

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061962.D
 Acq On : 23 Apr 2019 10:33
 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: Apr 23 12:20:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 12:18:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	699243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1181337	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	915125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	441035	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	27563	4.20	ug/l	0.00
Spiked Amount			Recovery	=	8.40%	
35) Dibromofluoromethane	6.93	113	40624	4.47	ug/l	0.00
Spiked Amount			Recovery	=	8.94%	
50) Toluene-d8	10.42	98	92505	4.56	ug/l	0.00
Spiked Amount			Recovery	=	9.12%	
62) 4-Bromofluorobenzene	13.56	95	40981	4.62	ug/l	0.00
Spiked Amount			Recovery	=	9.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	35519	5.265	ug/l	96
3) Chloromethane	1.77	50	29829	5.609	ug/l	100
4) Vinyl Chloride	1.86	62	24603	5.161	ug/l	89
5) Bromomethane	2.16	94	9675	6.582	ug/l #	83
6) Chloroethane	2.28	64	10052	5.536	ug/l	96
7) Trichlorofluoromethane	2.54	101	38504	4.987	ug/l	98
8) Diethyl Ether	2.88	74	9681	4.783	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	36605	5.330	ug/l	96
10) Methyl Iodide	3.32	142	31845	3.137	ug/l #	82
11) Tert butyl alcohol	4.07	59	6369	18.198	ug/l #	76
12) 1,1-Dichloroethene	3.14	96	30748	5.526	ug/l	81
13) Acrolein	3.05	56	7613	29.799	ug/l	99
14) Allyl chloride	3.64	41	41750	5.136	ug/l	96
15) Acrylonitrile	4.21	53	23495	21.574	ug/l	100
16) Acetone	3.22	43	30867	25.349	ug/l #	86
17) Carbon Disulfide	3.39	76	92012	5.575	ug/l	99
18) Methyl Acetate	3.66	43	17732	5.766	ug/l #	90
19) Methyl tert-butyl Ether	4.25	73	54160	4.219	ug/l	98
20) Methylene Chloride	3.83	84	45652	5.834	ug/l	90
21) trans-1,2-Dichloroethene	4.23	96	32970	4.862	ug/l	93
22) Diisopropyl ether	5.13	45	100805	5.020	ug/l	96
23) Vinyl Acetate	5.06	43	221105	20.675	ug/l	98
24) 1,1-Dichloroethane	4.99	63	60572	5.125	ug/l	100
25) 2-Butanone	6.08	43	40782	24.040	ug/l	99
26) 2,2-Dichloropropane	6.04	77	53668	5.501	ug/l	89
27) cis-1,2-Dichloroethene	6.05	96	40308	5.037	ug/l	98
28) Bromochloromethane	6.45	49	22138	4.753	ug/l	96
29) Tetrahydrofuran	6.46	42	21093	23.882	ug/l	98
30) Chloroform	6.68	83	63775	4.598	ug/l	99
31) Cyclohexane	6.96	56	47435	5.652	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	56611	4.668	ug/l	94
36) 1,1-Dichloropropene	7.16	75	50207	5.305	ug/l	93
37) Ethyl Acetate	6.19	43	21293	4.873	ug/l #	93
38) Carbon Tetrachloride	7.12	117	56621	4.686	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061962.D
 Acq On : 23 Apr 2019 10:33
 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: Apr 23 12:20:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 12:18:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	44665	4.784	ug/l	94
40) Benzene	7.47	78	118810	4.995	ug/l	100
41) Methacrylonitrile	6.45	41	23540	4.552	ug/l	97
42) 1,2-Dichloroethane	7.58	62	38768	4.439	ug/l	100
43) Isopropyl Acetate	9.25	43	25900	4.068	ug/l	96
44) Trichloroethene	8.55	130	45917	5.196	ug/l	93
45) 1,2-Dichloropropane	8.95	63	29257	4.824	ug/l	98
46) Dibromomethane	9.07	93	20339	4.420	ug/l	95
47) Bromodichloromethane	9.38	83	47773	4.531	ug/l #	96
48) Methyl methacrylate	9.13	41	17246	4.748	ug/l	95
49) 1,4-Dioxane	9.09	88	3038	80.946	ug/l #	80
51) 4-Methyl-2-Pentanone	10.31	43	89620	22.036	ug/l	98
52) Toluene	10.52	92	79032	5.164	ug/l	94
53) t-1,3-Dichloropropene	10.92	75	39012	4.167	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	48488	4.458	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	23860	4.333	ug/l	94
56) Ethyl methacrylate	11.05	69	25723	4.397	ug/l	98
57) 1,3-Dichloropropane	11.41	76	37947	4.624	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	60696	21.625	ug/l	92
59) 2-Hexanone	11.54	43	66156	23.122	ug/l	98
60) Dibromochloromethane	11.69	129	37166	4.192	ug/l	92
61) 1,2-Dibromoethane	11.81	107	28400	4.304	ug/l	99
64) Tetrachloroethene	11.27	164	35878	5.384	ug/l	95
65) Chlorobenzene	12.41	112	94583	5.385	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	38738	5.343	ug/l	98
67) Ethyl Benzene	12.53	91	162694	6.101	ug/l	100
68) m/p-Xylenes	12.67	106	120516	11.815	ug/l	99
69) o-Xylene	13.05	106	51266	5.281	ug/l	96
70) Styrene	13.08	104	87891	5.232	ug/l	98
71) Bromoform	13.23	173	20700	4.626	ug/l	89
73) Isopropylbenzene	13.40	105	153425	5.455	ug/l	99
74) N-amyl acetate	13.26	43	37131	4.854	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	26635	4.394	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	24972	4.264	ug/l	100
77) Bromobenzene	13.68	156	42823	5.172	ug/l	94
78) n-propylbenzene	13.78	91	165064	4.944	ug/l	99
79) 2-Chlorotoluene	13.84	91	107979	5.412	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	119325	5.069	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	7990	4.614	ug/l	96
82) 4-Chlorotoluene	13.95	91	119378	5.310	ug/l	98
83) tert-Butylbenzene	14.19	119	127257	4.762	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	111713	4.839	ug/l	98
85) sec-Butylbenzene	14.37	105	158350	5.505	ug/l	98
86) p-Isopropyltoluene	14.49	119	139837	5.310	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	65960	4.405	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	75355	5.337	ug/l	95
89) n-Butylbenzene	14.80	91	125947	5.256	ug/l	96
90) Hexachloroethane	15.01	117	33985	4.621	ug/l	89
91) 1,2-Dichlorobenzene	14.81	146	66140	5.151	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	2861	3.541	ug/l	78

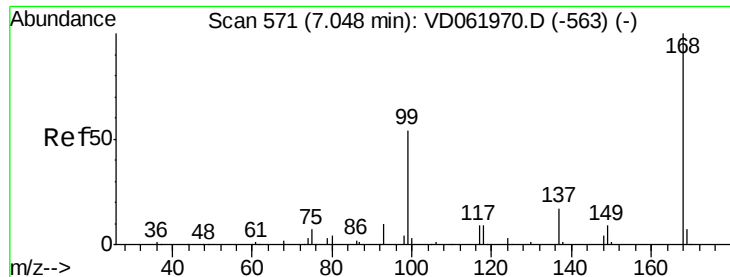
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
Data File : VD061962.D
Acq On : 23 Apr 2019 10:33
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Apr 23 12:20:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 12:18:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	31926	4.959	ug/l	97
94) Hexachlorobutadiene	16.04	225	23454	5.005	ug/l	97
95) Naphthalene	16.13	128	51356	4.968	ug/l	96
96) 1,2,3-Trichlorobenzene	16.28	180	17324	4.837	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

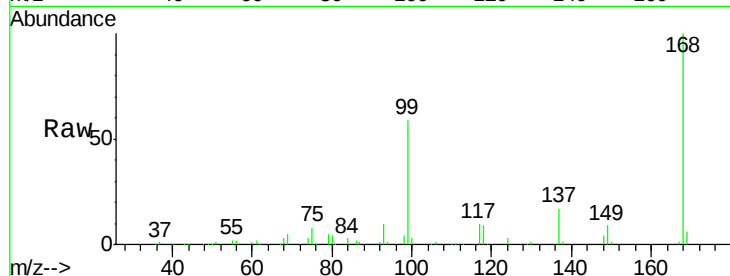
VSTDIC005

Tot Ion:168 Resp: 699243

Ion Ratio Lower Upper

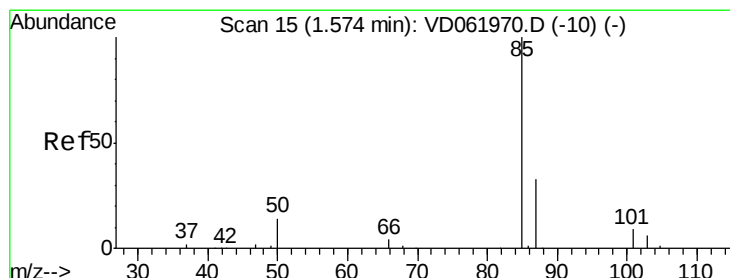
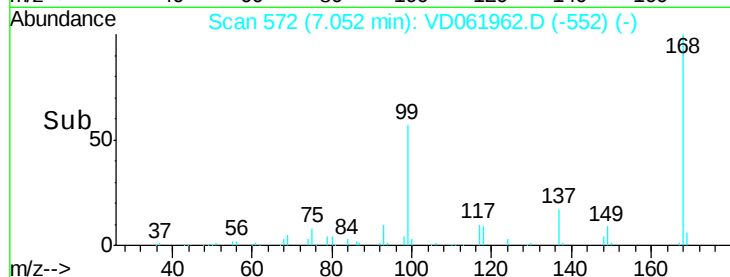
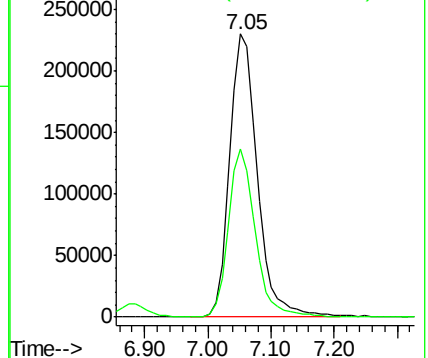
168 100

99 59.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 5.265 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.00 min

Lab File: VD061962.D

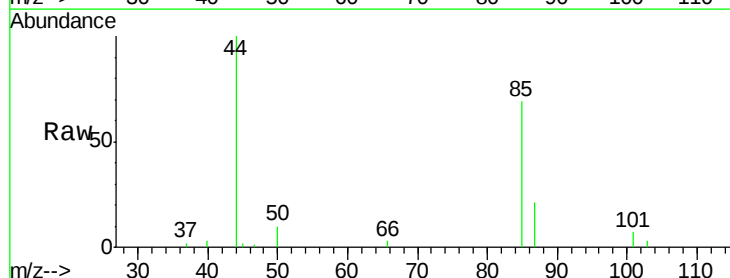
Acq: 23 Apr 2019 10:33

Tgt Ion: 85 Resp: 35519

Ion Ratio Lower Upper

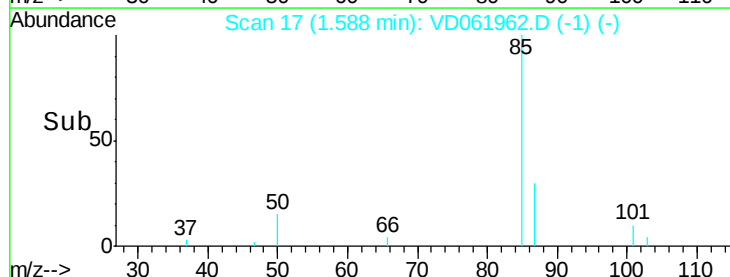
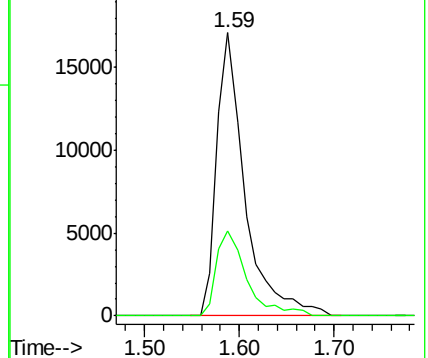
85 100

87 30.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

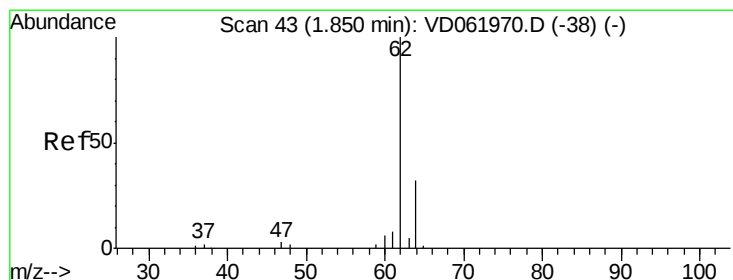
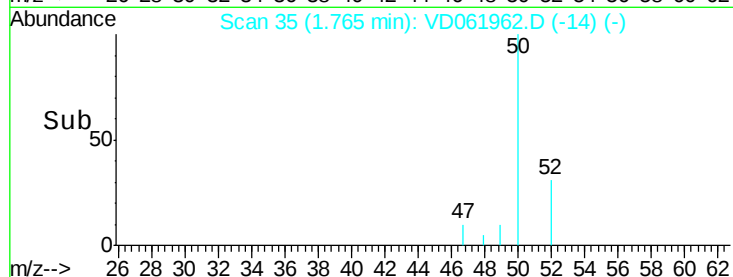
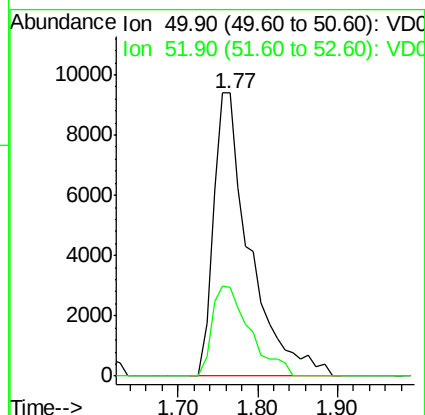
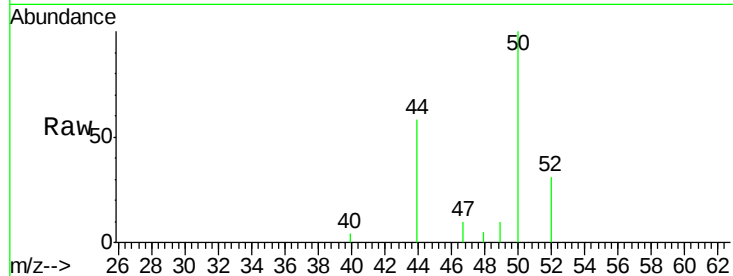




#3
 Chloromethane
 Concen: 5.609 ug/l
 RT: 1.77 min Scan# 35
 Delta R.T. 0.01 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

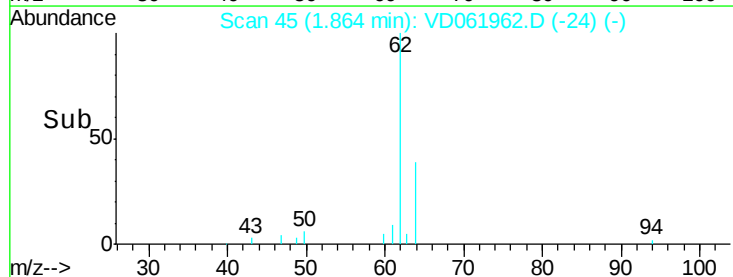
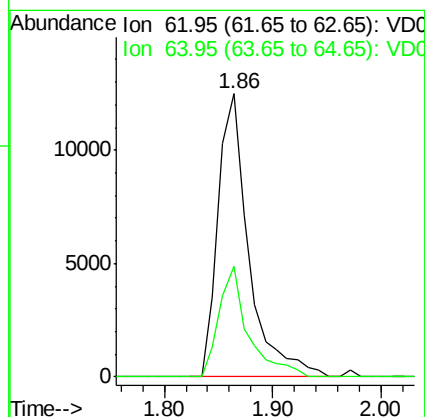
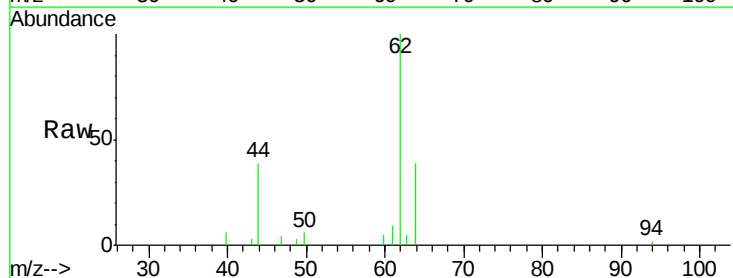
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

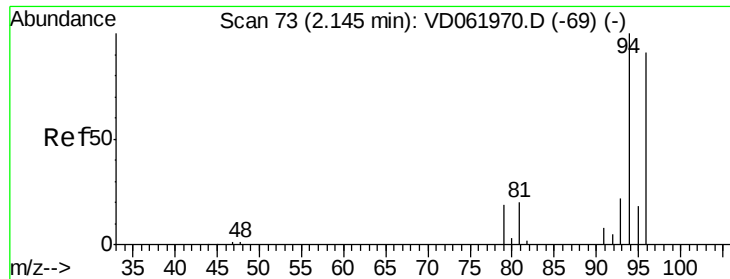
Tot Ion: 50 Resp: 29829
 Ion Ratio Lower Upper
 50 100
 52 31.4 25.2 37.8



#4
 Vinyl Chloride
 Concen: 5.161 ug/l
 RT: 1.86 min Scan# 45
 Delta R.T. 0.01 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

Tgt Ion: 62 Resp: 24603
 Ion Ratio Lower Upper
 62 100
 64 39.0 26.5 39.7

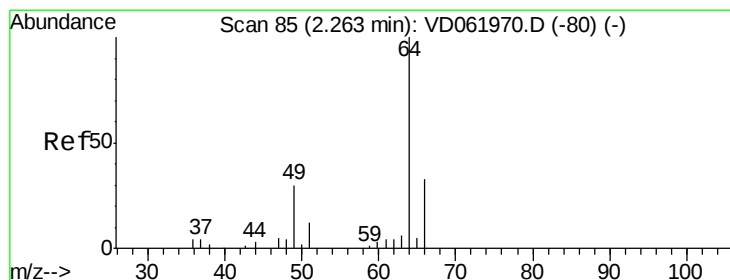
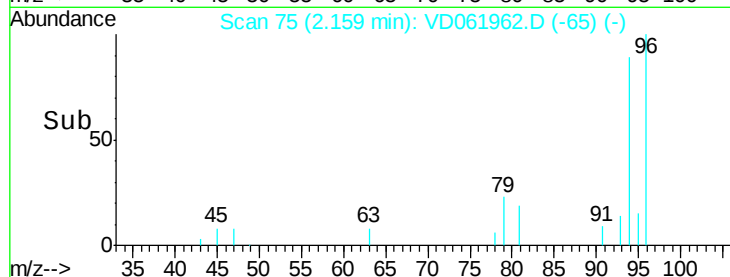
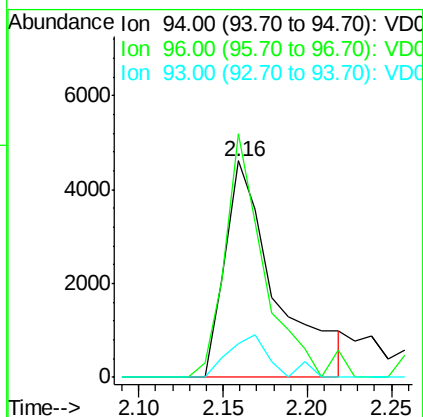
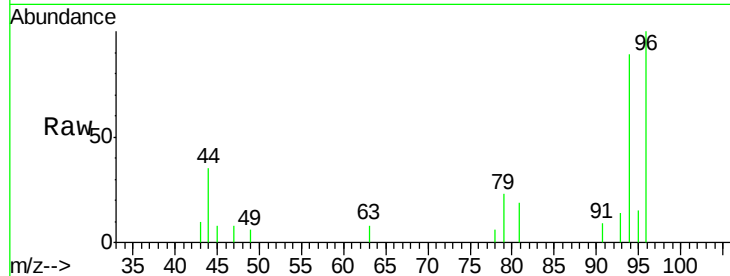




#5
Bromomethane
Concen: 6.582 ug/l
RT: 2.16 min Scan# 75
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

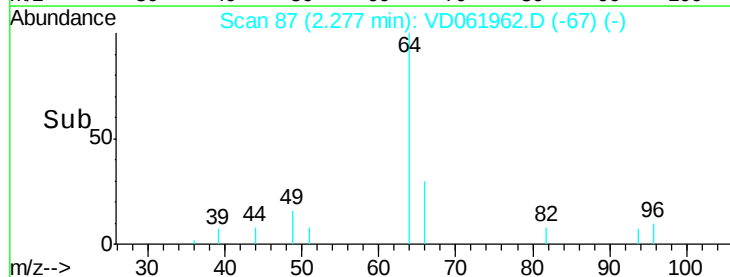
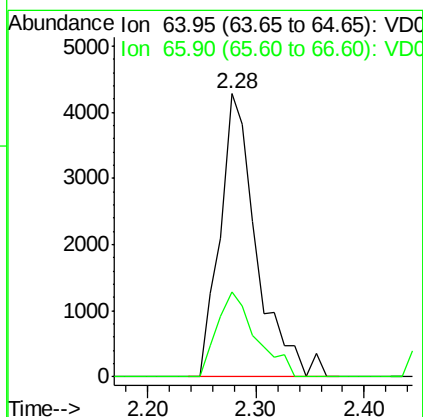
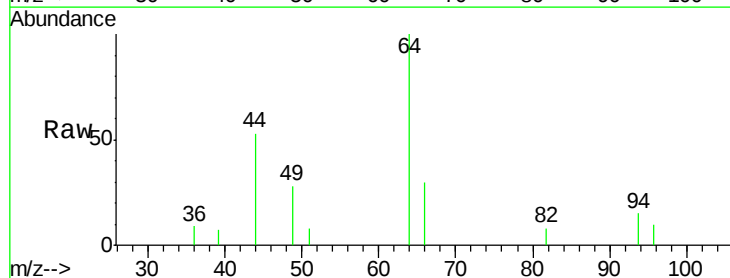
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

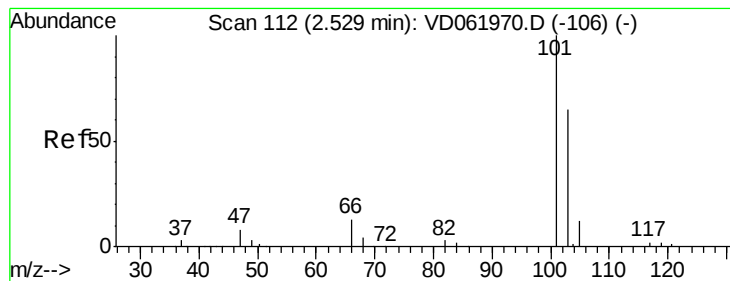
Tot Ion: 94 Resp: 9675
Ion Ratio Lower Upper
94 100
96 112.5 76.6 115.0
93 15.4 18.5 27.7#



#6
Chloroethane
Concen: 5.536 ug/l
RT: 2.28 min Scan# 87
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Tgt Ion: 64 Resp: 10052
Ion Ratio Lower Upper
64 100
66 30.0 25.6 38.4





#7

Trichlorofluoromethane

Concen: 4.987 ug/l

RT: 2.54 min Scan# 114

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

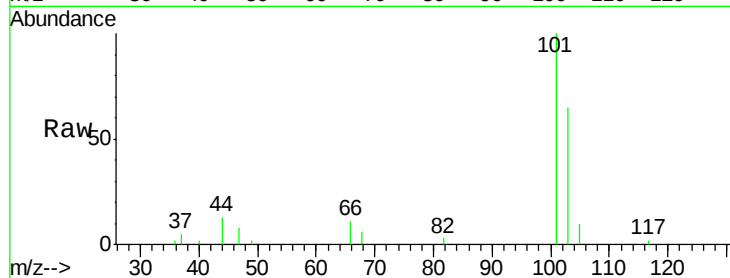
VSTDIC005

Tot Ion:101 Resp: 38504

Ion Ratio Lower Upper

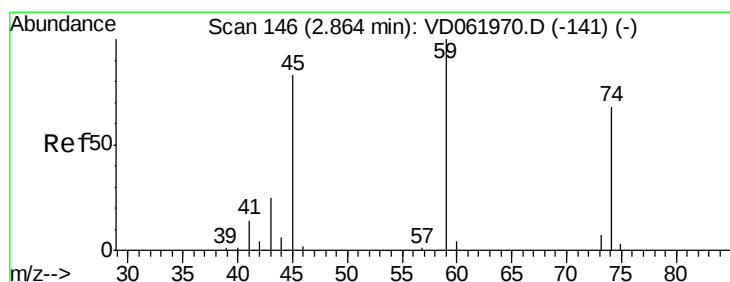
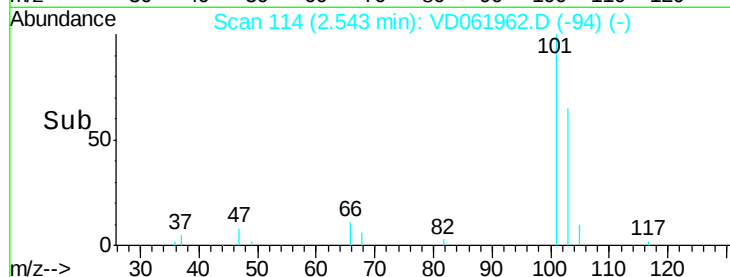
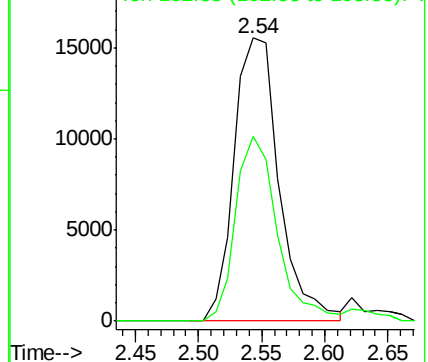
101 100

103 65.2 53.6 80.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 4.783 ug/l

RT: 2.88 min Scan# 148

Delta R.T. -0.00 min

Lab File: VD061962.D

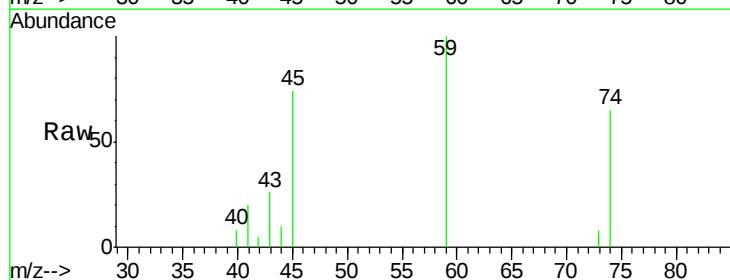
Acq: 23 Apr 2019 10:33

Tgt Ion: 74 Resp: 9681

Ion Ratio Lower Upper

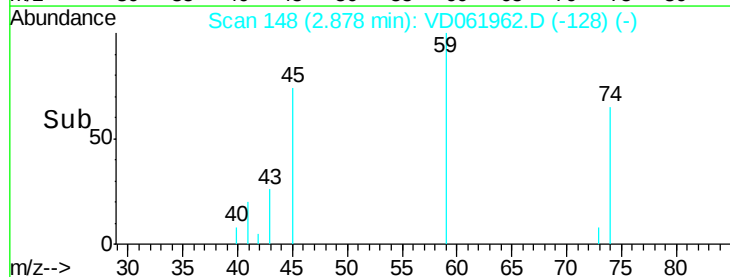
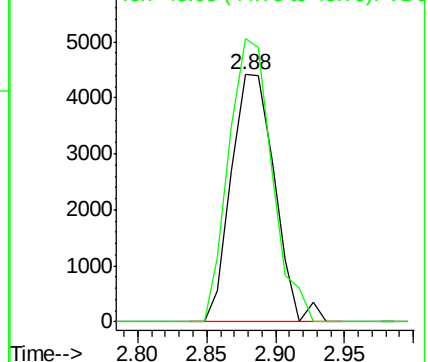
74 100

45 114.5 56.9 170.7



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: 5.330 ug/l

RT: 3.16 min Scan# 177

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

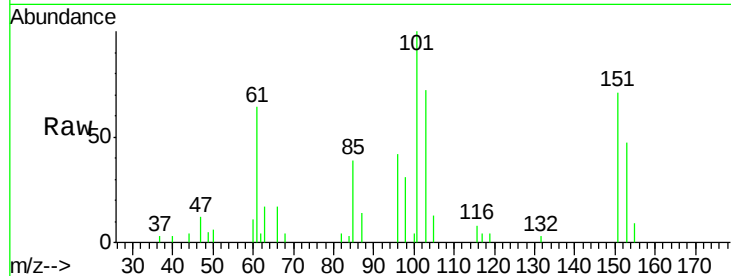
Tot Ion:101 Resp: 36605

Ion Ratio Lower Upper

101 100

85 39.1 32.4 48.6

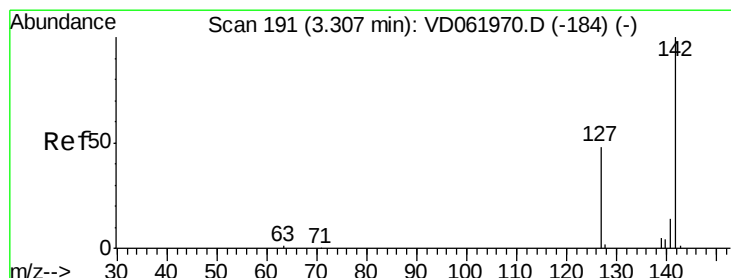
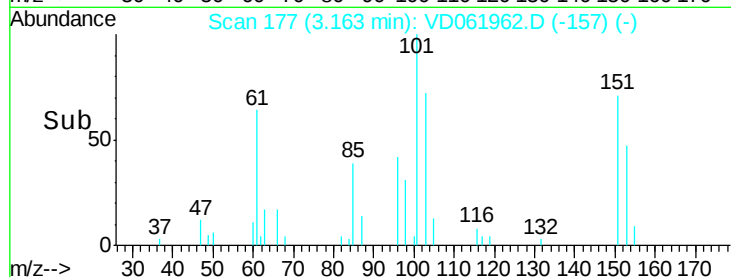
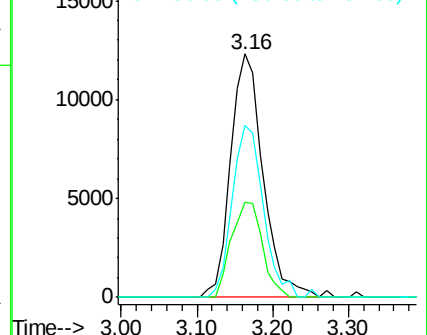
151 70.6 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 3.137 ug/l

RT: 3.32 min Scan# 193

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

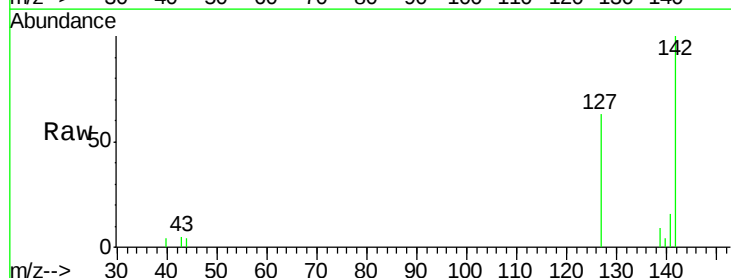
Tgt Ion:142 Resp: 31845

Ion Ratio Lower Upper

142 100

127 63.1 38.8 58.2#

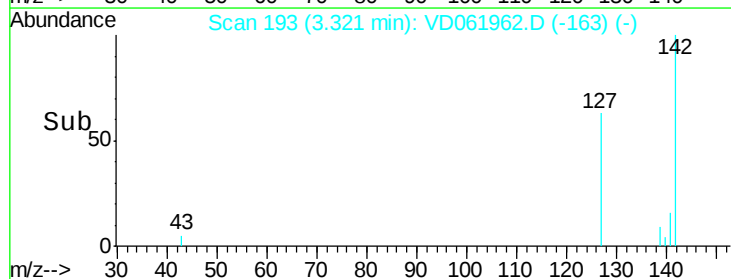
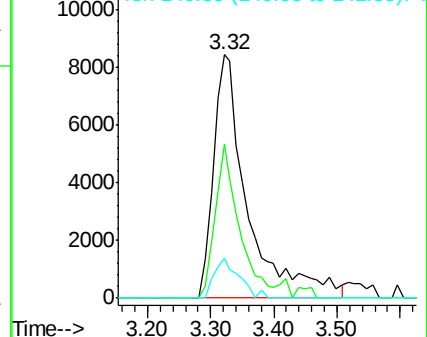
141 16.3 11.4 17.0

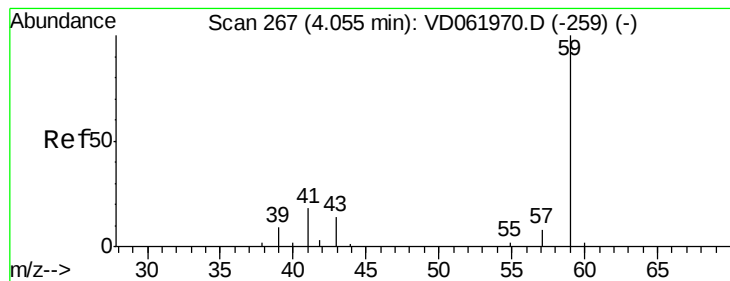


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



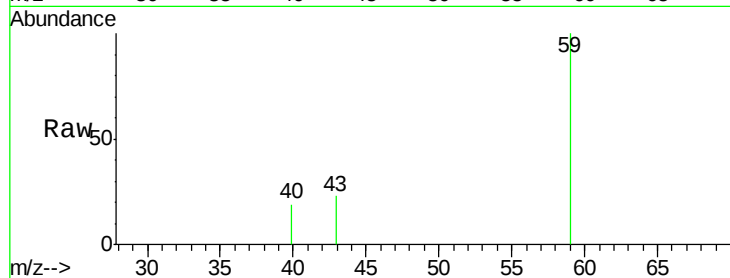


#11

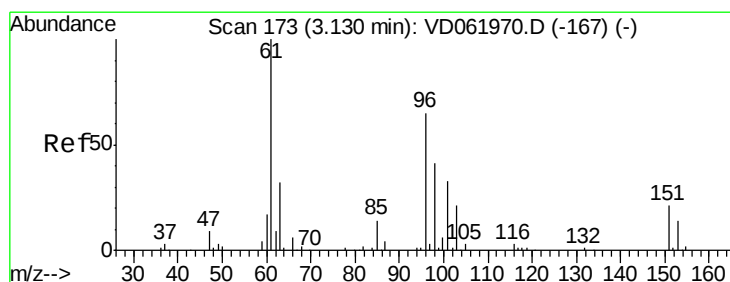
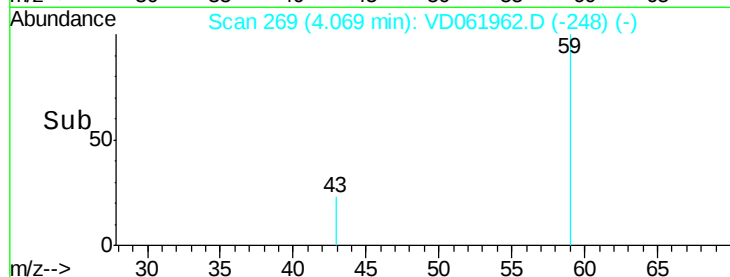
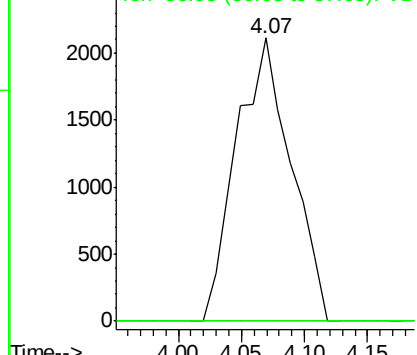
Tert butyl alcohol
 Concen: 18.198 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 6369
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#



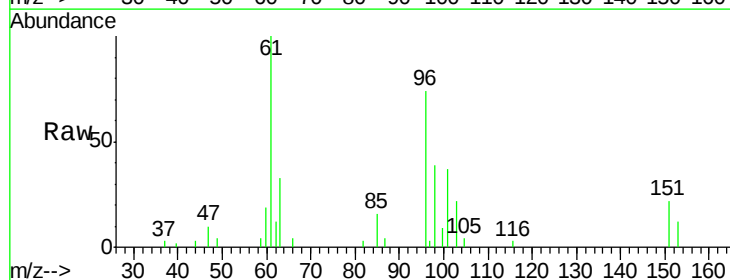
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



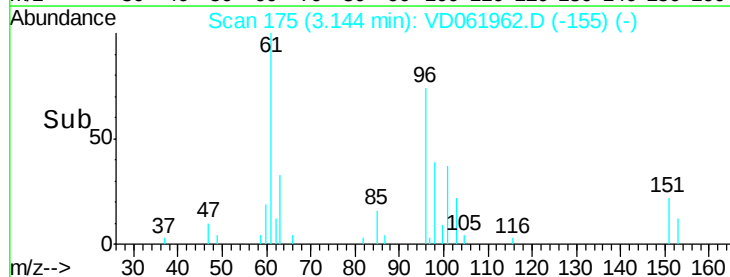
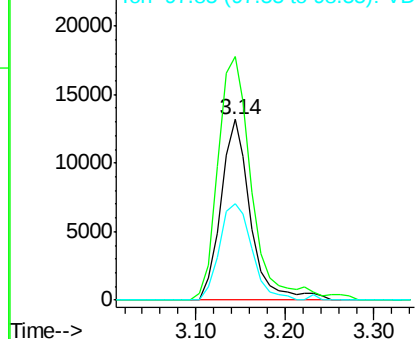
#12

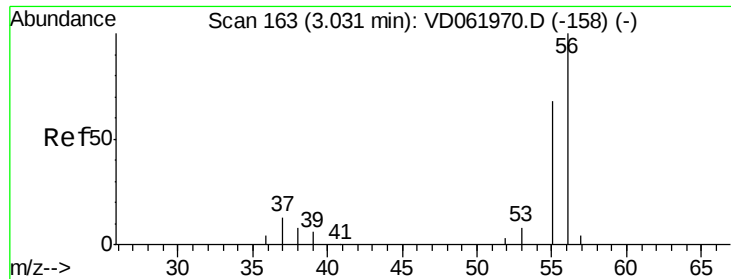
1,1-Dichloroethene
 Concen: 5.526 ug/l
 RT: 3.14 min Scan# 175
 Delta R.T. -0.00 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

Tgt Ion: 96 Resp: 30748
 Ion Ratio Lower Upper
 96 100
 61 135.0 129.8 194.8
 98 53.1 51.2 76.8



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: 29.799 ug/l

RT: 3.05 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

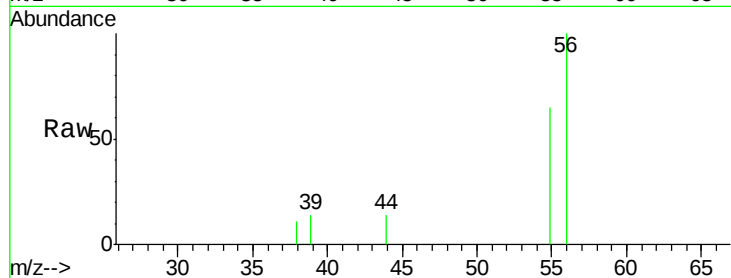
VSTDIC005

Tot Ion: 56 Resp: 7613

Ion Ratio Lower Upper

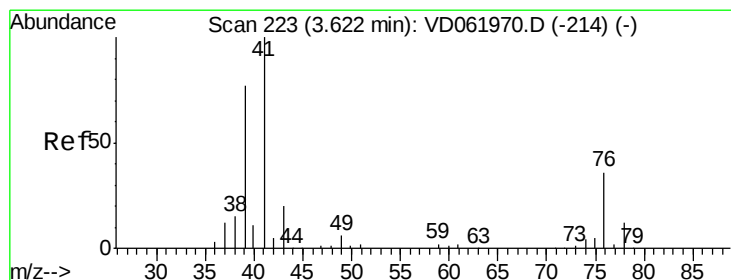
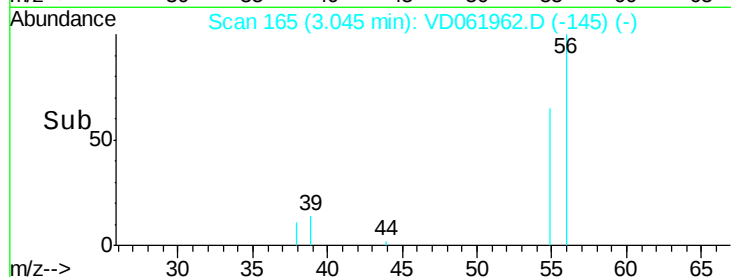
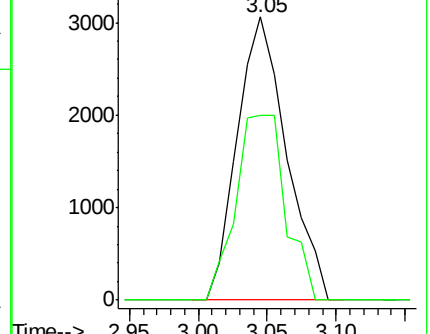
56 100

55 65.2 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.136 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

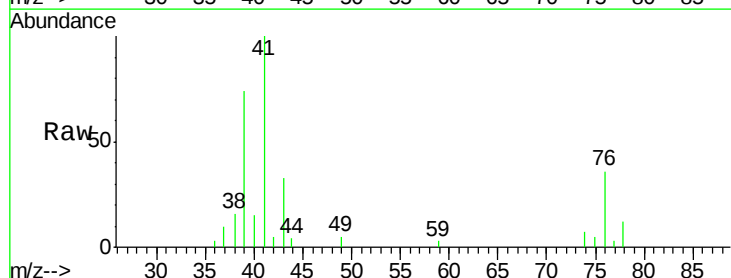
Tgt Ion: 41 Resp: 41750

Ion Ratio Lower Upper

41 100

39 74.1 60.5 90.7

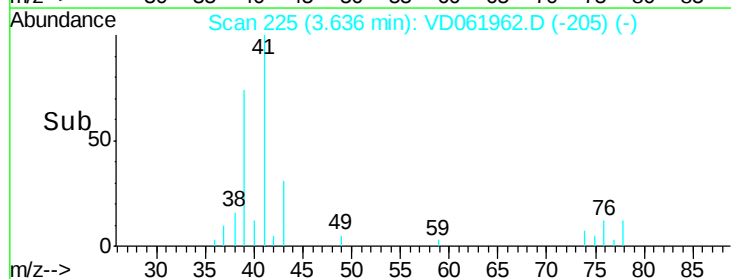
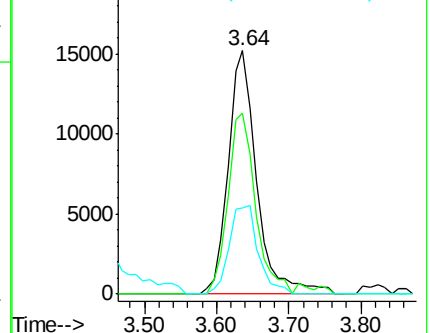
76 35.5 31.8 47.8

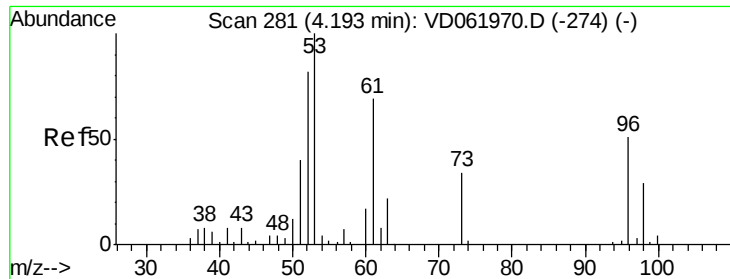


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 21.574 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

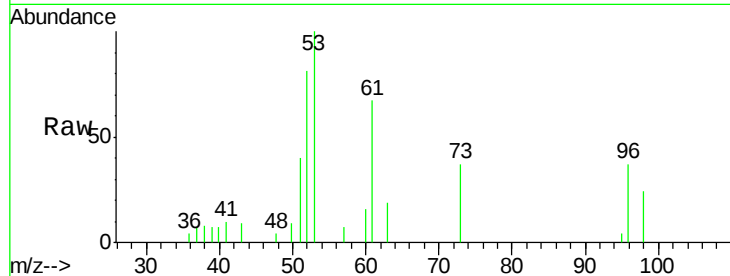
Tot Ion: 53 Resp: 23495

Ion Ratio Lower Upper

53 100

52 81.3 65.0 97.4

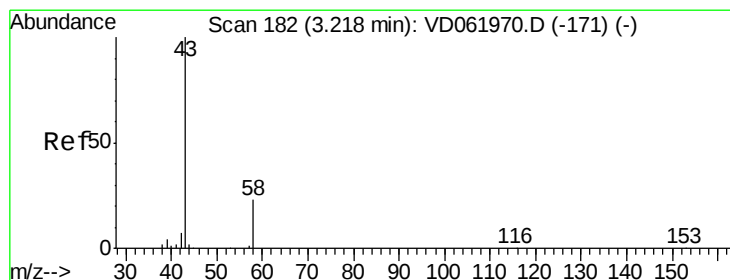
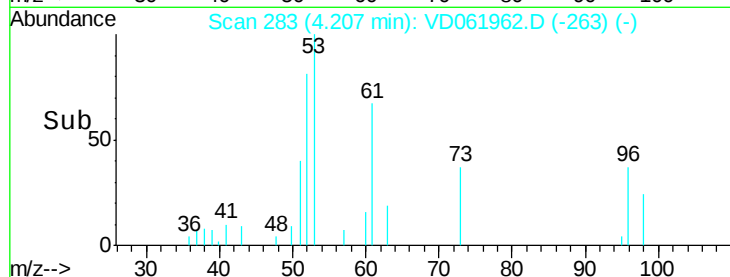
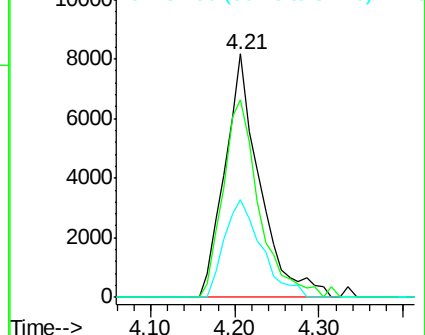
51 40.2 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 25.349 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061962.D

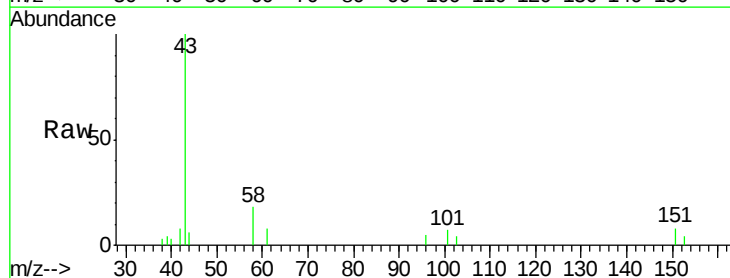
Acq: 23 Apr 2019 10:33

Tgt Ion: 43 Resp: 30867

Ion Ratio Lower Upper

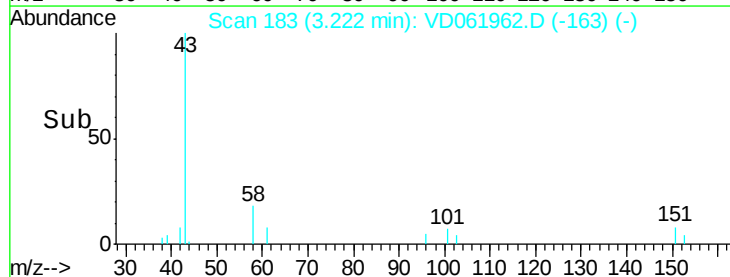
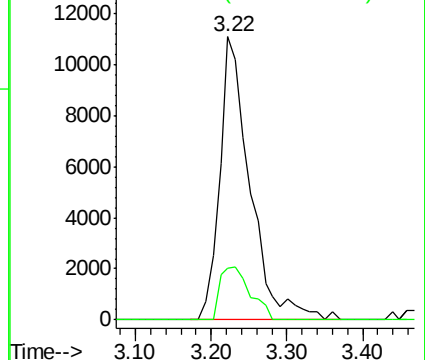
43 100

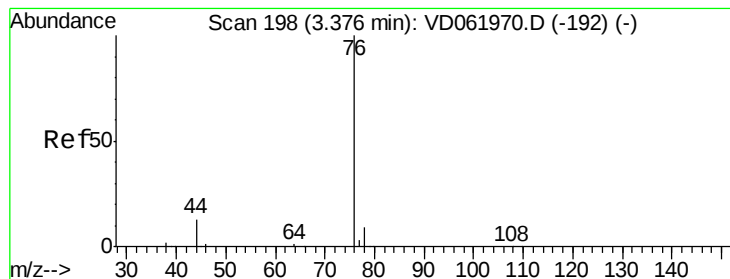
58 18.1 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 5.575 ug/l

RT: 3.39 min Scan# 200

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

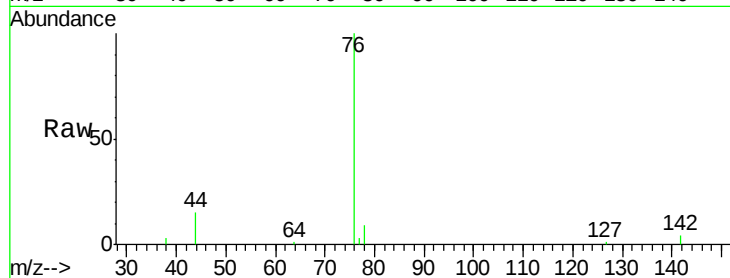
VSTDIC005

Tot Ion: 76 Resp: 92012

Ion Ratio Lower Upper

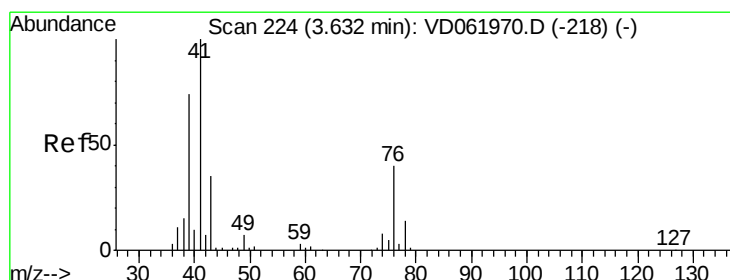
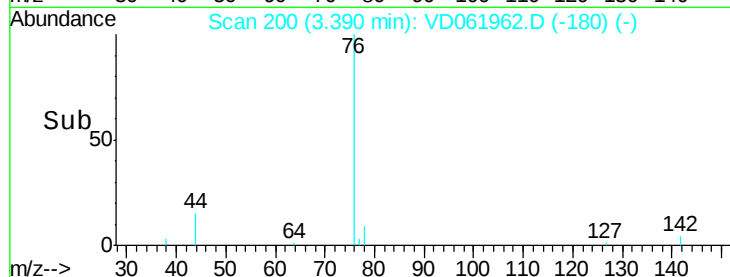
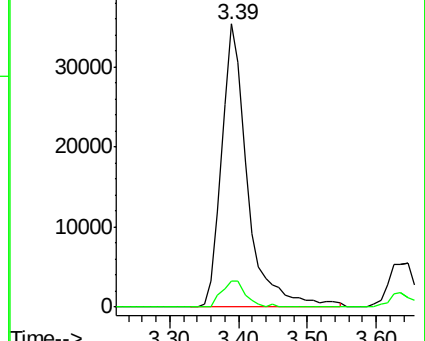
76 100

78 9.3 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 5.766 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD061962.D

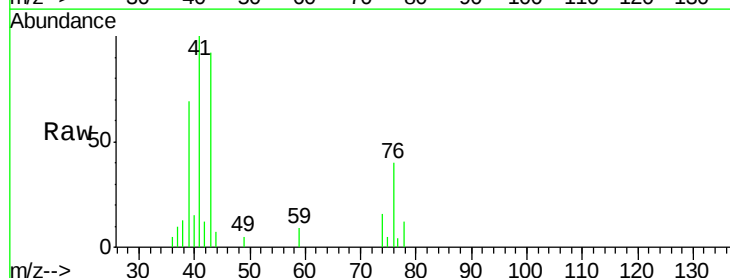
Acq: 23 Apr 2019 10:33

Tgt Ion: 43 Resp: 17732

Ion Ratio Lower Upper

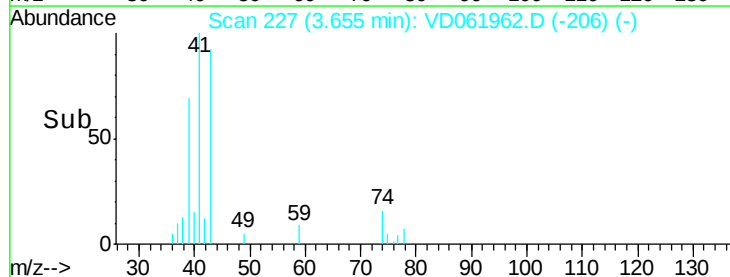
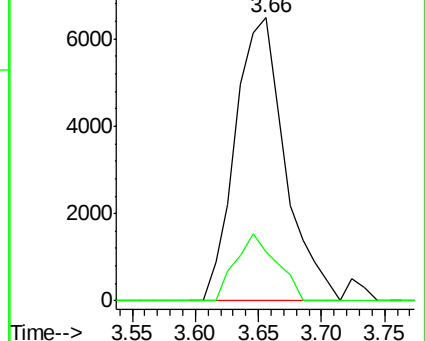
43 100

74 17.6 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

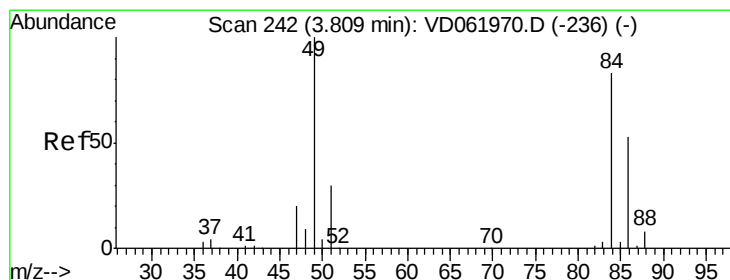
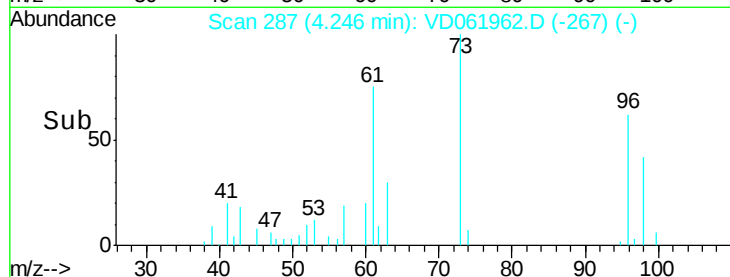
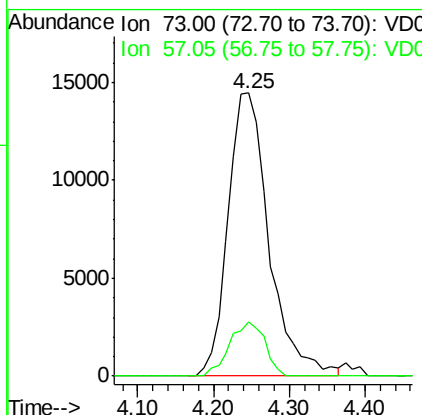
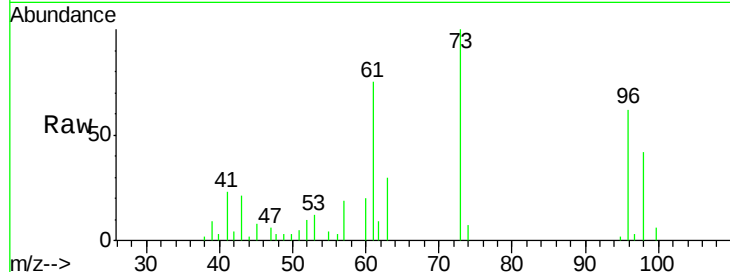




#19
Methyl tert-butyl Ether
Concen: 4.219 ug/l
RT: 4.25 min Scan# 287
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

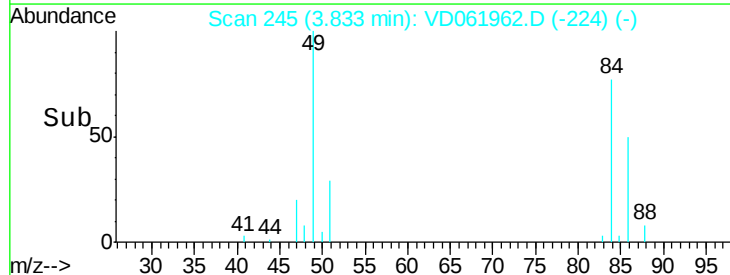
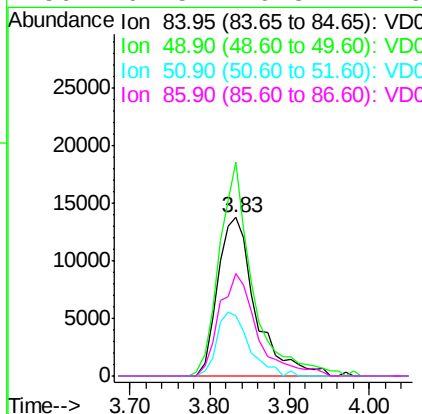
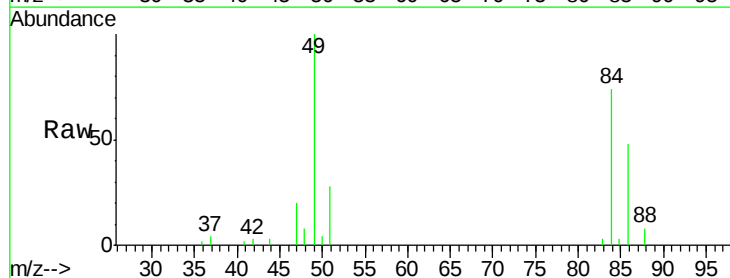
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

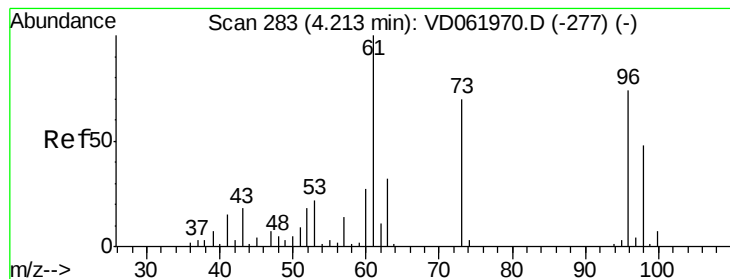
Tot Ion: 73 Resp: 54160
Ion Ratio Lower Upper
73 100
57 19.3 16.3 24.5



#20
Methylene Chloride
Concen: 5.834 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Tgt Ion: 84 Resp: 45652
Ion Ratio Lower Upper
84 100
49 134.7 94.0 141.0
51 38.2 29.0 43.4
86 64.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 4.862 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

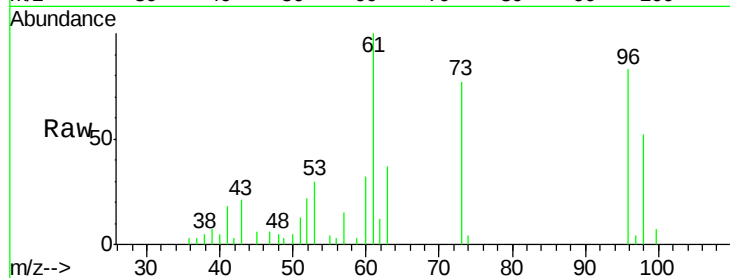
Tot Ion: 96 Resp: 32970

Ion Ratio Lower Upper

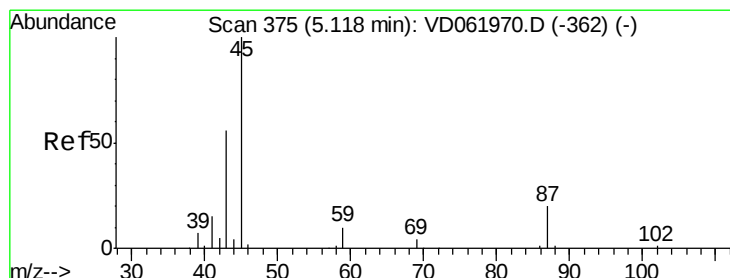
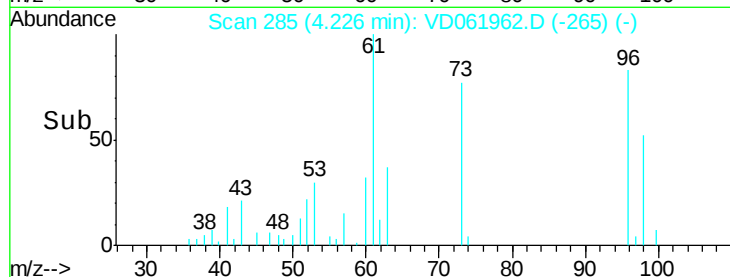
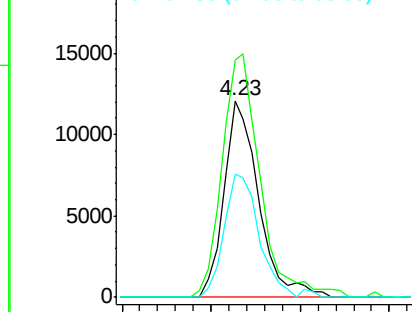
96 100

61 120.5 104.4 156.6

98 62.7 51.8 77.8



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



#22

Diisopropyl ether

Concen: 5.020 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Tgt Ion: 45 Resp: 100805

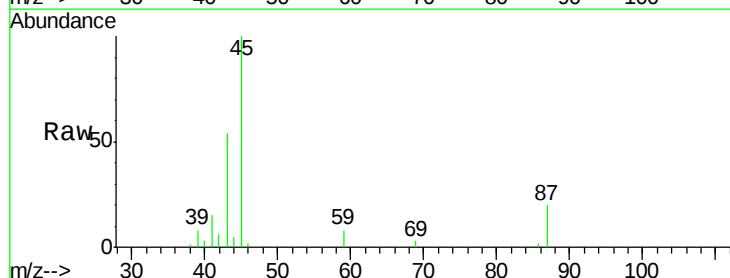
Ion Ratio Lower Upper

45 100

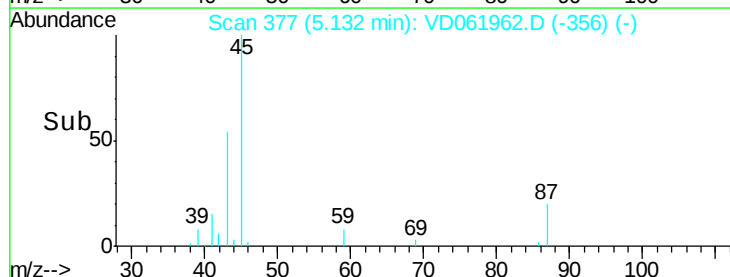
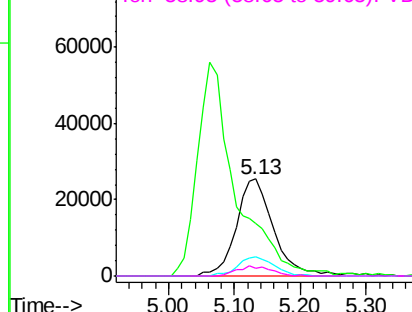
43 53.5 46.2 69.2

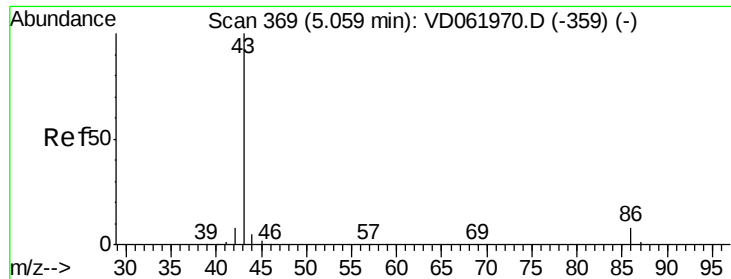
87 20.0 15.9 23.9

59 8.1 7.9 11.9



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

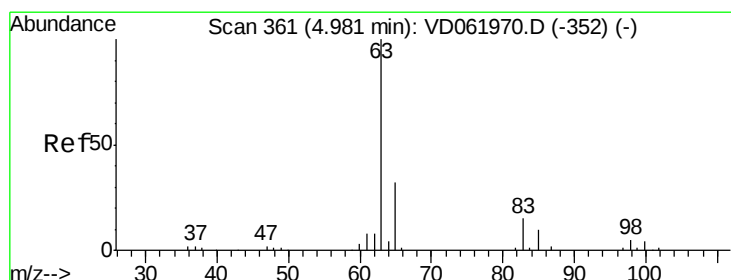
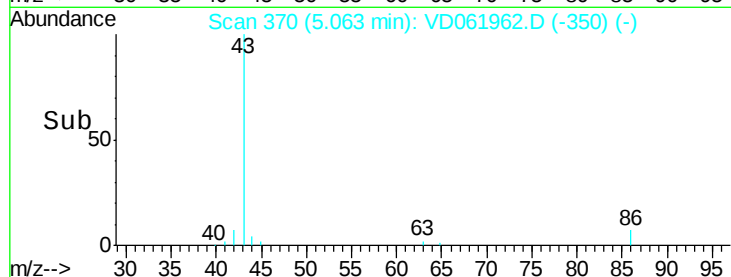
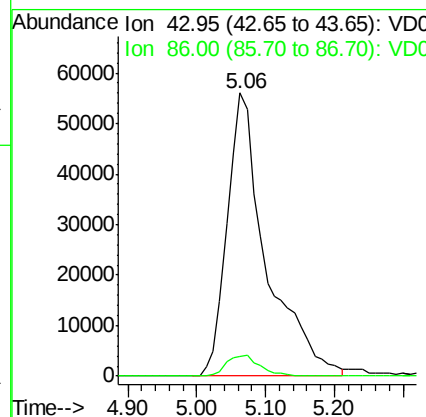
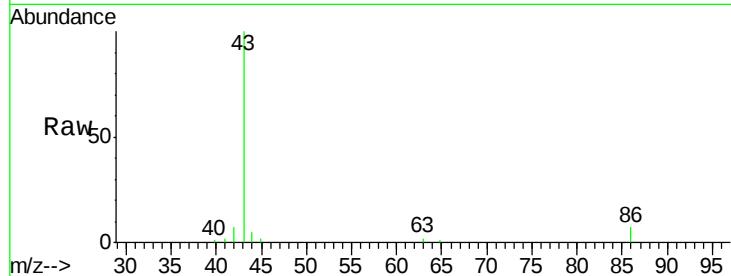




#23
 Vinyl Acetate
 Concen: 20.675 ug/l
 RT: 5.06 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

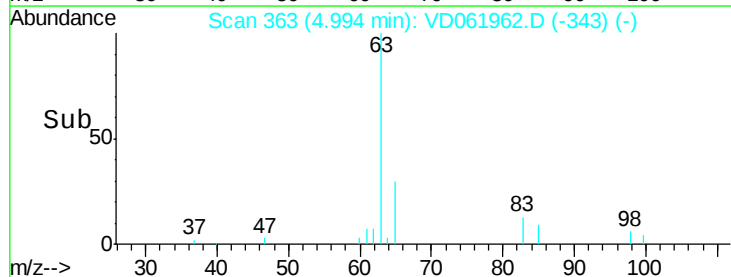
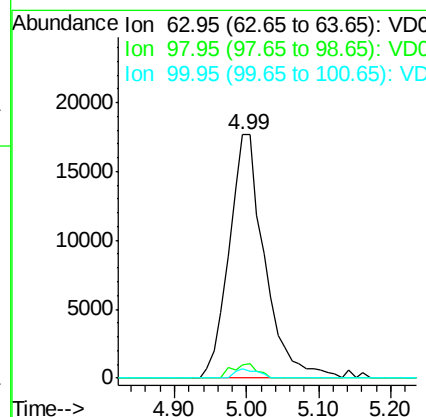
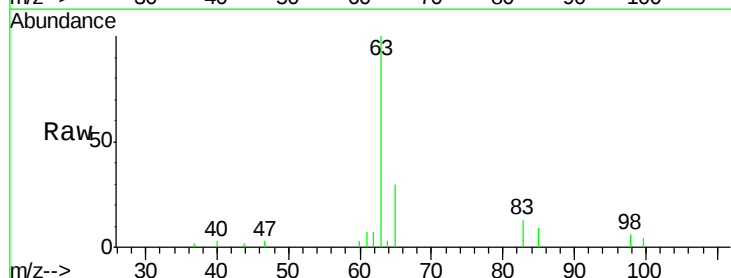
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

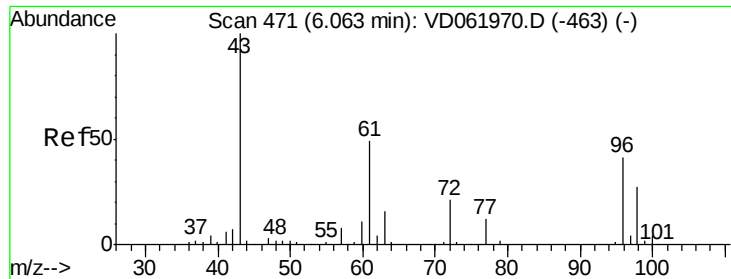
Tot Ion: 43 Resp: 221105
 Ion Ratio Lower Upper
 43 100
 86 7.2 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 5.125 ug/l
 RT: 4.99 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

Tgt Ion: 63 Resp: 60572
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.4
 100 3.9 1.8 5.5

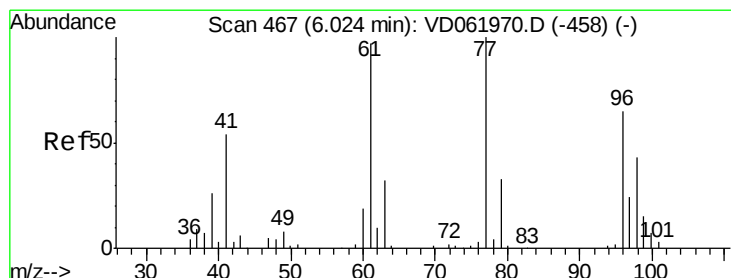
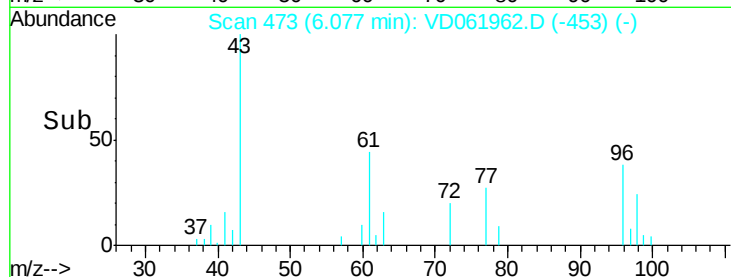
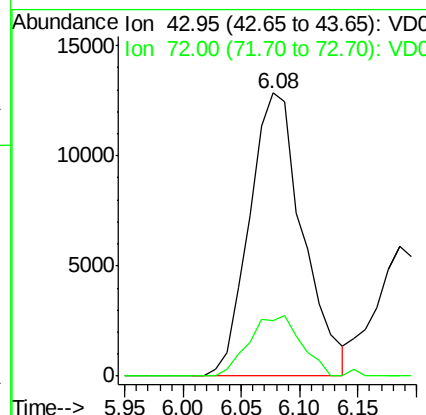
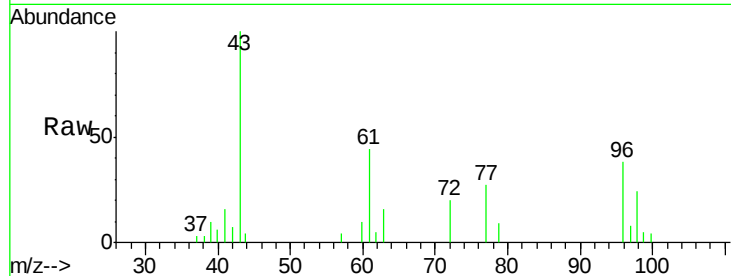




#25
2-Butanone
Concen: 24.040 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

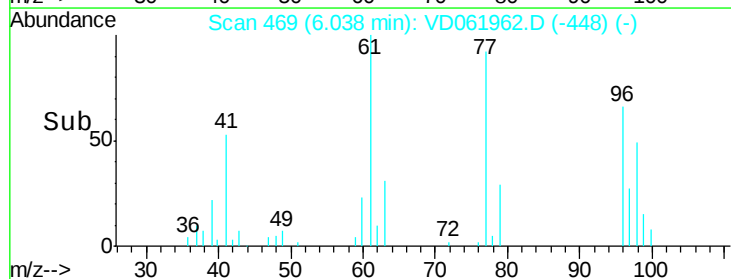
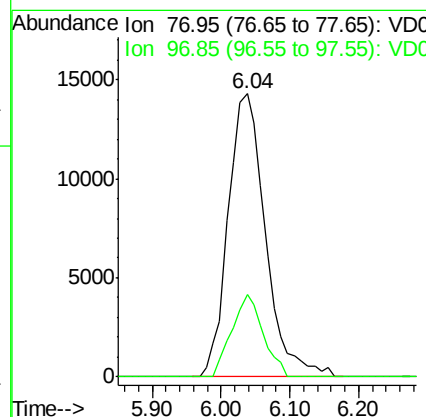
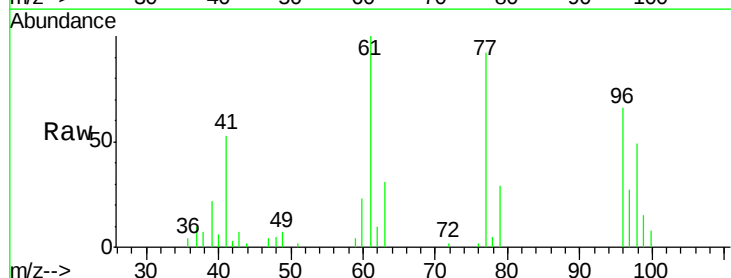
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

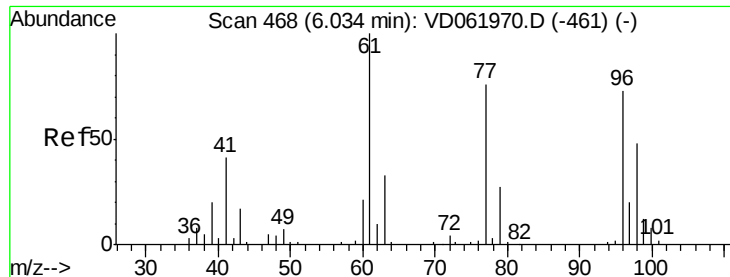
Tot Ion: 43 Resp: 40782
Ion Ratio Lower Upper
43 100
72 19.8 16.2 24.4



#26
2,2-Dichloropropane
Concen: 5.501 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.01 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Tgt Ion: 77 Resp: 53668
Ion Ratio Lower Upper
77 100
97 29.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 5.037 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

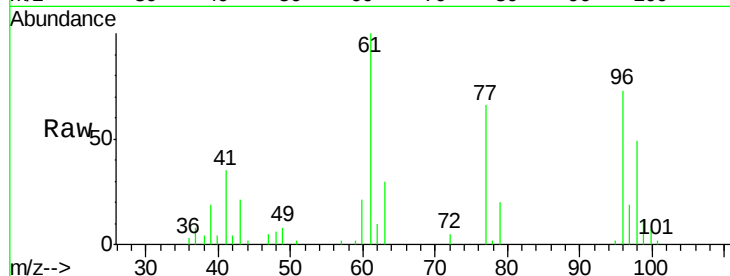
Tot Ion: 96 Resp: 40308

Ion Ratio Lower Upper

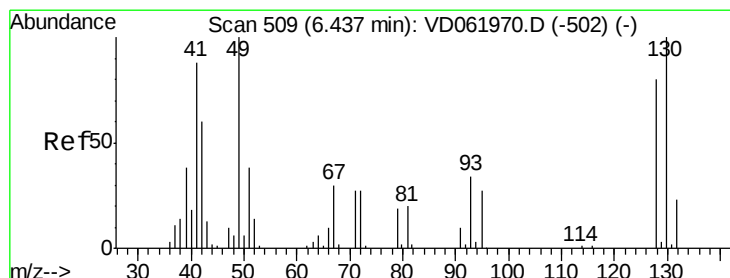
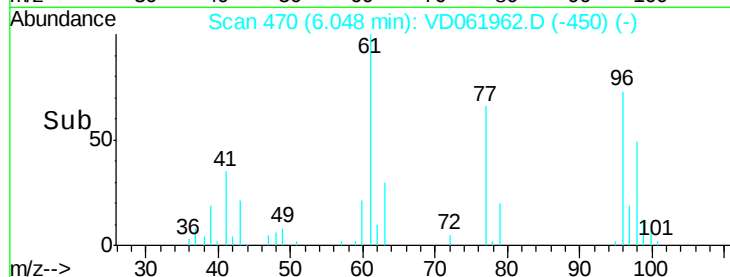
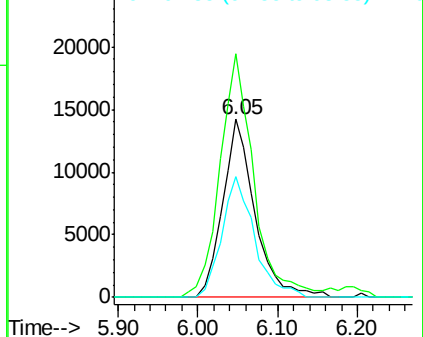
96 100

61 136.9 0.0 279.8

98 67.7 0.0 136.0



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



#28

Bromochloromethane

Concen: 4.753 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

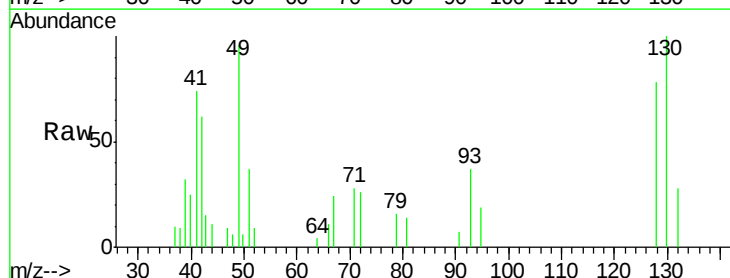
Tgt Ion: 49 Resp: 22138

Ion Ratio Lower Upper

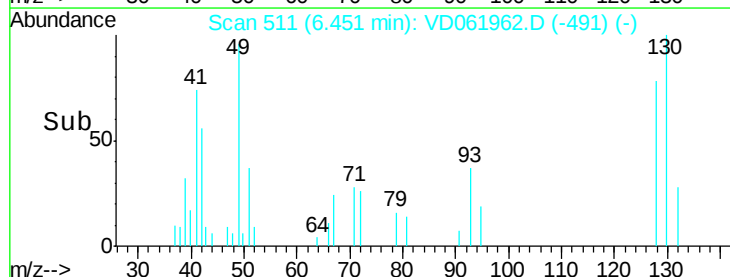
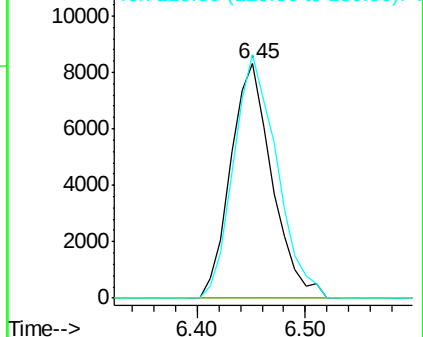
49 100

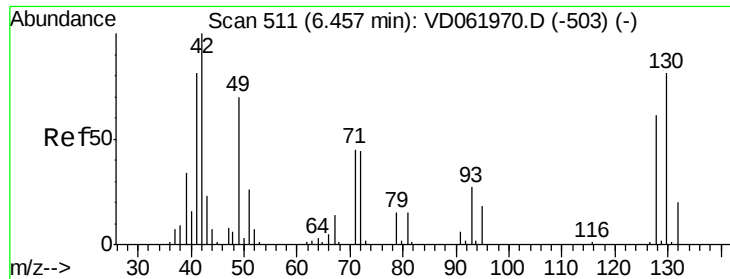
129 0.0 0.0 6.6

130 104.0 86.7 130.1



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: 23.882 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

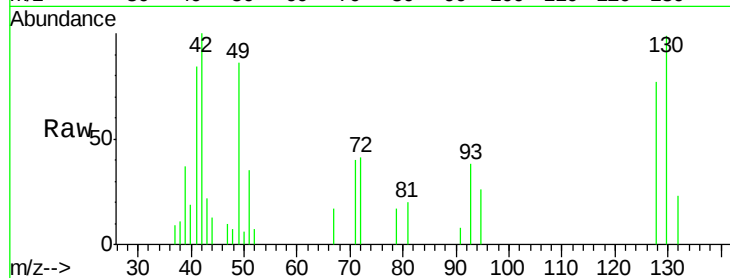
Tot Ion: 42 Resp: 21093

Ion Ratio Lower Upper

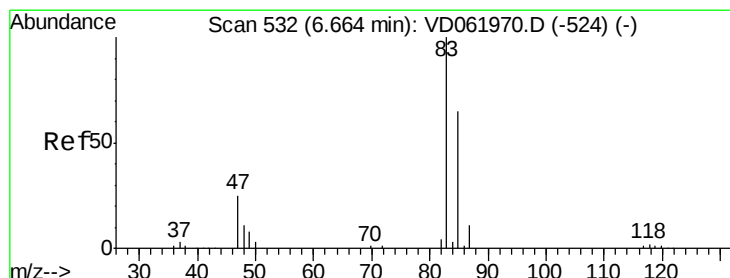
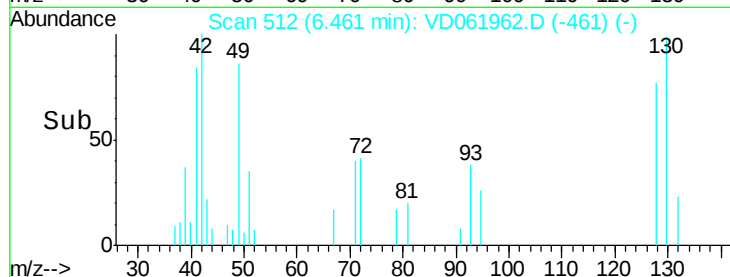
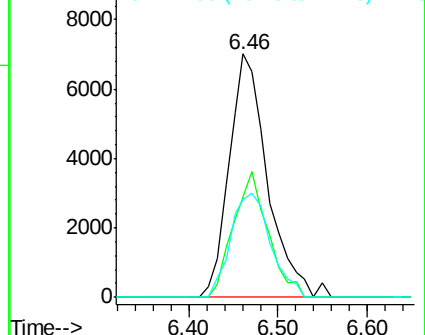
42 100

72 46.5 37.8 56.6

71 44.4 36.7 55.1



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



#30

Chloroform

Concen: 4.598 ug/l

RT: 6.68 min Scan# 534

Delta R.T. -0.00 min

Lab File: VD061962.D

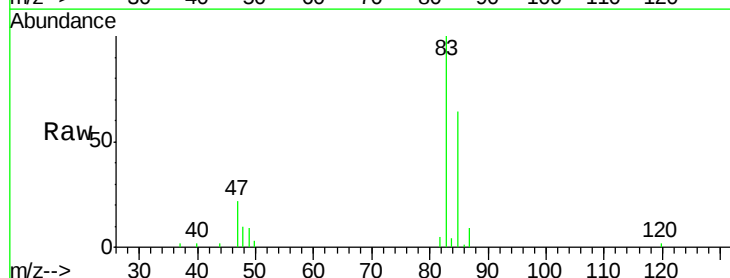
Acq: 23 Apr 2019 10:33

Tgt Ion: 83 Resp: 63775

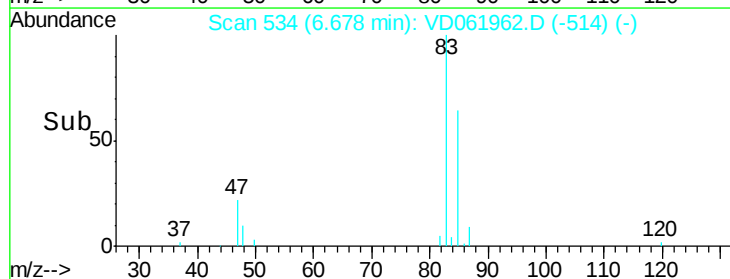
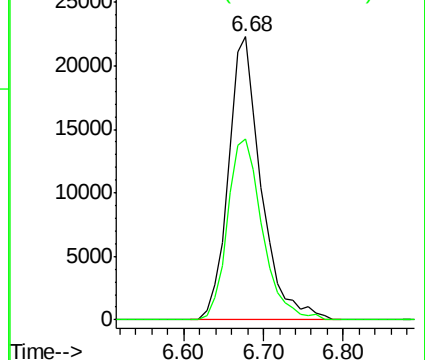
Ion Ratio Lower Upper

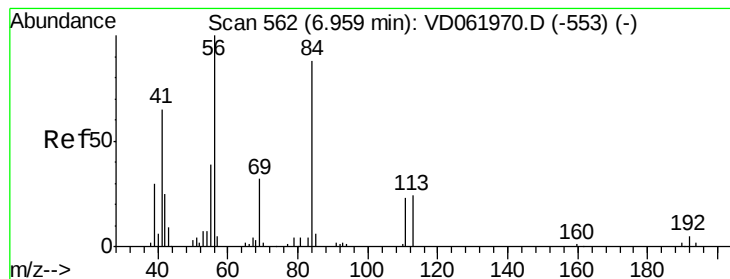
83 100

85 63.8 51.7 77.5



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





#31

Cyclohexane

Concen: 5.652 ug/l

RT: 6.96 min Scan# 563

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

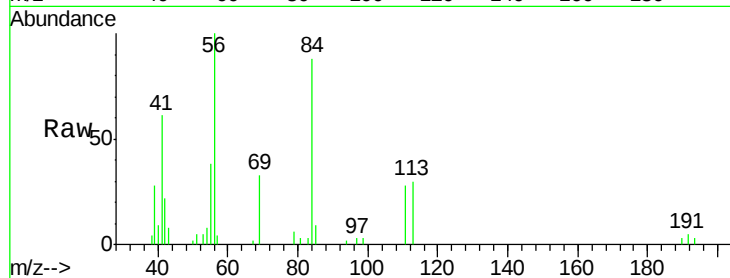
Tot Ion: 56 Resp: 47435

Ion Ratio Lower Upper

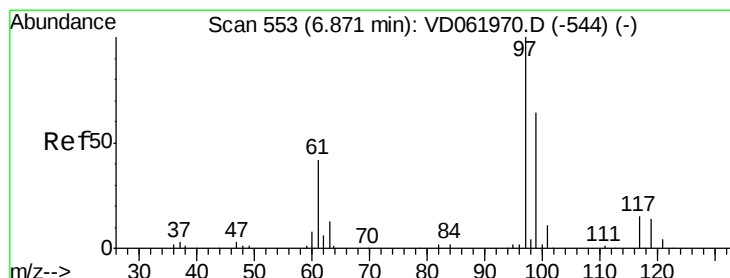
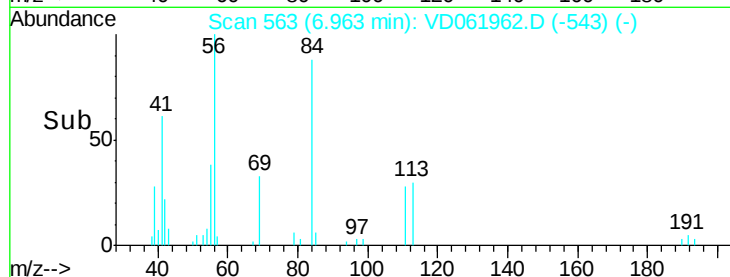
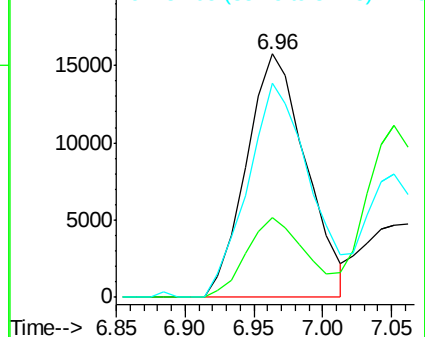
56 100

69 33.0 25.8 38.6

84 88.0 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 4.668 ug/l

RT: 6.87 min Scan# 554

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

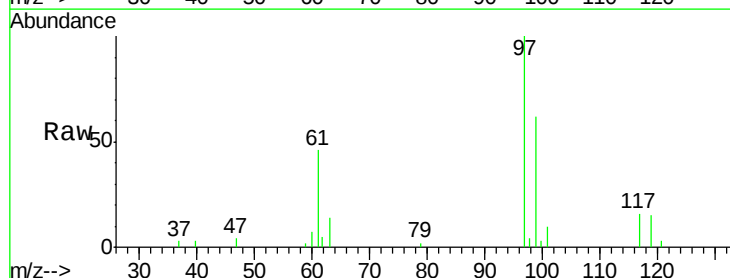
Tgt Ion: 97 Resp: 56611

Ion Ratio Lower Upper

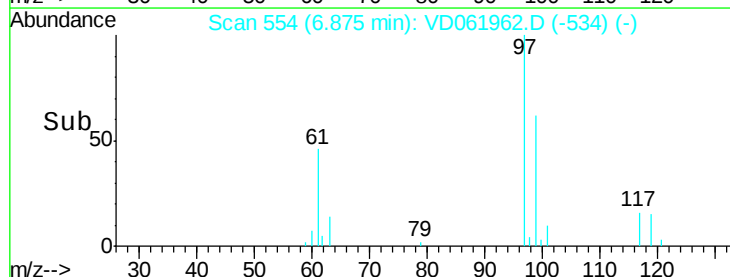
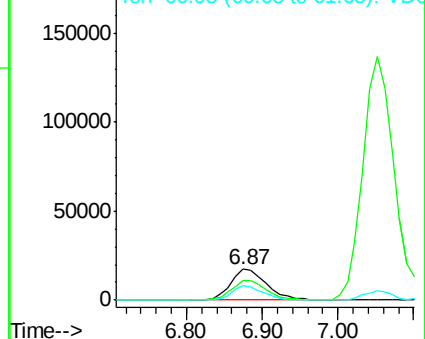
97 100

99 61.8 52.2 78.2

61 45.8 32.4 48.6



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





#33

1,2-Dichloroethane-d4

Concen: 4.668 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

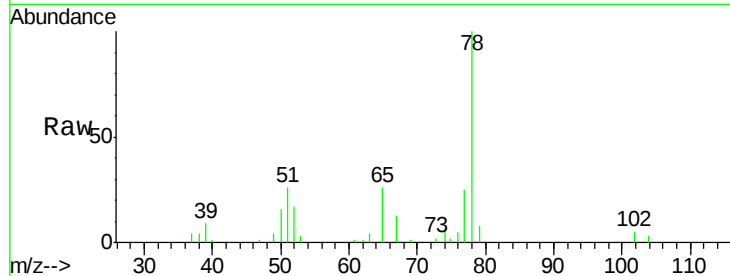
VSTDIC005

Tot Ion: 65 Resp: 27563

Ion Ratio Lower Upper

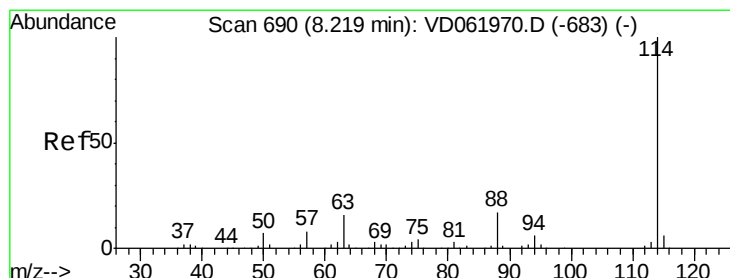
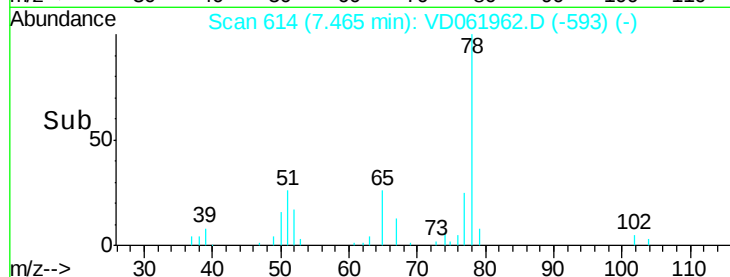
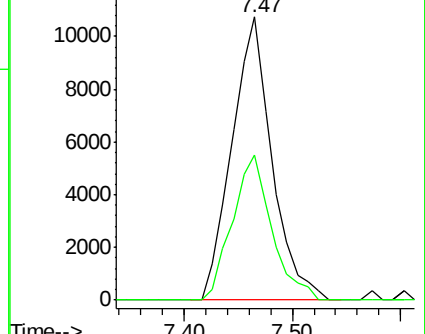
65 100

67 51.4 0.0 98.0



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: VD061962.D

Acq: 23 Apr 2019 10:33

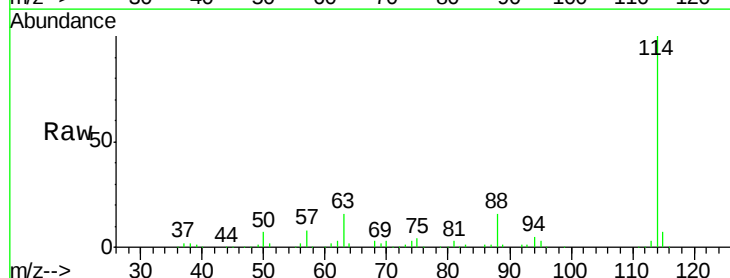
Tgt Ion: 114 Resp: 1181337

Ion Ratio Lower Upper

114 100

63 15.9 0.0 32.4

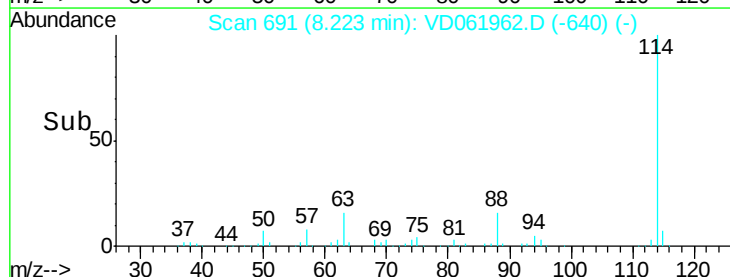
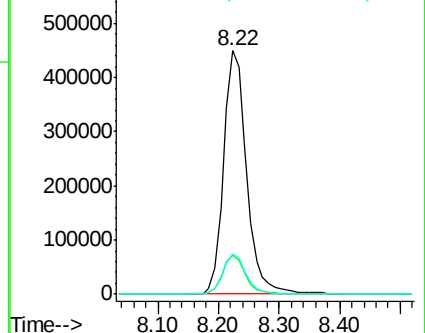
88 16.3 0.0 33.6

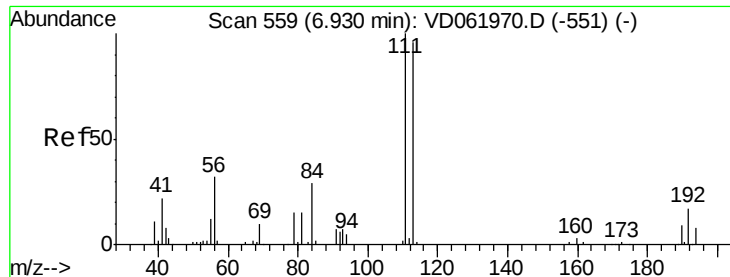


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.93 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

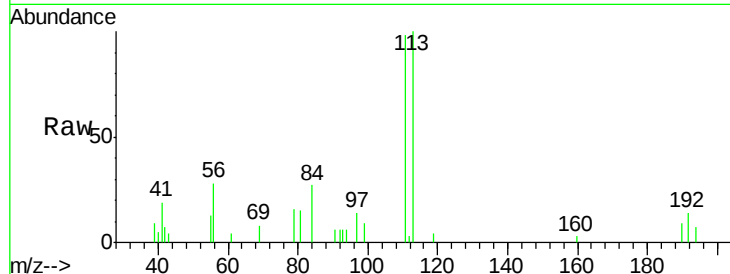
Tot Ion:113 Resp: 40624

Ion Ratio Lower Upper

113 100

111 98.1 78.5 117.7

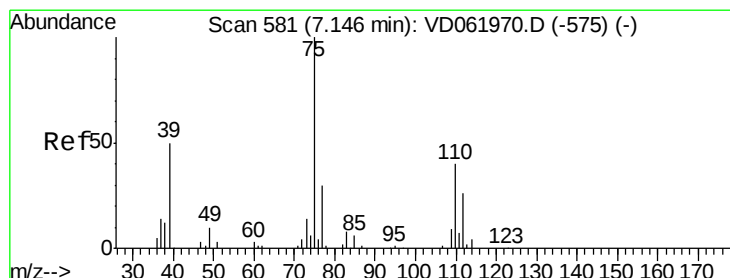
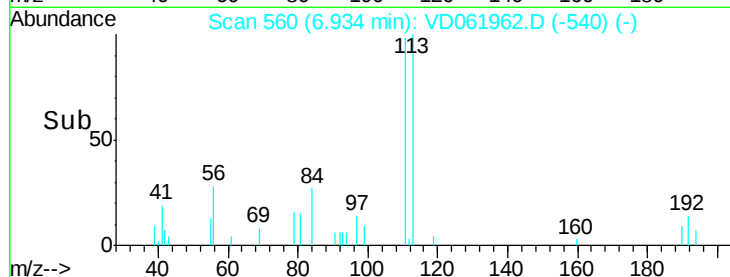
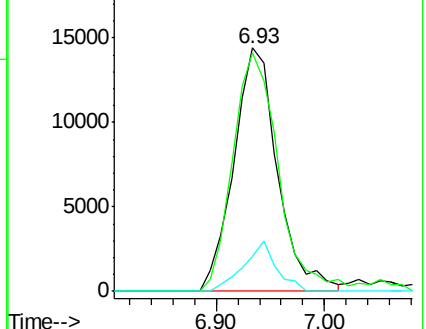
192 14.3 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 5.305 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.01 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

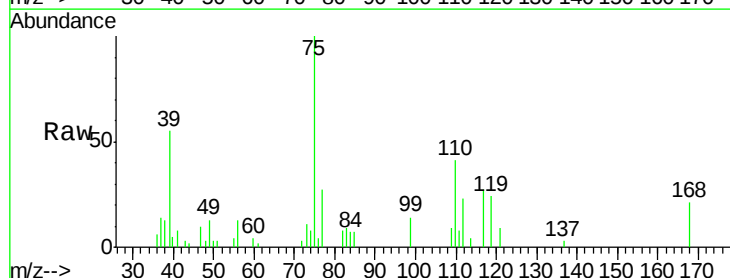
Tgt Ion: 75 Resp: 50207

Ion Ratio Lower Upper

75 100

110 41.1 19.1 57.1

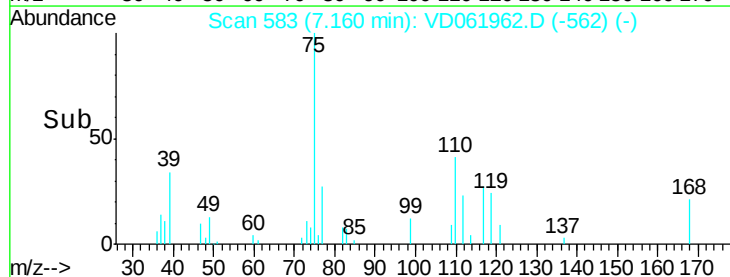
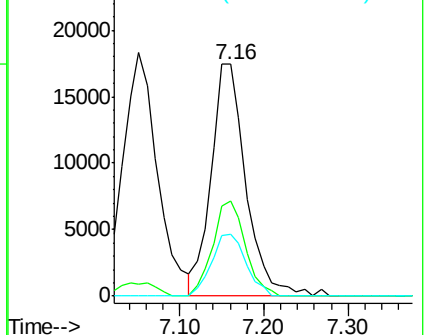
77 26.7 25.6 38.4

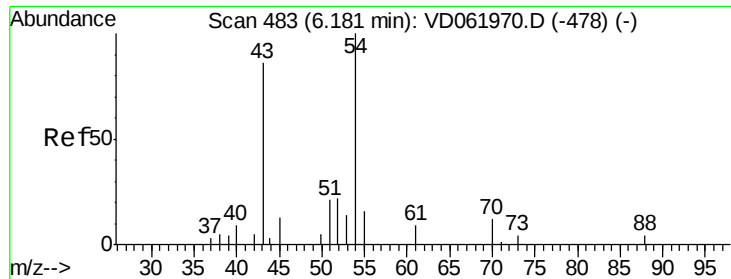


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

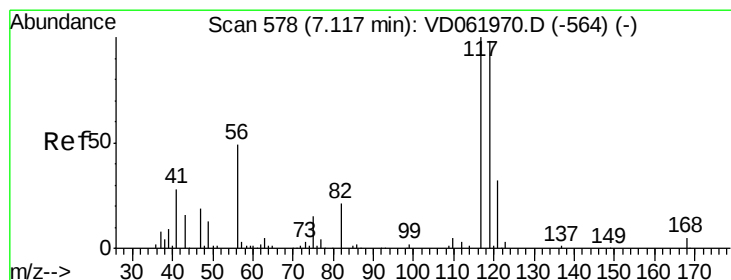
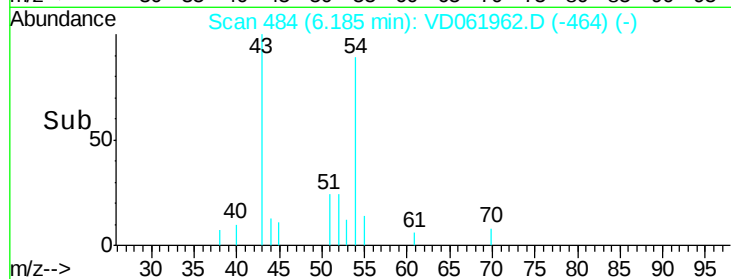
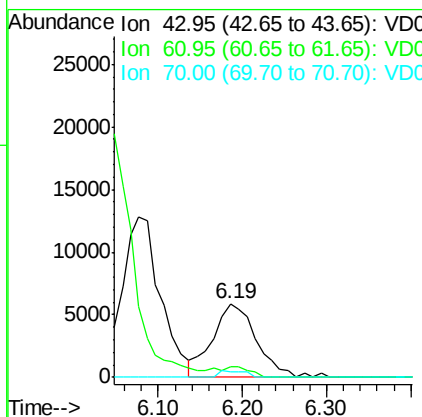
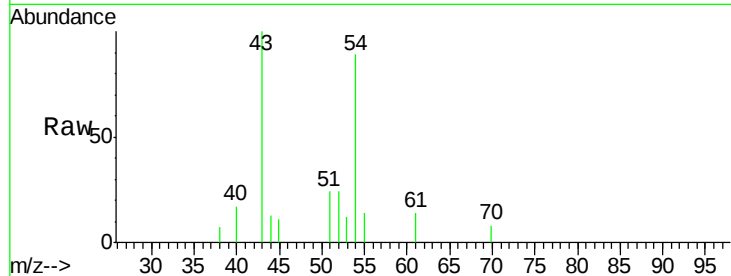




#37
Ethyl Acetate
Concen: 4.873 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

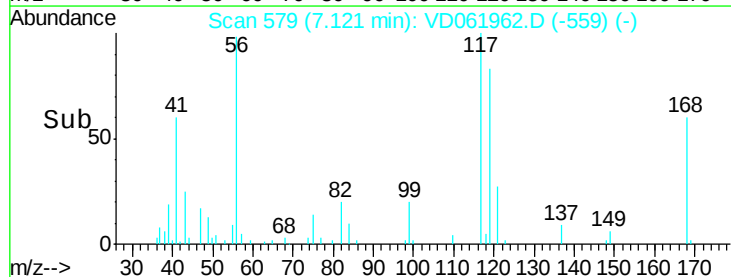
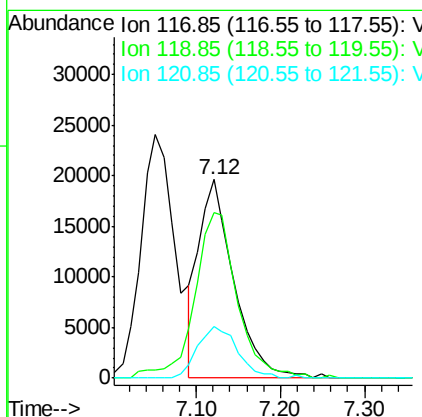
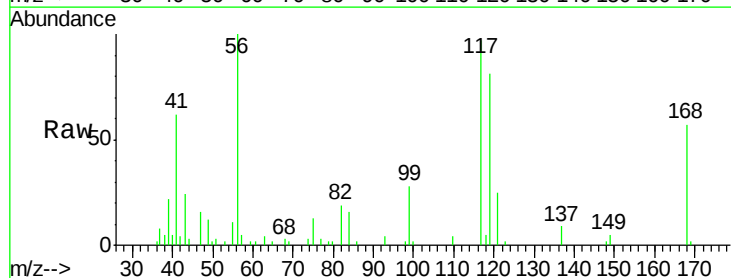
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

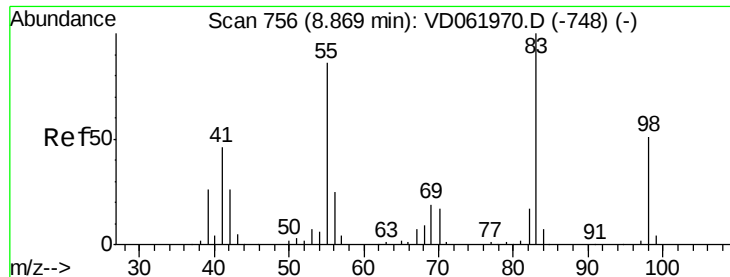
Tot Ion: 43 Resp: 21293
Ion Ratio Lower Upper
43 100
61 14.3 14.7 22.1#
70 8.3 7.8 11.6



#38
Carbon Tetrachloride
Concen: 4.686 ug/l
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Tgt Ion: 117 Resp: 56621
Ion Ratio Lower Upper
117 100
119 83.6 75.8 113.8
121 26.2 25.9 38.9

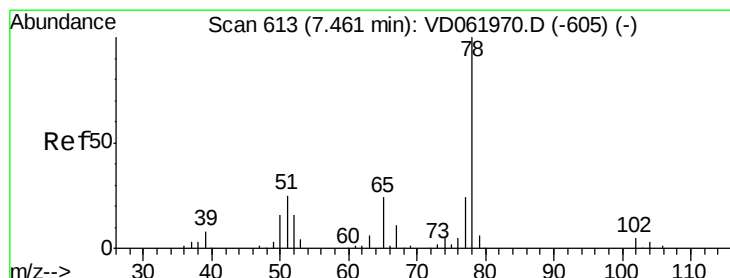
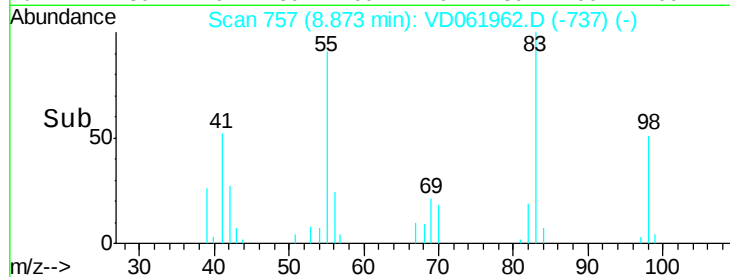
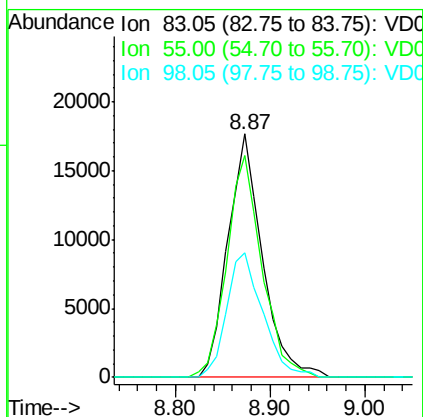
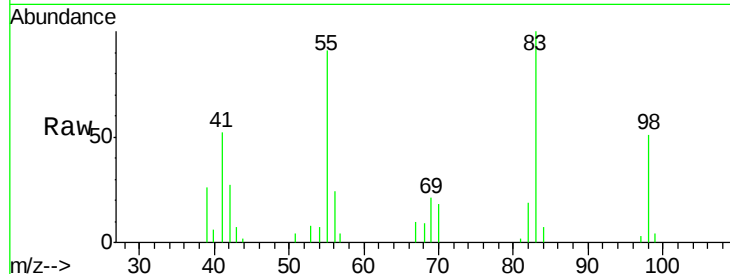




#39
Methvlcvclohexane
Concen: 4.784 ug/l
RT: 8.87 min Scan# 757
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

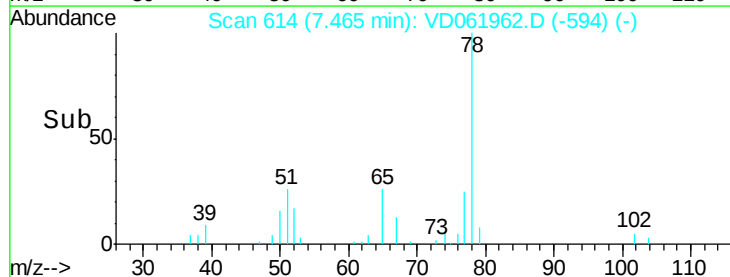
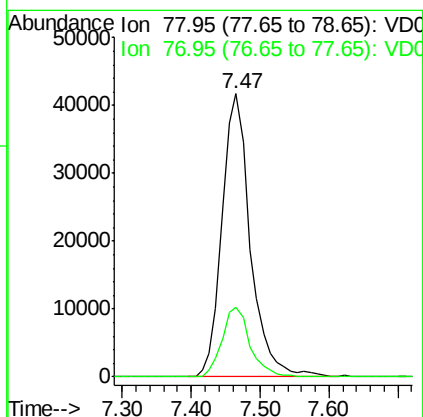
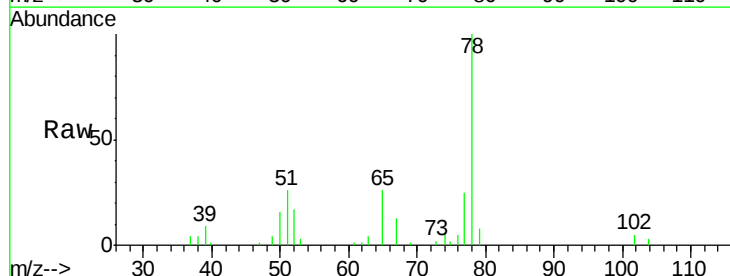
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

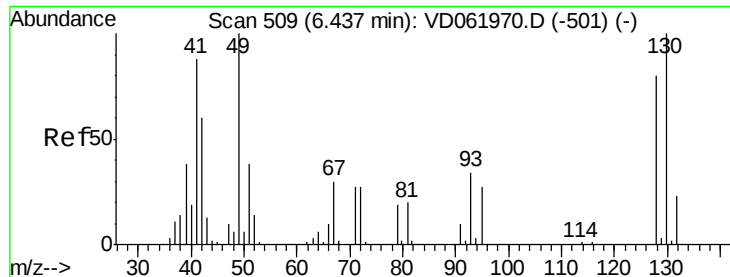
Tot Ion: 83 Resp: 44665
Ion Ratio Lower Upper
83 100
55 91.3 68.2 102.4
98 51.3 38.2 57.4



#40
Benzene
Concen: 4.995 ug/l
RT: 7.47 min Scan# 614
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Tgt Ion: 78 Resp: 118810
Ion Ratio Lower Upper
78 100
77 24.8 19.7 29.5

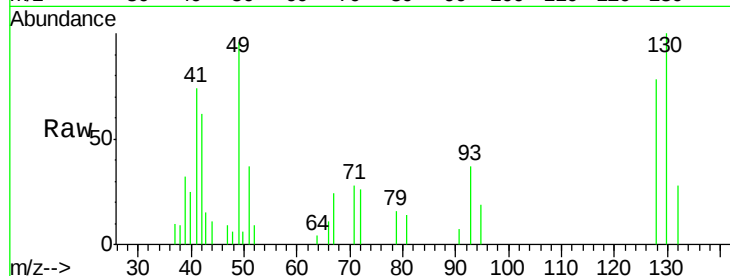




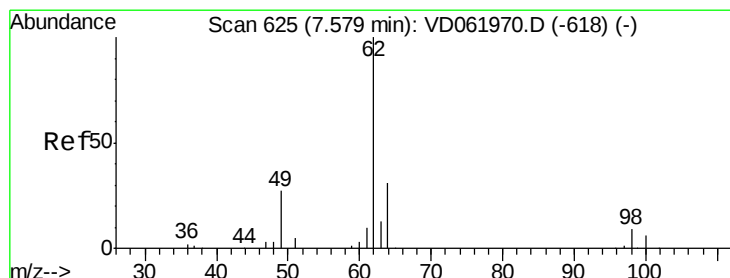
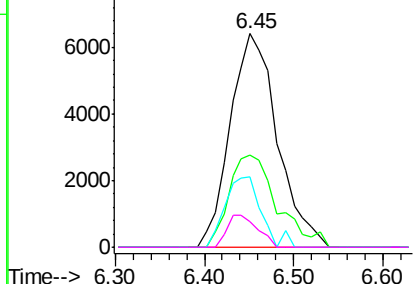
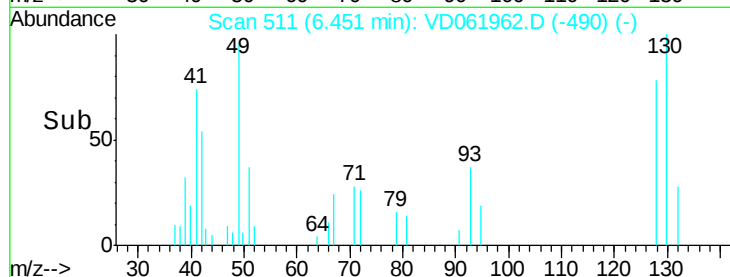
#41
Methacrylonitrile
Concen: 4.552 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 41 Resp: 23540
Ion Ratio Lower Upper
41 100
39 42.9 34.1 51.1
67 32.8 23.8 35.6
52 12.3 8.8 13.2

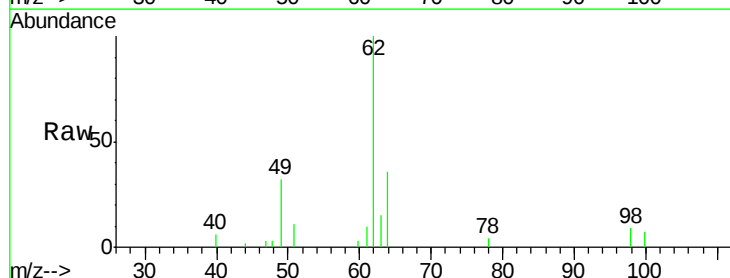


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

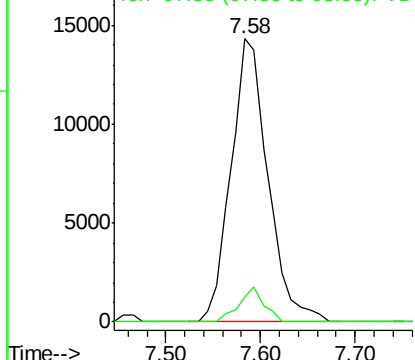
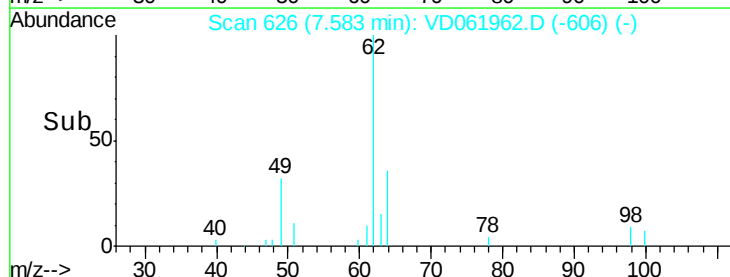


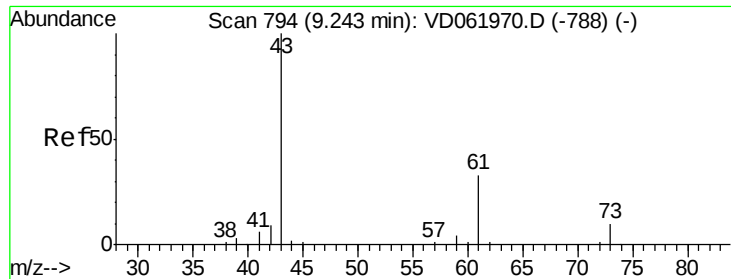
#42
1,2-Dichloroethane
Concen: 4.439 ug/l
RT: 7.58 min Scan# 626
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Tgt Ion: 62 Resp: 38768
Ion Ratio Lower Upper
62 100
98 8.8 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 4.068 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

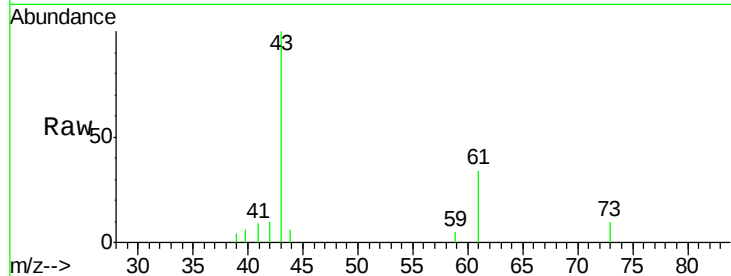
Tot Ion: 43 Resp: 25900

Ion Ratio Lower Upper

43 100

61 33.7 25.1 37.7

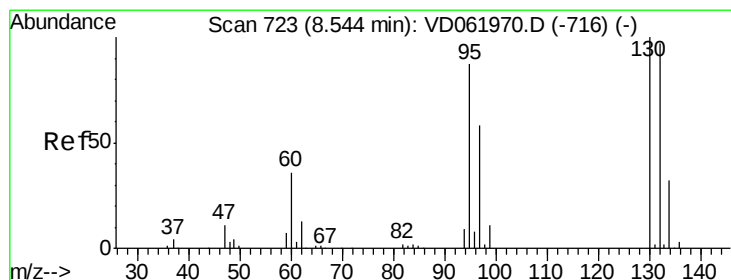
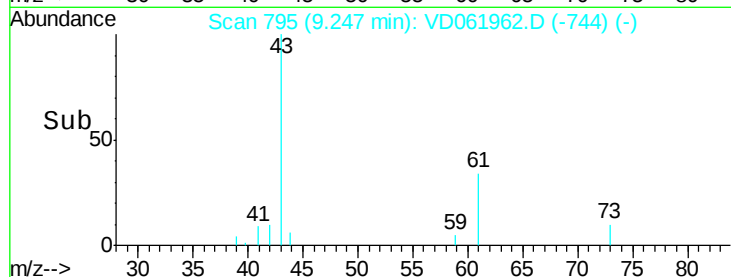
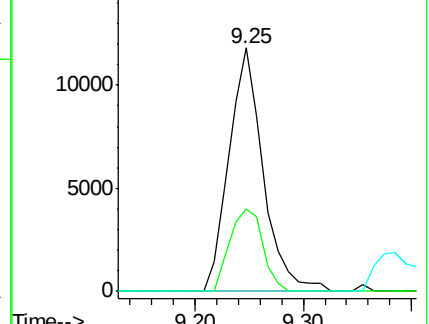
87 0.0 0.0 0.0



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: 5.196 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD061962.D

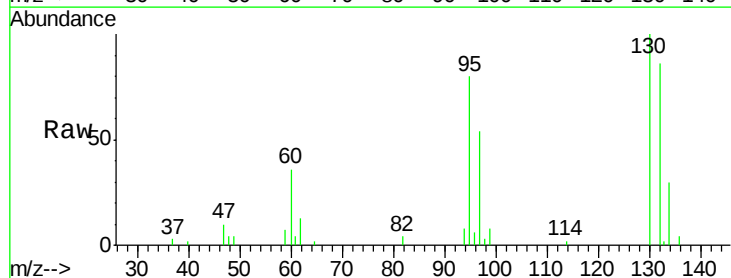
Acq: 23 Apr 2019 10:33

Tgt Ion: 130 Resp: 45917

Ion Ratio Lower Upper

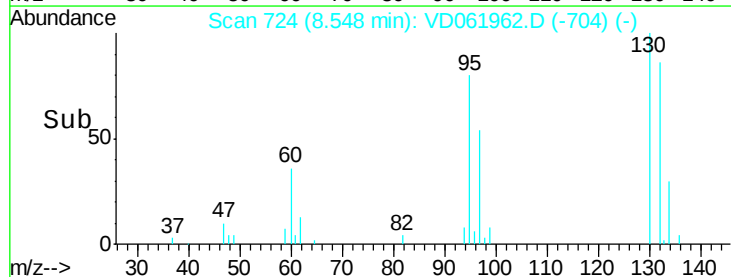
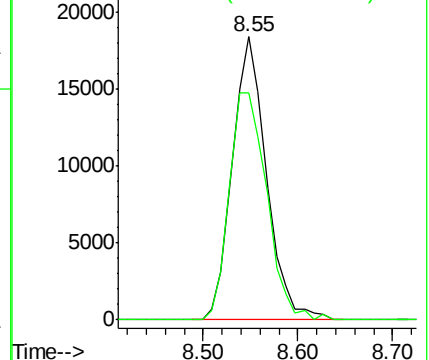
130 100

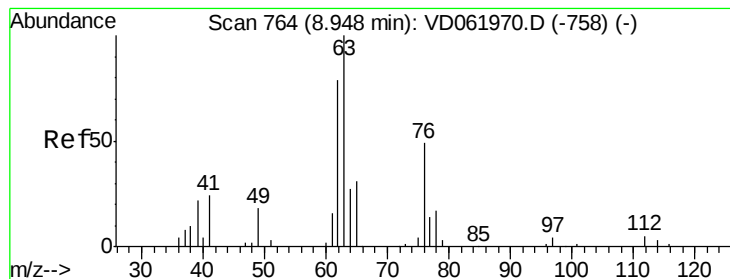
95 80.1 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 4.824 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

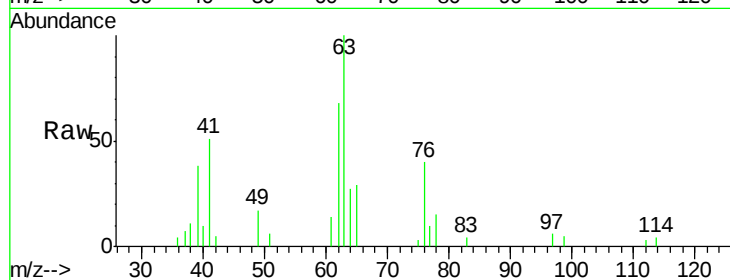
VSTDIC005

Tot Ion: 63 Resp: 29257

Ion Ratio Lower Upper

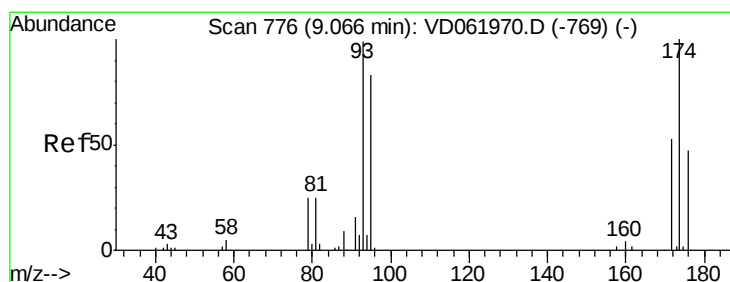
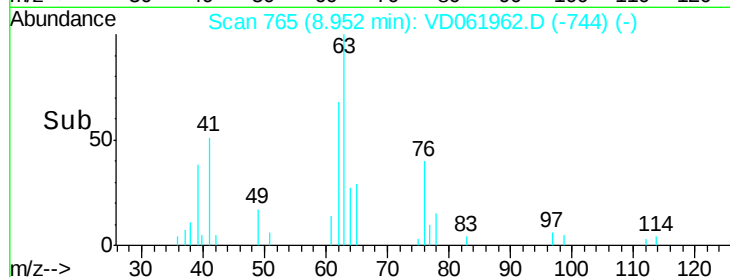
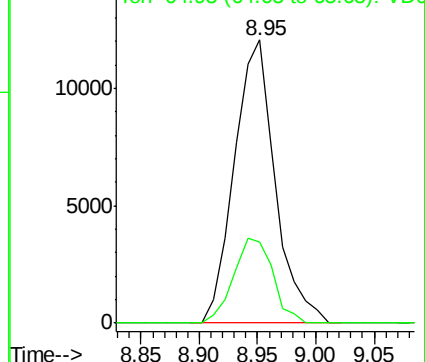
63 100

65 28.7 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 4.420 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

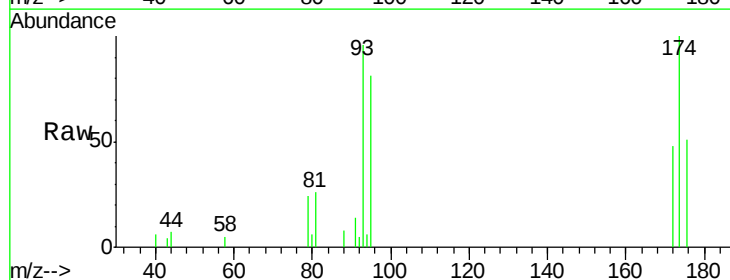
Tgt Ion: 93 Resp: 20339

Ion Ratio Lower Upper

93 100

95 84.7 64.8 97.2

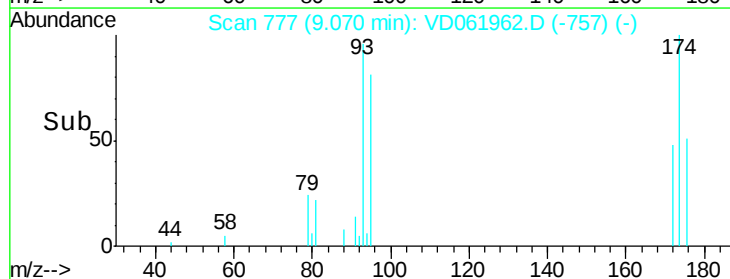
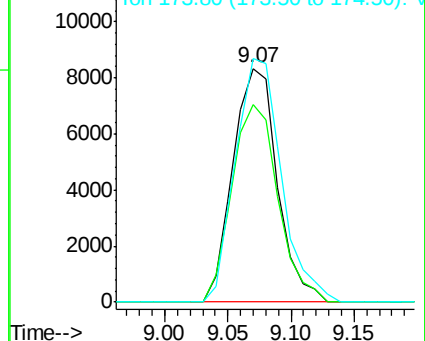
174 104.1 79.3 118.9



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: 4.531 ug/l

RT: 9.38 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

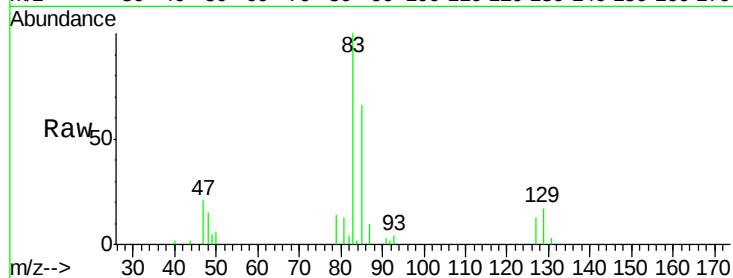
Tot Ion: 83 Resp: 47773

Ion Ratio Lower Upper

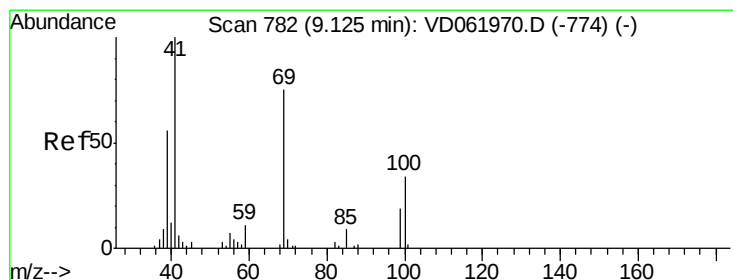
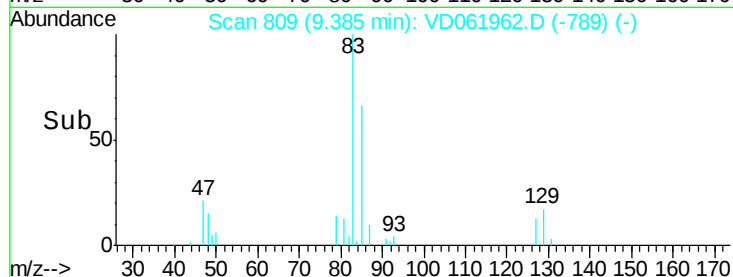
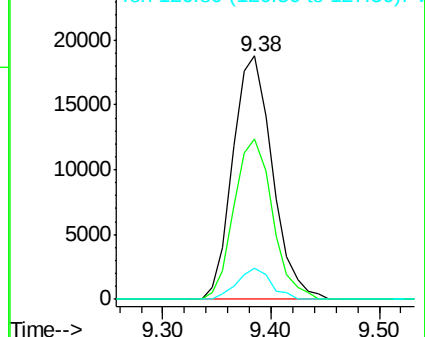
83 100

85 65.9 50.9 76.3

127 12.9 8.1 12.1#



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 4.748 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

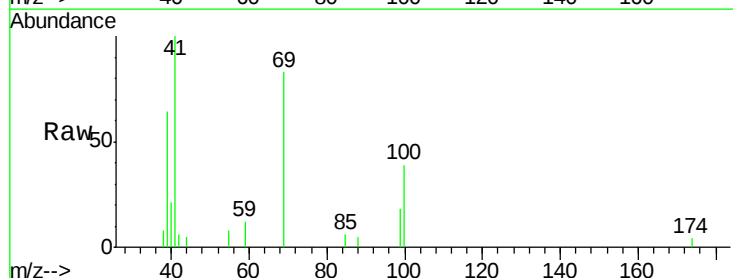
Tgt Ion: 41 Resp: 17246

Ion Ratio Lower Upper

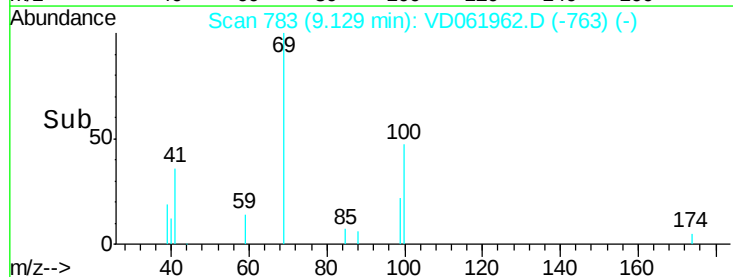
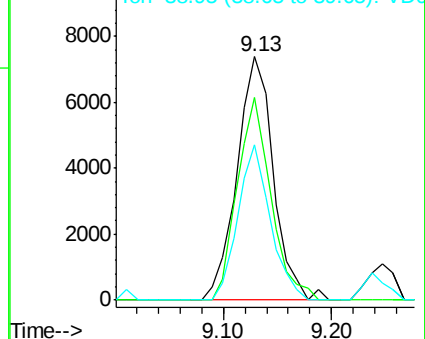
41 100

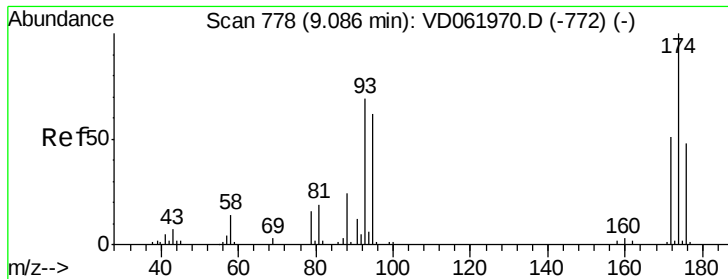
69 83.1 64.2 96.2

39 63.5 46.8 70.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

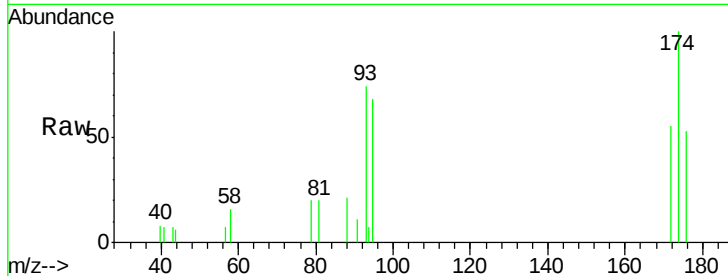




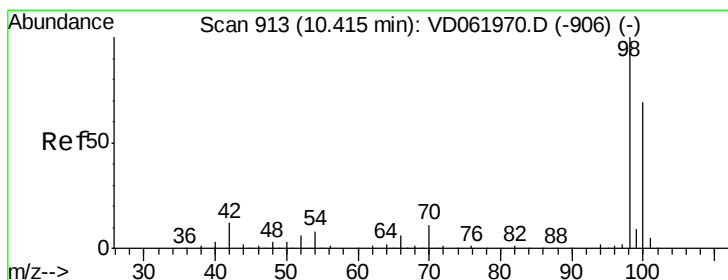
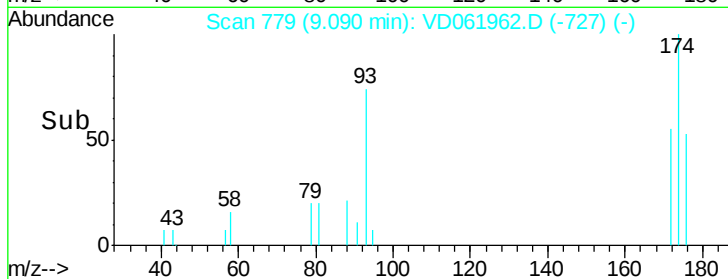
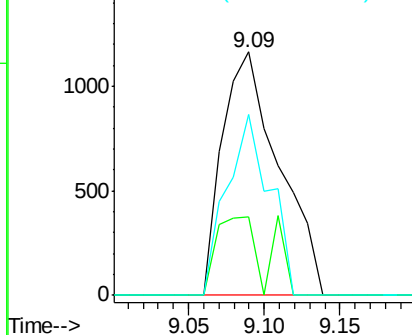
#49
1,4-Dioxane
Concen: 80.946 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 3038
Ion Ratio Lower Upper
88 100
43 32.4 23.4 35.0
58 74.5 44.0 66.0#

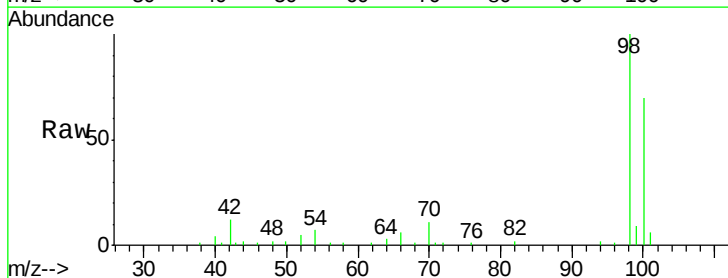


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

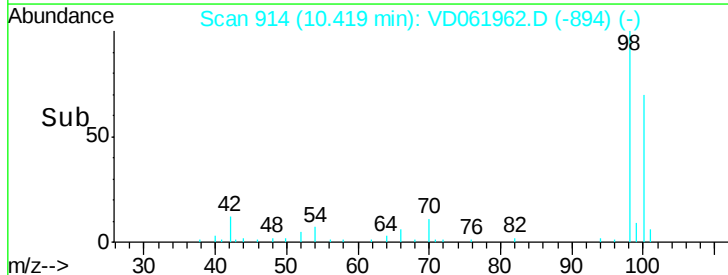
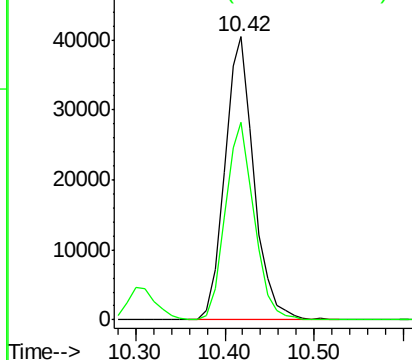


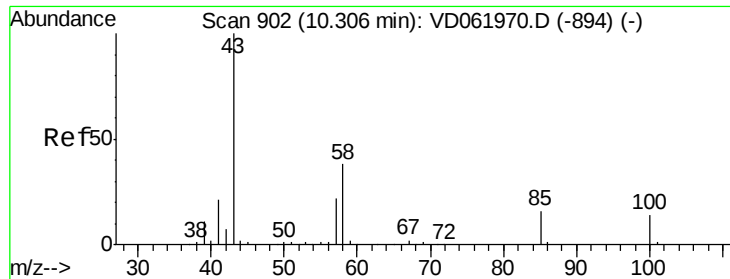
#50
Toluene-d8
Concen: 80.946 ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Tgt Ion: 98 Resp: 92505
Ion Ratio Lower Upper
98 100
100 69.7 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 22.036 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

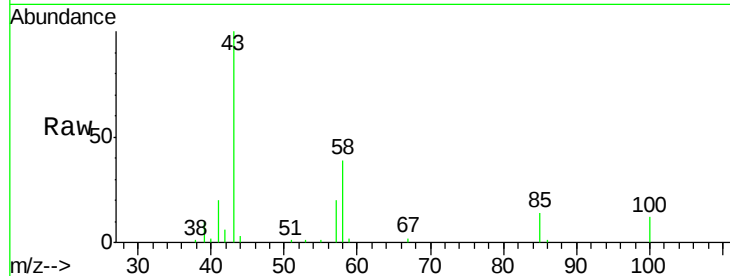
VSTDIC005

Tot Ion: 43 Resp: 89620

Ion Ratio Lower Upper

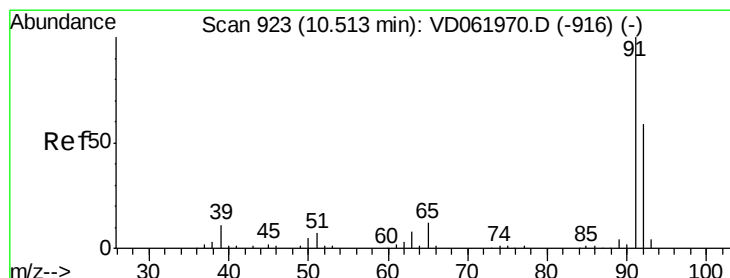
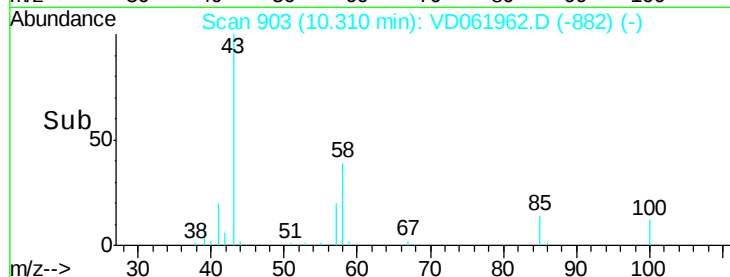
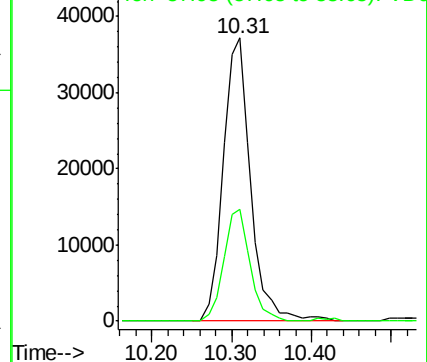
43 100

58 39.3 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 5.164 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD061962.D

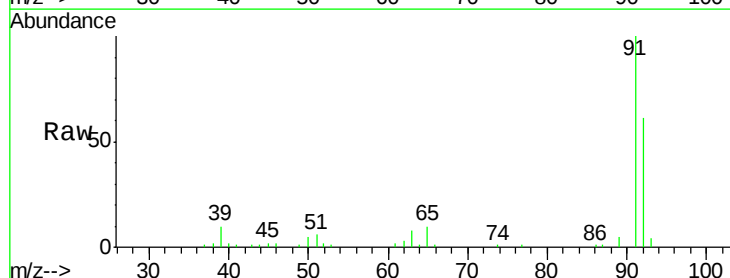
Acq: 23 Apr 2019 10:33

Tgt Ion: 92 Resp: 79032

Ion Ratio Lower Upper

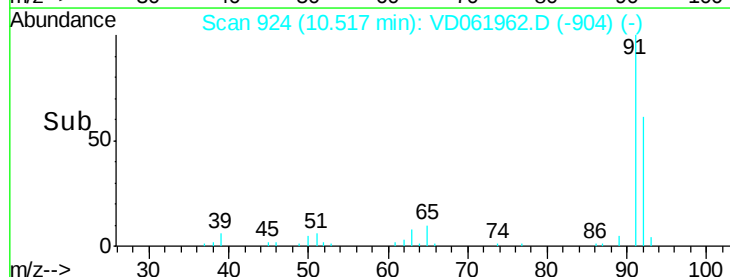
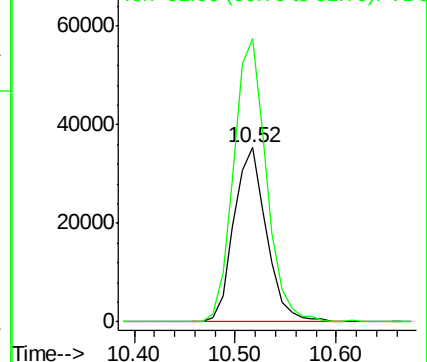
92 100

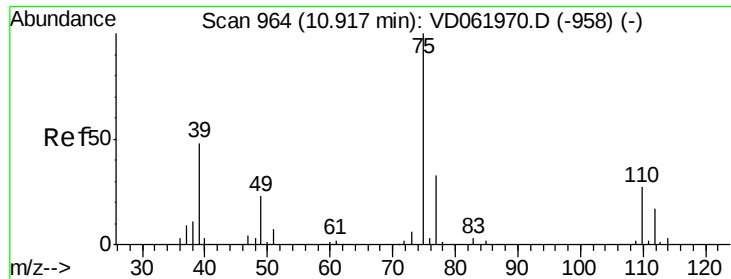
91 162.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

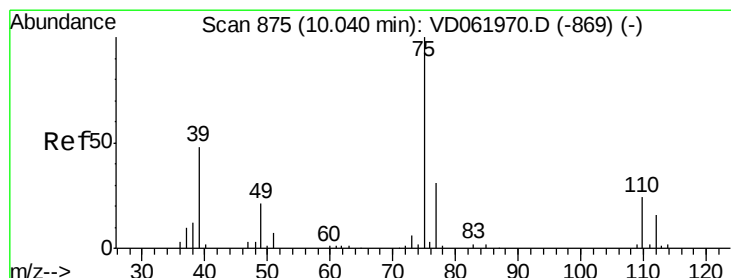
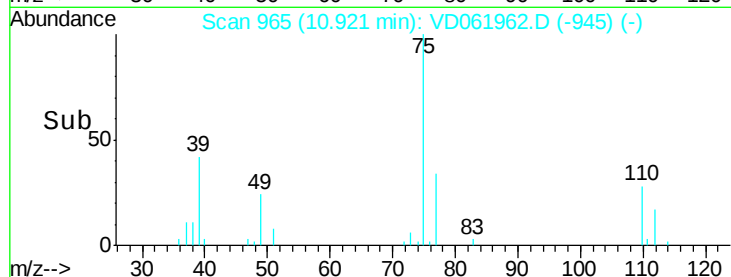
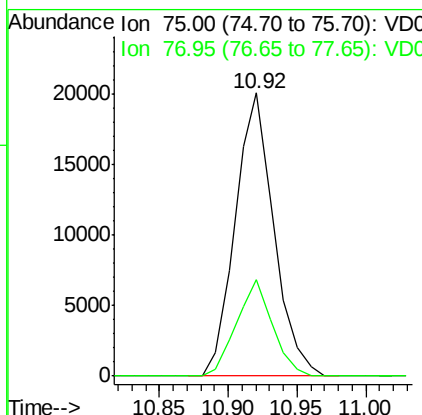
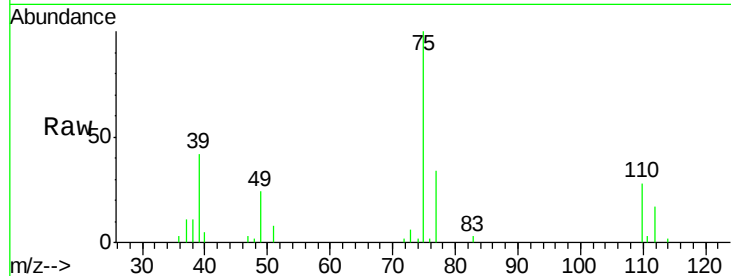




#53
 t-1,3-Dichloropropene
 Concen: 4.167 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

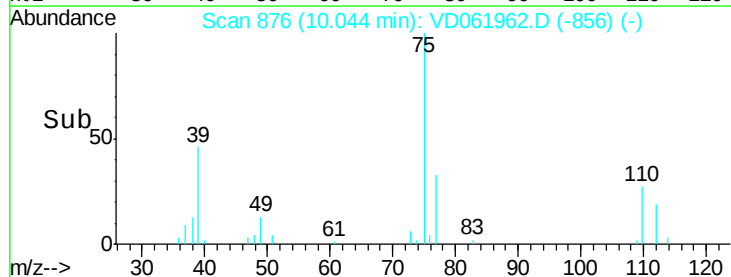
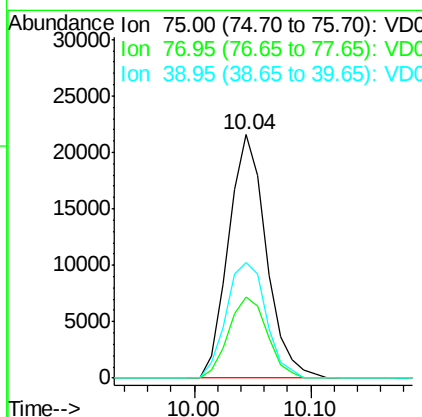
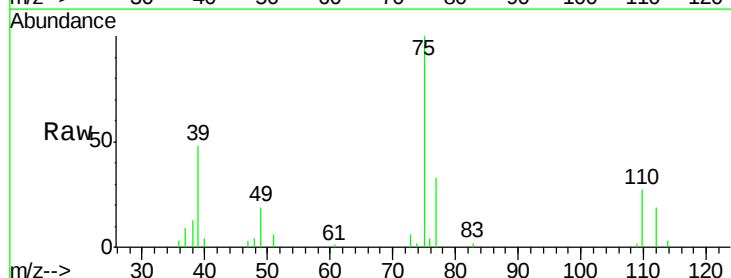
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

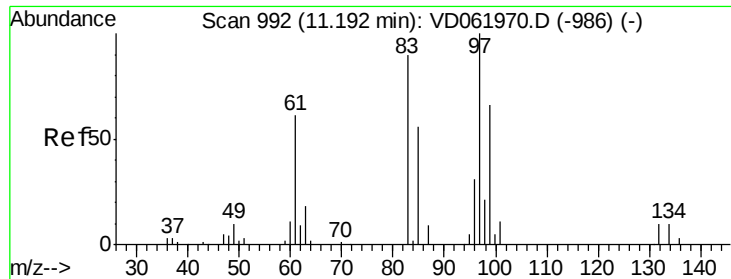
Tot Ion: 75 Resp: 39012
 Ion Ratio Lower Upper
 75 100
 77 34.0 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 4.458 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

Tgt Ion: 75 Resp: 48488
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.5 38.3
 39 47.7 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 4.333 ug/l

RT: 11.20 min Scan# 993

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 23860

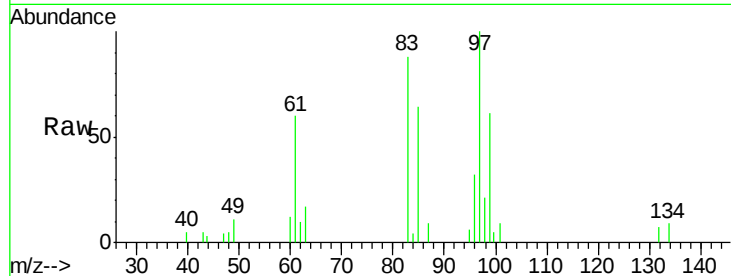
Ion Ratio Lower Upper

97 100

83 87.6 65.7 98.5

85 64.0 45.6 68.4

99 61.2 48.4 72.6

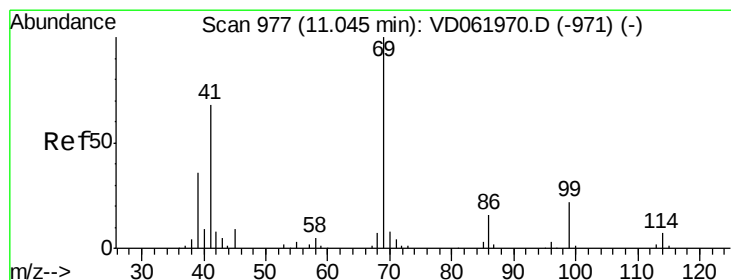
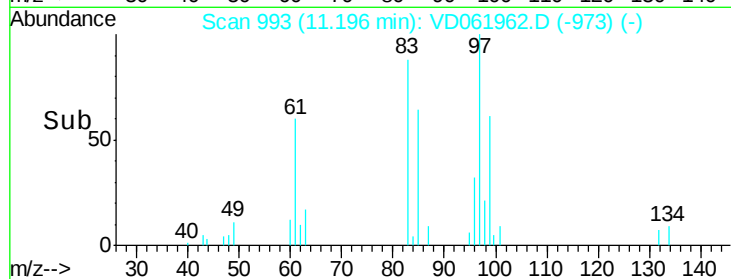
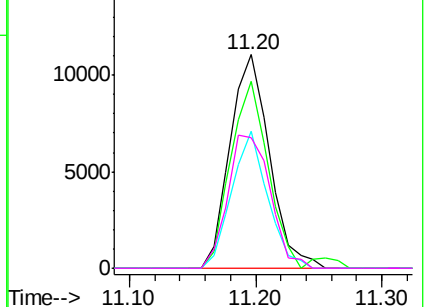


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 4.397 ug/l

RT: 11.05 min Scan# 978

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

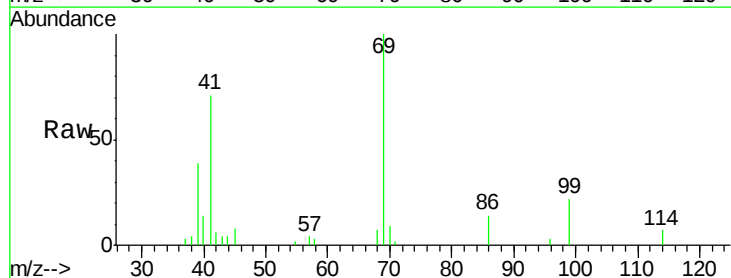
Tgt Ion: 69 Resp: 25723

Ion Ratio Lower Upper

69 100

41 70.8 56.3 84.5

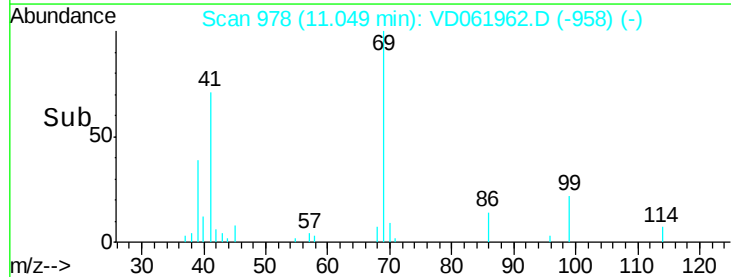
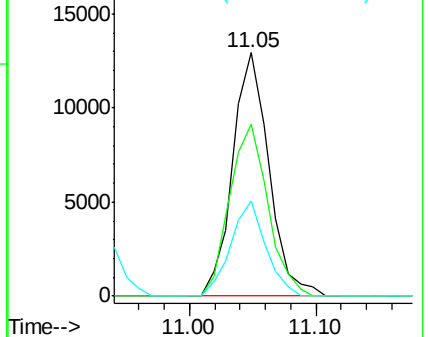
39 39.3 29.4 44.2

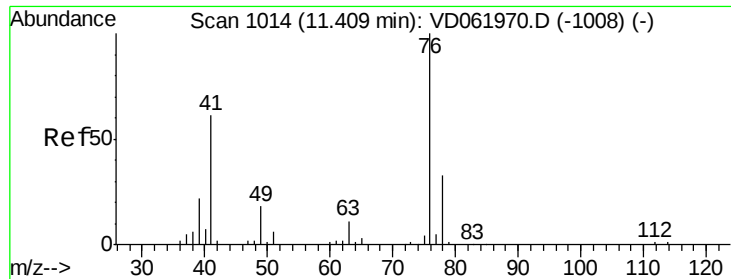


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

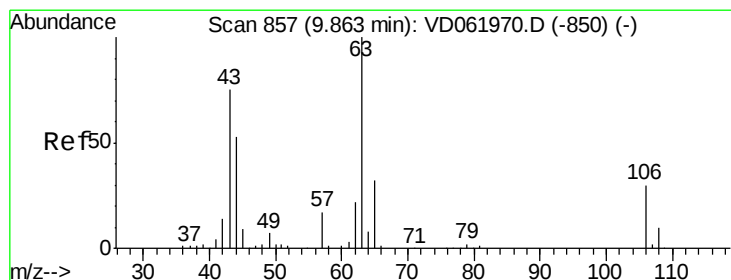
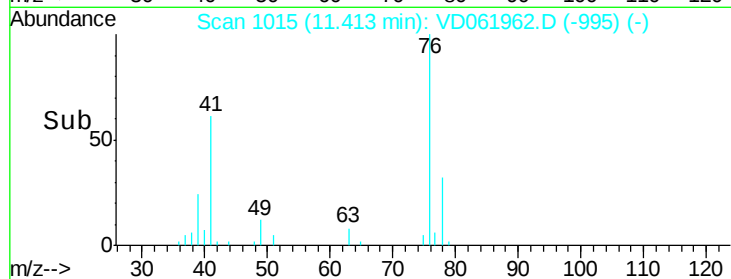
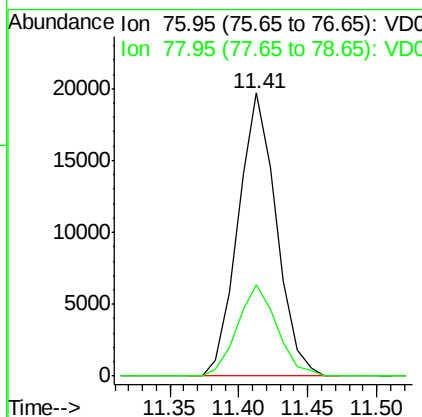
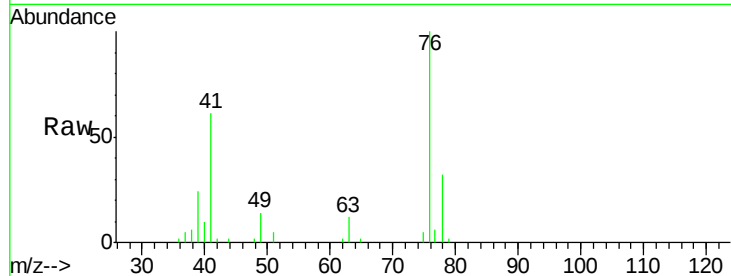




#57
 1,3-Dichloropropane
 Concen: 4.624 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

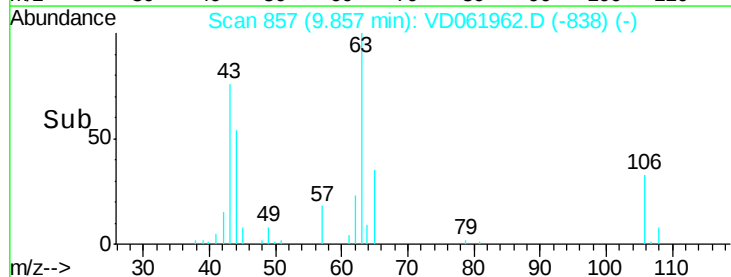
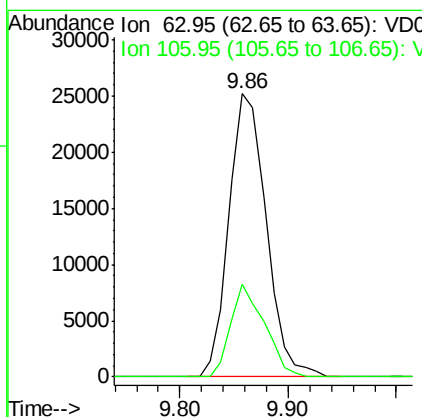
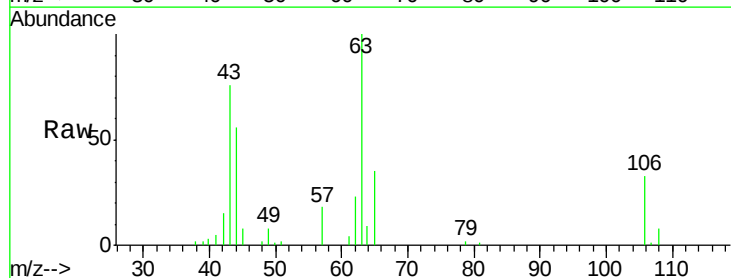
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

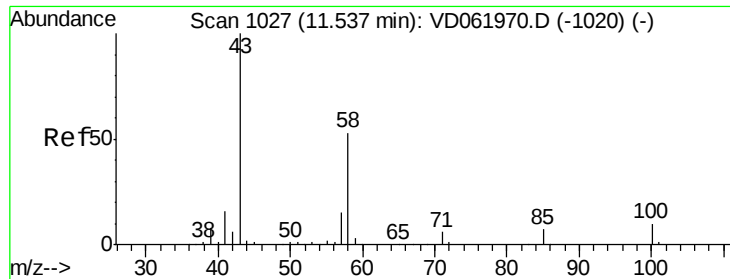
Tot Ion: 76 Resp: 37947
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.625 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

Tgt Ion: 63 Resp: 60696
 Ion Ratio Lower Upper
 63 100
 106 32.7 22.6 34.0

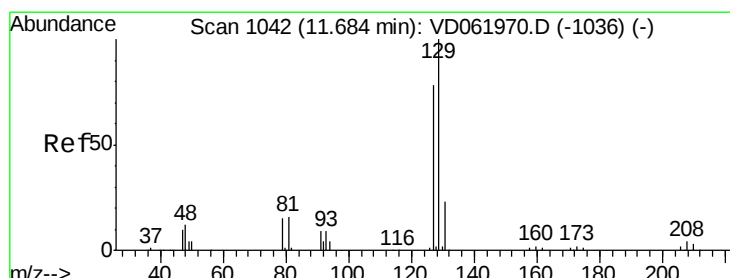
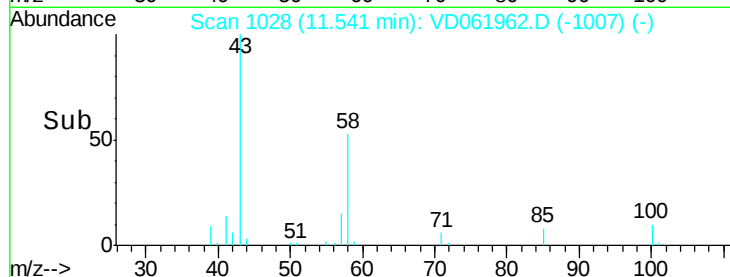
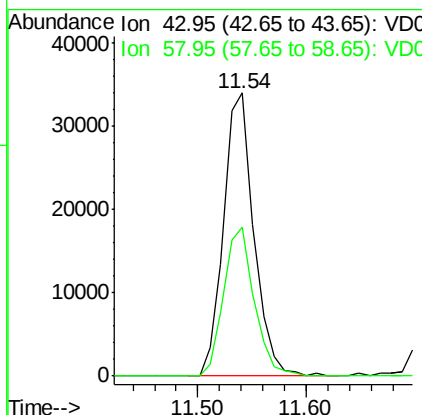
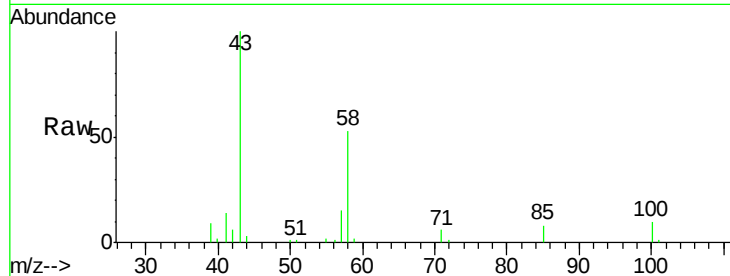




#59
2-Hexanone
Concen: 23.122 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

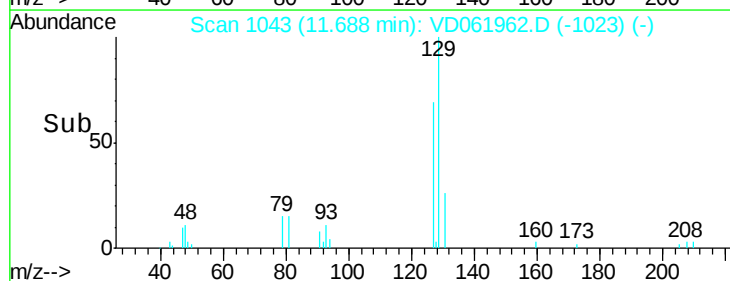
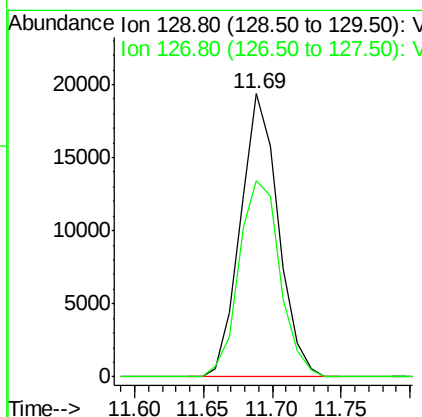
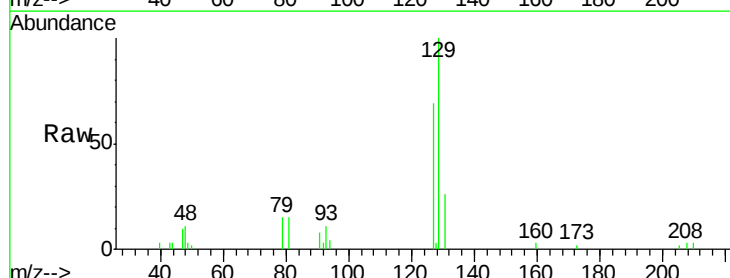
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

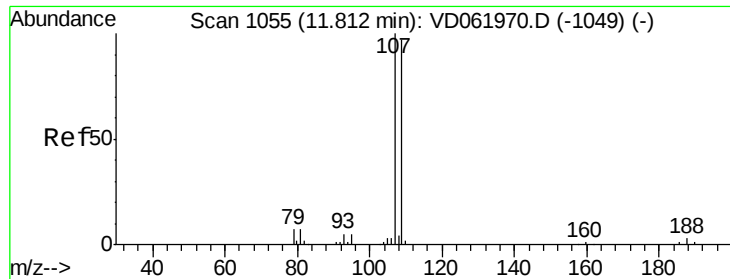
Tot Ion: 43 Resp: 66156
Ion Ratio Lower Upper
43 100
58 52.6 25.4 76.4



#60
Dibromochloromethane
Concen: 4.192 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Tgt Ion: 129 Resp: 37166
Ion Ratio Lower Upper
129 100
127 69.5 38.0 113.9

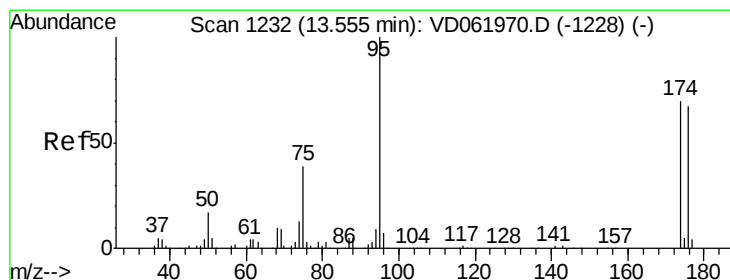
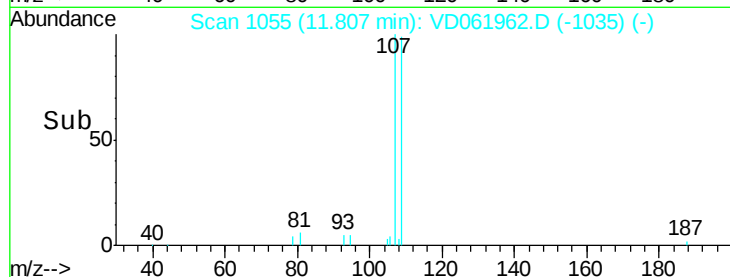
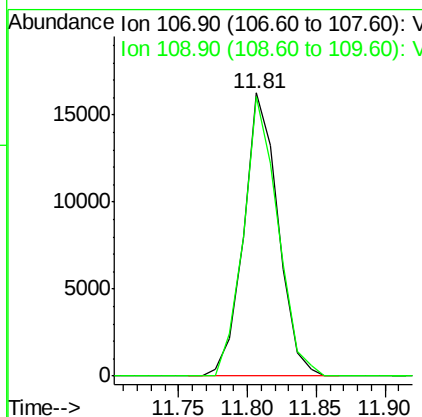
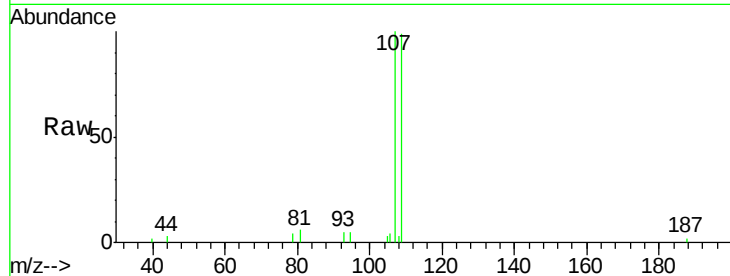




#61
 1,2-Dibromoethane
 Concen: 4.304 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

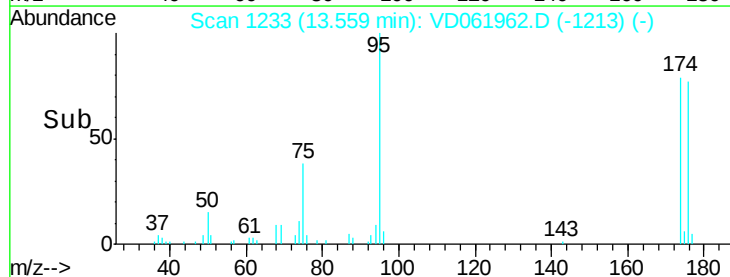
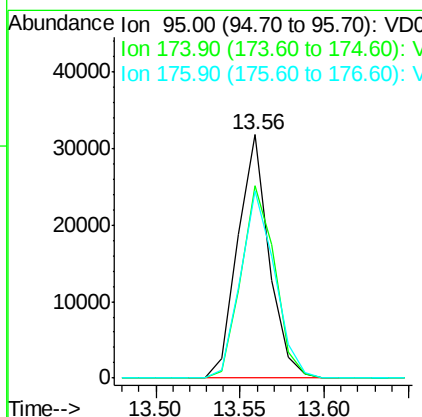
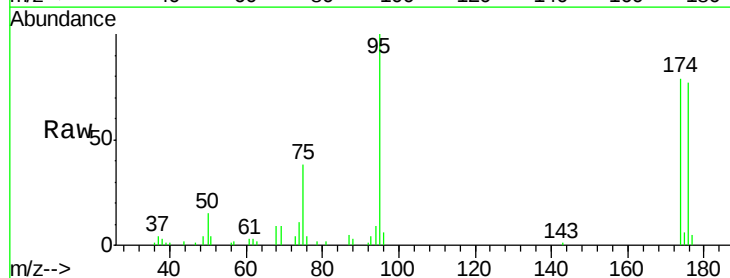
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

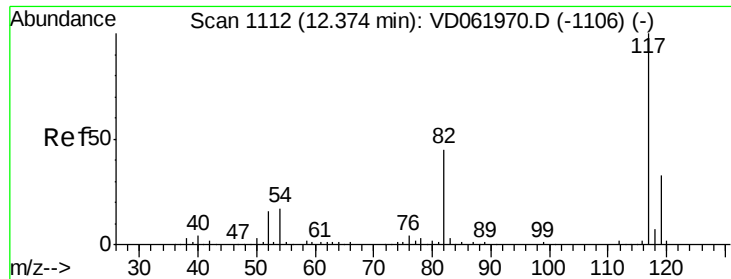
Tot Ion:107 Resp: 28400
 Ion Ratio Lower Upper
 107 100
 109 98.6 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 4.304 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

Tgt Ion: 95 Resp: 40981
 Ion Ratio Lower Upper
 95 100
 174 78.9 0.0 181.8
 176 77.1 0.0 174.4

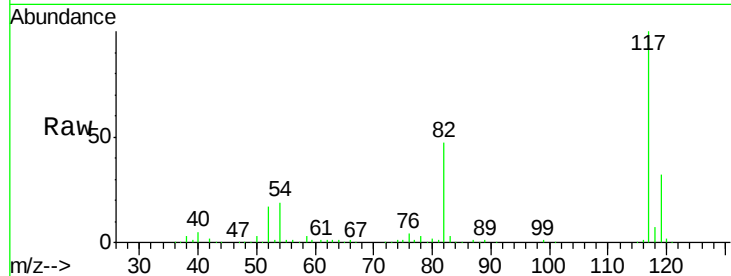




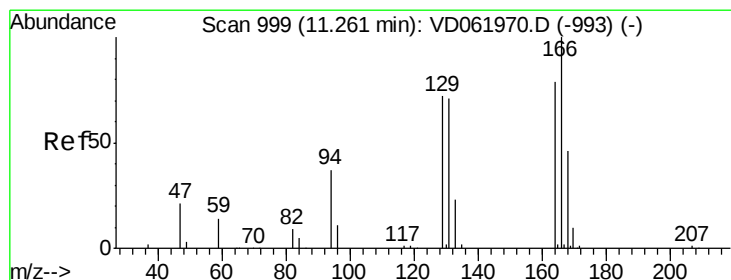
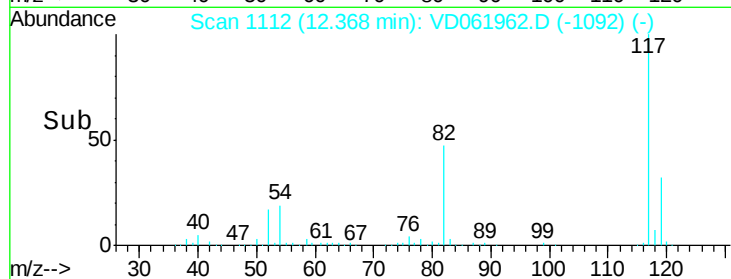
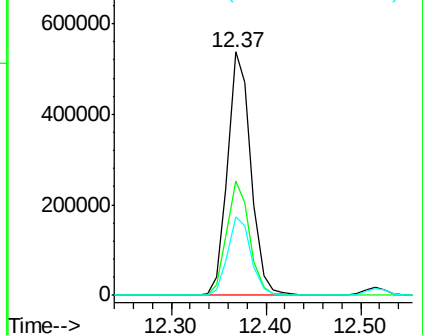
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 915125
Ion Ratio Lower Upper
117 100
82 47.0 36.2 54.2
119 32.2 26.2 39.4



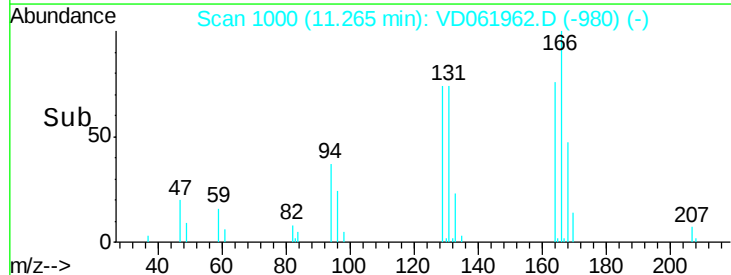
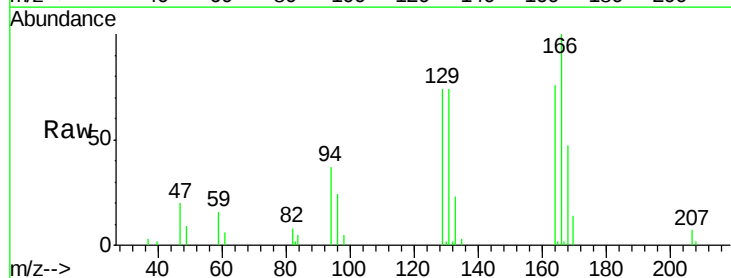
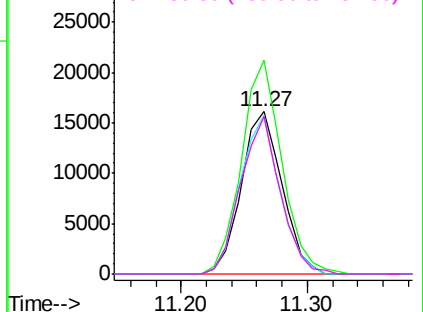
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

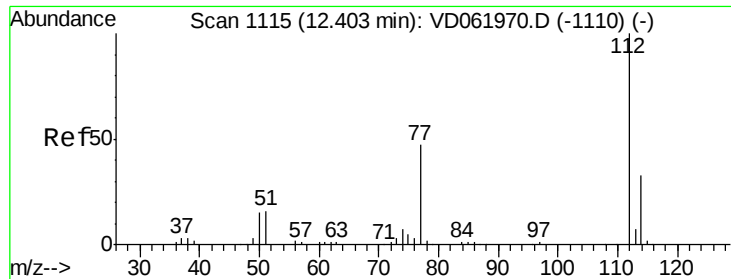


#64
Tetrachloroethene
Concen: 5.384 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Tgt Ion:164 Resp: 35878
Ion Ratio Lower Upper
164 100
166 131.9 101.5 152.3
129 97.7 74.6 112.0
131 96.9 72.6 108.8

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

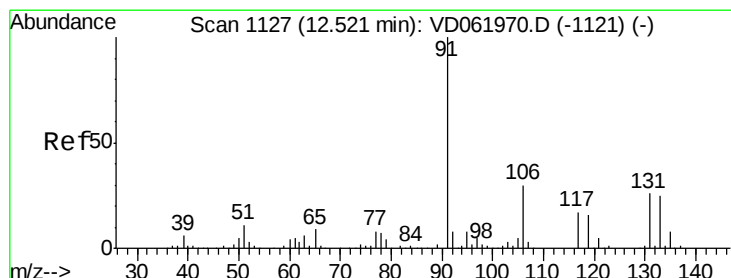
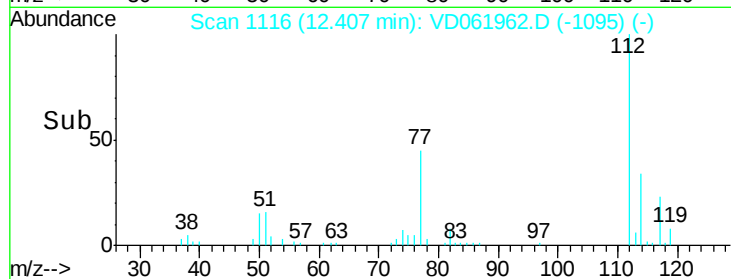
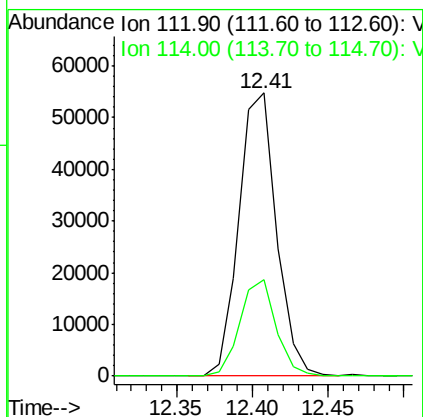
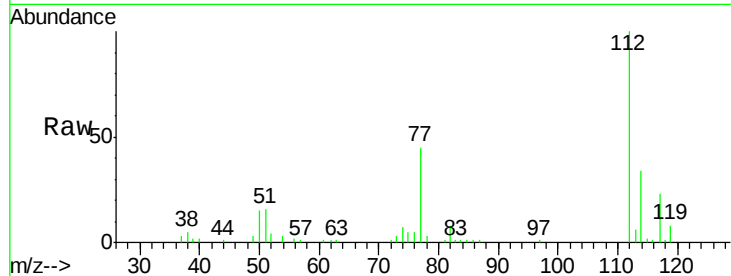




#65
Chlorobenzene
Concen: 5.385 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

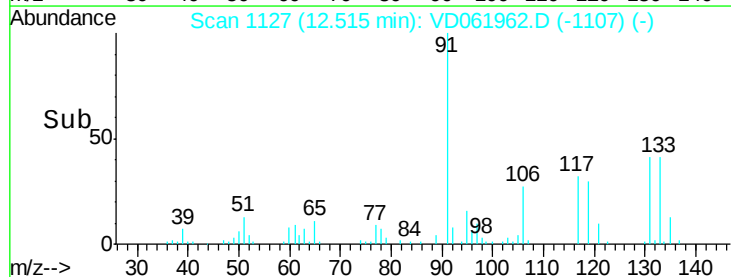
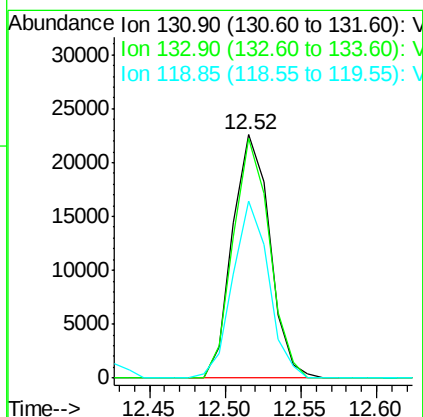
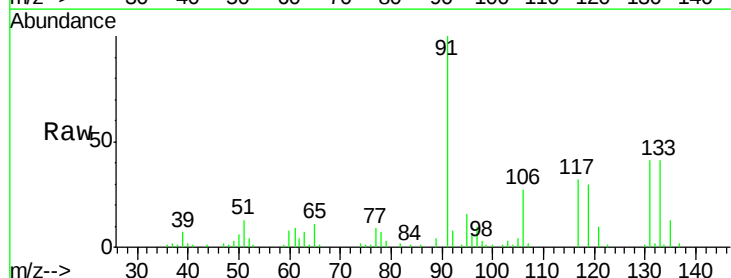
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

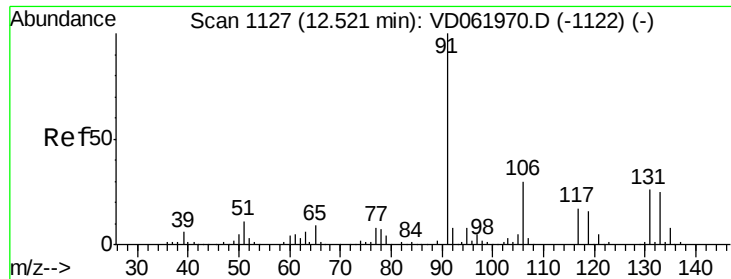
Tot Ion:112 Resp: 94583
Ion Ratio Lower Upper
112 100
114 34.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 5.343 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Tgt Ion:131 Resp: 38738
Ion Ratio Lower Upper
131 100
133 98.3 48.6 145.8
119 72.6 34.7 104.1

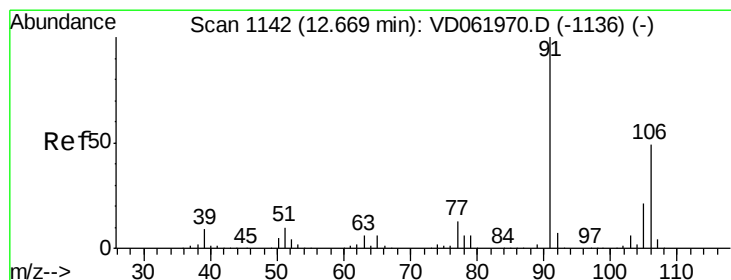
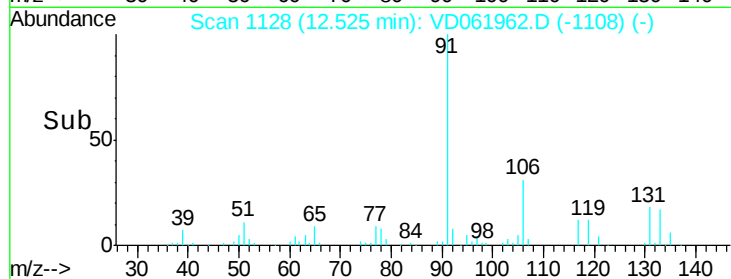
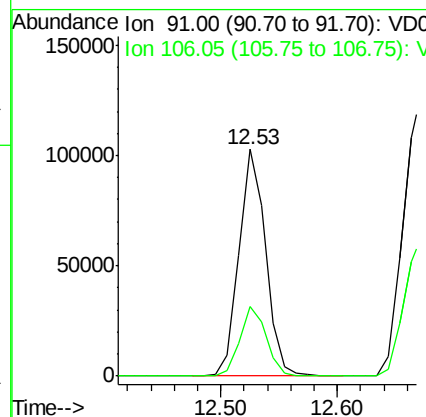
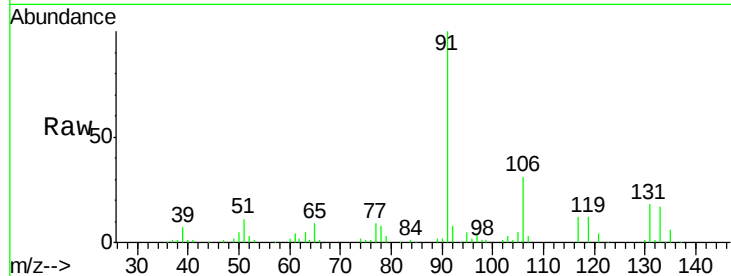




#67
Ethyl Benzene
Concen: 6.101 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

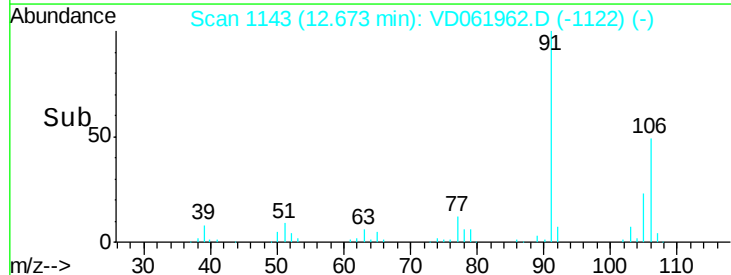
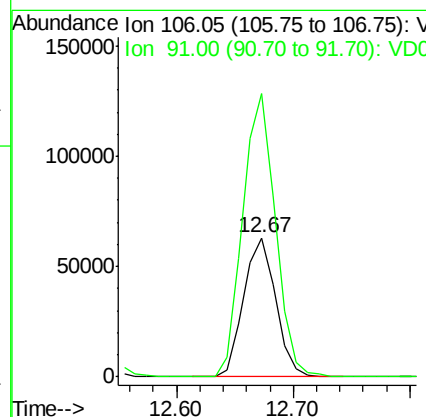
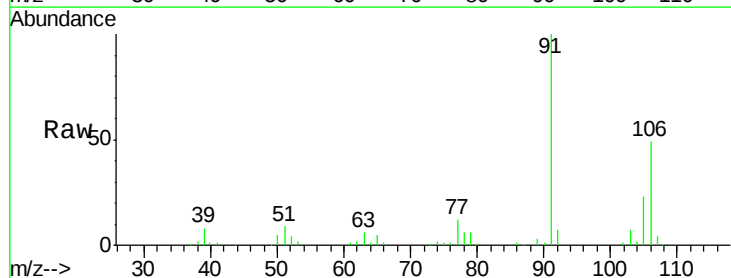
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 162694
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1



#68
m/p-Xylenes
Concen: 11.815 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Tgt Ion: 106 Resp: 120516
Ion Ratio Lower Upper
106 100
91 203.2 164.0 246.0

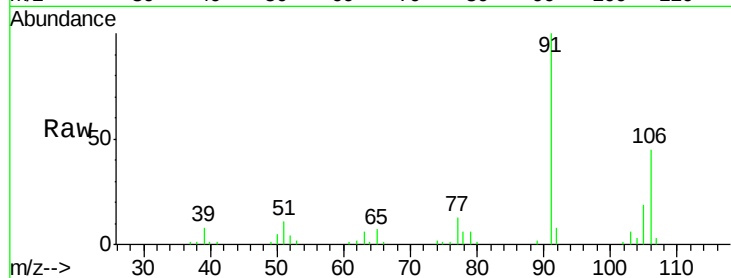




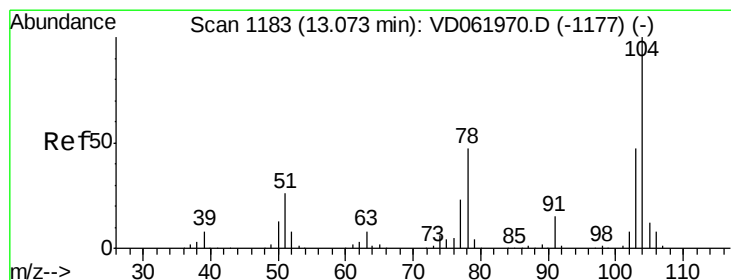
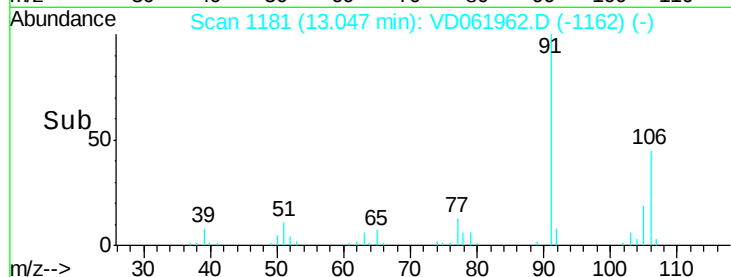
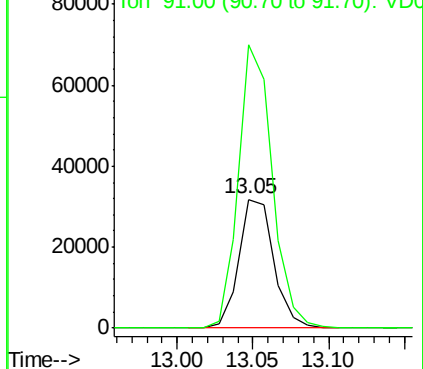
#69
o-Xylene
Concen: 5.281 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 51266
Ion Ratio Lower Upper
106 100
91 219.9 106.7 319.9

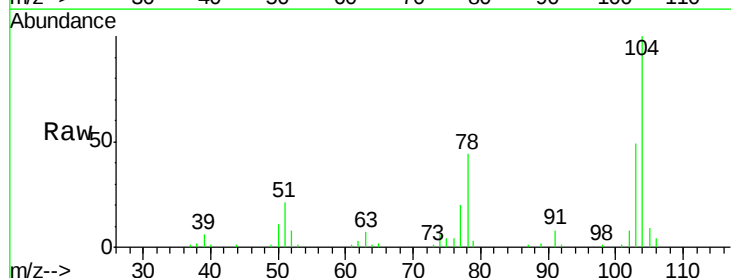


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

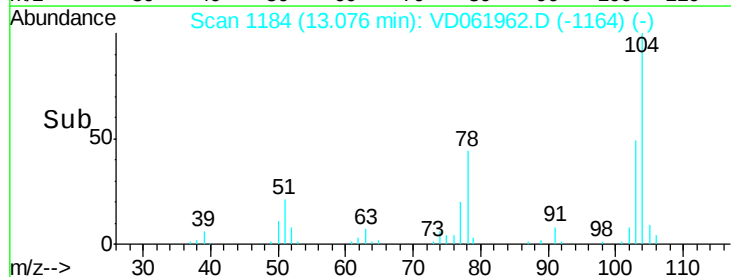
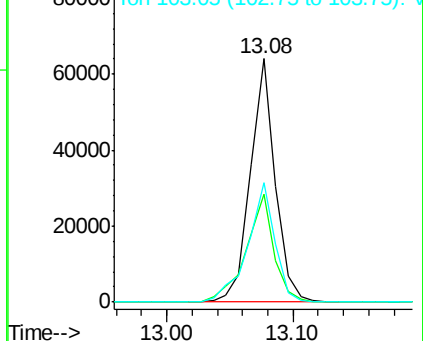


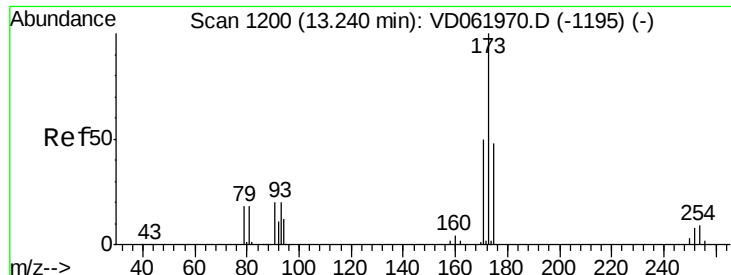
#70
Styrene
Concen: 5.232 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Tgt Ion:104 Resp: 87891
Ion Ratio Lower Upper
104 100
78 44.1 35.4 53.2
103 48.9 37.5 56.3



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

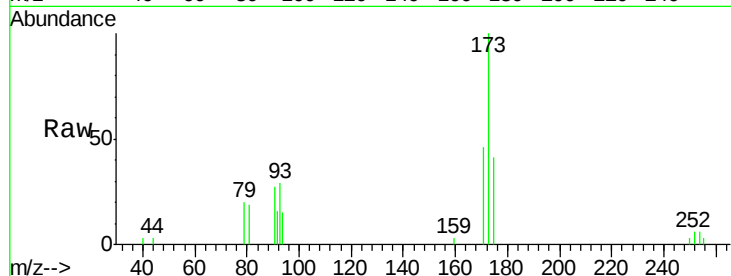




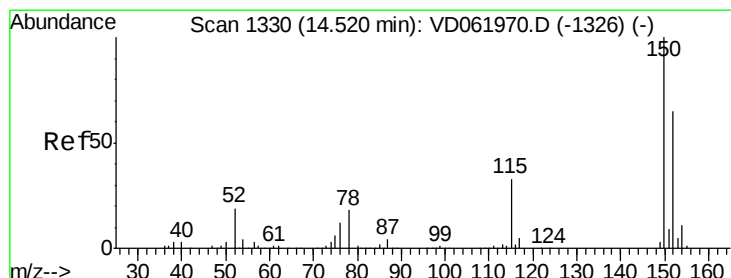
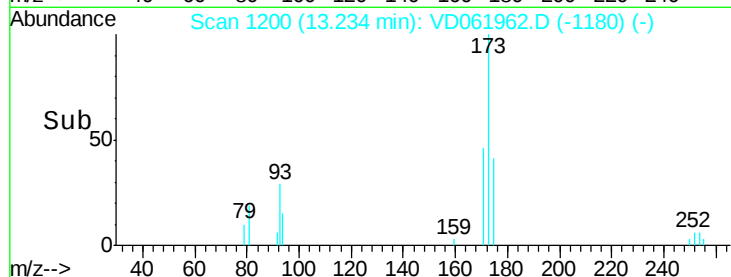
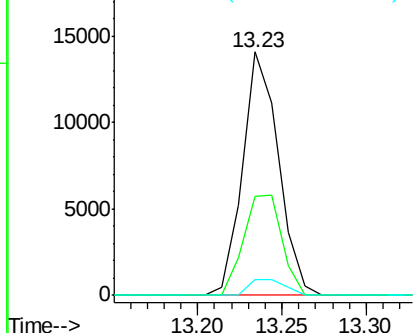
#71
Bromoform
Concen: 4.626 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:173 Resp: 20700
Ion Ratio Lower Upper
173 100
175 40.6 24.4 73.4
254 6.2 5.4 8.2

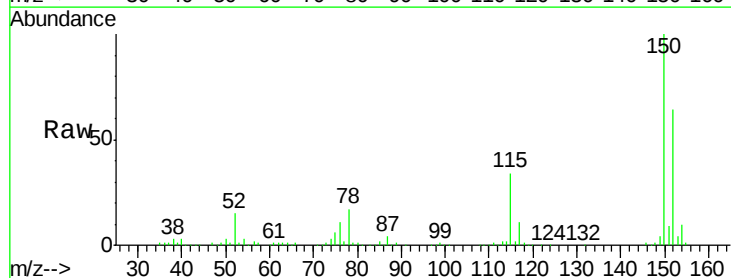


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

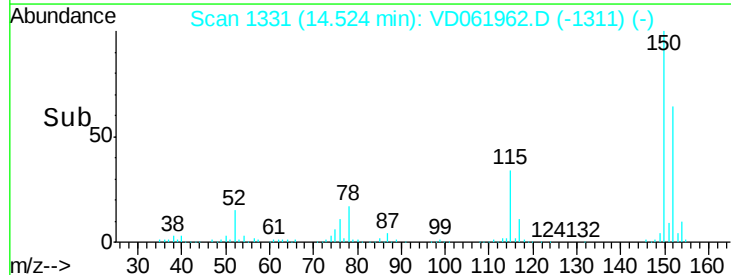
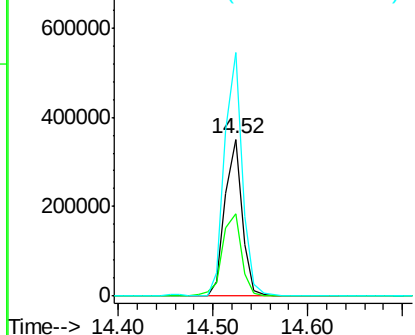


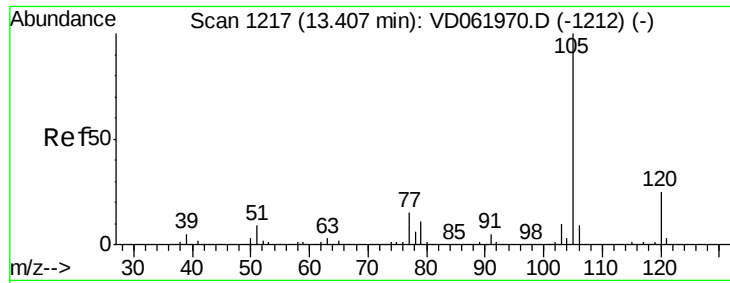
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Tgt Ion:152 Resp: 441035
Ion Ratio Lower Upper
152 100
115 52.9 30.9 92.7
150 155.4 0.0 314.8



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: 5.455 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

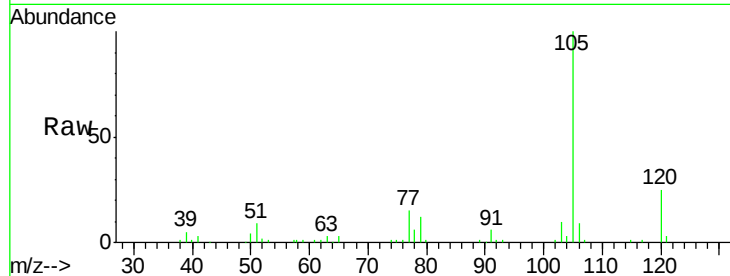
VSTDIC005

Tot Ion:105 Resp: 153425

Ion Ratio Lower Upper

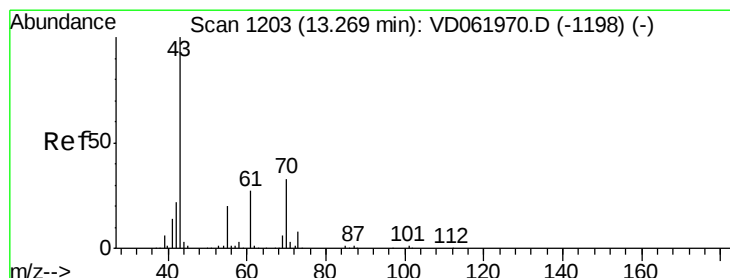
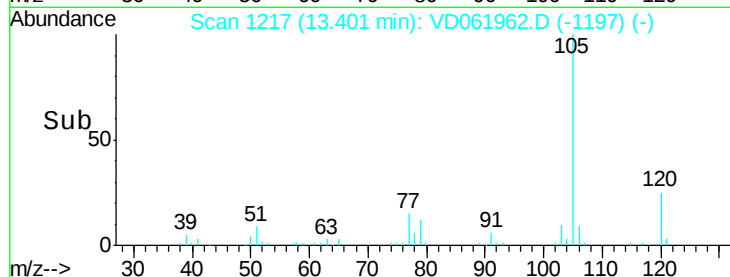
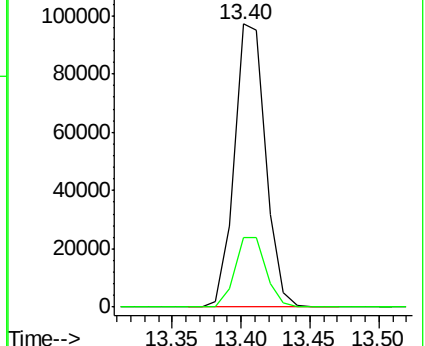
105 100

120 24.5 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 4.854 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Tgt Ion: 43 Resp: 37131

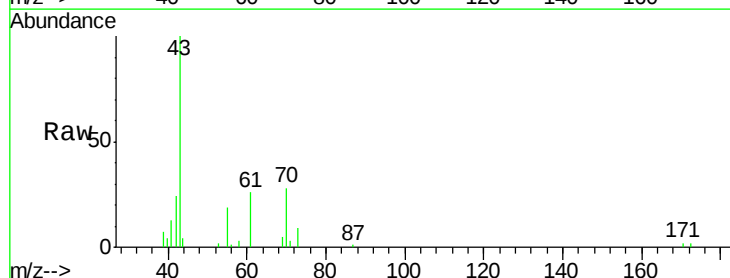
Ion Ratio Lower Upper

43 100

70 28.2 24.2 36.4

55 19.4 16.0 24.0

61 26.0 21.6 32.4

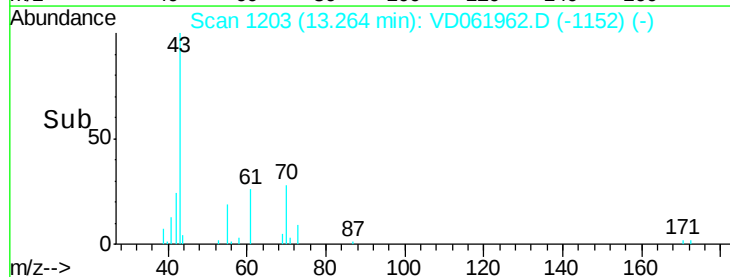
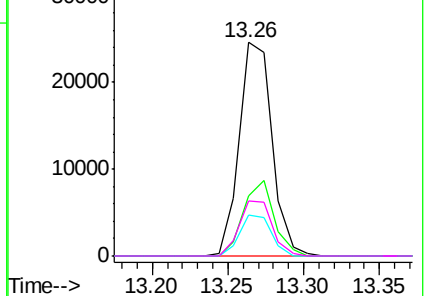


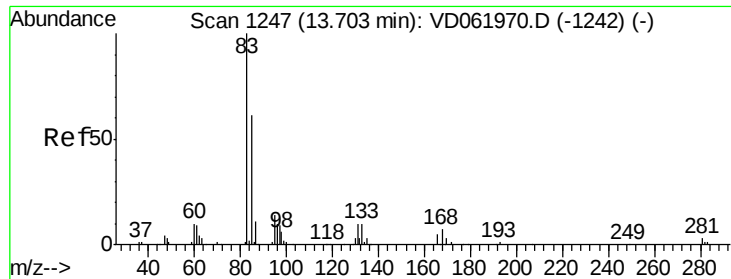
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 4.394 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

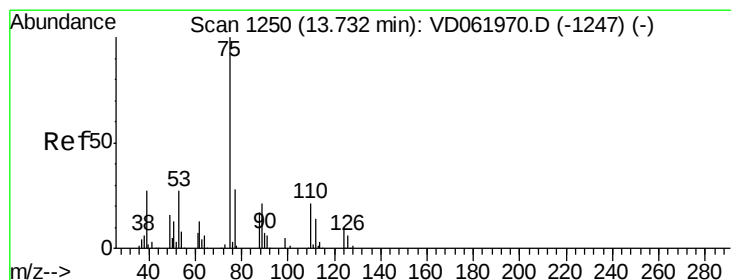
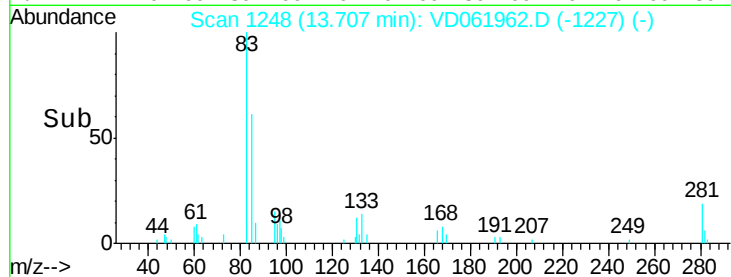
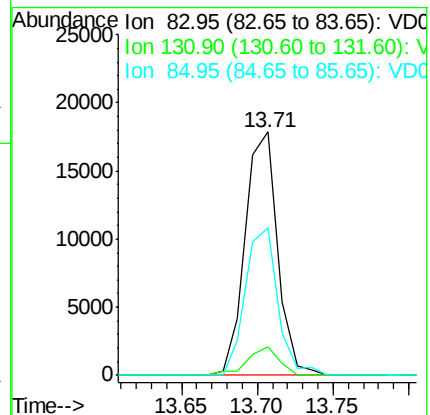
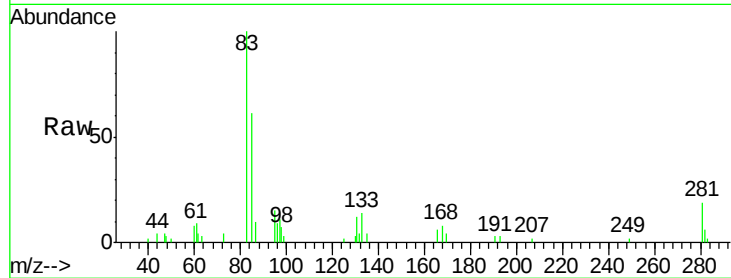
Tot Ion: 83 Resp: 26635

Ion Ratio Lower Upper

83 100

131 11.9 5.0 14.9

85 60.9 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 4.264 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD061962.D

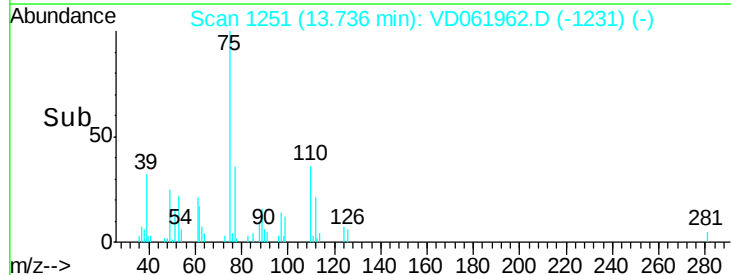
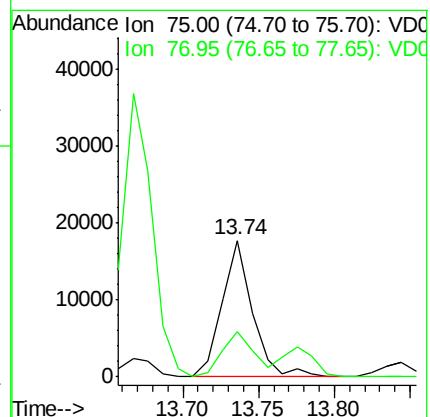
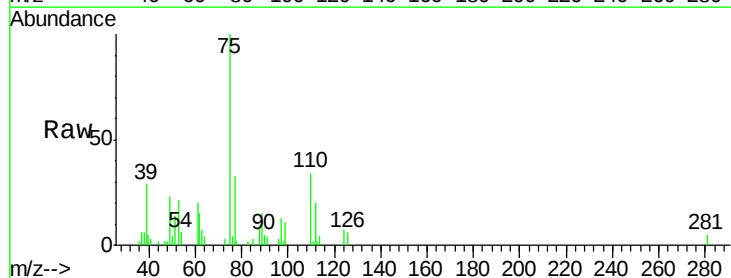
Acq: 23 Apr 2019 10:33

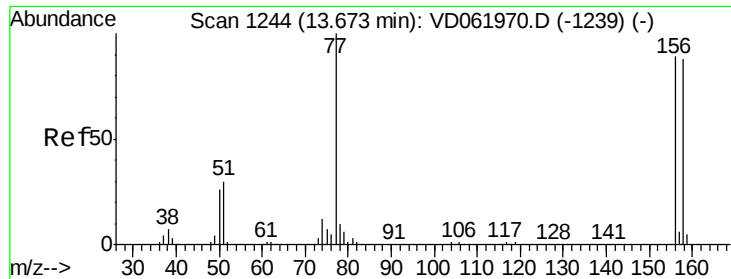
Tgt Ion: 75 Resp: 24972

Ion Ratio Lower Upper

75 100

77 32.9 16.4 49.4

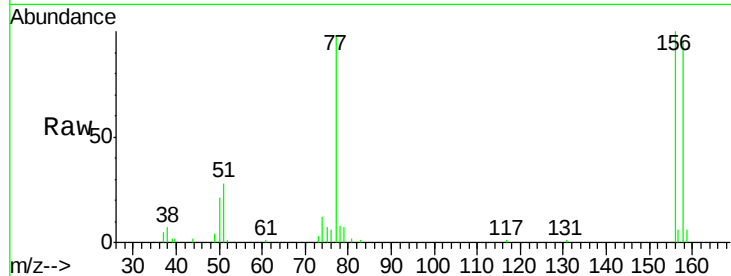




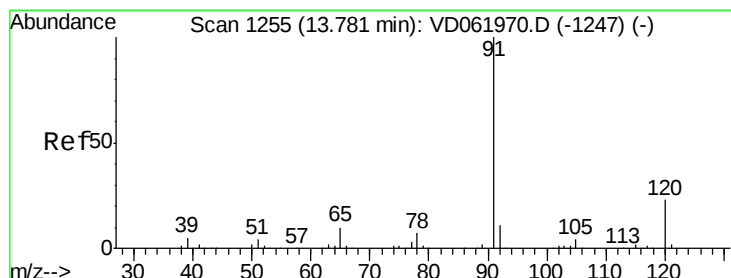
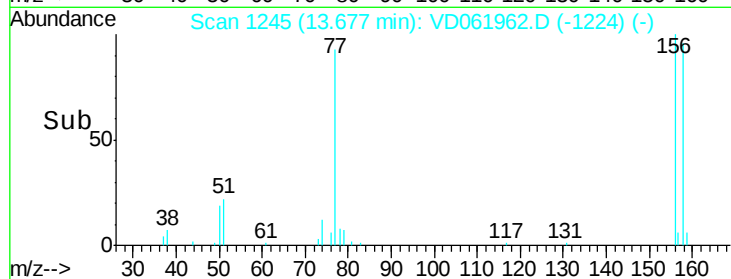
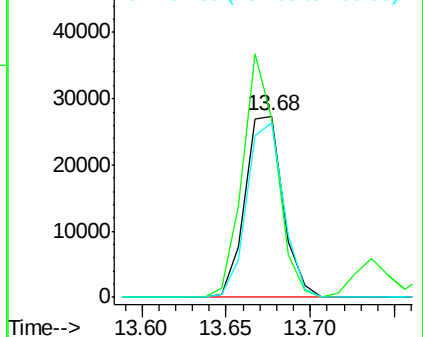
#77
Bromobenzene
Concen: 5.172 ug/l
RT: 13.68 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:156 Resp: 42823
Ion Ratio Lower Upper
156 100
77 98.0 53.1 159.4
158 95.8 49.4 148.0

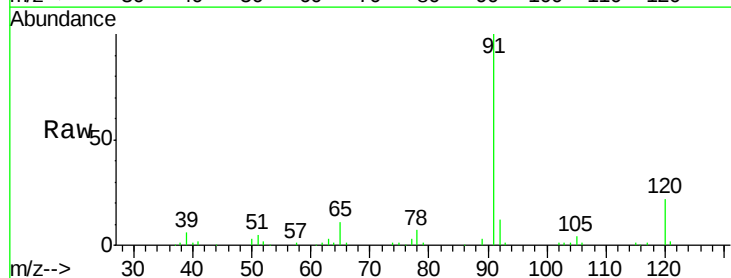


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

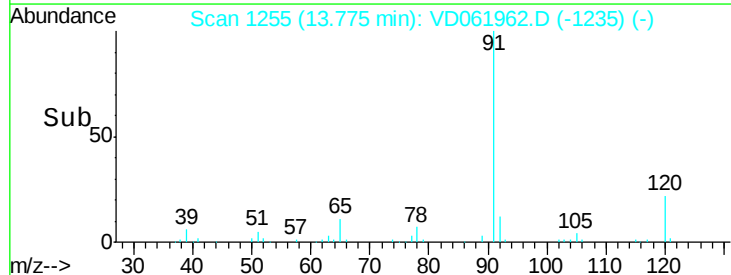
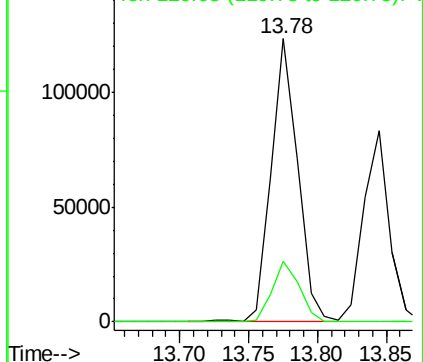


#78
n-propylbenzene
Concen: 4.944 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Tgt Ion: 91 Resp: 165064
Ion Ratio Lower Upper
91 100
120 21.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 5.412 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

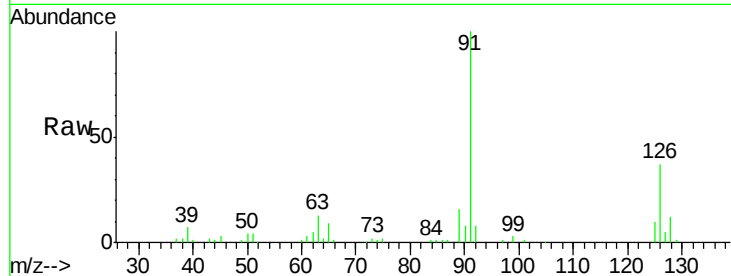
VSTDIC005

Tot Ion: 91 Resp: 107979

Ion Ratio Lower Upper

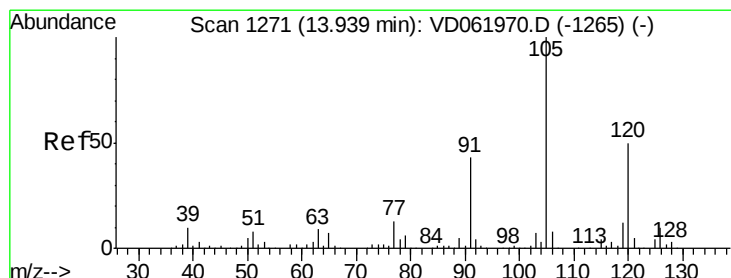
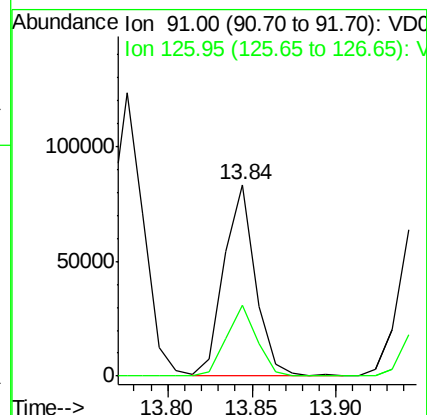
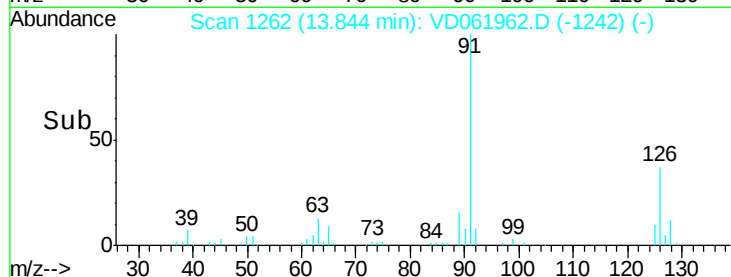
91 100

126 37.3 18.6 55.8



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: 5.069 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD061962.D

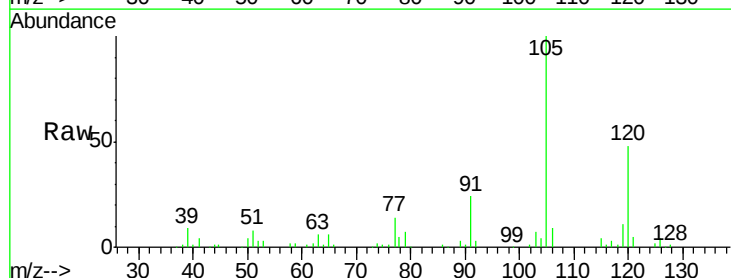
Acq: 23 Apr 2019 10:33

Tgt Ion:105 Resp: 119325

Ion Ratio Lower Upper

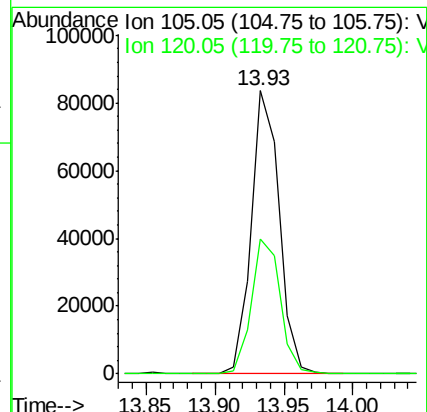
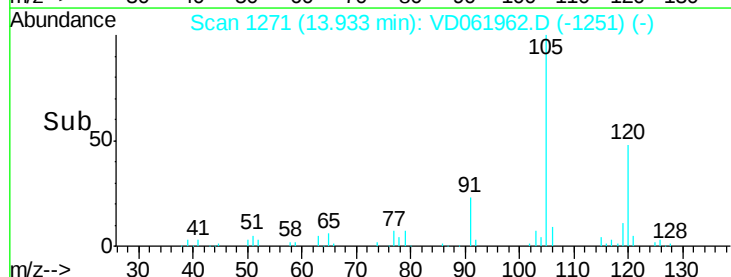
105 100

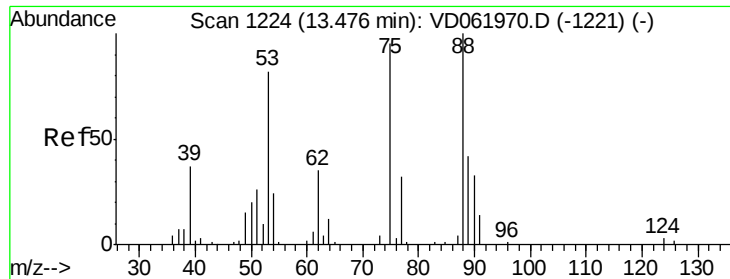
120 47.6 24.0 72.0



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: 4.614 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

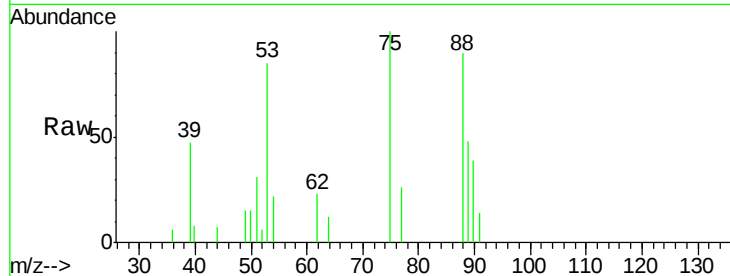
Tot Ion: 75 Resp: 7990

Ion Ratio Lower Upper

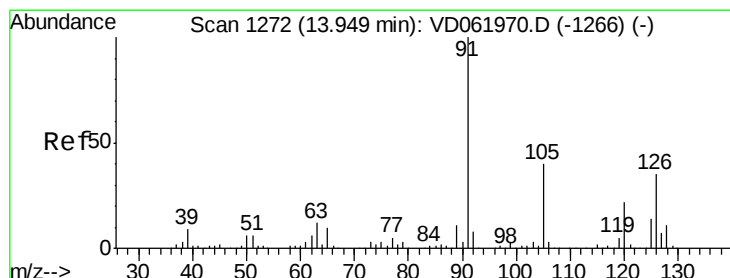
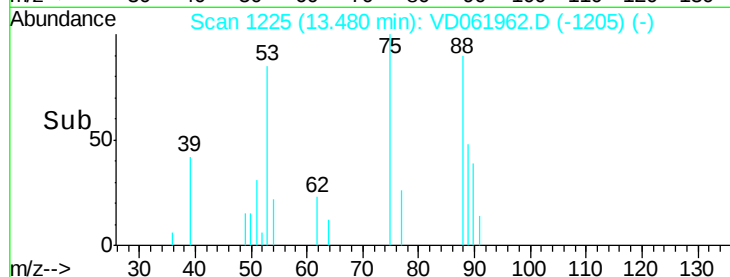
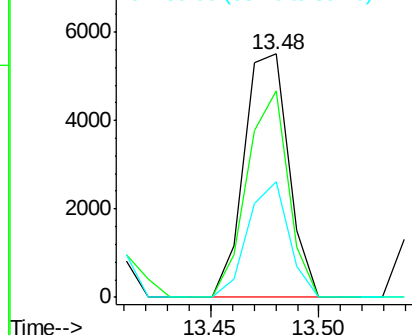
75 100

53 84.9 65.8 98.8

89 47.5 35.0 52.6



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



#82

4-Chlorotoluene

Concen: 5.310 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD061962.D

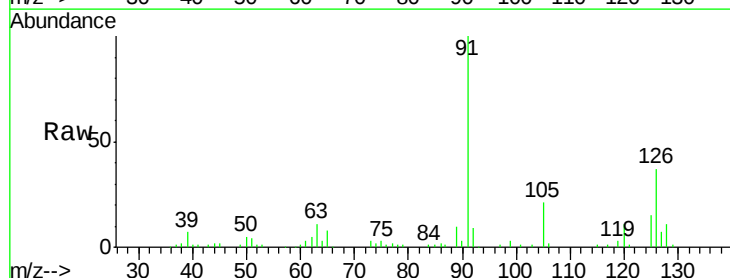
Acq: 23 Apr 2019 10:33

Tgt Ion: 91 Resp: 119378

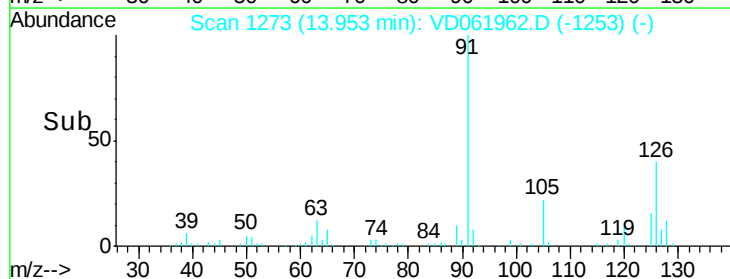
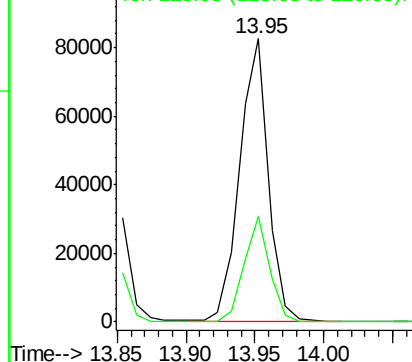
Ion Ratio Lower Upper

91 100

126 37.1 19.1 57.5



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

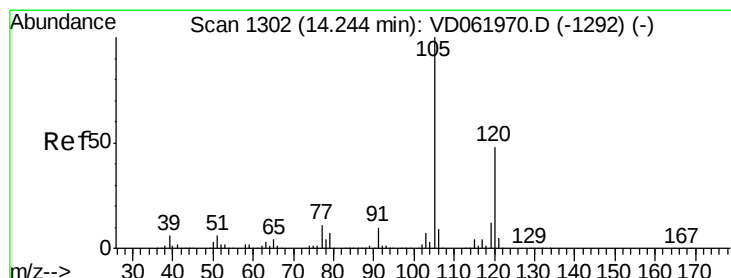
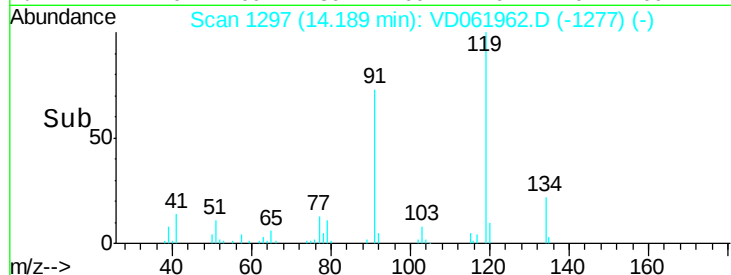
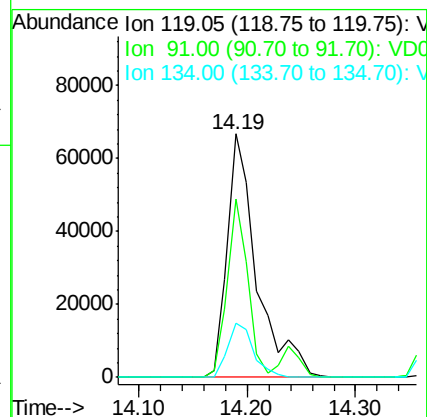
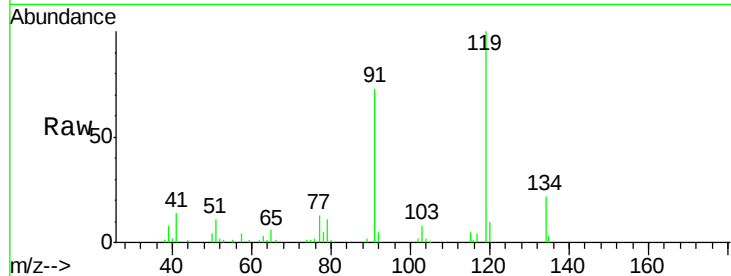




#83
tert-Butylbenzene
Concen: 4.762 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

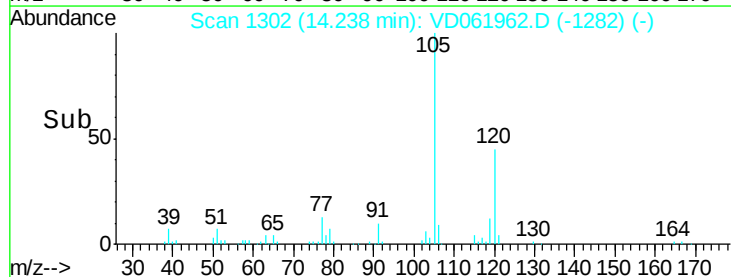
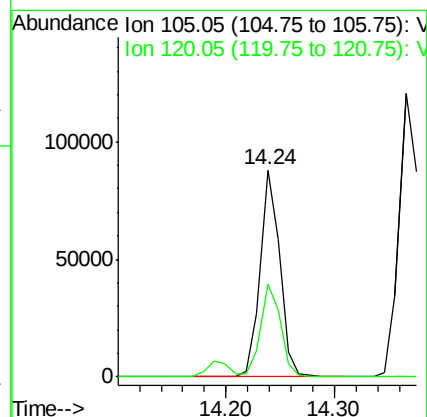
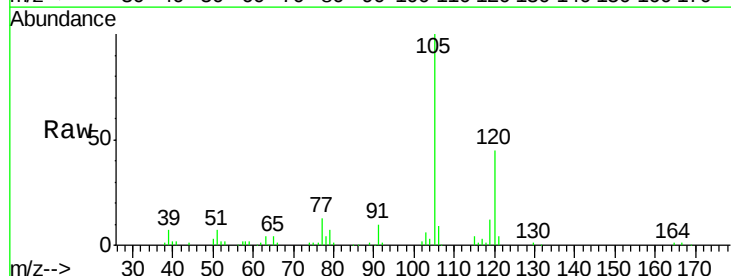
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

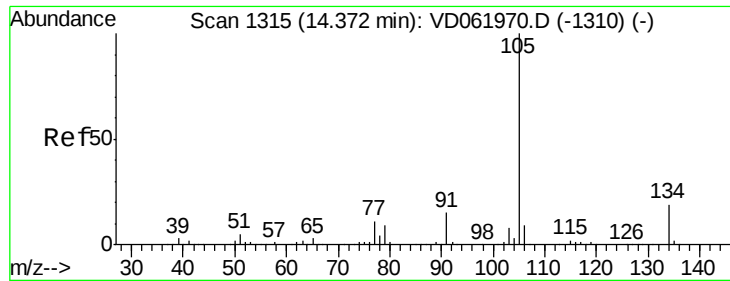
Tot Ion:119 Resp: 127257
Ion Ratio Lower Upper
119 100
91 73.5 34.2 102.6
134 22.5 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 4.839 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Tgt Ion:105 Resp: 111713
Ion Ratio Lower Upper
105 100
120 45.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 5.505 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

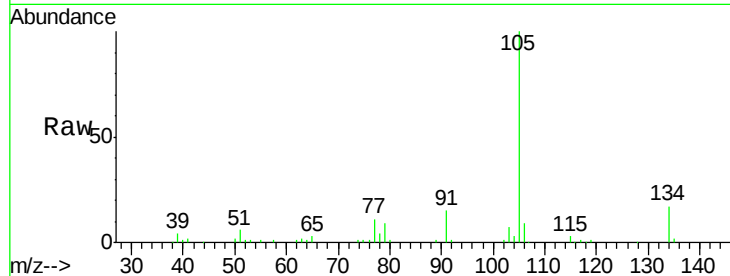
VSTDIC005

Tot Ion:105 Resp: 158350

Ion Ratio Lower Upper

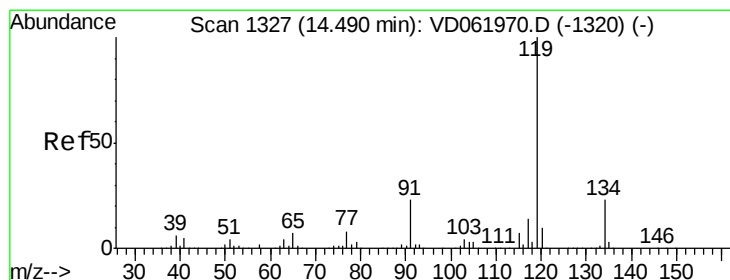
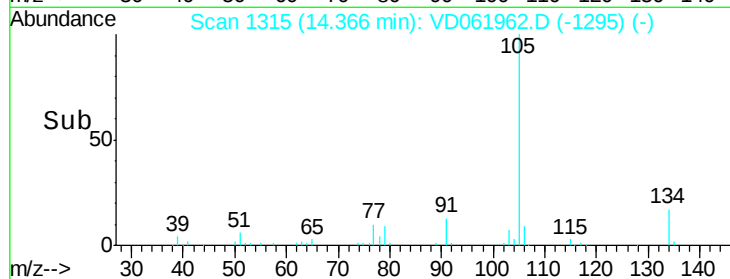
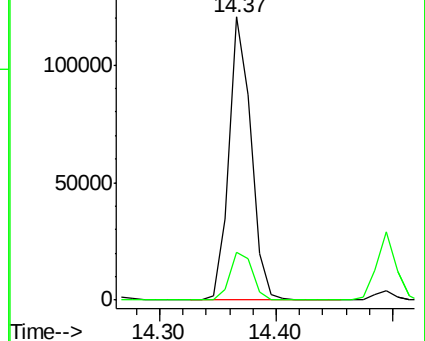
105 100

134 16.9 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 5.310 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. -0.00 min

Lab File: VD061962.D

Acq: 23 Apr 2019 10:33

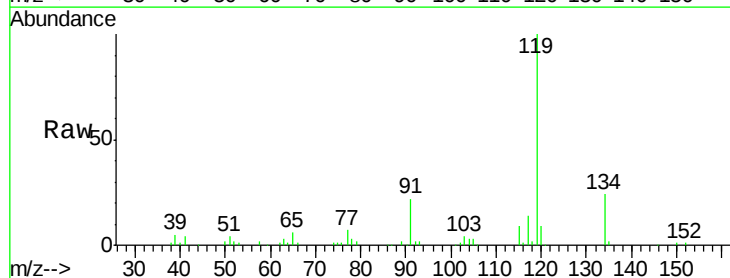
Tgt Ion:119 Resp: 139837

Ion Ratio Lower Upper

119 100

134 24.4 12.8 38.3

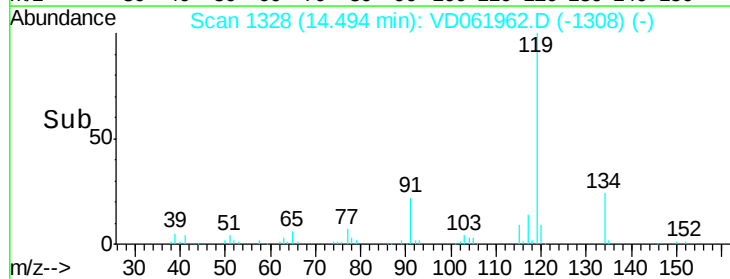
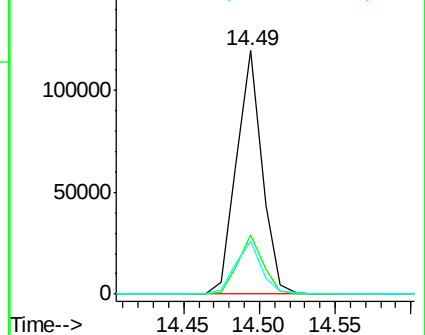
91 21.7 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

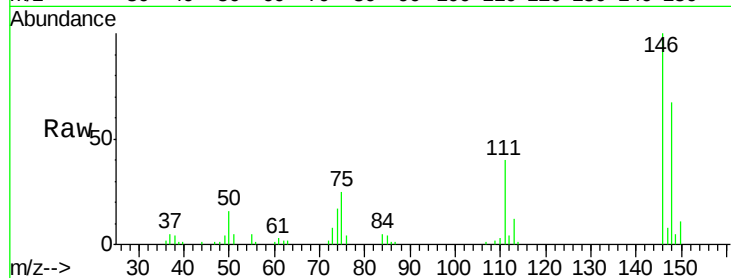




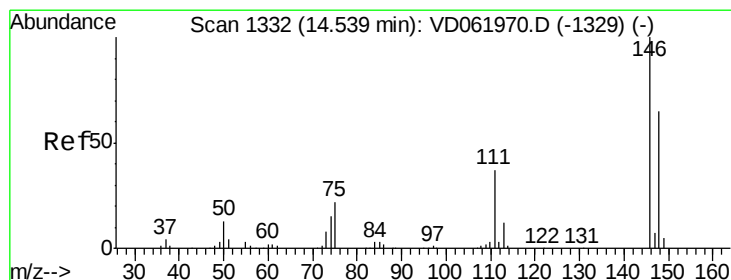
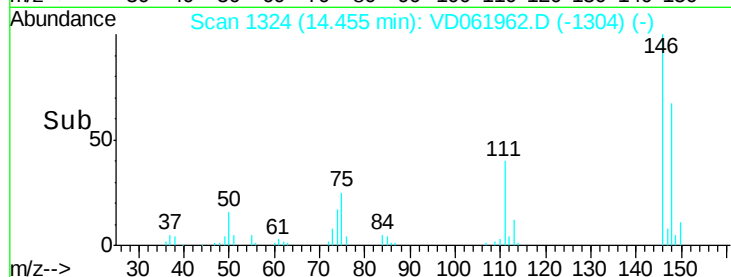
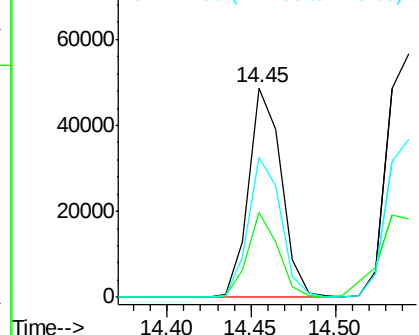
#87
 1,3-Dichlorobenzene
 Concen: 4.405 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:146 Resp: 65960
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 60.0
 148 66.7 31.8 95.4

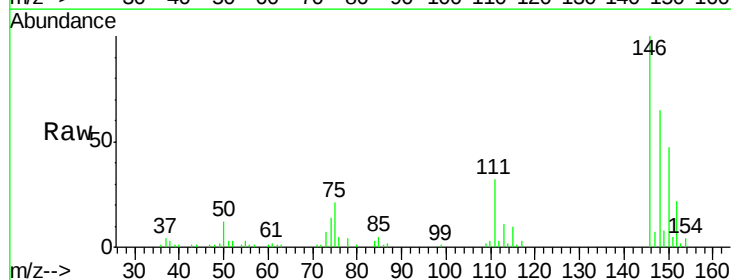


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

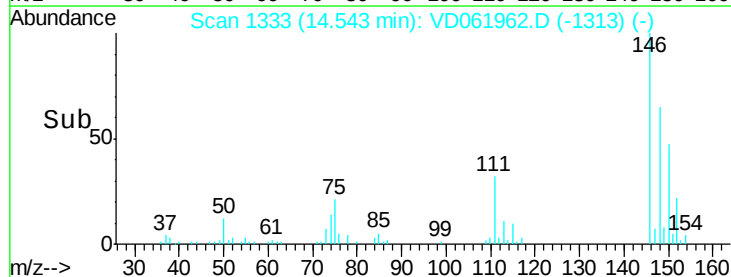
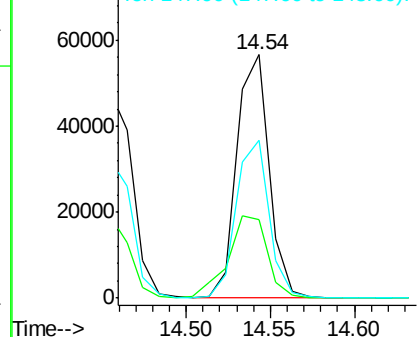


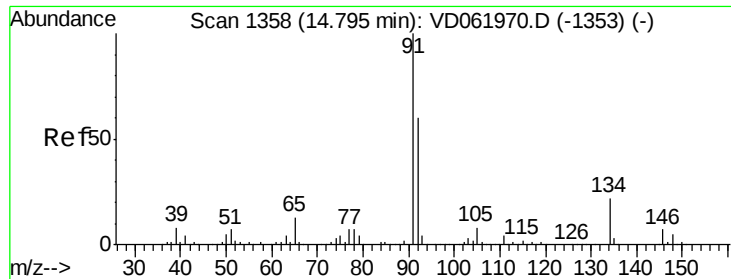
#88
 1,4-Dichlorobenzene
 Concen: 5.337 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

Tgt Ion:146 Resp: 75355
 Ion Ratio Lower Upper
 146 100
 111 32.3 20.2 60.5
 148 64.6 32.0 96.2



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

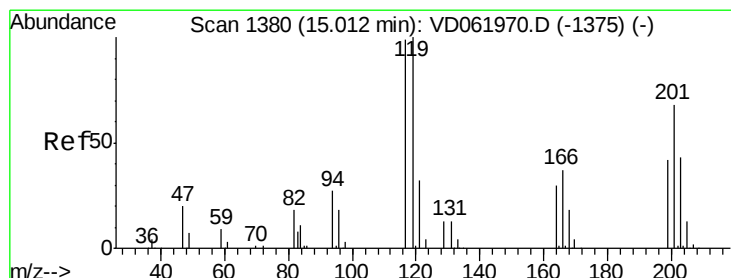
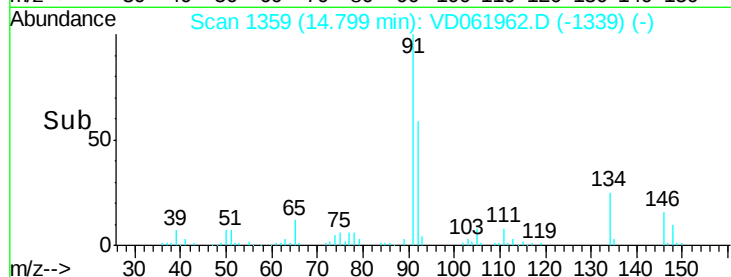
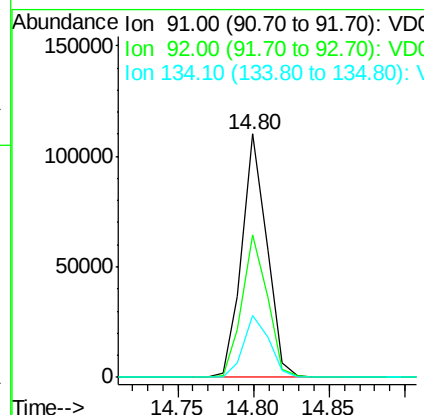
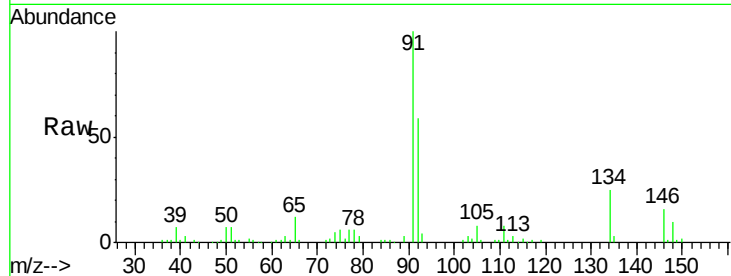




#89
n-Butylbenzene
Concen: 5.256 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

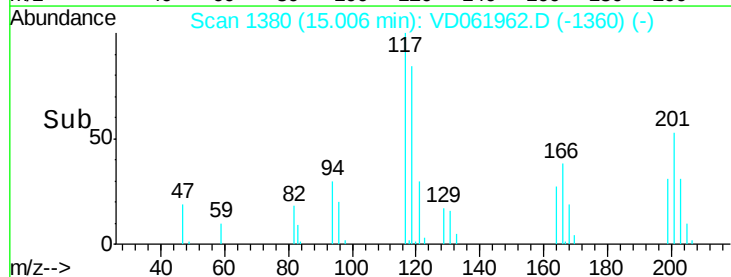
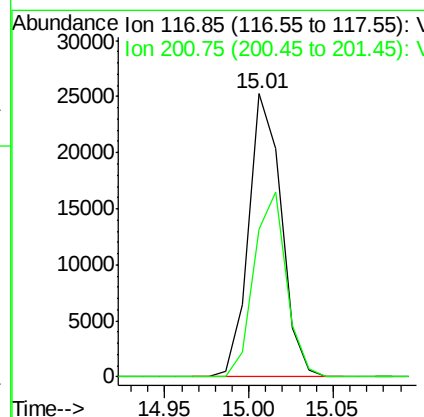
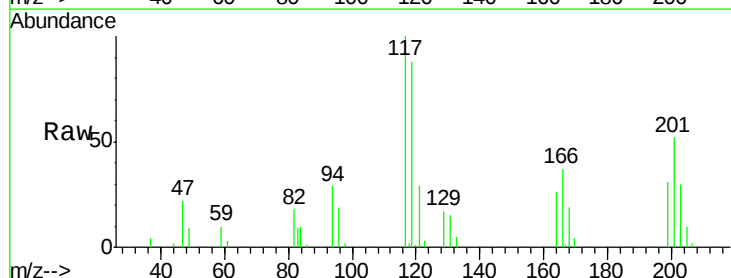
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 125947
Ion Ratio Lower Upper
91 100
92 58.5 30.3 91.0
134 25.4 14.5 43.6



#90
Hexachloroethane
Concen: 4.621 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Tgt Ion: 117 Resp: 33985
Ion Ratio Lower Upper
117 100
201 52.4 30.2 90.6

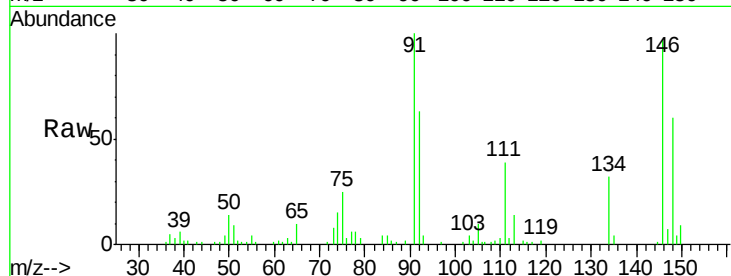




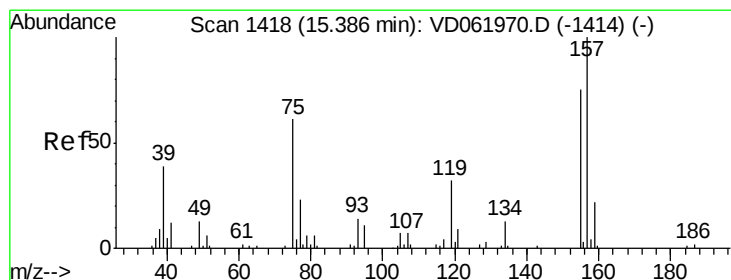
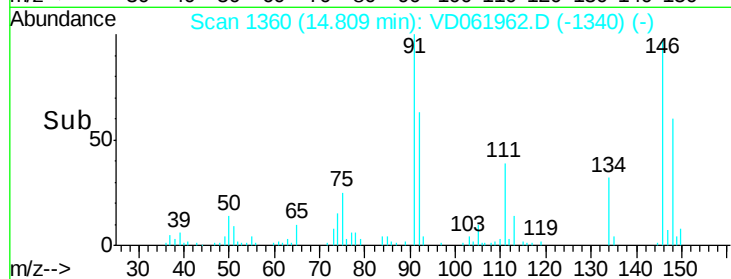
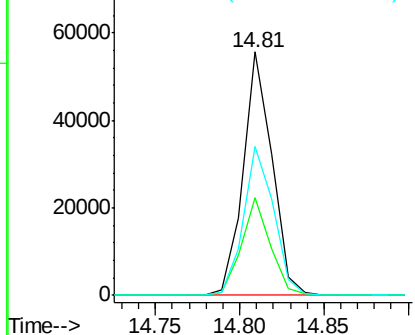
#91
 1,2-Dichlorobenzene
 Concen: 5.151 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:146 Resp: 66140
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.0 59.9
 148 61.3 32.3 96.8

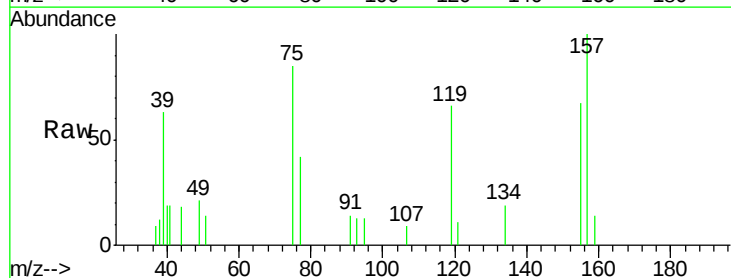


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

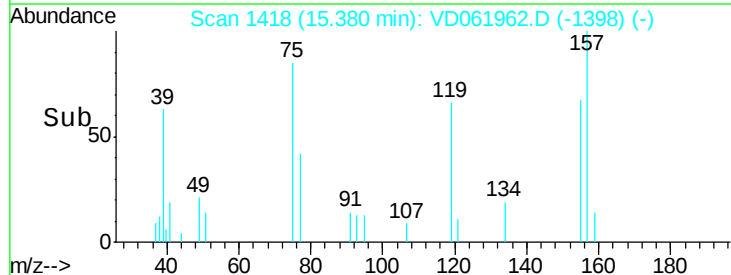
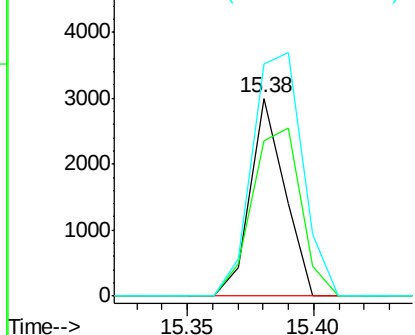


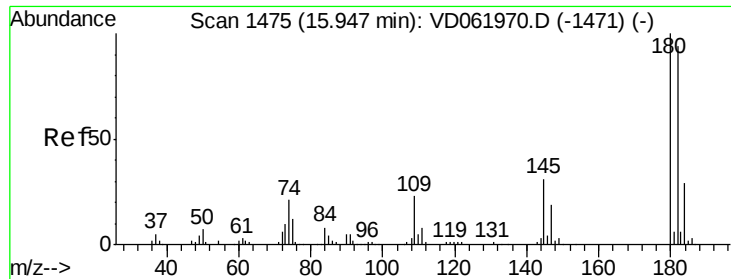
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.541 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

Tgt Ion: 75 Resp: 2861
 Ion Ratio Lower Upper
 75 100
 155 78.2 55.3 165.8
 157 117.6 67.8 203.2



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

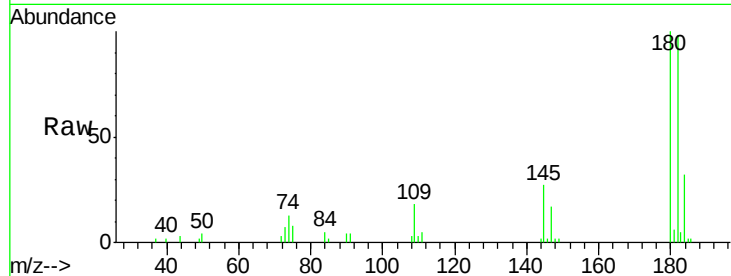




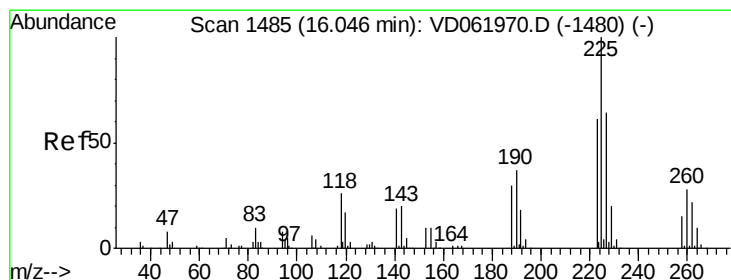
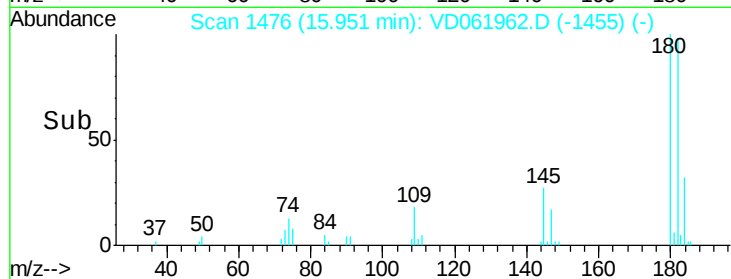
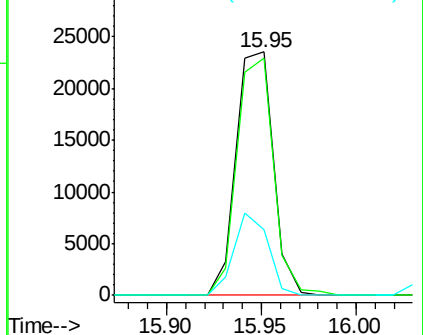
#93
 1,2,4-Trichlorobenzene
 Concen: 4.959 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 31926
 Ion Ratio Lower Upper
 180 100
 182 97.6 49.3 147.8
 145 26.8 16.2 48.6

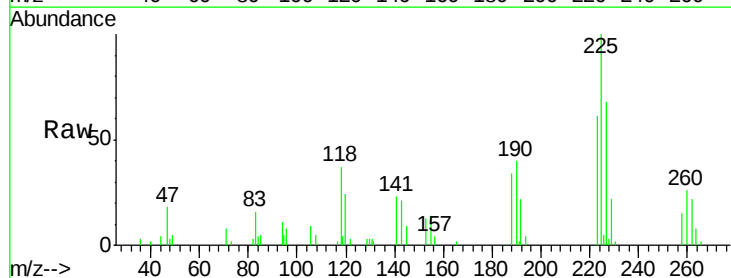


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

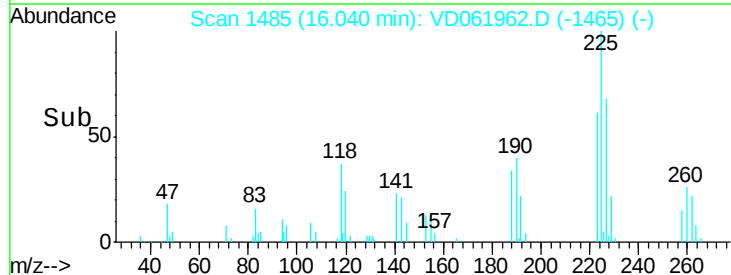
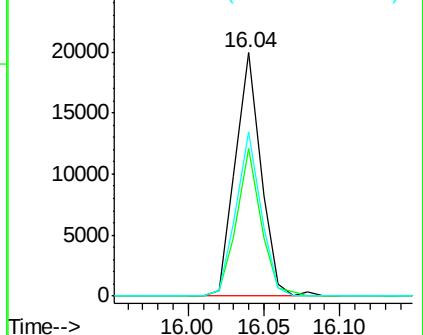


#94
 Hexachlorobutadiene
 Concen: 5.005 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD061962.D
 Acq: 23 Apr 2019 10:33

Tgt Ion:225 Resp: 23454
 Ion Ratio Lower Upper
 225 100
 223 60.8 30.6 92.0
 227 67.7 32.0 96.2



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

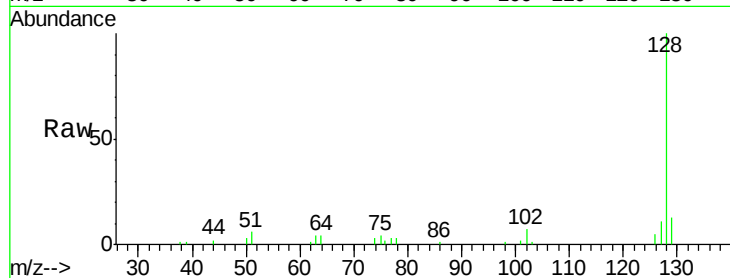




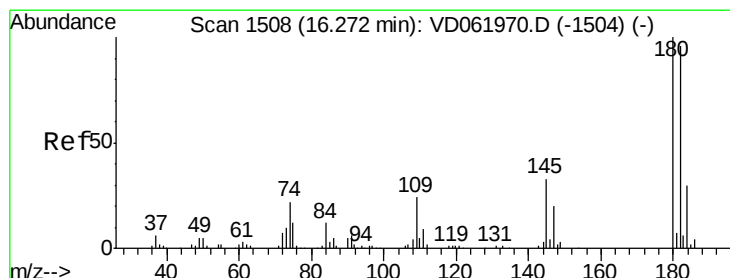
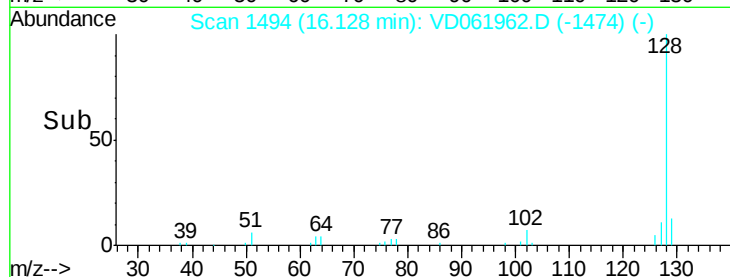
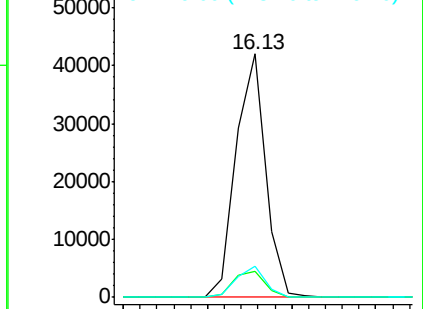
#95
Naphthalene
Concen: 4.968 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 51356
Ion Ratio Lower Upper
128 100
127 10.7 9.8 14.8
129 12.6 8.8 13.2

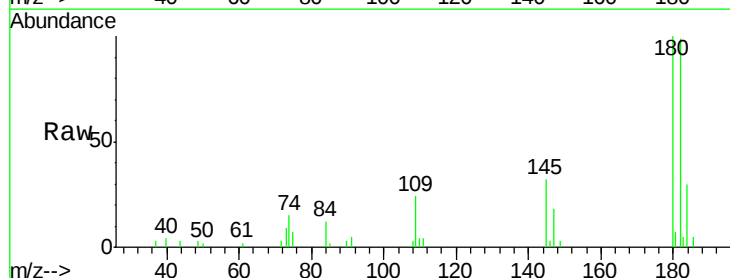


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.837 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061962.D
Acq: 23 Apr 2019 10:33

Tgt Ion:180 Resp: 17324
Ion Ratio Lower Upper
180 100
182 98.5 47.0 141.0
145 31.8 17.0 51.0



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

