

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062831.D
 Acq On : 24 Jun 2019 10:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 25 05:01:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	933625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1252372	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1084786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	552488	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	572896	56.45	ug/l	0.00
Spiked Amount			Recovery	=	112.90%	
35) Dibromofluoromethane	6.93	113	552491	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
50) Toluene-d8	10.42	98	1208010	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
62) 4-Bromofluorobenzene	13.56	95	576510	55.16	ug/l	0.00
Spiked Amount			Recovery	=	110.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	514921	42.621	ug/l	99
3) Chloromethane	1.75	50	379334	41.749	ug/l	94
4) Vinyl Chloride	1.85	62	401635	44.583	ug/l	99
5) Bromomethane	2.16	94	190703	45.202	ug/l	99
6) Chloroethane	2.27	64	203039	49.782	ug/l #	88
7) Trichlorofluoromethane	2.54	101	870233	47.731	ug/l	100
8) Diethyl Ether	2.87	74	125151	54.026	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	467839	47.366	ug/l	99
10) Methyl Iodide	3.31	142	595673	45.713	ug/l	99
11) Tert butyl alcohol	4.10	59	123551	267.309	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	346897	46.818	ug/l	91
13) Acrolein	3.04	56	123591	261.925	ug/l	96
14) Allyl chloride	3.62	41	521074	47.594	ug/l	93
15) Acrylonitrile	4.21	53	261710	240.973	ug/l	96
16) Acetone	3.23	43	555906	270.699	ug/l	97
17) Carbon Disulfide	3.38	76	1057415	44.653	ug/l	95
18) Methyl Acetate	3.65	43	166747	54.430	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	844084	52.623	ug/l	96
20) Methylene Chloride	3.82	84	332399	42.948	ug/l	91
21) trans-1,2-Dichloroethene	4.22	96	350313	44.402	ug/l	92
22) Diisopropyl ether	5.13	45	1103663	49.569	ug/l #	85
23) Vinyl Acetate	5.07	43	3623983	260.113	ug/l	97
24) 1,1-Dichloroethane	4.99	63	681555	47.015	ug/l	99
25) 2-Butanone	6.08	43	515208	271.440	ug/l	95
26) 2,2-Dichloropropane	6.03	77	771843	50.232	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	389976	46.742	ug/l	92
28) Bromochloromethane	6.45	49	218275	42.752	ug/l	99
29) Tetrahydrofuran	6.47	42	236322	263.152	ug/l	97
30) Chloroform	6.67	83	836906	47.471	ug/l	95
31) Cyclohexane	6.97	56	413709	43.411	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	840832	45.790	ug/l	95
36) 1,1-Dichloropropene	7.16	75	569268	48.017	ug/l	97
37) Ethyl Acetate	6.19	43	256153	51.467	ug/l	96
38) Carbon Tetrachloride	7.12	117	948531	53.198	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	471307	45.163	ug/l	99
40) Benzene	7.46	78	1152684	48.437	ug/l	99
41) Methacrylonitrile	6.47	41	327431	52.371	ug/l #	89
42) 1,2-Dichloroethane	7.59	62	649819	50.055	ug/l	98
43) Isopropyl Acetate	9.24	43	334749	53.858	ug/l #	95
44) Trichloroethene	8.55	130	464687	49.807	ug/l	91
45) 1,2-Dichloropropane	8.95	63	271545	45.889	ug/l	96
46) Dibromomethane	9.08	93	241195	47.450	ug/l	94
47) Bromodichloromethane	9.38	83	655971	49.689	ug/l	97
48) Methyl methacrylate	9.13	41	212212	48.046	ug/l #	88
49) 1,4-Dioxane	9.10	88	37445	1019.000	ug/l #	91
51) 4-Methyl-2-Pentanone	10.31	43	1168437	265.150	ug/l	97
52) Toluene	10.51	92	721006	45.072	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	573443	53.071	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	555224	47.276	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	271974	49.487	ug/l	89
56) Ethyl methacrylate	11.05	69	296550	50.490	ug/l	94
57) 1,3-Dichloropropane	11.42	76	421775	50.121	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	748930	248.376	ug/l	97
59) 2-Hexanone	11.54	43	907809	289.258	ug/l	96
60) Dibromochloromethane	11.70	129	523392	51.128	ug/l	97
61) 1,2-Dibromoethane	11.81	107	320009	49.301	ug/l	99
64) Tetrachloroethene	11.26	164	403867	45.236	ug/l	96
65) Chlorobenzene	12.40	112	916530	45.525	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	462404	49.113	ug/l	96
67) Ethyl Benzene	12.53	91	1739243	48.118	ug/l	99
68) m/p-Xylenes	12.67	106	1165472	92.577	ug/l	99
69) o-Xylene	13.05	106	525180	45.634	ug/l	95
70) Styrene	13.07	104	923272	45.675	ug/l	98
71) Bromoform	13.24	173	339336	52.605	ug/l	96
73) Isopropylbenzene	13.41	105	1664647	46.991	ug/l	100
74) N-amyl acetate	13.27	43	489119	56.856	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	286058	49.561	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	333889	52.349	ug/l	99
77) Bromobenzene	13.67	156	453470	47.593	ug/l	90
78) n-propylbenzene	13.78	91	1964026	47.635	ug/l	100
79) 2-Chlorotoluene	13.84	91	1075361	45.638	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1516417	50.963	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	90923	54.393	ug/l	96
82) 4-Chlorotoluene	13.95	91	1415592	49.902	ug/l	97
83) tert-Butylbenzene	14.20	119	1722838	51.945	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	1518143	49.779	ug/l	98
85) sec-Butylbenzene	14.37	105	1604644	44.514	ug/l	99
86) p-Isopropyltoluene	14.49	119	1682345	51.014	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	904928	52.982	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	786909	45.870	ug/l	99
89) n-Butylbenzene	14.81	91	1498859	48.560	ug/l	95
90) Hexachloroethane	15.01	117	449995	50.751	ug/l	98
91) 1,2-Dichlorobenzene	14.82	146	769046	52.627	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	68494	60.800	ug/l #	49

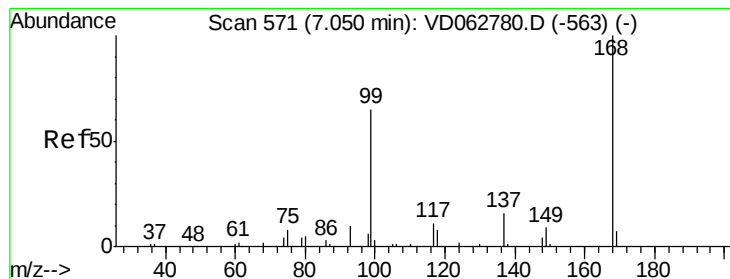
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	605140	53.011	ug/l	98
94) Hexachlorobutadiene	16.04	225	444361	50.954	ug/l	100
95) Naphthalene	16.13	128	818191	51.138	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	476364	54.312	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

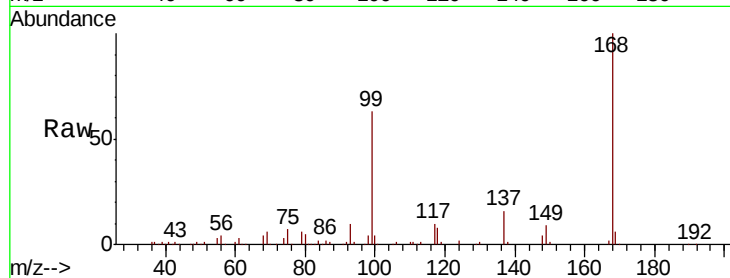
VSTDCCC050

Tot Ion:168 Resp: 933625

Ion Ratio Lower Upper

168 100

99 63.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

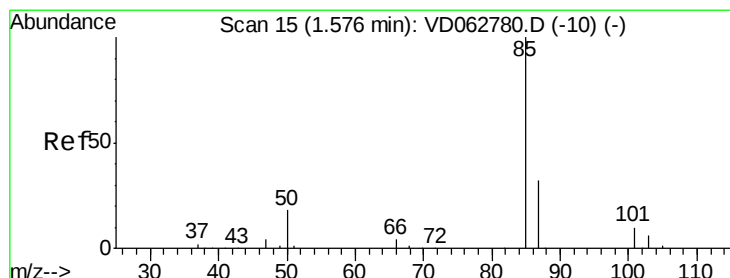
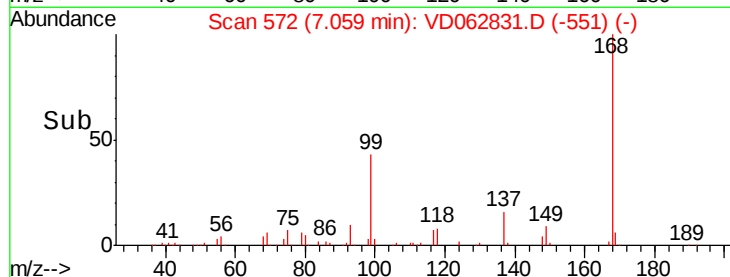
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 42.621 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062831.D

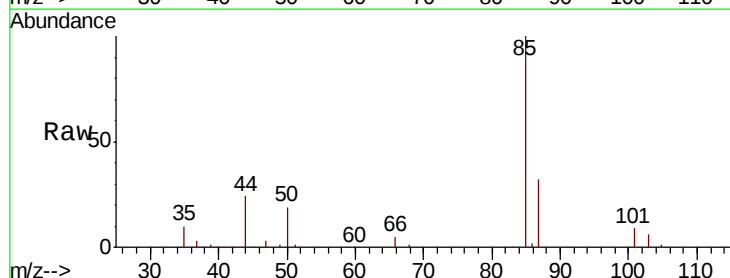
Acq: 24 Jun 2019 10:46

Tgt Ion: 85 Resp: 514921

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

200000

150000

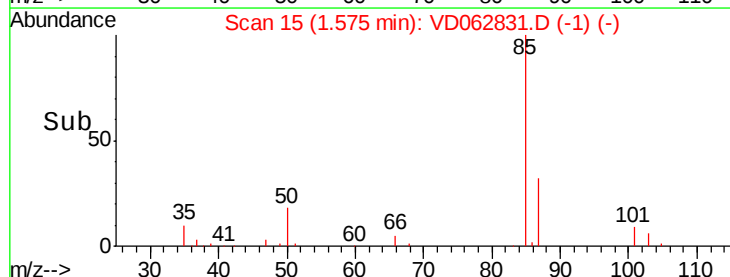
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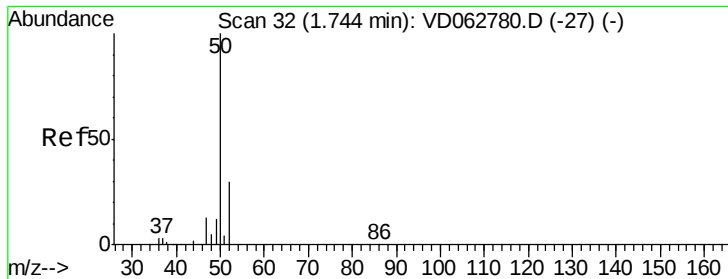
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 41.749 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

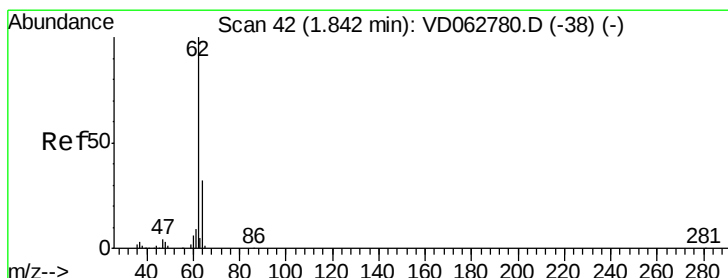
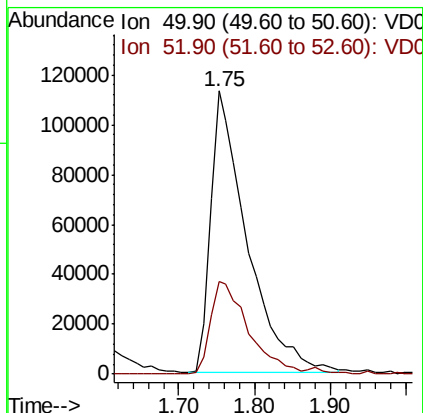
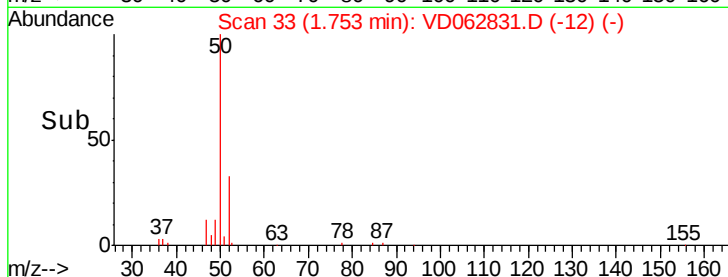
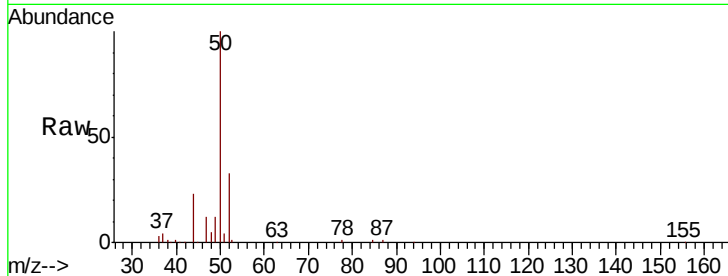
VSTDCCC050

Tot Ion: 50 Resp: 379334

Ion Ratio Lower Upper

50 100

52 32.7 23.6 35.4



#4

Vinyl Chloride

Concen: 44.583 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062831.D

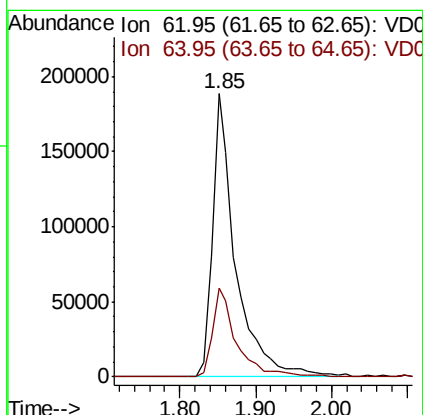
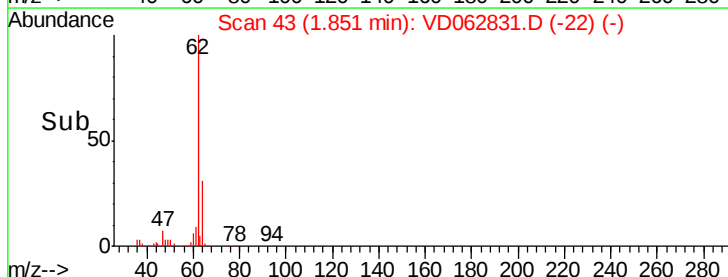
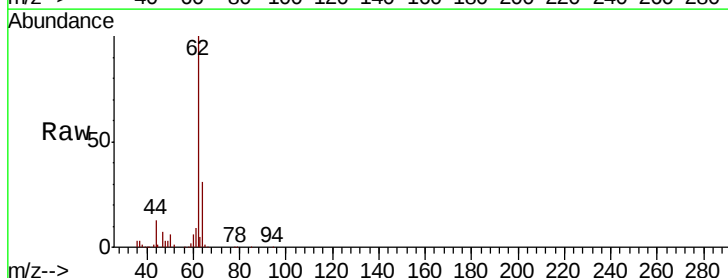
Acq: 24 Jun 2019 10:46

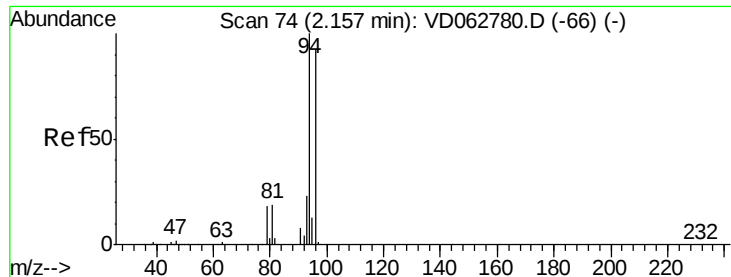
Tgt Ion: 62 Resp: 401635

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





#5

Bromomethane

Concen: 45.202 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

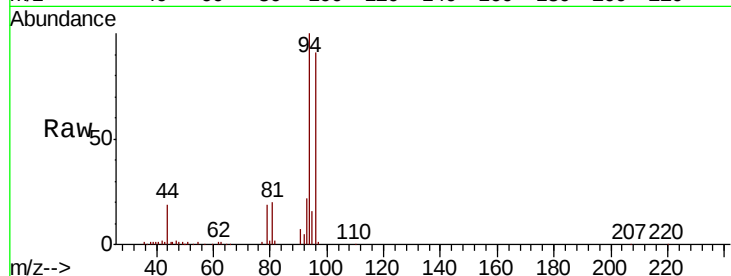
Tot Ion: 94 Resp: 190703

Ion Ratio Lower Upper

94 100

96 91.3 73.4 110.2

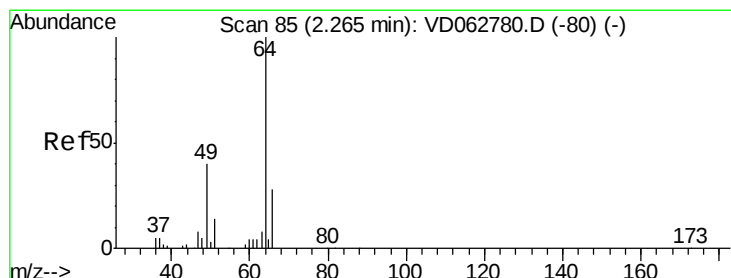
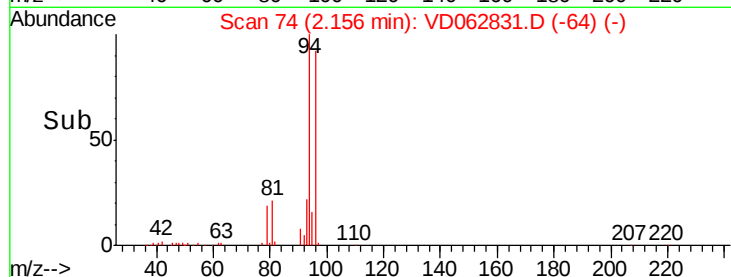
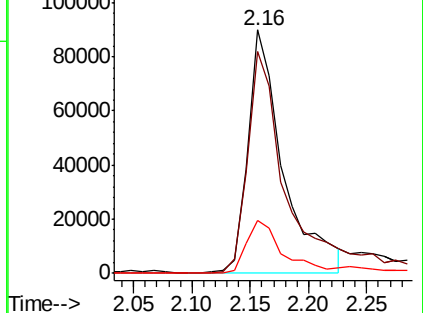
93 21.9 18.2 27.4



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: 49.782 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD062831.D

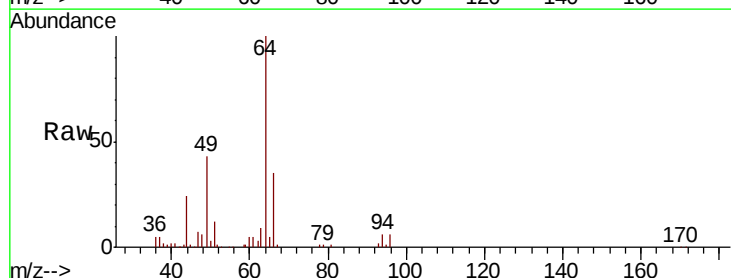
Acq: 24 Jun 2019 10:46

Tgt Ion: 64 Resp: 203039

Ion Ratio Lower Upper

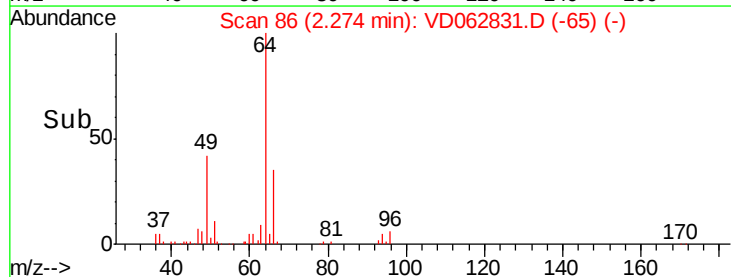
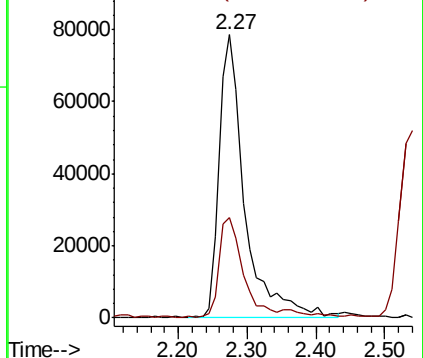
64 100

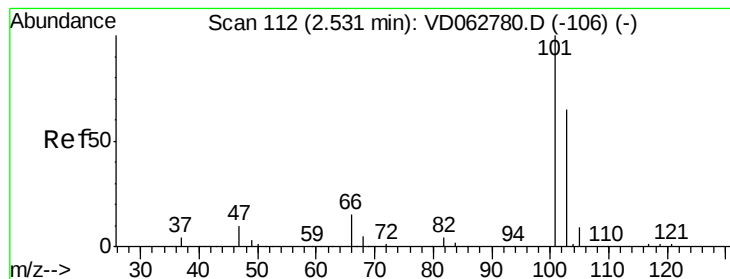
66 35.3 23.0 34.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



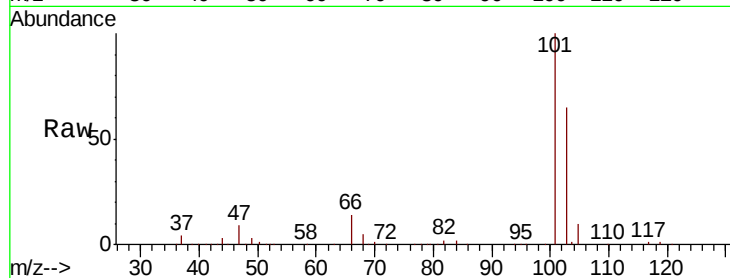


#7

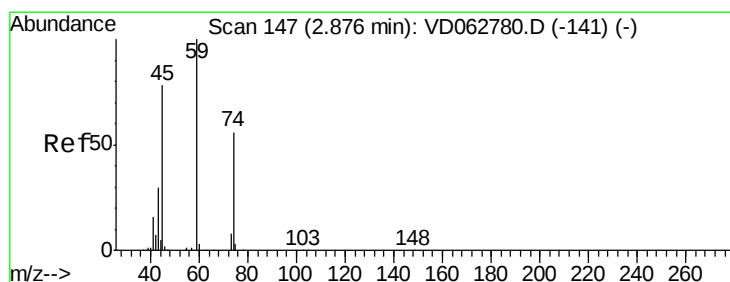
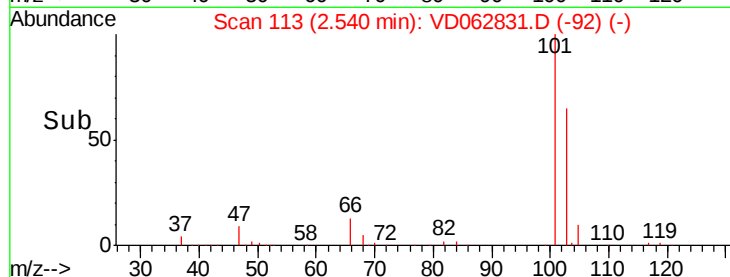
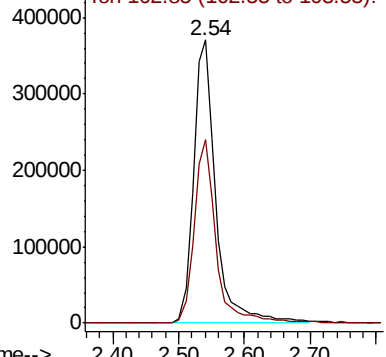
Trichlorofluoromethane
Concen: 47.731 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 870233
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.8



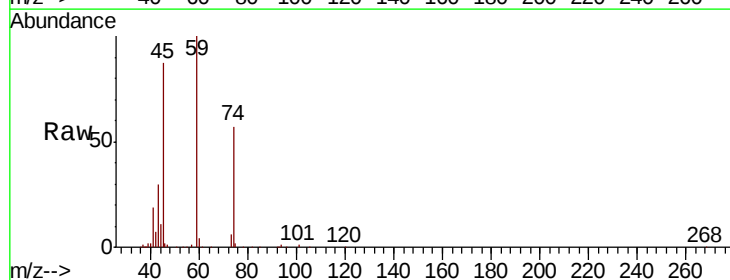
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



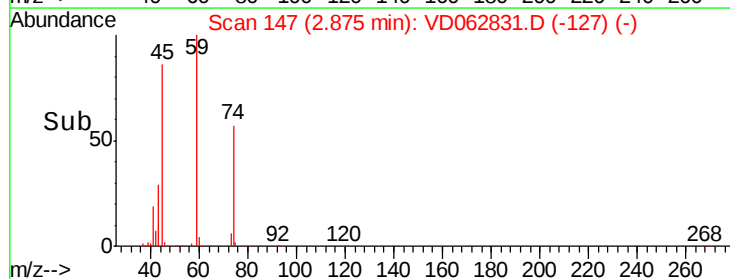
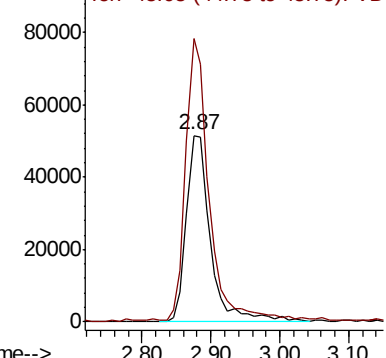
#8

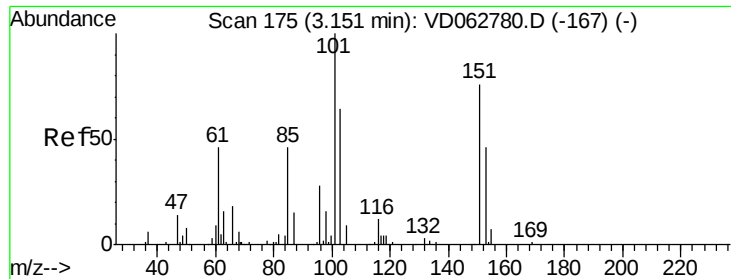
Diethyl Ether
Concen: 54.026 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion: 74 Resp: 125151
Ion Ratio Lower Upper
74 100
45 151.9 70.2 210.6



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: 47.366 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

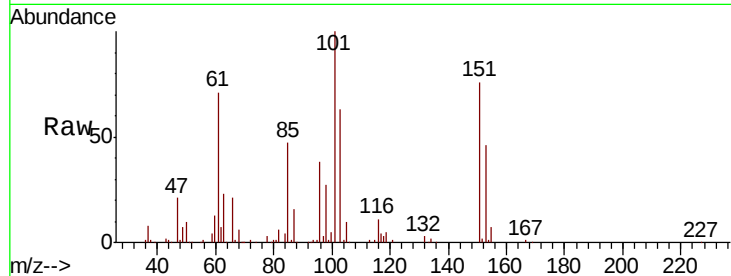
Tot Ion:101 Resp: 467839

Ion Ratio Lower Upper

101 100

85 46.7 37.0 55.4

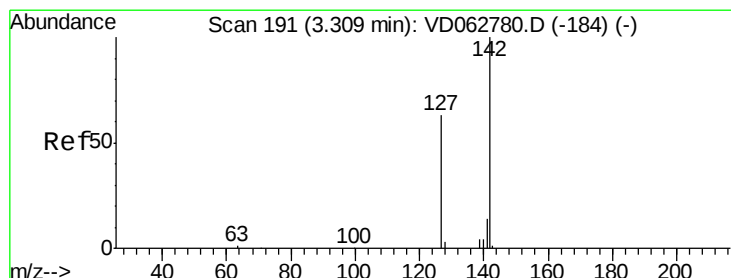
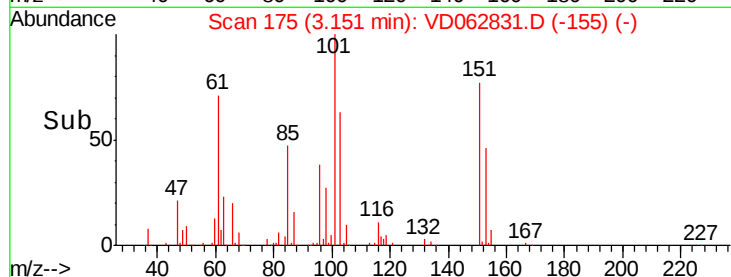
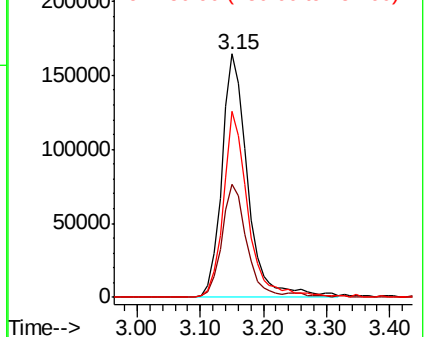
151 76.5 60.5 90.7



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: 45.713 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

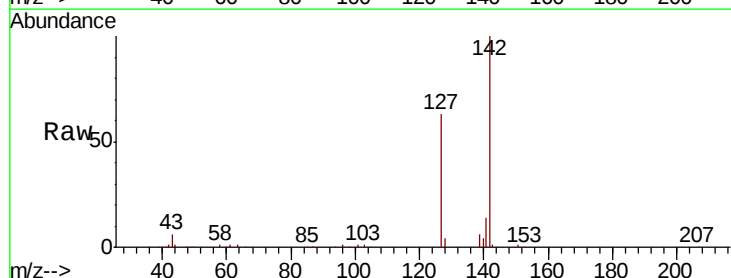
Tgt Ion:142 Resp: 595673

Ion Ratio Lower Upper

142 100

127 63.3 50.1 75.1

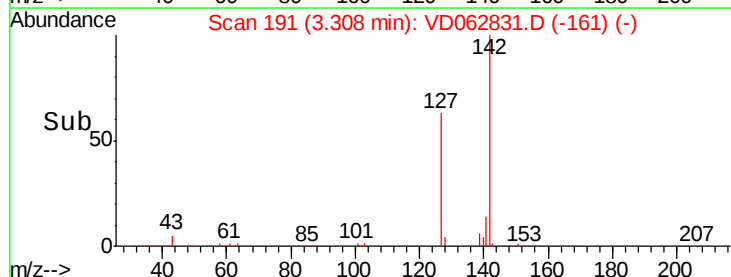
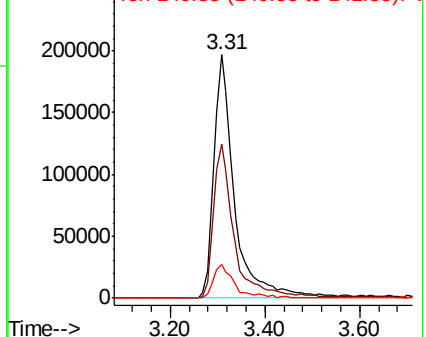
141 14.0 11.0 16.4

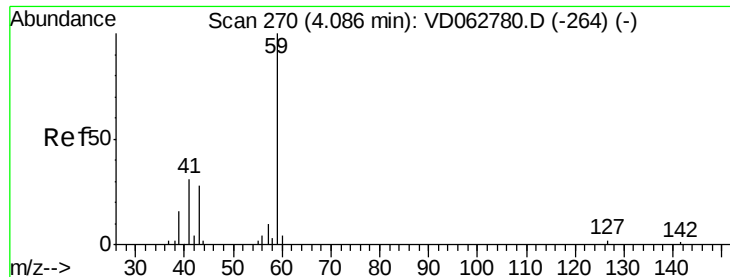


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



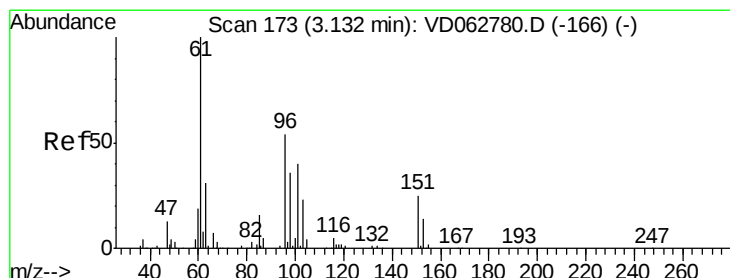
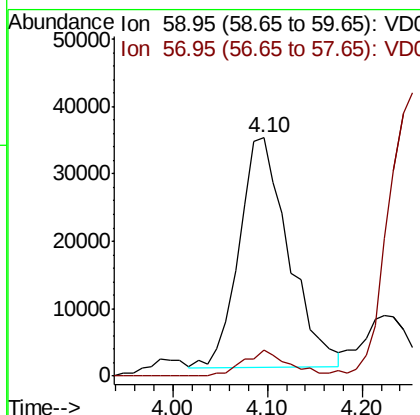
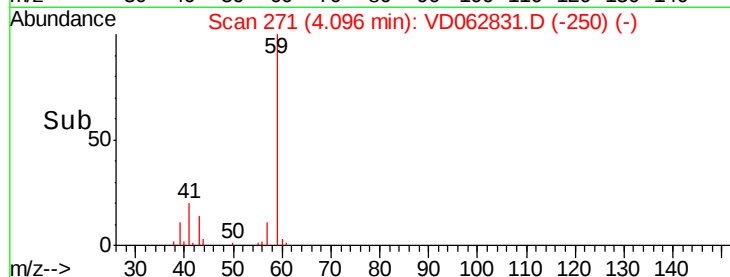
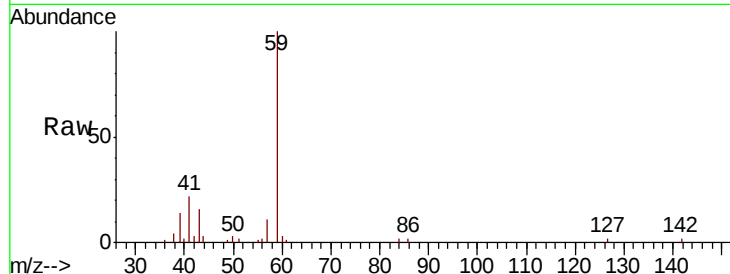


#11

Tert butyl alcohol
Concen: 267.309 ug/l
RT: 4.10 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

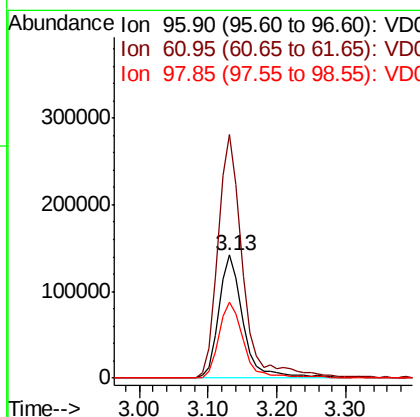
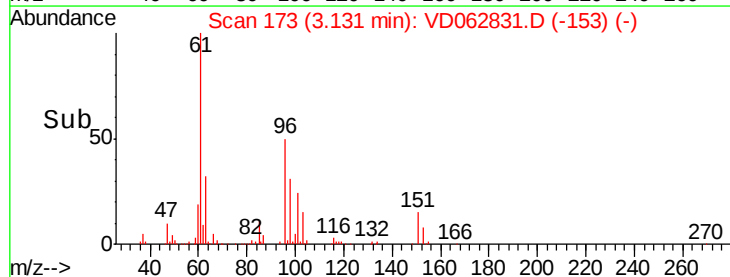
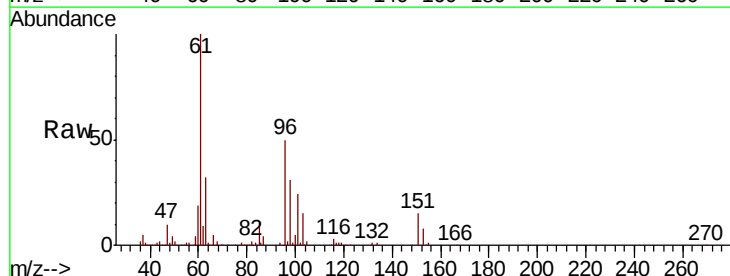
Tot Ion: 59 Resp: 123551
Ion Ratio Lower Upper
59 100
57 10.8 6.6 10.0#

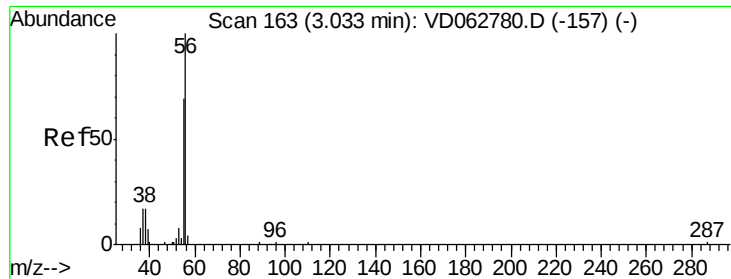


#12

1,1-Dichloroethene
Concen: 46.818 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion: 96 Resp: 346897
Ion Ratio Lower Upper
96 100
61 198.3 147.1 220.7
98 61.5 52.6 79.0





#13

Acrolein

Concen: 261.925 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

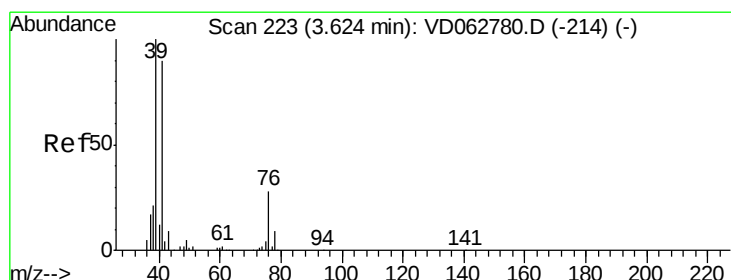
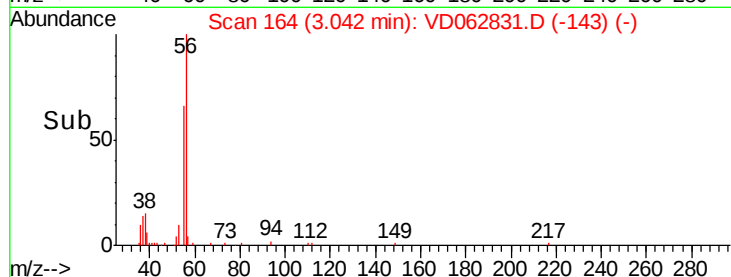
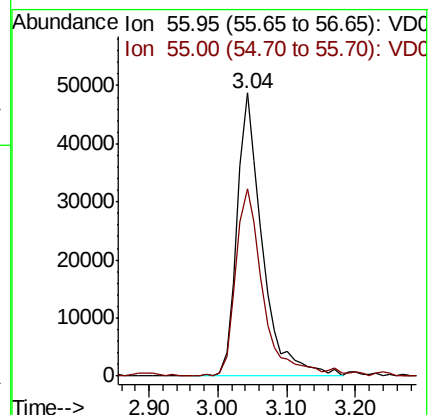
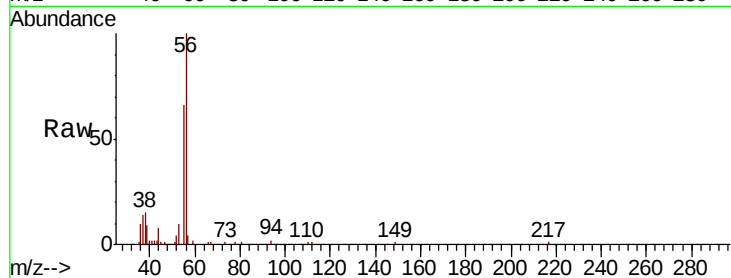
VSTDCCC050

Tot Ion: 56 Resp: 123591

Ion Ratio Lower Upper

56 100

55 66.2 55.4 83.0



#14

Allyl chloride

Concen: 47.594 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

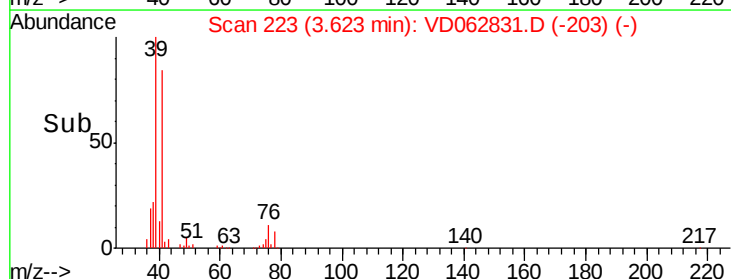
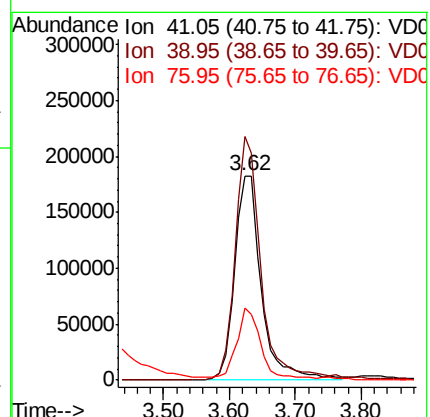
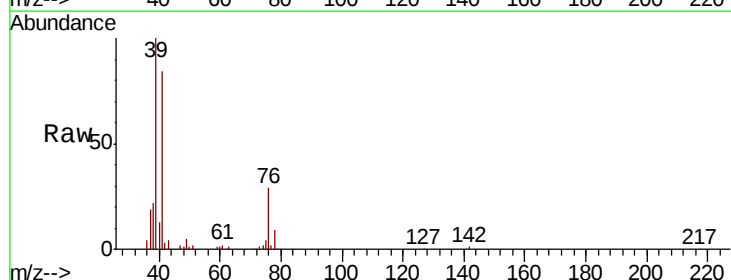
Tgt Ion: 41 Resp: 521074

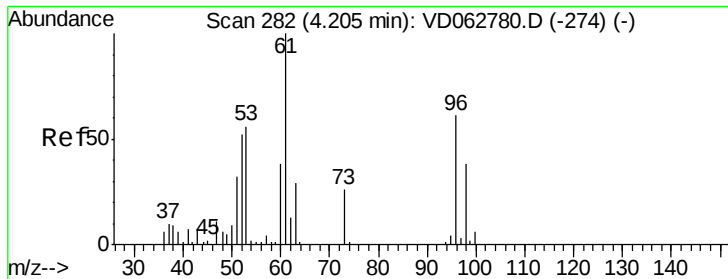
Ion Ratio Lower Upper

41 100

39 119.1 88.8 133.2

76 35.1 26.7 40.1





#15

Acrylonitrile

Concen: 240.973 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

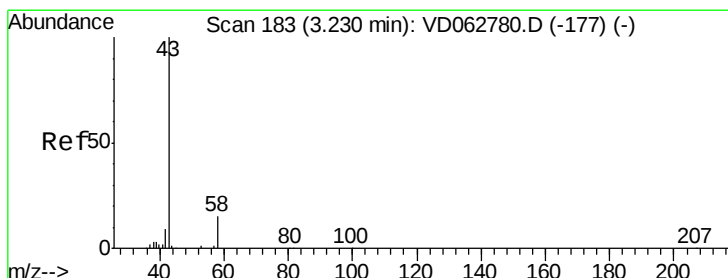
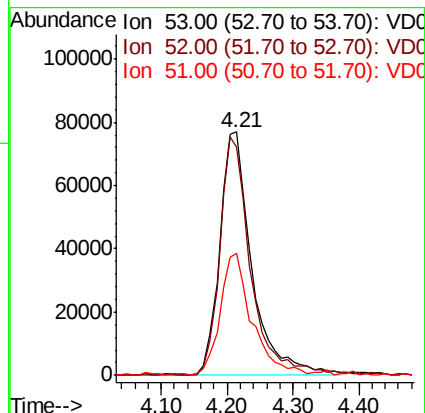
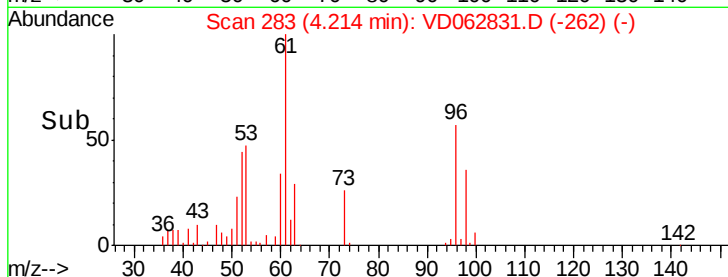
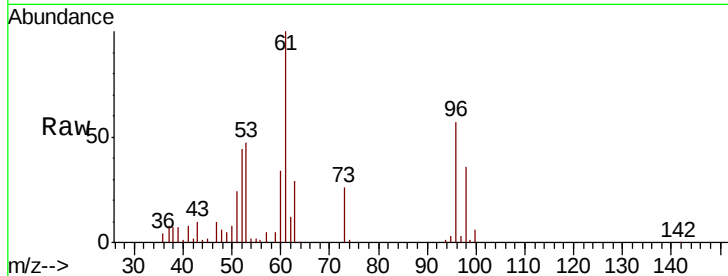
Tot Ion: 53 Resp: 261710

Ion Ratio Lower Upper

53 100

52 93.7 73.3 109.9

51 50.1 44.8 67.2



#16

Acetone

Concen: 270.699 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062831.D

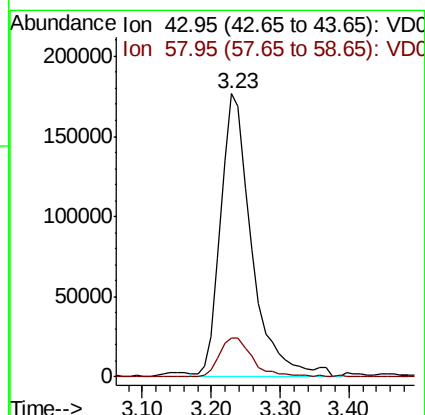
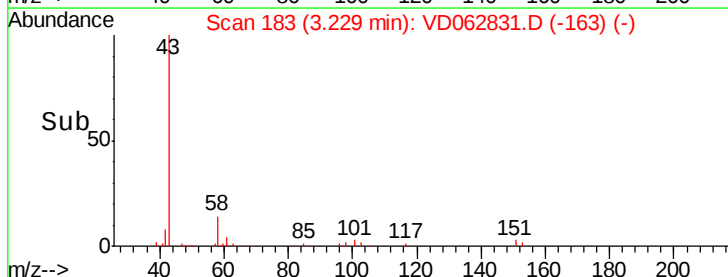
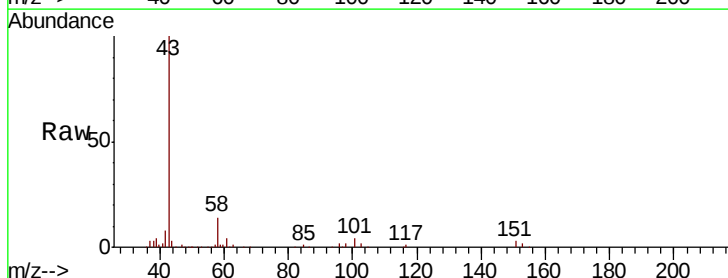
Acq: 24 Jun 2019 10:46

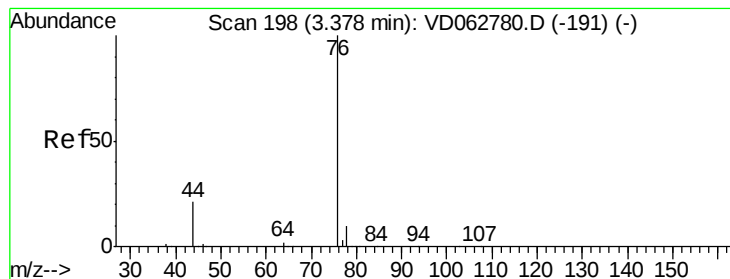
Tgt Ion: 43 Resp: 555906

Ion Ratio Lower Upper

43 100

58 13.9 11.9 17.9





#17

Carbon Disulfide

Concen: 44.653 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

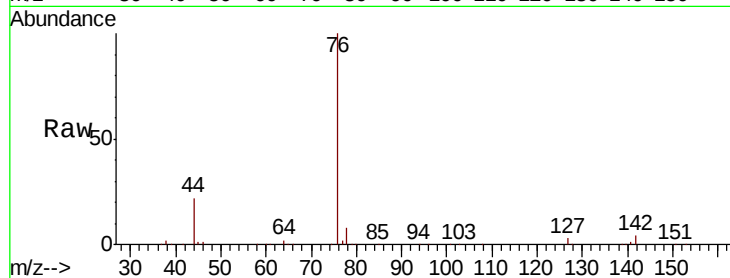
VSTDCCC050

Tot Ion: 76 Resp: 1057415

Ion Ratio Lower Upper

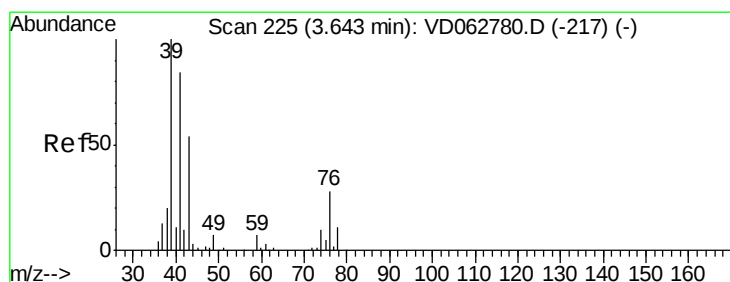
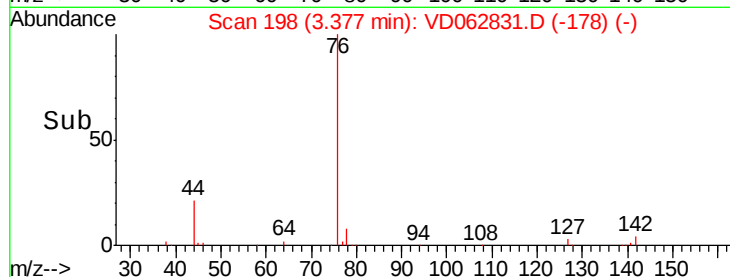
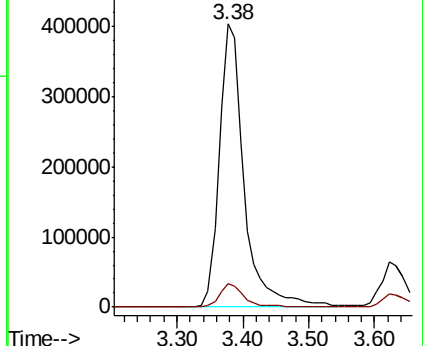
76 100

78 8.3 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 54.430 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062831.D

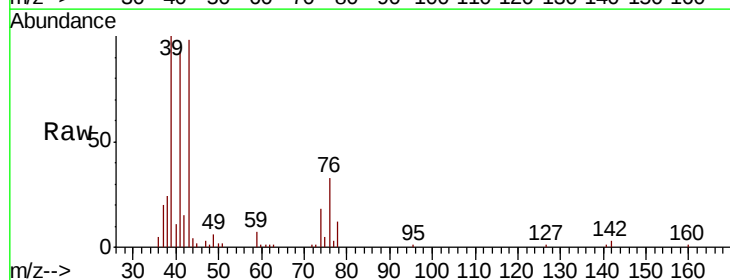
Acq: 24 Jun 2019 10:46

Tgt Ion: 43 Resp: 166747

Ion Ratio Lower Upper

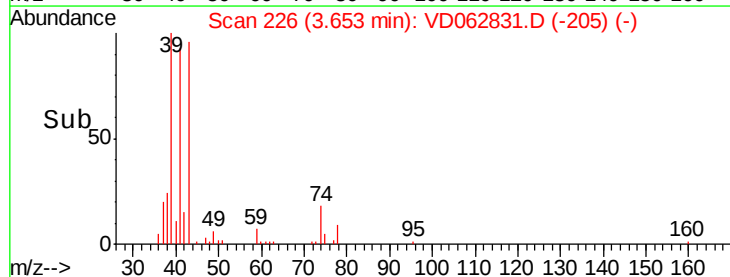
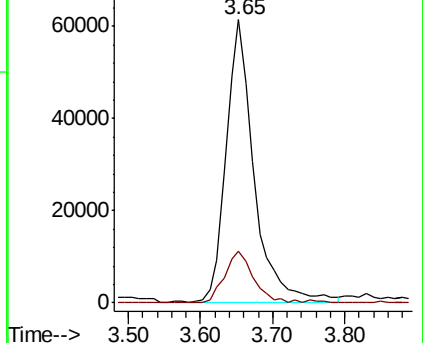
43 100

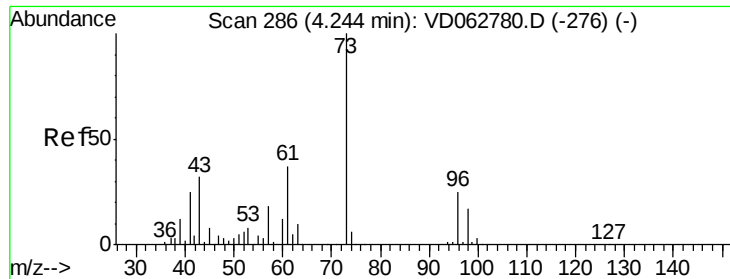
74 18.2 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

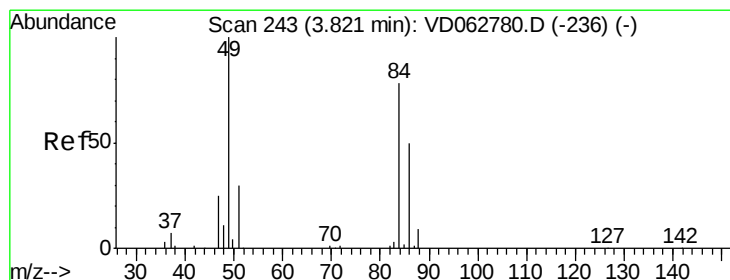
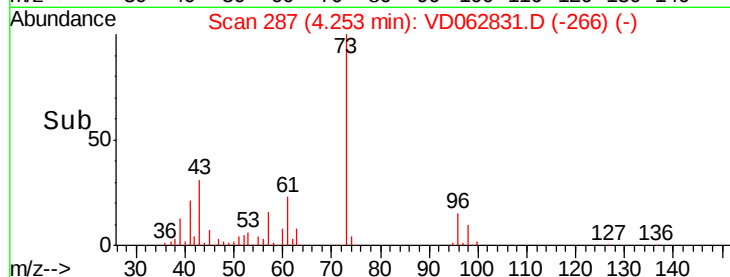
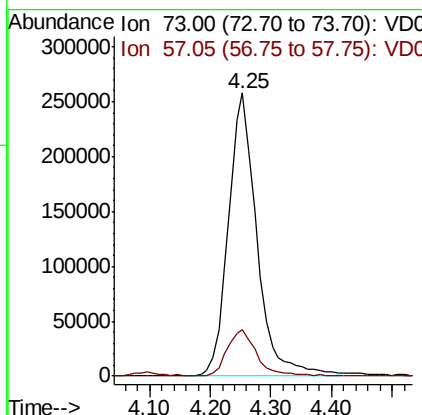
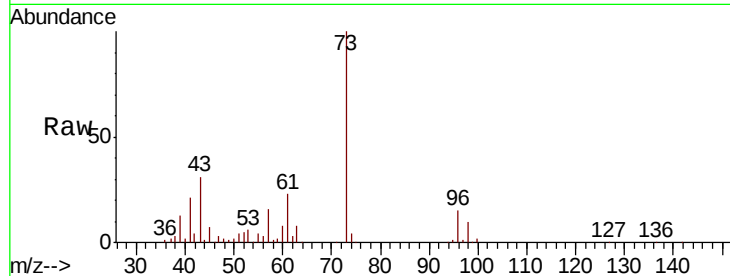




#19
Methyl tert-butyl Ether
Concen: 52.623 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

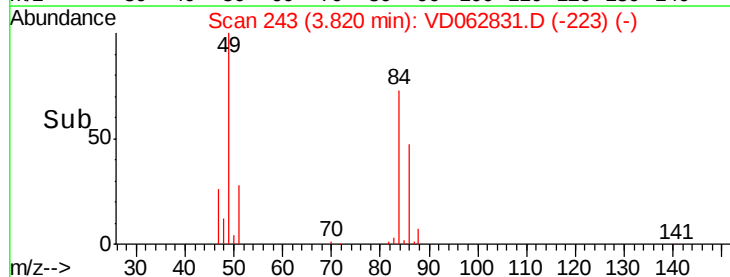
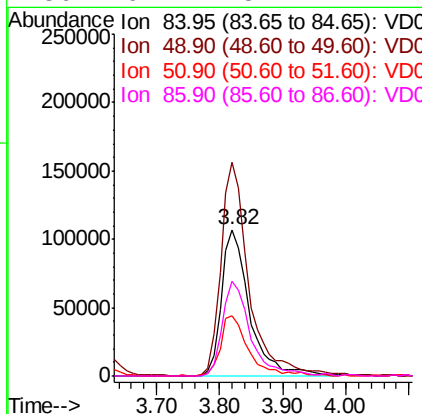
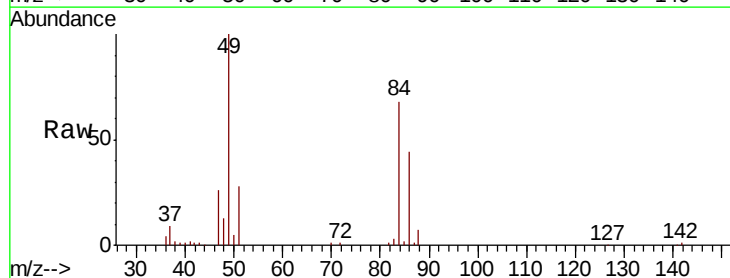
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 844084
Ion Ratio Lower Upper
73 100
57 16.3 14.3 21.5



#20
Methylene Chloride
Concen: 42.948 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion: 84 Resp: 332399
Ion Ratio Lower Upper
84 100
49 146.3 102.9 154.3
51 41.0 31.2 46.8
86 64.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 44.402 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

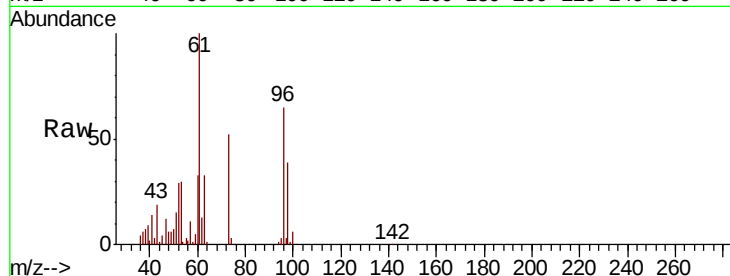
Tot Ion: 96 Resp: 350313

Ion Ratio Lower Upper

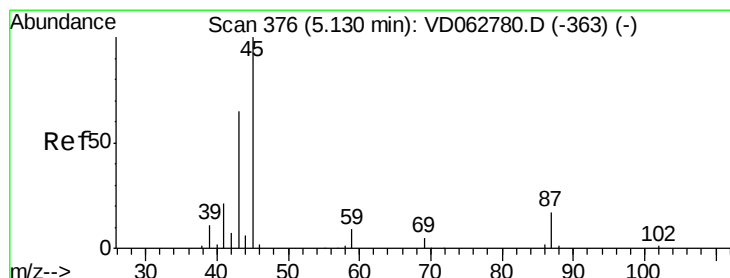
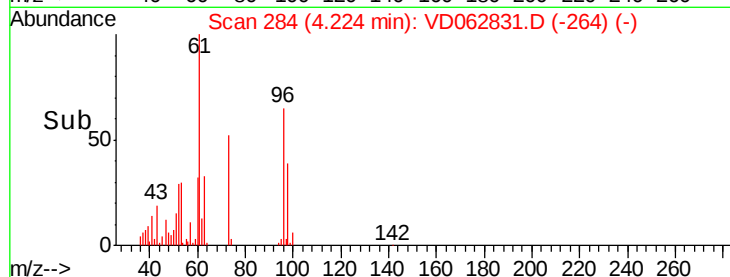
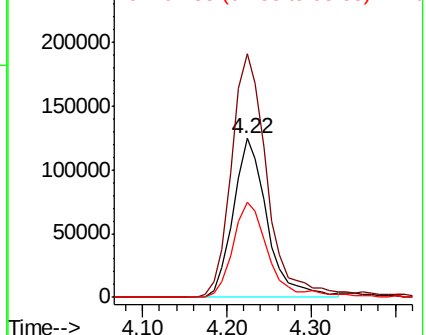
96 100

61 153.3 131.0 196.4

98 60.1 53.2 79.8



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: 49.569 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Tgt Ion: 45 Resp: 1103663

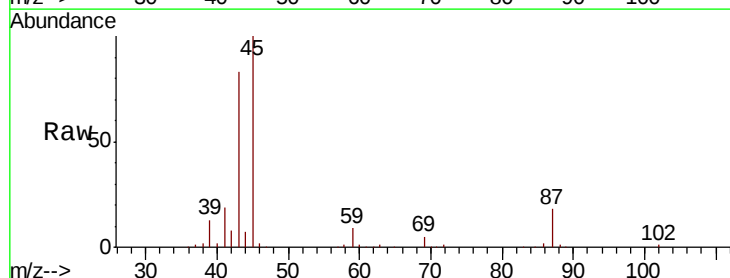
Ion Ratio Lower Upper

45 100

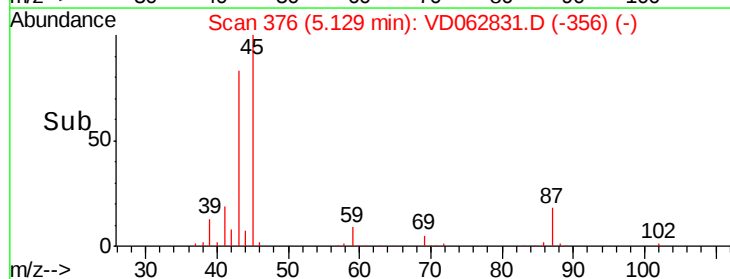
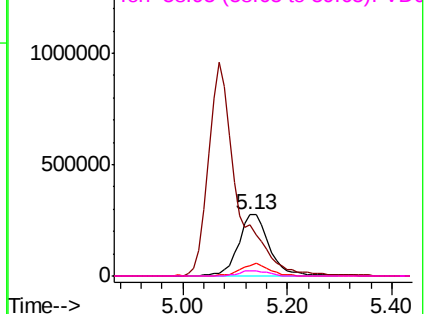
43 82.6 53.4 80.0#

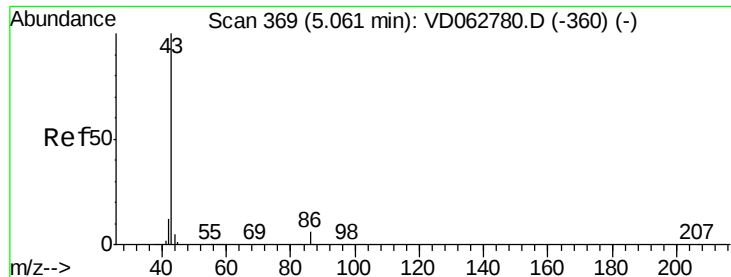
87 17.7 14.6 22.0

59 8.8 7.8 11.8



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: 260.113 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

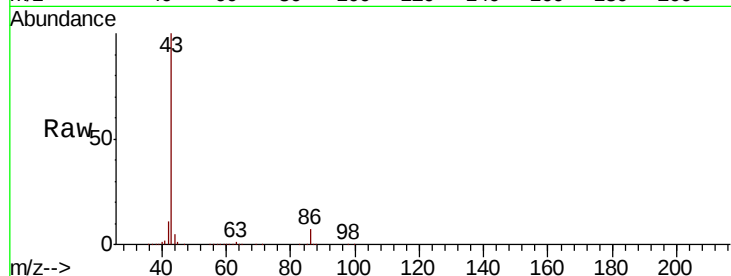
VSTDCCC050

Tot Ion: 43 Resp: 3623983

Ion Ratio Lower Upper

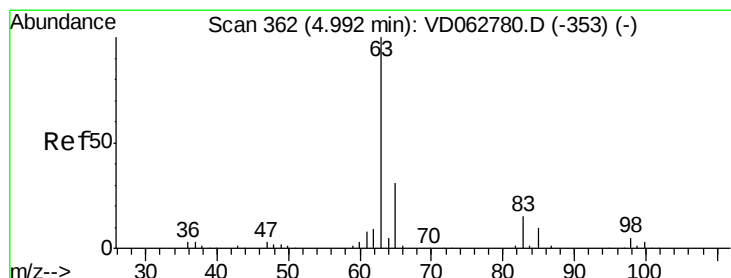
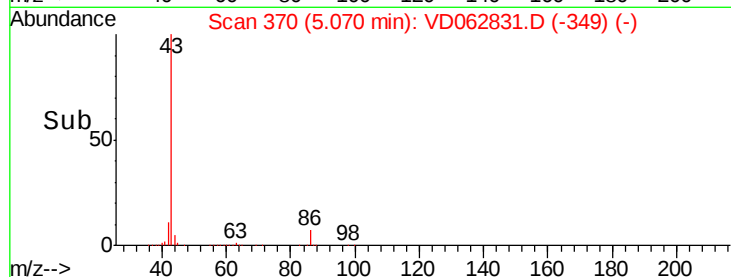
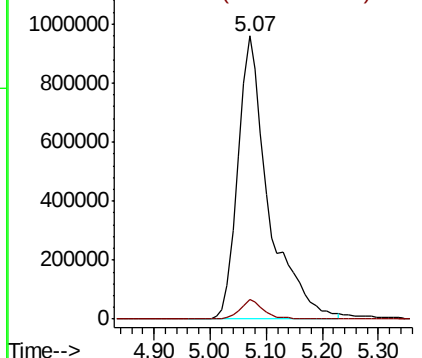
43 100

86 7.0 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.015 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

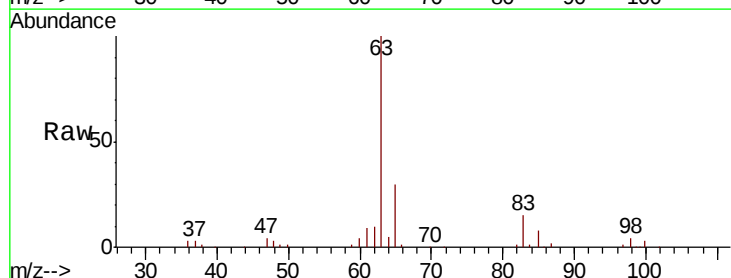
Tgt Ion: 63 Resp: 681555

Ion Ratio Lower Upper

63 100

98 4.7 2.3 6.9

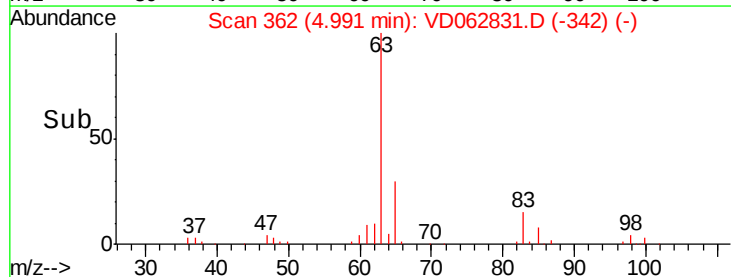
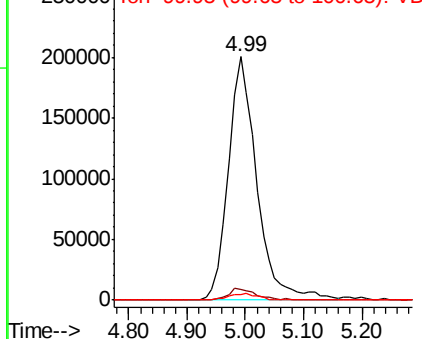
100 2.5 1.7 5.1

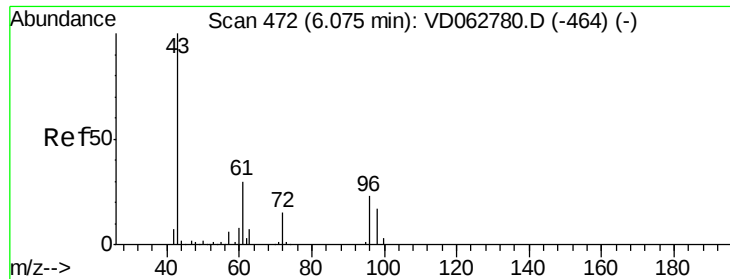


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 271.440 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

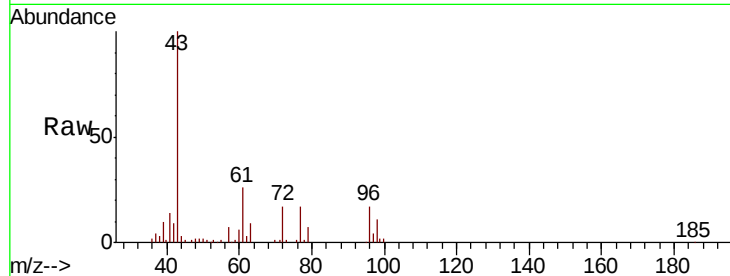
VSTDCCC050

Tot Ion: 43 Resp: 515208

Ion Ratio Lower Upper

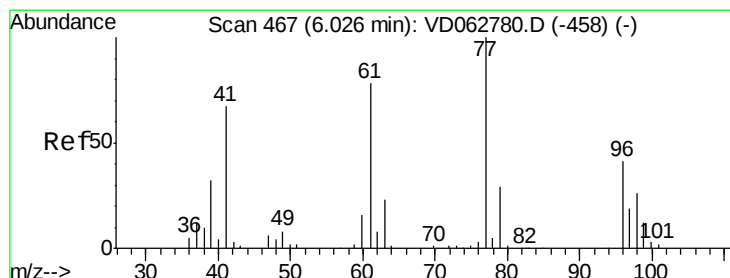
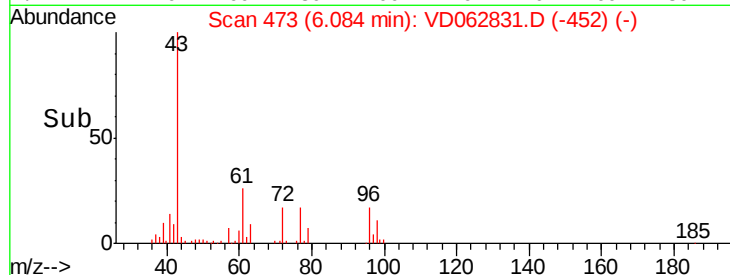
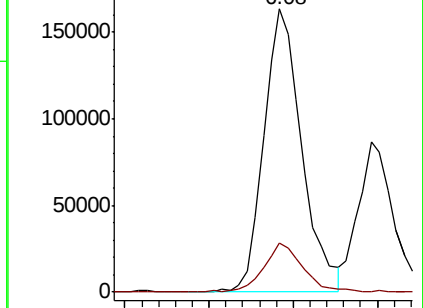
43 100

72 17.2 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.232 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062831.D

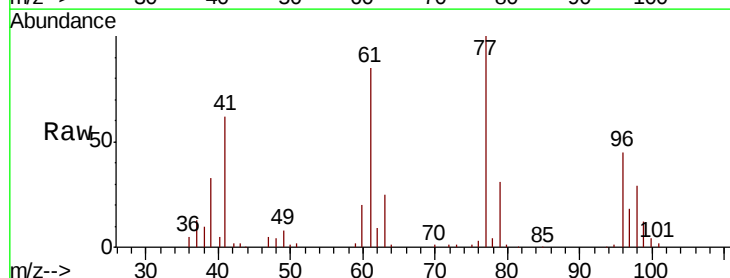
Acq: 24 Jun 2019 10:46

Tgt Ion: 77 Resp: 771843

Ion Ratio Lower Upper

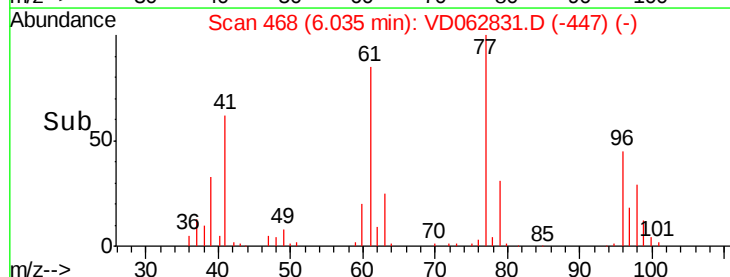
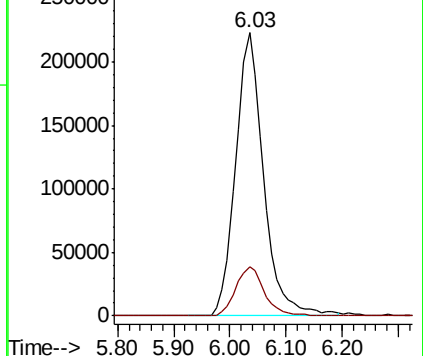
77 100

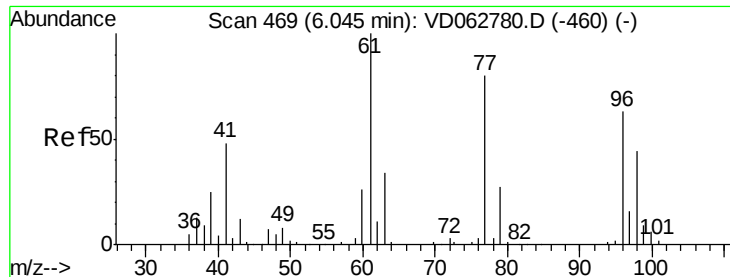
97 17.5 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



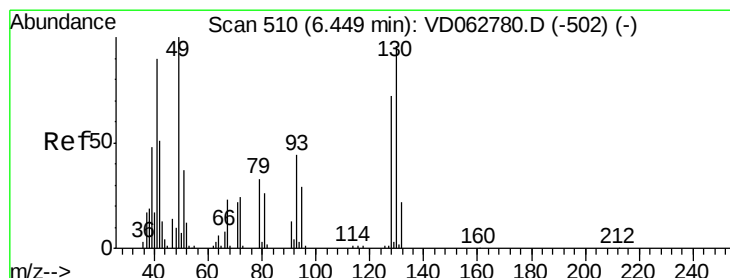
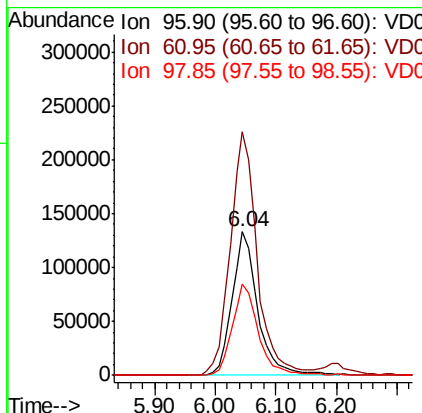
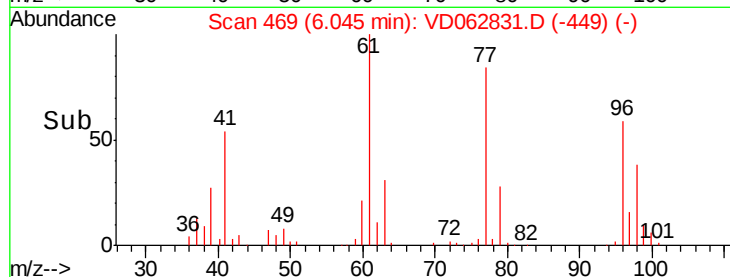
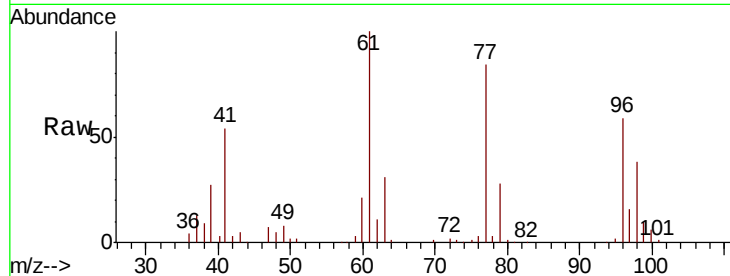


#27

cis-1,2-Dichloroethene
 Concen: 46.742 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

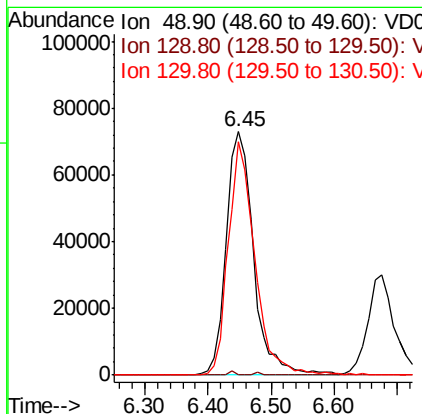
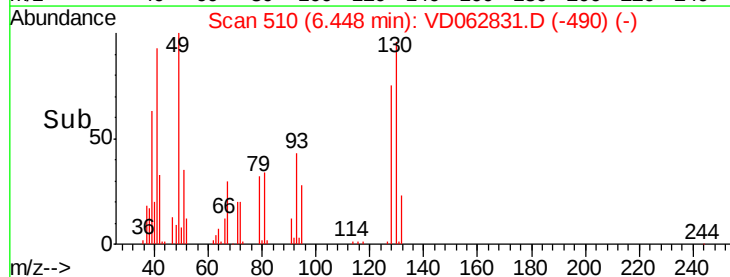
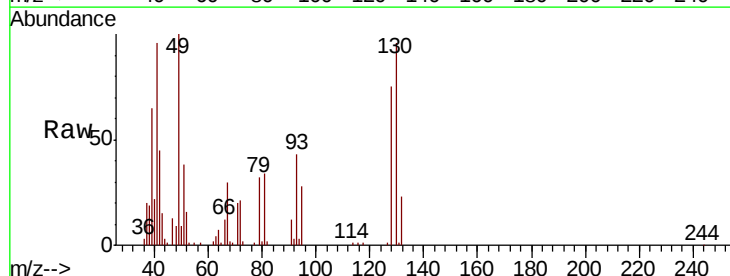
Tot Ion	Ratio	Lower	Upper
96	100		
61	170.1	0.0	316.0
98	64.2	0.0	138.4

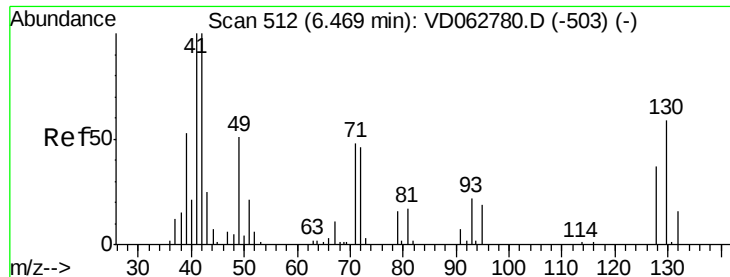


#28

Bromochloromethane
 Concen: 42.752 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	96.0	76.6	114.8





#29

Tetrahydrofuran

Concen: 263.152 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

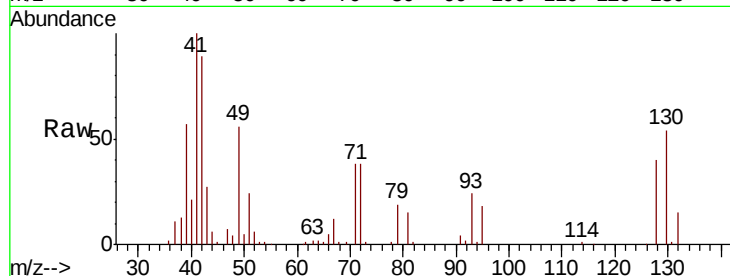
Tot Ion: 42 Resp: 236322

Ion Ratio Lower Upper

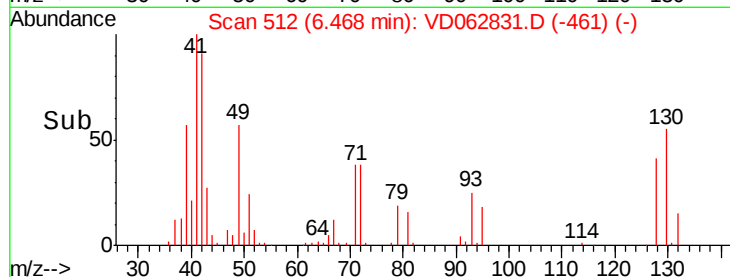
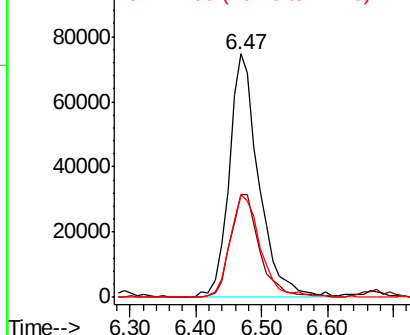
42 100

72 41.9 35.0 52.6

71 43.3 33.3 49.9



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: 47.471 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD062831.D

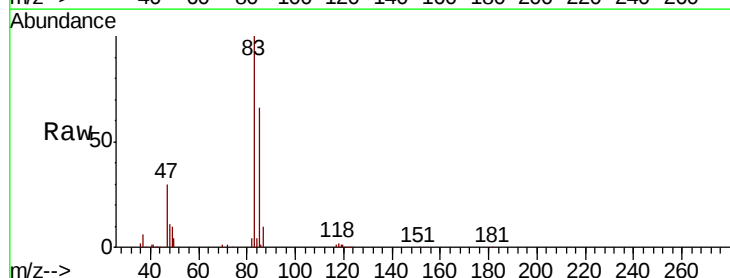
Acq: 24 Jun 2019 10:46

Tgt Ion: 83 Resp: 836906

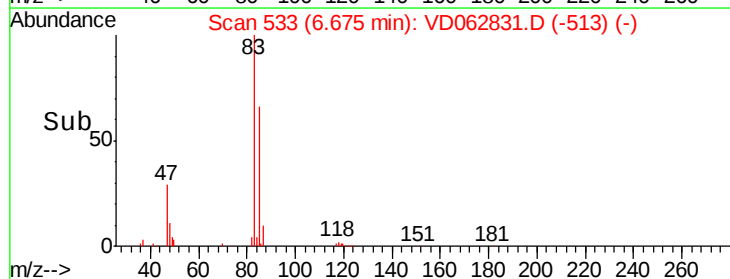
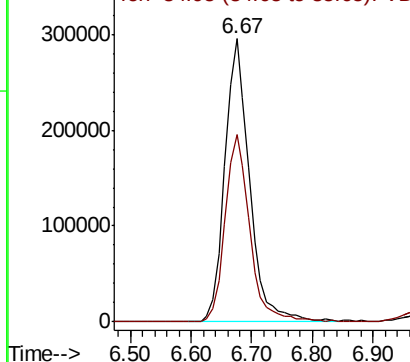
Ion Ratio Lower Upper

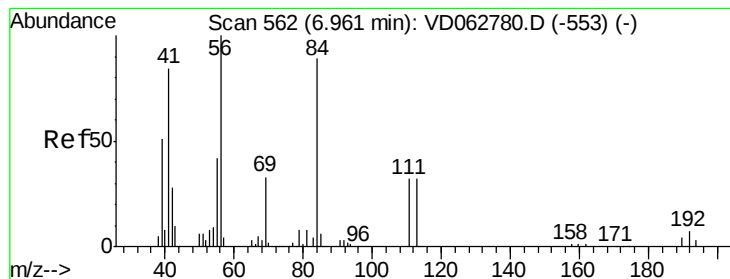
83 100

85 66.3 49.8 74.6



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





#31

Cyclohexane

Concen: 43.411 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

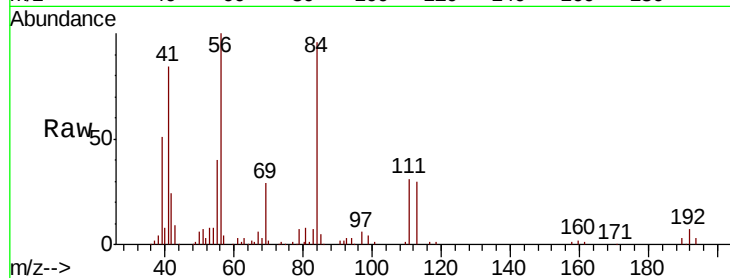
Tot Ion: 56 Resp: 413709

Ion Ratio Lower Upper

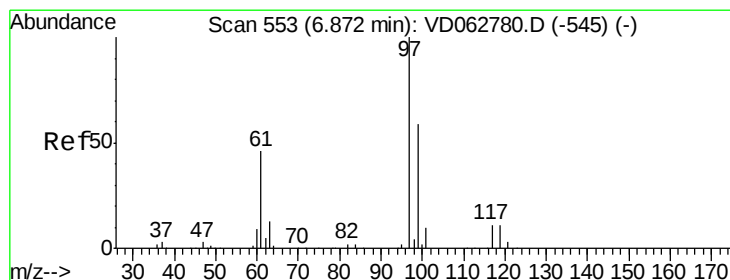
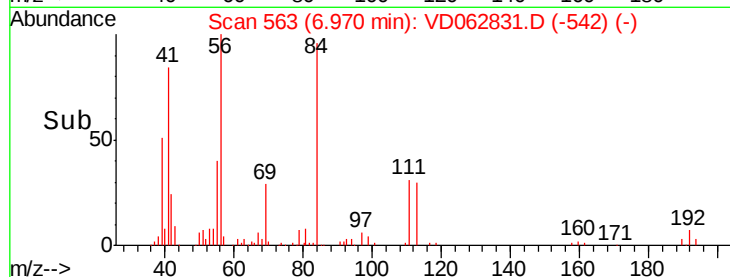
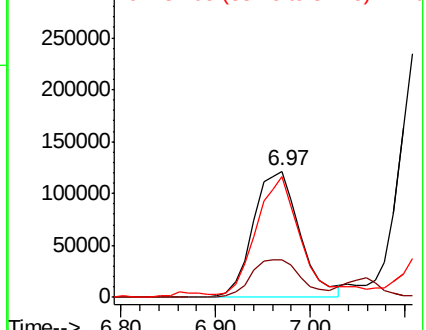
56 100

69 29.3 26.6 39.8

84 96.2 75.5 113.3



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: 45.790 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

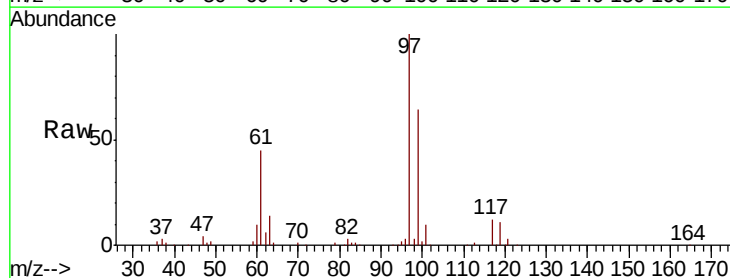
Tgt Ion: 97 Resp: 840832

Ion Ratio Lower Upper

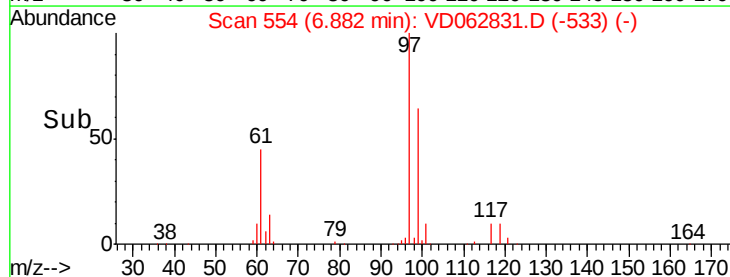
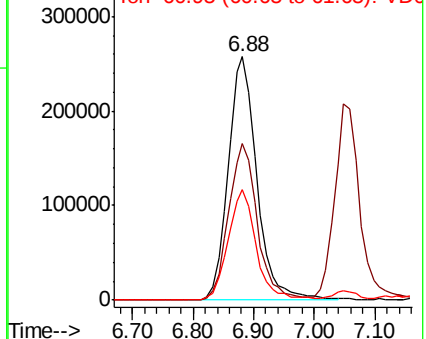
97 100

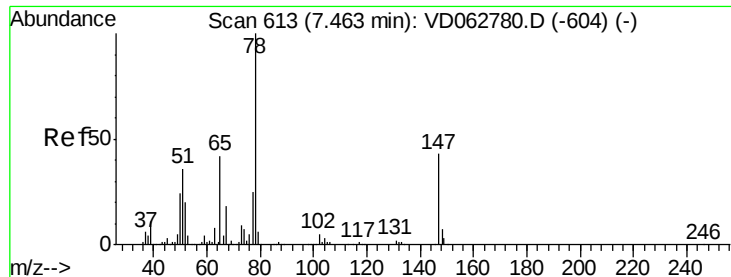
99 64.4 47.4 71.2

61 45.1 37.2 55.8



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: 56.452 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

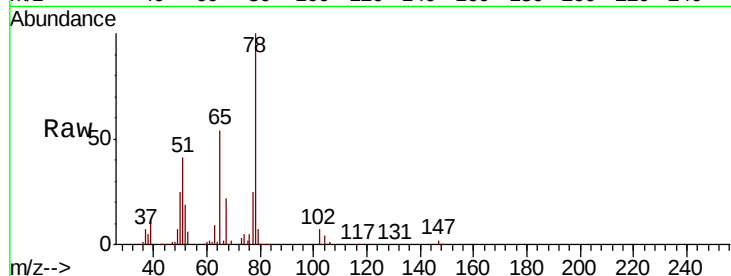
VSTDCCC050

Tot Ion: 65 Resp: 572896

Ion Ratio Lower Upper

65 100

67 41.7 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

250000

200000

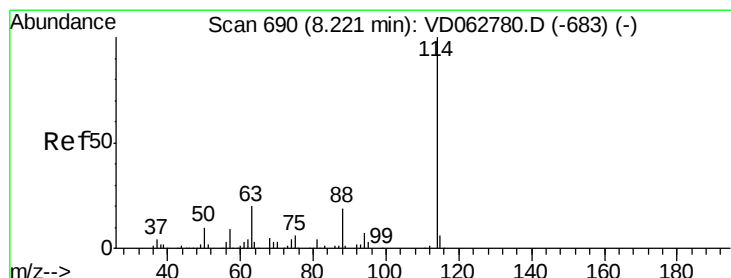
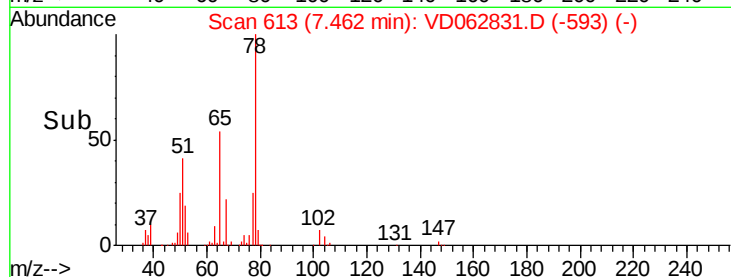
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

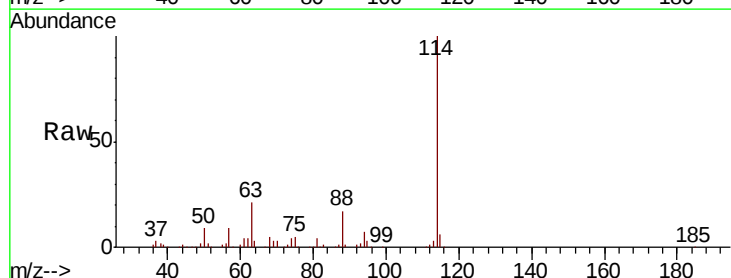
Tgt Ion:114 Resp: 1252372

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

88 17.2 0.0 38.8



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

8.23

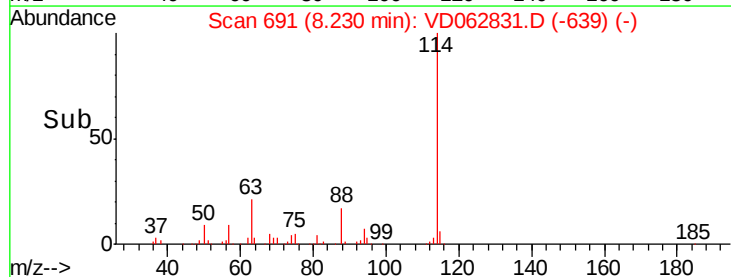
600000

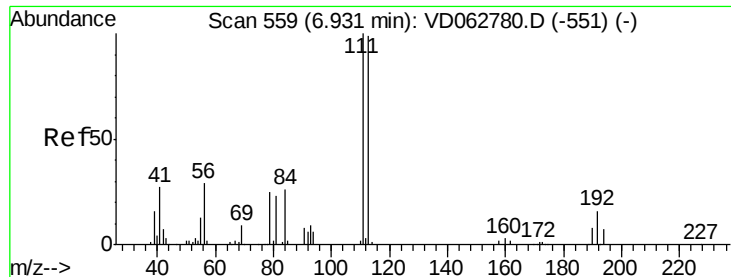
400000

200000

0

Time--> 8.00 8.20 8.40 8.60





#35

Dibromofluoromethane

Concen: 52.319 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

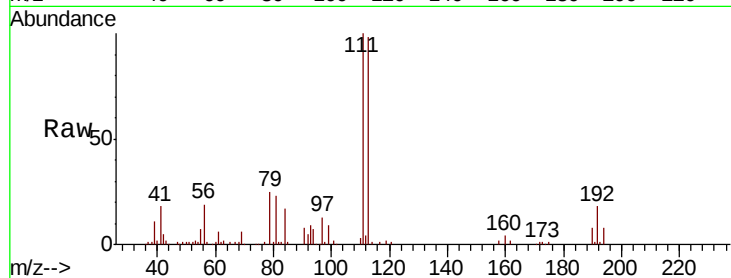
Tot Ion:113 Resp: 552491

Ion Ratio Lower Upper

113 100

111 102.0 81.2 121.8

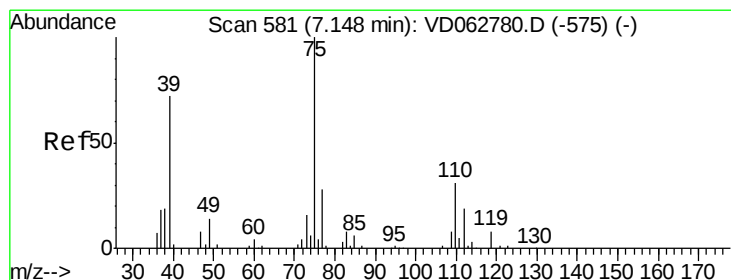
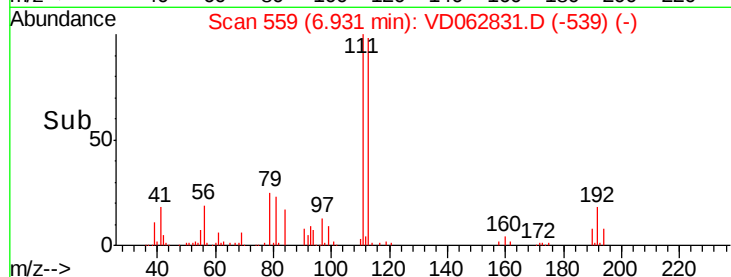
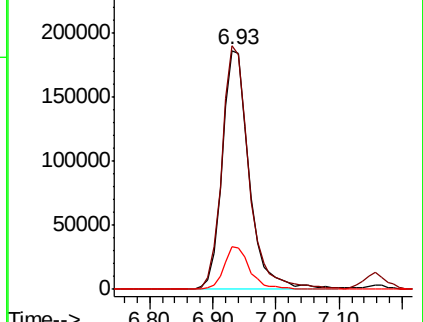
192 17.9 12.9 19.3



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: 48.017 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

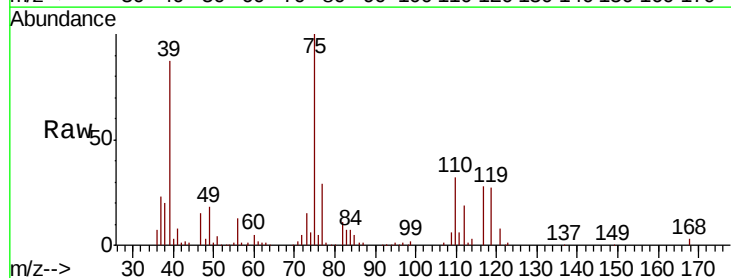
Tgt Ion: 75 Resp: 569268

Ion Ratio Lower Upper

75 100

110 31.9 15.0 45.1

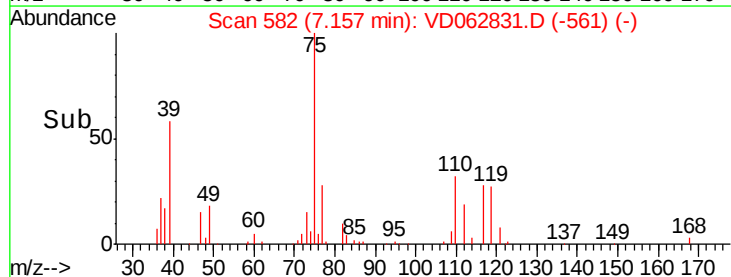
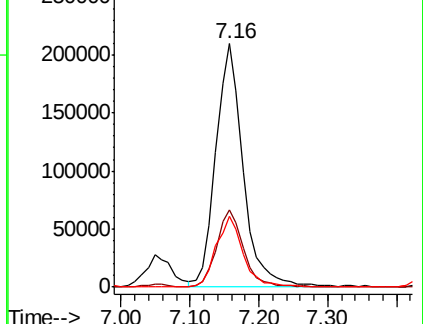
77 29.1 22.2 33.2

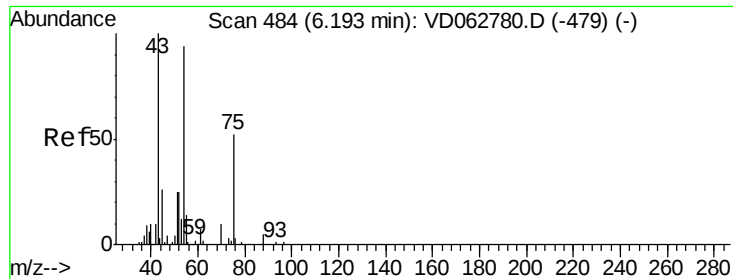


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

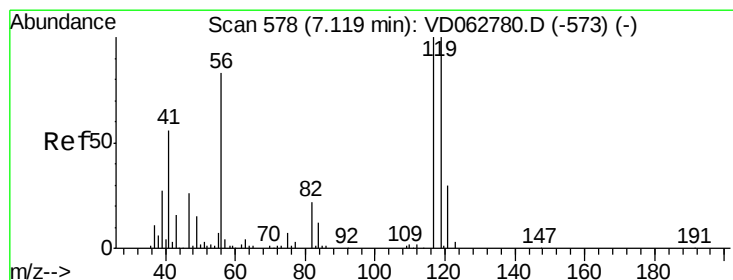
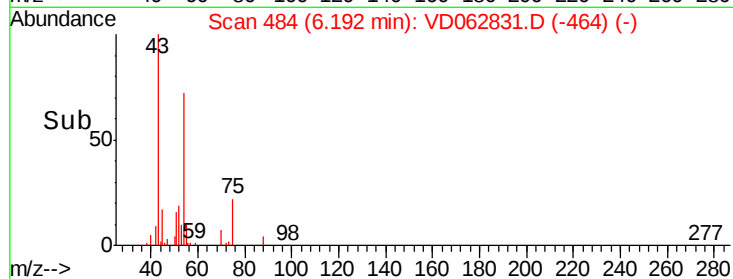
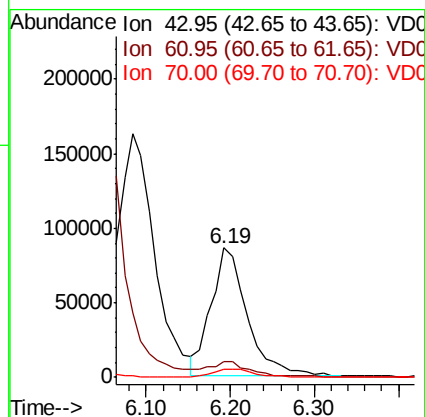
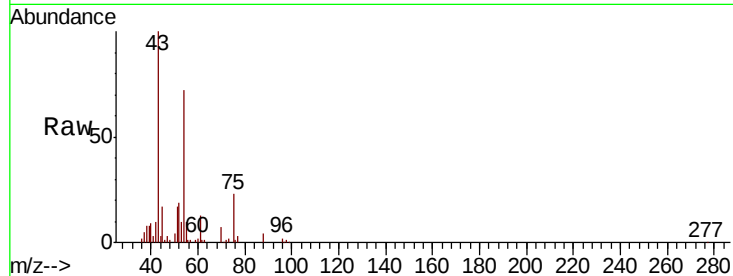




#37
 Ethyl Acetate
 Concen: 51.467 ug/l
 RT: 6.19 min Scan# 484
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

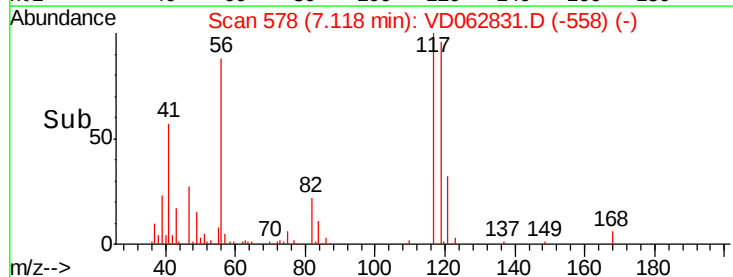
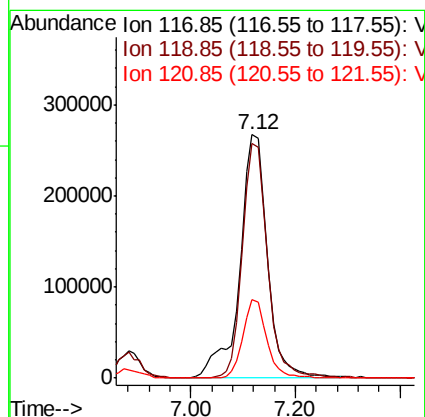
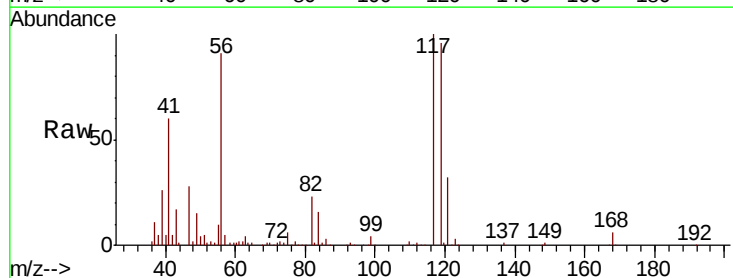
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 256153
 Ion Ratio Lower Upper
 43 100
 61 12.5 11.6 17.4
 70 6.7 6.4 9.6



#38
 Carbon Tetrachloride
 Concen: 53.198 ug/l
 RT: 7.12 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Tgt Ion: 117 Resp: 948531
 Ion Ratio Lower Upper
 117 100
 119 96.1 75.4 113.2
 121 32.4 22.3 33.5





#39

Methvlcvclohexane

Concen: 45.163 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

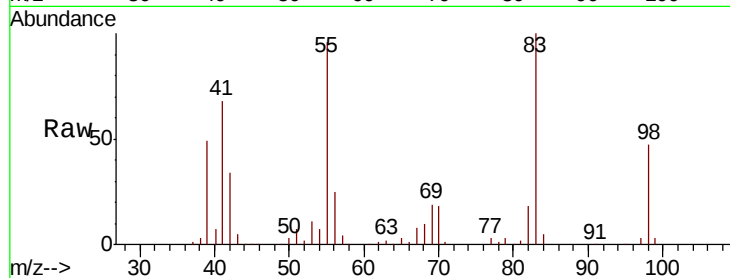
Tot Ion: 83 Resp: 471307

Ion Ratio Lower Upper

83 100

55 96.3 76.6 115.0

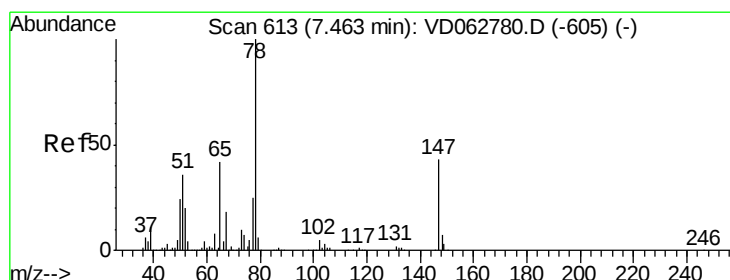
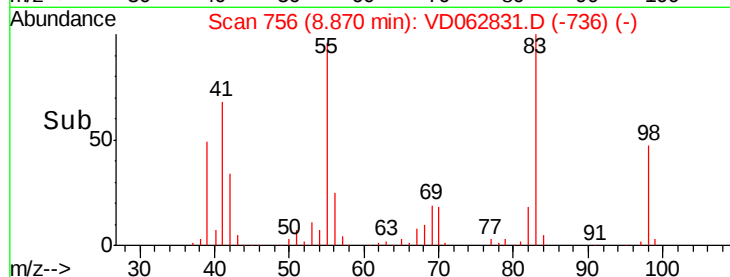
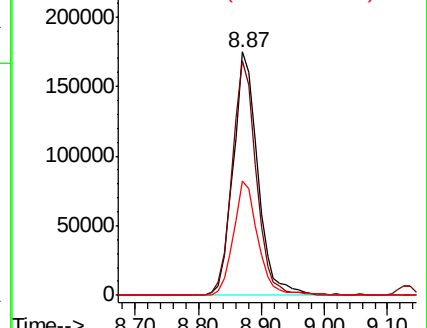
98 46.7 35.7 53.5



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: 48.437 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062831.D

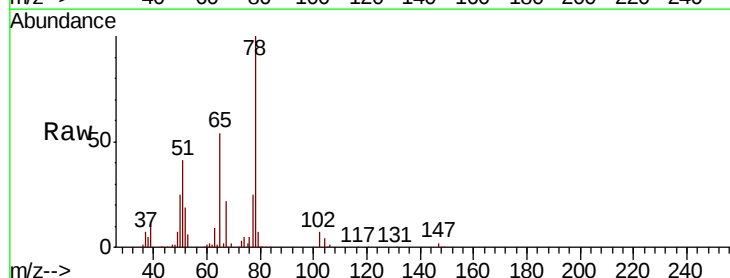
Acq: 24 Jun 2019 10:46

Tgt Ion: 78 Resp: 1152684

Ion Ratio Lower Upper

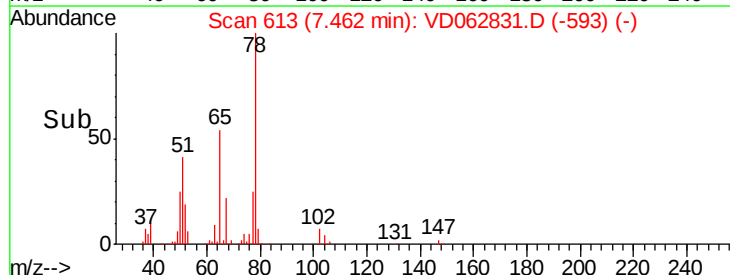
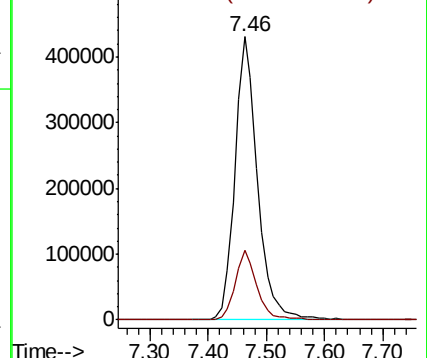
78 100

77 24.6 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 52.371 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 327431

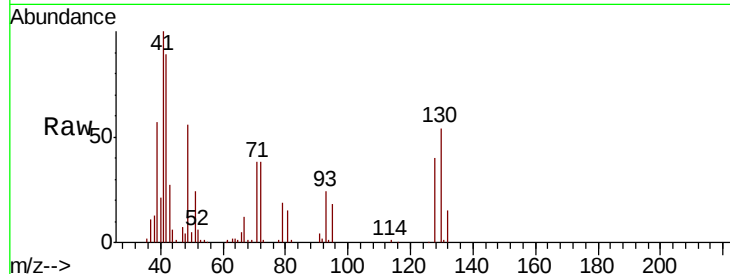
Ion Ratio Lower Upper

41 100

39 56.5 43.2 64.8

67 12.0 19.9 29.9#

52 6.5 10.2 15.4#

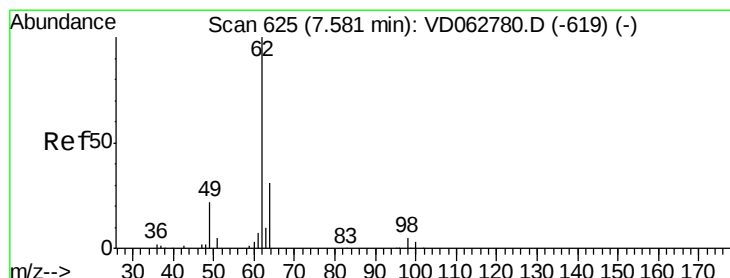
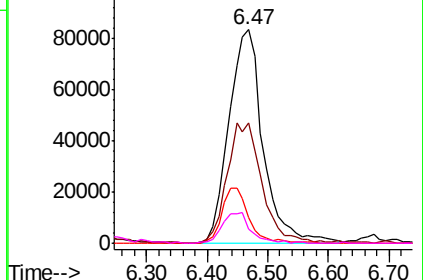
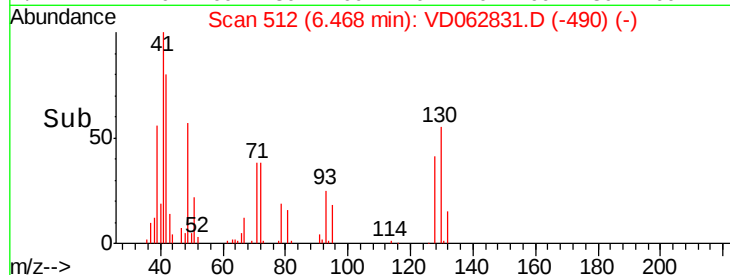


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 50.055 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD062831.D

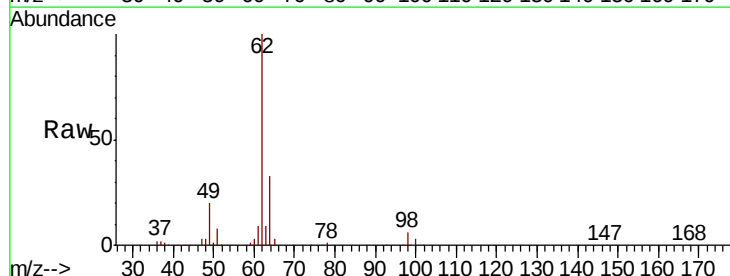
Acq: 24 Jun 2019 10:46

Tgt Ion: 62 Resp: 649819

Ion Ratio Lower Upper

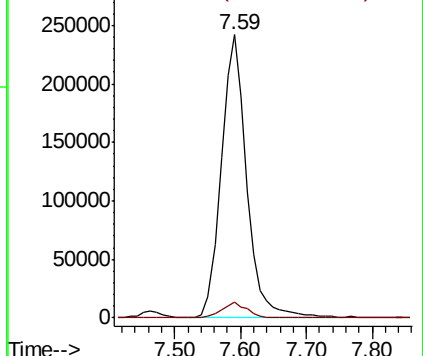
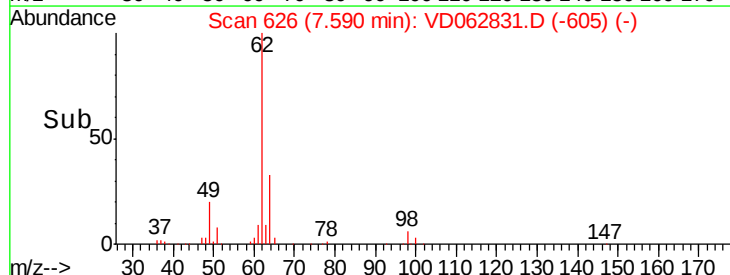
62 100

98 5.7 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 53.858 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

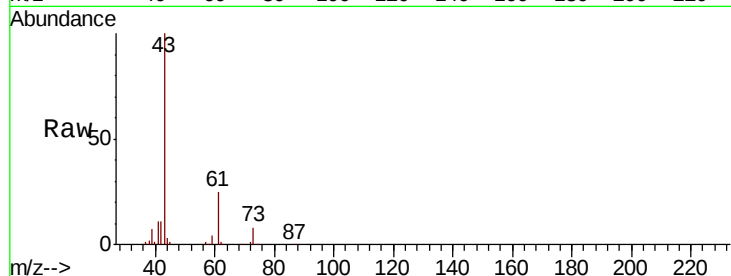
Tot Ion: 43 Resp: 334749

Ion Ratio Lower Upper

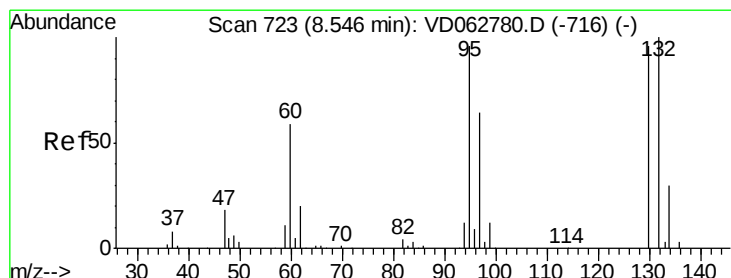
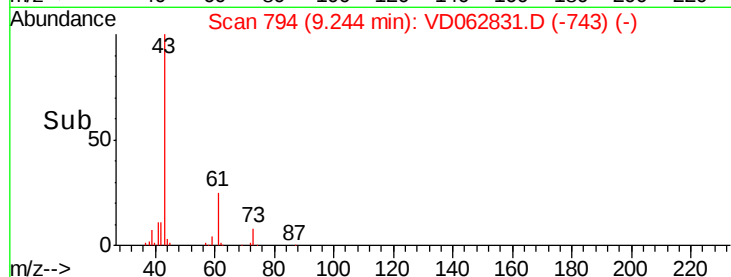
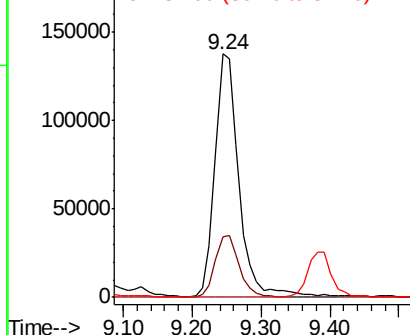
43 100

61 25.1 22.4 33.6

87 0.2 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.807 ug/l

RT: 8.55 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD062831.D

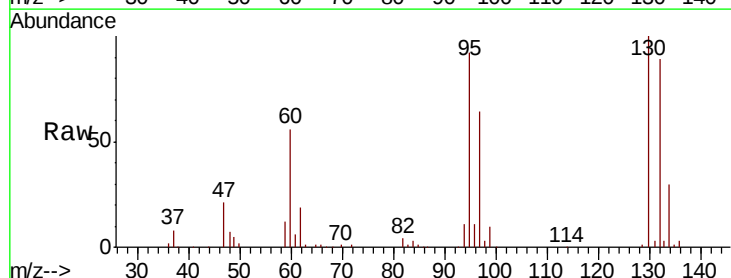
Acq: 24 Jun 2019 10:46

Tgt Ion:130 Resp: 464687

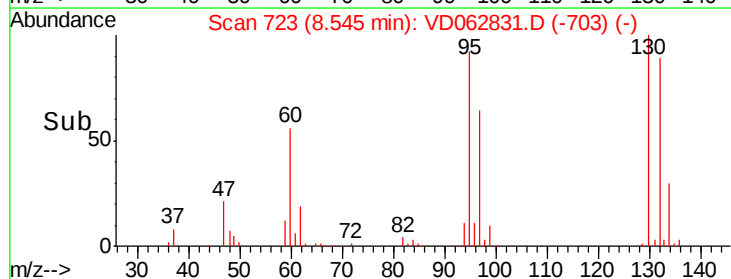
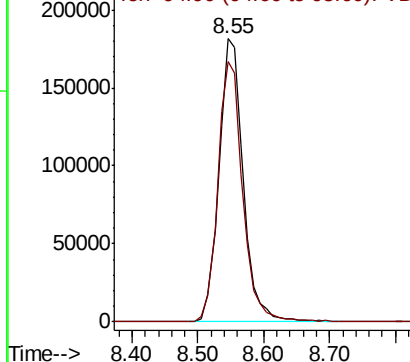
Ion Ratio Lower Upper

130 100

95 92.0 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 45.889 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

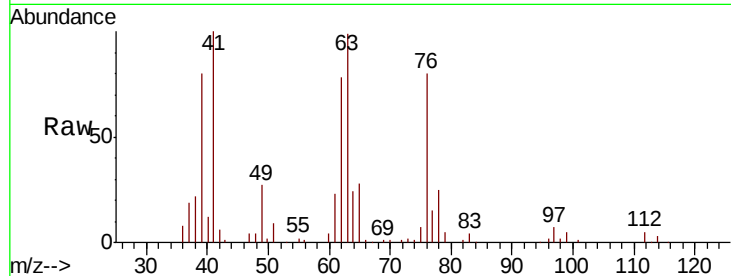
VSTDCCC050

Tot Ion: 63 Resp: 271545

Ion Ratio Lower Upper

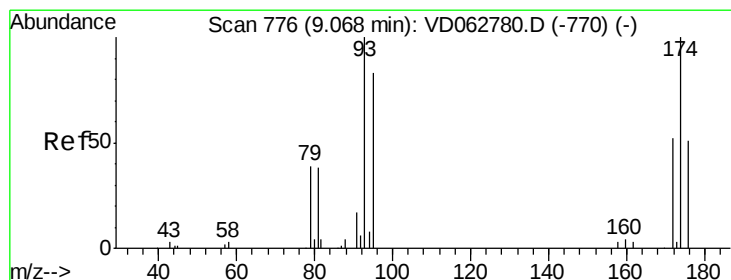
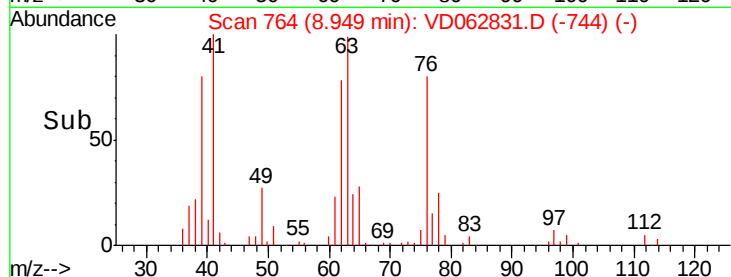
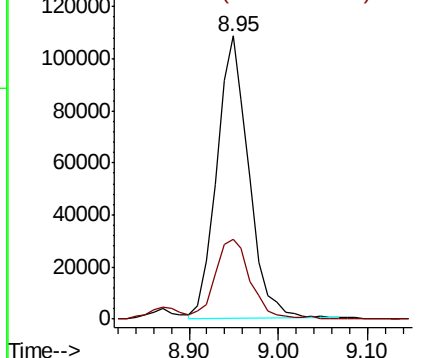
63 100

65 28.3 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 47.450 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

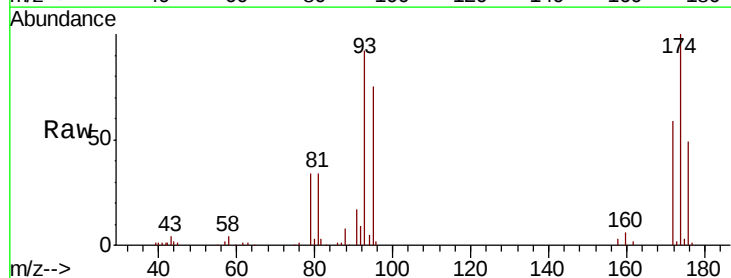
Tgt Ion: 93 Resp: 241195

Ion Ratio Lower Upper

93 100

95 80.7 66.6 100.0

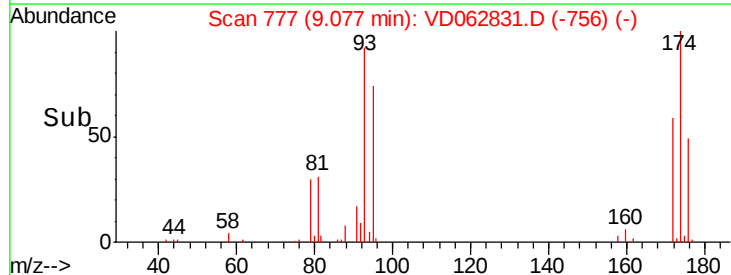
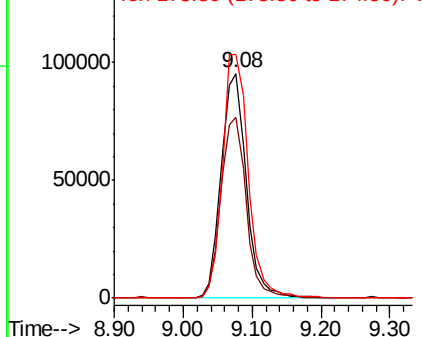
174 108.1 79.7 119.5

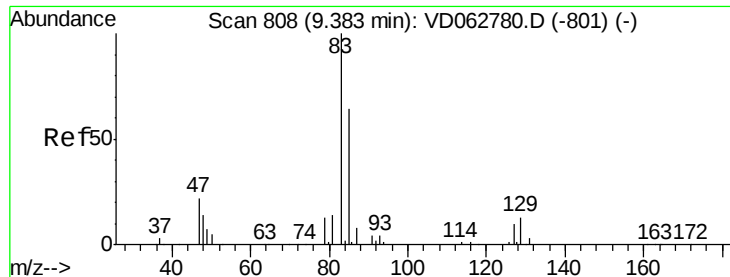


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 49.689 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

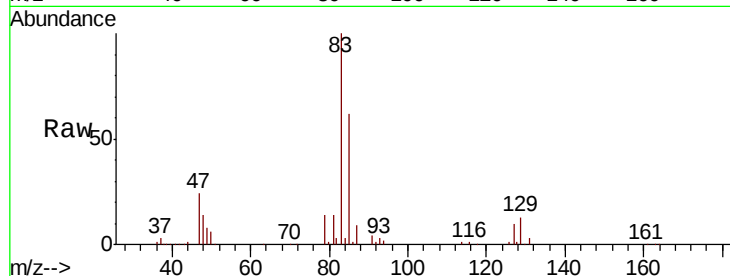
Tot Ion: 83 Resp: 655971

Ion Ratio Lower Upper

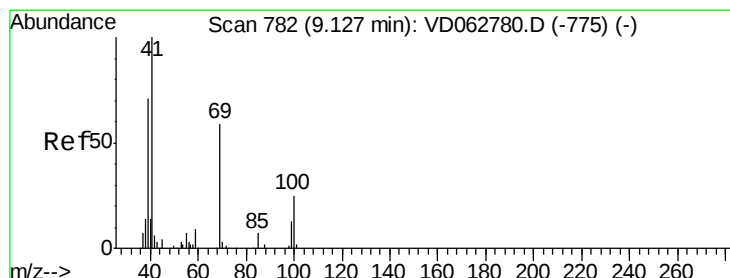
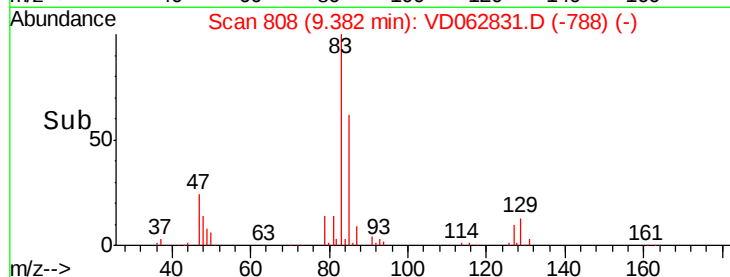
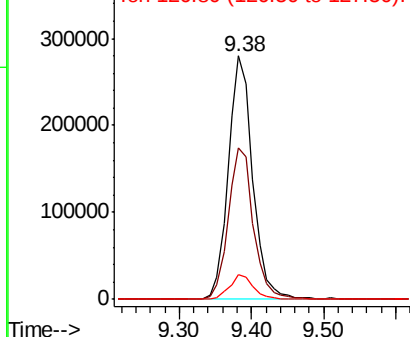
83 100

85 62.1 51.6 77.4

127 10.0 7.8 11.6



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: 48.046 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

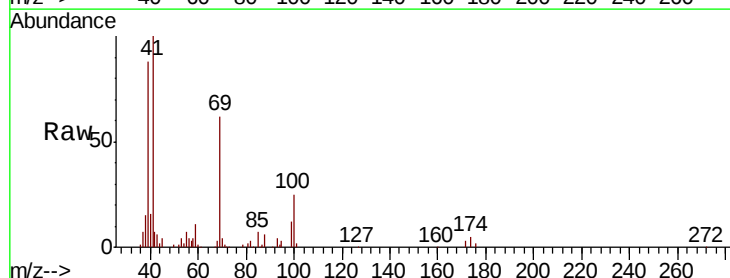
Tgt Ion: 41 Resp: 212212

Ion Ratio Lower Upper

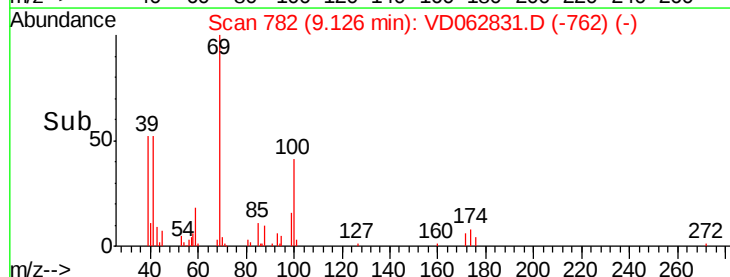
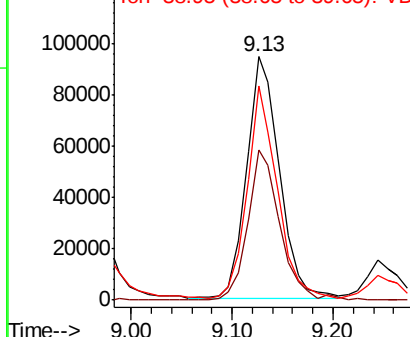
41 100

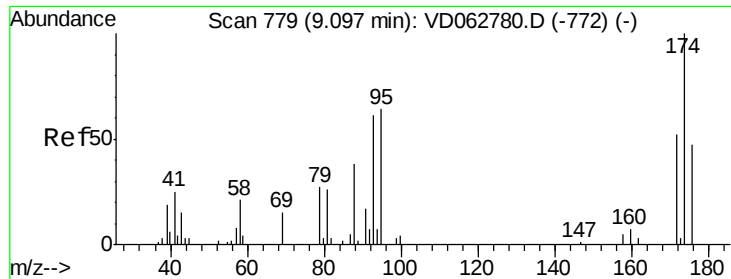
69 61.7 47.2 70.8

39 87.9 57.4 86.2#



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

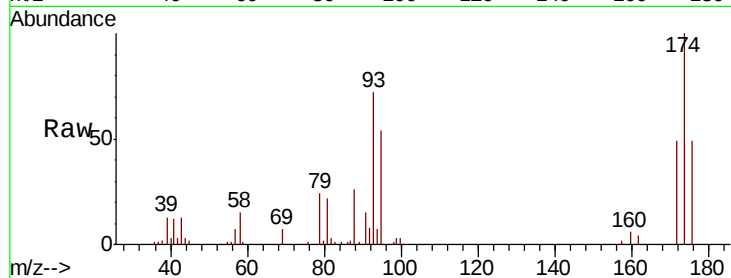




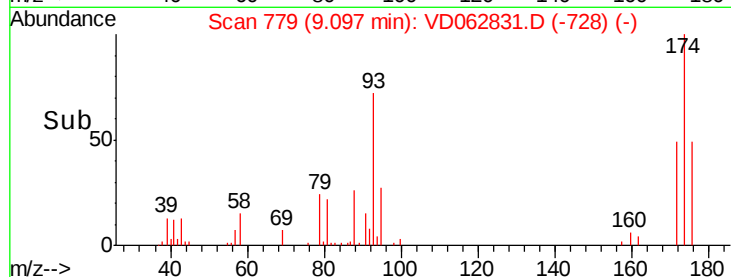
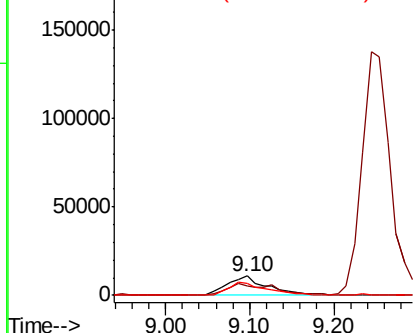
#49
1,4-Dioxane
Concen: 1019.000 ug/l
RT: 9.10 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 37445
Ion Ratio Lower Upper
88 100
43 48.9 32.1 48.1#
58 59.3 44.1 66.1

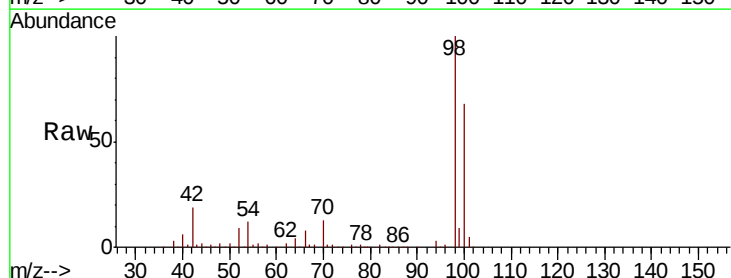


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

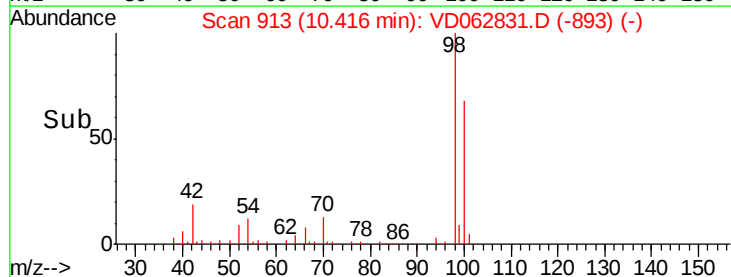
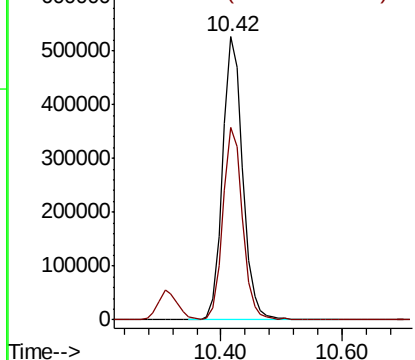


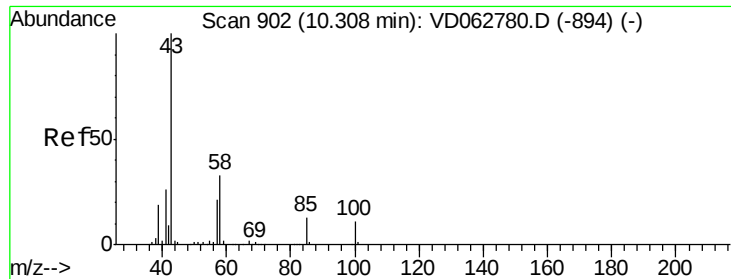
#50
Toluene-d8
Concen: 52.560 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion: 98 Resp: 1208010
Ion Ratio Lower Upper
98 100
100 68.1 54.7 82.1



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

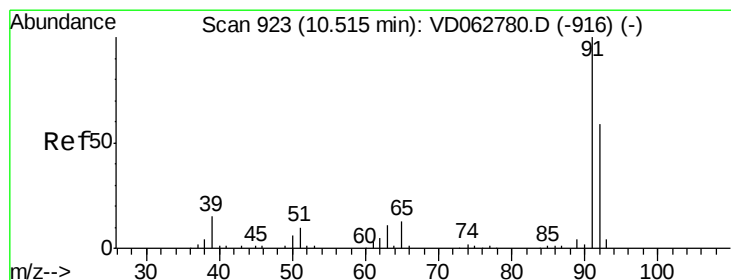
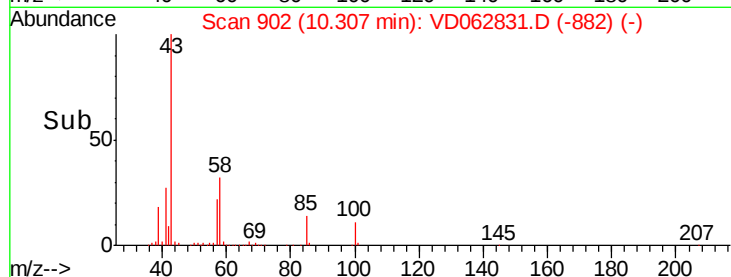
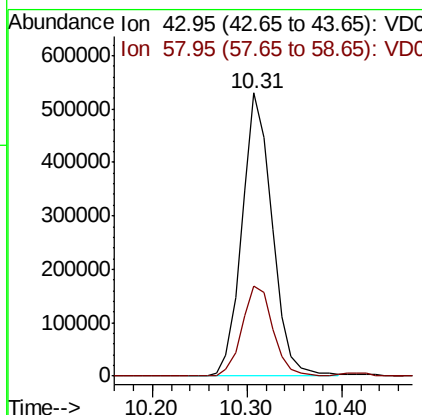
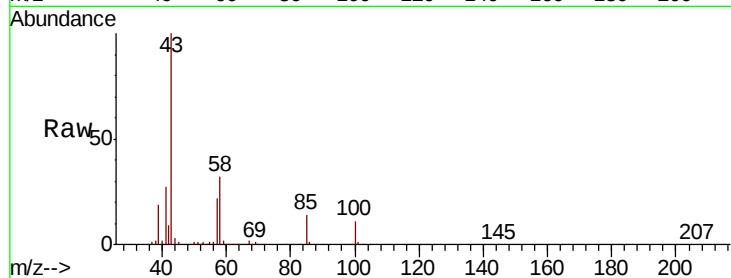




#51
4-Methyl-2-Pentanone
Concen: 265.150 ug/l
RT: 10.31 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

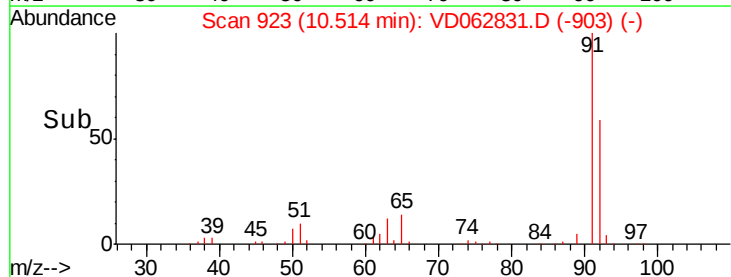
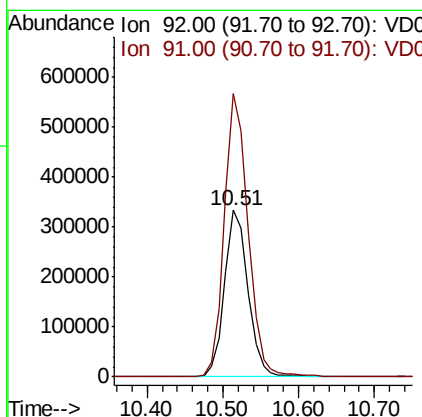
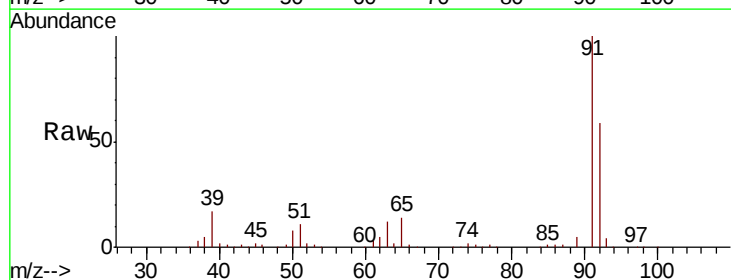
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

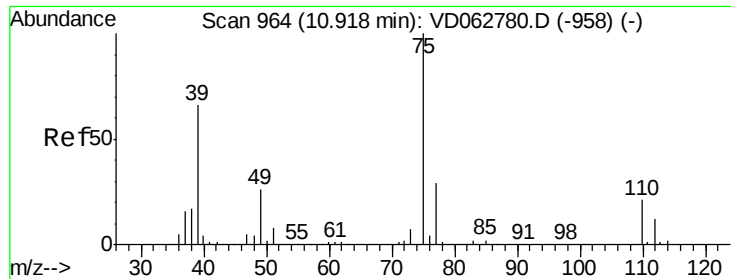
Tot Ion: 43 Resp: 1168437
Ion Ratio Lower Upper
43 100
58 31.8 26.6 40.0



#52
Toluene
Concen: 45.072 ug/l
RT: 10.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion: 92 Resp: 721006
Ion Ratio Lower Upper
92 100
91 169.9 136.3 204.5

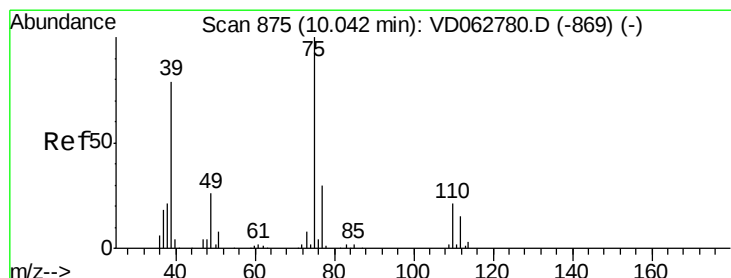
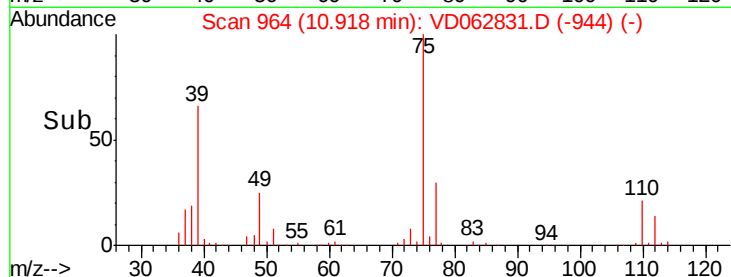
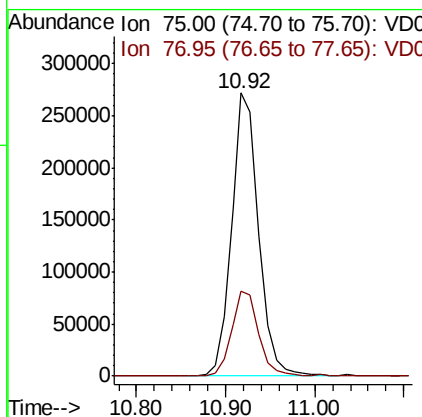
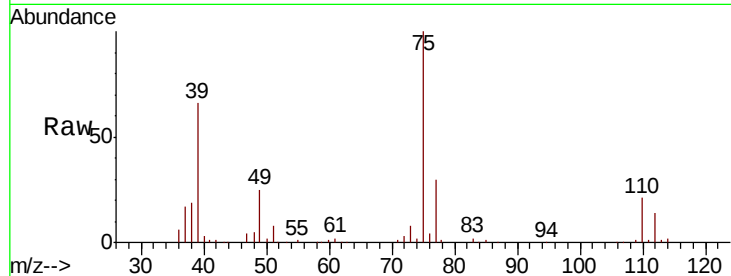




#53
 t-1,3-Dichloropropene
 Concen: 53.071 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

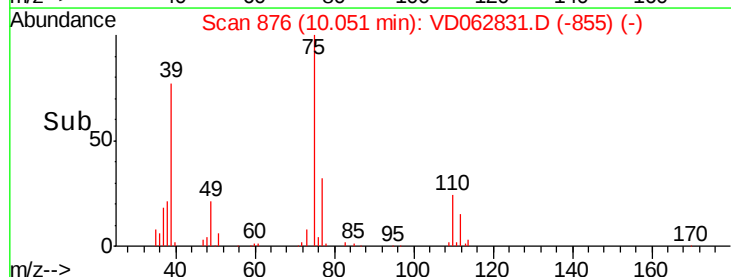
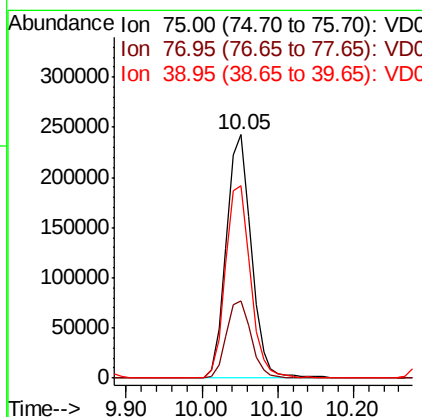
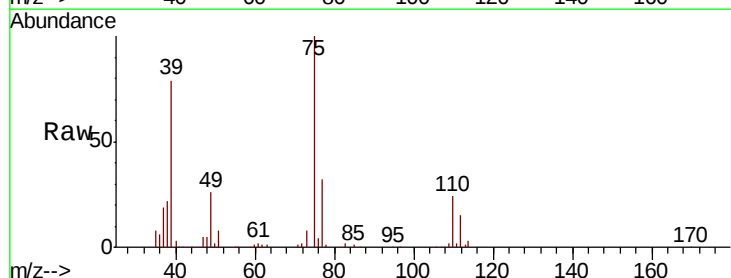
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

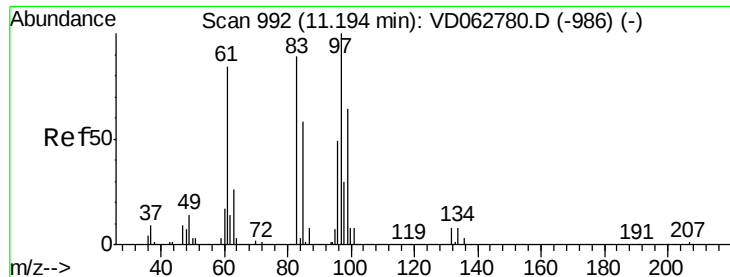
Tot Ion: 75 Resp: 573443
 Ion Ratio Lower Upper
 75 100
 77 30.2 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 47.276 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Tgt Ion: 75 Resp: 555224
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.2 36.2
 39 79.2 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 49.487 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 271974

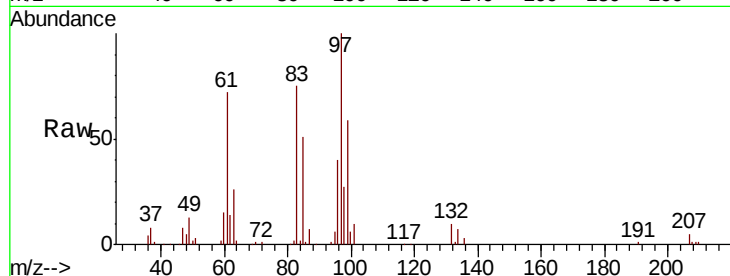
Ion Ratio Lower Upper

97 100

83 75.0 71.0 106.4

85 50.7 46.6 69.8

99 59.0 51.4 77.0

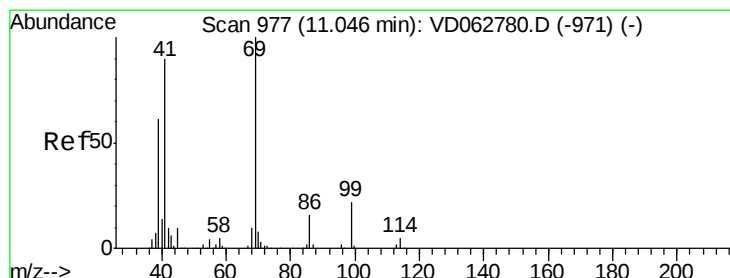
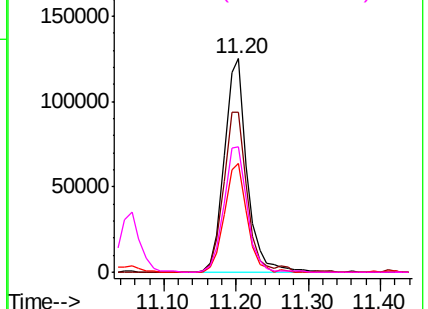
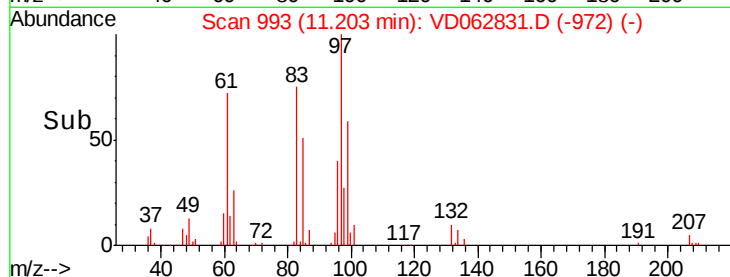


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 50.490 ug/l

RT: 11.05 min Scan# 977

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

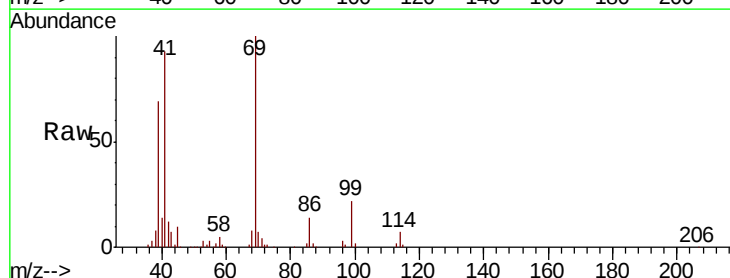
Tgt Ion: 69 Resp: 296550

Ion Ratio Lower Upper

69 100

41 93.1 72.0 108.0

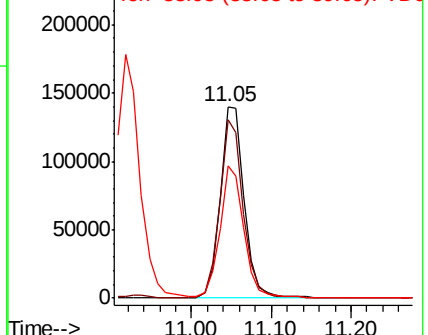
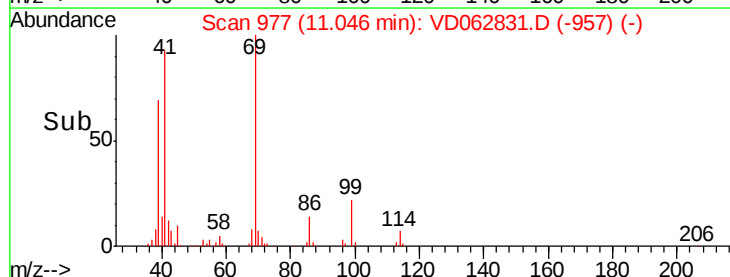
39 69.3 49.5 74.3

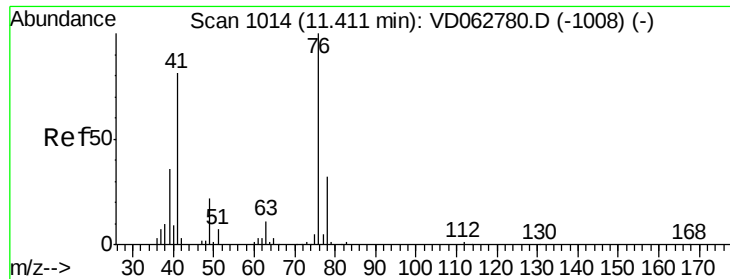


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 50.121 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

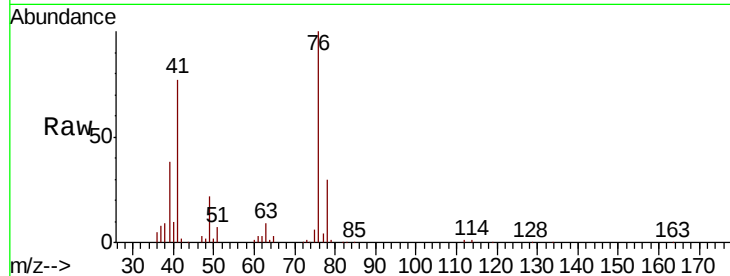
VSTDCCC050

Tot Ion: 76 Resp: 421775

Ion Ratio Lower Upper

76 100

78 30.0 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

200000

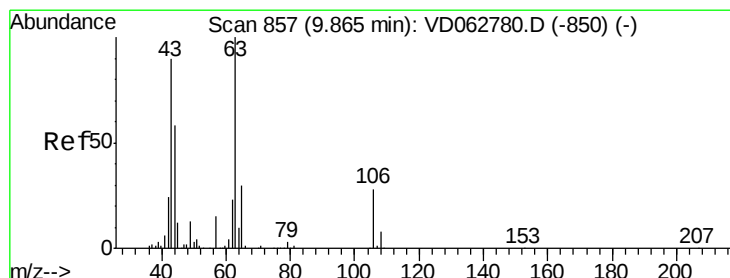
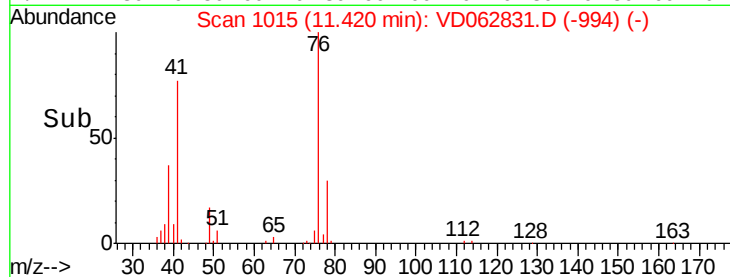
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 248.376 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD062831.D

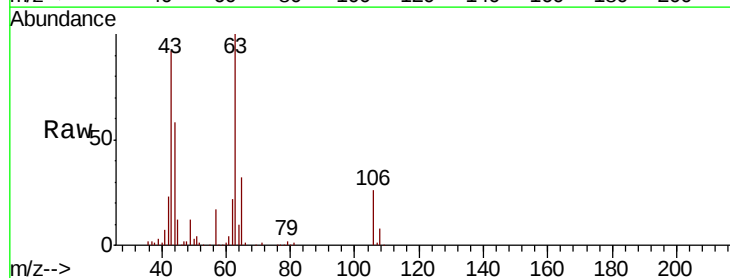
Acq: 24 Jun 2019 10:46

Tgt Ion: 63 Resp: 748930

Ion Ratio Lower Upper

63 100

106 26.2 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

400000

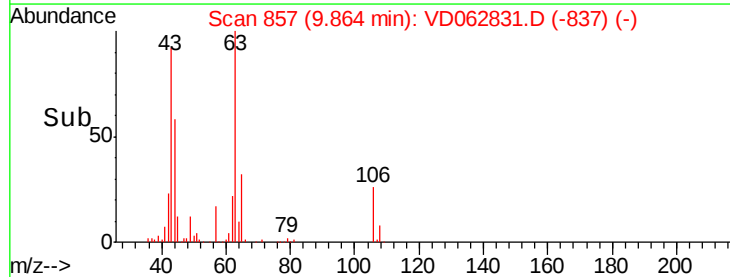
300000

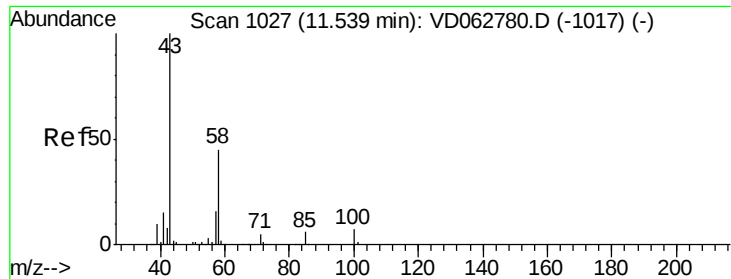
200000

100000

0

Time-->

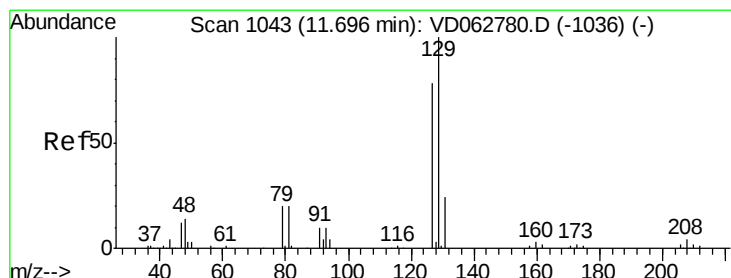
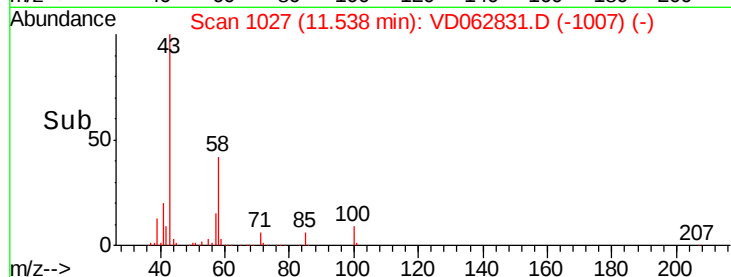
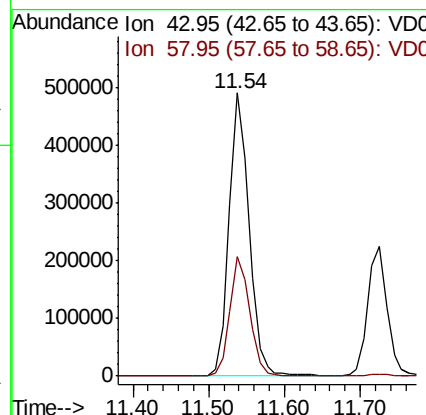
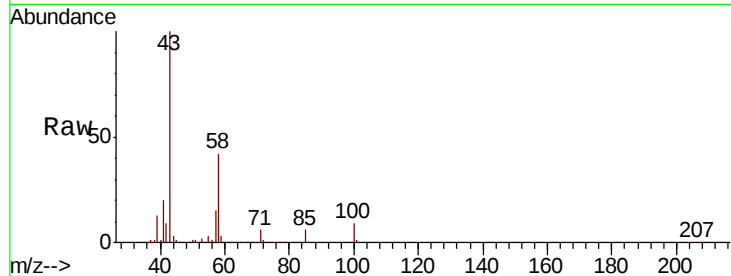




#59
2-Hexanone
Concen: 289.258 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

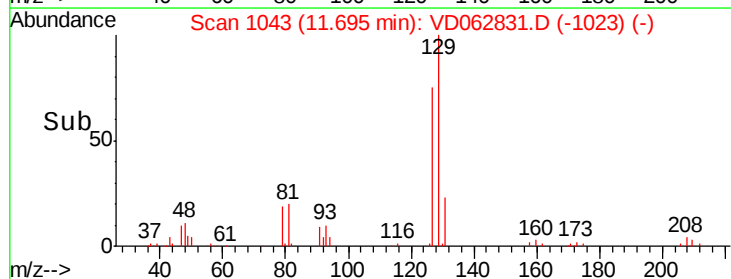
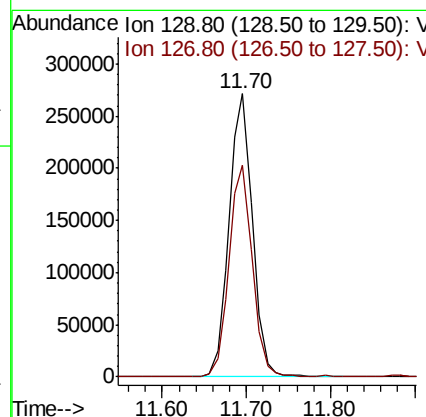
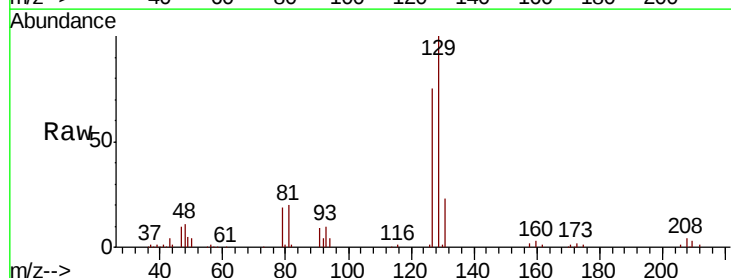
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

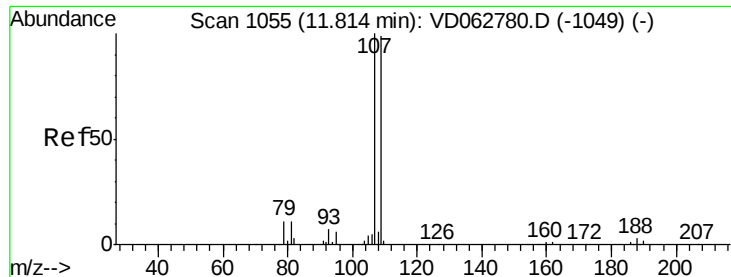
Tot Ion: 43 Resp: 907809
Ion Ratio Lower Upper
43 100
58 42.3 22.4 67.2



#60
Dibromochloromethane
Concen: 51.128 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion: 129 Resp: 523392
Ion Ratio Lower Upper
129 100
127 74.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 49.301 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

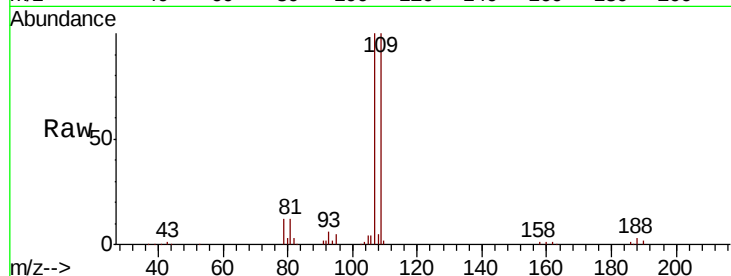
VSTDCCC050

Tot Ion:107 Resp: 320009

Ion Ratio Lower Upper

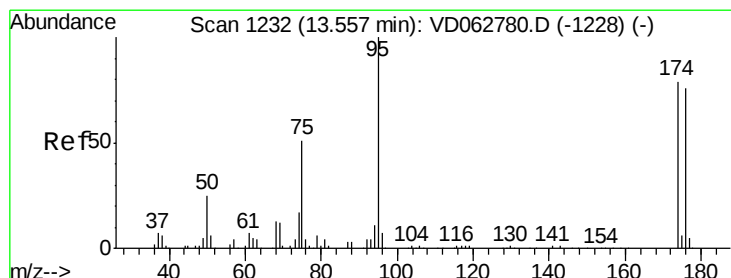
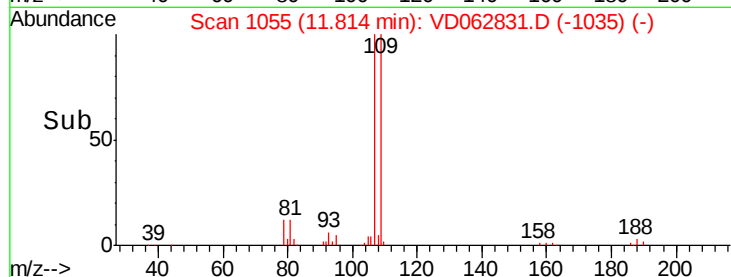
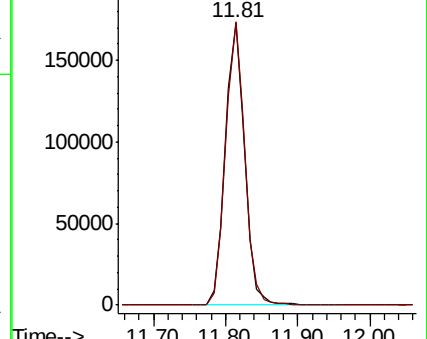
107 100

109 100.3 79.3 118.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 55.165 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

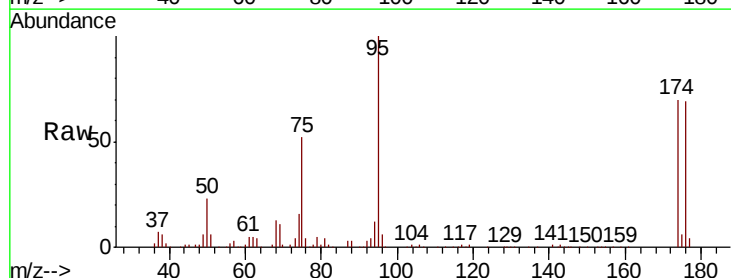
Tgt Ion: 95 Resp: 576510

Ion Ratio Lower Upper

95 100

174 70.5 0.0 158.0

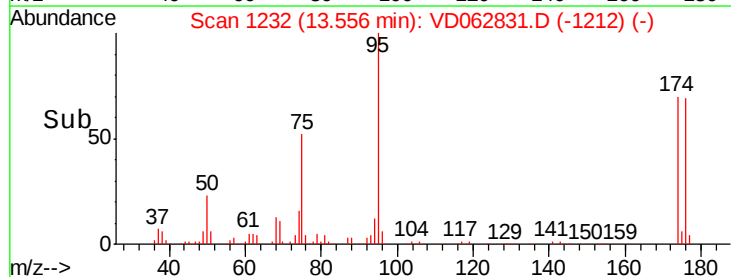
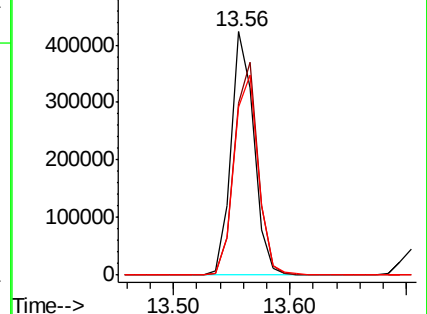
176 69.0 0.0 151.6

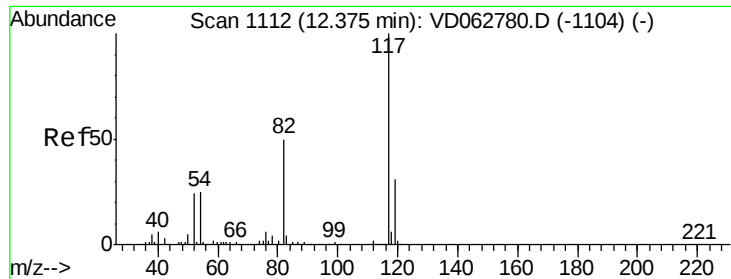


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

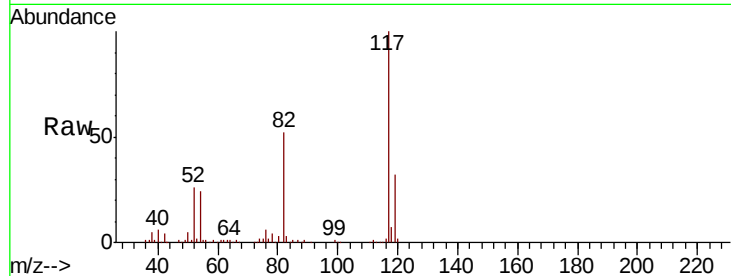




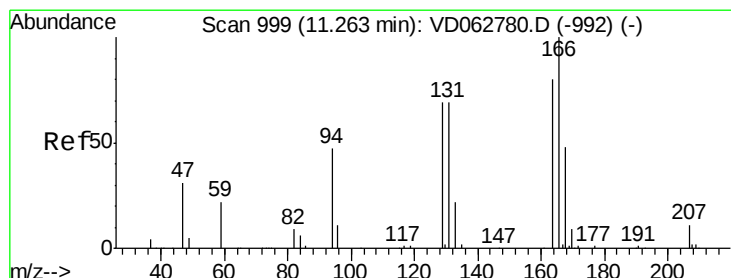
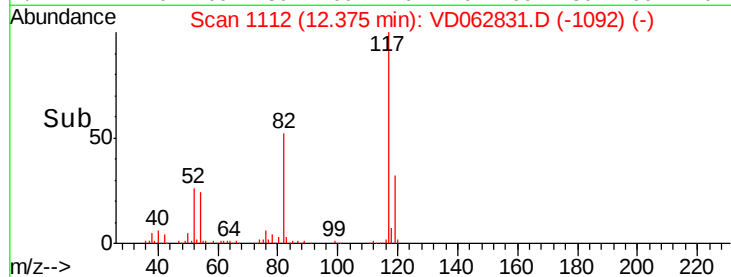
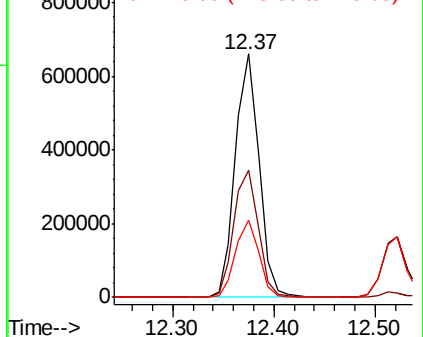
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1084786
Ion Ratio Lower Upper
117 100
82 52.3 40.4 60.6
119 31.8 25.2 37.8

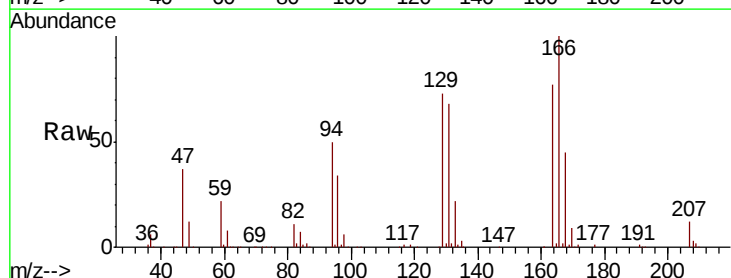


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

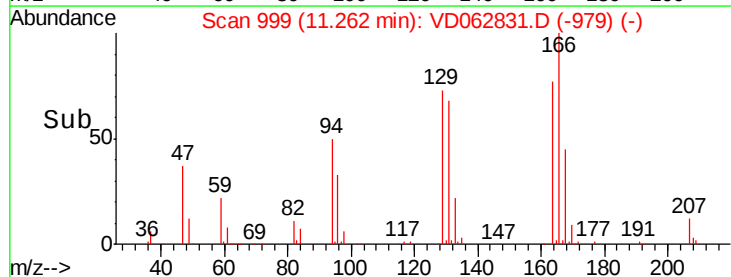
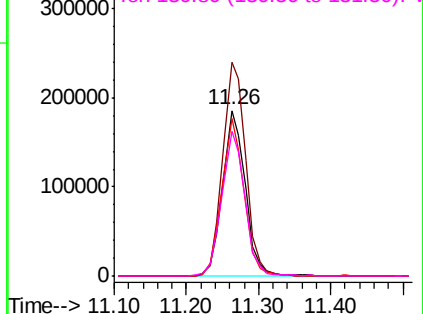


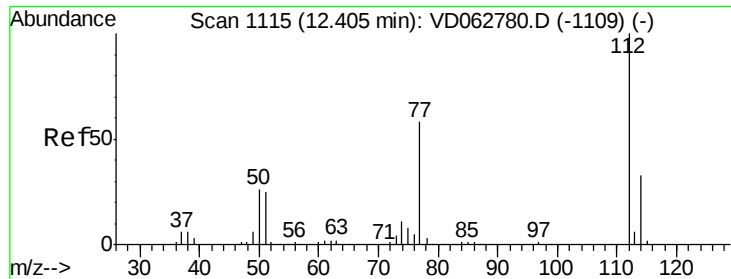
#64
Tetrachloroethene
Concen: 45.236 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion:164 Resp: 403867
Ion Ratio Lower Upper
164 100
166 129.3 100.6 150.8
129 94.9 69.4 104.0
131 87.6 69.3 103.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

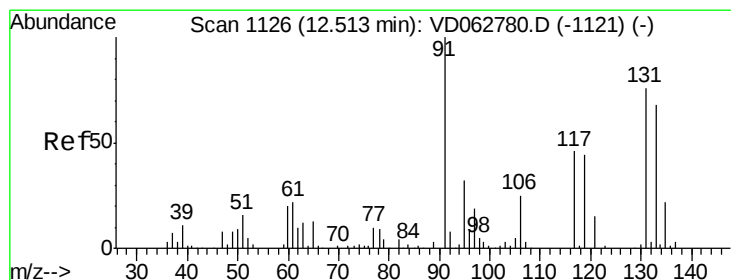
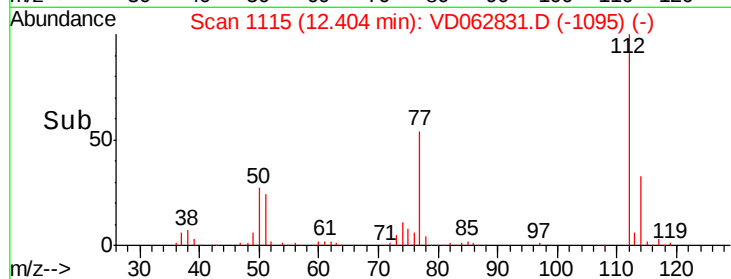
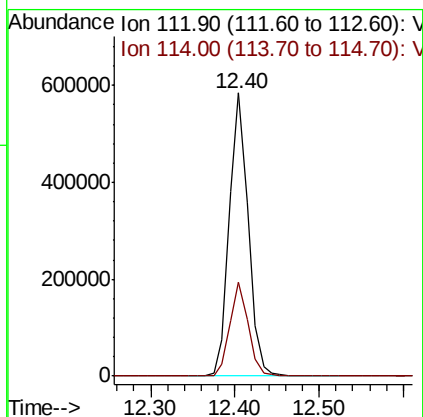
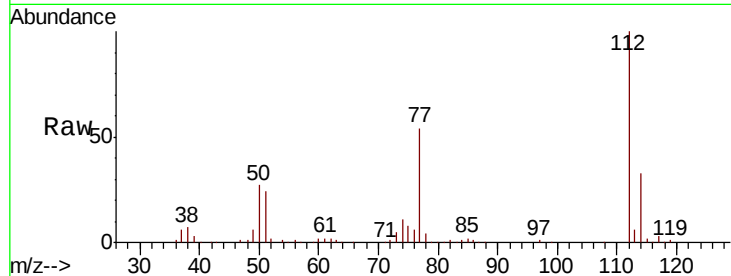




#65
Chlorobenzene
Concen: 45.525 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

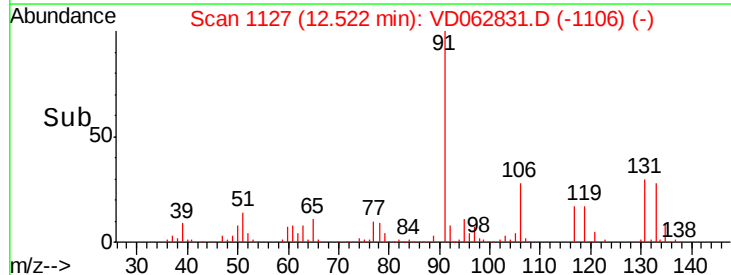
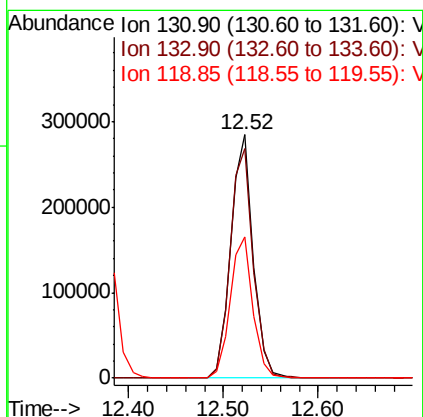
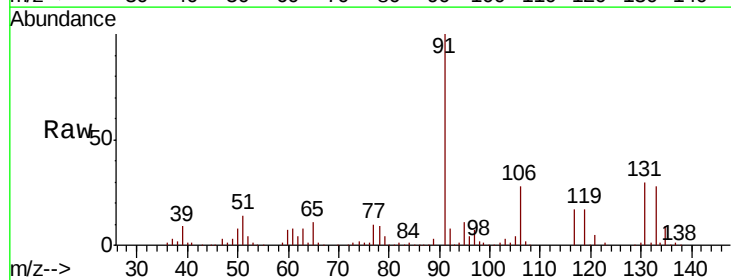
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 916530
Ion Ratio Lower Upper
112 100
114 33.1 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 49.113 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion:131 Resp: 462404
Ion Ratio Lower Upper
131 100
133 94.2 44.5 133.3
119 57.8 28.6 85.9

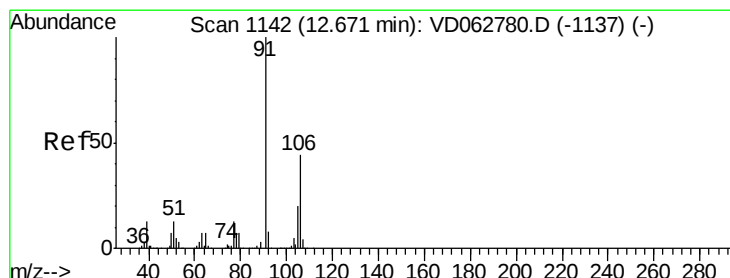
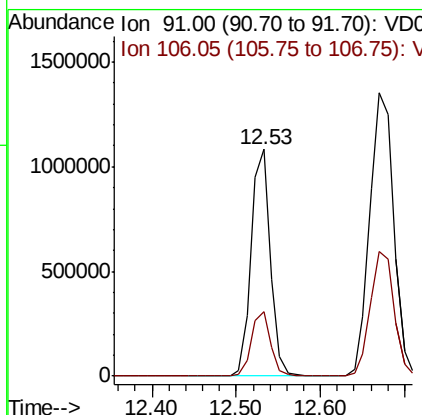
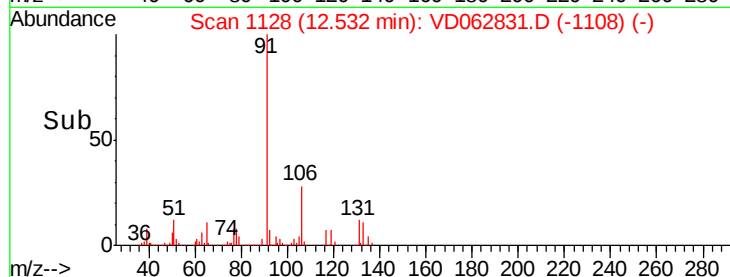
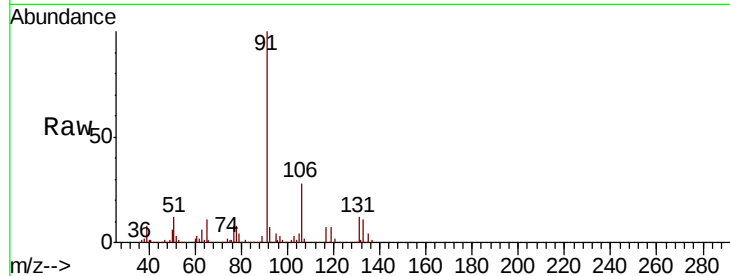




#67
Ethyl Benzene
Concen: 48.118 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

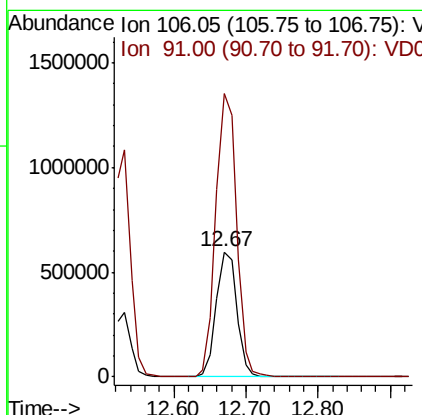
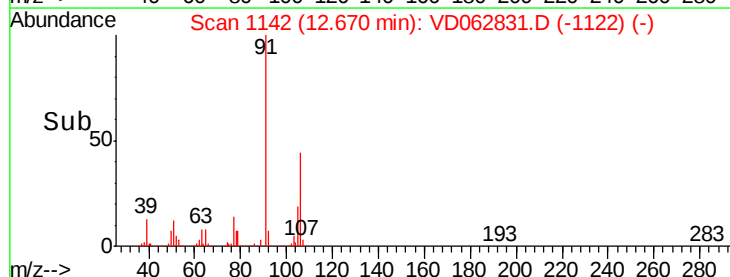
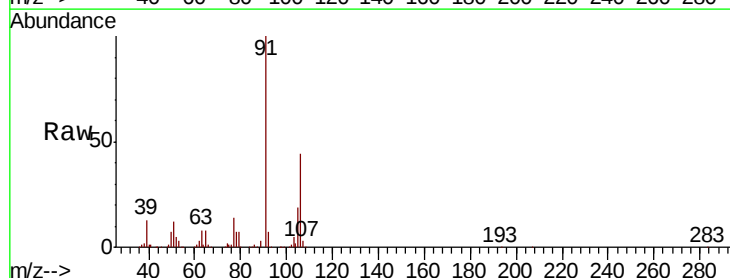
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1739243
Ion Ratio Lower Upper
91 100
106 28.5 23.1 34.7



#68
m/p-Xylenes
Concen: 92.577 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion: 106 Resp: 1165472
Ion Ratio Lower Upper
106 100
91 226.8 183.0 274.6

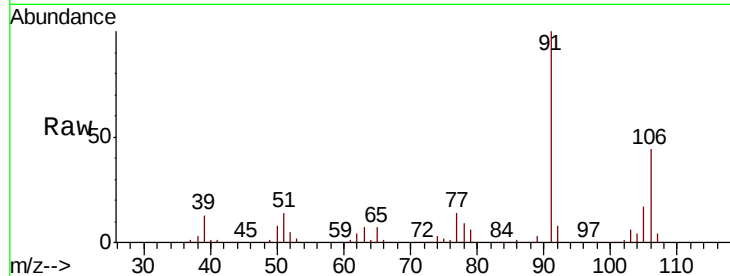




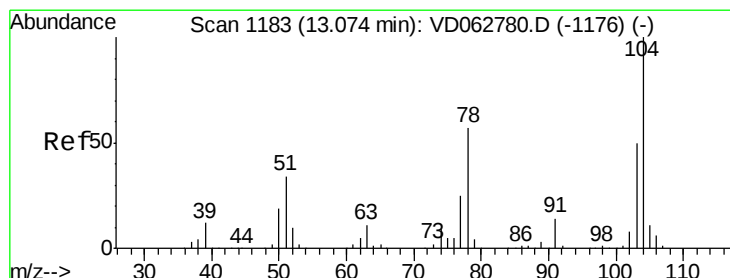
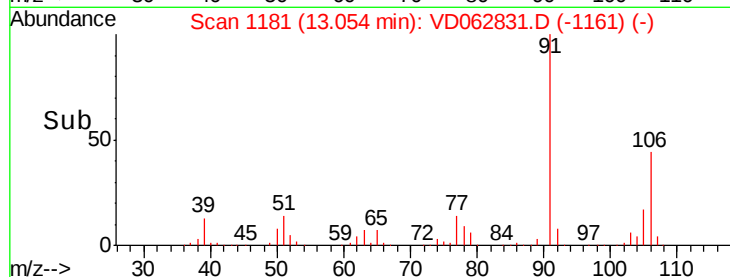
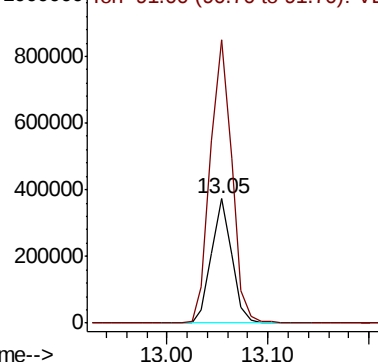
#69
o-Xylene
Concen: 45.634 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 525180
Ion Ratio Lower Upper
106 100
91 227.8 117.9 353.6

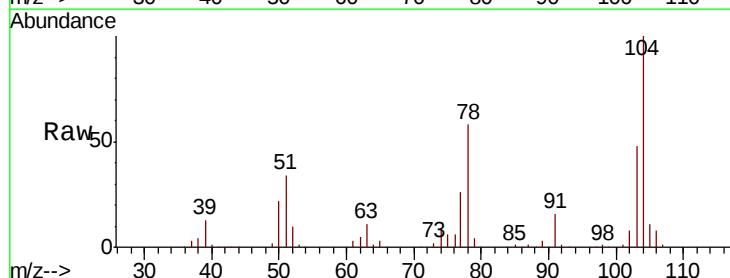


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

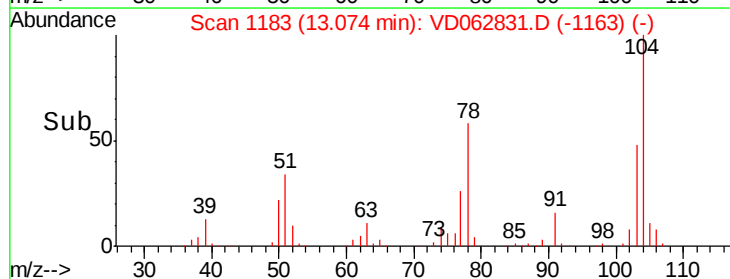
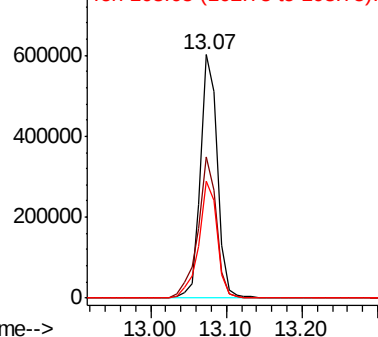


#70
Styrene
Concen: 45.675 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion:104 Resp: 923272
Ion Ratio Lower Upper
104 100
78 58.2 45.4 68.2
103 47.9 39.7 59.5



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: 52.605 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

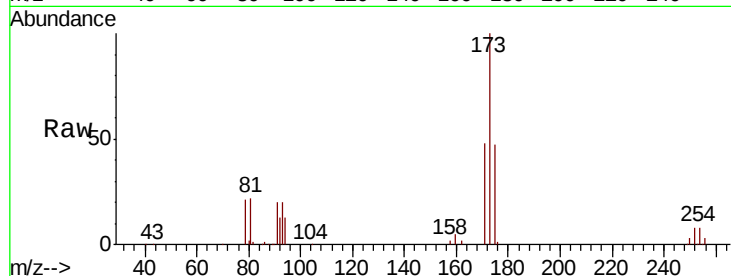
Tot Ion:173 Resp: 339336

Ion Ratio Lower Upper

173 100

175 47.1 25.3 75.9

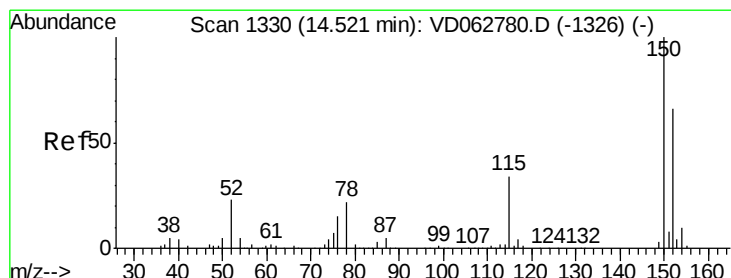
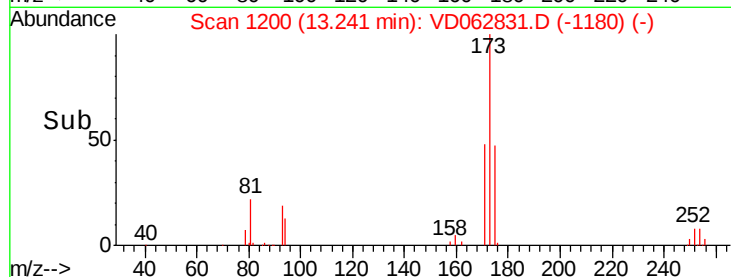
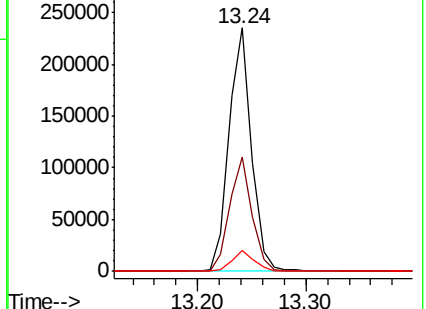
254 8.4 7.1 10.7



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: VD062831.D

Acq: 24 Jun 2019 10:46

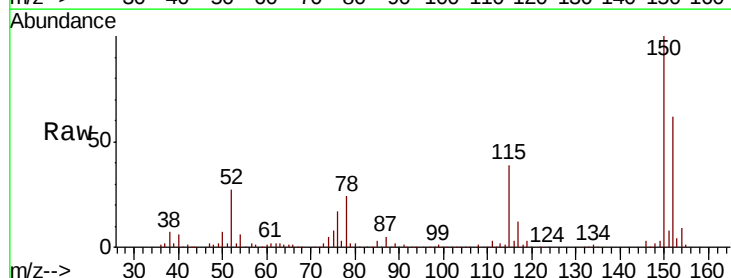
Tgt Ion:152 Resp: 552488

Ion Ratio Lower Upper

152 100

115 62.5 29.2 87.6

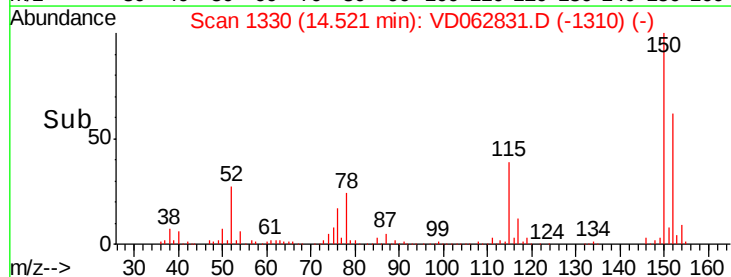
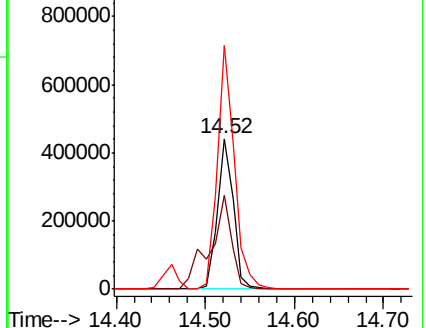
150 161.5 0.0 305.8

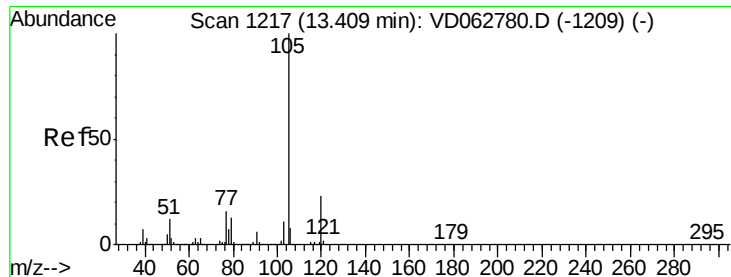


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.991 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

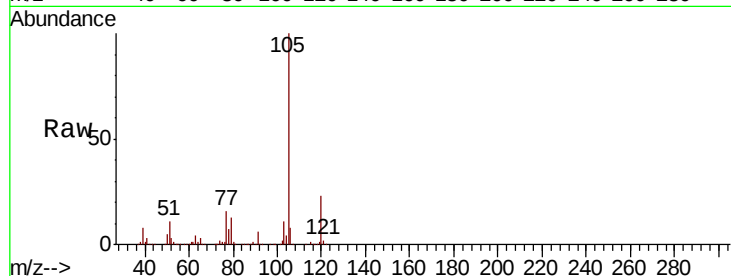
VSTDCCC050

Tot Ion:105 Resp: 1664647

Ion Ratio Lower Upper

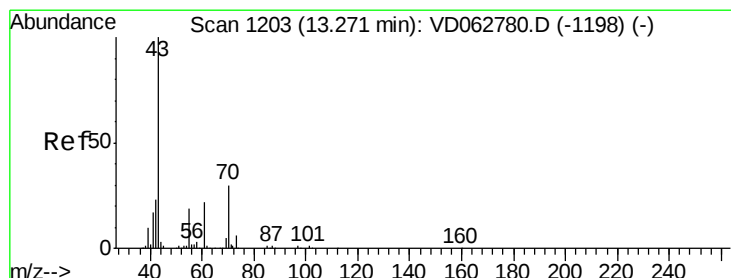
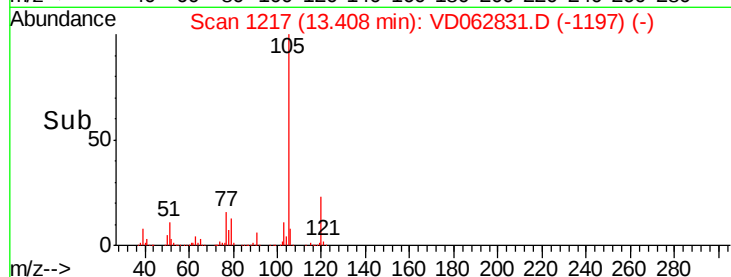
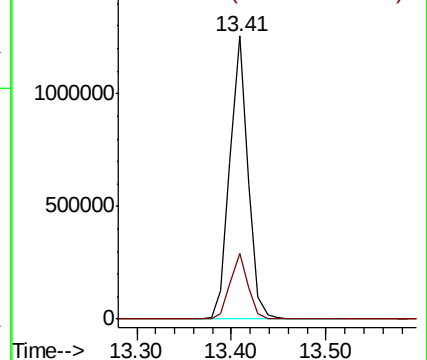
105 100

120 23.0 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 56.856 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Tgt Ion: 43 Resp: 489119

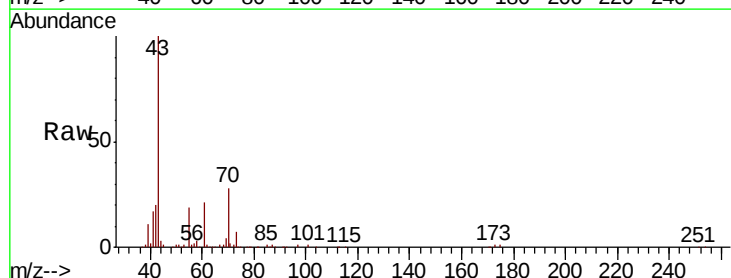
Ion Ratio Lower Upper

43 100

70 27.6 24.4 36.6

55 18.6 15.2 22.8

61 20.8 17.4 26.2

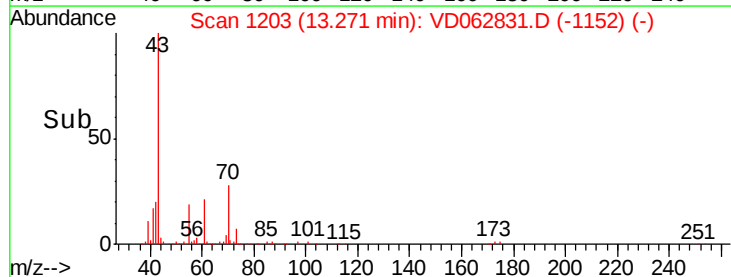
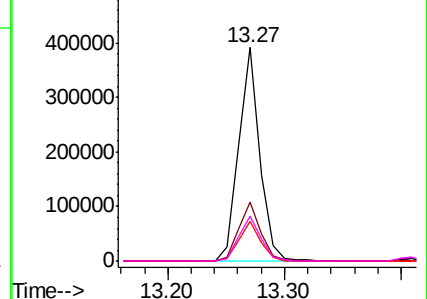


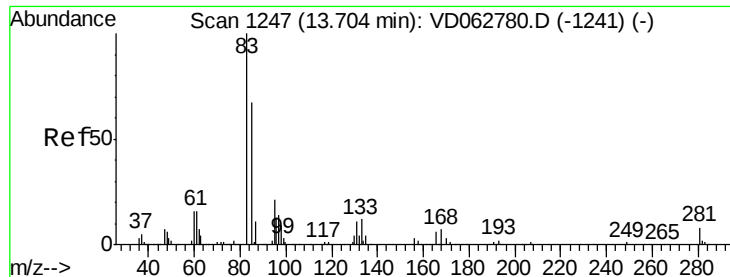
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 49.561 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

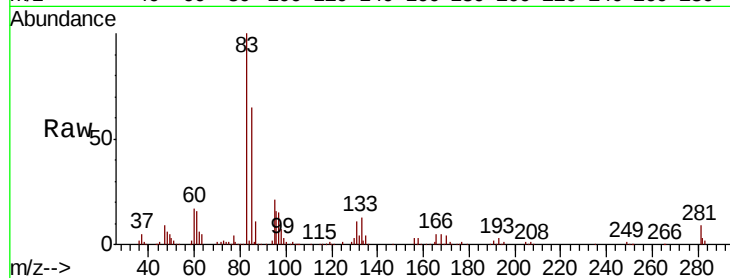
Tot Ion: 83 Resp: 286058

Ion Ratio Lower Upper

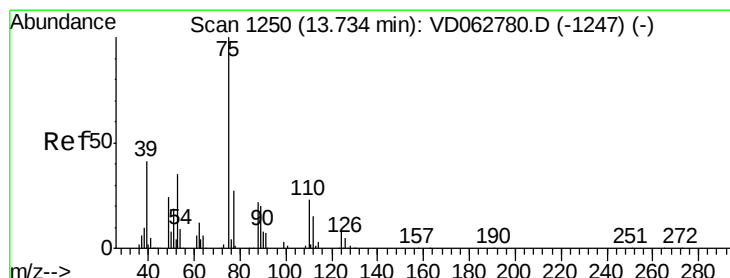
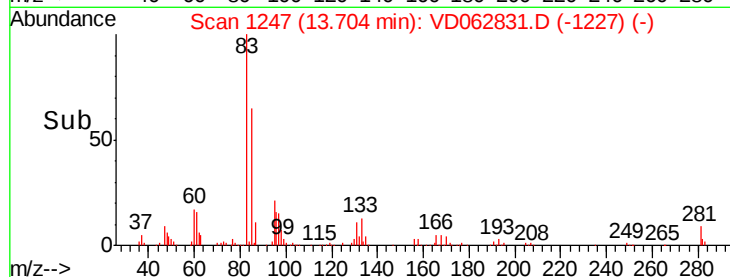
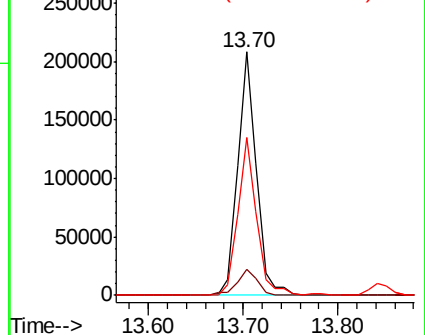
83 100

131 10.8 5.3 16.1

85 64.9 33.7 101.1



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: 52.349 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062831.D

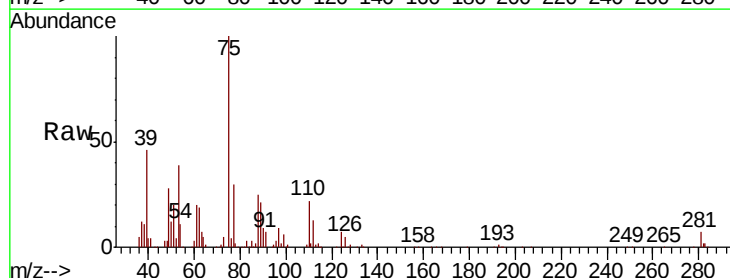
Acq: 24 Jun 2019 10:46

Tgt Ion: 75 Resp: 333889

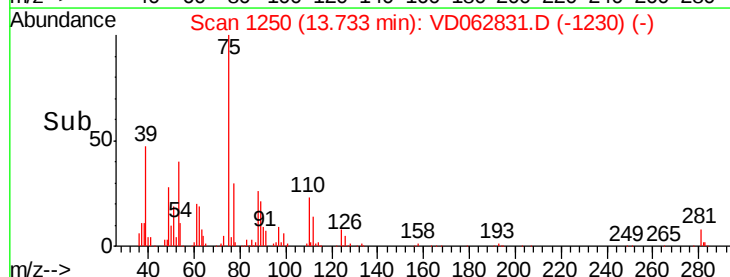
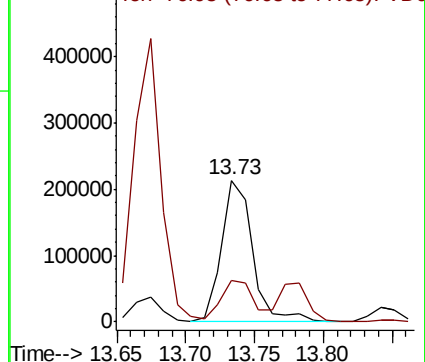
Ion Ratio Lower Upper

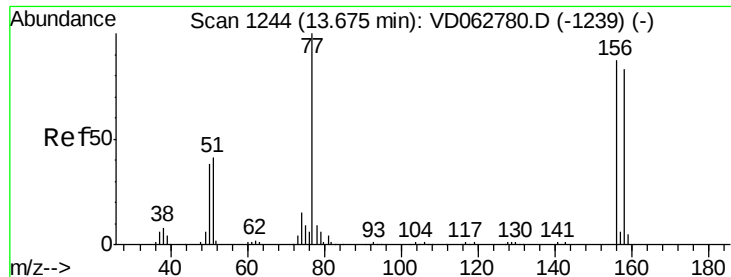
75 100

77 29.6 15.0 45.1



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





#77

Bromobenzene

Concen: 47.593 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

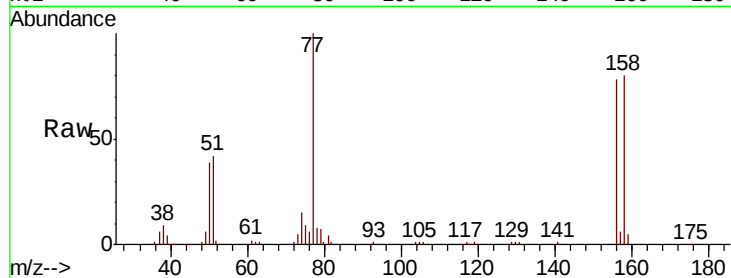
Tot Ion:156 Resp: 453470

Ion Ratio Lower Upper

156 100

77 128.7 57.7 173.1

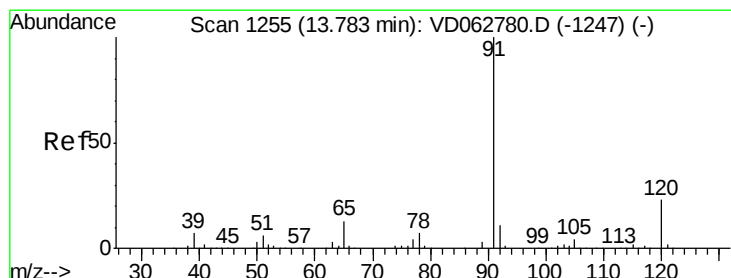
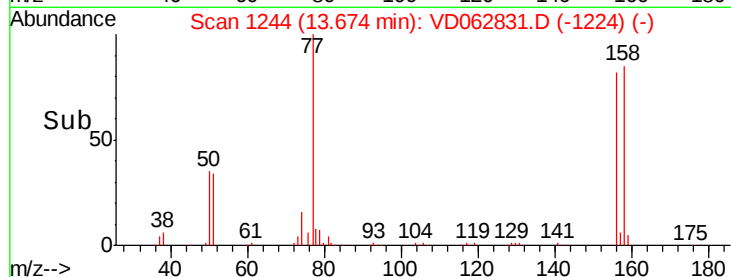
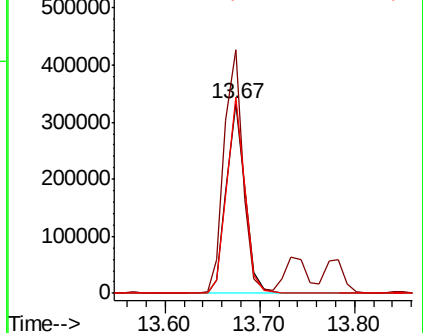
158 103.4 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.635 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062831.D

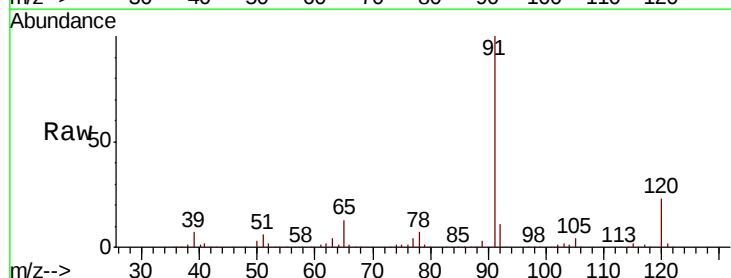
Acq: 24 Jun 2019 10:46

Tgt Ion: 91 Resp: 1964026

Ion Ratio Lower Upper

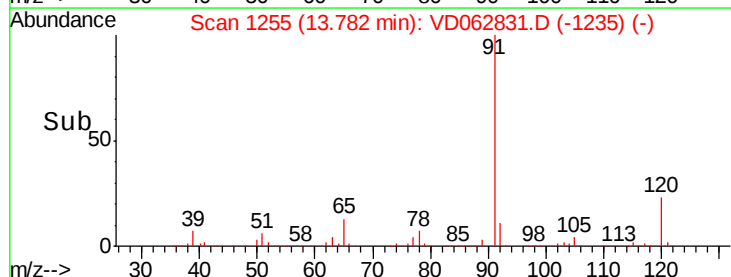
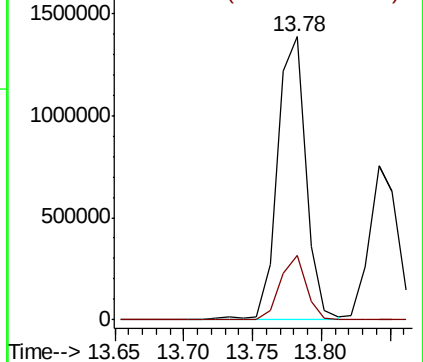
91 100

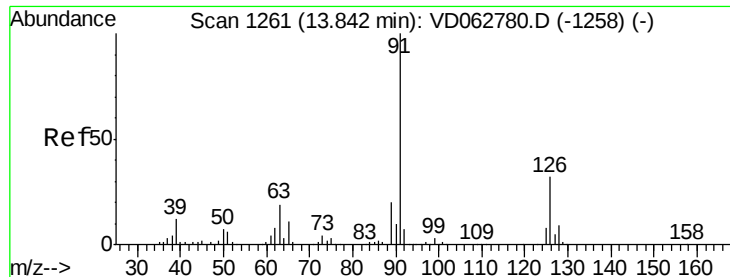
120 22.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

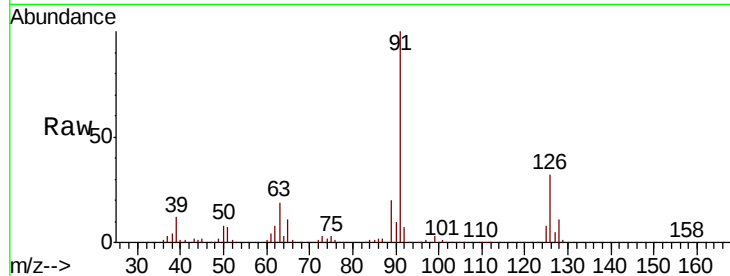




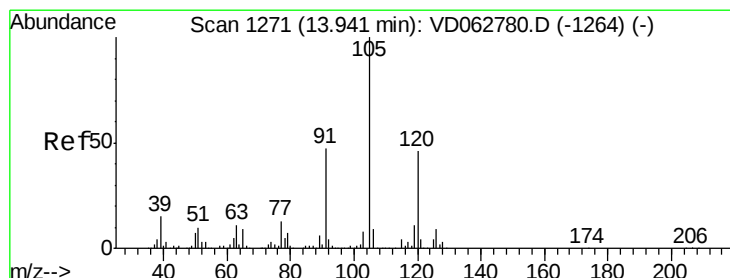
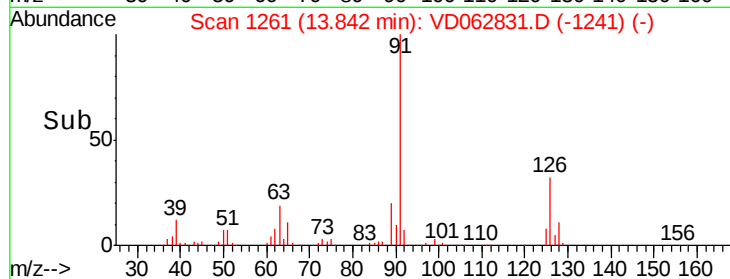
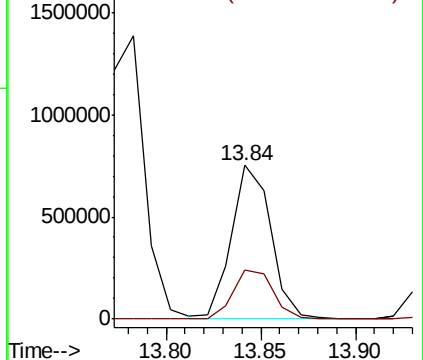
#79
2-Chlorotoluene
Concen: 45.638 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1075361
Ion Ratio Lower Upper
91 100
126 31.9 15.7 47.1

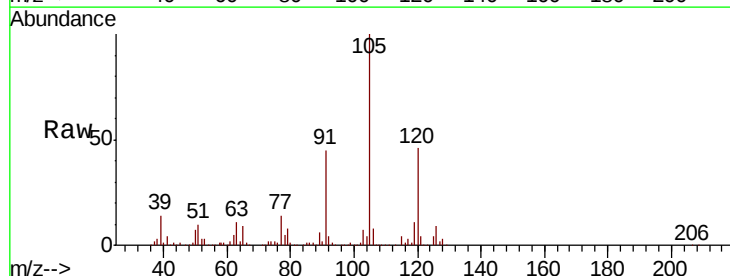


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

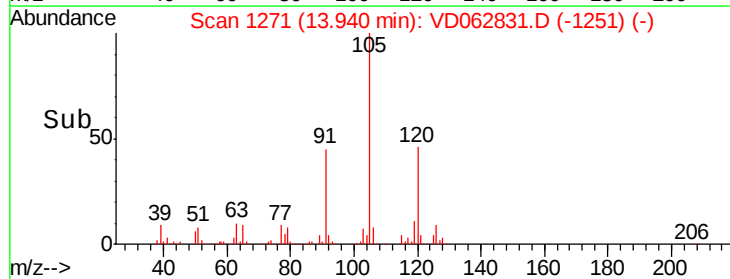
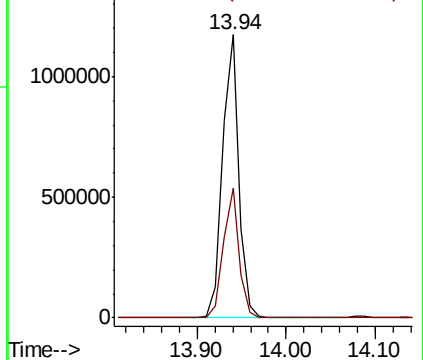


#80
1,3,5-Trimethylbenzene
Concen: 50.963 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion:105 Resp: 1516417
Ion Ratio Lower Upper
105 100
120 45.6 23.1 69.2



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: 54.393 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

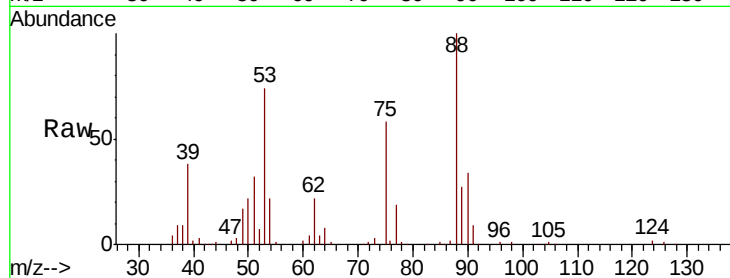
Tot Ion: 75 Resp: 90923

Ion Ratio Lower Upper

75 100

53 126.2 97.8 146.8

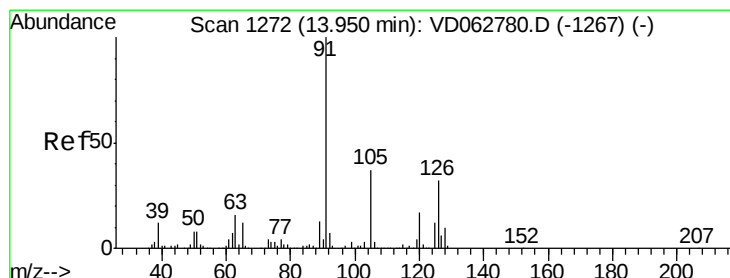
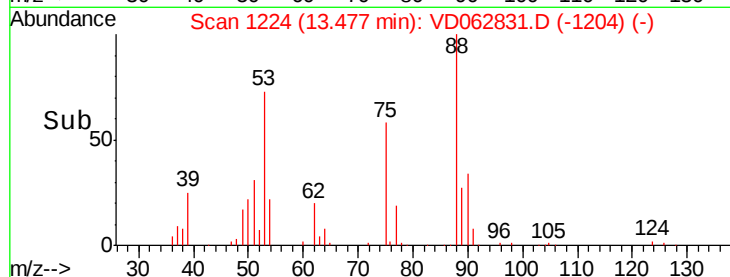
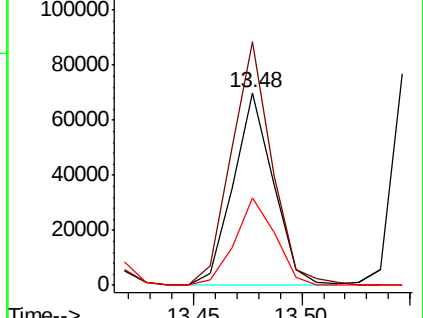
89 45.6 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 49.902 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062831.D

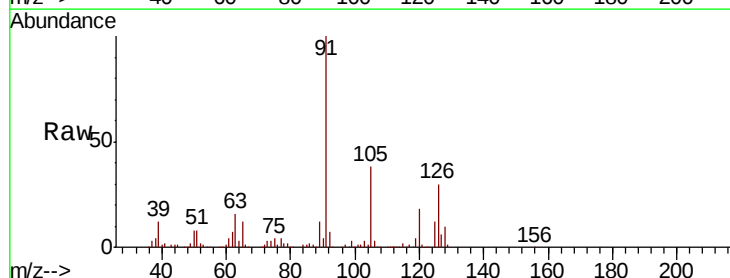
Acq: 24 Jun 2019 10:46

Tgt Ion: 91 Resp: 1415592

Ion Ratio Lower Upper

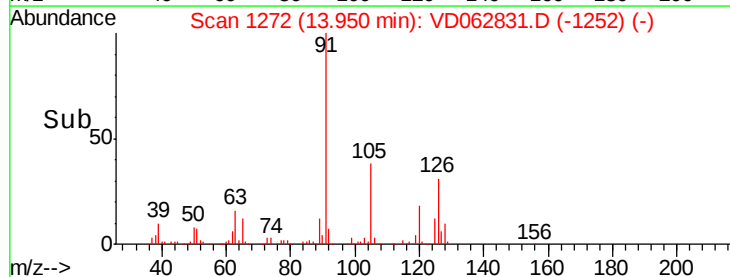
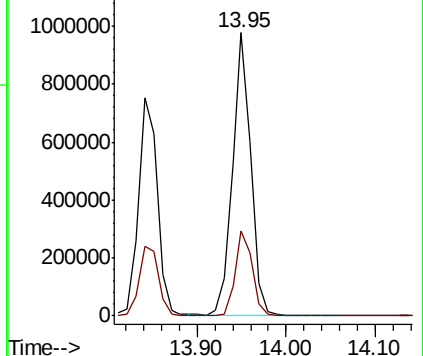
91 100

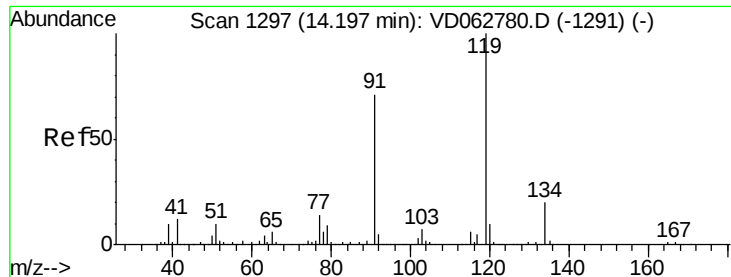
126 30.2 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 51.945 ug/l

RT: 14.20 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

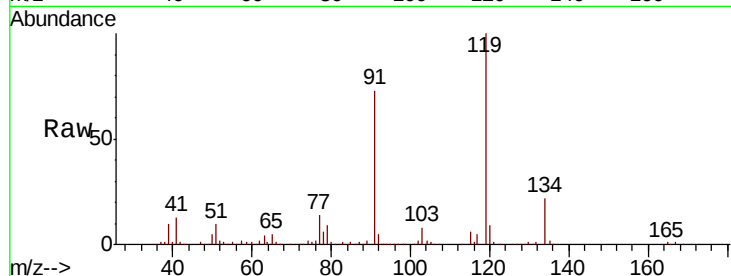
Tot Ion:119 Resp: 1722838

Ion Ratio Lower Upper

119 100

91 72.7 35.5 106.5

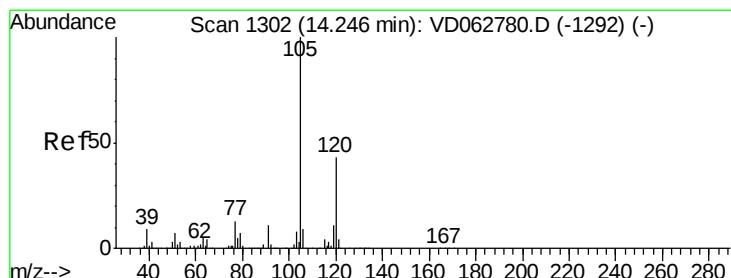
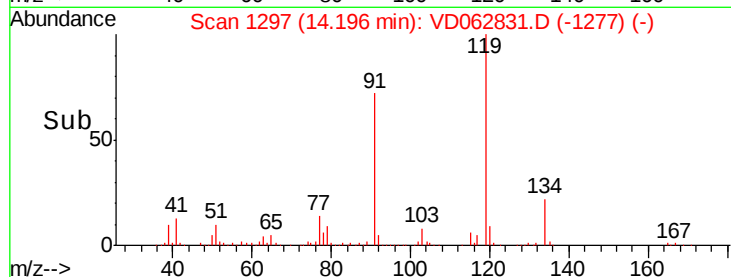
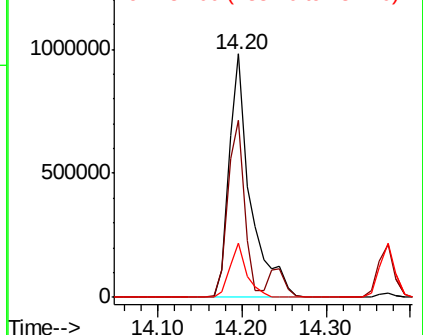
134 22.2 10.2 30.6



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: 49.779 ug/l

RT: 14.25 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD062831.D

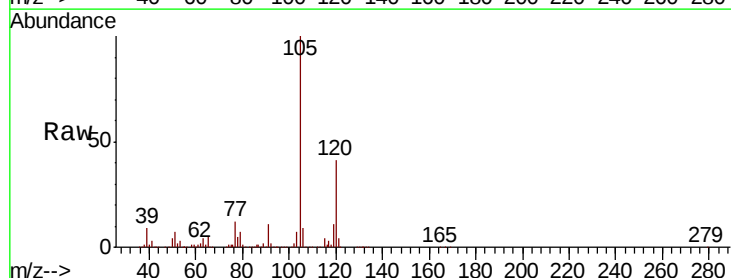
Acq: 24 Jun 2019 10:46

Tgt Ion:105 Resp: 1518143

Ion Ratio Lower Upper

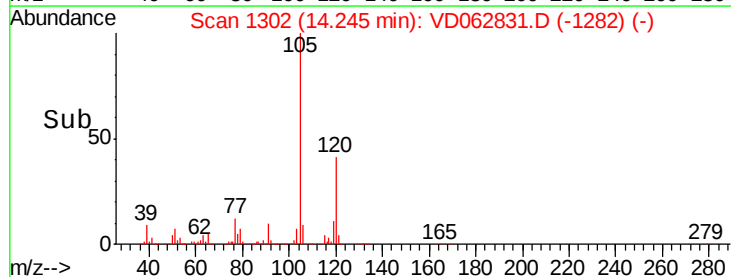
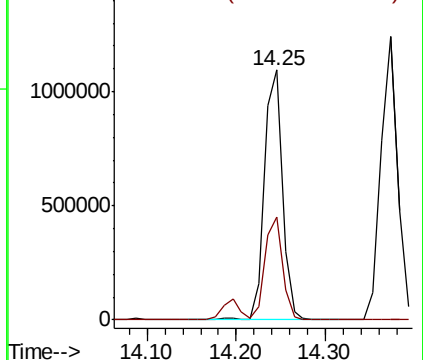
105 100

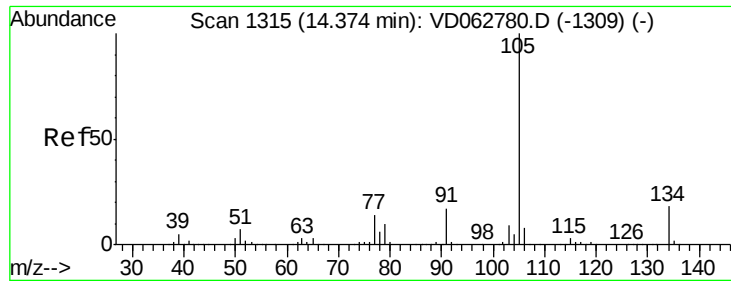
120 41.5 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 44.514 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

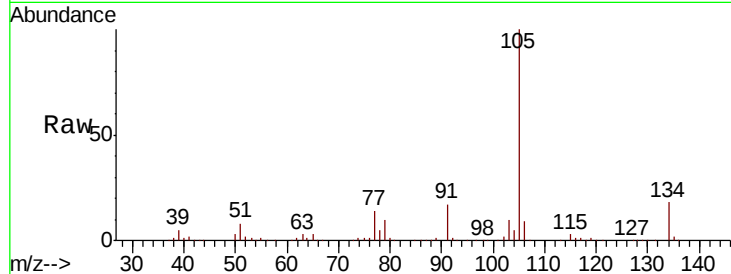
VSTDCCC050

Tot Ion:105 Resp: 1604644

Ion Ratio Lower Upper

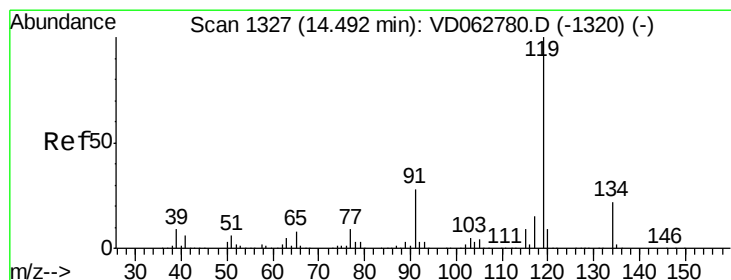
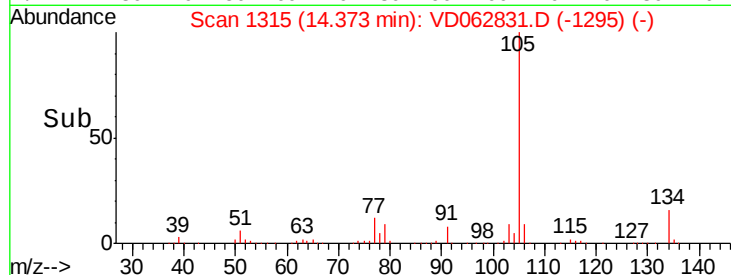
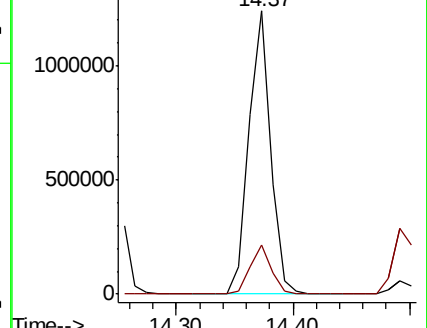
105 100

134 17.6 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 51.014 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

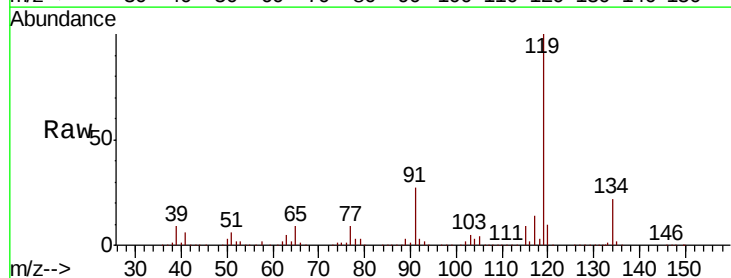
Tgt Ion:119 Resp: 1682345

Ion Ratio Lower Upper

119 100

134 21.6 11.1 33.1

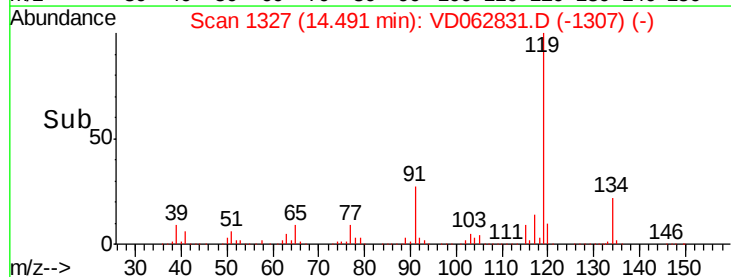
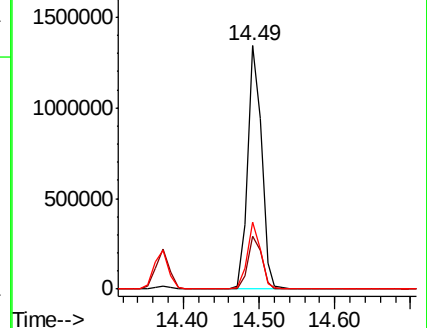
91 27.4 14.0 41.9



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.982 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

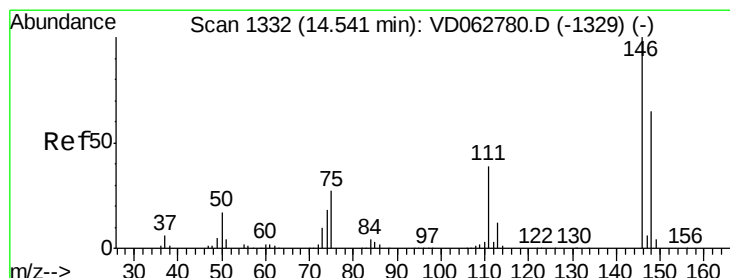
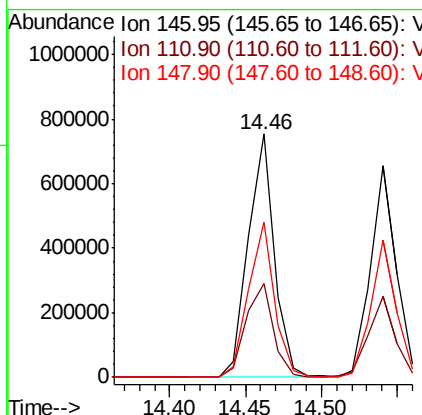
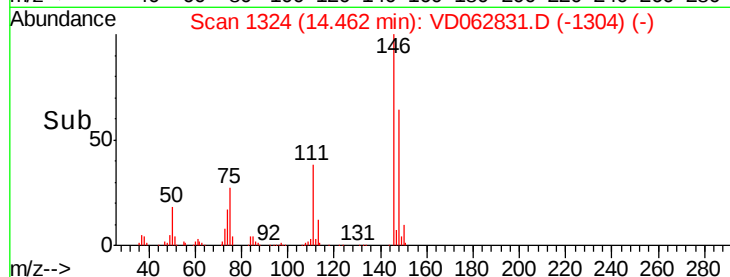
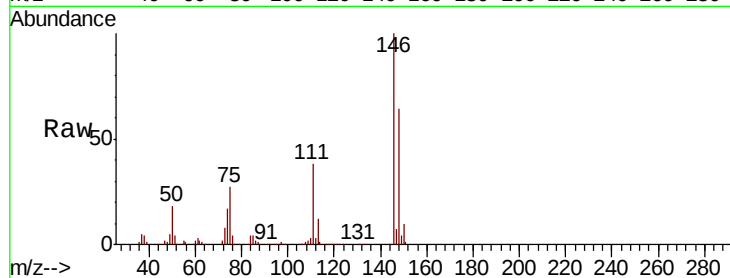
Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 904928

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.0	57.0
148	63.6	30.8	92.3



#88

1,4-Dichlorobenzene

Concen: 45.870 ug/l

RT: 14.54 min Scan# 1332

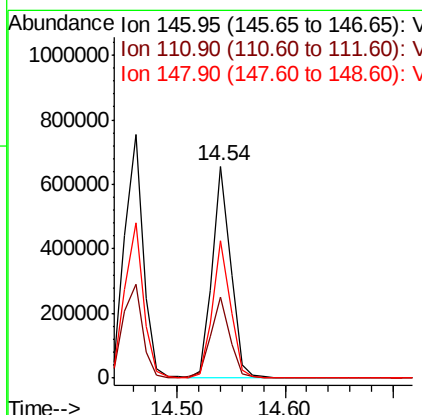
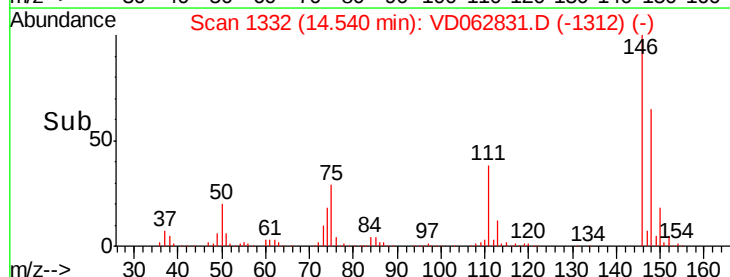
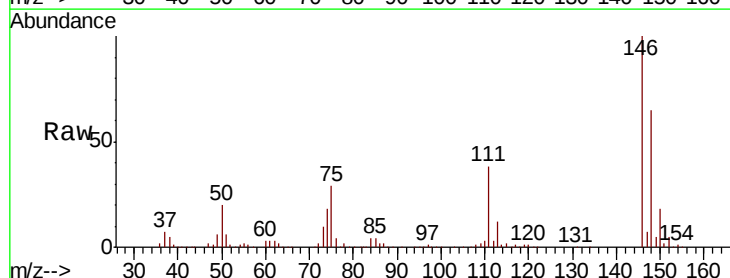
Delta R.T. -0.00 min

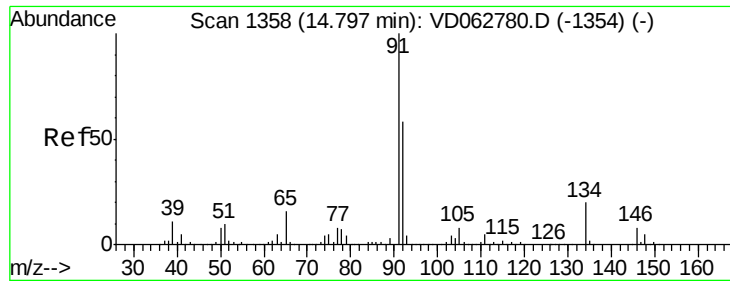
Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Tgt Ion:146 Resp: 786909

Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.1
148	64.8	32.8	98.3





#89

n-Butylbenzene

Concen: 48.560 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062831.D

Acq: 24 Jun 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

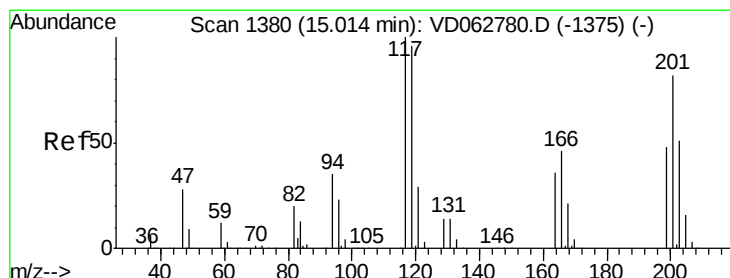
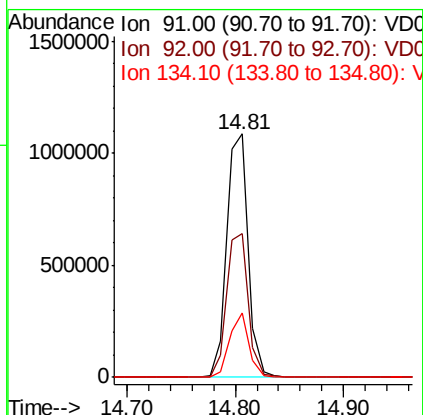
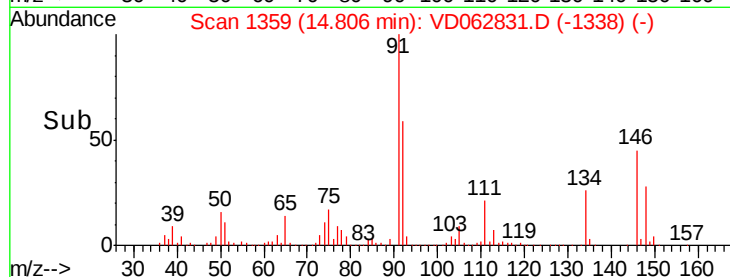
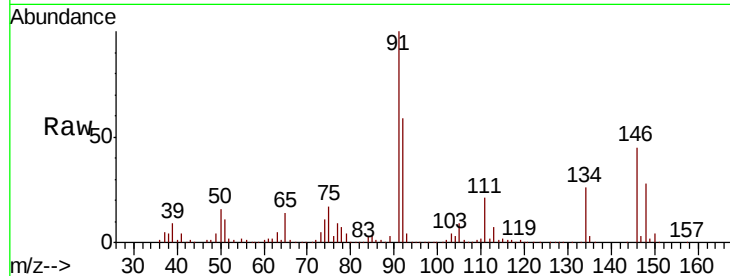
Tot Ion: 91 Resp: 1498859

Ion Ratio Lower Upper

91 100

92 59.3 28.9 86.7

134 26.3 10.1 30.3



#90

Hexachloroethane

Concen: 50.751 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062831.D

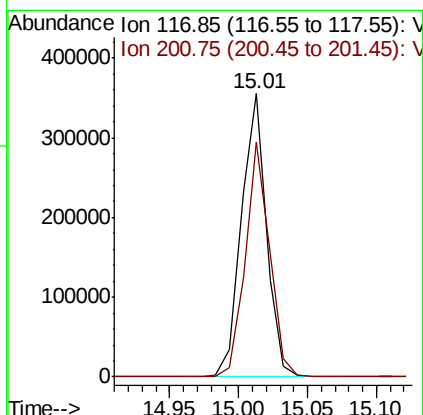
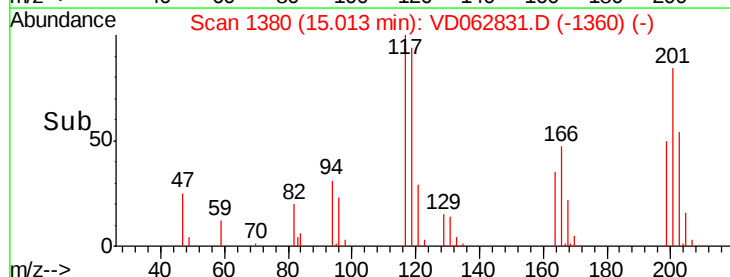
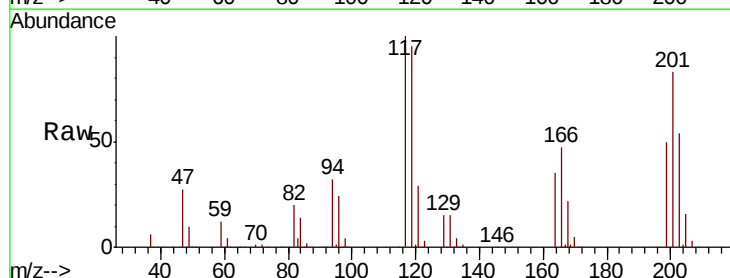
Acq: 24 Jun 2019 10:46

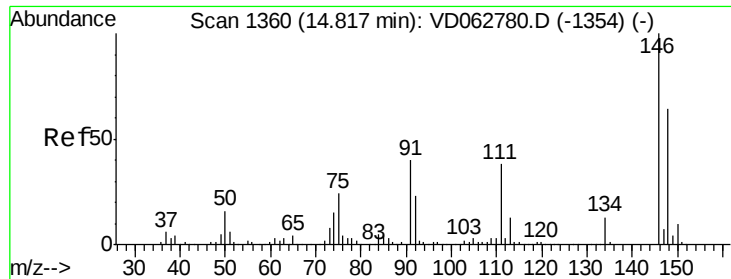
Tgt Ion: 117 Resp: 449995

Ion Ratio Lower Upper

117 100

201 82.9 40.8 122.2

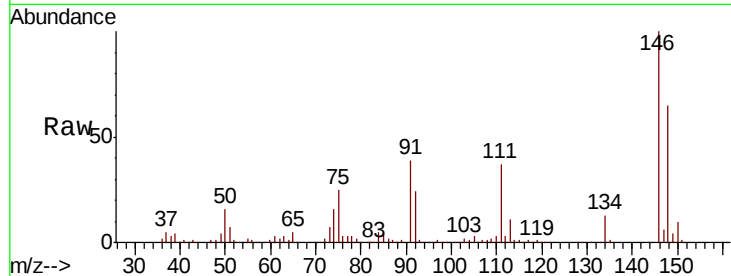




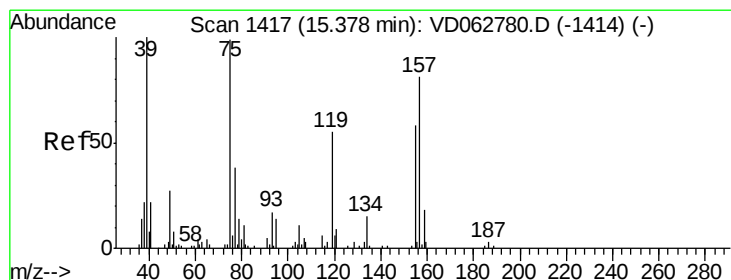
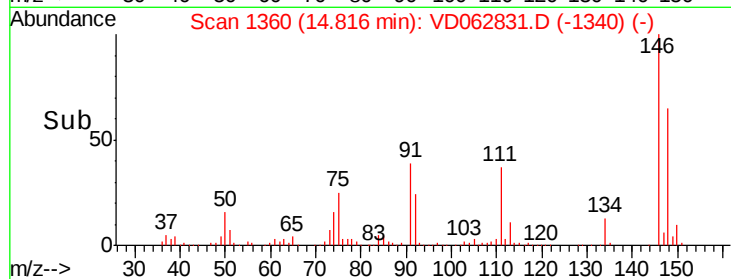
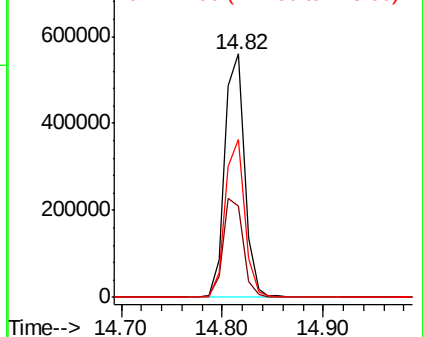
#91
 1,2-Dichlorobenzene
 Concen: 52.627 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 769046
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.1 57.1
 148 64.9 32.3 96.8

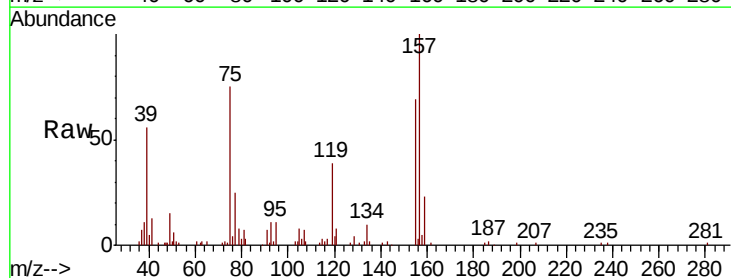


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

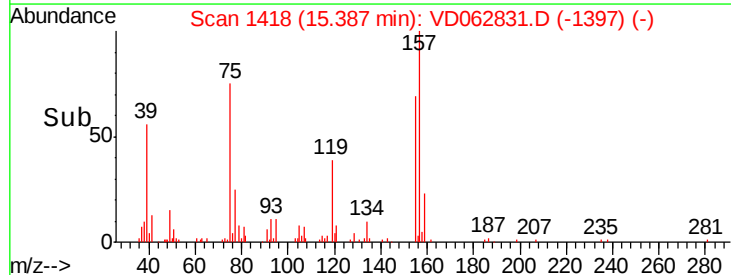
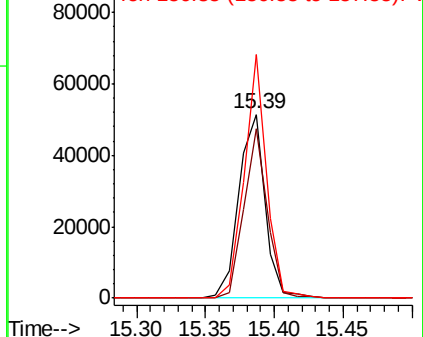


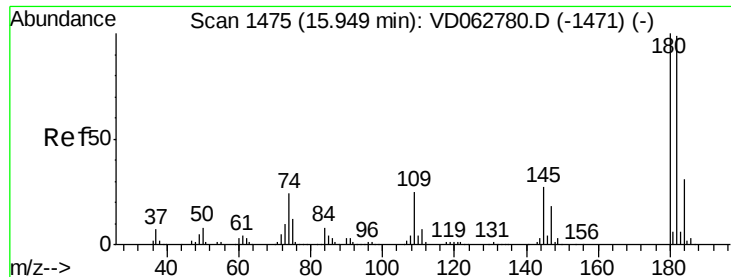
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.800 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Tgt Ion: 75 Resp: 68494
 Ion Ratio Lower Upper
 75 100
 155 92.1 29.3 87.8#
 157 132.6 41.3 123.7#



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

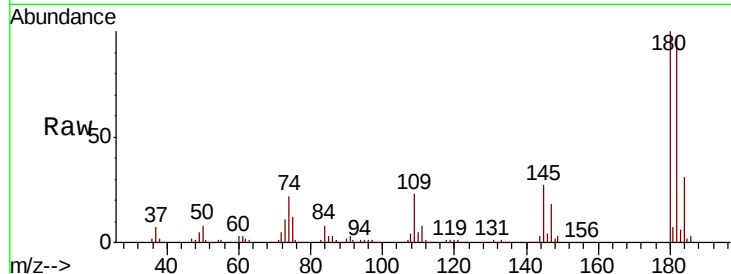




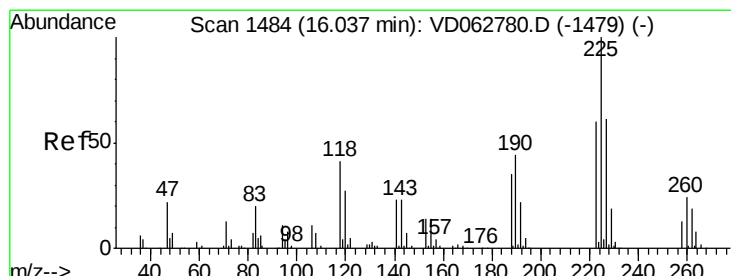
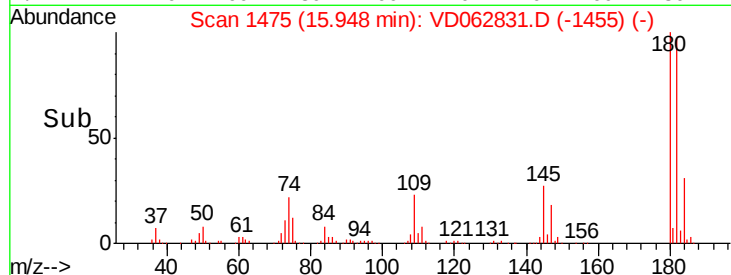
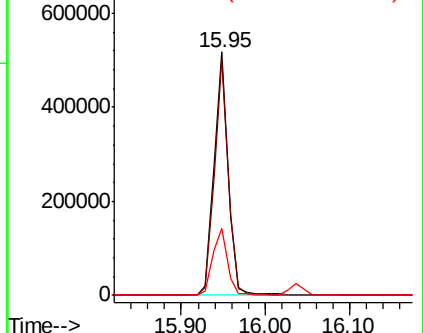
#93
 1,2,4-Trichlorobenzene
 Concen: 53.011 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 605140
 Ion Ratio Lower Upper
 180 100
 182 96.7 49.5 148.5
 145 27.5 13.7 41.0

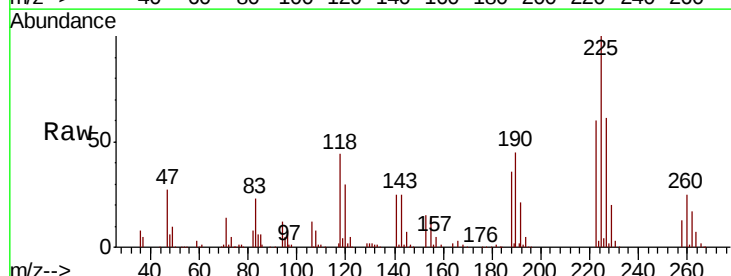


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

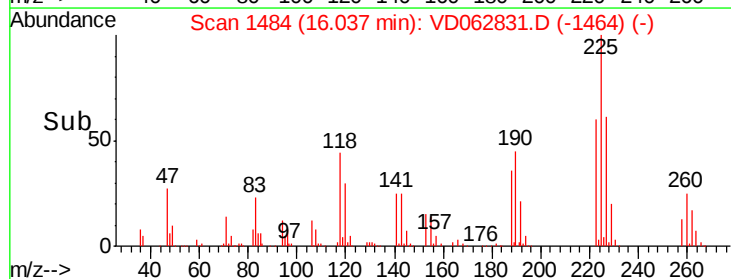
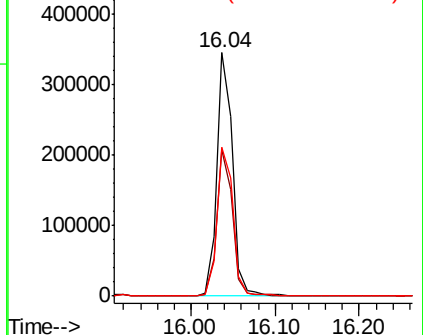


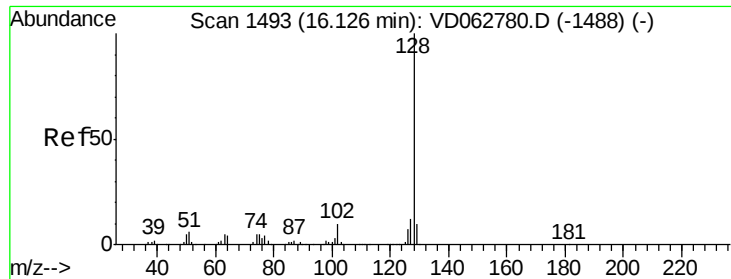
#94
 Hexachlorobutadiene
 Concen: 50.954 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062831.D
 Acq: 24 Jun 2019 10:46

Tgt Ion:225 Resp: 444361
 Ion Ratio Lower Upper
 225 100
 223 60.2 29.8 89.5
 227 61.3 30.6 91.6



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

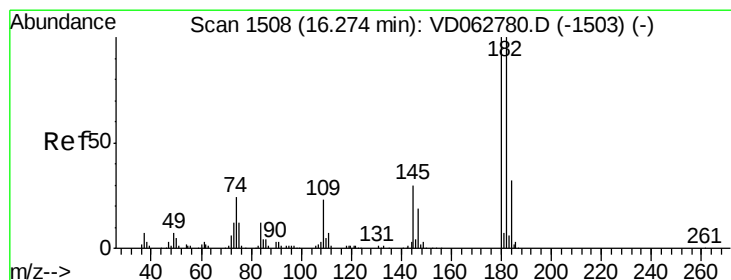
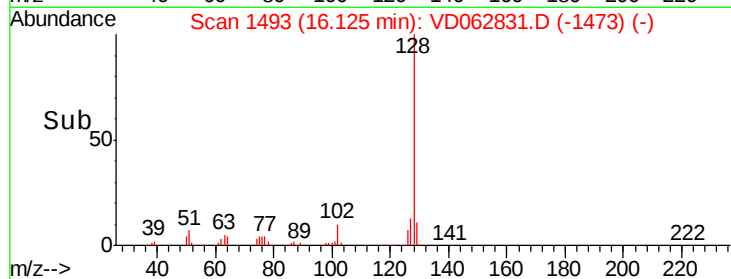
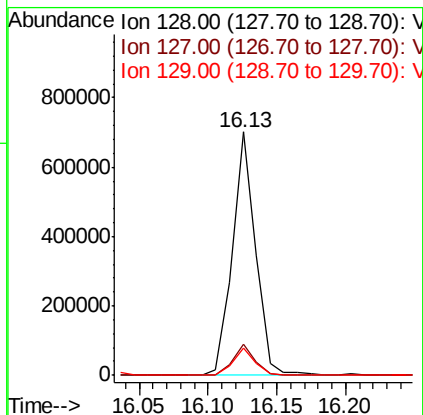
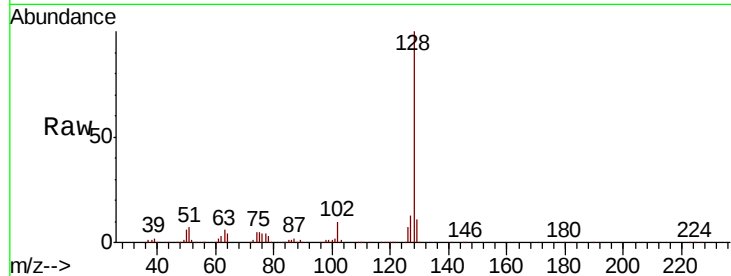




#95
Naphthalene
Concen: 51.138 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 818191
Ion Ratio Lower Upper
128 100
127 12.8 9.7 14.5
129 11.0 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 54.312 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062831.D
Acq: 24 Jun 2019 10:46

Tgt Ion:180 Resp: 476364
Ion Ratio Lower Upper
180 100
182 93.8 49.9 149.6
145 28.9 15.2 45.5

