

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050619\
 Data File : VD062124.D
 Acq On : 6 May 2019 11:43
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 07 05:07:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	494227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	781760	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	653592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	332978	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	220061	56.89	ug/l	0.00
Spiked Amount			Recovery	=	113.78%	
35) Dibromofluoromethane	6.93	113	314529	58.17	ug/l	0.00
Spiked Amount			Recovery	=	116.34%	
50) Toluene-d8	10.40	98	729084	56.67	ug/l	-0.01
Spiked Amount			Recovery	=	113.34%	
62) 4-Bromofluorobenzene	13.55	95	299226	57.99	ug/l	0.00
Spiked Amount			Recovery	=	115.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	206073	46.696	ug/l	99
3) Chloromethane	1.75	50	152350	40.618	ug/l	97
4) Vinyl Chloride	1.85	62	159205	46.830	ug/l	98
5) Bromomethane	2.15	94	50371	58.368	ug/l	98
6) Chloroethane	2.26	64	61442	49.998	ug/l	97
7) Trichlorofluoromethane	2.53	101	275584	53.614	ug/l	99
8) Diethyl Ether	2.86	74	58395	42.388	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.15	101	237591	50.177	ug/l	95
10) Methyl Iodide	3.31	142	323862	45.448	ug/l	96
11) Tert butyl alcohol	4.04	59	56628	259.108	ug/l #	94
12) 1,1-Dichloroethene	3.13	96	183403	45.527	ug/l	95
13) Acrolein	3.03	56	60698	267.676	ug/l	99
14) Allyl chloride	3.62	41	245995	44.719	ug/l	92
15) Acrylonitrile	4.19	53	151892	224.444	ug/l	91
16) Acetone	3.22	43	258718	280.123	ug/l	97
17) Carbon Disulfide	3.38	76	505083	43.388	ug/l	98
18) Methyl Acetate	3.64	43	79993	47.656	ug/l	93
19) Methyl tert-butyl Ether	4.23	73	378273	47.325	ug/l	96
20) Methylene Chloride	3.82	84	202007	44.582	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	209171	45.262	ug/l	94
22) Diisopropyl ether	5.12	45	570568	44.426	ug/l	97
23) Vinyl Acetate	5.06	43	1533401	229.269	ug/l	100
24) 1,1-Dichloroethane	4.98	63	360480	46.439	ug/l	100
25) 2-Butanone	6.07	43	248457	221.880	ug/l	97
26) 2,2-Dichloropropane	6.02	77	339128	50.078	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	230419	43.828	ug/l	94
28) Bromochloromethane	6.44	49	150981	50.833	ug/l	99
29) Tetrahydrofuran	6.46	42	108354	196.384	ug/l	94
30) Chloroform	6.66	83	399511	45.312	ug/l	99
31) Cyclohexane	6.96	56	247232	42.910	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	376916	49.133	ug/l	97
36) 1,1-Dichloropropene	7.15	75	290142	47.636	ug/l	98
37) Ethyl Acetate	6.18	43	116209	44.774	ug/l	97
38) Carbon Tetrachloride	7.11	117	439501	56.945	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	272000	45.263	ug/l	99
40) Benzene	7.46	78	681265	45.181	ug/l	100
41) Methacrylonitrile	6.44	41	139120	45.939	ug/l #	88
42) 1,2-Dichloroethane	7.58	62	254037	49.619	ug/l	99
43) Isopropyl Acetate	9.24	43	163574	43.133	ug/l #	97
44) Trichloroethene	8.54	130	277132	47.407	ug/l	99
45) 1,2-Dichloropropane	8.94	63	180131	47.089	ug/l	98
46) Dibromomethane	9.07	93	132207	48.031	ug/l	90
47) Bromodichloromethane	9.38	83	323134	49.684	ug/l	99
48) Methyl methacrylate	9.11	41	103318	47.750	ug/l	93
49) 1,4-Dioxane	9.08	88	23076	989.202	ug/l	97
51) 4-Methyl-2-Pentanone	10.30	43	576453	248.551	ug/l	99
52) Toluene	10.51	92	491976	51.171	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	273706	50.137	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	339865	51.187	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	163793	50.745	ug/l	98
56) Ethyl methacrylate	11.04	69	171959	48.102	ug/l	98
57) 1,3-Dichloropropane	11.41	76	245572	49.260	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	458287	275.735	ug/l	96
59) 2-Hexanone	11.53	43	446103	256.415	ug/l	98
60) Dibromochloromethane	11.68	129	293434	54.943	ug/l	97
61) 1,2-Dibromoethane	11.80	107	203711	53.203	ug/l	95
64) Tetrachloroethene	11.26	164	219238	47.022	ug/l	99
65) Chlorobenzene	12.40	112	582340	47.151	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	260831	49.788	ug/l	95
67) Ethyl Benzene	12.52	91	994192	49.319	ug/l	98
68) m/p-Xylenes	12.67	106	697115	95.681	ug/l	99
69) o-Xylene	13.05	106	330796	49.622	ug/l	97
70) Styrene	13.07	104	567015	49.260	ug/l	98
71) Bromoform	13.24	173	163935	54.888	ug/l #	97
73) Isopropylbenzene	13.41	105	1001743	45.099	ug/l	98
74) N-amyl acetate	13.27	43	224865	39.310	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	181402	41.676	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	193321	45.720	ug/l	96
77) Bromobenzene	13.67	156	276202	43.347	ug/l	97
78) n-propylbenzene	13.77	91	1122032	44.127	ug/l	97
79) 2-Chlorotoluene	13.84	91	654726	42.510	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	776071	43.819	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	58648	45.771	ug/l	93
82) 4-Chlorotoluene	13.95	91	705714	41.606	ug/l	97
83) tert-Butylbenzene	14.19	119	933320	45.490	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	822019	48.608	ug/l	97
85) sec-Butylbenzene	14.37	105	1022979	46.145	ug/l	97
86) p-Isopropyltoluene	14.49	119	915714	46.153	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	488169	43.749	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	496031	47.534	ug/l	95
89) n-Butylbenzene	14.79	91	776720	43.605	ug/l	96
90) Hexachloroethane	15.01	117	229179	42.717	ug/l	86
91) 1,2-Dichlorobenzene	14.80	146	408863	44.420	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	27845	43.652	ug/l	87

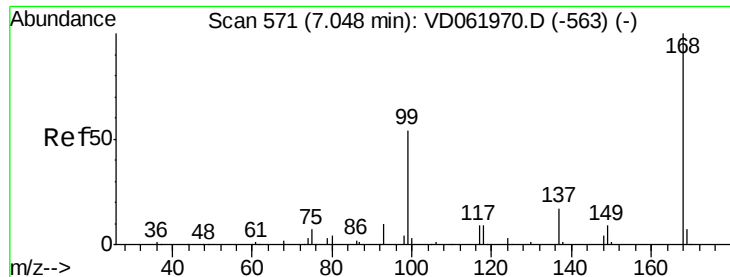
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	211700	42.627	ug/l	98
94) Hexachlorobutadiene	16.04	225	163652	44.528	ug/l	96
95) Naphthalene	16.12	128	358119	44.661	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	132123	46.889	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: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

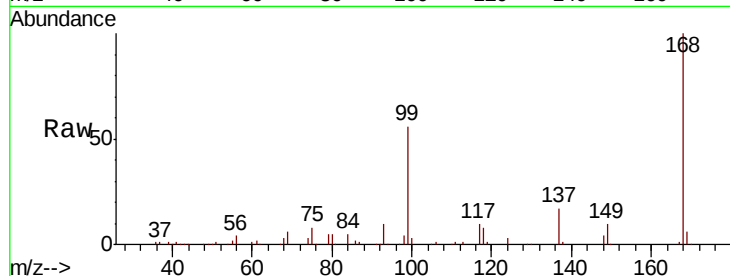
VSTDCCC050

Tot Ion:168 Resp: 494227

Ion Ratio Lower Upper

168 100

99 56.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

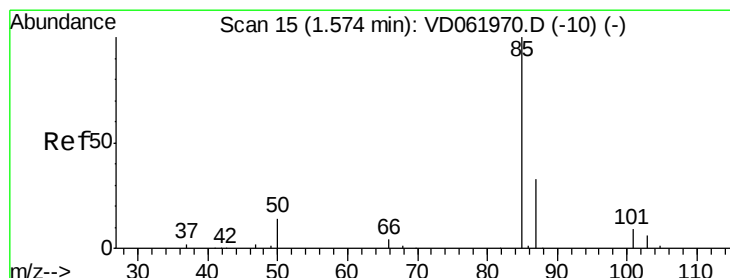
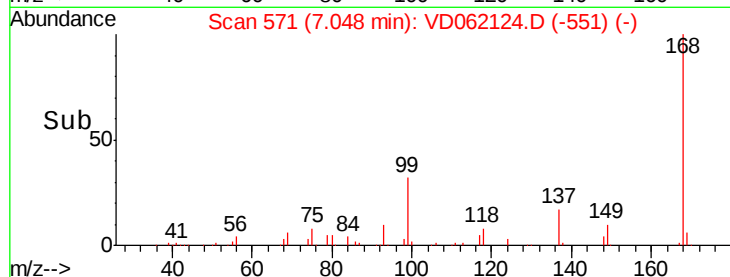
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50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 46.696 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD062124.D

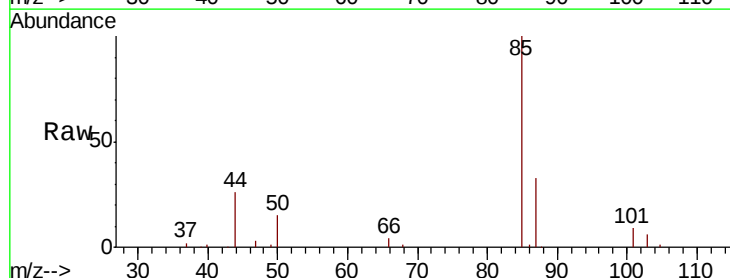
Acq: 6 May 2019 11:43

Tgt Ion: 85 Resp: 206073

Ion Ratio Lower Upper

85 100

87 33.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

100000

80000

60000

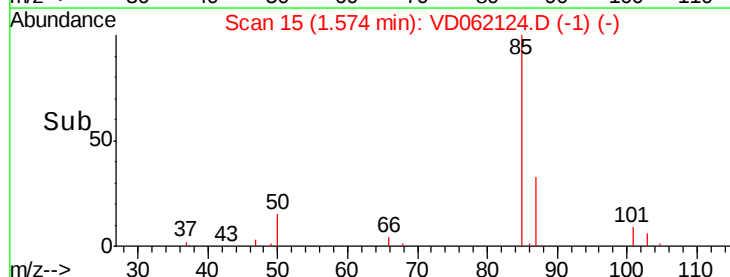
40000

20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 40.618 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

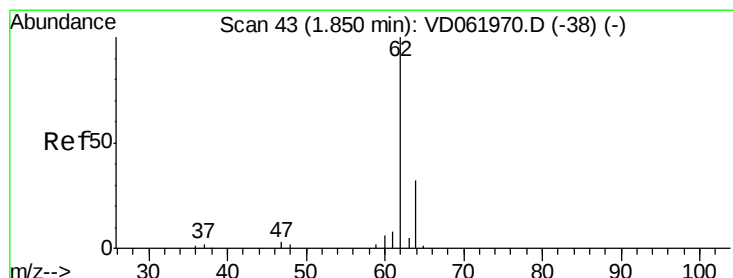
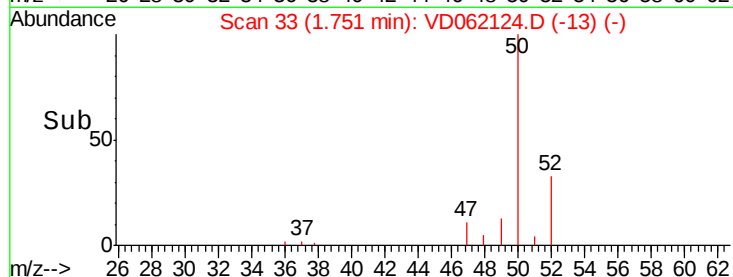
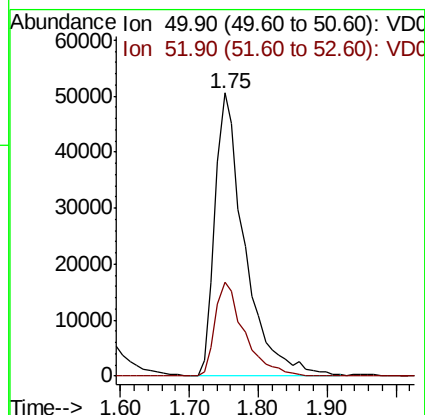
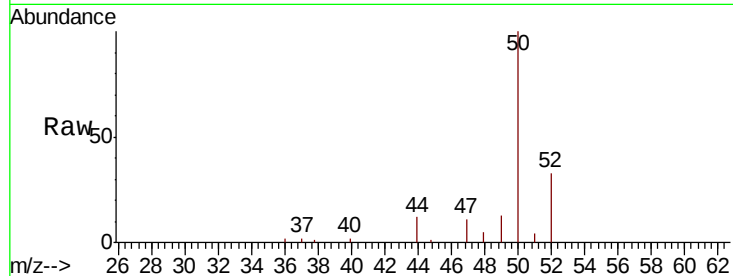
VSTDCCC050

Tot Ion: 50 Resp: 152350

Ion Ratio Lower Upper

50 100

52 33.2 25.2 37.8



#4

Vinyl Chloride

Concen: 46.830 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD062124.D

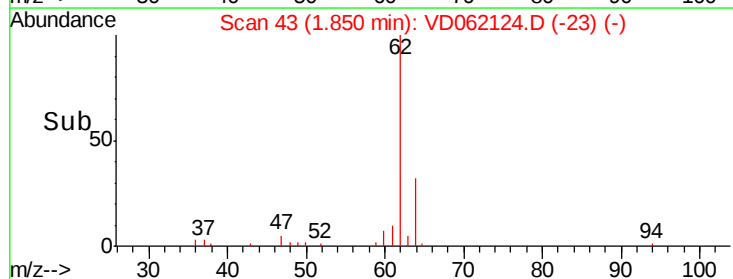
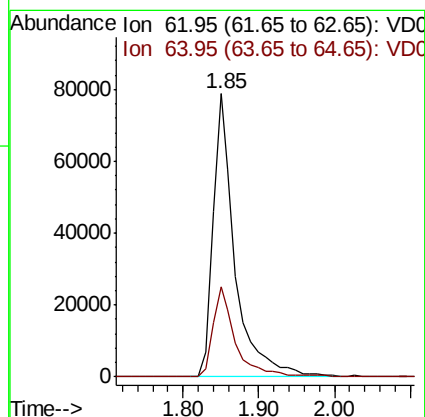
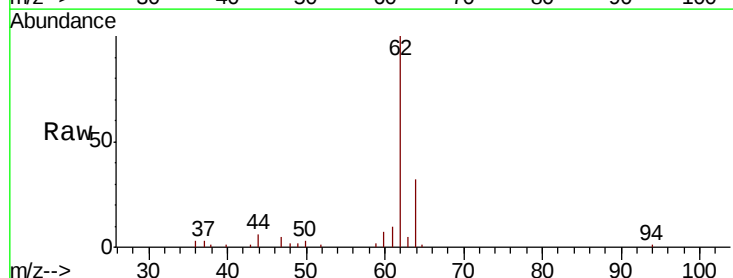
Acq: 6 May 2019 11:43

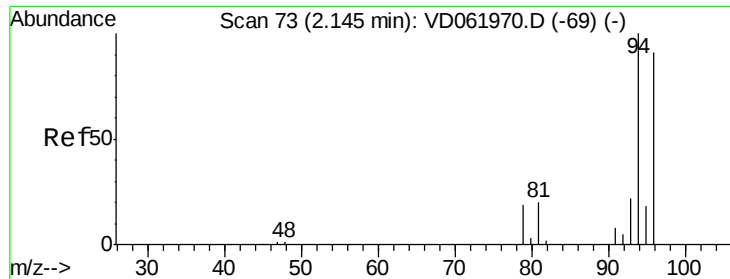
Tgt Ion: 62 Resp: 159205

Ion Ratio Lower Upper

62 100

64 31.7 26.5 39.7





#5

Bromomethane

Concen: 58.368 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

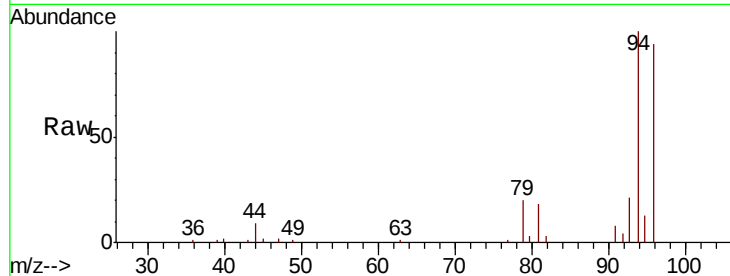
Tot Ion: 94 Resp: 50371

Ion Ratio Lower Upper

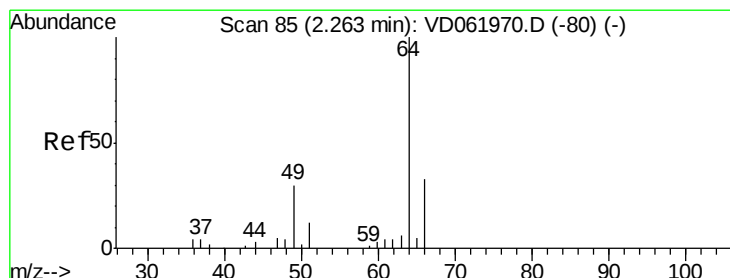
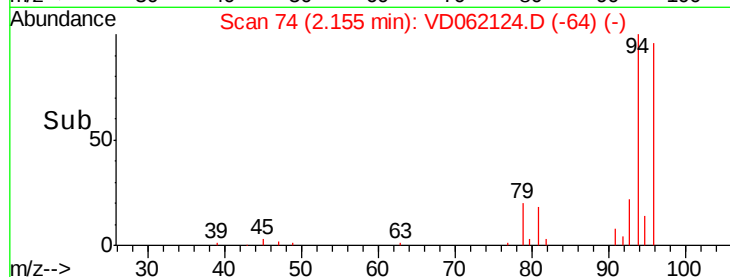
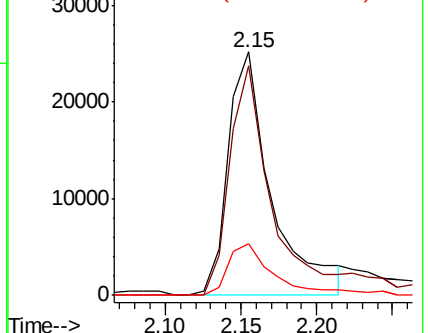
94 100

96 94.2 76.6 115.0

93 21.4 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 49.998 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD062124.D

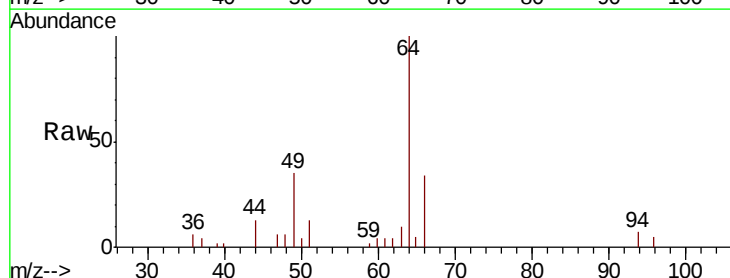
Acq: 6 May 2019 11:43

Tgt Ion: 64 Resp: 61442

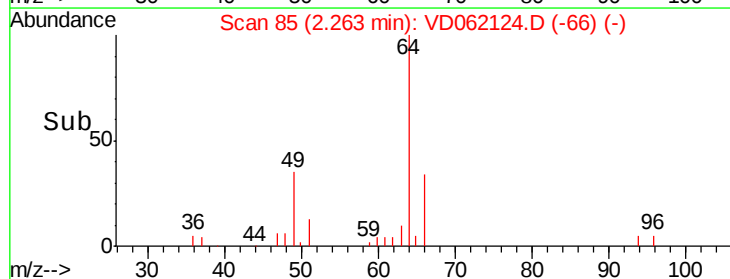
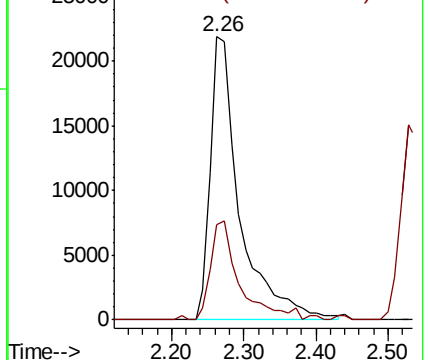
Ion Ratio Lower Upper

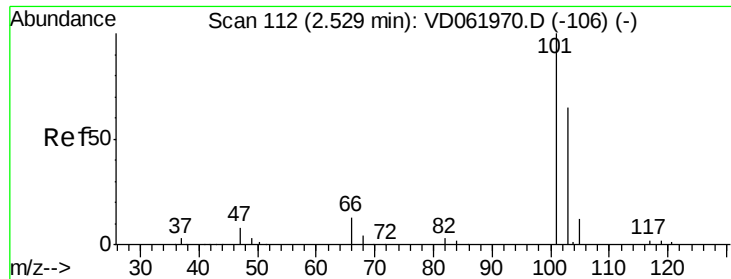
64 100

66 33.7 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



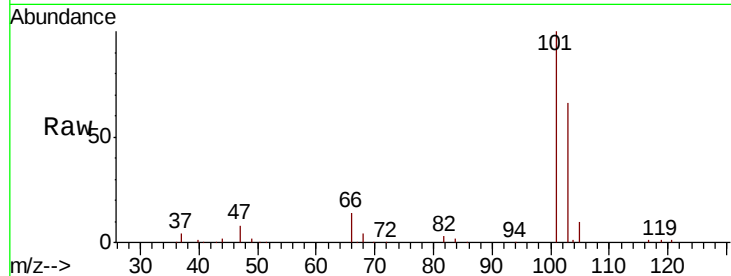


#7

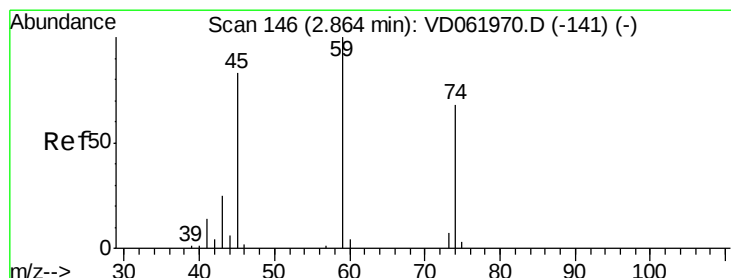
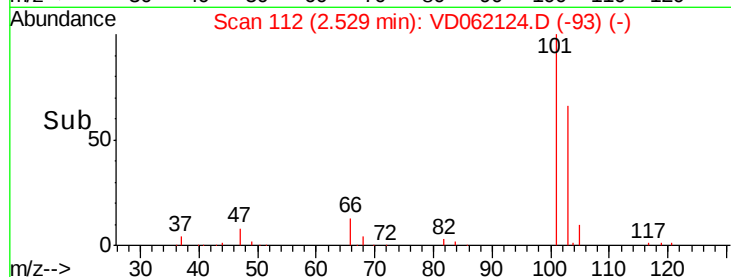
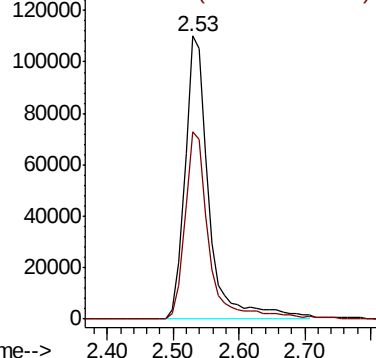
Trichlorofluoromethane
Concen: 53.614 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 275584
Ion Ratio Lower Upper
101 100
103 66.3 53.6 80.4



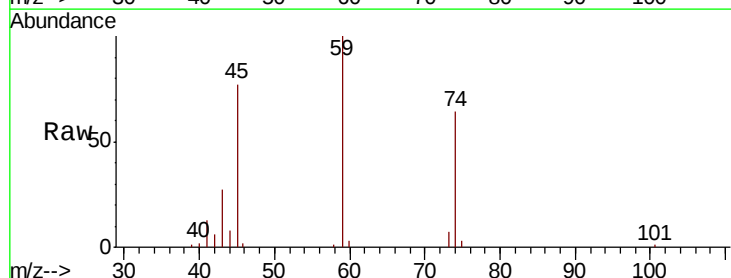
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



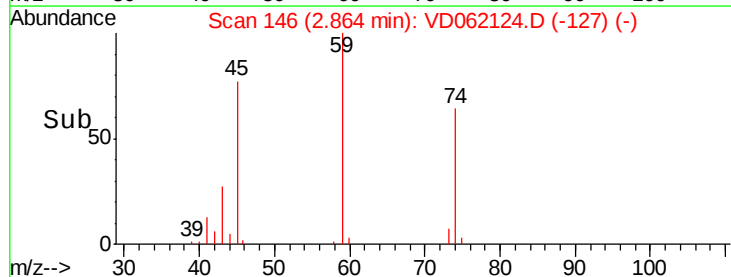
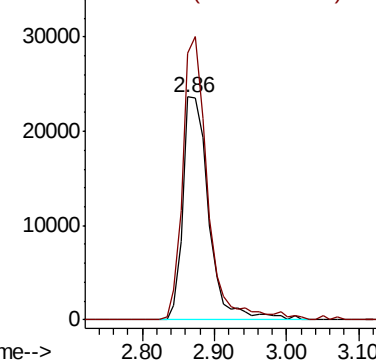
#8

Diethyl Ether
Concen: 42.388 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.01 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Tgt Ion: 74 Resp: 58395
Ion Ratio Lower Upper
74 100
45 119.6 56.9 170.7



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

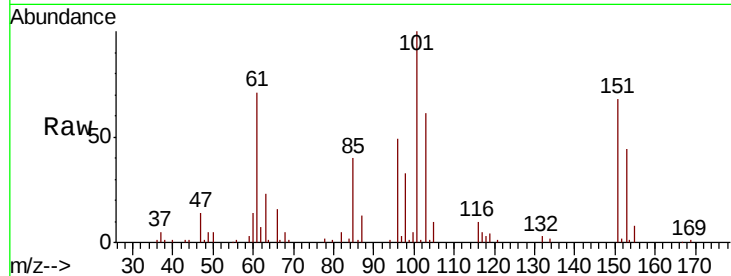




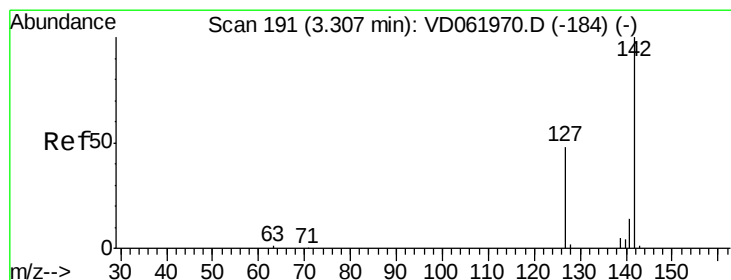
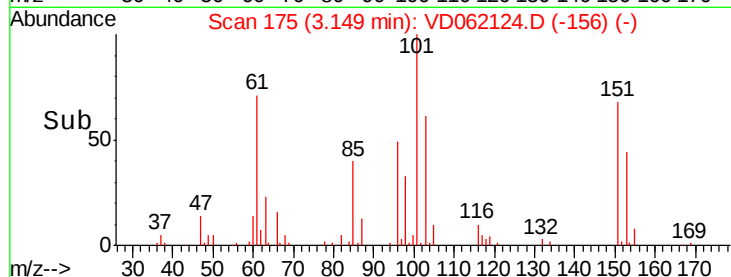
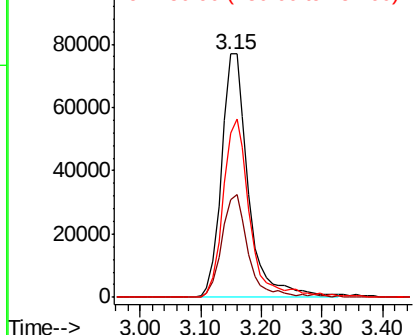
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.177 ug/l
 RT: 3.15 min Scan# 175
 Delta R.T. -0.01 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 237591
 Ion Ratio Lower Upper
 101 100
 85 40.3 32.4 48.6
 151 67.6 59.4 89.0

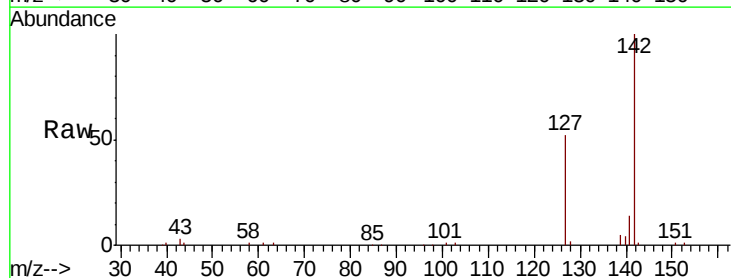


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

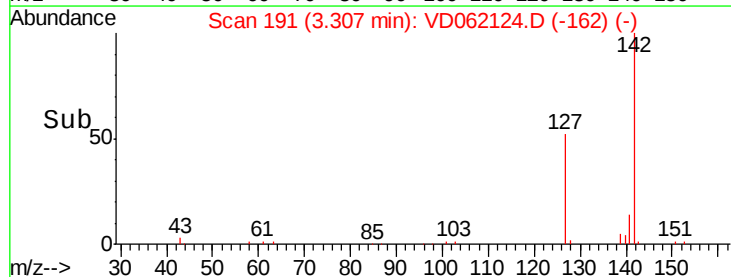
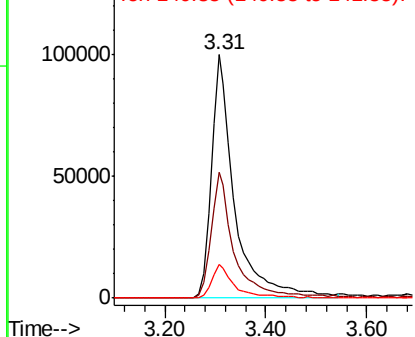


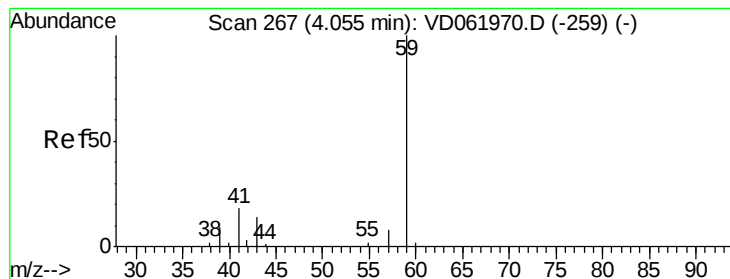
#10
 Methyl Iodide
 Concen: 45.448 ug/l
 RT: 3.31 min Scan# 191
 Delta R.T. -0.01 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

Tgt Ion:142 Resp: 323862
 Ion Ratio Lower Upper
 142 100
 127 51.6 38.8 58.2
 141 13.8 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



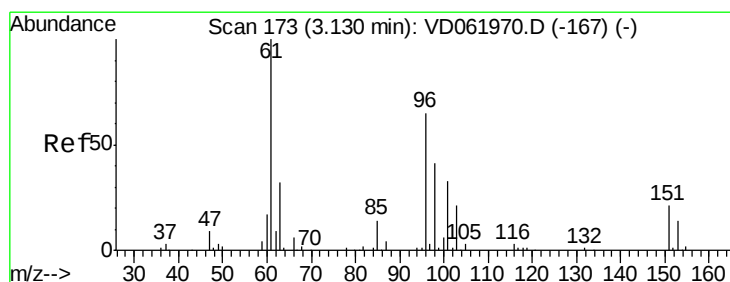
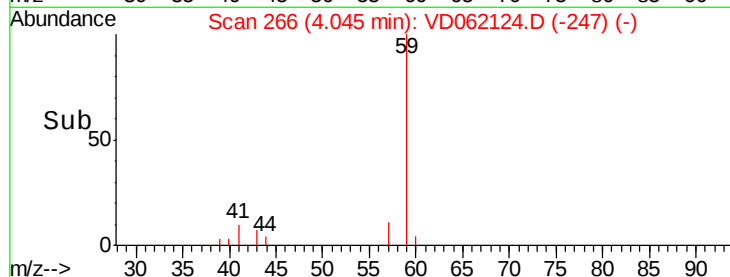
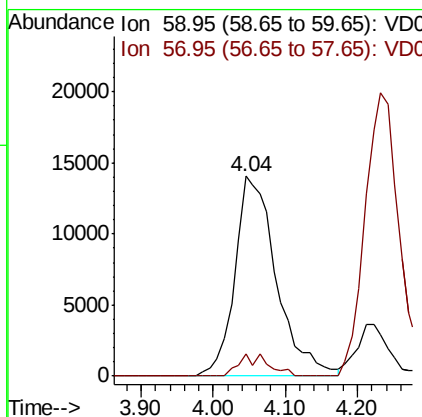
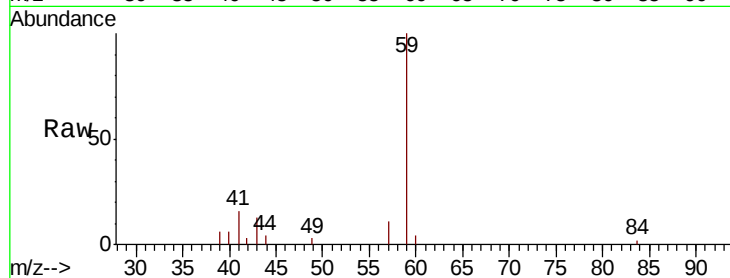


#11

Tert butyl alcohol
 Concen: 259.108 ug/l
 RT: 4.04 min Scan# 266
 Delta R.T. -0.01 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

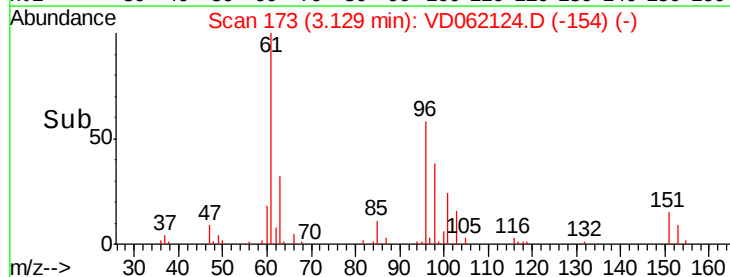
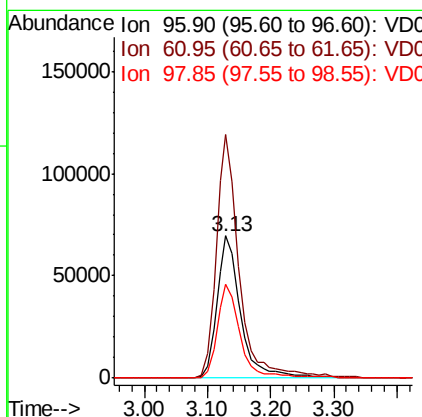
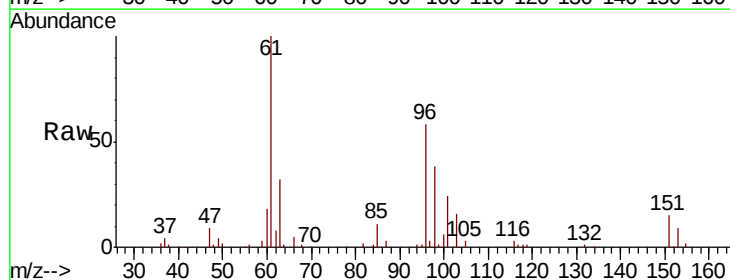
Tot Ion: 59 Resp: 56628
 Ion Ratio Lower Upper
 59 100
 57 10.8 6.9 10.3#

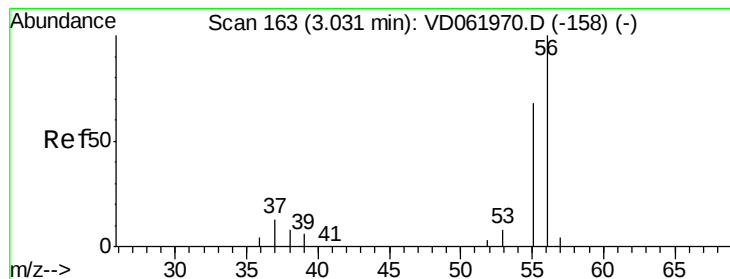


#12

1,1-Dichloroethene
 Concen: 45.527 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

Tgt Ion: 96 Resp: 183403
 Ion Ratio Lower Upper
 96 100
 61 171.0 129.8 194.8
 98 65.5 51.2 76.8





#13

Acrolein

Concen: 267.676 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

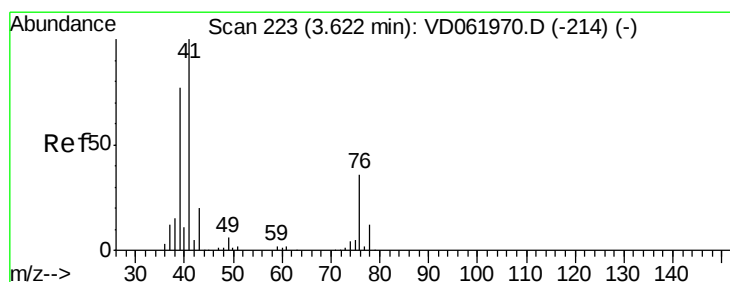
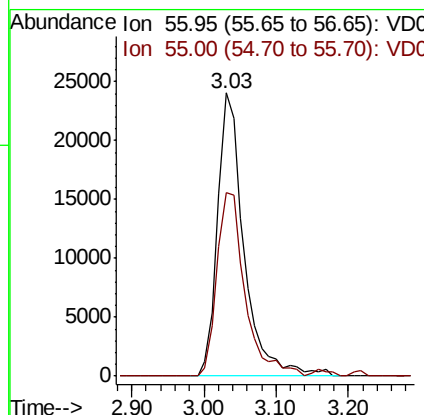
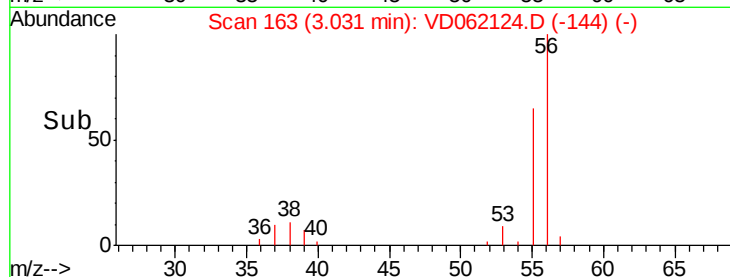
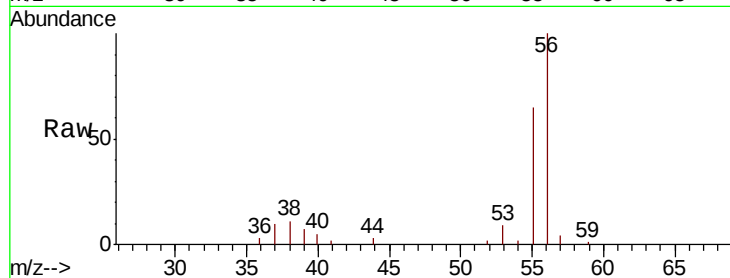
VSTDCCC050

Tot Ion: 56 Resp: 60698

Ion Ratio Lower Upper

56 100

55 65.0 51.4 77.2



#14

Allyl chloride

Concen: 44.719 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

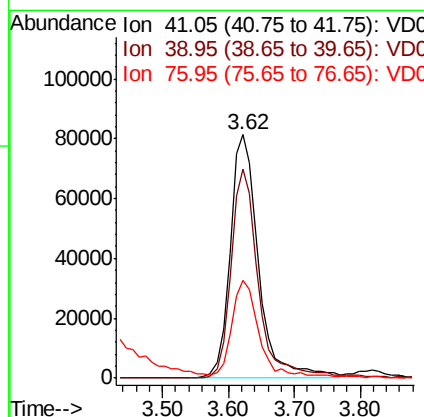
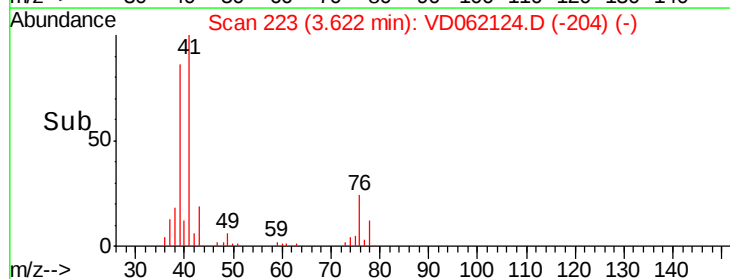
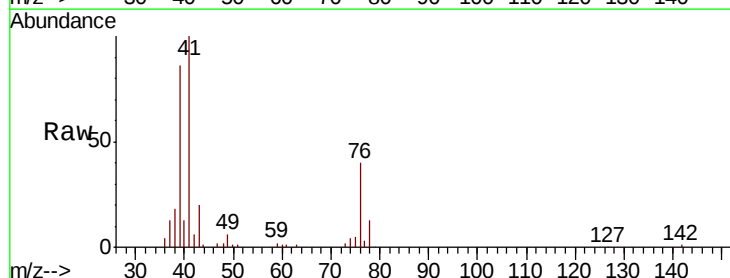
Tgt Ion: 41 Resp: 245995

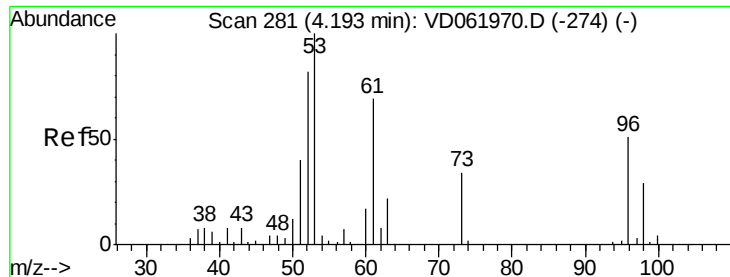
Ion Ratio Lower Upper

41 100

39 86.0 60.5 90.7

76 39.9 31.8 47.8

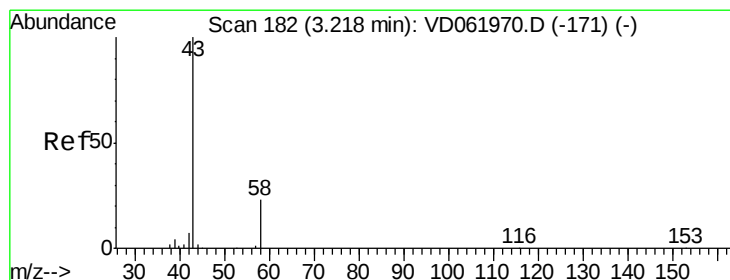
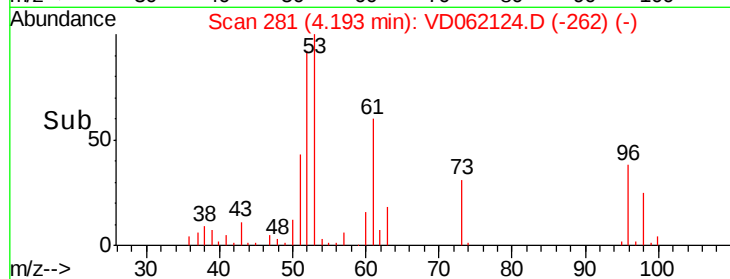
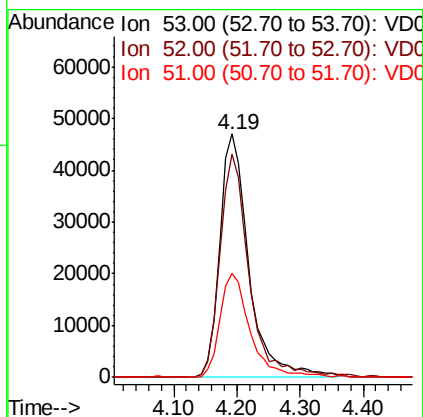
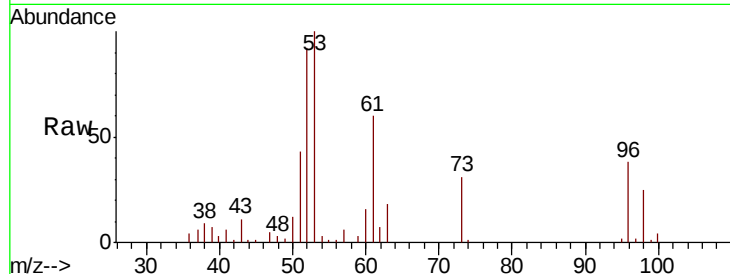




#15
 Acrylonitrile
 Concen: 224.444 ug/l
 RT: 4.19 min Scan# 281
 Delta R.T. -0.01 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

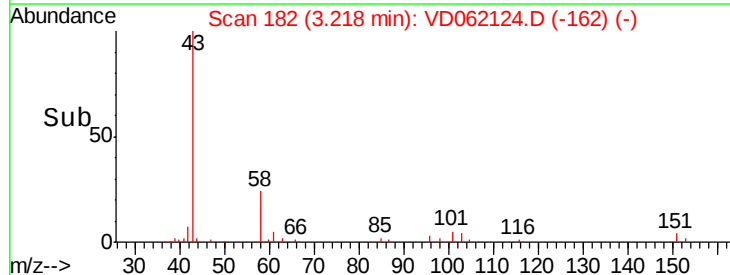
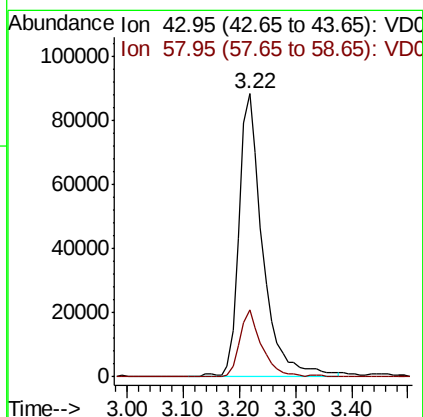
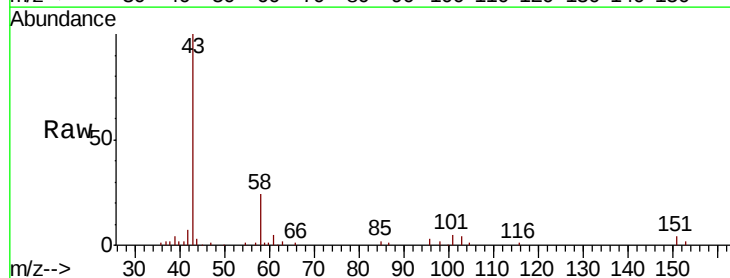
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

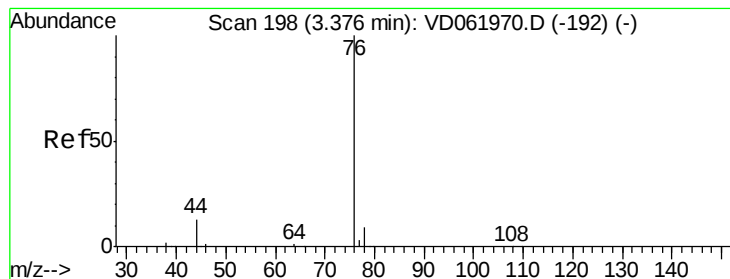
Tot Ion: 53 Resp: 151892
 Ion Ratio Lower Upper
 53 100
 52 91.5 65.0 97.4
 51 42.8 32.6 48.8



#16
 Acetone
 Concen: 280.123 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

Tgt Ion: 43 Resp: 258718
 Ion Ratio Lower Upper
 43 100
 58 23.6 19.9 29.9





#17

Carbon Disulfide

Concen: 43.388 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

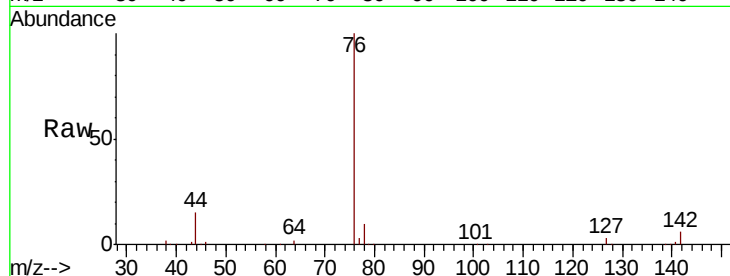
VSTDCCC050

Tot Ion: 76 Resp: 505083

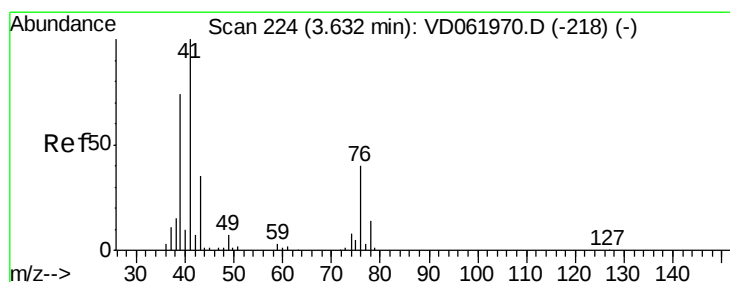
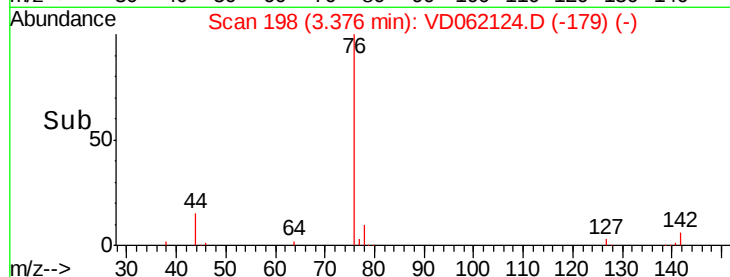
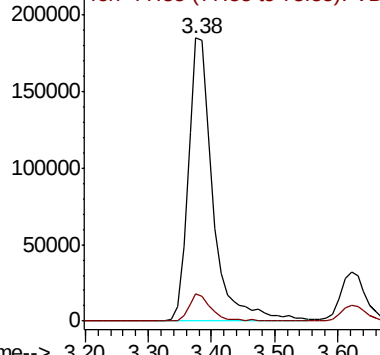
Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 47.656 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD062124.D

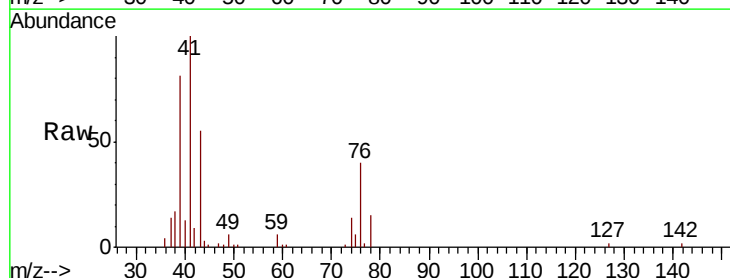
Acq: 6 May 2019 11:43

Tgt Ion: 43 Resp: 79993

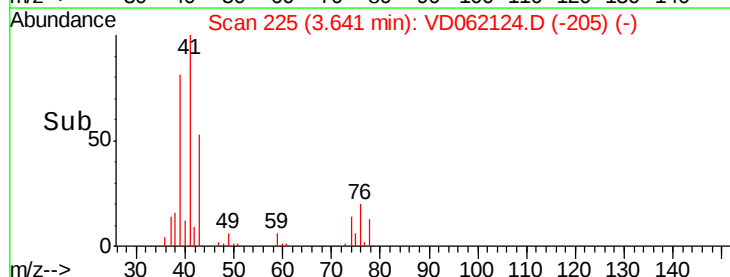
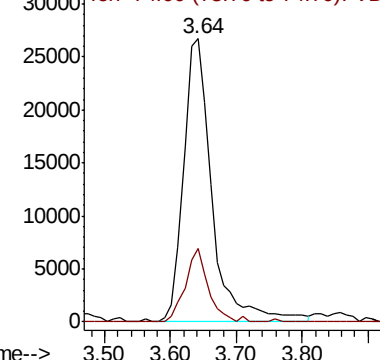
Ion Ratio Lower Upper

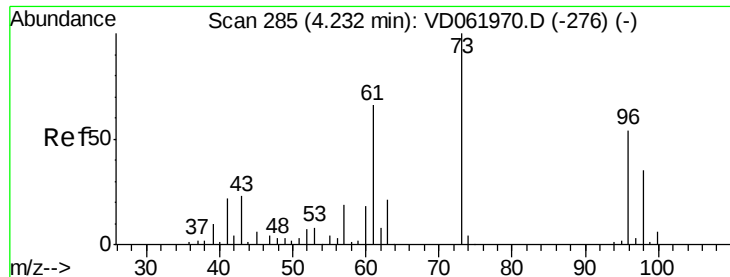
43 100

74 25.9 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



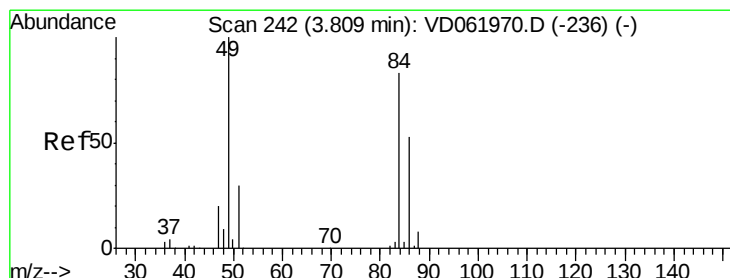
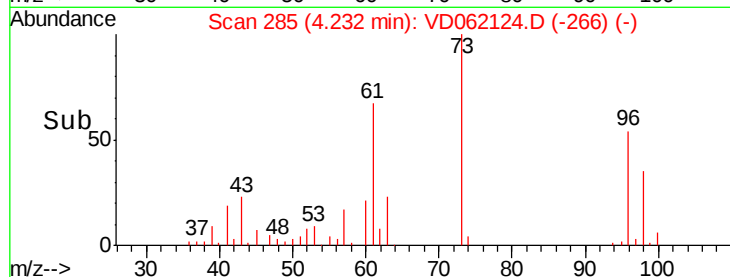
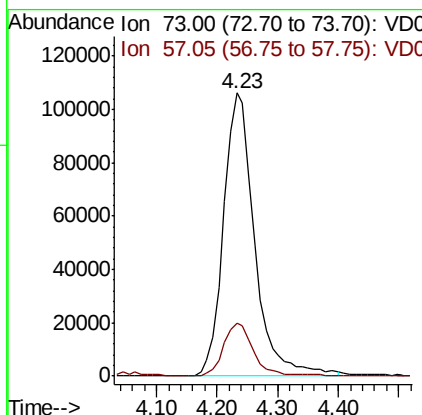
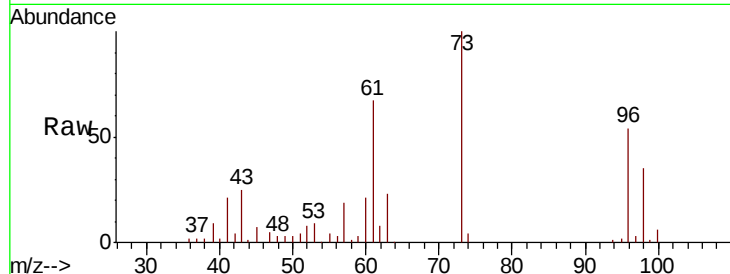


#19

Methyl tert-butyl Ether
 Concen: 47.325 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

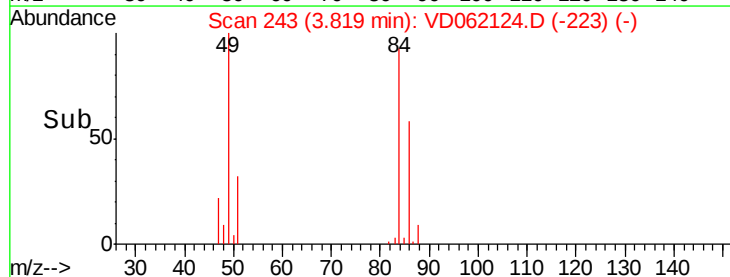
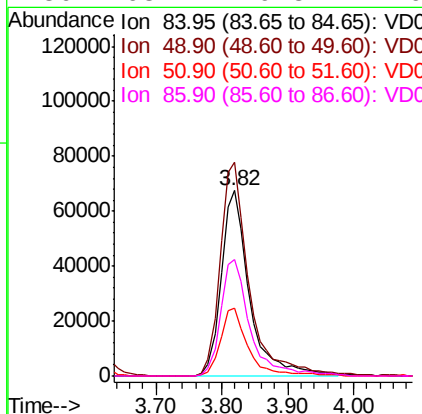
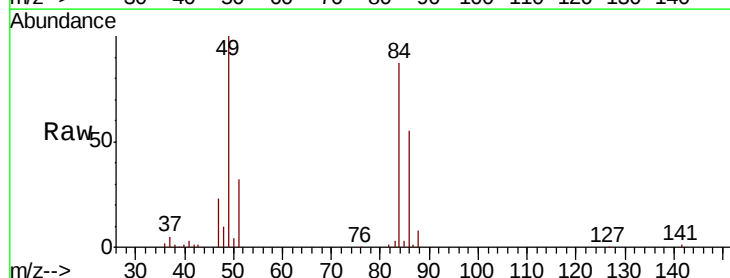
Tot Ion: 73 Resp: 378273
 Ion Ratio Lower Upper
 73 100
 57 18.8 16.3 24.5

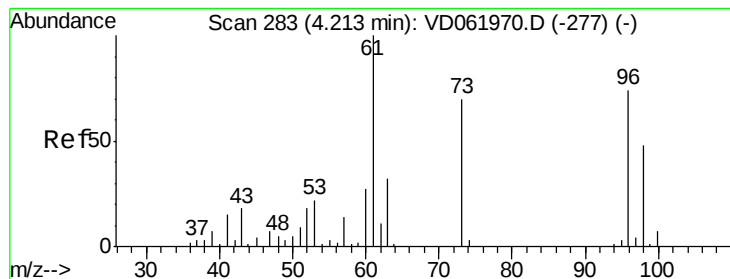


#20

Methylene Chloride
 Concen: 44.582 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

Tgt Ion: 84 Resp: 202007
 Ion Ratio Lower Upper
 84 100
 49 115.4 94.0 141.0
 51 36.8 29.0 43.4
 86 63.1 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 45.262 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

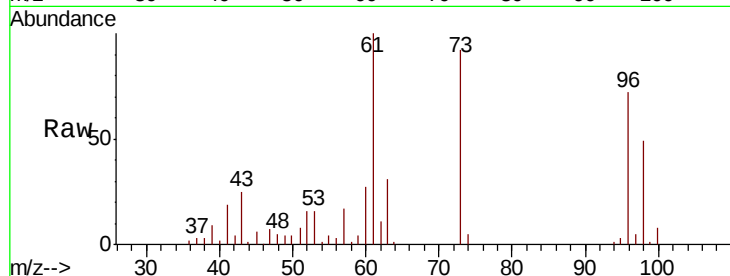
Tot Ion: 96 Resp: 209171

Ion Ratio Lower Upper

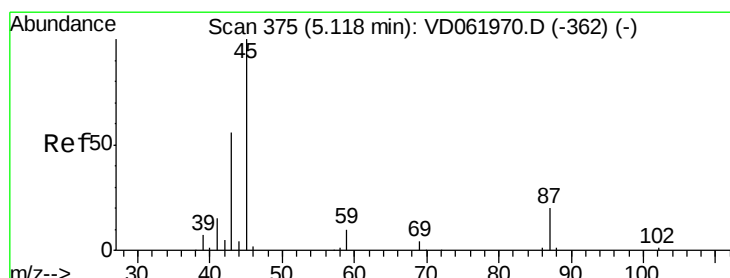
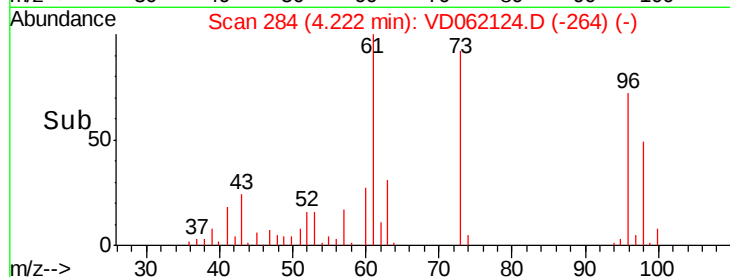
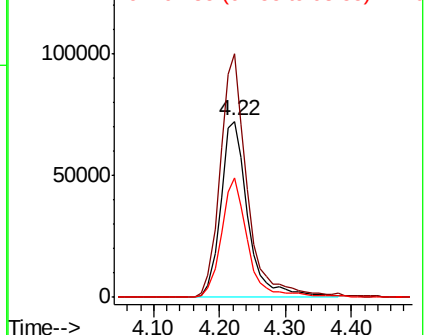
96 100

61 138.2 104.4 156.6

98 67.7 51.8 77.8



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



#22

Diisopropyl ether

Concen: 44.426 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Tgt Ion: 45 Resp: 570568

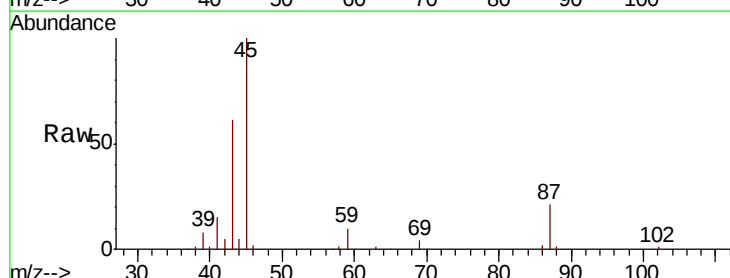
Ion Ratio Lower Upper

45 100

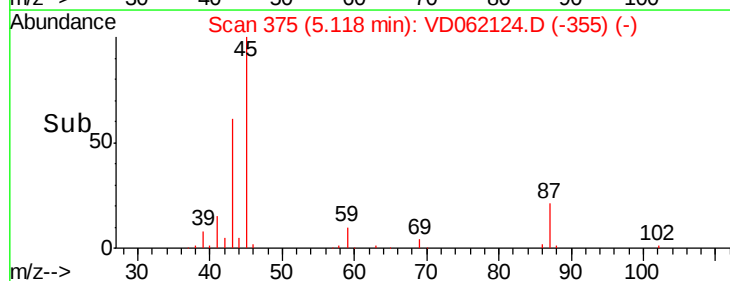
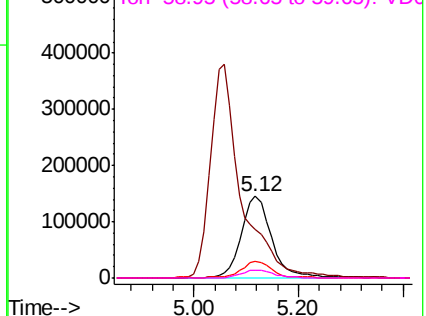
43 60.5 46.2 69.2

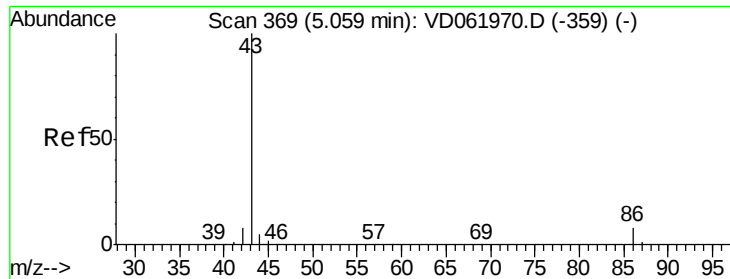
87 21.1 15.9 23.9

59 9.9 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: 229.269 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

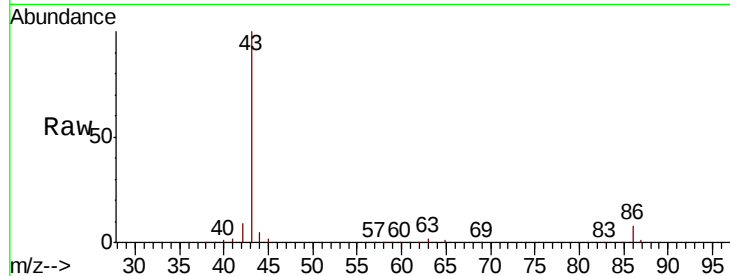
VSTDCCC050

Tot Ion: 43 Resp: 1533401

Ion Ratio Lower Upper

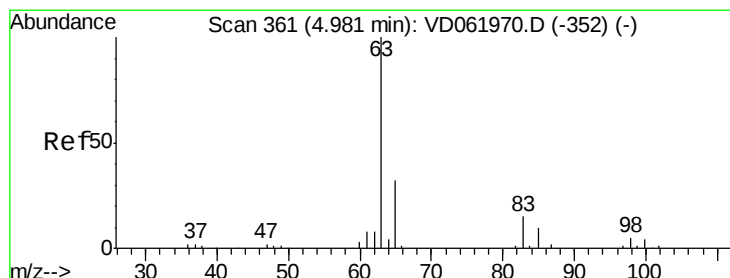
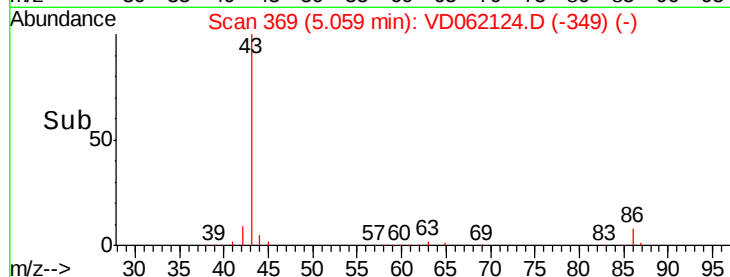
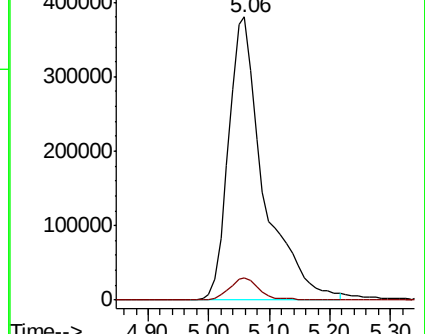
43 100

86 8.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.439 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

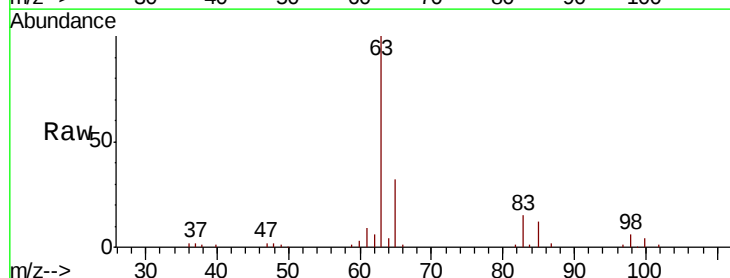
Tgt Ion: 63 Resp: 360480

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

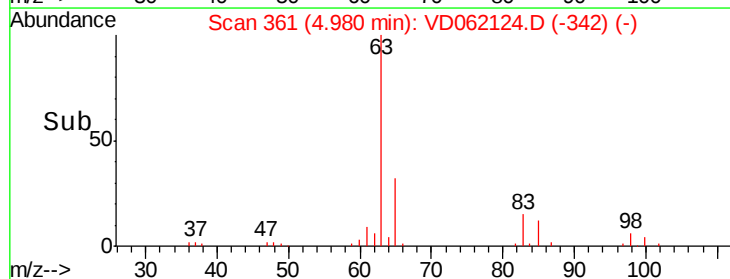
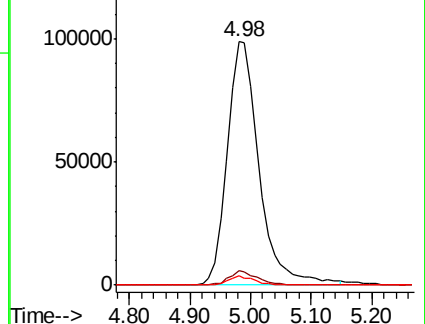
100 3.6 1.8 5.5

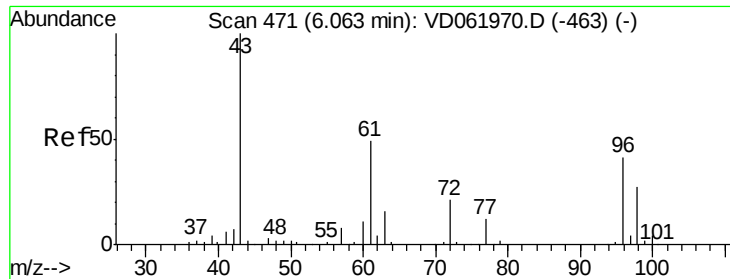


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 221.880 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

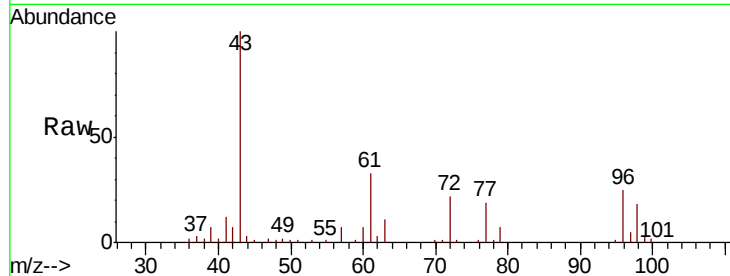
VSTDCCC050

Tot Ion: 43 Resp: 248457

Ion Ratio Lower Upper

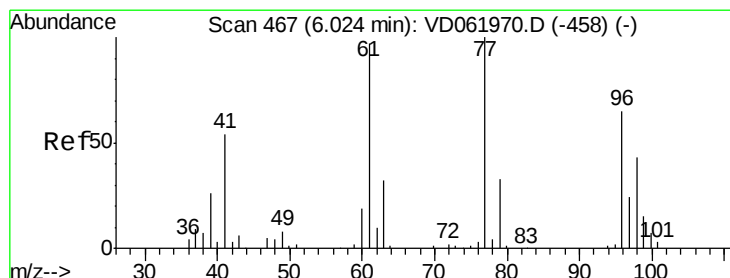
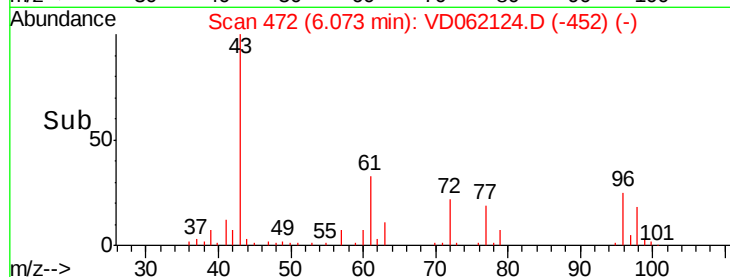
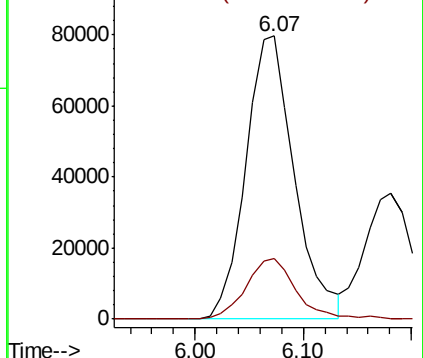
43 100

72 21.5 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.078 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD062124.D

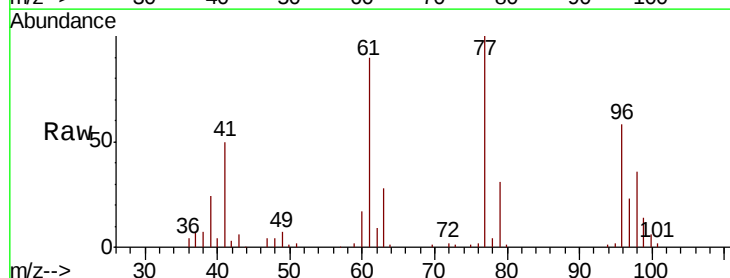
Acq: 6 May 2019 11:43

Tgt Ion: 77 Resp: 339128

Ion Ratio Lower Upper

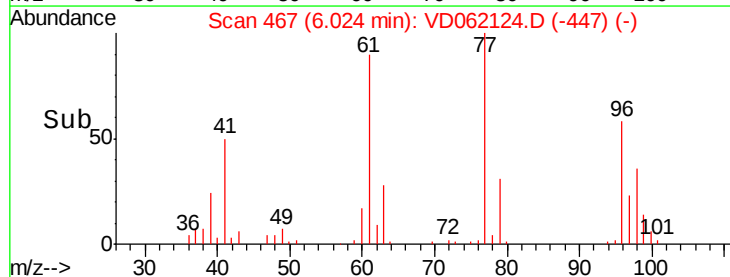
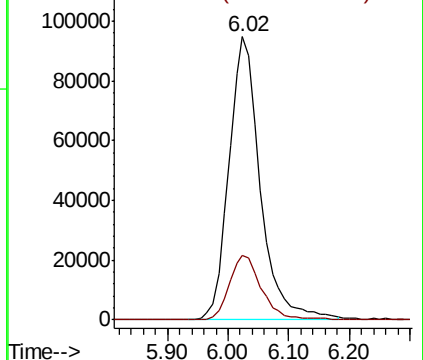
77 100

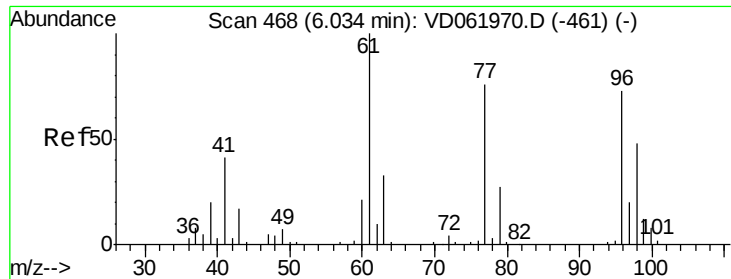
97 22.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



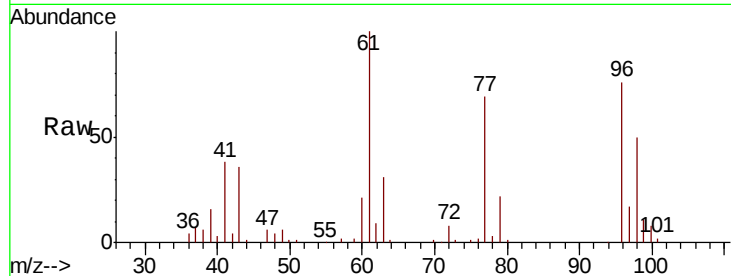


#27

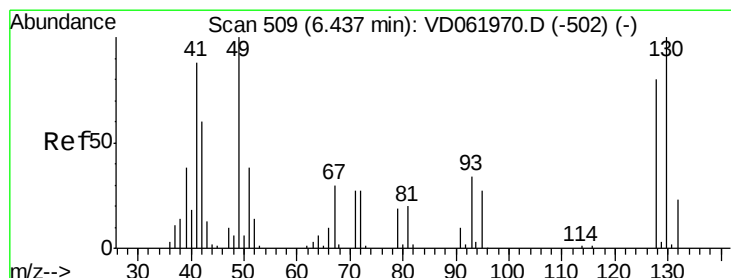
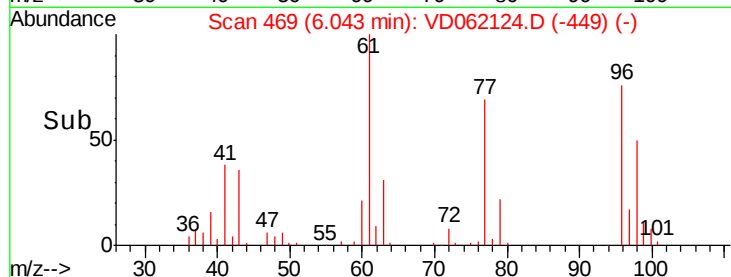
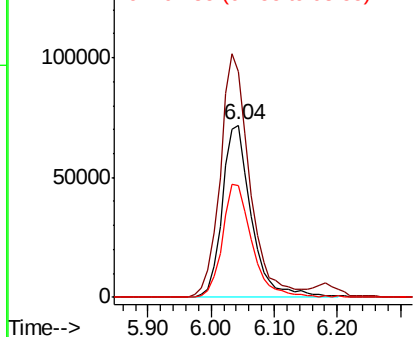
cis-1,2-Dichloroethene
Concen: 43.828 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 230419
Ion Ratio Lower Upper
96 100
61 131.6 0.0 279.8
98 65.2 0.0 136.0



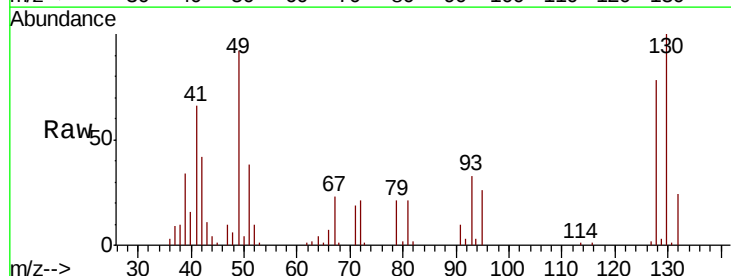
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



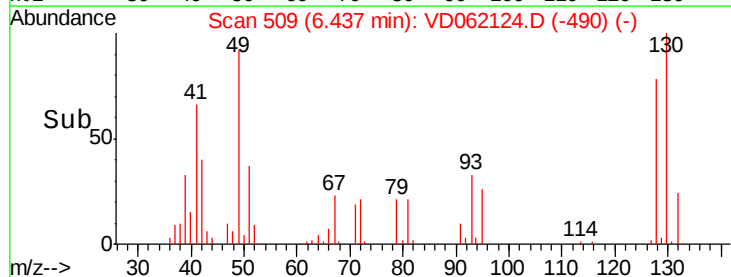
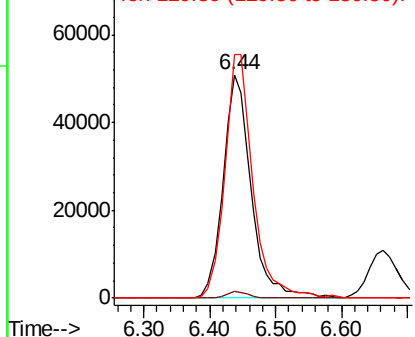
#28

Bromochloromethane
Concen: 50.833 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Tgt Ion: 49 Resp: 150981
Ion Ratio Lower Upper
49 100
129 3.1 0.0 6.6
130 109.1 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 196.384 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

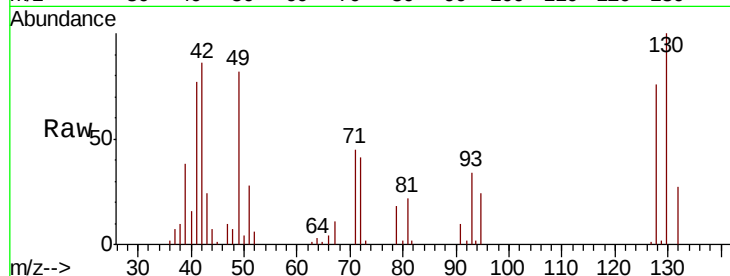
Tot Ion: 42 Resp: 108354

Ion Ratio Lower Upper

42 100

72 49.8 37.8 56.6

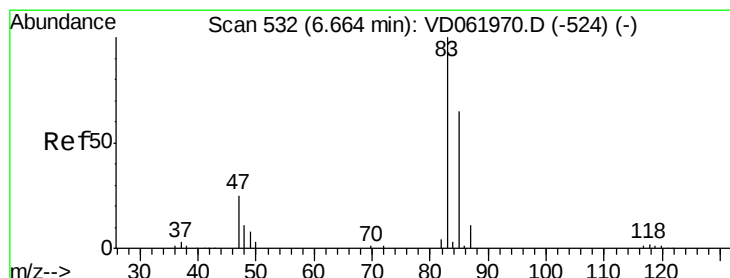
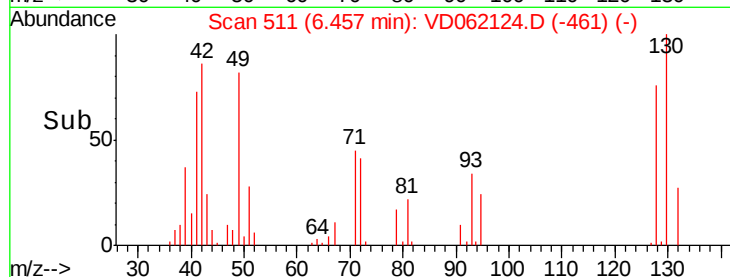
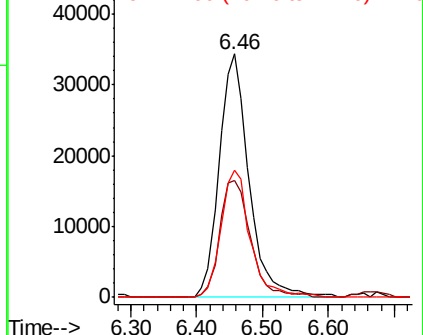
71 51.5 36.7 55.1



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: 45.312 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD062124.D

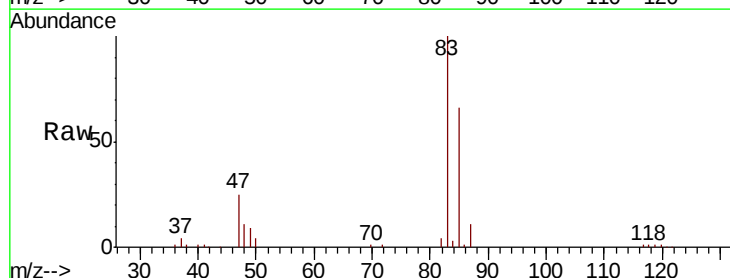
Acq: 6 May 2019 11:43

Tgt Ion: 83 Resp: 399511

Ion Ratio Lower Upper

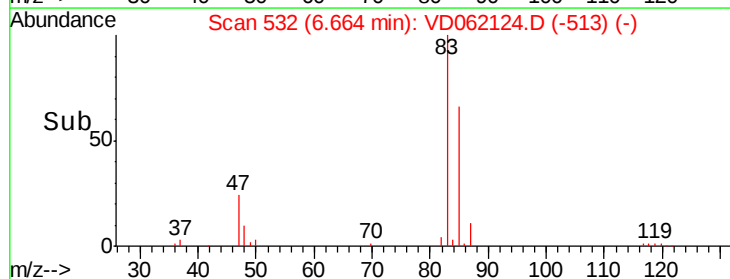
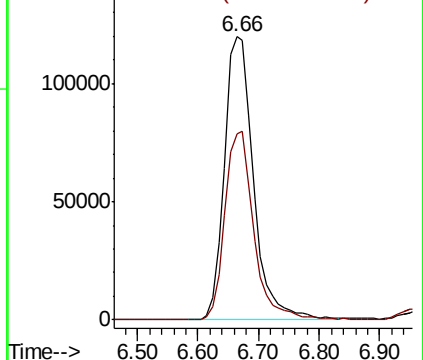
83 100

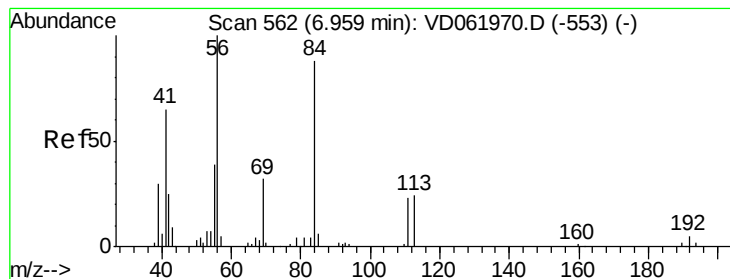
85 65.8 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 42.910 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

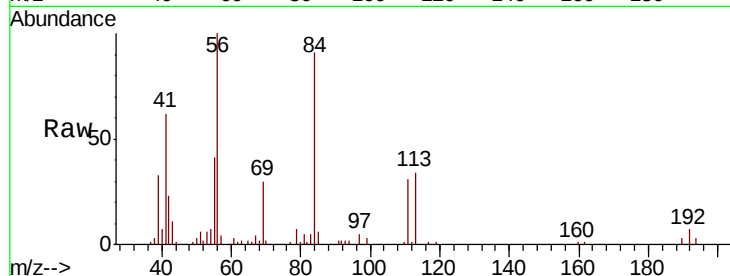
Tot Ion: 56 Resp: 247232

Ion Ratio Lower Upper

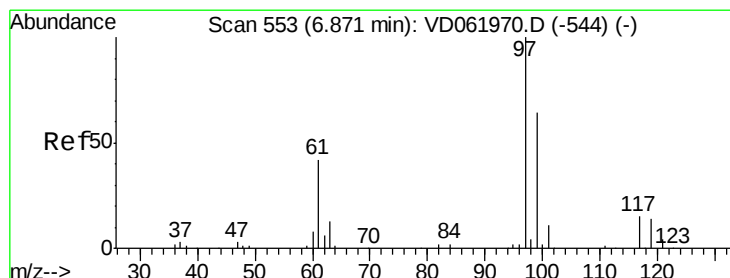
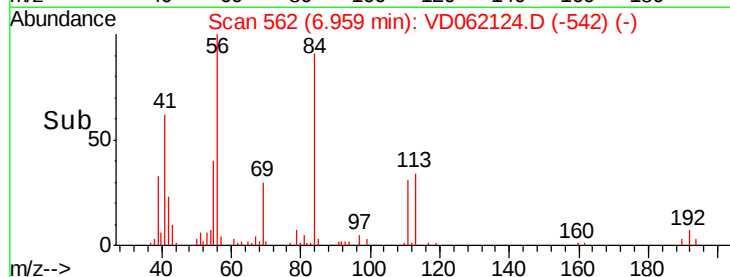
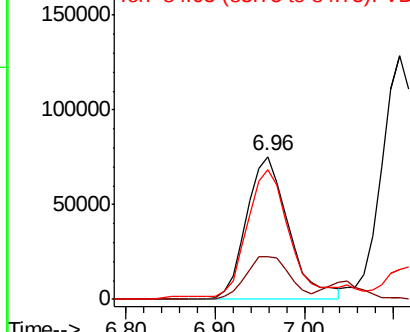
56 100

69 29.5 25.8 38.6

84 90.5 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: 49.133 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

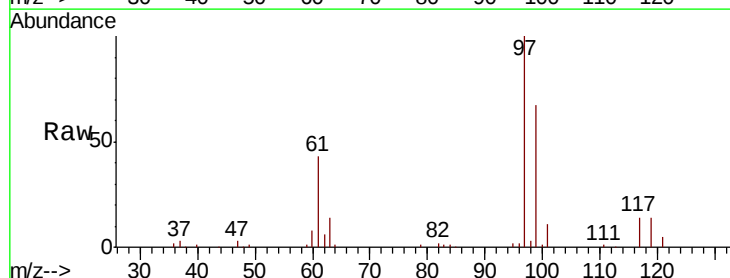
Tgt Ion: 97 Resp: 376916

Ion Ratio Lower Upper

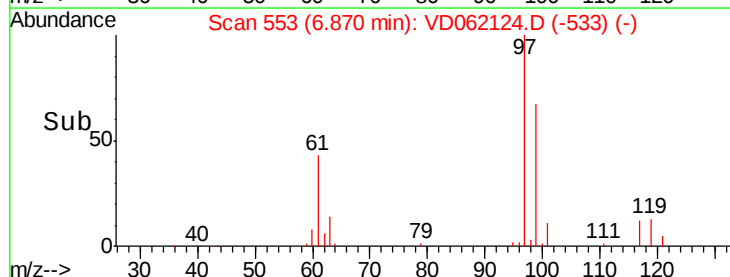
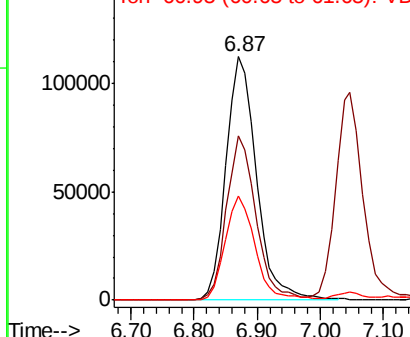
97 100

99 67.2 52.2 78.2

61 42.8 32.4 48.6



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





#33

1,2-Dichloroethane-d4

Concen: 56.891 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

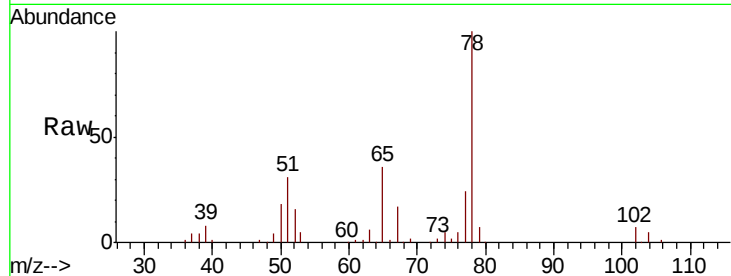
VSTDCCC050

Tot Ion: 65 Resp: 220061

Ion Ratio Lower Upper

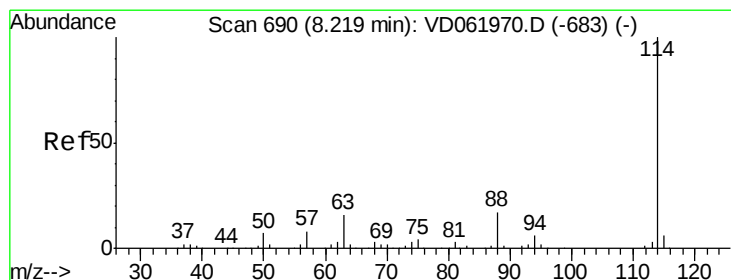
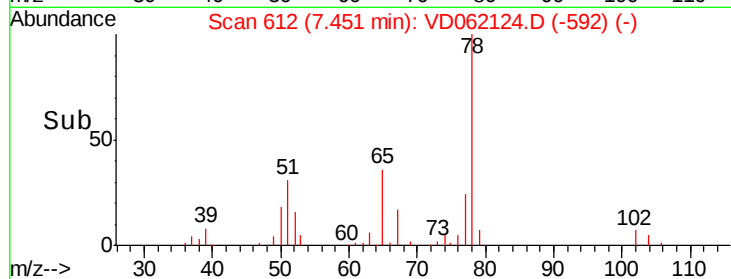
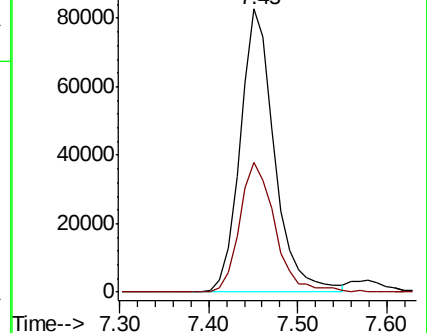
65 100

67 45.9 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: VD062124.D

Acq: 6 May 2019 11:43

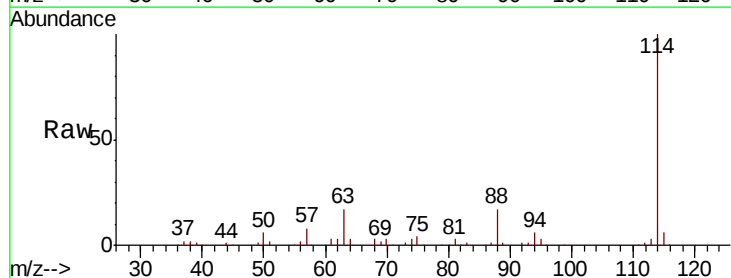
Tgt Ion: 114 Resp: 781760

Ion Ratio Lower Upper

114 100

63 16.9 0.0 32.4

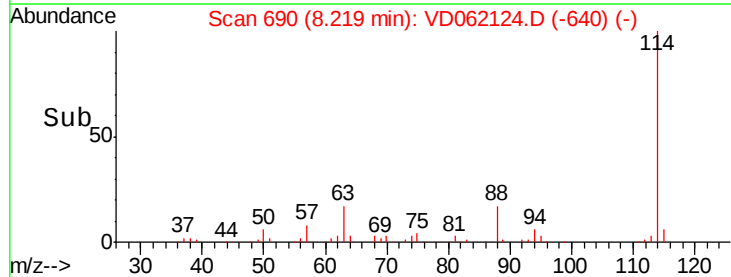
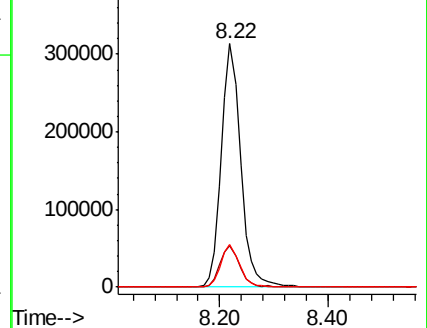
88 17.5 0.0 33.6

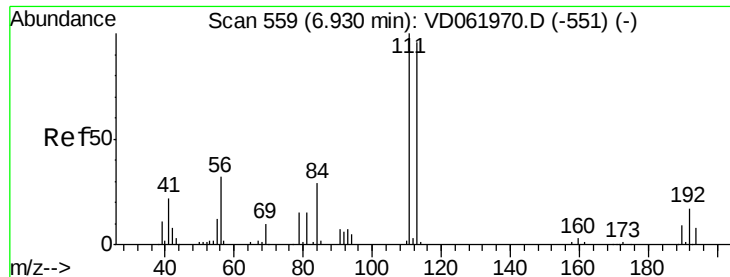


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

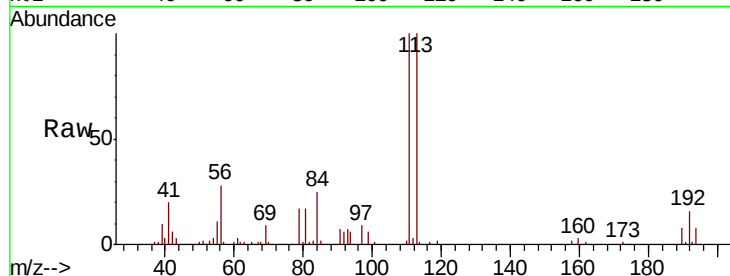




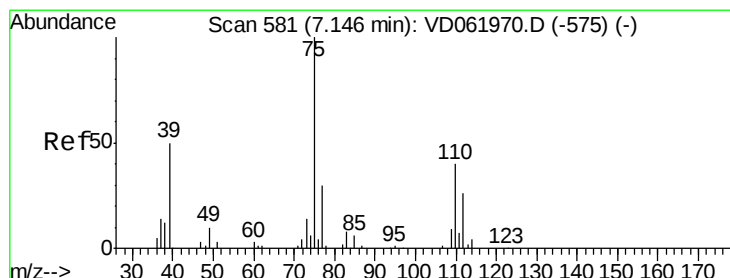
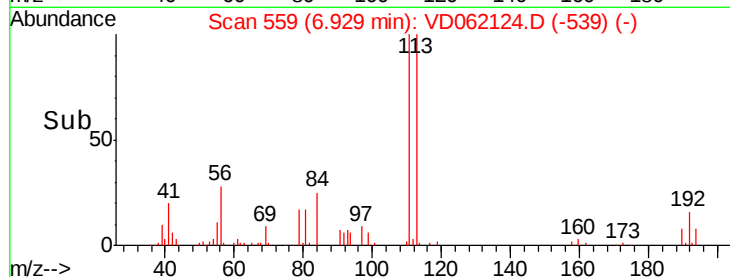
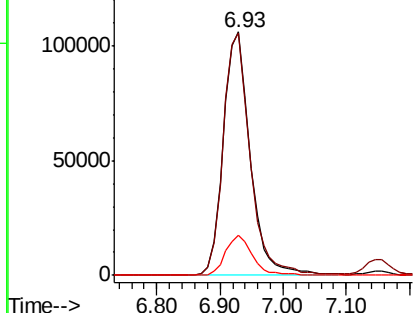
#35
 Dibromofluoromethane
 Concen: 58.175 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.5	78.5	117.7
192	16.4	13.0	19.4

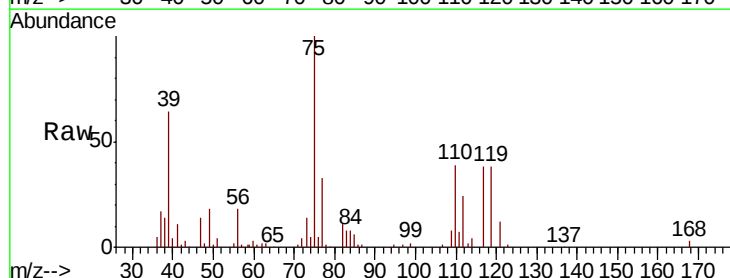


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

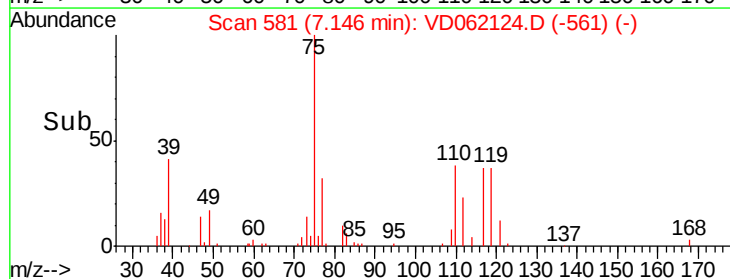
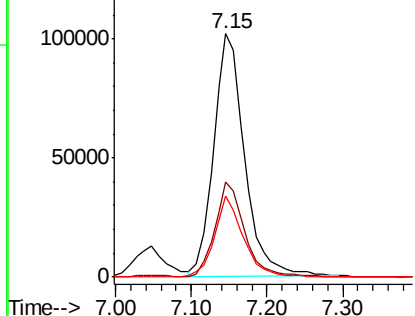


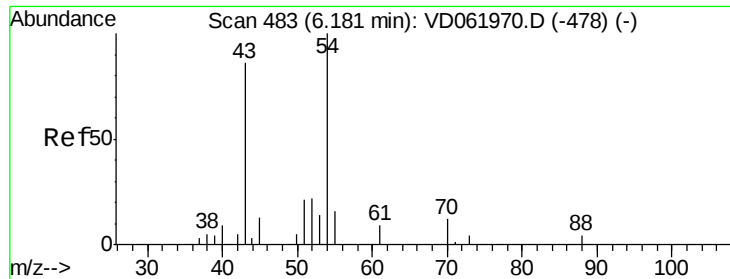
#36
 1,1-Dichloropropene
 Concen: 47.636 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.9	19.1	57.1
77	33.1	25.6	38.4



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 44.774 ug/l

RT: 6.18 min Scan# 483

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

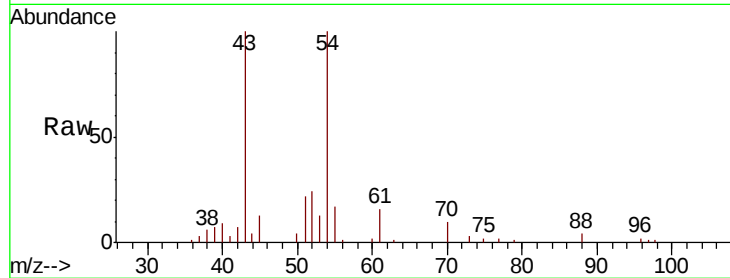
Tot Ion: 43 Resp: 116209

Ion Ratio Lower Upper

43 100

61 16.5 14.7 22.1

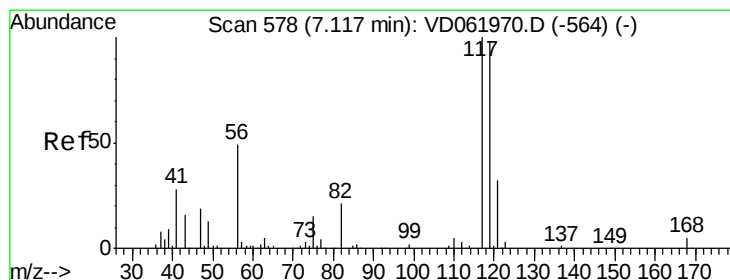
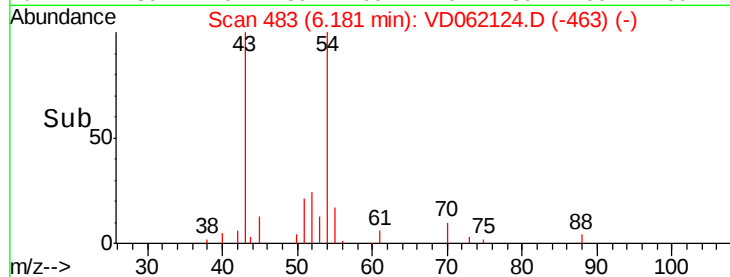
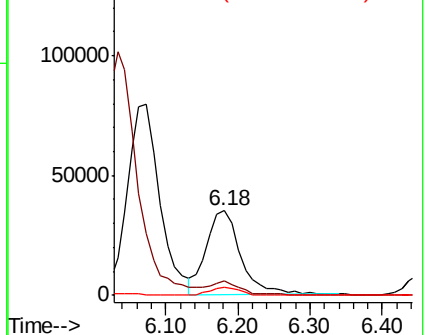
70 9.7 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 56.945 ug/l

RT: 7.11 min Scan# 577

Delta R.T. -0.01 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

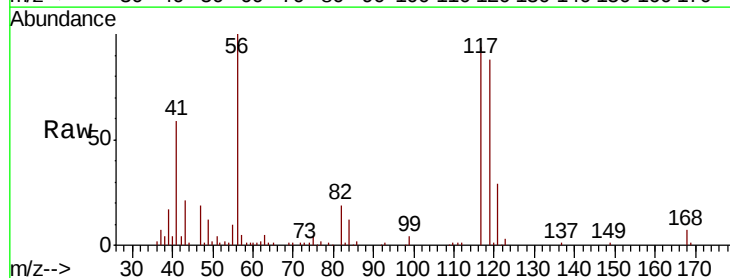
Tgt Ion: 117 Resp: 439501

Ion Ratio Lower Upper

117 100

119 93.7 75.8 113.8

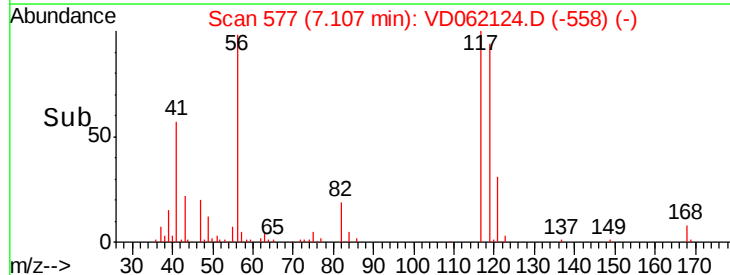
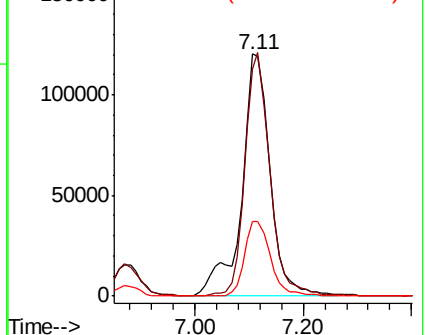
121 31.0 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 45.263 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

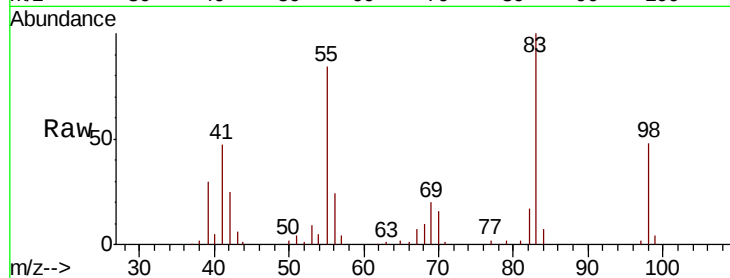
Tot Ion: 83 Resp: 272000

Ion Ratio Lower Upper

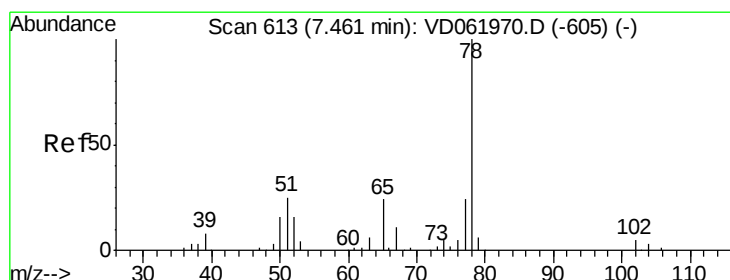
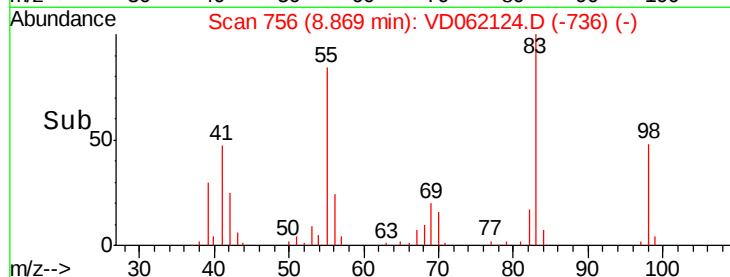
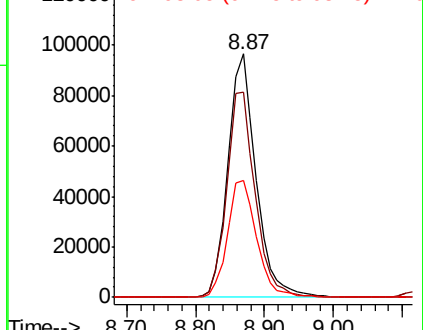
83 100

55 84.3 68.2 102.4

98 48.0 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: 45.181 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062124.D

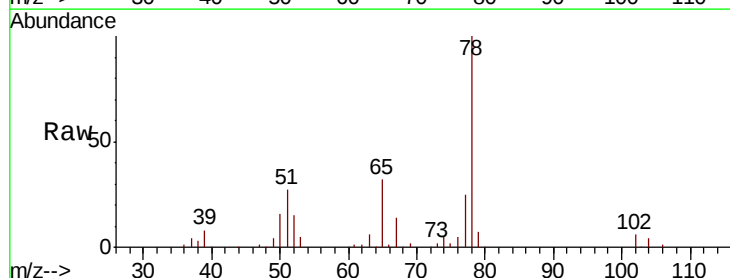
Acq: 6 May 2019 11:43

Tgt Ion: 78 Resp: 681265

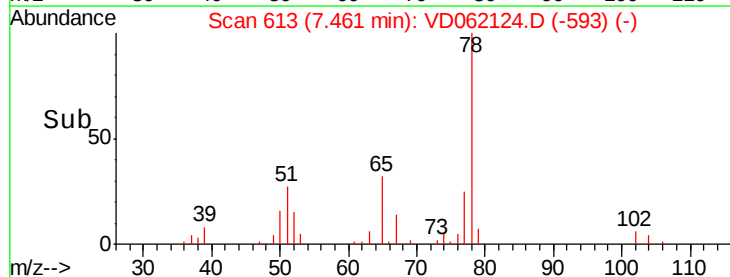
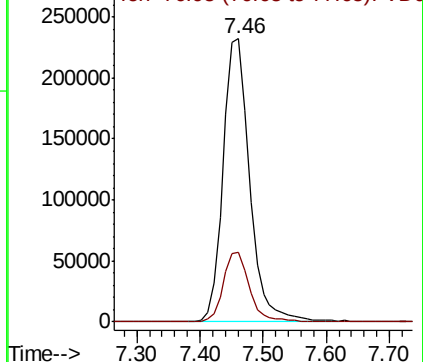
Ion Ratio Lower Upper

78 100

77 24.7 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: 45.939 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 139120

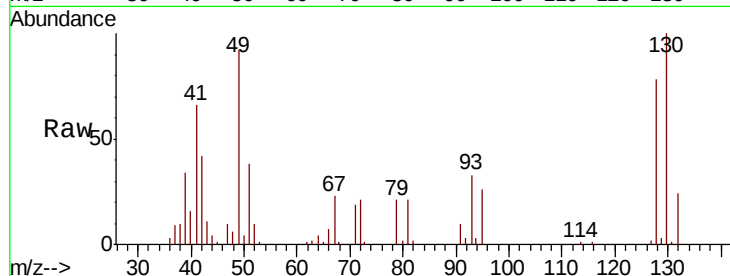
Ion Ratio Lower Upper

41 100

39 51.3 34.1 51.1#

67 35.4 23.8 35.6

52 15.2 8.8 13.2#

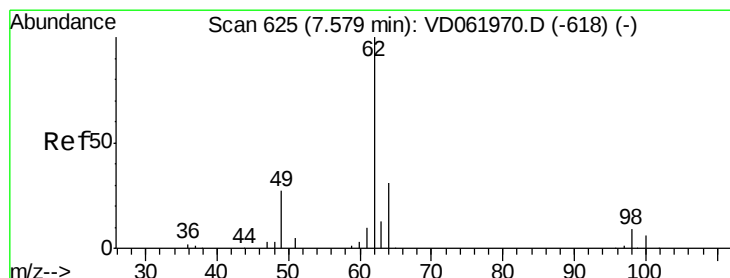
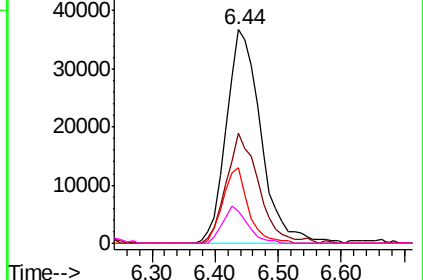
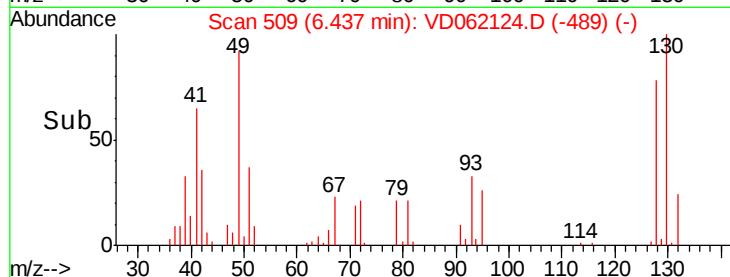


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 49.619 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.00 min

Lab File: VD062124.D

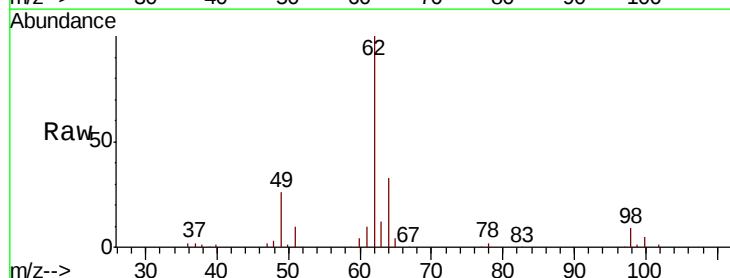
Acq: 6 May 2019 11:43

Tgt Ion: 62 Resp: 254037

Ion Ratio Lower Upper

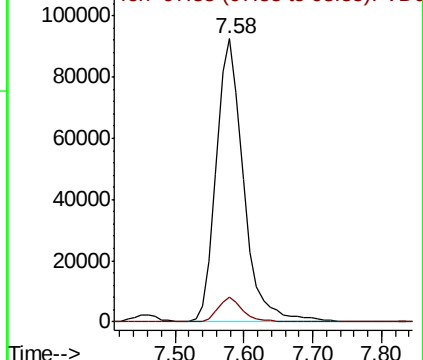
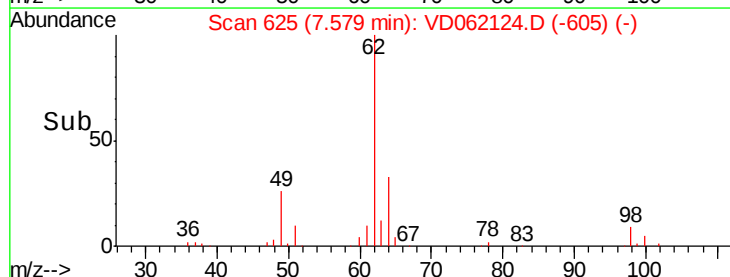
62 100

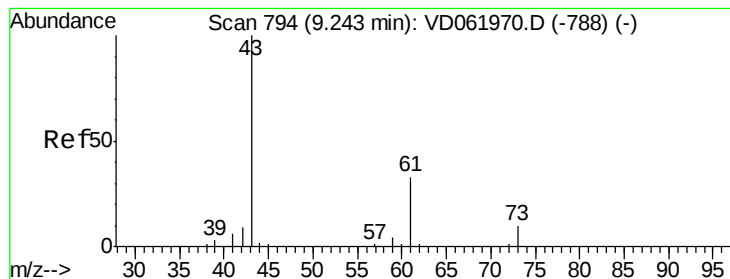
98 8.7 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 43.133 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

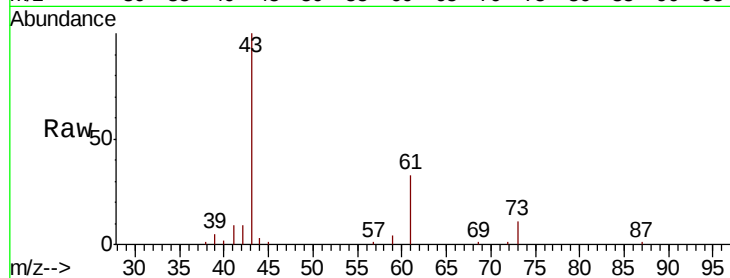
Tot Ion: 43 Resp: 163574

Ion Ratio Lower Upper

43 100

61 33.1 25.1 37.7

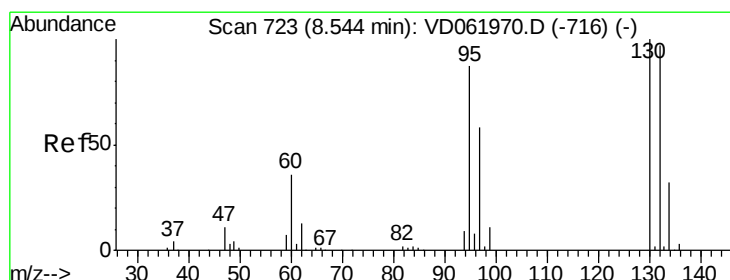
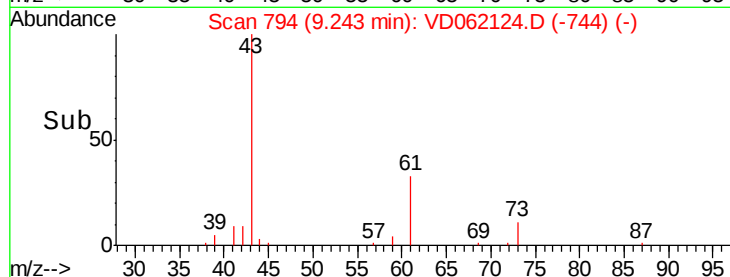
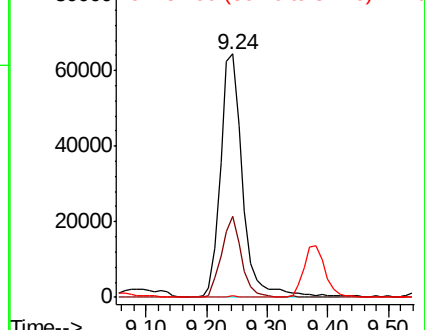
87 0.6 0.0 0.0#



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: 47.407 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD062124.D

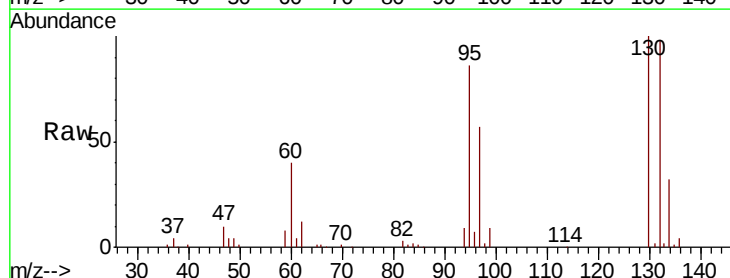
Acq: 6 May 2019 11:43

Tgt Ion:130 Resp: 277132

Ion Ratio Lower Upper

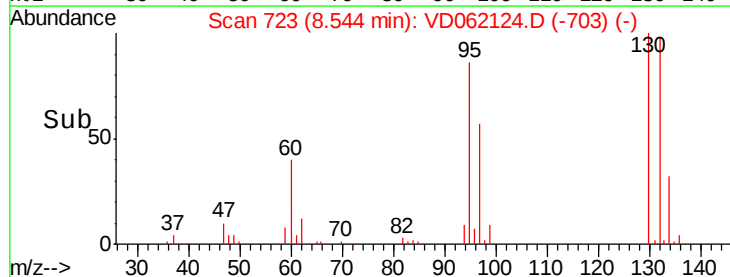
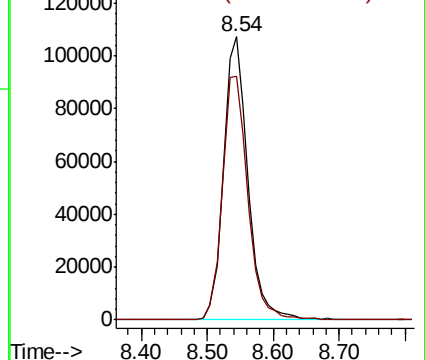
130 100

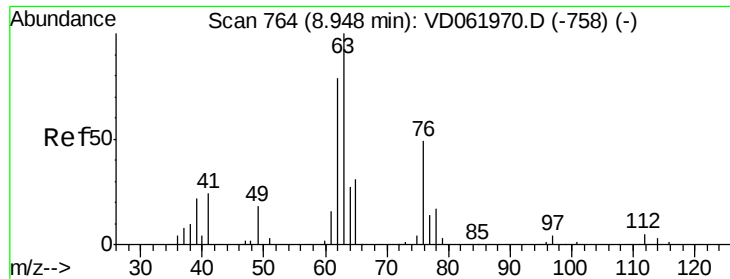
95 86.0 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.089 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

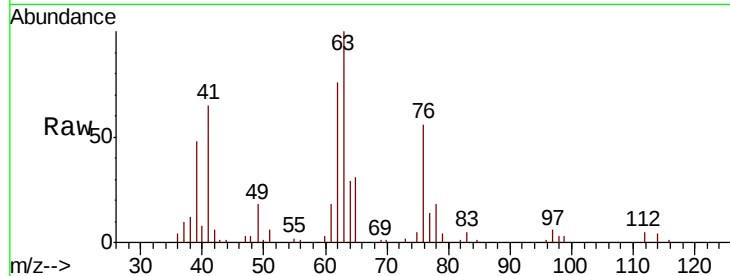
VSTDCCC050

Tot Ion: 63 Resp: 180131

Ion Ratio Lower Upper

63 100

65 31.0 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

60000

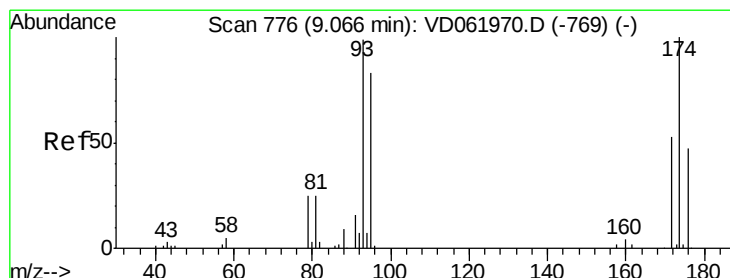
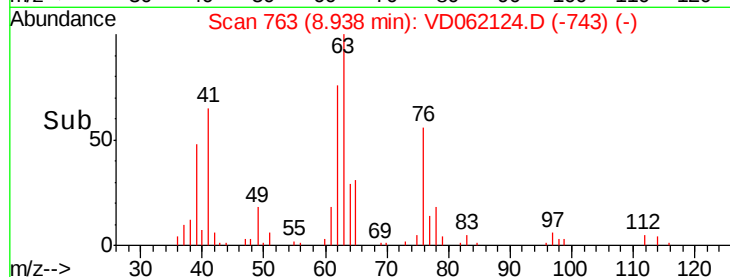
40000

20000

0

Time-->

8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 48.031 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

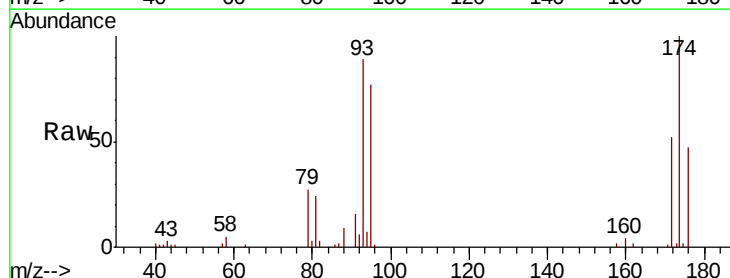
Tgt Ion: 93 Resp: 132207

Ion Ratio Lower Upper

93 100

95 86.3 64.8 97.2

174 112.0 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

80000

60000

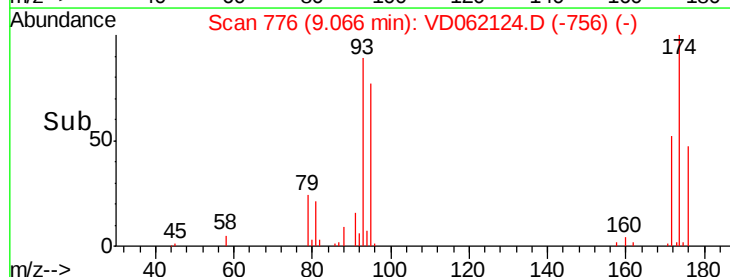
40000

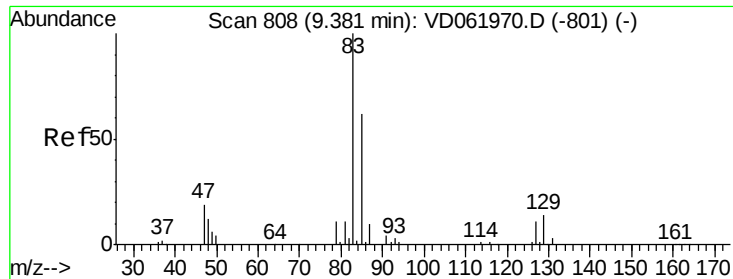
20000

0

Time-->

9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 49.684 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

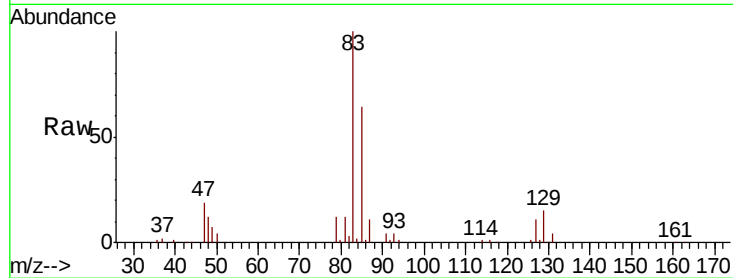
Tot Ion: 83 Resp: 323134

Ion Ratio Lower Upper

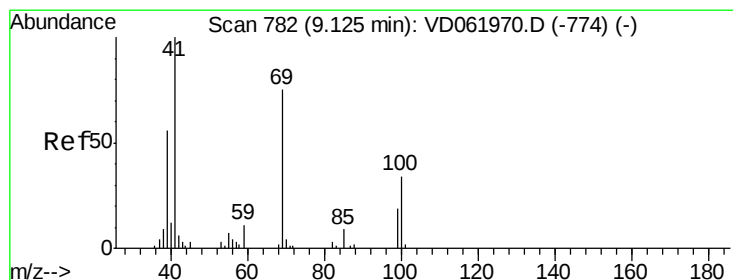
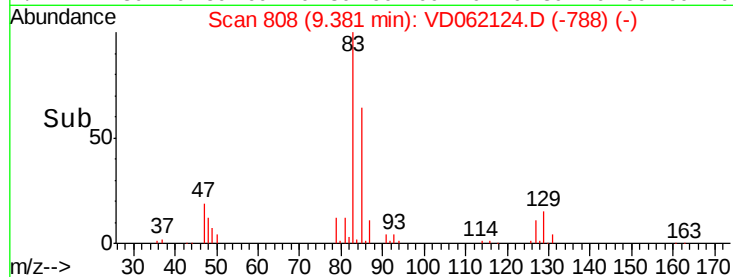
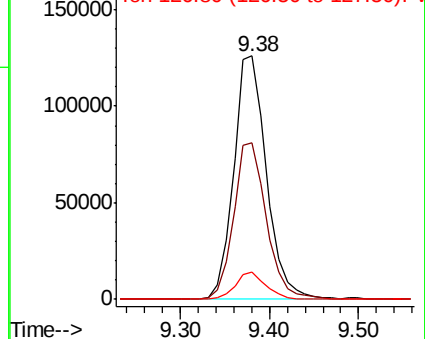
83 100

85 64.3 50.9 76.3

127 11.3 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: 47.750 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

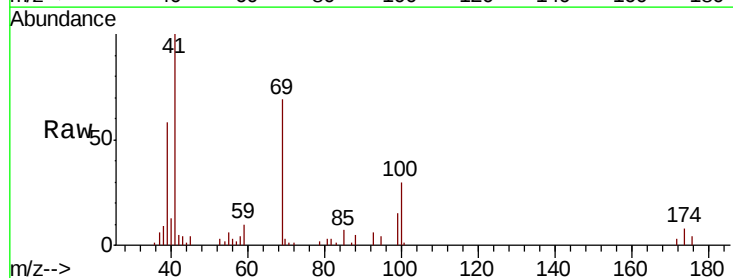
Tgt Ion: 41 Resp: 103318

Ion Ratio Lower Upper

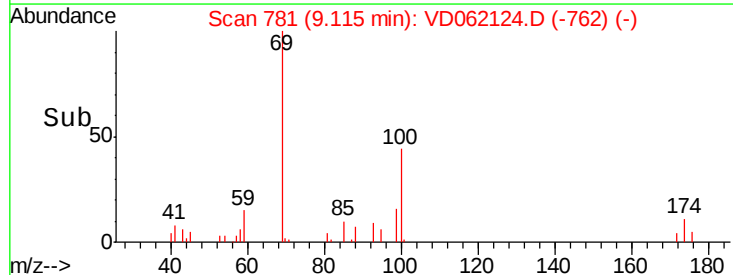
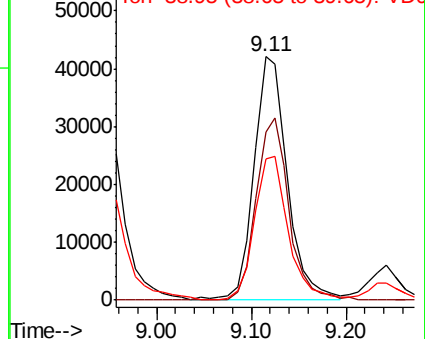
41 100

69 69.3 64.2 96.2

39 57.9 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

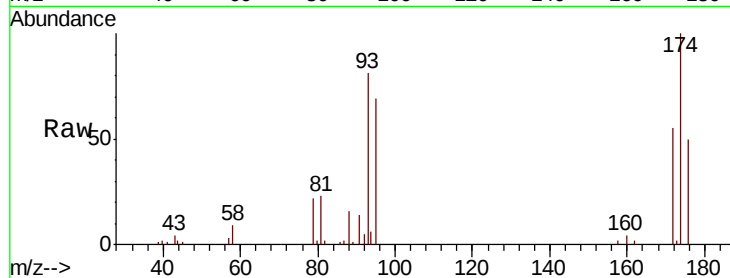




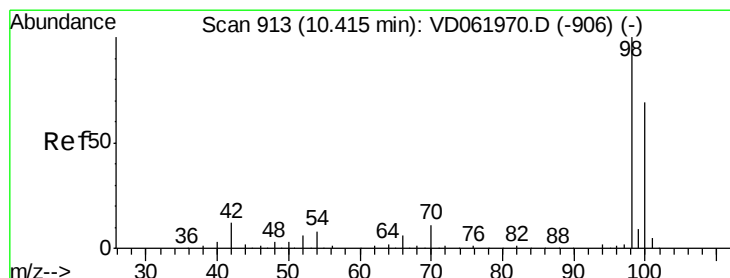
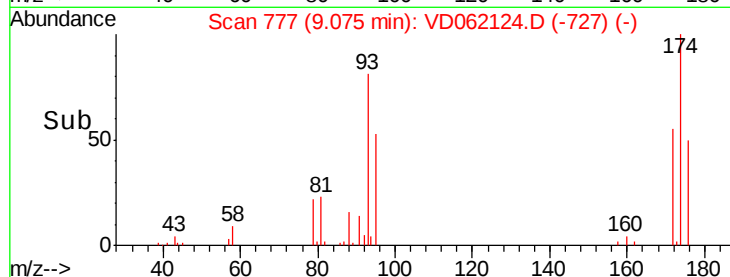
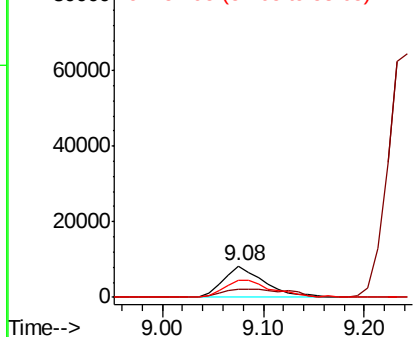
#49
1,4-Dioxane
Concen: 989.202 ug/l
RT: 9.08 min Scan# 777
Delta R.T. -0.00 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 23076
Ion Ratio Lower Upper
88 100
43 25.4 23.4 35.0
58 54.7 44.0 66.0

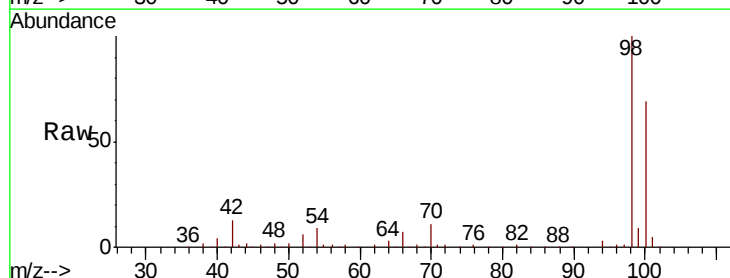


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

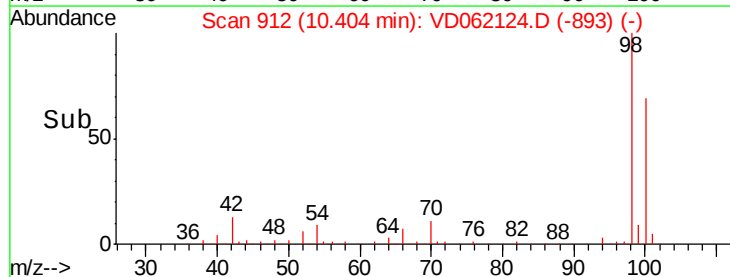
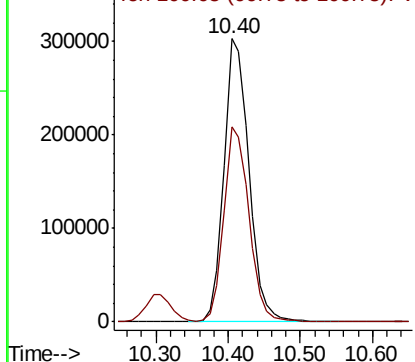


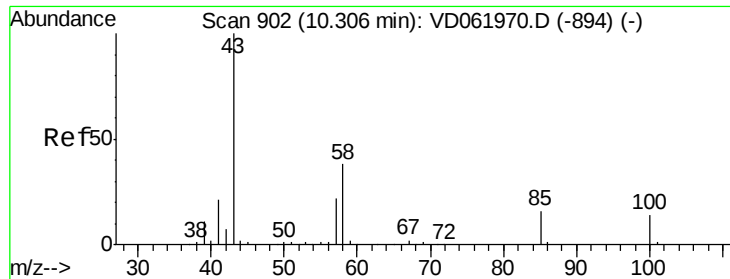
#50
Toluene-d8
Concen: 56.672 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Tgt Ion: 98 Resp: 729084
Ion Ratio Lower Upper
98 100
100 68.8 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: 248.551 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

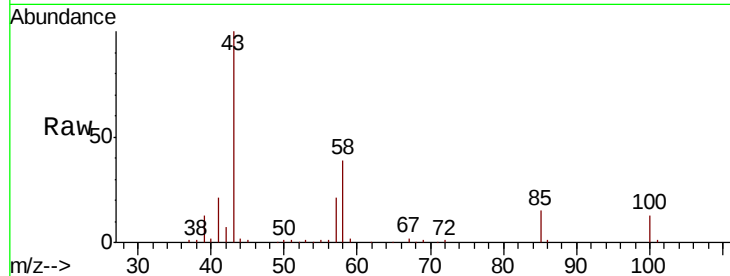
VSTDCCC050

Tot Ion: 43 Resp: 576453

Ion Ratio Lower Upper

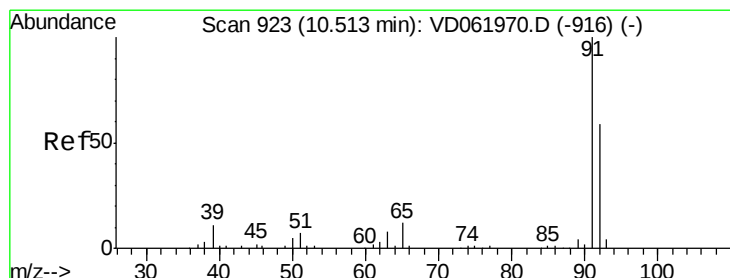
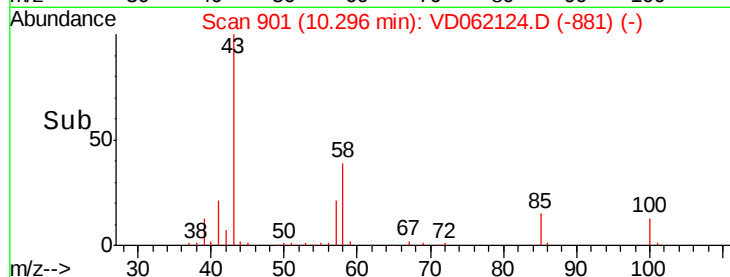
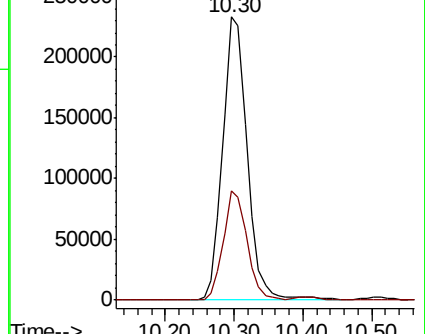
43 100

58 38.5 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: 51.171 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062124.D

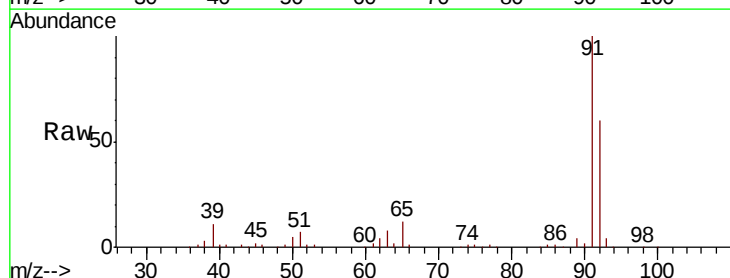
Acq: 6 May 2019 11:43

Tgt Ion: 92 Resp: 491976

Ion Ratio Lower Upper

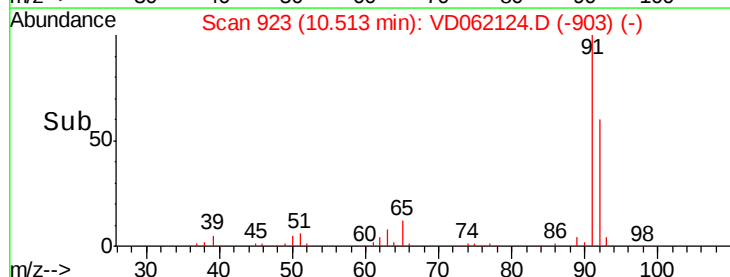
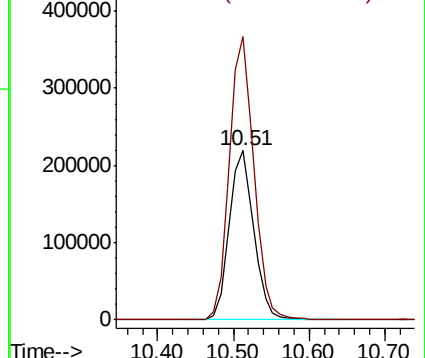
92 100

91 167.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

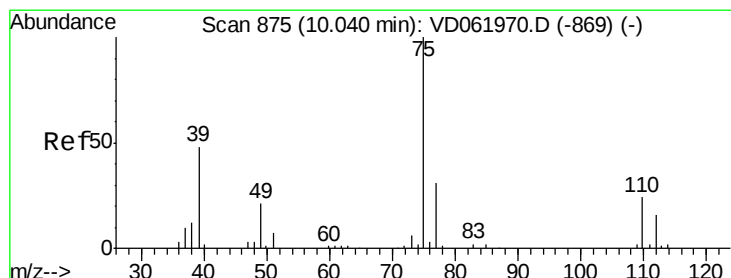
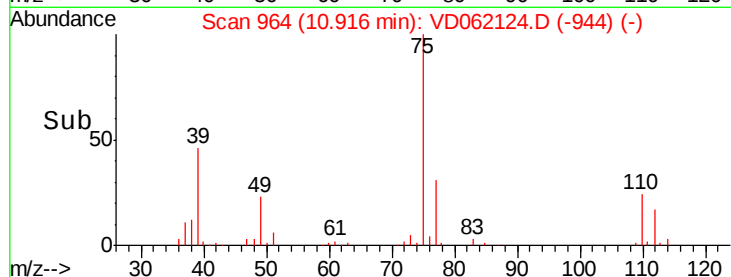
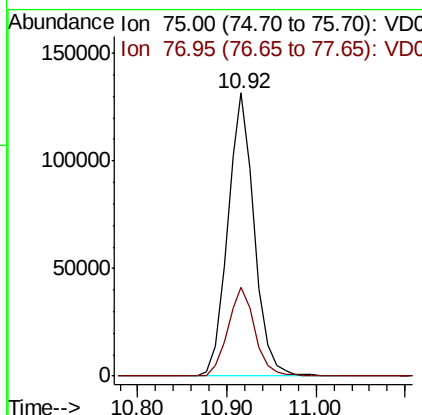
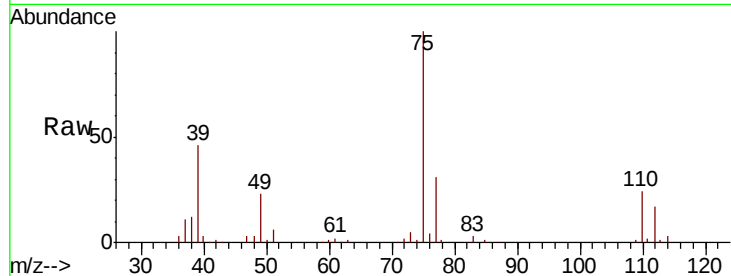




#53
 t-1,3-Dichloropropene
 Concen: 50.137 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

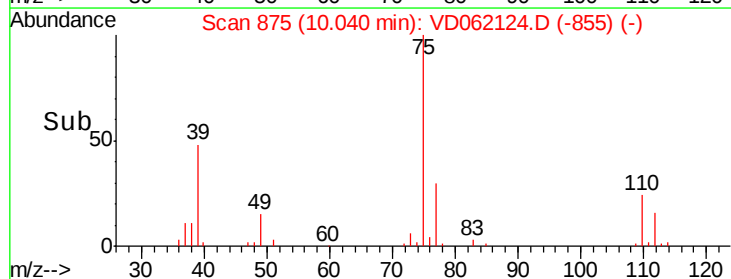
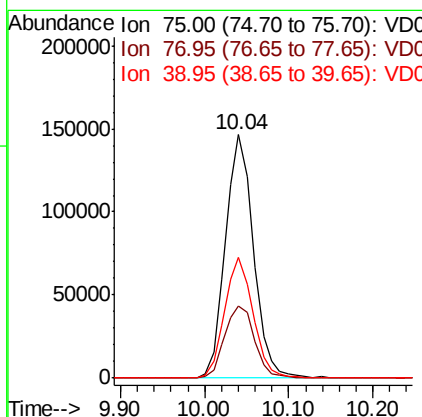
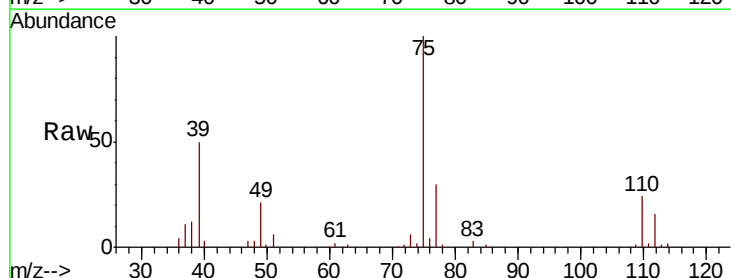
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

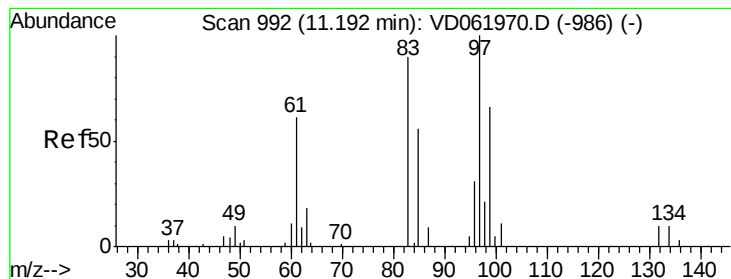
Tot Ion: 75 Resp: 273706
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 51.187 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

Tgt Ion: 75 Resp: 339865
 Ion Ratio Lower Upper
 75 100
 77 29.6 25.5 38.3
 39 49.7 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 50.745 ug/l

RT: 11.19 min Scan# 992

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 163793

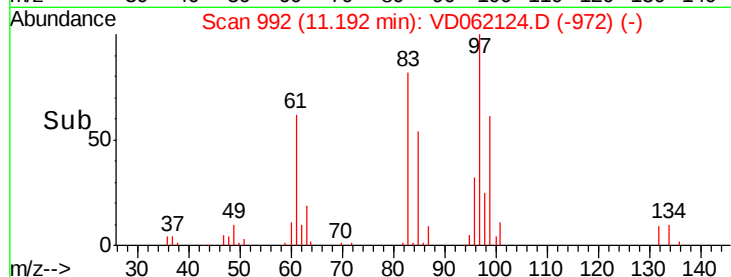
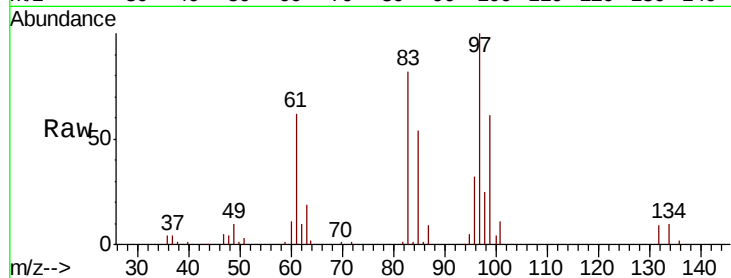
Ion Ratio Lower Upper

97 100

83 81.8 65.7 98.5

85 53.6 45.6 68.4

99 61.1 48.4 72.6

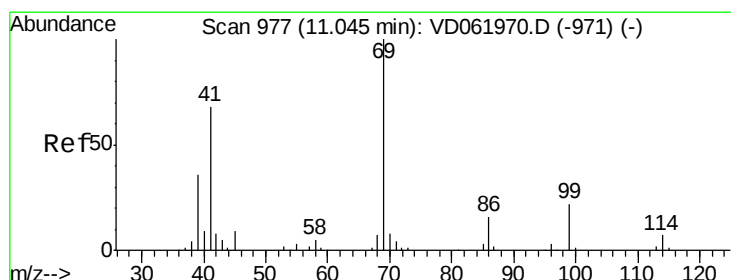
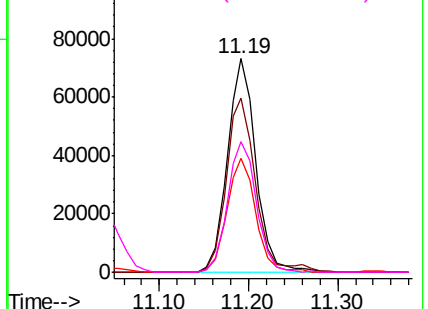


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 48.102 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

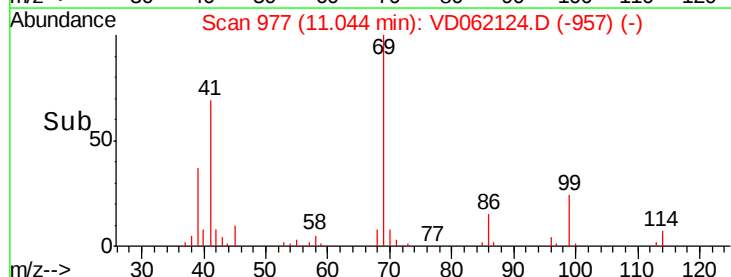
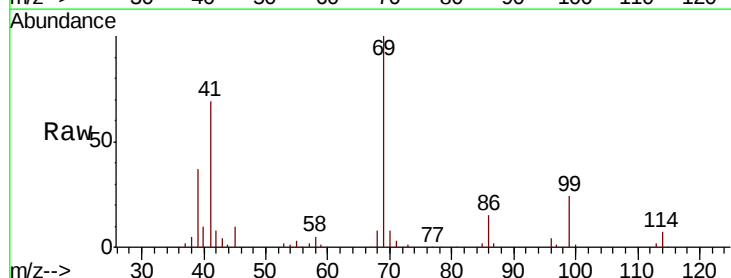
Tgt Ion: 69 Resp: 171959

Ion Ratio Lower Upper

69 100

41 68.8 56.3 84.5

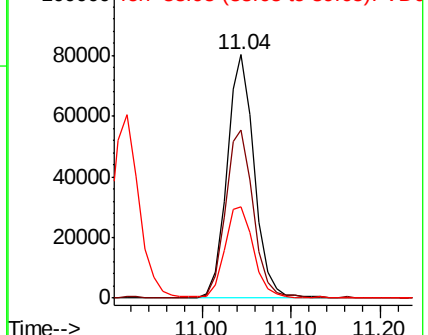
39 37.4 29.4 44.2

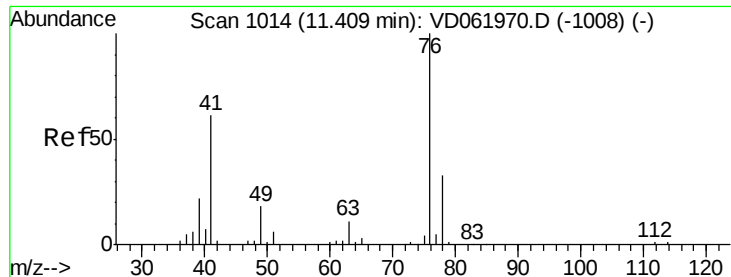


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

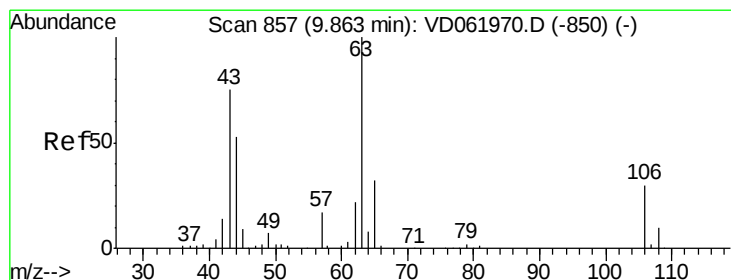
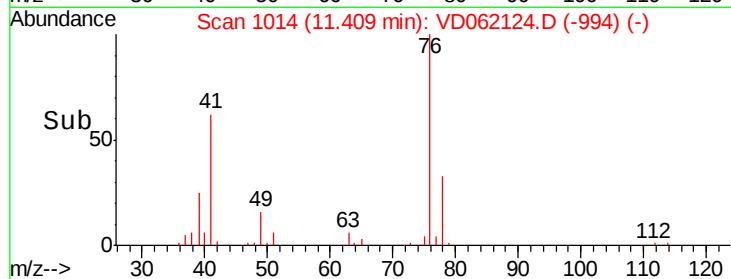
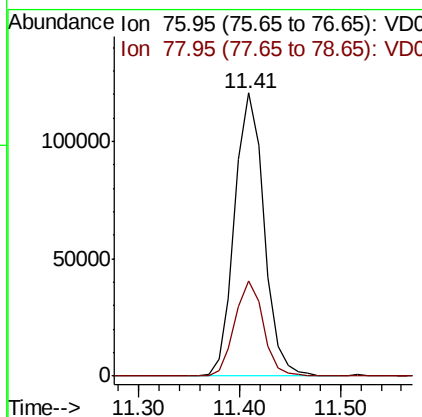
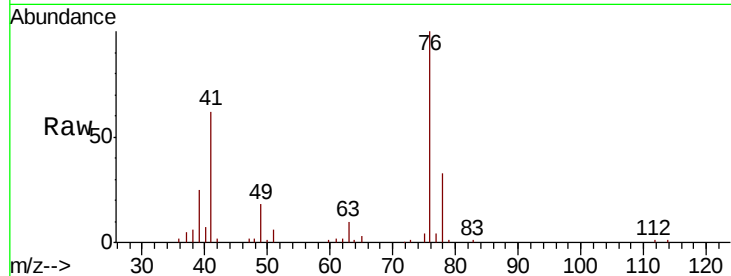




#57
 1,3-Dichloropropane
 Concen: 49.260 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

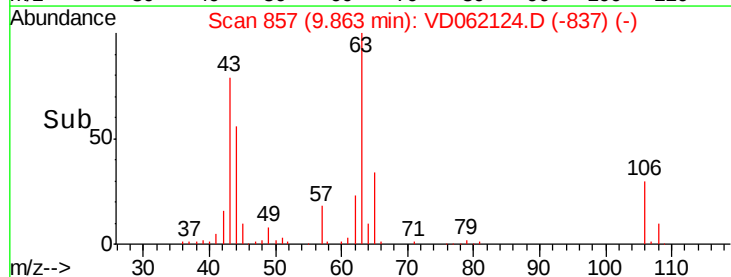
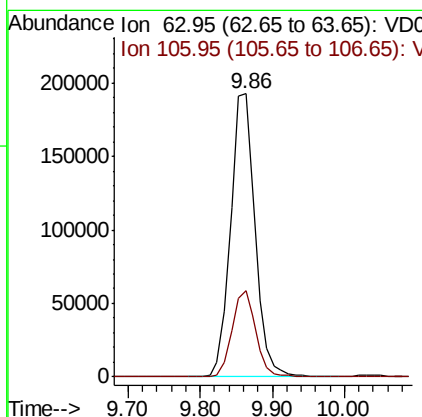
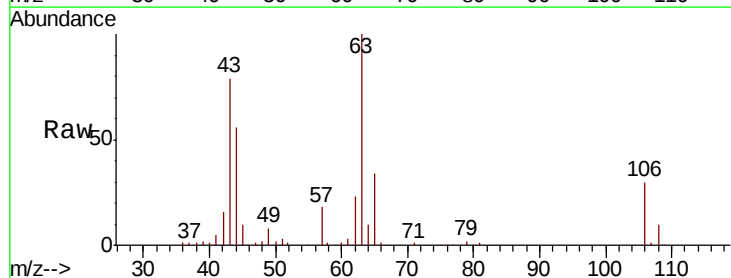
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 245572
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.735 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

Tgt Ion: 63 Resp: 458287
 Ion Ratio Lower Upper
 63 100
 106 30.4 22.6 34.0

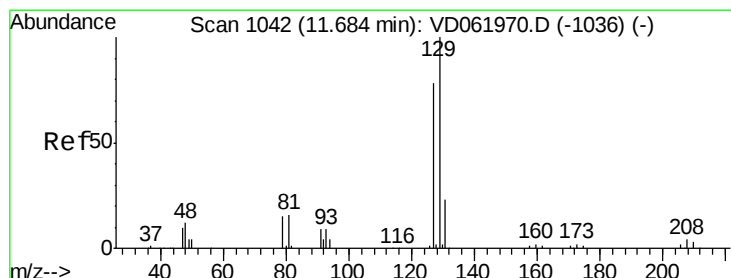
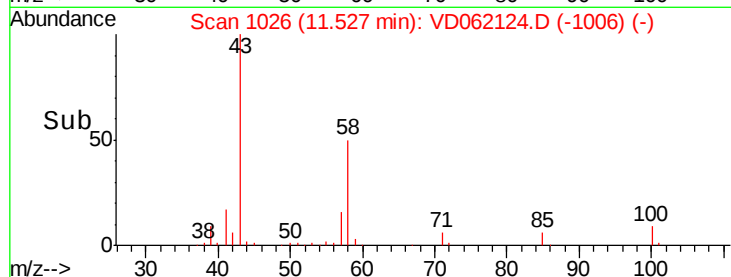
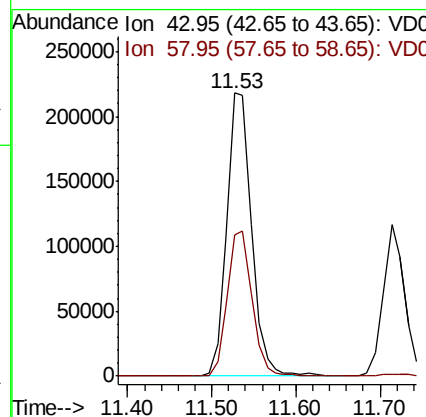
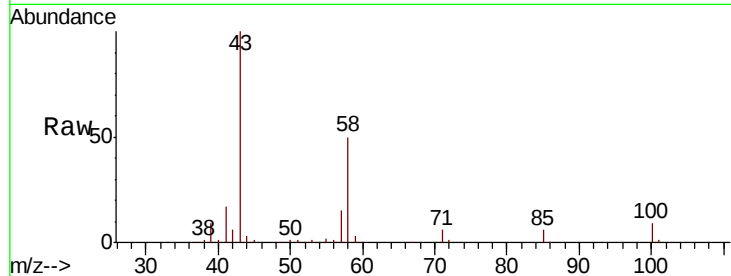




#59
2-Hexanone
Concen: 256.415 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

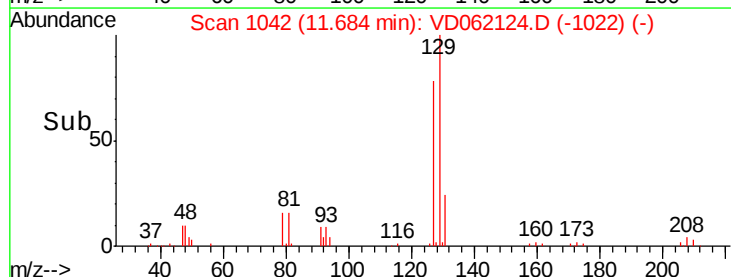
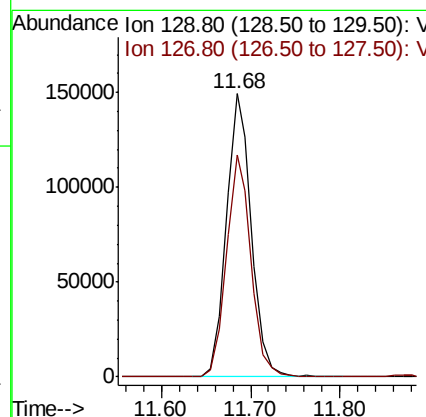
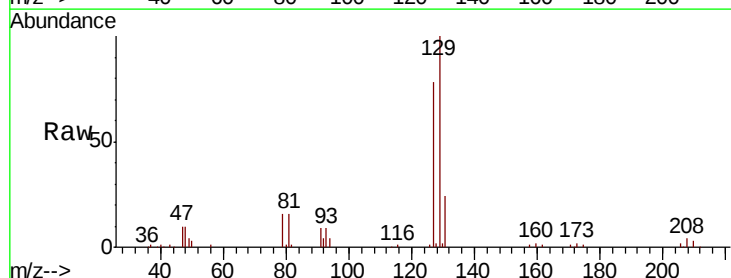
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

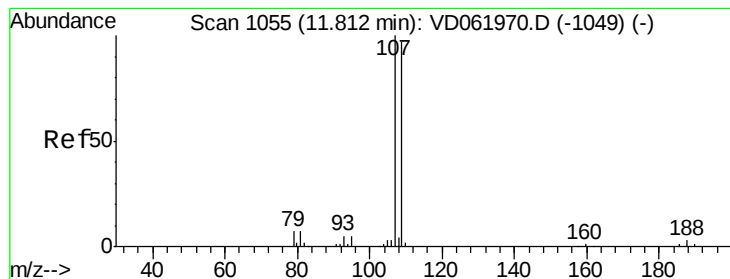
Tot Ion: 43 Resp: 446103
Ion Ratio Lower Upper
43 100
58 49.8 25.4 76.4



#60
Dibromochloromethane
Concen: 54.943 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Tgt Ion:129 Resp: 293434
Ion Ratio Lower Upper
129 100
127 78.4 38.0 113.9





#61

1,2-Dibromoethane

Concen: 53.203 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

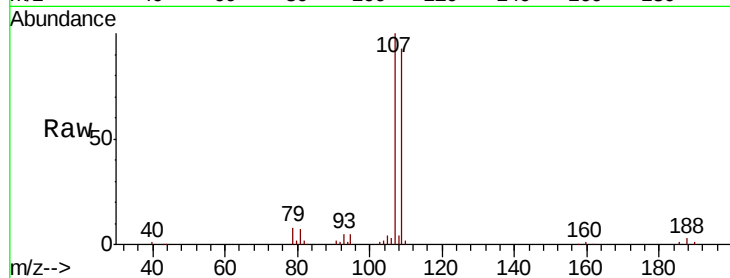
VSTDCCC050

Tot Ion:107 Resp: 203711

Ion Ratio Lower Upper

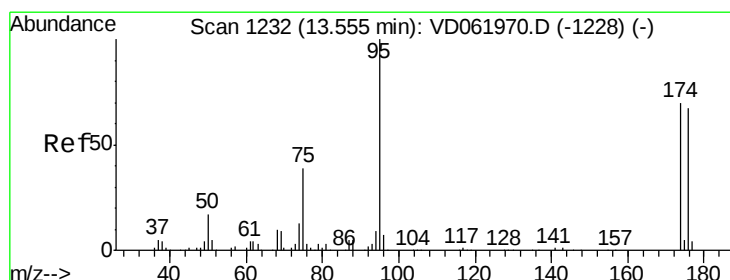
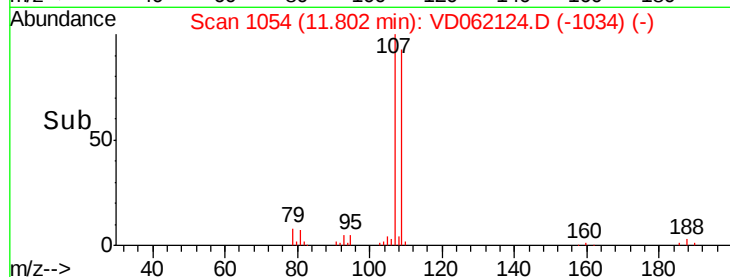
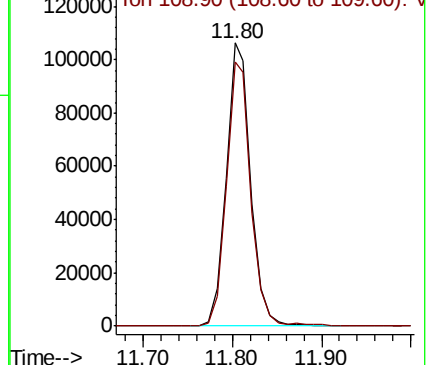
107 100

109 93.1 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 57.989 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

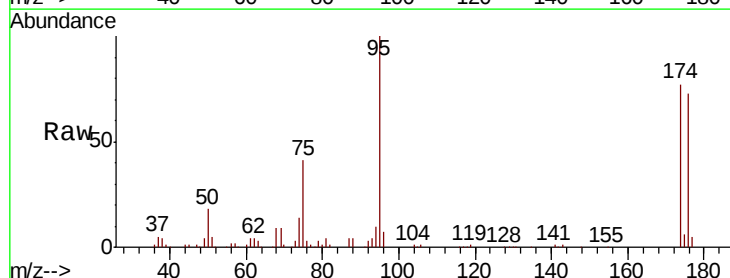
Tgt Ion: 95 Resp: 299226

Ion Ratio Lower Upper

95 100

174 77.0 0.0 181.8

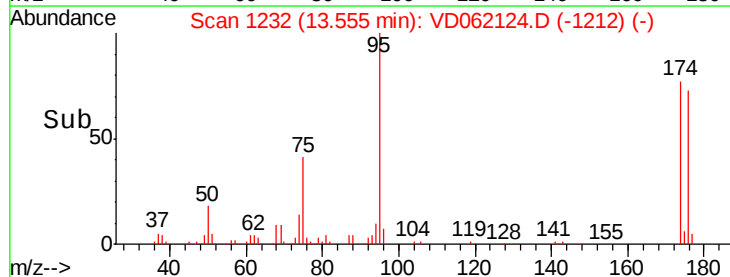
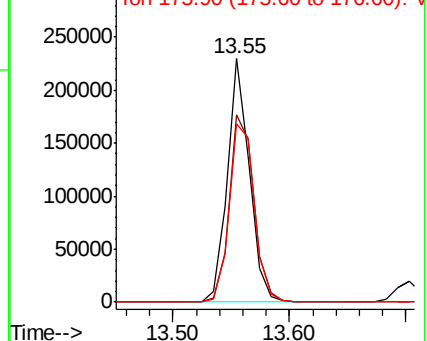
176 73.5 0.0 174.4

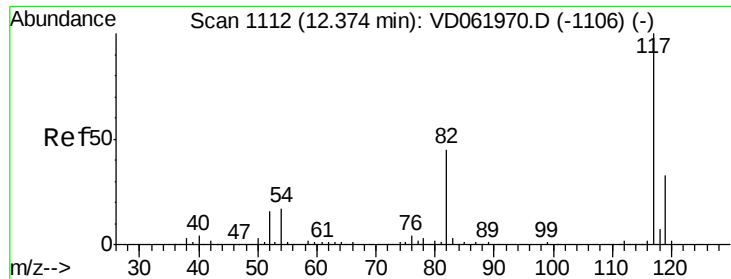


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

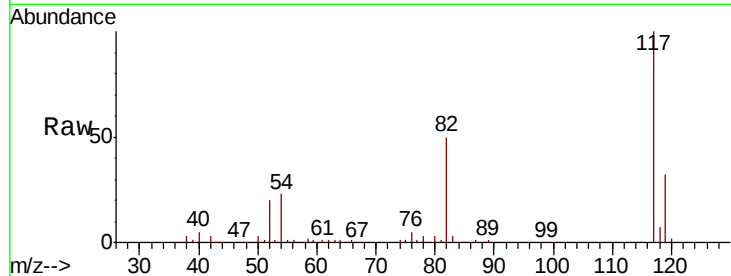




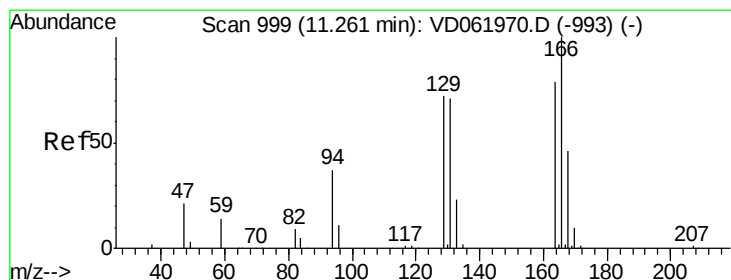
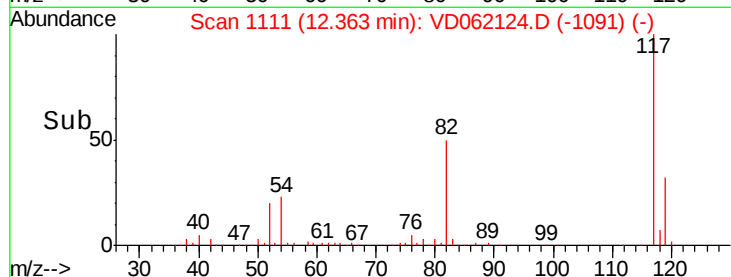
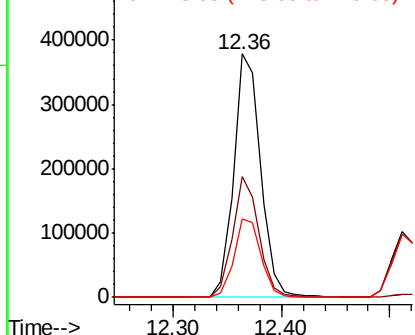
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 653592
Ion Ratio Lower Upper
117 100
82 49.8 36.2 54.2
119 32.1 26.2 39.4

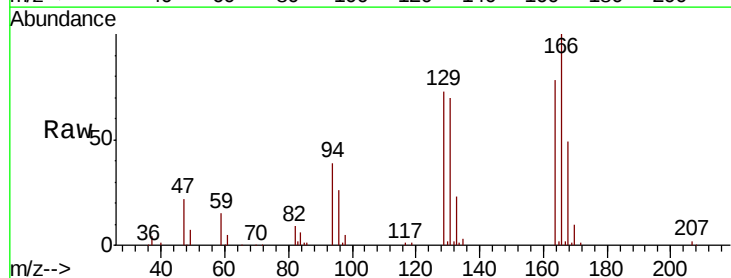


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

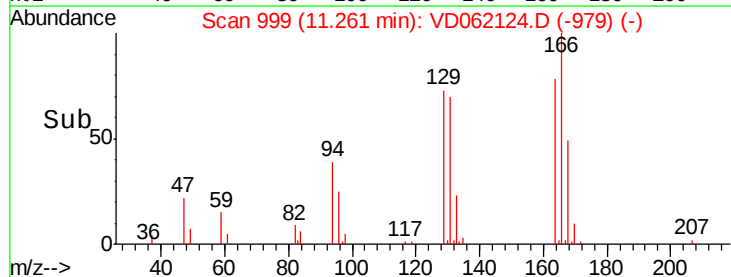
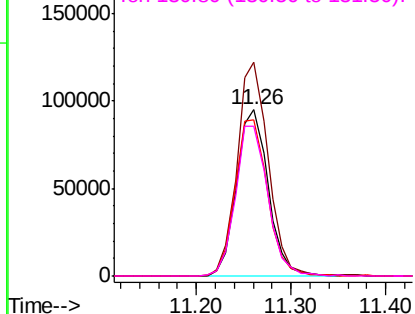


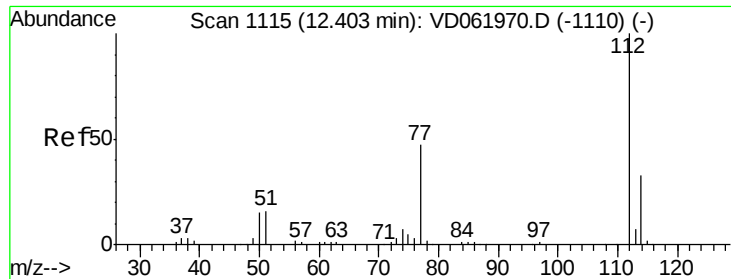
#64
Tetrachloroethene
Concen: 47.022 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Tgt Ion:164 Resp: 219238
Ion Ratio Lower Upper
164 100
166 128.7 101.5 152.3
129 94.0 74.6 112.0
131 90.0 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

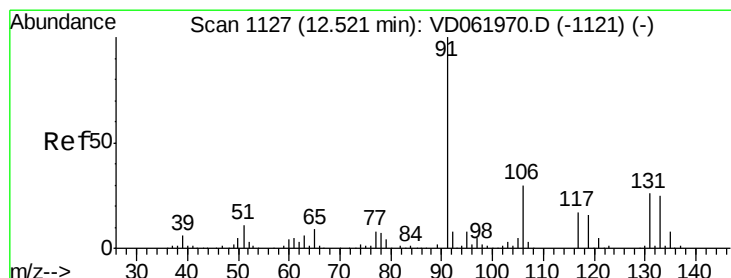
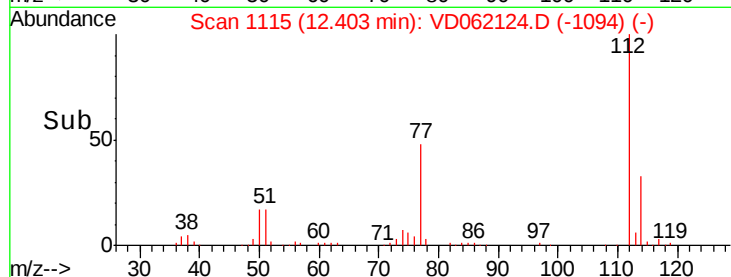
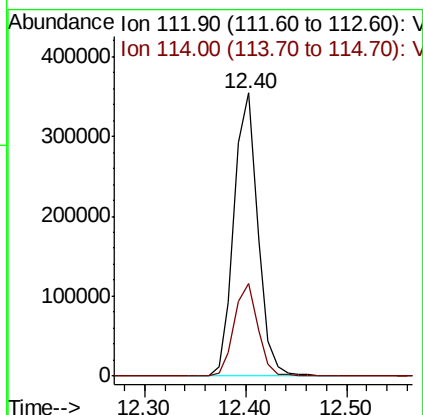
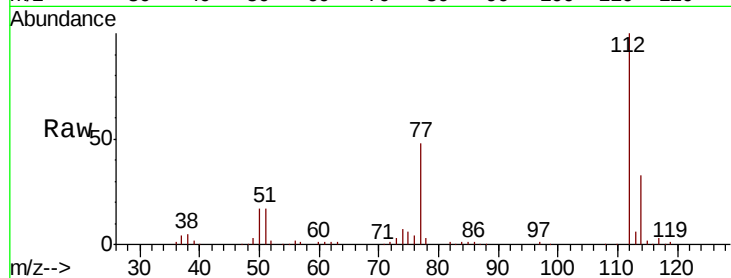




#65
Chlorobenzene
Concen: 47.151 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

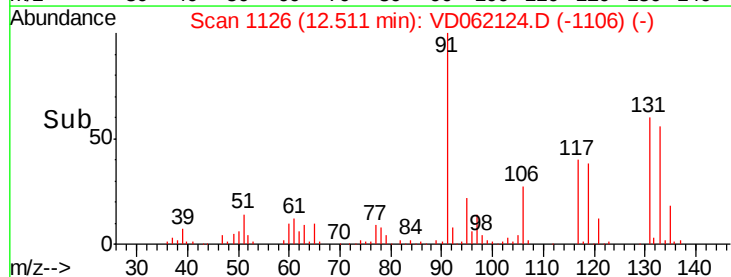
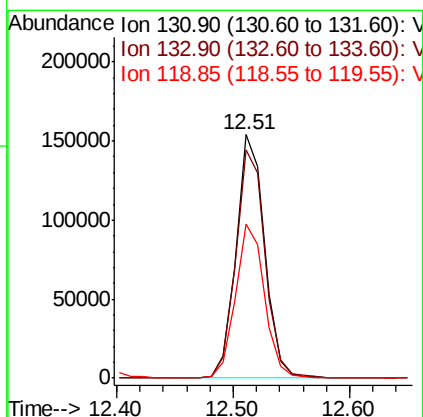
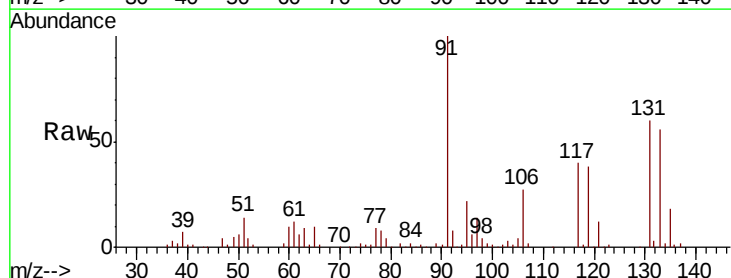
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 582340
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.788 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Tgt Ion:131 Resp: 260831
Ion Ratio Lower Upper
131 100
133 93.5 48.6 145.8
119 63.3 34.7 104.1

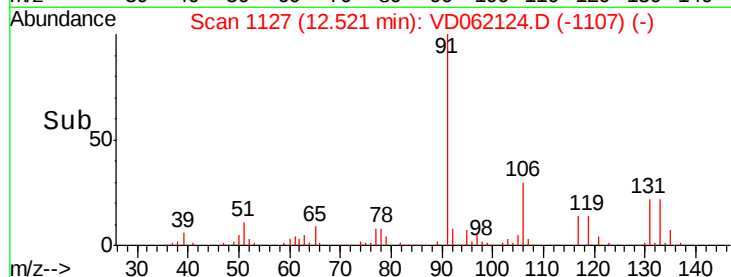
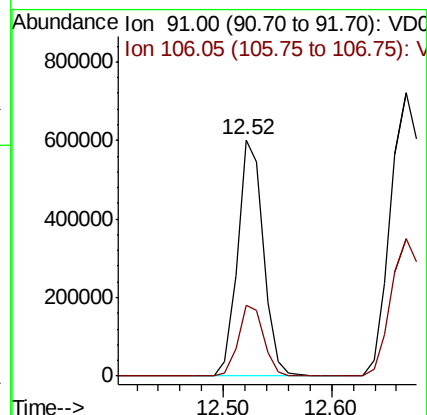
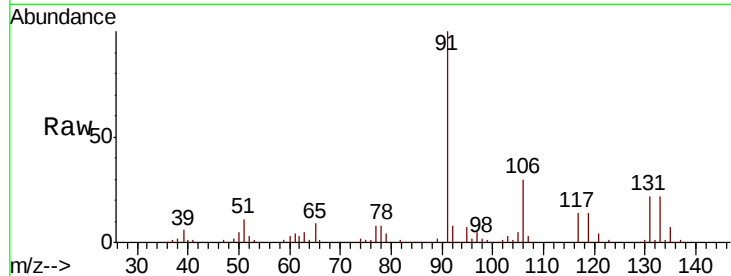




#67
Ethyl Benzene
Concen: 49.319 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

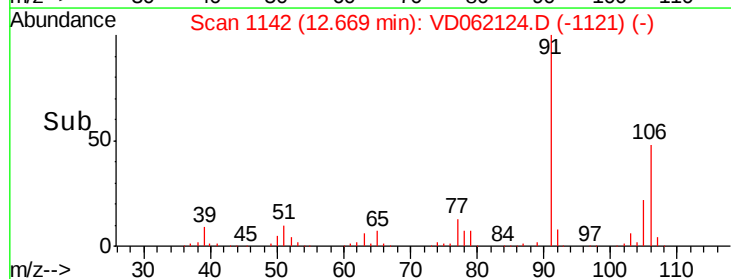
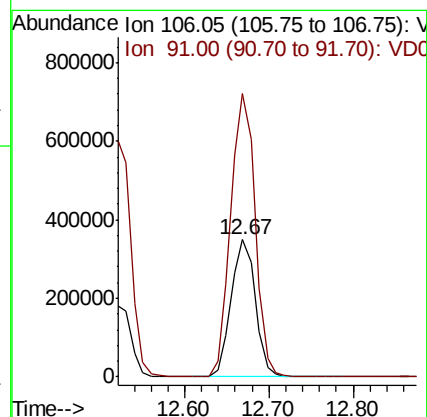
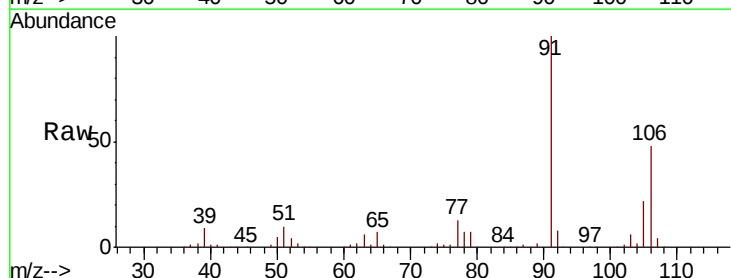
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 994192
Ion Ratio Lower Upper
91 100
106 30.0 24.7 37.1



#68
m/p-Xylenes
Concen: 95.681 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Tgt Ion: 106 Resp: 697115
Ion Ratio Lower Upper
106 100
91 206.2 164.0 246.0

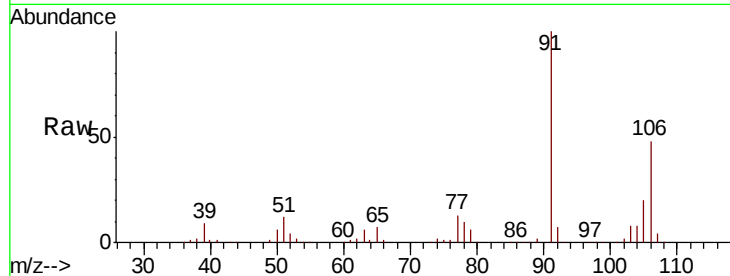




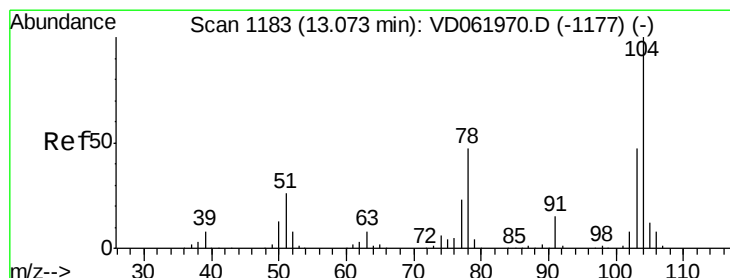
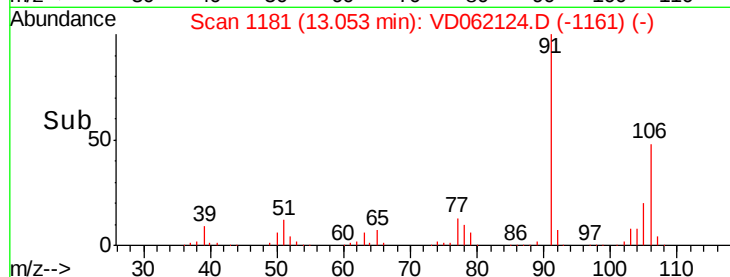
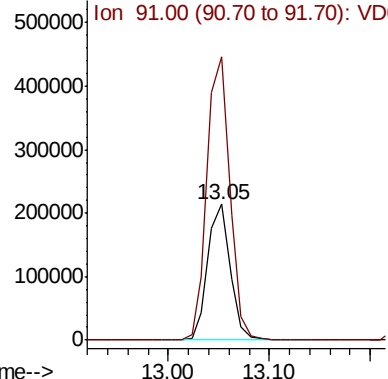
#69
o-Xylene
Concen: 49.622 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 330796
Ion Ratio Lower Upper
106 100
91 208.6 106.7 319.9

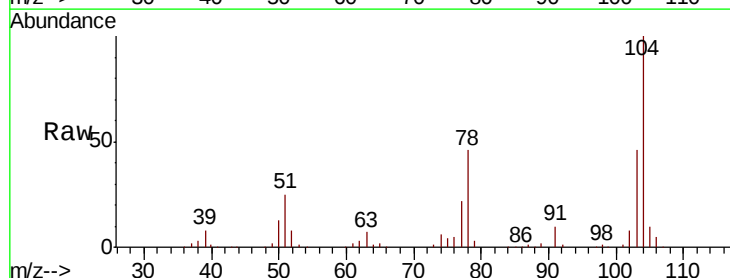


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

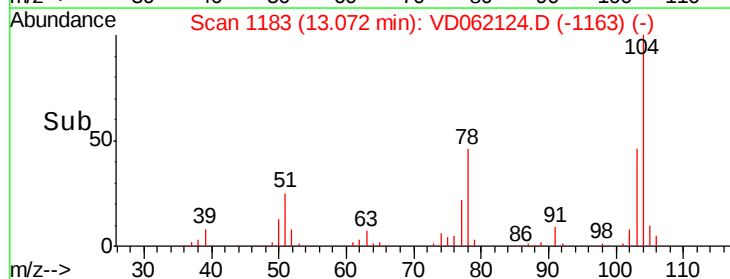
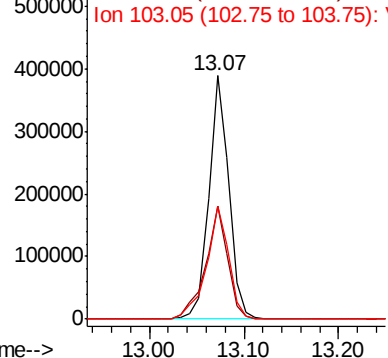


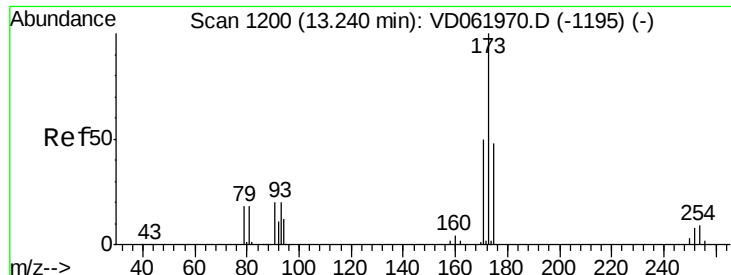
#70
Styrene
Concen: 49.260 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Tgt Ion:104 Resp: 567015
Ion Ratio Lower Upper
104 100
78 46.3 35.4 53.2
103 46.4 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: 54.888 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

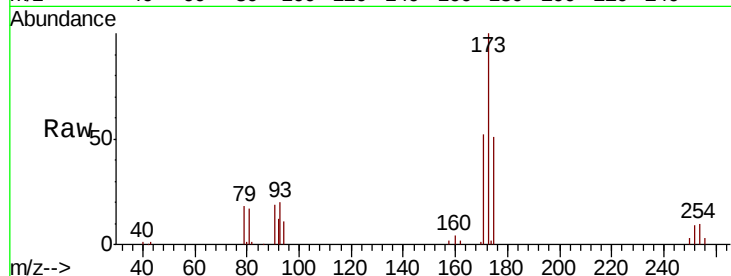
Tot Ion:173 Resp: 163935

Ion Ratio Lower Upper

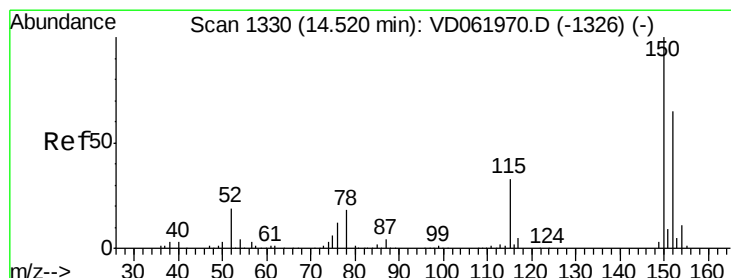
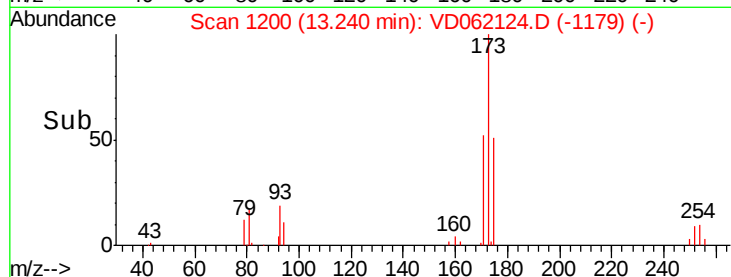
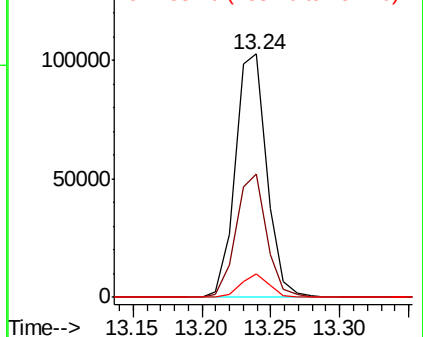
173 100

175 50.8 24.4 73.4

254 9.6 5.4 8.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

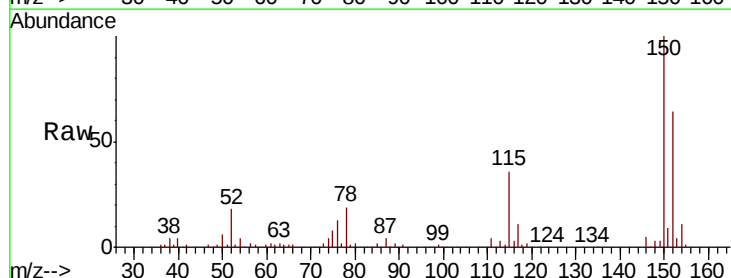
Tgt Ion:152 Resp: 332978

Ion Ratio Lower Upper

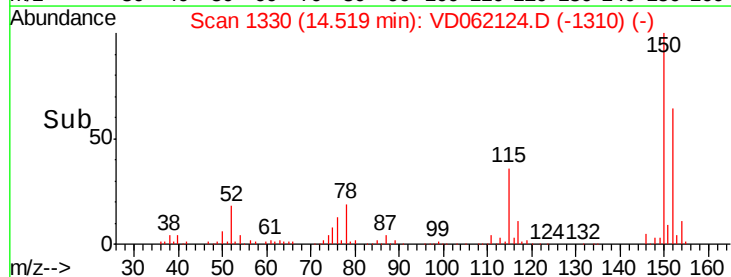
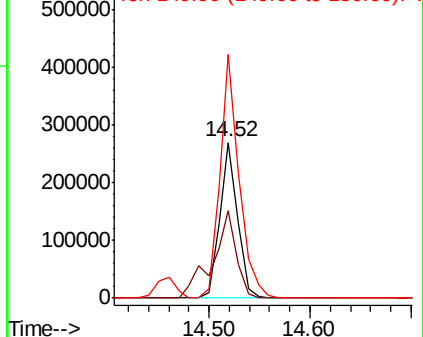
152 100

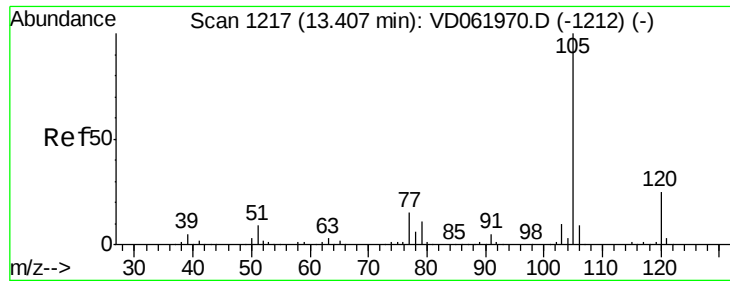
115 56.1 30.9 92.7

150 156.4 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.099 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

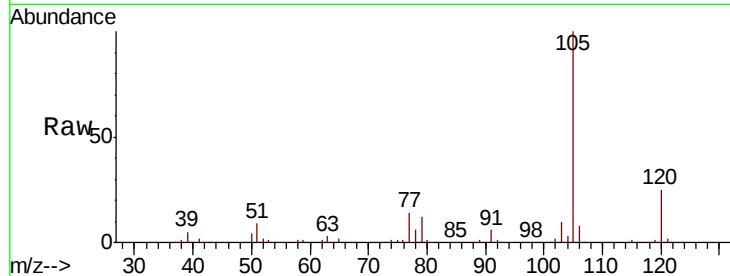
VSTDCCC050

Tot Ion:105 Resp: 1001743

Ion Ratio Lower Upper

105 100

120 25.3 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

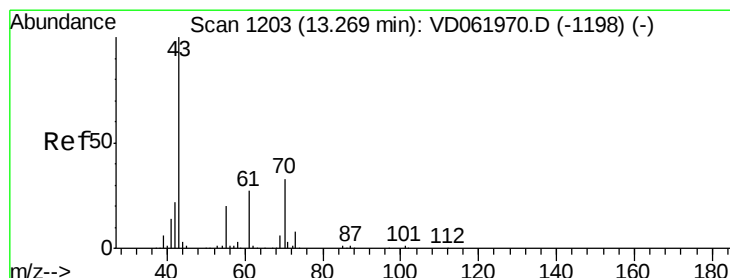
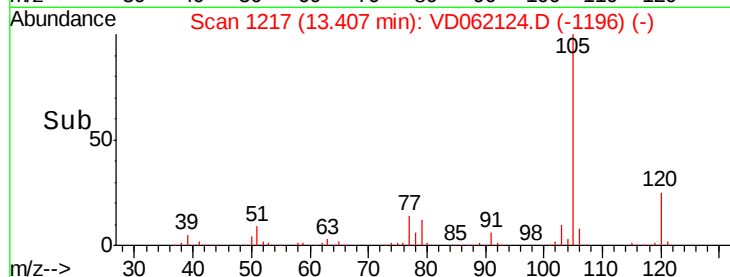
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 39.310 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Tgt Ion: 43 Resp: 224865

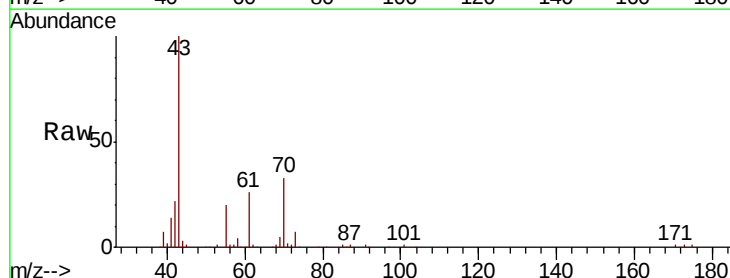
Ion Ratio Lower Upper

43 100

70 32.9 24.2 36.4

55 19.8 16.0 24.0

61 26.4 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

13.27

200000

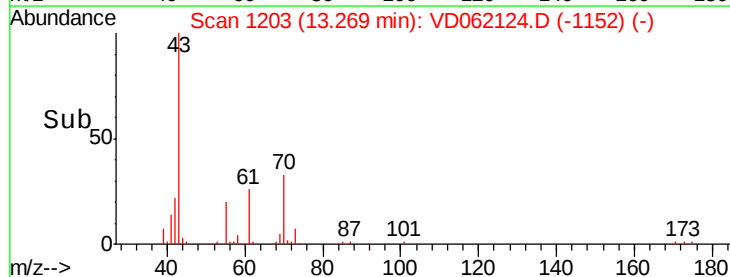
150000

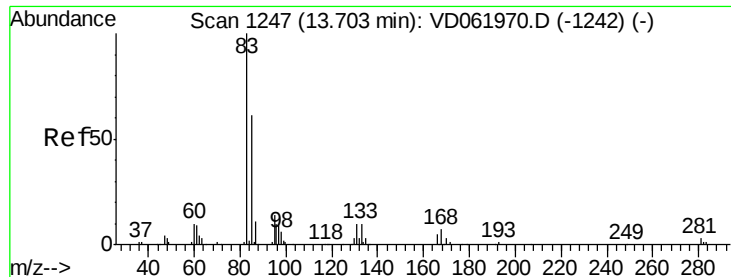
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 41.676 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

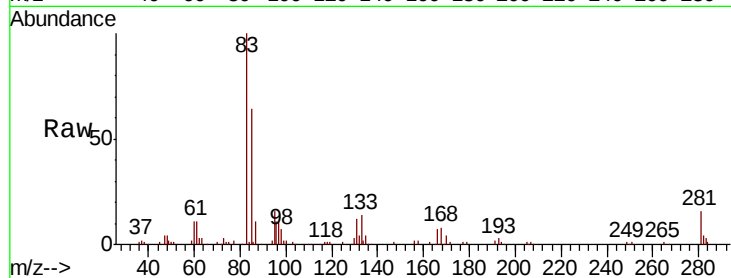
Tot Ion: 83 Resp: 181402

Ion Ratio Lower Upper

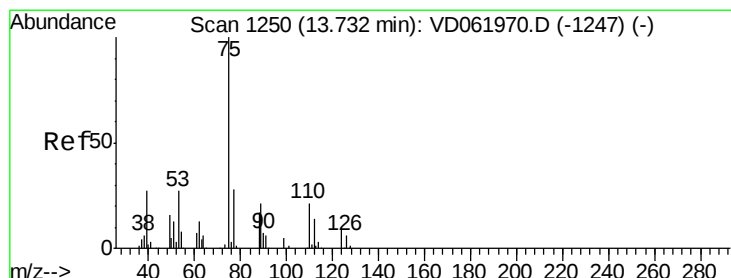
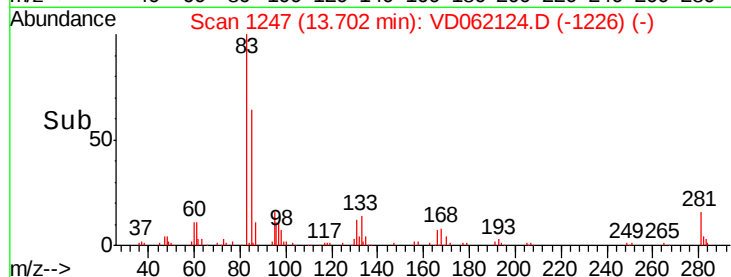
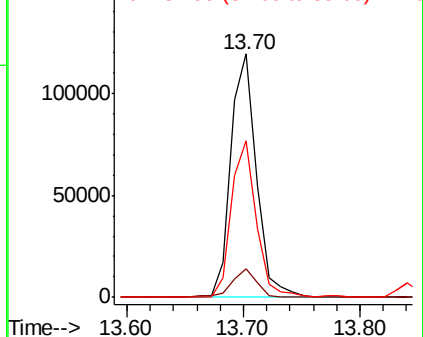
83 100

131 12.0 5.0 14.9

85 64.1 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: 45.720 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062124.D

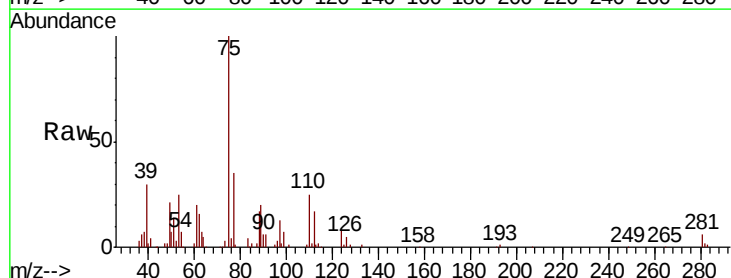
Acq: 6 May 2019 11:43

Tgt Ion: 75 Resp: 193321

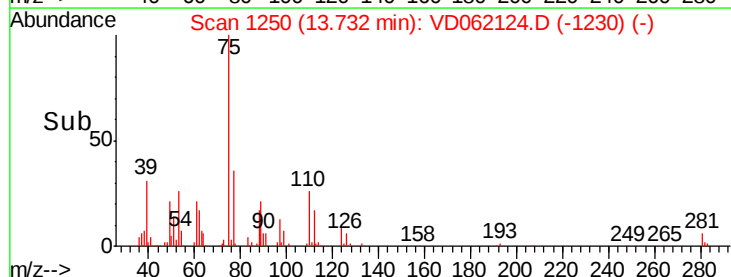
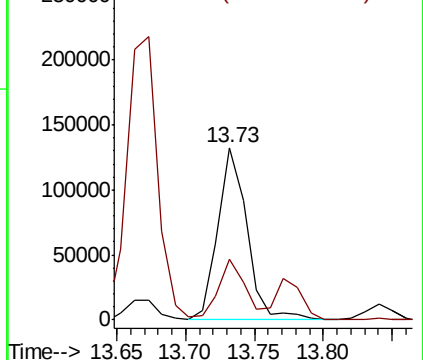
Ion Ratio Lower Upper

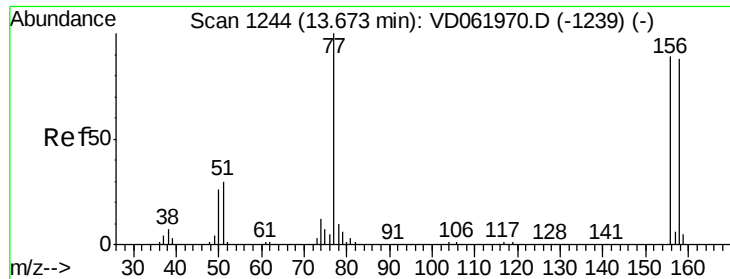
75 100

77 35.0 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: 43.347 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

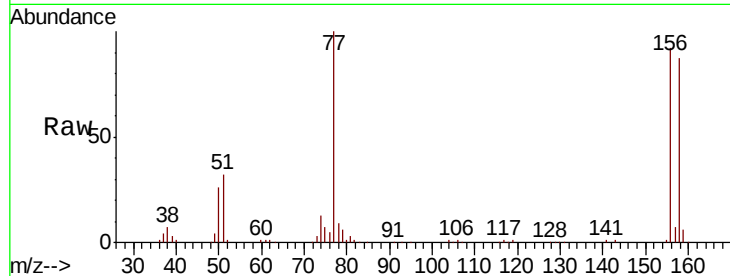
Tot Ion:156 Resp: 276202

Ion Ratio Lower Upper

156 100

77 109.2 53.1 159.4

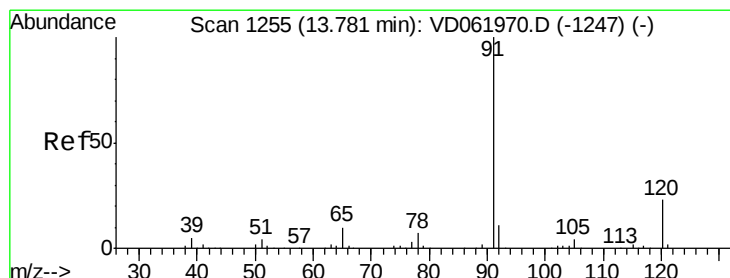
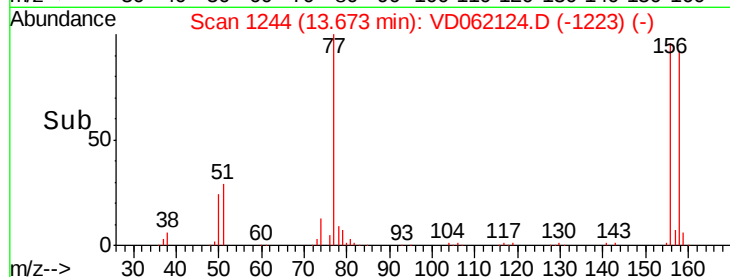
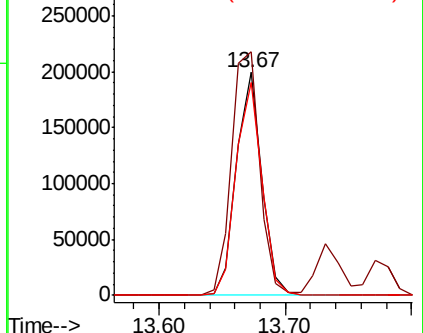
158 95.5 49.4 148.0



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: 44.127 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD062124.D

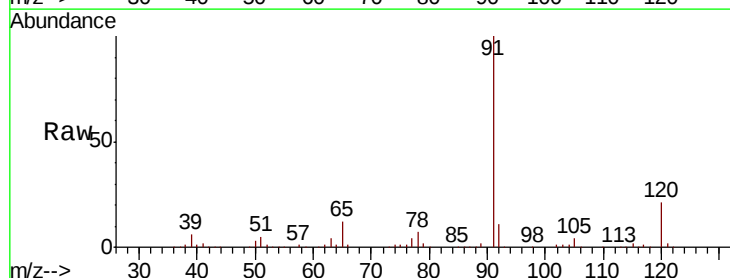
Acq: 6 May 2019 11:43

Tgt Ion: 91 Resp: 1122032

Ion Ratio Lower Upper

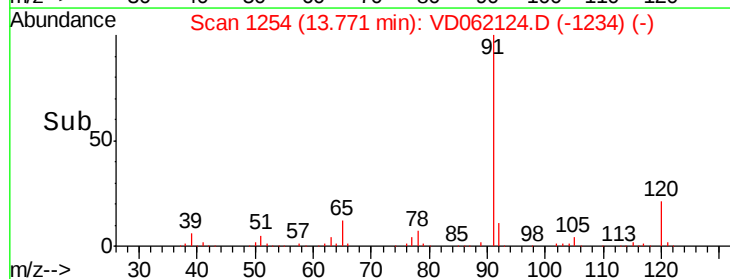
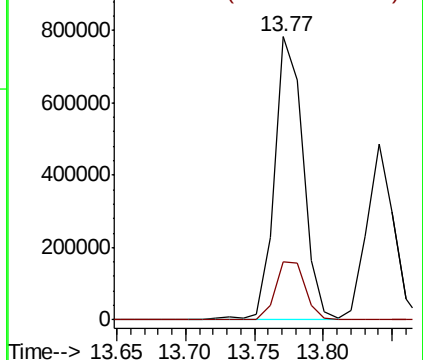
91 100

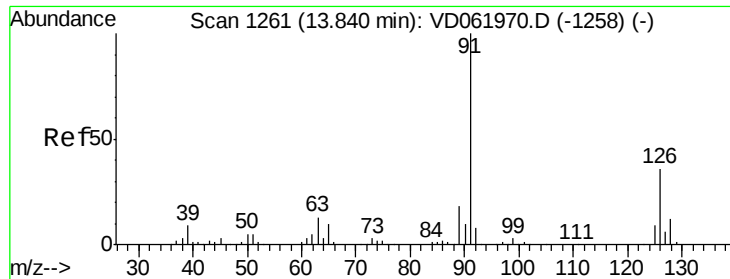
120 20.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

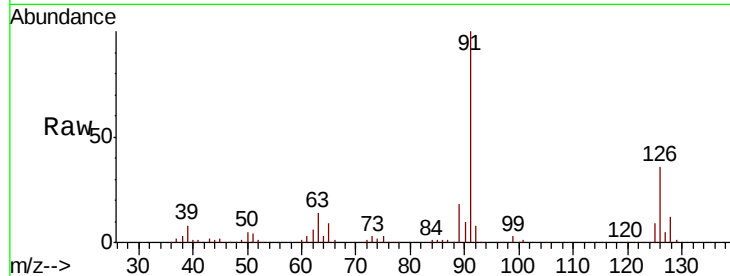




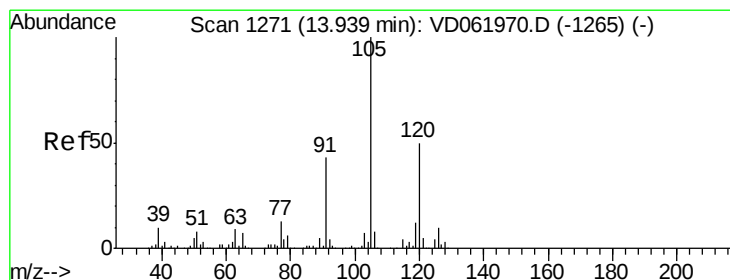
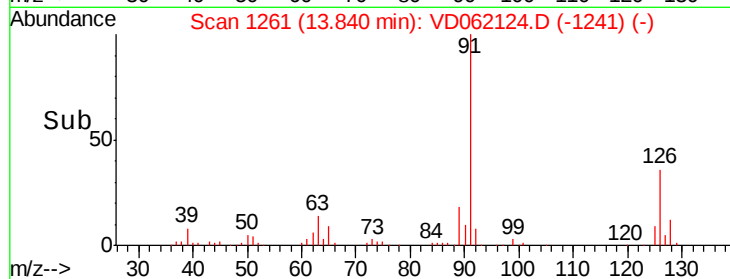
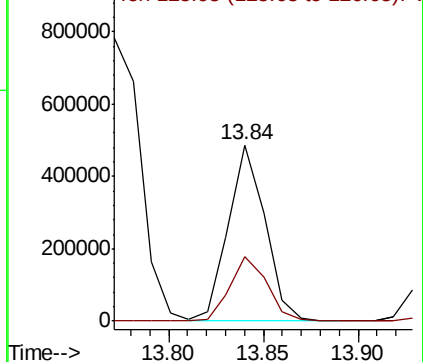
#79
 2-Chlorotoluene
 Concen: 42.510 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 654726
 Ion Ratio Lower Upper
 91 100
 126 36.3 18.6 55.8

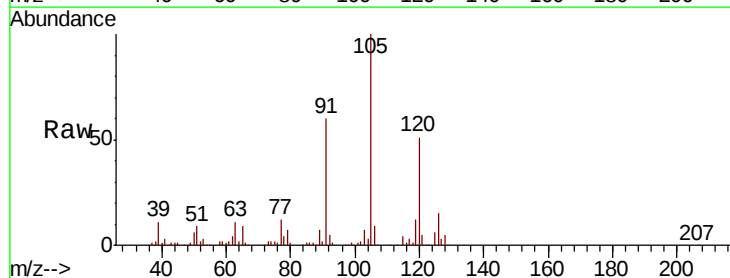


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

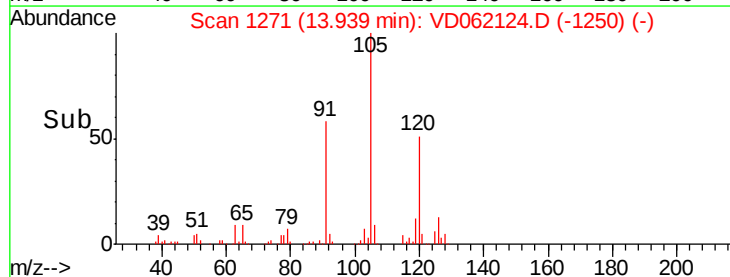
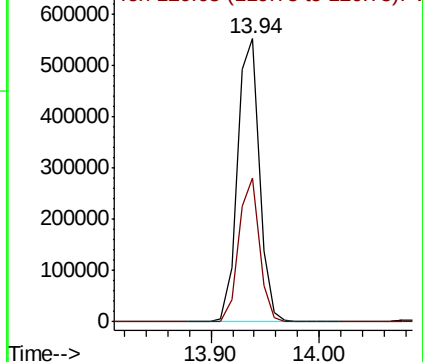


#80
 1,3,5-Trimethylbenzene
 Concen: 43.819 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

Tgt Ion:105 Resp: 776071
 Ion Ratio Lower Upper
 105 100
 120 50.9 24.0 72.0



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

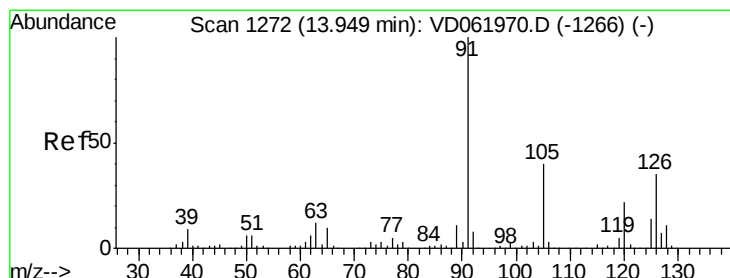
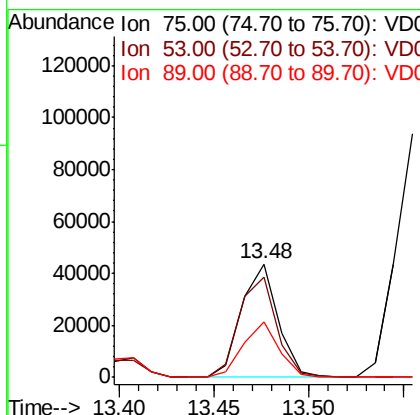
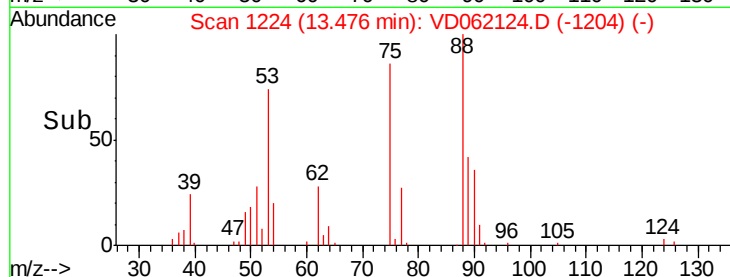
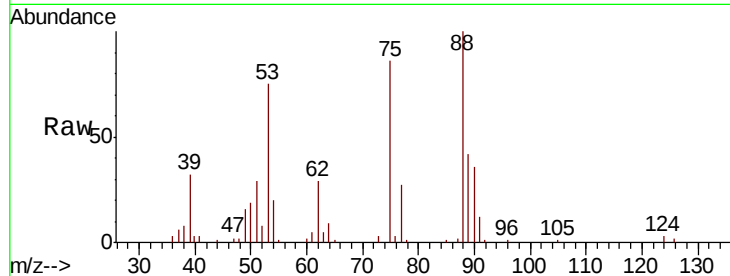




#81
trans-1,4-Dichloro-2-butene
Concen: 45.771 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

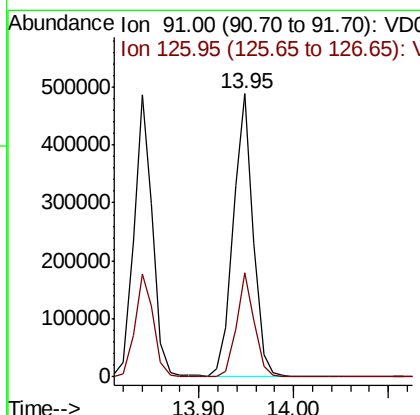
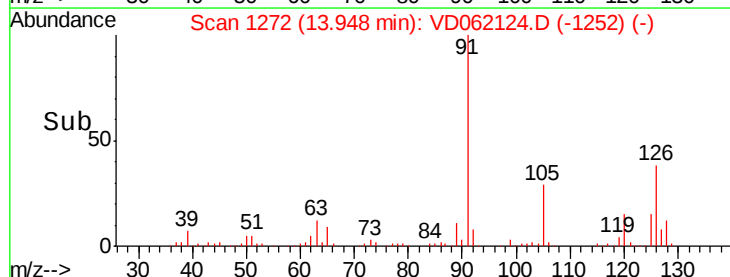
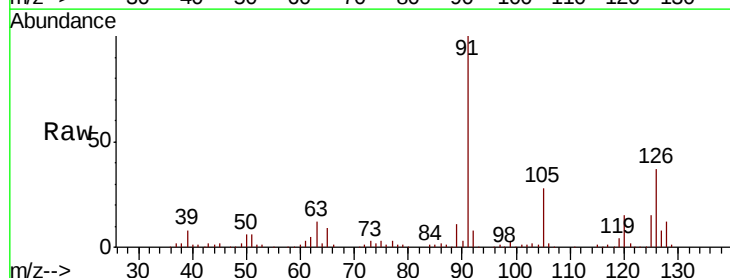
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

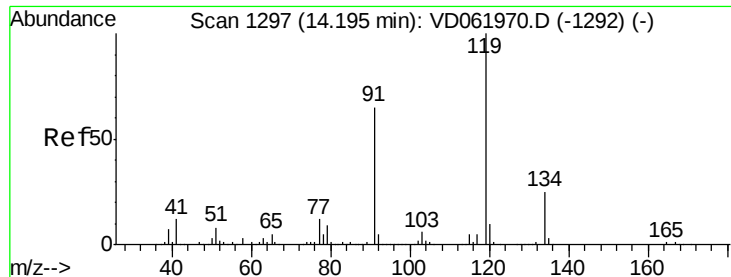
Tot Ion: 75 Resp: 58648
Ion Ratio Lower Upper
75 100
53 88.0 65.8 98.8
89 48.5 35.0 52.6



#82
4-Chlorotoluene
Concen: 41.606 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Tgt Ion: 91 Resp: 705714
Ion Ratio Lower Upper
91 100
126 36.7 19.1 57.5

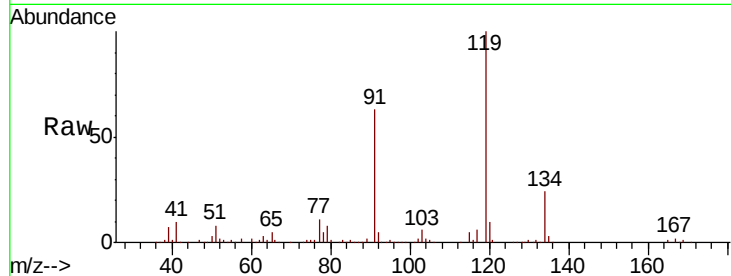




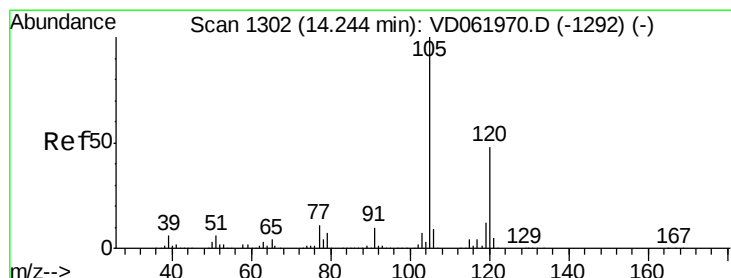
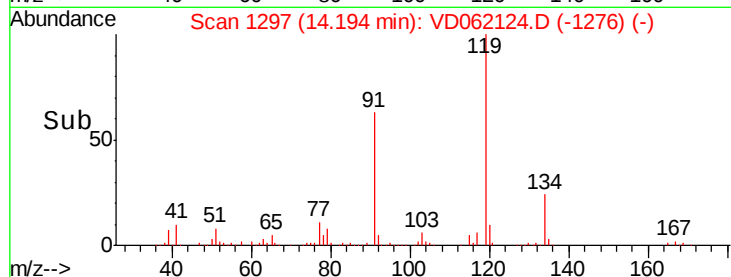
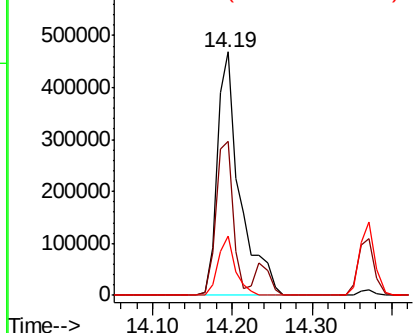
#83
tert-Butylbenzene
Concen: 45.490 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 933320
Ion Ratio Lower Upper
119 100
91 63.4 34.2 102.6
134 24.1 12.0 36.0

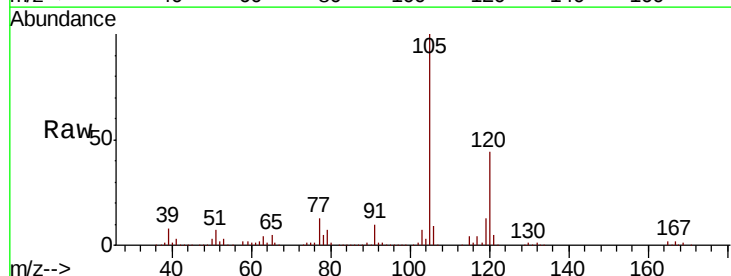


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

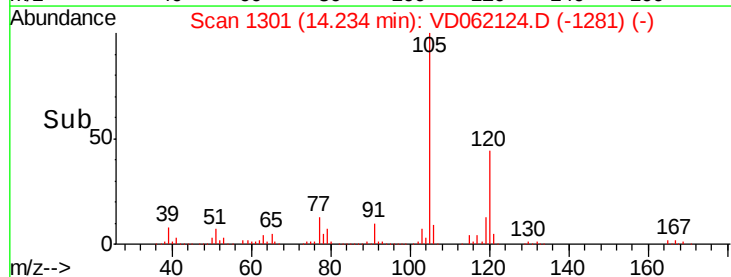
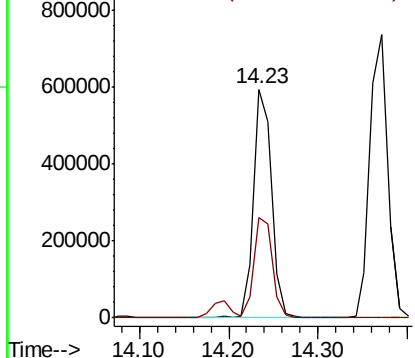


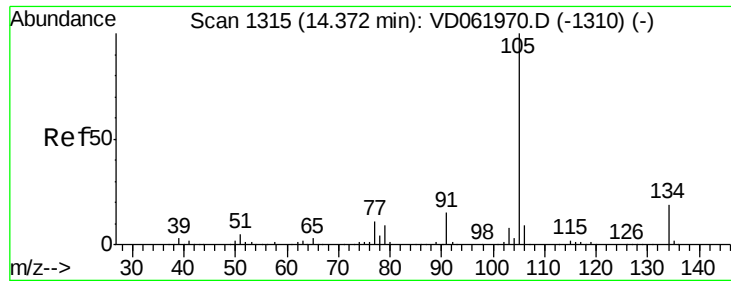
#84
1,2,4-Trimethylbenzene
Concen: 48.608 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Tgt Ion:105 Resp: 822019
Ion Ratio Lower Upper
105 100
120 43.9 23.1 69.2



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

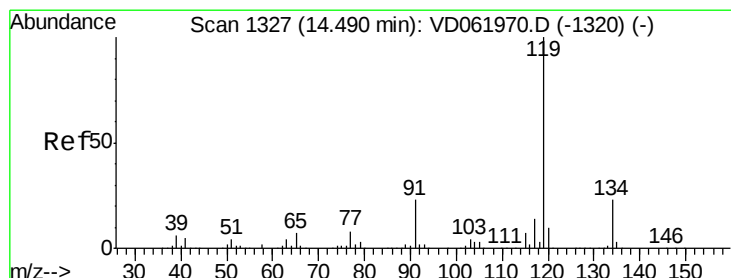
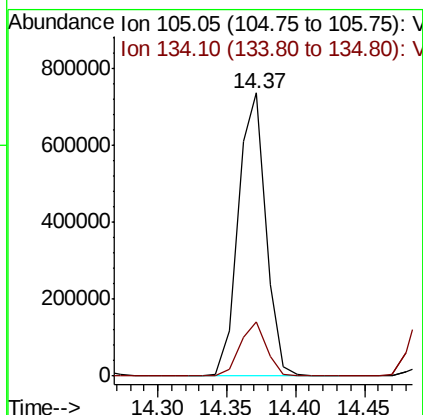
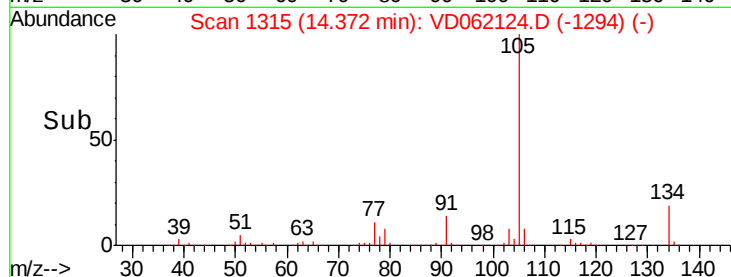
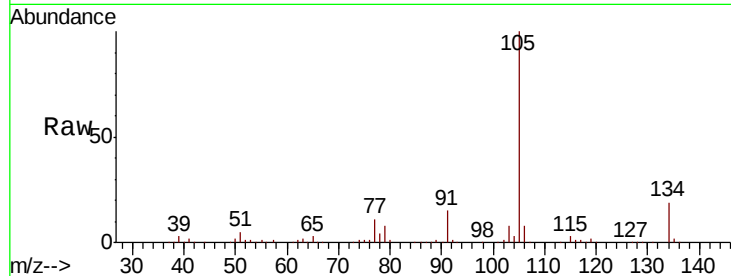




#85
 sec-Butylbenzene
 Concen: 46.145 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

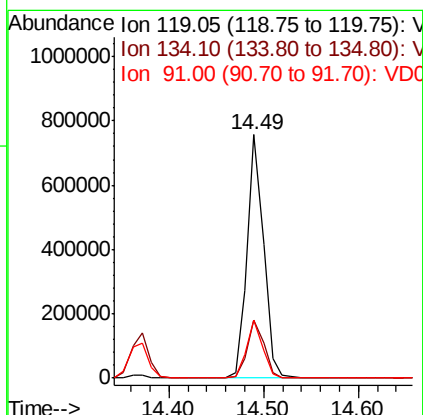
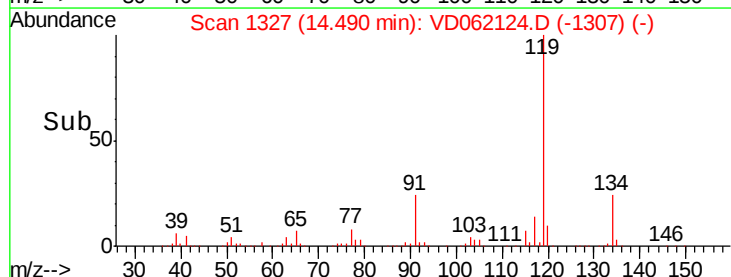
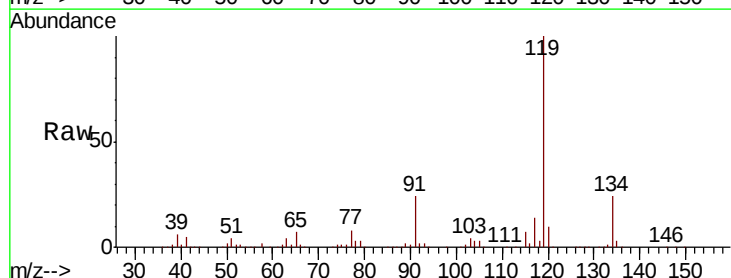
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1022979
 Ion Ratio Lower Upper
 105 100
 134 19.2 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 46.153 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

Tgt Ion:119 Resp: 915714
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.8 38.3
 91 24.1 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 43.749 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

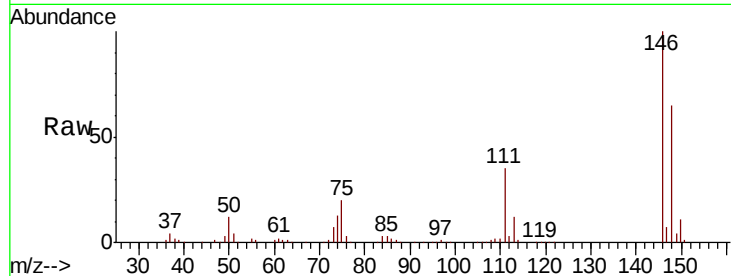
Tot Ion:146 Resp: 488169

Ion Ratio Lower Upper

146 100

111 35.4 20.0 60.0

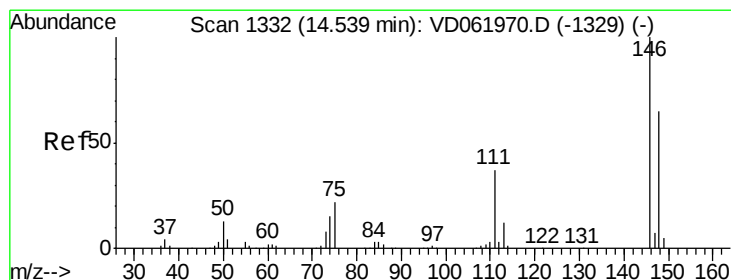
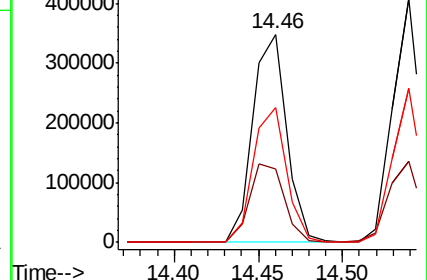
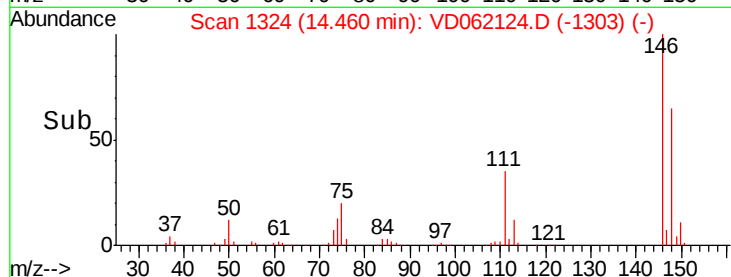
148 64.8 31.8 95.4



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: 47.534 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

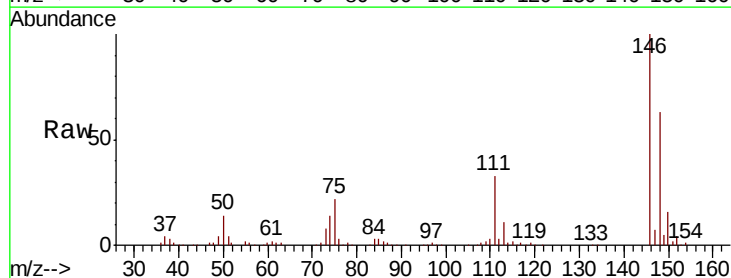
Tgt Ion:146 Resp: 496031

Ion Ratio Lower Upper

146 100

111 33.1 20.2 60.5

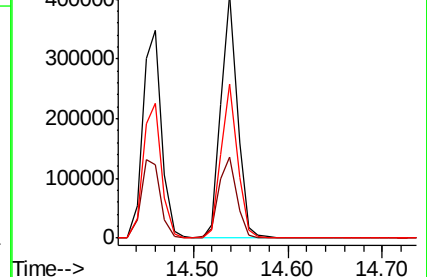
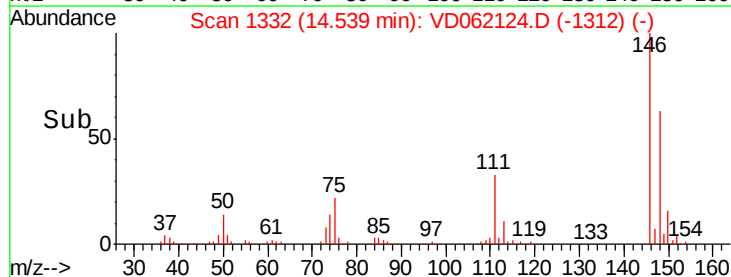
148 63.3 32.0 96.2

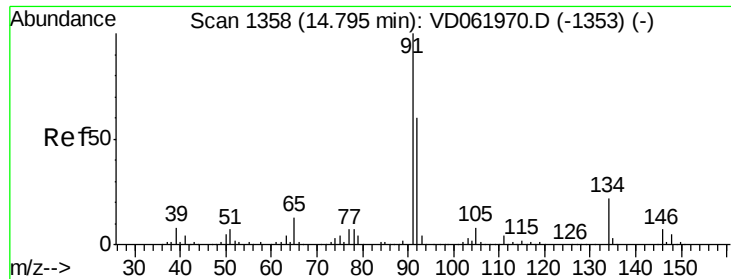


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 43.605 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

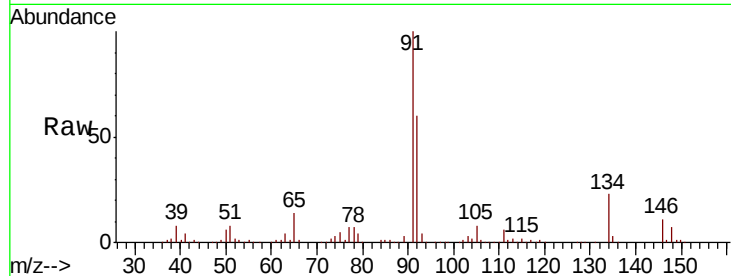
Tot Ion: 91 Resp: 776720

Ion Ratio Lower Upper

91 100

92 60.3 30.3 91.0

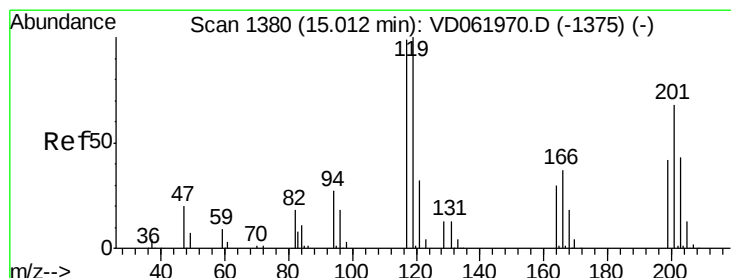
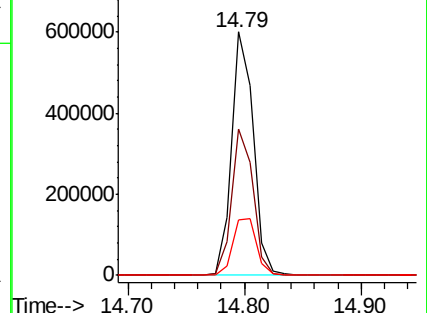
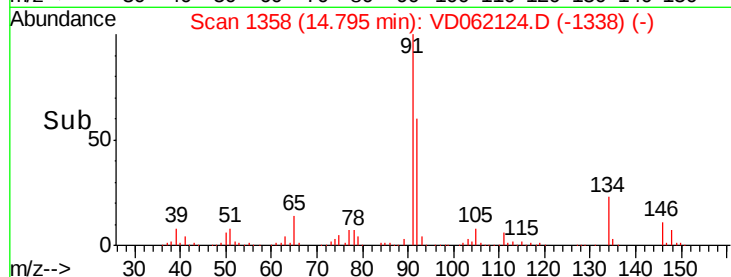
134 22.6 14.5 43.6



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: 42.717 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD062124.D

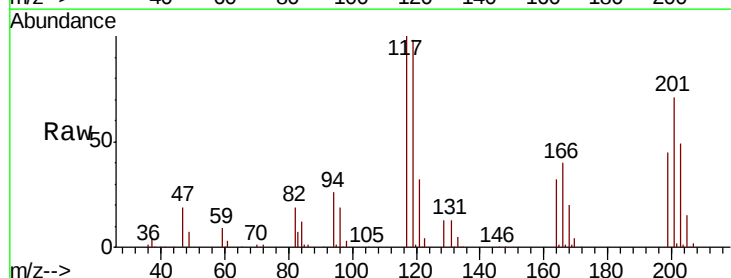
Acq: 6 May 2019 11:43

Tgt Ion: 117 Resp: 229179

Ion Ratio Lower Upper

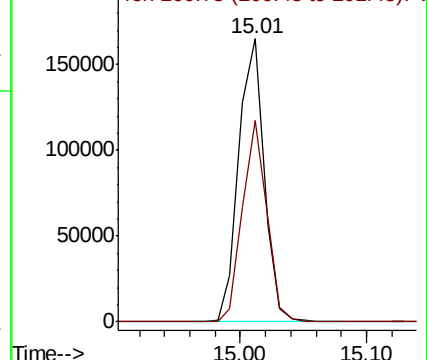
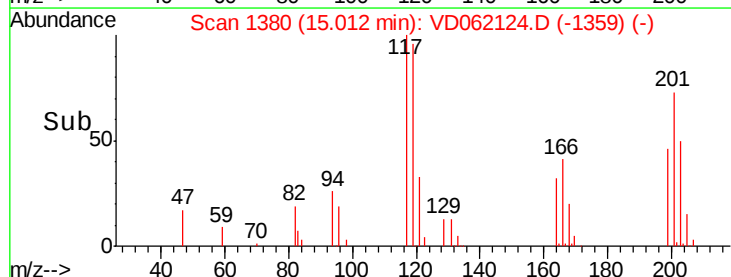
117 100

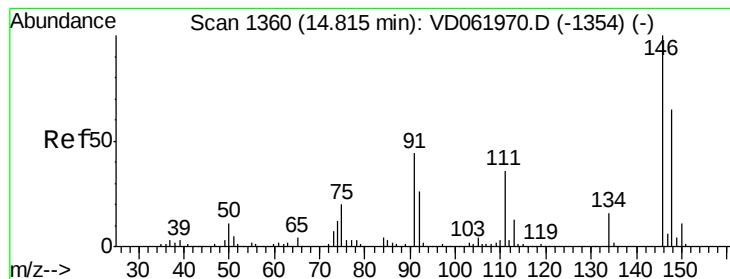
201 71.3 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 44.420 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

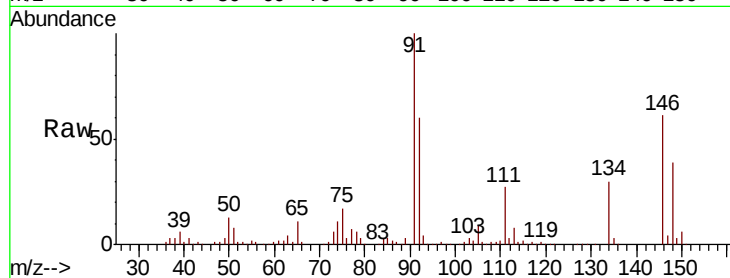
Tot Ion:146 Resp: 408863

Ion Ratio Lower Upper

146 100

111 44.4 20.0 59.9

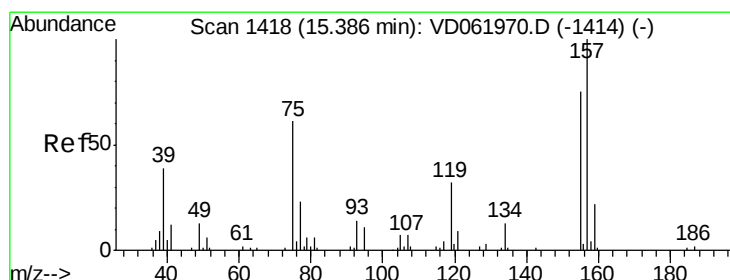
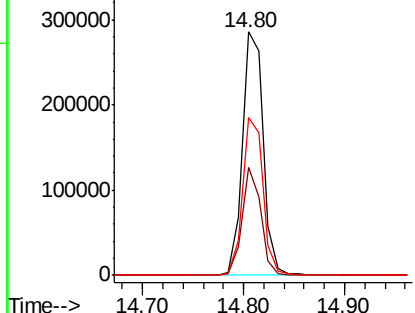
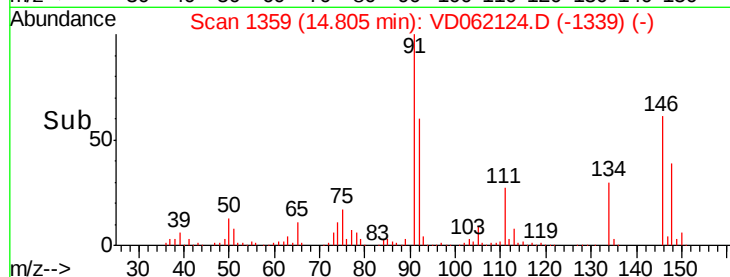
148 64.7 32.3 96.8



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: 43.652 ug/l

RT: 15.39 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD062124.D

Acq: 6 May 2019 11:43

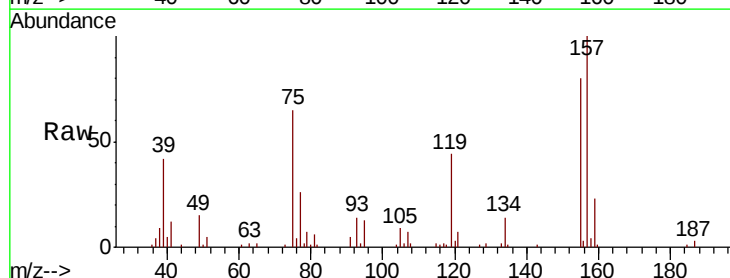
Tgt Ion: 75 Resp: 27845

Ion Ratio Lower Upper

75 100

155 121.9 55.3 165.8

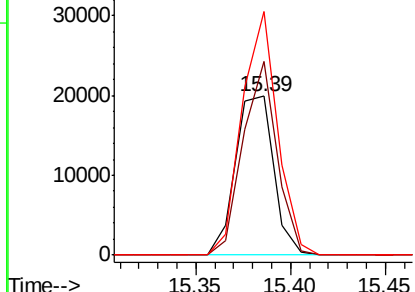
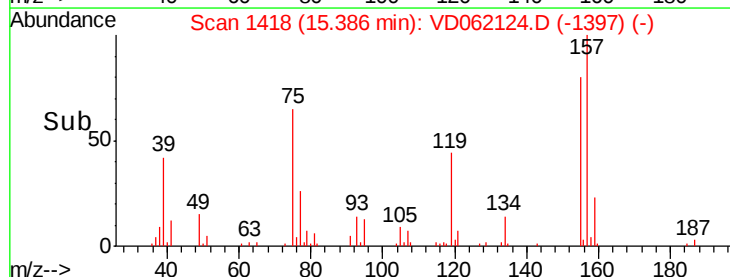
157 153.2 67.8 203.2

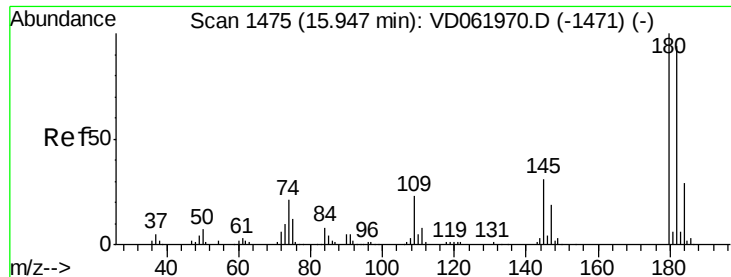


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

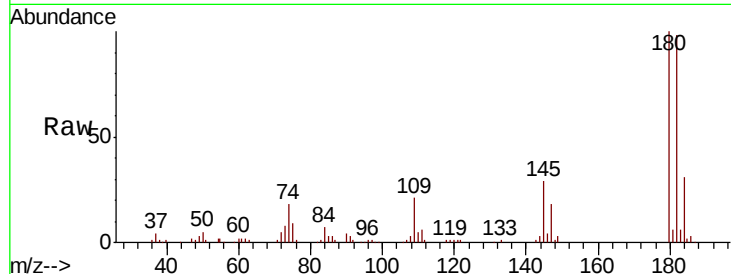




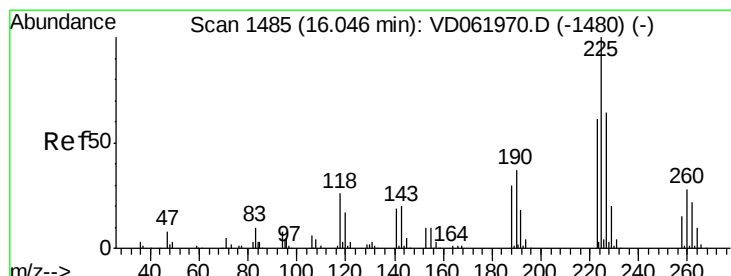
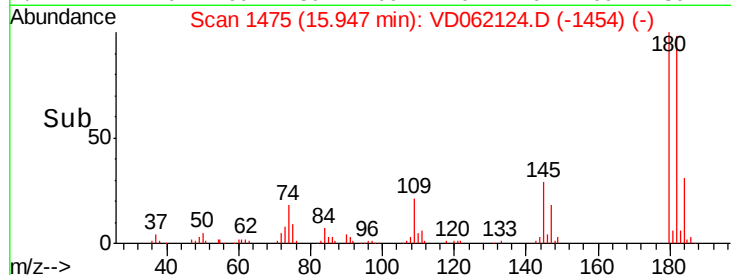
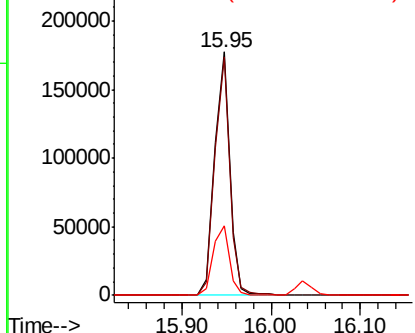
#93
 1,2,4-Trichlorobenzene
 Concen: 42.627 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 211700
 Ion Ratio Lower Upper
 180 100
 182 98.1 49.3 147.8
 145 28.6 16.2 48.6

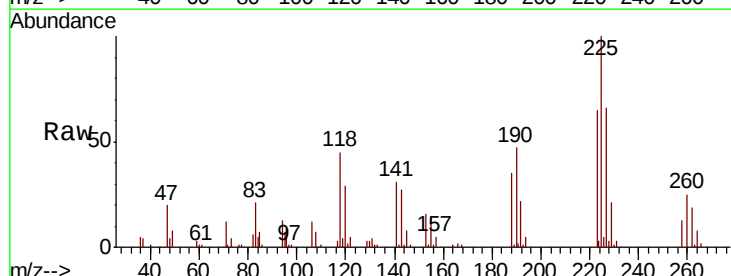


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

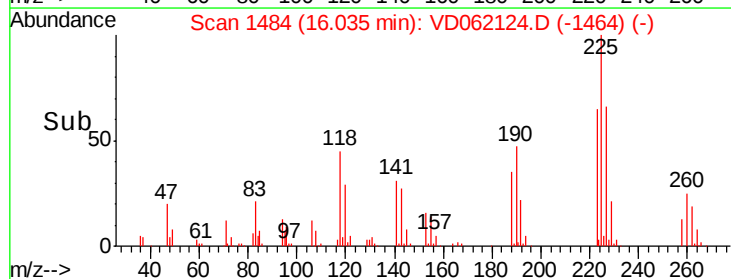
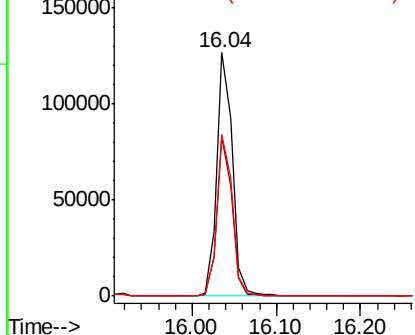


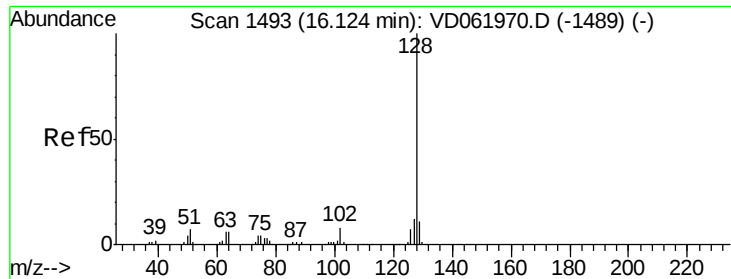
#94
 Hexachlorobutadiene
 Concen: 44.528 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062124.D
 Acq: 6 May 2019 11:43

Tgt Ion:225 Resp: 163652
 Ion Ratio Lower Upper
 225 100
 223 65.1 30.6 92.0
 227 66.5 32.0 96.2



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

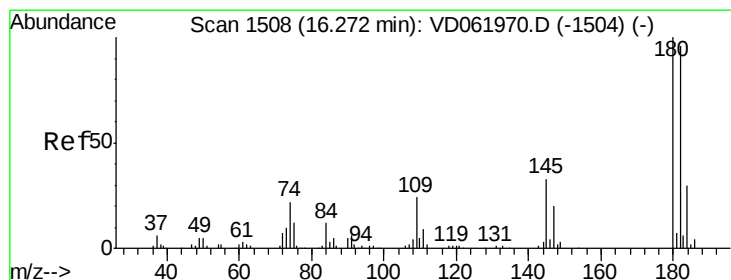
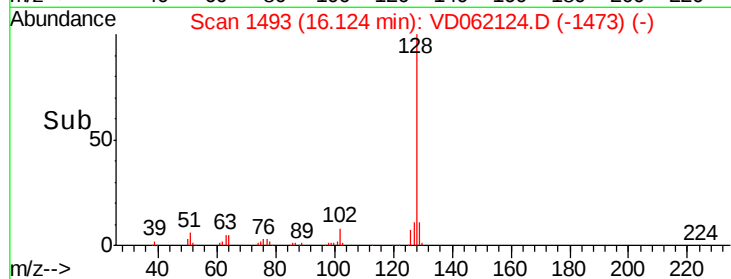
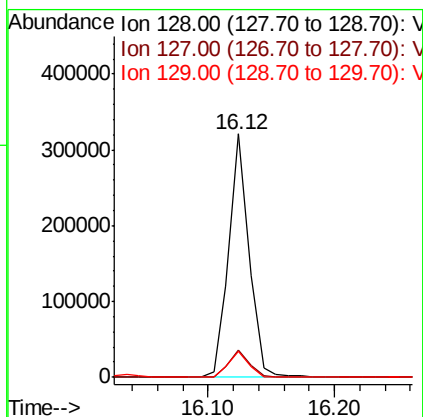
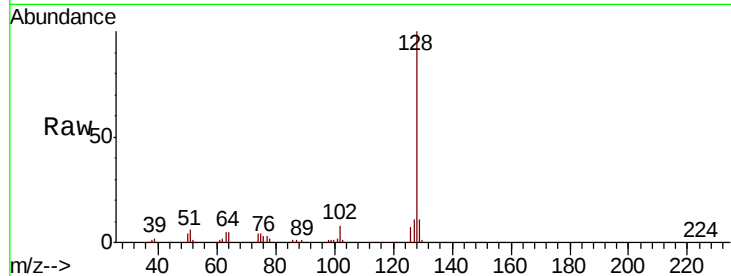




#95
Naphthalene
Concen: 44.661 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 358119
Ion Ratio Lower Upper
128 100
127 11.4 9.8 14.8
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 46.889 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD062124.D
Acq: 6 May 2019 11:43

Tgt Ion:180 Resp: 132123
Ion Ratio Lower Upper
180 100
182 94.0 47.0 141.0
145 29.9 17.0 51.0

