

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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	468752	84.18	ug/l	0.00
Spiked Amount			Recovery	=	168.36%	
35) Dibromofluoromethane	6.93	113	657595	83.63	ug/l	0.00
Spiked Amount			Recovery	=	167.26%	
50) Toluene-d8	10.41	98	1614431	91.96	ug/l	0.00
Spiked Amount			Recovery	=	183.92%	
62) 4-Bromofluorobenzene	13.55	95	613926	79.85	ug/l	0.00
Spiked Amount			Recovery	=	159.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	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

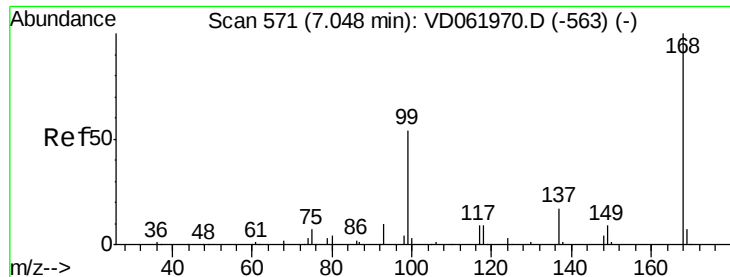
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	519640	103.663	ug/l	96
94) Hexachlorobutadiene	16.04	225	402538	110.311	ug/l	98
95) Naphthalene	16.12	128	841542	104.555	ug/l	100
96) 1,2,3-Trichlorobenzene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

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



#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 :

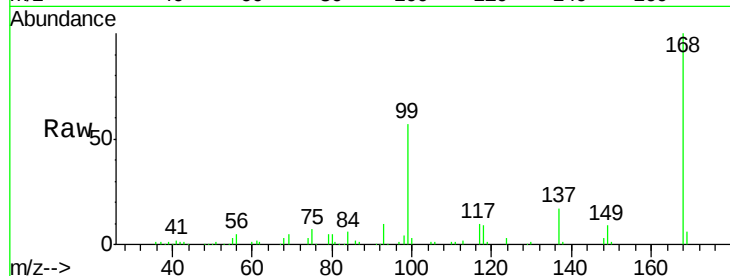
VSTDIC100

Tot Ion:168 Resp: 592633

Ion Ratio Lower Upper

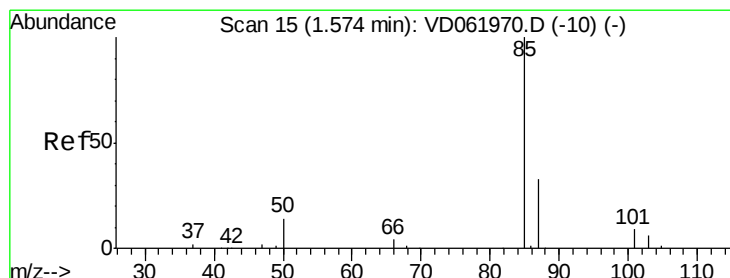
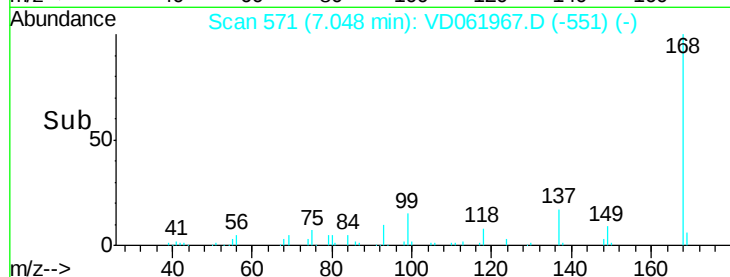
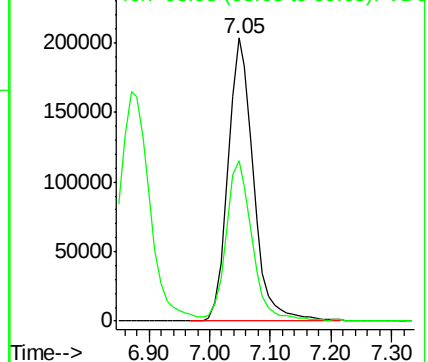
168 100

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



#2

Dichlorodifluoromethane

Concen: 94.950 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061967.D

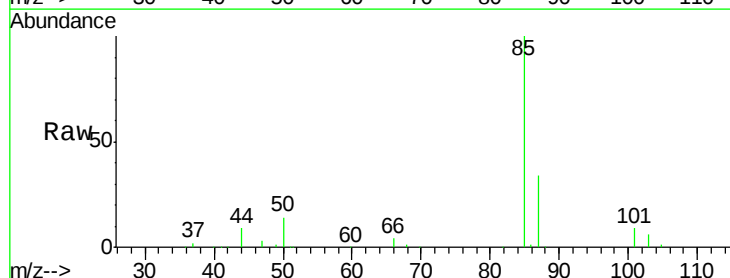
Acq: 23 Apr 2019 12:51

Tgt Ion: 85 Resp: 542873

Ion Ratio Lower Upper

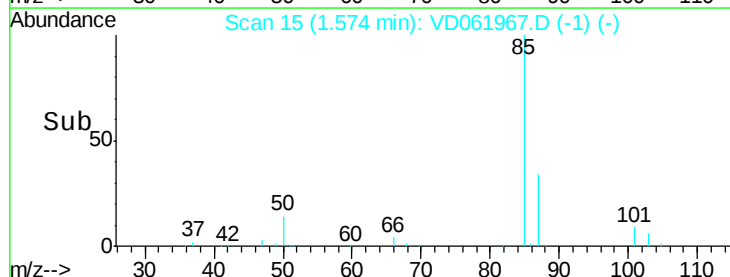
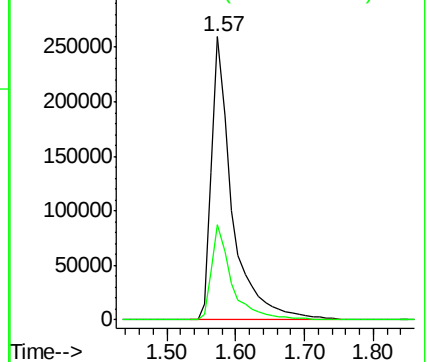
85 100

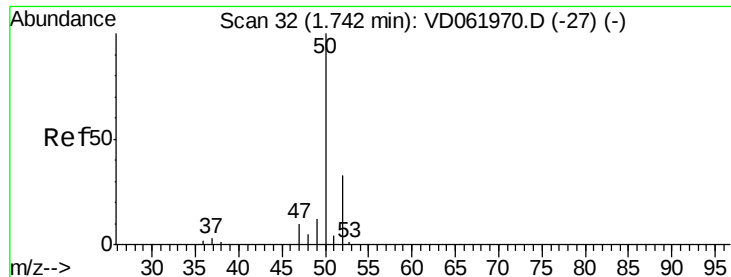
87 33.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#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 :

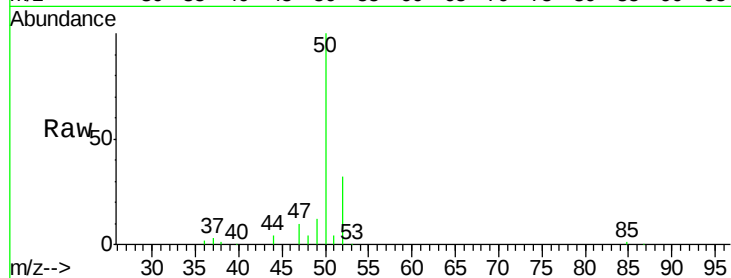
VSTDIC100

Tot 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

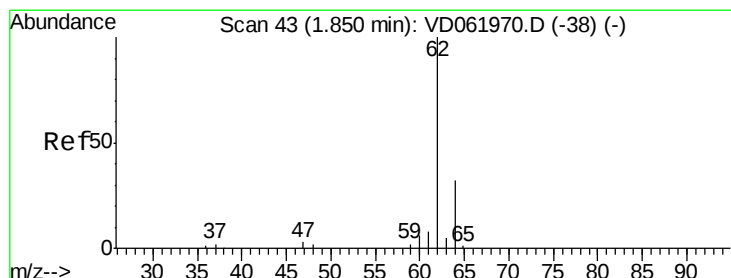
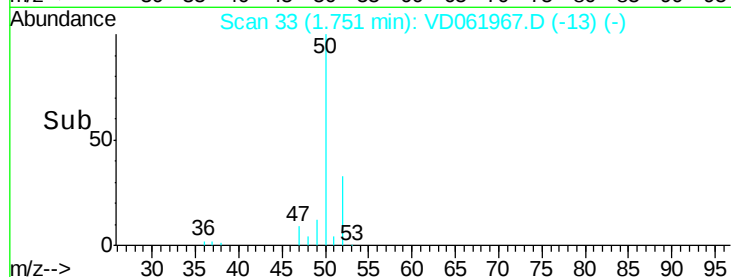
1.75

100000

50000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 104.674 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061967.D

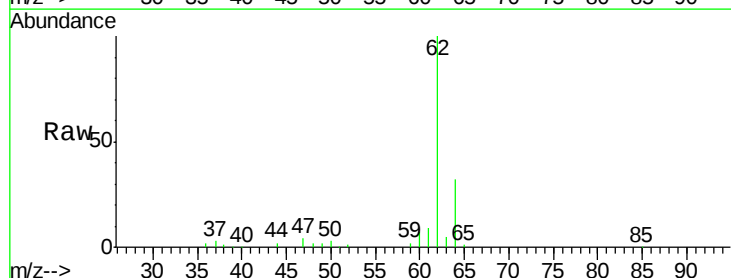
Acq: 23 Apr 2019 12:51

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

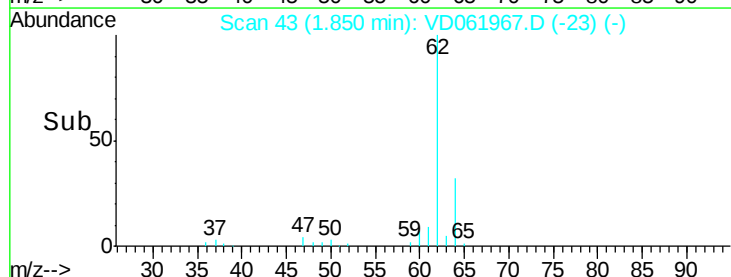
150000

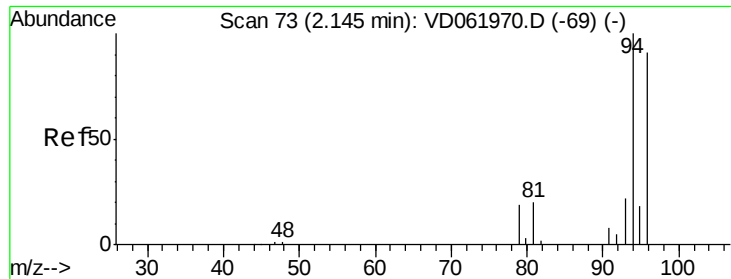
100000

50000

0

Time--> 1.70 1.80 1.90 2.00





#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 :

MSVOA_D

ClientSampleId :

VSTDIC100

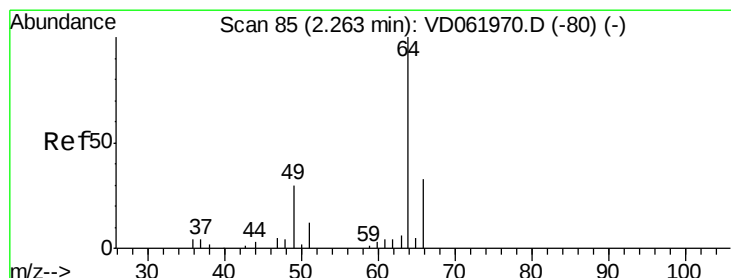
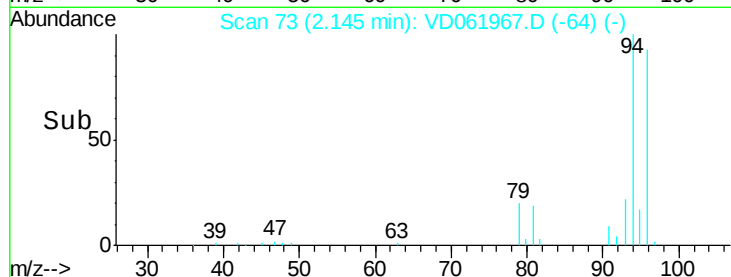
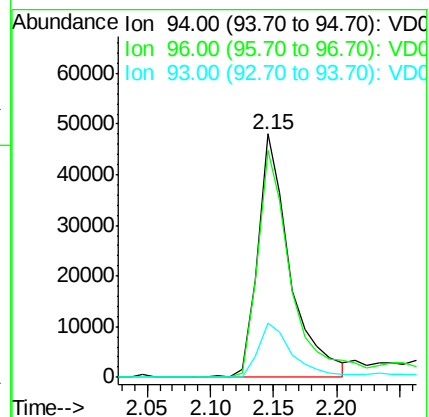
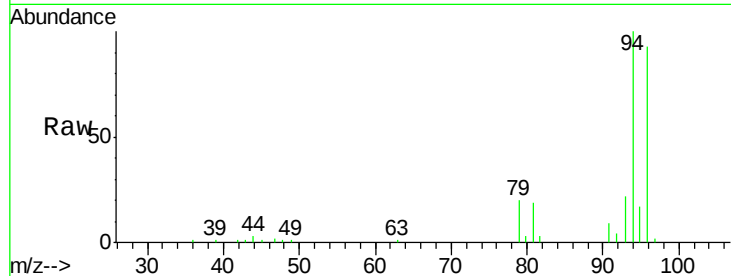
Tot Ion: 94 Resp: 85528

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

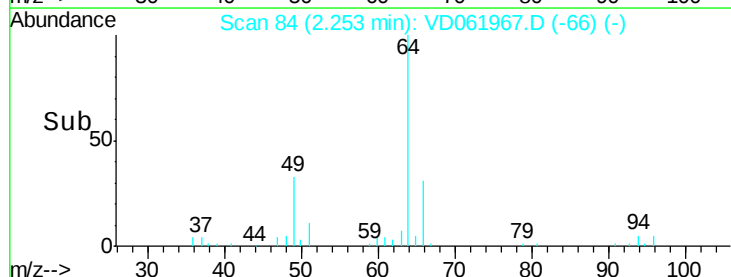
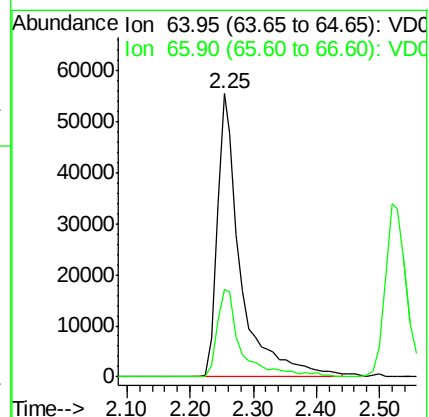
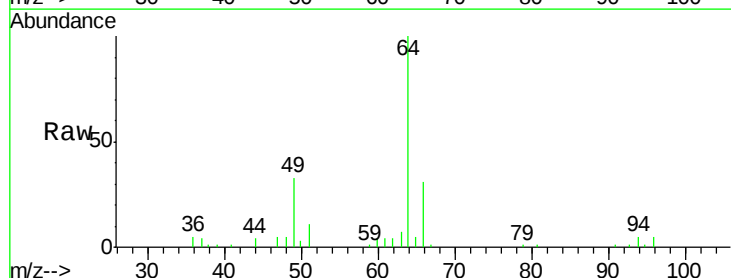
Acq: 23 Apr 2019 12:51

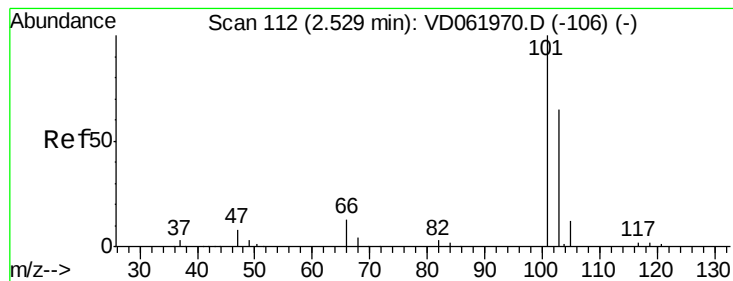
Tgt Ion: 64 Resp: 143846

Ion Ratio Lower Upper

64 100

66 31.1 25.6 38.4



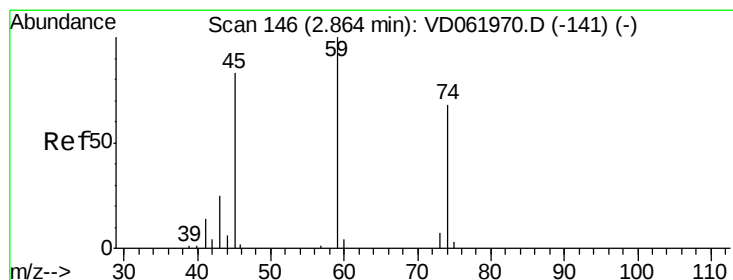
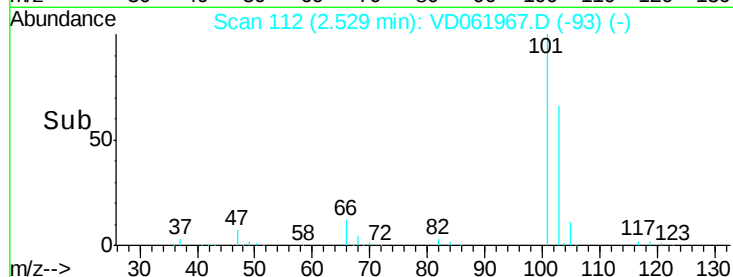
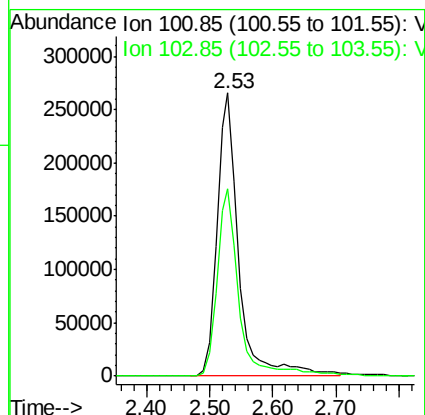
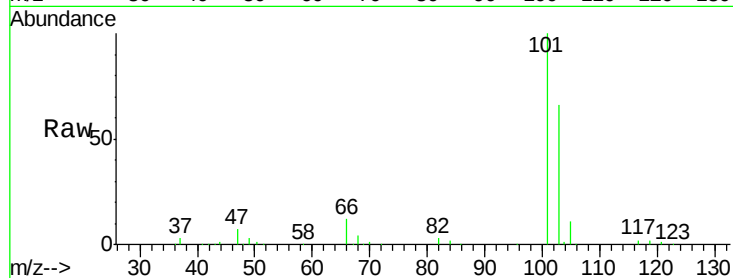


#7

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 :
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 ClientSampleId :
 VSTDIC100

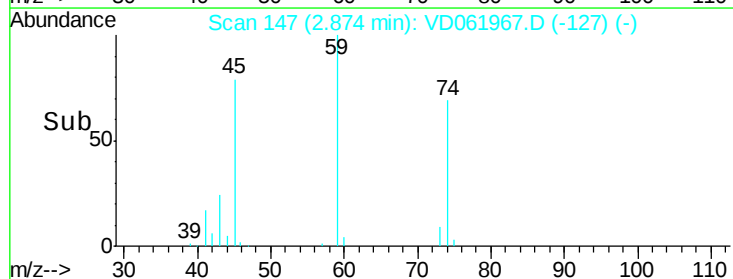
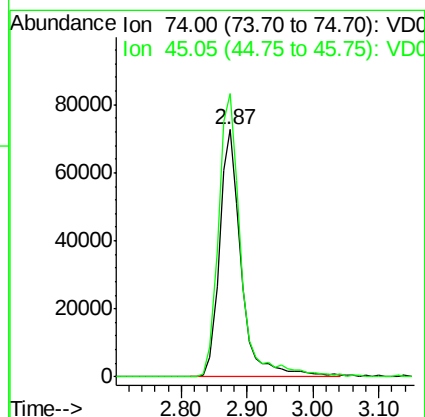
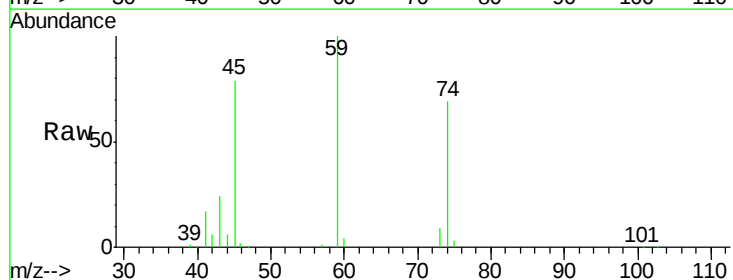
Tot Ion:101 Resp: 641862
 Ion Ratio Lower Upper
 101 100
 103 66.0 53.6 80.4



#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





#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

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

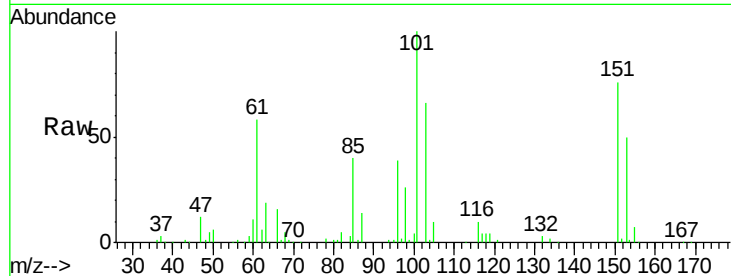
Tot Ion:101 Resp: 538853

Ion Ratio Lower Upper

101 100

85 40.3 32.4 48.6

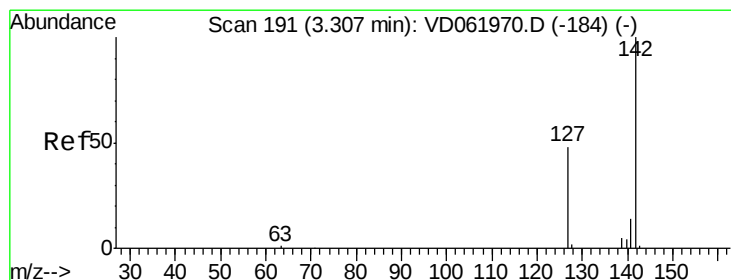
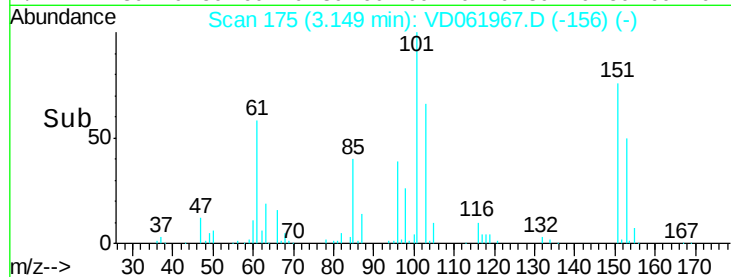
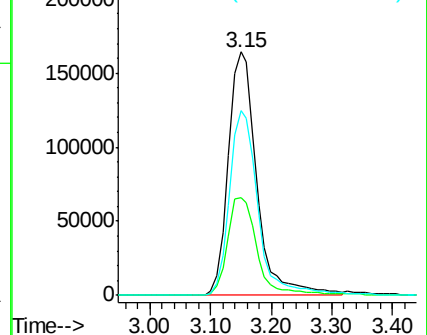
151 75.9 59.4 89.0



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

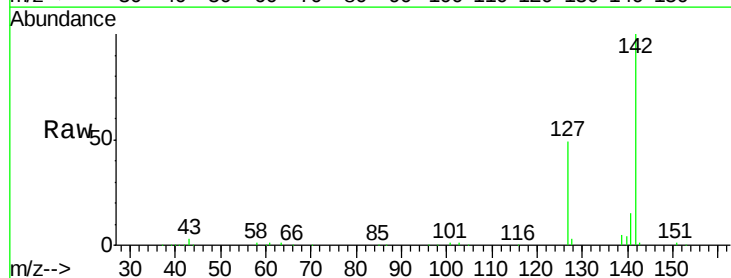
Tgt Ion:142 Resp: 932583

Ion Ratio Lower Upper

142 100

127 48.9 38.8 58.2

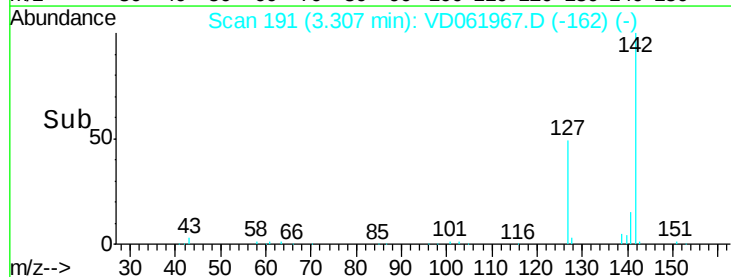
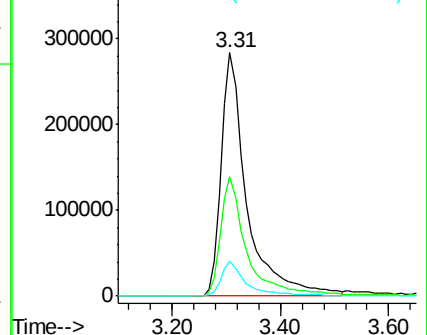
141 14.6 11.4 17.0

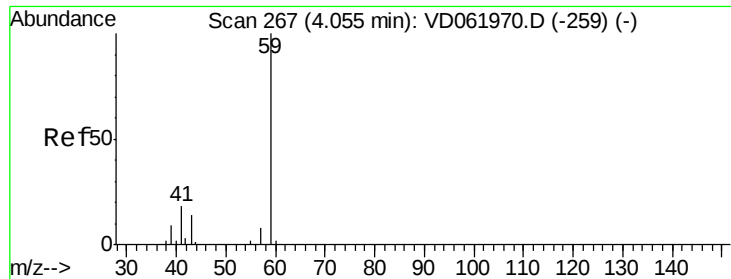


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



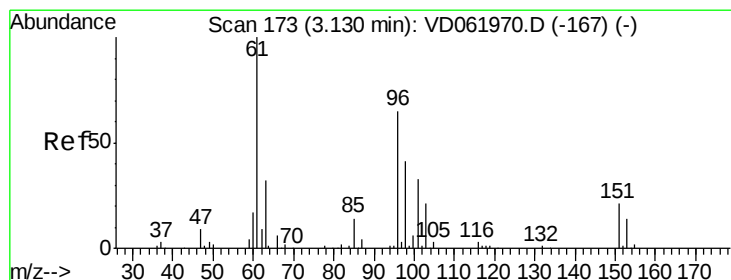
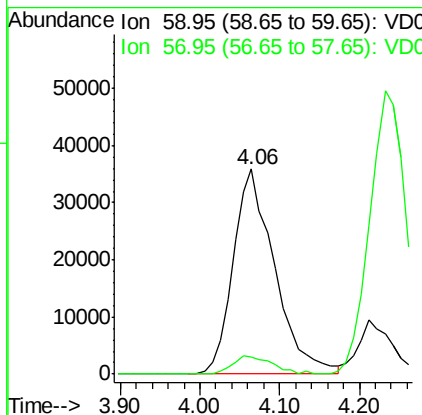
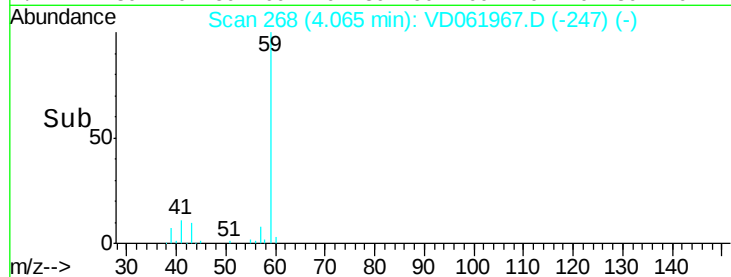
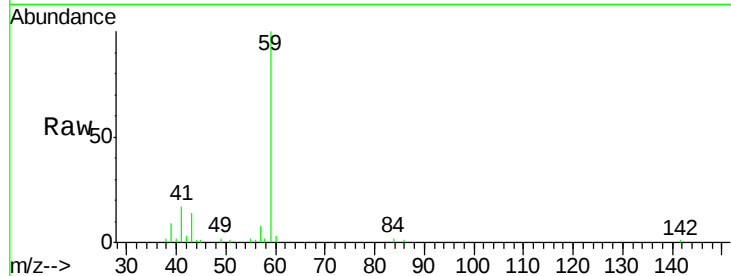


#11

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

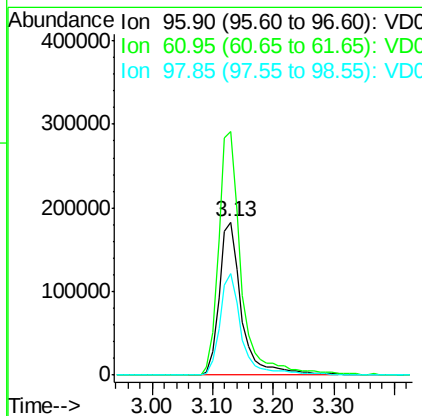
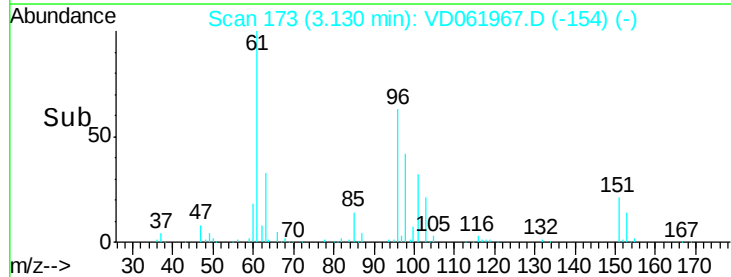
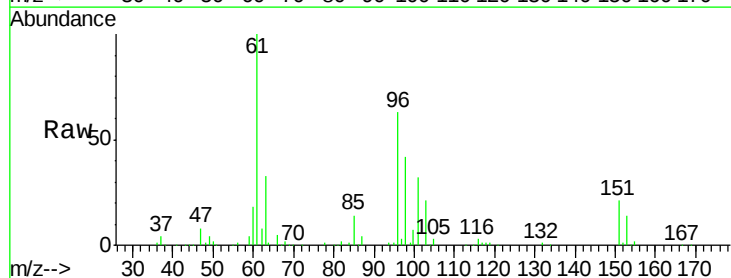
Tot Ion: 59 Resp: 129559
Ion Ratio Lower Upper
59 100
57 8.2 6.9 10.3

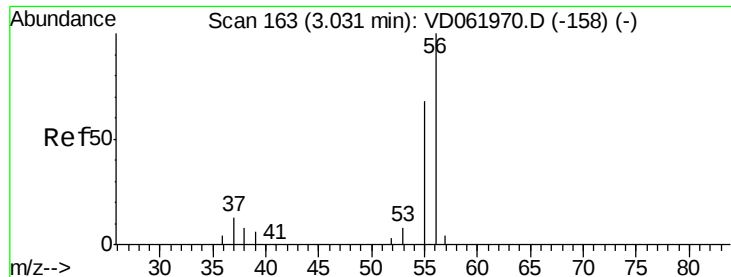


#12

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

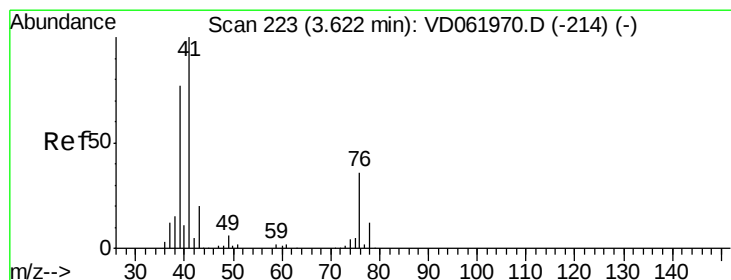
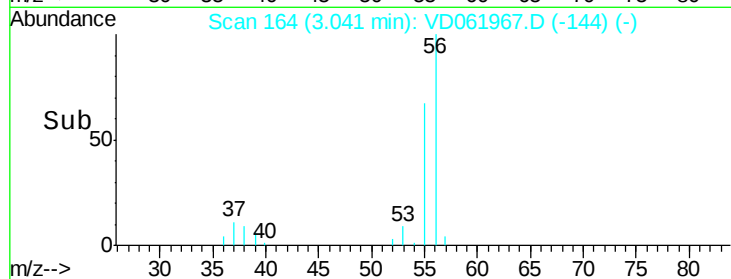
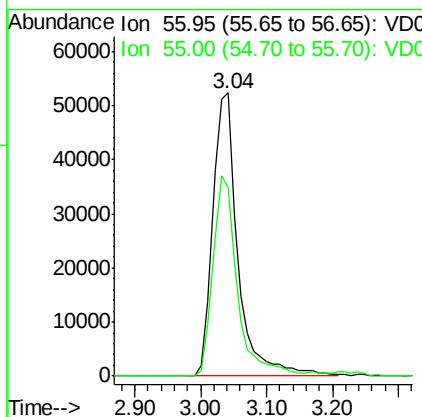
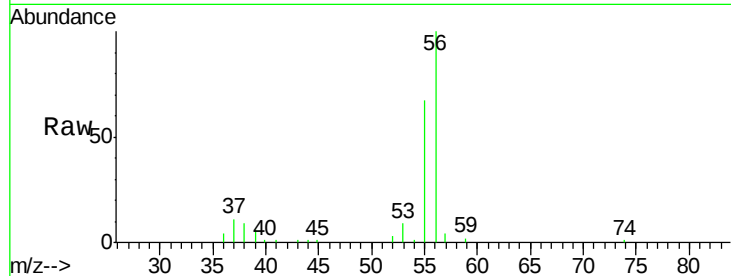




#13
 Acrolein
 Concen: 635.892 ug/l
 RT: 3.04 min Scan# 164
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

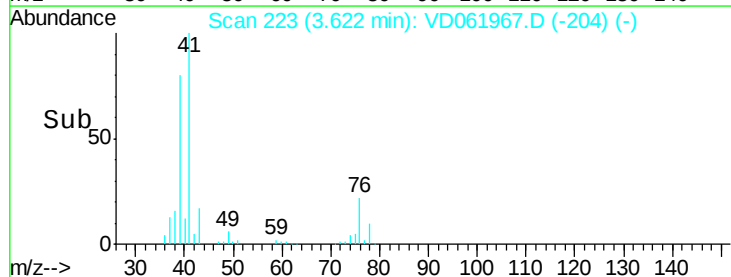
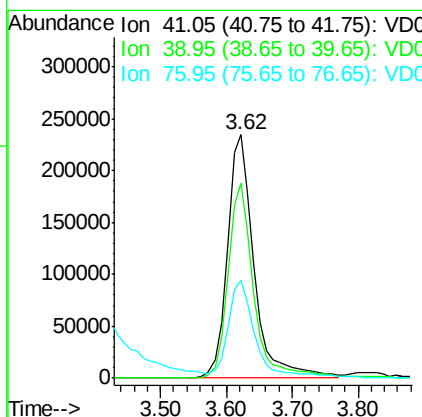
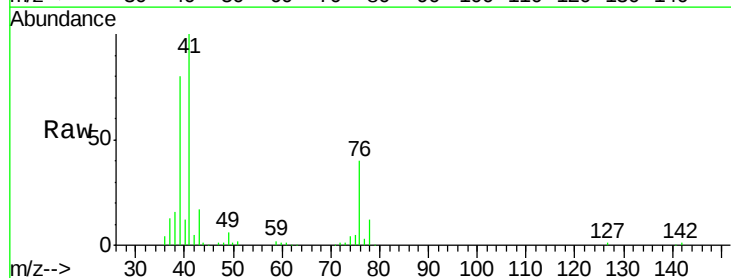
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

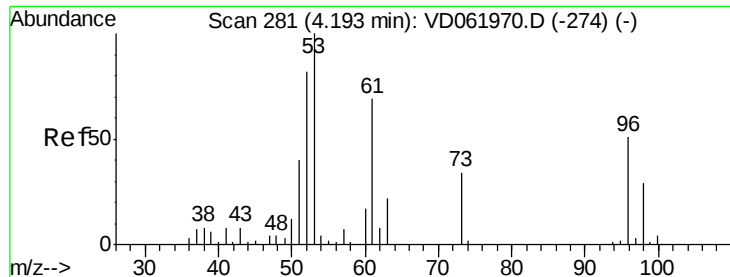
Tot Ion: 56 Resp: 137689
 Ion Ratio Lower Upper
 56 100
 55 66.7 51.4 77.2



#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

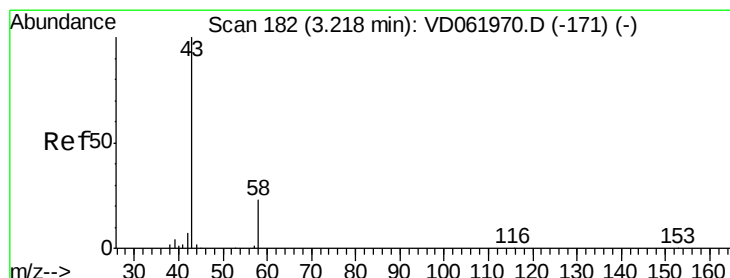
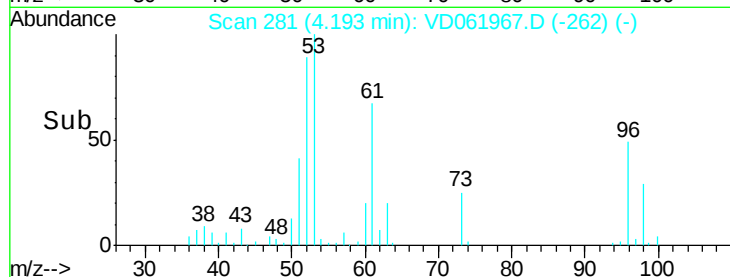
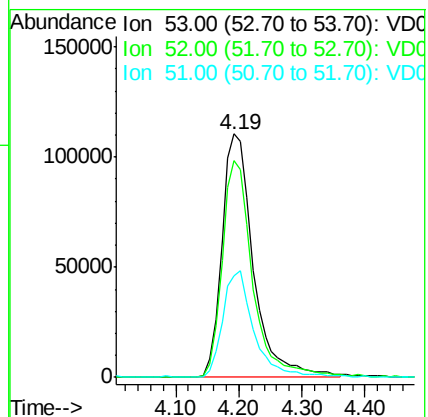
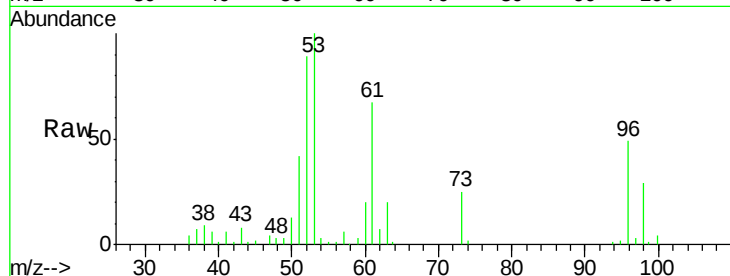
Tot Ion: 53 Resp: 383415

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

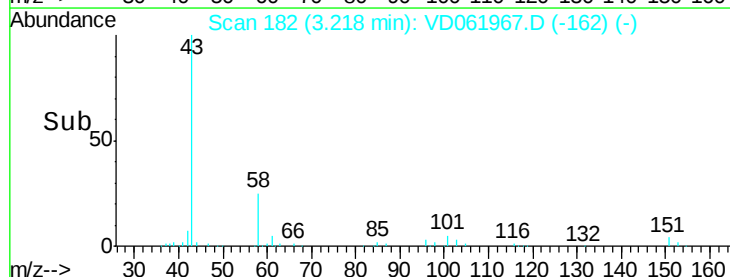
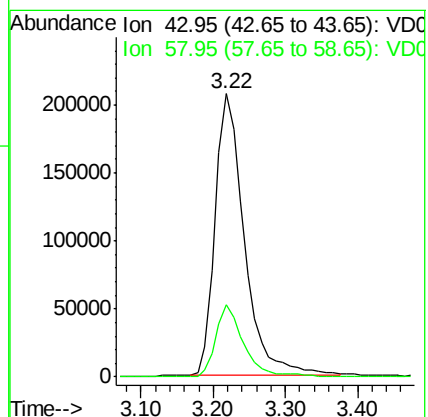
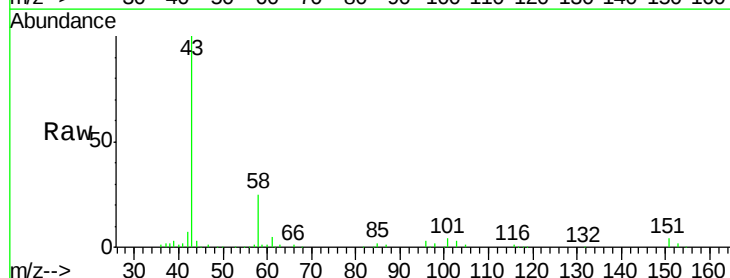
Acq: 23 Apr 2019 12:51

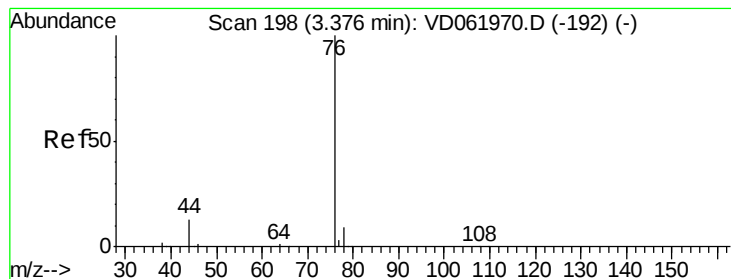
Tgt Ion: 43 Resp: 579104

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 :

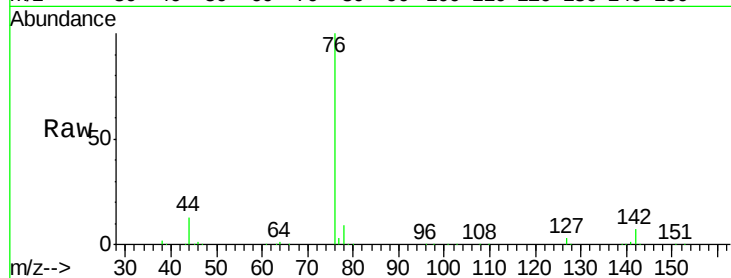
VSTDIC100

Tot Ion: 76 Resp: 1451428

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

600000

500000

400000

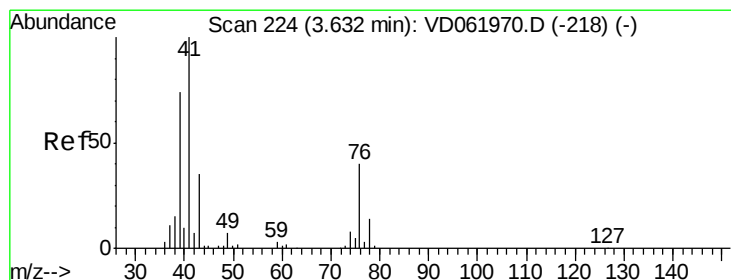
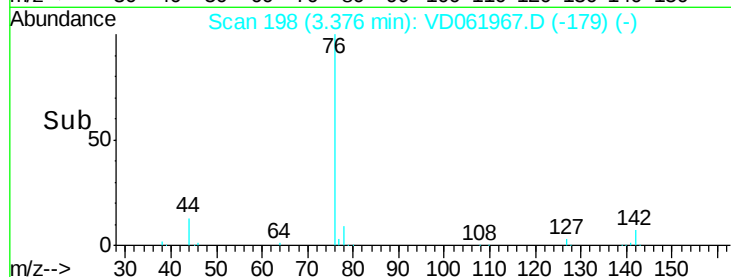
300000

200000

100000

0

Time--> 3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 75.703 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD061967.D

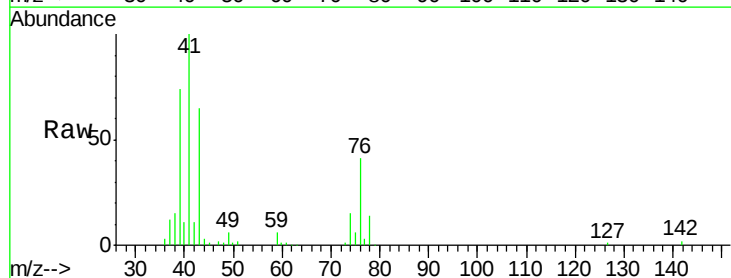
Acq: 23 Apr 2019 12:51

Tgt Ion: 43 Resp: 197297

Ion Ratio Lower Upper

43 100

74 22.6 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

80000

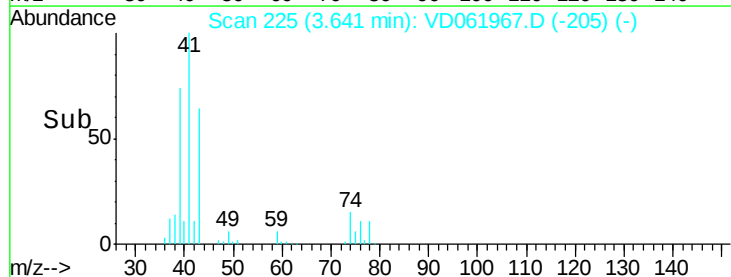
60000

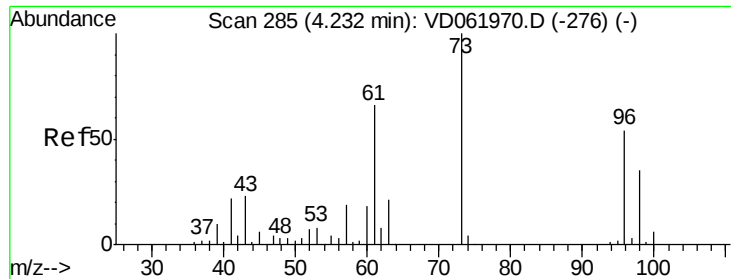
40000

20000

0

Time--> 3.50 3.60 3.70 3.80

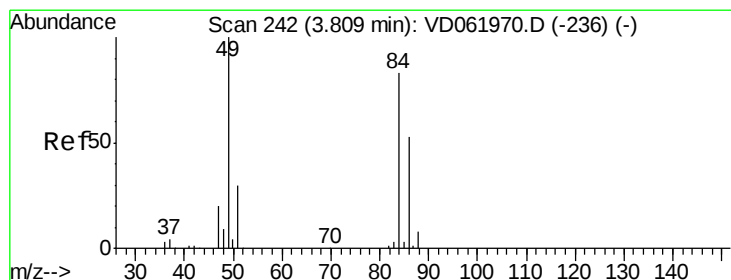
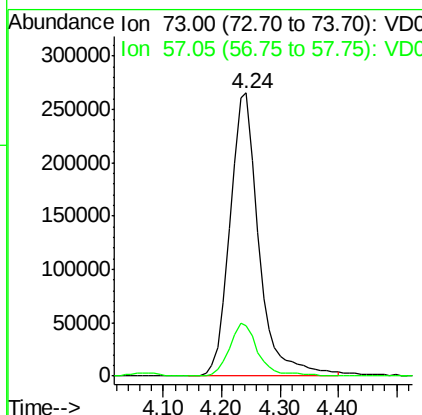
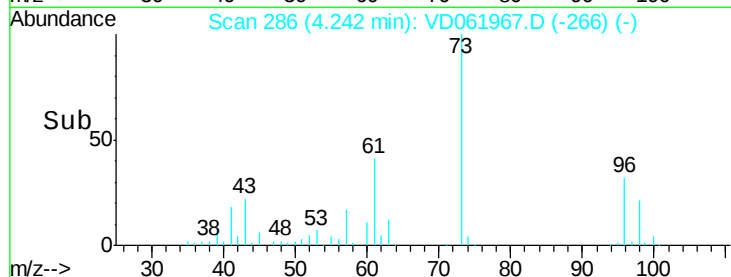
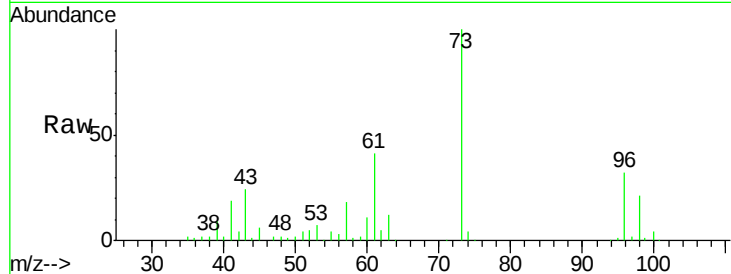




#19
Methvl tert-butvl Ether
Concen: 84.275 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

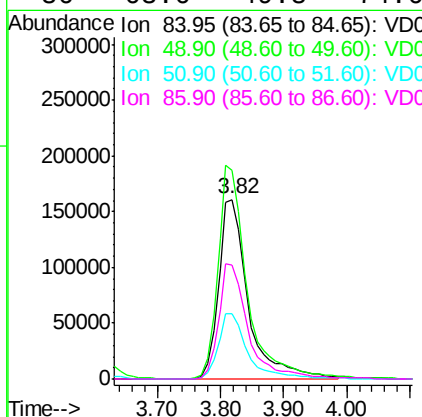
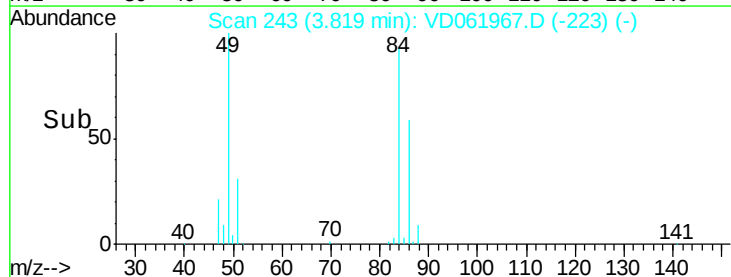
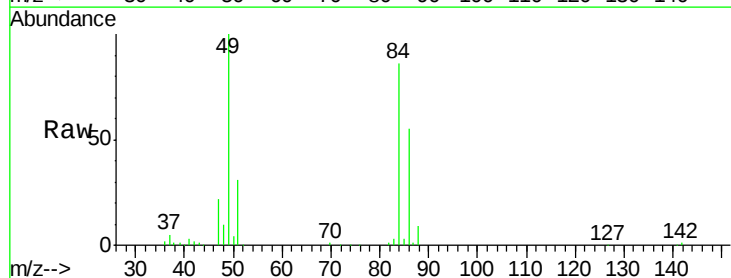
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

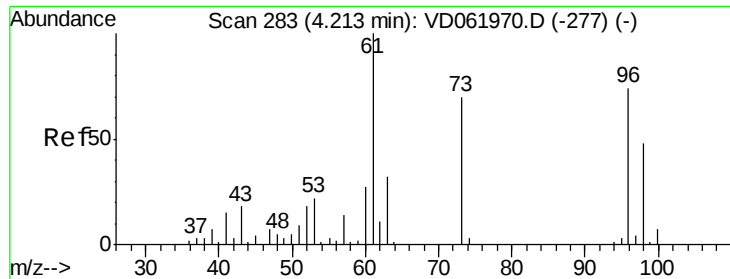
Tot Ion: 73 Resp: 916993
Ion Ratio Lower Upper
73 100
57 17.7 16.3 24.5



#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





#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

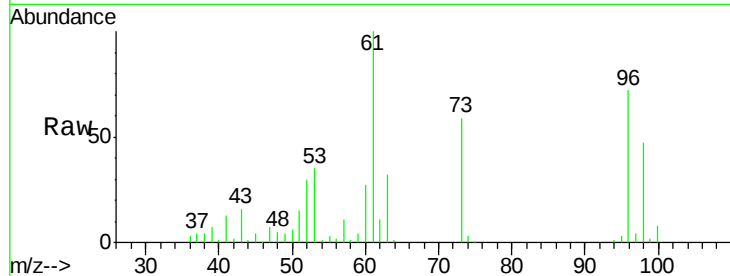
Tot Ion: 96 Resp: 523641

Ion Ratio Lower Upper

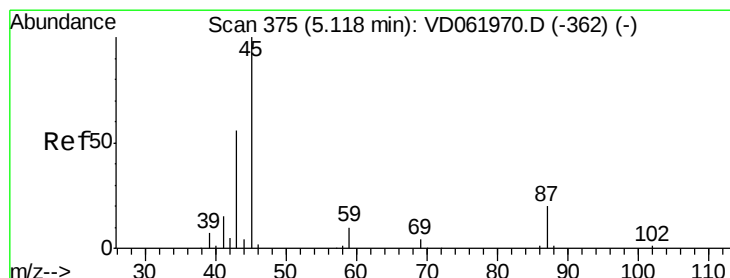
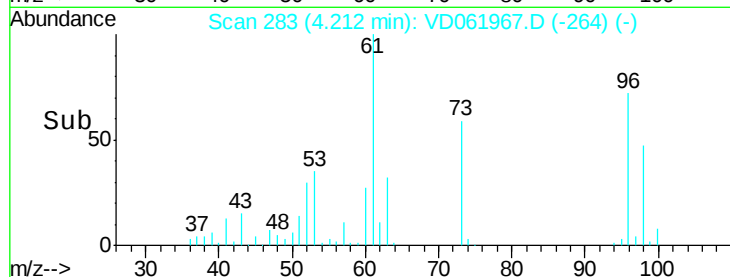
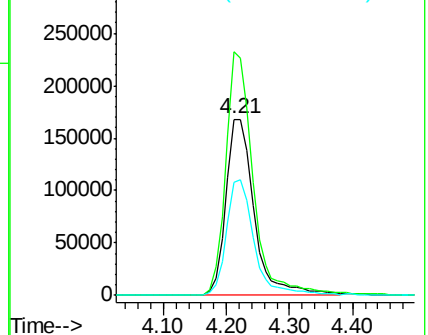
96 100

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

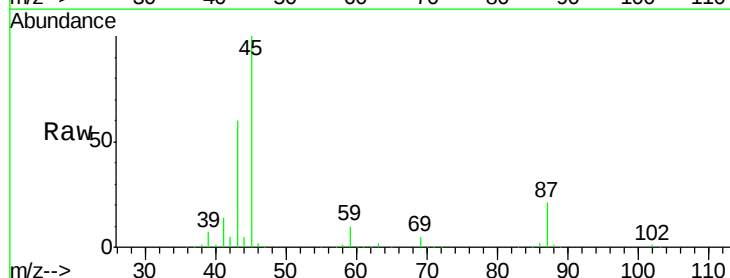
Ion Ratio Lower Upper

45 100

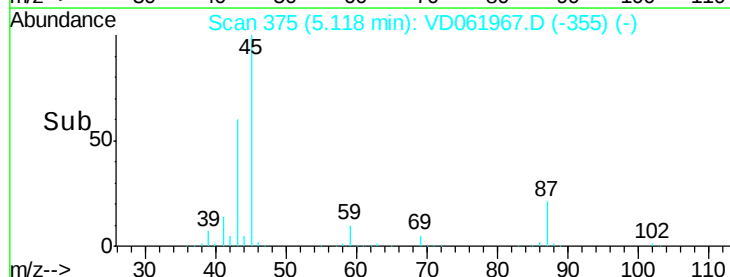
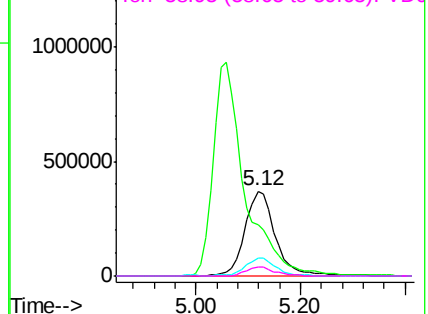
43 60.5 46.2 69.2

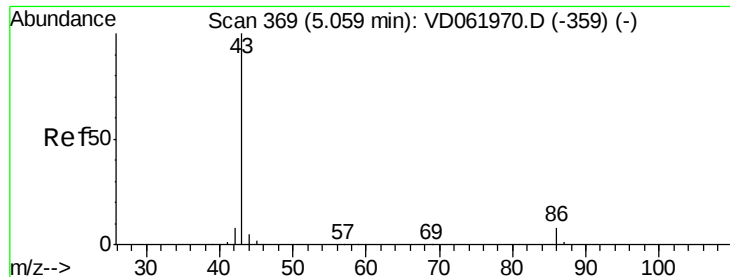
87 21.0 15.9 23.9

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 :

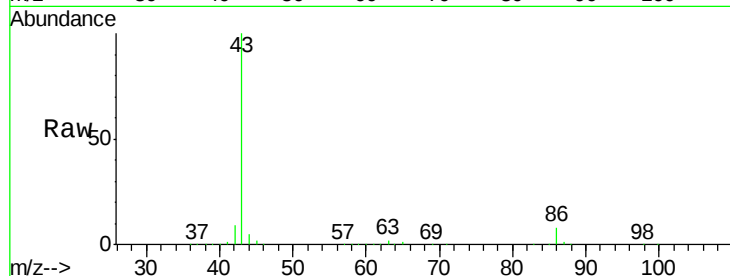
VSTDIC100

Tot 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): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

1000000

800000

600000

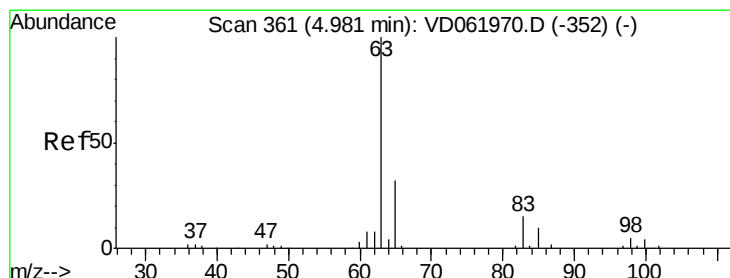
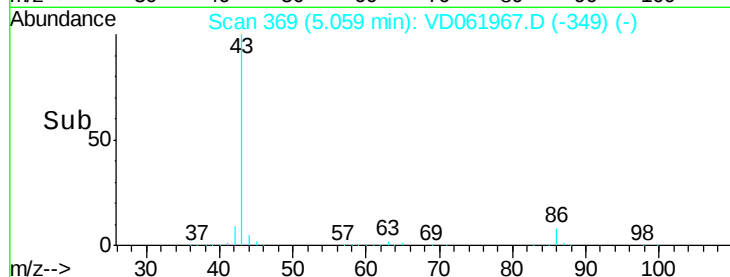
400000

200000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#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

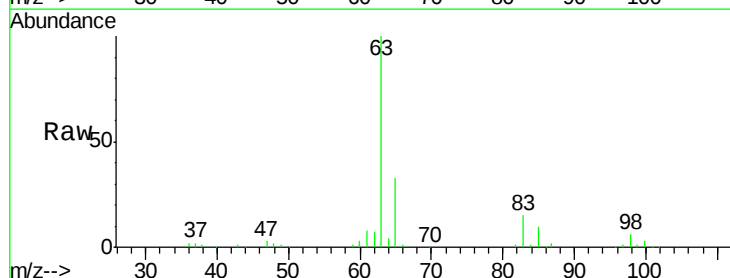
Tgt Ion: 63 Resp: 842503

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): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.99

300000

250000

200000

150000

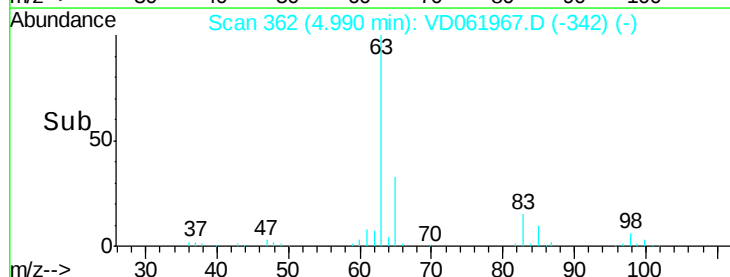
100000

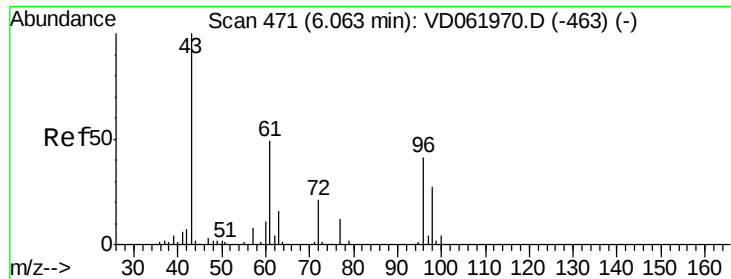
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20

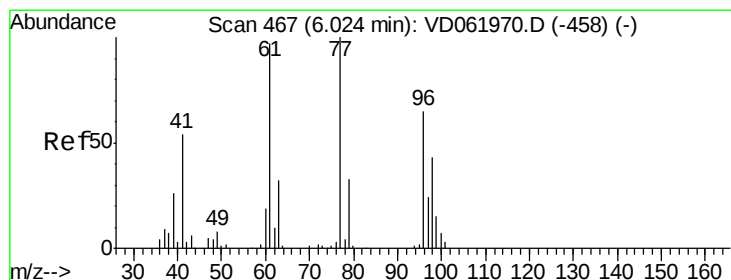
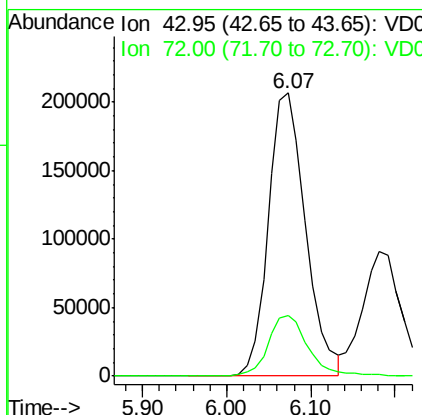
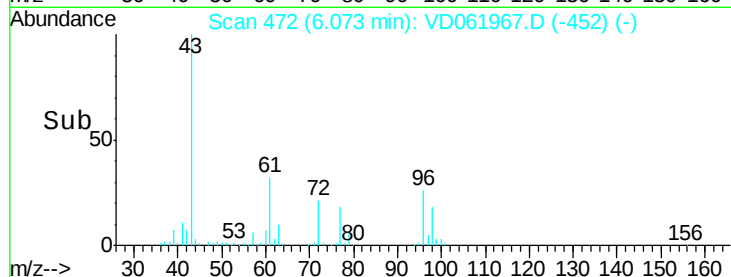
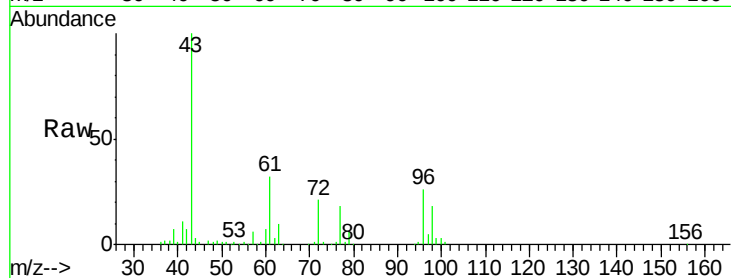




#25
2-Butanone
Concen: 443.970 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

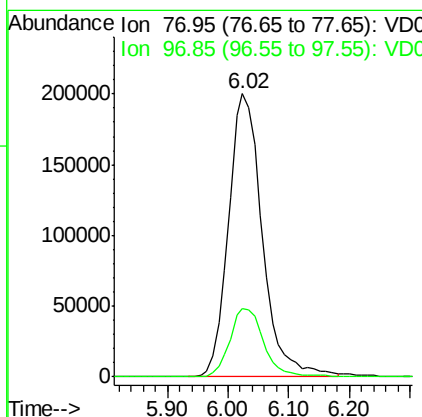
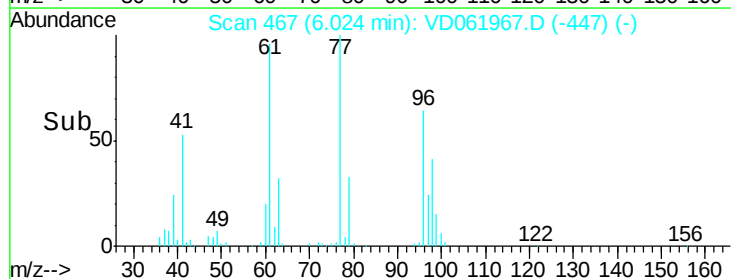
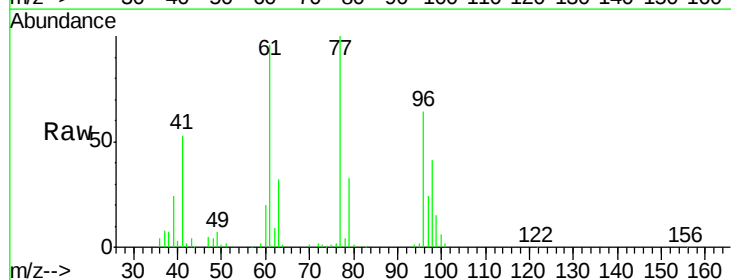
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

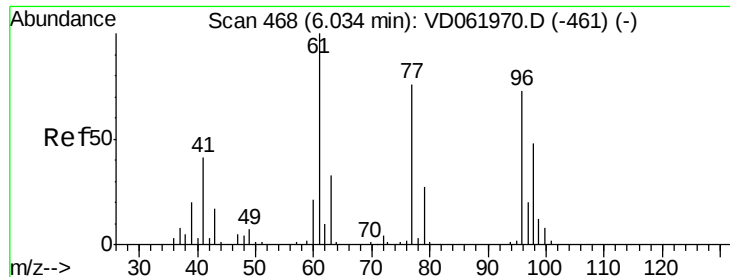
Tot Ion: 43 Resp: 638342
Ion Ratio Lower Upper
43 100
72 21.4 16.2 24.4



#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



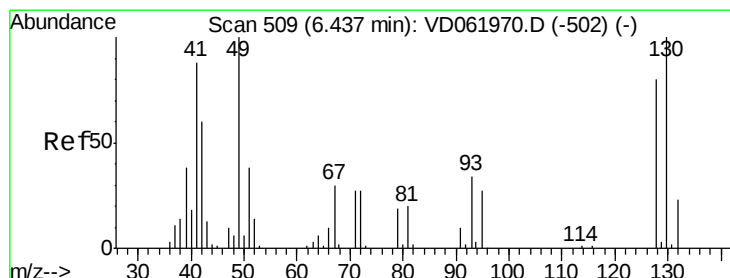
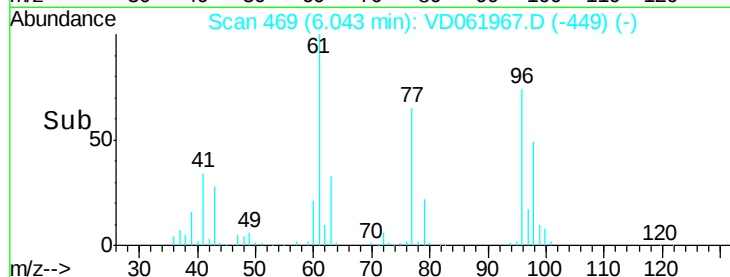
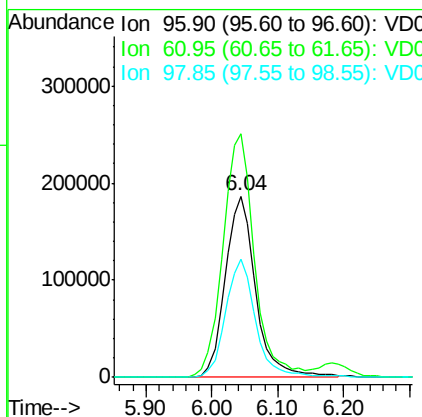
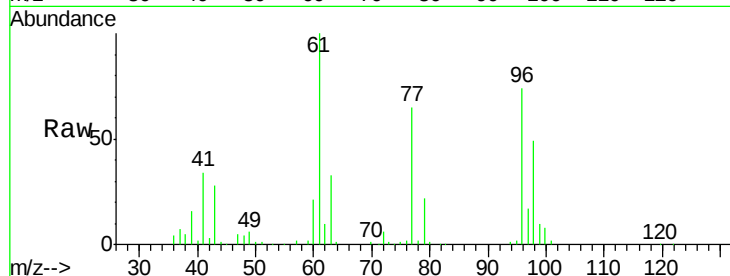


#27

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

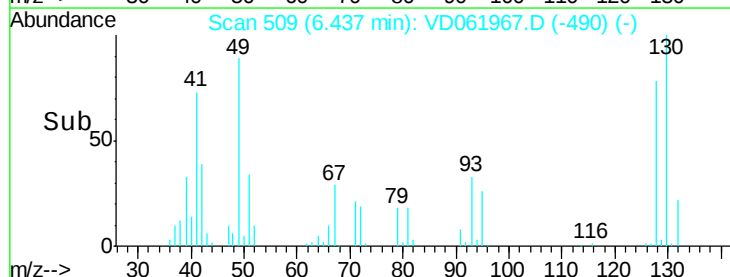
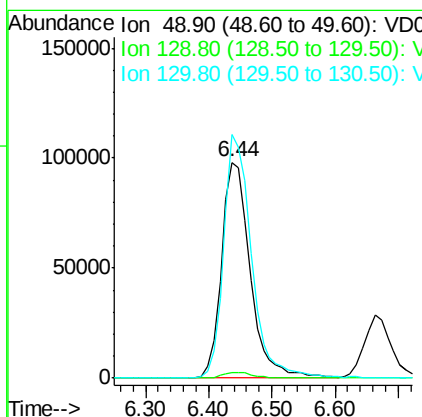
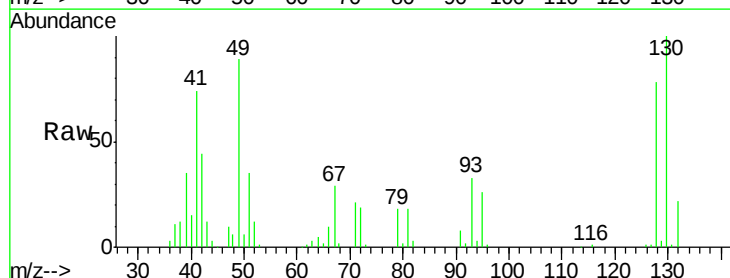
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	0.0	279.8
98	65.2	0.0	136.0

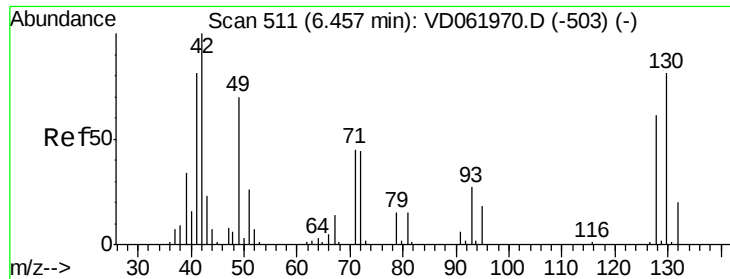


#28

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	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

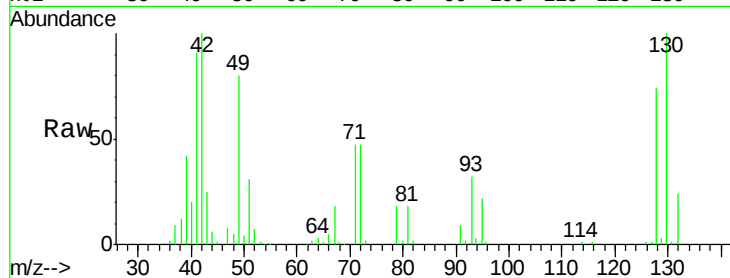
Tot Ion: 42 Resp: 287895

Ion Ratio Lower Upper

42 100

72 48.5 37.8 56.6

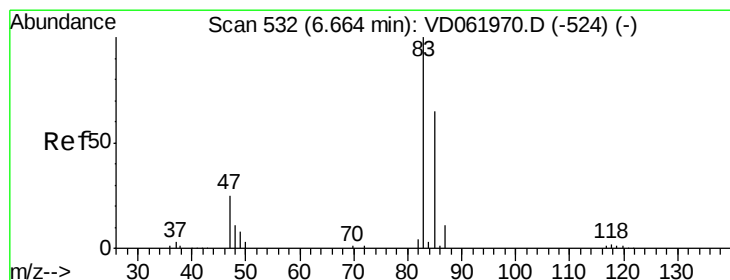
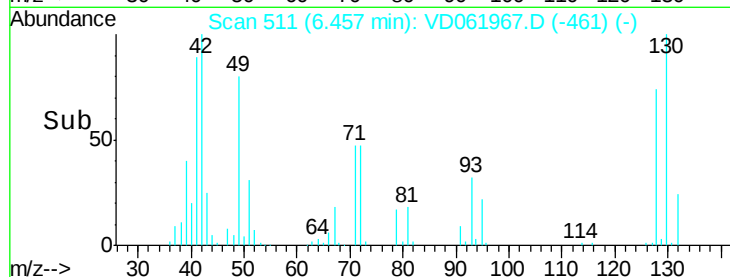
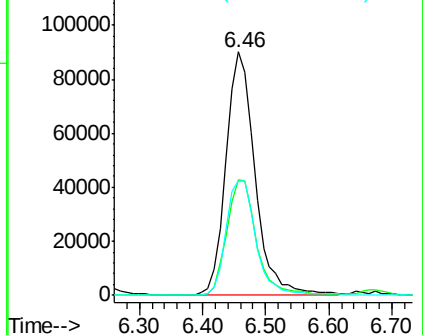
71 48.6 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 86.321 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD061967.D

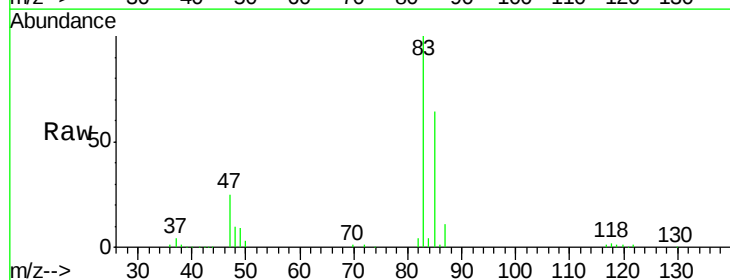
Acq: 23 Apr 2019 12:51

Tgt Ion: 83 Resp: 1014712

Ion Ratio Lower Upper

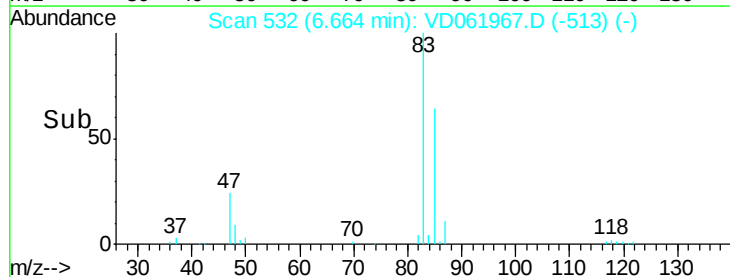
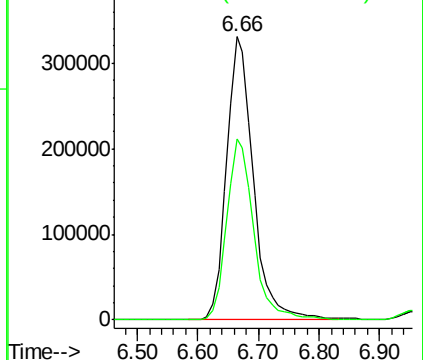
83 100

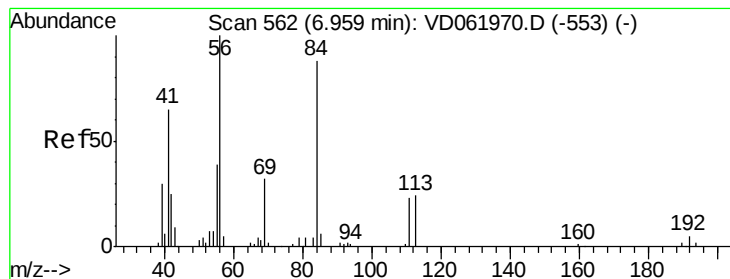
85 63.8 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#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

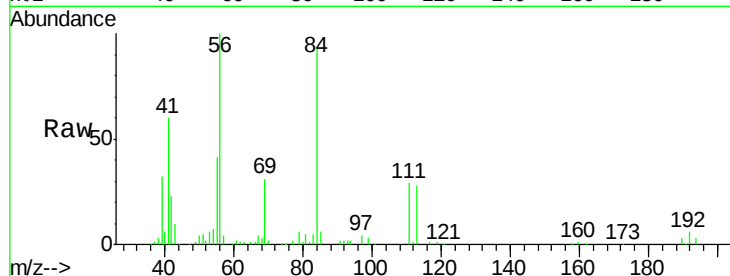
Tot Ion: 56 Resp: 636386

Ion Ratio Lower Upper

56 100

69 30.7 25.8 38.6

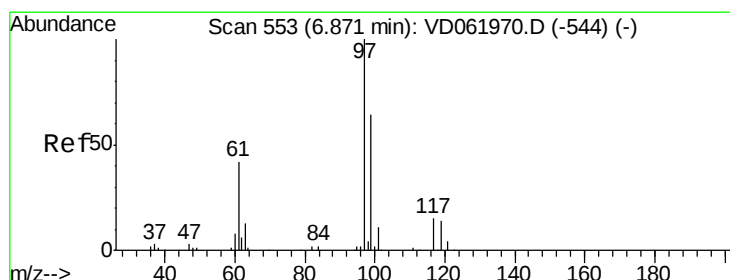
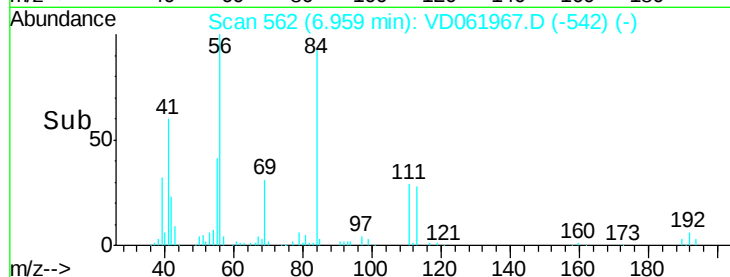
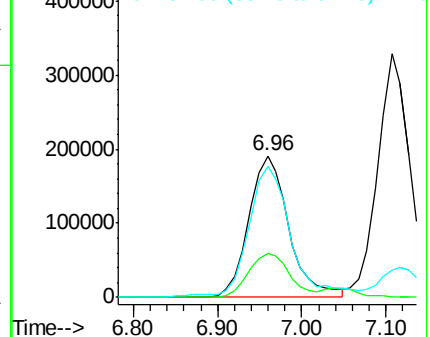
84 92.6 72.2 108.4



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

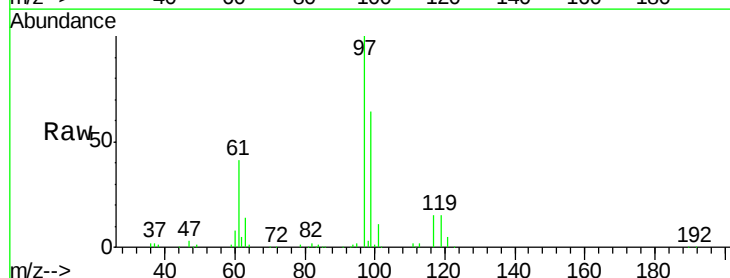
Tgt Ion: 97 Resp: 863782

Ion Ratio Lower Upper

97 100

99 63.8 52.2 78.2

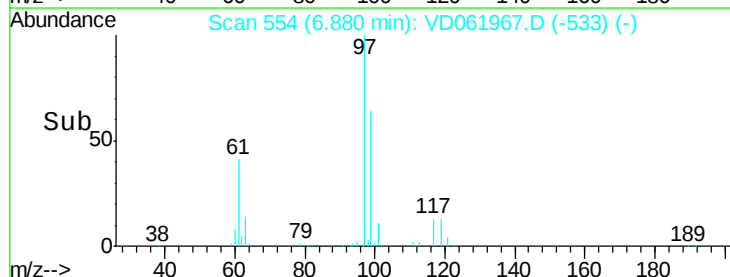
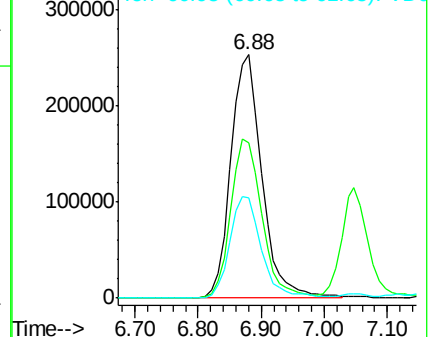
61 41.4 32.4 48.6



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 :

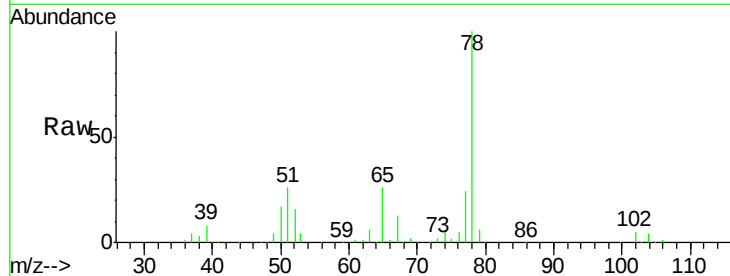
VSTDIC100

Tot Ion: 65 Resp: 468752

Ion Ratio Lower Upper

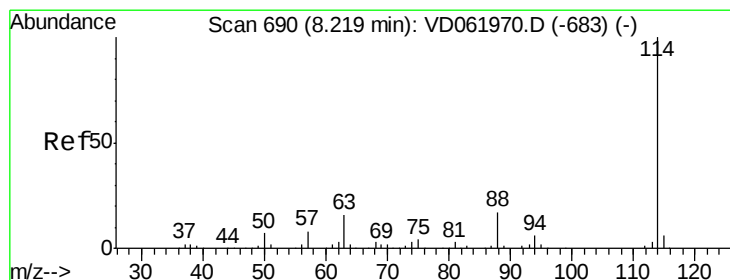
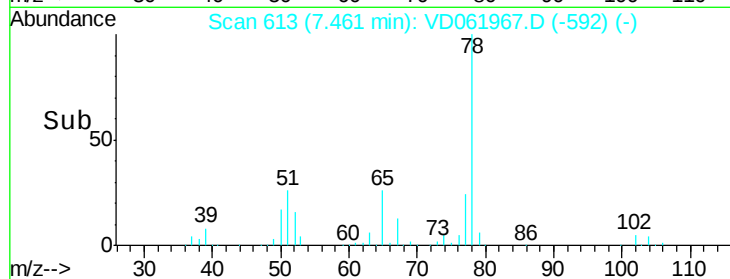
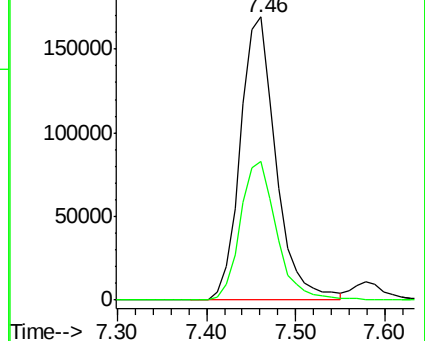
65 100

67 48.9 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

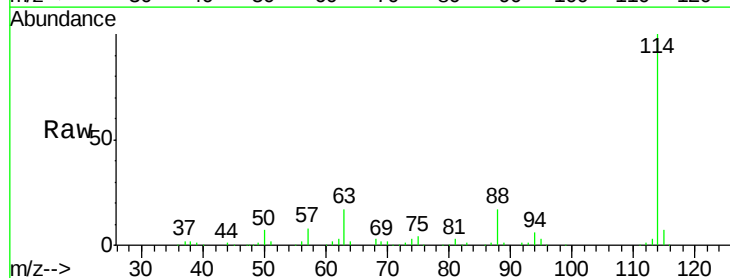
Tgt Ion: 114 Resp: 1022943

Ion Ratio Lower Upper

114 100

63 17.3 0.0 32.4

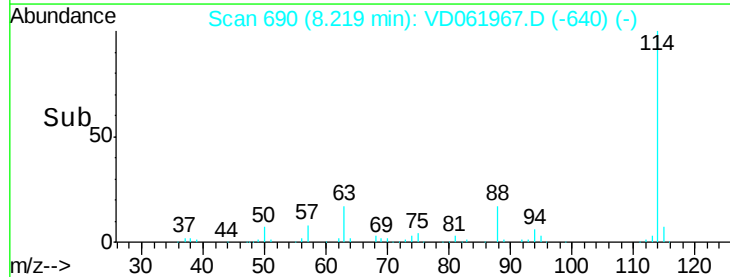
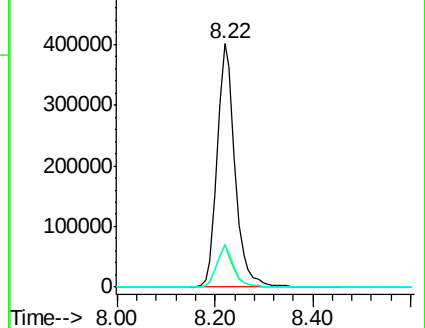
88 17.1 0.0 33.6

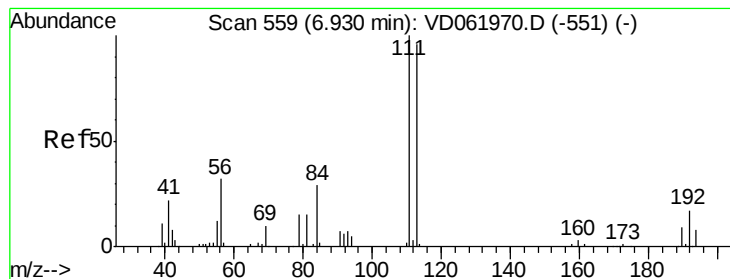


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061967.D

Acq: 23 Apr 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

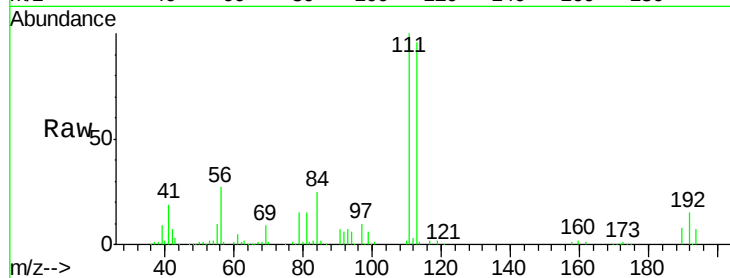
Tot Ion:113 Resp: 657595

Ion Ratio Lower Upper

113 100

111 104.1 78.5 117.7

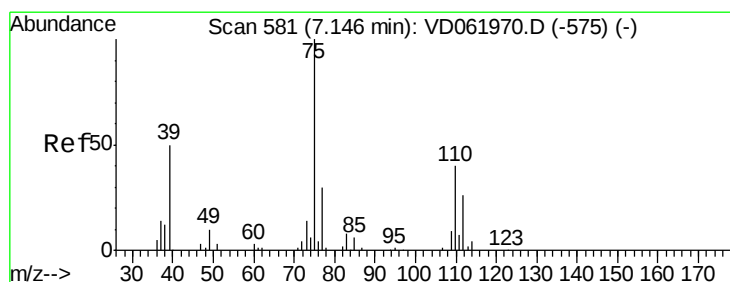
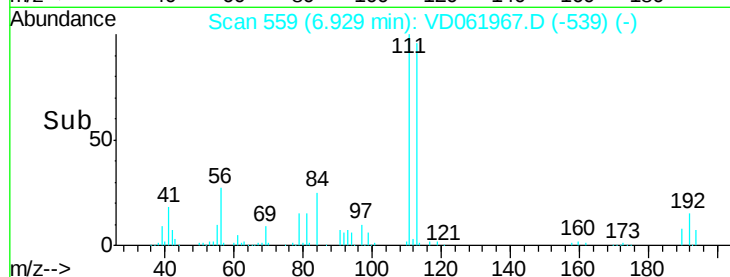
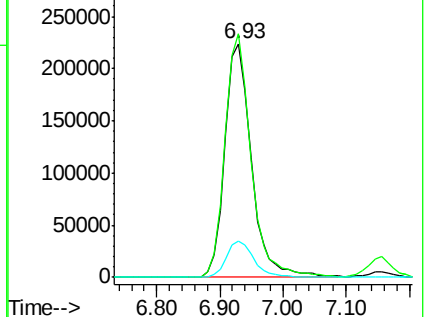
192 15.5 13.0 19.4



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

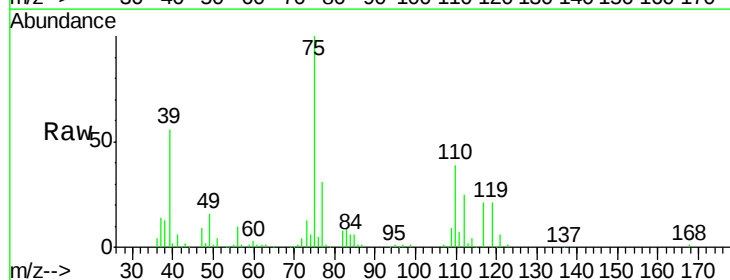
Tgt Ion: 75 Resp: 743541

Ion Ratio Lower Upper

75 100

110 39.3 19.1 57.1

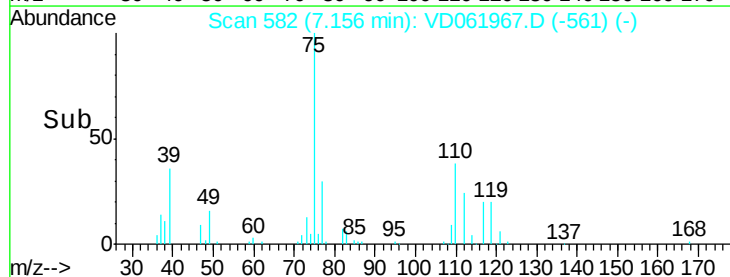
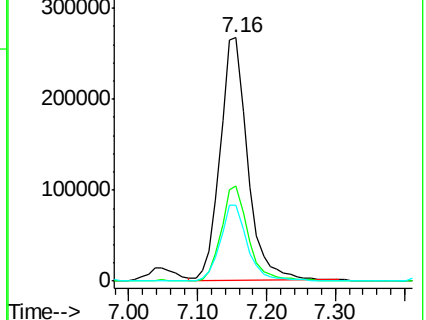
77 31.3 25.6 38.4

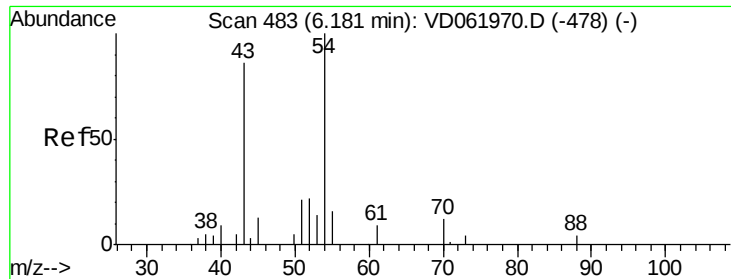


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

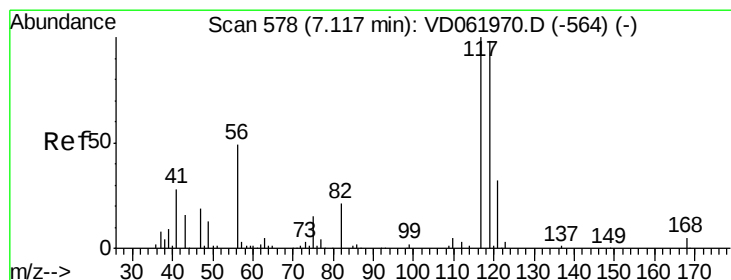
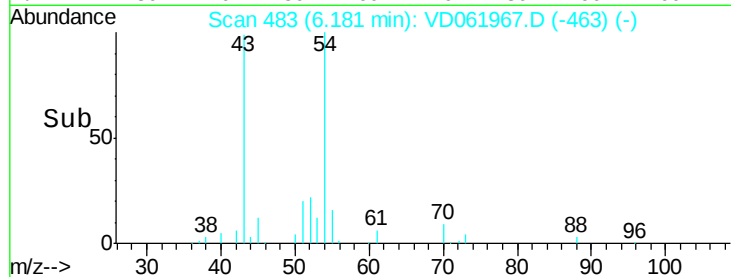
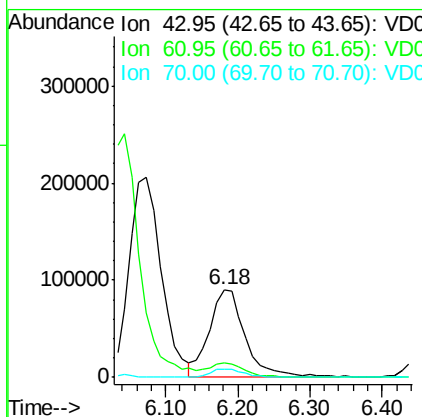
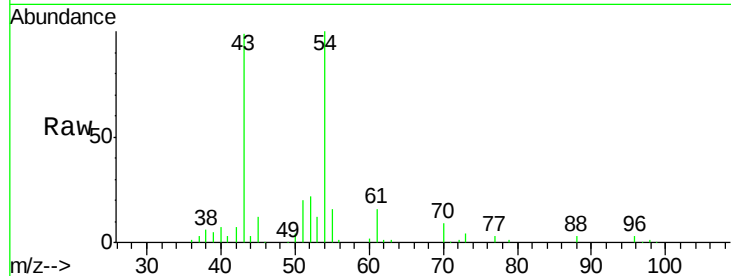




#37
Ethyl Acetate
Concen: 79.491 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

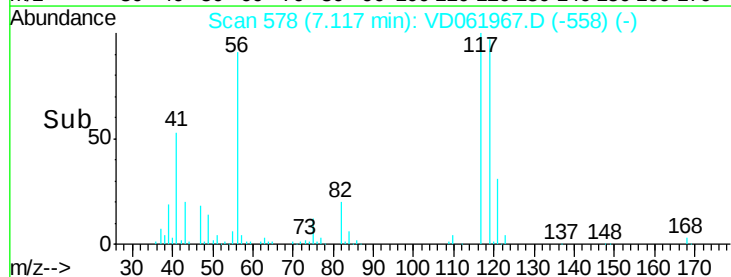
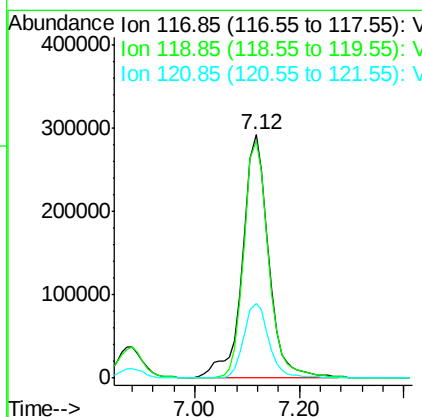
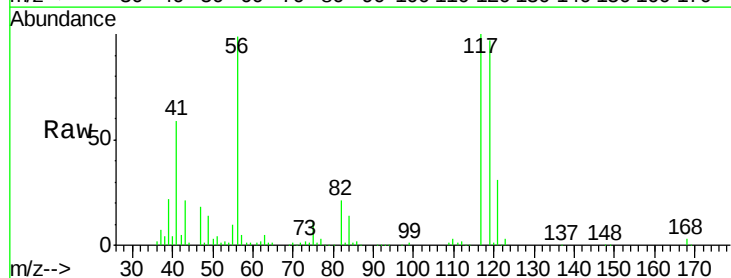
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

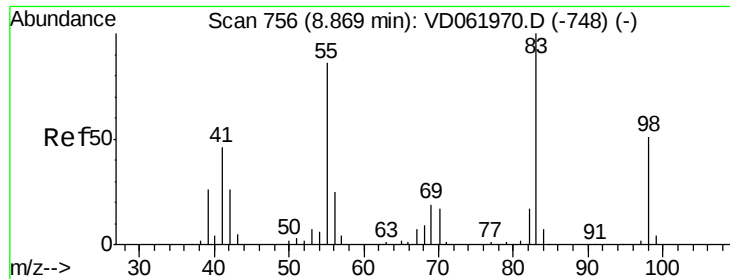
Tot Ion: 43 Resp: 300762
Ion Ratio Lower Upper
43 100
61 16.0 14.7 22.1
70 9.4 7.8 11.6



#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

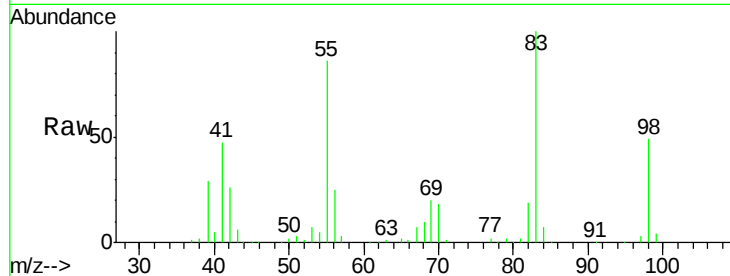




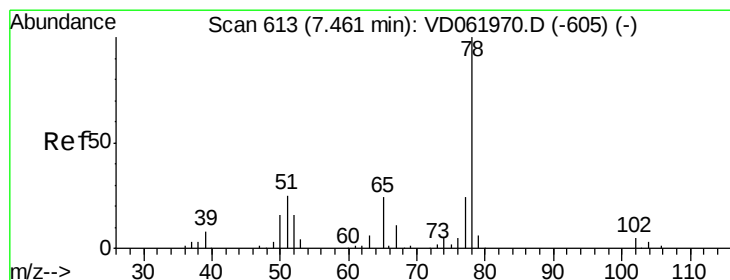
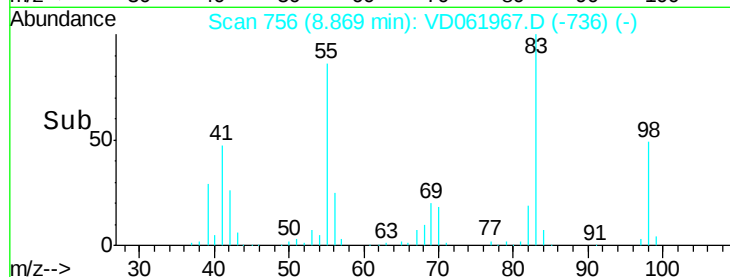
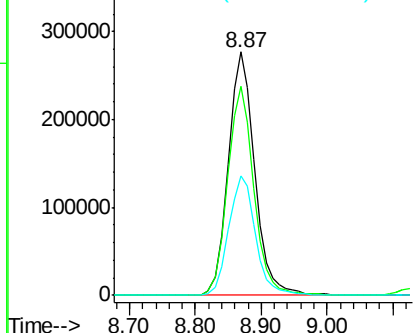
#39
Methvlcvclohexane
Concen: 96.704 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 781749
Ion Ratio Lower Upper
83 100
55 85.7 68.2 102.4
98 48.9 38.2 57.4

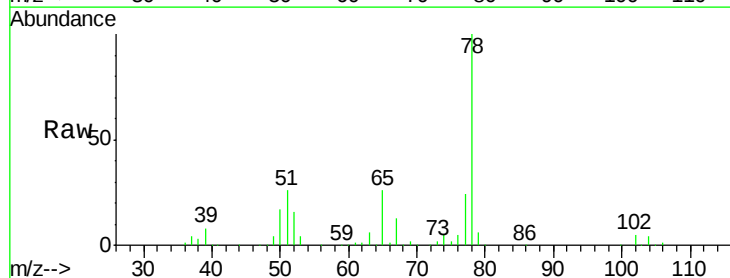


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

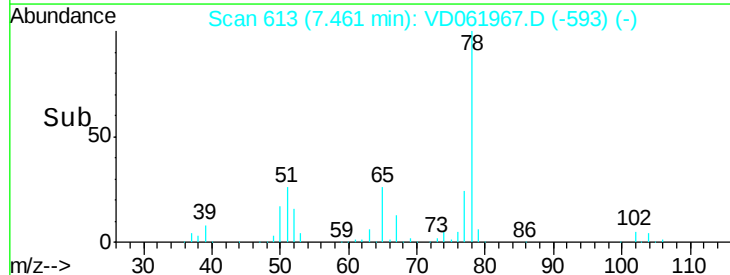
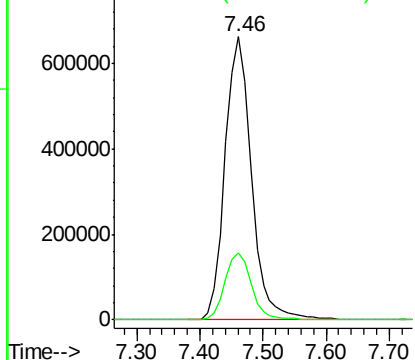


#40
Benzene
Concen: 93.634 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

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

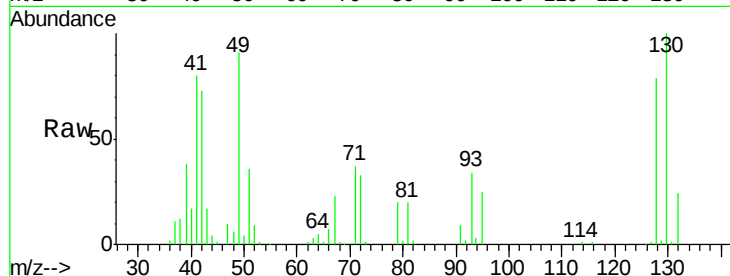




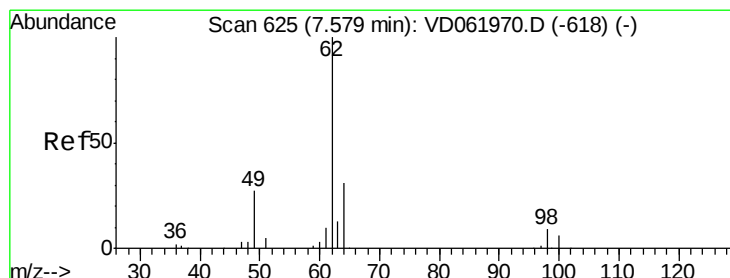
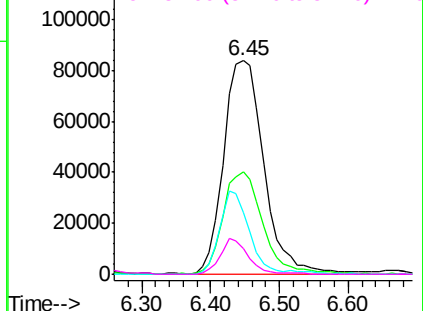
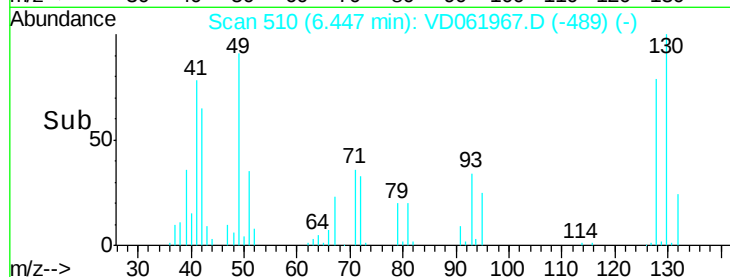
#41
Methacrylonitrile
Concen: 75.633 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot 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

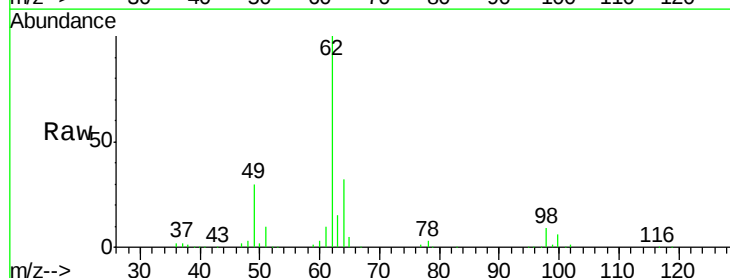


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

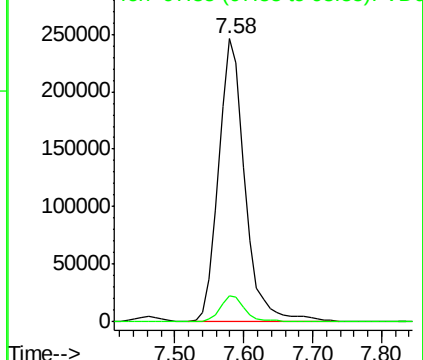
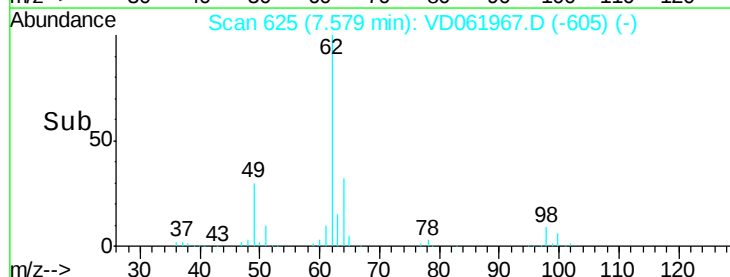


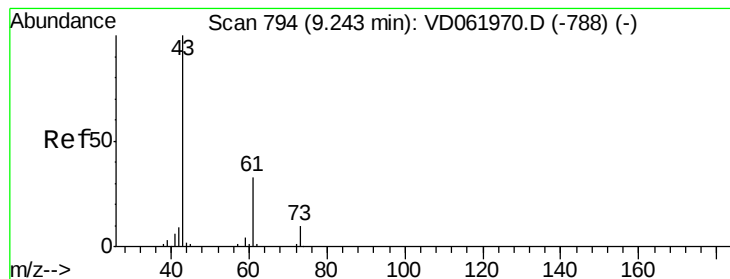
#42
1,2-Dichloroethane
Concen: 85.712 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

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

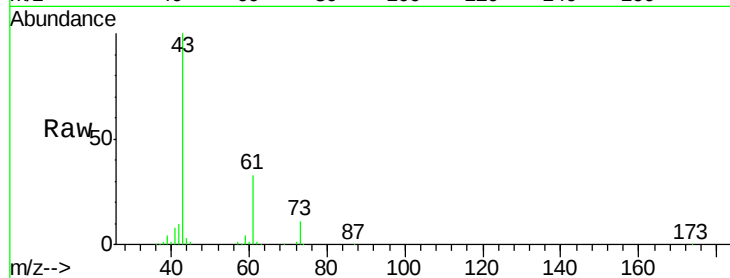
Tot Ion: 43 Resp: 521787

Ion Ratio Lower Upper

43 100

61 33.1 25.1 37.7

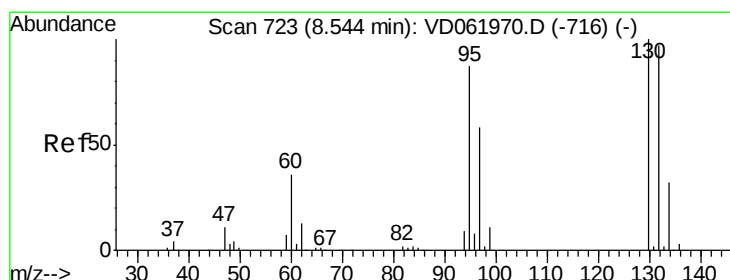
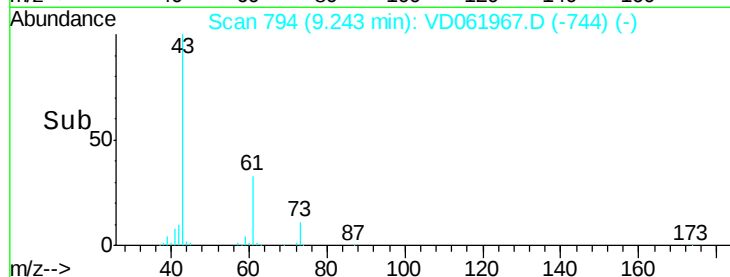
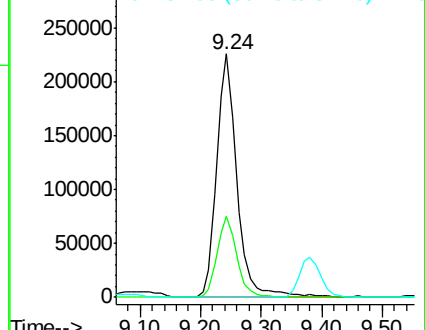
87 0.3 0.0 0.0#



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

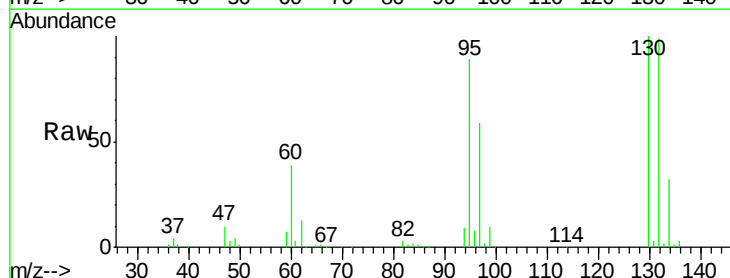
Acq: 23 Apr 2019 12:51

Tgt Ion: 130 Resp: 761242

Ion Ratio Lower Upper

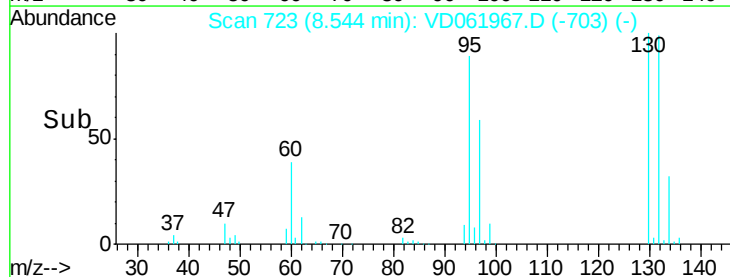
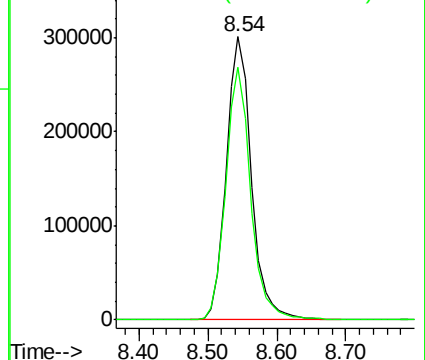
130 100

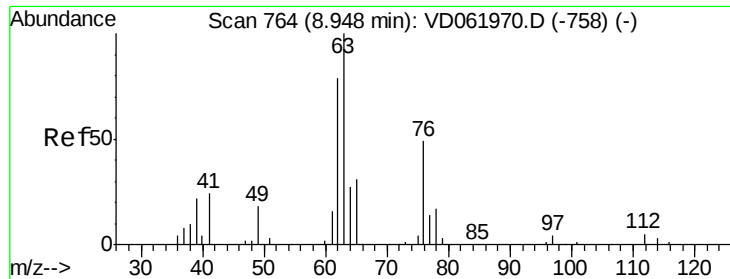
95 89.2 0.0 174.0



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 :

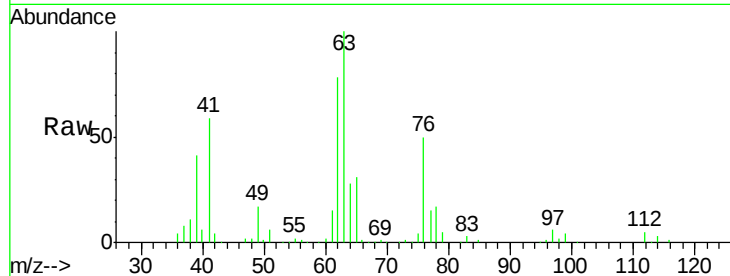
VSTDIC100

Tot Ion: 63 Resp: 489233

Ion Ratio Lower Upper

63 100

65 30.8 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

200000

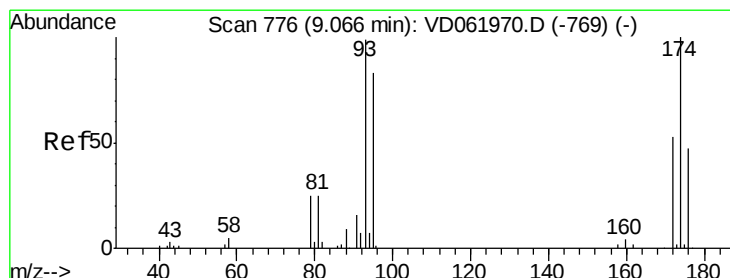
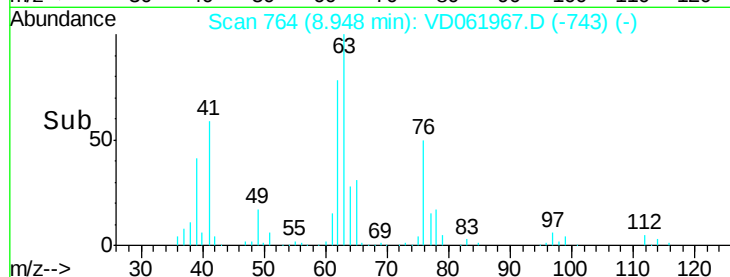
150000

100000

50000

0

Time--> 8.70 8.80 8.90 9.00 9.10



#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

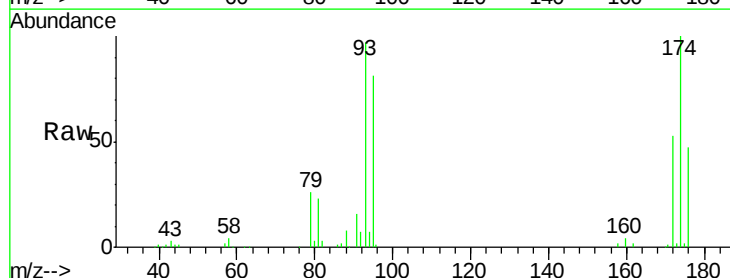
Tgt Ion: 93 Resp: 364074

Ion Ratio Lower Upper

93 100

95 83.5 64.8 97.2

174 102.6 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

200000

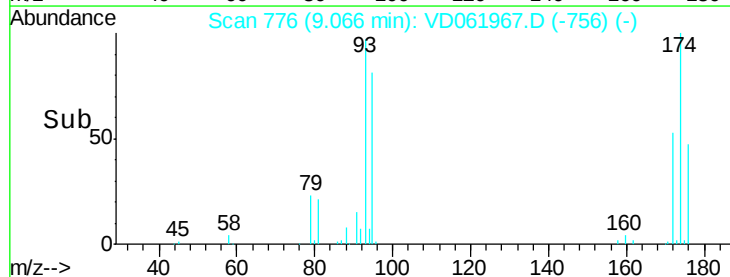
150000

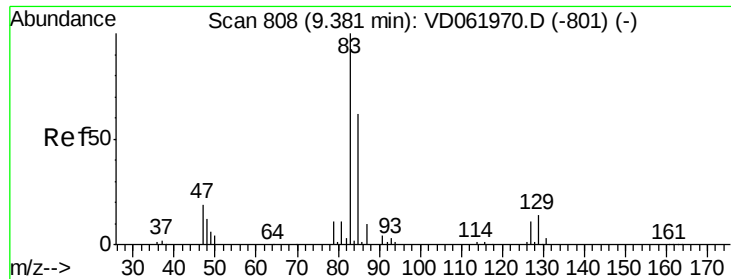
100000

50000

0

Time--> 9.00 9.10 9.20





#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

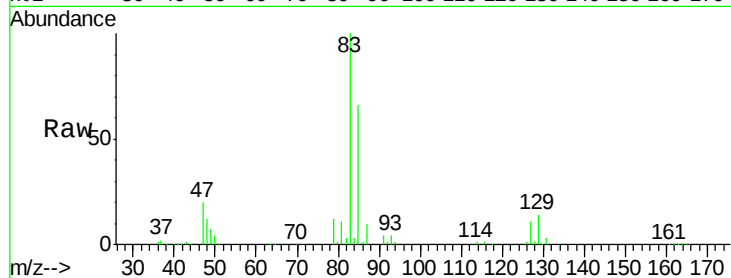
Tot Ion: 83 Resp: 885285

Ion Ratio Lower Upper

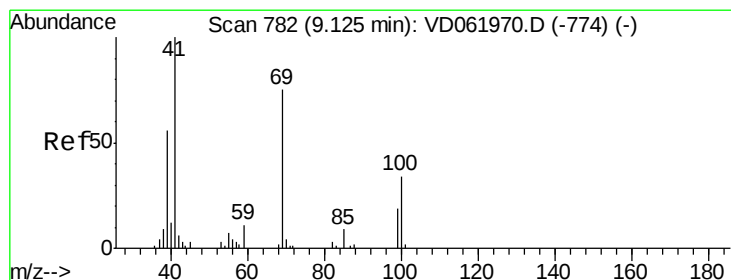
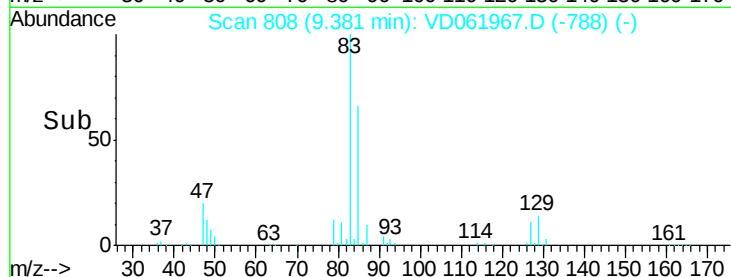
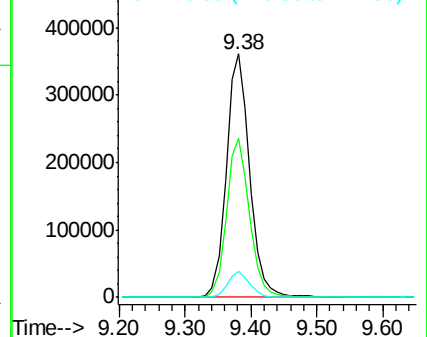
83 100

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

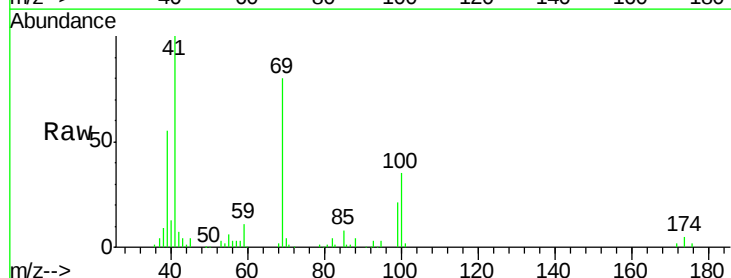
Tgt Ion: 41 Resp: 278718

Ion Ratio Lower Upper

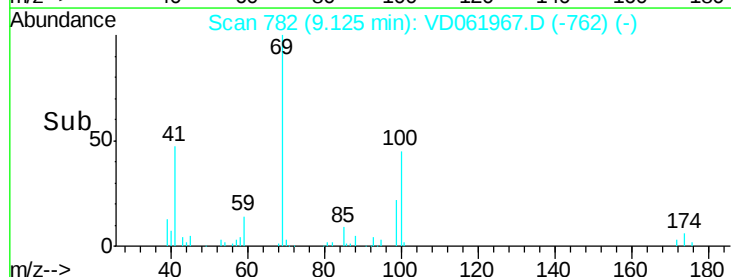
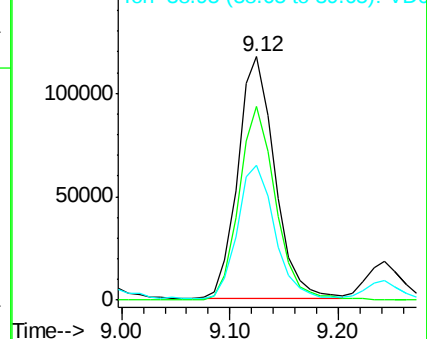
41 100

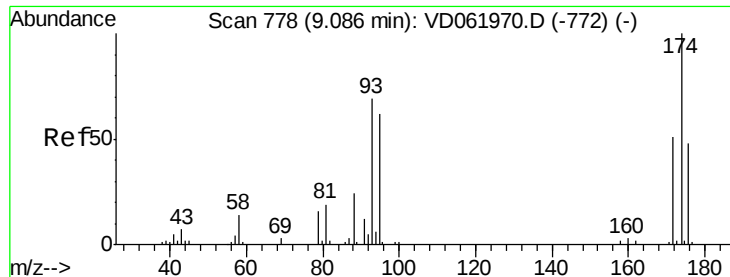
69 79.5 64.2 96.2

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

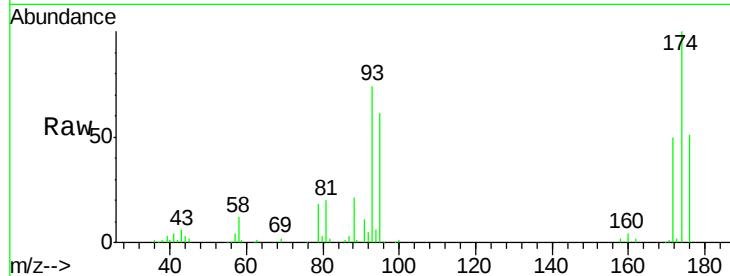




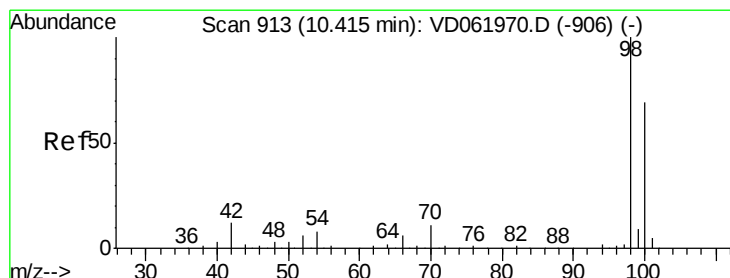
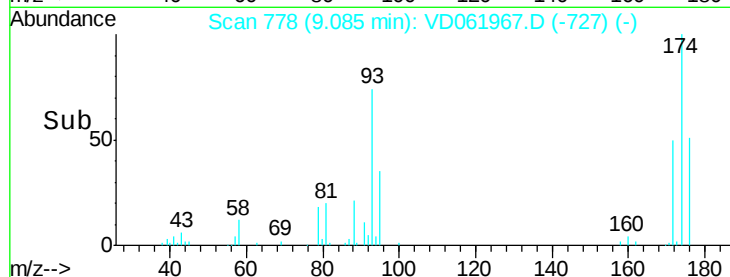
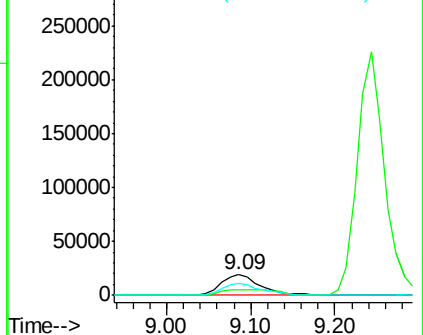
#49
1,4-Dioxane
Concen: 1901.840 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

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

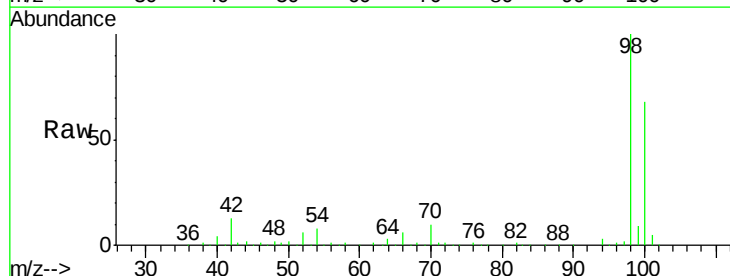


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

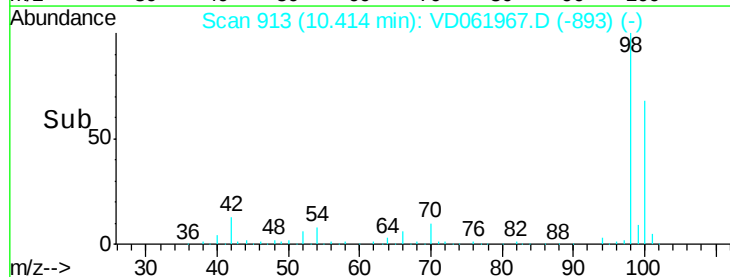
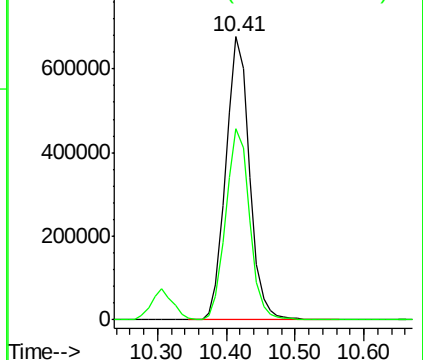


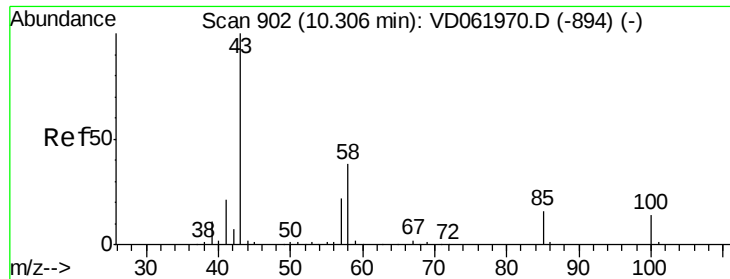
#50
Toluene-d8
Concen: 1901.840 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

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 :

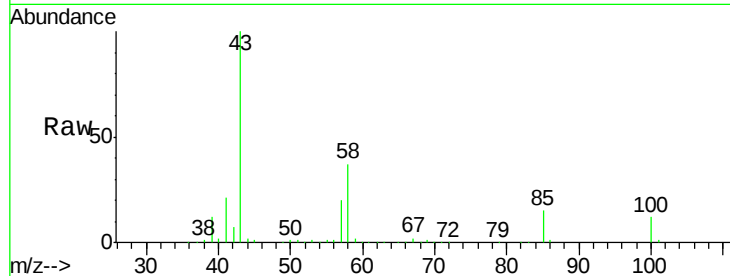
VSTDIC100

Tot Ion: 43 Resp: 1361212

Ion Ratio Lower Upper

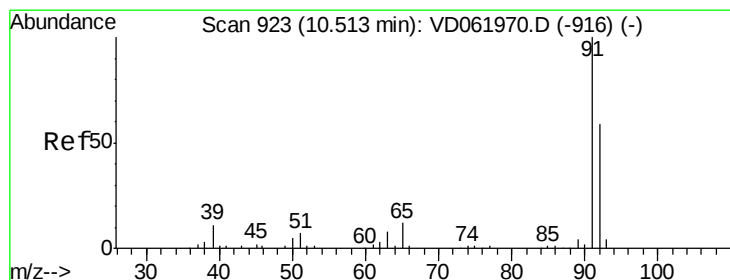
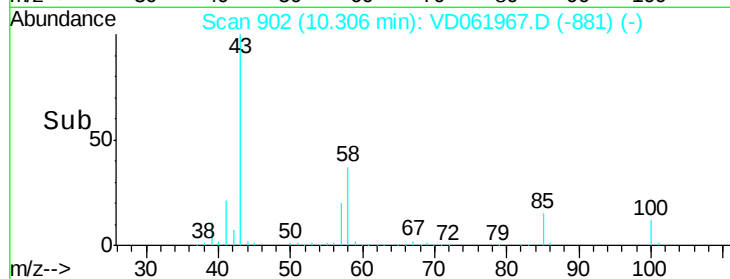
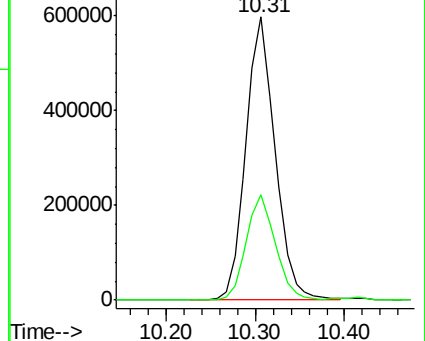
43 100

58 37.3 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 87.653 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD061967.D

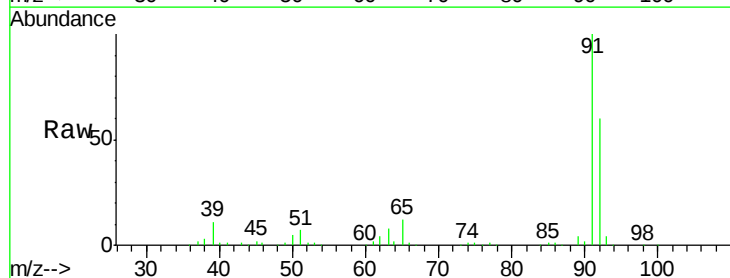
Acq: 23 Apr 2019 12:51

Tgt Ion: 92 Resp: 1161564

Ion Ratio Lower Upper

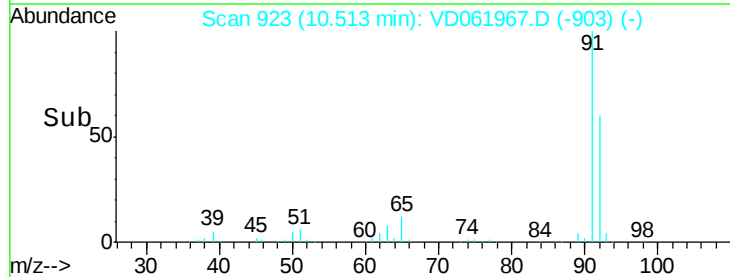
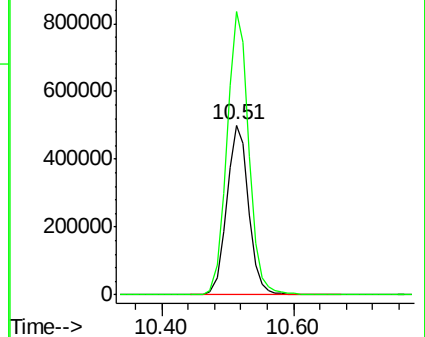
92 100

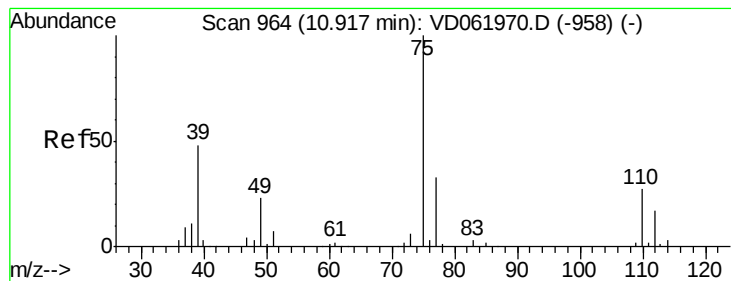
91 166.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 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 :

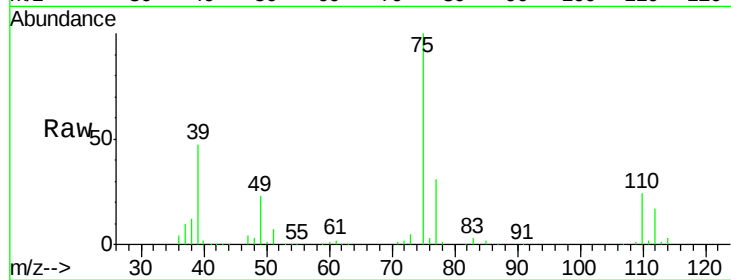
VSTDIC100

Tot Ion: 75 Resp: 674994

Ion Ratio Lower Upper

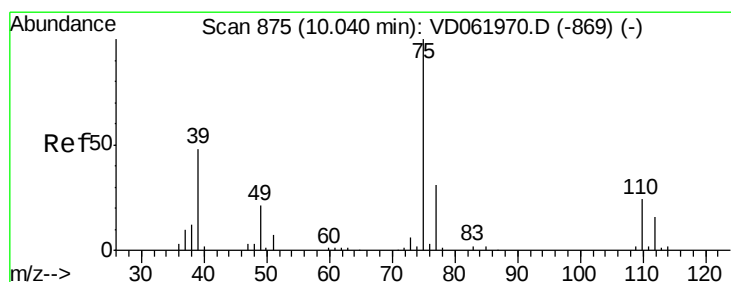
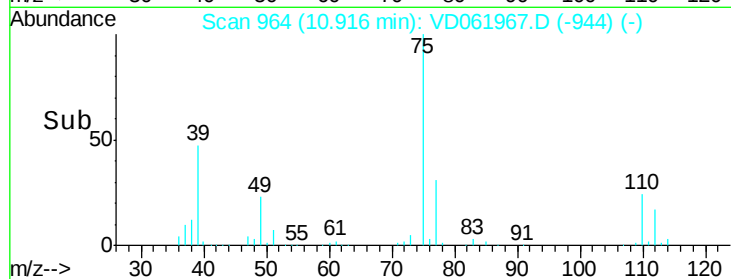
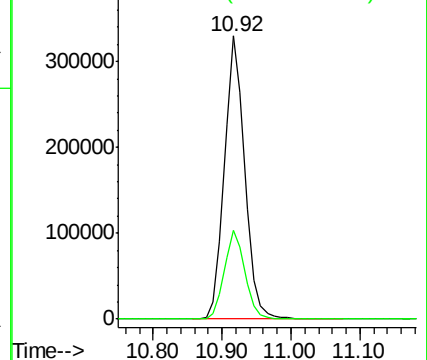
75 100

77 31.5 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 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

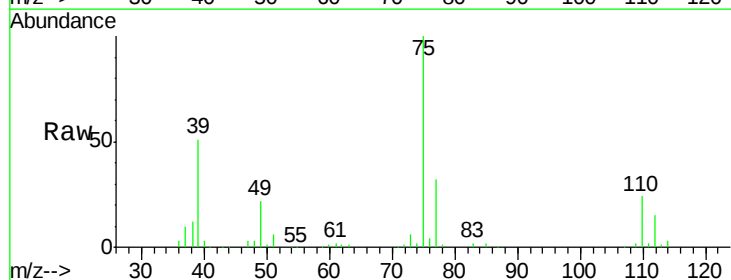
Tgt Ion: 75 Resp: 838571

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

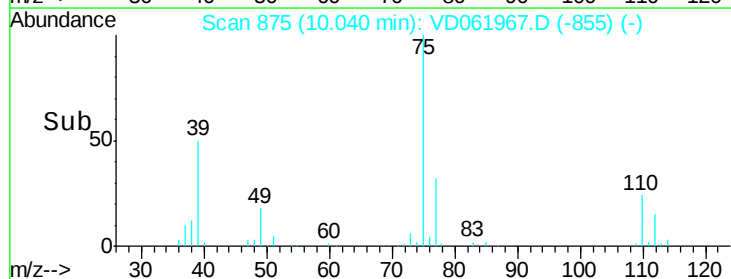
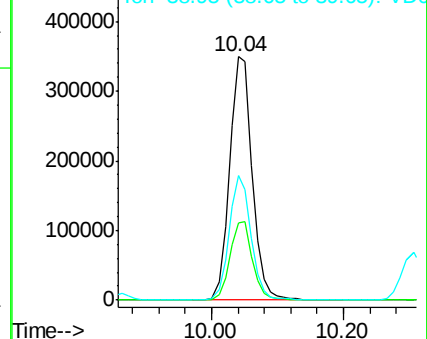
39 51.2 39.4 59.2

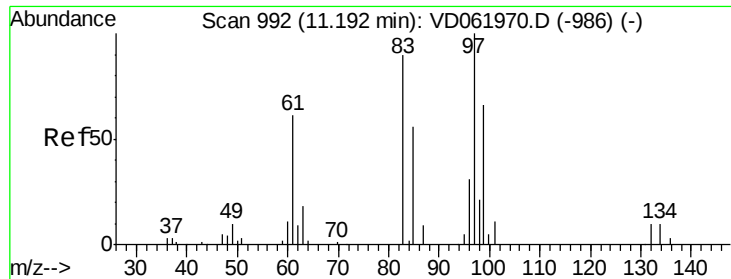


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 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

Tot Ion: 97 Resp: 408602

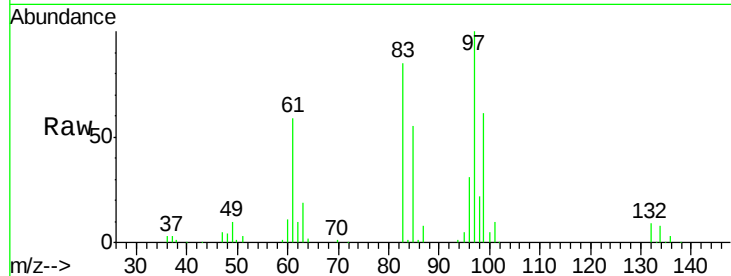
Ion Ratio Lower Upper

97 100

83 84.9 65.7 98.5

85 54.8 45.6 68.4

99 61.3 48.4 72.6

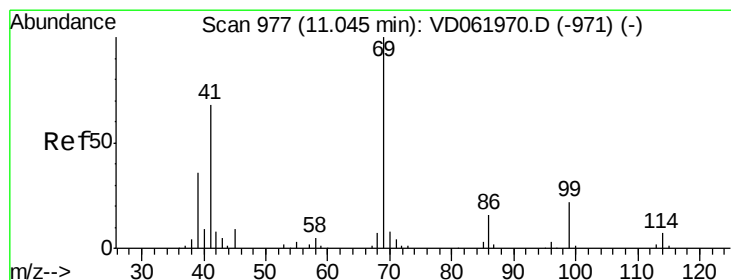
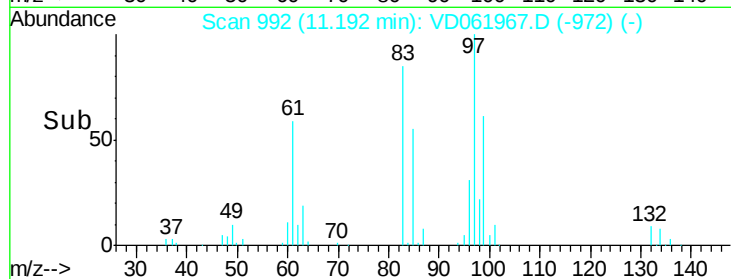
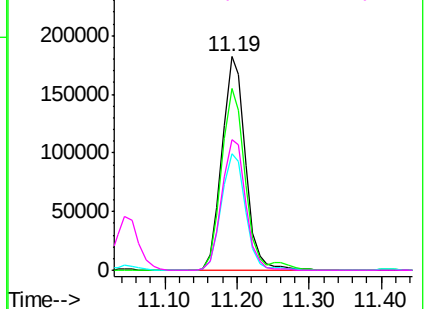


Abundance Ion 96.85 (96.55 to 97.55): VDC

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

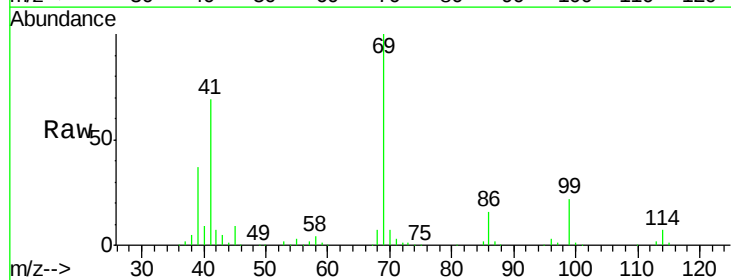
Tgt Ion: 69 Resp: 447534

Ion Ratio Lower Upper

69 100

41 69.5 56.3 84.5

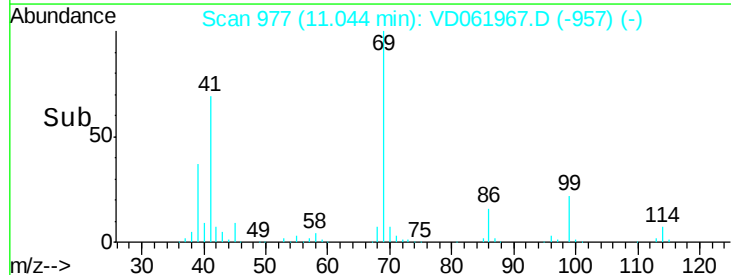
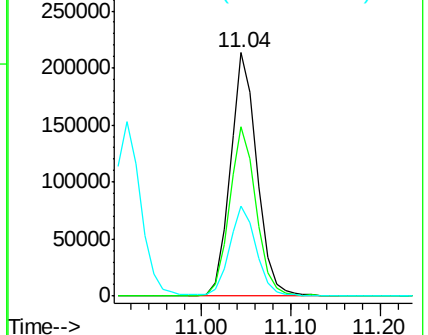
39 37.1 29.4 44.2

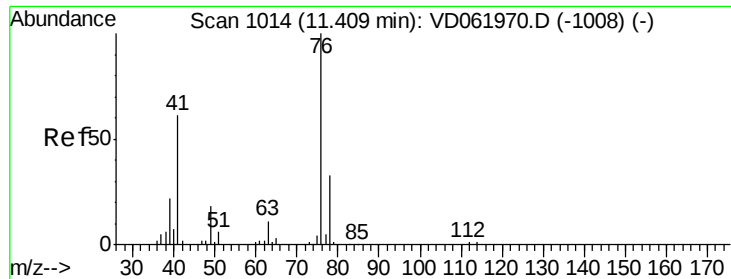


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

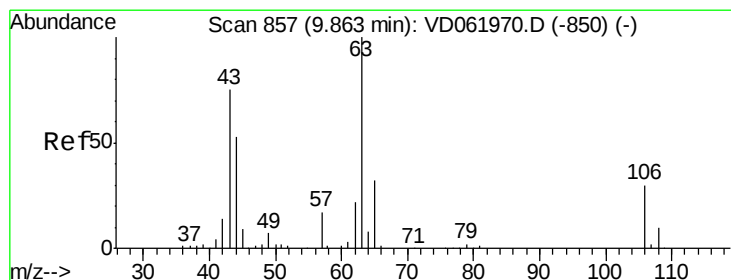
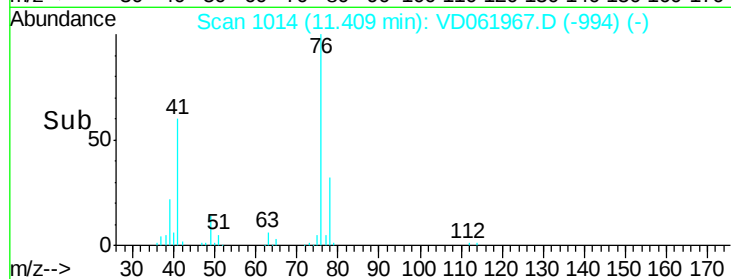
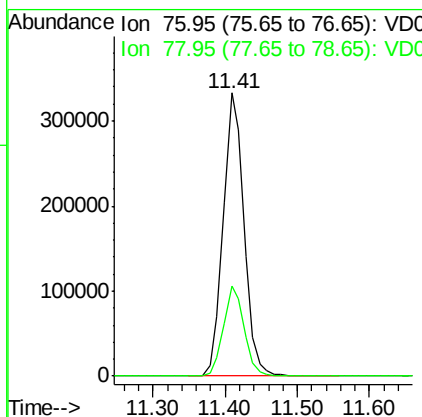
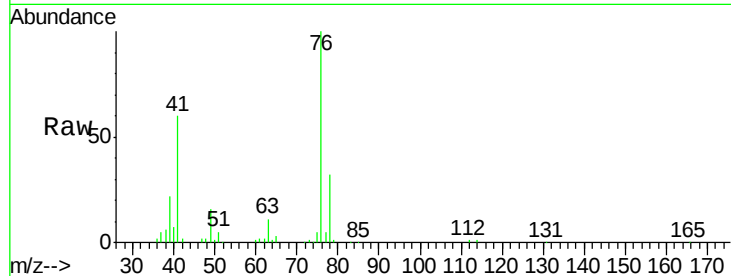




#57
 1,3-Dichloropropane
 Concen: 93.678 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

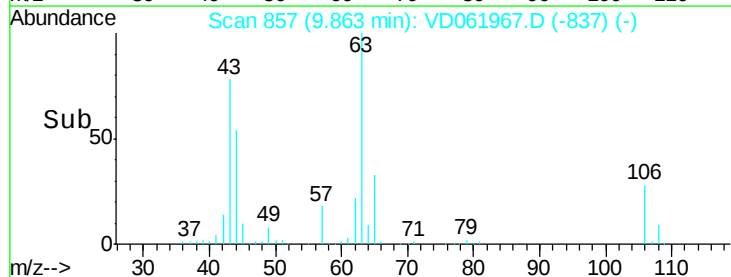
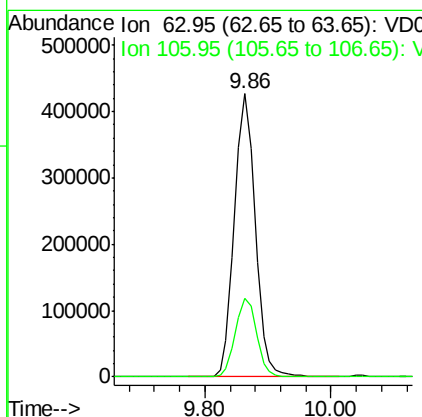
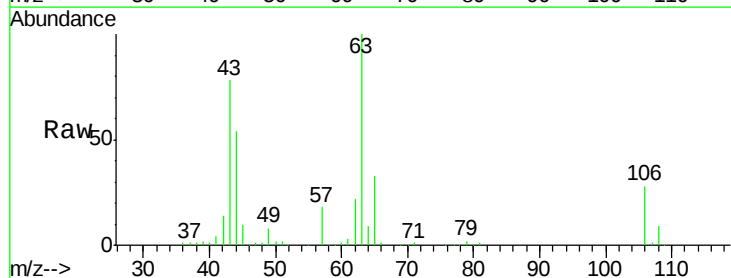
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

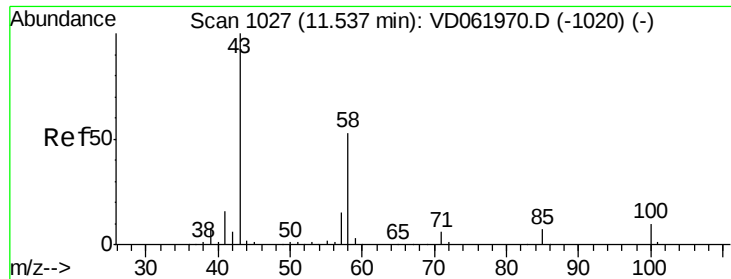
Tot Ion: 76 Resp: 665623
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.2 39.2



#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

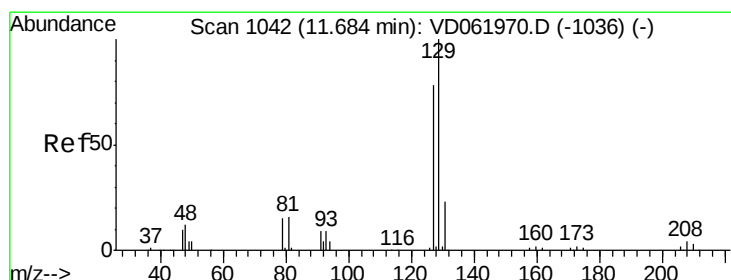
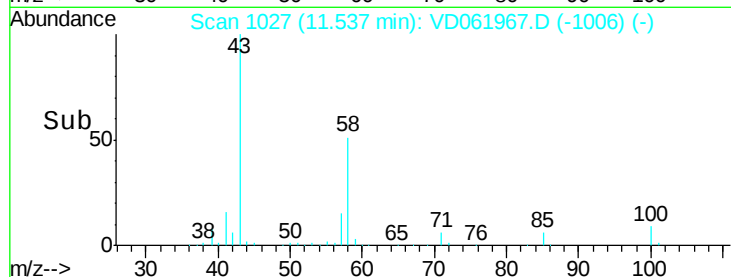
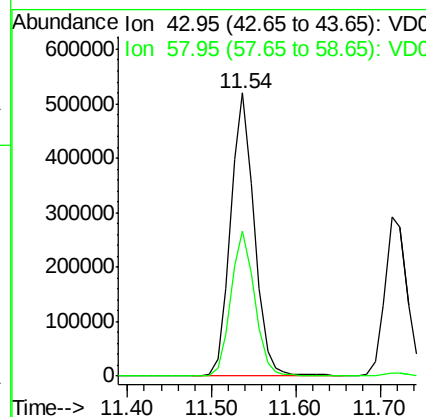
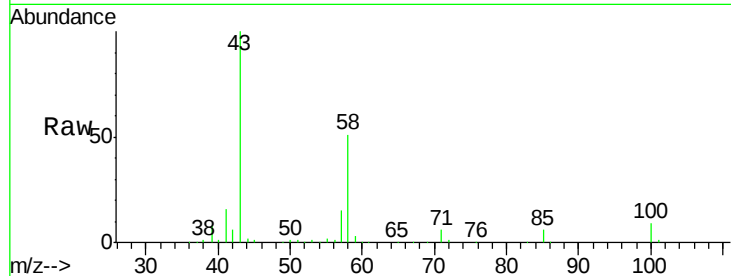




#59
2-Hexanone
Concen: 408.314 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

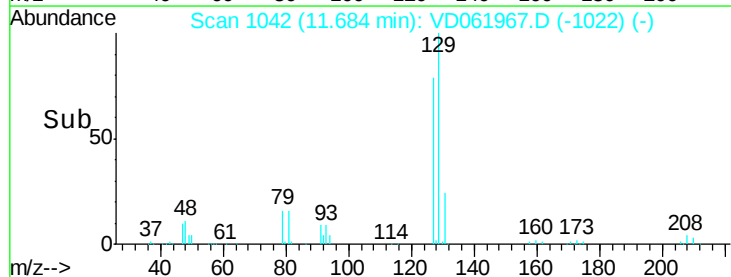
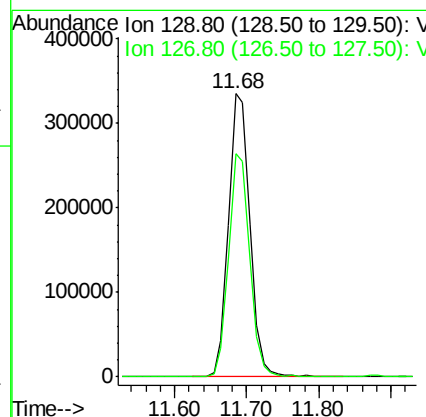
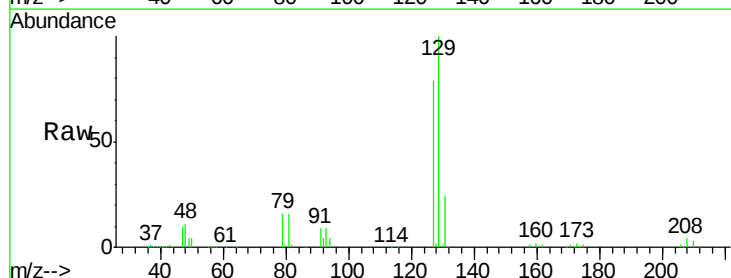
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

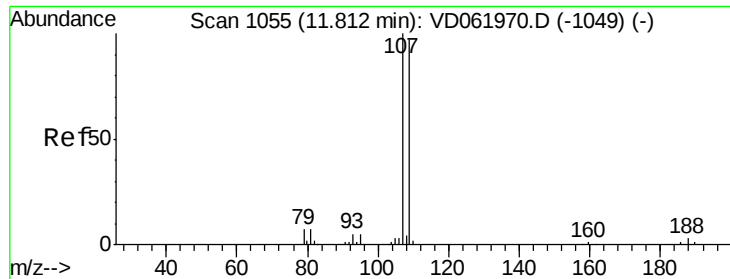
Tot Ion: 43 Resp: 1011628
Ion Ratio Lower Upper
43 100
58 51.3 25.4 76.4



#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

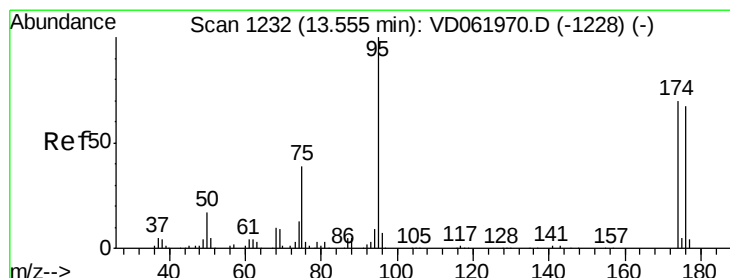
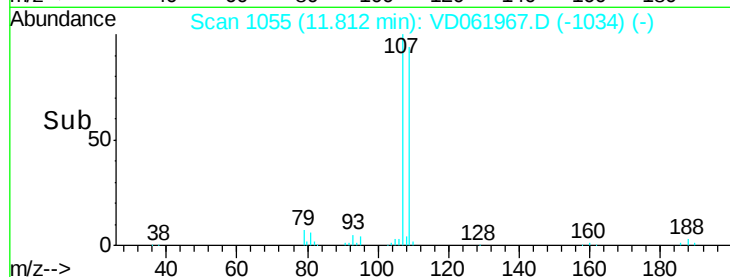
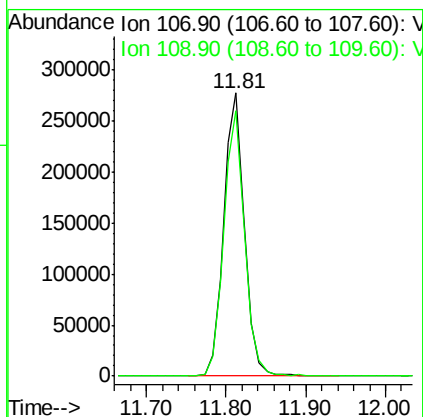
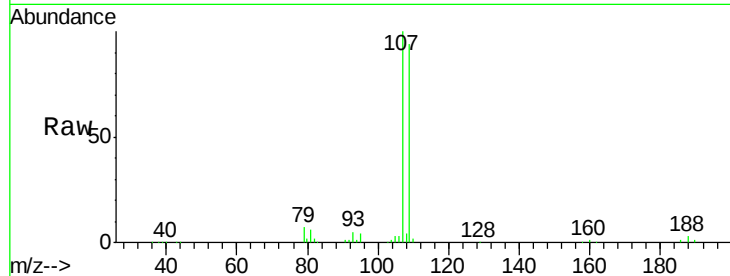




#61
 1,2-Dibromoethane
 Concen: 89.027 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

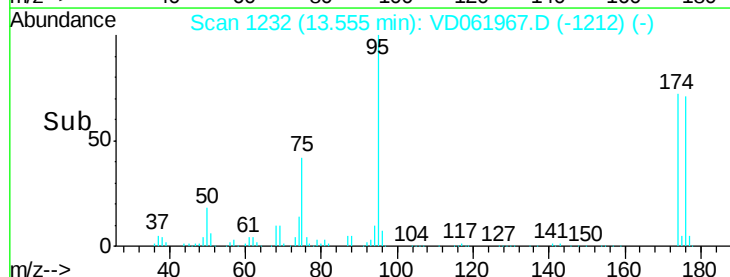
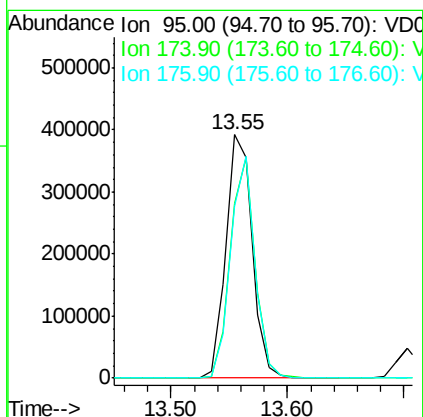
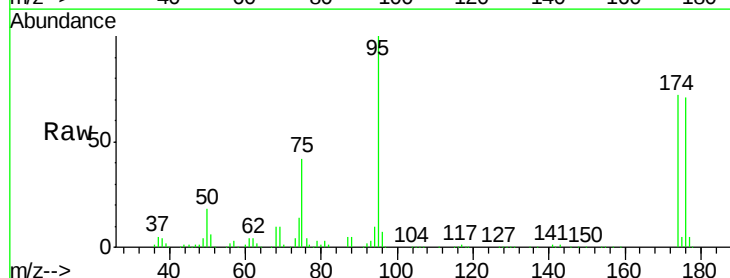
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

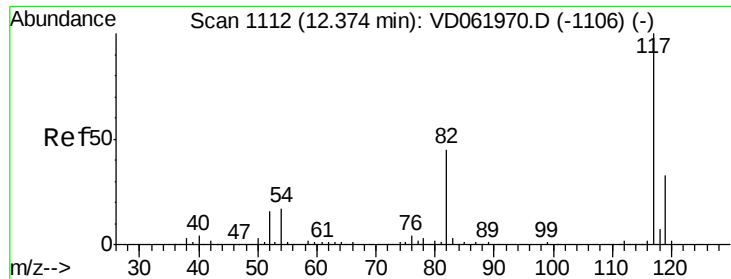
Tot Ion: 107 Resp: 508703
 Ion Ratio Lower Upper
 107 100
 109 93.8 78.3 117.5



#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

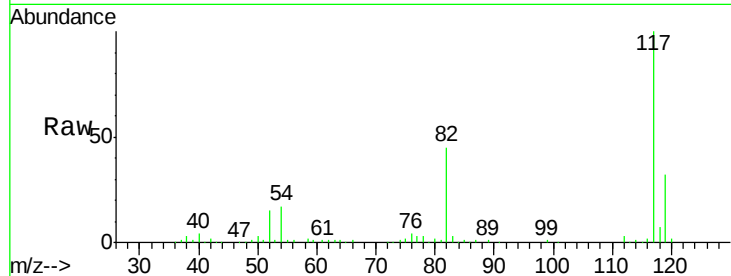




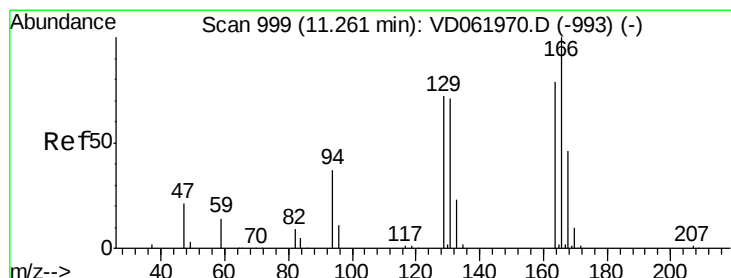
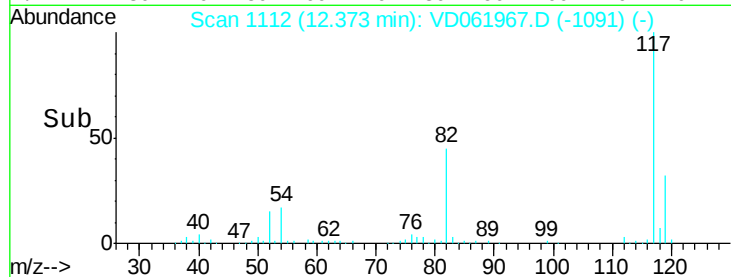
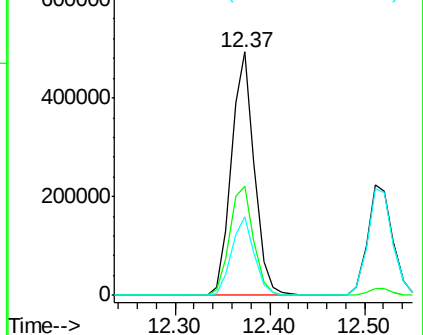
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

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

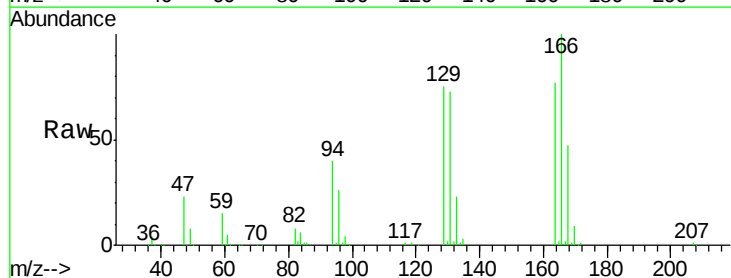


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

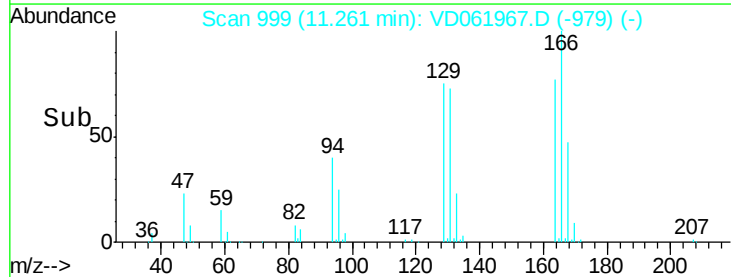
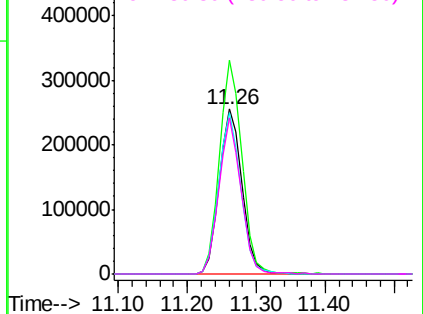


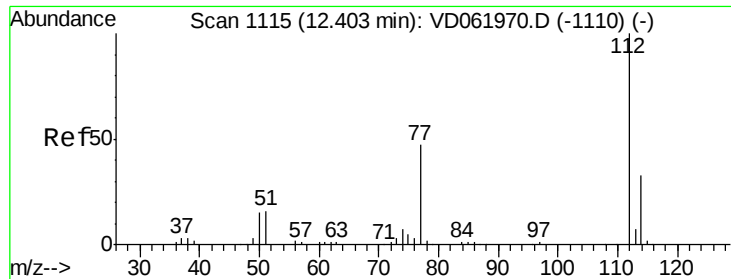
#64
Tetrachloroethene
Concen: 97.136 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

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

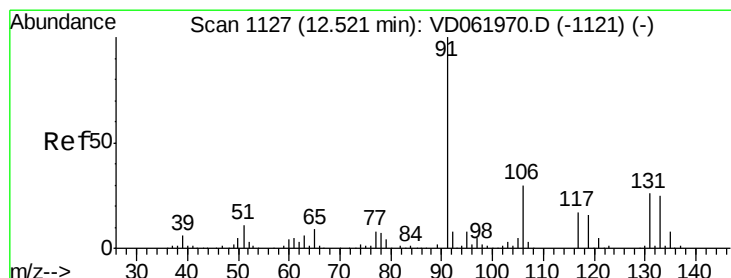
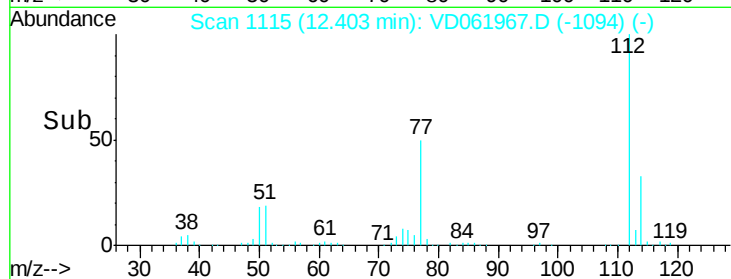
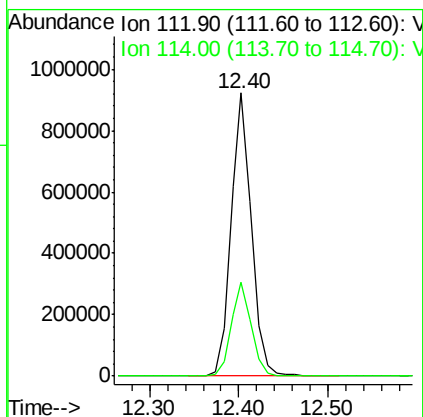
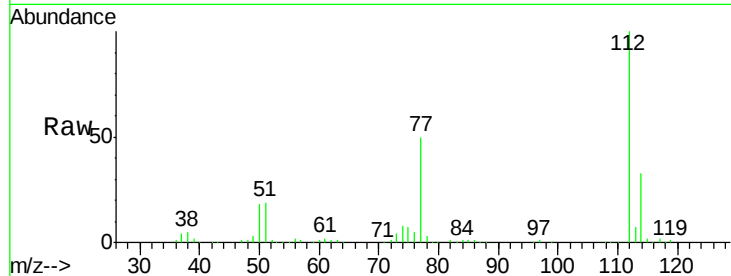




#65
Chlorobenzene
Concen: 93.636 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

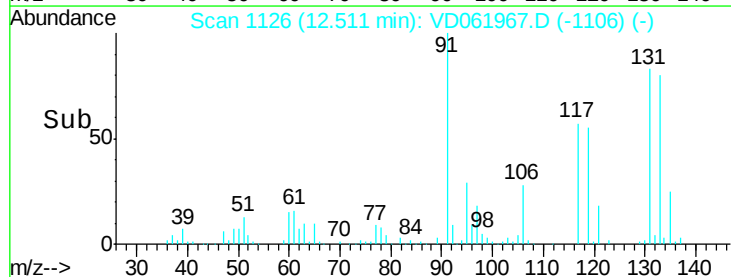
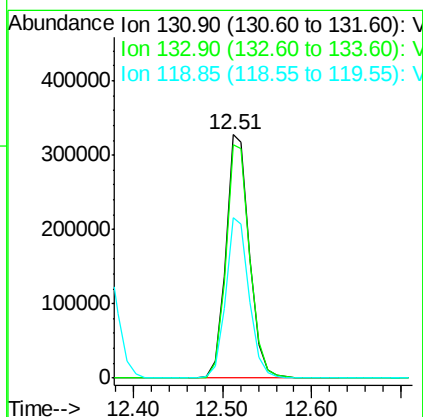
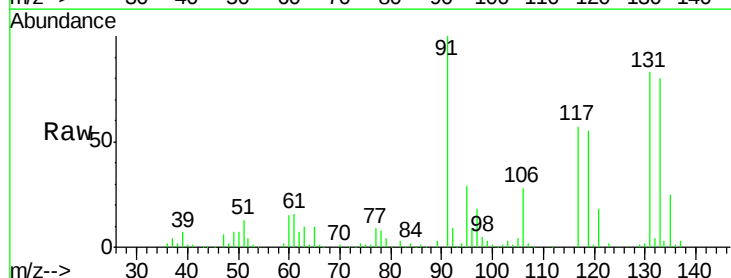
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

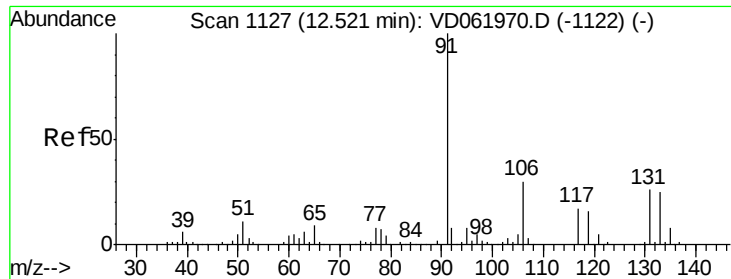
Tot Ion:112 Resp: 1480553
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.8



#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

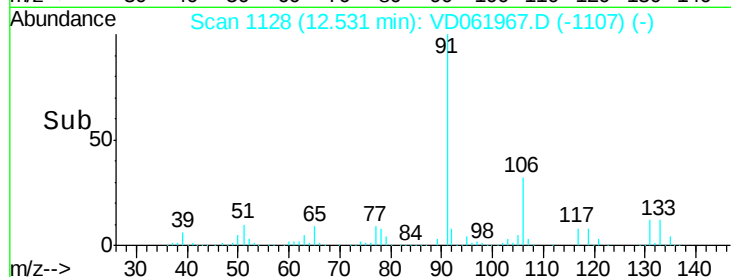
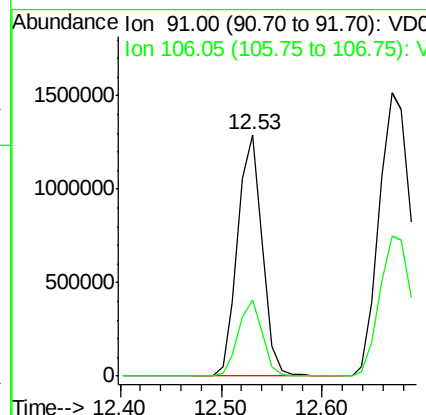
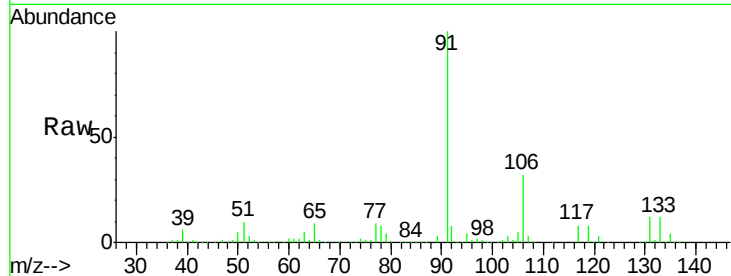




#67
Ethyl Benzene
Concen: 90.797 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

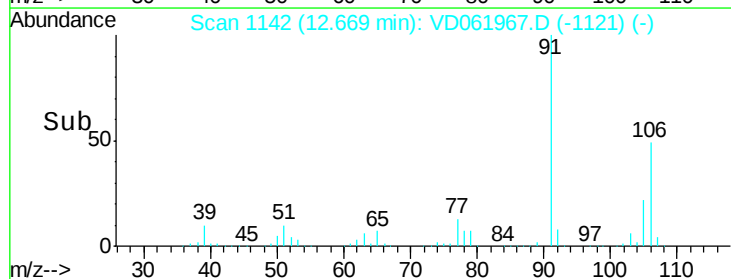
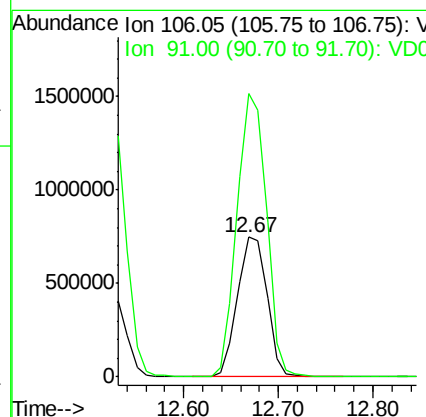
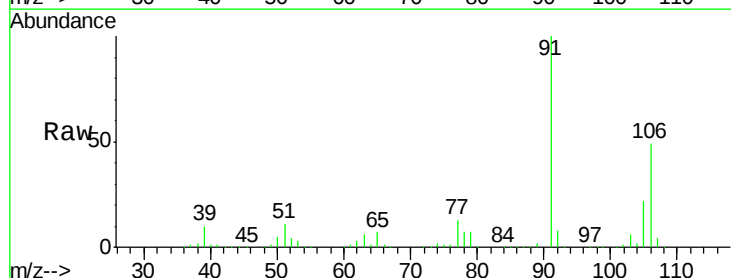
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot 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

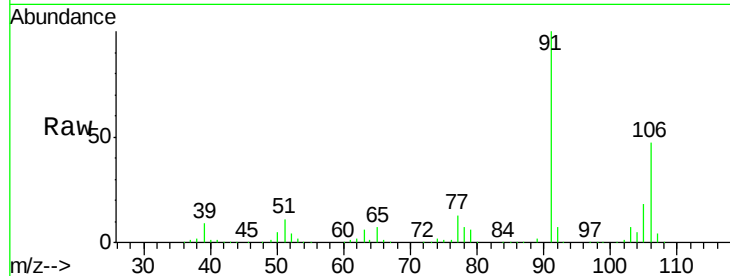




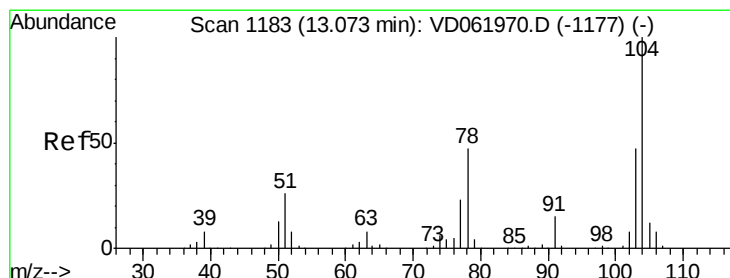
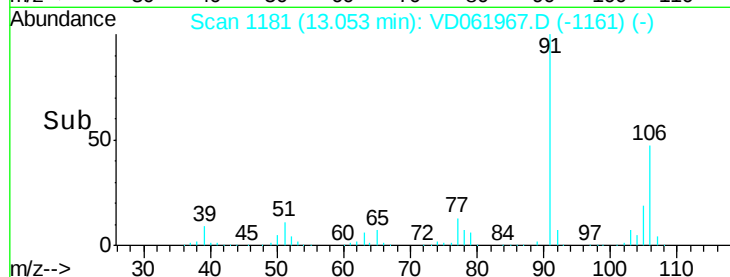
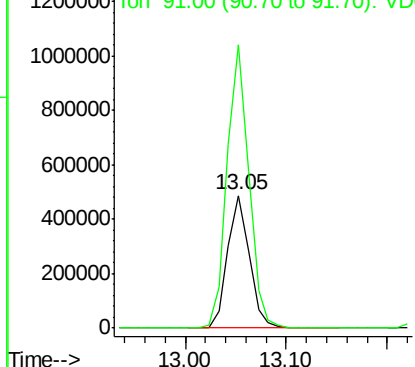
#69
o-Xylene
Concen: 83.714 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

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

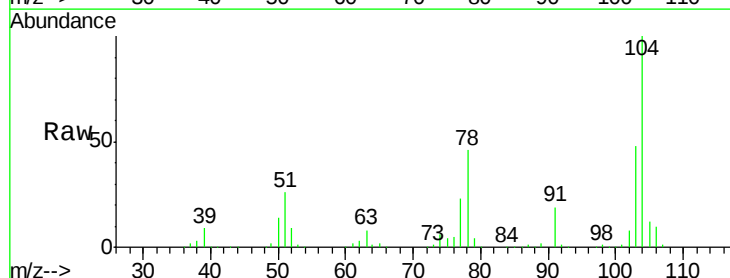


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

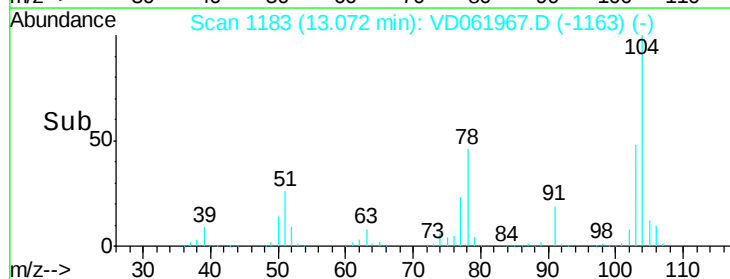
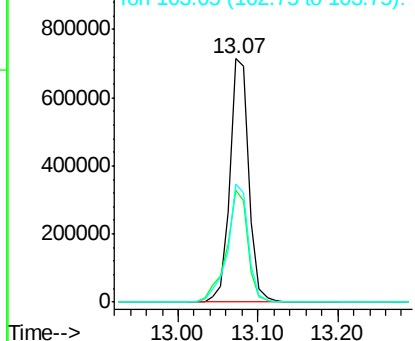


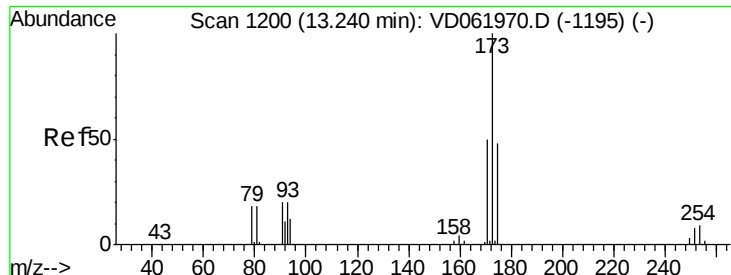
#70
Styrene
Concen: 79.392 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

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

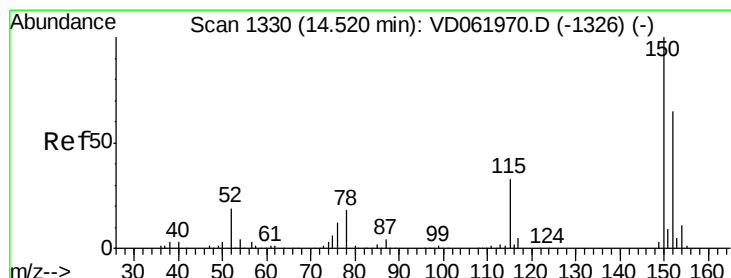
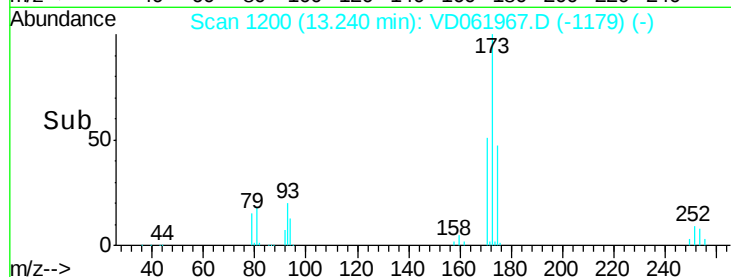
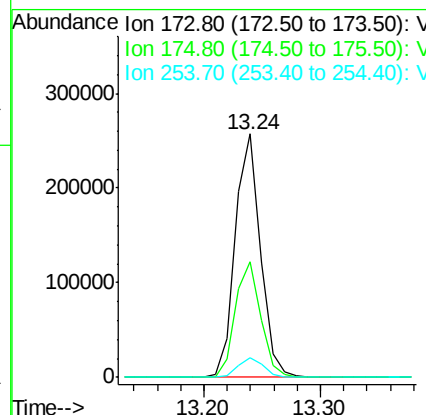
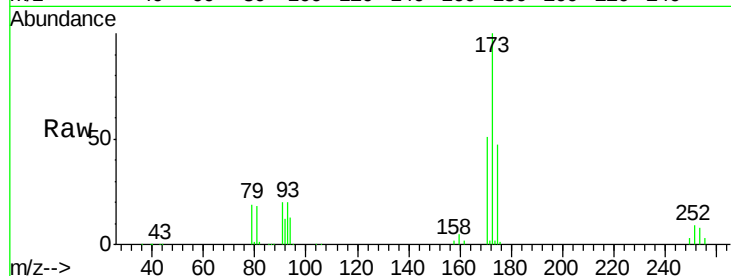




#71
Bromoform
Concen: 95.657 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

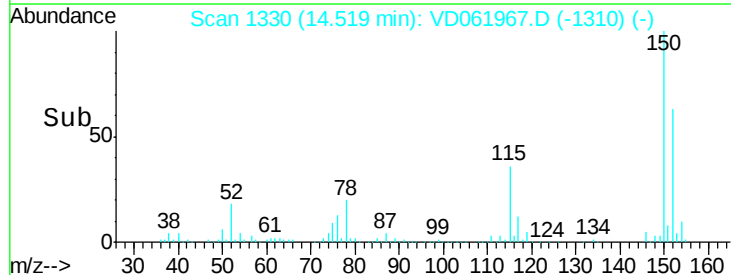
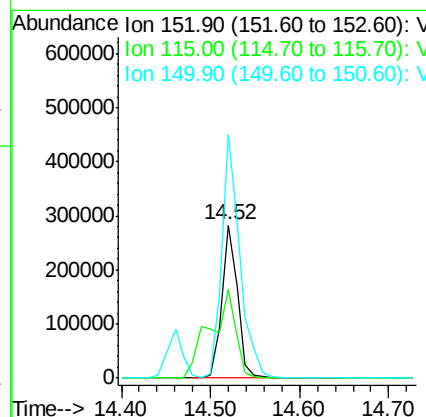
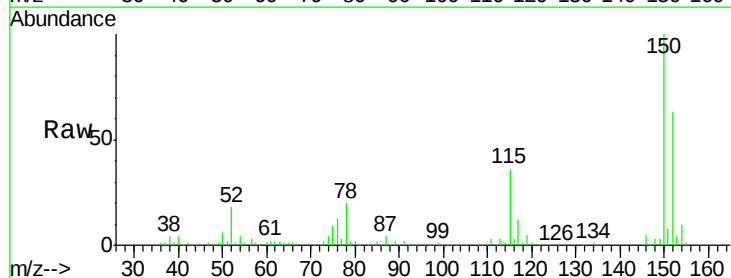
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

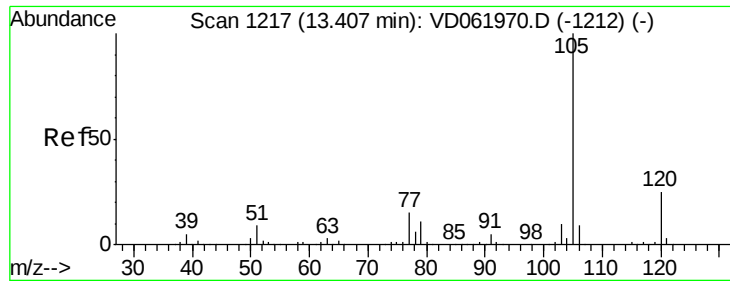
Tot Ion:173 Resp: 385400
Ion Ratio Lower Upper
173 100
175 47.5 24.4 73.4
254 8.1 5.4 8.2



#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





#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 :

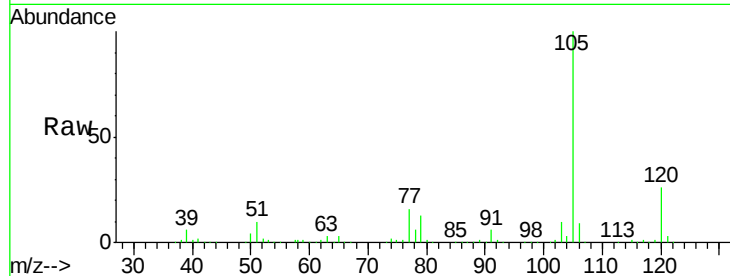
VSTDIC100

Tot Ion:105 Resp: 2185721

Ion Ratio Lower Upper

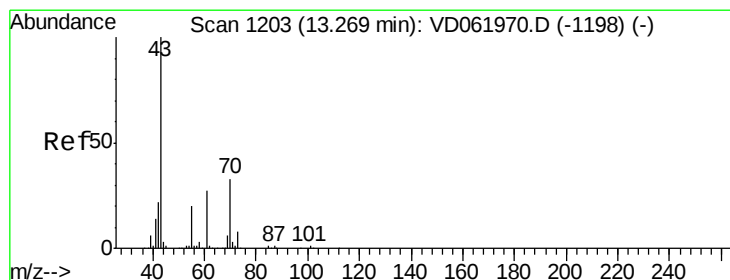
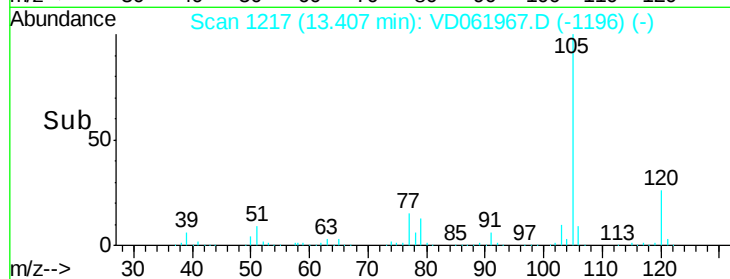
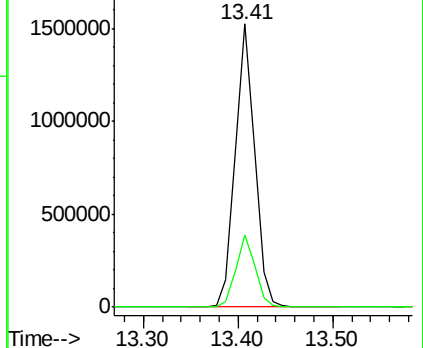
105 100

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

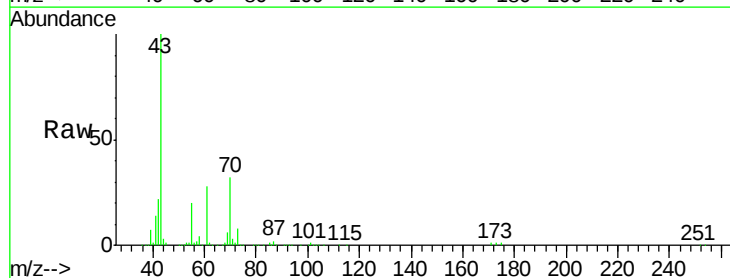
Ion Ratio Lower Upper

43 100

70 31.9 24.2 36.4

55 19.9 16.0 24.0

61 27.6 21.6 32.4

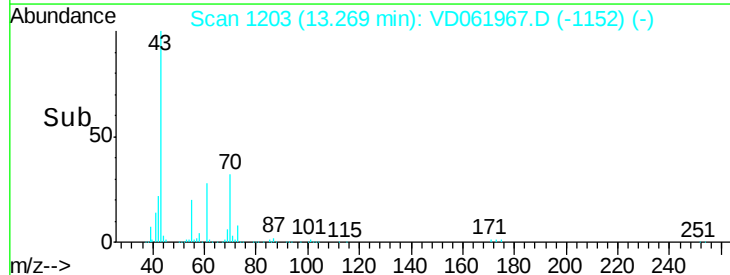
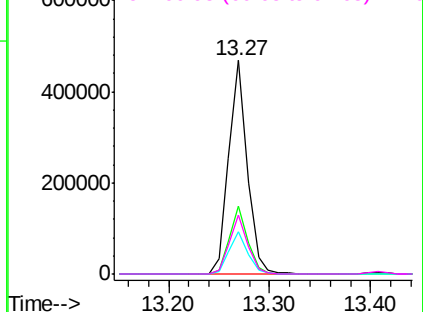


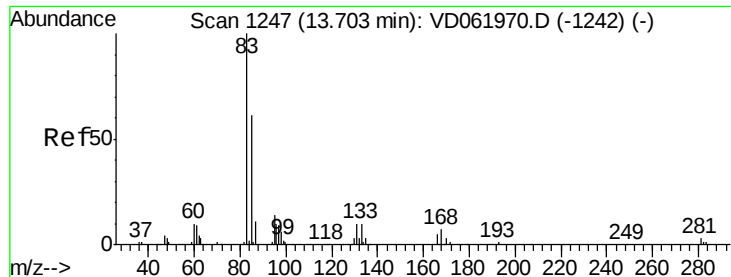
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 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

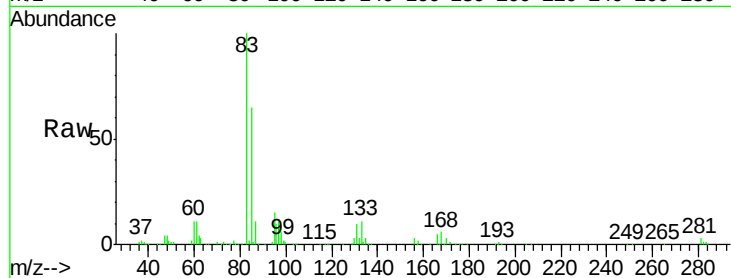
Tot Ion: 83 Resp: 448273

Ion Ratio Lower Upper

83 100

131 10.4 5.0 14.9

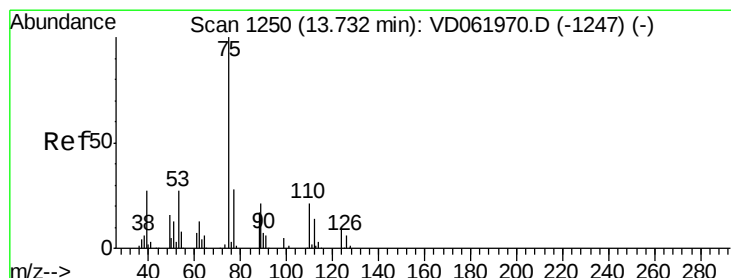
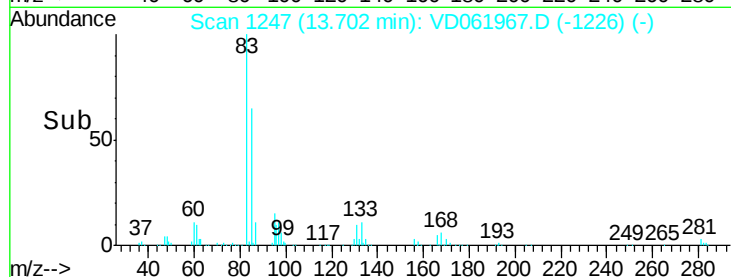
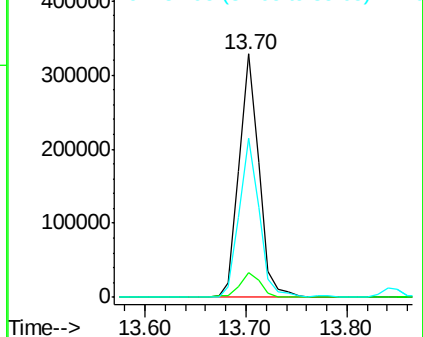
85 65.4 32.6 97.7



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

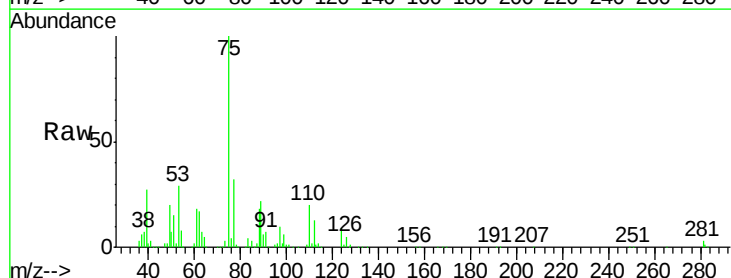
Acq: 23 Apr 2019 12:51

Tgt Ion: 75 Resp: 445982

Ion Ratio Lower Upper

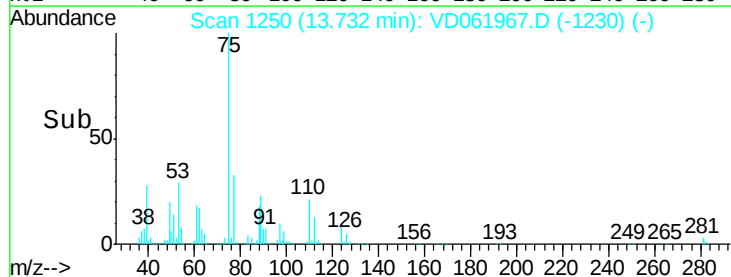
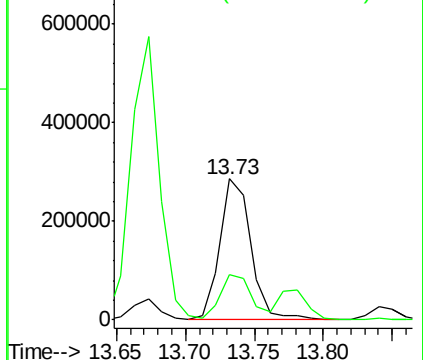
75 100

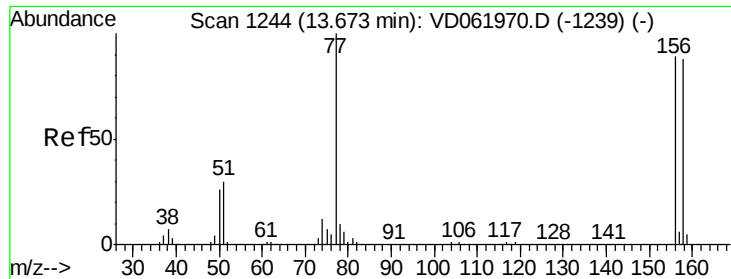
77 32.0 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

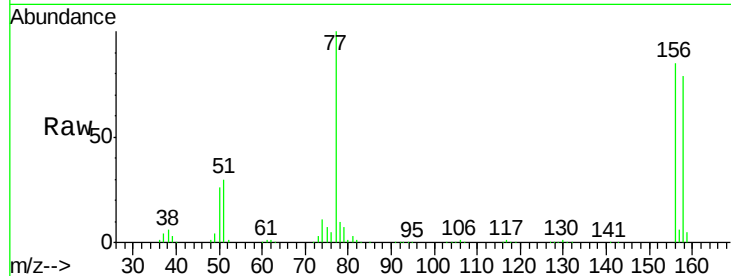




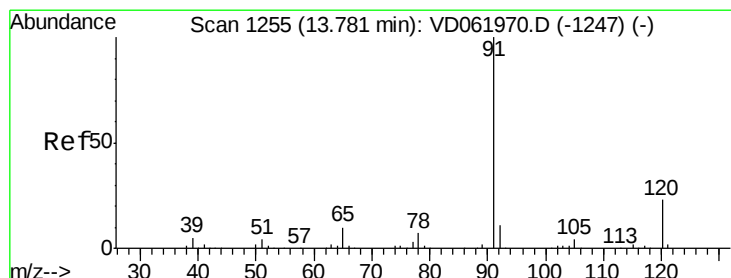
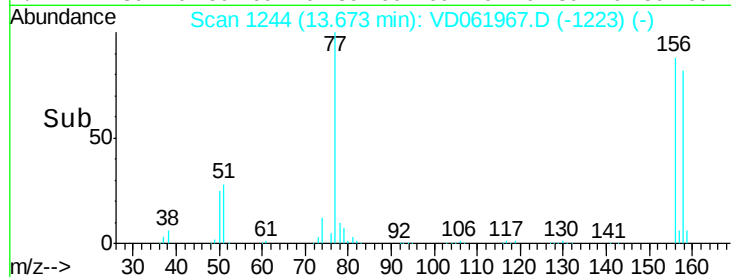
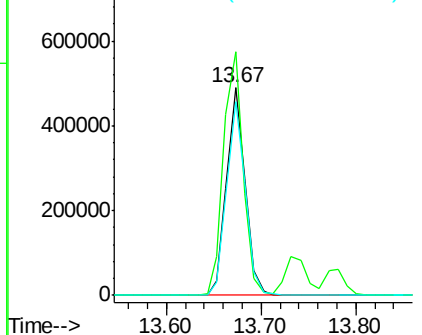
#77
Bromobenzene
Concen: 103.137 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:156 Resp: 664978
Ion Ratio Lower Upper
156 100
77 117.4 53.1 159.4
158 93.3 49.4 148.0

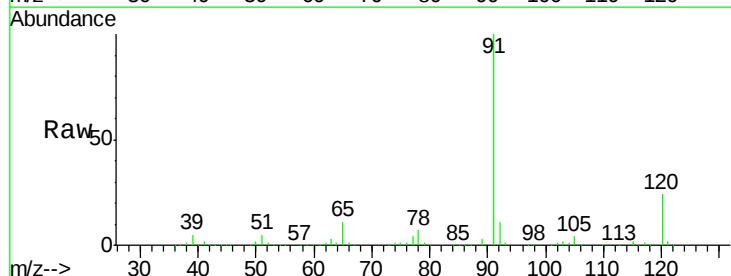


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

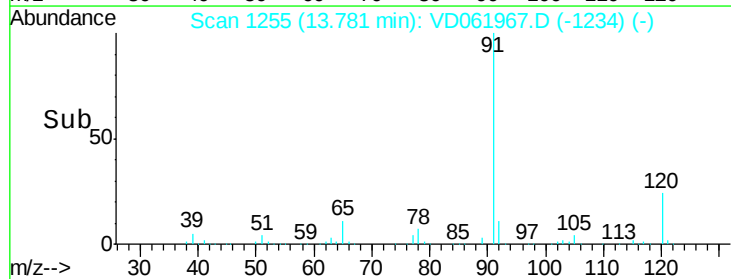
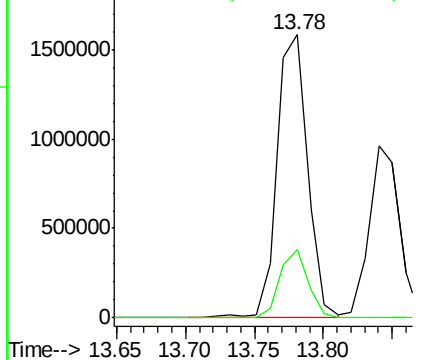


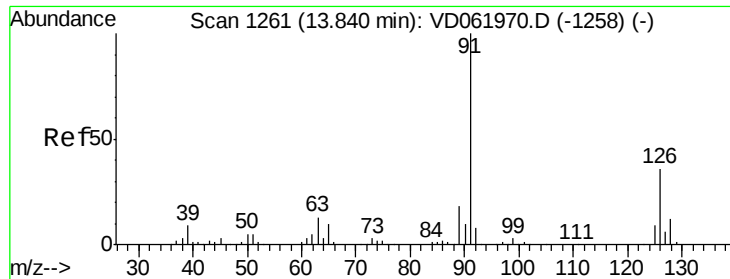
#78
n-propylbenzene
Concen: 92.714 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

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 :

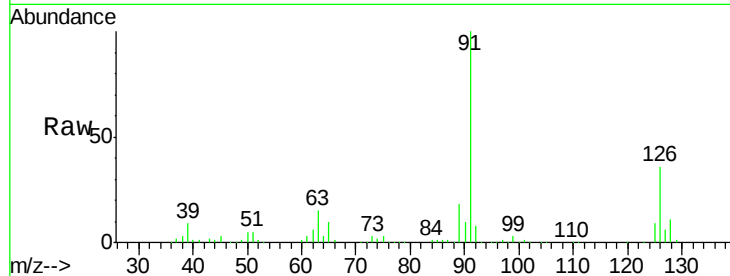
VSTDIC100

Tot Ion: 91 Resp: 1464185

Ion Ratio Lower Upper

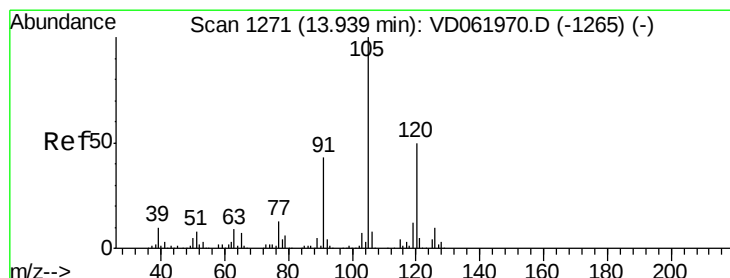
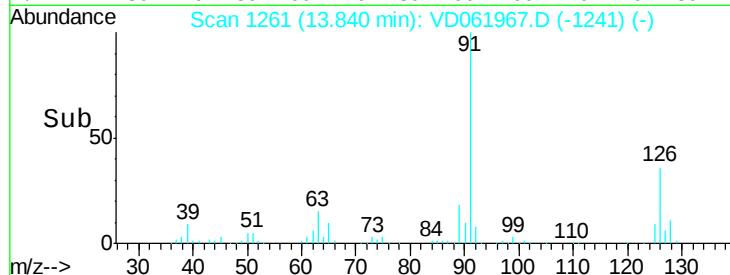
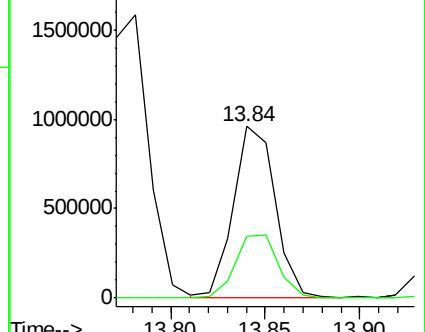
91 100

126 36.1 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)



#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

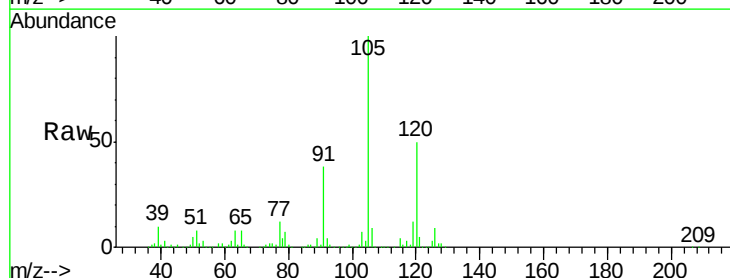
Acq: 23 Apr 2019 12:51

Tgt Ion:105 Resp: 1722300

Ion Ratio Lower Upper

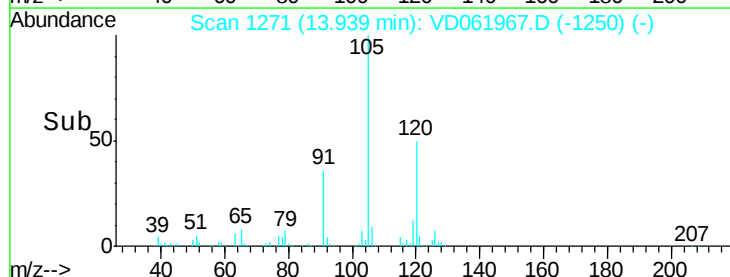
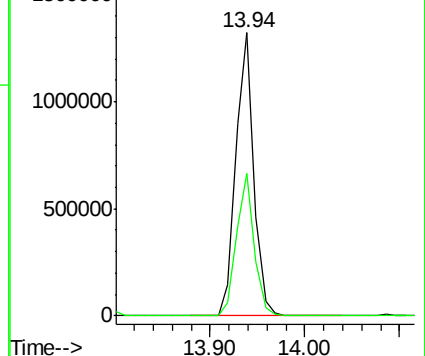
105 100

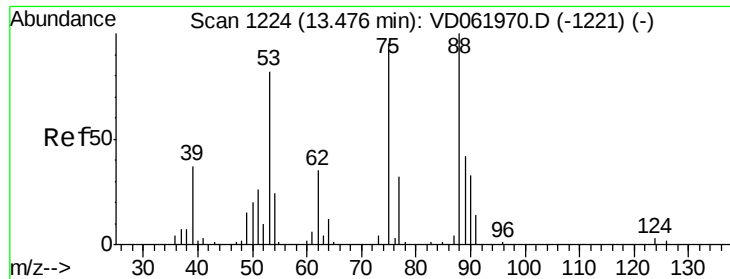
120 50.3 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)

Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)





#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

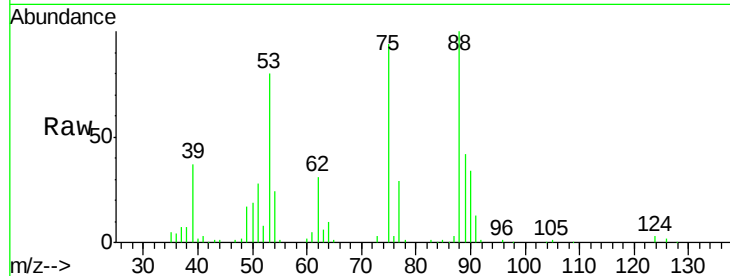
Tot Ion: 75 Resp: 143558

Ion Ratio Lower Upper

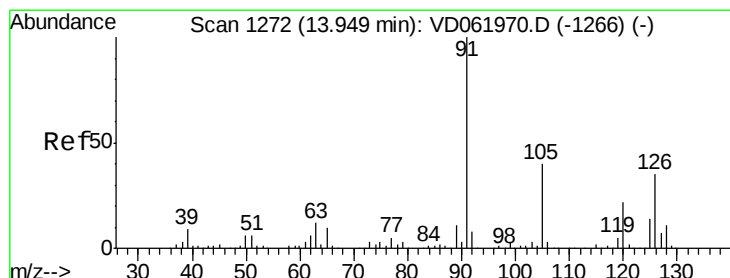
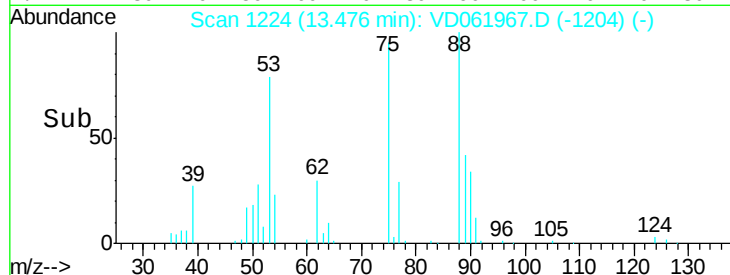
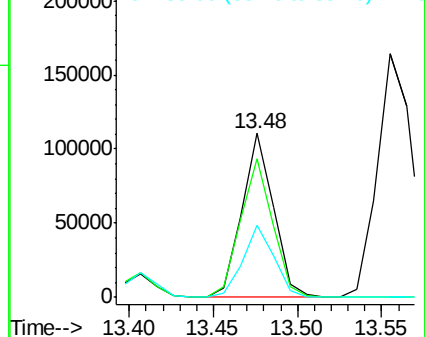
75 100

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

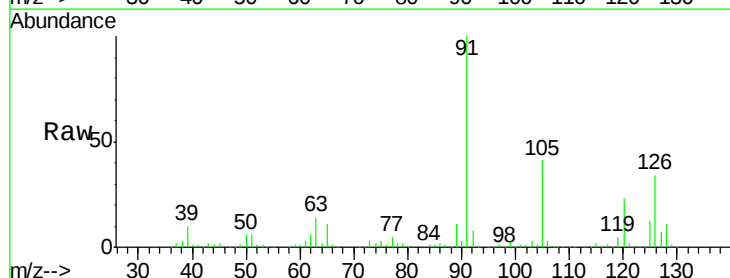
Acq: 23 Apr 2019 12:51

Tgt Ion: 91 Resp: 1611317

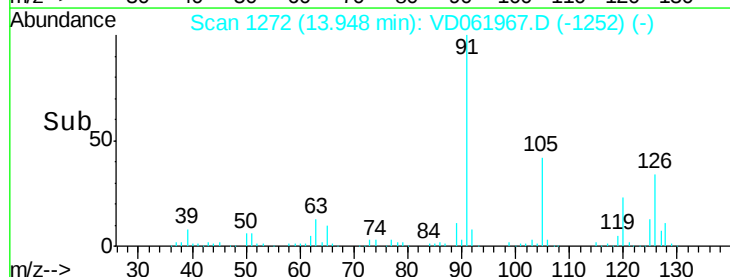
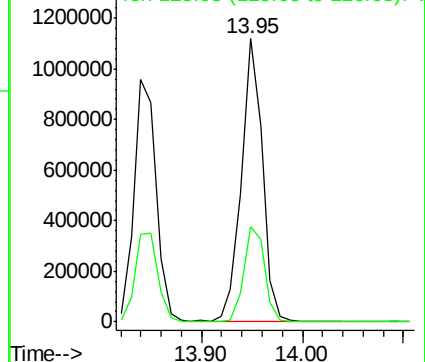
Ion Ratio Lower Upper

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

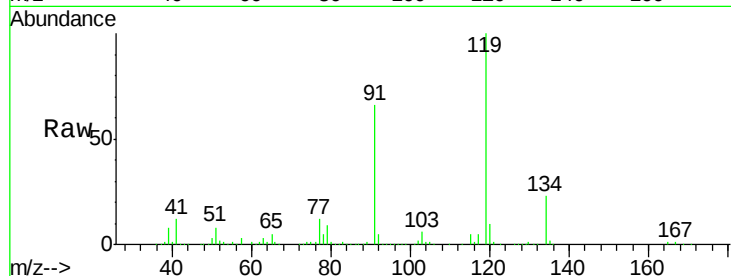
Tot Ion:119 Resp: 2060045

Ion Ratio Lower Upper

119 100

91 65.9 34.2 102.6

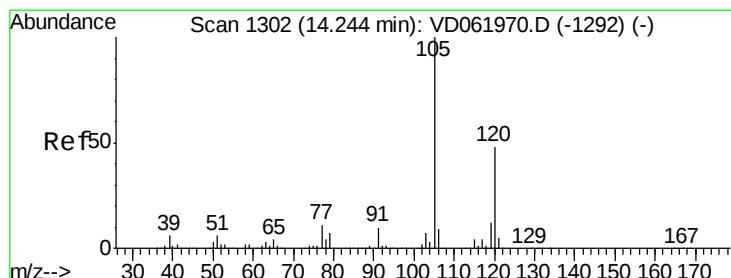
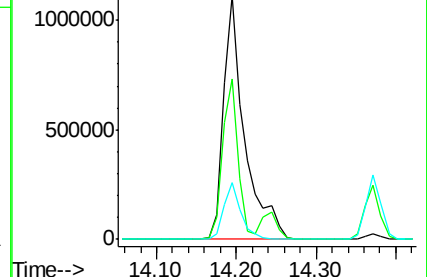
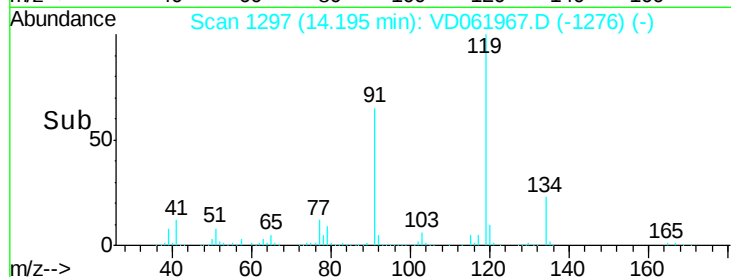
134 23.4 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

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

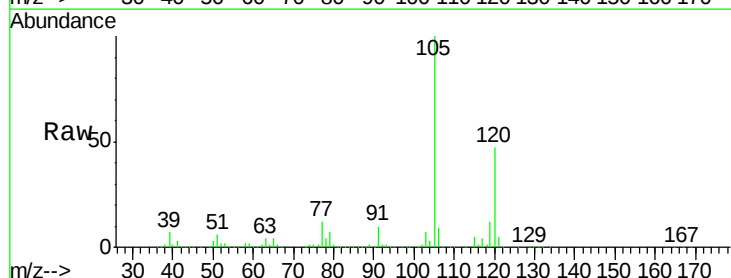
Acq: 23 Apr 2019 12:51

Tgt Ion:105 Resp: 1702645

Ion Ratio Lower Upper

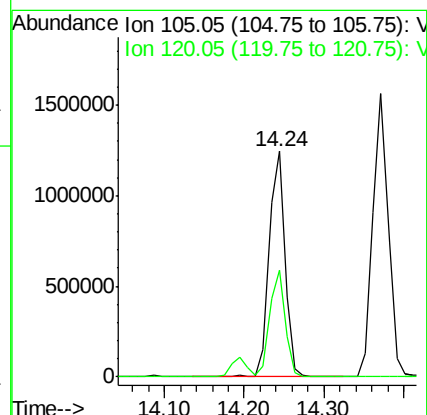
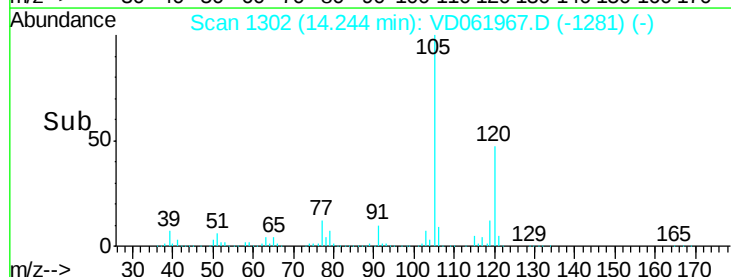
105 100

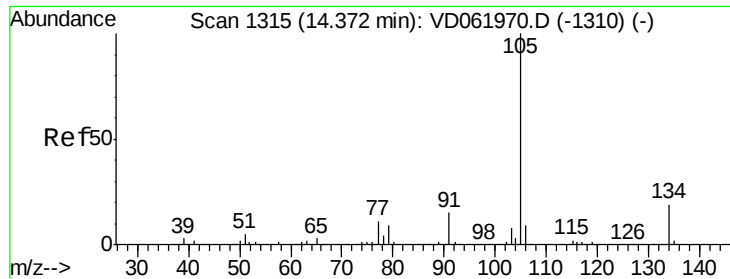
120 47.5 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

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 :

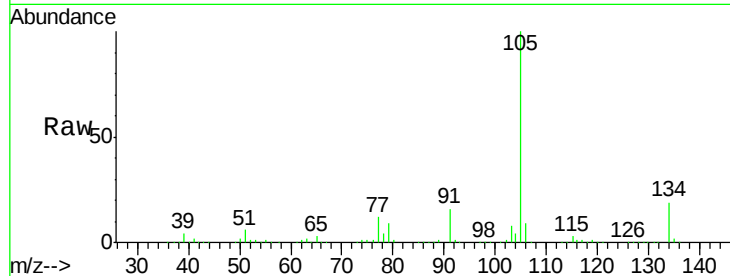
VSTDIC100

Tot Ion:105 Resp: 2056631

Ion Ratio Lower Upper

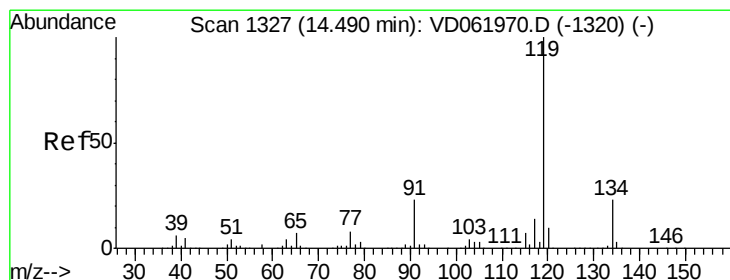
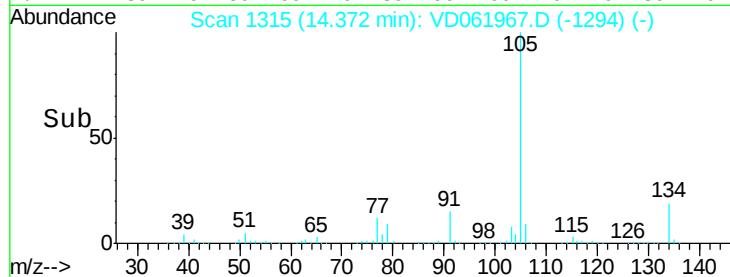
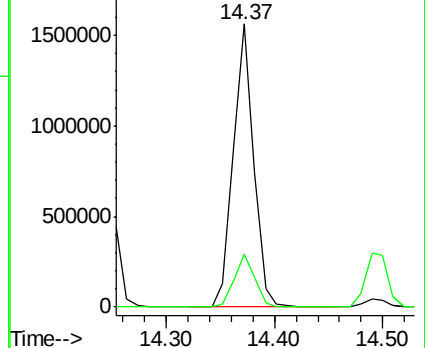
105 100

134 18.9 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 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

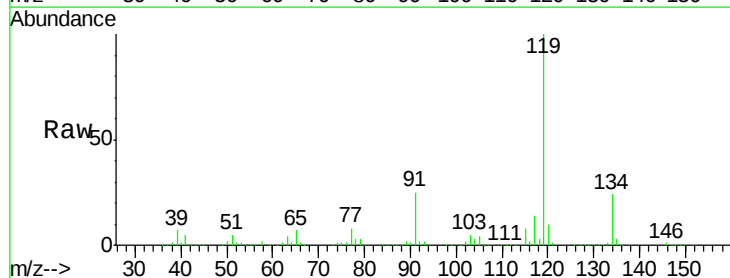
Tgt Ion:119 Resp: 1765000

Ion Ratio Lower Upper

119 100

134 24.1 12.8 38.3

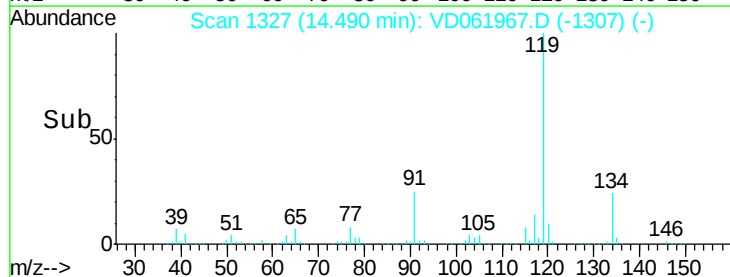
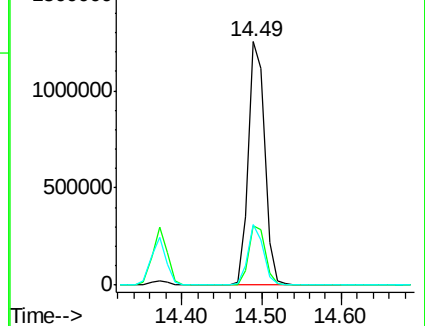
91 25.1 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

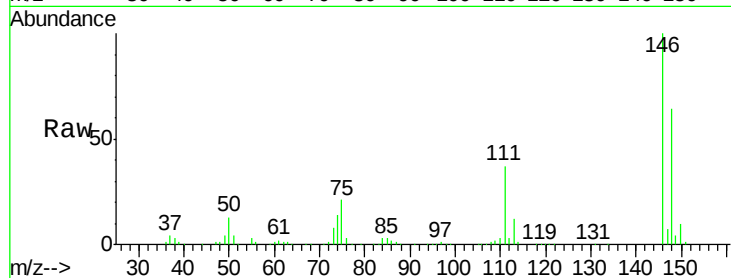




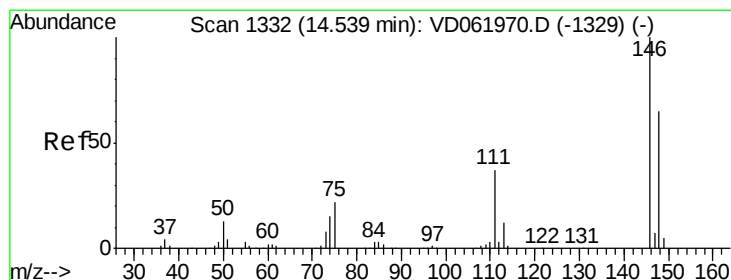
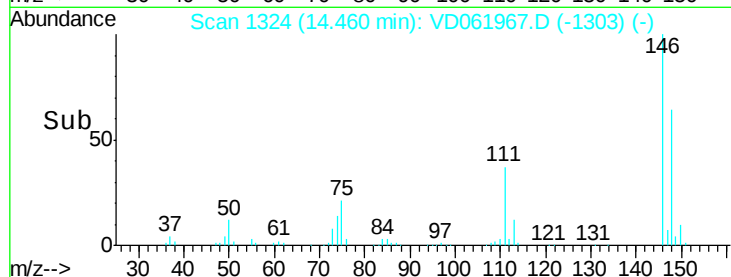
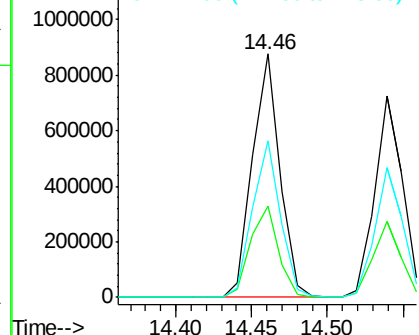
#87
 1,3-Dichlorobenzene
 Concen: 95.341 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

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

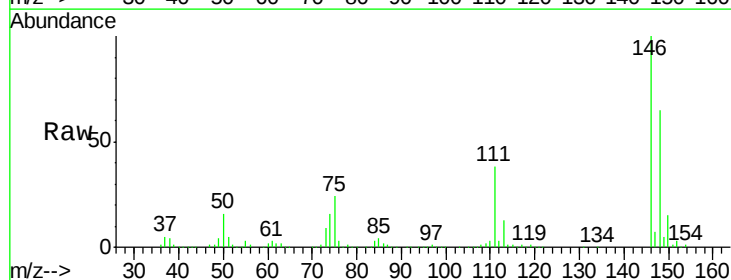


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

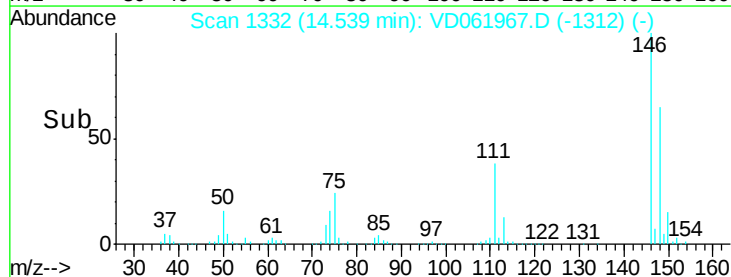
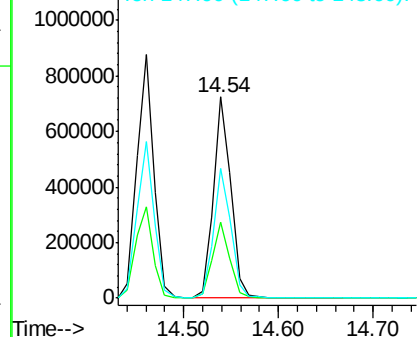


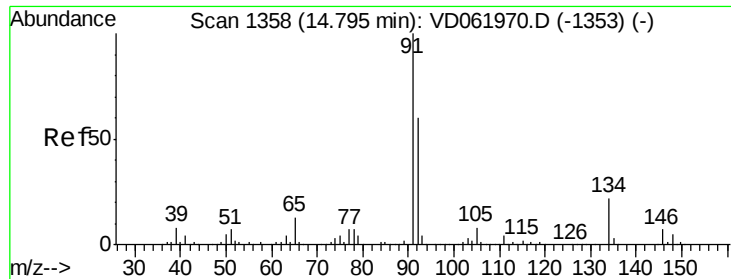
#88
 1,4-Dichlorobenzene
 Concen: 85.284 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

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



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





#89

n-Butylbenzene

Concen: 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

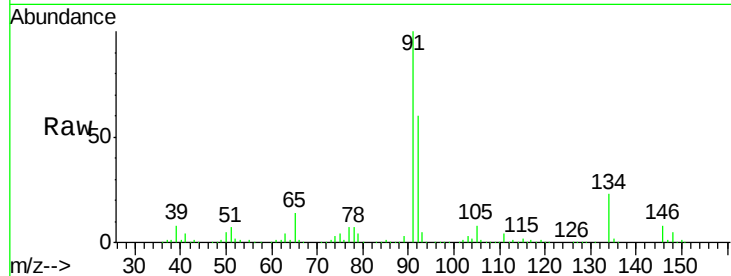
Tot Ion: 91 Resp: 1543567

Ion Ratio Lower Upper

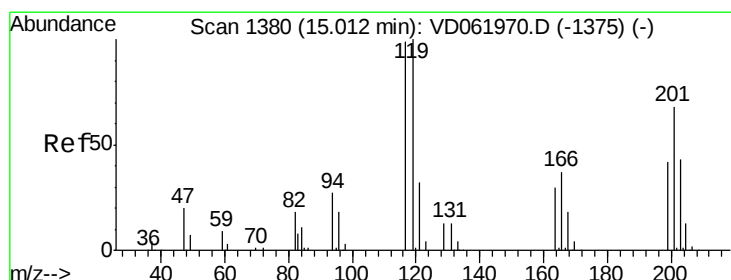
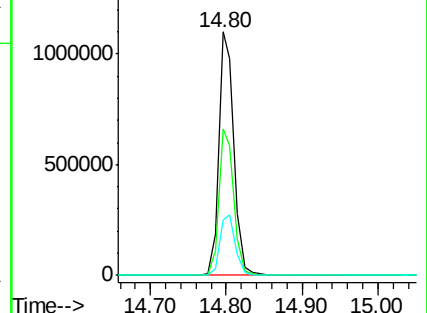
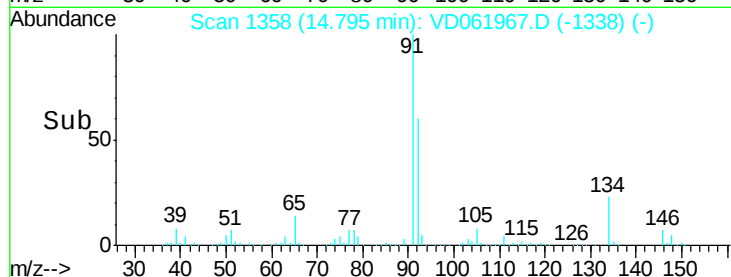
91 100

92 60.2 30.3 91.0

134 22.9 14.5 43.6



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



#90

Hexachloroethane

Concen: 94.040 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD061967.D

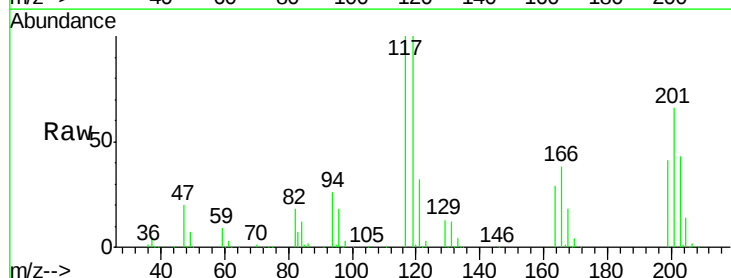
Acq: 23 Apr 2019 12:51

Tgt Ion: 117 Resp: 538529

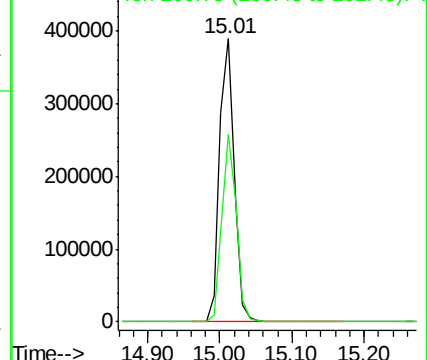
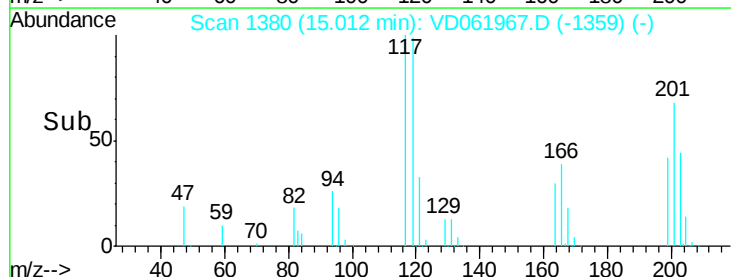
Ion Ratio Lower Upper

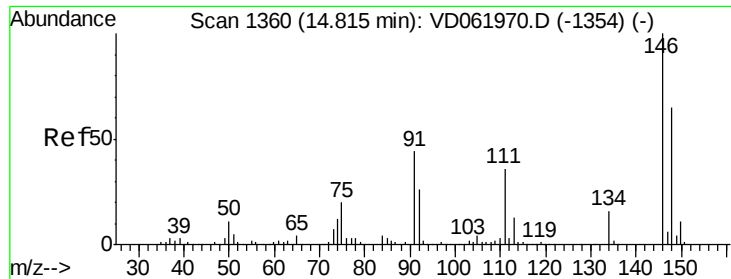
117 100

201 66.1 30.2 90.6



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





#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

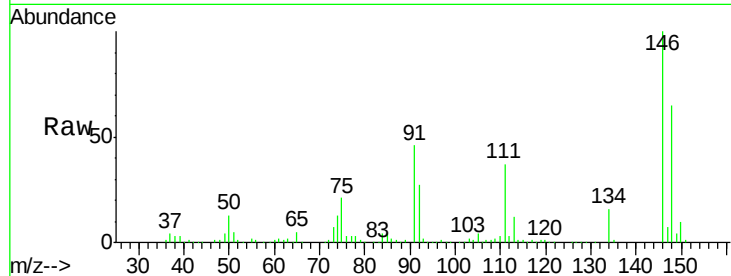
Tot Ion:146 Resp: 807908

Ion Ratio Lower Upper

146 100

111 37.2 20.0 59.9

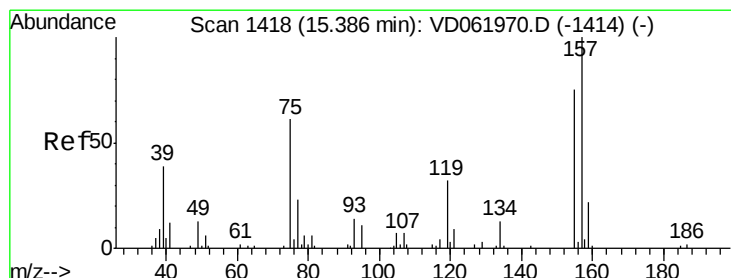
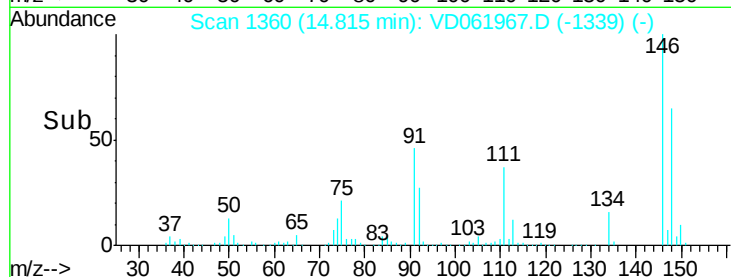
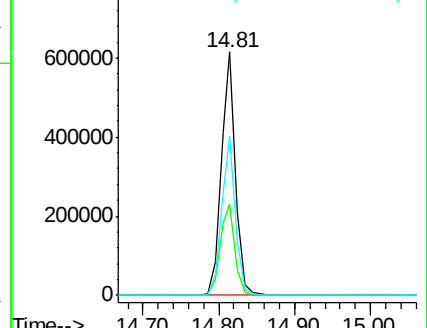
148 65.2 32.3 96.8



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

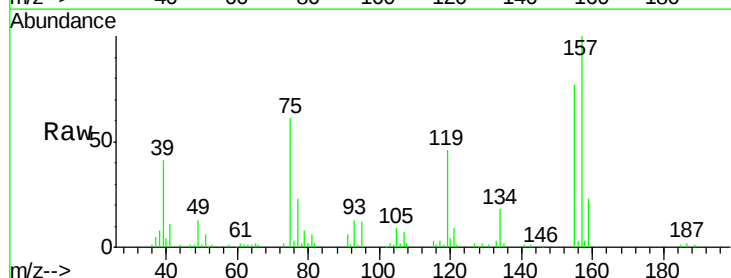
Tgt Ion: 75 Resp: 67131

Ion Ratio Lower Upper

75 100

155 126.3 55.3 165.8

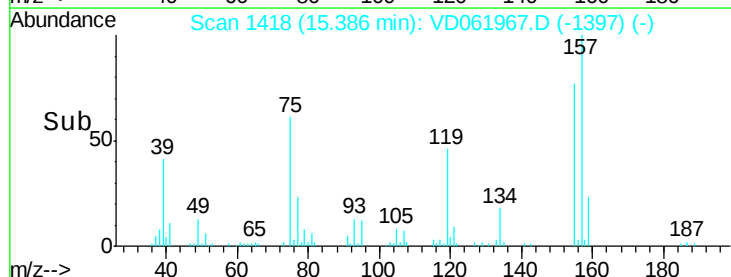
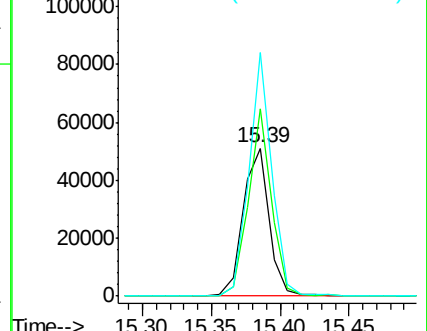
157 164.6 67.8 203.2

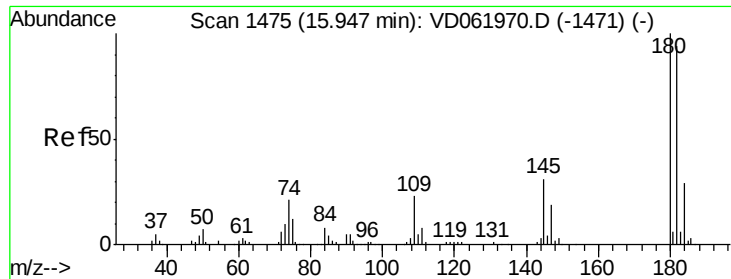


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

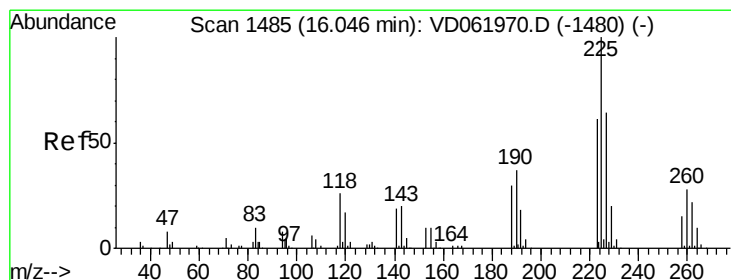
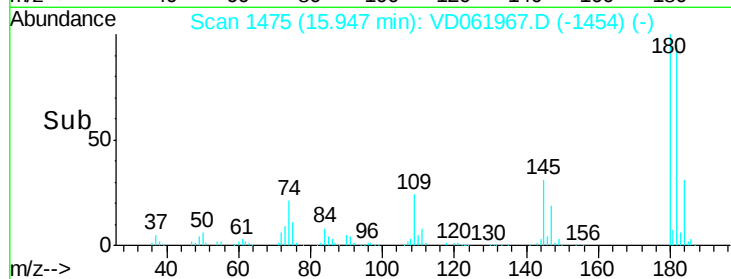
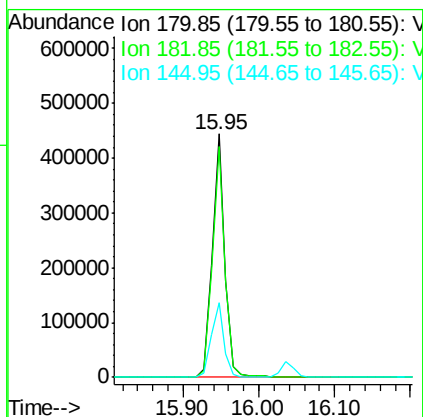
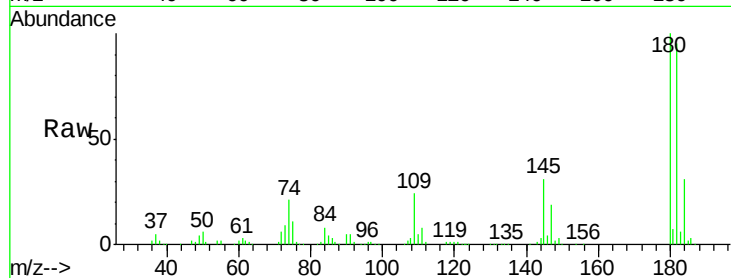




#93
 1,2,4-Trichlorobenzene
 Concen: 103.663 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061967.D
 Acq: 23 Apr 2019 12:51

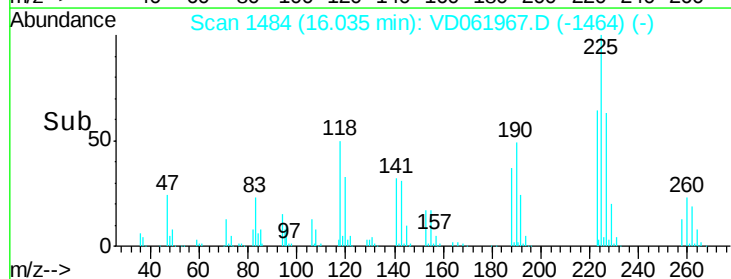
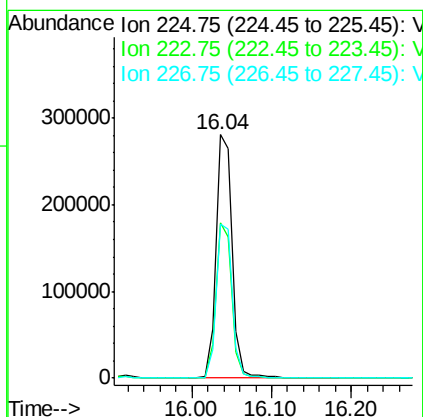
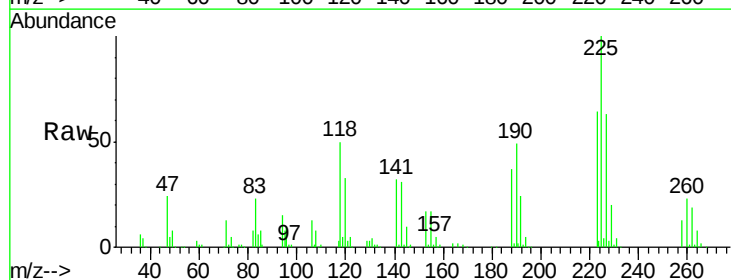
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

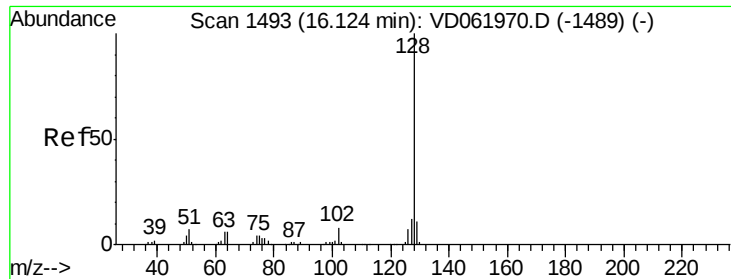
Tot Ion:180 Resp: 519640
 Ion Ratio Lower Upper
 180 100
 182 94.7 49.3 147.8
 145 30.7 16.2 48.6



#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

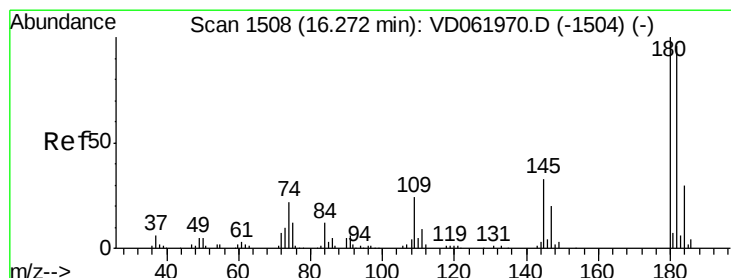
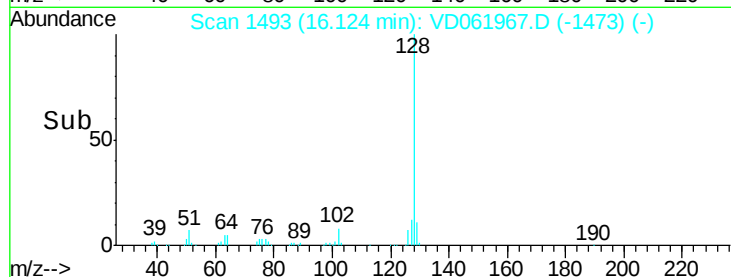
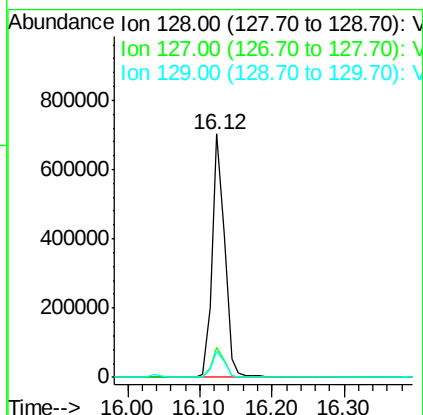
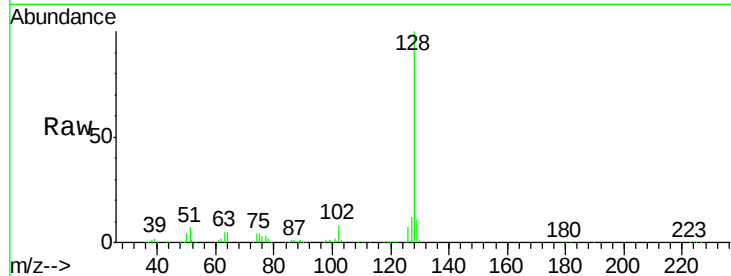




#95
Naphthalene
Concen: 104.555 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061967.D
Acq: 23 Apr 2019 12:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot 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

