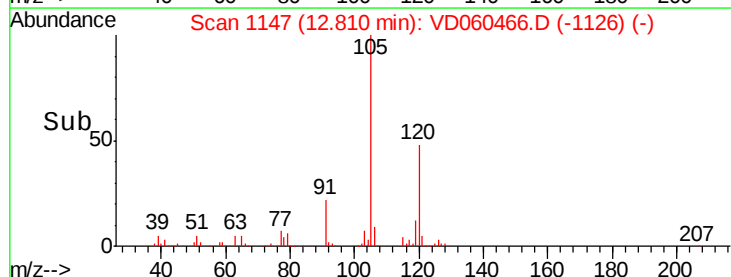
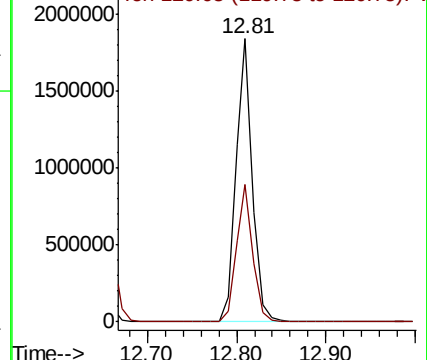
105 100

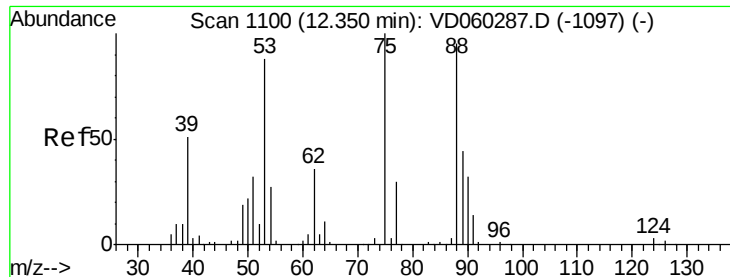
120 48.4 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): VD060287.D (-1140) (-)

Ion 120.05 (119.75 to 120.75): VD060287.D (-1140) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 59.040 ug/l

RT: 12.36 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

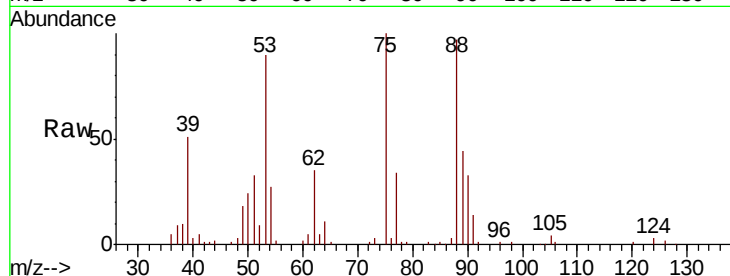
Tot Ion: 75 Resp: 159626

Ion Ratio Lower Upper

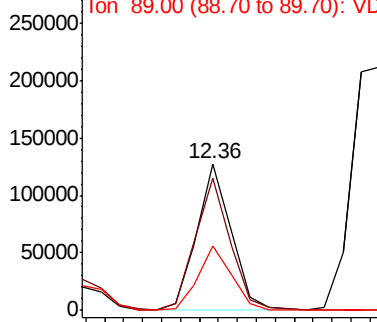
75 100

53 90.3 68.6 103.0

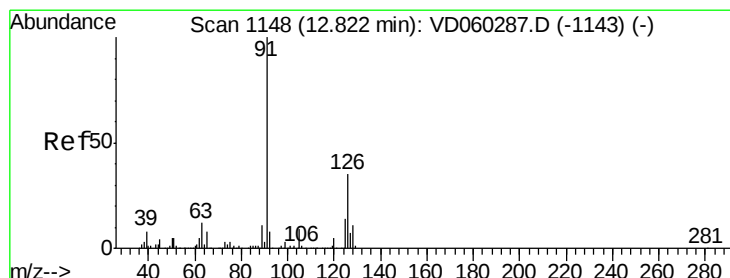
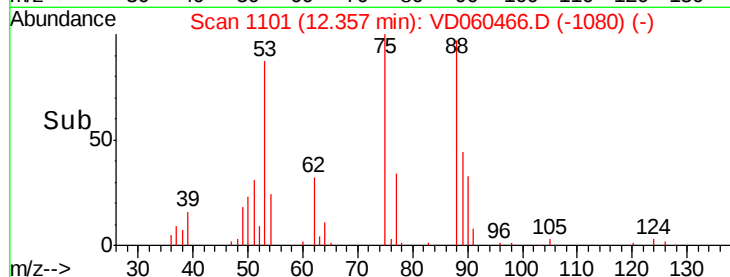
89 43.7 34.1 51.1



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



Time-->



#82

4-Chlorotoluene

Concen: 51.069 ug/l

RT: 12.83 min Scan# 1149

Delta R.T. 0.01 min

Lab File: VD060466.D

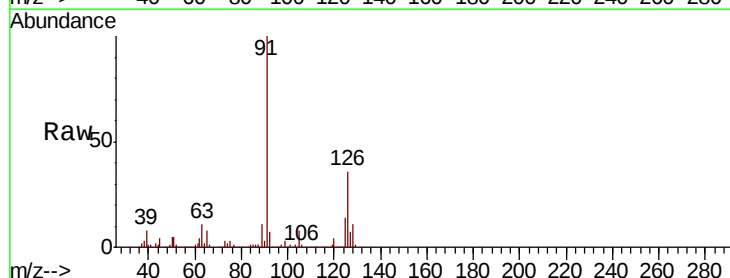
Acq: 3 Dec 2018 10:20

Tgt Ion: 91 Resp: 2268333

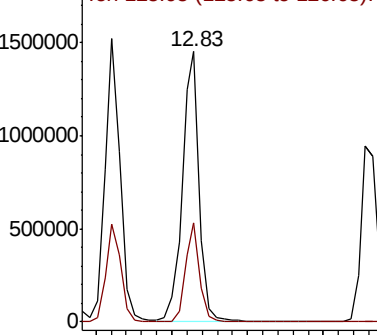
Ion Ratio Lower Upper

91 100

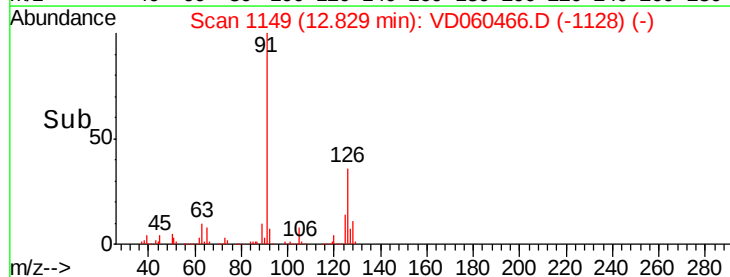
126 36.5 14.8 44.4

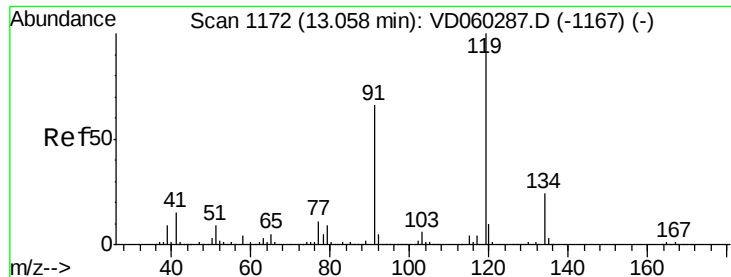


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V



Time-->

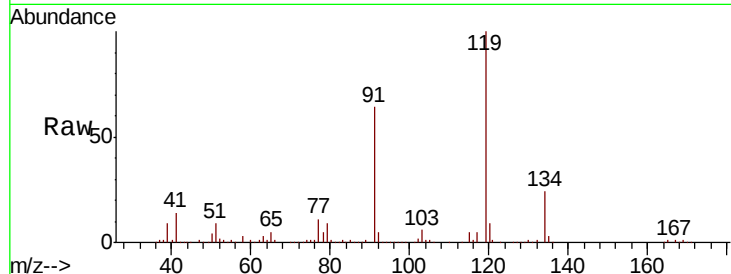




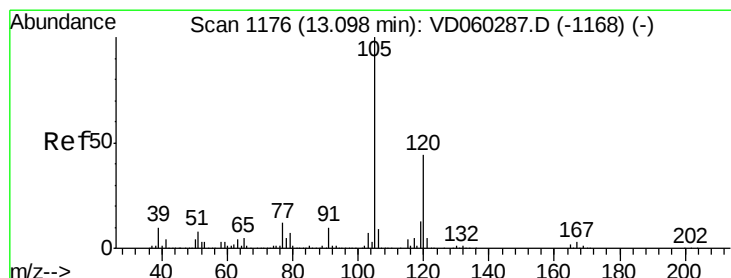
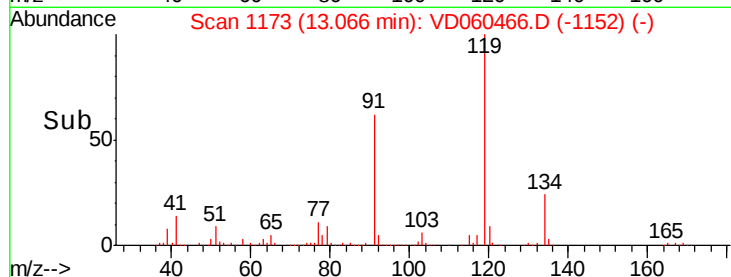
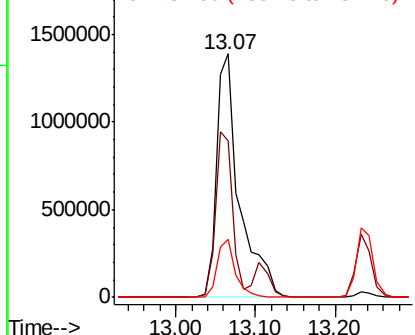
#83
tert-Butylbenzene
Concen: 56.092 ug/l
RT: 13.07 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 2799246
Ion Ratio Lower Upper
119 100
91 64.2 32.7 98.1
134 23.8 12.1 36.3

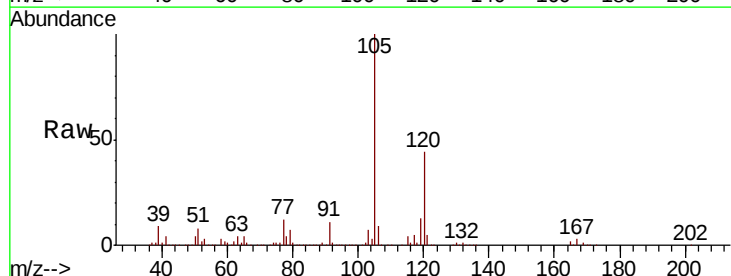


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

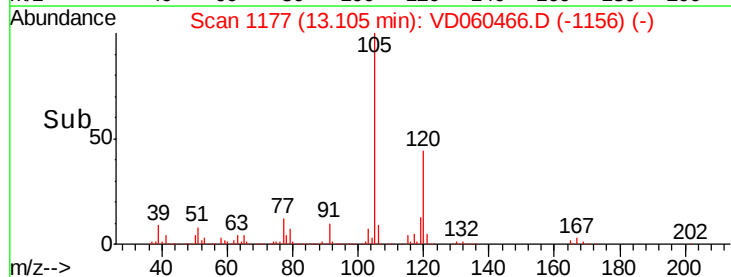
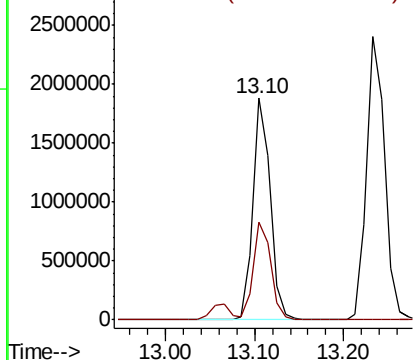


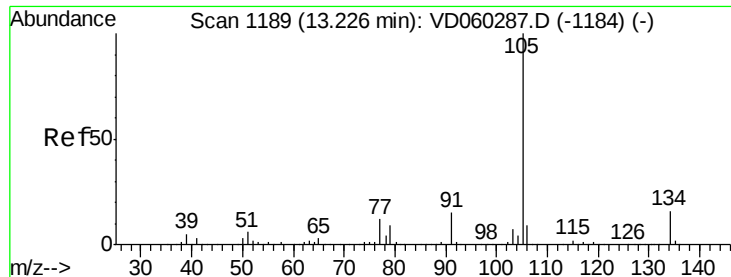
#84
1,2,4-Trimethylbenzene
Concen: 55.797 ug/l
RT: 13.10 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

Tgt Ion:105 Resp: 2504834
Ion Ratio Lower Upper
105 100
120 43.9 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 54.755 ug/l

RT: 13.23 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

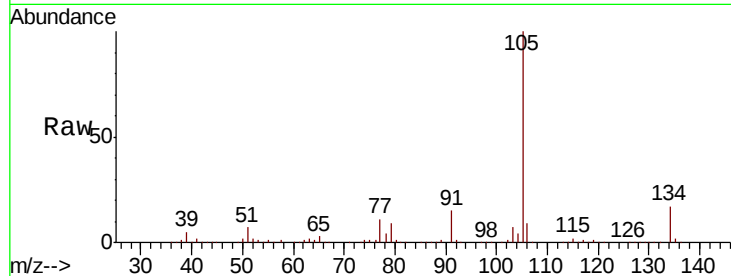
VSTDCCC050

Tot Ion:105 Resp: 3352525

Ion Ratio Lower Upper

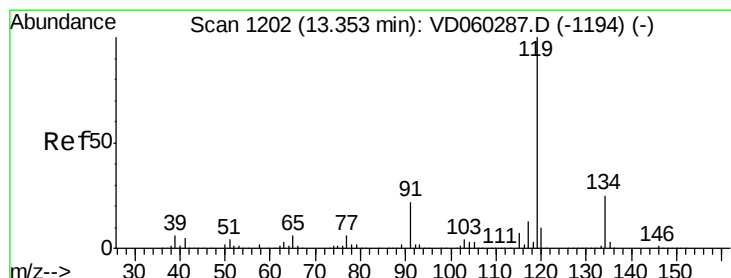
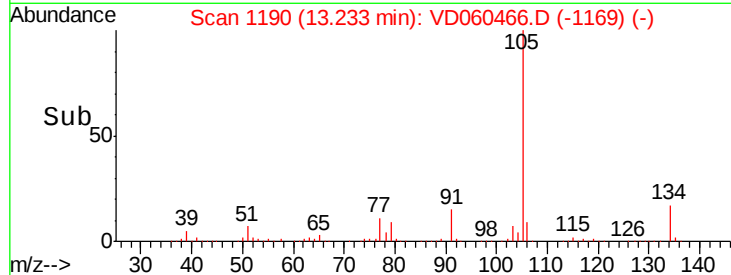
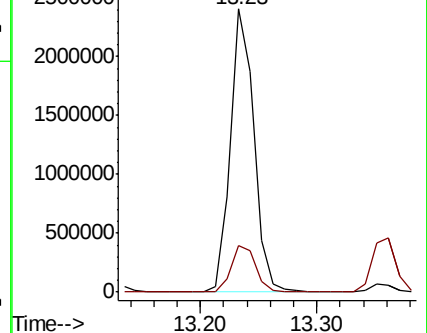
105 100

134 16.5 8.0 24.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 54.091 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD060466.D

Acq: 3 Dec 2018 10:20

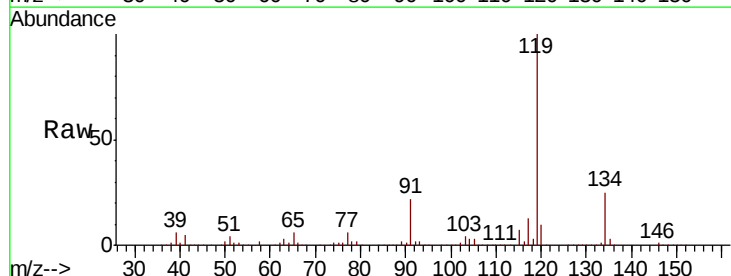
Tgt Ion:119 Resp: 2667026

Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.6

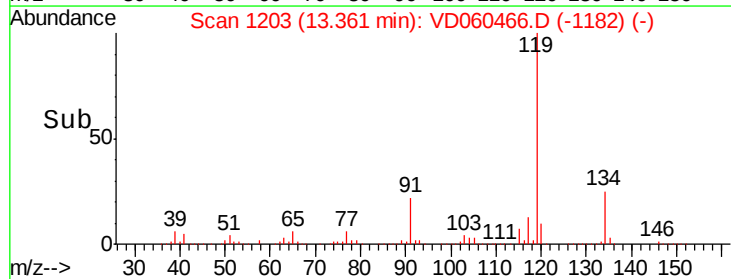
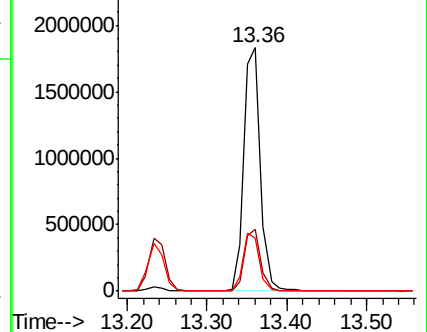
91 21.8 11.3 33.8

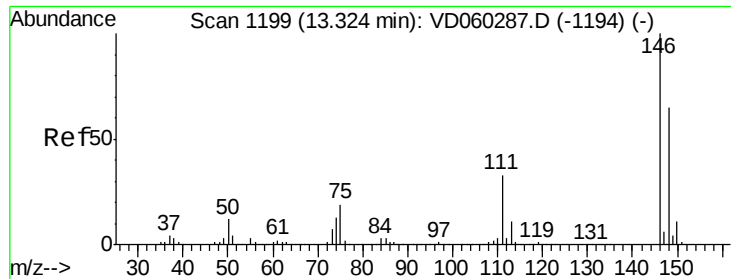


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

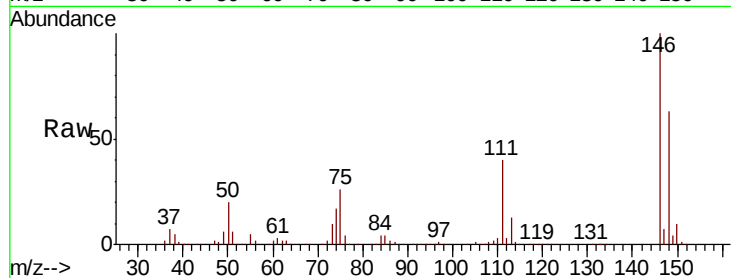




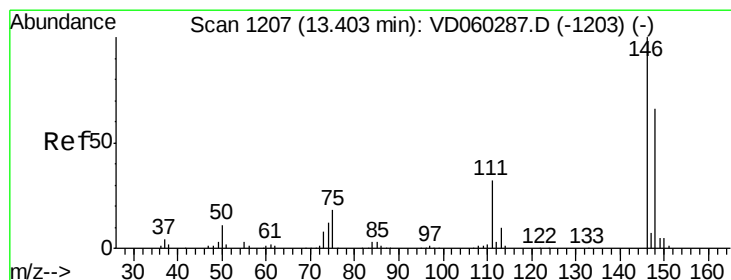
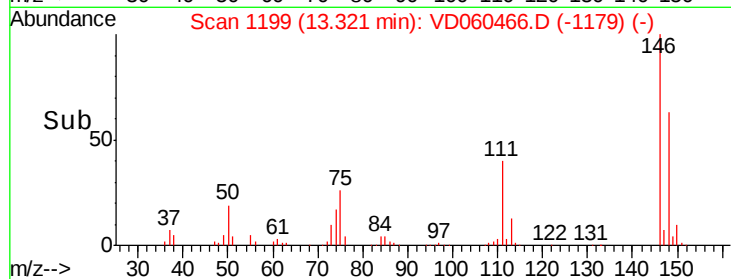
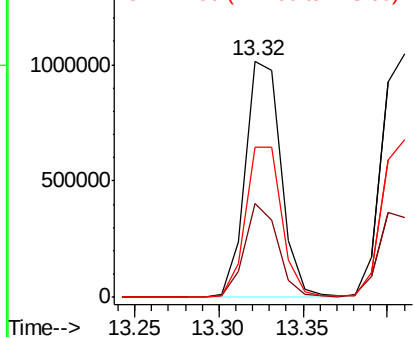
#87
 1,3-Dichlorobenzene
 Concen: 55.037 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VD060466.D
 Acq: 3 Dec 2018 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1504415
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.2 60.5
 148 63.4 32.0 96.0

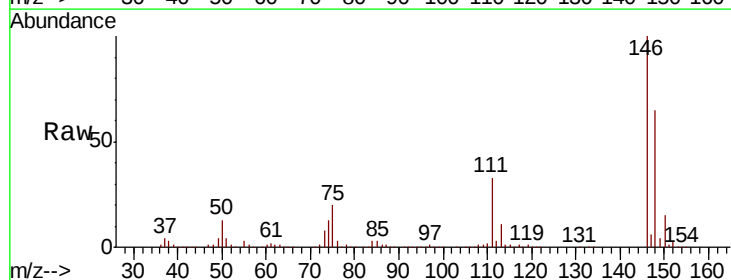


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

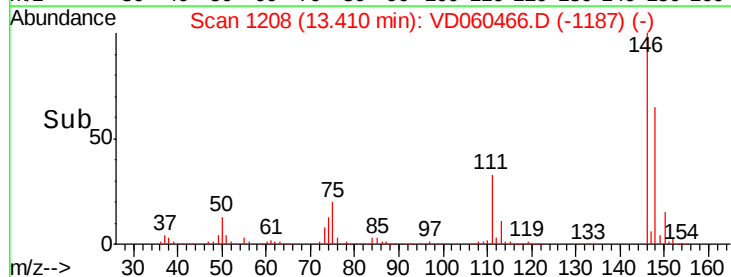
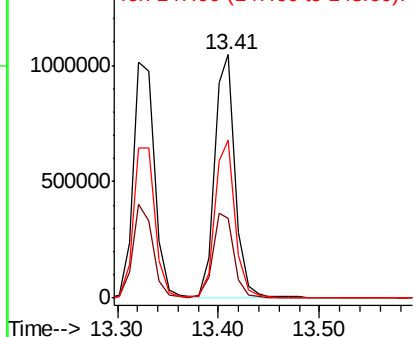


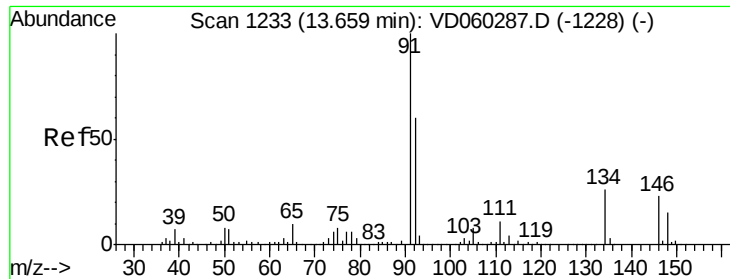
#88
 1,4-Dichlorobenzene
 Concen: 55.756 ug/l
 RT: 13.41 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: VD060466.D
 Acq: 3 Dec 2018 10:20

Tgt Ion:146 Resp: 1488461
 Ion Ratio Lower Upper
 146 100
 111 32.6 16.0 47.9
 148 65.0 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

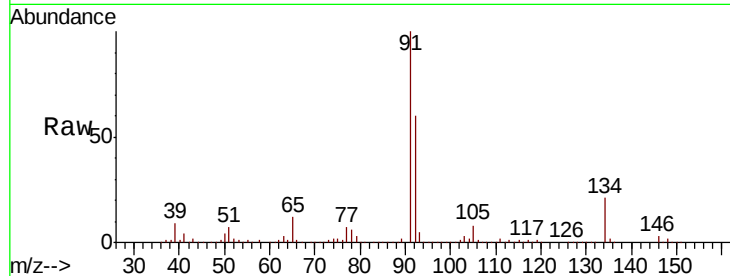




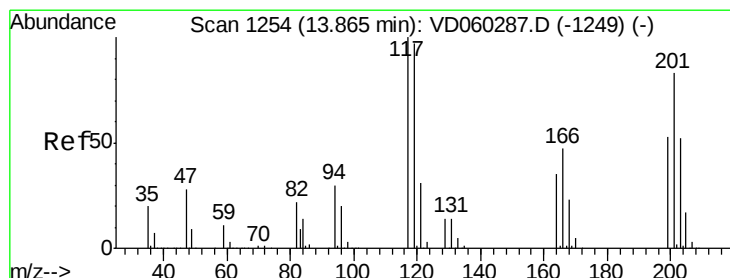
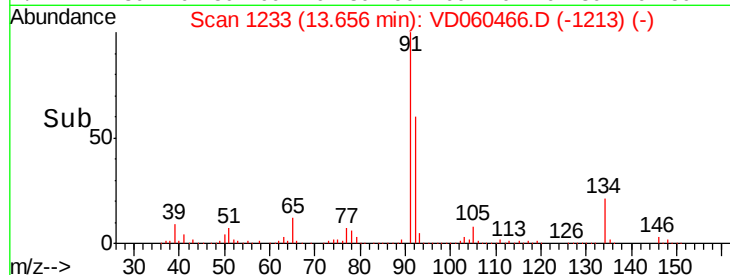
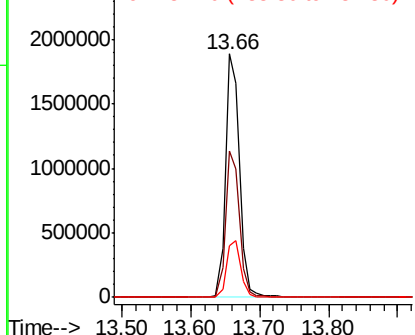
#89
n-Butylbenzene
Concen: 56.290 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2640543
Ion Ratio Lower Upper
91 100
92 60.1 30.3 90.9
134 21.1 13.0 38.9

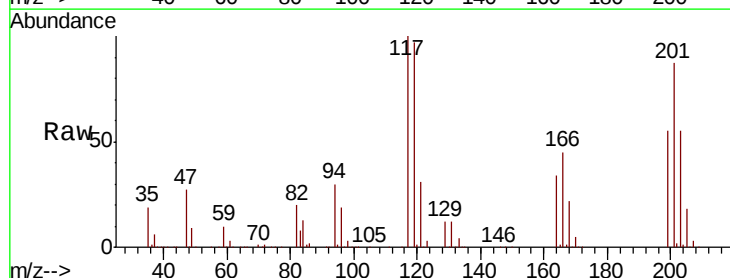


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

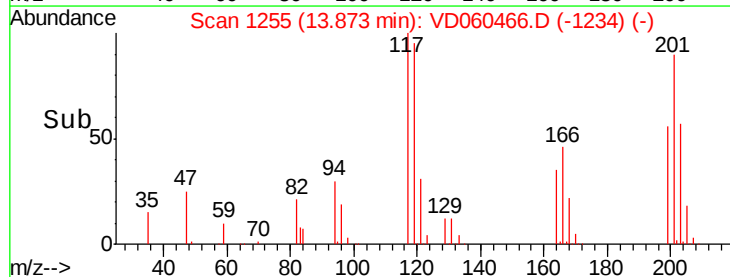
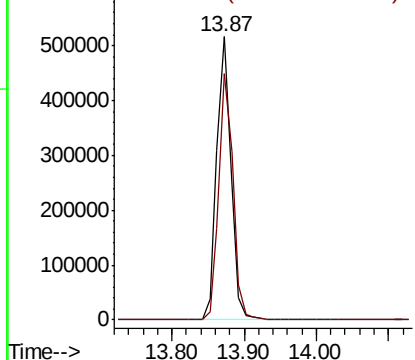


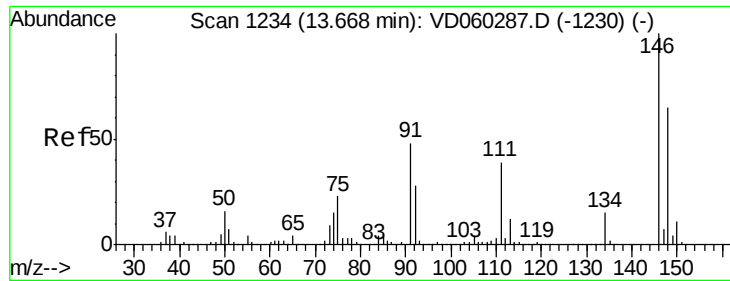
#90
Hexachloroethane
Concen: 59.402 ug/l
RT: 13.87 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

Tgt Ion: 117 Resp: 694509
Ion Ratio Lower Upper
117 100
201 87.2 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

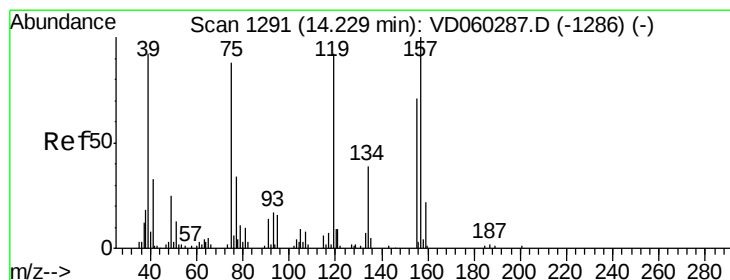
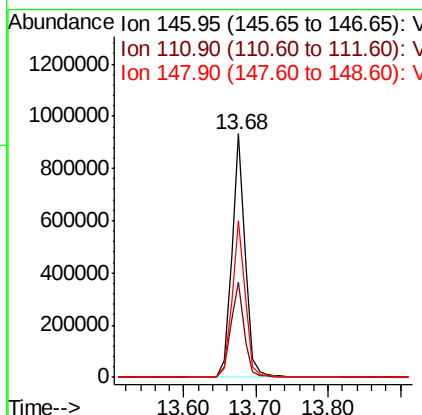
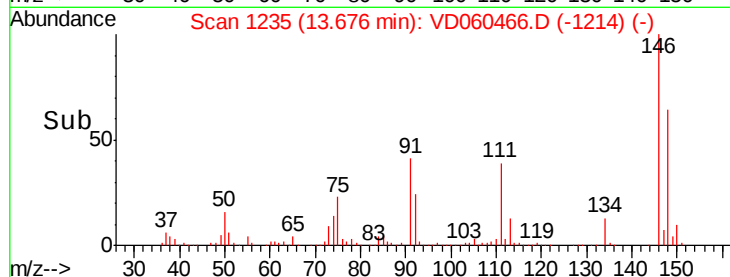
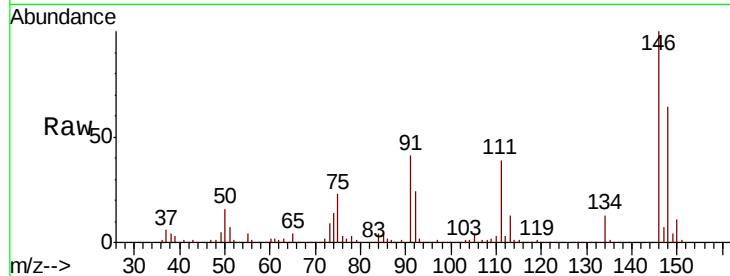




#91
 1,2-Dichlorobenzene
 Concen: 52.929 ug/l
 RT: 13.68 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: VD060466.D
 Acq: 3 Dec 2018 10:20

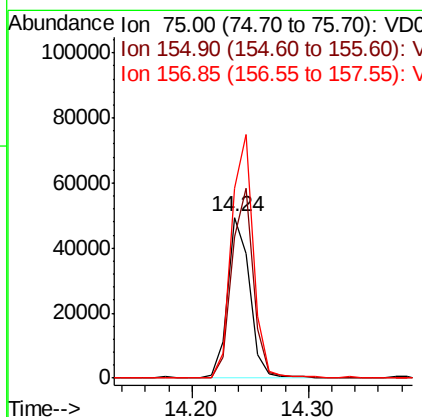
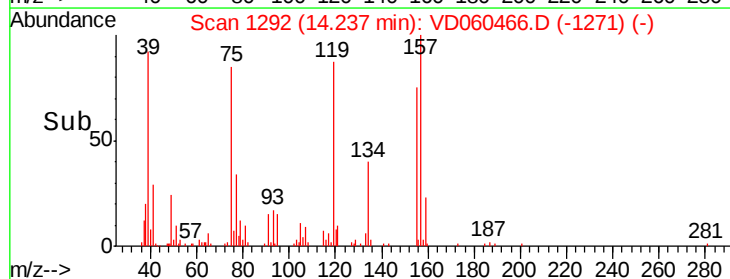
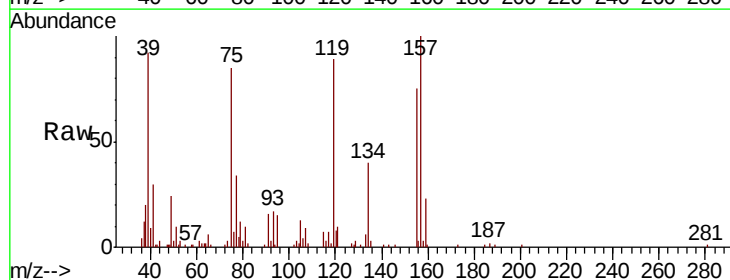
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

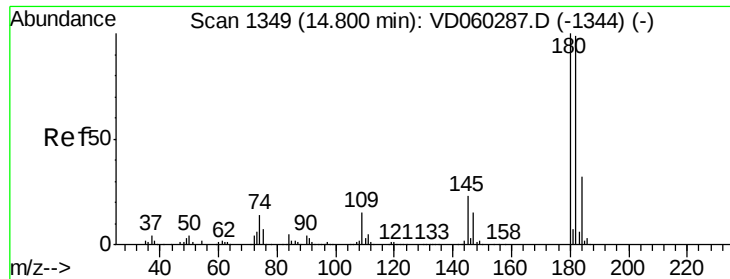
Tot Ion:146 Resp: 1188351
 Ion Ratio Lower Upper
 146 100
 111 39.3 18.9 56.9
 148 64.2 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.938 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060466.D
 Acq: 3 Dec 2018 10:20

Tgt Ion: 75 Resp: 65015
 Ion Ratio Lower Upper
 75 100
 155 88.1 64.3 192.9
 157 118.0 81.0 243.1

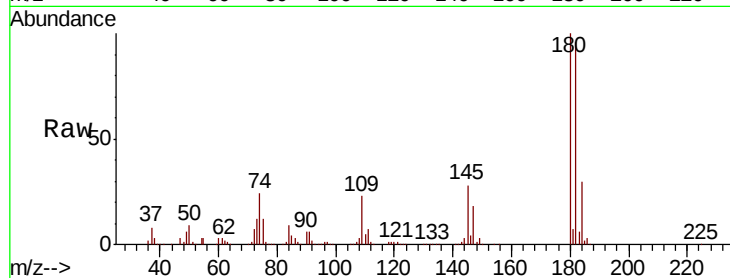




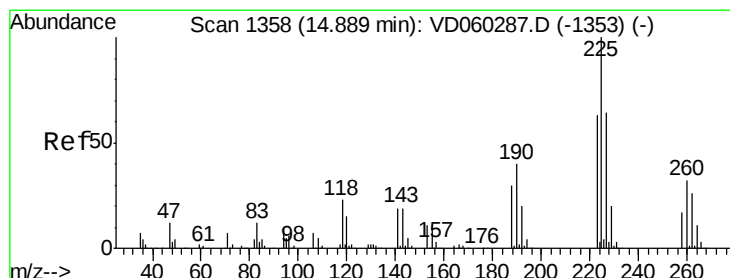
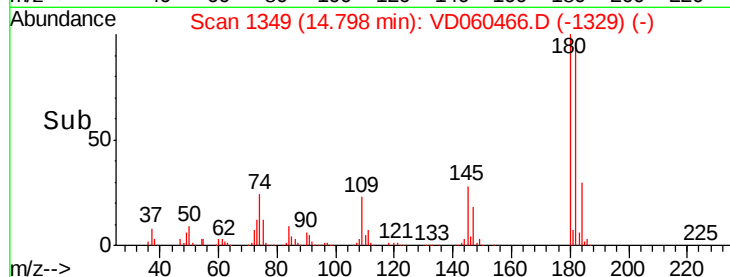
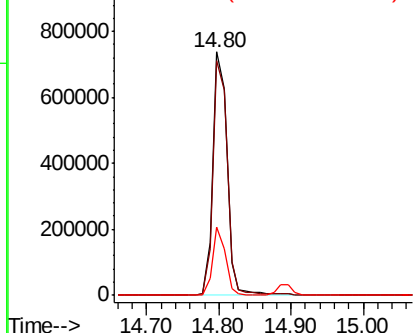
#93
 1,2,4-Trichlorobenzene
 Concen: 56.651 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VD060466.D
 Acq: 3 Dec 2018 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 1008452
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.1 144.4
 145 28.2 11.5 34.4

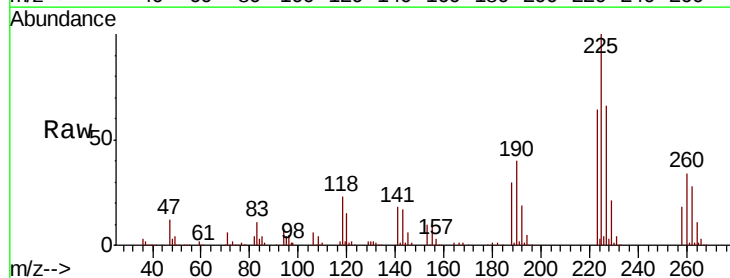


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

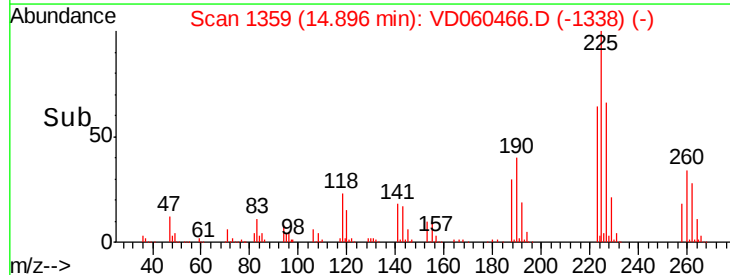
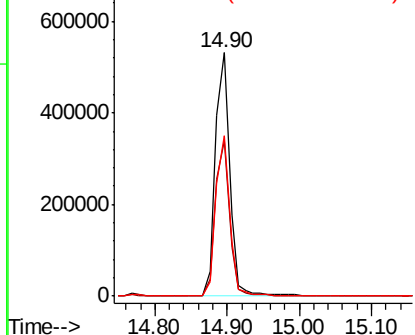


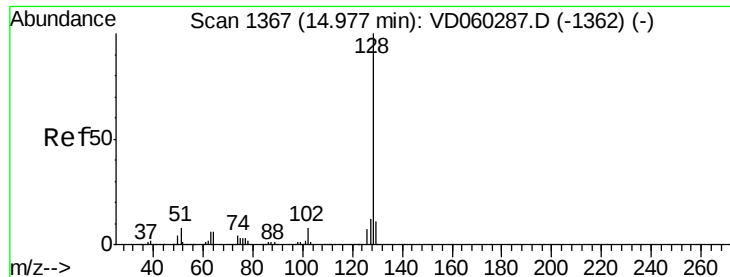
#94
 Hexachlorobutadiene
 Concen: 54.496 ug/l
 RT: 14.90 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD060466.D
 Acq: 3 Dec 2018 10:20

Tgt Ion:225 Resp: 725601
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.6 94.8
 227 65.7 32.3 96.9



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

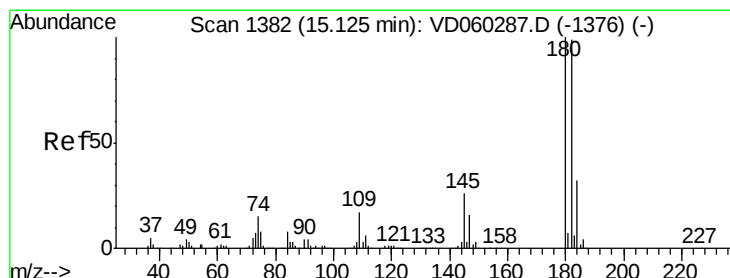
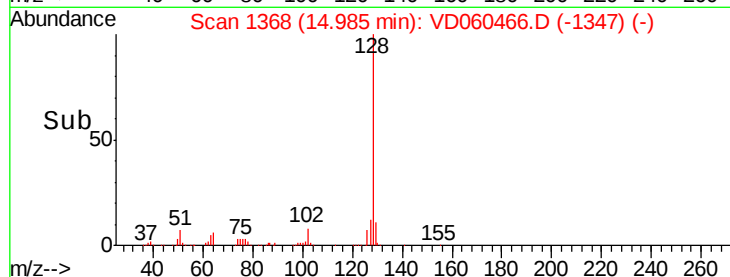
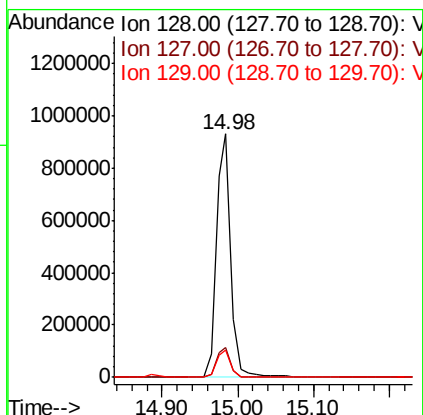
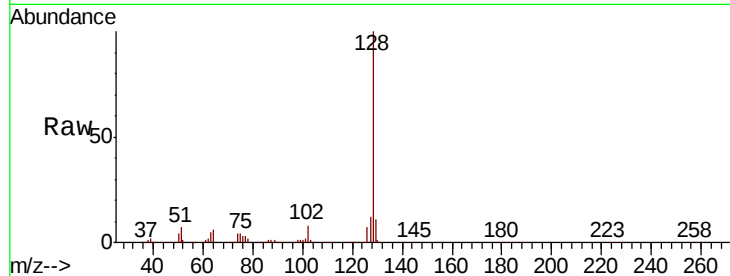




#95
Naphthalene
Concen: 57.601 ug/l
RT: 14.98 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1252053
Ion Ratio Lower Upper
128 100
127 12.4 9.6 14.4
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 57.945 ug/l
RT: 15.13 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VD060466.D
Acq: 3 Dec 2018 10:20

Tgt Ion:180 Resp: 826567
Ion Ratio Lower Upper
180 100
182 98.9 48.9 146.7
145 24.4 12.9 38.6

