

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD042319\
 Data File : VD061967.D
 Acq On : 23 Apr 2019 12:51
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Apr 23 13:18:17 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	592633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1022943	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	823877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	343406	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	468752	84.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	168.36%	
35) Dibromofluoromethane	6.93	113	657595	83.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.26%	
50) Toluene-d8	10.41	98	1614431	91.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.92%	
62) 4-Bromofluorobenzene	13.55	95	613926	79.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.70%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.57	85	542873	94.950 ug/l	98
3) Chloromethane	1.75	50	426539	94.632 ug/l	99
4) Vinyl Chloride	1.85	62	422946	104.674 ug/l	99
5) Bromomethane	2.15	94	85528	68.655 ug/l	98
6) Chloroethane	2.25	64	143846	93.478 ug/l	98
7) Trichlorofluoromethane	2.53	101	641862	98.093 ug/l	99
8) Diethyl Ether	2.87	74	166592	97.107 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	538853	92.568 ug/l	99
10) Methyl Iodide	3.31	142	932583	108.402 ug/l	99
11) Tert butyl alcohol	4.06	59	129559	436.786 ug/l	99
12) 1,1-Dichloroethene	3.13	96	467974	99.242 ug/l	97
13) Acrolein	3.04	56	137689	635.892 ug/l	97
14) Allyl chloride	3.62	41	667046	96.823 ug/l	97
15) Acrylonitrile	4.19	53	383415	415.403 ug/l	93
16) Acetone	3.22	43	579104	561.142 ug/l	99
17) Carbon Disulfide	3.38	76	1451428	103.754 ug/l	99
18) Methyl Acetate	3.64	43	197297	75.703 ug/l	100
19) Methyl tert-butyl Ether	4.24	73	916993	84.275 ug/l	94
20) Methylene Chloride	3.82	84	527409	79.522 ug/l	99
21) trans-1,2-Dichloroethene	4.21	96	523641	91.105 ug/l	95
22) Diisopropyl ether	5.12	45	1455658	85.525 ug/l	97
23) Vinyl Acetate	5.06	43	3864534	426.364 ug/l	99
24) 1,1-Dichloroethane	4.99	63	842503	84.105 ug/l	100
25) 2-Butanone	6.07	43	638342	443.970 ug/l	98
26) 2,2-Dichloropropane	6.02	77	776565	93.909 ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	601265	88.646 ug/l	96
28) Bromochloromethane	6.44	49	310662	78.691 ug/l	96
29) Tetrahydrofuran	6.46	42	287895	384.596 ug/l	97
30) Chloroform	6.66	83	1014712	86.321 ug/l	99
31) Cyclohexane	6.96	56	636386	89.473 ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	863782	84.043 ug/l	98
36) 1,1-Dichloropropene	7.16	75	743541	90.732 ug/l	98
37) Ethyl Acetate	6.18	43	300762	79.491 ug/l	96
38) Carbon Tetrachloride	7.12	117	971768	92.879 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	781749	96.704	ug/l	99
40) Benzene	7.46	78	1928578	93.634	ug/l	98
41) Methacrylonitrile	6.45	41	338711	75.633	ug/l	95
42) 1,2-Dichloroethane	7.58	62	648124	85.712	ug/l	99
43) Isopropyl Acetate	9.24	43	521787	94.655	ug/l #	97
44) Trichloroethene	8.54	130	761242	99.486	ug/l	98
45) 1,2-Dichloropropane	8.95	63	489233	93.151	ug/l	98
46) Dibromomethane	9.07	93	364074	91.373	ug/l	97
47) Bromodichloromethane	9.38	83	885285	96.962	ug/l	98
48) Methyl methacrylate	9.12	41	278718	88.619	ug/l	98
49) 1,4-Dioxane	9.09	88	61808	1901.840	ug/l	94
51) 4-Methyl-2-Pentanone	10.31	43	1361212	386.518	ug/l	99
52) Toluene	10.51	92	1161564	87.653	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	674994	83.269	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	838571	89.046	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	408602	85.682	ug/l	98
56) Ethyl methacrylate	11.04	69	447534	88.348	ug/l	99
57) 1,3-Dichloropropane	11.41	76	665623	93.678	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	975644	401.426	ug/l	99
59) 2-Hexanone	11.54	43	1011628	408.314	ug/l	99
60) Dibromochloromethane	11.68	129	688467	89.683	ug/l	97
61) 1,2-Dibromoethane	11.81	107	508703	89.027	ug/l	96
64) Tetrachloroethene	11.26	164	582743	97.136	ug/l	97
65) Chlorobenzene	12.40	112	1480553	93.636	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	607997	93.150	ug/l	98
67) Ethyl Benzene	12.53	91	2179845	90.797	ug/l	99
68) m/p-Xylenes	12.67	106	1619394	176.346	ug/l	98
69) o-Xylene	13.05	106	731625	83.714	ug/l	100
70) Styrene	13.07	104	1200678	79.392	ug/l	97
71) Bromoform	13.24	173	385400	95.657	ug/l	98
73) Isopropylbenzene	13.41	105	2185721	99.812	ug/l	97
74) N-amyl acetate	13.27	43	598129	100.421	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	448273	94.966	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	445982	97.803	ug/l	98
77) Bromobenzene	13.67	156	664978	103.137	ug/l	92
78) n-propylbenzene	13.78	91	2410096	92.714	ug/l	96
79) 2-Chlorotoluene	13.84	91	1464185	94.251	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1722300	93.961	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	143558	106.477	ug/l	98
82) 4-Chlorotoluene	13.95	91	1611317	92.054	ug/l	93
83) tert-Butylbenzene	14.19	119	2060045	99.006	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1702645	94.715	ug/l	98
85) sec-Butylbenzene	14.37	105	2056631	91.831	ug/l	97
86) p-Isopropyltoluene	14.49	119	1765000	86.078	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	1111631	95.341	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	937533	85.284	ug/l	98
89) n-Butylbenzene	14.80	91	1543567	82.729	ug/l	96
90) Hexachloroethane	15.01	117	538529	94.040	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	807908	80.815	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	67131	106.715	ug/l	80

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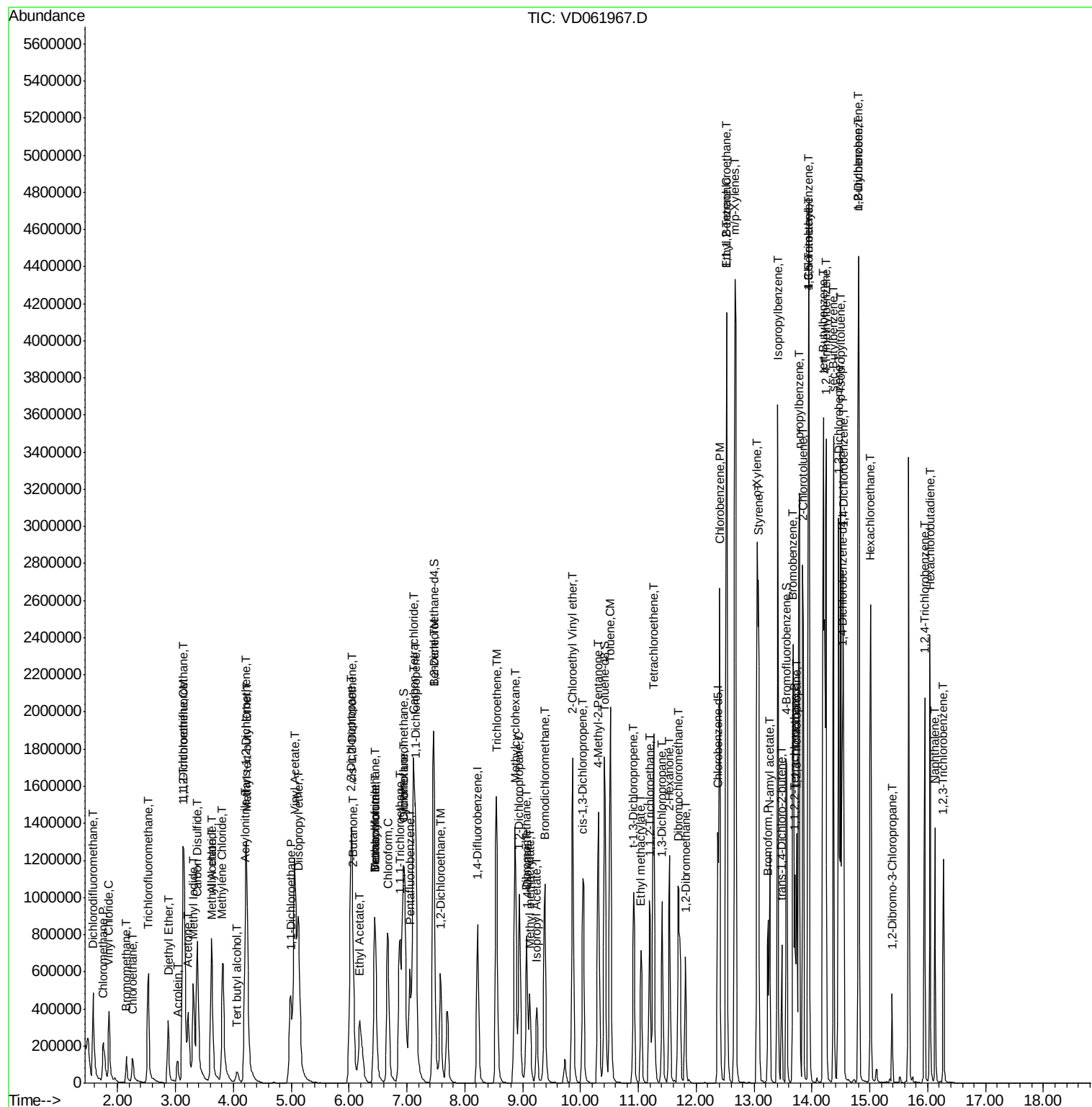
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	519640	103.663	ug/l	96
94) Hexachlorobutadiene	16.04	225	402538	110.311	ug/l	98
95) Naphthalene	16.12	128	841542	104.555	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	304529	109.210	ug/l	98

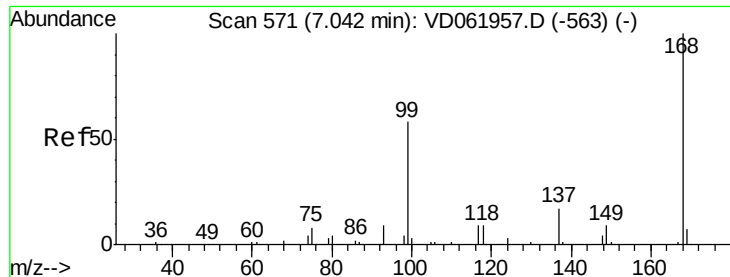
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD042319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

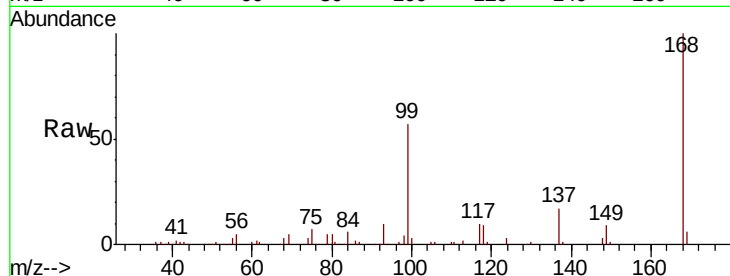
VSTDIC100

Tgt Ion:168 Resp: 592633

Ion Ratio Lower Upper

168 100

99 56.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

200000

150000

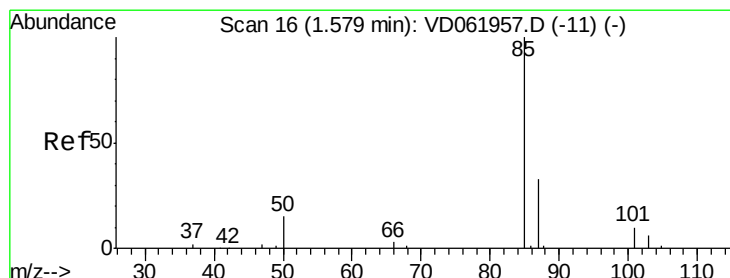
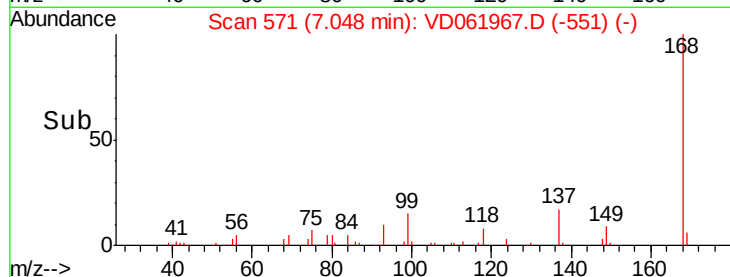
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 94.950 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061967.D

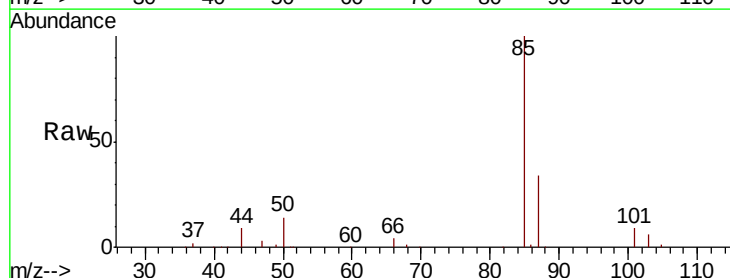
Acq: 23 Apr 2019 12:51

Tgt Ion: 85 Resp: 542873

Ion Ratio Lower Upper

85 100

87 33.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

300000

250000

200000

150000

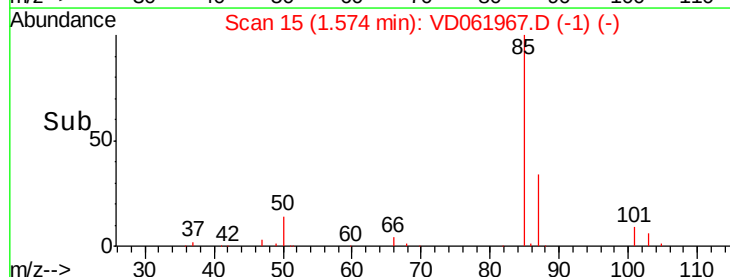
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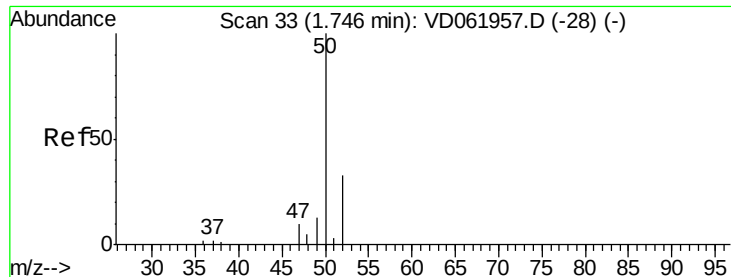
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 94.632 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

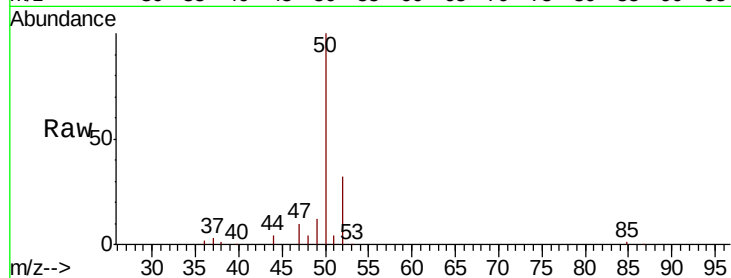
VSTDIC100

Tgt Ion: 50 Resp: 426539

Ion Ratio Lower Upper

50 100

52 32.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

150000

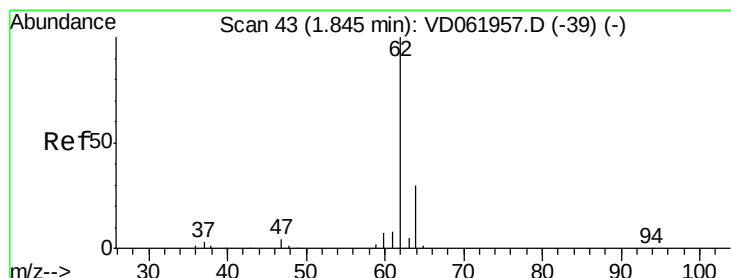
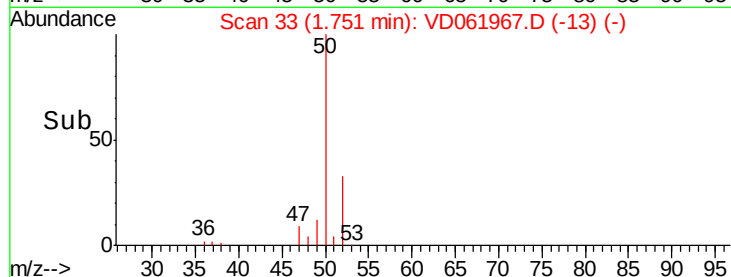
100000

50000

0

1.60 1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 104.674 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061967.D

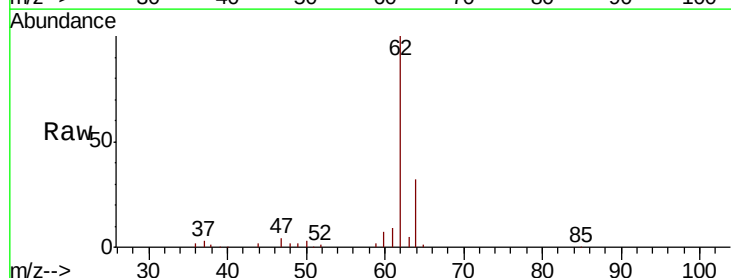
Acq: 23 Apr 2019 12:51

Tgt Ion: 62 Resp: 422946

Ion Ratio Lower Upper

62 100

64 32.5 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

250000

200000

150000

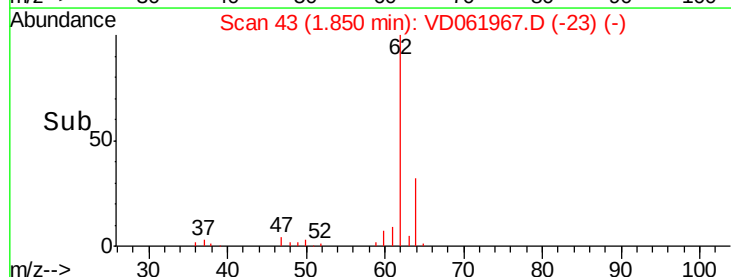
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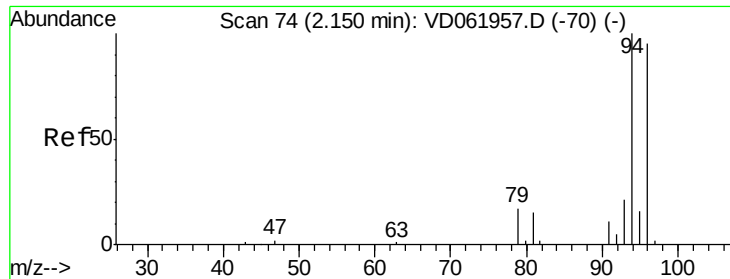
50000

0

1.70 1.80 1.90 2.00

Time-->

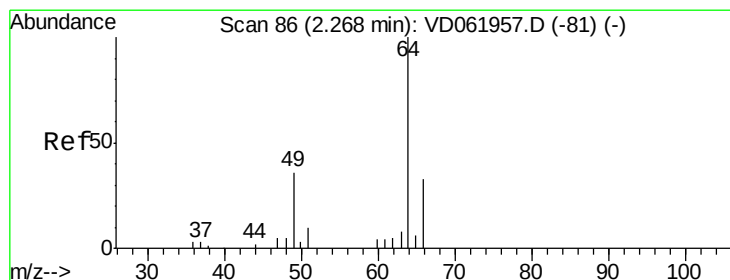
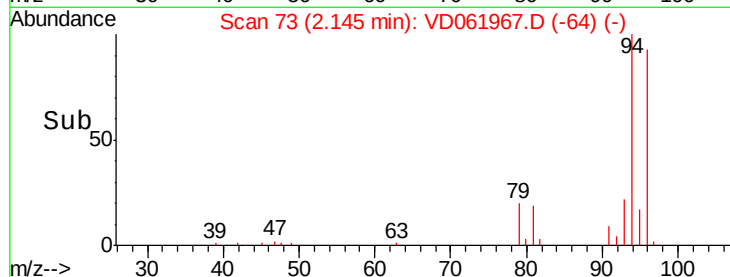
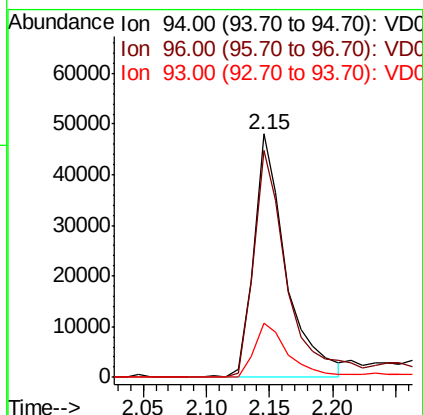
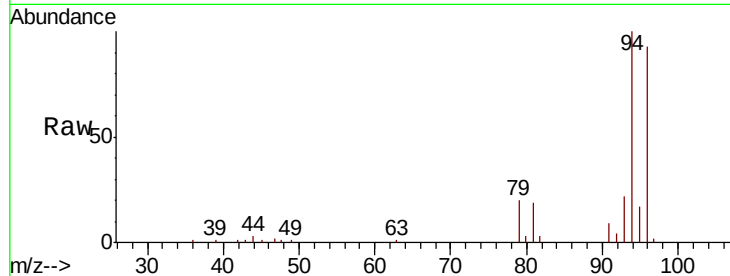




#5
Bromomethane
Concen: 68.655 ug/l
RT: 2.15 min Scan# 73
Delta R.T. -0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

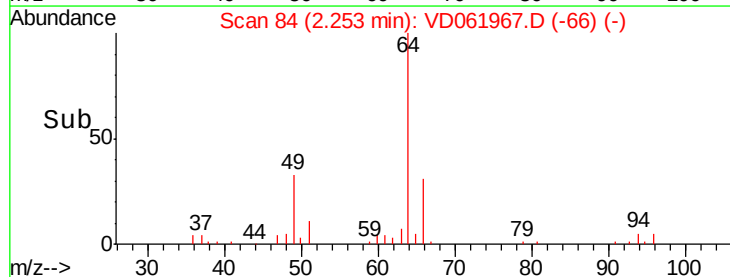
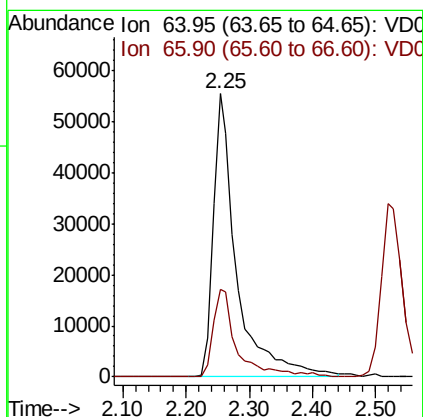
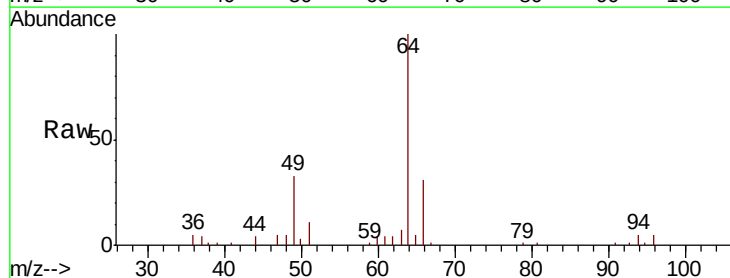
Instrument :
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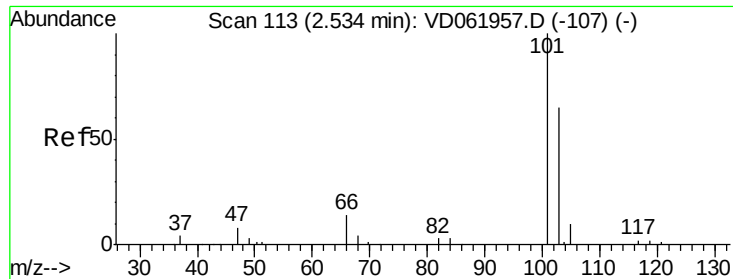
Tgt Ion: 94 Resp: 85528
Ion Ratio Lower Upper
94 100
96 93.4 76.6 115.0
93 22.1 18.5 27.7



#6
Chloroethane
Concen: 93.478 ug/l
RT: 2.25 min Scan# 84
Delta R.T. -0.02 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Tgt Ion: 64 Resp: 143846
Ion Ratio Lower Upper
64 100
66 31.1 25.6 38.4



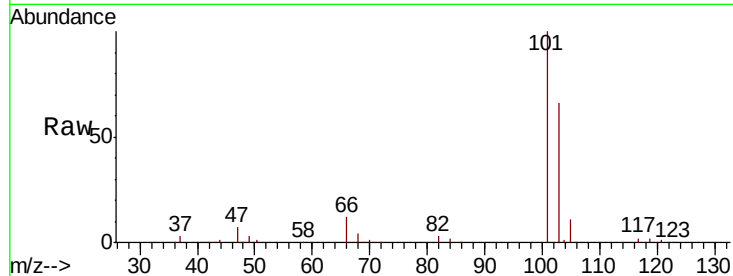


#7

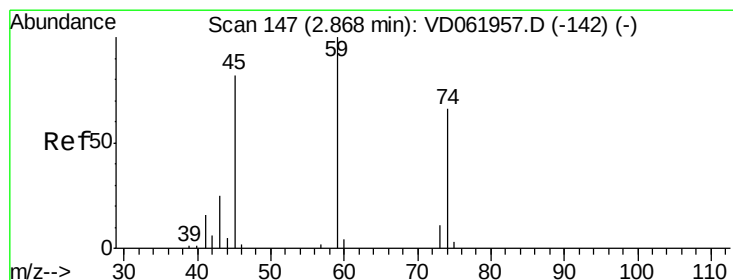
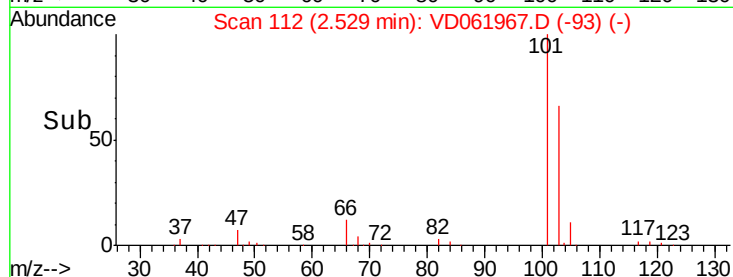
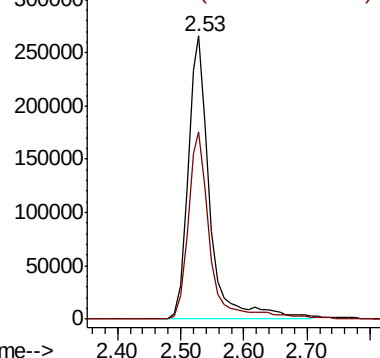
Trichlorofluoromethane
Concen: 98.093 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 101 Resp: 641862
Ion Ratio Lower Upper
101 100
103 66.0 53.6 80.4



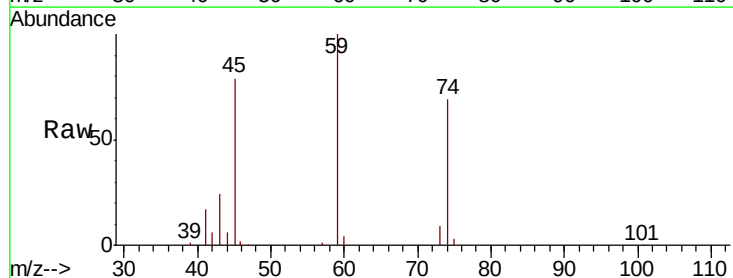
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



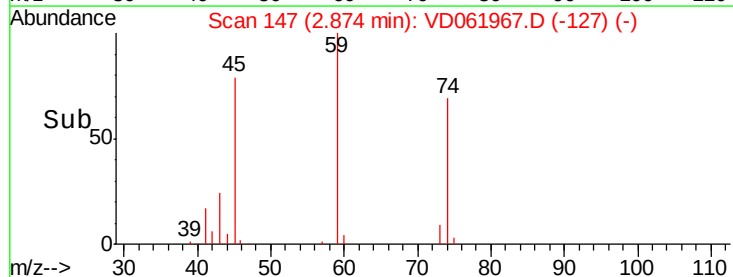
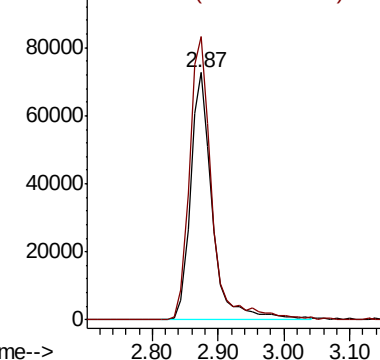
#8

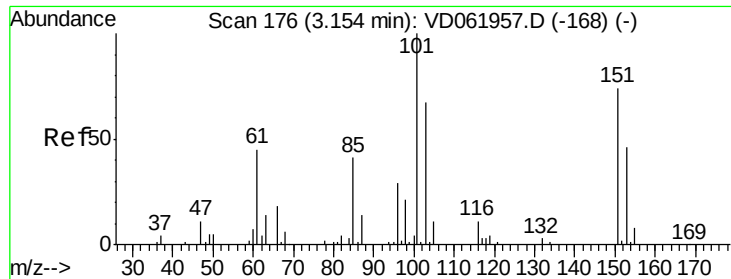
Diethyl Ether
Concen: 97.107 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Tgt Ion: 74 Resp: 166592
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: 92.568 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

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ClientSampleId :

VSTDIC100

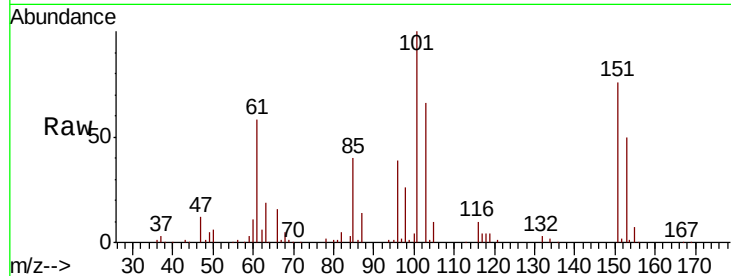
Tgt Ion:101 Resp: 538853

Ion Ratio Lower Upper

101 100

85 40.3 32.4 48.6

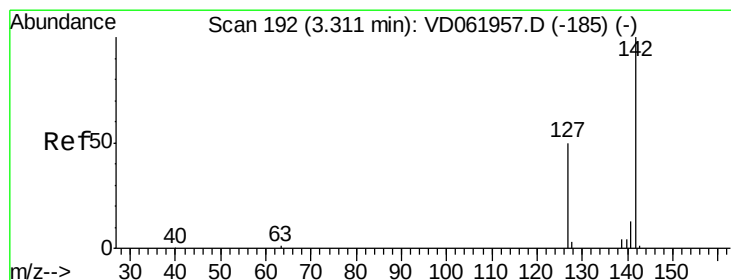
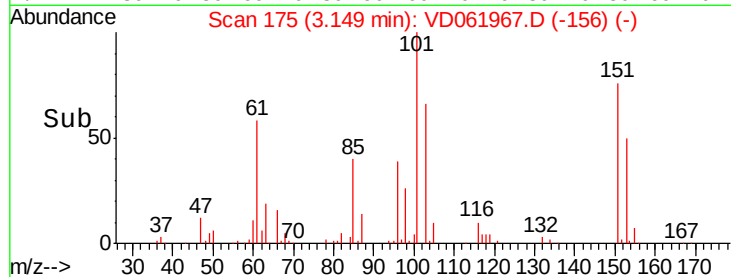
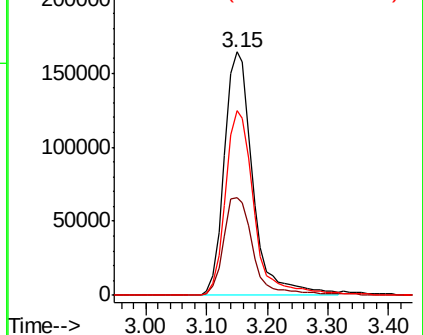
151 75.9 59.4 89.0



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: 108.402 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

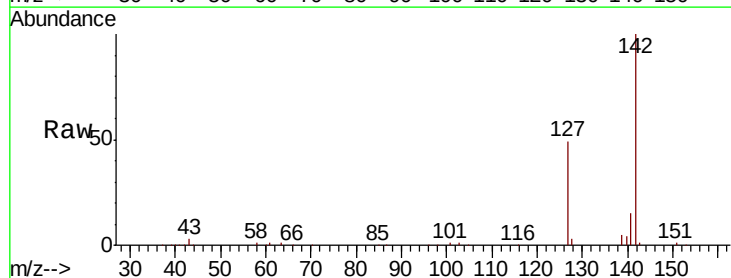
Tgt Ion:142 Resp: 932583

Ion Ratio Lower Upper

142 100

127 48.9 38.8 58.2

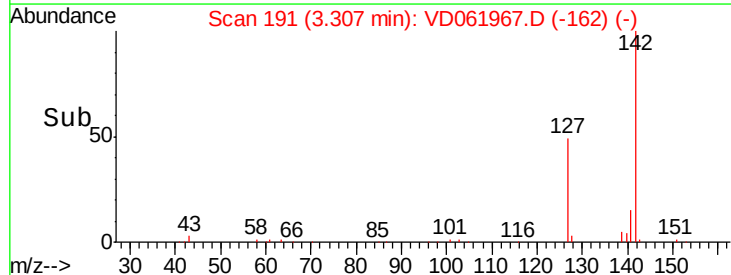
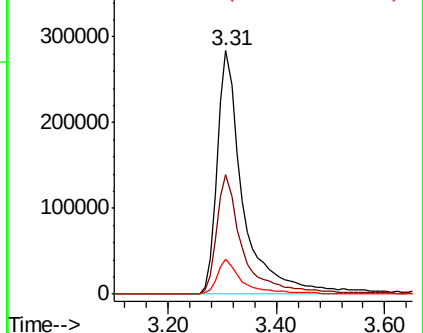
141 14.6 11.4 17.0

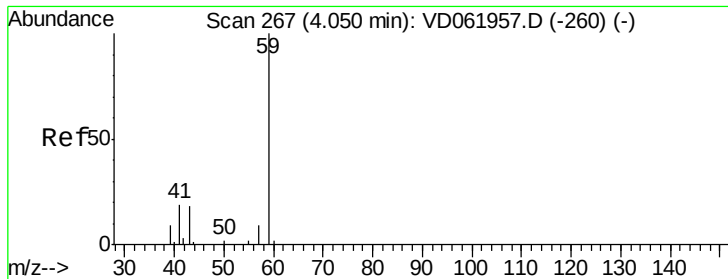


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

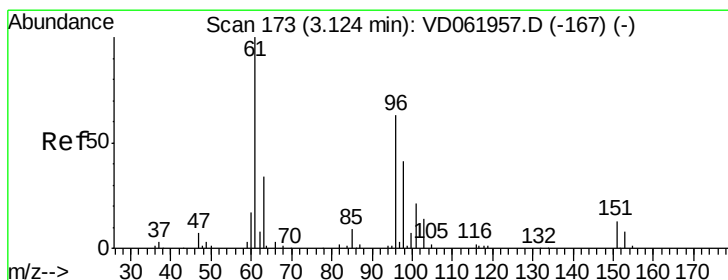
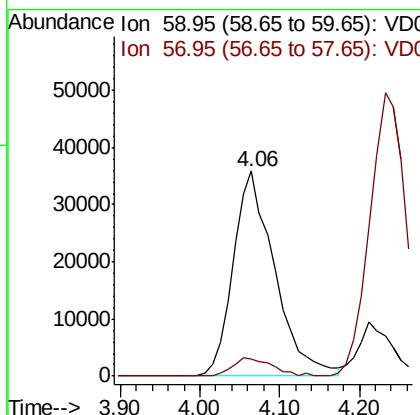
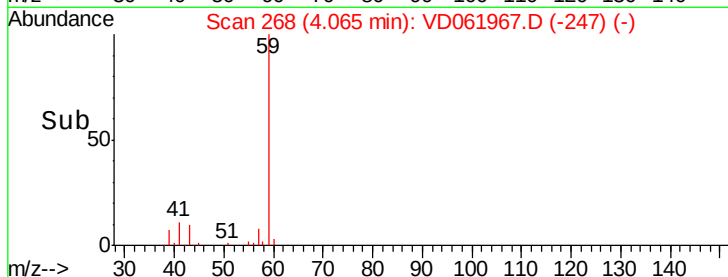
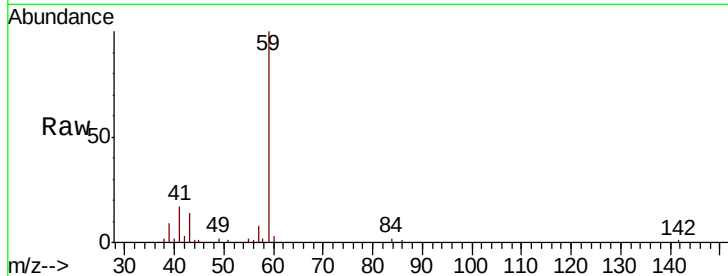




#11
Tert butyl alcohol
Concen: 436.786 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

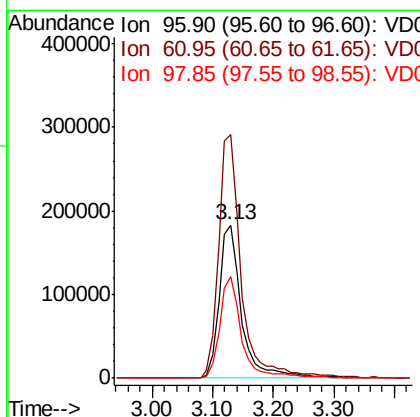
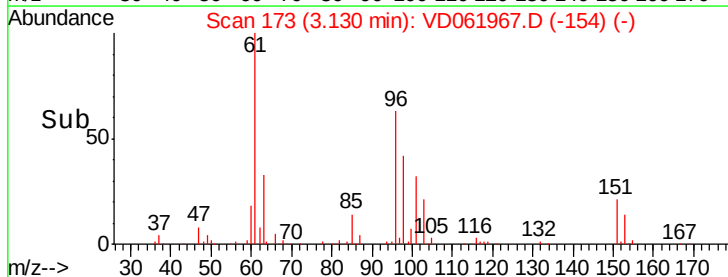
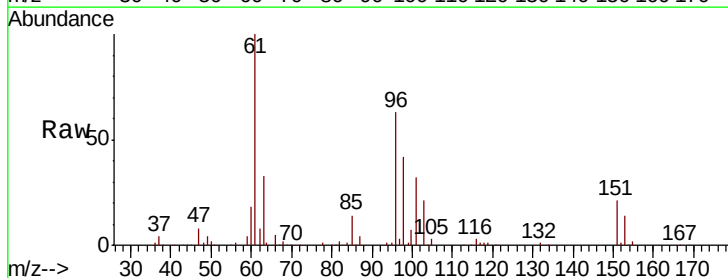
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

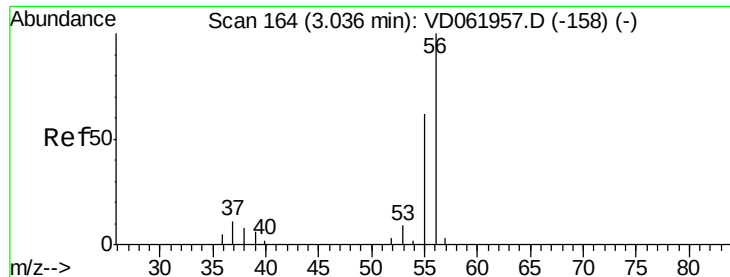
Tgt Ion: 59 Resp: 129559
Ion Ratio Lower Upper
59 100
57 8.2 6.9 10.3



#12
1,1-Dichloroethene
Concen: 99.242 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Tgt Ion: 96 Resp: 467974
Ion Ratio Lower Upper
96 100
61 159.1 129.8 194.8
98 66.2 51.2 76.8

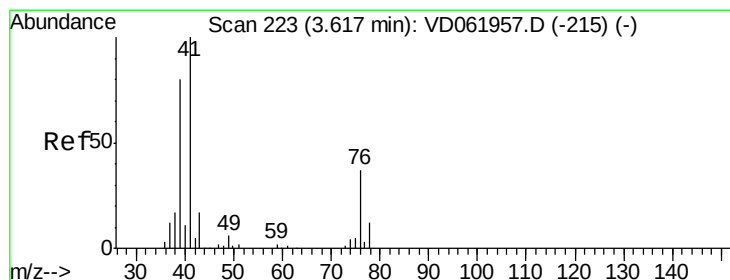
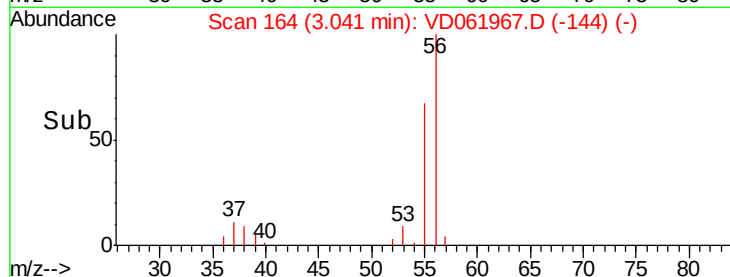
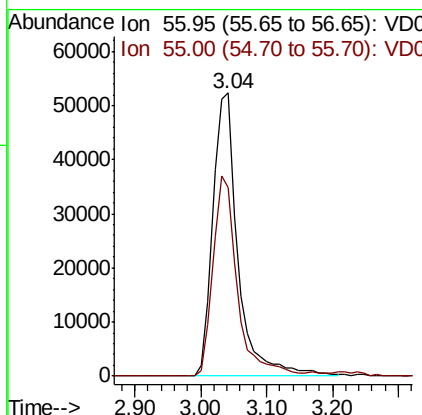
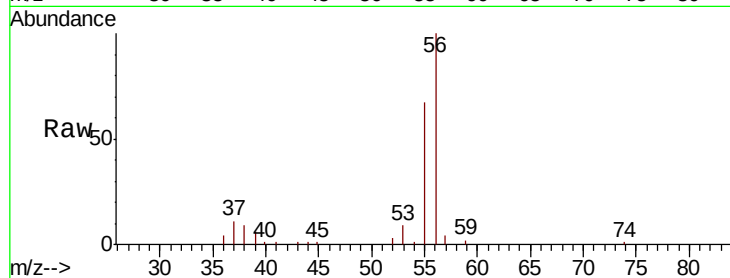




#13
 Acrolein
 Concen: 635.892 ug/l
 RT: 3.04 min Scan# 164
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

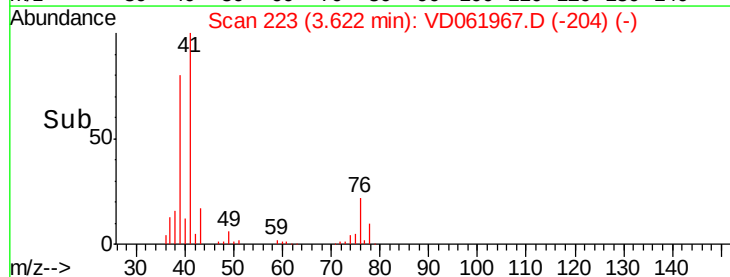
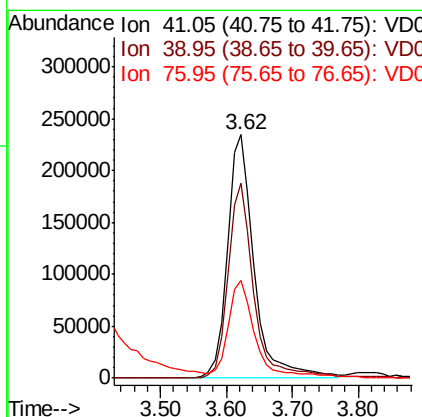
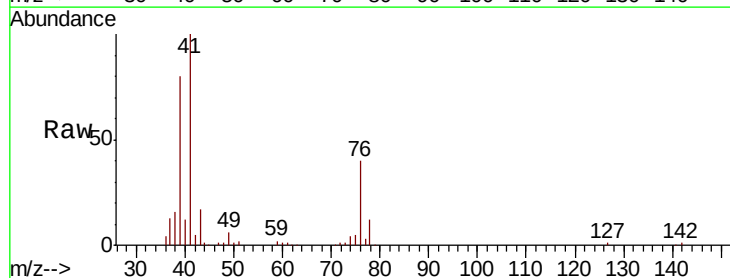
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

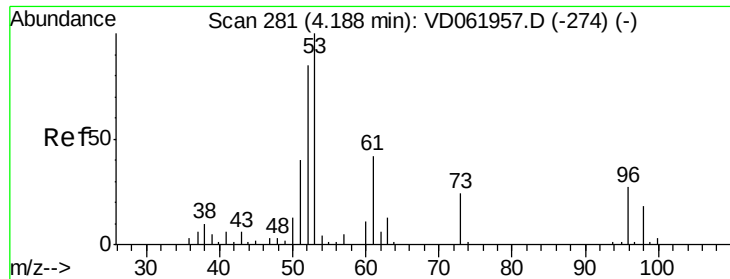
Tgt Ion: 56 Resp: 137689
 Ion Ratio Lower Upper
 56 100
 55 66.7 51.4 77.2



#14
 Allyl chloride
 Concen: 96.823 ug/l
 RT: 3.62 min Scan# 223
 Delta R.T. -0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Tgt Ion: 41 Resp: 667046
 Ion Ratio Lower Upper
 41 100
 39 79.8 60.5 90.7
 76 40.2 31.8 47.8

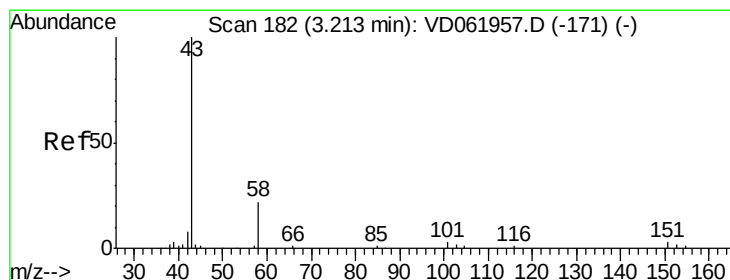
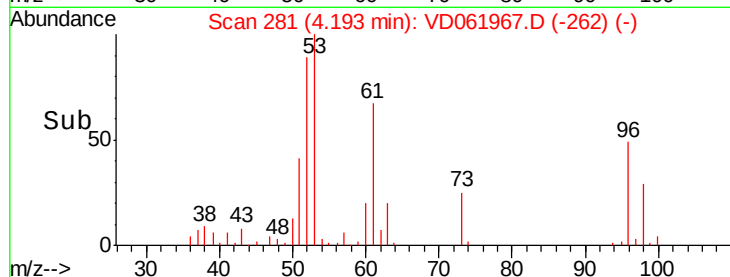
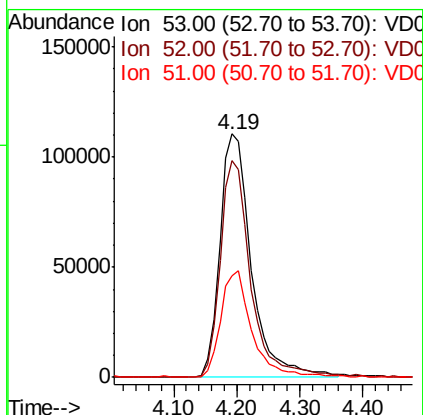
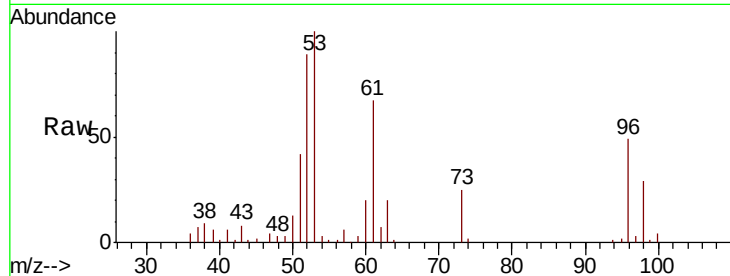




#15
 Acrylonitrile
 Concen: 415.403 ug/l
 RT: 4.19 min Scan# 281
 Delta R.T. -0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

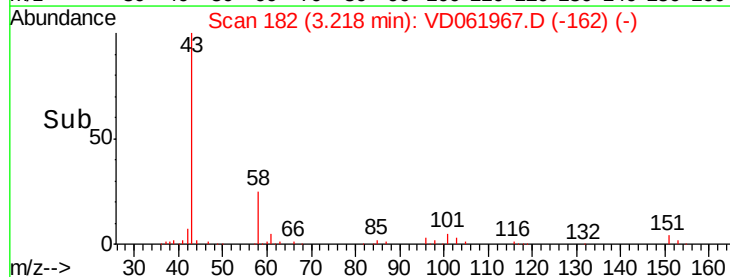
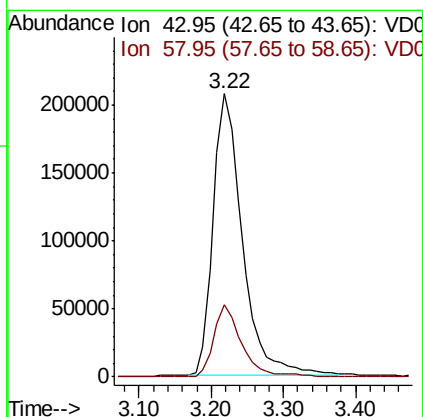
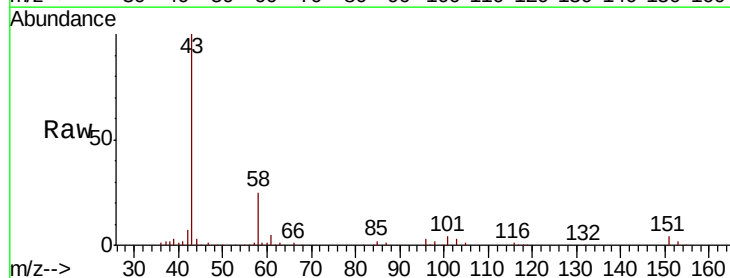
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

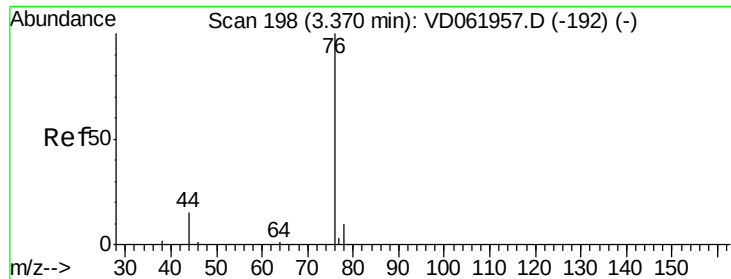
Tgt Ion: 53 Resp: 383415
 Ion Ratio Lower Upper
 53 100
 52 89.2 65.0 97.4
 51 41.8 32.6 48.8



#16
 Acetone
 Concen: 561.142 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Tgt Ion: 43 Resp: 579104
 Ion Ratio Lower Upper
 43 100
 58 25.3 19.9 29.9

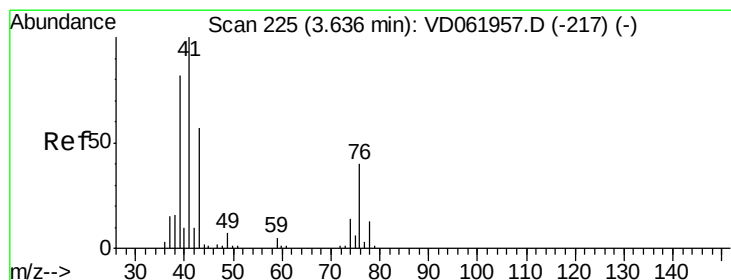
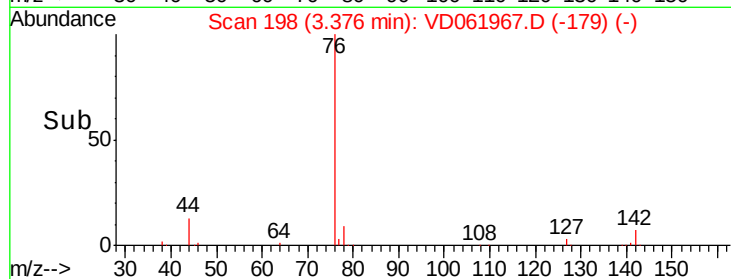
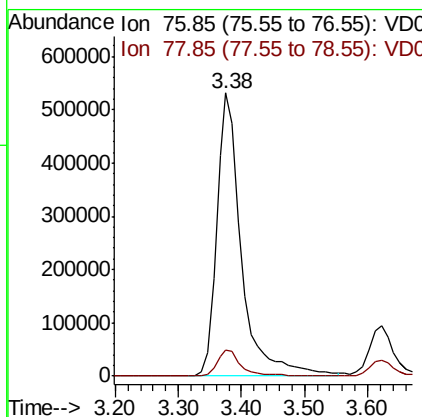
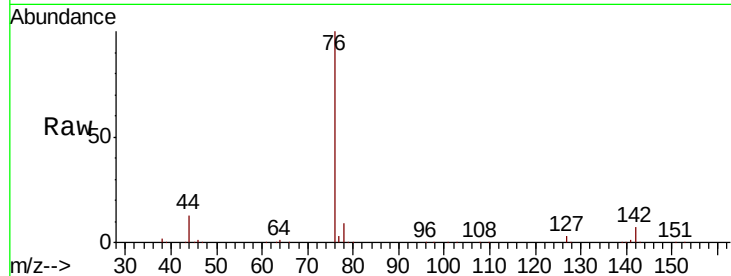




#17
Carbon Disulfide
Concen: 103.754 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

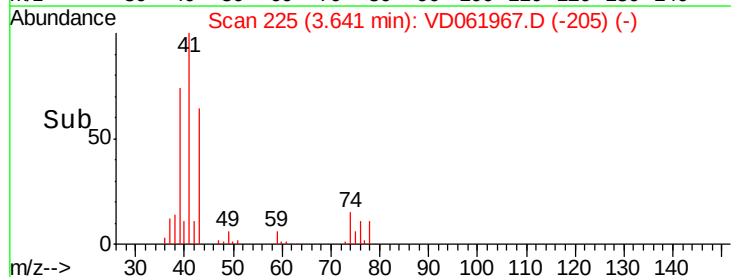
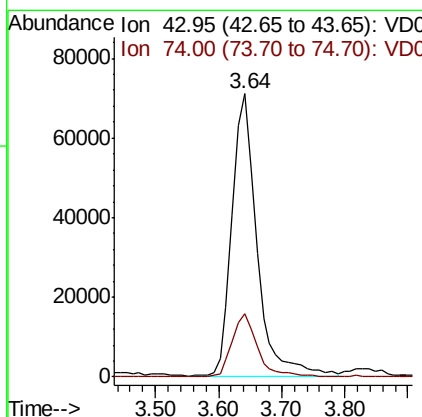
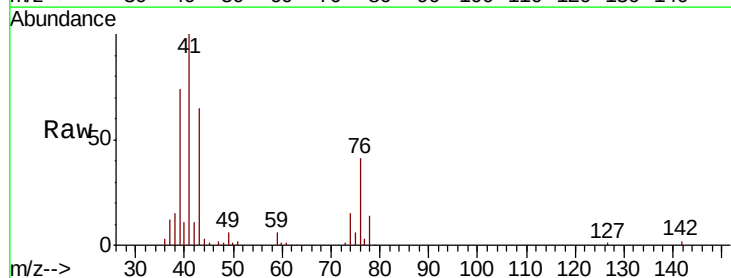
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

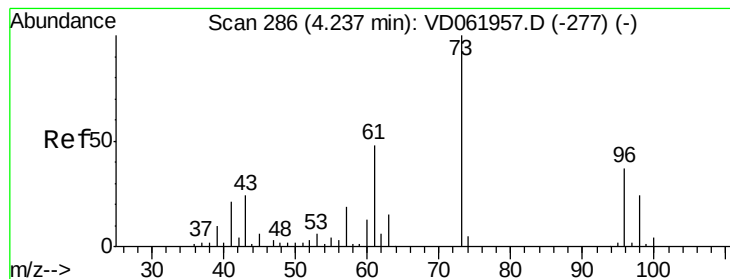
Tgt Ion: 76 Resp: 1451428
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 75.703 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Tgt Ion: 43 Resp: 197297
Ion Ratio Lower Upper
43 100
74 22.6 18.0 27.0





#19

Methyl tert-butyl Ether

Concen: 84.275 ug/l

RT: 4.24 min Scan# 286

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

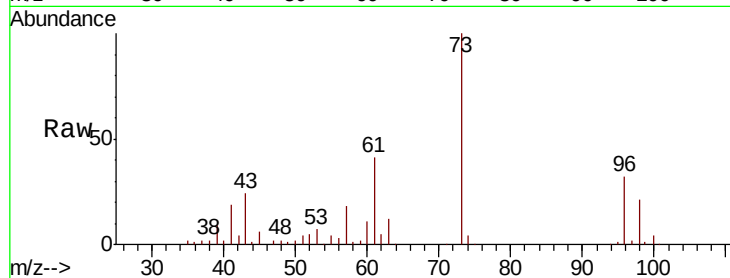
VSTDIC100

Tgt Ion: 73 Resp: 916993

Ion Ratio Lower Upper

73 100

57 17.7 16.3 24.5



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

4.24

250000

200000

150000

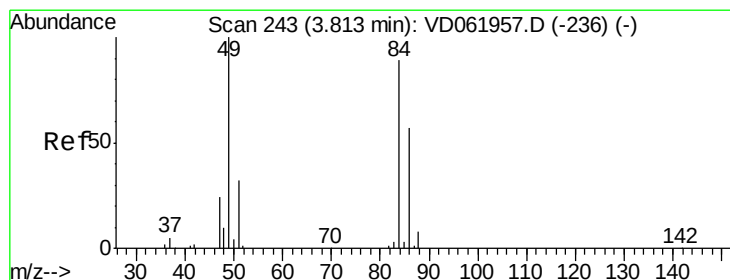
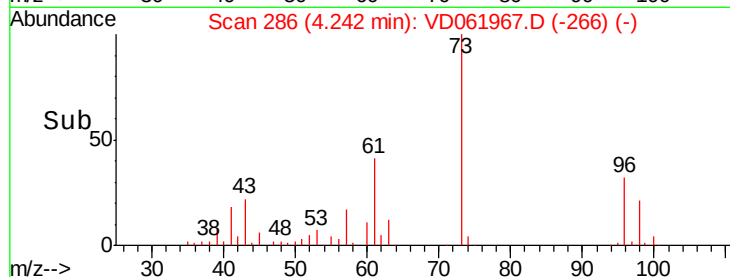
100000

50000

0

Time-->

4.10 4.20 4.30 4.40



#20

Methylene Chloride

Concen: 79.522 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Tgt Ion: 84 Resp: 527409

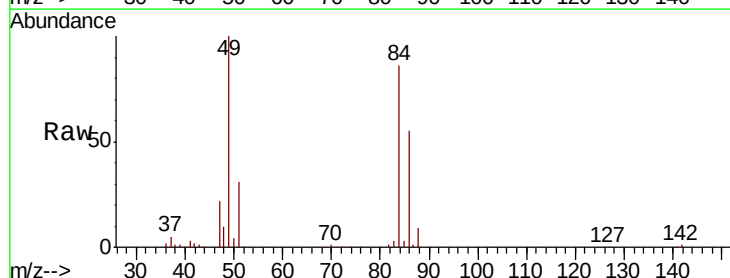
Ion Ratio Lower Upper

84 100

49 116.3 94.0 141.0

51 36.2 29.0 43.4

86 63.6 49.8 74.6



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

300000

250000

200000

150000

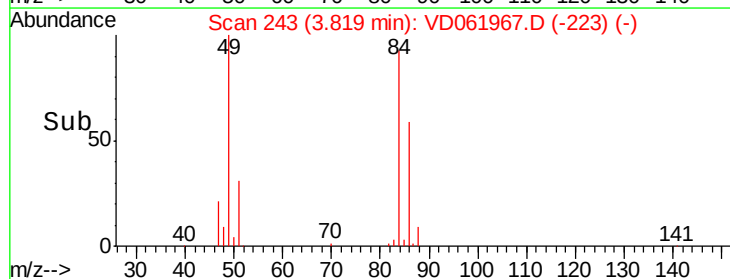
100000

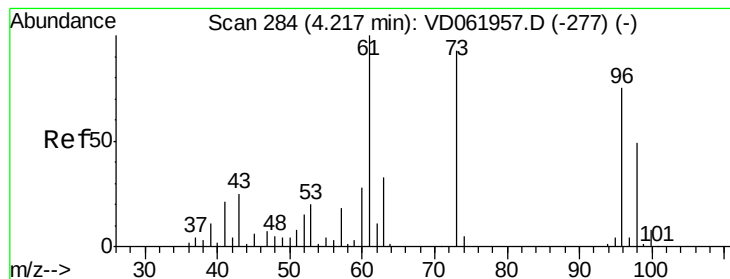
50000

0

Time-->

3.70 3.80 3.90 4.00





#21

trans-1,2-Dichloroethene

Concen: 91.105 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

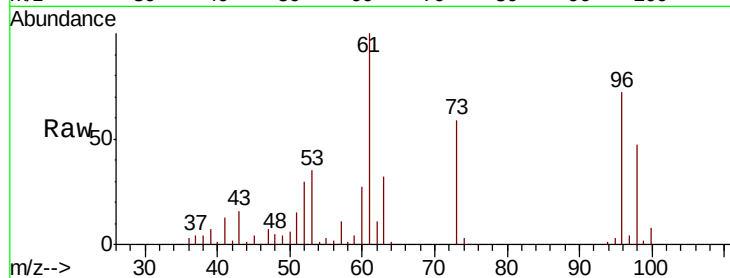
Tgt Ion: 96 Resp: 523641

Ion Ratio Lower Upper

96 100

61 138.2 104.4 156.6

98 64.5 51.8 77.8

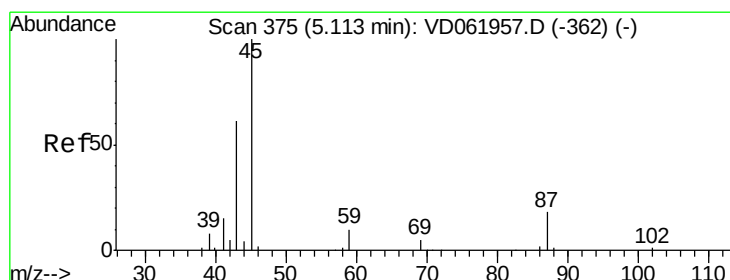
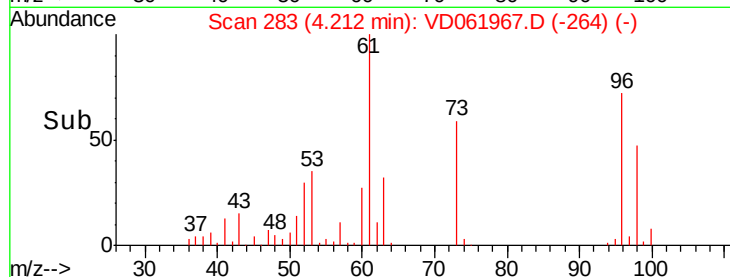
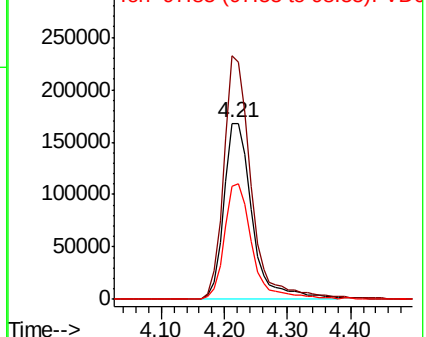


Abundance

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: 85.525 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Tgt Ion: 45 Resp: 1455658

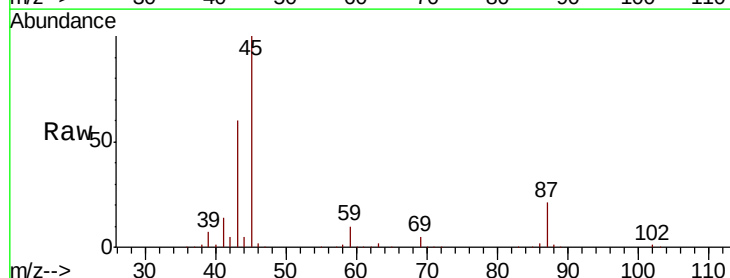
Ion Ratio Lower Upper

45 100

43 60.5 46.2 69.2

87 21.0 15.9 23.9

59 10.1 7.9 11.9



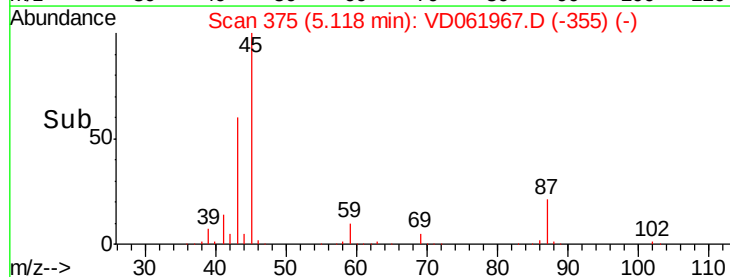
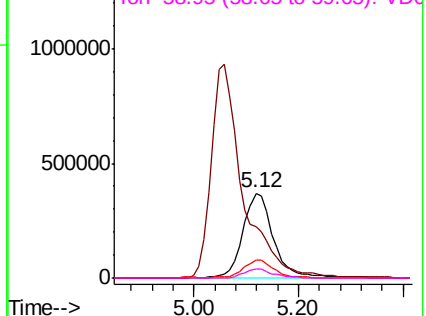
Abundance

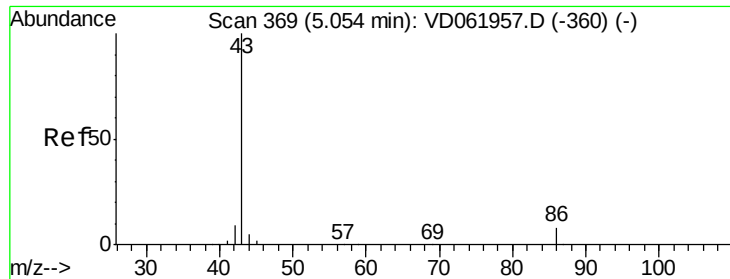
Ion 45.05 (44.75 to 45.75): VDC

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: 426.364 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

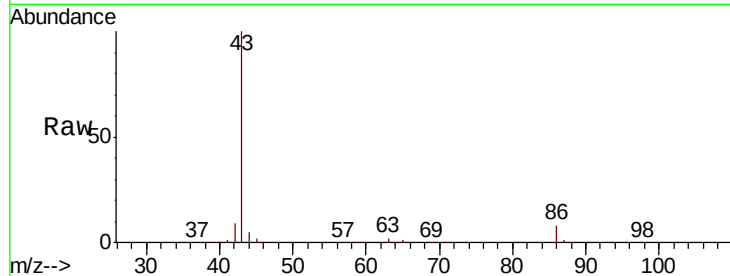
VSTDIC100

Tgt Ion: 43 Resp: 3864534

Ion Ratio Lower Upper

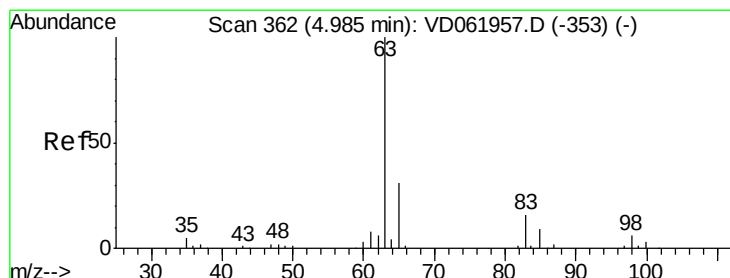
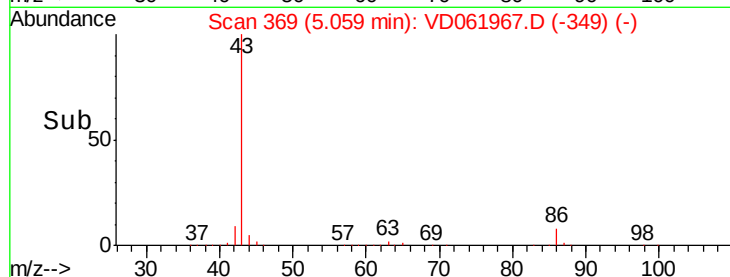
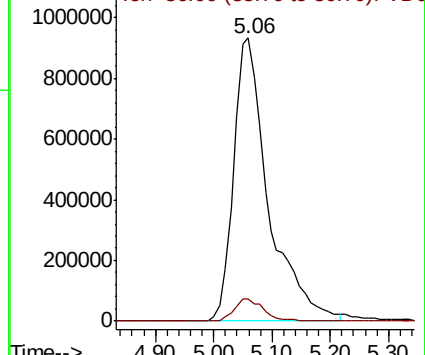
43 100

86 7.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD0

Ion 86.00 (85.70 to 86.70): VD0



#24

1,1-Dichloroethane

Concen: 84.105 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

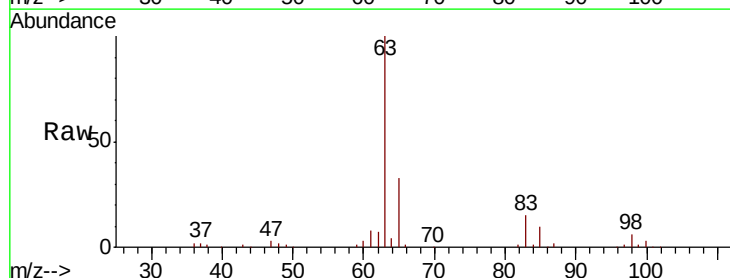
Tgt Ion: 63 Resp: 842503

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

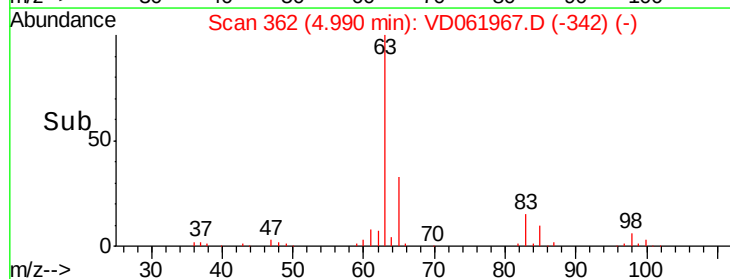
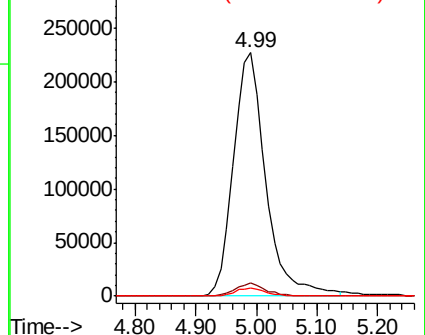
100 3.4 1.8 5.5

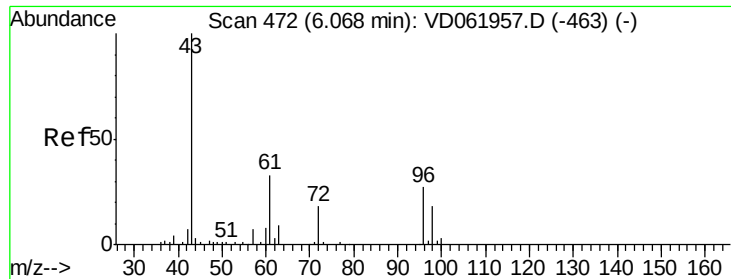


Abundance Ion 62.95 (62.65 to 63.65): VD0

Ion 97.95 (97.65 to 98.65): VD0

Ion 99.95 (99.65 to 100.65): VD0





#25

2-Butanone

Concen: 443.970 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

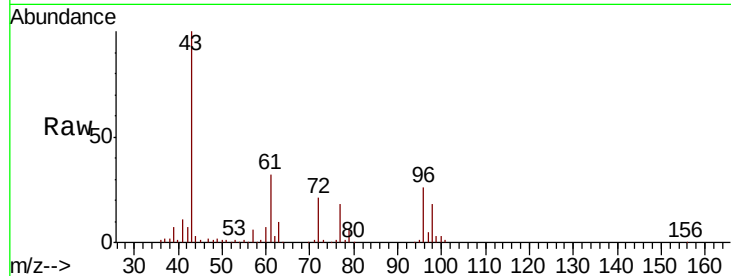
VSTDIC100

Tgt Ion: 43 Resp: 638342

Ion Ratio Lower Upper

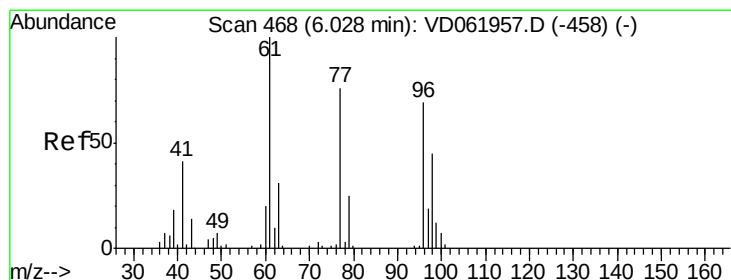
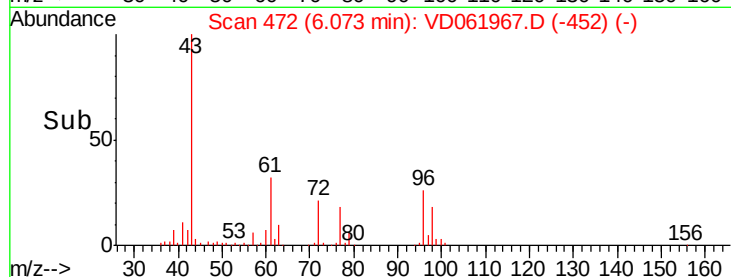
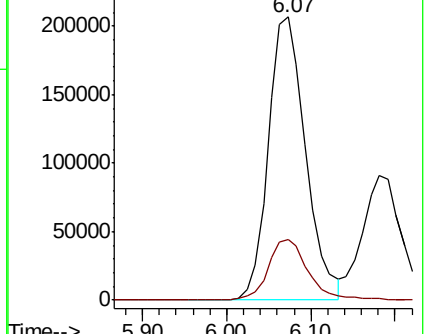
43 100

72 21.4 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 93.909 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD061967.D

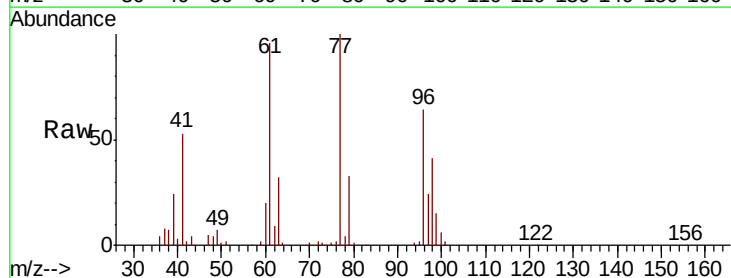
Acq: 23 Apr 2019 12:51

Tgt Ion: 77 Resp: 776565

Ion Ratio Lower Upper

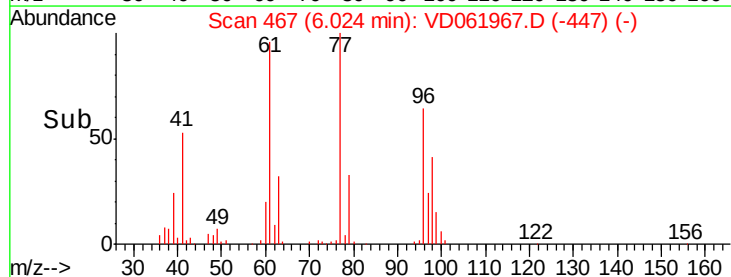
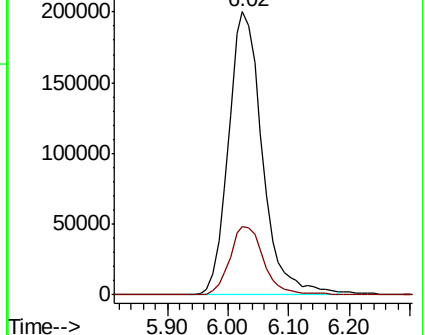
77 100

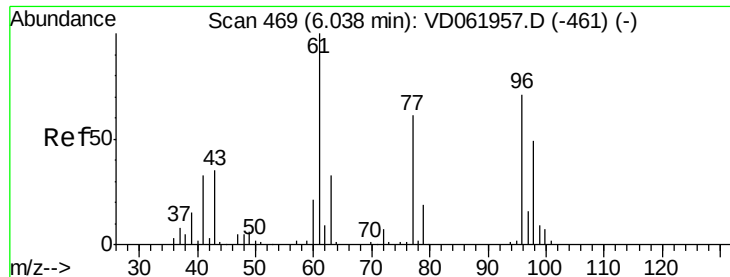
97 24.2 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



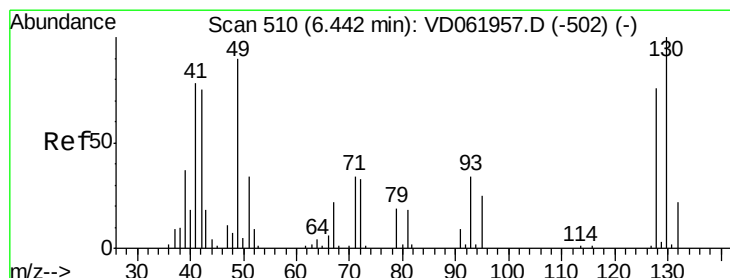
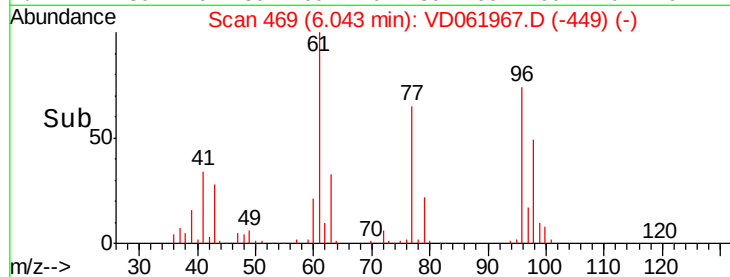
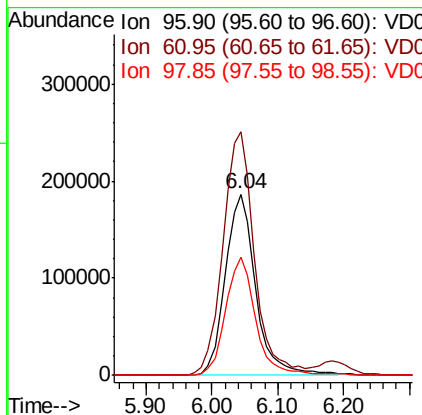
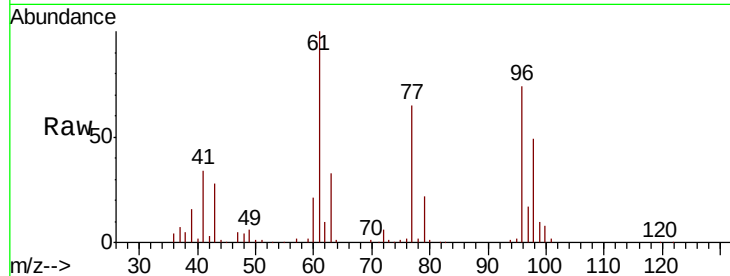


#27

cis-1,2-Dichloroethene
 Concen: 88.646 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

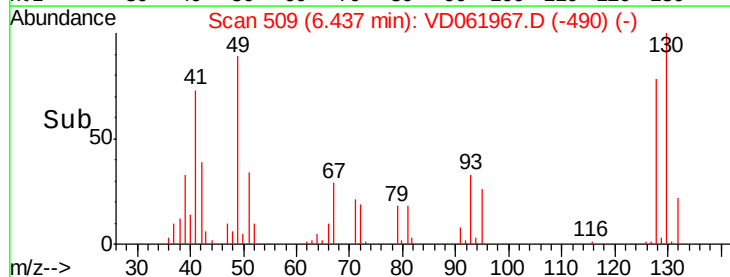
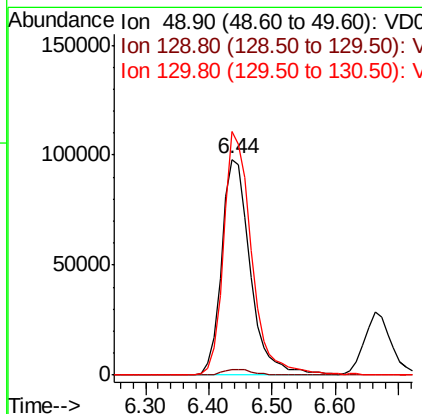
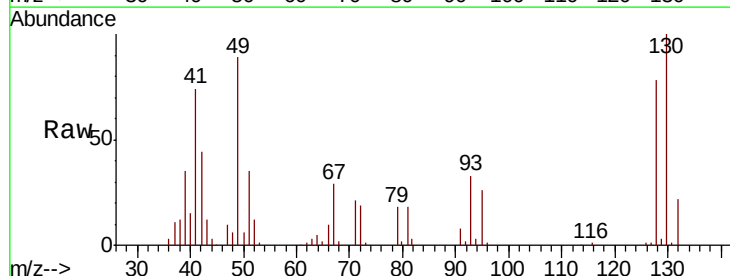
Tgt Ion: 96 Resp: 601265
 Ion Ratio Lower Upper
 96 100
 61 134.3 0.0 279.8
 98 65.2 0.0 136.0

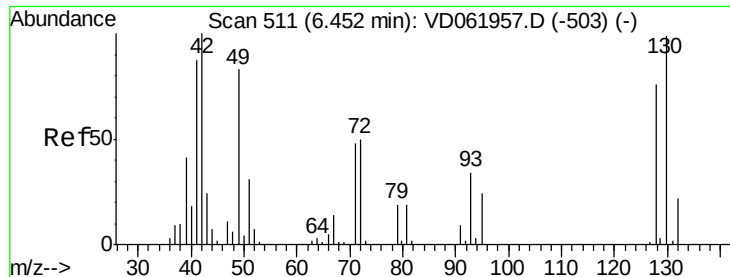


#28

Bromochloromethane
 Concen: 78.691 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Tgt Ion: 49 Resp: 310662
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 6.6
 130 112.8 86.7 130.1

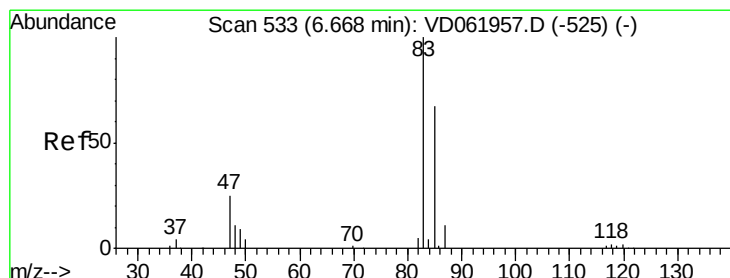
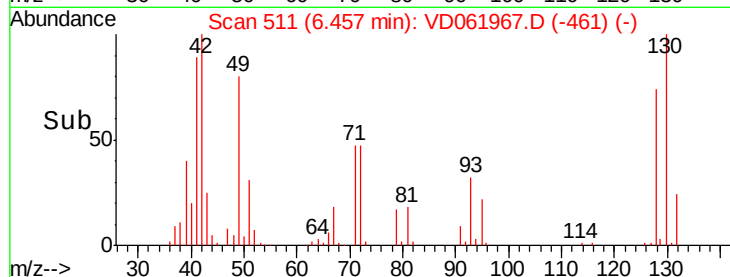
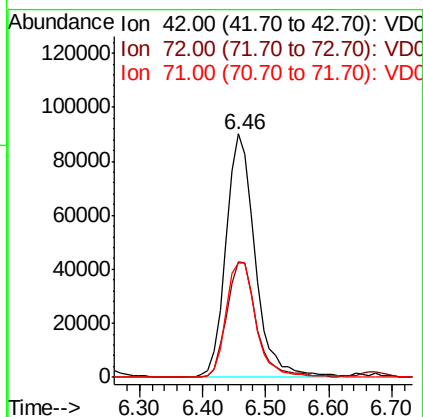
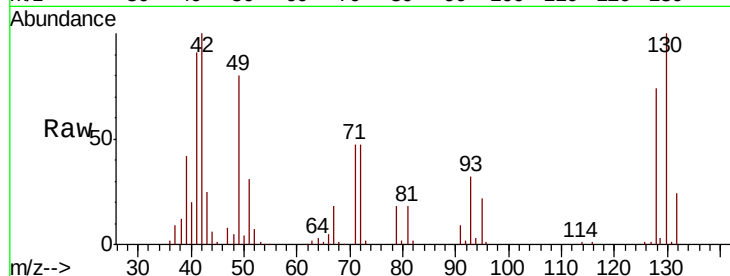




#29
Tetrahydrofuran
Concen: 384.596 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

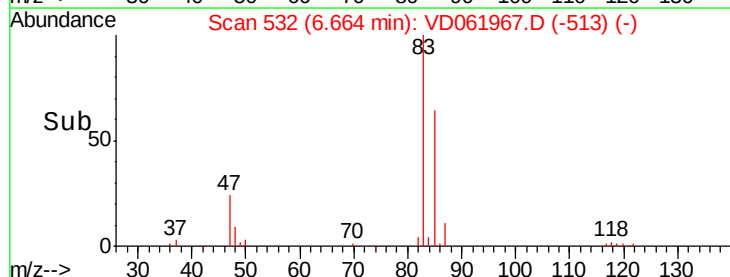
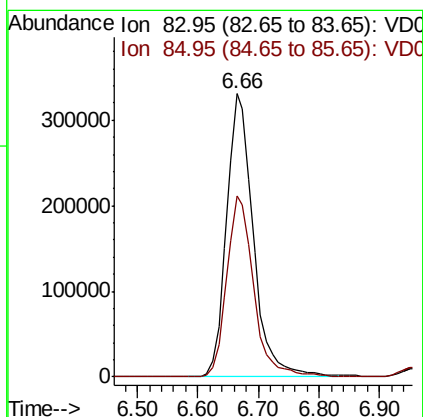
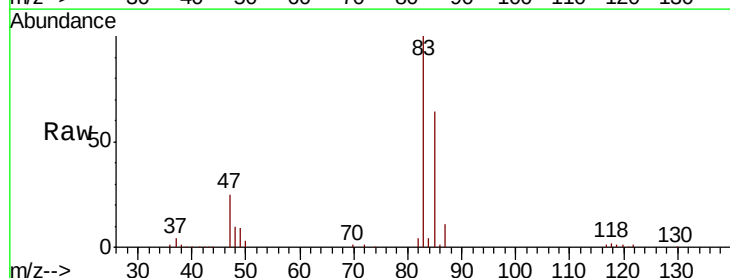
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

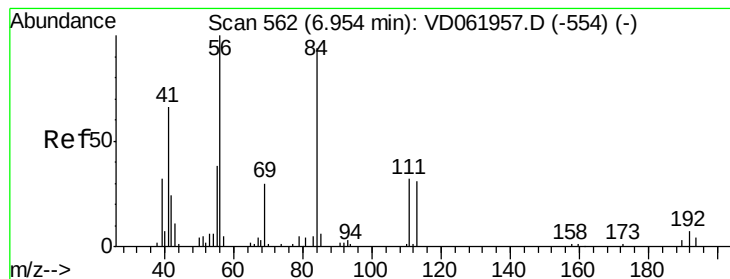
Tgt Ion: 42 Resp: 287895
Ion Ratio Lower Upper
42 100
72 48.5 37.8 56.6
71 48.6 36.7 55.1



#30
Chloroform
Concen: 86.321 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Tgt Ion: 83 Resp: 1014712
Ion Ratio Lower Upper
83 100
85 63.8 51.7 77.5





#31

Cyclohexane

Concen: 89.473 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

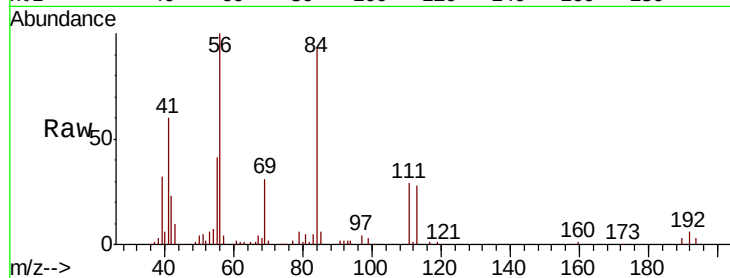
Tgt Ion: 56 Resp: 636386

Ion Ratio Lower Upper

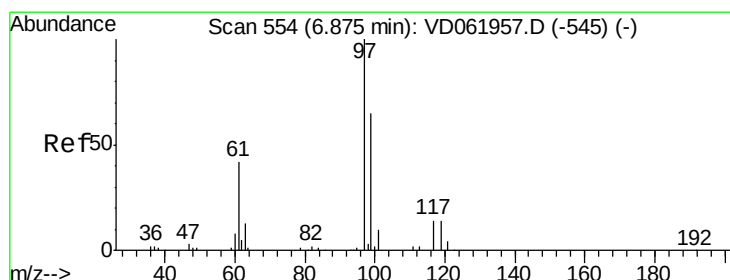
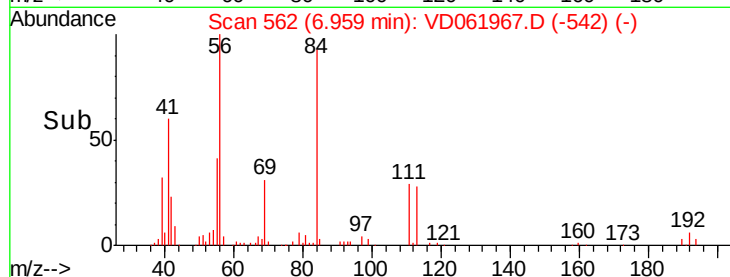
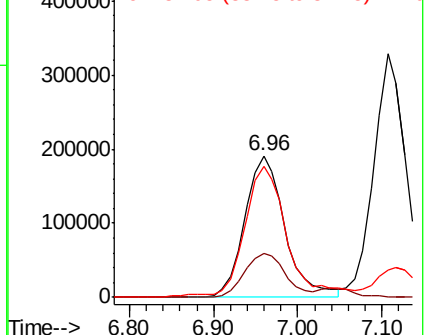
56 100

69 30.7 25.8 38.6

84 92.6 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: 84.043 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.01 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

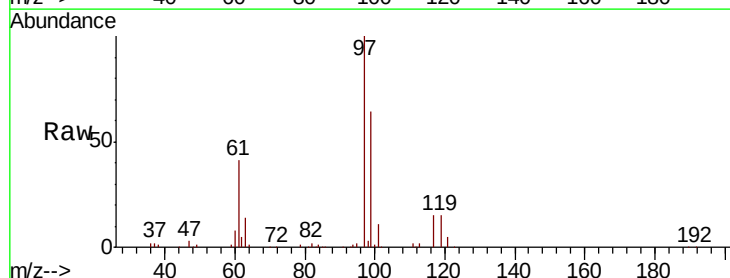
Tgt Ion: 97 Resp: 863782

Ion Ratio Lower Upper

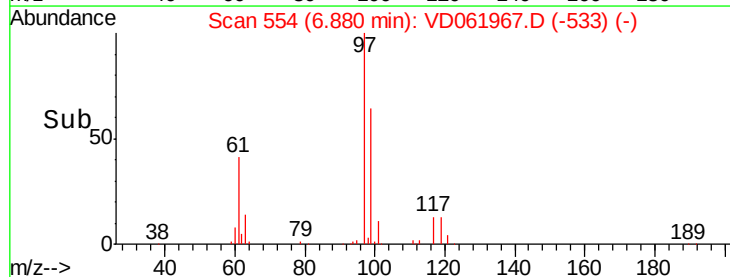
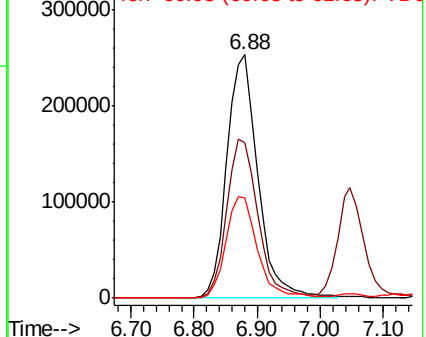
97 100

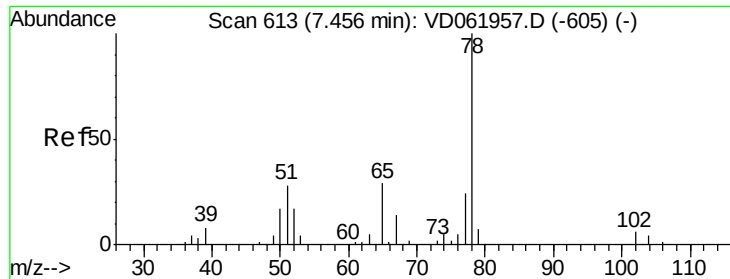
99 63.8 52.2 78.2

61 41.4 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

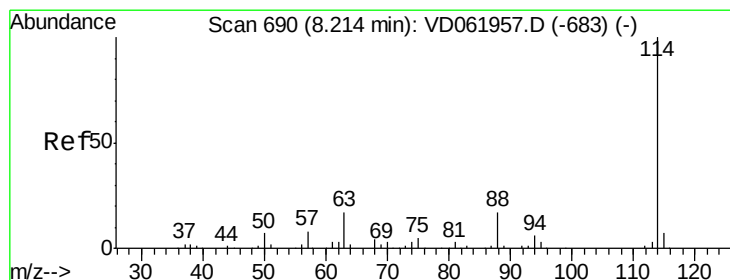
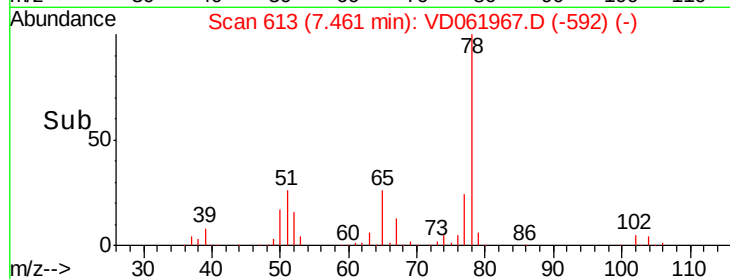
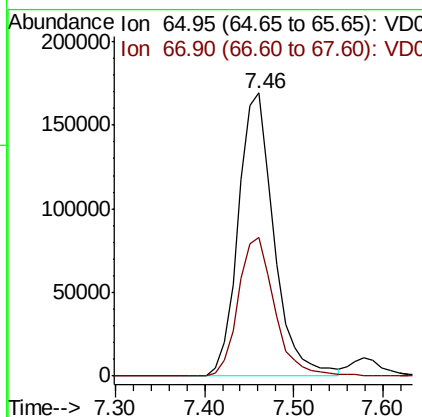
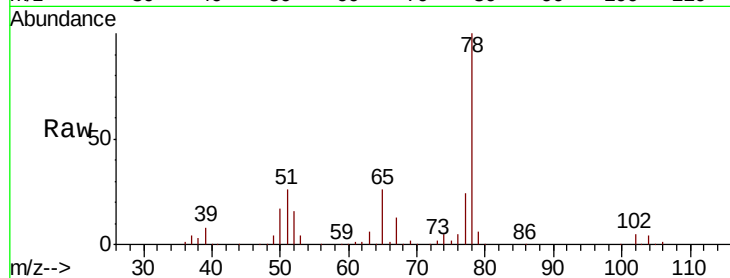




#33
 1,2-Dichloroethane-d4
 Concen: 84.043 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

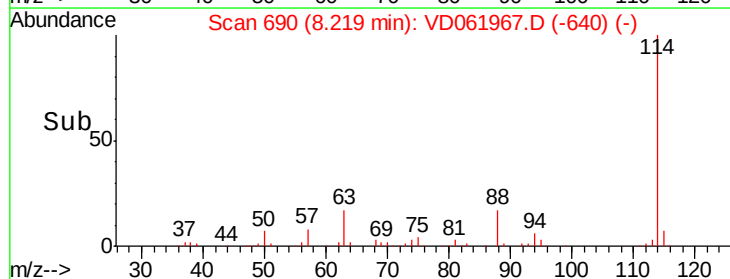
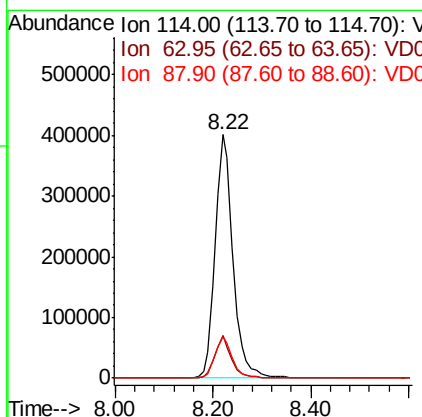
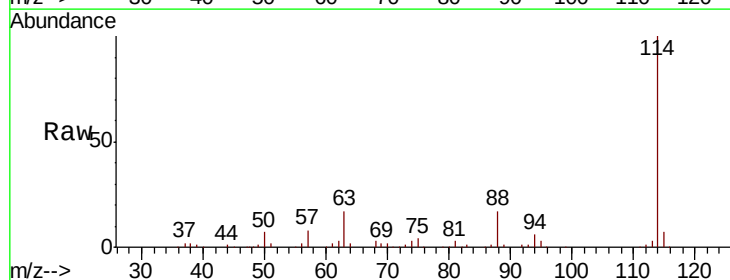
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

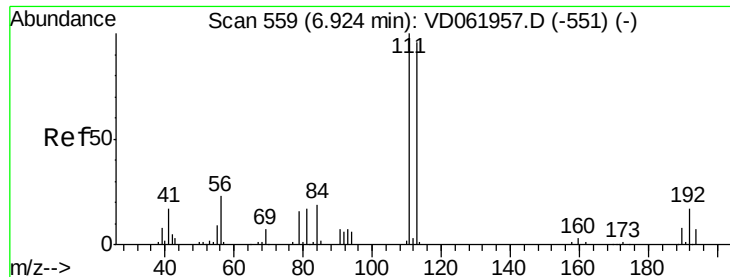
Tgt Ion: 65 Resp: 468752
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Tgt Ion: 114 Resp: 1022943
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 32.4
 88 17.1 0.0 33.6

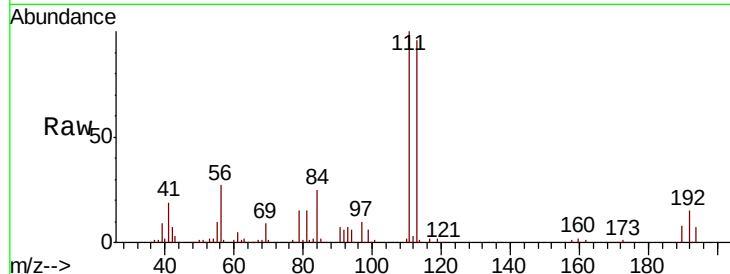




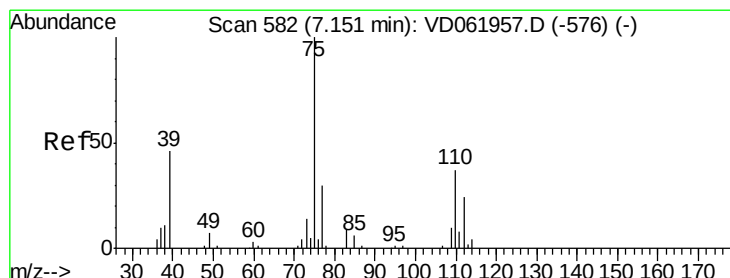
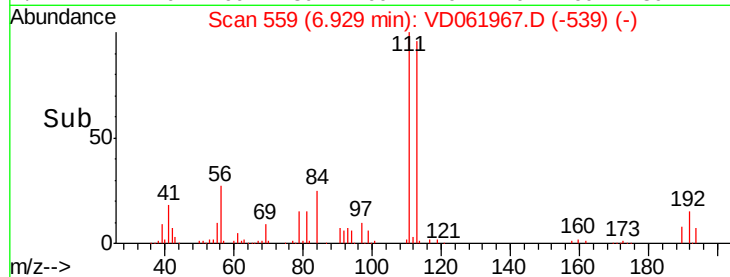
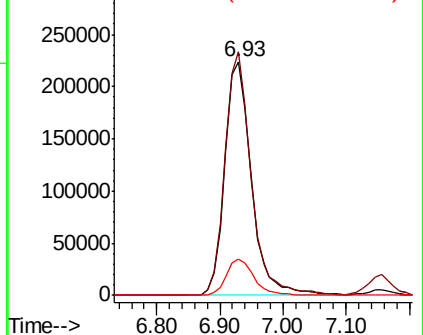
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	78.5	117.7
192	15.5	13.0	19.4

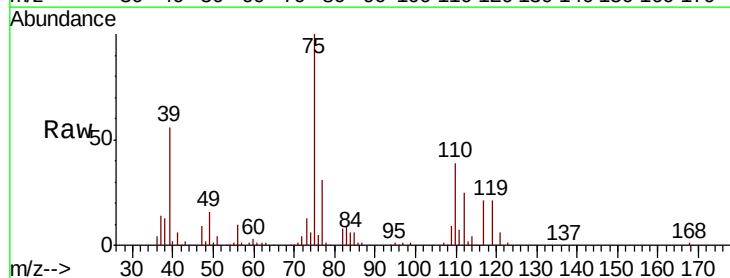


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

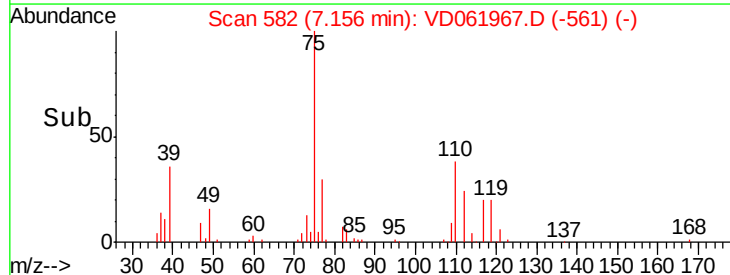
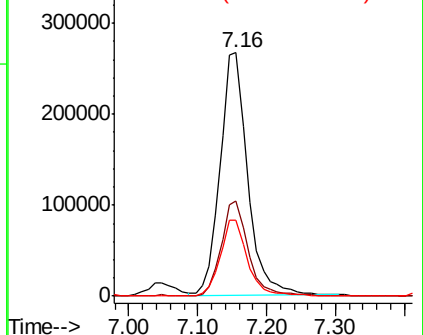


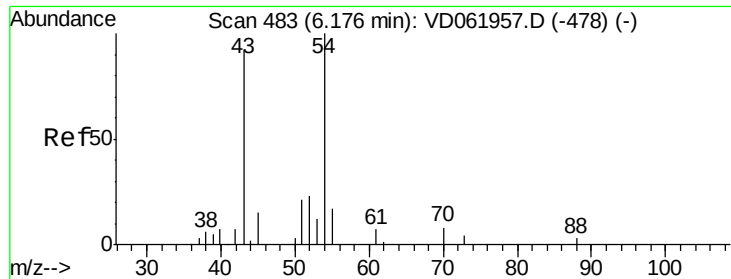
#36
 1,1-Dichloropropene
 Concen: 90.732 ug/l
 RT: 7.16 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.3	19.1	57.1
77	31.3	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

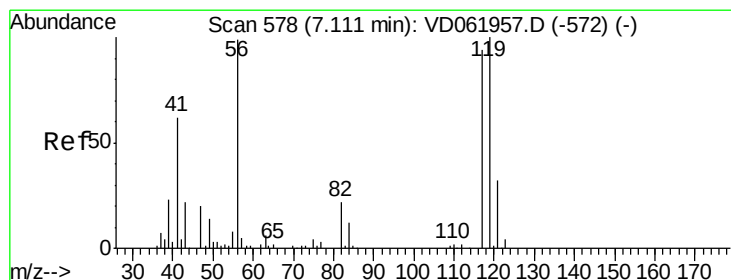
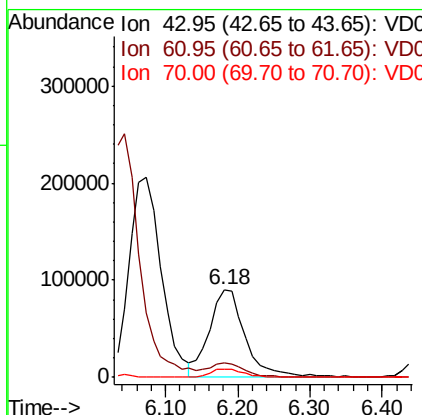
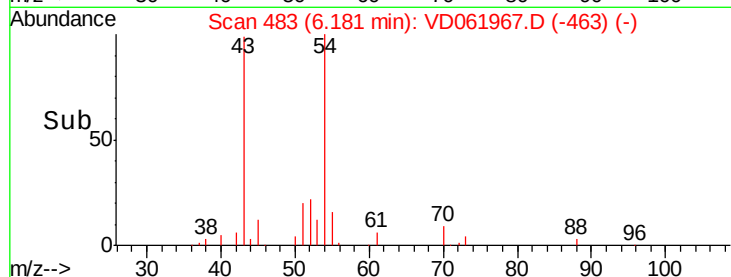
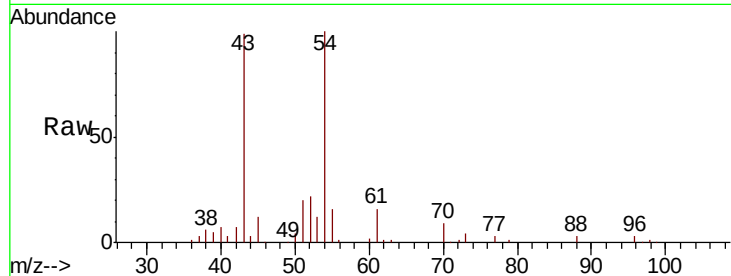




#37
Ethyl Acetate
Concen: 79.491 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

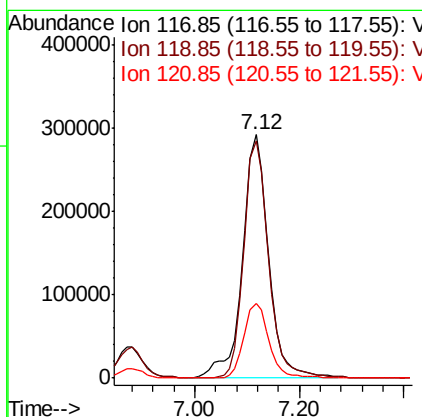
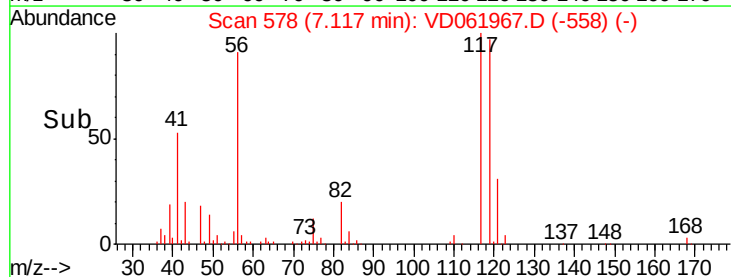
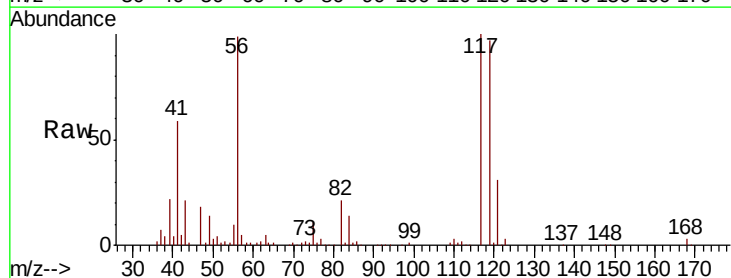
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

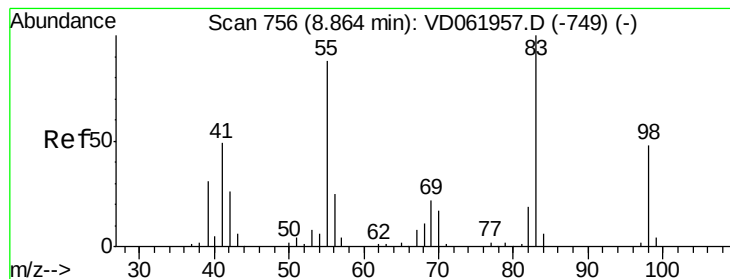
Tgt Ion: 43 Resp: 300762
Ion Ratio Lower Upper
43 100
61 16.0 14.7 22.1
70 9.4 7.8 11.6



#38
Carbon Tetrachloride
Concen: 92.879 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Tgt Ion: 117 Resp: 971768
Ion Ratio Lower Upper
117 100
119 97.4 75.8 113.8
121 30.7 25.9 38.9





#39

Methylcyclohexane

Concen: 96.704 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

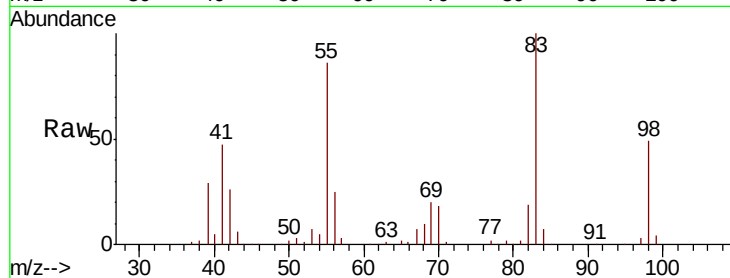
Tgt Ion: 83 Resp: 781749

Ion Ratio Lower Upper

83 100

55 85.7 68.2 102.4

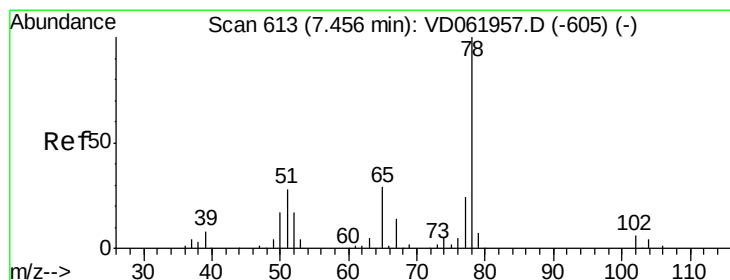
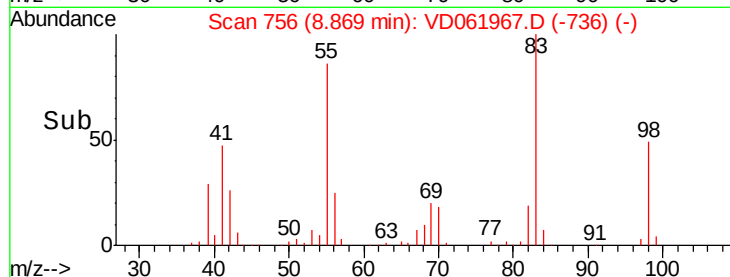
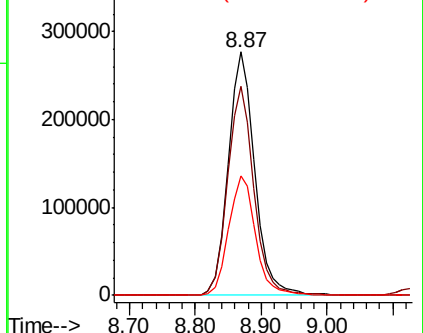
98 48.9 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 93.634 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD061967.D

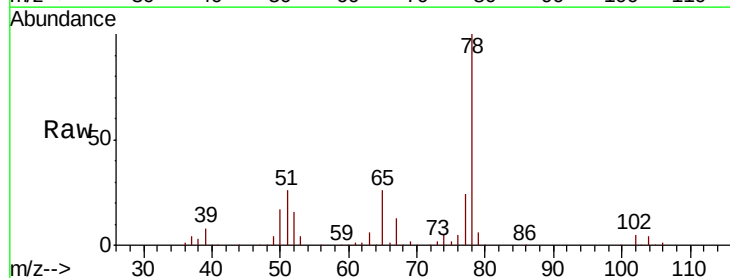
Acq: 23 Apr 2019 12:51

Tgt Ion: 78 Resp: 1928578

Ion Ratio Lower Upper

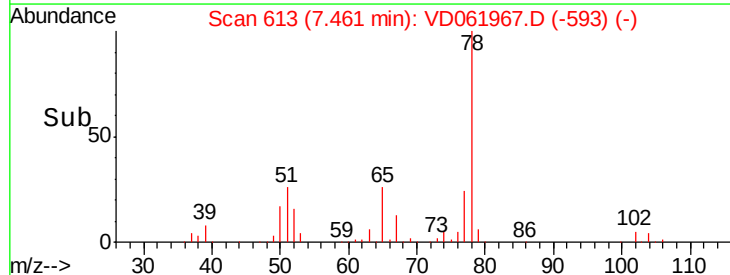
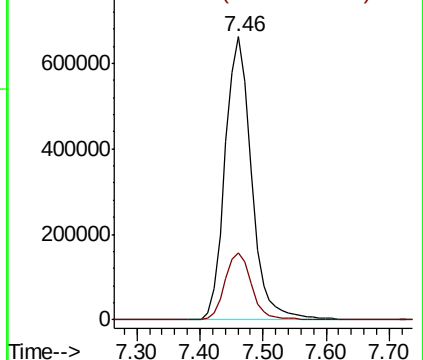
78 100

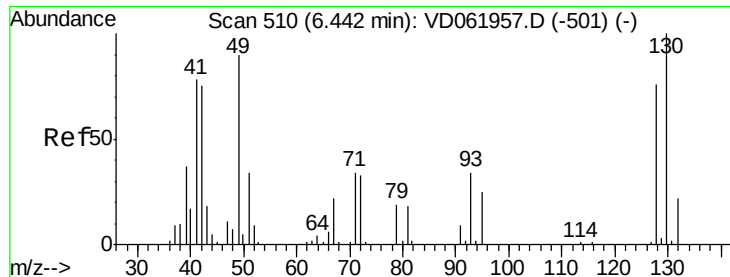
77 23.7 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 75.633 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.01 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 338711

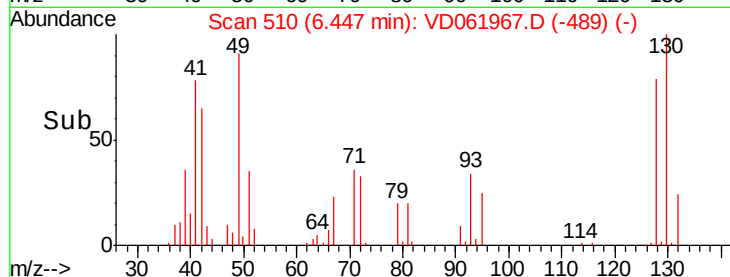
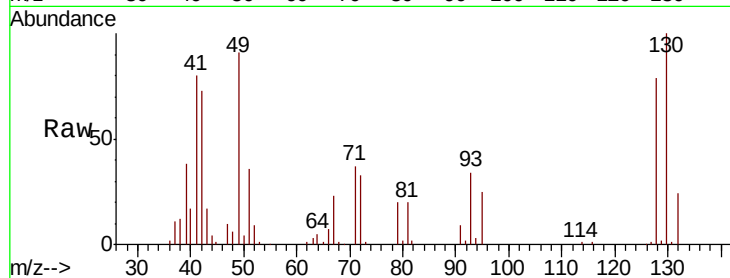
Ion Ratio Lower Upper

41 100

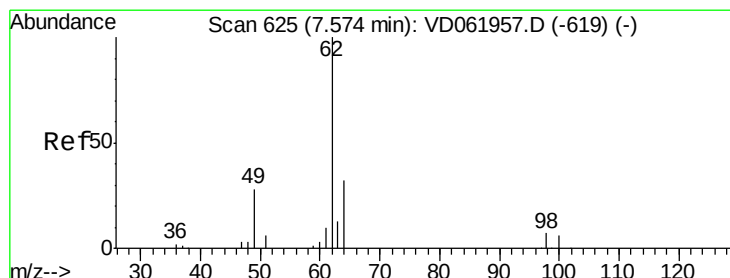
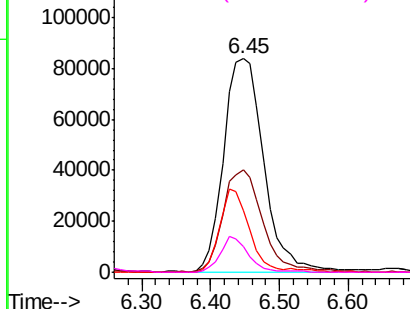
39 47.9 34.1 51.1

67 28.6 23.8 35.6

52 11.9 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: 85.712 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.00 min

Lab File: VD061967.D

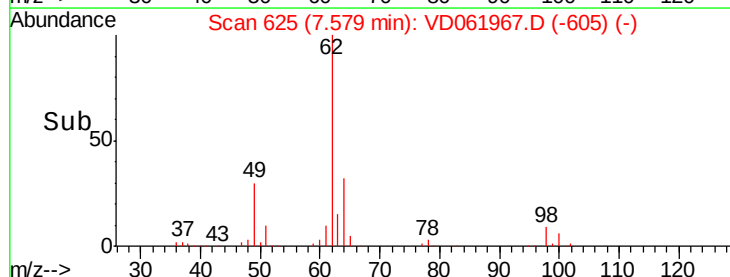
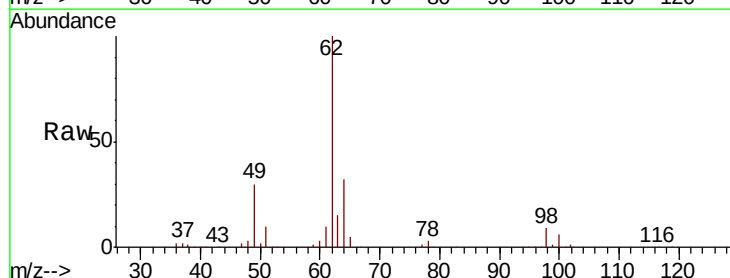
Acq: 23 Apr 2019 12:51

Tgt Ion: 62 Resp: 648124

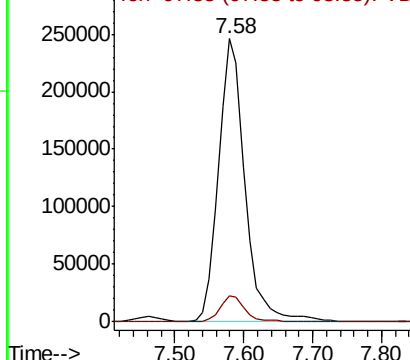
Ion Ratio Lower Upper

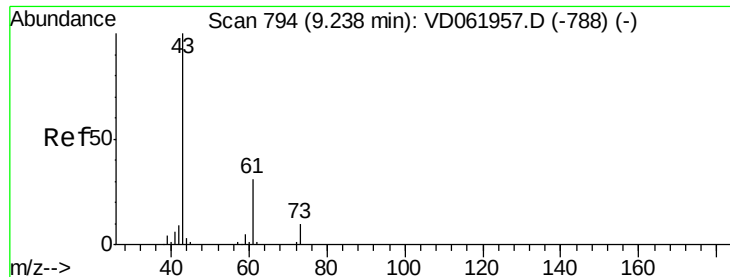
62 100

98 9.1 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: 94.655 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

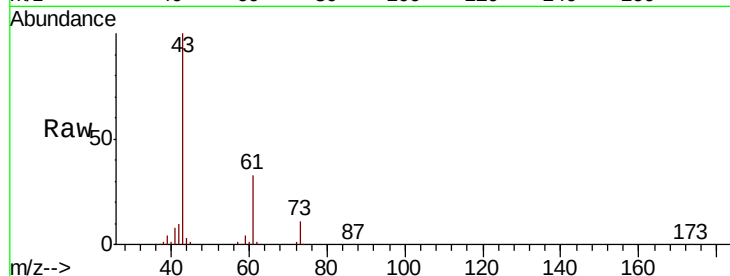
Tgt Ion: 43 Resp: 521787

Ion Ratio Lower Upper

43 100

61 33.1 25.1 37.7

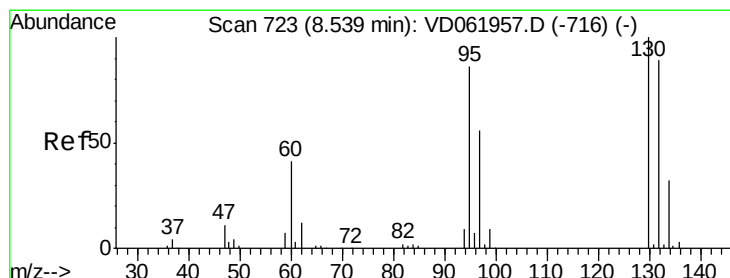
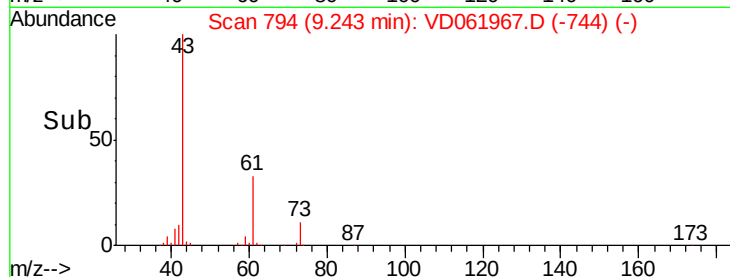
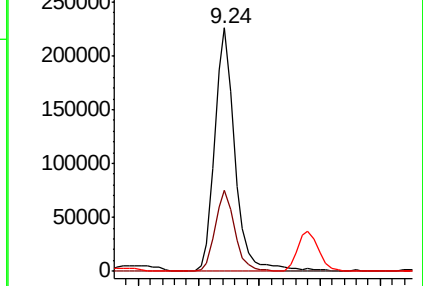
87 0.3 0.0 0.0#



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: 99.486 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD061967.D

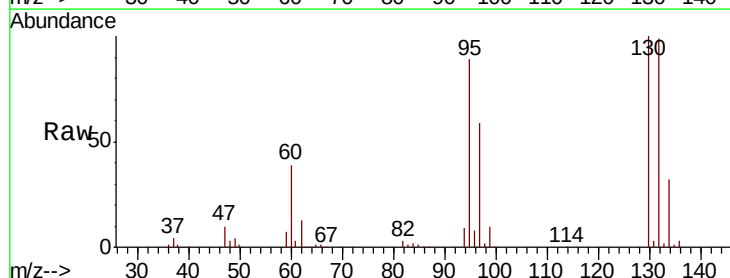
Acq: 23 Apr 2019 12:51

Tgt Ion: 130 Resp: 761242

Ion Ratio Lower Upper

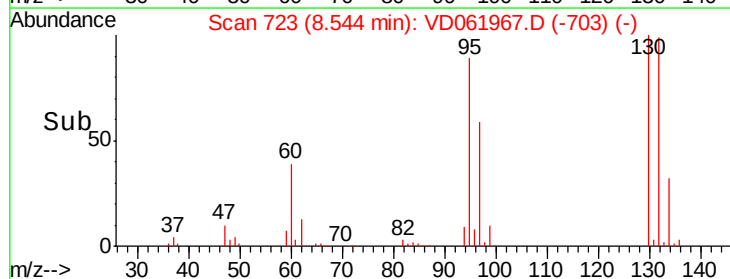
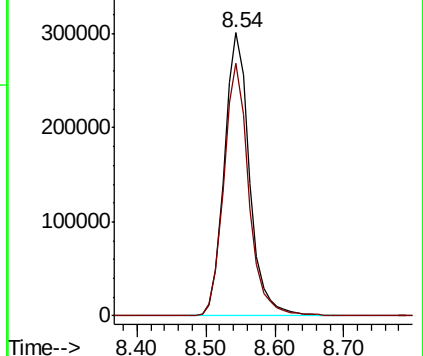
130 100

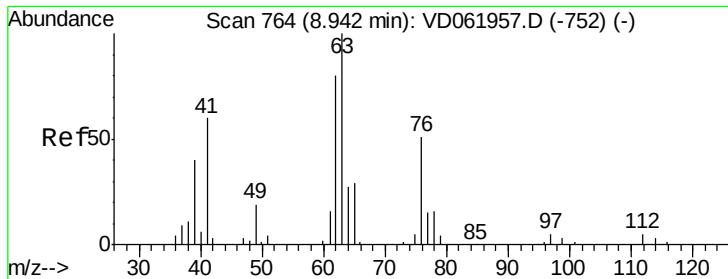
95 89.2 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

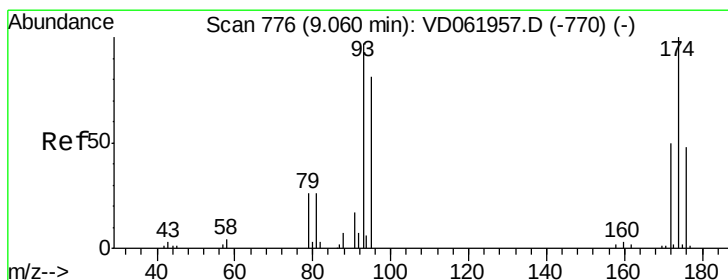
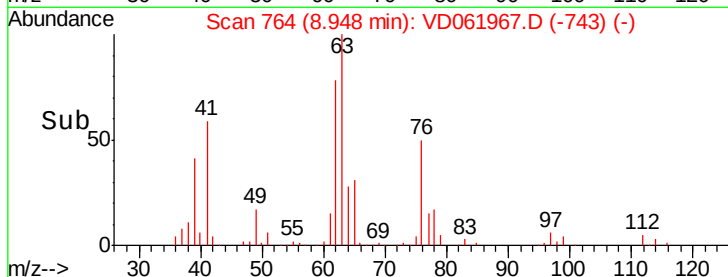
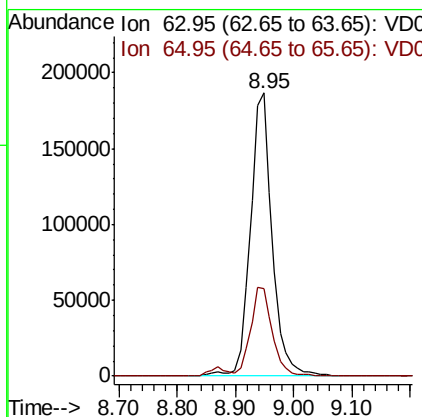
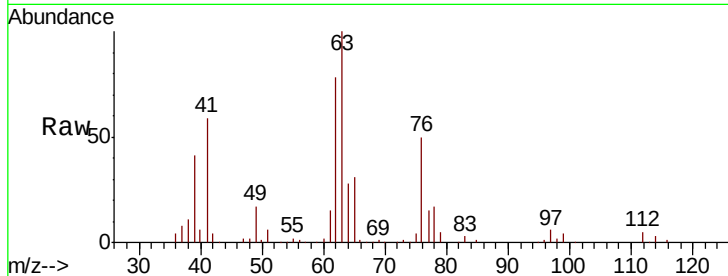




#45
 1,2-Dichloropropane
 Concen: 93.151 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

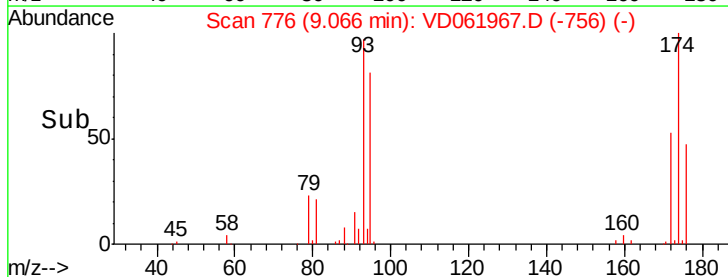
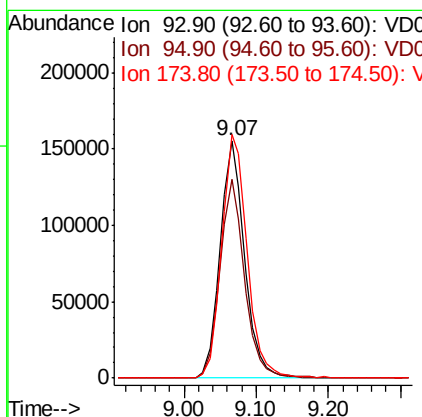
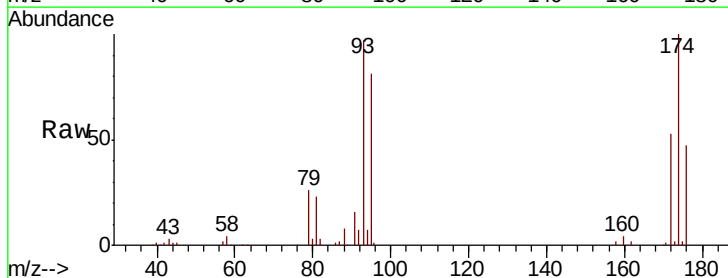
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

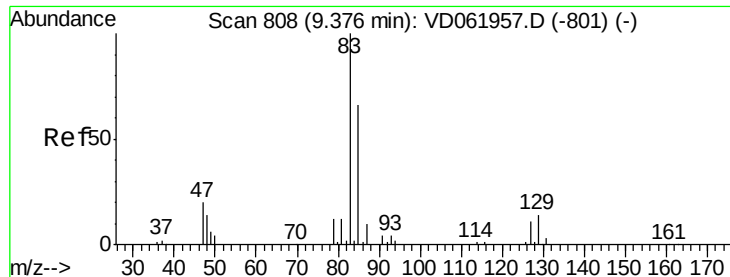
Tgt Ion: 63 Resp: 489233
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.8 35.6



#46
 Dibromomethane
 Concen: 91.373 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Tgt Ion: 93 Resp: 364074
 Ion Ratio Lower Upper
 93 100
 95 83.5 64.8 97.2
 174 102.6 79.3 118.9





#47

Bromodichloromethane

Concen: 96.962 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

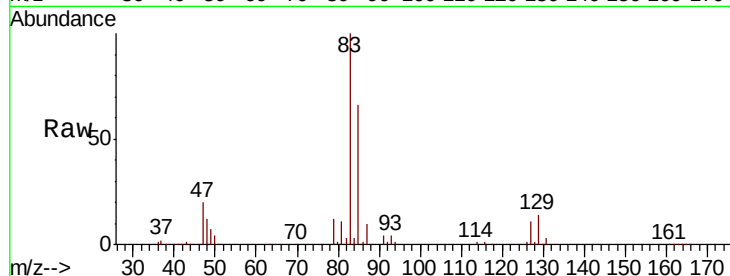
Tgt Ion: 83 Resp: 885285

Ion Ratio Lower Upper

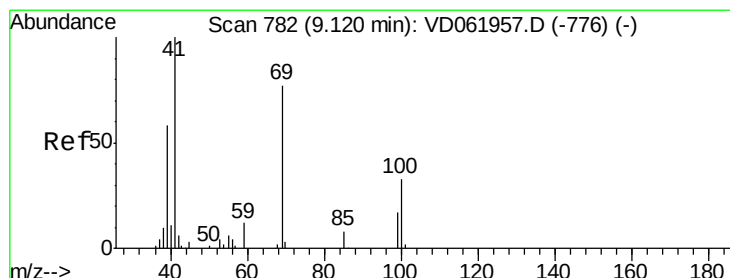
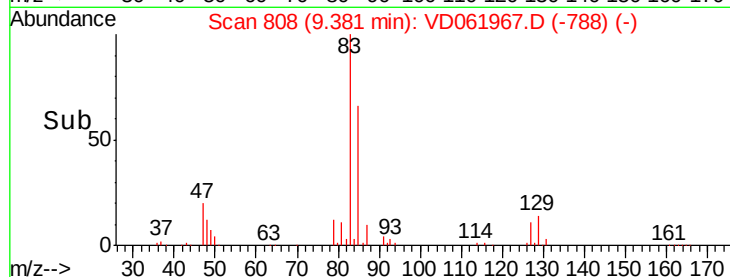
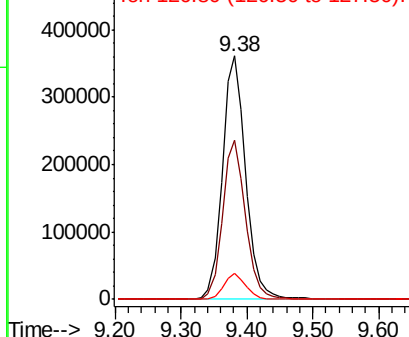
83 100

85 65.5 50.9 76.3

127 10.5 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): VDC



#48

Methyl methacrylate

Concen: 88.619 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

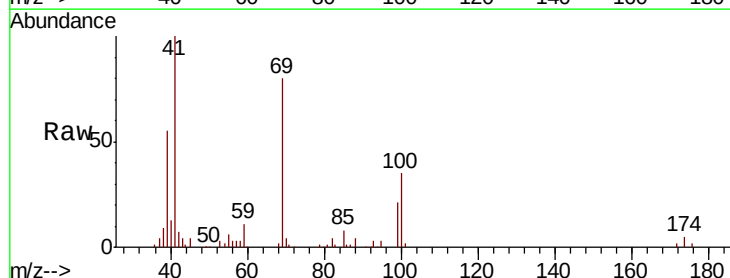
Tgt Ion: 41 Resp: 278718

Ion Ratio Lower Upper

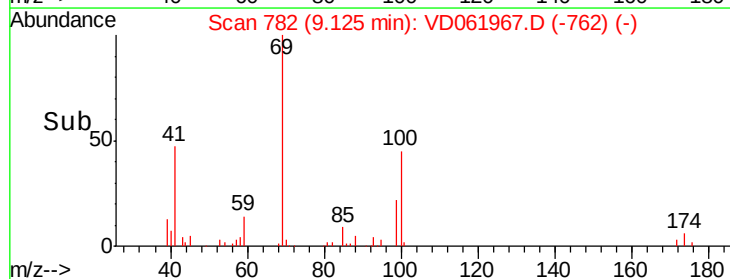
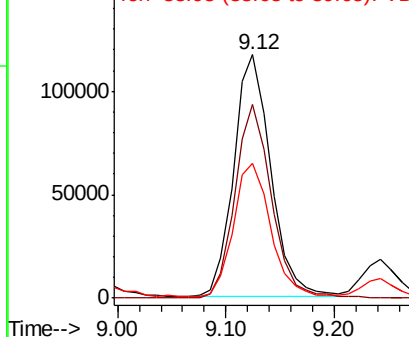
41 100

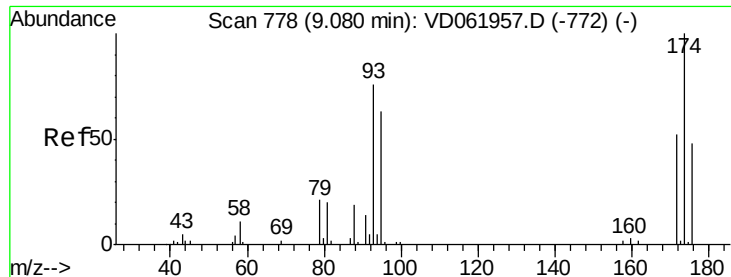
69 79.5 64.2 96.2

39 55.3 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

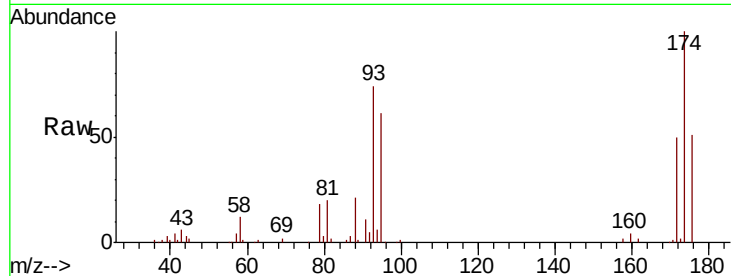




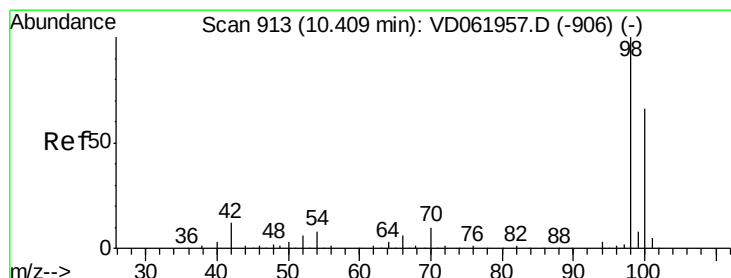
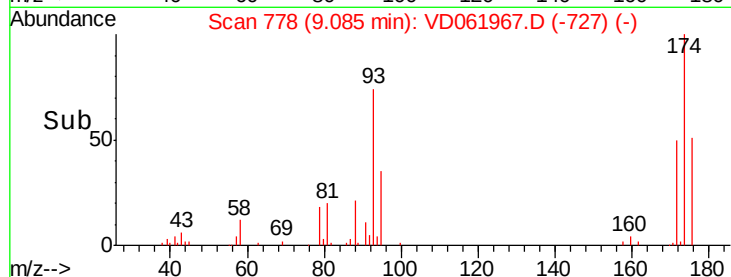
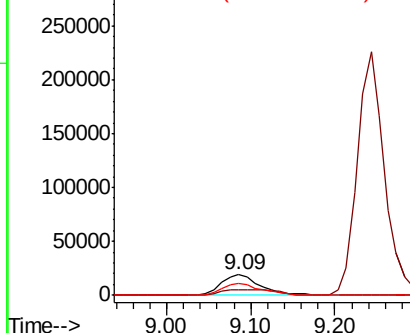
#49
 1,4-Dioxane
 Concen: 1901.840 ug/l
 RT: 9.09 min Scan# 778
 Delta R.T. 0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 88 Resp: 61808
 Ion Ratio Lower Upper
 88 100
 43 30.3 23.4 35.0
 58 60.8 44.0 66.0

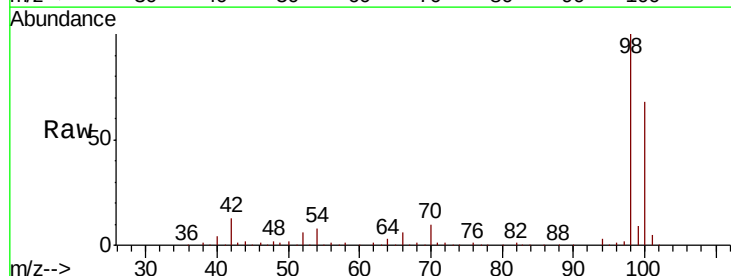


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

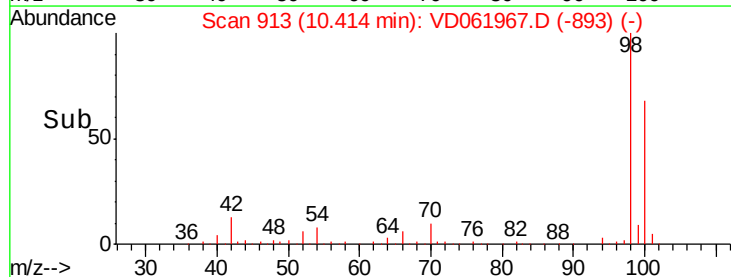
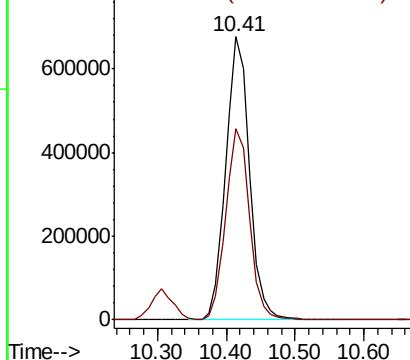


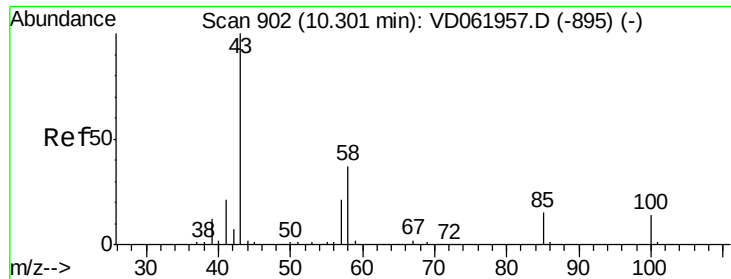
#50
 Toluene-d8
 Concen: 1901.840 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Tgt Ion: 98 Resp: 1614431
 Ion Ratio Lower Upper
 98 100
 100 67.5 53.8 80.8



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

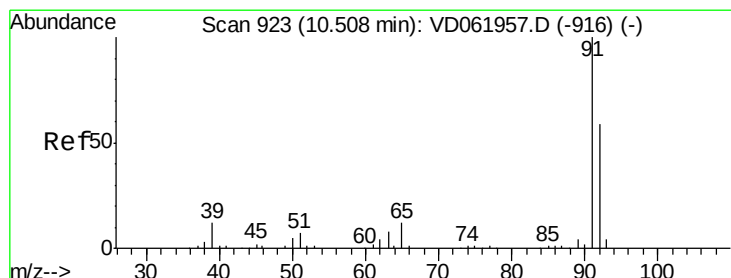
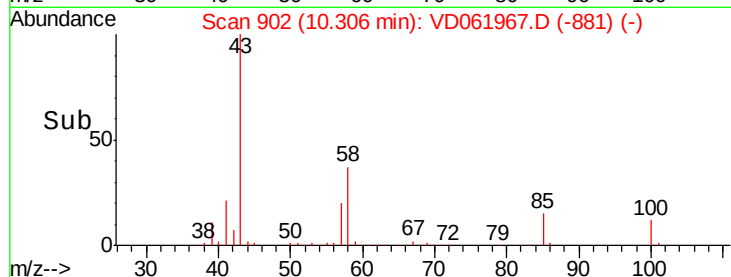
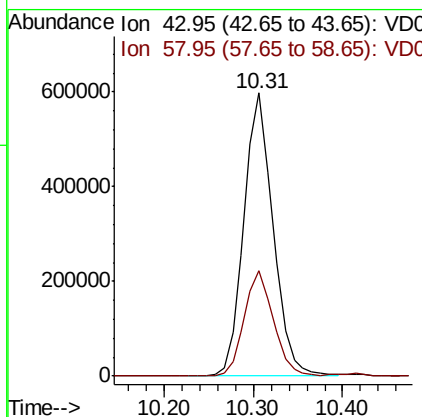
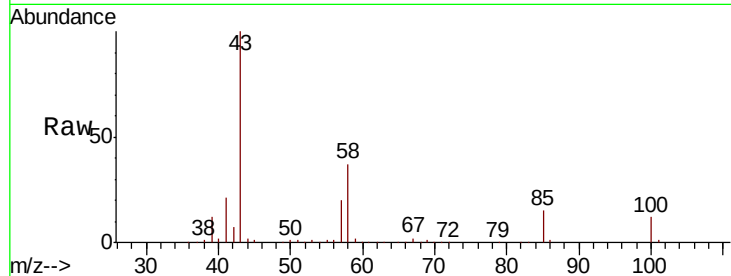




#51
 4-Methyl-2-Pentanone
 Concen: 386.518 ug/l
 RT: 10.31 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

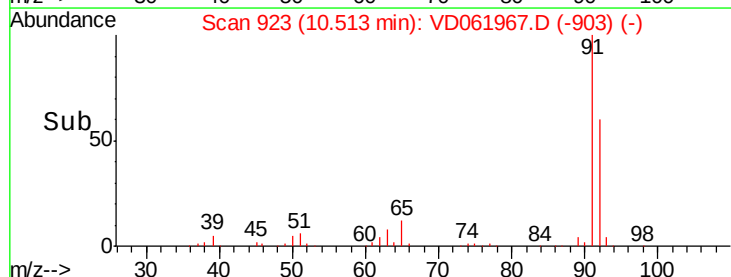
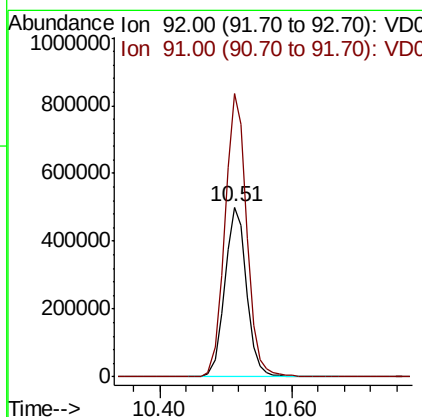
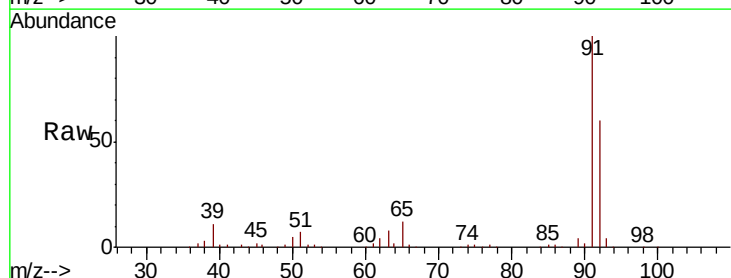
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

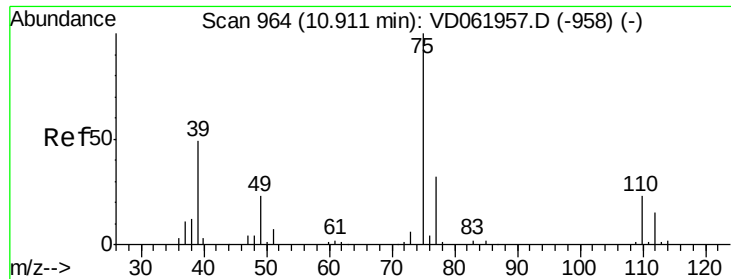
Tgt Ion: 43 Resp: 1361212
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.4 45.6



#52
 Toluene
 Concen: 87.653 ug/l
 RT: 10.51 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Tgt Ion: 92 Resp: 1161564
 Ion Ratio Lower Upper
 92 100
 91 166.6 136.6 204.8

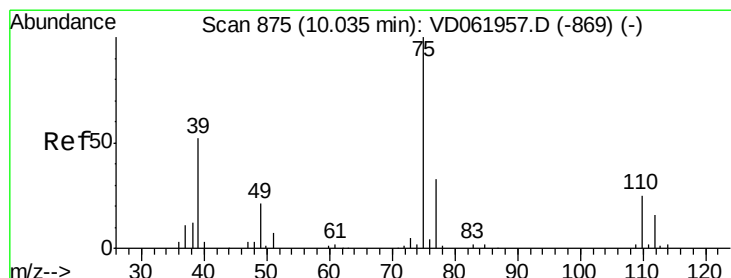
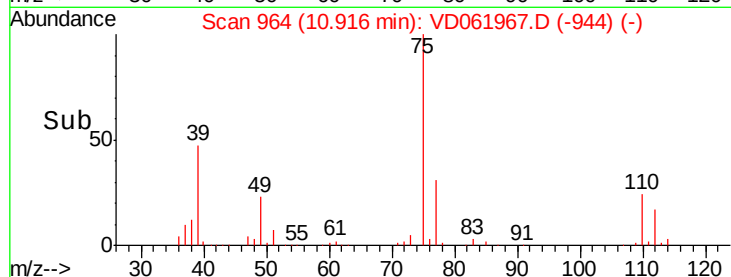
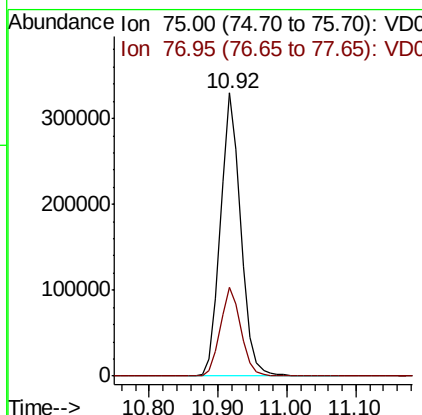
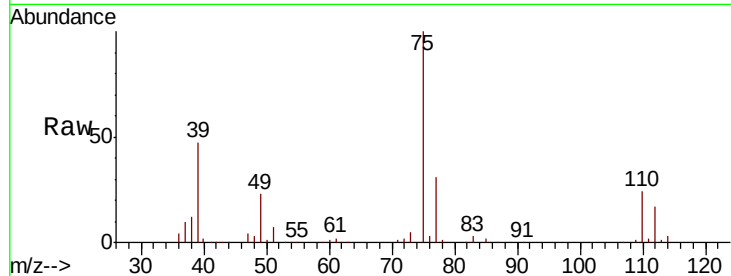




#53
 t-1,3-Dichloropropene
 Concen: 83.269 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

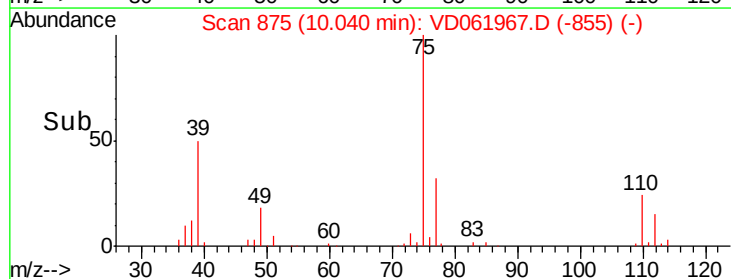
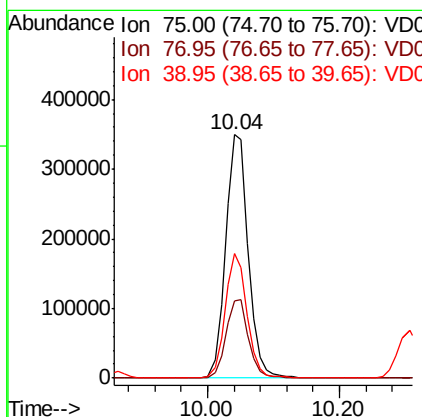
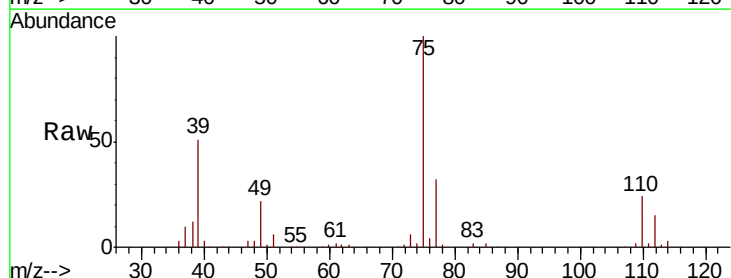
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

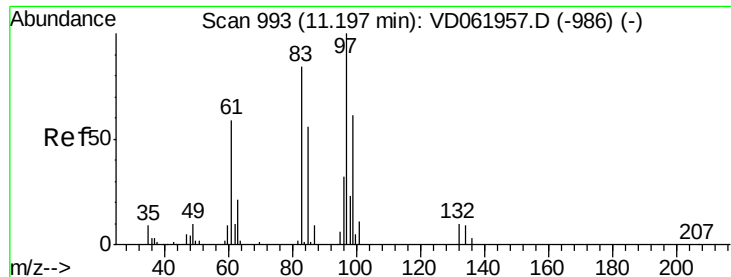
Tgt Ion: 75 Resp: 674994
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 89.046 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Tgt Ion: 75 Resp: 838571
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3
 39 51.2 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 85.682 ug/l

RT: 11.19 min Scan# 992

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 408602

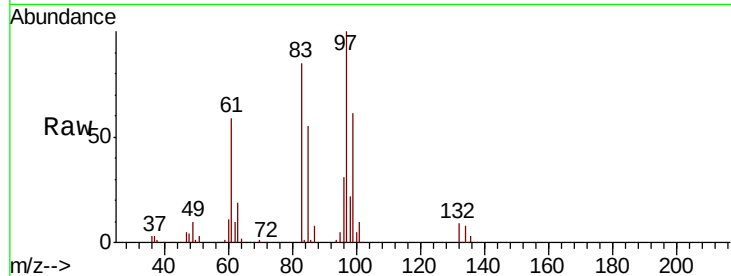
Ion Ratio Lower Upper

97 100

83 84.9 65.7 98.5

85 54.8 45.6 68.4

99 61.3 48.4 72.6

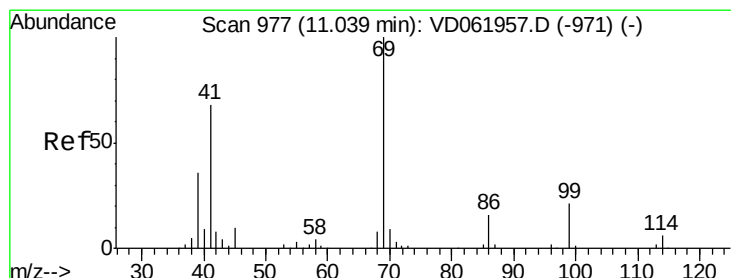
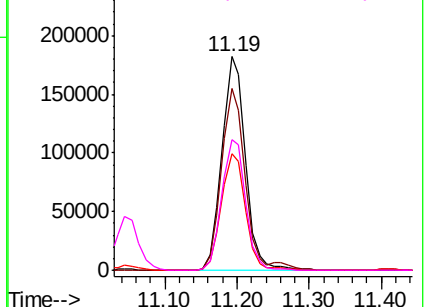
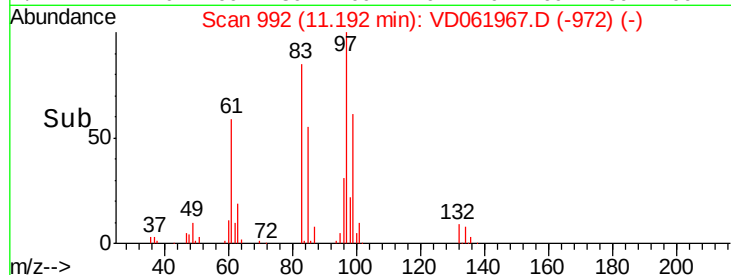


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 88.348 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

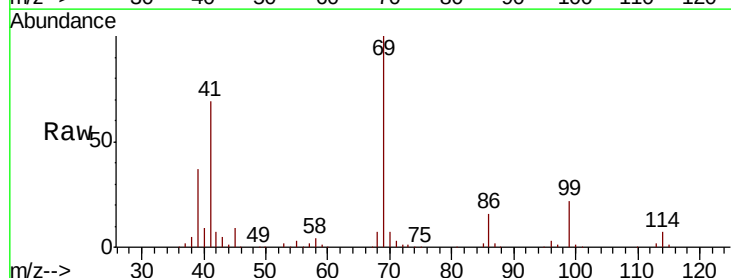
Tgt Ion: 69 Resp: 447534

Ion Ratio Lower Upper

69 100

41 69.5 56.3 84.5

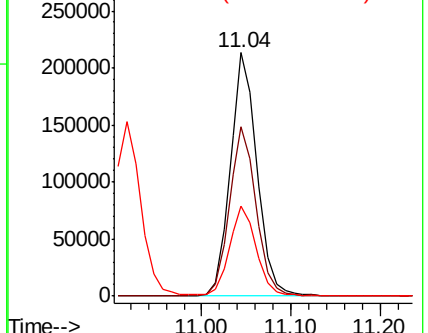
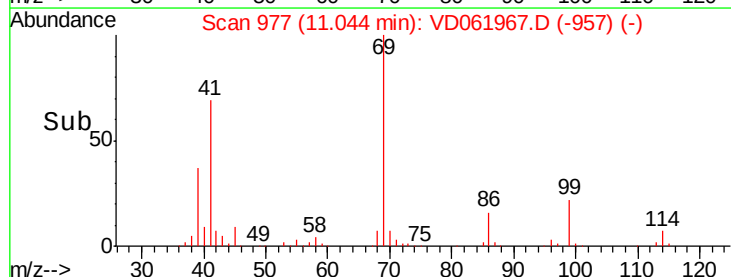
39 37.1 29.4 44.2

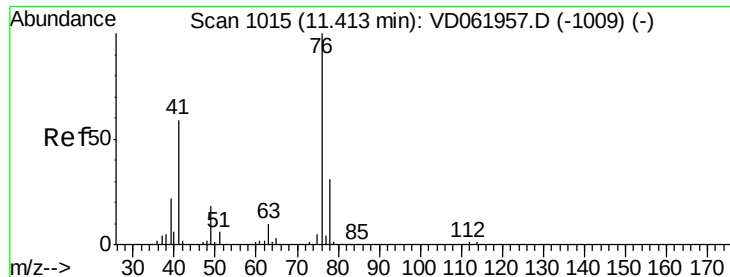


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 93.678 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

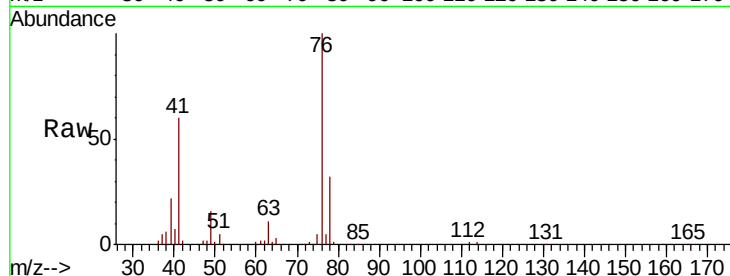
VSTDIC100

Tgt Ion: 76 Resp: 665623

Ion Ratio Lower Upper

76 100

78 31.7 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

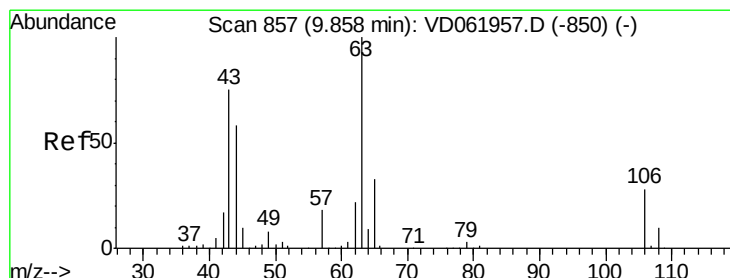
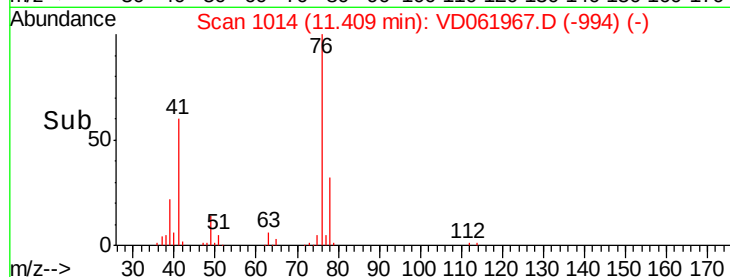
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 401.426 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD061967.D

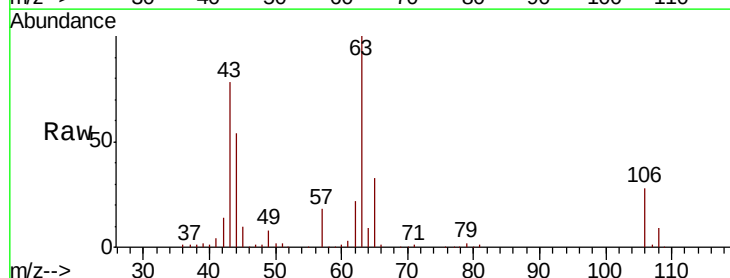
Acq: 23 Apr 2019 12:51

Tgt Ion: 63 Resp: 975644

Ion Ratio Lower Upper

63 100

106 27.9 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

9.86

500000

400000

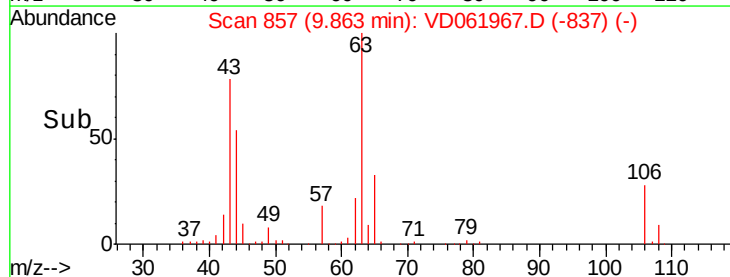
300000

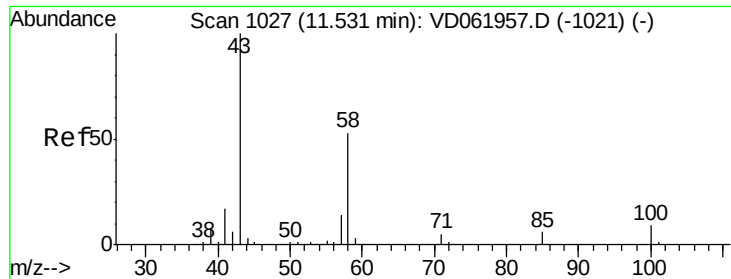
200000

100000

0

Time-->

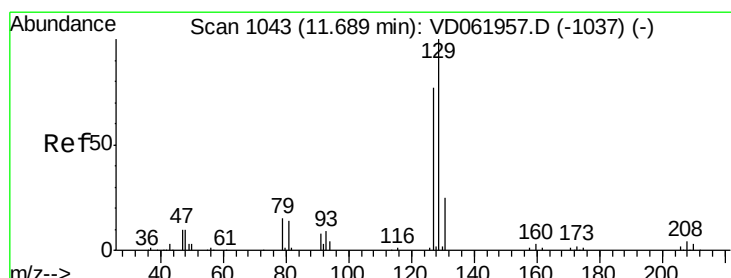
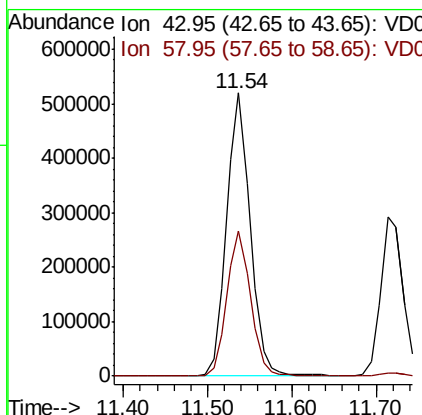
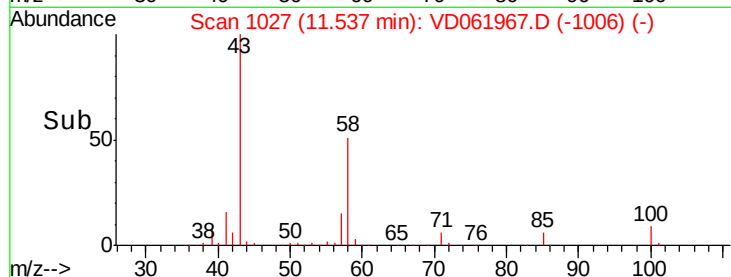
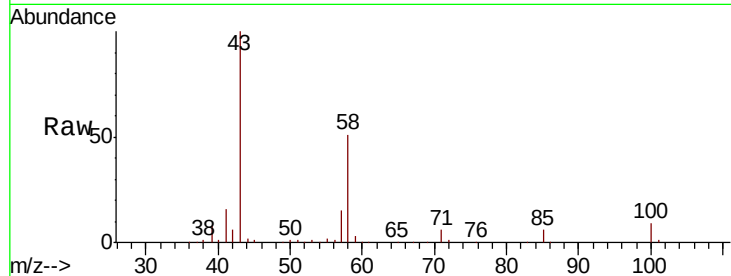




#59
2-Hexanone
Concen: 408.314 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

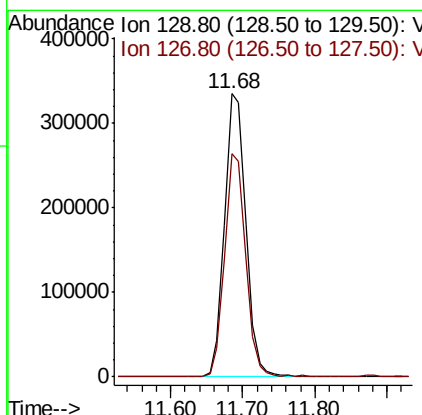
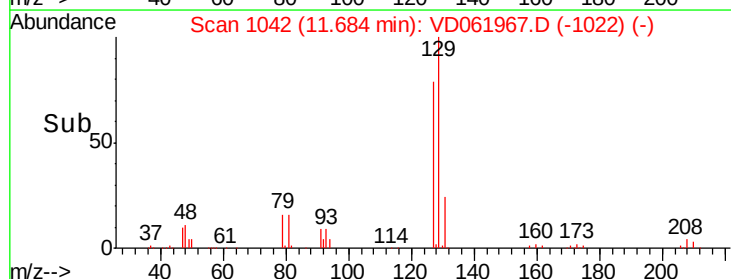
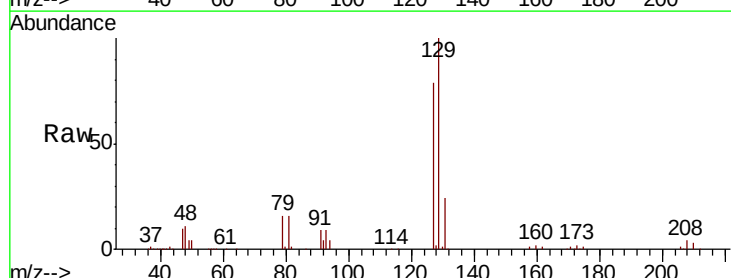
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

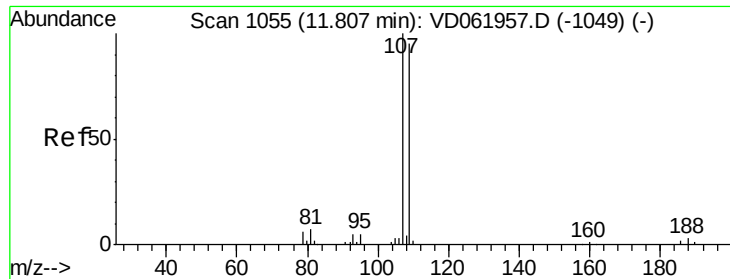
Tgt Ion: 43 Resp: 1011628
Ion Ratio Lower Upper
43 100
58 51.3 25.4 76.4



#60
Dibromochloromethane
Concen: 89.683 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Tgt Ion: 129 Resp: 688467
Ion Ratio Lower Upper
129 100
127 78.9 38.0 113.9

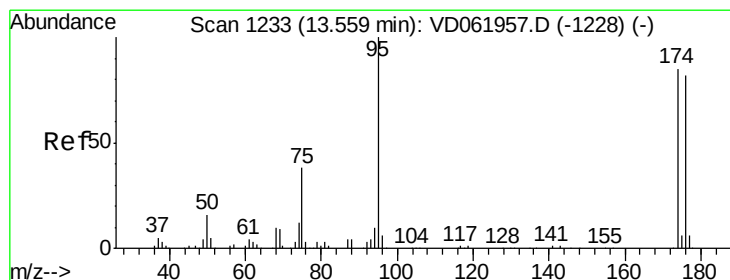
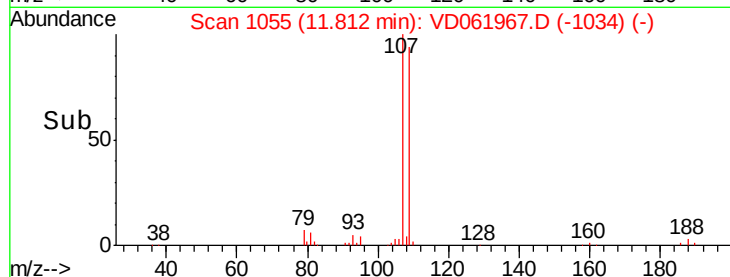
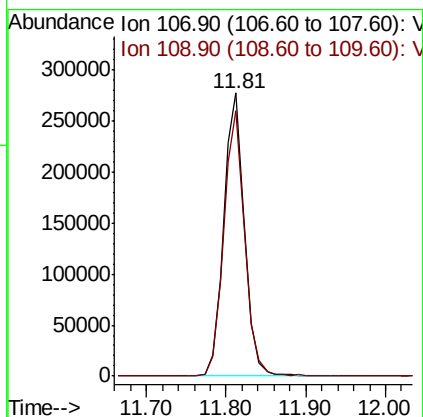
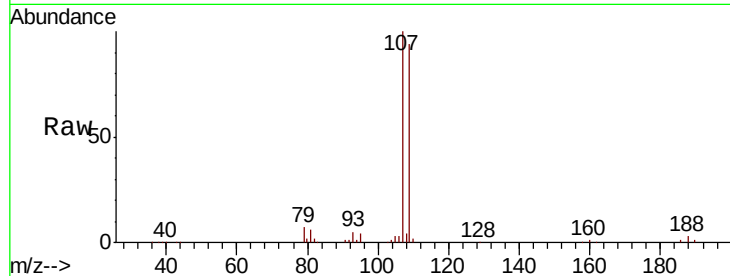




#61
 1,2-Dibromoethane
 Concen: 89.027 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

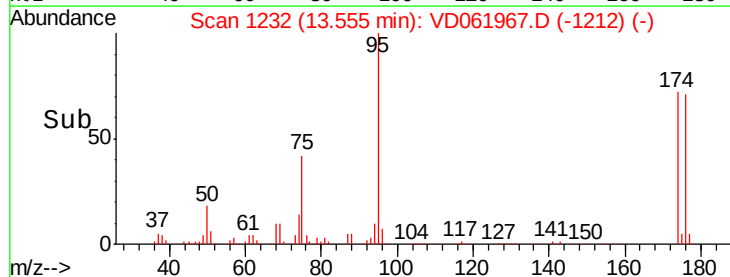
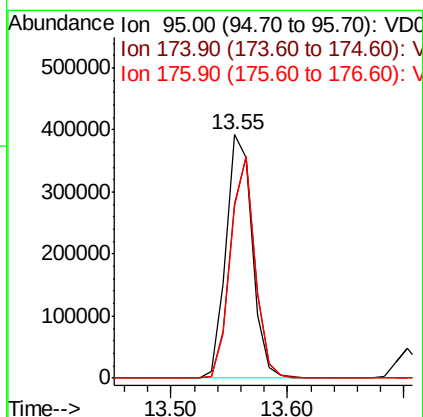
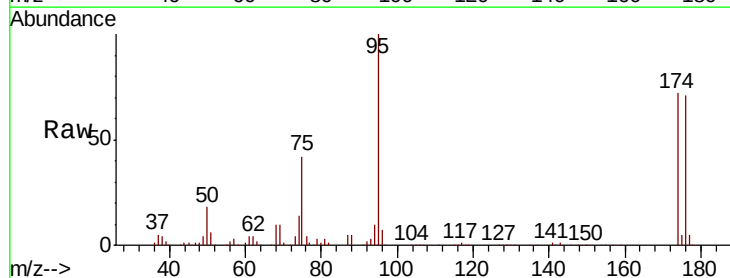
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

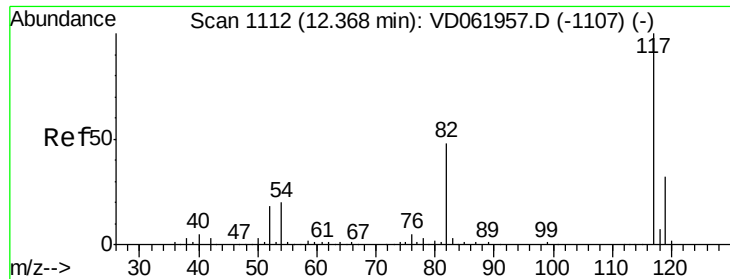
Tgt Ion: 107 Resp: 508703
 Ion Ratio Lower Upper
 107 100
 109 93.8 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 89.027 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Tgt Ion: 95 Resp: 613926
 Ion Ratio Lower Upper
 95 100
 174 71.7 0.0 181.8
 176 70.6 0.0 174.4

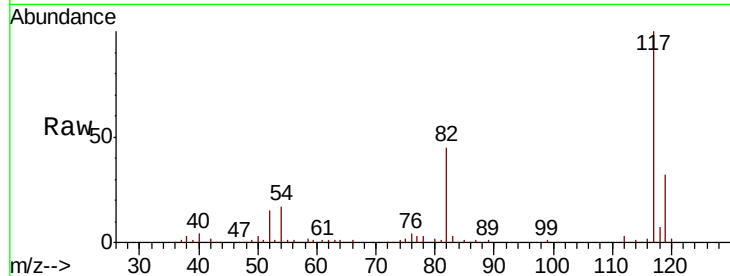




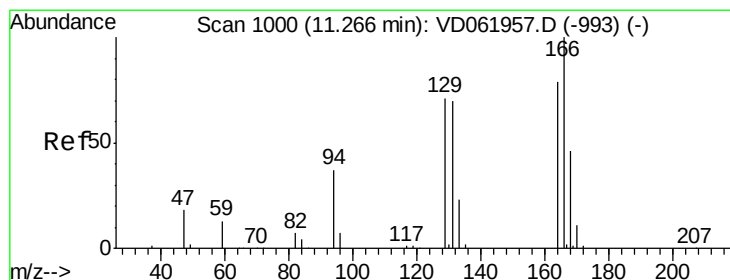
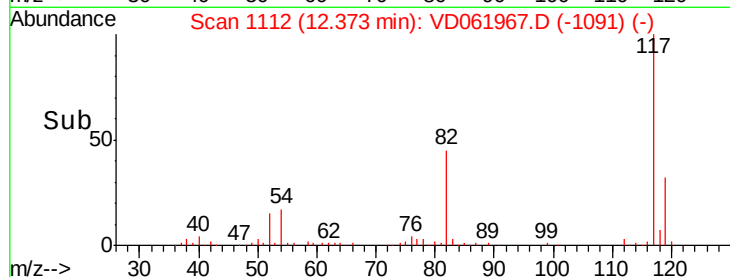
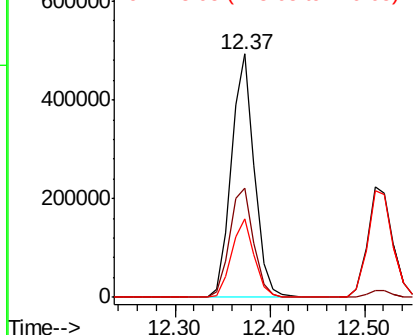
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 823877
Ion Ratio Lower Upper
117 100
82 44.6 36.2 54.2
119 32.3 26.2 39.4

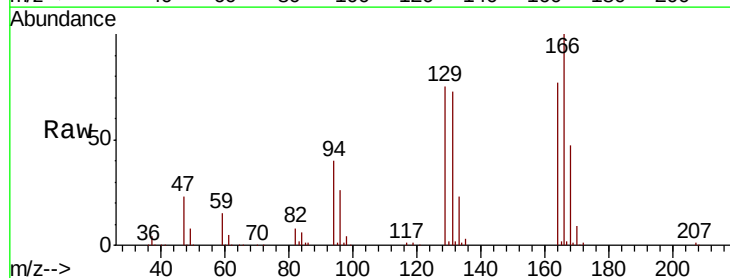


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

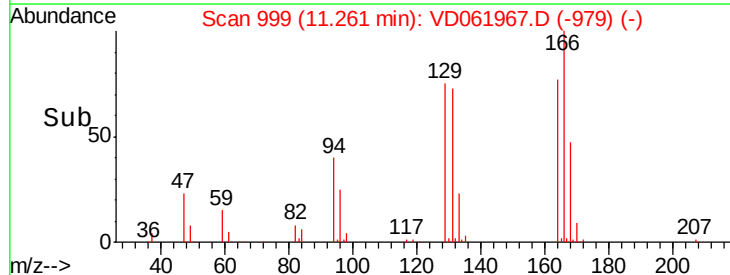
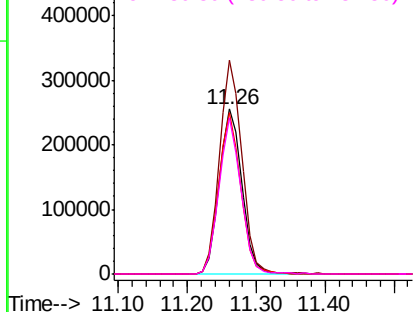


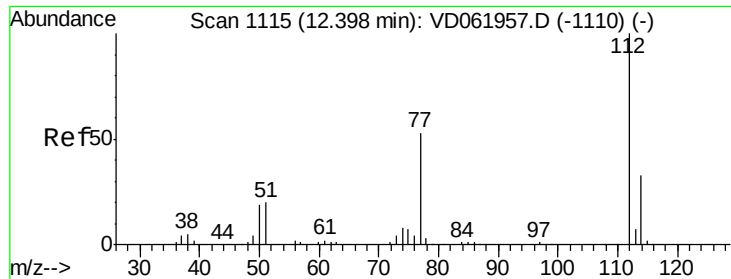
#64
Tetrachloroethene
Concen: 97.136 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Tgt Ion:164 Resp: 582743
Ion Ratio Lower Upper
164 100
166 129.6 101.5 152.3
129 97.7 74.6 112.0
131 94.4 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

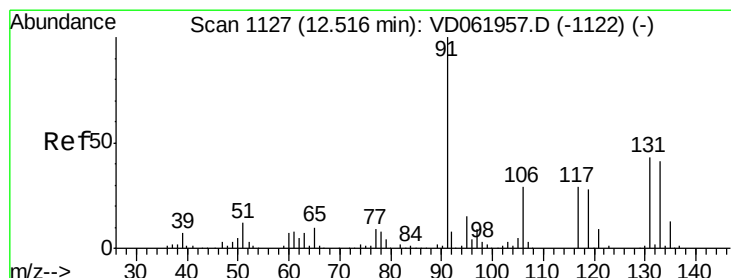
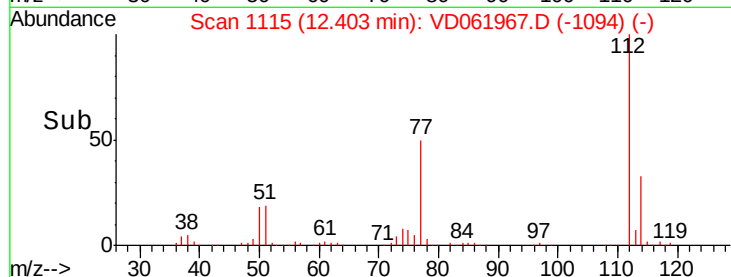
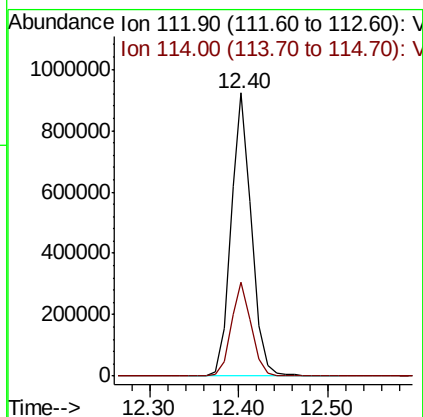
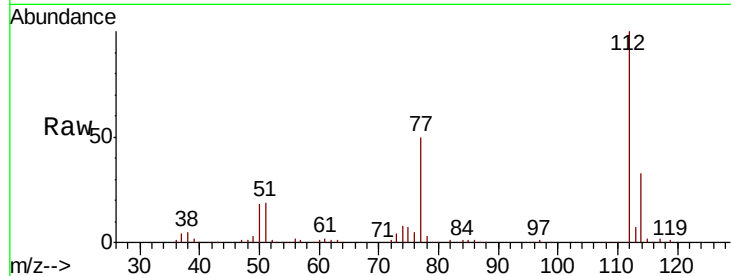




#65
Chlorobenzene
Concen: 93.636 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

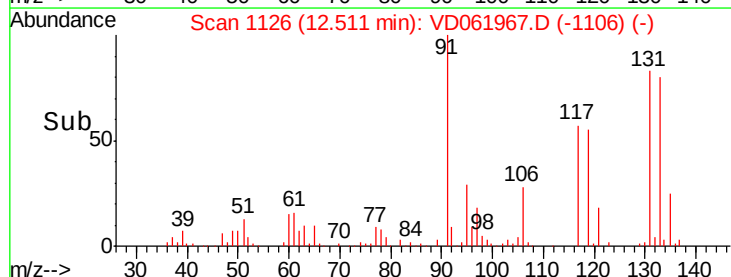
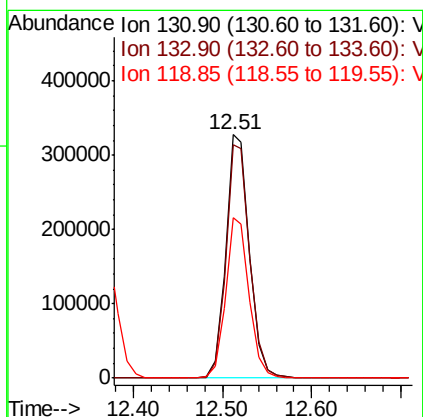
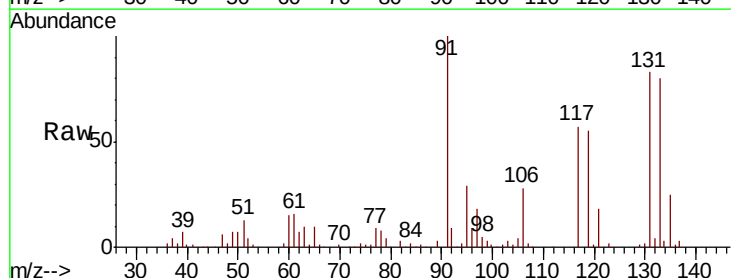
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

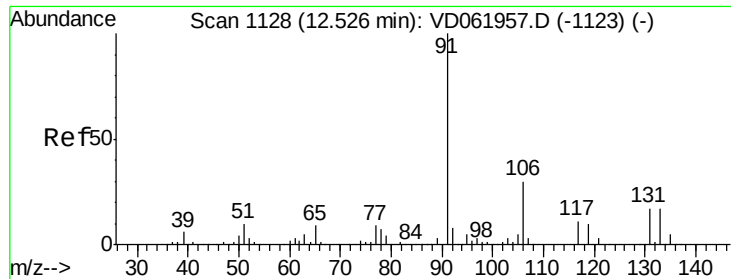
Tgt Ion:112 Resp: 1480553
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 93.150 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Tgt Ion:131 Resp: 607997
Ion Ratio Lower Upper
131 100
133 96.1 48.6 145.8
119 66.0 34.7 104.1

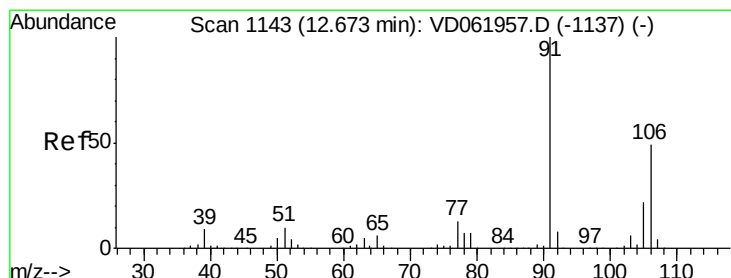
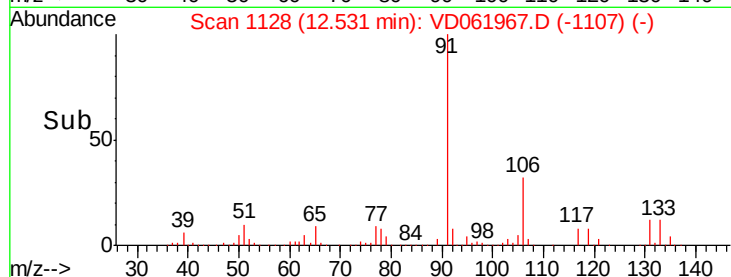
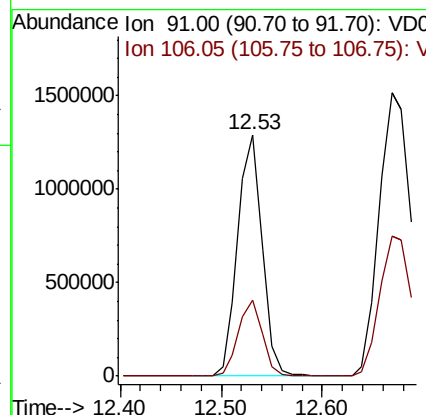
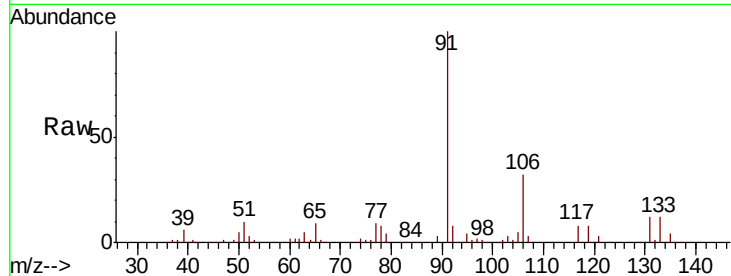




#67
Ethyl Benzene
Concen: 90.797 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

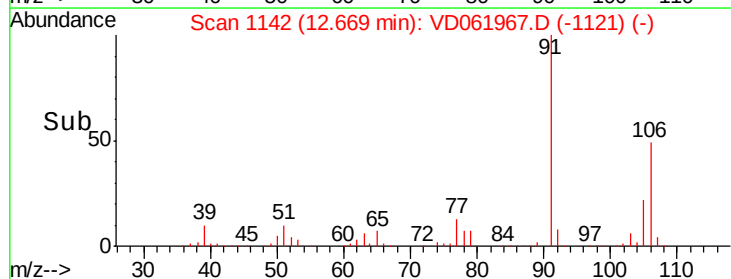
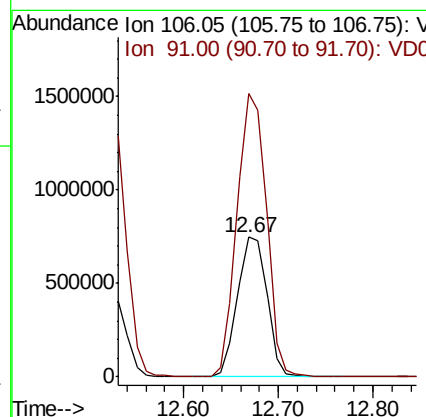
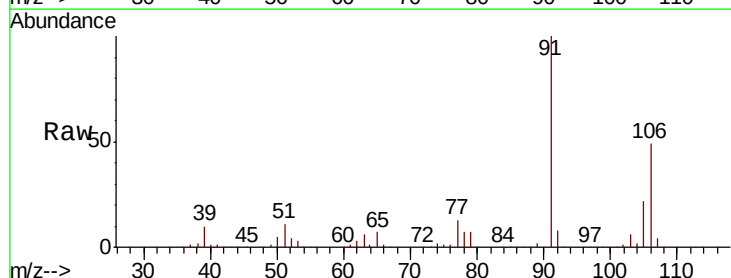
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

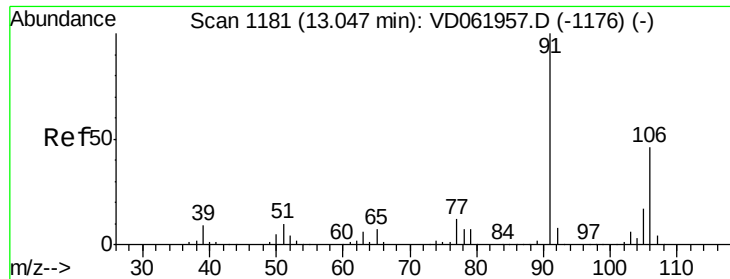
Tgt Ion: 91 Resp: 2179845
Ion Ratio Lower Upper
91 100
106 31.7 24.7 37.1



#68
m/p-Xylenes
Concen: 176.346 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Tgt Ion: 106 Resp: 1619394
Ion Ratio Lower Upper
106 100
91 202.7 164.0 246.0

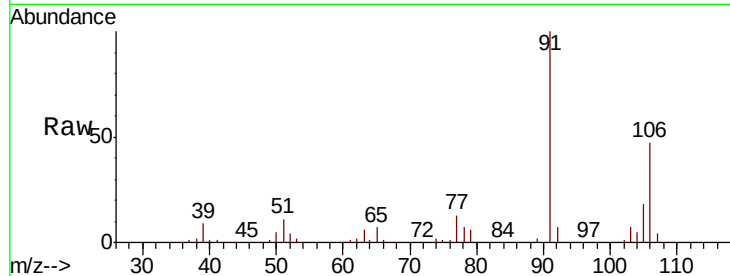




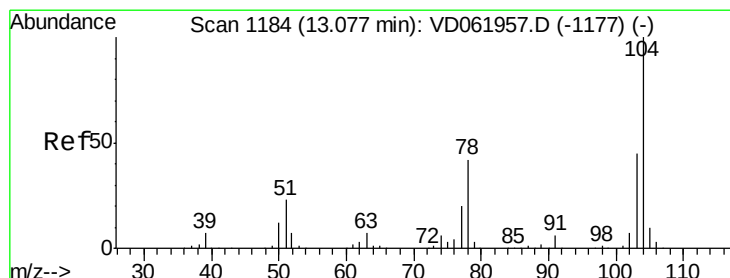
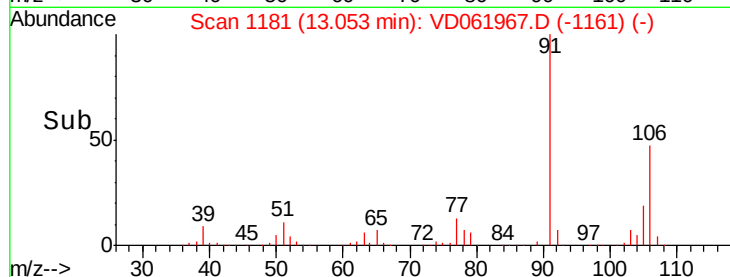
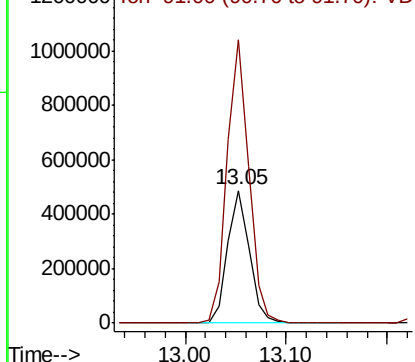
#69
o-Xylene
Concen: 83.714 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 731625
Ion Ratio Lower Upper
106 100
91 213.9 106.7 319.9

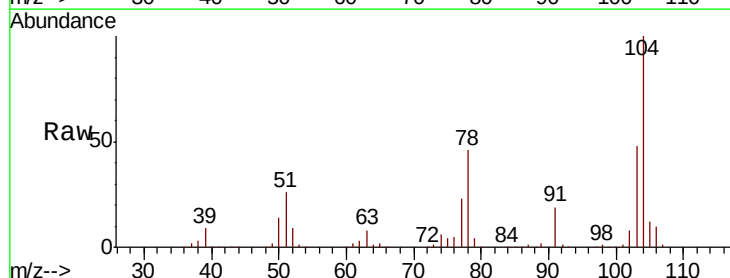


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

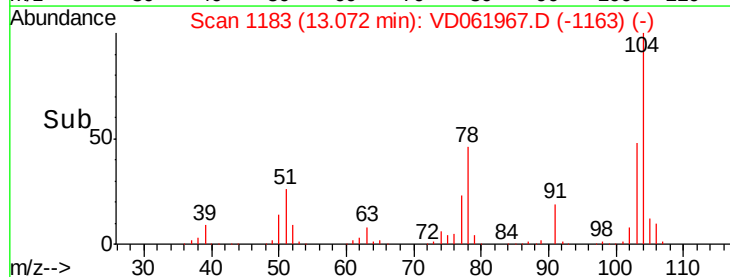
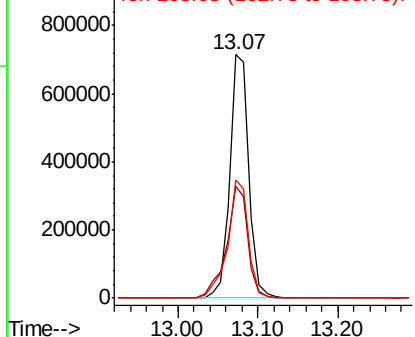


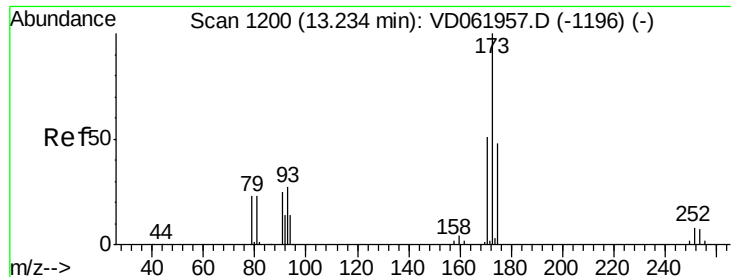
#70
Styrene
Concen: 79.392 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Tgt Ion:104 Resp: 1200678
Ion Ratio Lower Upper
104 100
78 46.1 35.4 53.2
103 48.5 37.5 56.3



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





#71

Bromoform

Concen: 95.657 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

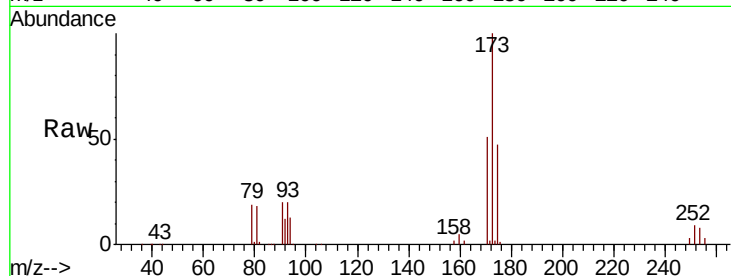
Tgt Ion:173 Resp: 385400

Ion Ratio Lower Upper

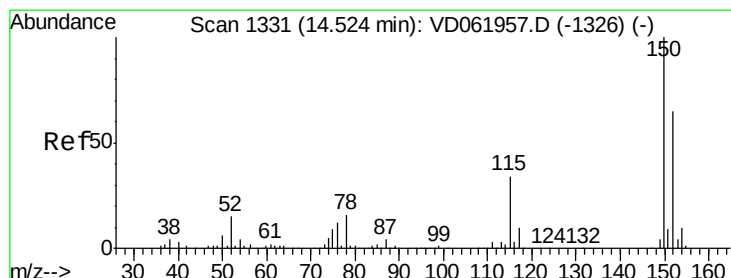
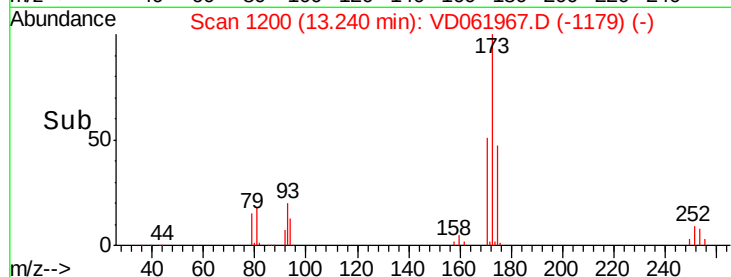
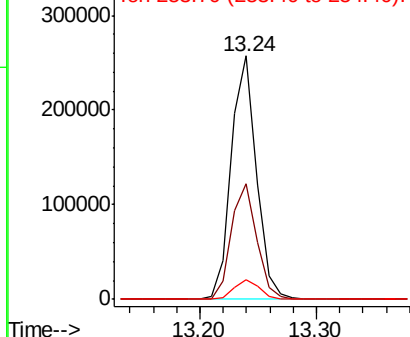
173 100

175 47.5 24.4 73.4

254 8.1 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# 1330

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

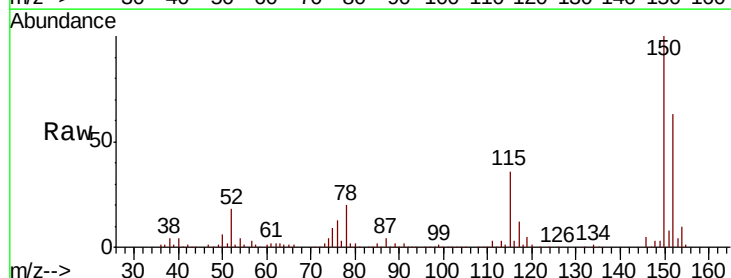
Tgt Ion:152 Resp: 343406

Ion Ratio Lower Upper

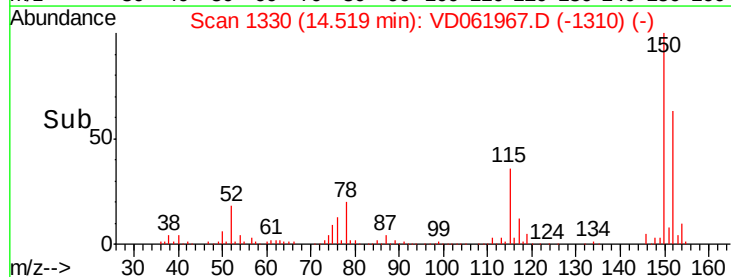
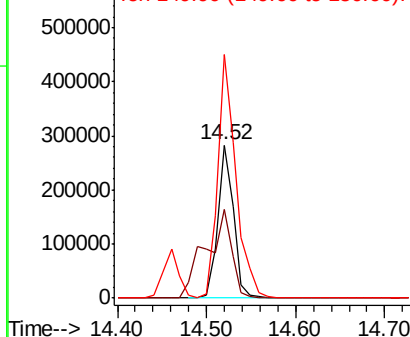
152 100

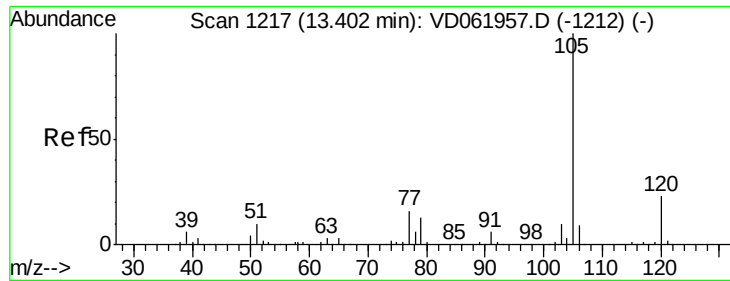
115 57.8 30.9 92.7

150 158.7 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: 99.812 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

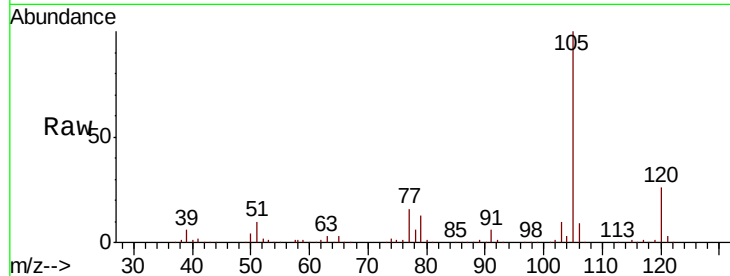
VSTDIC100

Tgt Ion:105 Resp: 2185721

Ion Ratio Lower Upper

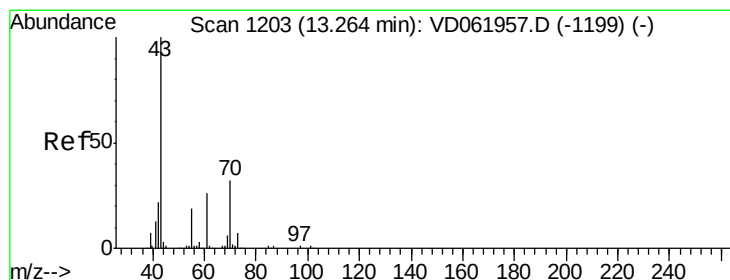
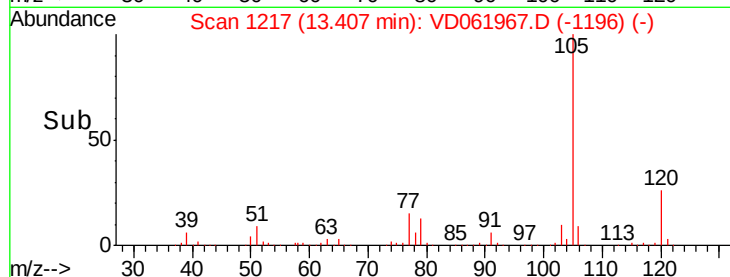
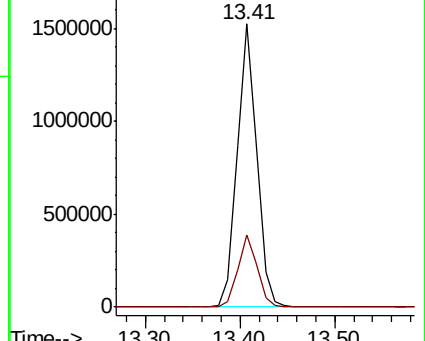
105 100

120 25.5 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: 100.421 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Tgt Ion: 43 Resp: 598129

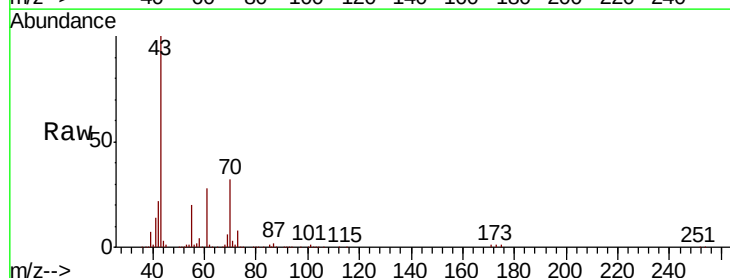
Ion Ratio Lower Upper

43 100

70 31.9 24.2 36.4

55 19.9 16.0 24.0

61 27.6 21.6 32.4

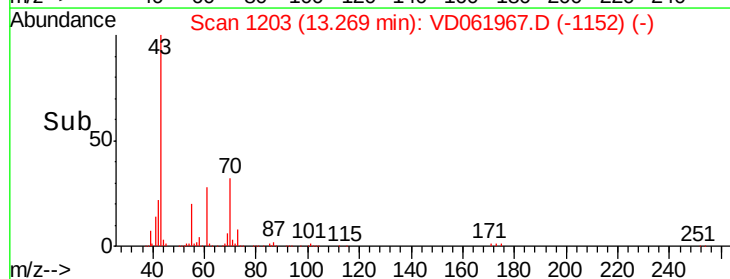
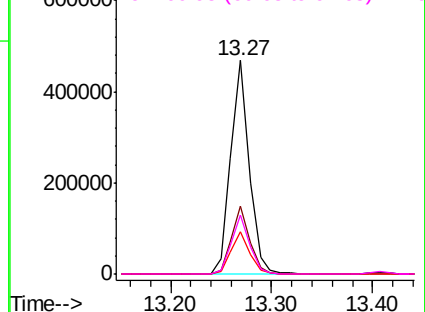


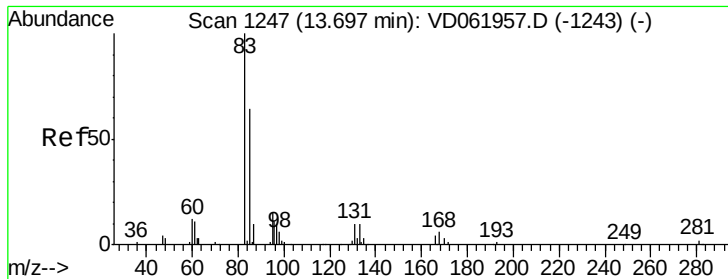
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 94.966 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

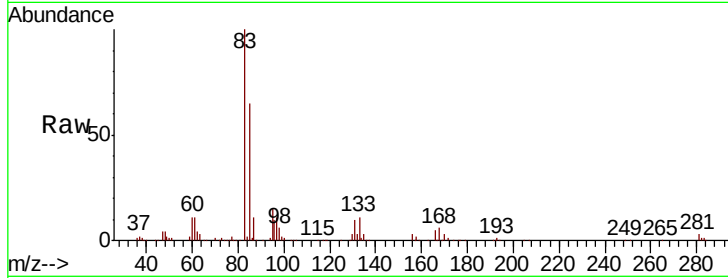
Tgt Ion: 83 Resp: 448273

Ion Ratio Lower Upper

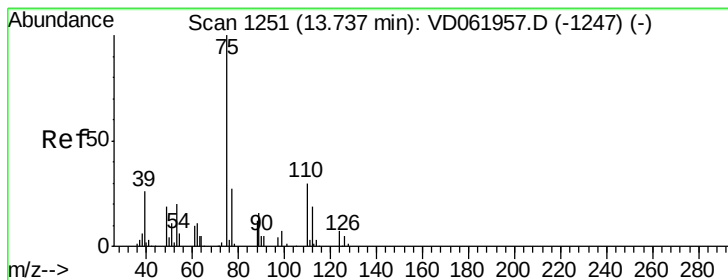
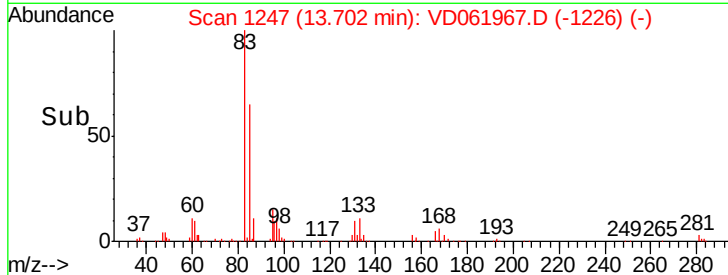
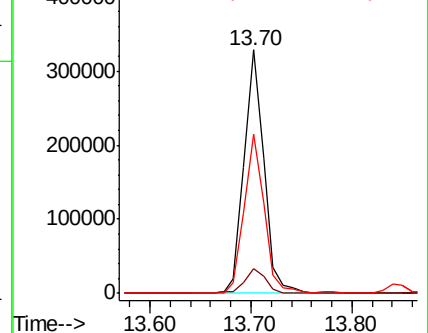
83 100

131 10.4 5.0 14.9

85 65.4 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 97.803 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061967.D

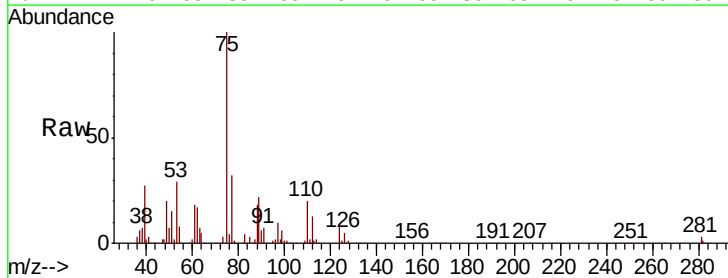
Acq: 23 Apr 2019 12:51

Tgt Ion: 75 Resp: 445982

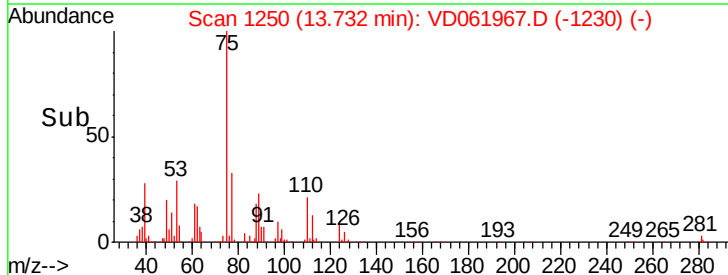
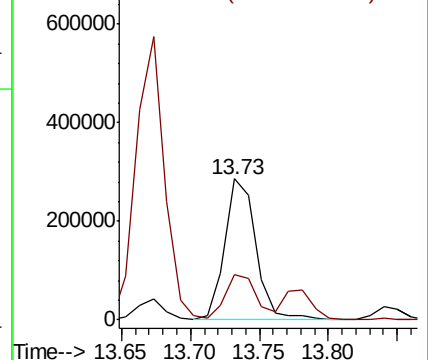
Ion Ratio Lower Upper

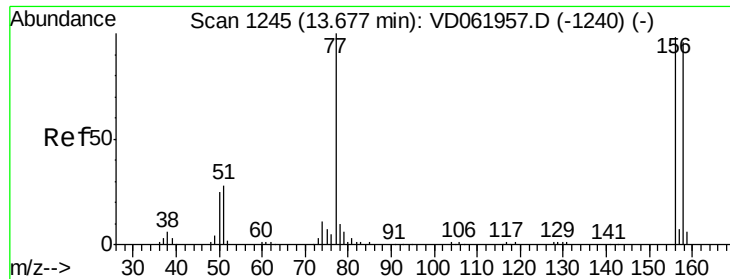
75 100

77 32.0 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 103.137 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

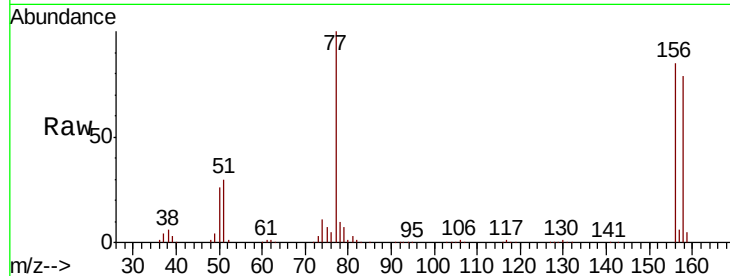
Tgt Ion:156 Resp: 664978

Ion Ratio Lower Upper

156 100

77 117.4 53.1 159.4

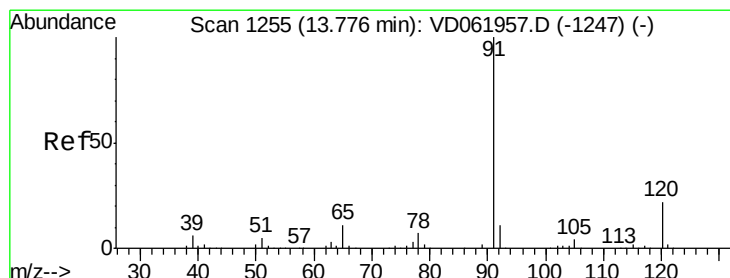
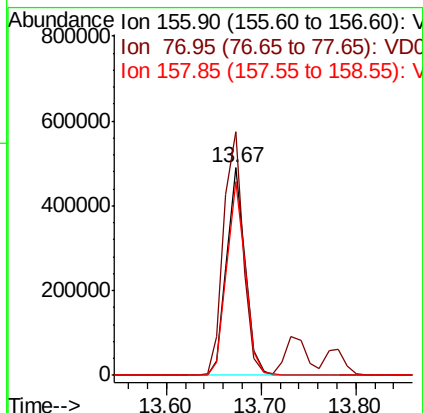
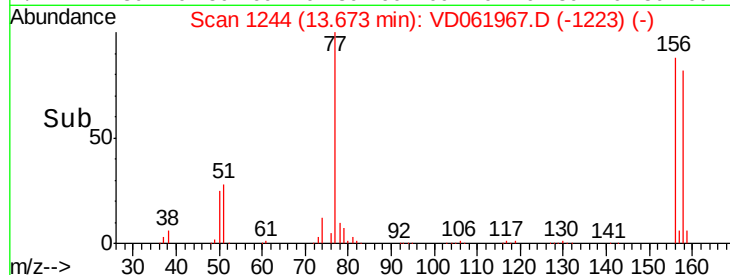
158 93.3 49.4 148.0



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: 92.714 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061967.D

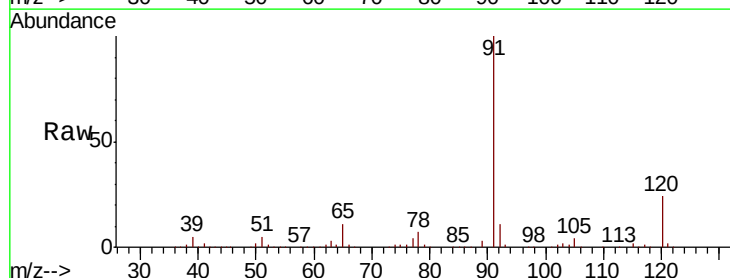
Acq: 23 Apr 2019 12:51

Tgt Ion: 91 Resp: 2410096

Ion Ratio Lower Upper

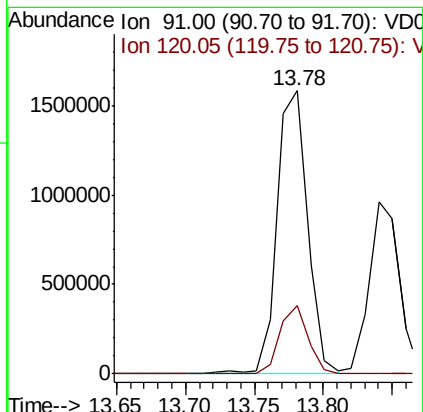
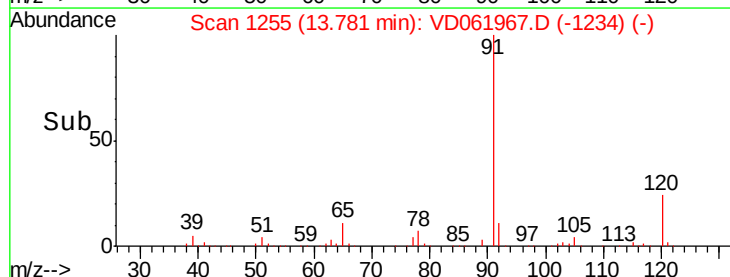
91 100

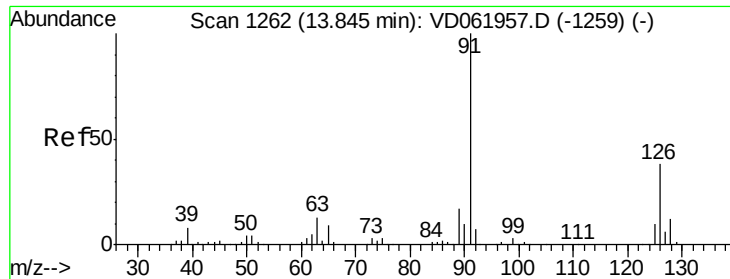
120 24.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

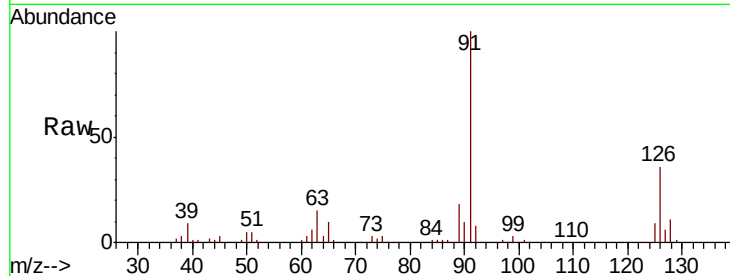




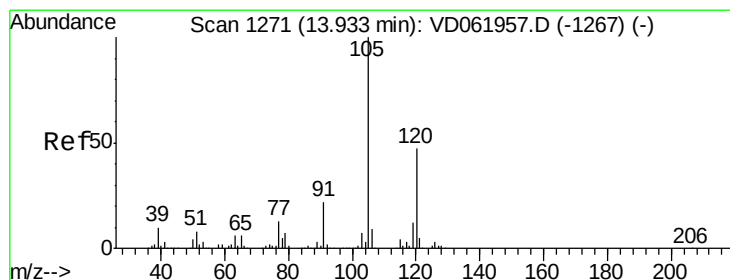
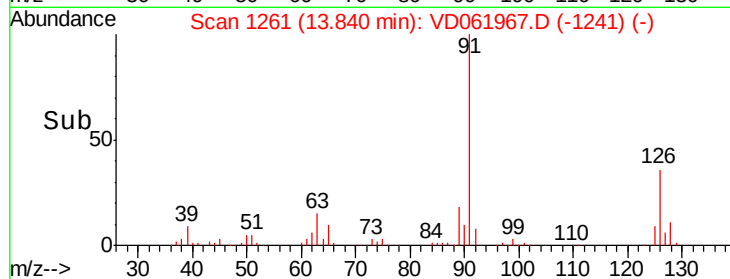
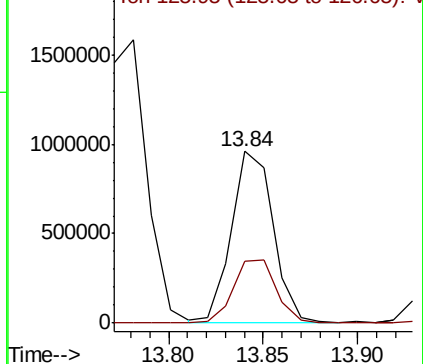
#79
 2-Chlorotoluene
 Concen: 94.251 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 91 Resp: 1464185
 Ion Ratio Lower Upper
 91 100
 126 36.1 18.6 55.8

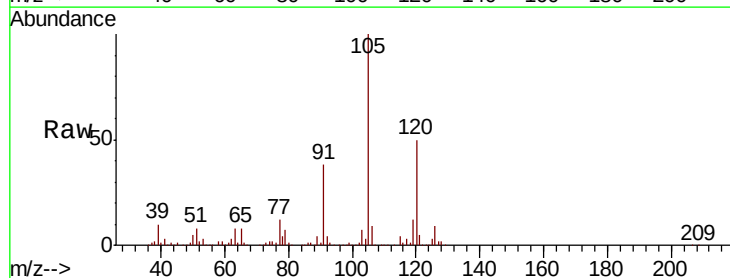


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

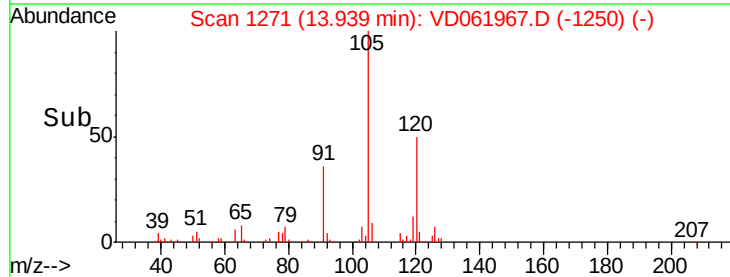
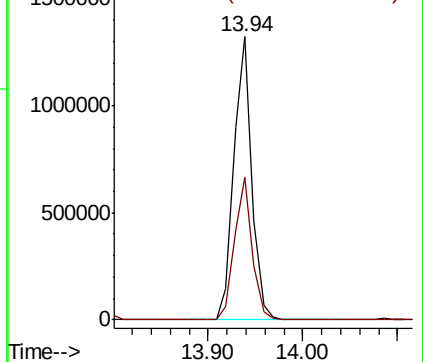


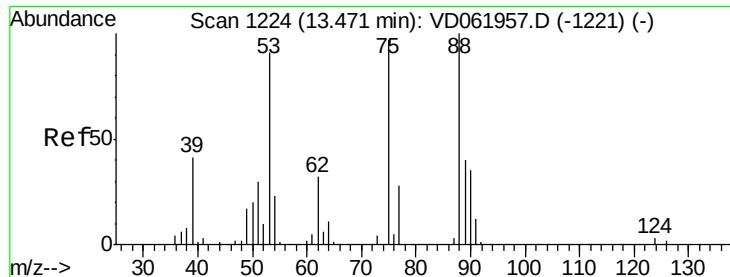
#80
 1,3,5-Trimethylbenzene
 Concen: 93.961 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Tgt Ion: 105 Resp: 1722300
 Ion Ratio Lower Upper
 105 100
 120 50.3 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: 106.477 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

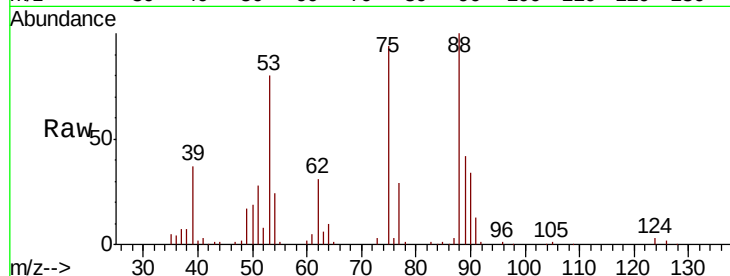
Tgt Ion: 75 Resp: 143558

Ion Ratio Lower Upper

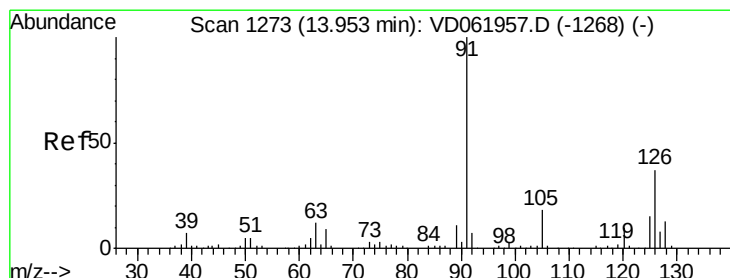
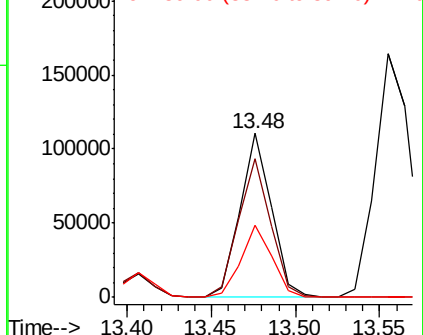
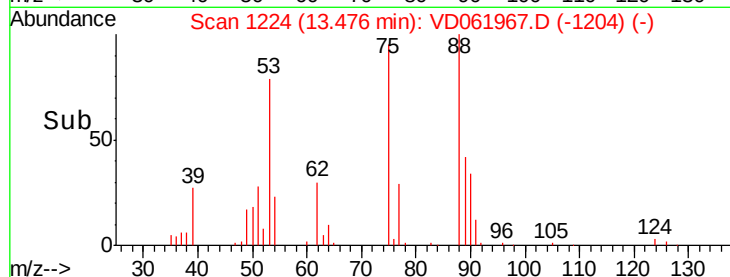
75 100

53 84.8 65.8 98.8

89 44.3 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: 92.054 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD061967.D

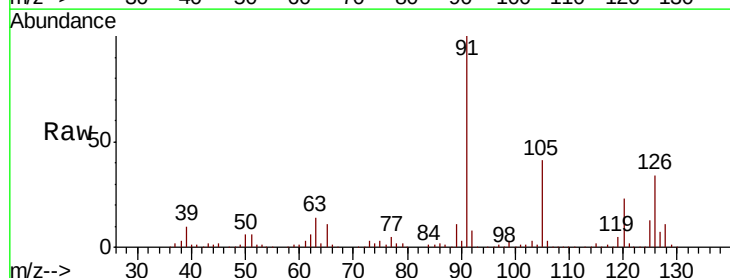
Acq: 23 Apr 2019 12:51

Tgt Ion: 91 Resp: 1611317

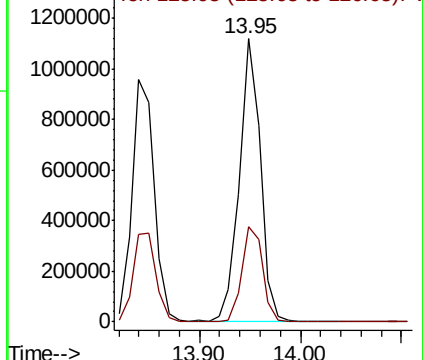
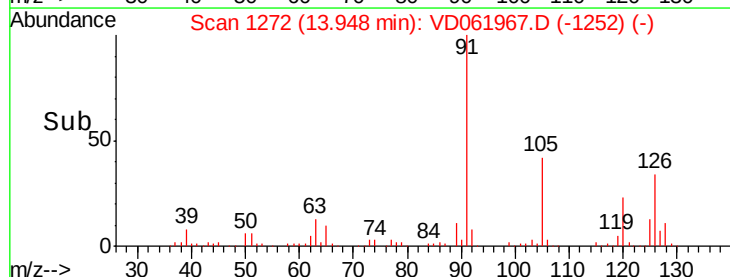
Ion Ratio Lower Upper

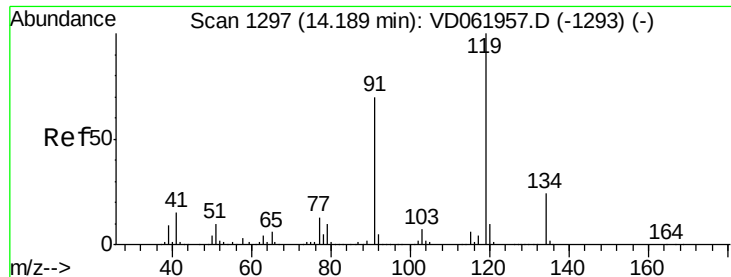
91 100

126 33.8 19.1 57.5



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

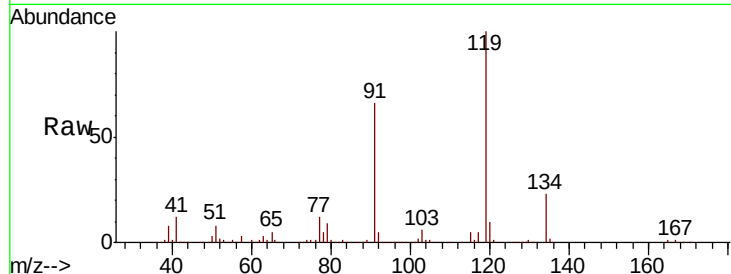




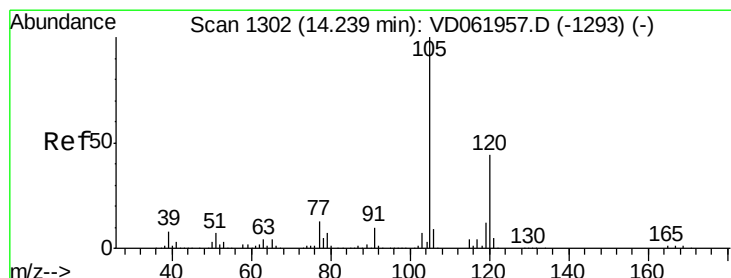
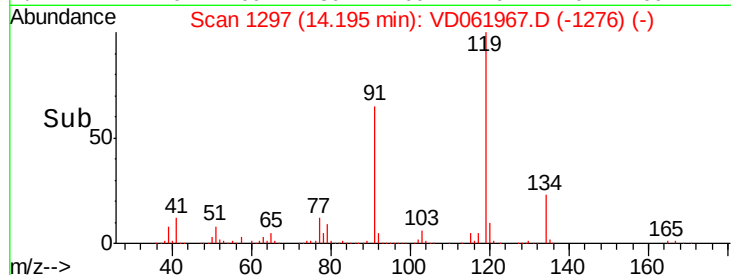
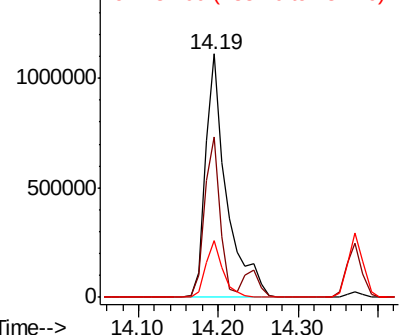
#83
 tert-Butylbenzene
 Concen: 99.006 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:119 Resp: 2060045
 Ion Ratio Lower Upper
 119 100
 91 65.9 34.2 102.6
 134 23.4 12.0 36.0

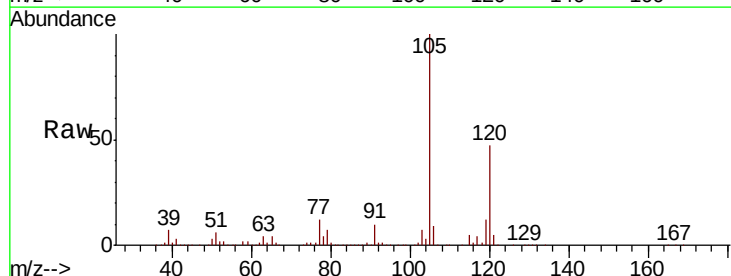


Abundance Ion 119.05 (118.75 to 119.75): V
 1500000 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

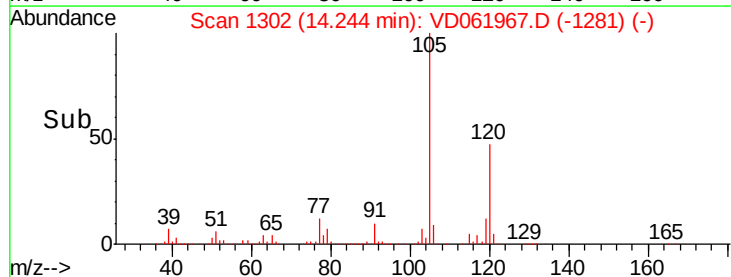
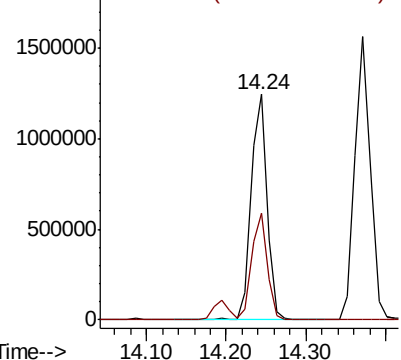


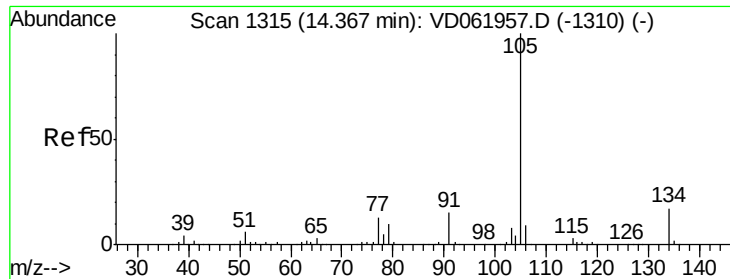
#84
 1,2,4-Trimethylbenzene
 Concen: 94.715 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Tgt Ion:105 Resp: 1702645
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V
 1500000 Ion 120.05 (119.75 to 120.75): V

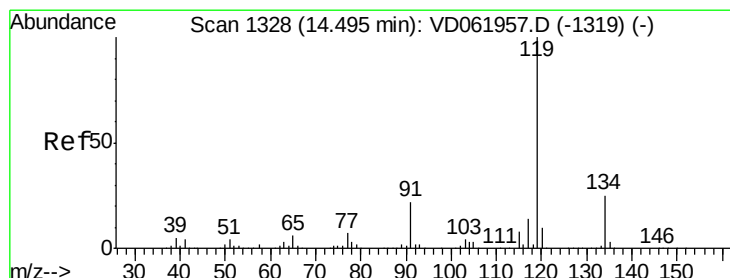
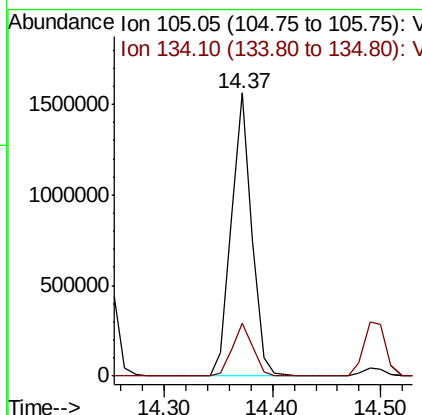
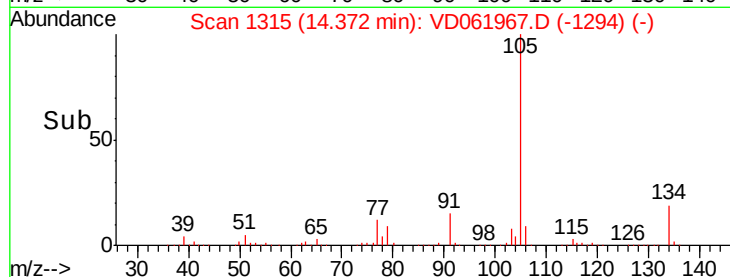
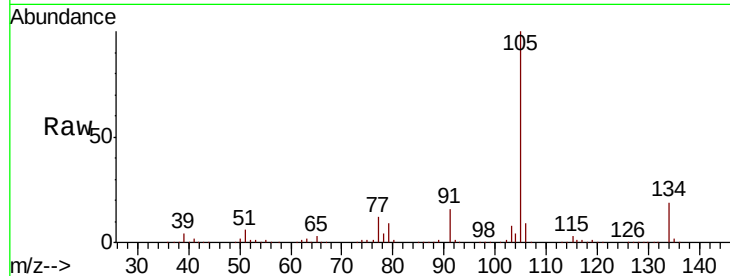




#85
 sec-Butylbenzene
 Concen: 91.831 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

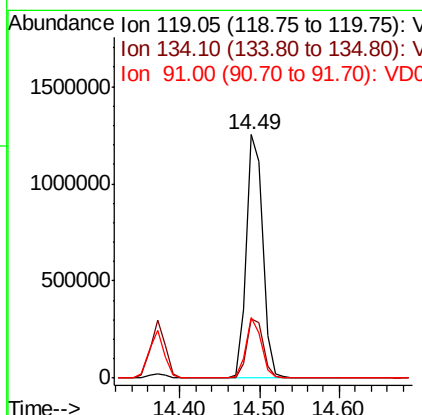
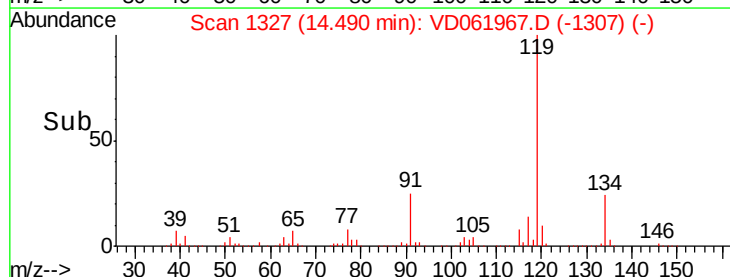
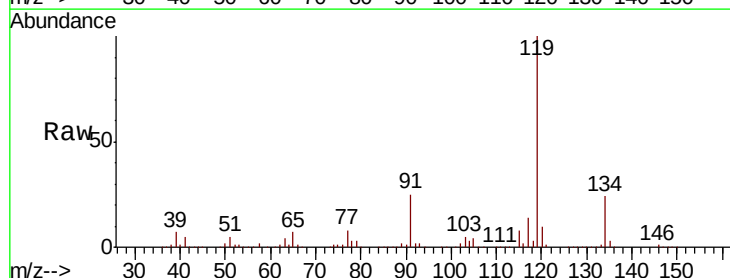
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

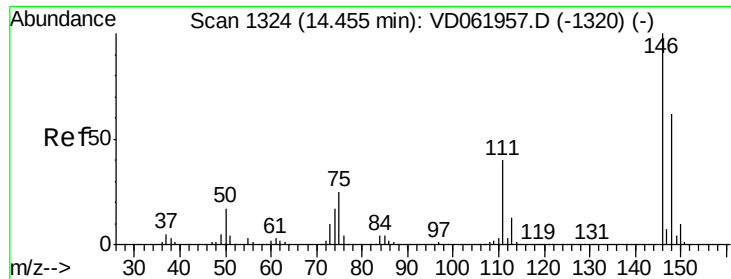
Tgt Ion:105 Resp: 2056631
 Ion Ratio Lower Upper
 105 100
 134 18.9 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 86.078 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Tgt Ion:119 Resp: 1765000
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.8 38.3
 91 25.1 10.7 32.1

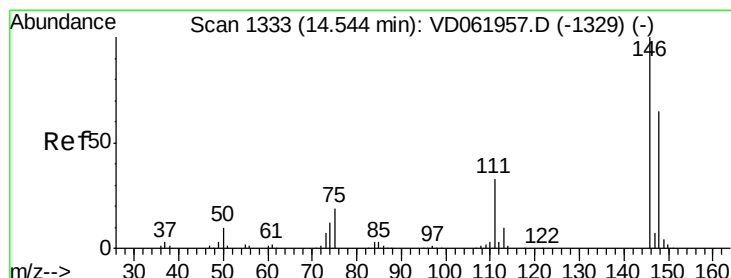
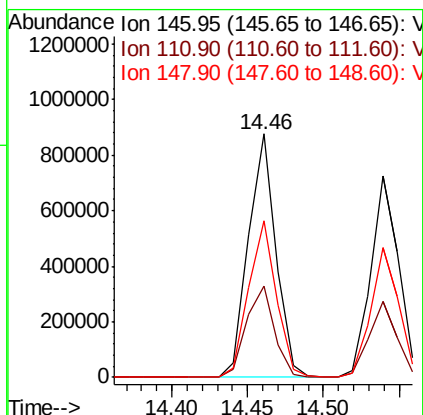
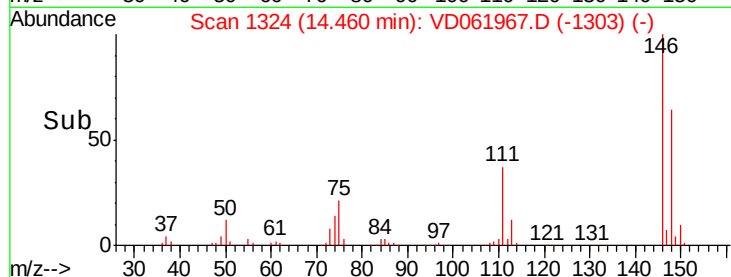
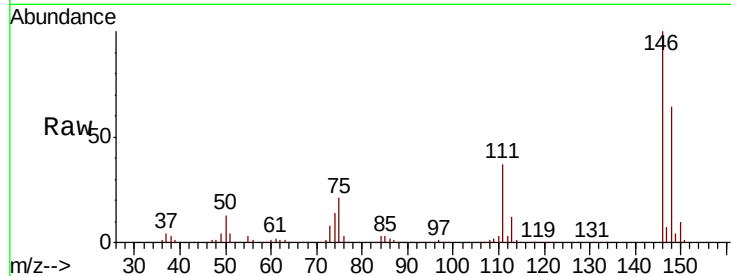




#87
 1,3-Dichlorobenzene
 Concen: 95.341 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

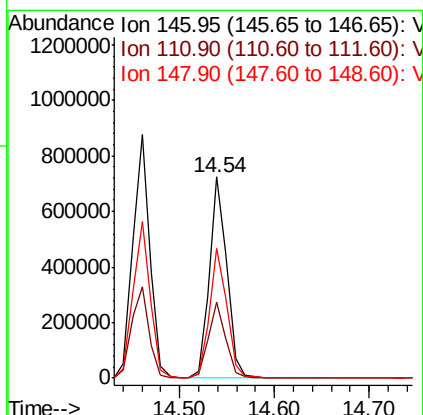
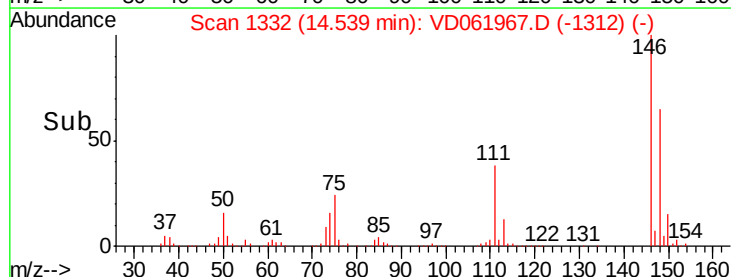
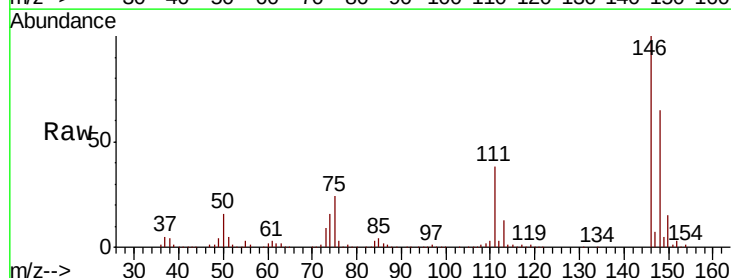
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

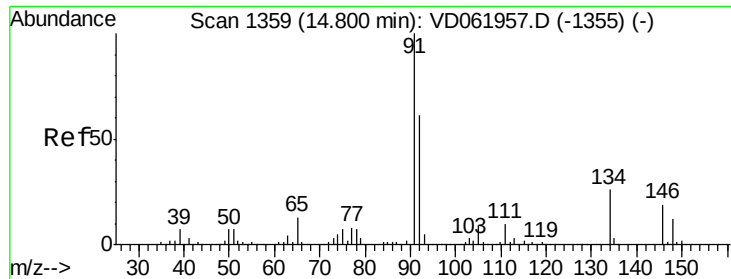
Tgt Ion:146 Resp: 1111631
 Ion Ratio Lower Upper
 146 100
 111 37.4 20.0 60.0
 148 64.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 85.284 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Tgt Ion:146 Resp: 937533
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.2 60.5
 148 64.7 32.0 96.2

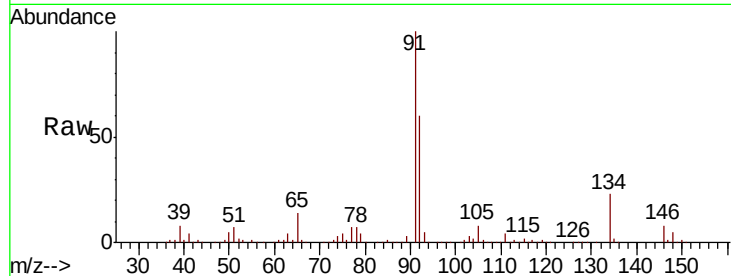




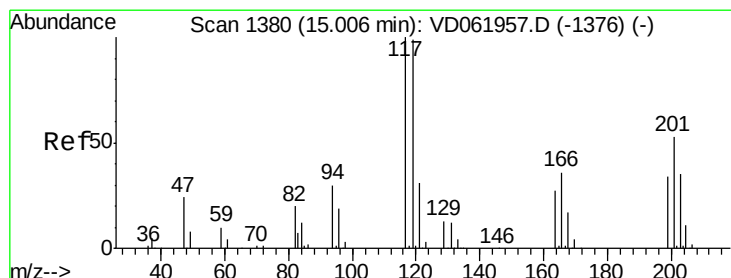
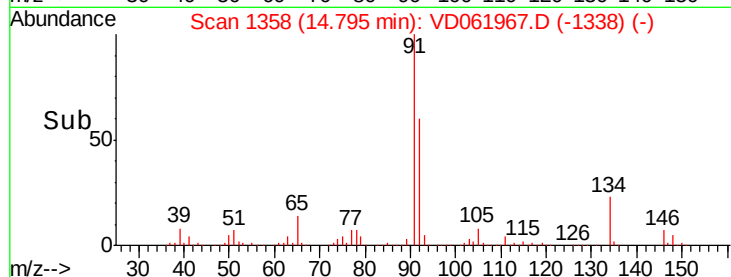
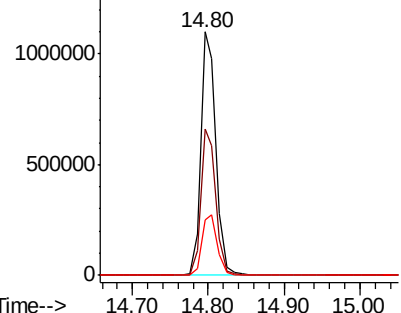
#89
n-Butylbenzene
Concen: 82.729 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 1543567
Ion Ratio Lower Upper
91 100
92 60.2 30.3 91.0
134 22.9 14.5 43.6

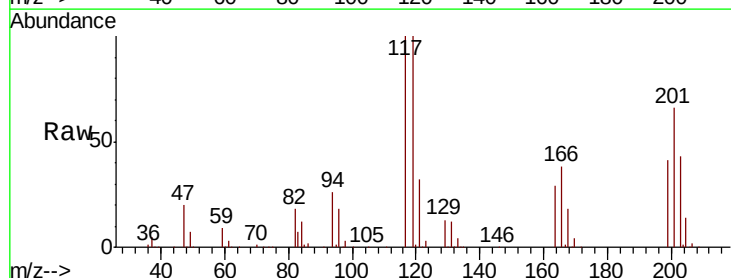


Abundance Ion 91.00 (90.70 to 91.70): V
1500000 Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

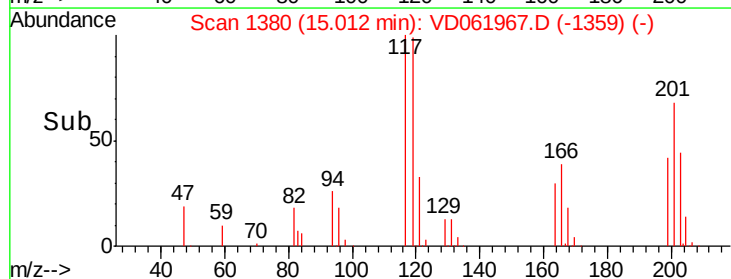
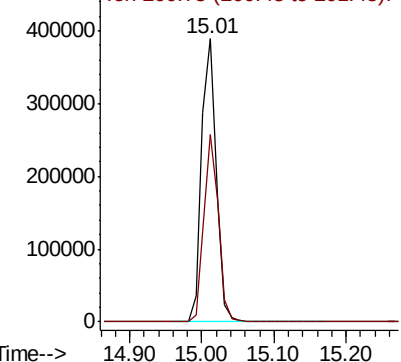


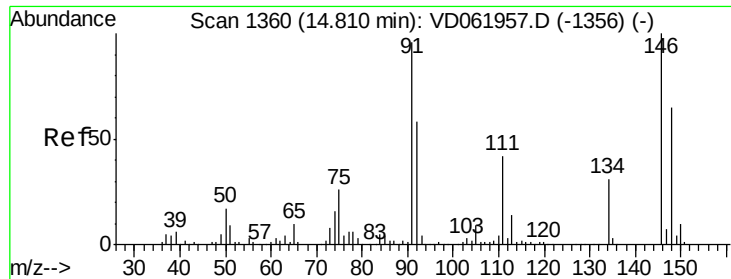
#90
Hexachloroethane
Concen: 94.040 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Tgt Ion: 117 Resp: 538529
Ion Ratio Lower Upper
117 100
201 66.1 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V
400000 Ion 200.75 (200.45 to 201.45): V

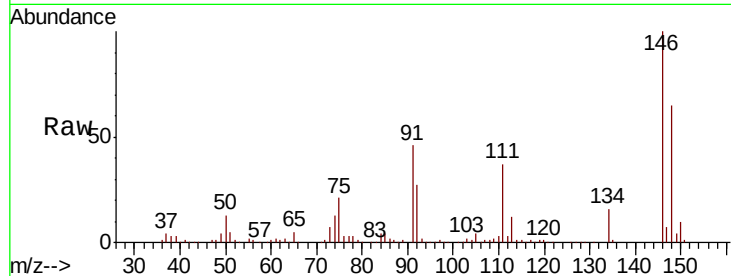




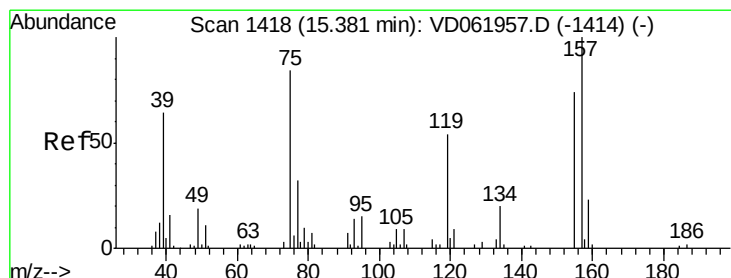
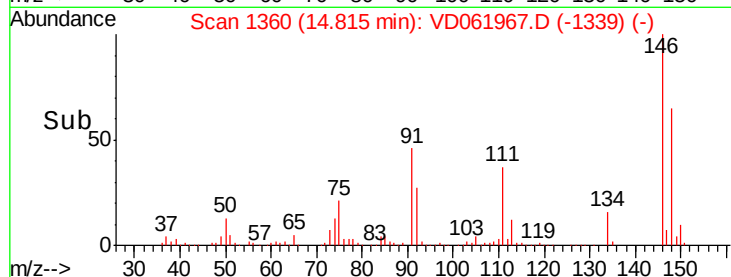
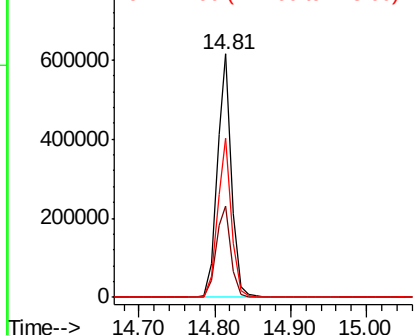
#91
 1,2-Dichlorobenzene
 Concen: 80.815 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 146 Resp: 807908
 Ion Ratio Lower Upper
 146 100
 111 37.2 20.0 59.9
 148 65.2 32.3 96.8

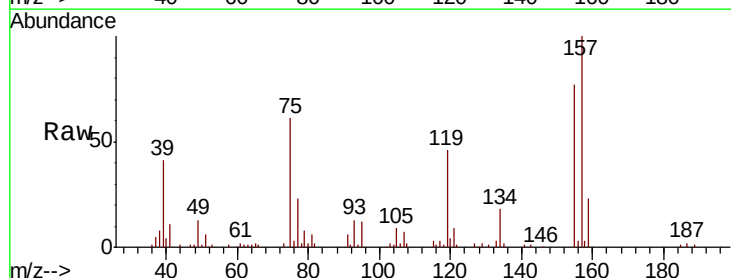


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

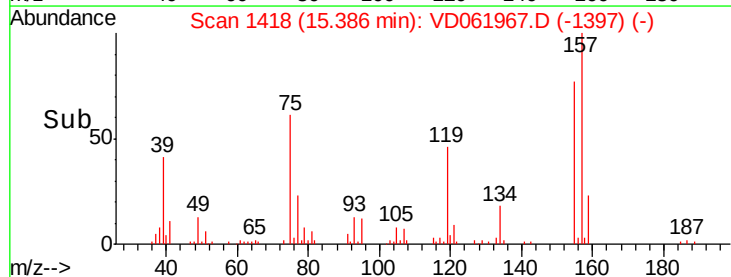
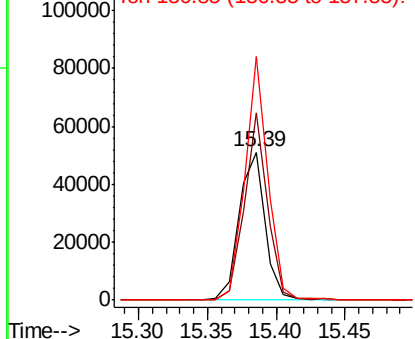


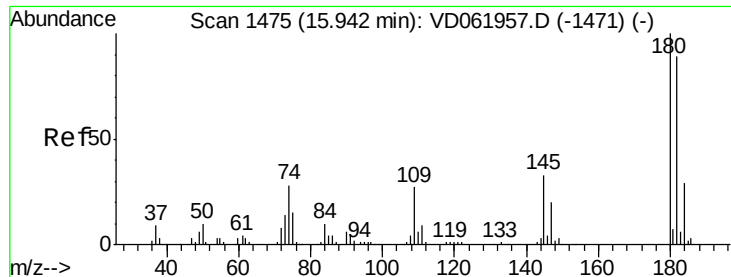
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 106.715 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Tgt Ion: 75 Resp: 67131
 Ion Ratio Lower Upper
 75 100
 155 126.3 55.3 165.8
 157 164.6 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

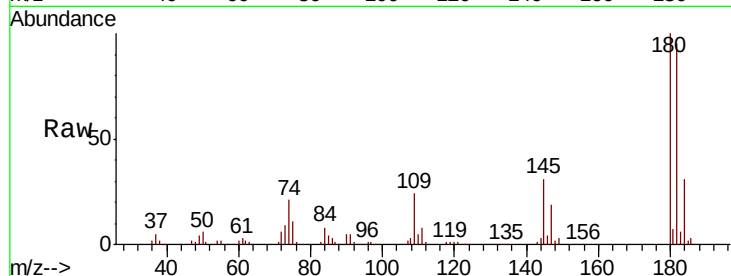




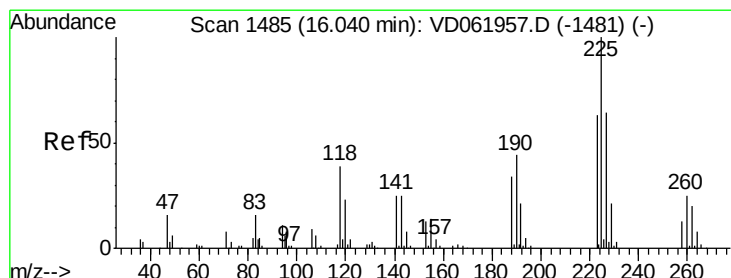
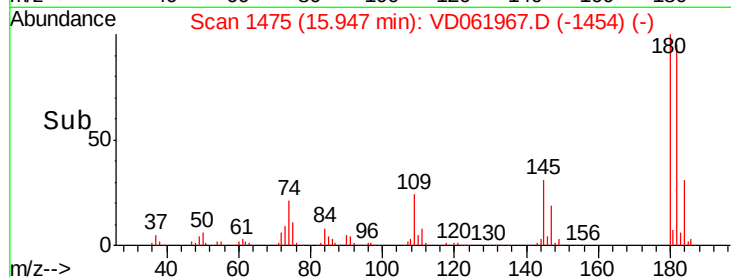
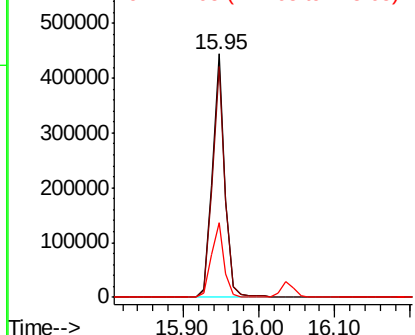
#93
 1,2,4-Trichlorobenzene
 Concen: 103.663 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 519640
 Ion Ratio Lower Upper
 180 100
 182 94.7 49.3 147.8
 145 30.7 16.2 48.6

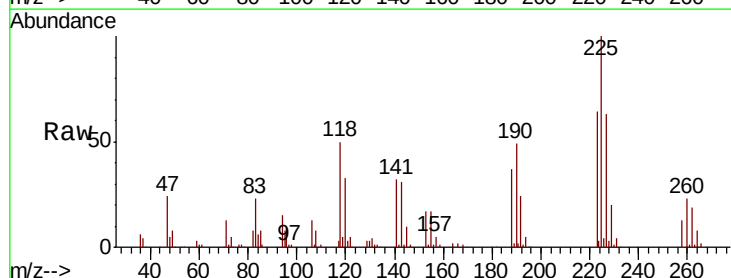


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

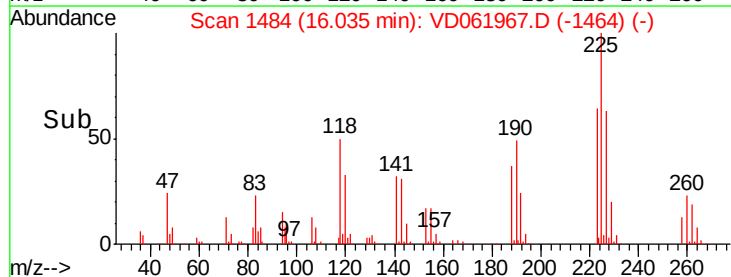
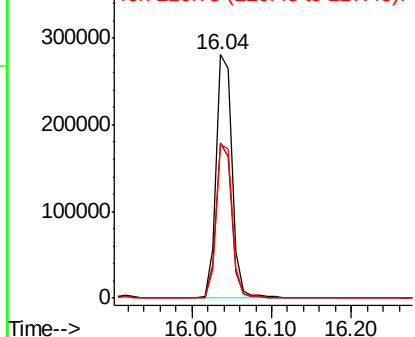


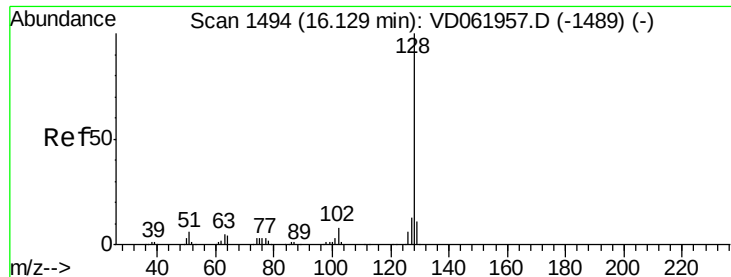
#94
 Hexachlorobutadiene
 Concen: 110.311 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Tgt Ion:225 Resp: 402538
 Ion Ratio Lower Upper
 225 100
 223 63.9 30.6 92.0
 227 63.2 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

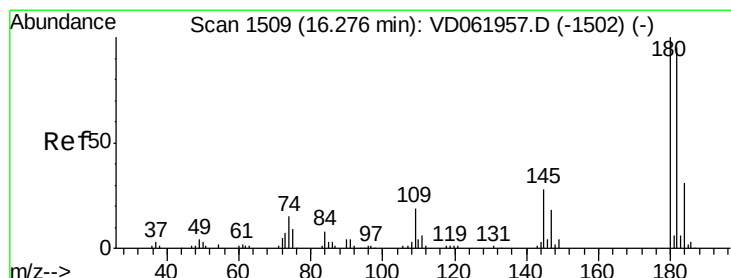
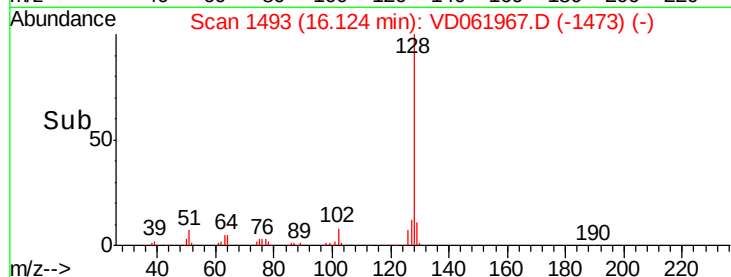
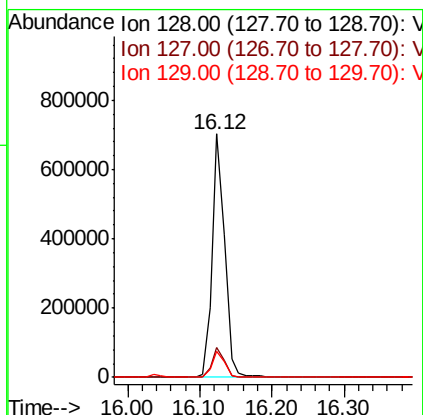
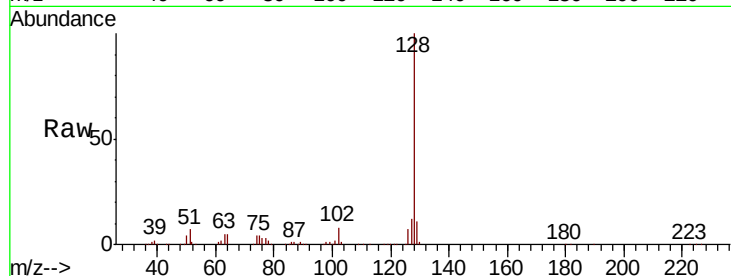




#95
Naphthalene
Concen: 104.555 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 841542
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.8
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 109.210 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Tgt Ion:180 Resp: 304529
Ion Ratio Lower Upper
180 100
182 96.0 47.0 141.0
145 33.8 17.0 51.0

