

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061295.D
 Acq On : 25 Mar 2019 10:51
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 26 02:02:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 01:57:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	717123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1140134	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1022601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	439702	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	32079	5.18	ug/l	0.00
Spiked Amount			Recovery	=	10.36%	
35) Dibromofluoromethane	6.94	113	46970	5.38	ug/l	0.00
Spiked Amount			Recovery	=	10.76%	
50) Toluene-d8	10.42	98	114923	5.43	ug/l	0.00
Spiked Amount			Recovery	=	10.86%	
62) 4-Bromofluorobenzene	13.56	95	45334	5.49	ug/l	0.00
Spiked Amount			Recovery	=	10.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	43736	5.962	ug/l	91
3) Chloromethane	1.78	50	33353	5.829	ug/l	93
4) Vinyl Chloride	1.88	62	30505	5.702	ug/l	97
5) Bromomethane	2.17	94	7869	7.105	ug/l	85
6) Chloroethane	2.29	64	9891	5.875	ug/l #	88
7) Trichlorofluoromethane	2.55	101	48715	6.151	ug/l	95
8) Diethyl Ether	2.89	74	12406	5.275	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.17	101	48860	6.069	ug/l	96
10) Methyl Iodide	3.33	142	43498	3.867	ug/l	99
11) Tert butyl alcohol	4.08	59	8150	24.739	ug/l #	77
12) 1,1-Dichloroethene	3.16	96	41230	5.952	ug/l	98
13) Acrolein	3.06	56	7271	20.136	ug/l #	80
14) Allyl chloride	3.64	41	57614	5.873	ug/l	99
15) Acrylonitrile	4.21	53	31035	26.787	ug/l	92
16) Acetone	3.24	43	35380	23.878	ug/l	94
17) Carbon Disulfide	3.40	76	133928	5.817	ug/l	96
18) Methyl Acetate	3.66	43	16255	5.809	ug/l	95
19) Methyl tert-butyl Ether	4.26	73	66577	5.454	ug/l	99
20) Methylene Chloride	3.83	84	57929	6.894	ug/l	95
21) trans-1,2-Dichloroethene	4.25	96	44268	5.710	ug/l	98
22) Diisopropyl ether	5.13	45	116087	5.618	ug/l	93
23) Vinyl Acetate	5.07	43	301274	27.311	ug/l	99
24) 1,1-Dichloroethane	5.01	63	68462	5.677	ug/l	96
25) 2-Butanone	6.08	43	42460	24.799	ug/l	95
26) 2,2-Dichloropropane	6.04	77	60807	5.945	ug/l	96
27) cis-1,2-Dichloroethene	6.06	96	46992	5.636	ug/l	95
28) Bromochloromethane	6.45	49	22358	4.429	ug/l	89
29) Tetrahydrofuran	6.46	42	23351	27.400	ug/l	96
30) Chloroform	6.68	83	72275	5.621	ug/l	96
31) Cyclohexane	6.96	56	54348	5.552	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	64584	5.672	ug/l	97
36) 1,1-Dichloropropene	7.16	75	58338	6.256	ug/l	96
37) Ethyl Acetate	6.20	43	22485	5.790	ug/l #	96
38) Carbon Tetrachloride	7.12	117	65056	5.903	ug/l	96

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 Data File : VD061295.D
 Acq On : 25 Mar 2019 10:51
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Quant Time: Mar 26 02:02:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 01:57:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	58060	6.007	ug/l	95
40) Benzene	7.47	78	132152	5.701	ug/l	97
41) Methacrylonitrile	6.46	41	25630	5.660	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	42001	5.814	ug/l	95
43) Isopropyl Acetate	9.25	43	28939	5.151	ug/l #	100
44) Trichloroethene	8.55	130	50192	5.991	ug/l	94
45) 1,2-Dichloropropane	8.94	63	31661	5.537	ug/l	96
46) Dibromomethane	9.07	93	22179	5.657	ug/l	89
47) Bromodichloromethane	9.39	83	53599	5.834	ug/l	96
48) Methyl methacrylate	9.13	41	15791	5.266	ug/l	96
49) 1,4-Dioxane	9.09	88	2923	88.848	ug/l #	55
51) 4-Methyl-2-Pentanone	10.30	43	95535	28.567	ug/l	98
52) Toluene	10.52	92	87882	6.200	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	46260	5.794	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	57123	5.860	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	25994	5.523	ug/l	94
56) Ethyl methacrylate	11.04	69	26975	5.372	ug/l	99
57) 1,3-Dichloropropane	11.41	76	37844	5.325	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	57460	21.994	ug/l	98
59) 2-Hexanone	11.53	43	61689	25.398	ug/l	99
60) Dibromochloromethane	11.69	129	40920	5.551	ug/l	93
61) 1,2-Dibromoethane	11.81	107	28673	5.214	ug/l	98
64) Tetrachloroethene	11.27	164	40318	5.723	ug/l	97
65) Chlorobenzene	12.40	112	103737	5.508	ug/l	93
66) 1,1,1,2-Tetrachloroethane	12.52	131	38521	5.275	ug/l	96
67) Ethyl Benzene	12.53	91	170235	5.906	ug/l	98
68) m/p-Xylenes	12.67	106	136448	12.126	ug/l	94
69) o-Xylene	13.05	106	60749	5.821	ug/l	98
70) Styrene	13.08	104	102390	5.781	ug/l	94
71) Bromoform	13.24	173	22295	4.989	ug/l #	98
73) Isopropylbenzene	13.40	105	185234	6.477	ug/l	97
74) N-amyl acetate	13.27	43	40142	5.365	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	28450	5.130	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	28352	5.185	ug/l	93
77) Bromobenzene	13.67	156	45064	5.641	ug/l	96
78) n-propylbenzene	13.78	91	196228	6.082	ug/l	94
79) 2-Chlorotoluene	13.84	91	121017	6.455	ug/l	95
80) 1,3,5-Trimethylbenzene	14.24	105	133307	5.909	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	8533	4.945	ug/l	96
82) 4-Chlorotoluene	13.94	91	125335	6.103	ug/l	97
83) tert-Butylbenzene	14.19	119	151695	5.889	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	133307	5.909	ug/l	96
85) sec-Butylbenzene	14.37	105	171607	5.982	ug/l	95
86) p-Isopropyltoluene	14.50	119	156263	6.105	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	85712	6.053	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	83698	6.102	ug/l	97
89) n-Butylbenzene	14.80	91	141790	6.240	ug/l	96
90) Hexachloroethane	15.01	117	36255	5.283	ug/l	87
91) 1,2-Dichlorobenzene	14.81	146	71928	6.366	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	3171	4.576	ug/l	73

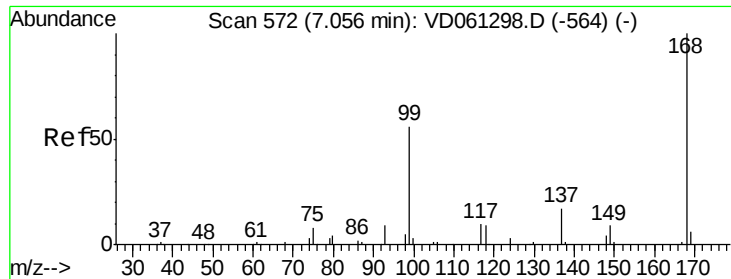
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
Data File : VD061295.D
Acq On : 25 Mar 2019 10:51
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Mar 26 02:02:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 01:57:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	28109	5.387	ug/l	95
94) Hexachlorobutadiene	16.04	225	22485	5.347	ug/l	95
95) Naphthalene	16.12	128	39105	5.137	ug/l	95
96) 1,2,3-Trichlorobenzene	16.27	180	12622	5.179	ug/l	94

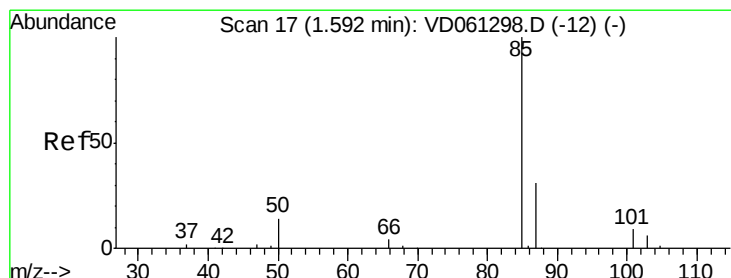
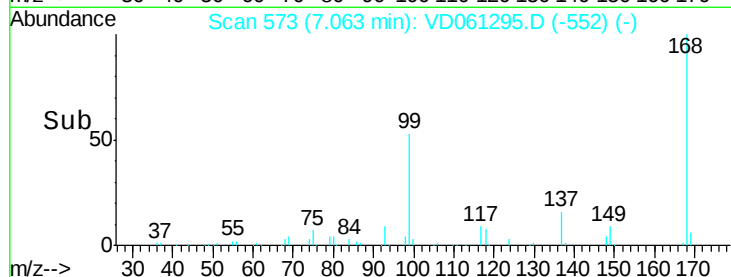
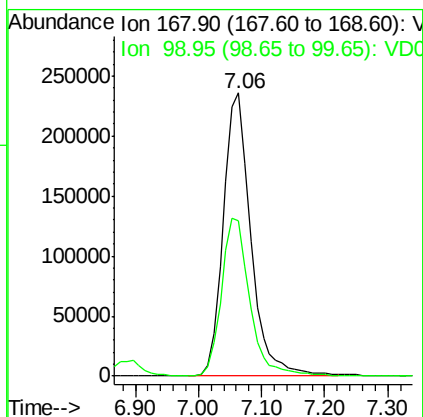
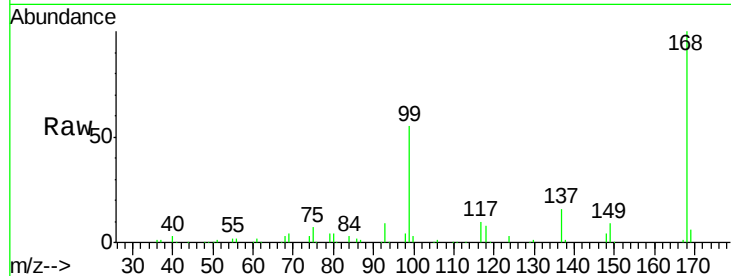
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

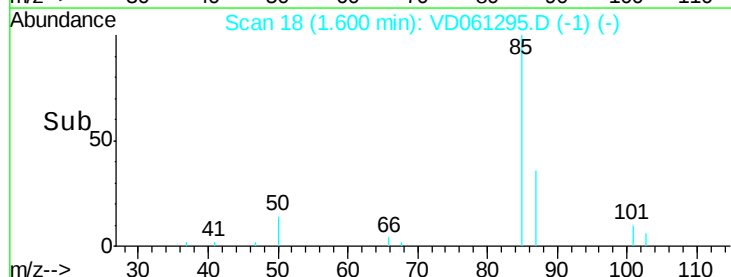
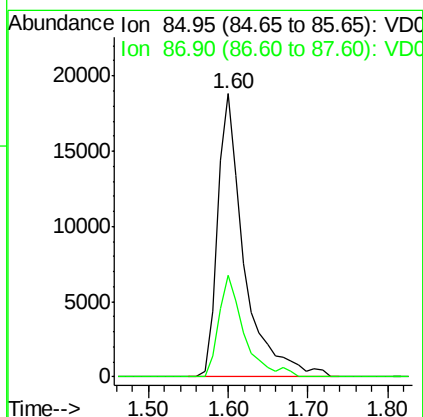
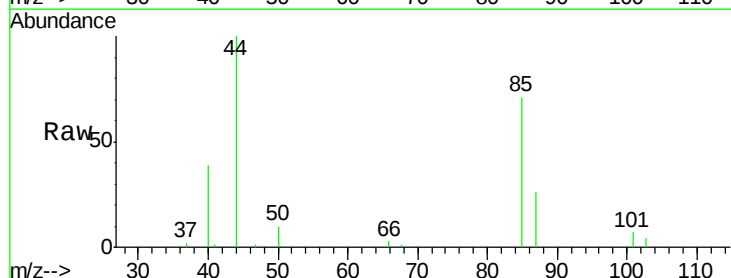
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

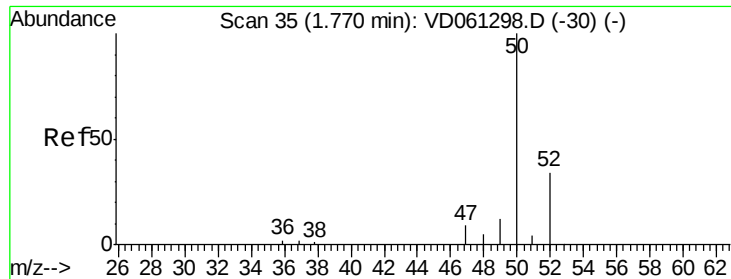
Tot Ion:168 Resp: 717123
Ion Ratio Lower Upper
168 100
99 54.8 45.8 68.8



#2
Dichlorodifluoromethane
Concen: 5.962 ug/l
RT: 1.60 min Scan# 18
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Tgt Ion: 85 Resp: 43736
Ion Ratio Lower Upper
85 100
87 36.0 15.4 46.4





#3

Chloromethane

Concen: 5.829 ug/l

RT: 1.78 min Scan# 36

Delta R.T. 0.01 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

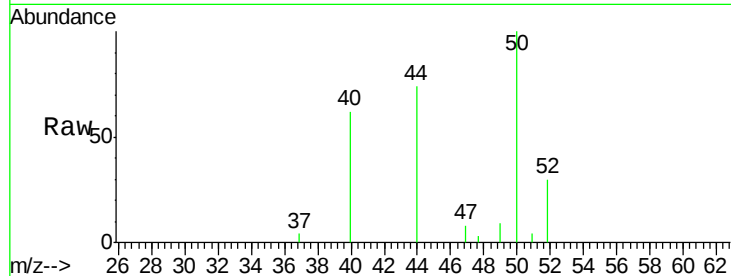
VSTDIC005

Tot Ion: 50 Resp: 33353

Ion Ratio Lower Upper

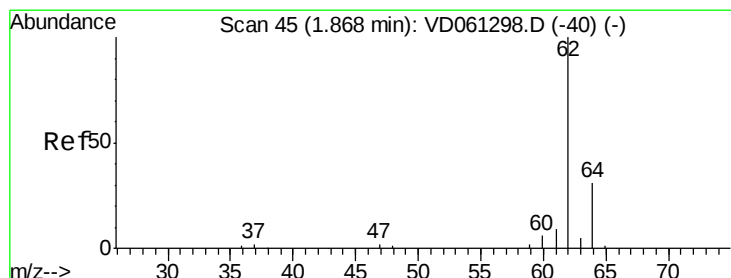
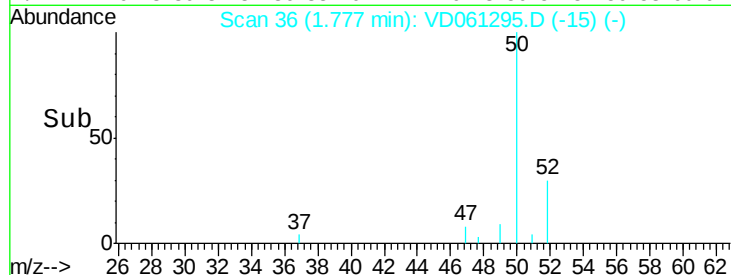
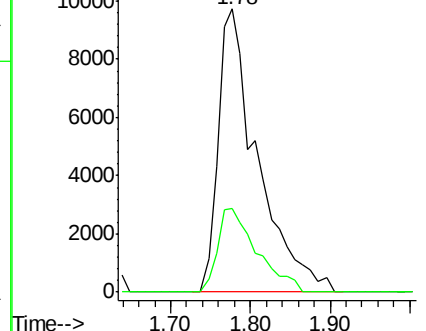
50 100

52 29.8 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.702 ug/l

RT: 1.88 min Scan# 46

Delta R.T. 0.01 min

Lab File: VD061295.D

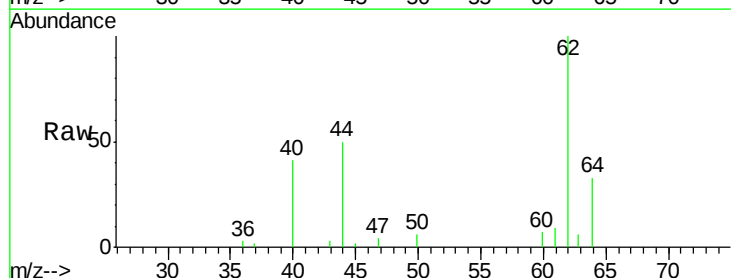
Acq: 25 Mar 2019 10:51

Tgt Ion: 62 Resp: 30505

Ion Ratio Lower Upper

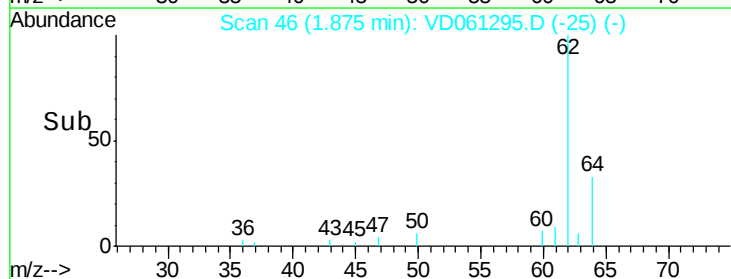
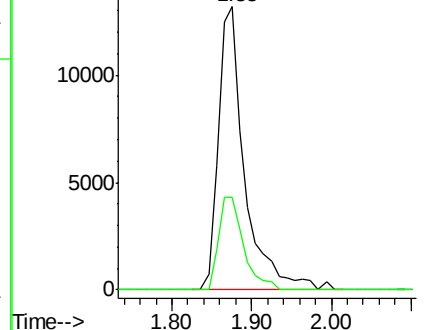
62 100

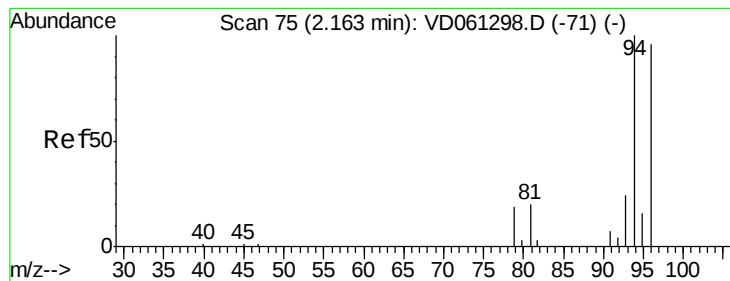
64 32.9 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 7.105 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.01 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

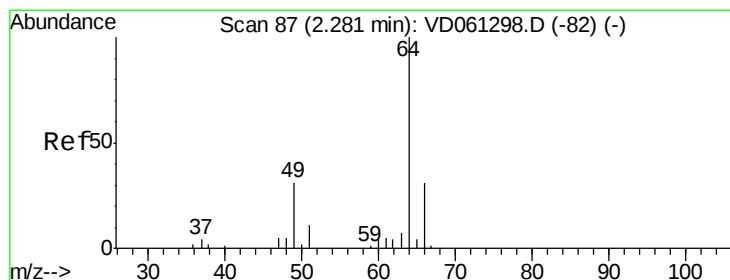
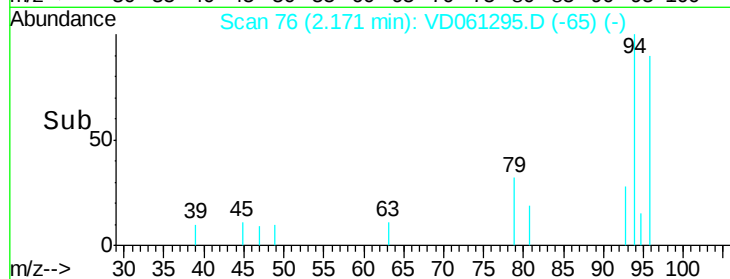
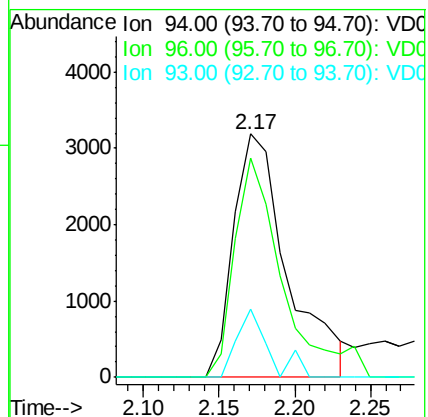
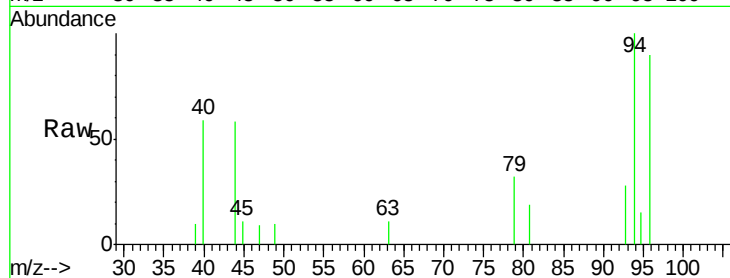
Tot Ion: 94 Resp: 7869

Ion Ratio Lower Upper

94 100

96 78.3 76.9 115.3

93 24.4 18.8 28.2



#6

Chloroethane

Concen: 5.875 ug/l

RT: 2.29 min Scan# 88

Delta R.T. 0.01 min

Lab File: VD061295.D

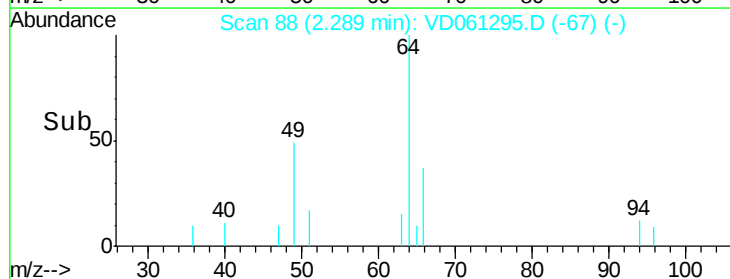
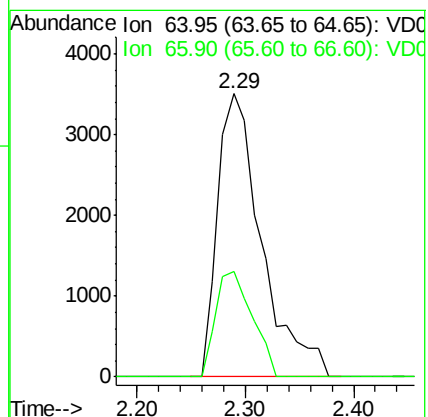
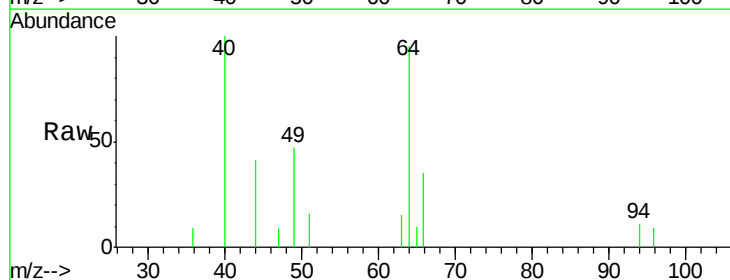
Acq: 25 Mar 2019 10:51

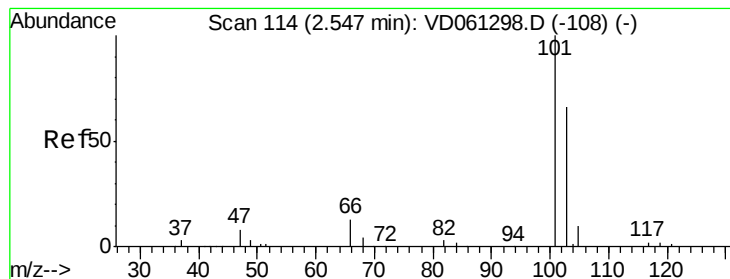
Tgt Ion: 64 Resp: 9891

Ion Ratio Lower Upper

64 100

66 37.2 24.6 36.8#



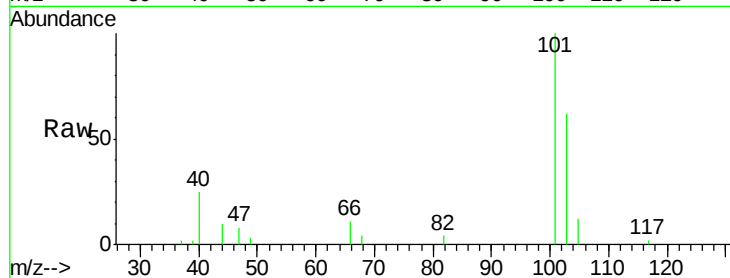


#7

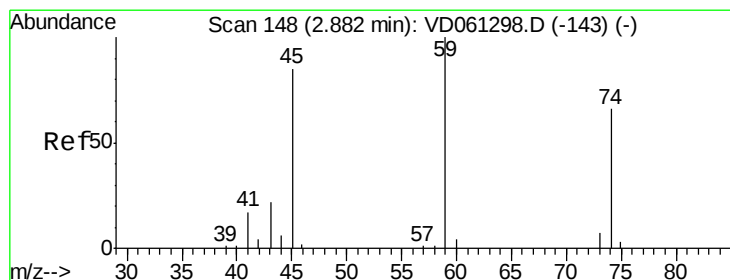
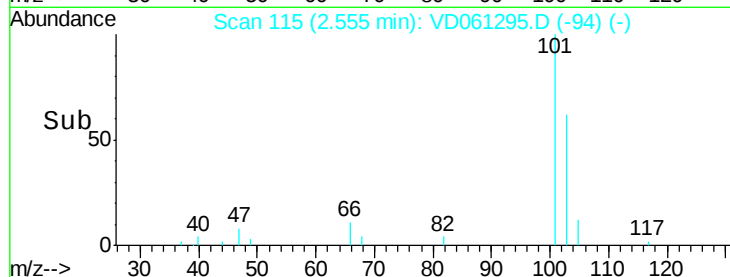
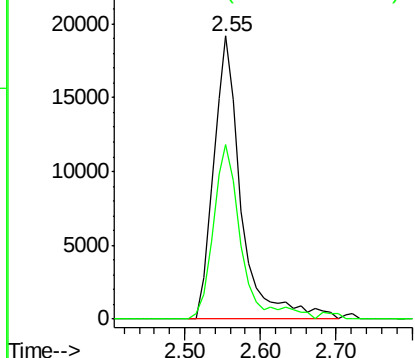
Trichlorofluoromethane
Concen: 6.151 ug/l
RT: 2.55 min Scan# 115
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 101 Resp: 48715
Ion Ratio Lower Upper
101 100
103 61.7 52.6 79.0



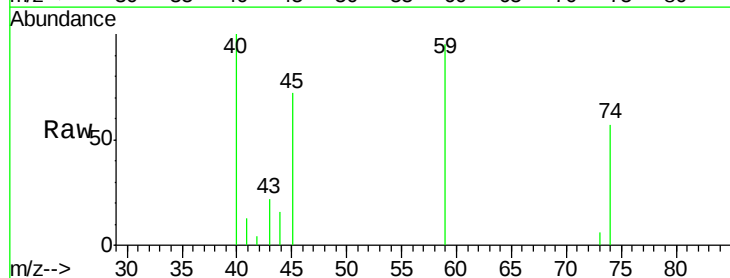
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



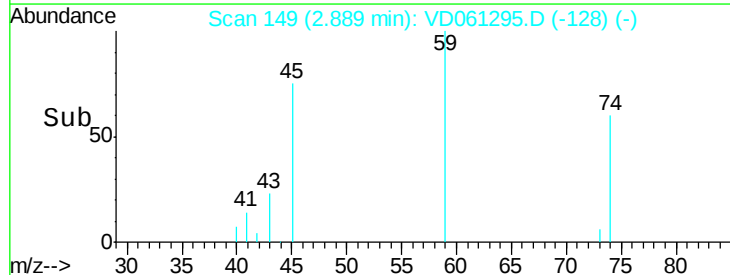
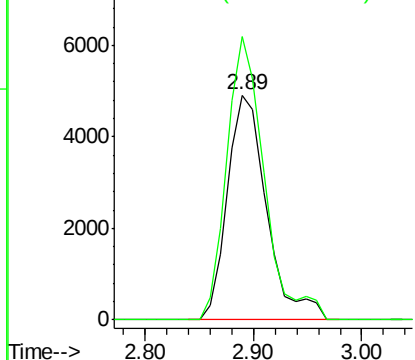
#8

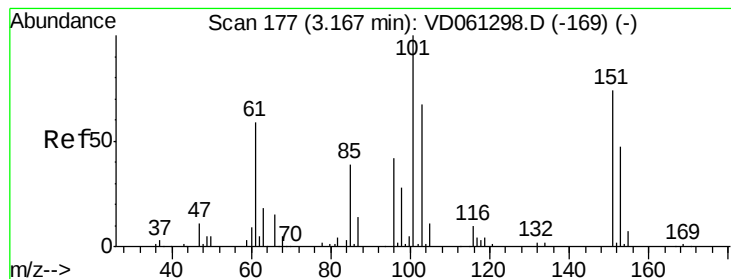
Diethyl Ether
Concen: 5.275 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Tgt Ion: 74 Resp: 12406
Ion Ratio Lower Upper
74 100
45 125.8 64.3 192.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.069 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

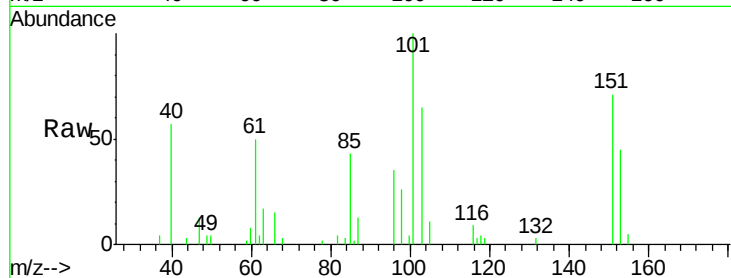
Tot Ion:101 Resp: 48860

Ion Ratio Lower Upper

101 100

85 42.5 31.6 47.4

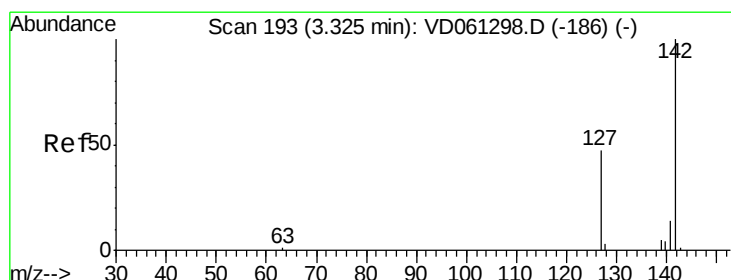
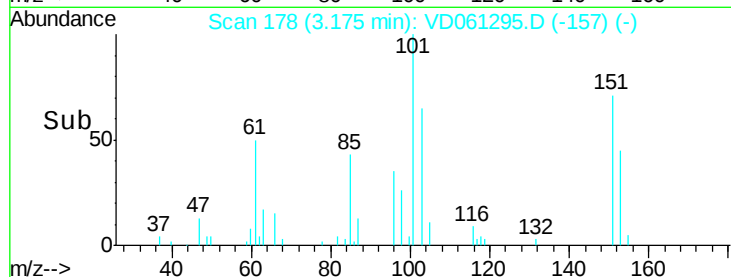
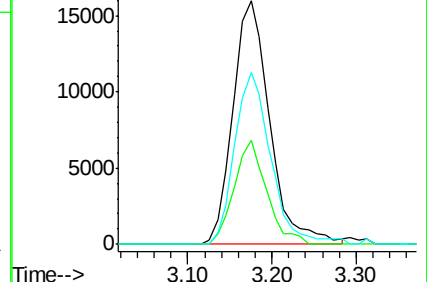
151 70.6 59.3 88.9



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: 3.867 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.01 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

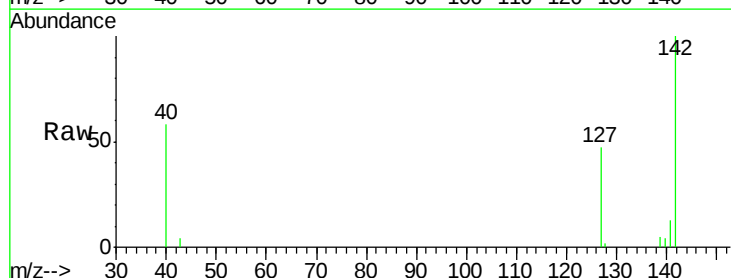
Tgt Ion:142 Resp: 43498

Ion Ratio Lower Upper

142 100

127 47.3 37.8 56.6

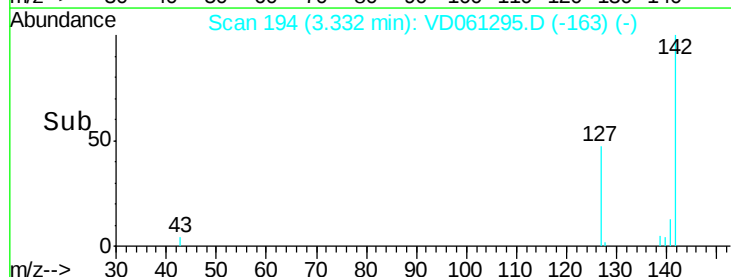
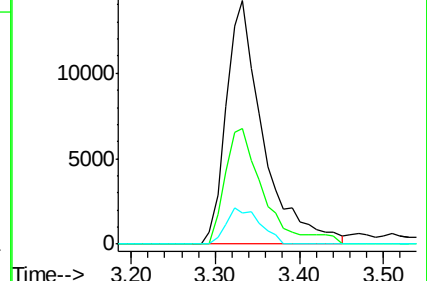
141 12.7 11.6 17.4

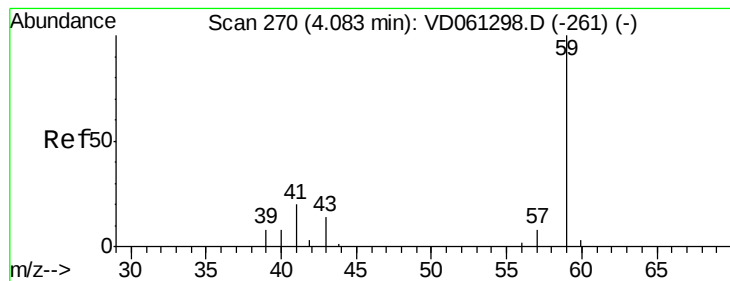


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



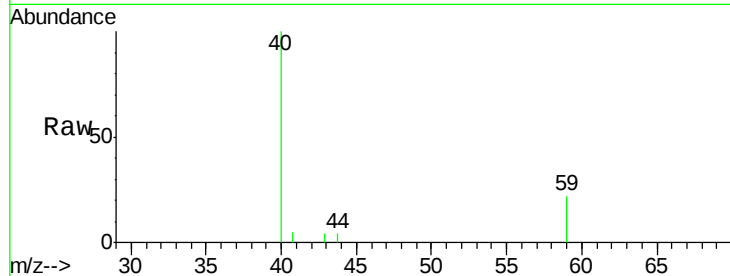


#11

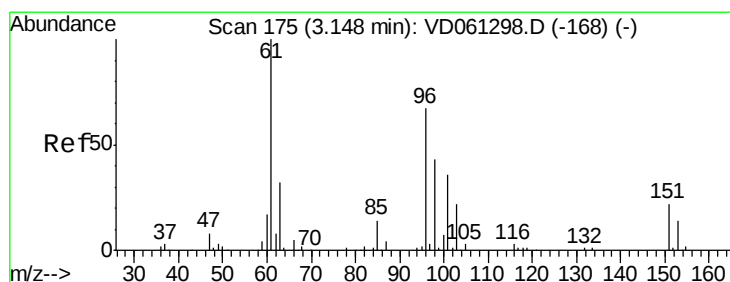
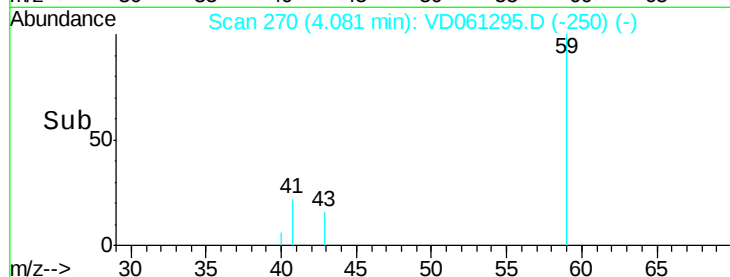
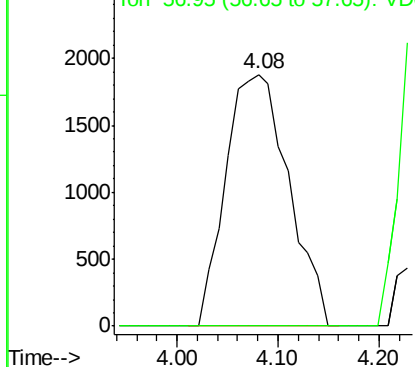
Tert butyl alcohol
 Concen: 24.739 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VD061295.D
 Acq: 25 Mar 2019 10:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 8150
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.6 9.8#



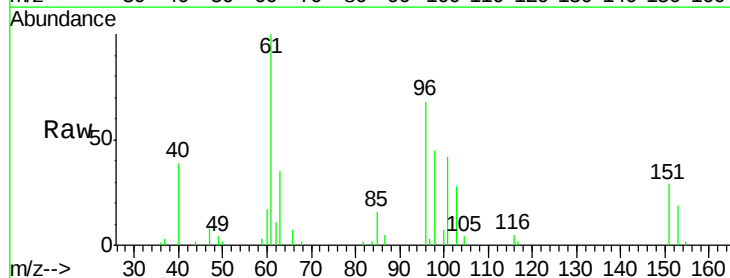
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



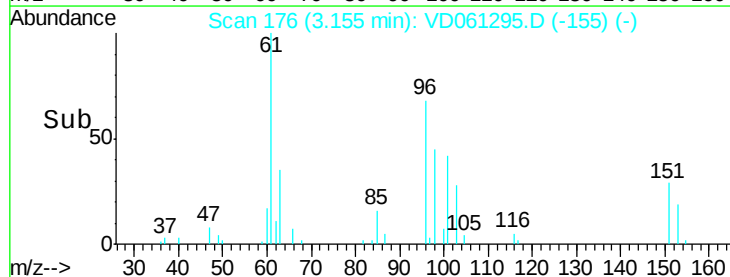
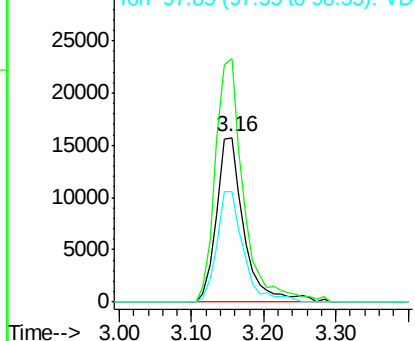
#12

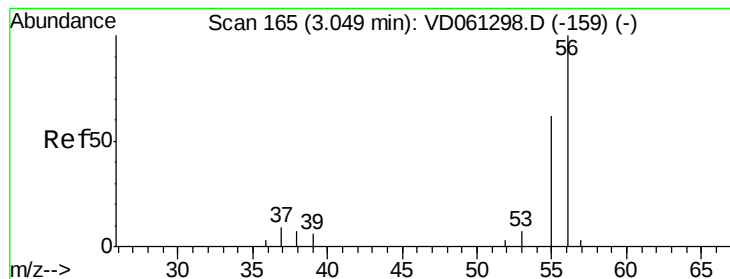
1,1-Dichloroethene
 Concen: 5.952 ug/l
 RT: 3.16 min Scan# 175
 Delta R.T. 0.01 min
 Lab File: VD061295.D
 Acq: 25 Mar 2019 10:51

Tgt Ion: 96 Resp: 41230
 Ion Ratio Lower Upper
 96 100
 61 148.0 120.2 180.2
 98 66.9 52.2 78.4



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: 20.136 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.01 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

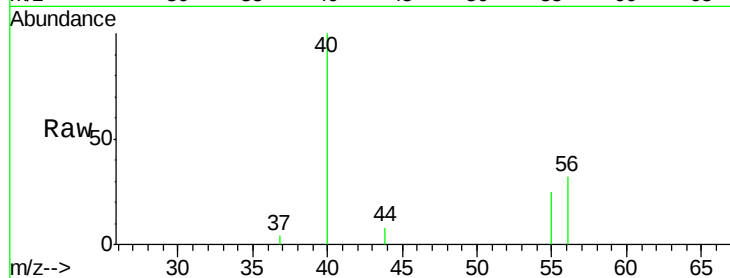
VSTDIC005

Tot Ion: 56 Resp: 7271

Ion Ratio Lower Upper

56 100

55 77.5 49.8 74.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.06

2500

2000

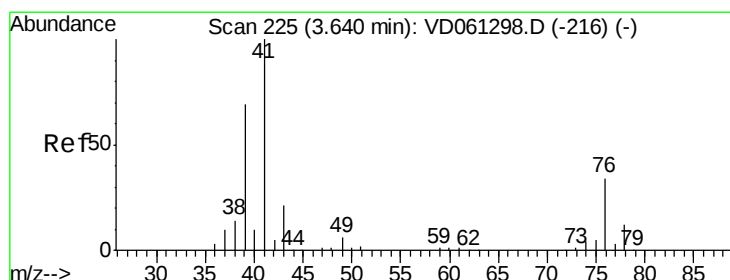
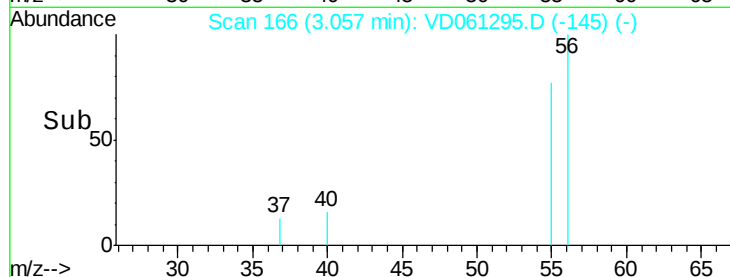
1500

1000

500

0

Time--> 2.95 3.00 3.05 3.10 3.15



#14

Allyl chloride

Concen: 5.873 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

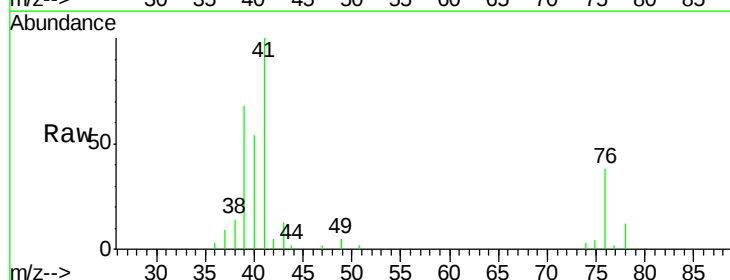
Tgt Ion: 41 Resp: 57614

Ion Ratio Lower Upper

41 100

39 67.9 55.1 82.7

76 37.8 30.2 45.2



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

3.64

25000

20000

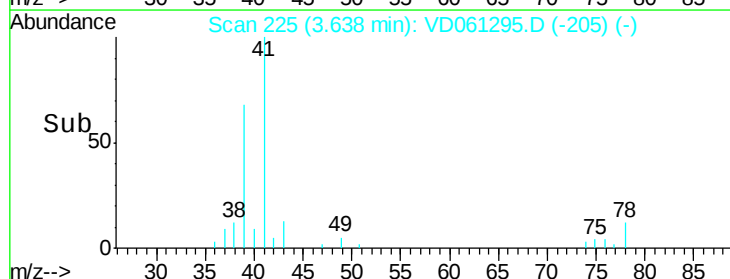
15000

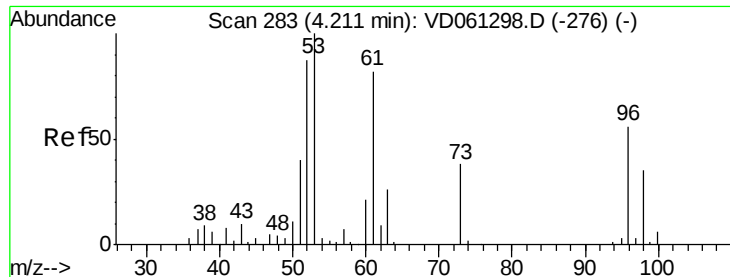
10000

5000

0

Time--> 3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 26.787 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

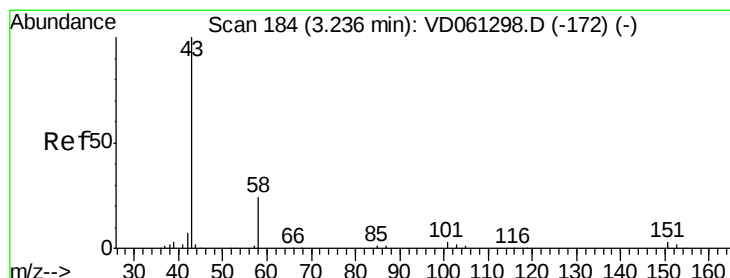
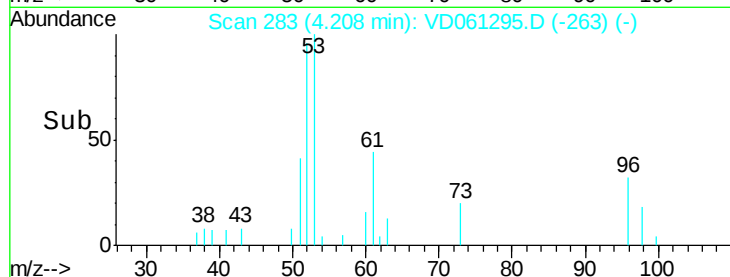
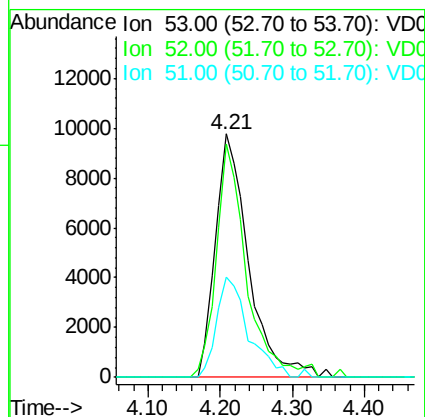
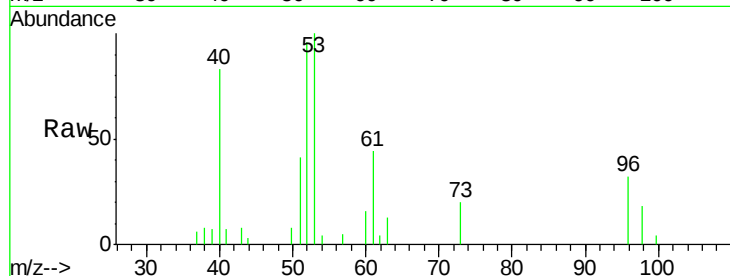
Tot Ion: 53 Resp: 31035

Ion Ratio Lower Upper

53 100

52 95.9 69.4 104.2

51 41.0 31.7 47.5



#16

Acetone

Concen: 23.878 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.01 min

Lab File: VD061295.D

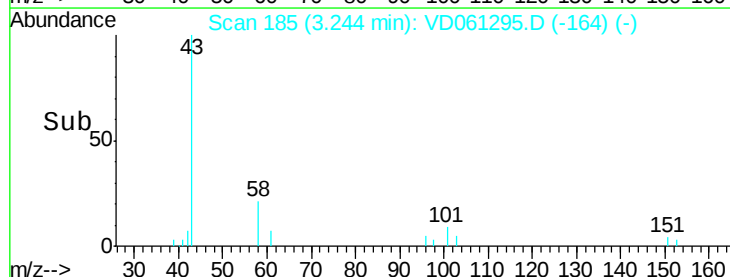
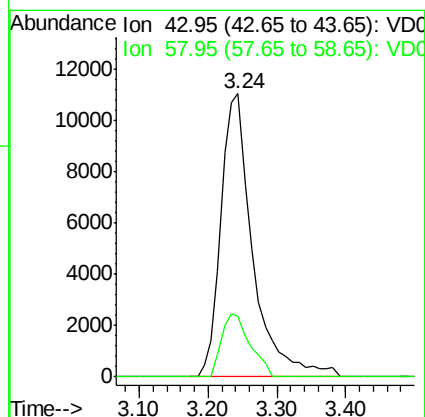
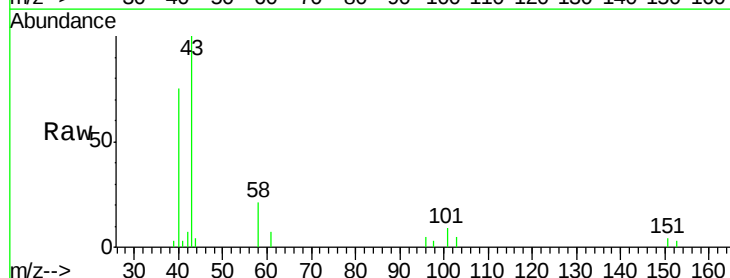
Acq: 25 Mar 2019 10:51

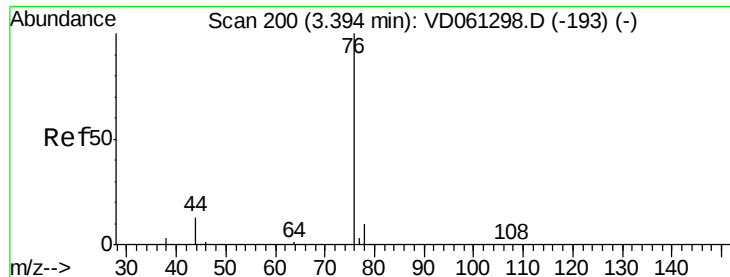
Tgt Ion: 43 Resp: 35380

Ion Ratio Lower Upper

43 100

58 21.4 19.4 29.0





#17

Carbon Disulfide

Concen: 5.817 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.01 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

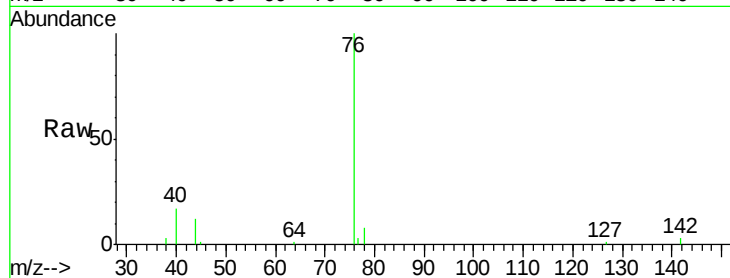
VSTDIC005

Tot Ion: 76 Resp: 133928

Ion Ratio Lower Upper

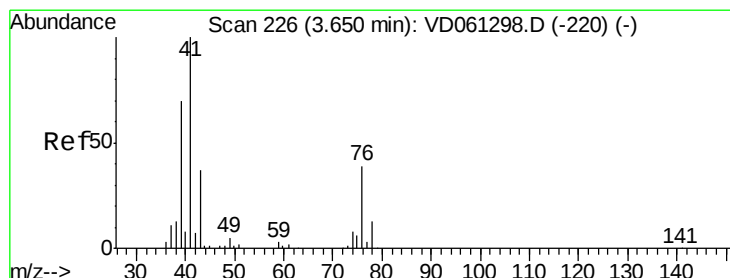
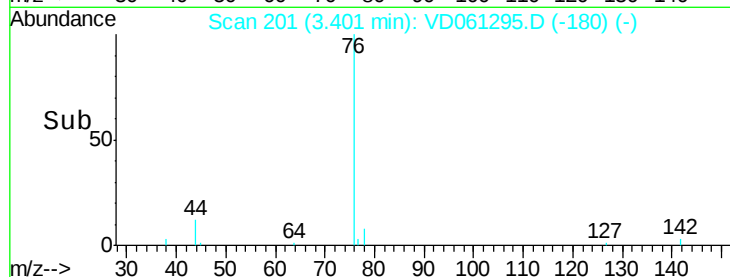
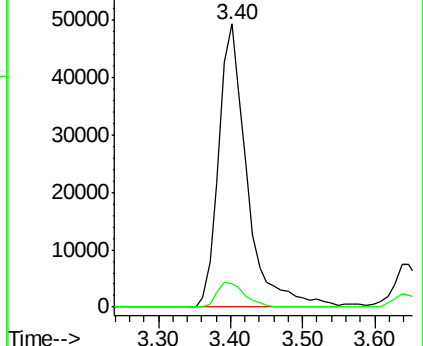
76 100

78 8.1 7.8 11.6



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 5.809 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD061295.D

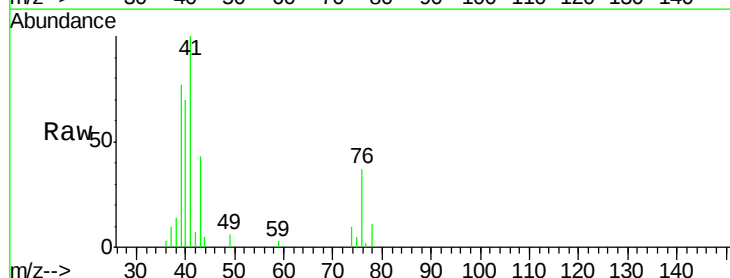
Acq: 25 Mar 2019 10:51

Tgt Ion: 43 Resp: 16255

Ion Ratio Lower Upper

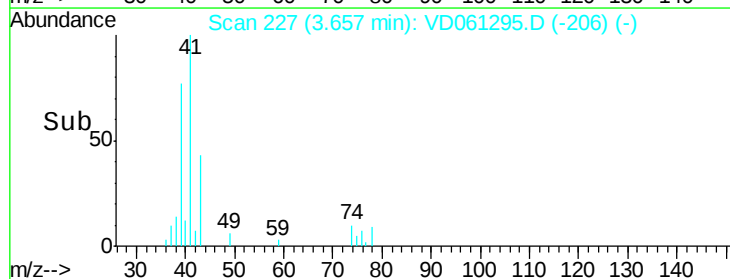
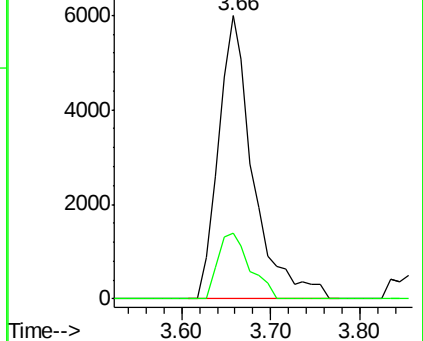
43 100

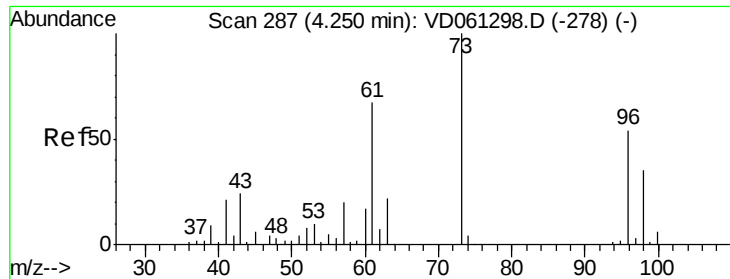
74 23.2 16.6 25.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

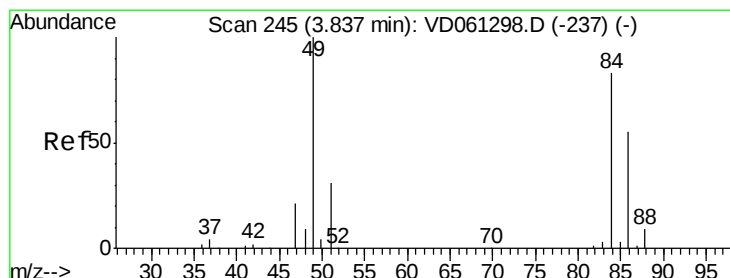
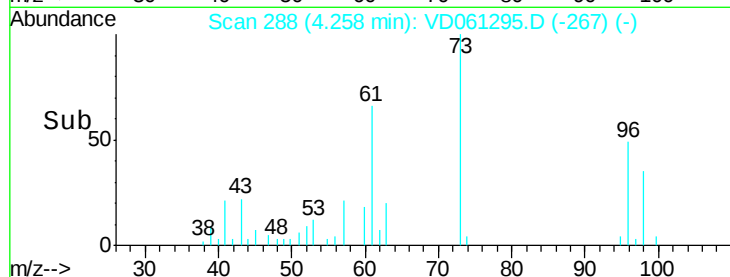
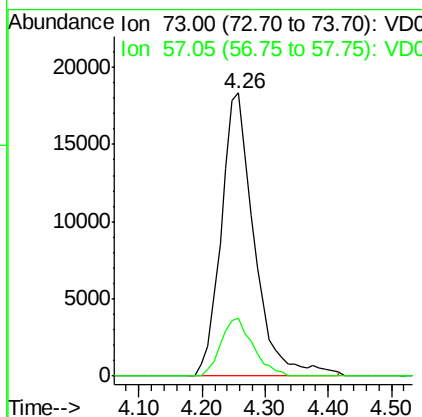
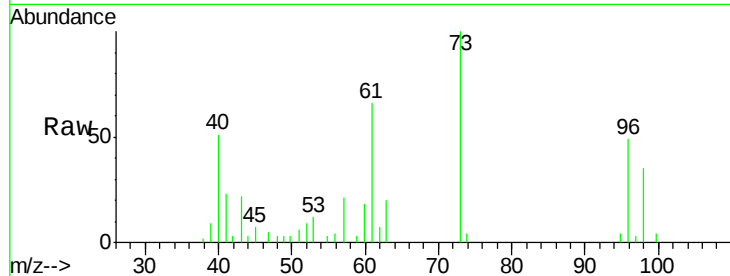




#19
Methvl tert-butvl Ether
Concen: 5.454 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

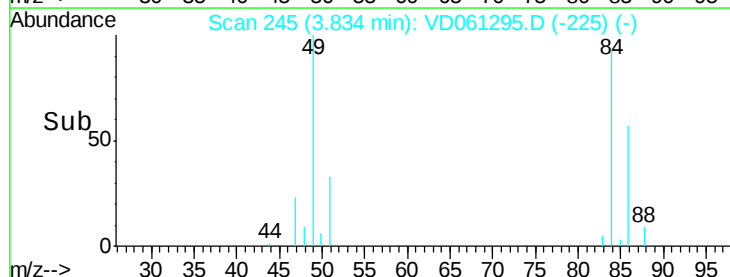
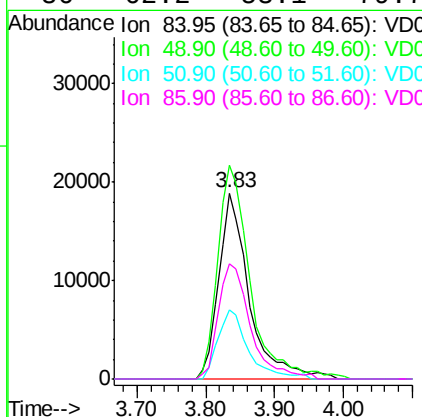
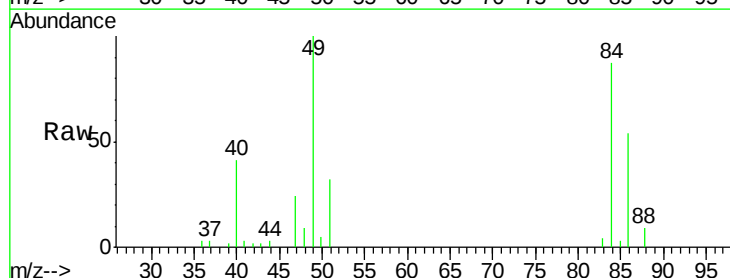
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

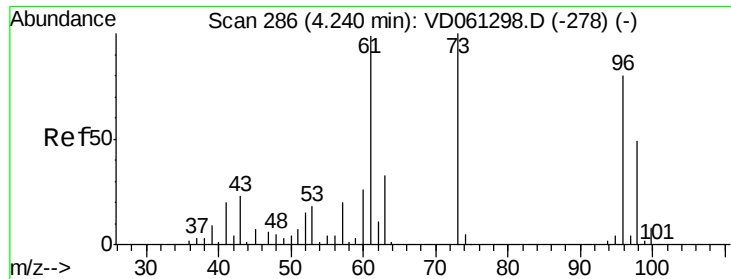
Tot Ion: 73 Resp: 66577
Ion Ratio Lower Upper
73 100
57 20.7 16.3 24.5



#20
Methylene Chloride
Concen: 6.894 ug/l
RT: 3.83 min Scan# 245
Delta R.T. -0.00 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Tgt Ion: 84 Resp: 57929
Ion Ratio Lower Upper
84 100
49 114.8 96.8 145.2
51 37.2 29.9 44.9
86 62.2 53.1 79.7

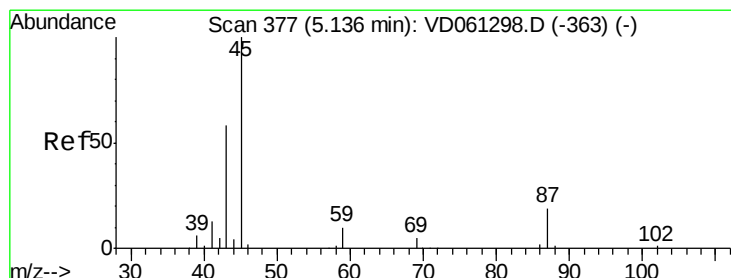
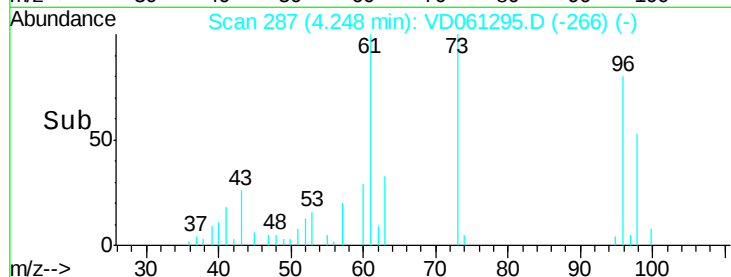
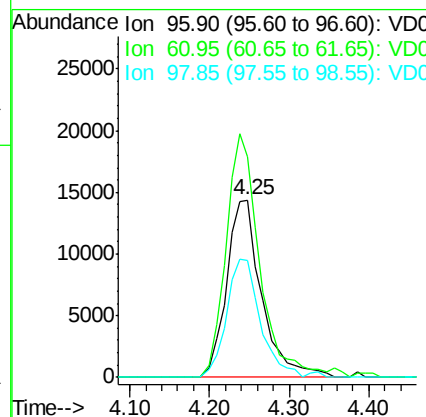
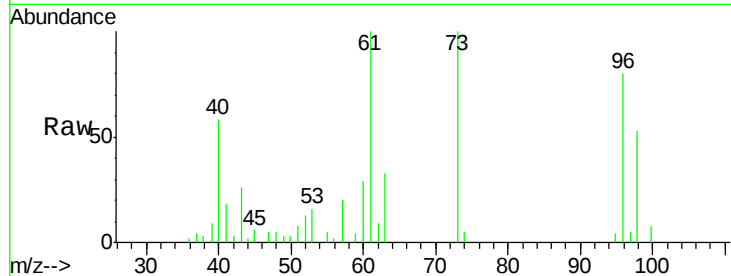




#21
trans-1,2-Dichloroethene
Concen: 5.710 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

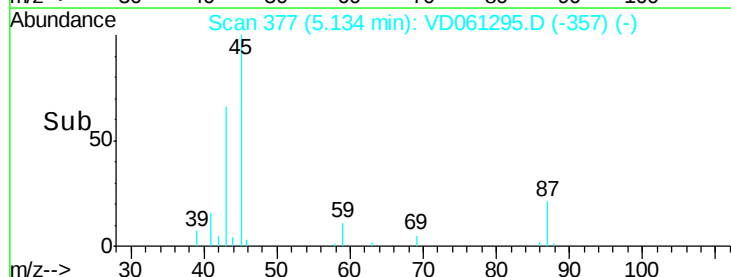
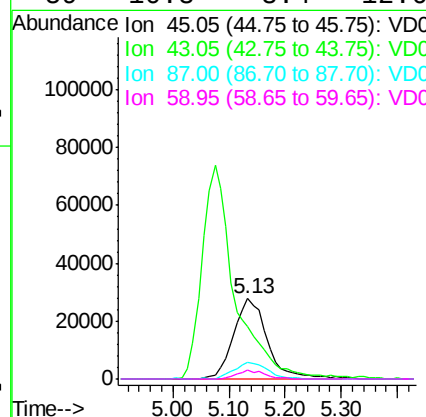
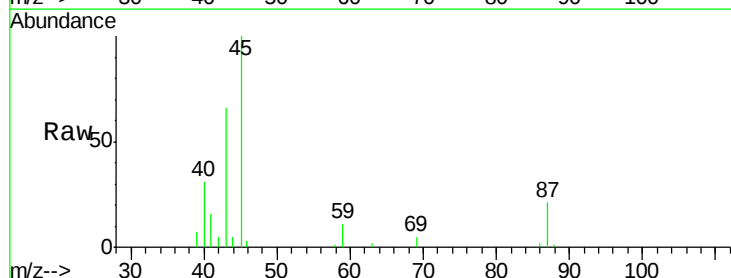
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

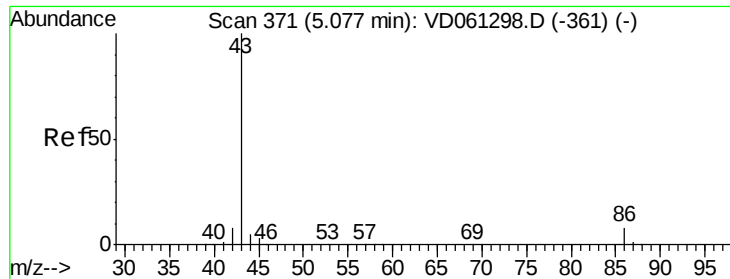
Tot Ion: 96 Resp: 44268
Ion Ratio Lower Upper
96 100
61 124.4 99.2 148.8
98 65.8 49.2 73.8



#22
Diisopropyl ether
Concen: 5.618 ug/l
RT: 5.13 min Scan# 377
Delta R.T. -0.00 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Tgt Ion: 45 Resp: 116087
Ion Ratio Lower Upper
45 100
43 65.7 46.7 70.1
87 20.7 15.5 23.3
59 10.8 8.4 12.6





#23

Vinyl Acetate

Concen: 27.311 ug/l

RT: 5.07 min Scan# 371

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

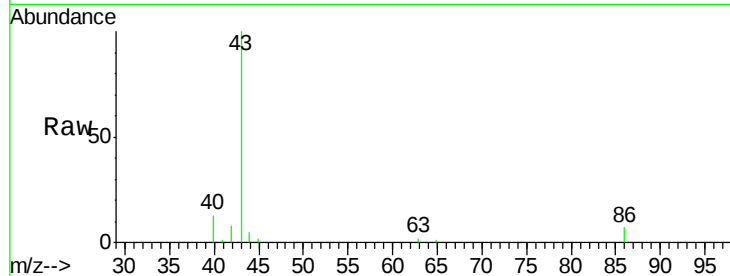
VSTDIC005

Tot Ion: 43 Resp: 301274

Ion Ratio Lower Upper

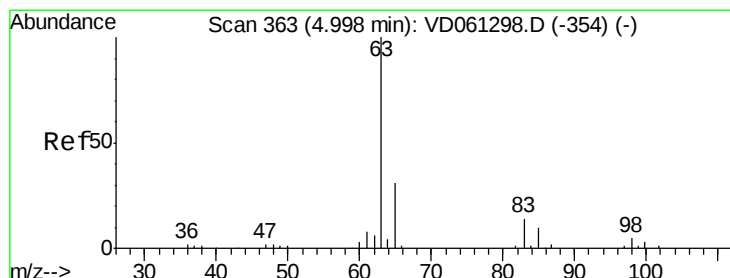
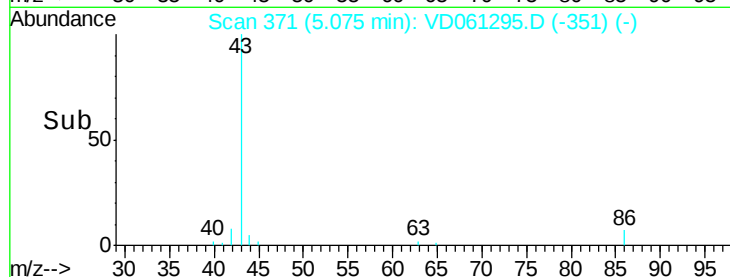
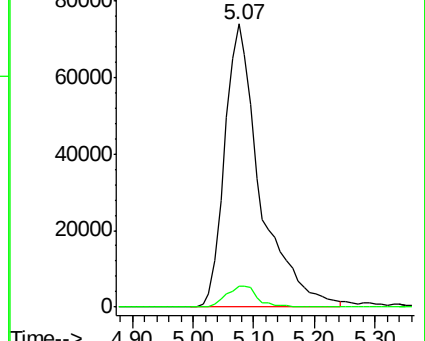
43 100

86 7.4 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.677 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

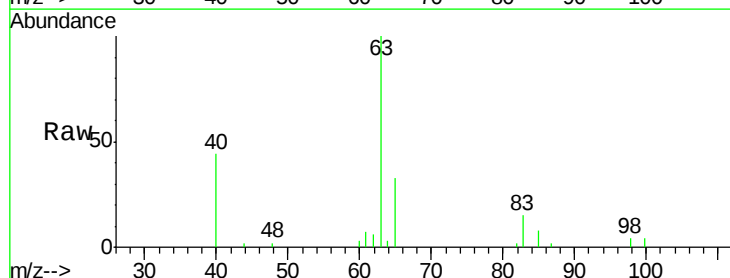
Tgt Ion: 63 Resp: 68462

Ion Ratio Lower Upper

63 100

98 3.8 2.8 8.3

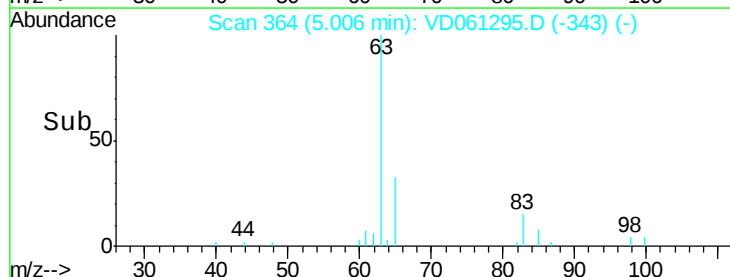
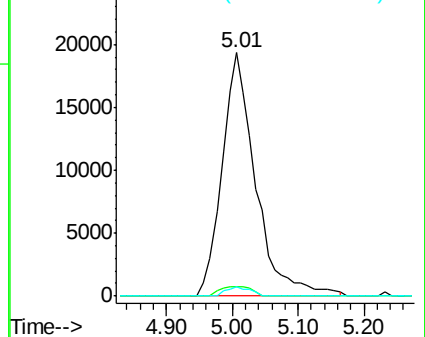
100 3.7 1.6 4.8

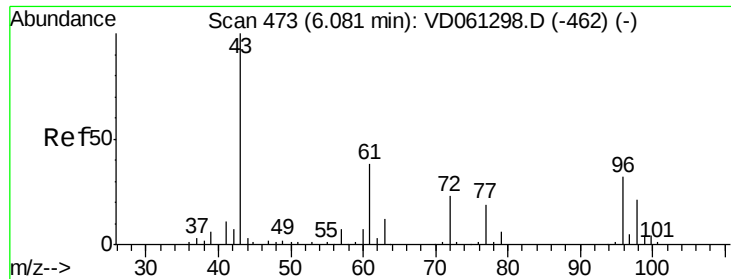


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 24.799 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

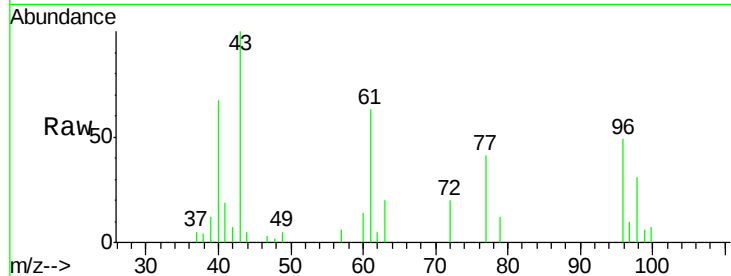
VSTDIC005

Tot Ion: 43 Resp: 42460

Ion Ratio Lower Upper

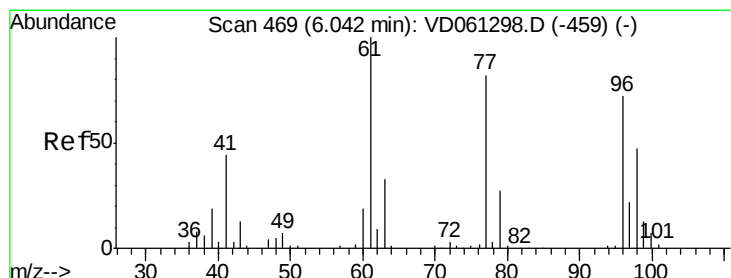
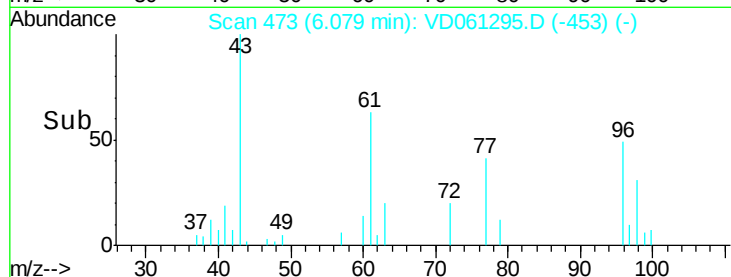
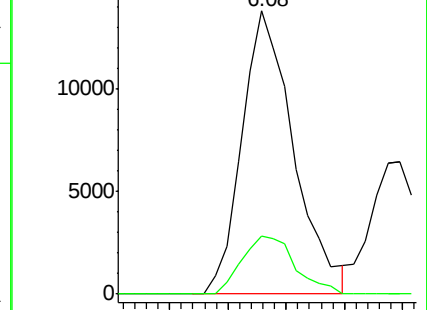
43 100

72 20.5 18.5 27.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.945 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD061295.D

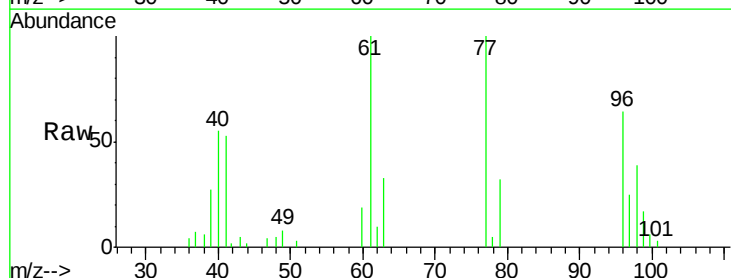
Acq: 25 Mar 2019 10:51

Tgt Ion: 77 Resp: 60807

Ion Ratio Lower Upper

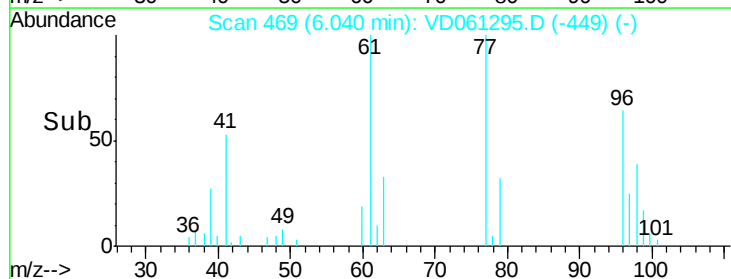
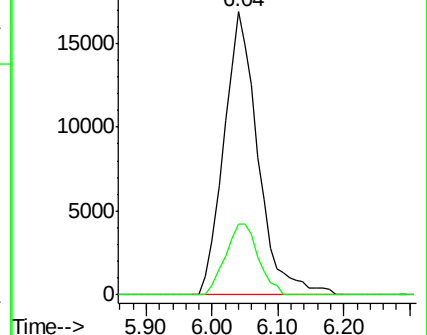
77 100

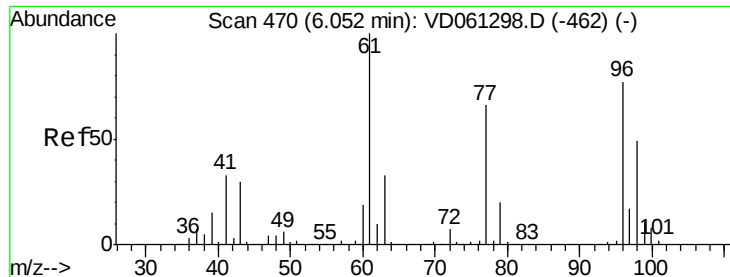
97 25.0 13.5 40.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



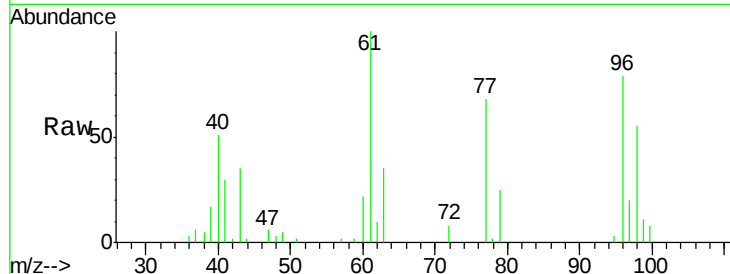


#27

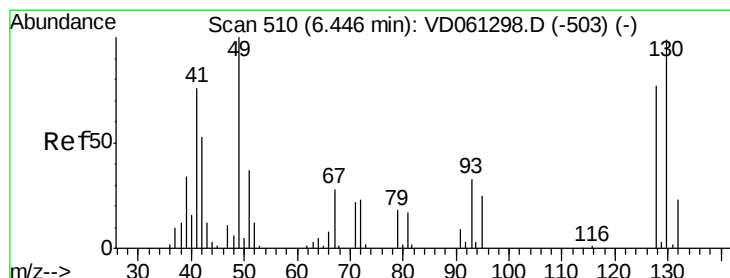
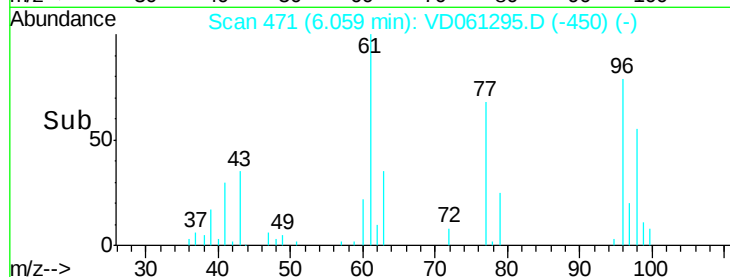
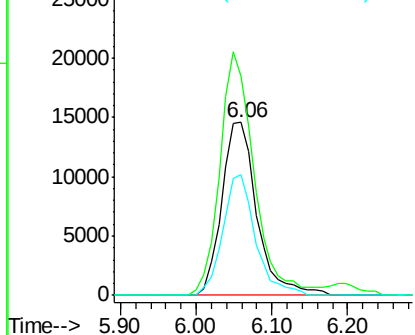
cis-1,2-Dichloroethene
Concen: 5.636 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 96 Resp: 46992
Ion Ratio Lower Upper
96 100
61 126.5 0.0 261.0
98 69.4 0.0 127.6



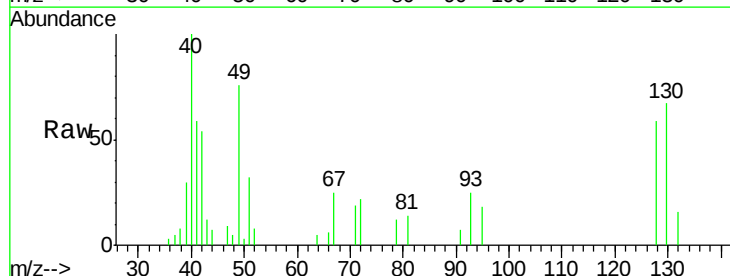
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



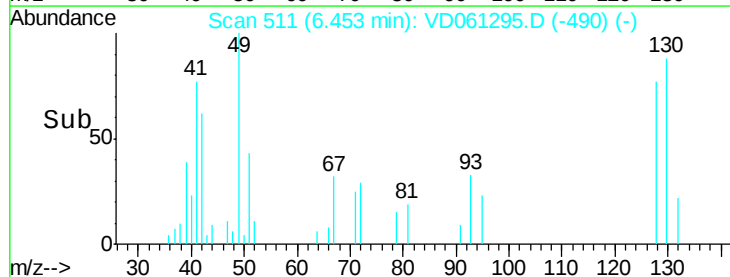
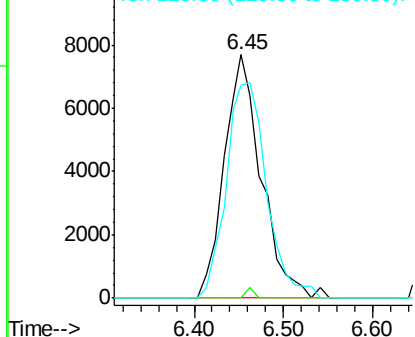
#28

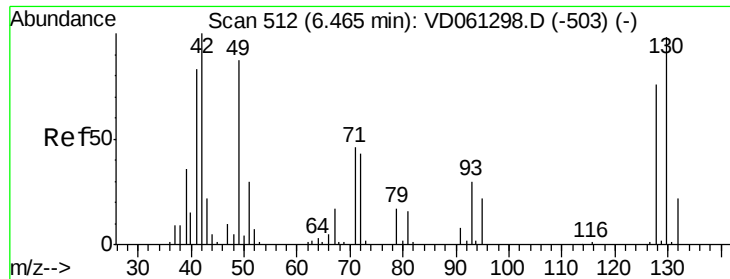
Bromochloromethane
Concen: 4.429 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Tgt Ion: 49 Resp: 22358
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.2
130 87.6 79.0 118.6



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

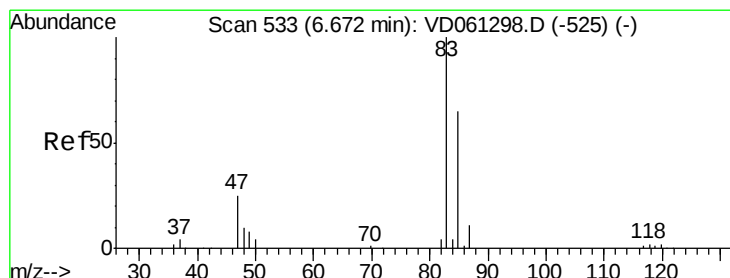
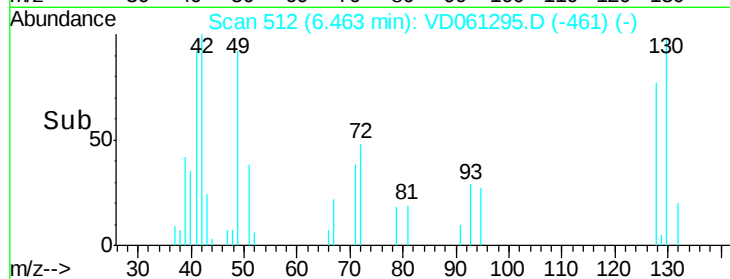
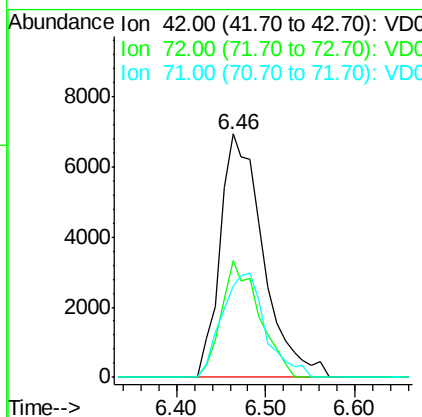
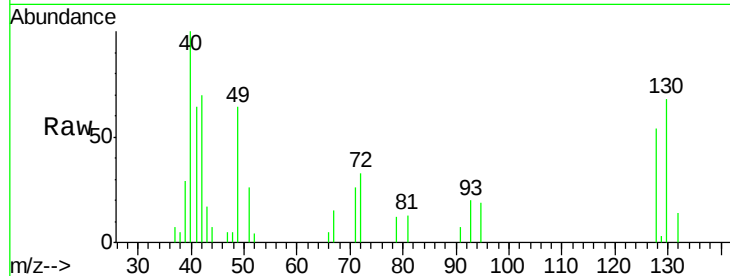




#29
Tetrahydrofuran
Concen: 27.400 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

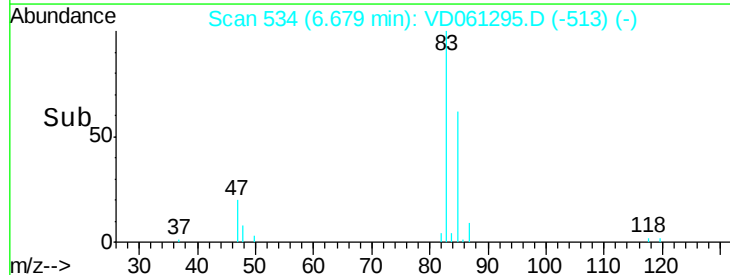
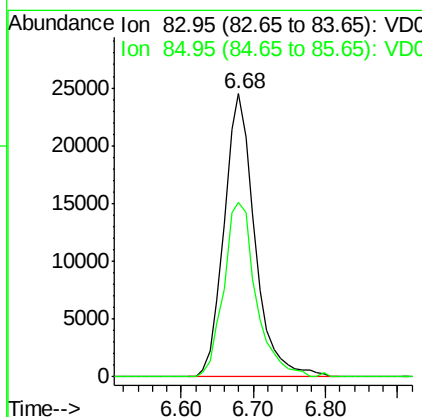
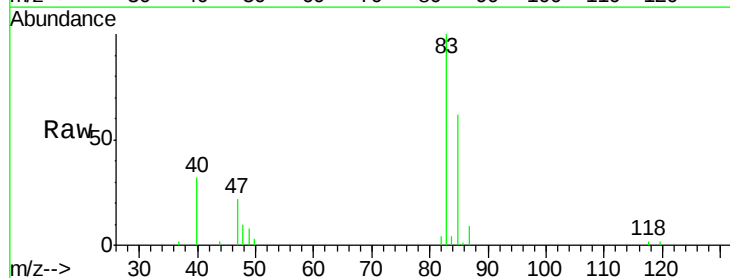
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

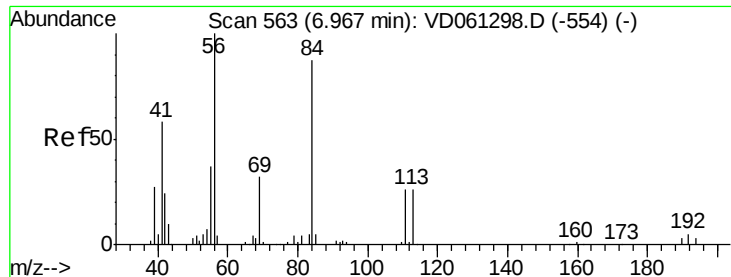
Tot Ion: 42 Resp: 23351
Ion Ratio Lower Upper
42 100
72 42.2 36.6 54.8
71 43.4 36.3 54.5



#30
Chloroform
Concen: 5.621 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Tgt Ion: 83 Resp: 72275
Ion Ratio Lower Upper
83 100
85 61.8 52.2 78.2

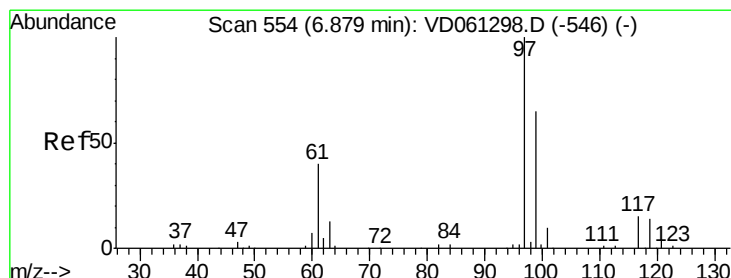
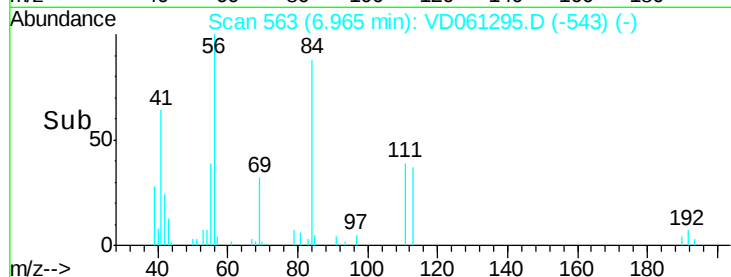
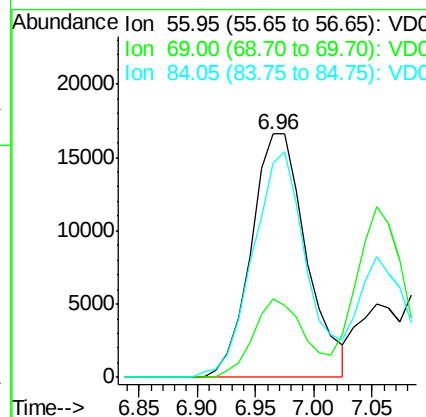
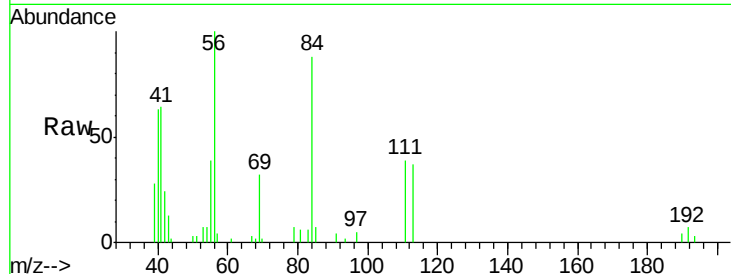




#31
Cvclohexane
Concen: 5.552 ug/l
RT: 6.96 min Scan# 563
Delta R.T. -0.00 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

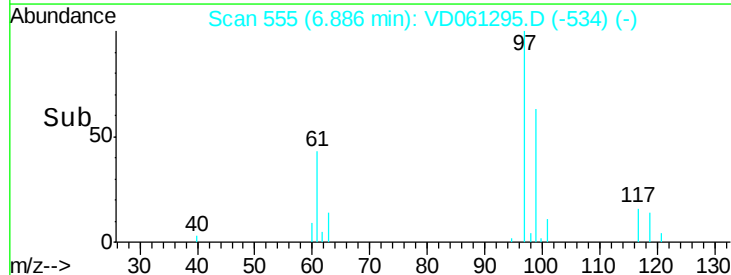
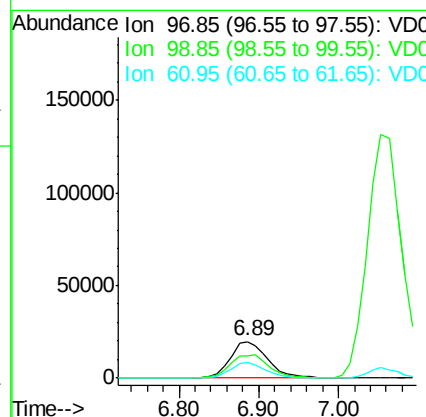
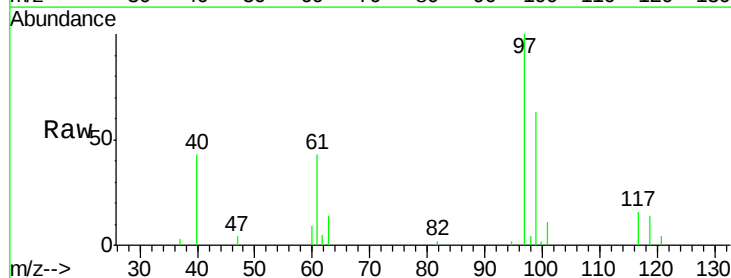
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

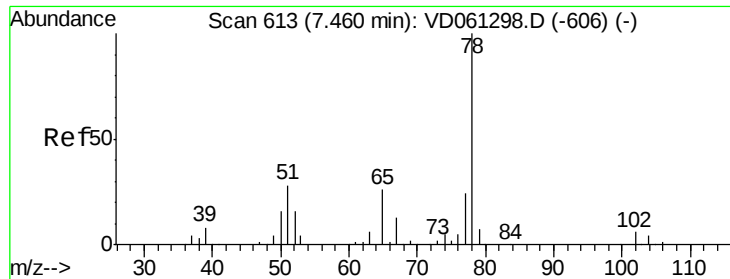
Tot Ion: 56 Resp: 54348
Ion Ratio Lower Upper
56 100
69 32.4 25.5 38.3
84 88.0 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 5.672 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Tgt Ion: 97 Resp: 64584
Ion Ratio Lower Upper
97 100
99 62.6 51.8 77.6
61 42.9 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 5.672 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

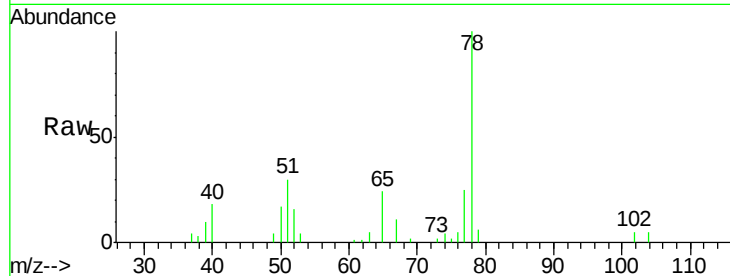
VSTDIC005

Tot Ion: 65 Resp: 32079

Ion Ratio Lower Upper

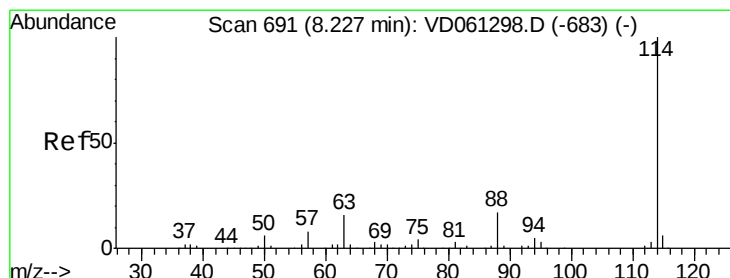
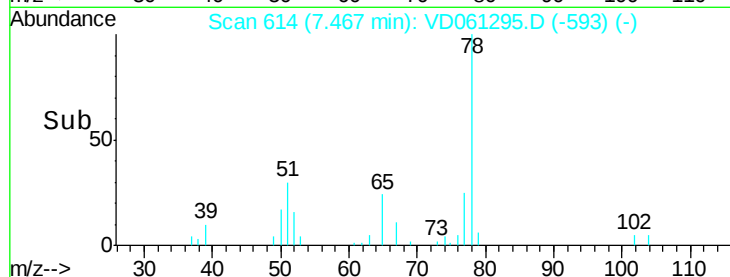
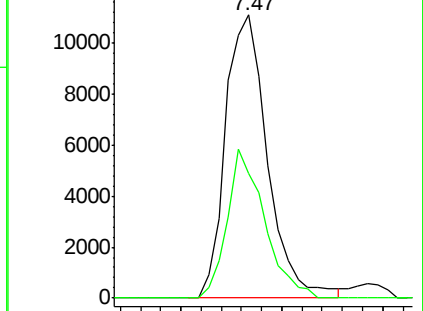
65 100

67 44.2 0.0 100.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

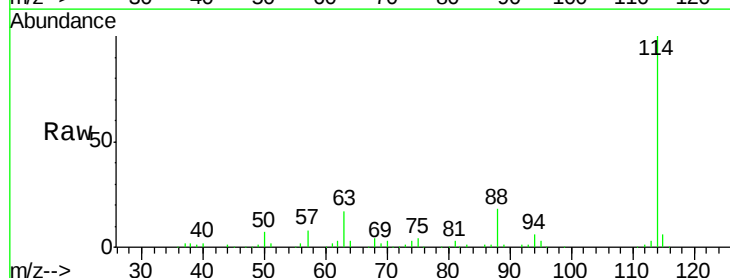
Tgt Ion: 114 Resp: 1140134

Ion Ratio Lower Upper

114 100

63 17.1 0.0 31.4

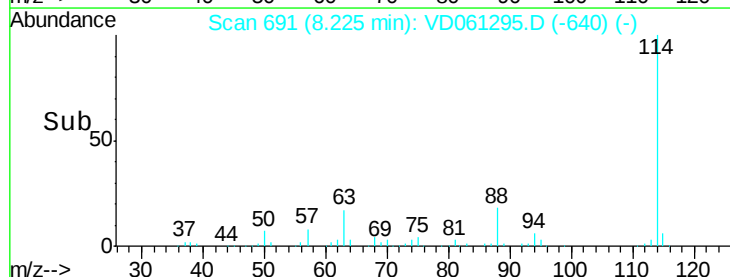
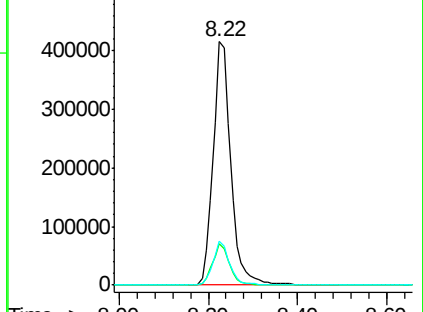
88 17.8 0.0 33.2

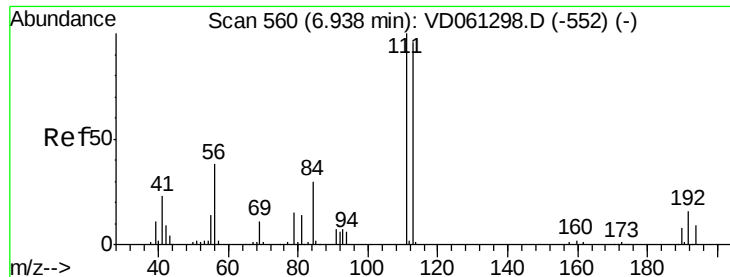


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

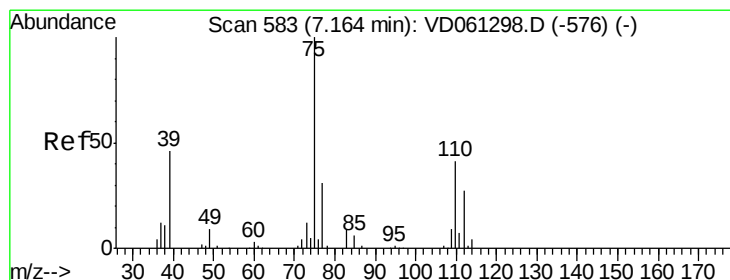
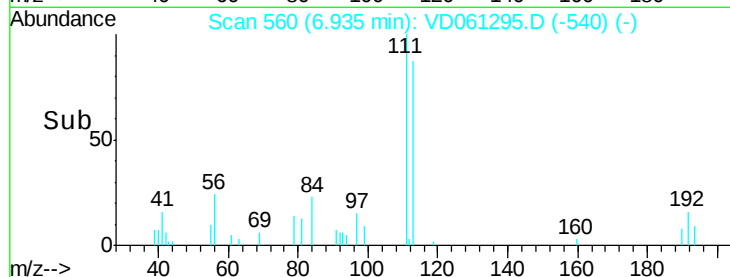
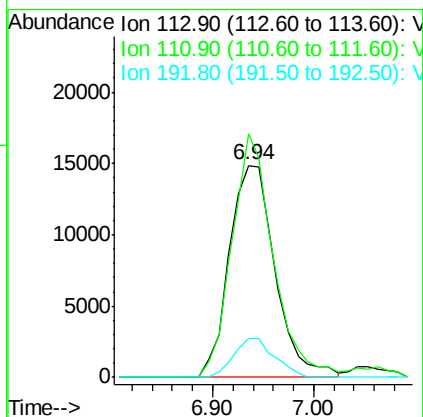
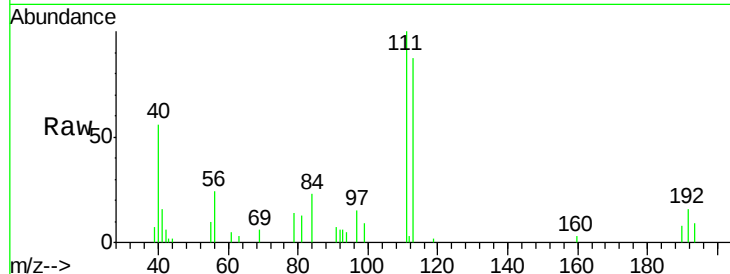




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. -0.00 min
 Lab File: VD061295.D
 Acq: 25 Mar 2019 10:51

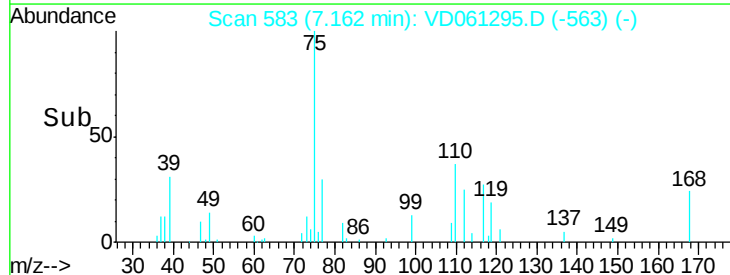
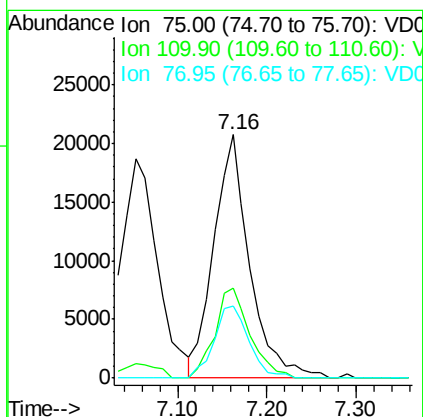
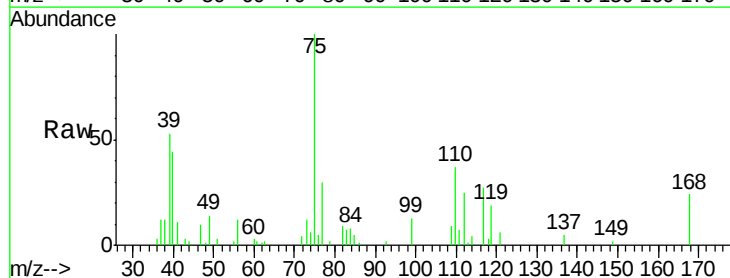
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

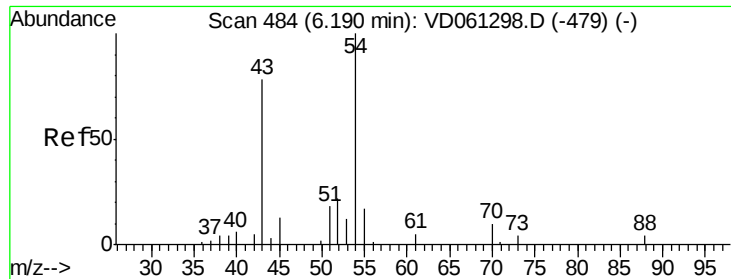
Tot Ion:113 Resp: 46970
 Ion Ratio Lower Upper
 113 100
 111 114.7 83.7 125.5
 192 18.5 13.4 20.0



#36
 1,1-Dichloropropene
 Concen: 6.256 ug/l
 RT: 7.16 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: VD061295.D
 Acq: 25 Mar 2019 10:51

Tgt Ion: 75 Resp: 58338
 Ion Ratio Lower Upper
 75 100
 110 36.8 20.1 60.2
 77 29.6 24.3 36.5

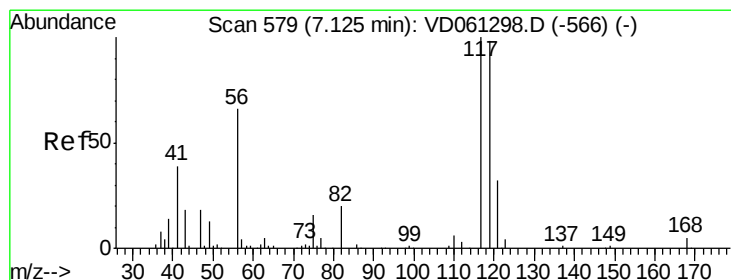
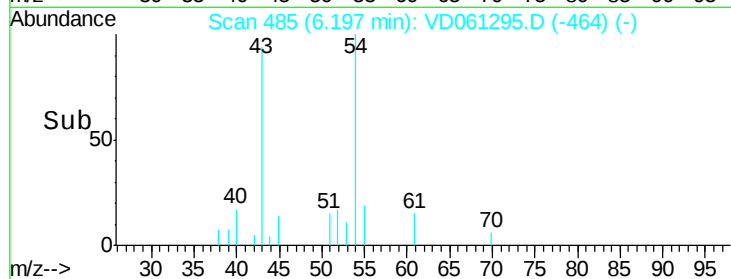
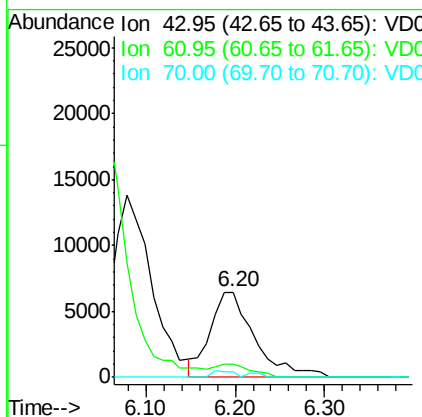
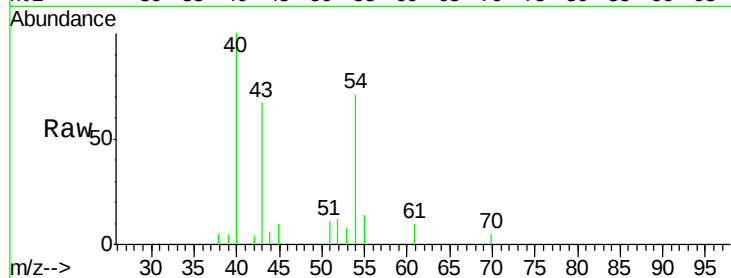




#37
Ethyl Acetate
Concen: 5.790 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

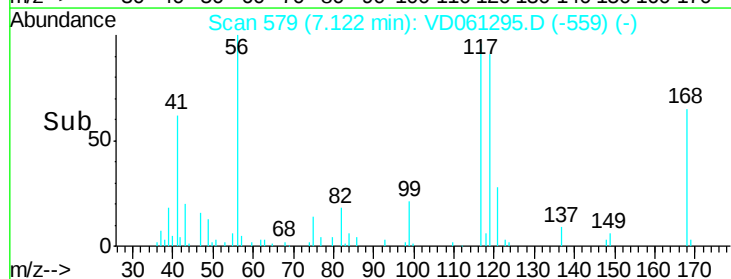
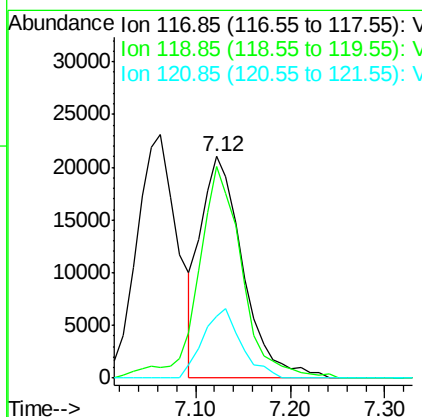
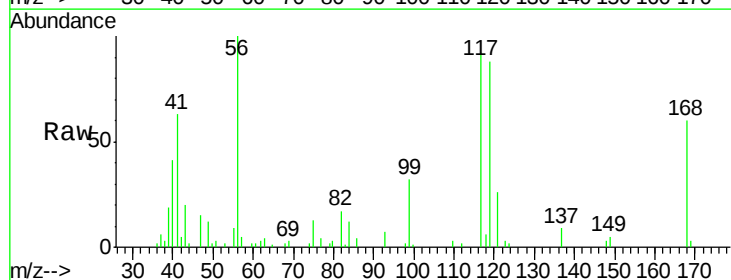
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

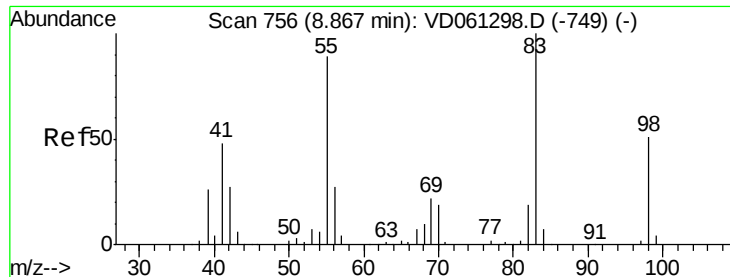
Tot Ion: 43 Resp: 22485
Ion Ratio Lower Upper
43 100
61 15.6 12.6 19.0
70 6.7 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 5.903 ug/l
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Tgt Ion: 117 Resp: 65056
Ion Ratio Lower Upper
117 100
119 95.2 78.4 117.6
121 28.1 25.1 37.7

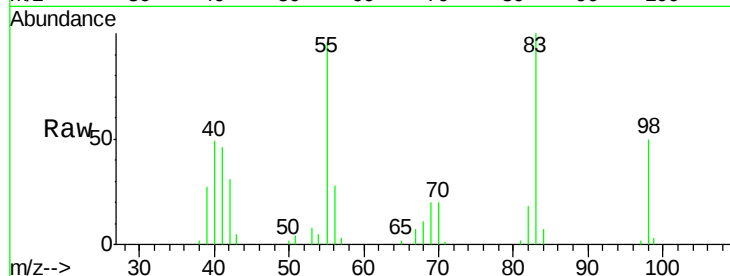




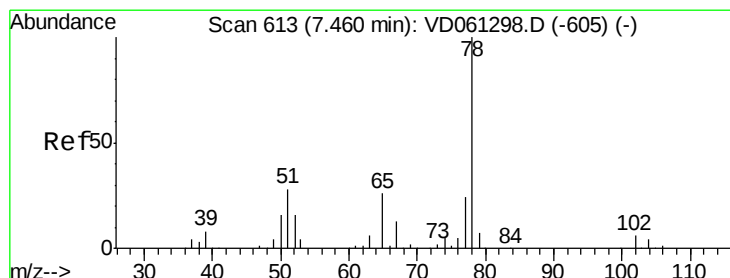
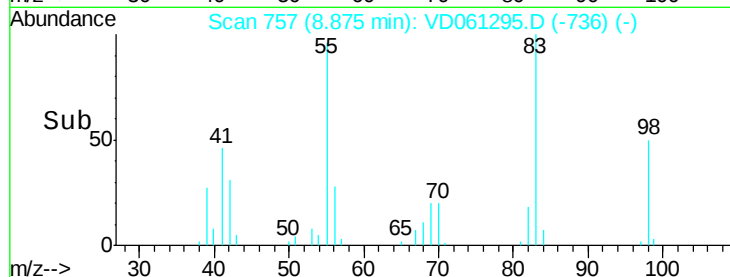
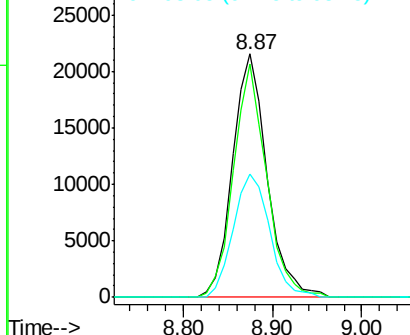
#39
Methvlcvclohexane
Concen: 6.007 ug/l
RT: 8.87 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 58060
Ion Ratio Lower Upper
83 100
55 95.9 71.3 106.9
98 50.4 40.4 60.6

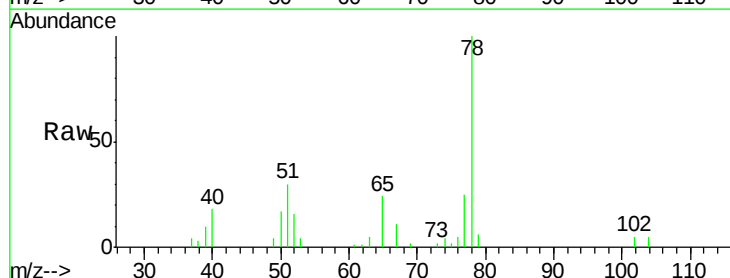


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

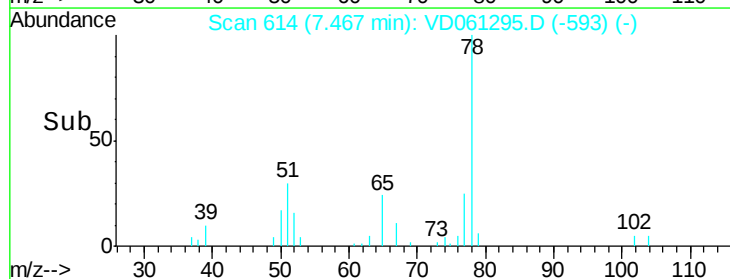
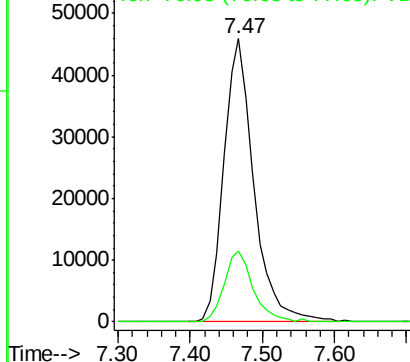


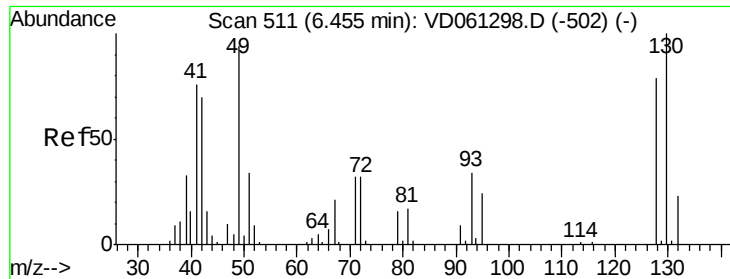
#40
Benzene
Concen: 5.701 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Tgt Ion: 78 Resp: 132152
Ion Ratio Lower Upper
78 100
77 25.1 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

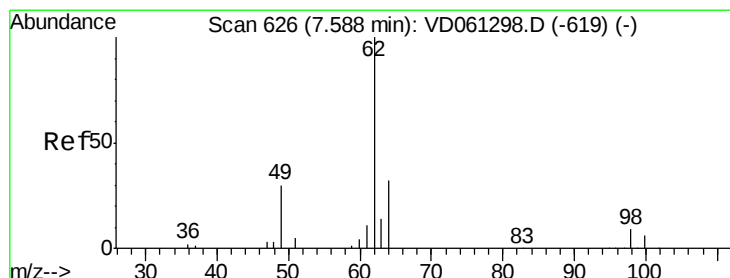
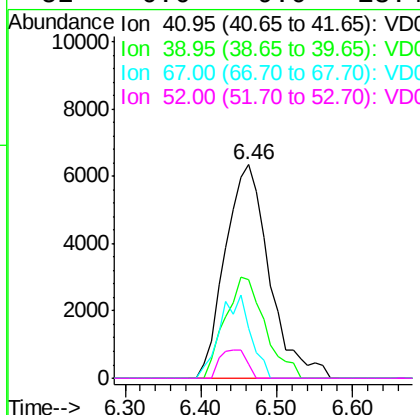
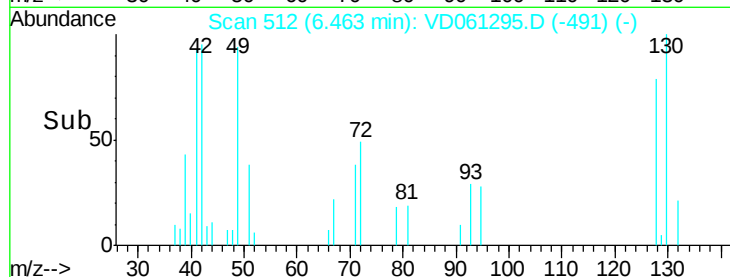
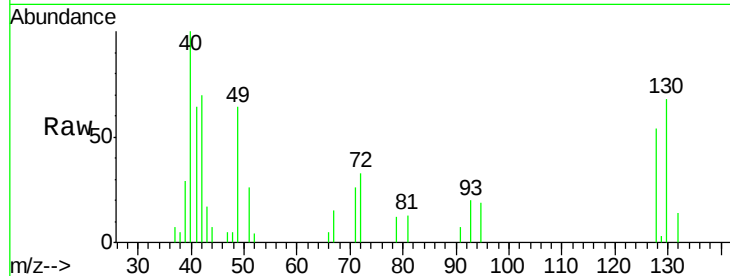




#41
Methacrylonitrile
Concen: 5.660 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

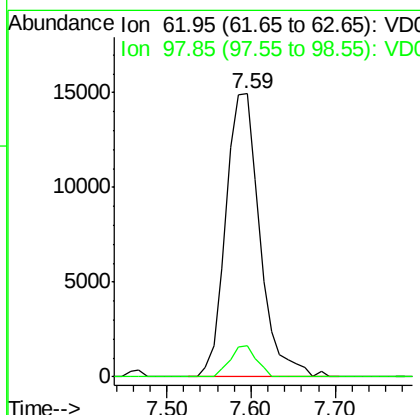
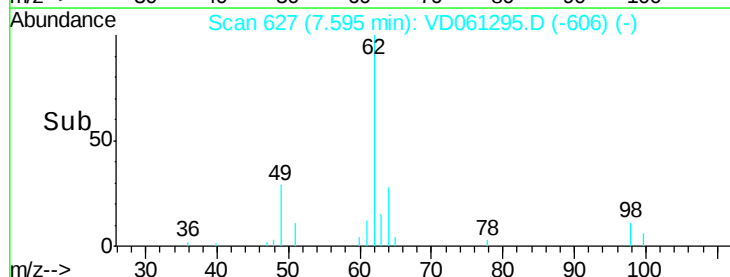
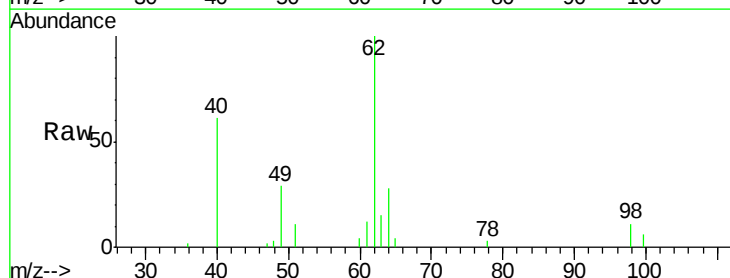
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

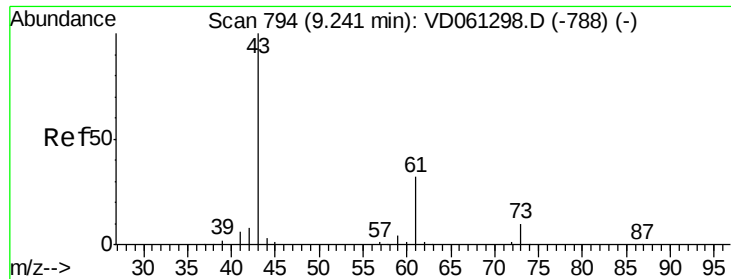
Tot Ion: 41 Resp: 25630
Ion Ratio Lower Upper
41 100
39 46.3 34.2 51.2
67 23.6 21.8 32.6
52 6.6 9.0 13.4#



#42
1,2-Dichloroethane
Concen: 5.814 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Tgt Ion: 62 Resp: 42001
Ion Ratio Lower Upper
62 100
98 11.0 0.0 18.6





#43

Isopropyl Acetate

Concen: 5.151 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

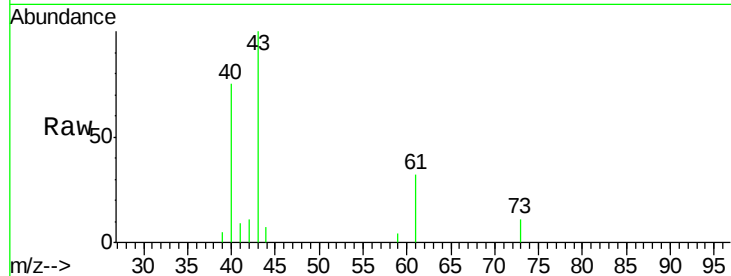
Tot Ion: 43 Resp: 28939

Ion Ratio Lower Upper

43 100

61 32.1 25.8 38.8

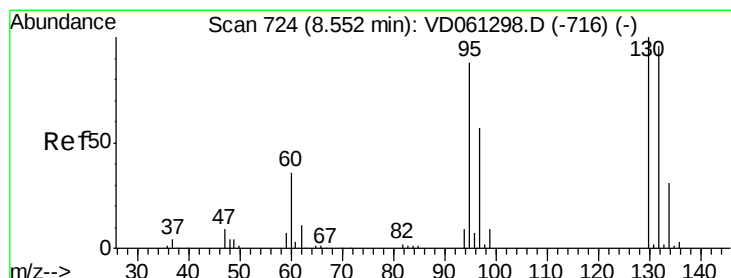
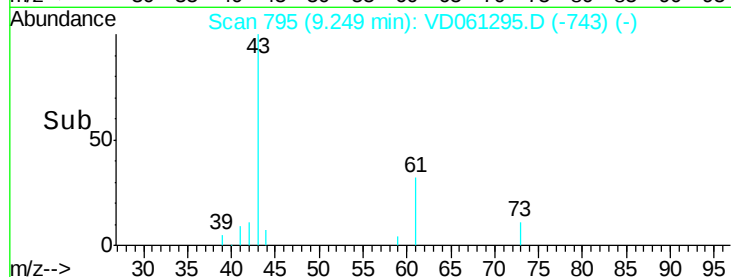
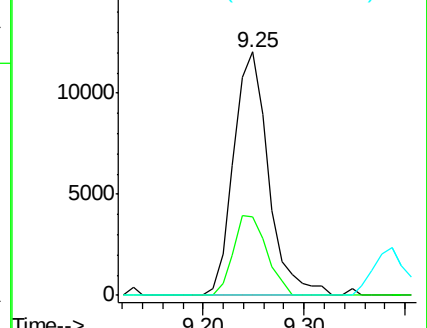
87 0.0 0.3 0.5#



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: 5.991 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD061295.D

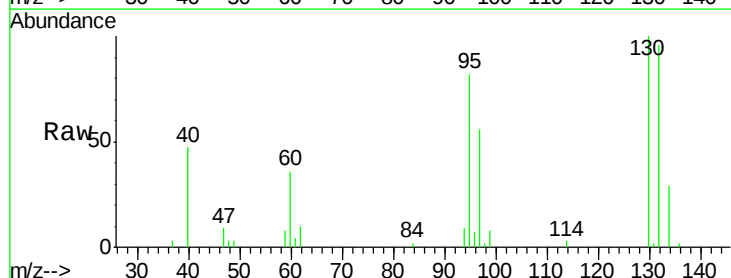
Acq: 25 Mar 2019 10:51

Tgt Ion:130 Resp: 50192

Ion Ratio Lower Upper

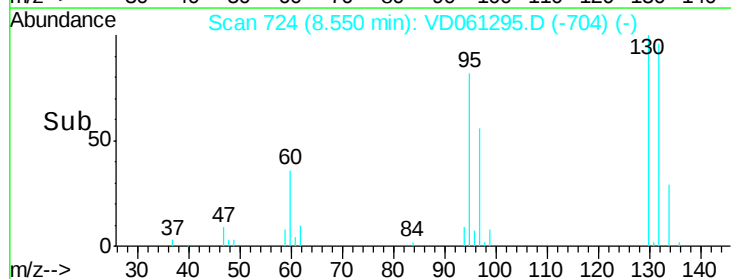
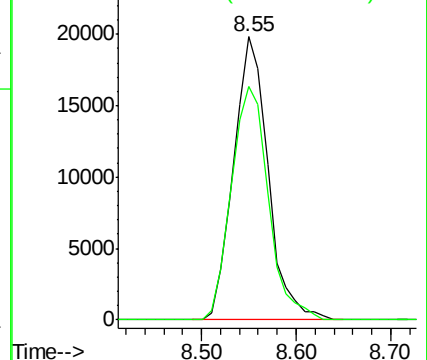
130 100

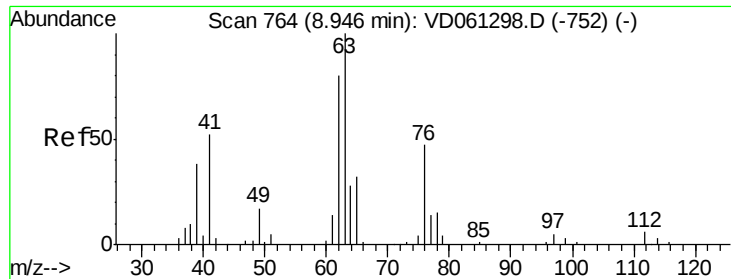
95 82.3 0.0 175.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 5.537 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

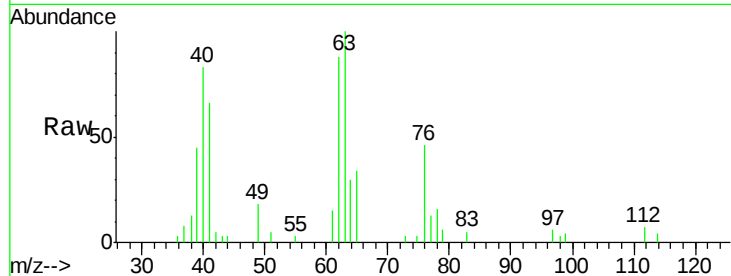
VSTDIC005

Tot Ion: 63 Resp: 31661

Ion Ratio Lower Upper

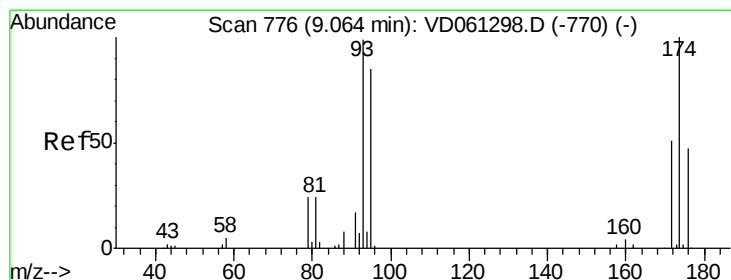
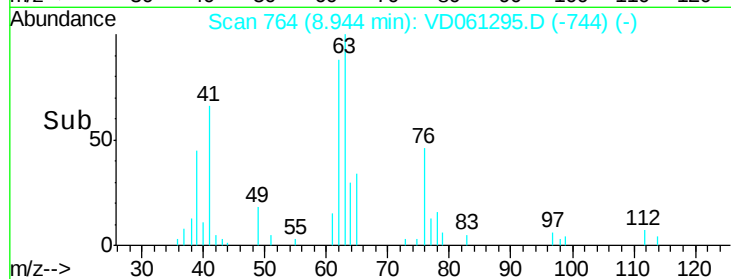
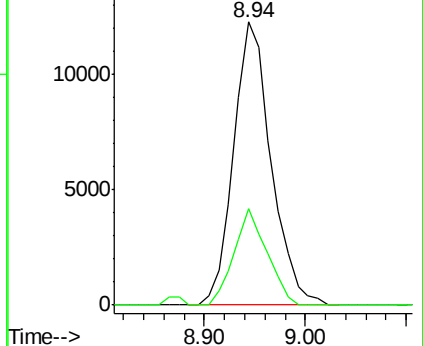
63 100

65 34.0 25.2 37.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 5.657 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

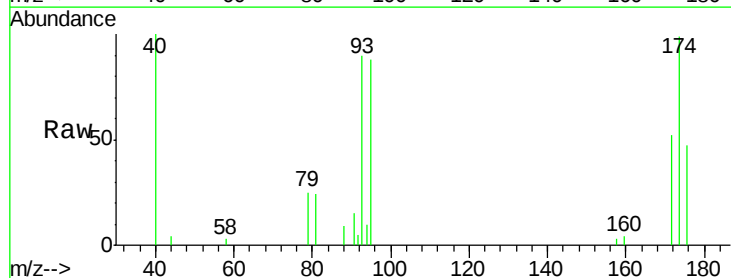
Tgt Ion: 93 Resp: 22179

Ion Ratio Lower Upper

93 100

95 98.1 68.1 102.1

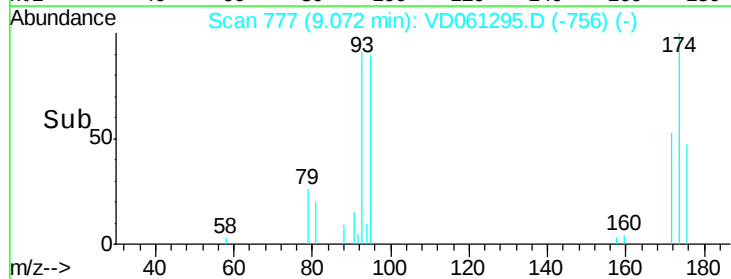
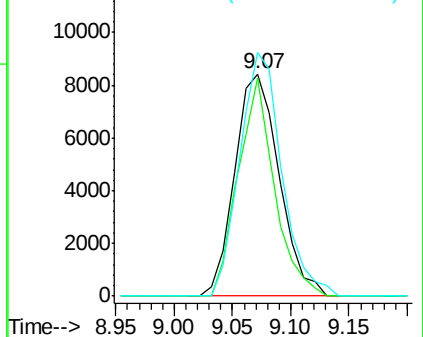
174 109.6 80.4 120.6

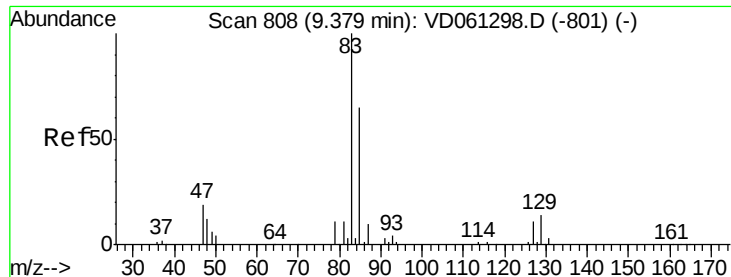


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 5.834 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

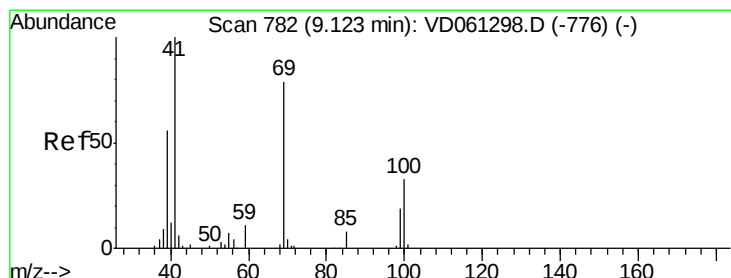
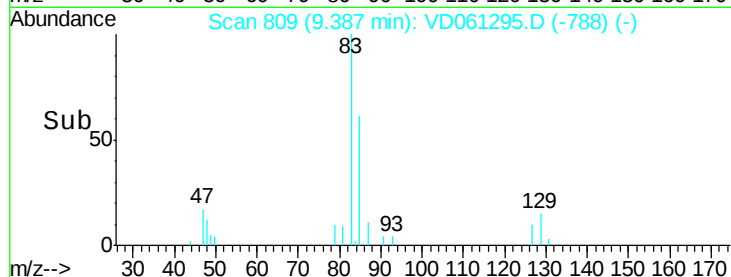
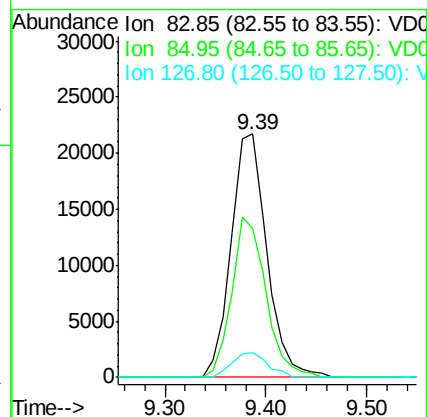
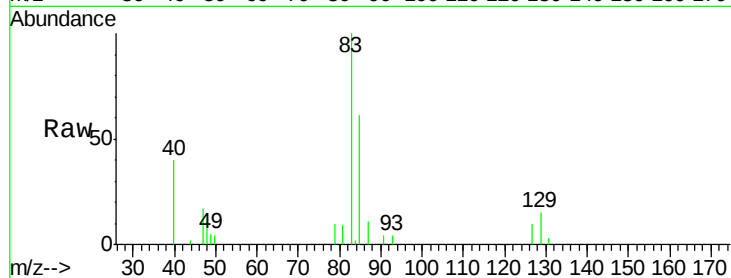
Tot Ion: 83 Resp: 53599

Ion Ratio Lower Upper

83 100

85 60.9 51.7 77.5

127 9.9 8.8 13.2



#48

Methyl methacrylate

Concen: 5.266 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

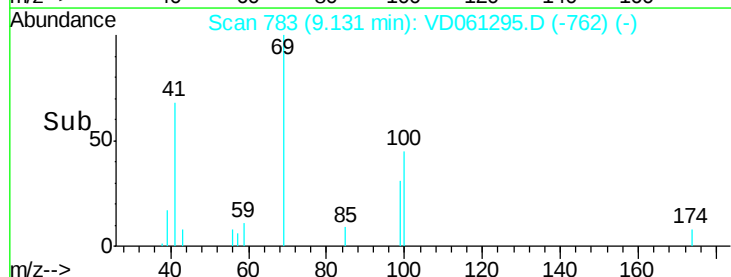
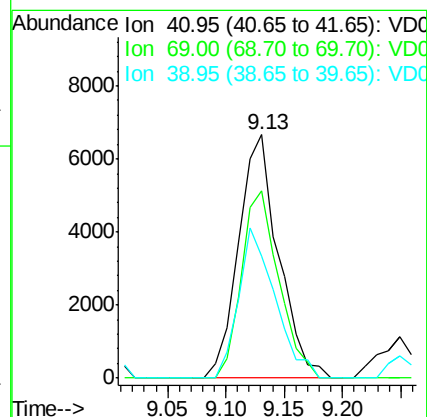
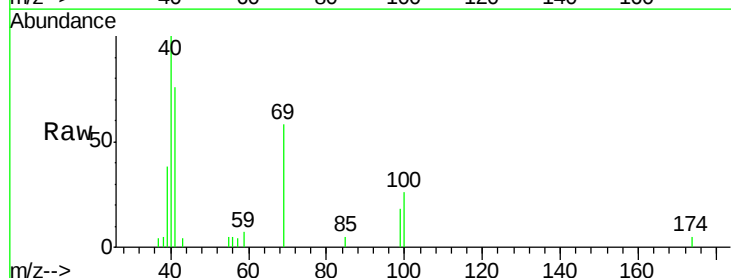
Tgt Ion: 41 Resp: 15791

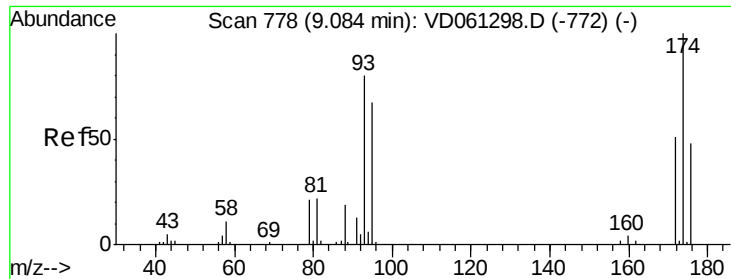
Ion Ratio Lower Upper

41 100

69 77.0 62.4 93.6

39 50.3 44.9 67.3

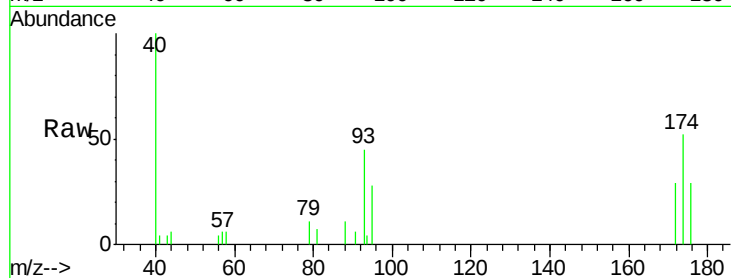




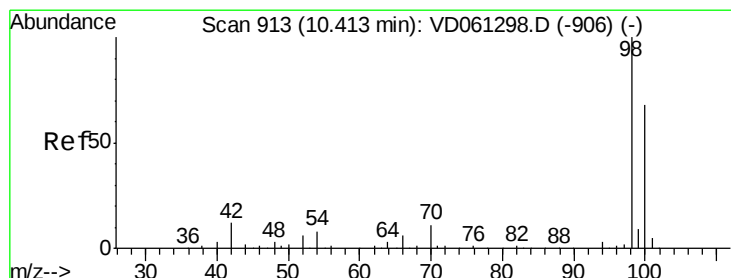
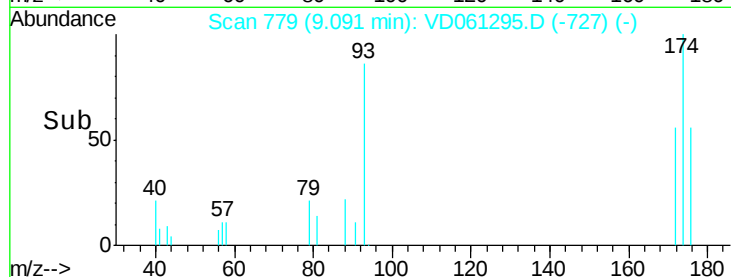
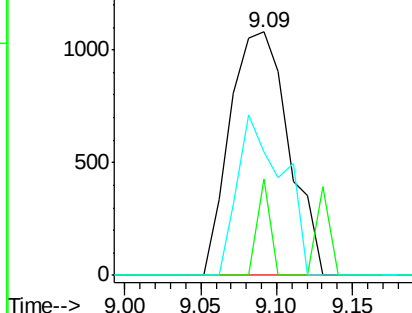
#49
1,4-Dioxane
Concen: 88.848 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 2923
Ion Ratio Lower Upper
88 100
43 89.5 20.7 31.1#
58 50.6 44.9 67.3

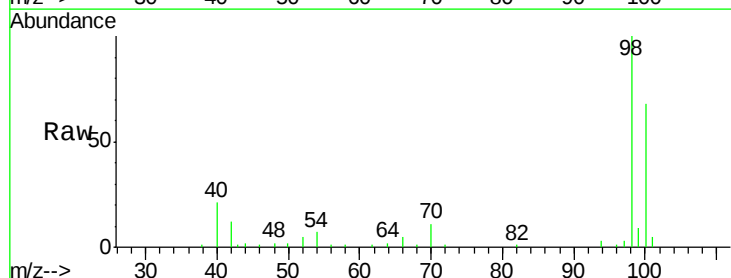


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

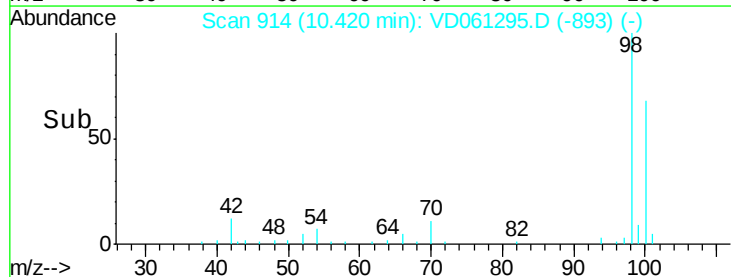
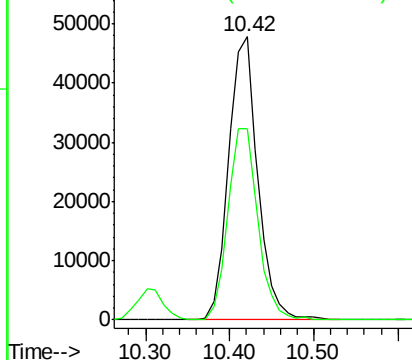


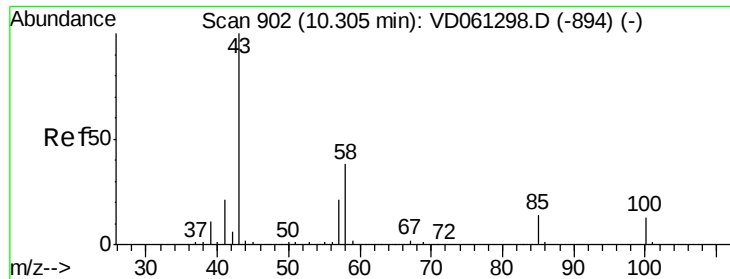
#50
Toluene-d8
Concen: 88.848 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Tgt Ion: 98 Resp: 114923
Ion Ratio Lower Upper
98 100
100 67.6 55.4 83.0



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: 28.567 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

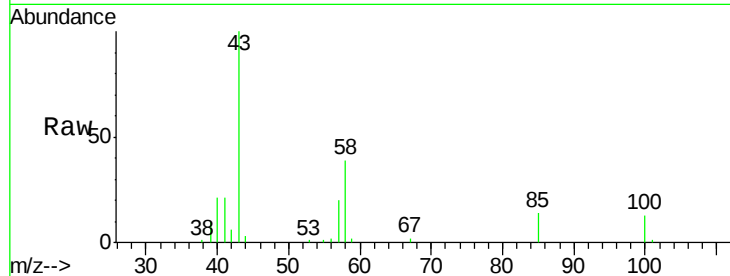
VSTDIC005

Tot Ion: 43 Resp: 95535

Ion Ratio Lower Upper

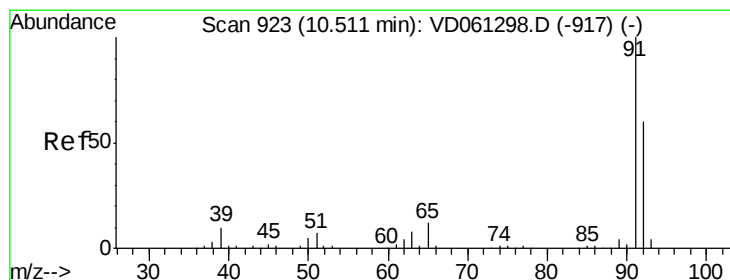
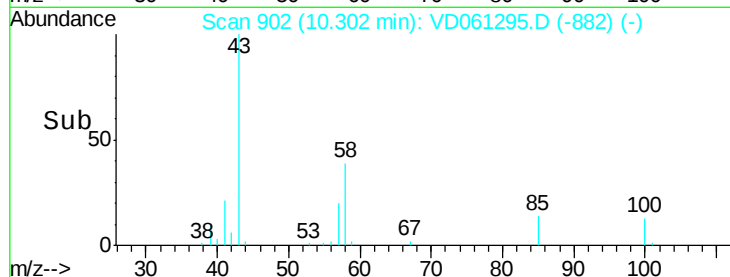
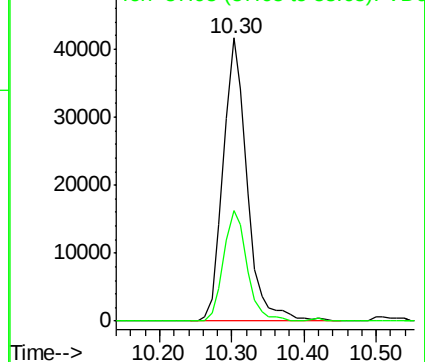
43 100

58 39.2 30.6 45.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 6.200 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD061295.D

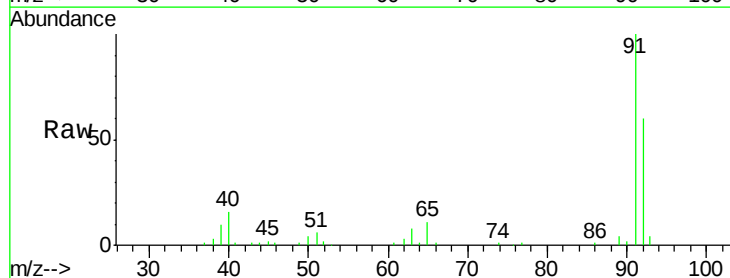
Acq: 25 Mar 2019 10:51

Tgt Ion: 92 Resp: 87882

Ion Ratio Lower Upper

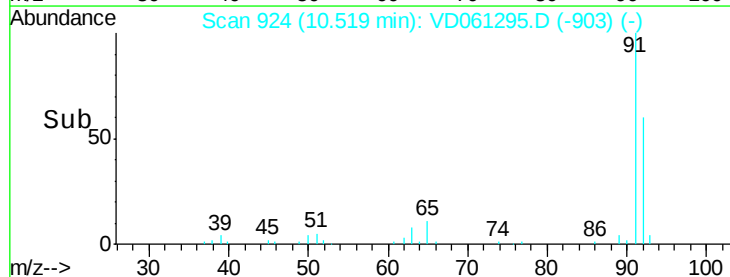
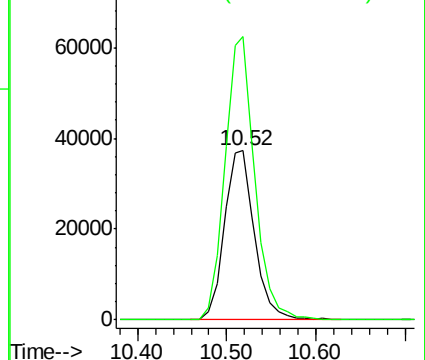
92 100

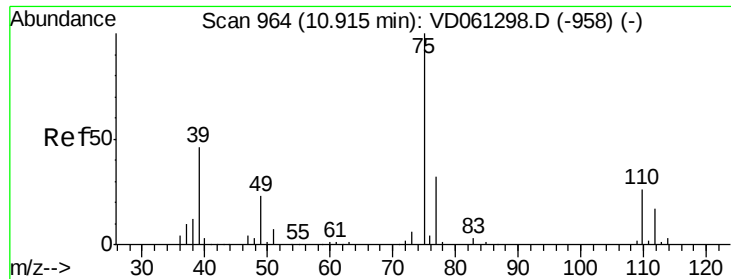
91 167.3 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 5.794 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

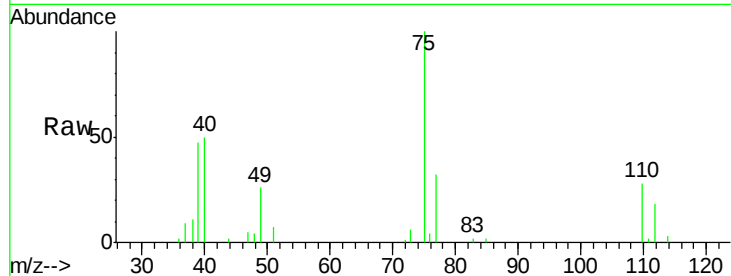
VSTDIC005

Tot Ion: 75 Resp: 46260

Ion Ratio Lower Upper

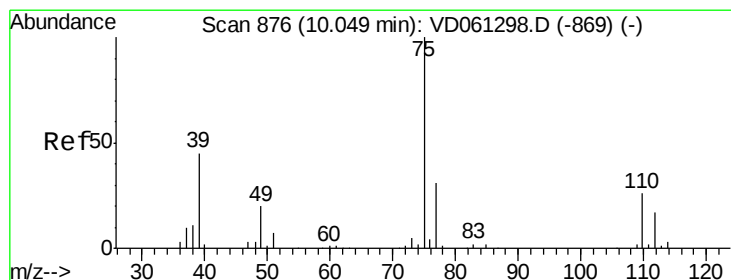
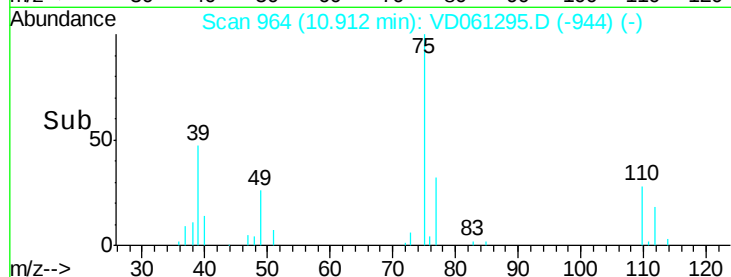
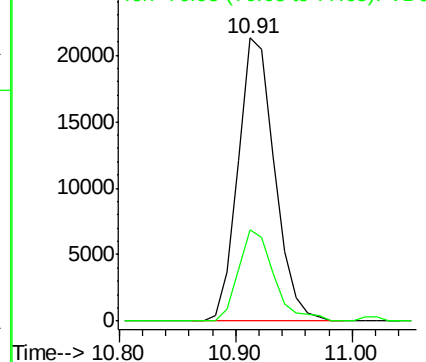
75 100

77 32.2 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 5.860 ug/l

RT: 10.05 min Scan# 876

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

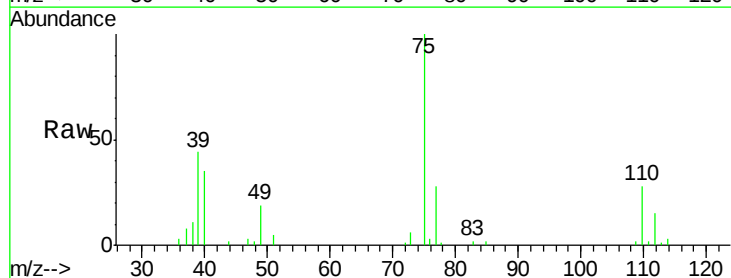
Tgt Ion: 75 Resp: 57123

Ion Ratio Lower Upper

75 100

77 28.4 24.9 37.3

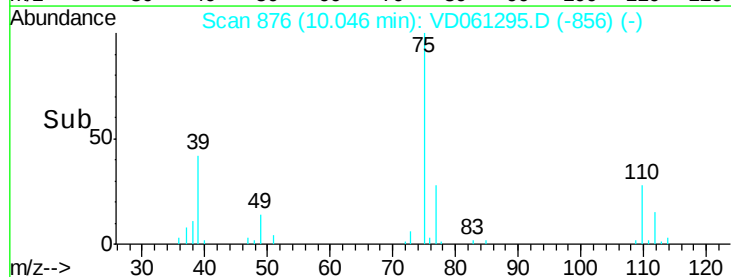
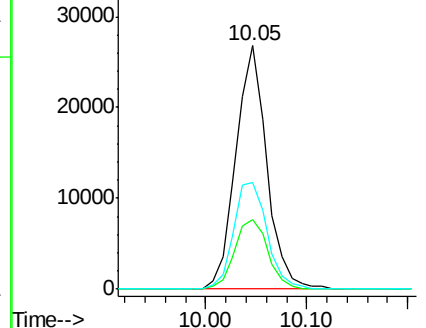
39 43.8 36.0 54.0

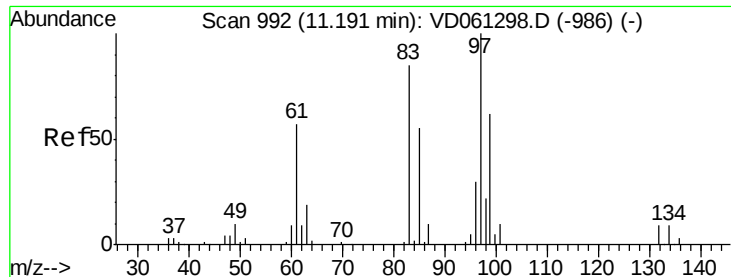


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 5.523 ug/l

RT: 11.19 min Scan# 992

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 25994

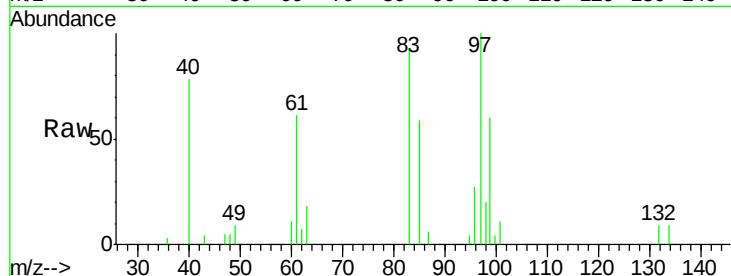
Ion Ratio Lower Upper

97 100

83 93.2 67.7 101.5

85 58.6 43.8 65.8

99 60.0 49.8 74.6

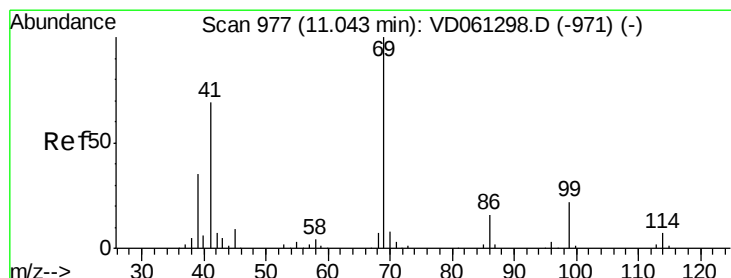
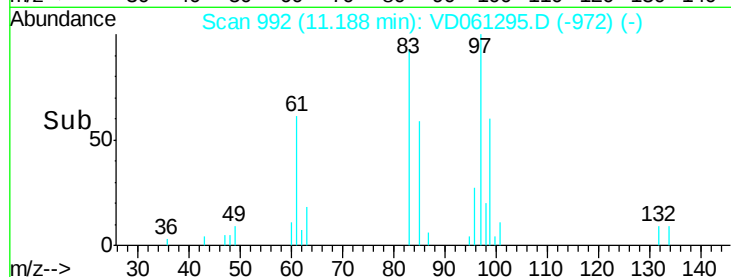
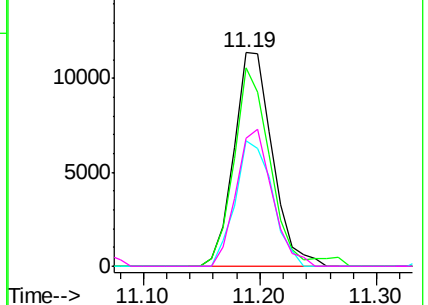


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 5.372 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

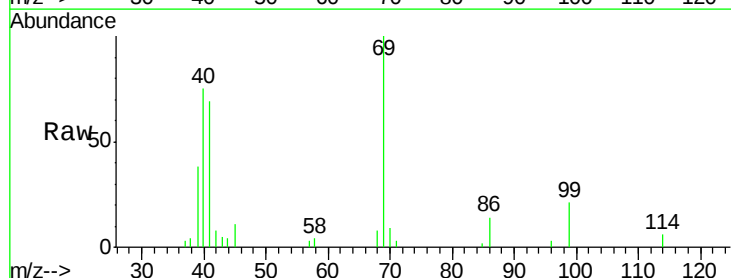
Tgt Ion: 69 Resp: 26975

Ion Ratio Lower Upper

69 100

41 68.7 54.9 82.3

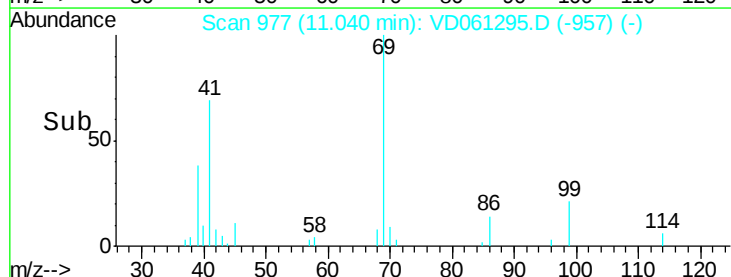
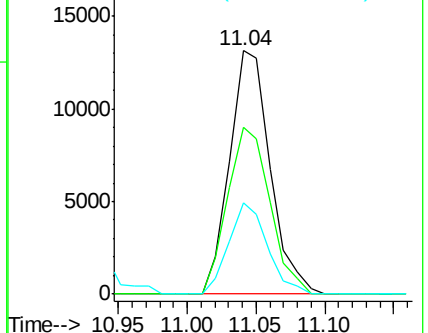
39 37.5 28.5 42.7

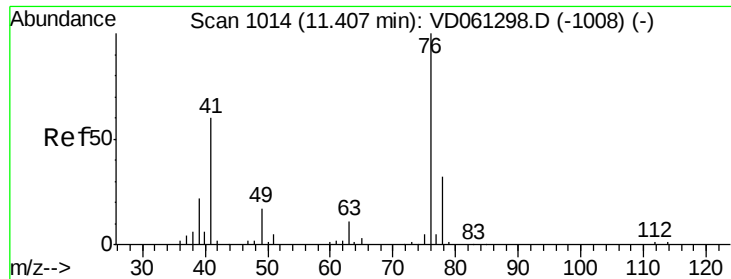


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 5.325 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

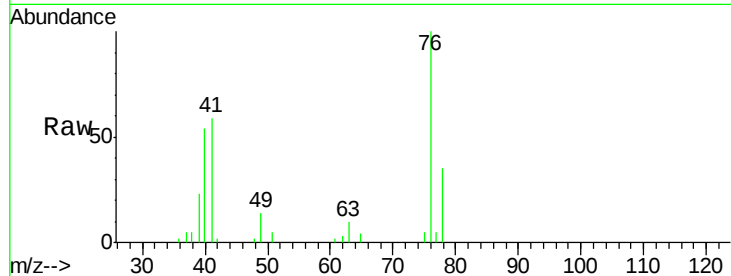
VSTDIC005

Tot Ion: 76 Resp: 37844

Ion Ratio Lower Upper

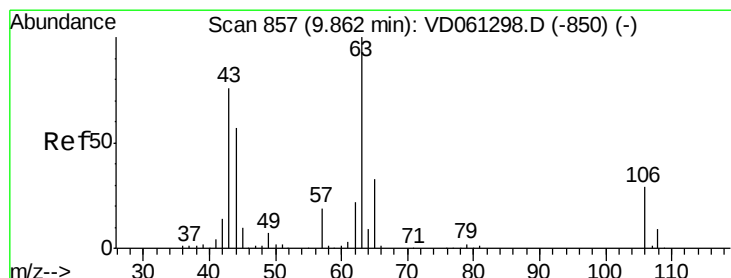
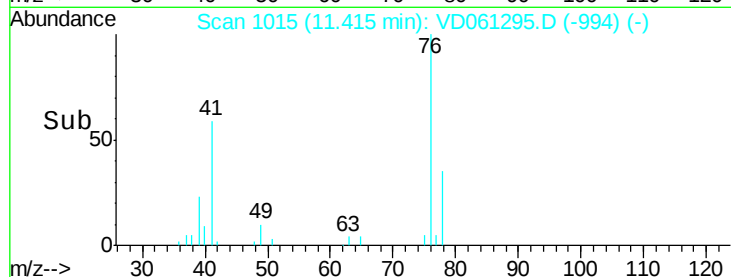
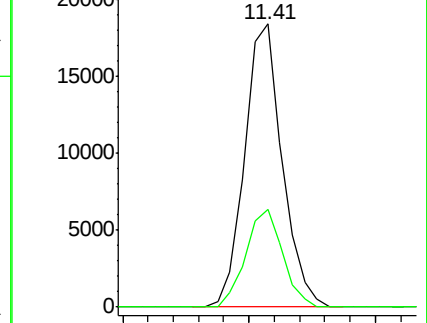
76 100

78 34.5 25.7 38.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 21.994 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD061295.D

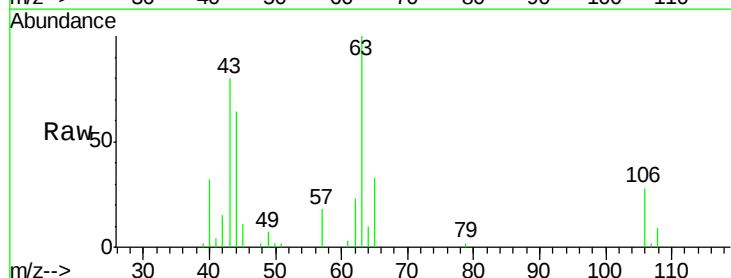
Acq: 25 Mar 2019 10:51

Tgt Ion: 63 Resp: 57460

Ion Ratio Lower Upper

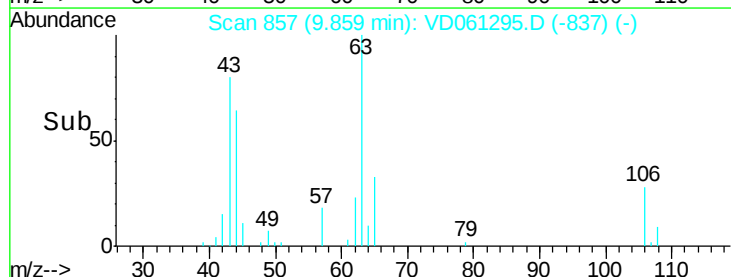
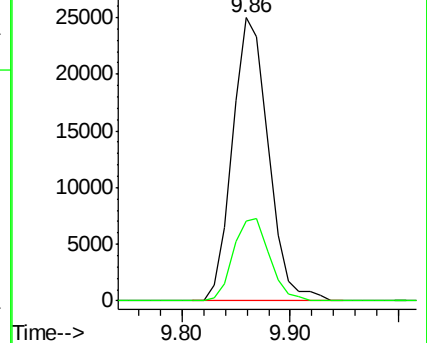
63 100

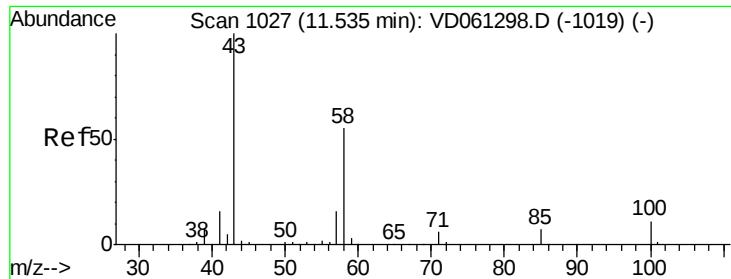
106 28.4 23.4 35.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

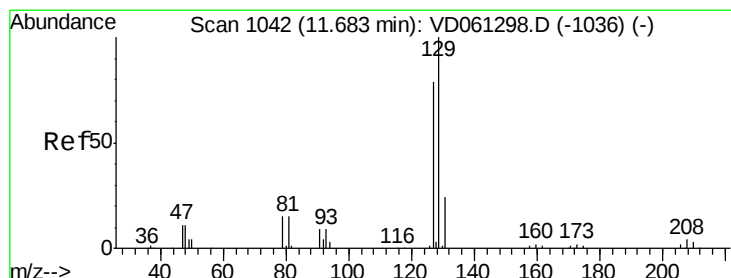
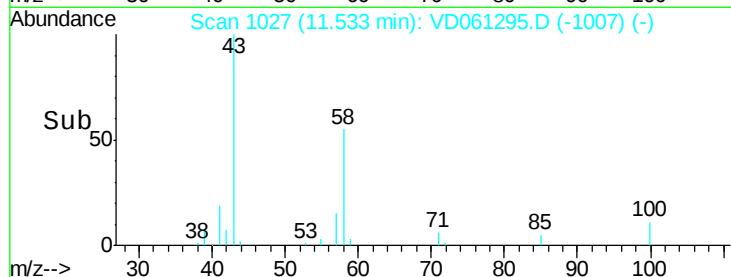
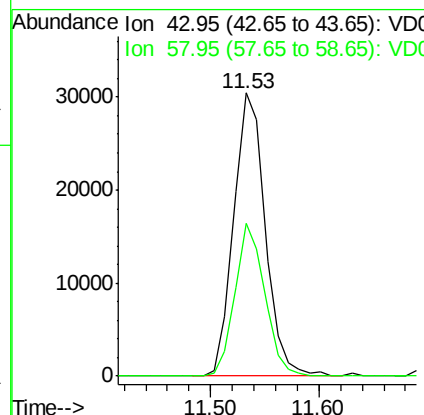
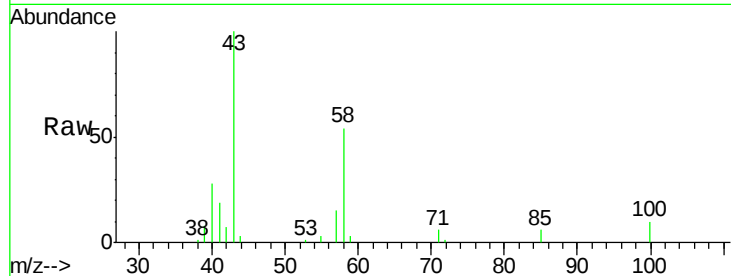




#59
2-Hexanone
Concen: 25.398 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

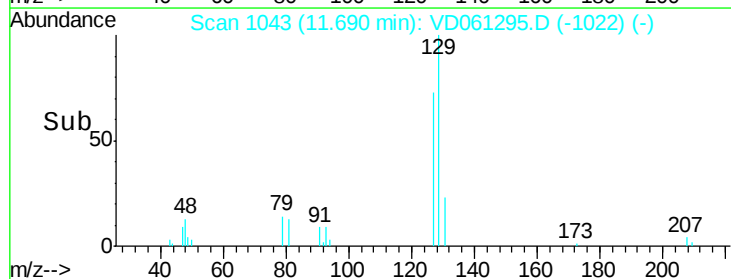
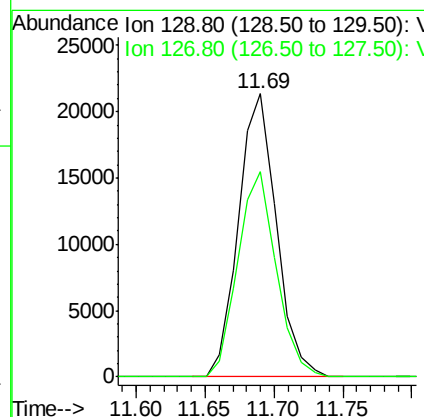
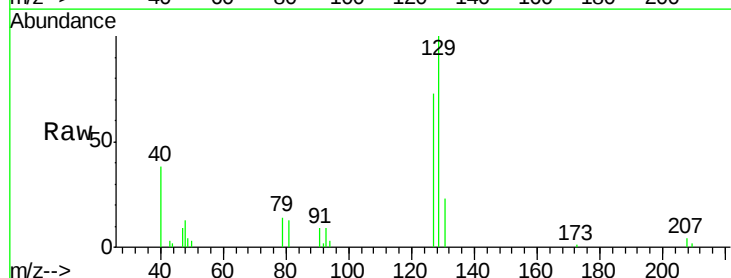
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

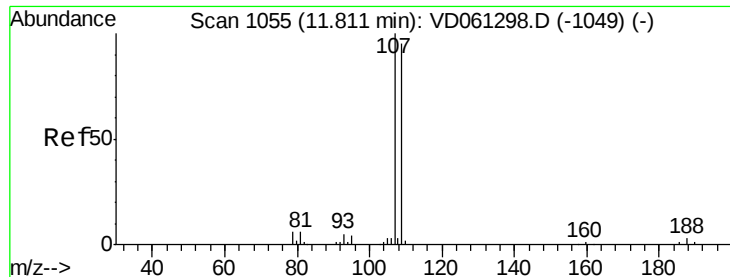
Tot Ion: 43 Resp: 61689
Ion Ratio Lower Upper
43 100
58 53.8 27.4 82.0



#60
Dibromochloromethane
Concen: 5.551 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Tgt Ion: 129 Resp: 40920
Ion Ratio Lower Upper
129 100
127 72.7 39.6 119.0

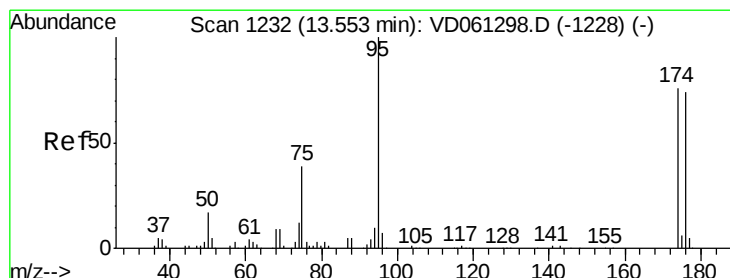
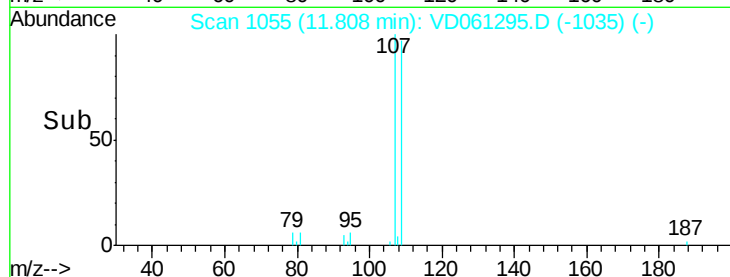
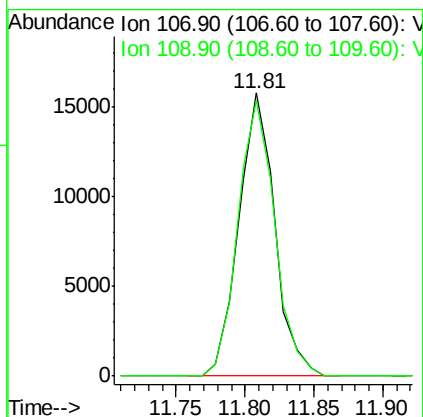
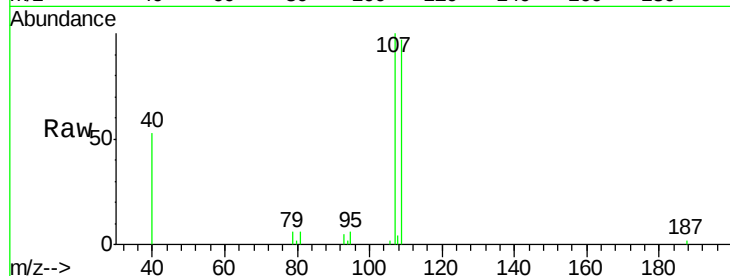




#61
 1,2-Dibromoethane
 Concen: 5.214 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD061295.D
 Acq: 25 Mar 2019 10:51

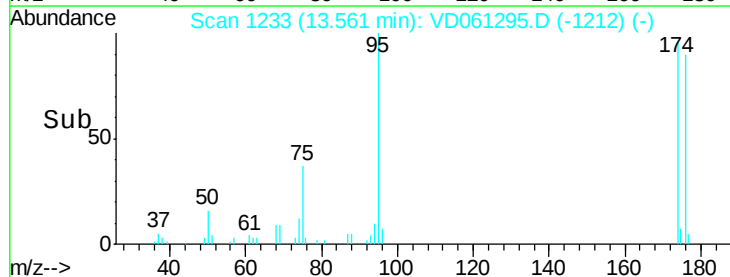
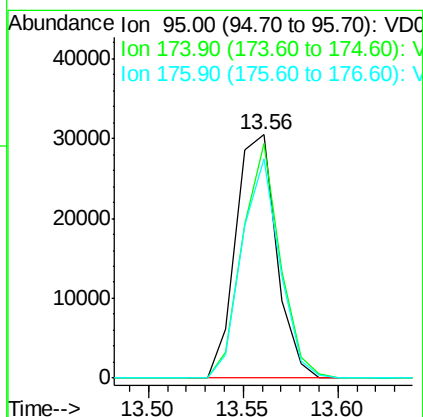
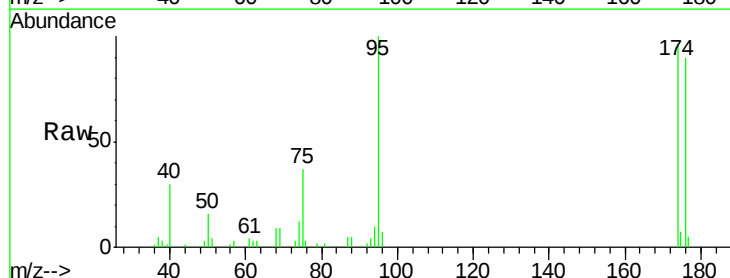
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

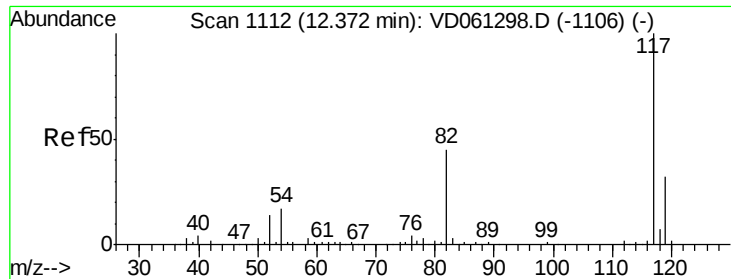
Tot Ion:107 Resp: 28673
 Ion Ratio Lower Upper
 107 100
 109 97.4 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 5.214 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061295.D
 Acq: 25 Mar 2019 10:51

Tgt Ion: 95 Resp: 45334
 Ion Ratio Lower Upper
 95 100
 174 96.4 0.0 151.8
 176 90.3 0.0 148.0

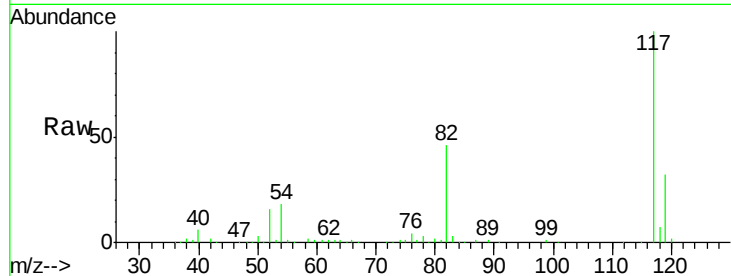




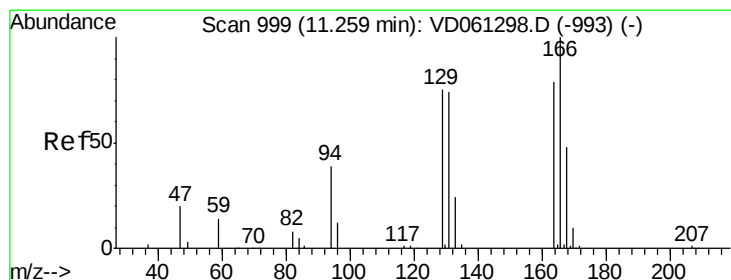
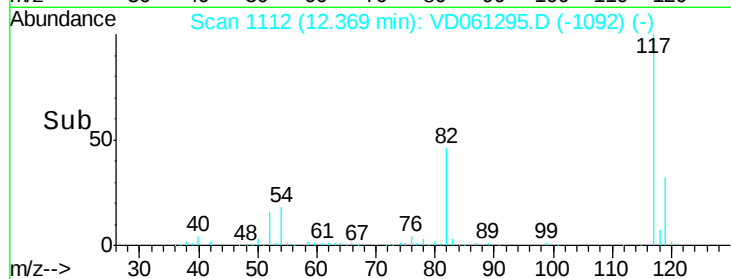
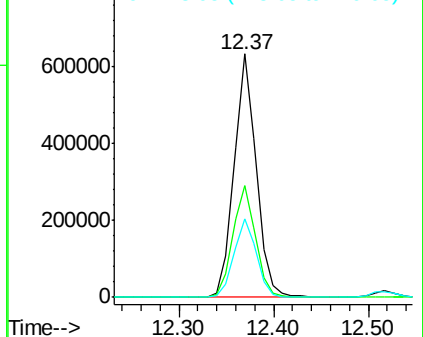
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 1022601
Ion Ratio Lower Upper
117 100
82 45.8 35.7 53.5
119 32.2 25.9 38.9

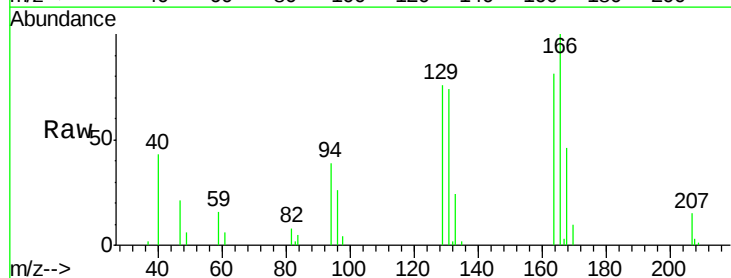


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

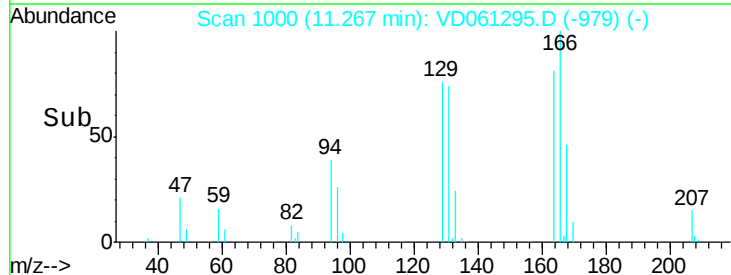
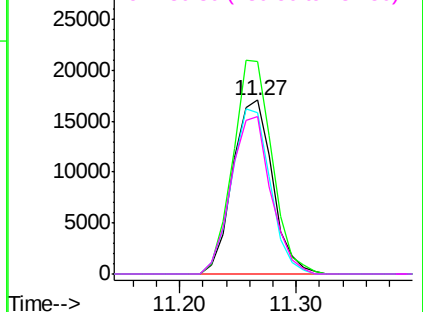


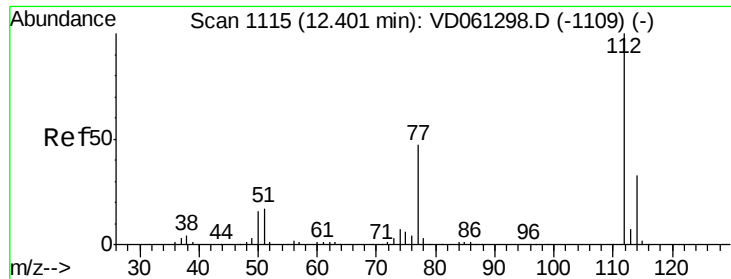
#64
Tetrachloroethene
Concen: 5.723 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Tgt Ion:164 Resp: 40318
Ion Ratio Lower Upper
164 100
166 122.7 101.6 152.4
129 92.9 75.9 113.9
131 90.7 75.3 112.9



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

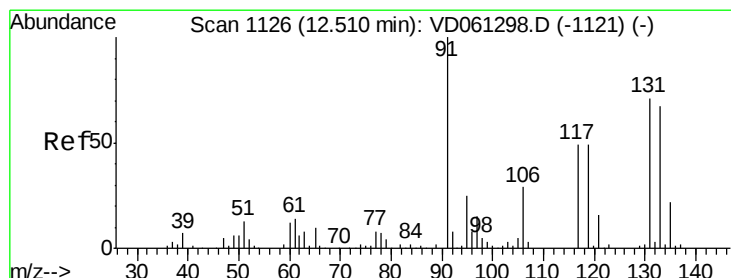
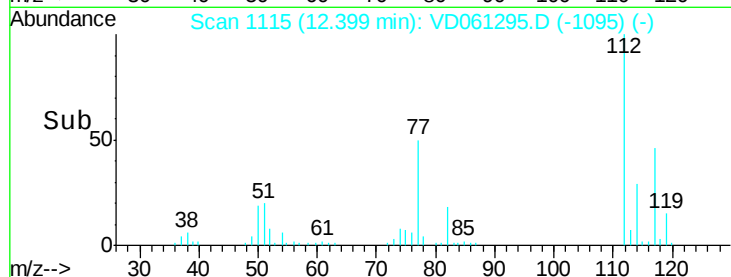
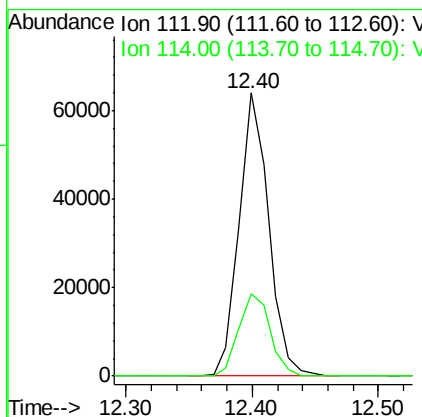
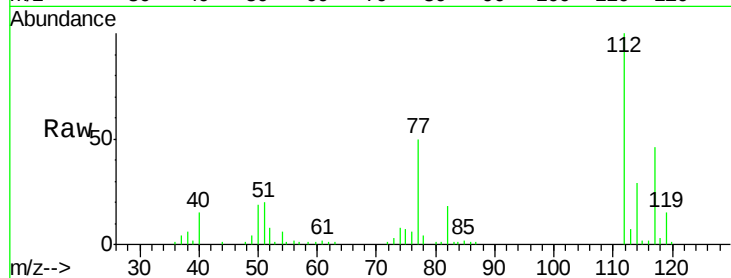




#65
Chlorobenzene
Concen: 5.508 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

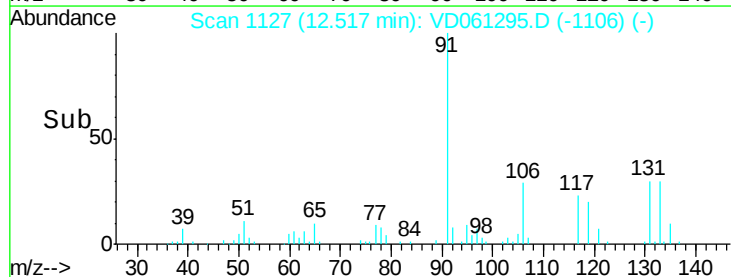
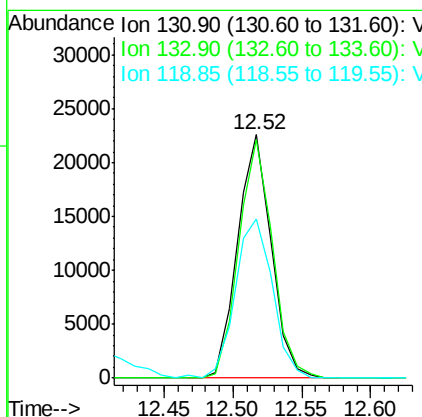
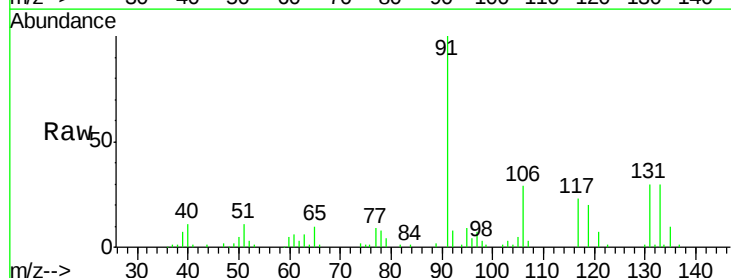
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

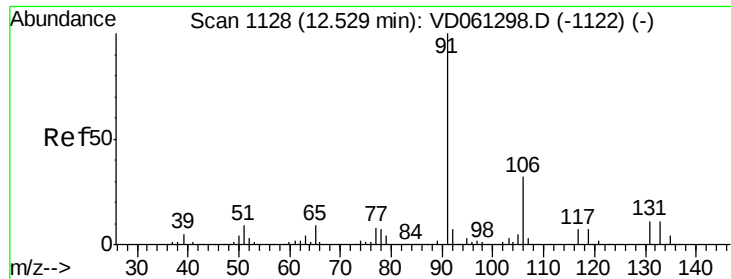
Tot Ion:112 Resp: 103737
Ion Ratio Lower Upper
112 100
114 29.3 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 5.275 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Tgt Ion:131 Resp: 38521
Ion Ratio Lower Upper
131 100
133 97.8 47.0 141.2
119 65.4 34.8 104.5

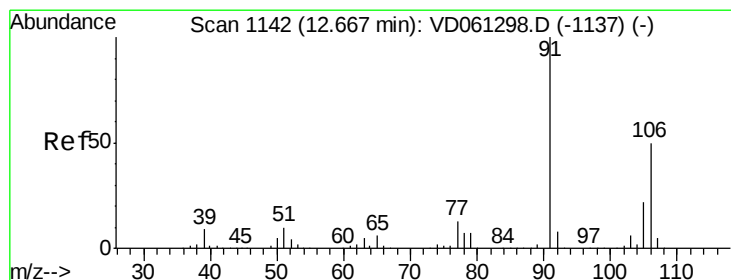
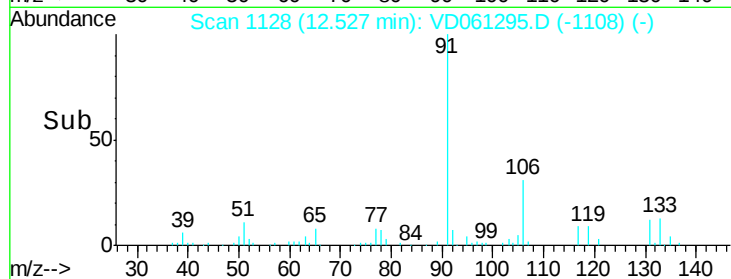
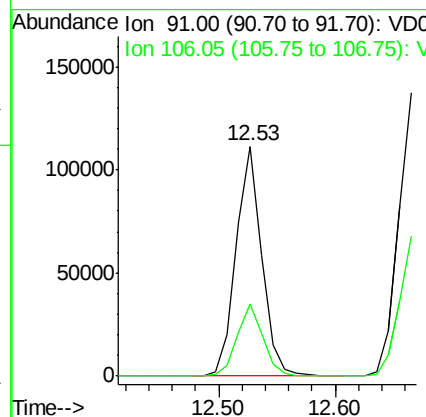
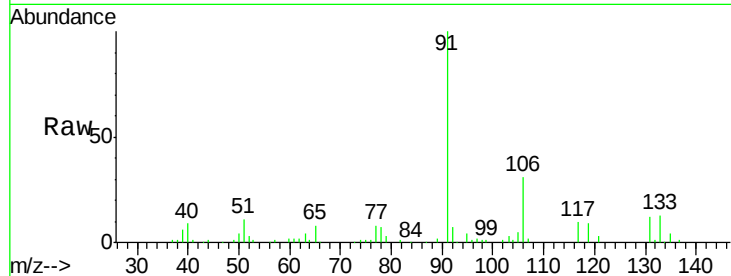




#67
Ethyl Benzene
Concen: 5.906 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

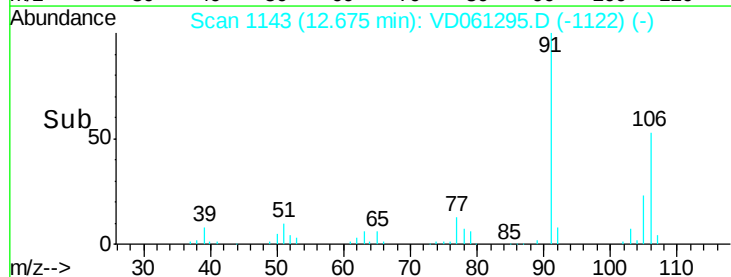
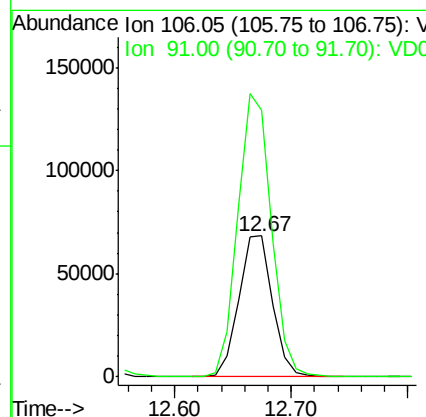
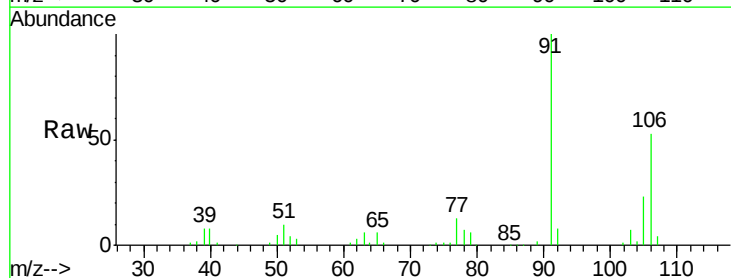
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

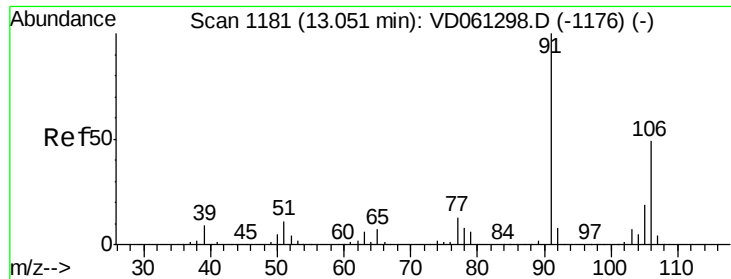
Tot Ion: 91 Resp: 170235
Ion Ratio Lower Upper
91 100
106 31.2 25.8 38.8



#68
m/p-Xylenes
Concen: 12.126 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Tgt Ion: 106 Resp: 136448
Ion Ratio Lower Upper
106 100
91 189.5 159.2 238.8

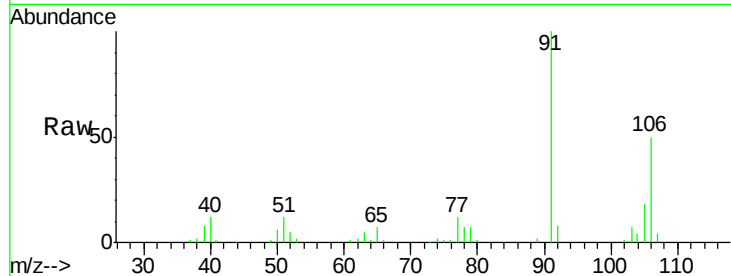




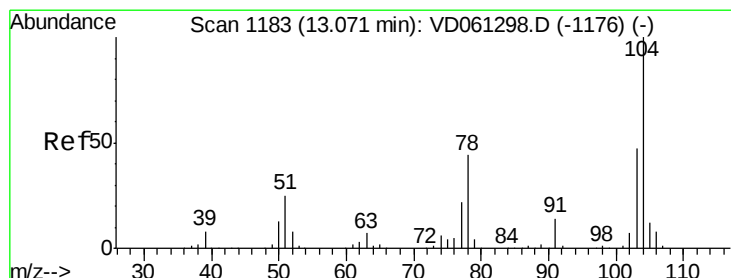
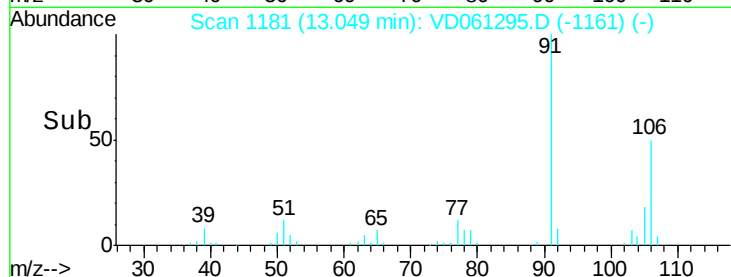
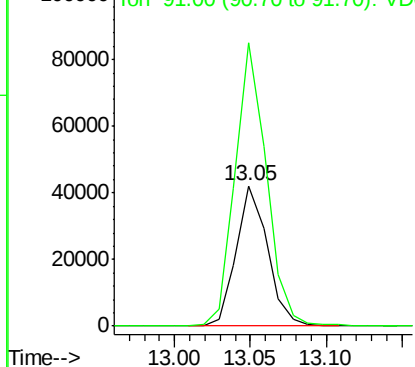
#69
o-Xylene
Concen: 5.821 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 60749
Ion Ratio Lower Upper
106 100
91 202.0 102.5 307.5

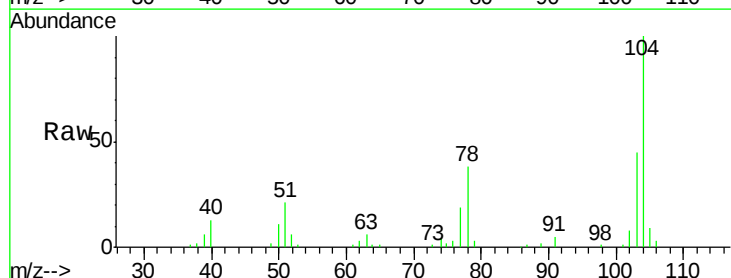


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

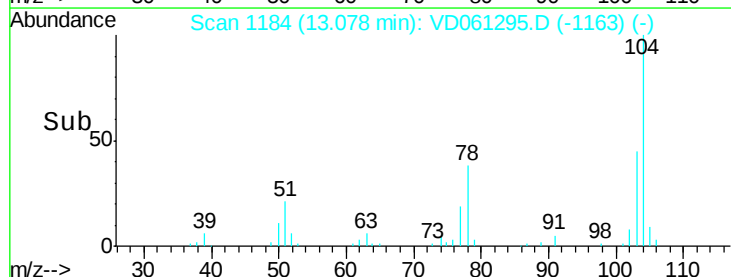
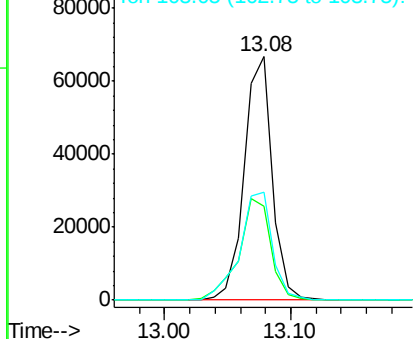


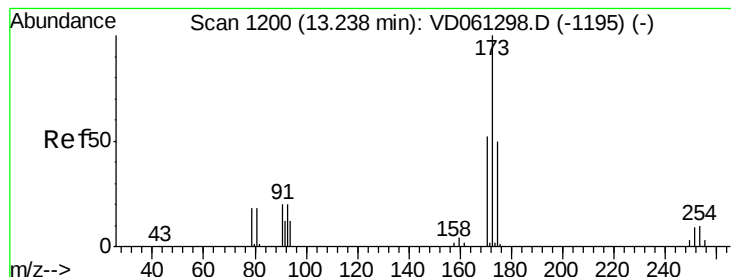
#70
Styrene
Concen: 5.781 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Tgt Ion:104 Resp: 102390
Ion Ratio Lower Upper
104 100
78 38.3 35.1 52.7
103 44.5 37.5 56.3



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





#71

Bromoform

Concen: 4.989 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

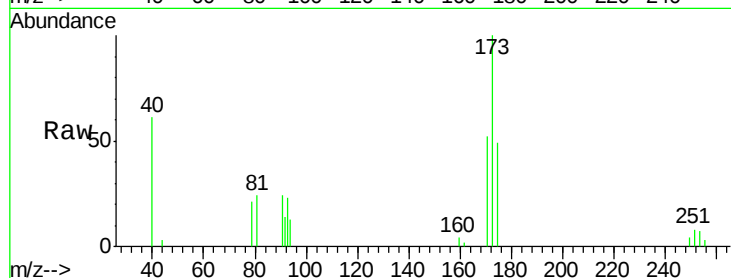
Tot Ion:173 Resp: 22295

Ion Ratio Lower Upper

173 100

175 49.0 24.9 74.7

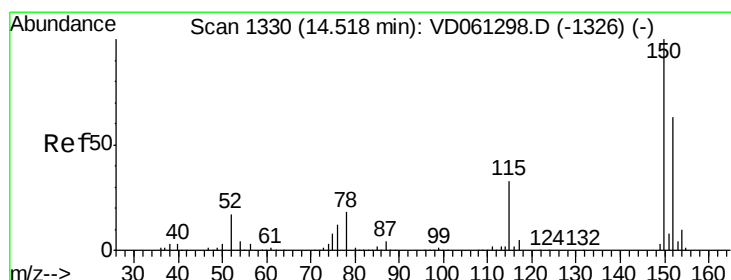
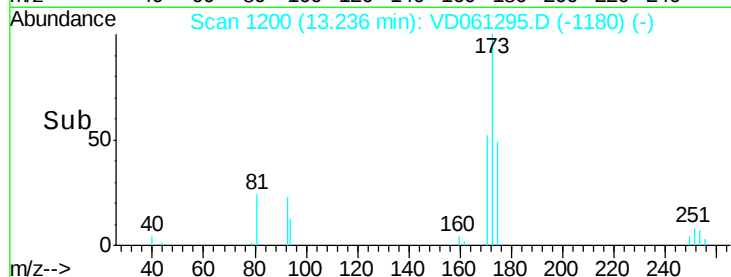
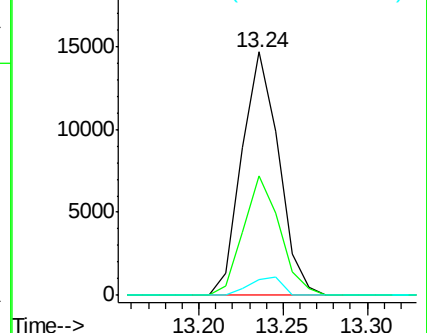
254 6.5 7.8 11.6#



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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

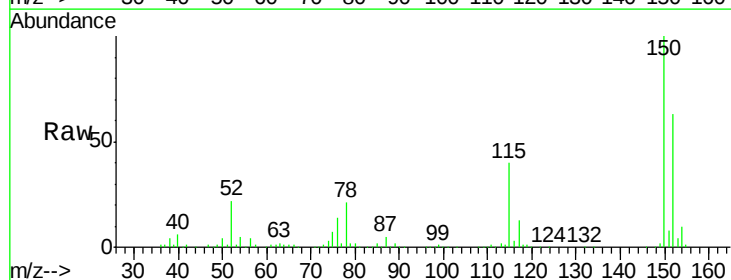
Tgt Ion:152 Resp: 439702

Ion Ratio Lower Upper

152 100

115 63.5 29.2 87.6

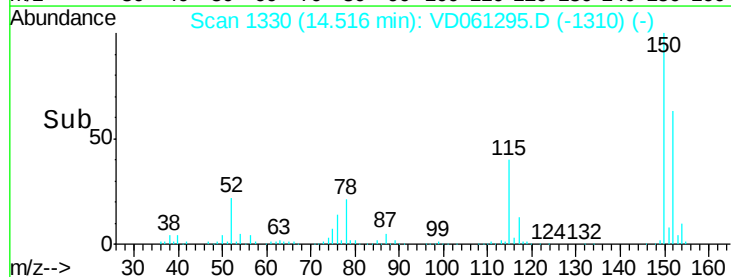
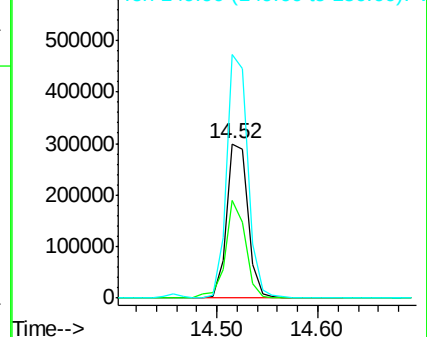
150 157.5 0.0 319.6

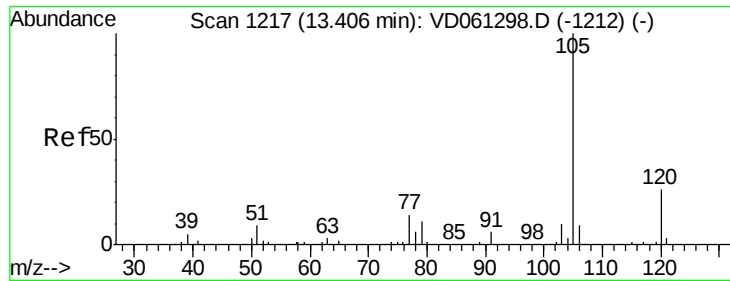


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 6.477 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

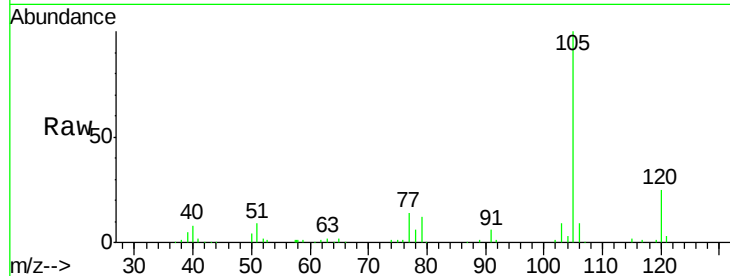
VSTDIC005

Tot Ion:105 Resp: 185234

Ion Ratio Lower Upper

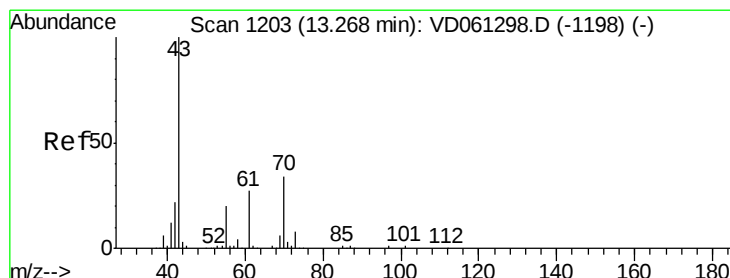
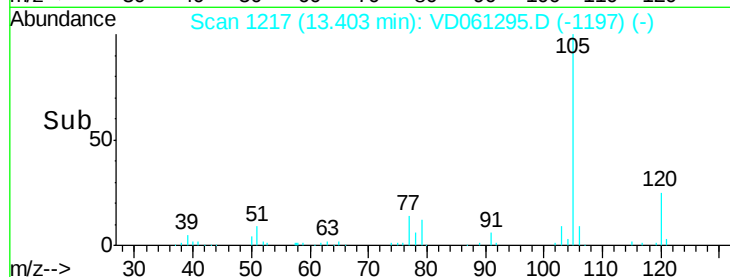
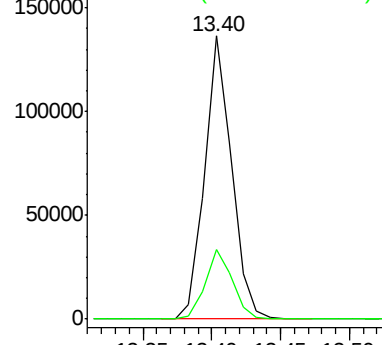
105 100

120 24.6 13.1 39.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 5.365 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Tgt Ion: 43 Resp: 40142

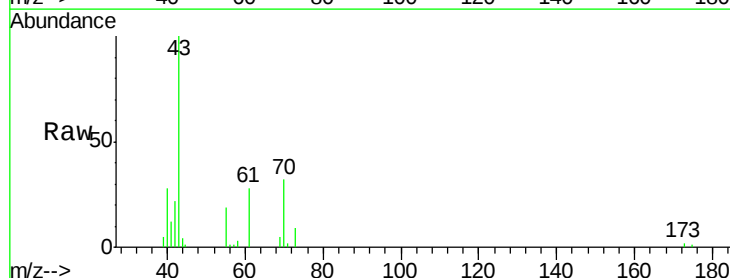
Ion Ratio Lower Upper

43 100

70 31.8 27.5 41.3

55 18.8 15.7 23.5

61 27.5 21.8 32.6

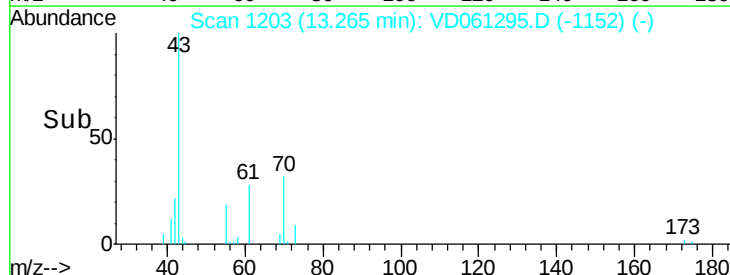
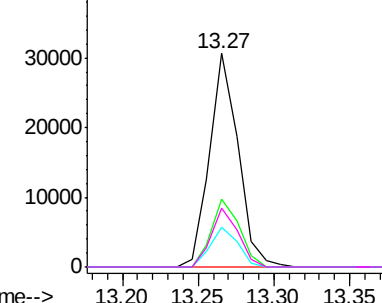


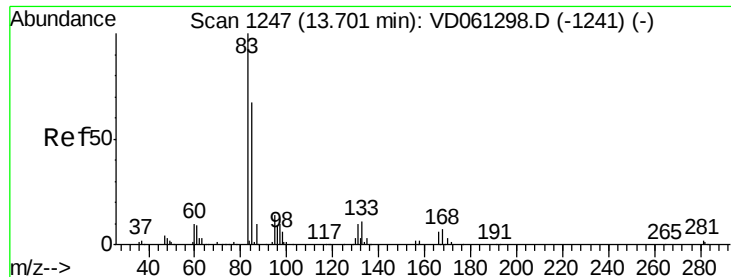
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 5.130 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

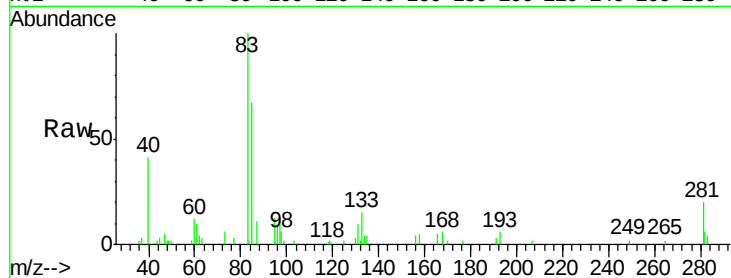
Tot Ion: 83 Resp: 28450

Ion Ratio Lower Upper

83 100

131 9.6 5.0 15.0

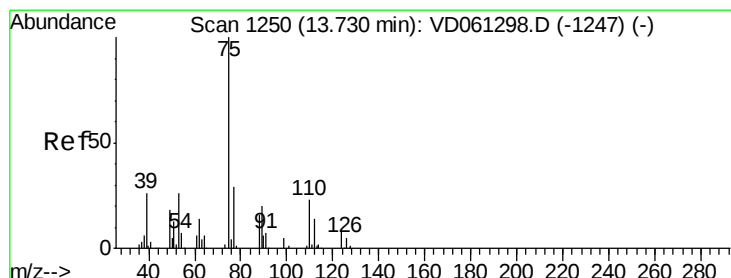
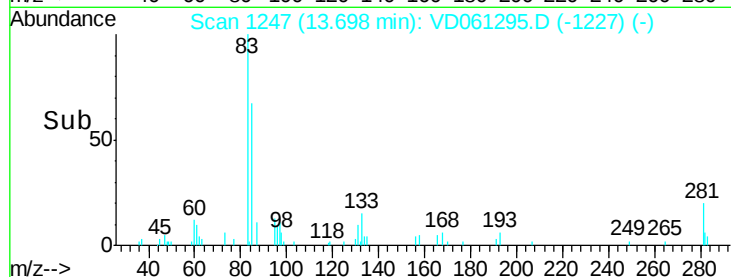
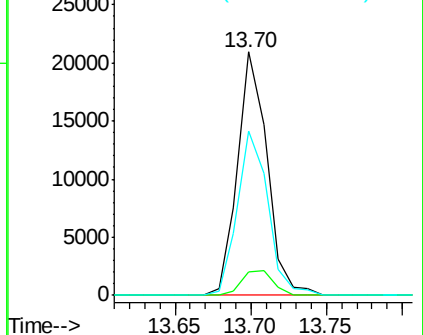
85 67.4 33.4 100.2



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: 5.185 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061295.D

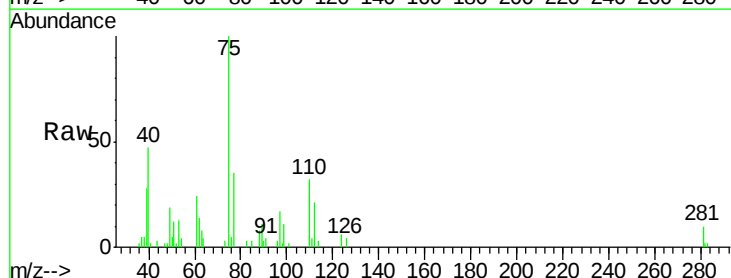
Acq: 25 Mar 2019 10:51

Tgt Ion: 75 Resp: 28352

Ion Ratio Lower Upper

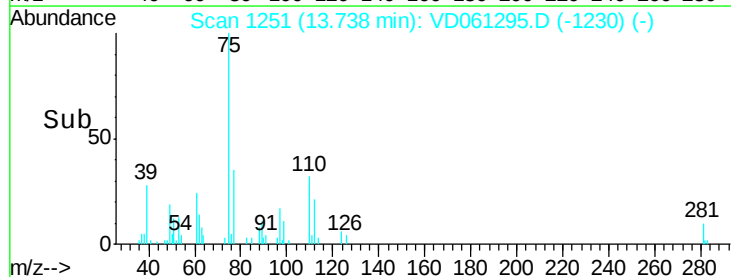
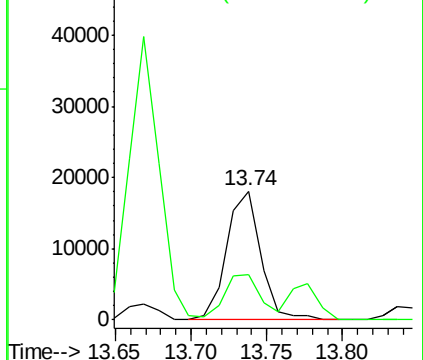
75 100

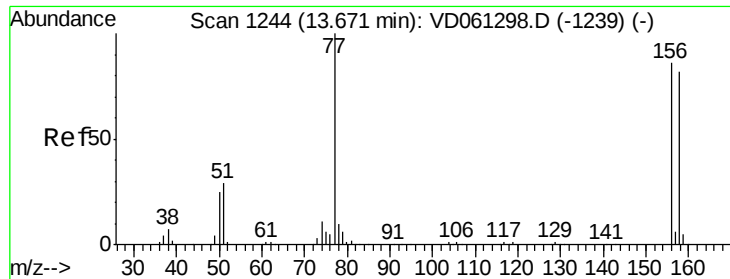
77 35.4 15.8 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 5.641 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

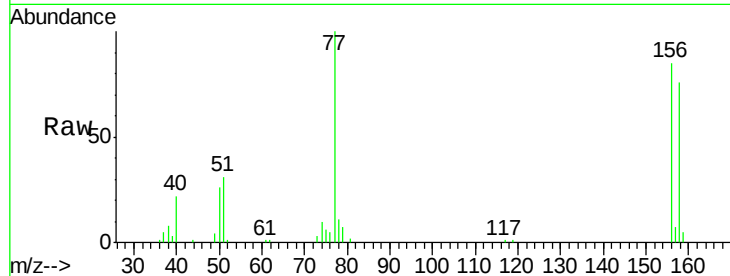
Tot Ion:156 Resp: 45064

Ion Ratio Lower Upper

156 100

77 118.3 58.4 175.1

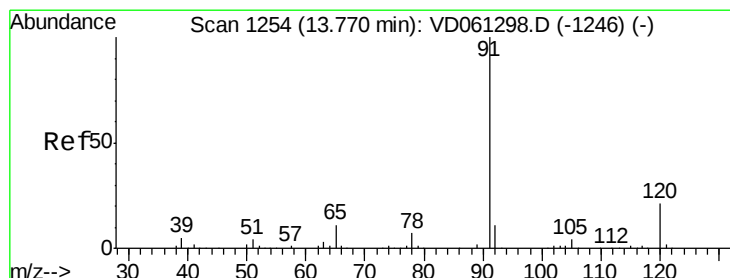
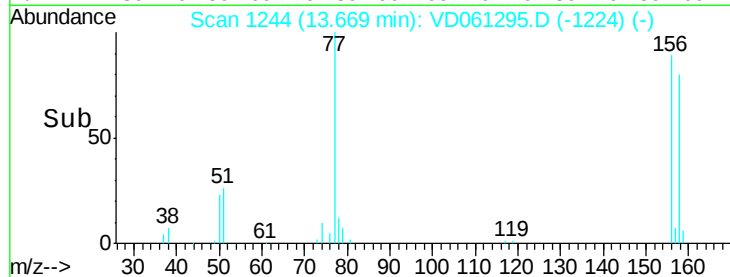
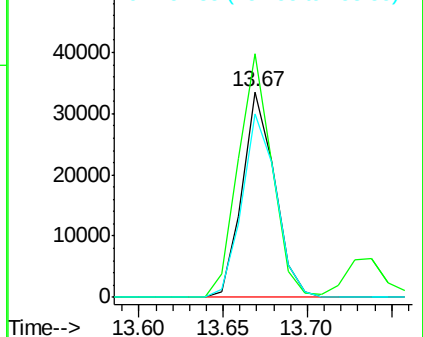
158 89.4 48.1 144.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 6.082 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061295.D

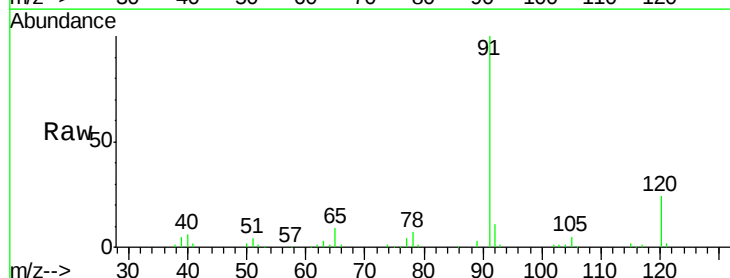
Acq: 25 Mar 2019 10:51

Tgt Ion: 91 Resp: 196228

Ion Ratio Lower Upper

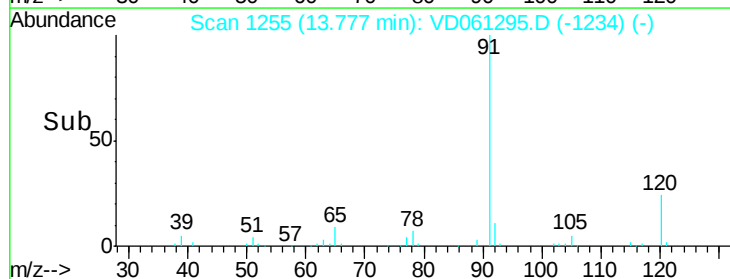
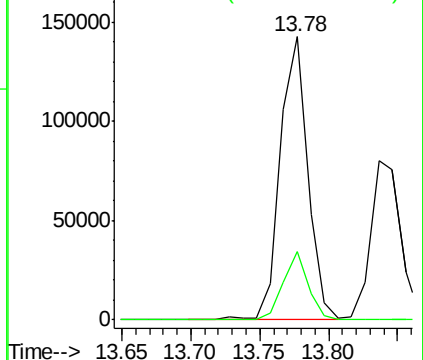
91 100

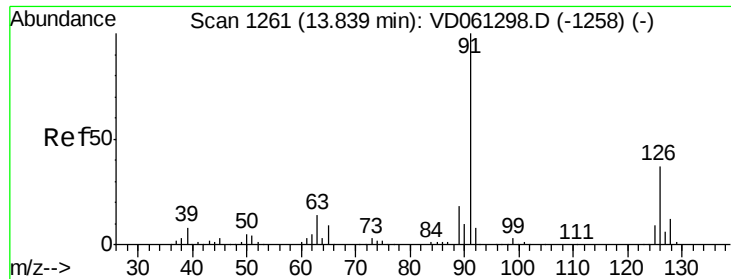
120 24.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 6.455 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

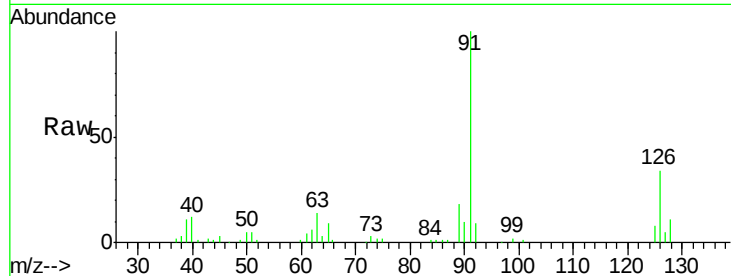
VSTDIC005

Tot Ion: 91 Resp: 121017

Ion Ratio Lower Upper

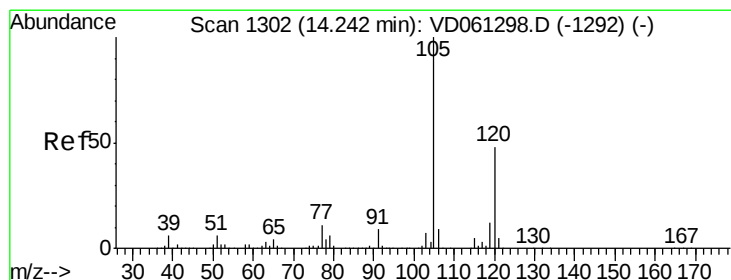
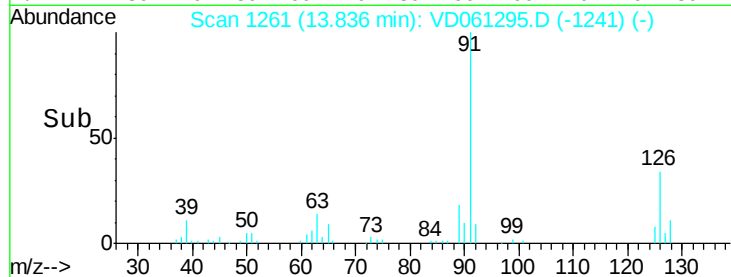
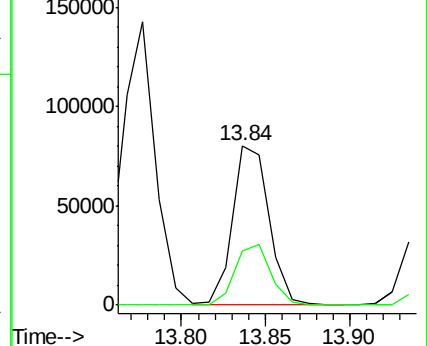
91 100

126 33.7 18.4 55.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 5.909 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD061295.D

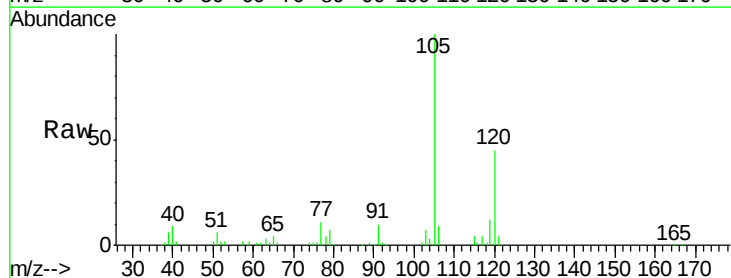
Acq: 25 Mar 2019 10:51

Tgt Ion:105 Resp: 133307

Ion Ratio Lower Upper

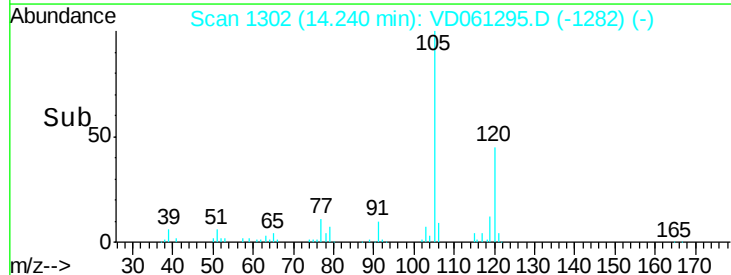
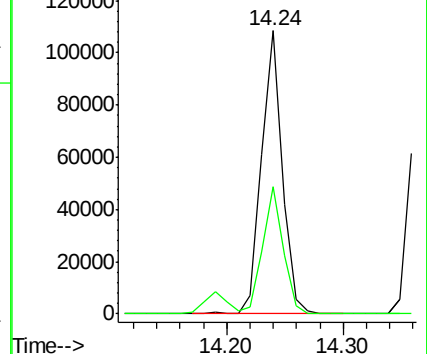
105 100

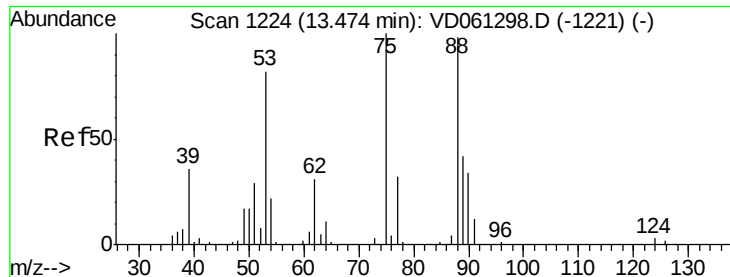
120 45.1 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.945 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

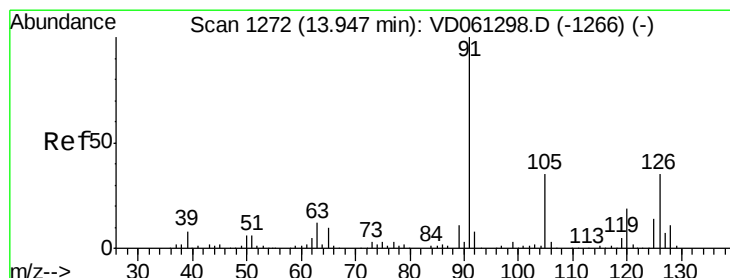
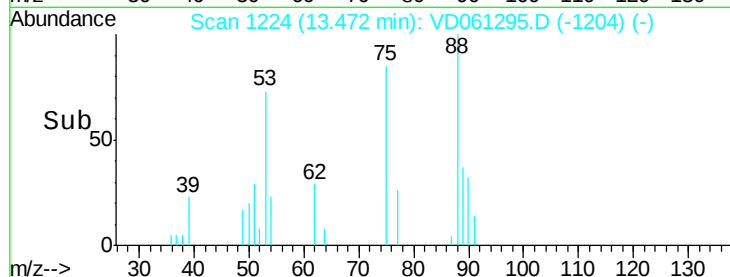
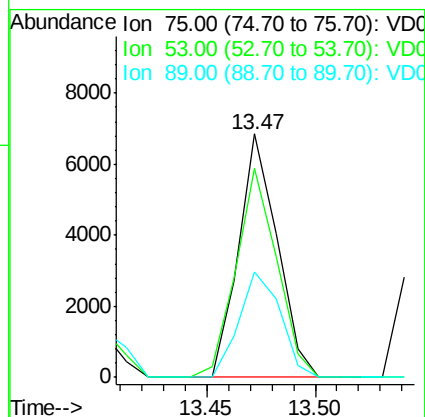
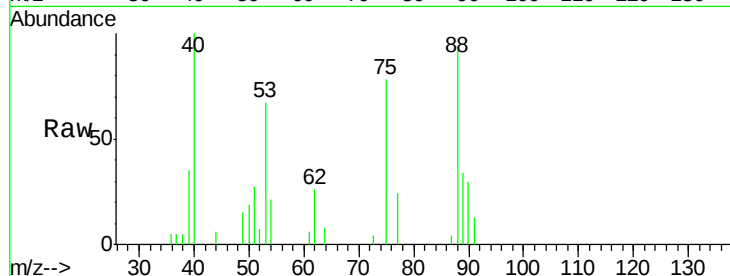
Tot Ion: 75 Resp: 8533

Ion Ratio Lower Upper

75 100

53 86.0 65.3 97.9

89 43.4 33.8 50.6



#82

4-Chlorotoluene

Concen: 6.103 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD061295.D

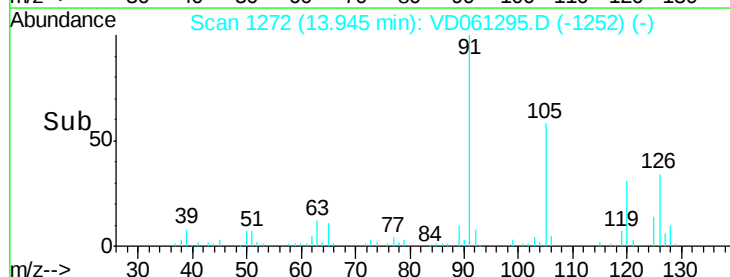
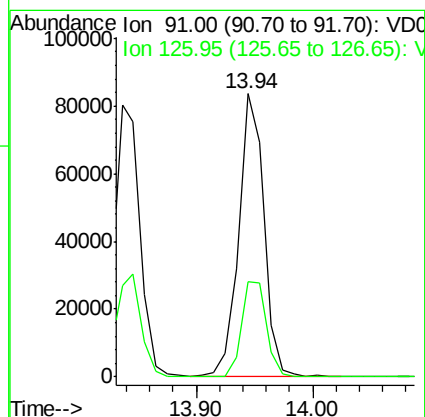
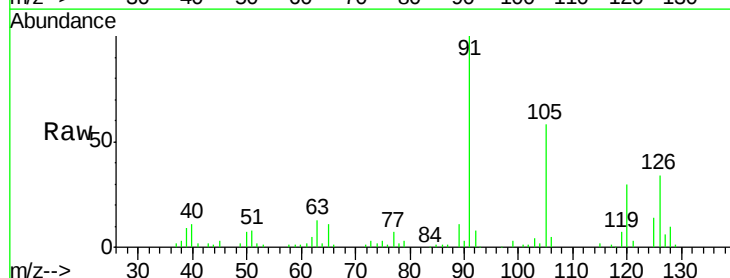
Acq: 25 Mar 2019 10:51

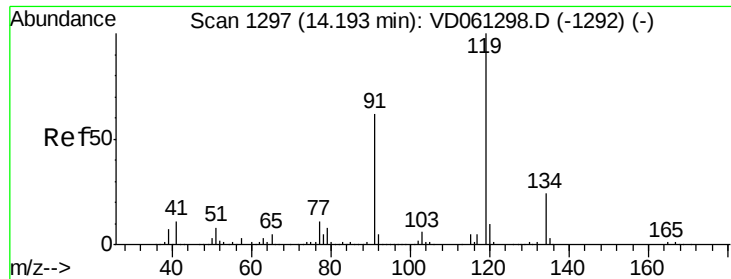
Tgt Ion: 91 Resp: 125335

Ion Ratio Lower Upper

91 100

126 33.7 17.7 53.1





#83

tert-Butylbenzene

Concen: 5.889 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

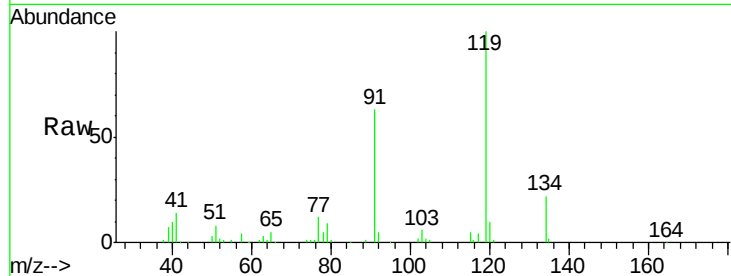
Tot Ion:119 Resp: 151695

Ion Ratio Lower Upper

119 100

91 63.3 31.1 93.5

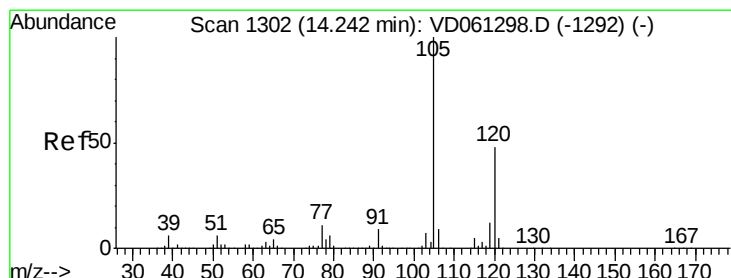
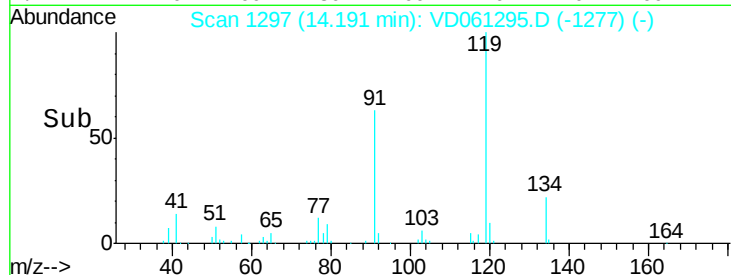
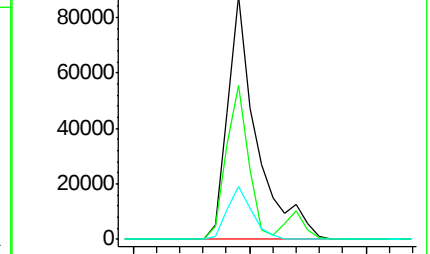
134 21.6 11.9 35.7



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: 5.909 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD061295.D

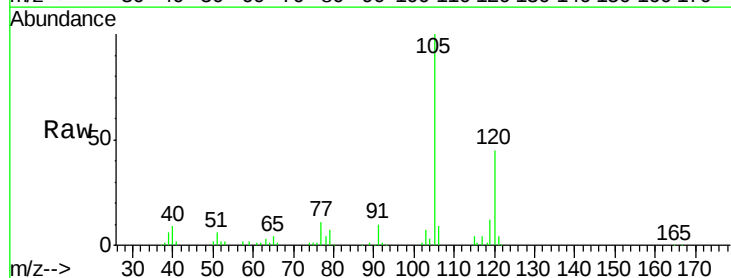
Acq: 25 Mar 2019 10:51

Tgt Ion:105 Resp: 133307

Ion Ratio Lower Upper

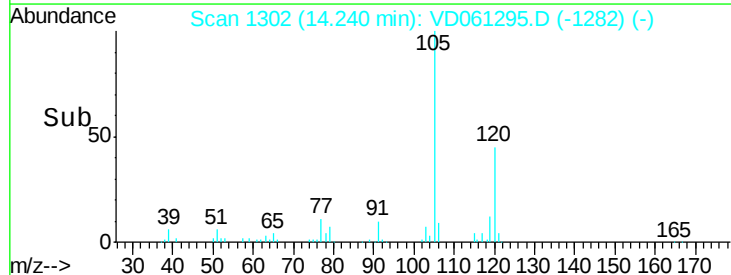
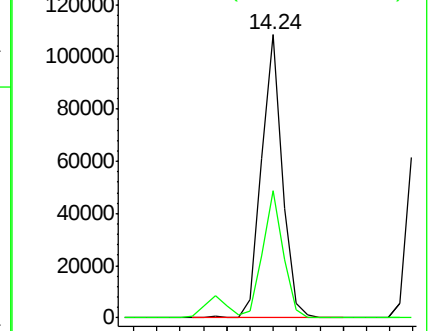
105 100

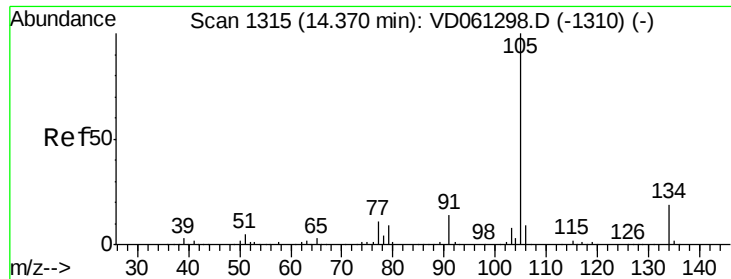
120 45.1 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

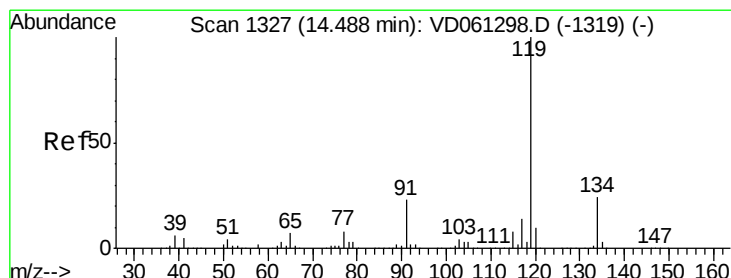
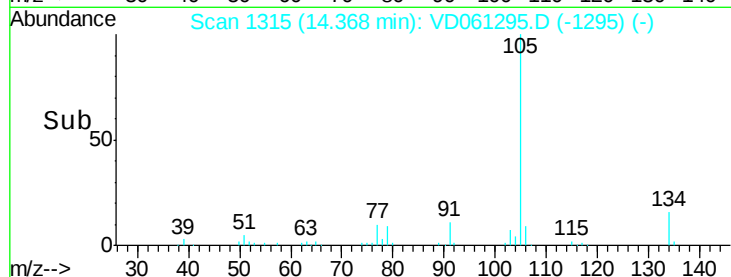
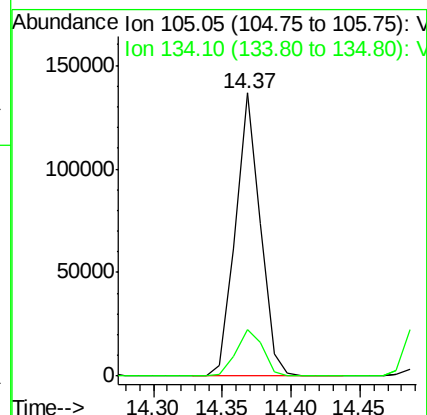
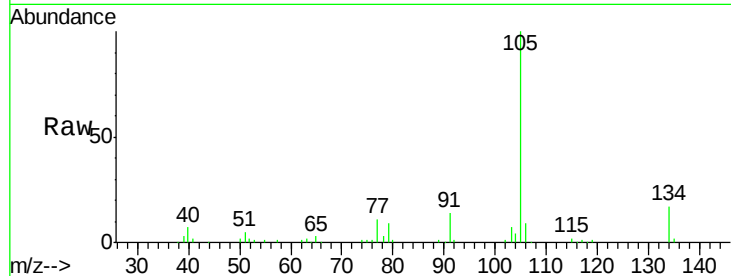




#85
 sec-Butylbenzene
 Concen: 5.982 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD061295.D
 Acq: 25 Mar 2019 10:51

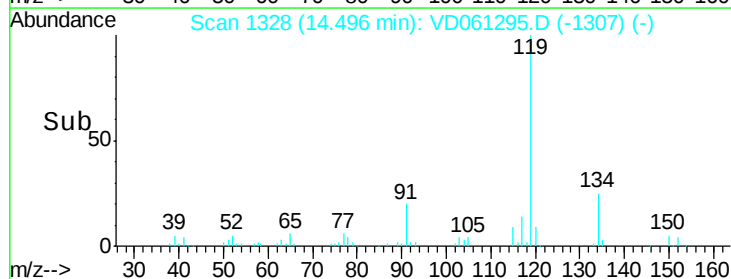
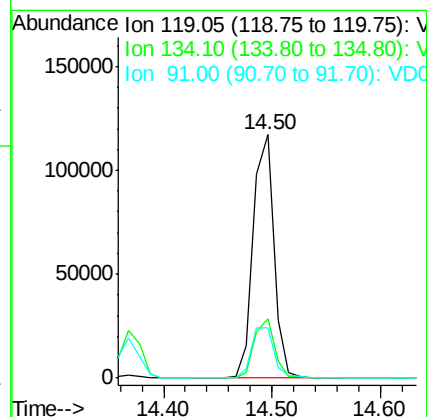
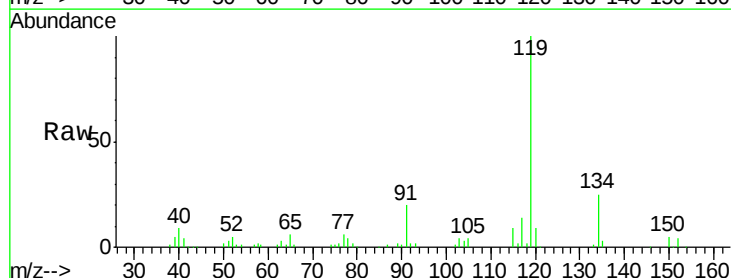
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

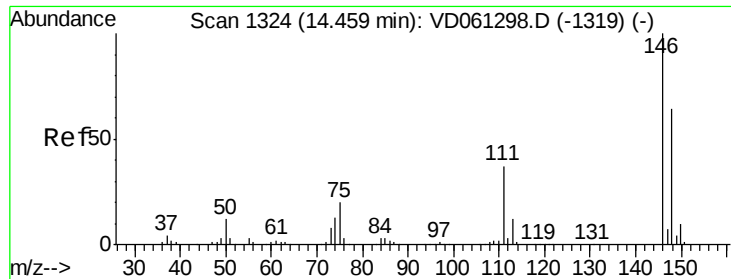
Tot Ion:105 Resp: 171607
 Ion Ratio Lower Upper
 105 100
 134 16.6 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 6.105 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061295.D
 Acq: 25 Mar 2019 10:51

Tgt Ion:119 Resp: 156263
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.1 36.3
 91 20.5 11.4 34.2

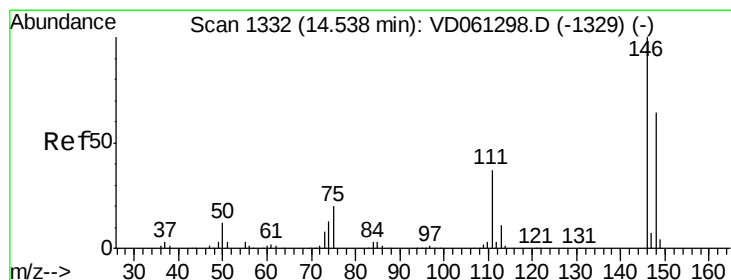
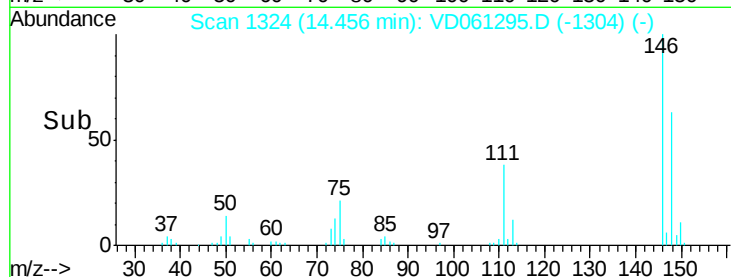
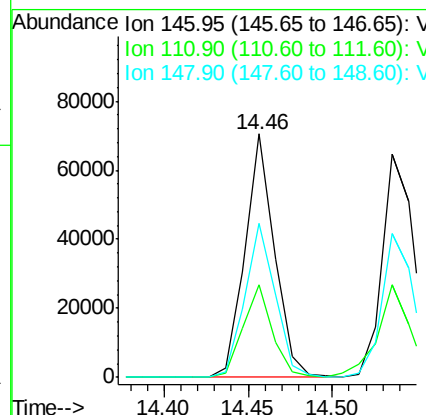
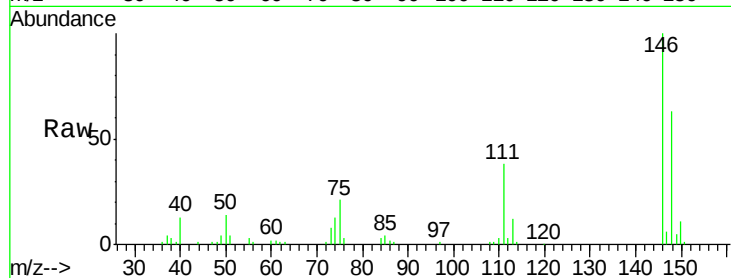




#87
 1,3-Dichlorobenzene
 Concen: 6.053 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061295.D
 Acq: 25 Mar 2019 10:51

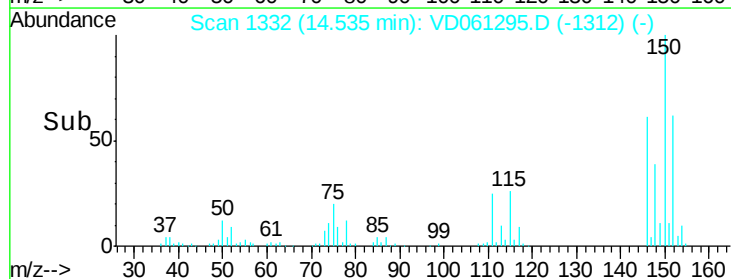
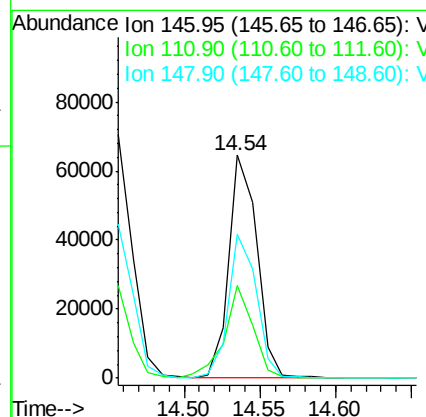
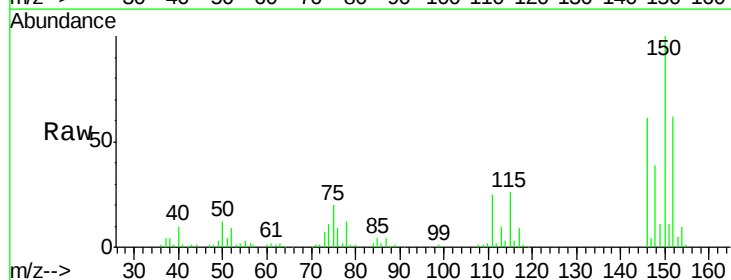
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

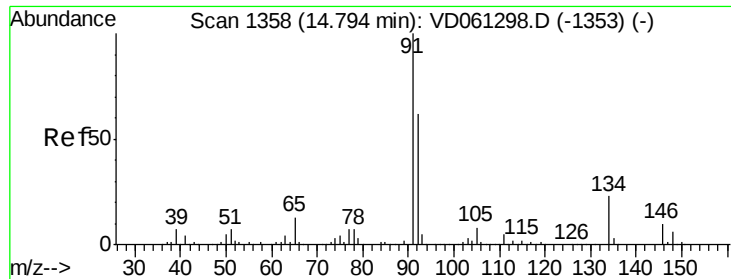
Tot Ion:146 Resp: 85712
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.4 55.0
 148 63.3 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 6.102 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061295.D
 Acq: 25 Mar 2019 10:51

Tgt Ion:146 Resp: 83698
 Ion Ratio Lower Upper
 146 100
 111 41.4 18.6 55.6
 148 64.7 31.9 95.5





#89

n-Butylbenzene

Concen: 6.240 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061295.D

Acq: 25 Mar 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

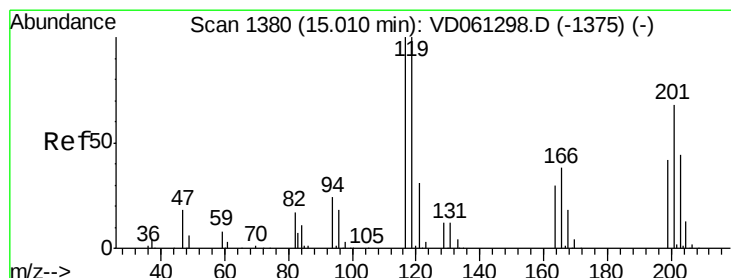
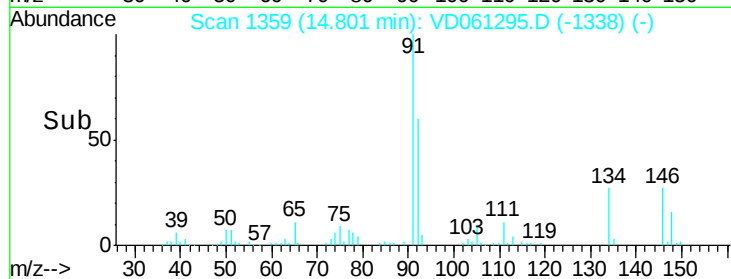
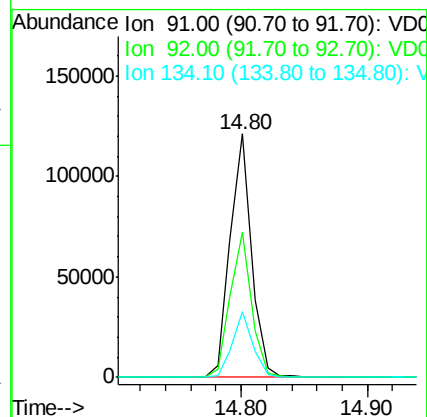
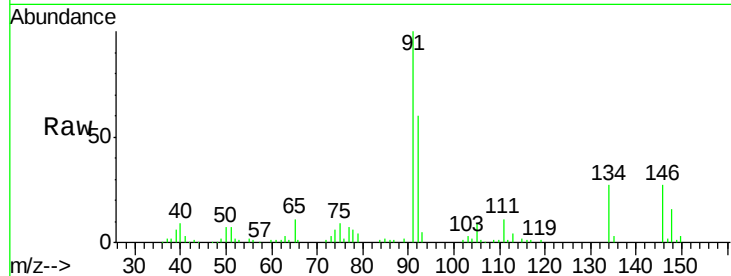
Tot Ion: 91 Resp: 141790

Ion Ratio Lower Upper

91 100

92 59.5 30.9 92.7

134 27.1 11.7 35.0



#90

Hexachloroethane

Concen: 5.283 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD061295.D

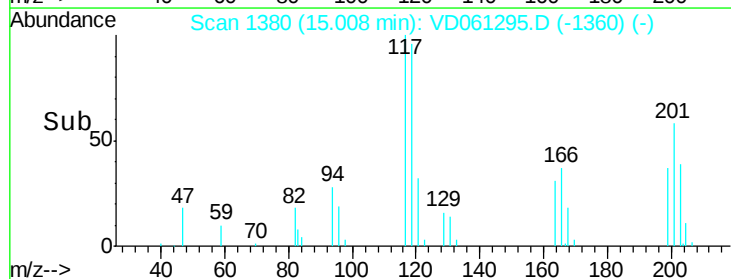
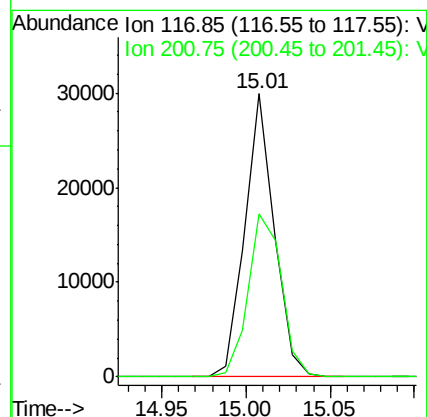
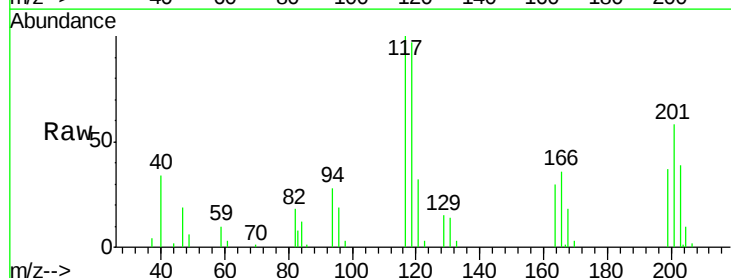
Acq: 25 Mar 2019 10:51

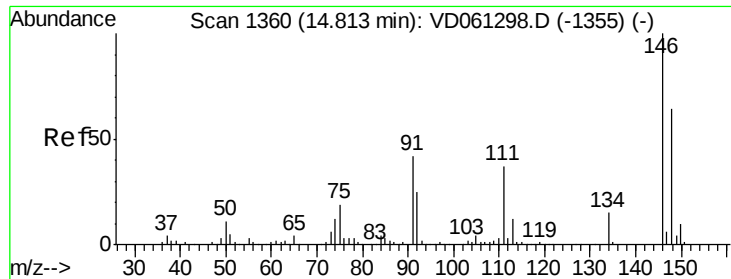
Tgt Ion: 117 Resp: 36255

Ion Ratio Lower Upper

117 100

201 57.6 34.0 101.8

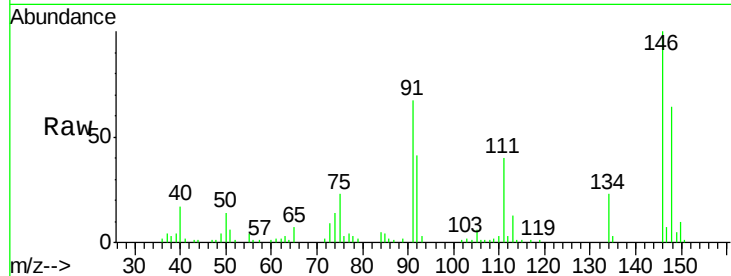




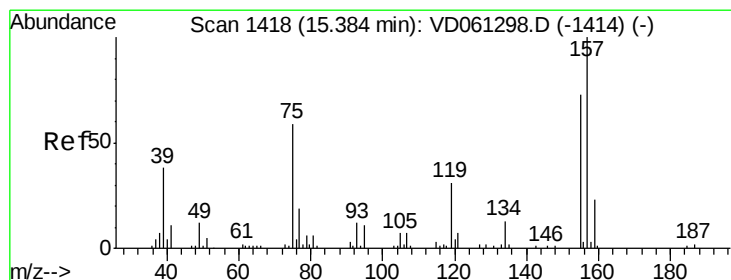
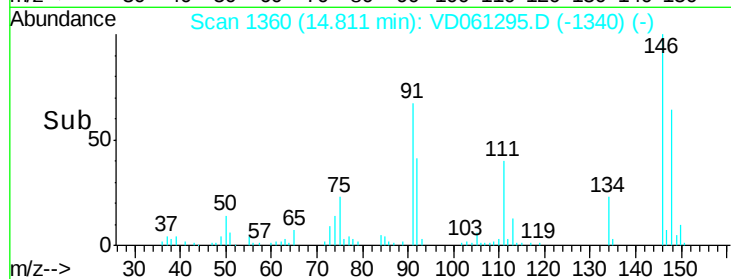
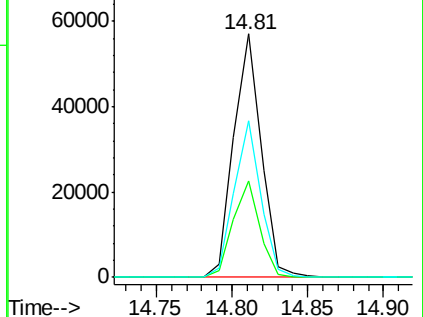
#91
 1,2-Dichlorobenzene
 Concen: 6.366 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD061295.D
 Acq: 25 Mar 2019 10:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:146 Resp: 71928
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.3 54.8
 148 64.2 31.9 95.7

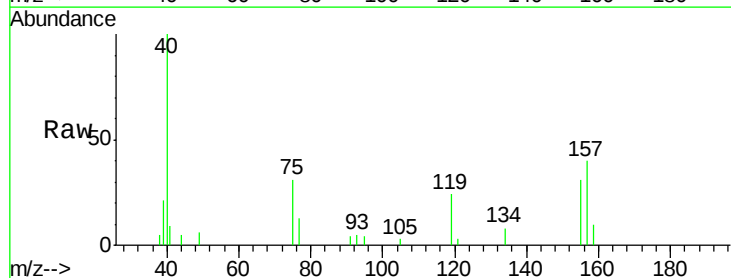


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

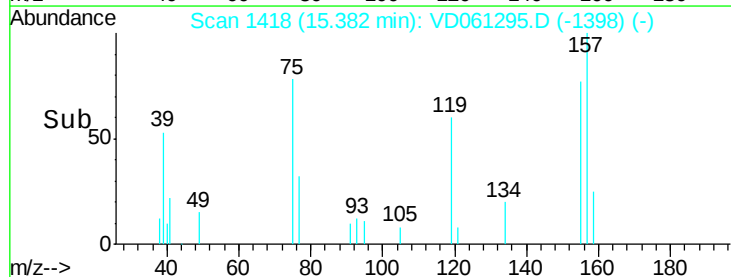
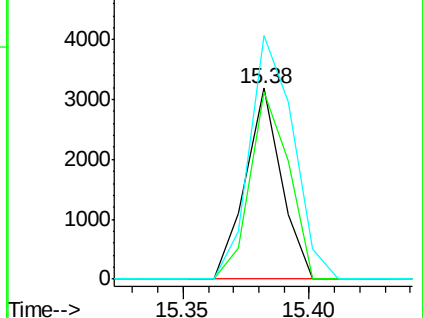


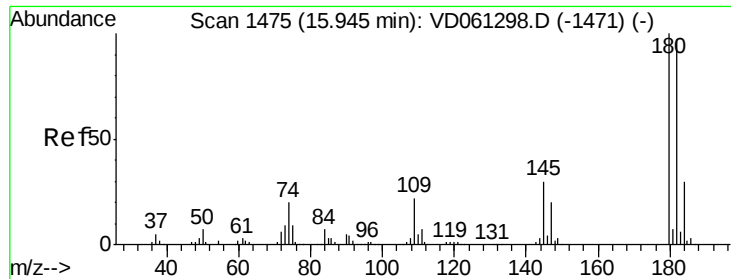
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.576 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD061295.D
 Acq: 25 Mar 2019 10:51

Tgt Ion: 75 Resp: 3171
 Ion Ratio Lower Upper
 75 100
 155 98.5 61.9 185.7
 157 127.6 84.4 253.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

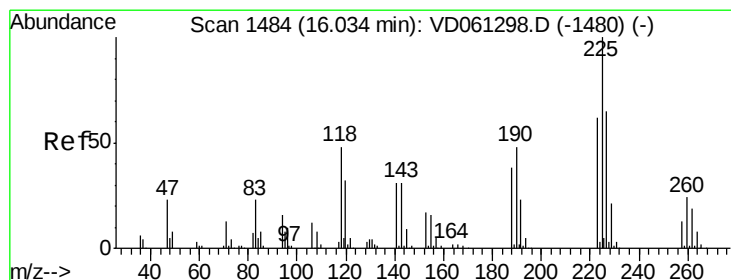
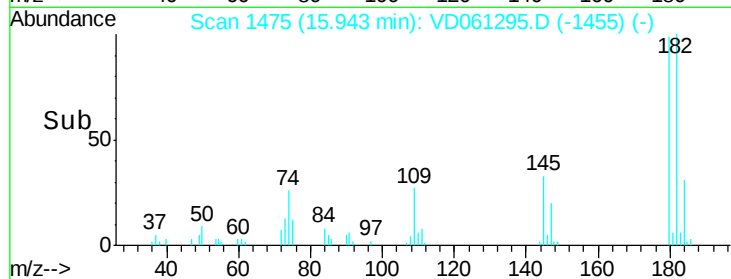
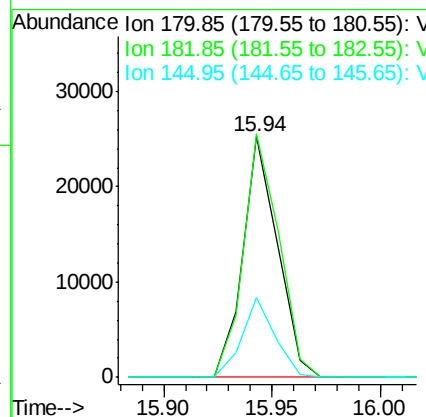
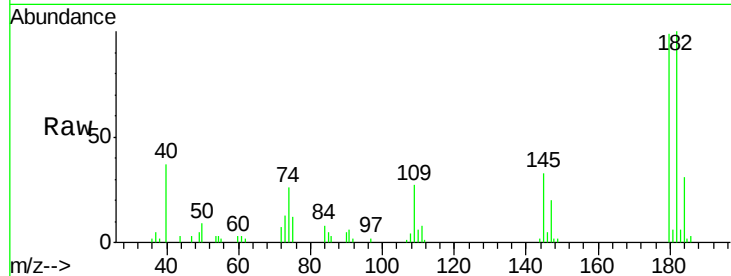




#93
 1,2,4-Trichlorobenzene
 Concen: 5.387 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061295.D
 Acq: 25 Mar 2019 10:51

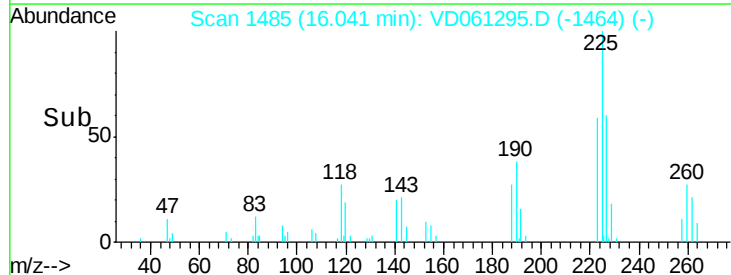
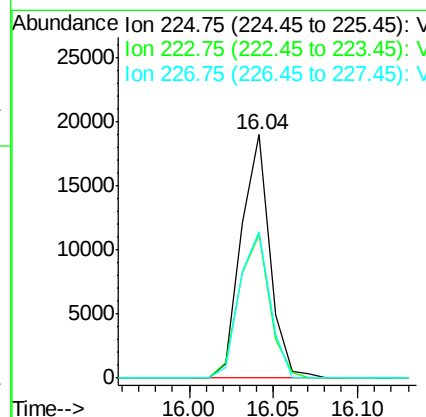
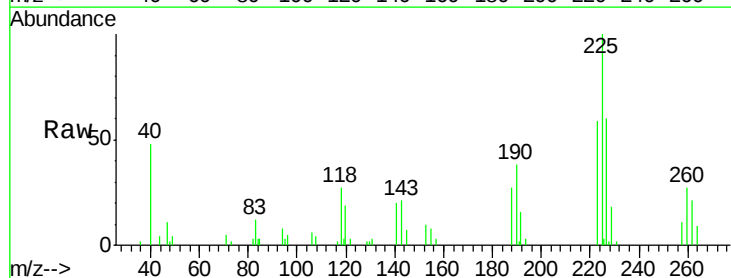
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

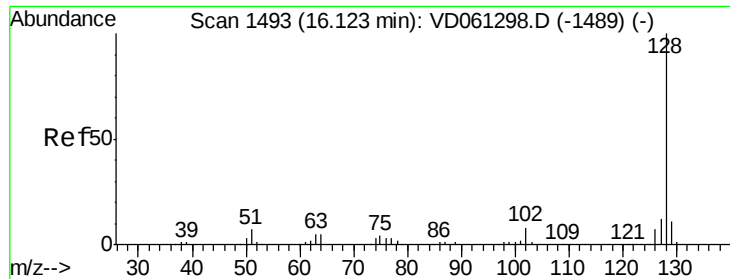
Tot Ion:180 Resp: 28109
 Ion Ratio Lower Upper
 180 100
 182 101.2 48.3 144.9
 145 33.4 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 5.347 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061295.D
 Acq: 25 Mar 2019 10:51

Tgt Ion:225 Resp: 22485
 Ion Ratio Lower Upper
 225 100
 223 59.3 30.9 92.8
 227 60.0 32.6 97.7

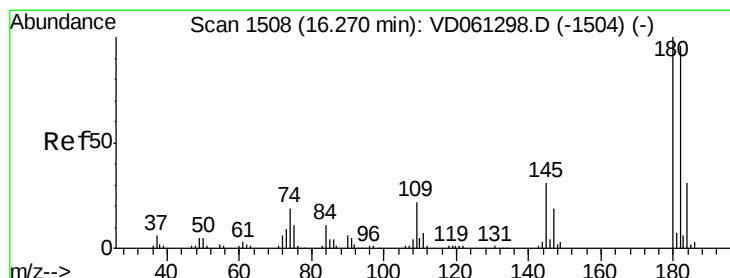
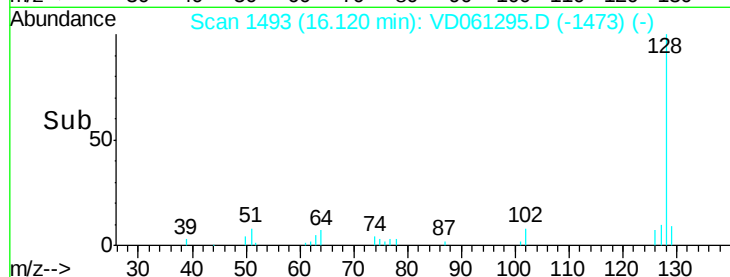
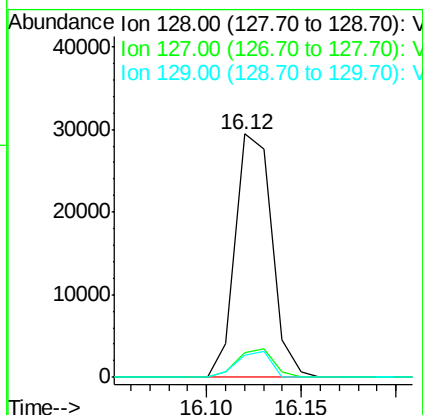
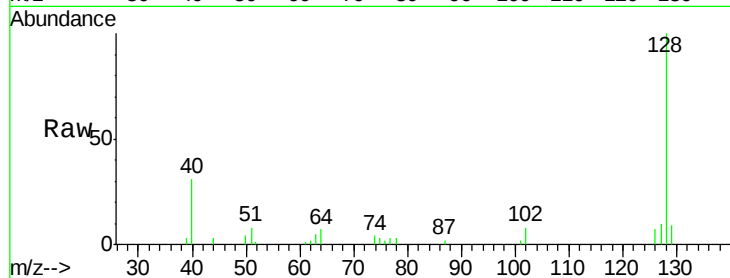




#95
Naphthalene
Concen: 5.137 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 39105
Ion Ratio Lower Upper
128 100
127 10.1 9.8 14.6
129 9.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 5.179 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061295.D
Acq: 25 Mar 2019 10:51

Tgt Ion:180 Resp: 12622
Ion Ratio Lower Upper
180 100
182 101.4 48.0 144.2
145 35.0 15.4 46.4

