

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071219\
 Data File : VD063073.D
 Acq On : 12 Jul 2019 16:38
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 12 17:04:33 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	7.05	168	827048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1156037	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	957739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	527871	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	448557	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
35) Dibromofluoromethane	6.94	113	491548	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.42	98	1070706	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	13.56	95	502362	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	421026	39.340	ug/l	100
3) Chloromethane	1.75	50	346219	43.015	ug/l	92
4) Vinyl Chloride	1.85	62	372399	46.664	ug/l	90
5) Bromomethane	2.14	94	151019	40.408	ug/l	91
6) Chloroethane	2.26	64	180756	50.029	ug/l	96
7) Trichlorofluoromethane	2.53	101	787651	48.769	ug/l	98
8) Diethyl Ether	2.88	74	108104	52.681	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.15	101	427950	48.911	ug/l	91
10) Methyl Iodide	3.30	142	604841	52.397	ug/l	98
11) Tert butyl alcohol	4.09	59	125614	306.794	ug/l	96
12) 1,1-Dichloroethene	3.13	96	316478	48.216	ug/l	87
13) Acrolein	3.04	56	96381	230.581	ug/l	94
14) Allyl chloride	3.62	41	546579	56.357	ug/l	91
15) Acrylonitrile	4.20	53	302988	314.931	ug/l	96
16) Acetone	3.23	43	574916	317.237	ug/l	100
17) Carbon Disulfide	3.37	76	902568	43.026	ug/l	96
18) Methyl Acetate	3.64	43	165889	61.127	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	845602	59.511	ug/l	99
20) Methylene Chloride	3.82	84	388096	56.606	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	371470	53.151	ug/l	97
22) Diisopropyl ether	5.14	45	1234340	62.582	ug/l	96
23) Vinyl Acetate	5.07	43	3684033	298.497	ug/l	100
24) 1,1-Dichloroethane	4.99	63	752768	58.619	ug/l	97
25) 2-Butanone	6.08	43	545338	324.339	ug/l	97
26) 2,2-Dichloropropane	6.03	77	749211	55.043	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	412540	55.819	ug/l	94
28) Bromochloromethane	6.44	49	249867	55.246	ug/l	97
29) Tetrahydrofuran	6.47	42	245775	308.946	ug/l	96
30) Chloroform	6.67	83	901827	57.745	ug/l	97
31) Cyclohexane	6.97	56	433758	51.380	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	859372	52.830	ug/l	93
36) 1,1-Dichloropropene	7.15	75	533975	48.794	ug/l	95
37) Ethyl Acetate	6.20	43	239454	52.135	ug/l #	94
38) Carbon Tetrachloride	7.11	117	889679	54.055	ug/l	97

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 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)
39) Methylcyclohexane	8.88	83	477615	49.582	ug/l	94
40) Benzene	7.46	78	1233318	56.144	ug/l	97
41) Methacrylonitrile	6.45	41	327350	56.721	ug/l	95
42) 1,2-Dichloroethane	7.59	62	658733	54.970	ug/l	99
43) Isopropyl Acetate	9.25	43	355733	62.003	ug/l #	95
44) Trichloroethene	8.55	130	471793	54.783	ug/l	92
45) 1,2-Dichloropropane	8.94	63	314176	57.518	ug/l	97
46) Dibromomethane	9.07	93	259337	55.271	ug/l	94
47) Bromodichloromethane	9.39	83	668143	54.829	ug/l	94
48) Methyl methacrylate	9.13	41	233111	57.175	ug/l	96
49) 1,4-Dioxane	9.09	88	46679	1376.142	ug/l	96
51) 4-Methyl-2-Pentanone	10.31	43	1191311	292.869	ug/l	100
52) Toluene	10.52	92	830167	56.220	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	586384	58.791	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	636846	58.744	ug/l	94
55) 1,1,2-Trichloroethane	11.20	97	274853	54.178	ug/l	97
56) Ethyl methacrylate	11.05	69	335050	61.799	ug/l	92
57) 1,3-Dichloropropane	11.42	76	438295	56.425	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	667136	239.687	ug/l	96
59) 2-Hexanone	11.54	43	901349	311.133	ug/l	96
60) Dibromochloromethane	11.69	129	546499	57.834	ug/l	99
61) 1,2-Dibromoethane	11.81	107	336072	56.090	ug/l	95
64) Tetrachloroethene	11.27	164	397173	50.387	ug/l	94
65) Chlorobenzene	12.41	112	1068922	60.138	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	470995	56.662	ug/l	94
67) Ethyl Benzene	12.53	91	1762525	55.230	ug/l	100
68) m/p-Xylenes	12.68	106	1215484	109.358	ug/l	93
69) o-Xylene	13.06	106	595128	58.572	ug/l	94
70) Styrene	13.08	104	1008990	56.537	ug/l	94
71) Bromoform	13.24	173	333755	58.603	ug/l #	93
73) Isopropylbenzene	13.40	105	1751966	51.763	ug/l	98
74) N-amyl acetate	13.27	43	495090	60.234	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	13.70	83	334026	60.571	ug/l	90
76) 1,2,3-Trichloropropane	13.74	75	365754	60.020	ug/l	93
77) Bromobenzene	13.68	156	504546	55.423	ug/l	90
78) n-propylbenzene	13.78	91	2255780	57.262	ug/l	97
79) 2-Chlorotoluene	13.85	91	1190971	52.902	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	1530268	53.827	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	96591	60.478	ug/l	96
82) 4-Chlorotoluene	13.96	91	1423171	52.509	ug/l	96
83) tert-Butylbenzene	14.19	119	1790026	56.487	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1594561	54.723	ug/l	99
85) sec-Butylbenzene	14.37	105	1875460	54.453	ug/l	97
86) p-Isopropyltoluene	14.50	119	1742523	55.303	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	896604	54.943	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	911373	55.603	ug/l	97
89) n-Butylbenzene	14.80	91	1621003	54.966	ug/l	95
90) Hexachloroethane	15.01	117	449701	53.083	ug/l	83
91) 1,2-Dichlorobenzene	14.81	146	806329	57.751	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	63189	58.707	ug/l	85

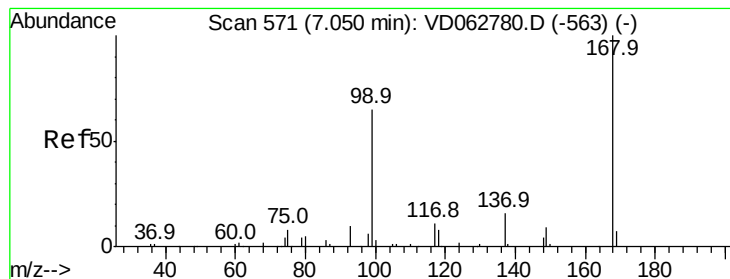
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071219\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	616950	56.566	ug/l	94
94) Hexachlorobutadiene	16.04	225	457075	54.856	ug/l	99
95) Naphthalene	16.13	128	938661	61.403	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	515683	61.537	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

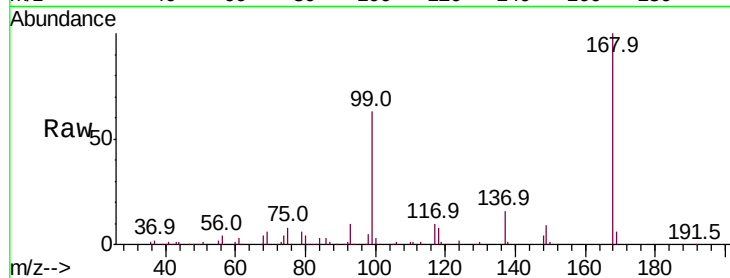
VSTDCCC050EC

Tot Ion:168 Resp: 827048

Ion Ratio Lower Upper

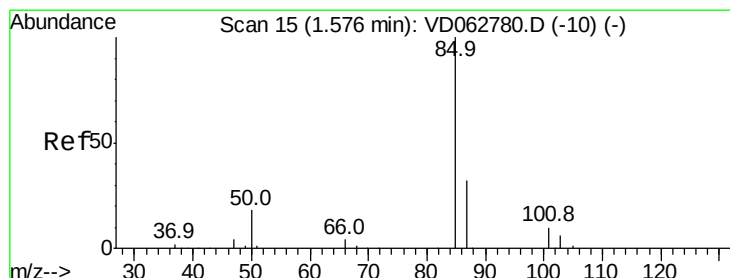
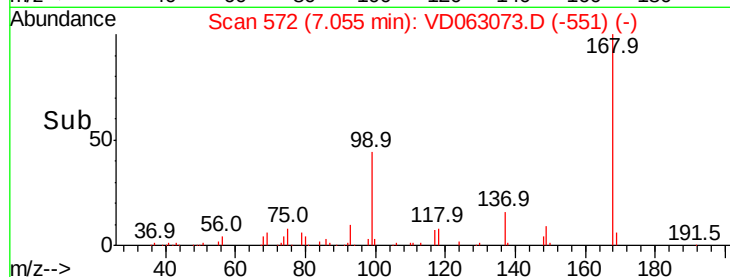
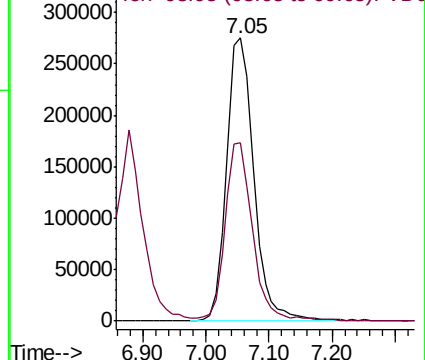
168 100

99 63.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 39.340 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063073.D

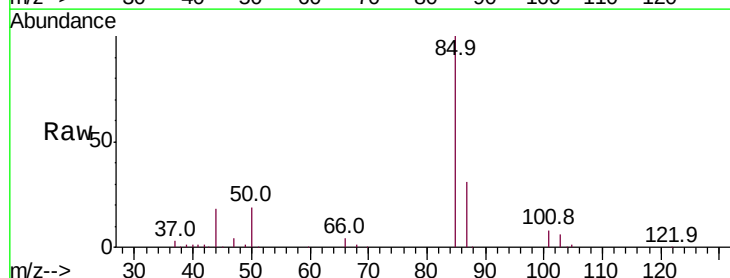
Acq: 12 Jul 2019 16:38

Tgt Ion: 85 Resp: 421026

Ion Ratio Lower Upper

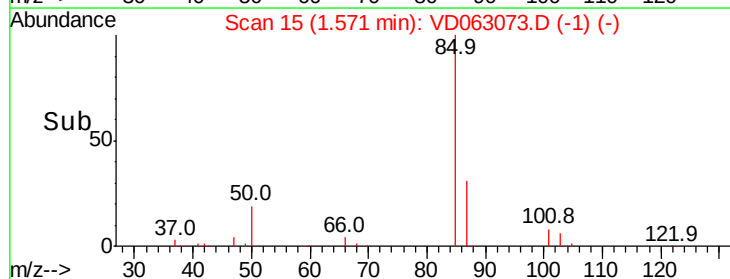
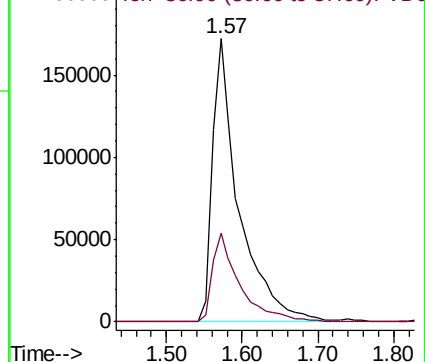
85 100

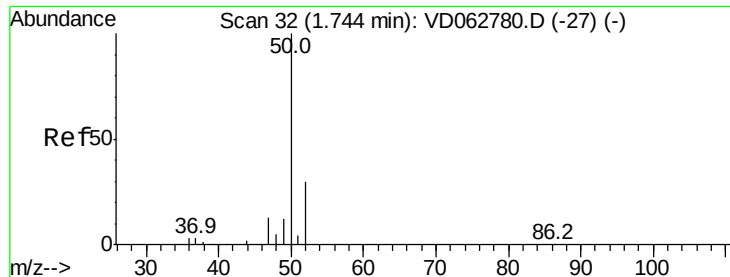
87 31.5 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.015 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

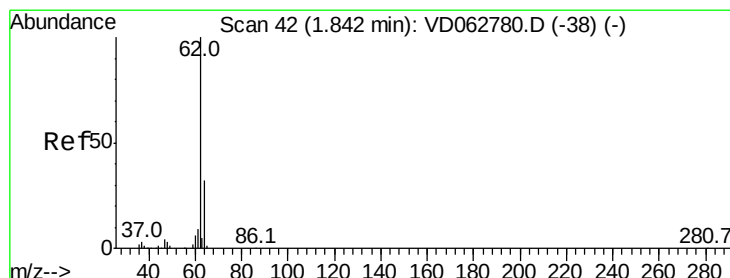
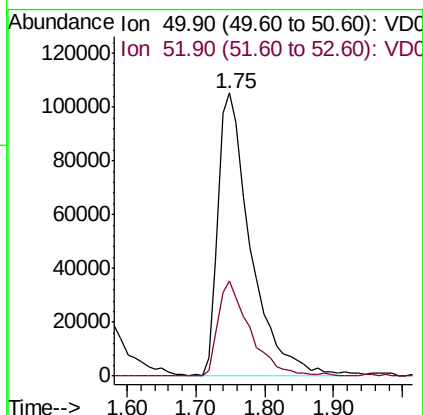
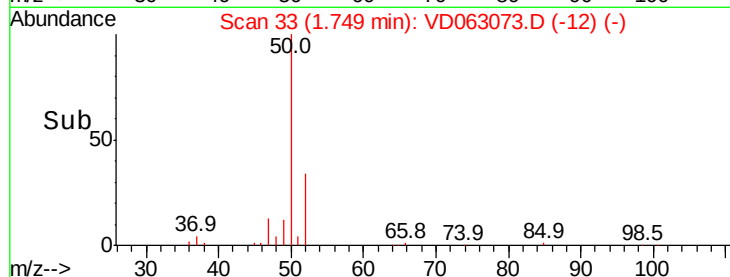
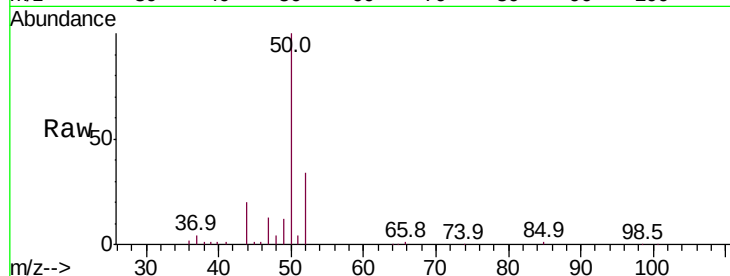
VSTDCCC050EC

Tot Ion: 50 Resp: 346219

Ion Ratio Lower Upper

50 100

52 33.8 23.6 35.4



#4

Vinyl Chloride

Concen: 46.664 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063073.D

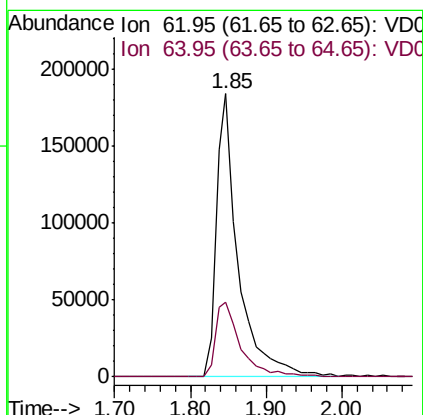
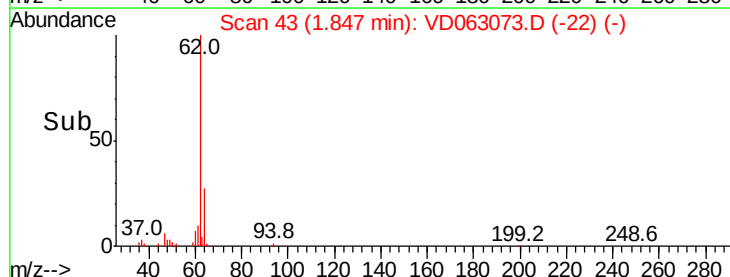
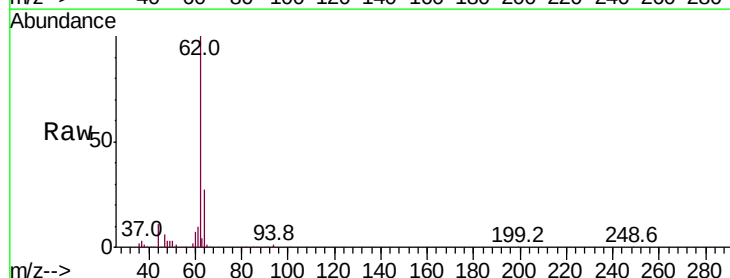
Acq: 12 Jul 2019 16:38

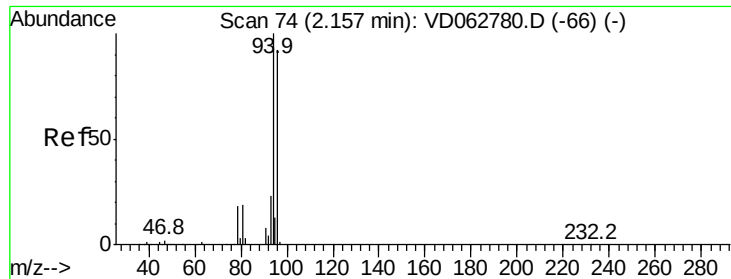
Tgt Ion: 62 Resp: 372399

Ion Ratio Lower Upper

62 100

64 26.5 25.6 38.4





#5

Bromomethane

Concen: 40.408 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

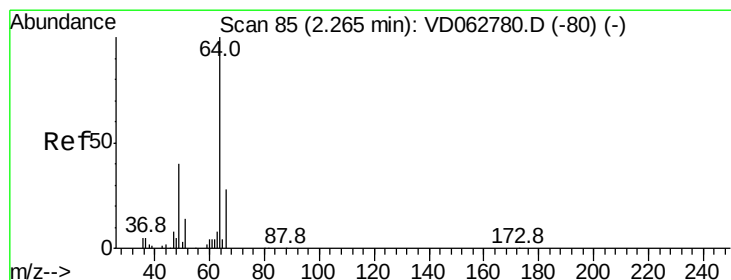
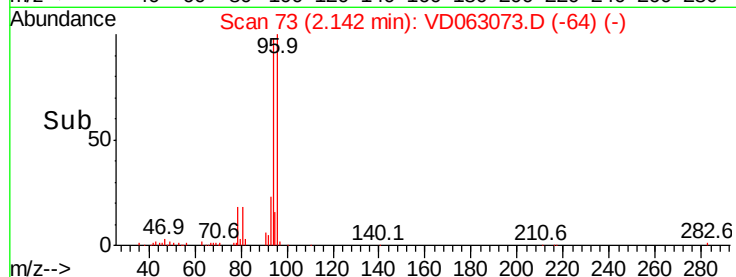
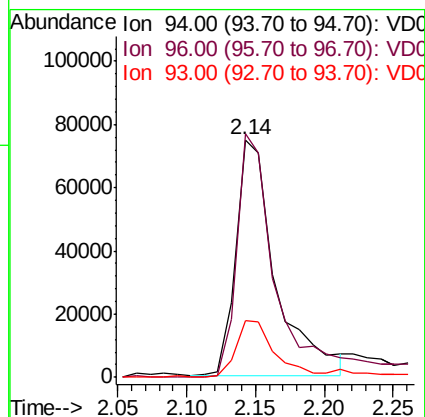
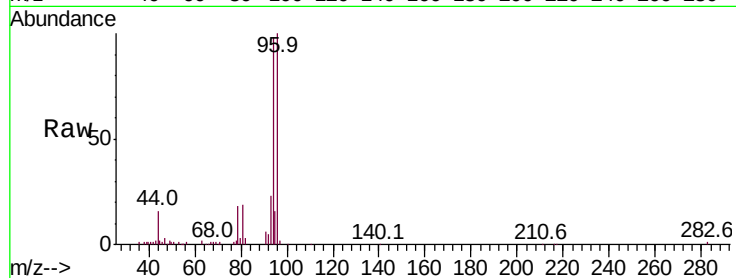
Tot Ion: 94 Resp: 151019

Ion Ratio Lower Upper

94 100

96 102.4 73.4 110.2

93 24.0 18.2 27.4



#6

Chloroethane

Concen: 50.029 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063073.D

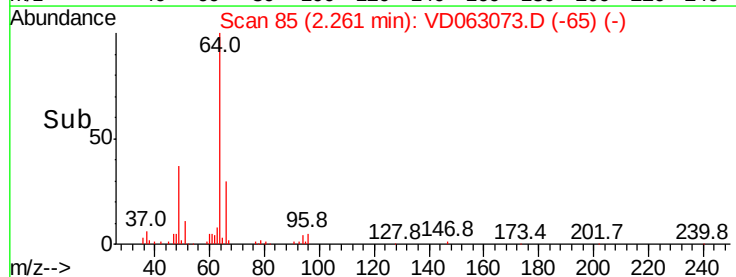
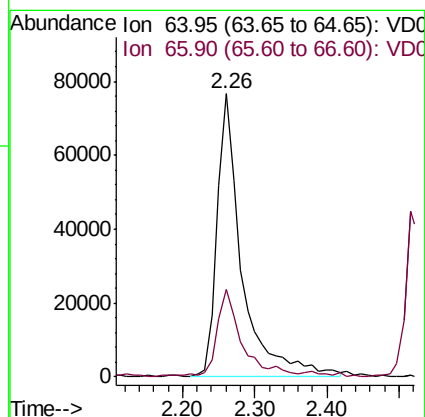
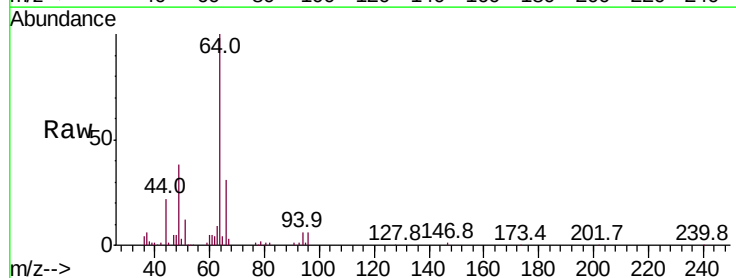
Acq: 12 Jul 2019 16:38

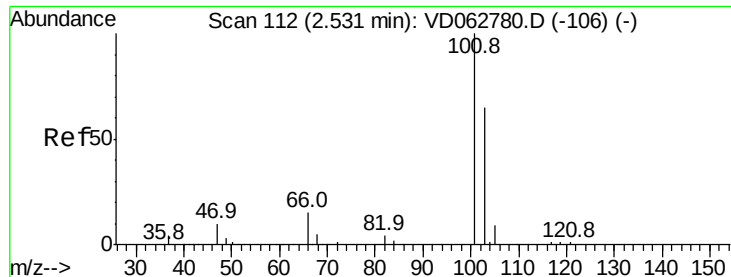
Tgt Ion: 64 Resp: 180756

Ion Ratio Lower Upper

64 100

66 31.0 23.0 34.4



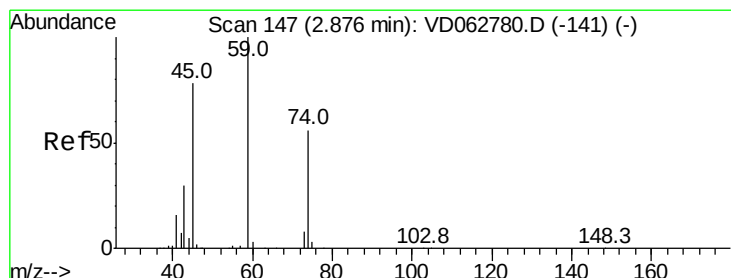
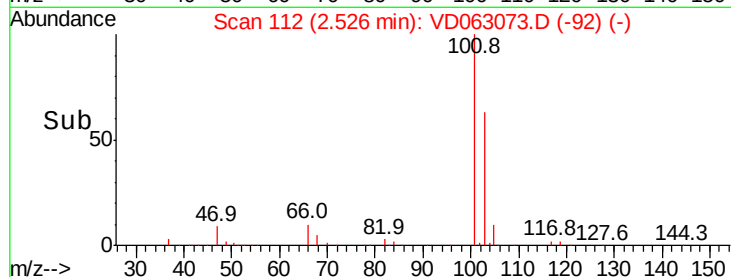
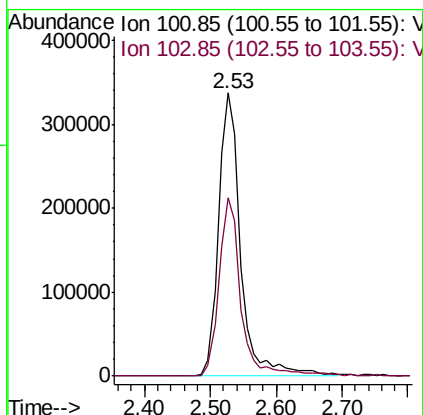
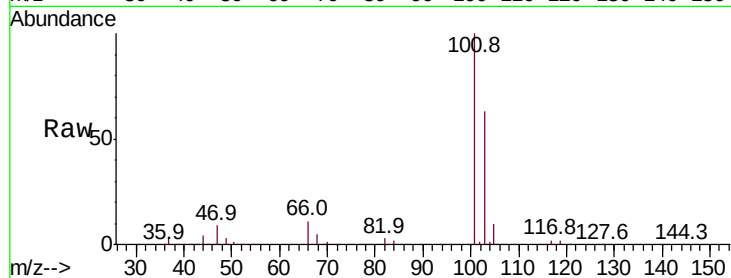


#7

Trichlorofluoromethane
Concen: 48.769 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

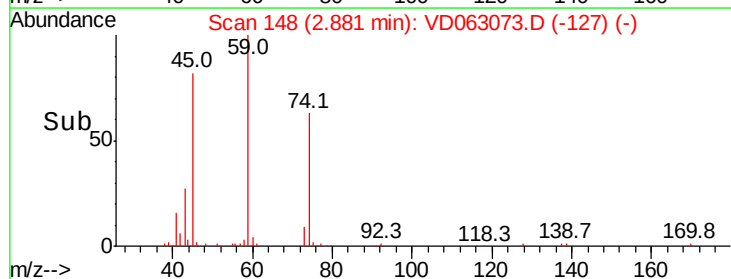
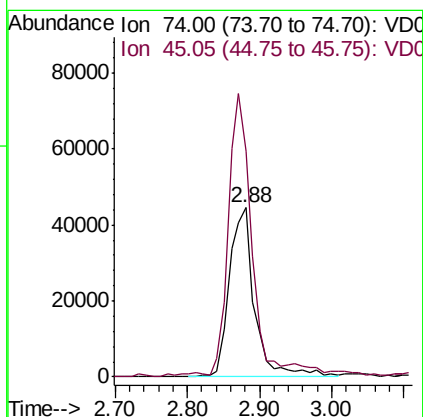
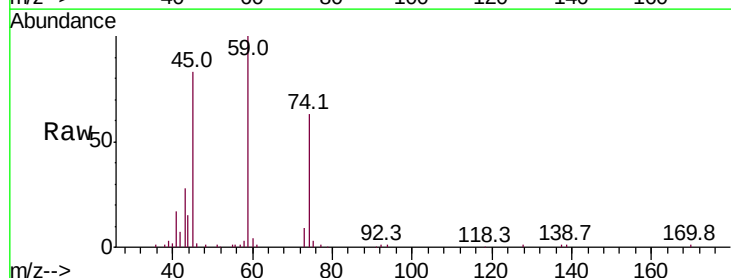
Tot Ion:101 Resp: 787651
Ion Ratio Lower Upper
101 100
103 63.0 51.8 77.8

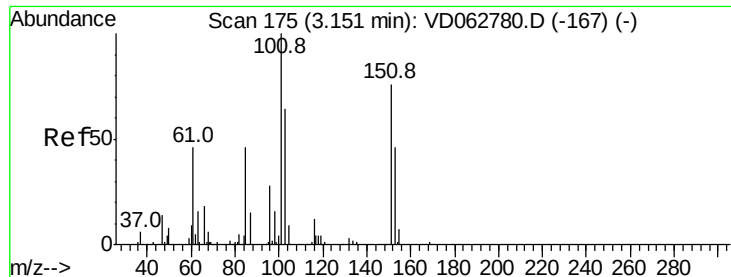


#8

Diethyl Ether
Concen: 52.681 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.01 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

Tgt Ion: 74 Resp: 108104
Ion Ratio Lower Upper
74 100
45 133.2 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.911 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

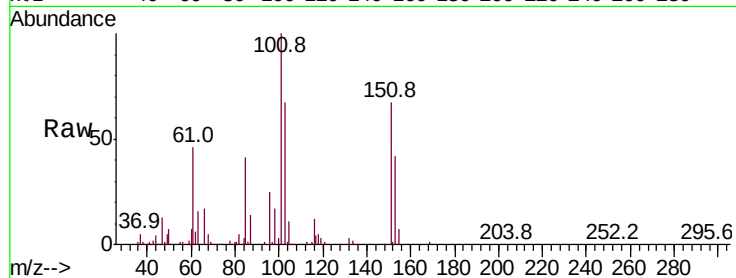
Tot Ion:101 Resp: 427950

Ion Ratio Lower Upper

101 100

85 40.9 37.0 55.4

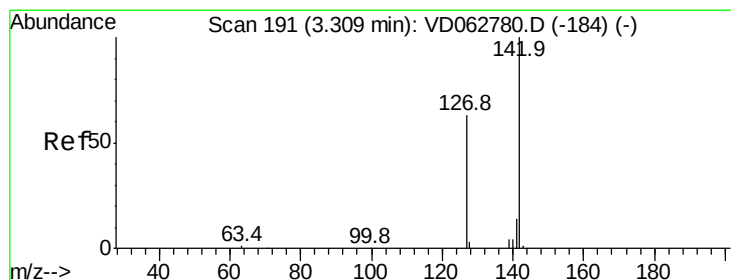
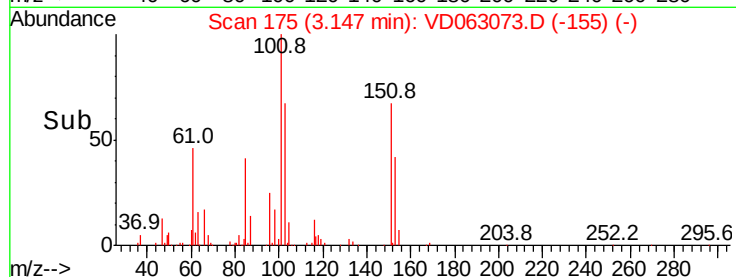
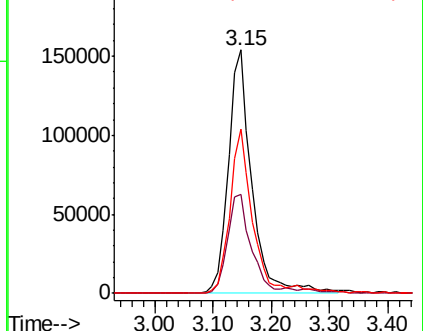
151 67.5 60.5 90.7



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: 52.397 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

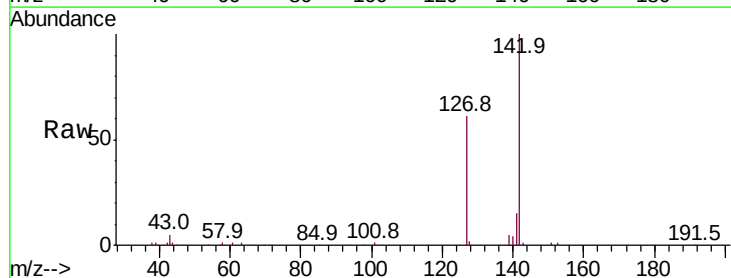
Tgt Ion:142 Resp: 604841

Ion Ratio Lower Upper

142 100

127 61.4 50.1 75.1

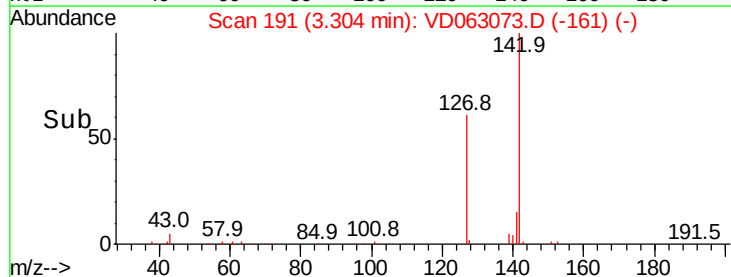
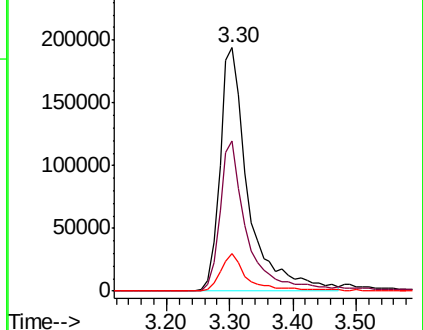
141 15.2 11.0 16.4

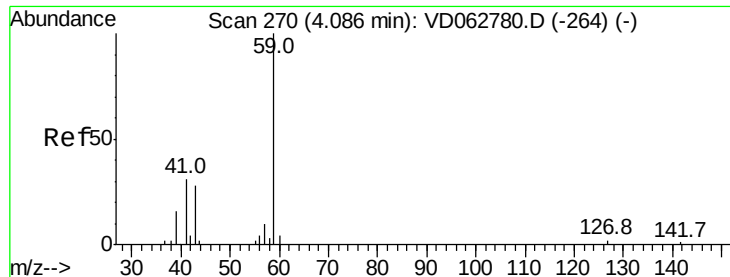


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



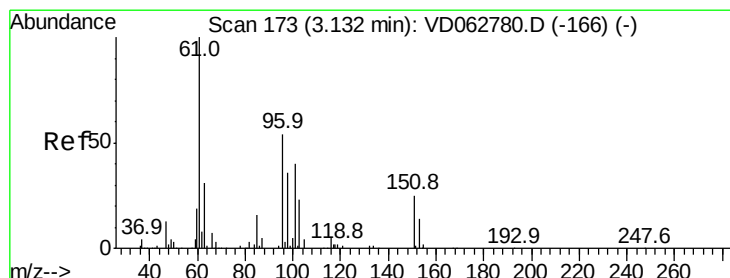
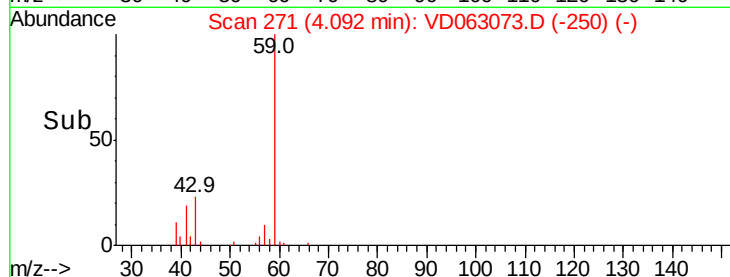
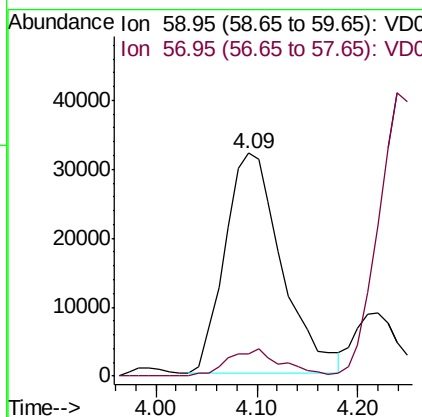
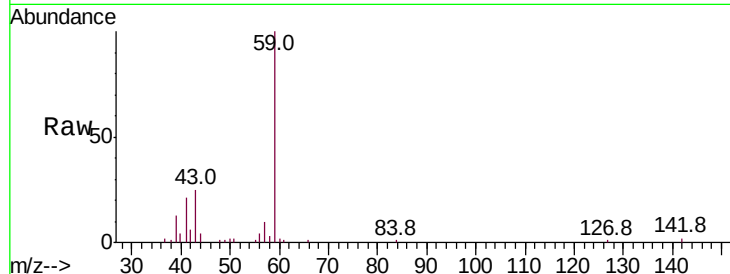


#11

Tert butyl alcohol
Concen: 306.794 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

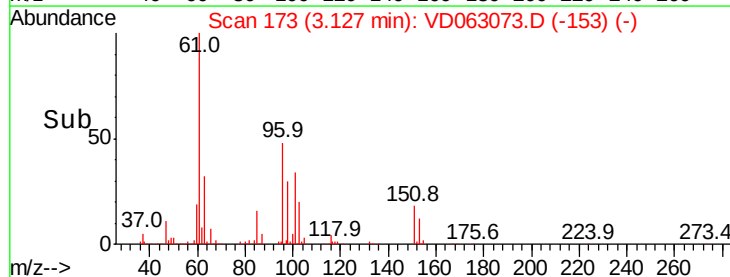
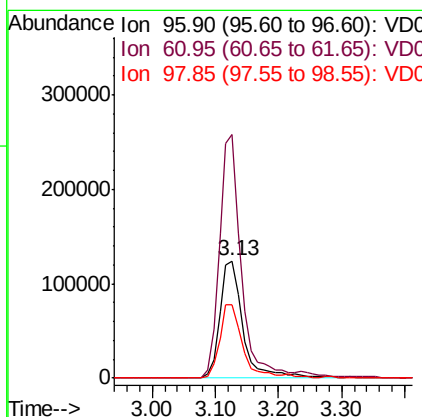
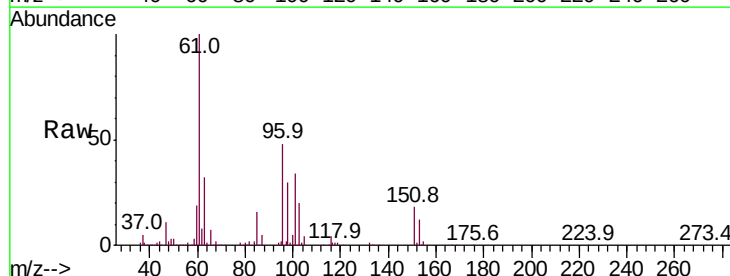
Tot Ion: 59 Resp: 125614
Ion Ratio Lower Upper
59 100
57 9.7 6.6 10.0

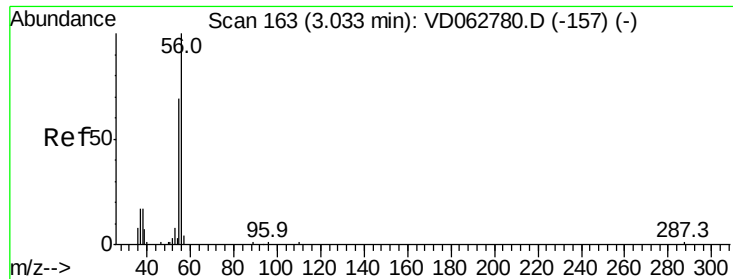


#12

1,1-Dichloroethene
Concen: 48.216 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

Tgt Ion: 96 Resp: 316478
Ion Ratio Lower Upper
96 100
61 207.6 147.1 220.7
98 63.1 52.6 79.0





#13

Acrolein

Concen: 230.581 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

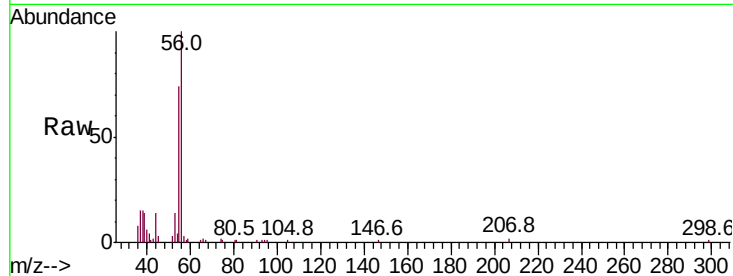
VSTDCCC050EC

Tot Ion: 56 Resp: 96381

Ion Ratio Lower Upper

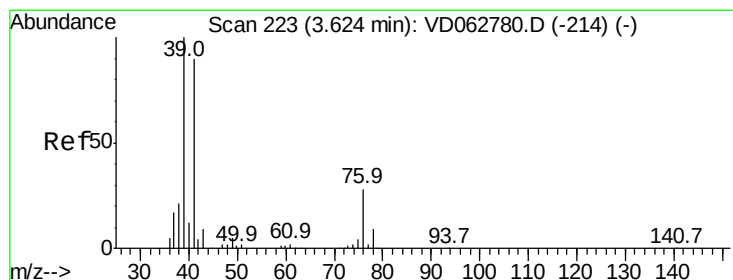
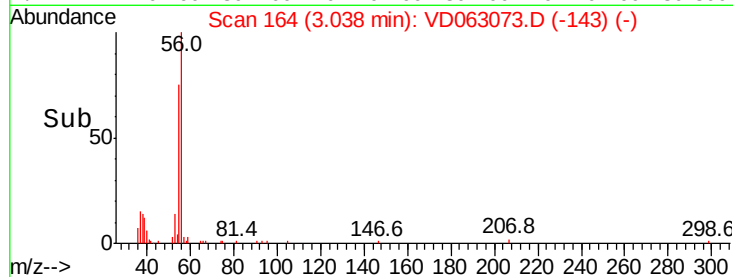
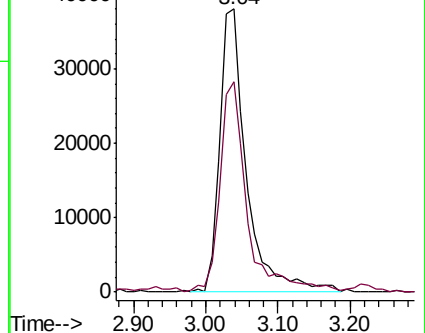
56 100

55 74.2 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 56.357 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

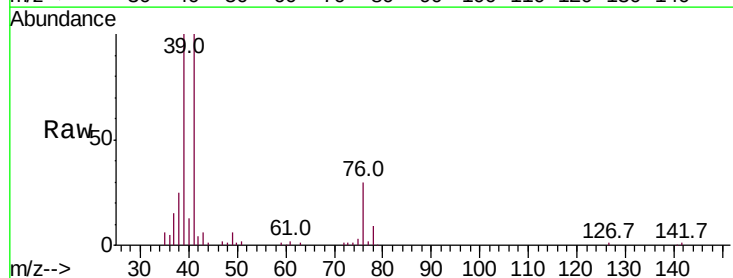
Tgt Ion: 41 Resp: 546579

Ion Ratio Lower Upper

41 100

39 100.3 88.8 133.2

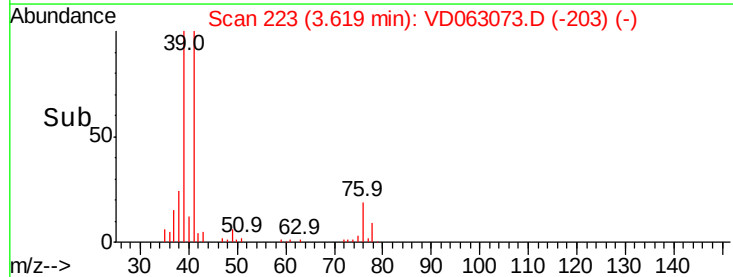
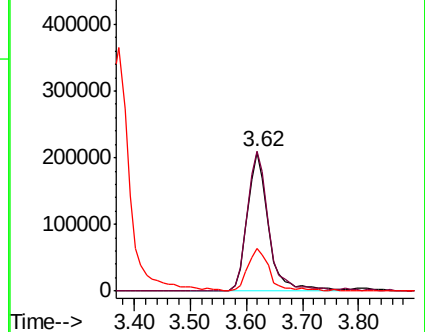
76 30.3 26.7 40.1

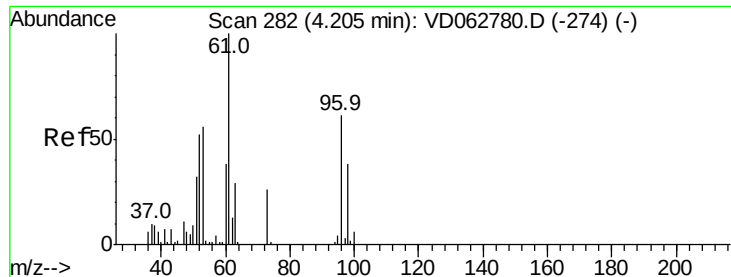


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 314.931 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

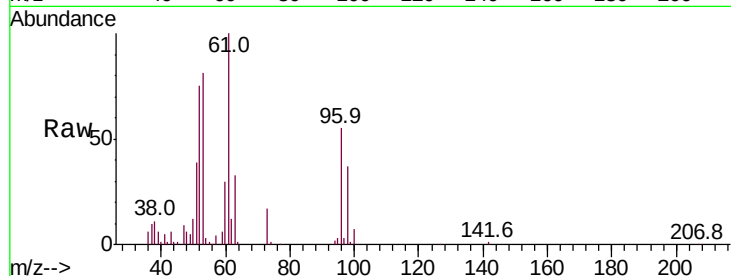
Tot Ion: 53 Resp: 302988

Ion Ratio Lower Upper

53 100

52 91.8 73.3 109.9

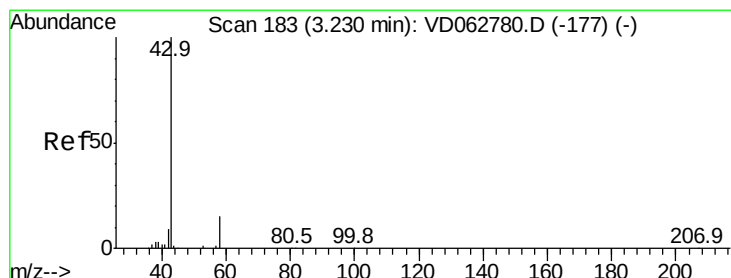
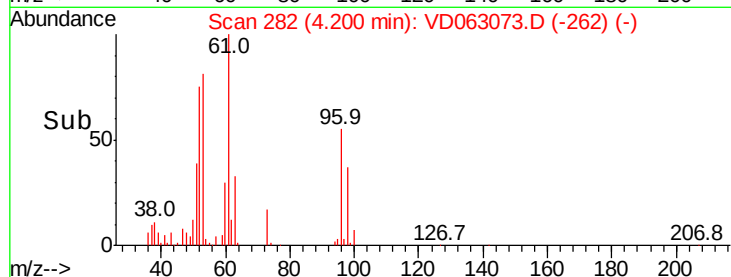
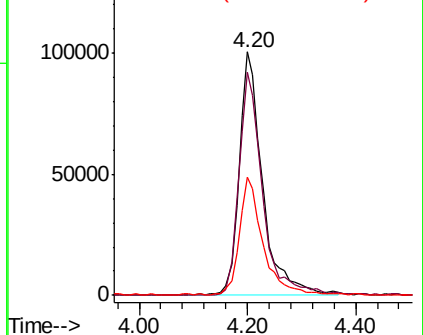
51 48.4 44.8 67.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 317.237 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063073.D

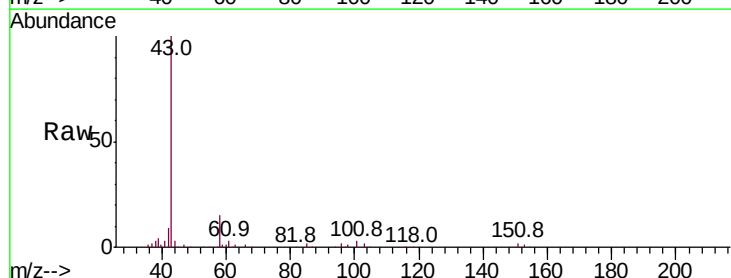
Acq: 12 Jul 2019 16:38

Tgt Ion: 43 Resp: 574916

Ion Ratio Lower Upper

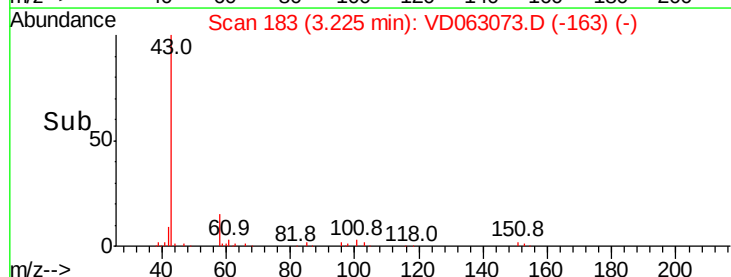
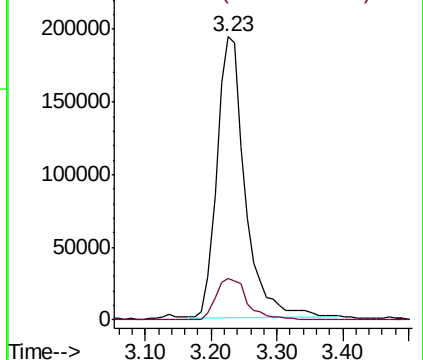
43 100

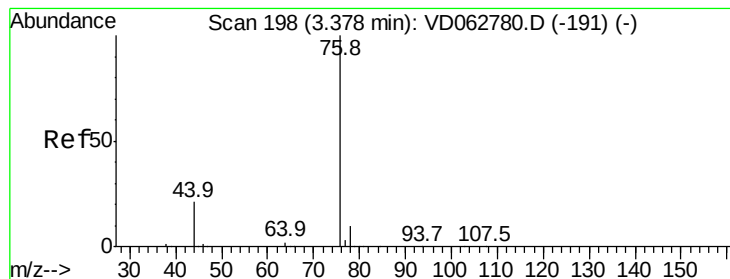
58 14.8 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 43.026 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

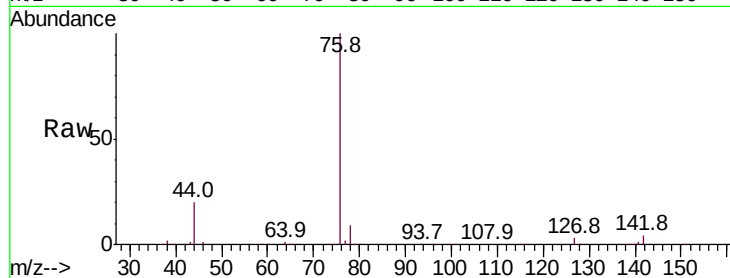
VSTDCCC050EC

Tot Ion: 76 Resp: 902568

Ion Ratio Lower Upper

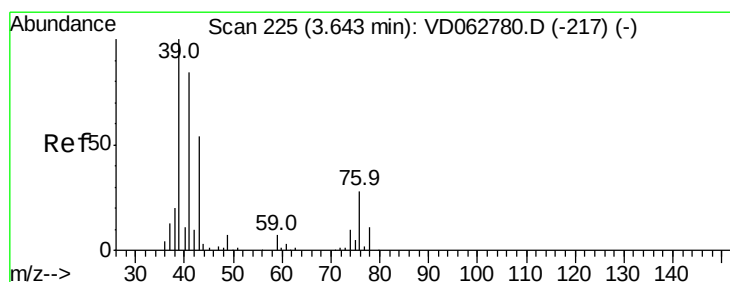
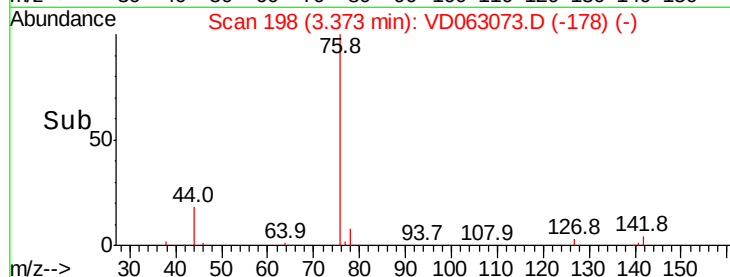
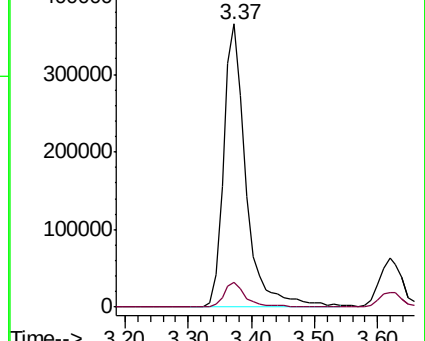
76 100

78 8.6 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: 61.127 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD063073.D

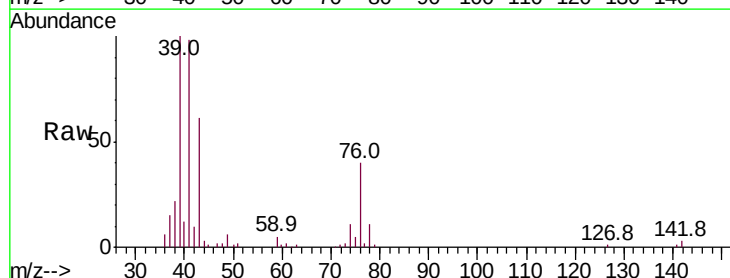
Acq: 12 Jul 2019 16:38

Tgt Ion: 43 Resp: 165889

Ion Ratio Lower Upper

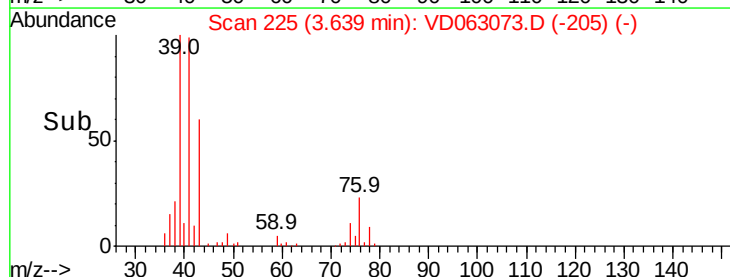
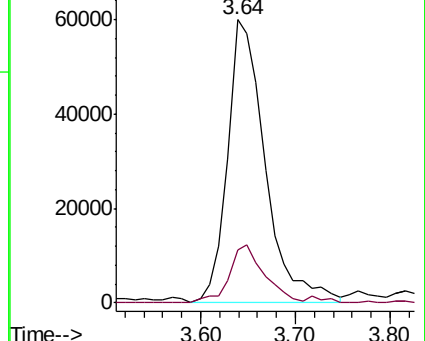
43 100

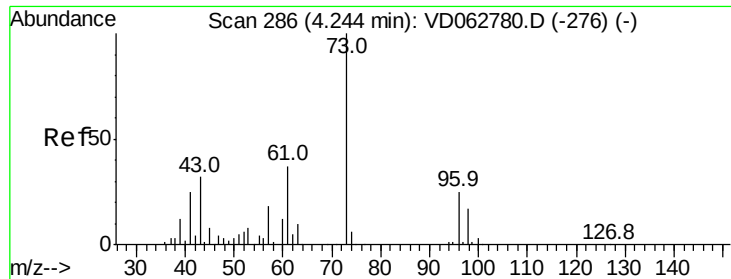
74 18.6 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

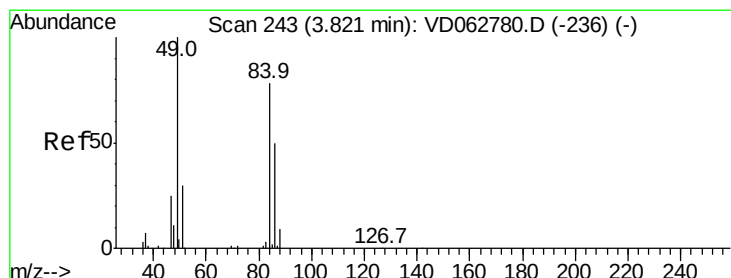
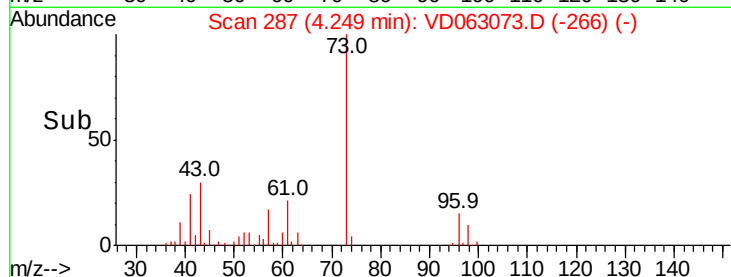
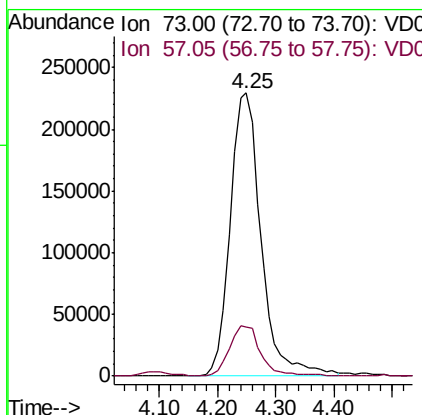
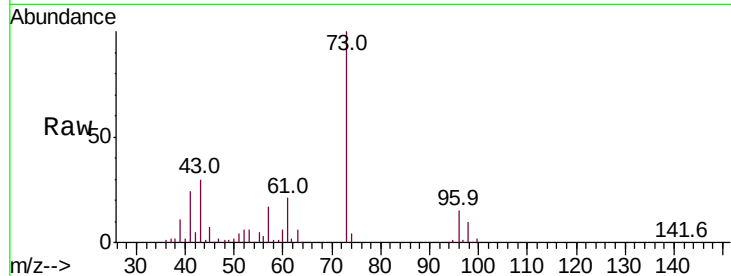




#19
Methyl tert-butyl Ether
Concen: 59.511 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

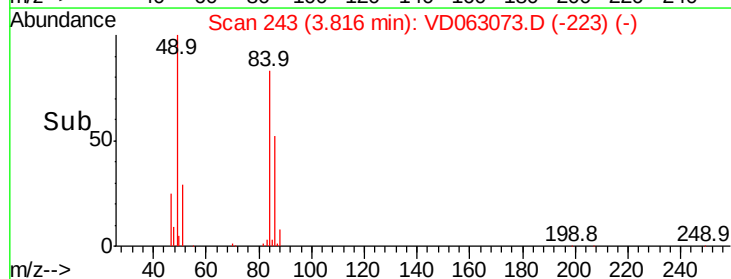
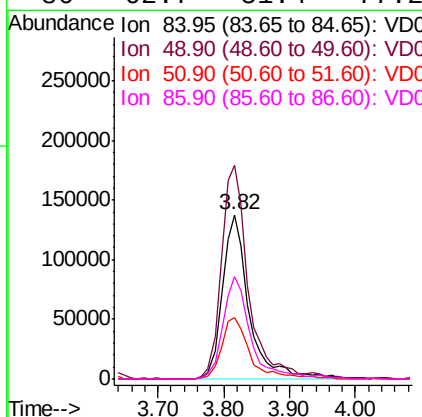
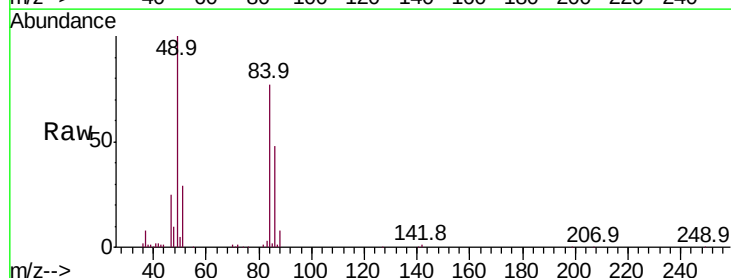
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

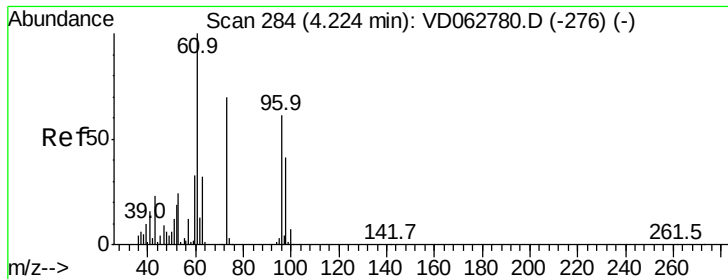
Tot Ion: 73 Resp: 845602
Ion Ratio Lower Upper
73 100
57 17.4 14.3 21.5



#20
Methylene Chloride
Concen: 56.606 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

Tgt Ion: 84 Resp: 388096
Ion Ratio Lower Upper
84 100
49 130.1 102.9 154.3
51 37.8 31.2 46.8
86 62.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 53.151 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

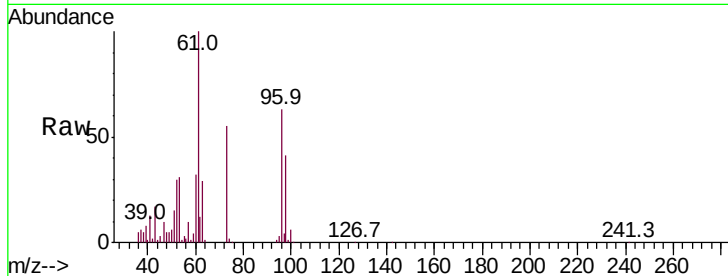
Tot Ion: 96 Resp: 371470

Ion Ratio Lower Upper

96 100

61 159.6 131.0 196.4

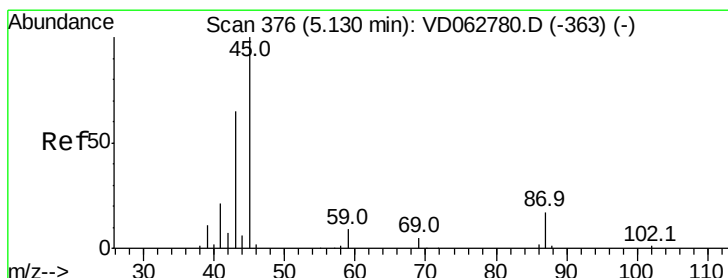
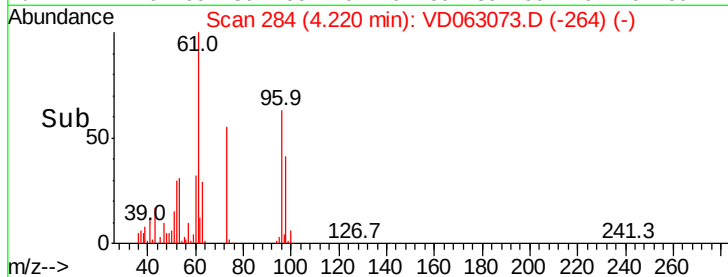
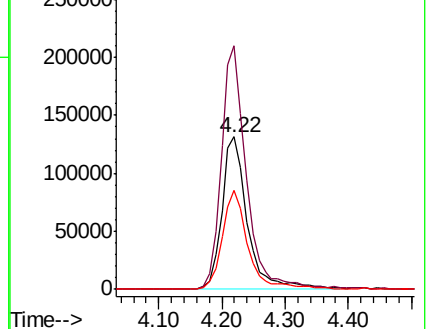
98 64.7 53.2 79.8



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: 62.582 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Tgt Ion: 45 Resp: 1234340

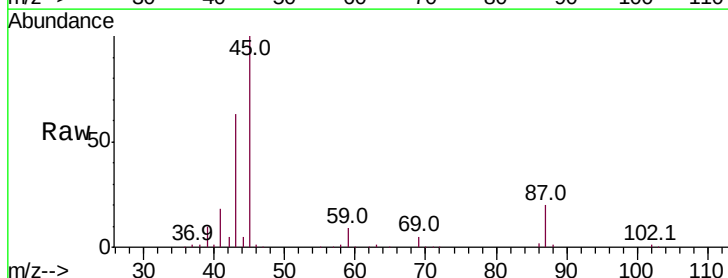
Ion Ratio Lower Upper

45 100

43 63.0 53.4 80.0

87 20.2 14.6 22.0

59 9.4 7.8 11.8

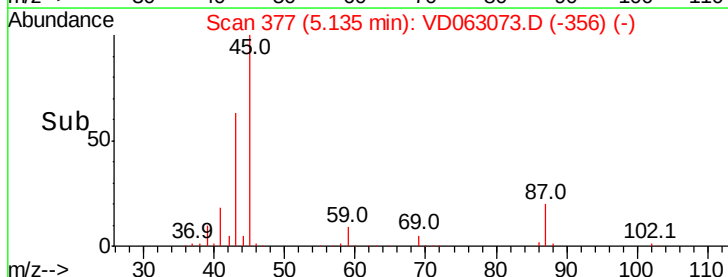
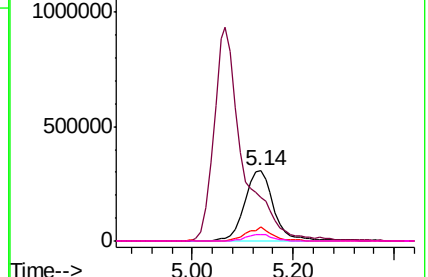


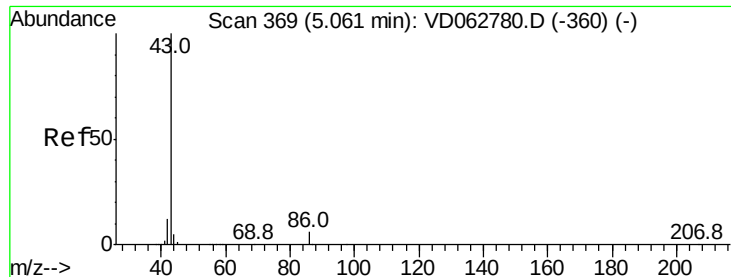
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 298.497 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

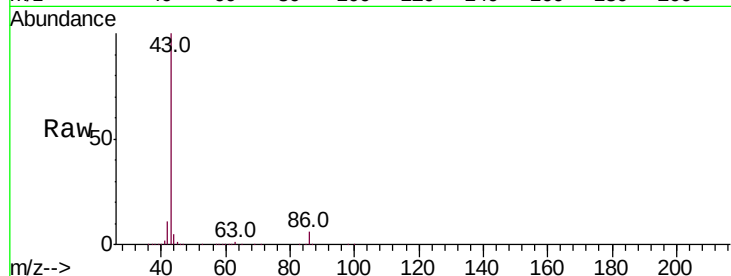
VSTDCCC050EC

Tot Ion: 43 Resp: 3684033

Ion Ratio Lower Upper

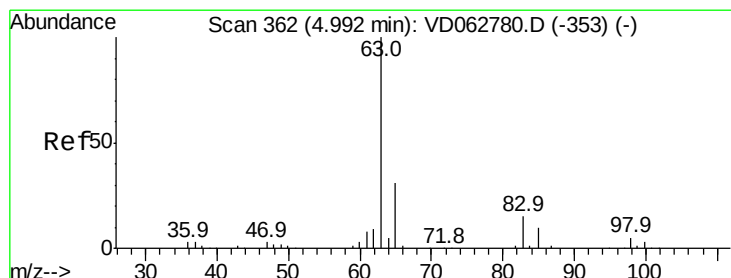
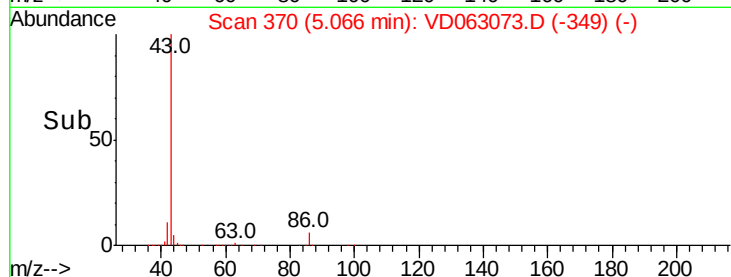
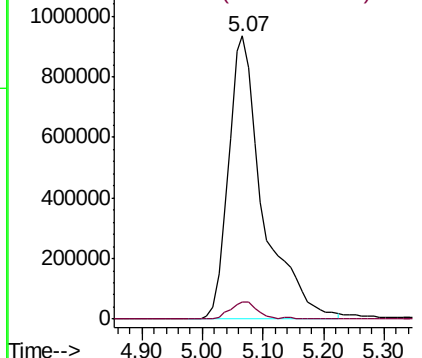
43 100

86 6.0 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: 58.619 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

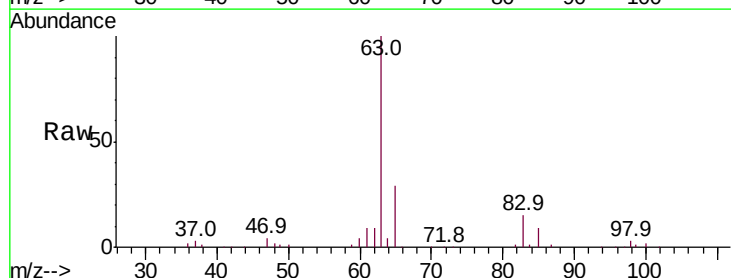
Tgt Ion: 63 Resp: 752768

Ion Ratio Lower Upper

63 100

98 3.9 2.3 6.9

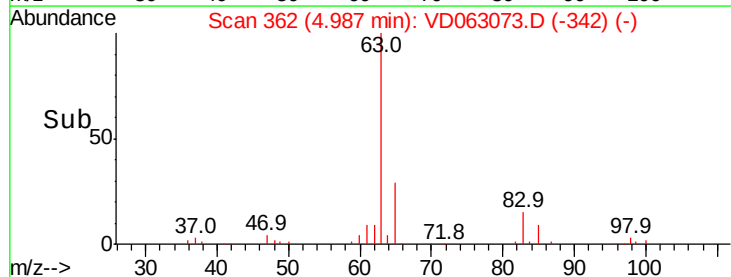
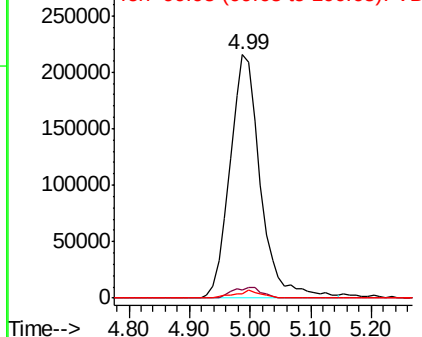
100 1.9 1.7 5.1

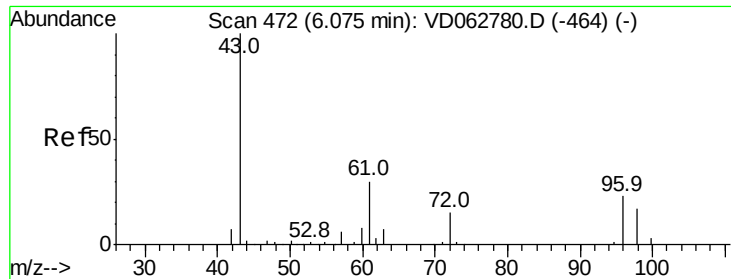


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 324.339 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

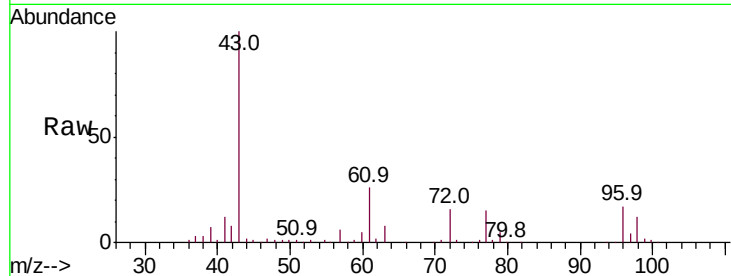
VSTDCCC050EC

Tot Ion: 43 Resp: 545338

Ion Ratio Lower Upper

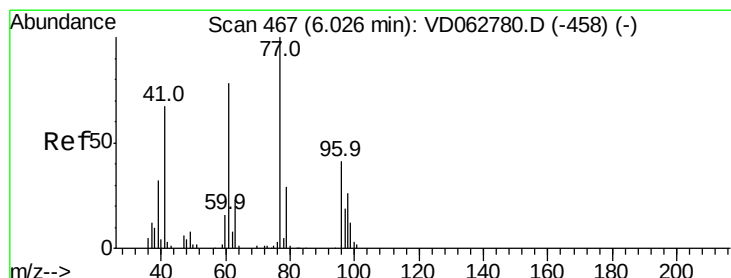
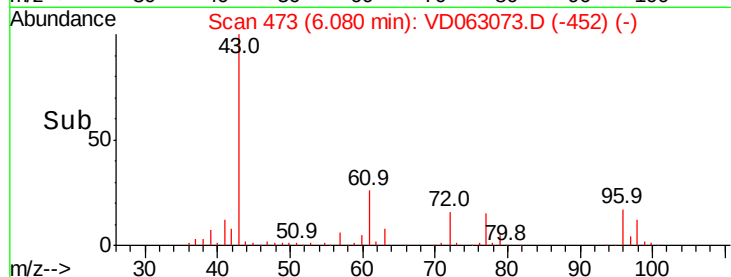
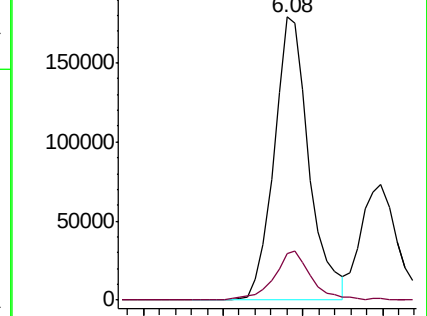
43 100

72 16.3 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: 55.043 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD063073.D

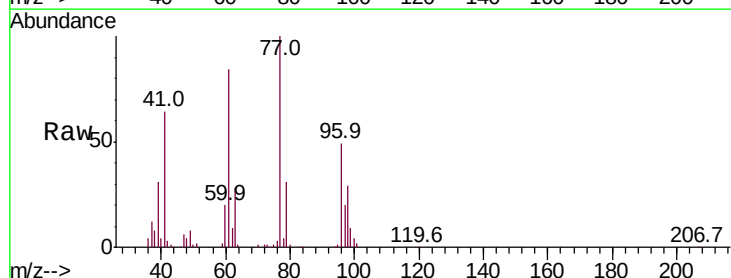
Acq: 12 Jul 2019 16:38

Tgt Ion: 77 Resp: 749211

Ion Ratio Lower Upper

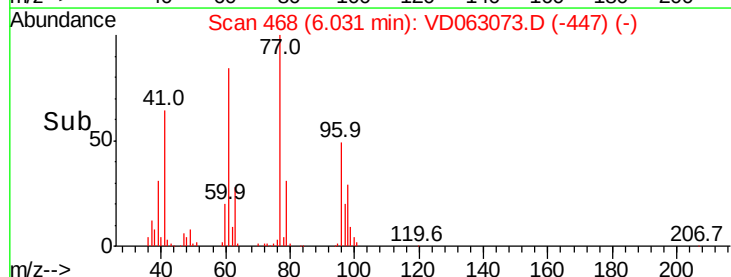
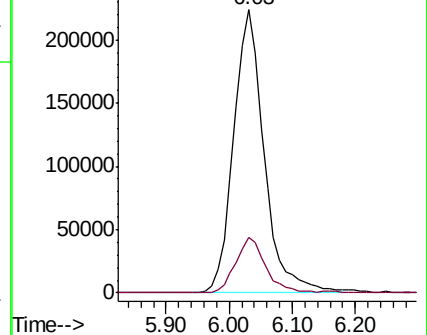
77 100

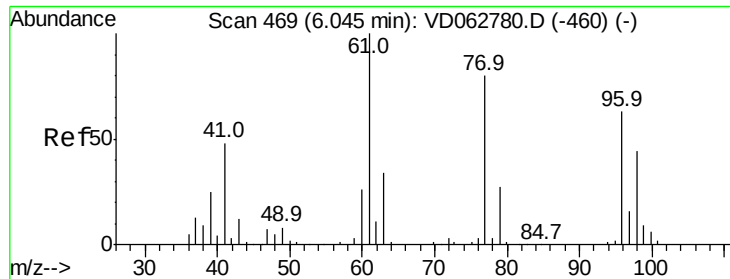
97 19.6 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



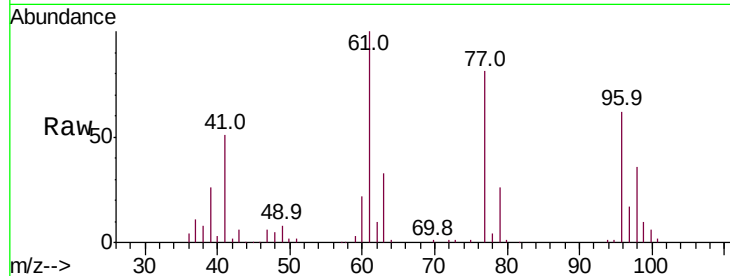


#27

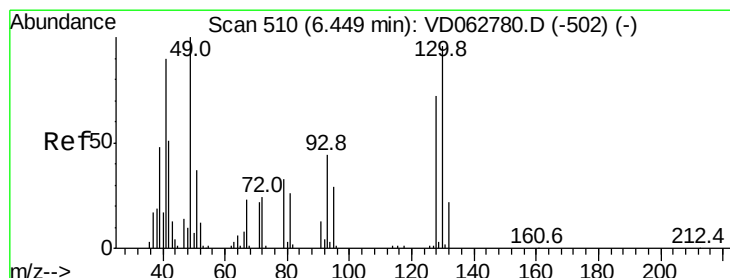
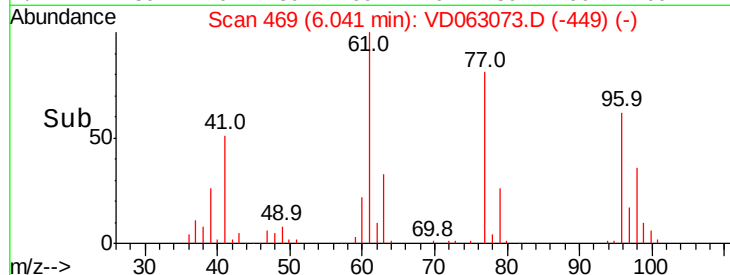
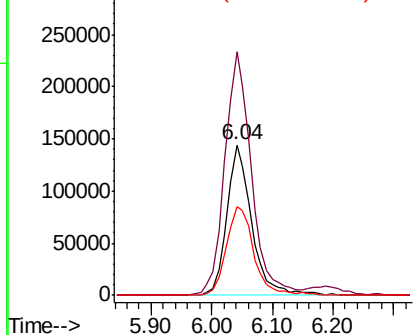
cis-1,2-Dichloroethene
 Concen: 55.819 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 412540
 Ion Ratio Lower Upper
 96 100
 61 161.9 0.0 316.0
 98 59.0 0.0 138.4



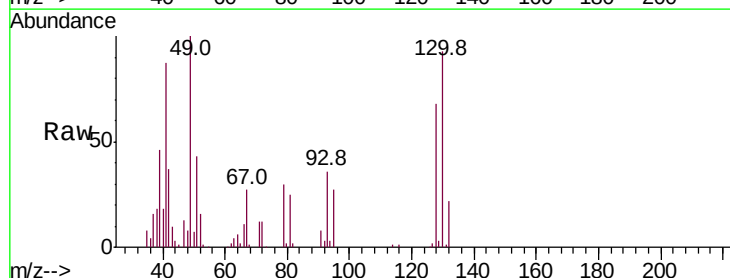
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



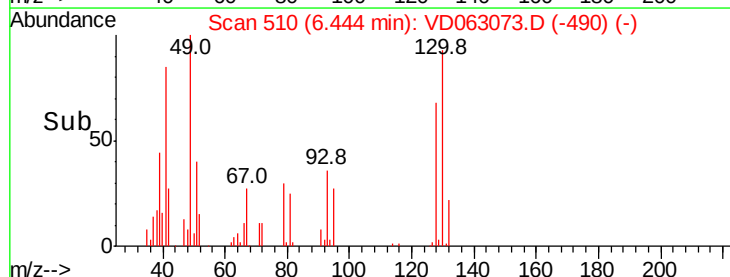
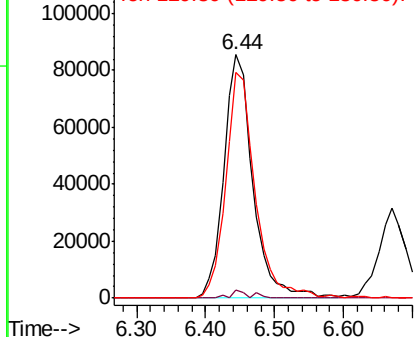
#28

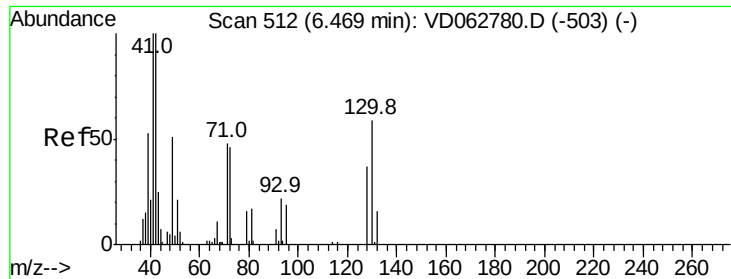
Bromochloromethane
 Concen: 55.246 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

Tgt Ion: 49 Resp: 249867
 Ion Ratio Lower Upper
 49 100
 129 3.1 0.0 5.6
 130 92.9 76.6 114.8



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





#29

Tetrahydrofuran

Concen: 308.946 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

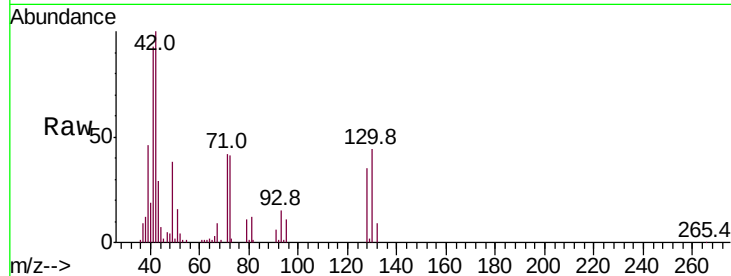
Tot Ion: 42 Resp: 245775

Ion Ratio Lower Upper

42 100

72 42.0 35.0 52.6

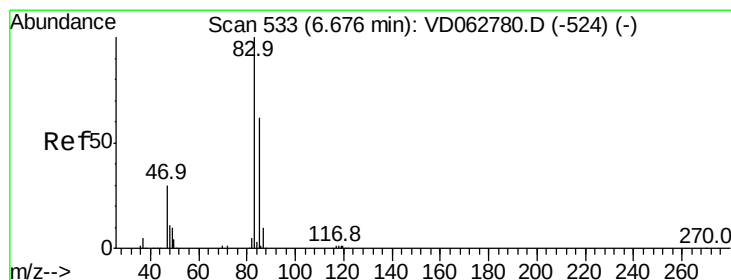
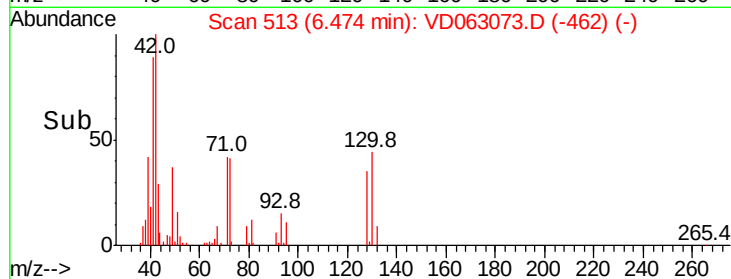
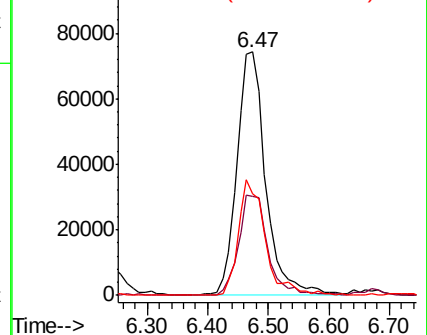
71 44.5 33.3 49.9



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: 57.745 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD063073.D

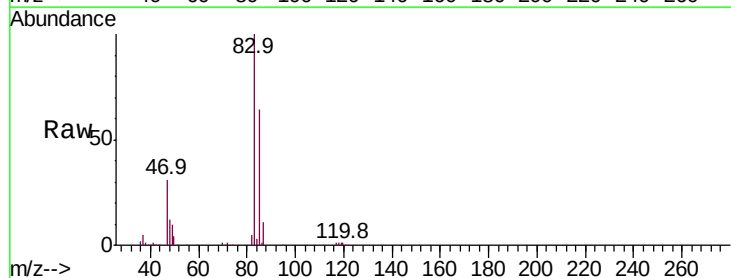
Acq: 12 Jul 2019 16:38

Tgt Ion: 83 Resp: 901827

Ion Ratio Lower Upper

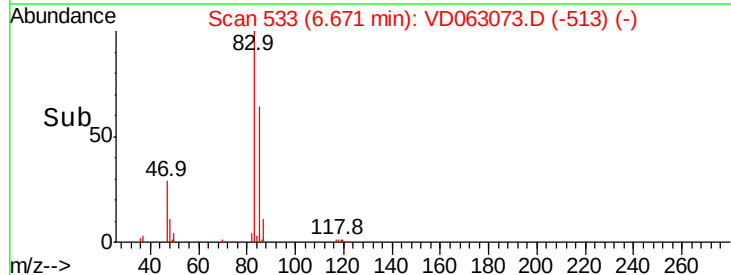
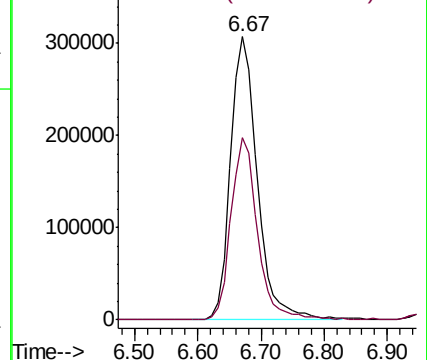
83 100

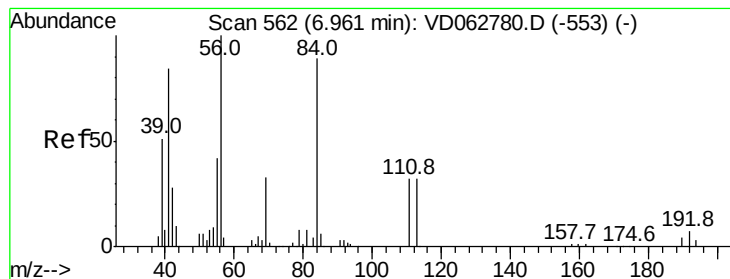
85 64.4 49.8 74.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 51.380 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

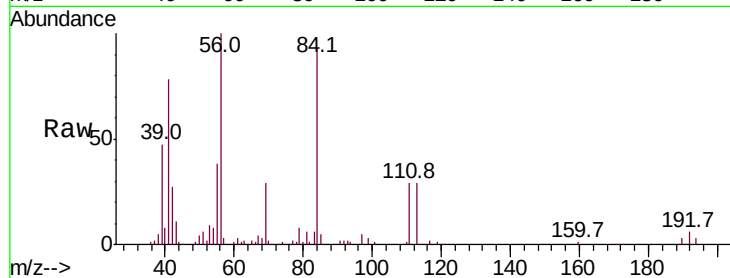
Tot Ion: 56 Resp: 433758

Ion Ratio Lower Upper

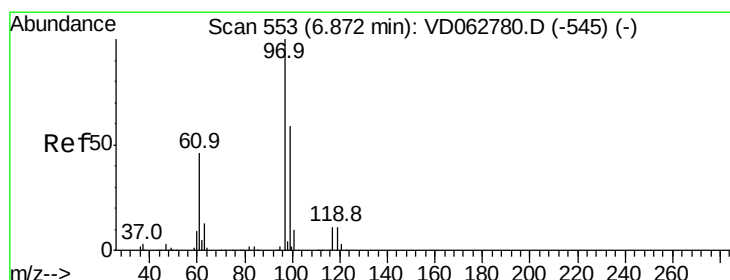
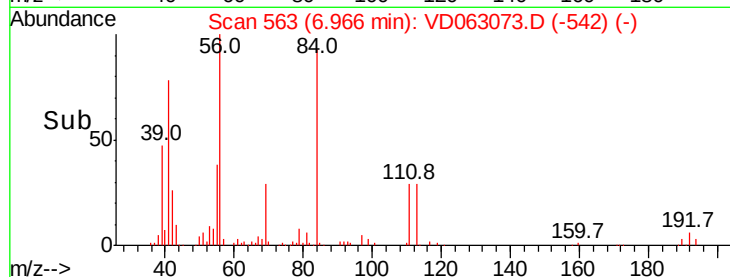
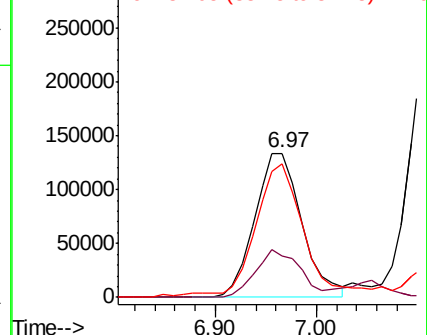
56 100

69 29.0 26.6 39.8

84 92.8 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: 52.830 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

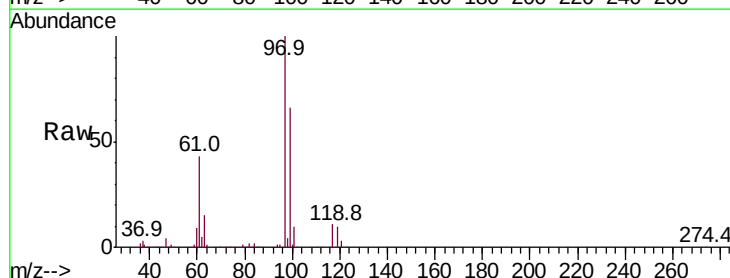
Tgt Ion: 97 Resp: 859372

Ion Ratio Lower Upper

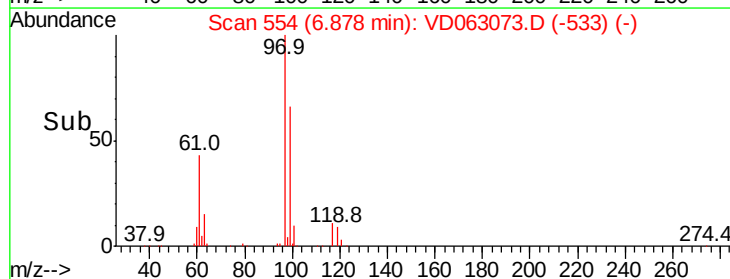
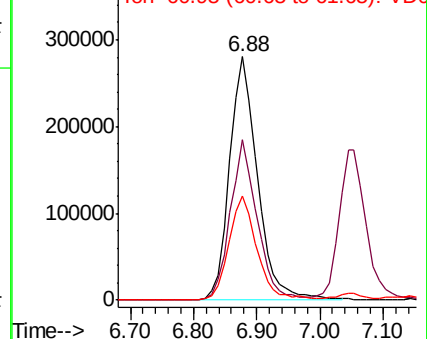
97 100

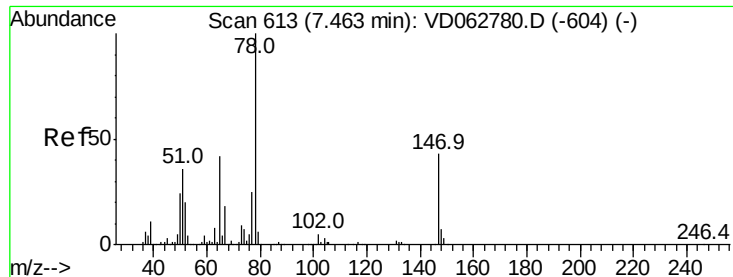
99 66.1 47.4 71.2

61 42.9 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

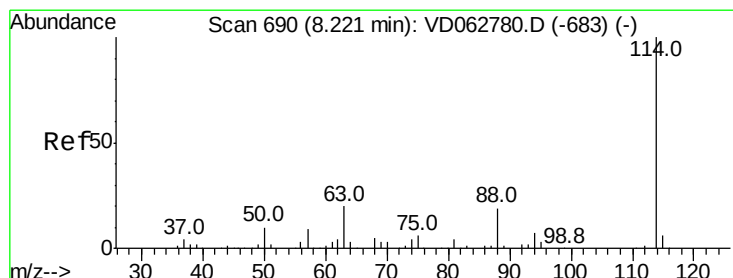
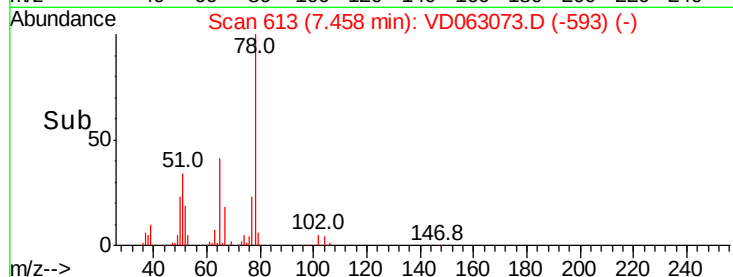
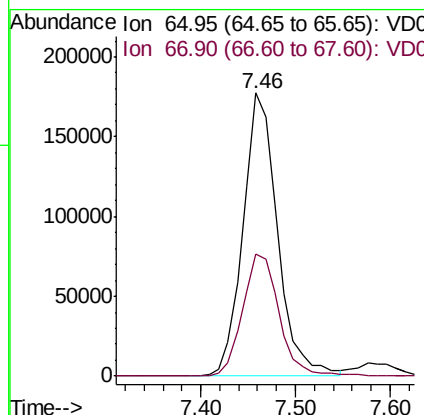
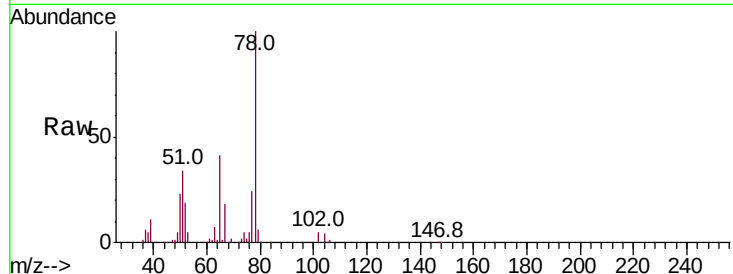




#33
 1,2-Dichloroethane-d4
 Concen: 49.896 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

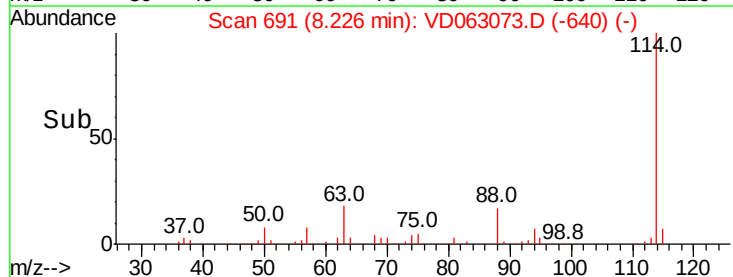
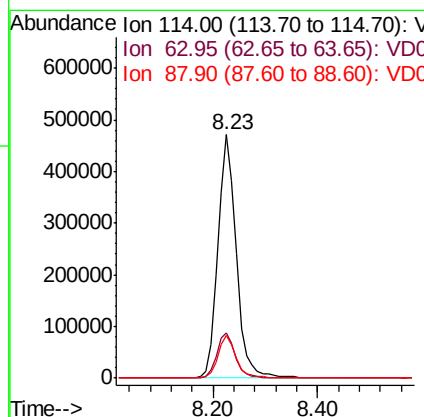
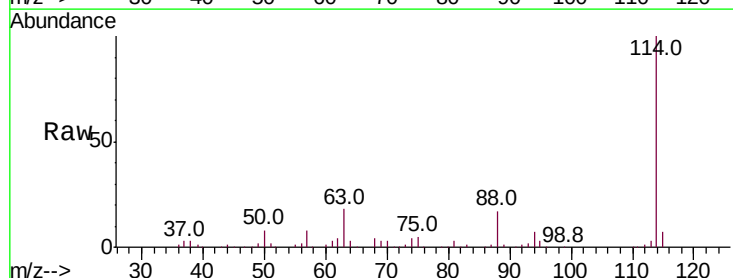
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

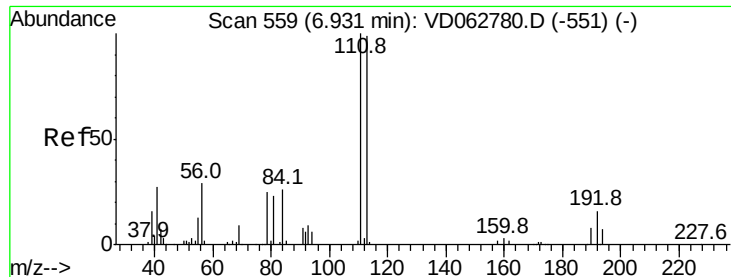
Tot Ion: 65 Resp: 448557
 Ion Ratio Lower Upper
 65 100
 67 43.3 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

Tgt Ion: 114 Resp: 1156037
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 40.0
 88 17.4 0.0 38.8

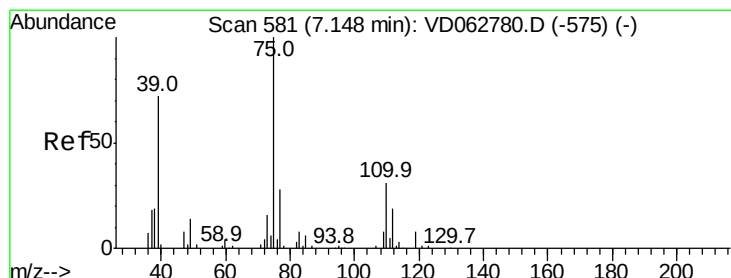
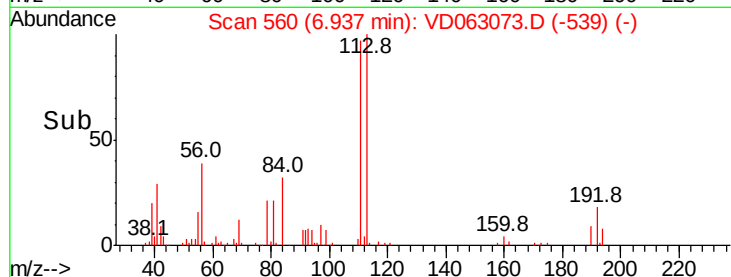
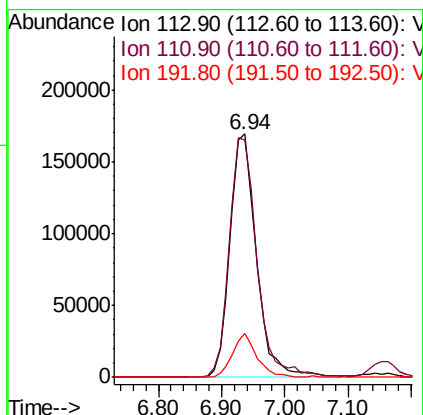
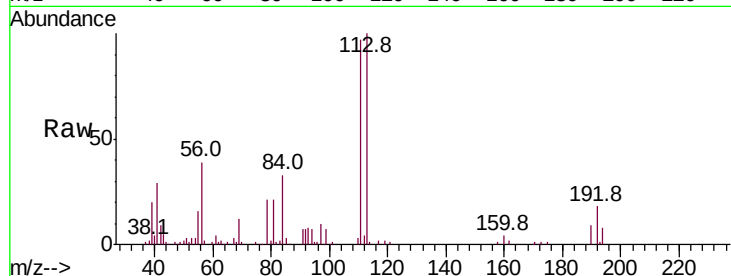




#35
Dibromofluoromethane
Concen: 50.427 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

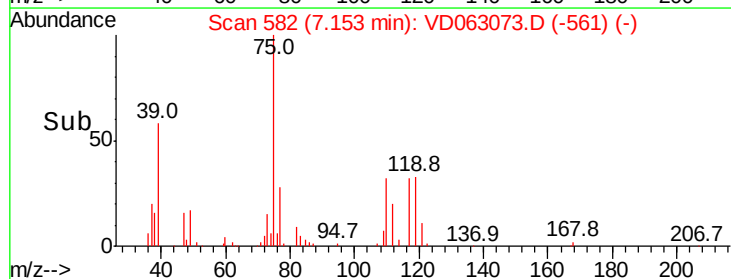
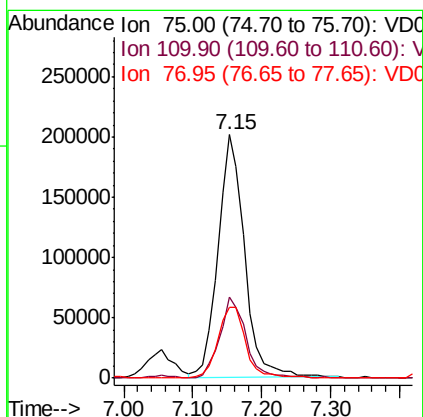
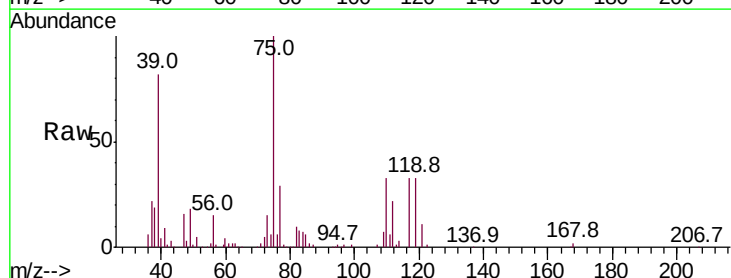
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

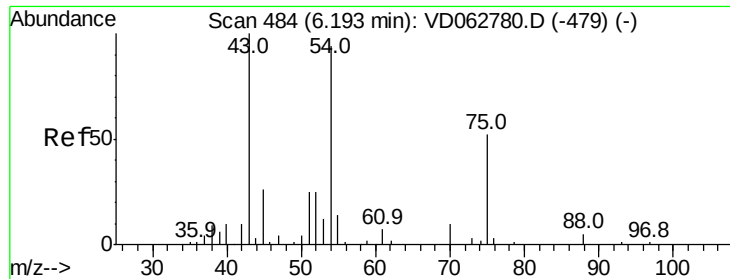
Tot Ion:113 Resp: 491548
Ion Ratio Lower Upper
113 100
111 97.2 81.2 121.8
192 18.3 12.9 19.3



#36
1,1-Dichloropropene
Concen: 48.794 ug/l
RT: 7.15 min Scan# 582
Delta R.T. 0.01 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

Tgt Ion: 75 Resp: 533975
Ion Ratio Lower Upper
75 100
110 33.5 15.0 45.1
77 29.2 22.2 33.2

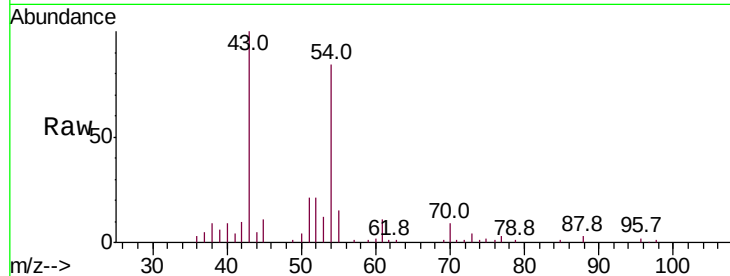




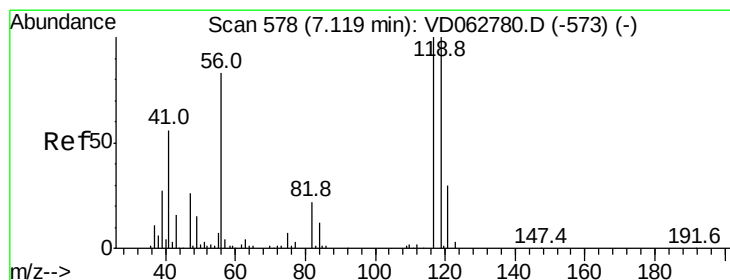
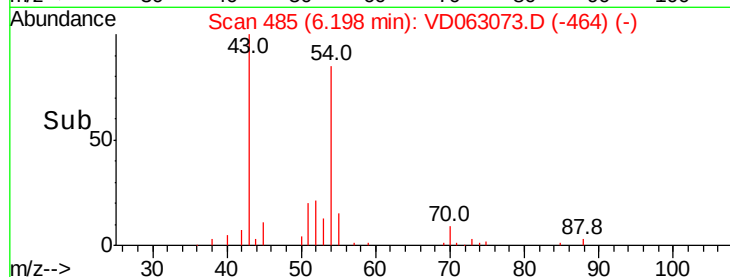
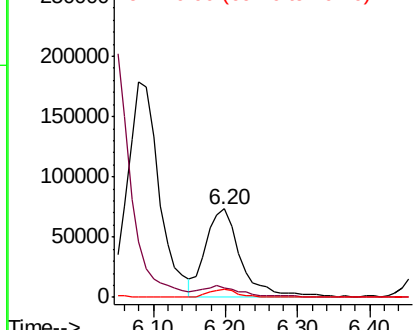
#37
Ethyl Acetate
Concen: 52.135 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 239454
Ion Ratio Lower Upper
43 100
61 11.1 11.6 17.4#
70 9.0 6.4 9.6

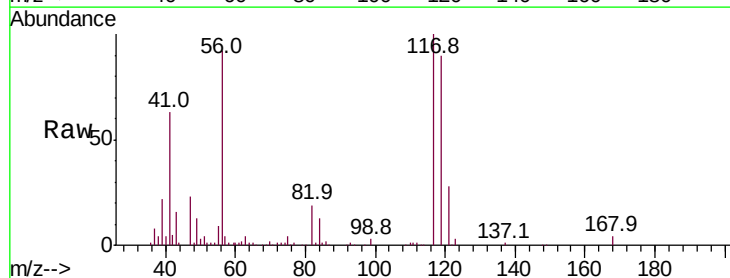


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

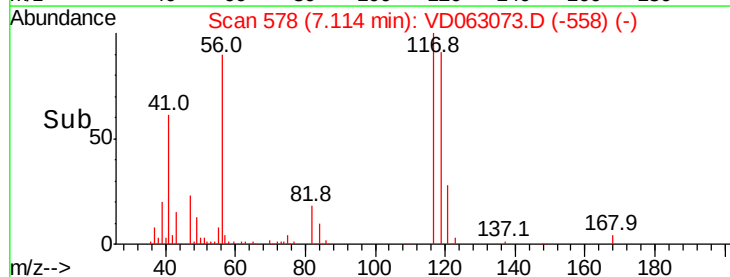
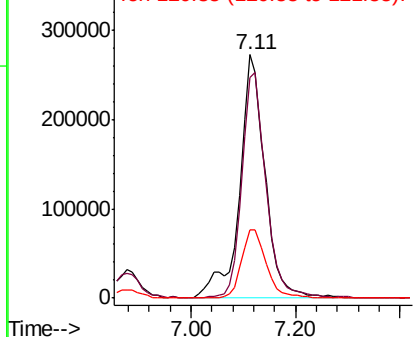


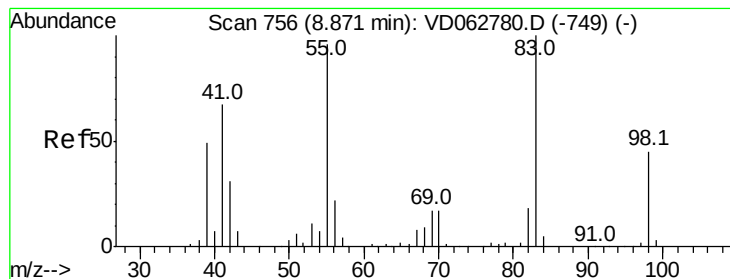
#38
Carbon Tetrachloride
Concen: 54.055 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

Tgt Ion: 117 Resp: 889679
Ion Ratio Lower Upper
117 100
119 90.5 75.4 113.2
121 27.8 22.3 33.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methylvlcyclohexane

Concen: 49.582 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

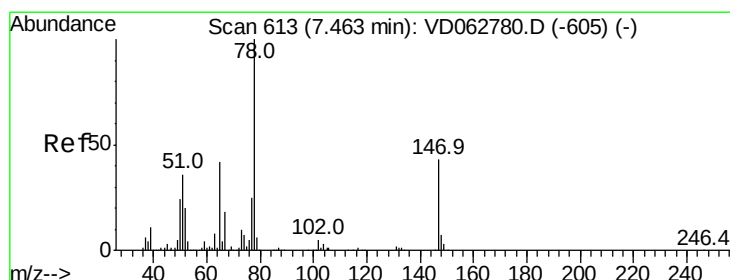
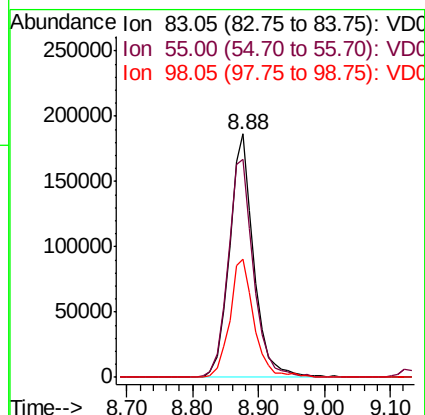
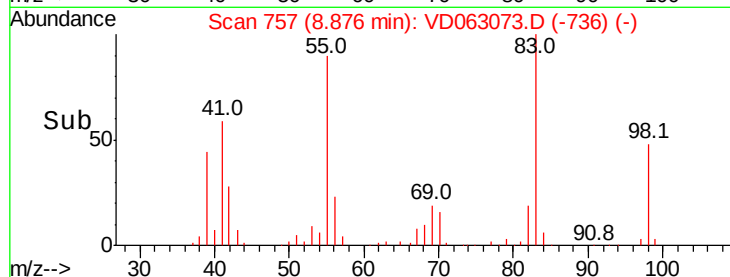
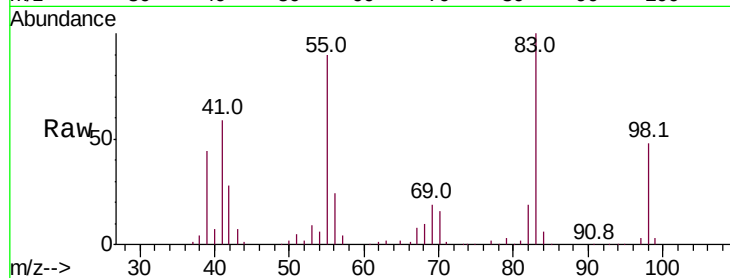
Tot Ion: 83 Resp: 477615

Ion Ratio Lower Upper

83 100

55 89.7 76.6 115.0

98 48.3 35.7 53.5



#40

Benzene

Concen: 56.144 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063073.D

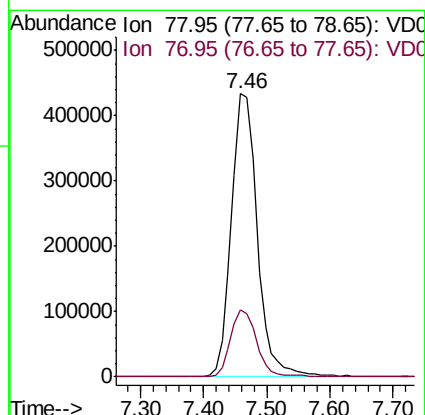
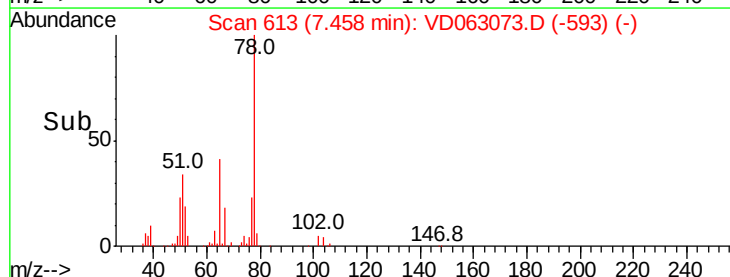
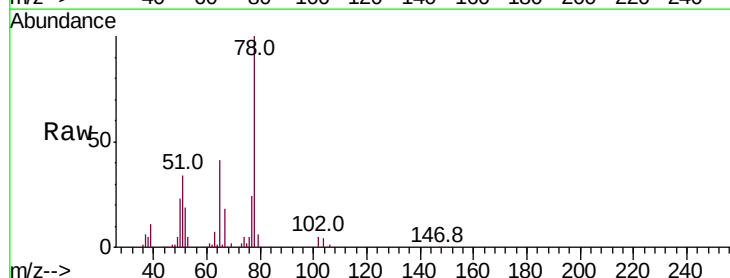
Acq: 12 Jul 2019 16:38

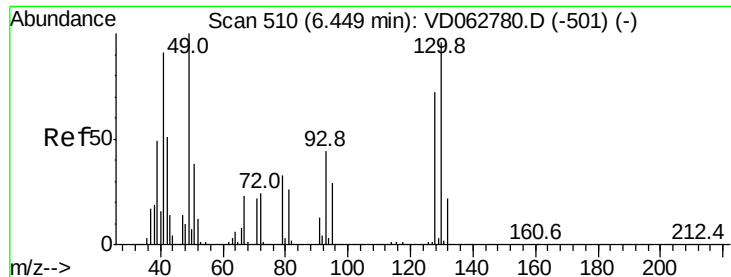
Tgt Ion: 78 Resp: 1233318

Ion Ratio Lower Upper

78 100

77 23.6 20.2 30.2





#41

Methacrylonitrile

Concen: 56.721 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 327350

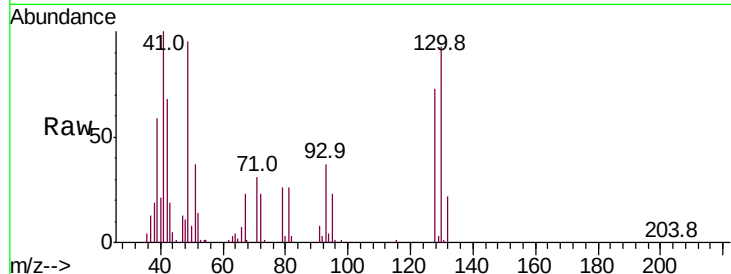
Ion Ratio Lower Upper

41 100

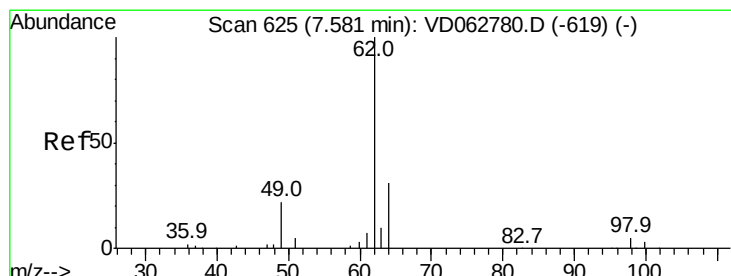
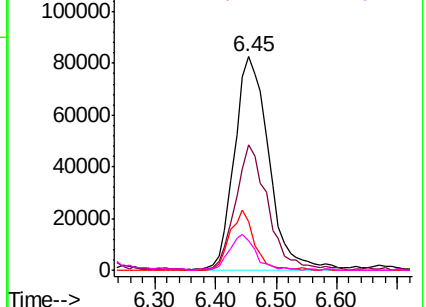
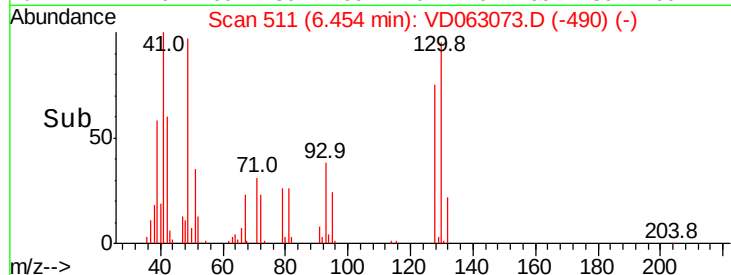
39 58.6 43.2 64.8

67 22.9 19.9 29.9

52 14.0 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: 54.970 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD063073.D

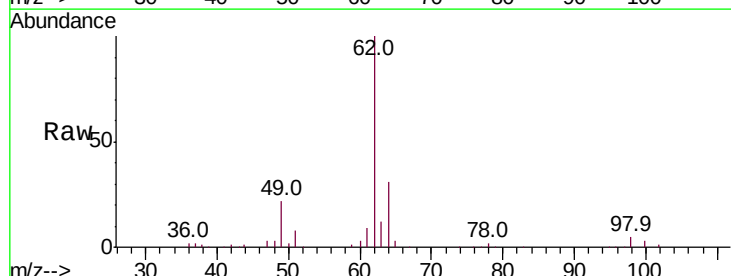
Acq: 12 Jul 2019 16:38

Tgt Ion: 62 Resp: 658733

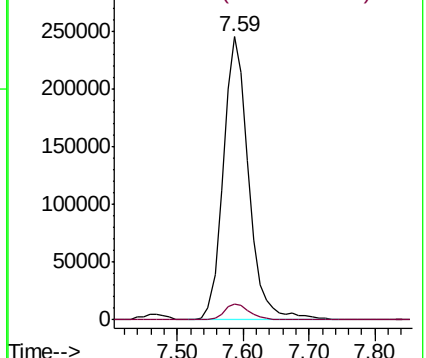
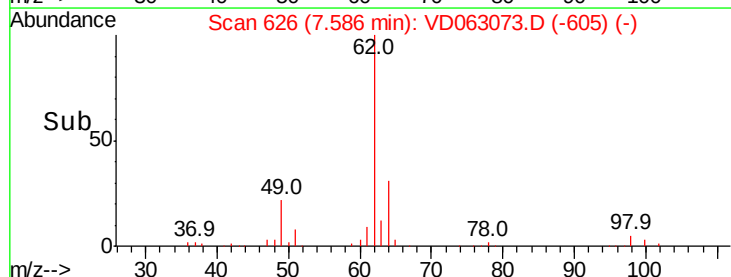
Ion Ratio Lower Upper

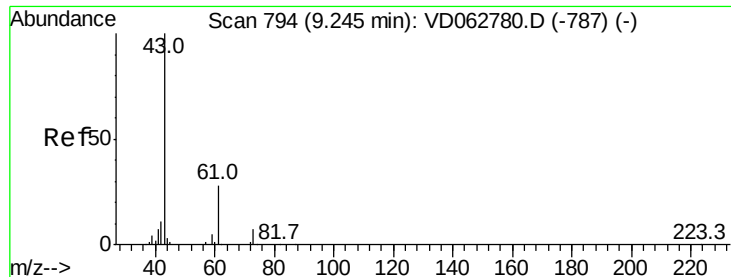
62 100

98 5.4 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: 62.003 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

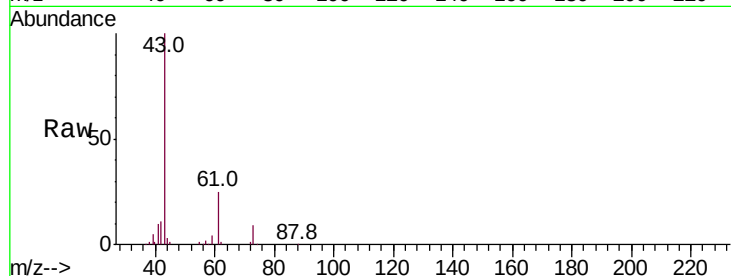
Tot Ion: 43 Resp: 355733

Ion Ratio Lower Upper

43 100

61 25.5 22.4 33.6

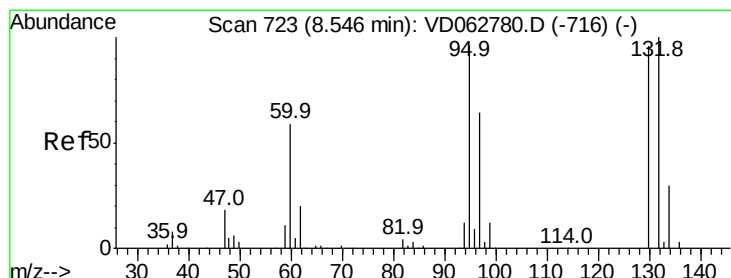
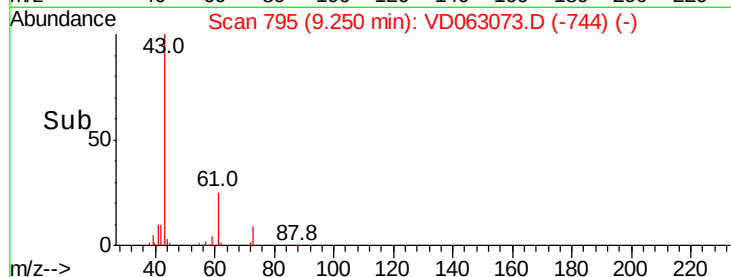
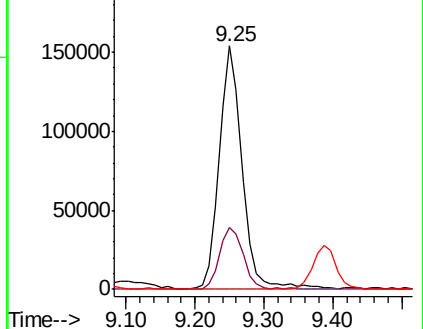
87 0.0 0.3 0.5#



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: 54.783 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD063073.D

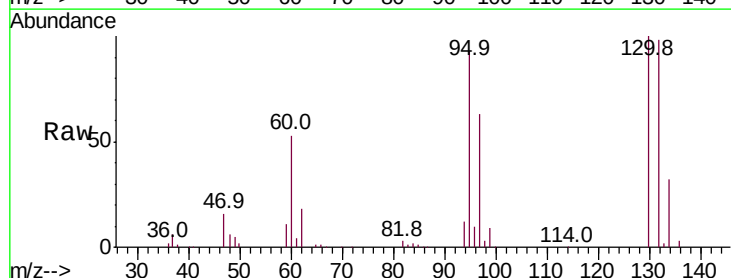
Acq: 12 Jul 2019 16:38

Tgt Ion:130 Resp: 471793

Ion Ratio Lower Upper

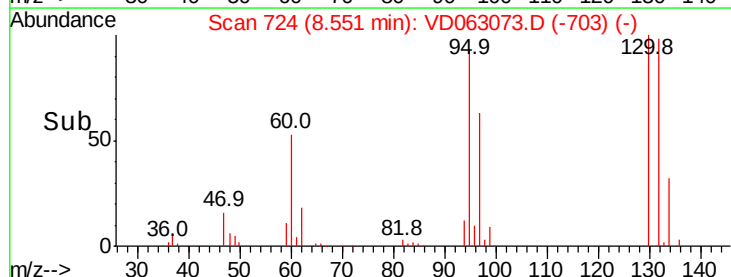
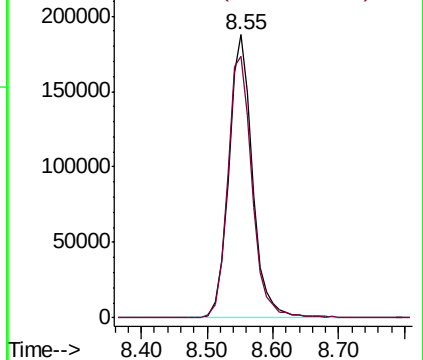
130 100

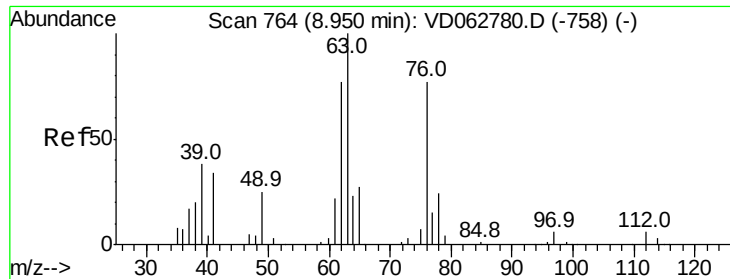
95 92.6 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 57.518 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

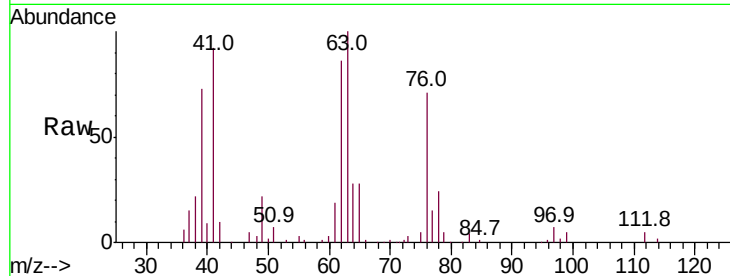
VSTDCCC050EC

Tot Ion: 63 Resp: 314176

Ion Ratio Lower Upper

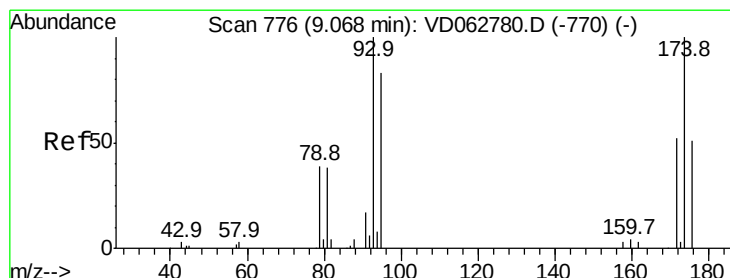
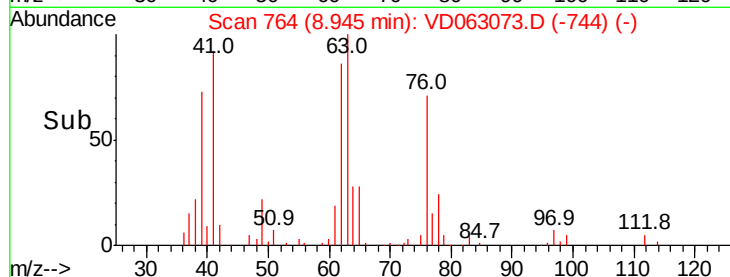
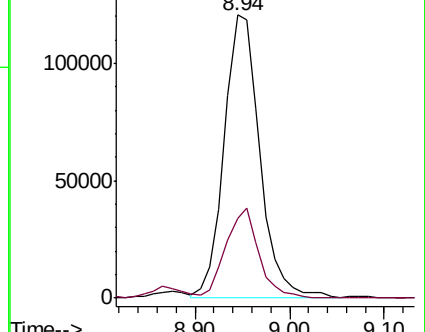
63 100

65 28.4 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: 55.271 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

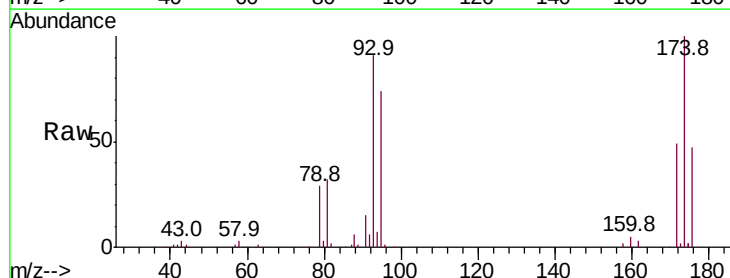
Tgt Ion: 93 Resp: 259337

Ion Ratio Lower Upper

93 100

95 81.2 66.6 100.0

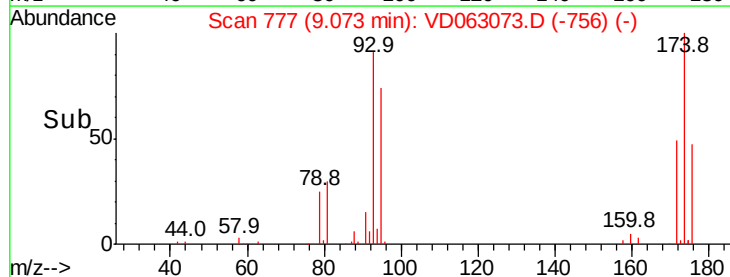
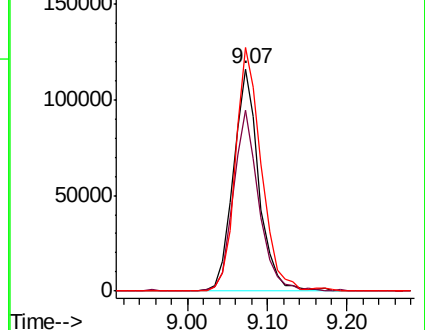
174 109.5 79.7 119.5

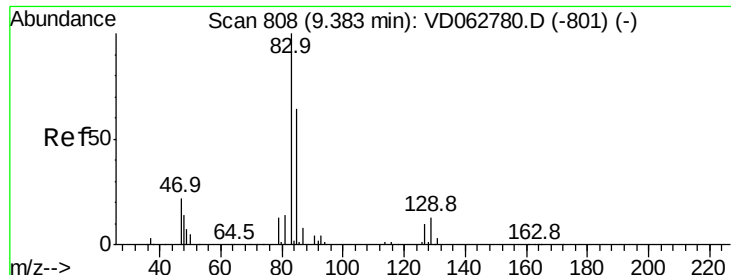


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 54.829 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

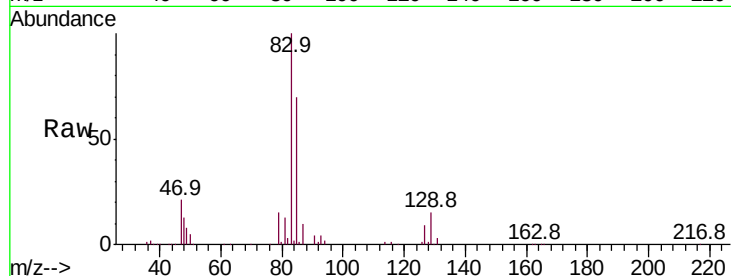
Tot Ion: 83 Resp: 668143

Ion Ratio Lower Upper

83 100

85 70.0 51.6 77.4

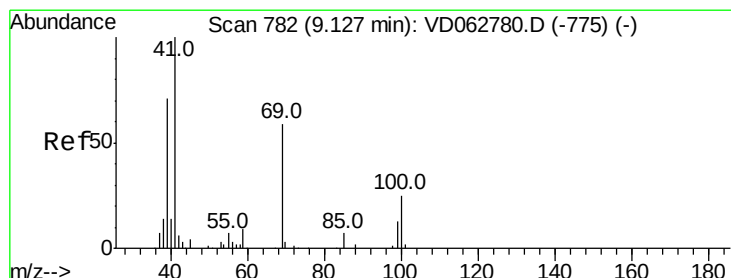
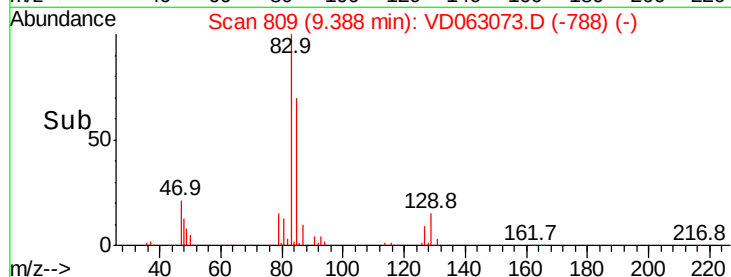
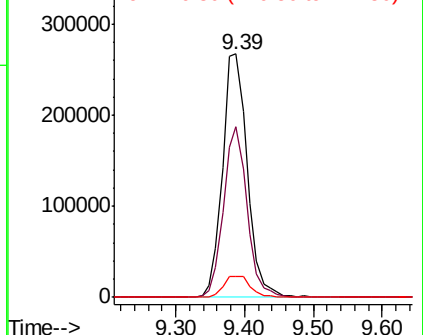
127 8.5 7.8 11.6



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: 57.175 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

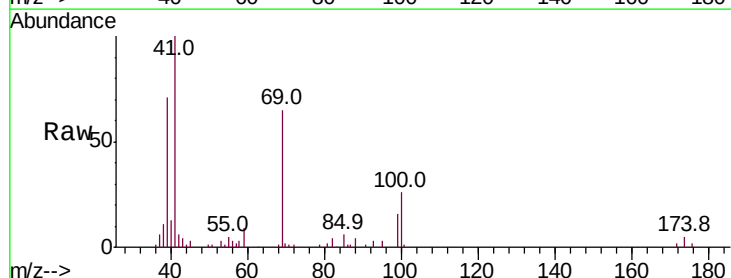
Tgt Ion: 41 Resp: 233111

Ion Ratio Lower Upper

41 100

69 65.0 47.2 70.8

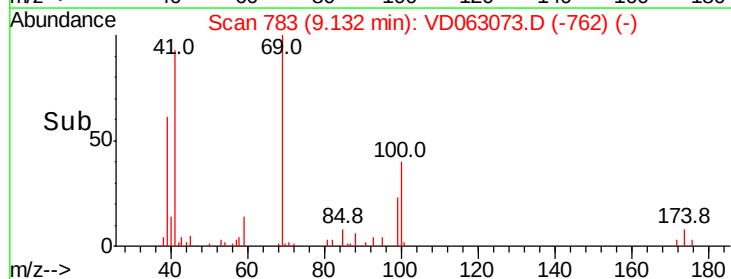
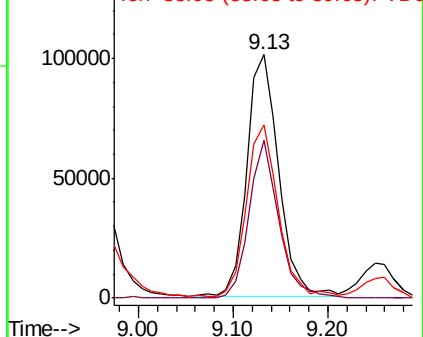
39 71.1 57.4 86.2

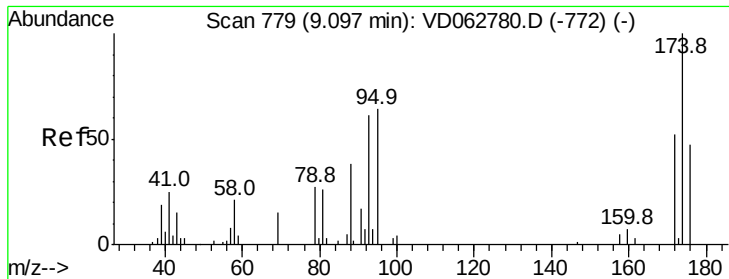


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

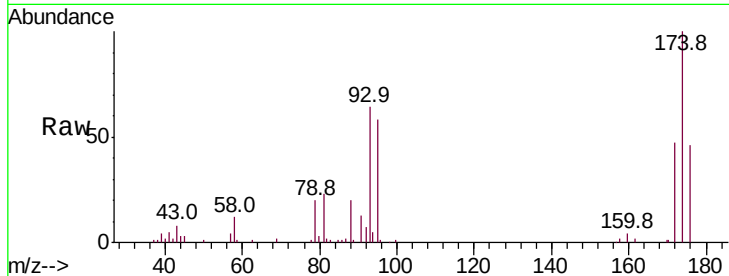




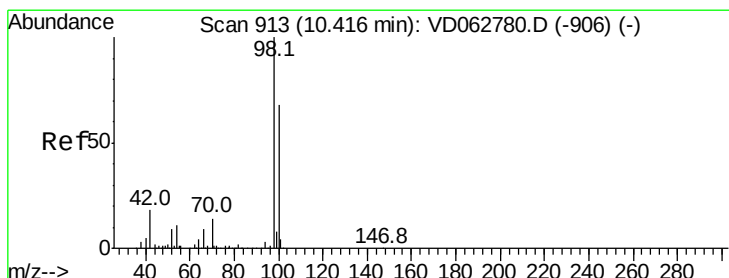
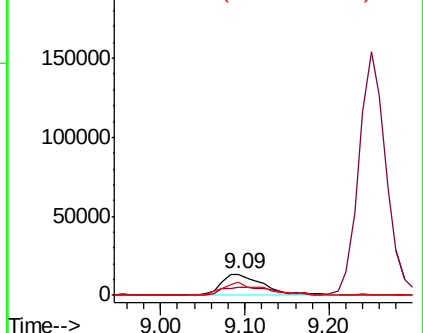
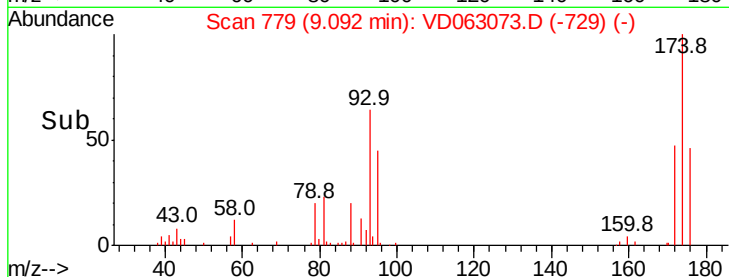
#49
 1,4-Dioxane
 Concen: 1376.142 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 46679
 Ion Ratio Lower Upper
 88 100
 43 40.5 32.1 48.1
 58 59.5 44.1 66.1

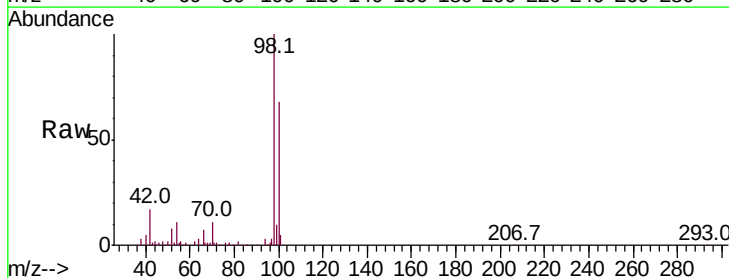


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

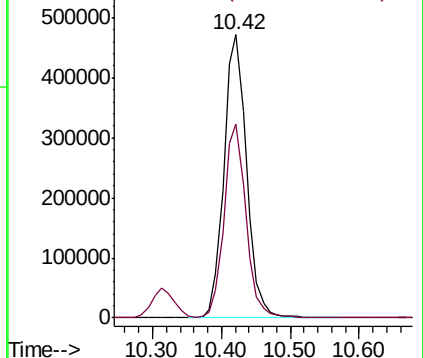
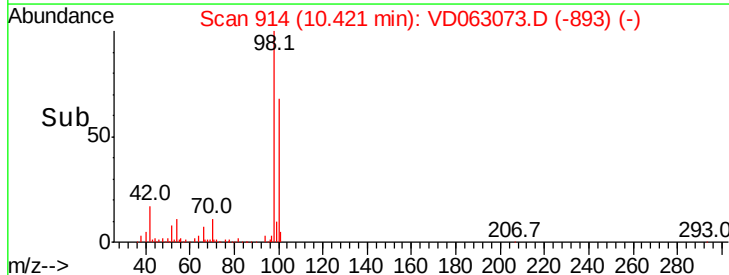


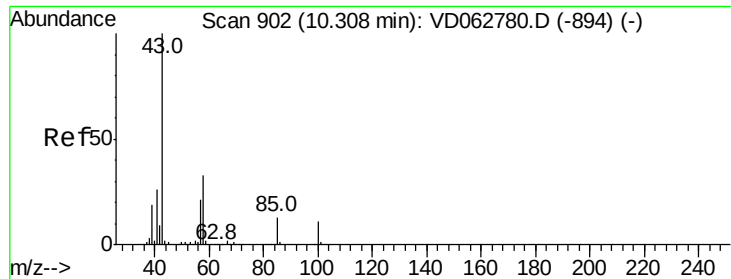
#50
 Toluene-d8
 Concen: 50.468 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

Tgt Ion: 98 Resp: 1070706
 Ion Ratio Lower Upper
 98 100
 100 68.3 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: 292.869 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

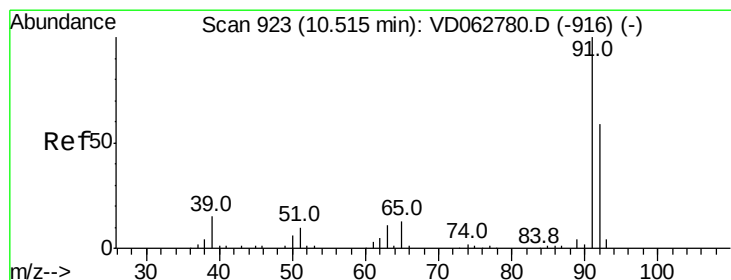
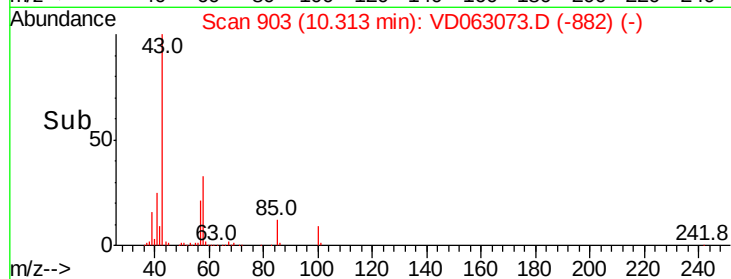
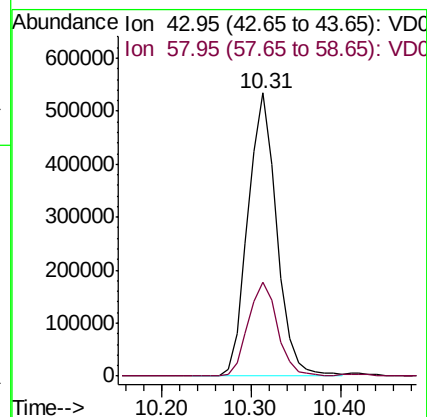
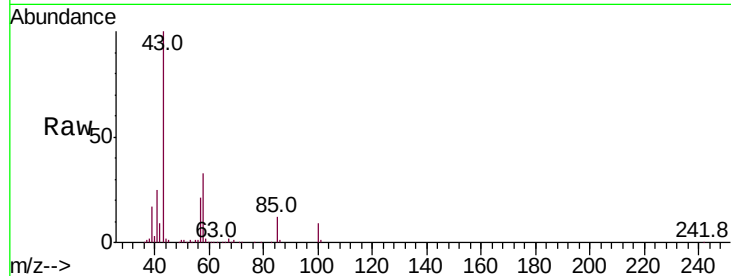
VSTDCCC050EC

Tot Ion: 43 Resp: 1191311

Ion Ratio Lower Upper

43 100

58 33.1 26.6 40.0



#52

Toluene

Concen: 56.220 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD063073.D

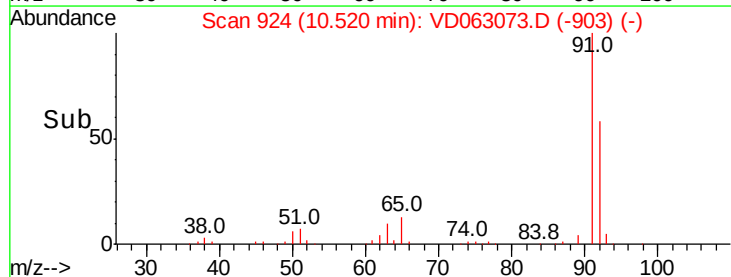
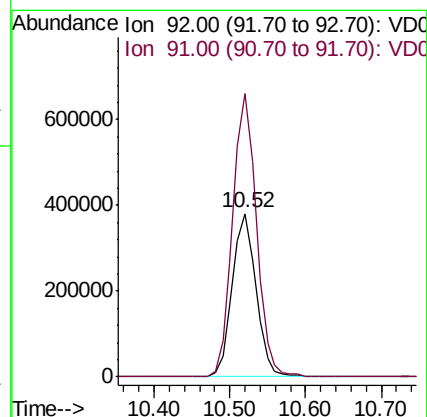
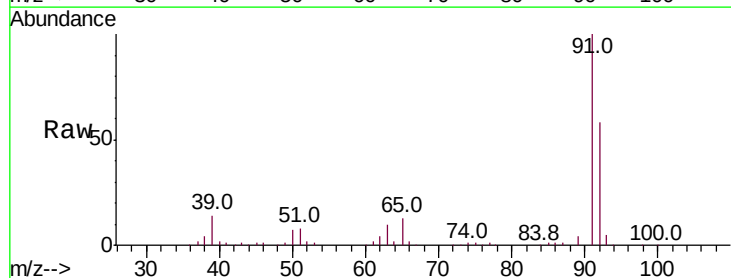
Acq: 12 Jul 2019 16:38

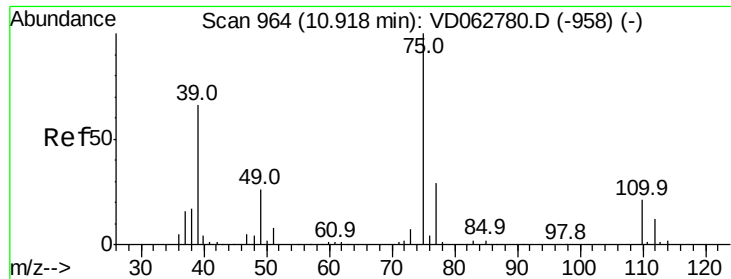
Tgt Ion: 92 Resp: 830167

Ion Ratio Lower Upper

92 100

91 173.5 136.3 204.5

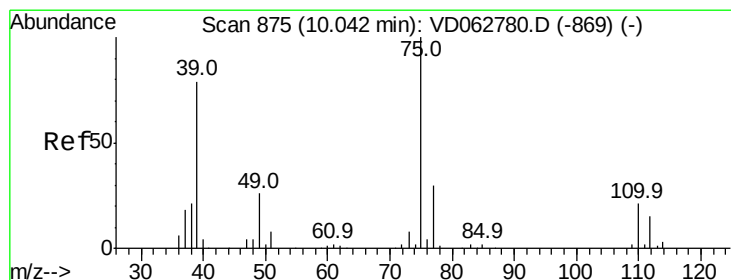
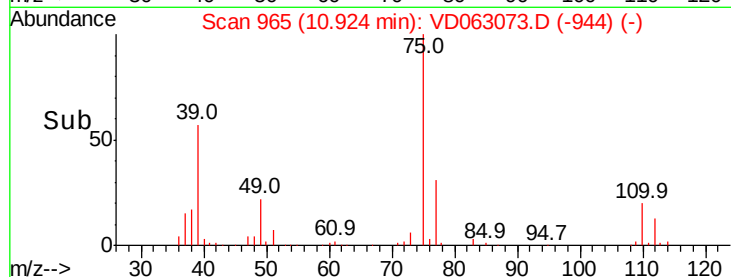
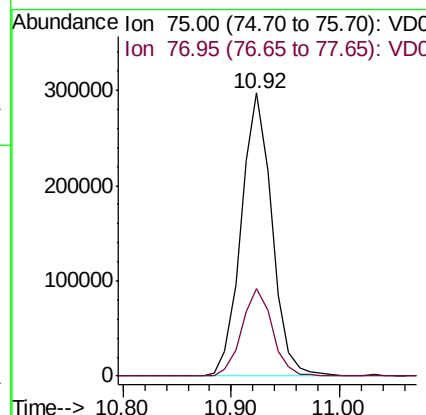
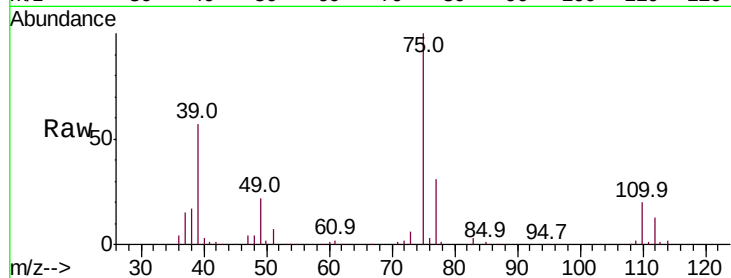




#53
t-1,3-Dichloropropene
Concen: 58.791 ug/l
RT: 10.92 min Scan# 965
Delta R.T. 0.01 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

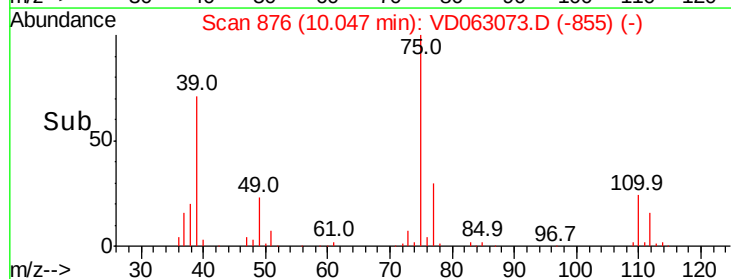
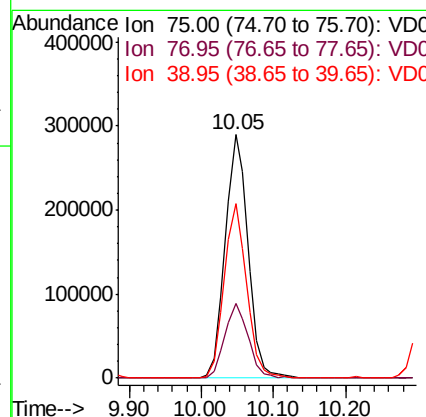
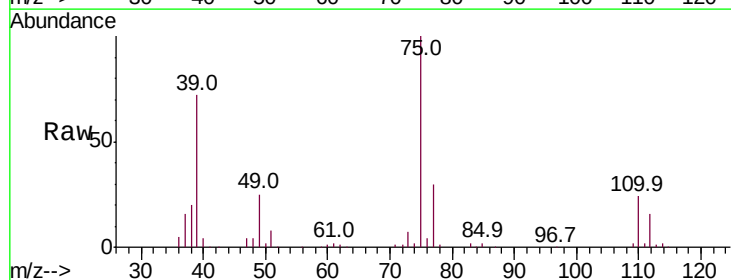
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

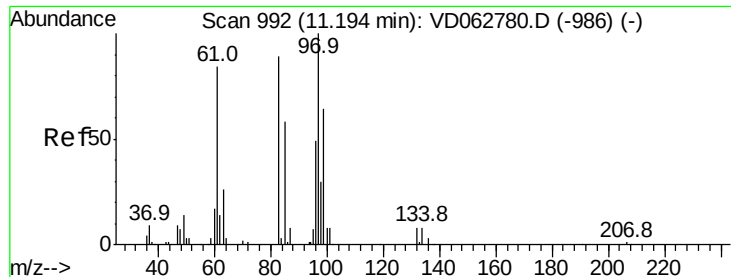
Tot Ion: 75 Resp: 586384
Ion Ratio Lower Upper
75 100
77 31.0 23.2 34.8



#54
cis-1,3-Dichloropropene
Concen: 58.744 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.01 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

Tgt Ion: 75 Resp: 636846
Ion Ratio Lower Upper
75 100
77 30.5 24.2 36.2
39 71.7 63.5 95.3

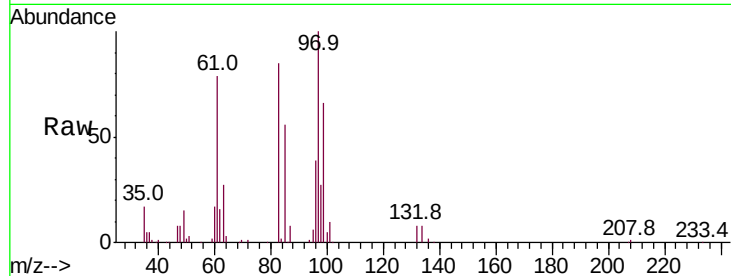




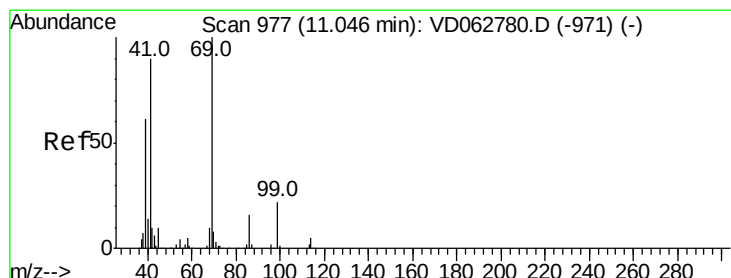
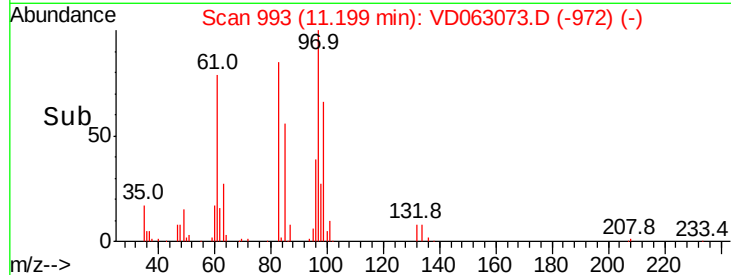
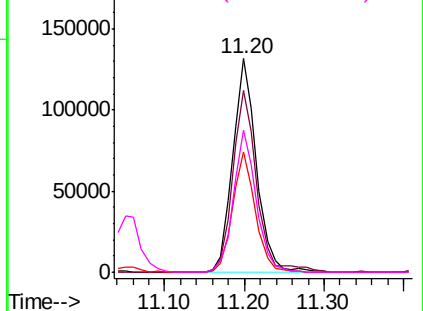
#55
 1,1,2-Trichloroethane
 Concen: 54.178 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 274853
 Ion Ratio Lower Upper
 97 100
 83 85.1 71.0 106.4
 85 56.3 46.6 69.8
 99 66.2 51.4 77.0

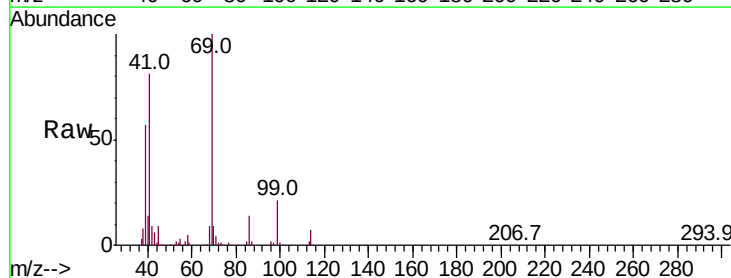


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

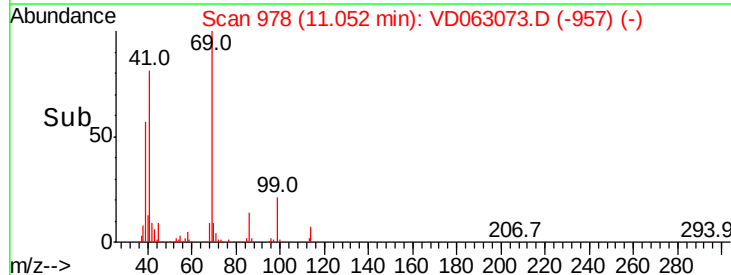
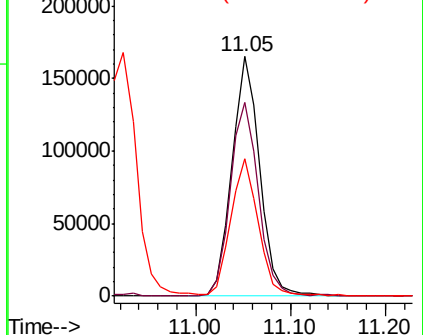


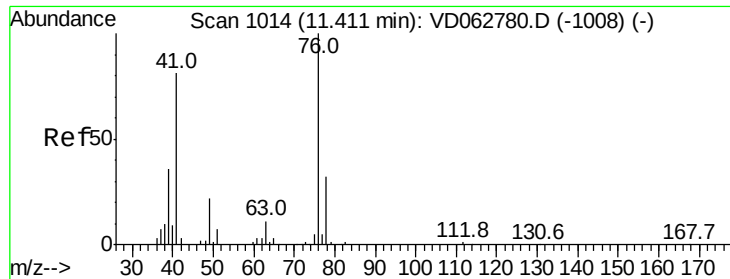
#56
 Ethyl methacrylate
 Concen: 61.799 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

Tgt Ion: 69 Resp: 335050
 Ion Ratio Lower Upper
 69 100
 41 80.9 72.0 108.0
 39 57.2 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

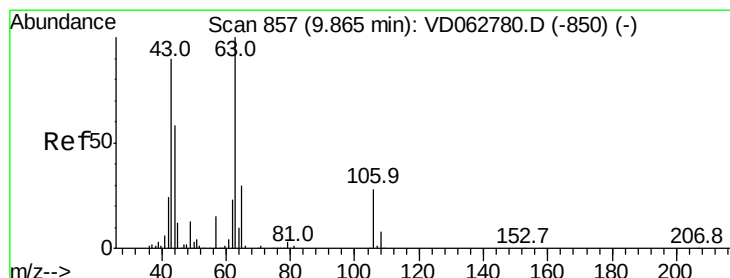
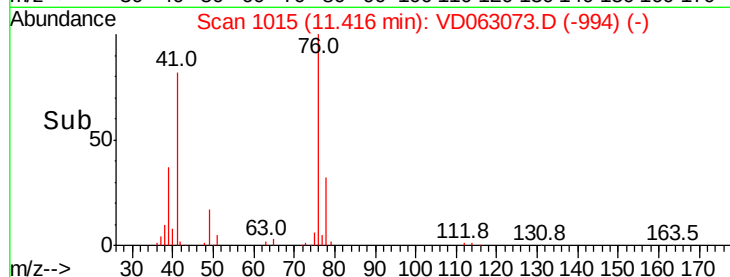
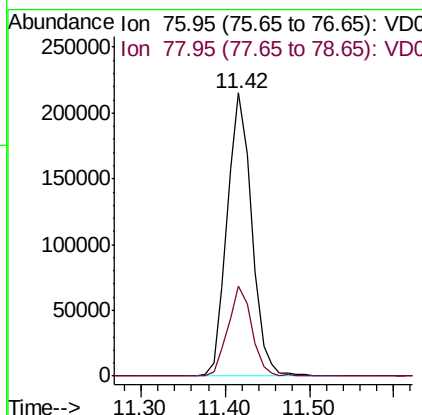
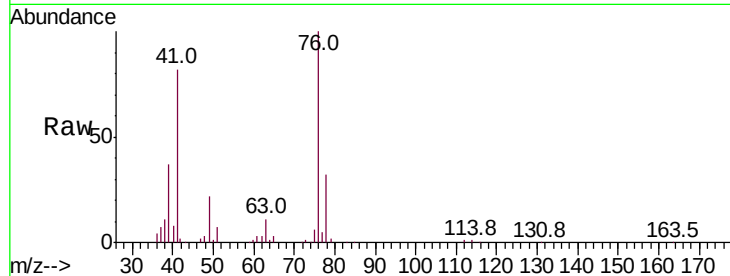




#57
 1,3-Dichloropropane
 Concen: 56.425 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

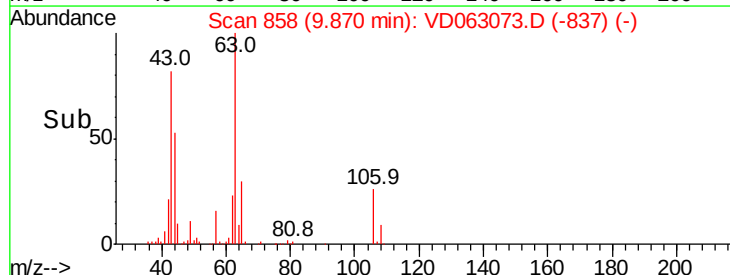
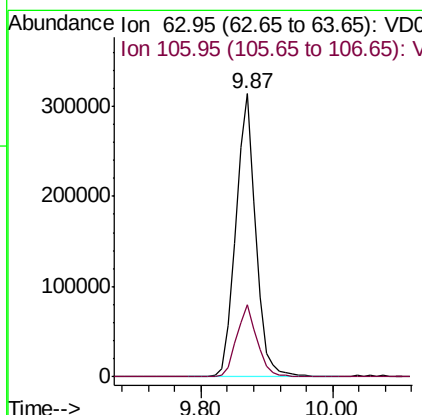
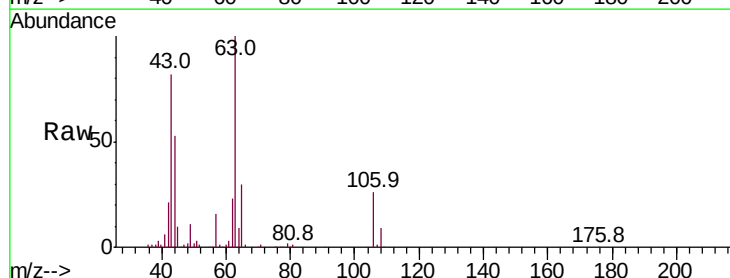
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

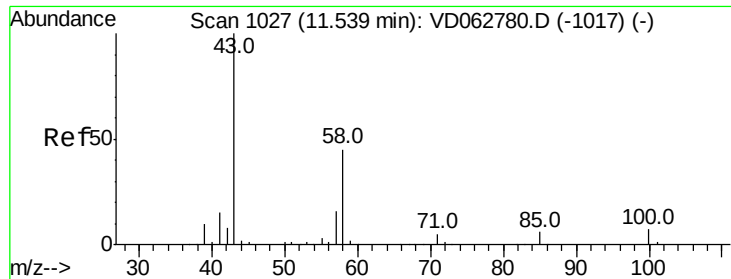
Tot Ion: 76 Resp: 438295
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.687 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.01 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

Tgt Ion: 63 Resp: 667136
 Ion Ratio Lower Upper
 63 100
 106 25.5 22.1 33.1

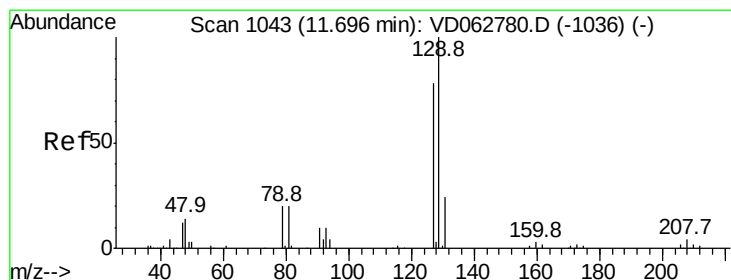
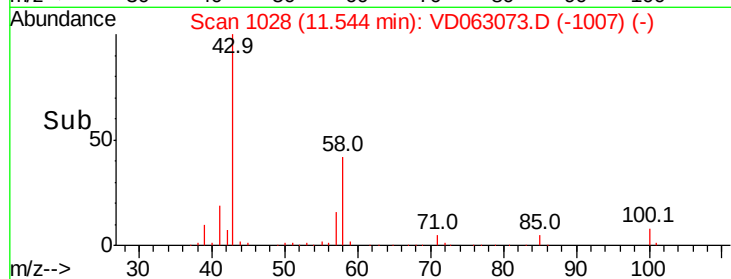
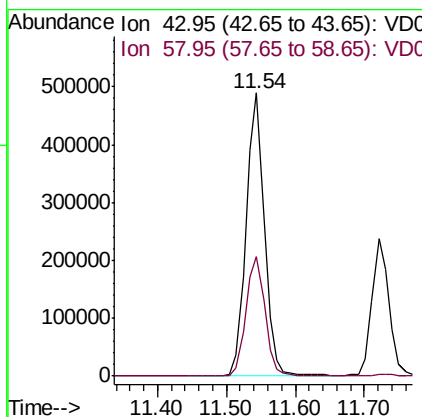
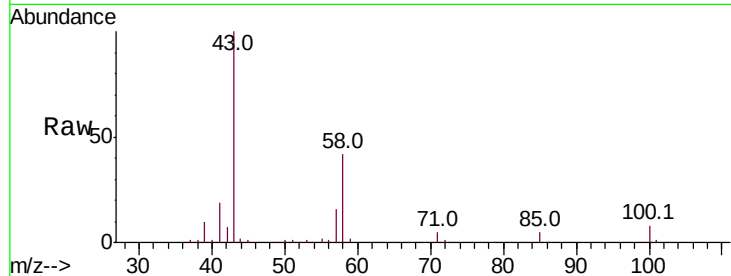




#59
2-Hexanone
Concen: 311.133 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

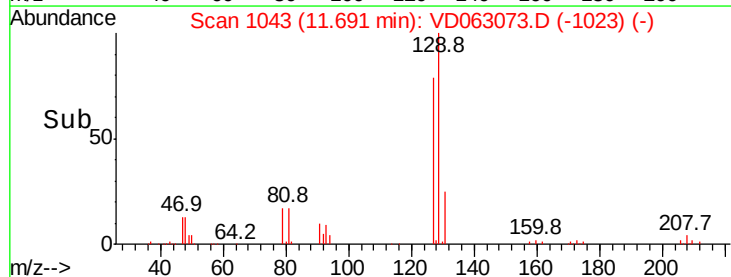
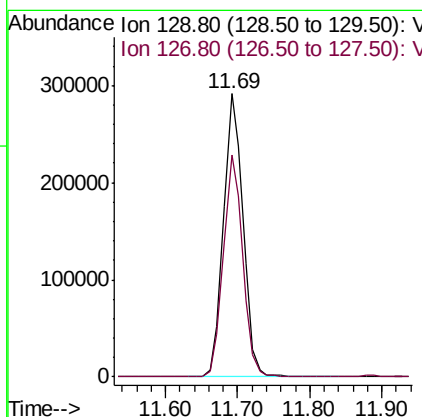
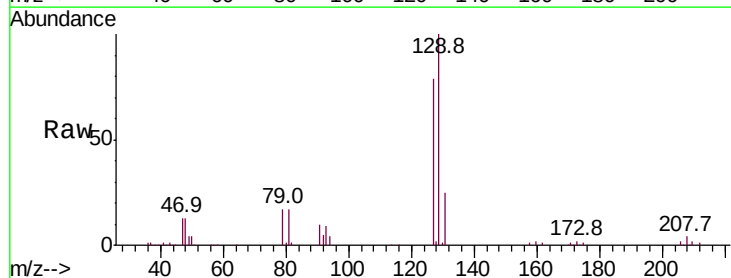
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

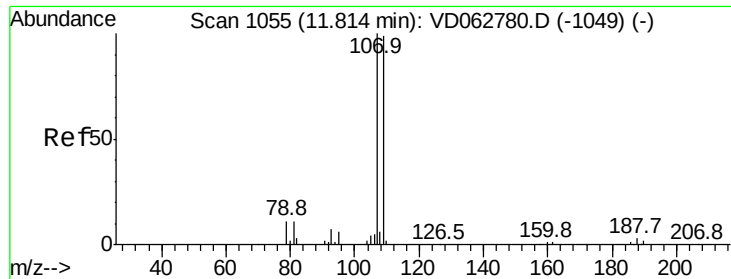
Tot Ion: 43 Resp: 901349
Ion Ratio Lower Upper
43 100
58 42.3 22.4 67.2



#60
Dibromochloromethane
Concen: 57.834 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

Tgt Ion: 129 Resp: 546499
Ion Ratio Lower Upper
129 100
127 78.6 38.9 116.6

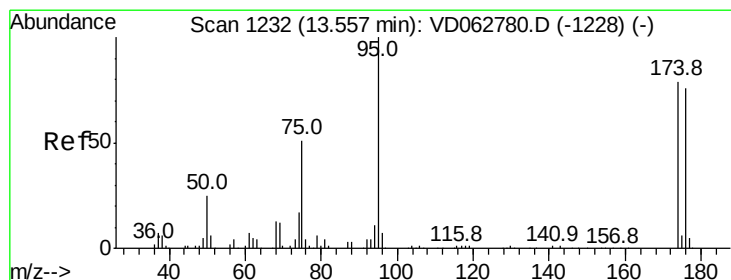
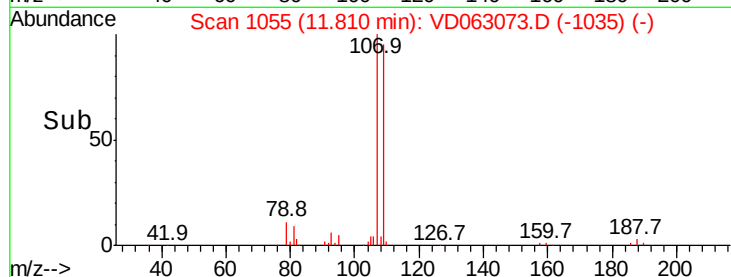
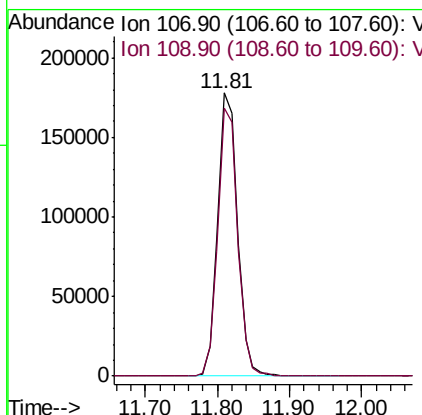
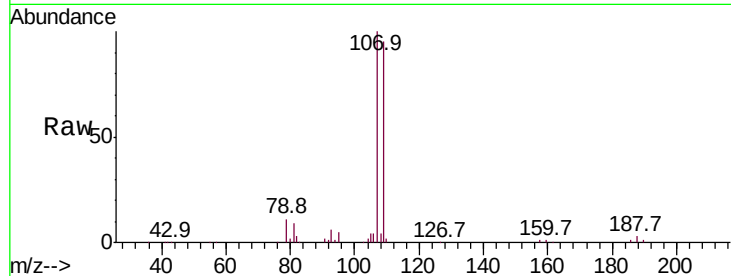




#61
 1,2-Dibromoethane
 Concen: 56.090 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

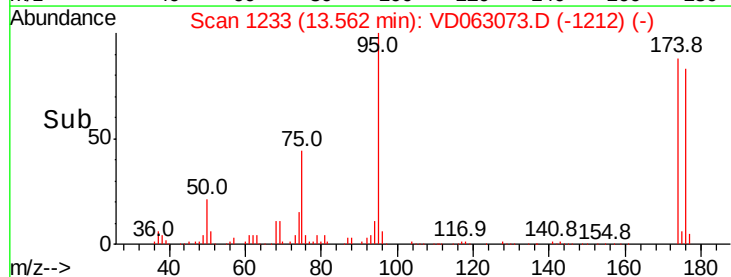
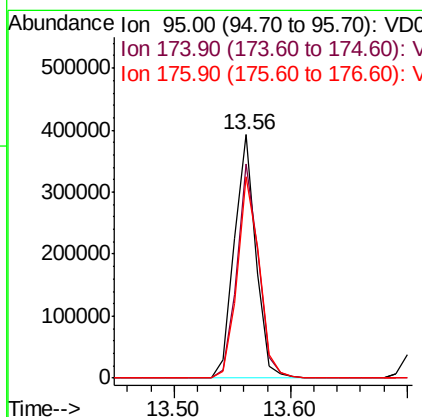
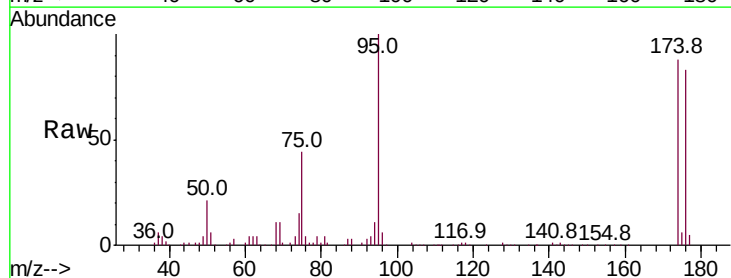
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

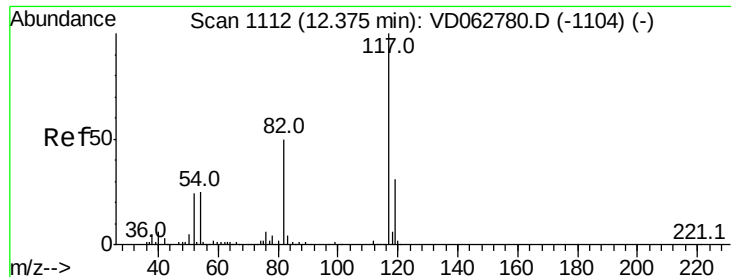
Tot Ion:107 Resp: 336072
 Ion Ratio Lower Upper
 107 100
 109 94.6 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 52.076 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

Tgt Ion: 95 Resp: 502362
 Ion Ratio Lower Upper
 95 100
 174 87.8 0.0 158.0
 176 82.6 0.0 151.6

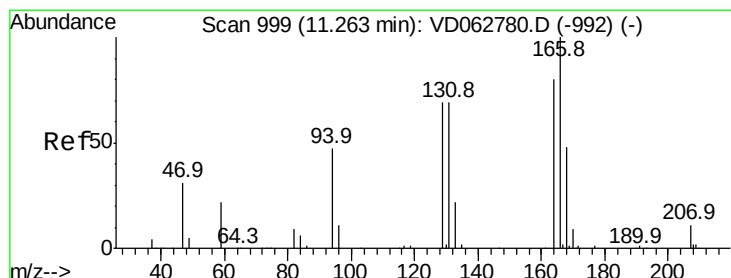
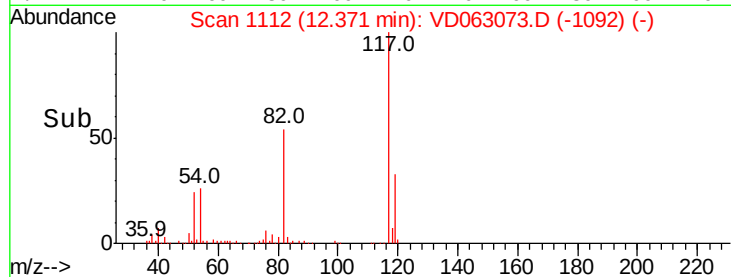
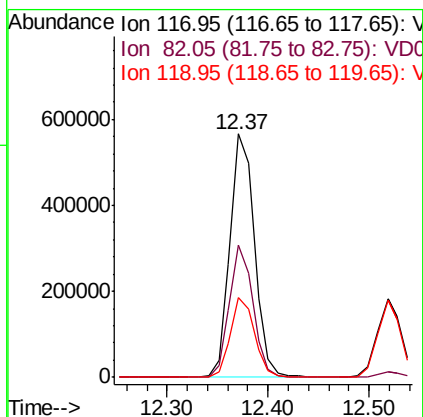
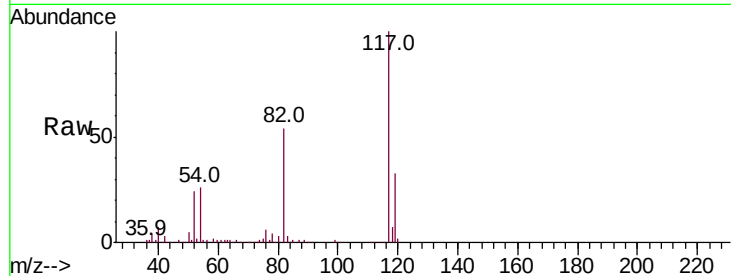




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

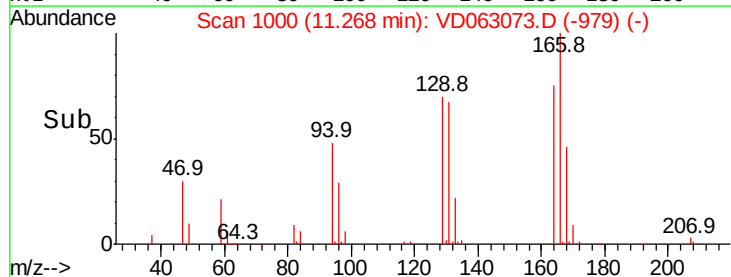
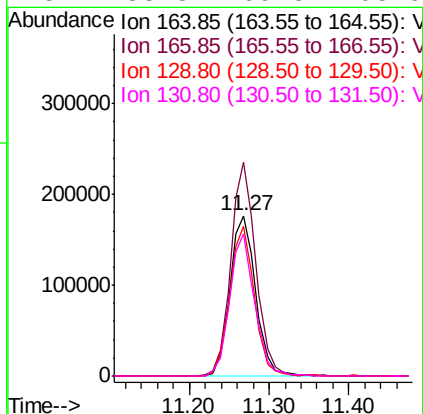
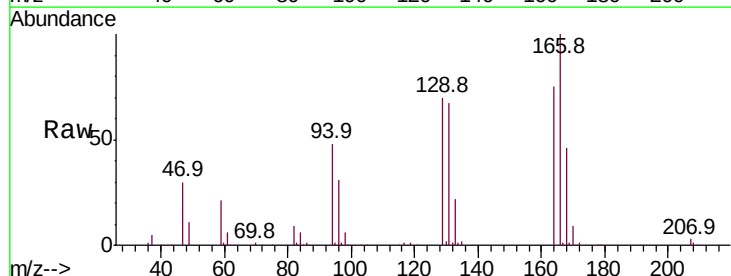
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

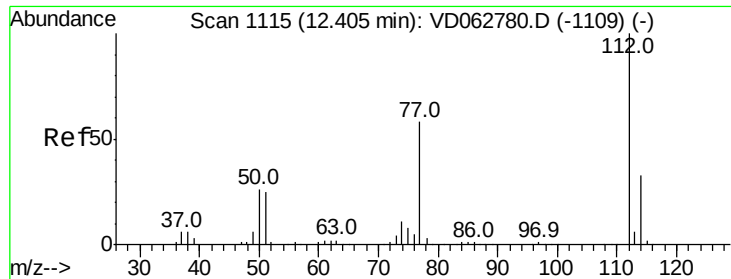
Tot Ion:117 Resp: 957739
Ion Ratio Lower Upper
117 100
82 54.5 40.4 60.6
119 32.5 25.2 37.8



#64
Tetrachloroethene
Concen: 50.387 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

Tgt Ion:164 Resp: 397173
Ion Ratio Lower Upper
164 100
166 133.2 100.6 150.8
129 93.3 69.4 104.0
131 88.8 69.3 103.9

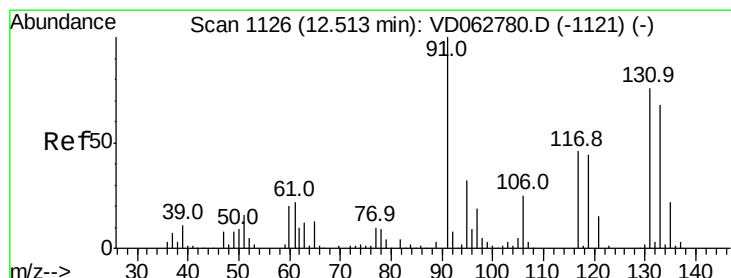
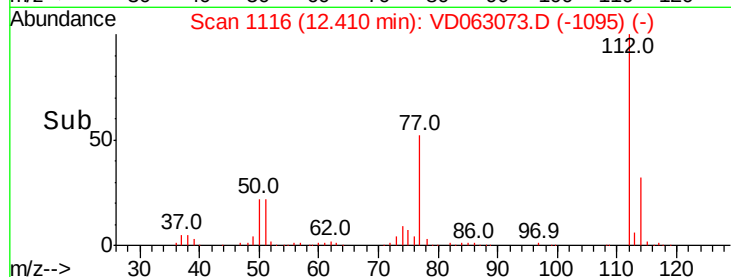
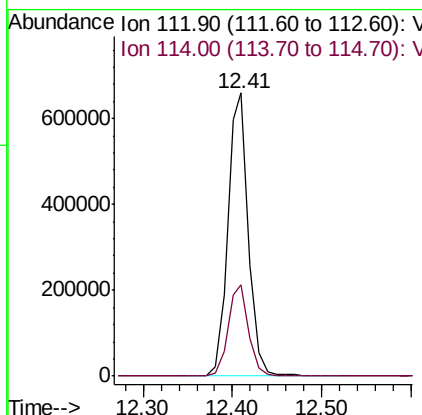
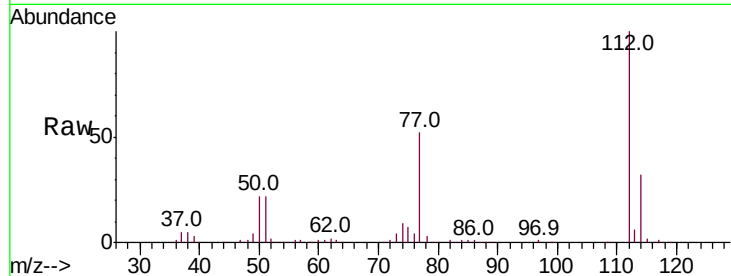




#65
Chlorobenzene
Concen: 60.138 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

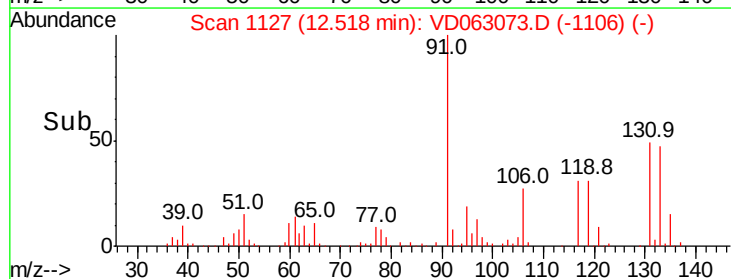
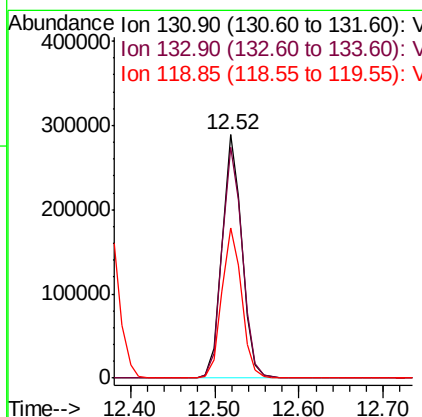
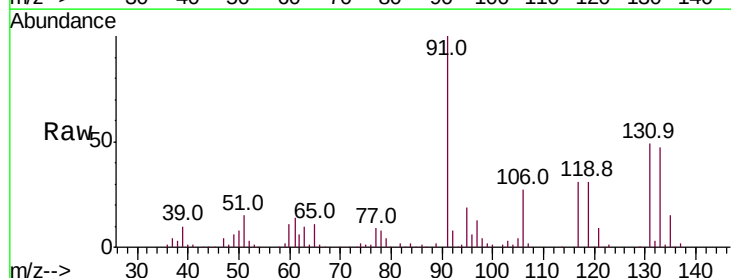
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

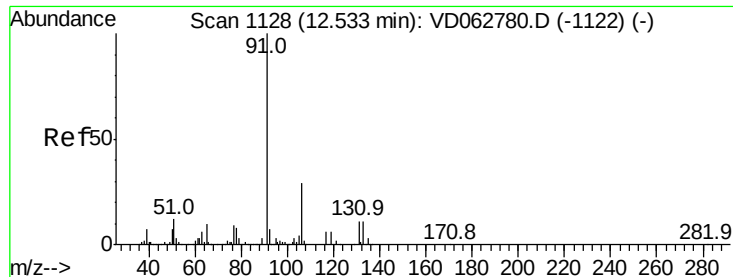
Tot Ion:112 Resp: 1068922
Ion Ratio Lower Upper
112 100
114 32.3 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 56.662 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

Tgt Ion:131 Resp: 470995
Ion Ratio Lower Upper
131 100
133 94.7 44.5 133.3
119 61.8 28.6 85.9





#67

Ethyl Benzene

Concen: 55.230 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

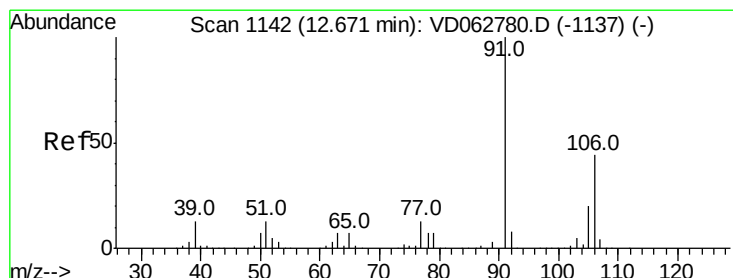
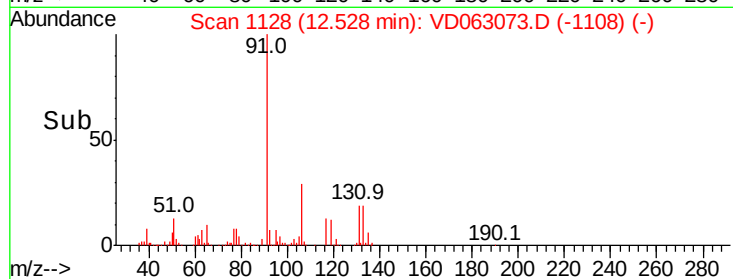
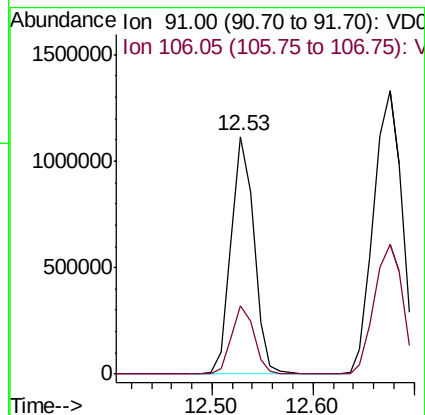
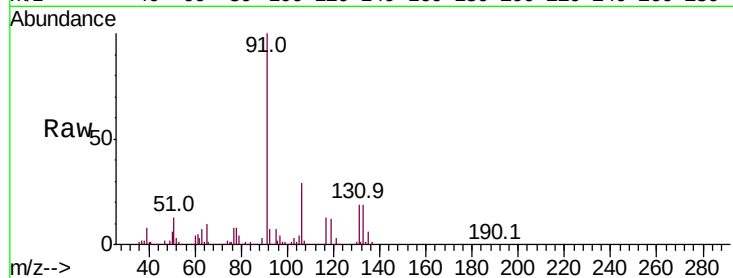
VSTDCCC050EC

Tot Ion: 91 Resp: 1762525

Ion Ratio Lower Upper

91 100

106 28.7 23.1 34.7



#68

m/p-Xylenes

Concen: 109.358 ug/l

RT: 12.68 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VD063073.D

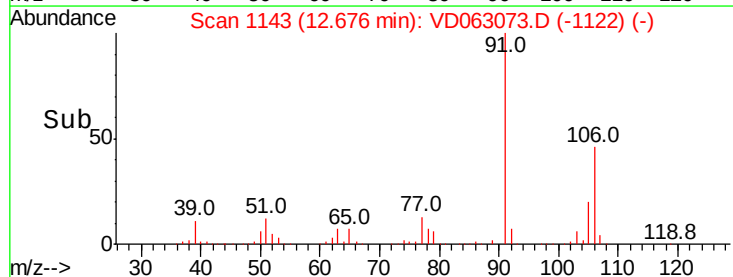
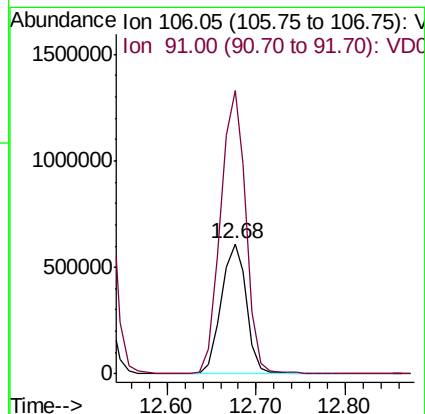
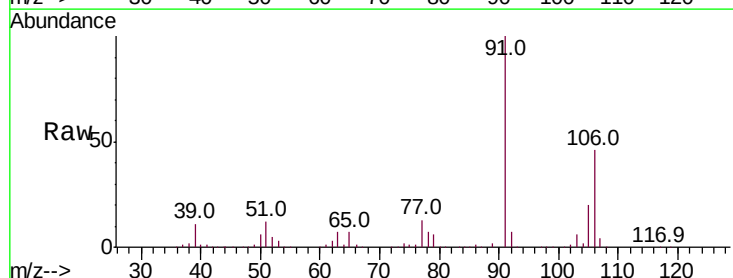
Acq: 12 Jul 2019 16:38

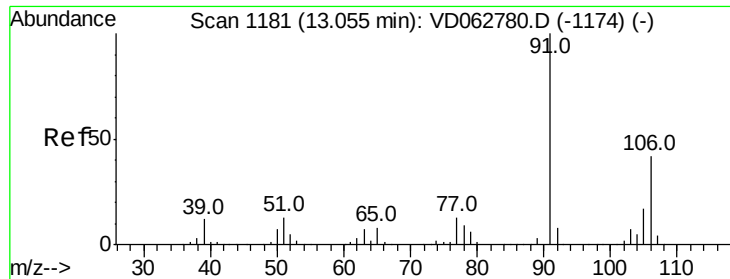
Tgt Ion: 106 Resp: 1215484

Ion Ratio Lower Upper

106 100

91 217.6 183.0 274.6

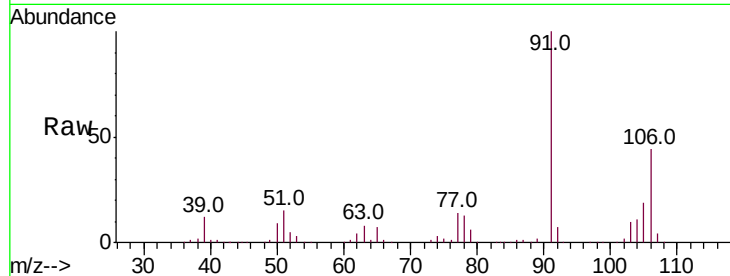




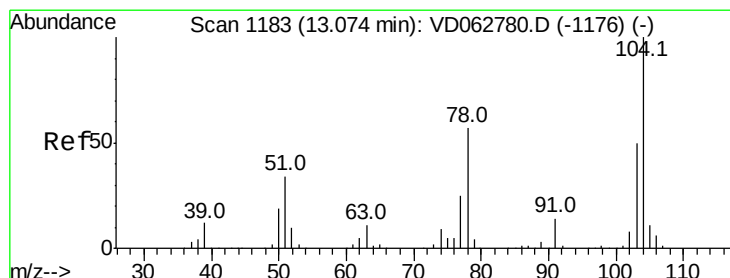
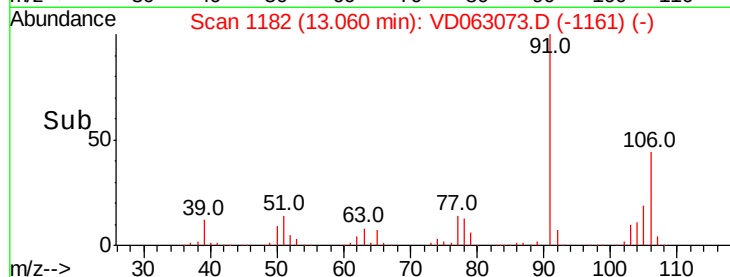
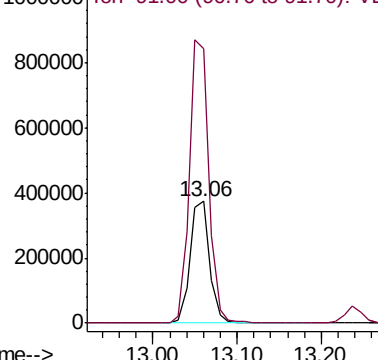
#69
o-Xylene
Concen: 58.572 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 595128
Ion Ratio Lower Upper
106 100
91 226.0 117.9 353.6

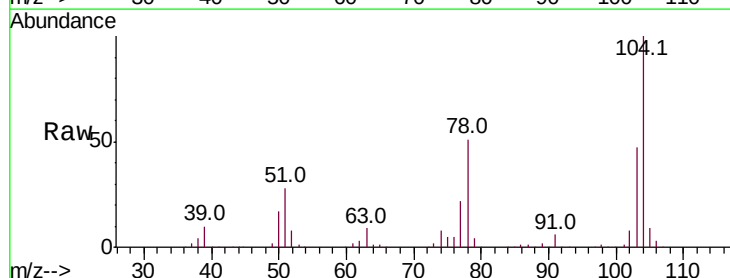


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

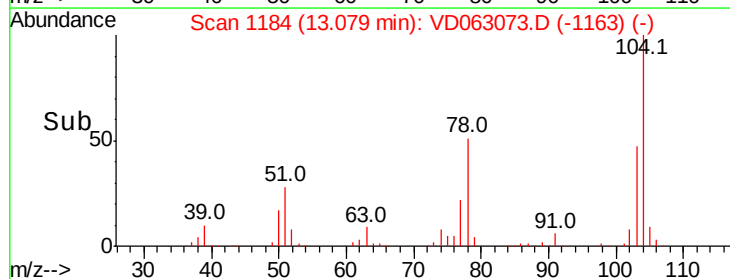
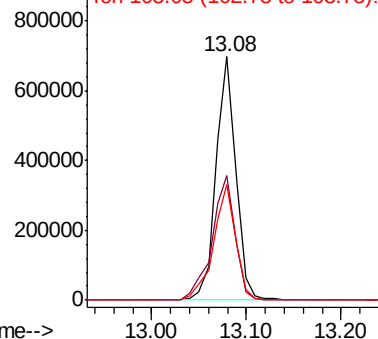


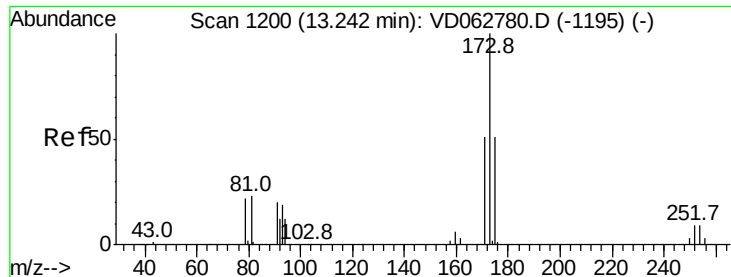
#70
Styrene
Concen: 56.537 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

Tgt Ion:104 Resp: 1008990
Ion Ratio Lower Upper
104 100
78 51.0 45.4 68.2
103 47.3 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: 58.603 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

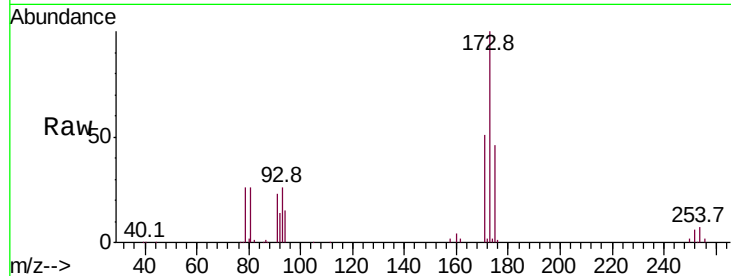
Tot Ion:173 Resp: 333755

Ion Ratio Lower Upper

173 100

175 45.5 25.3 75.9

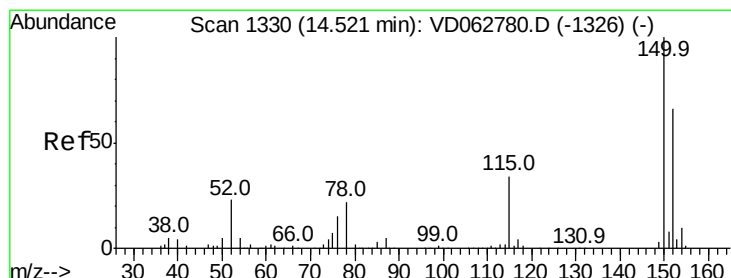
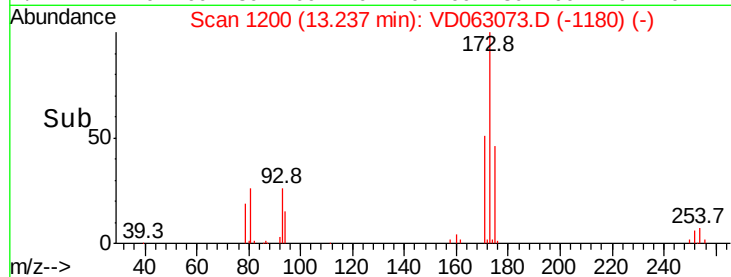
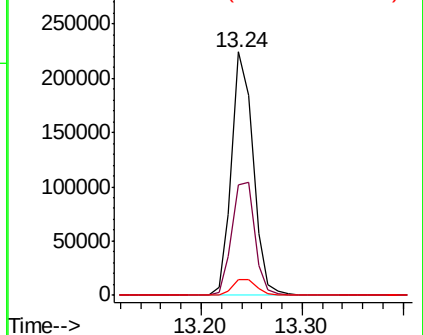
254 6.6 7.1 10.7#



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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

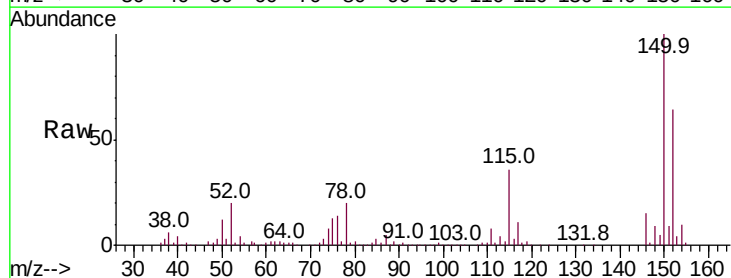
Tgt Ion:152 Resp: 527871

Ion Ratio Lower Upper

152 100

115 55.7 29.2 87.6

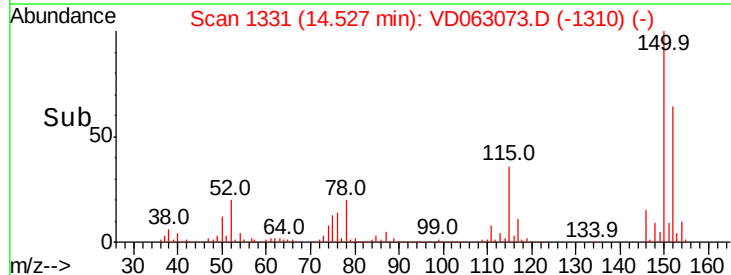
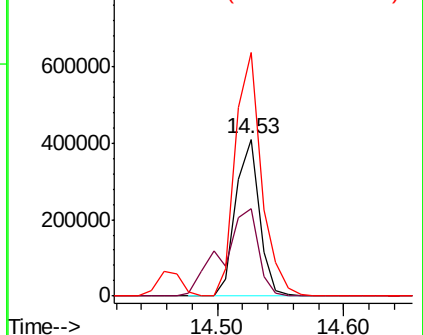
150 155.5 0.0 305.8

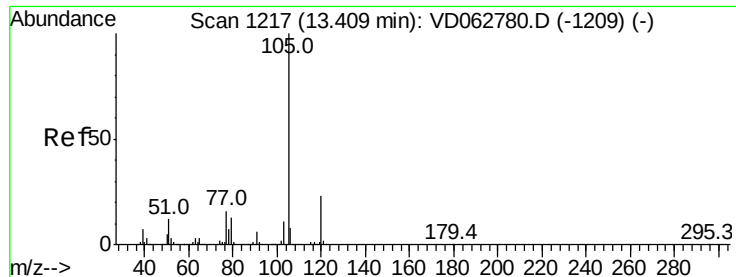


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.763 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

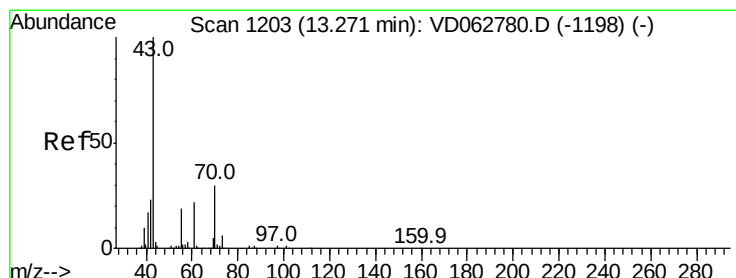
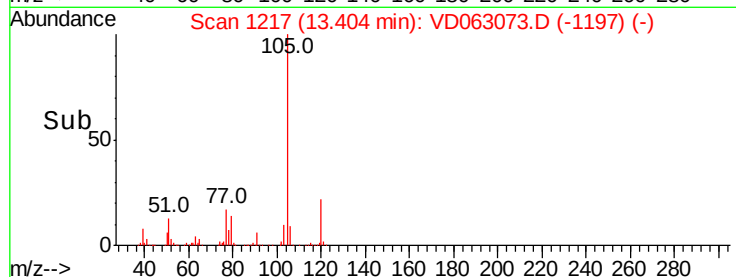
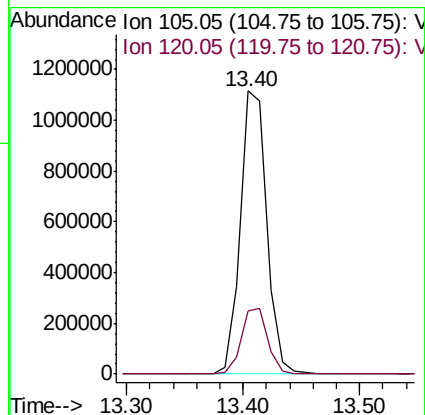
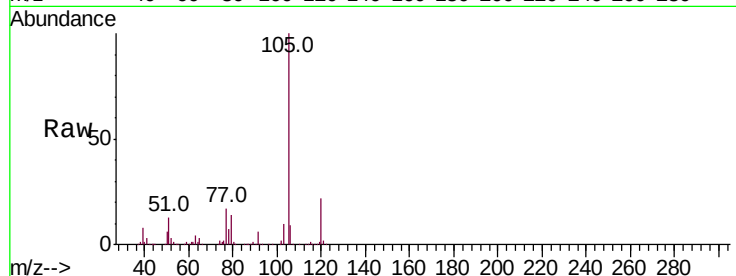
VSTDCCC050EC

Tot Ion:105 Resp: 1751966

Ion Ratio Lower Upper

105 100

120 22.2 11.6 34.7



#74

N-ethyl acetate

Concen: 60.234 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Tgt Ion: 43 Resp: 495090

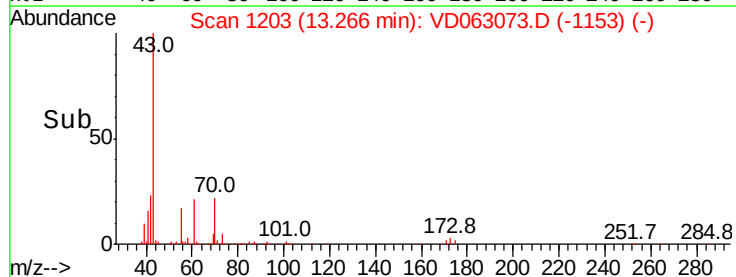
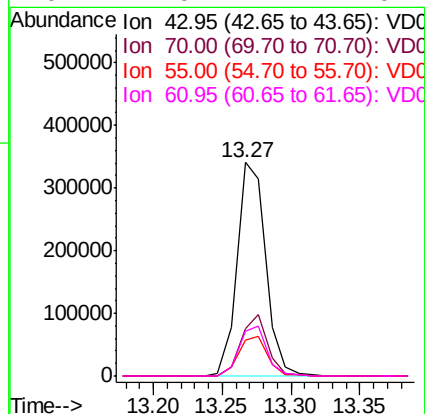
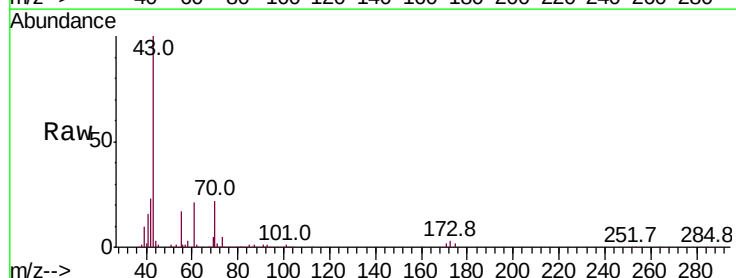
Ion Ratio Lower Upper

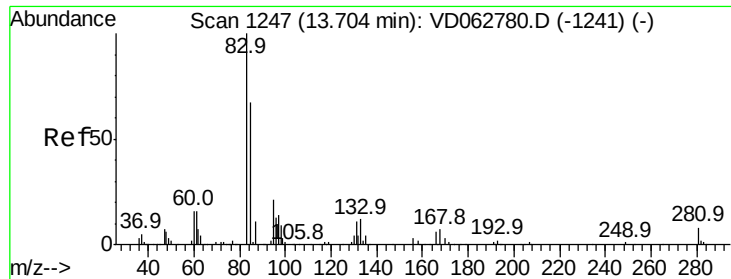
43 100

70 22.4 24.4 36.6#

55 17.1 15.2 22.8

61 21.0 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 60.571 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

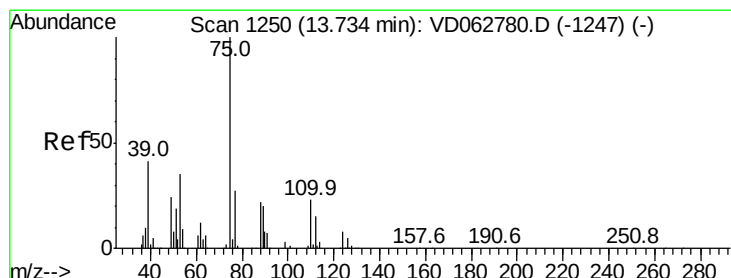
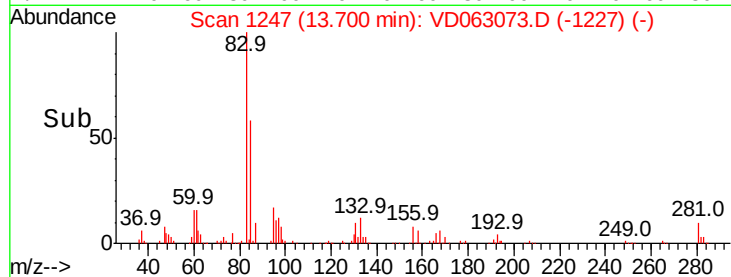
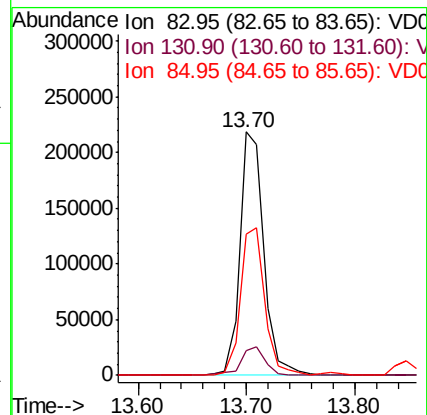
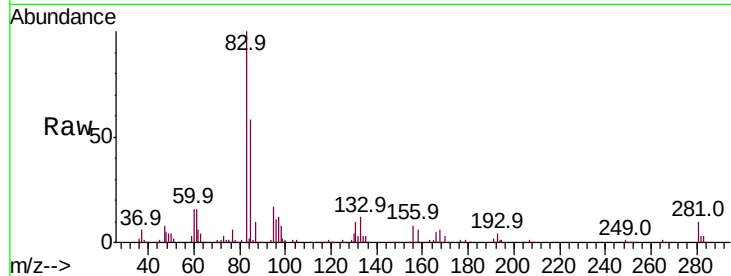
Tot Ion: 83 Resp: 334026

Ion Ratio Lower Upper

83 100

131 10.3 5.3 16.1

85 57.9 33.7 101.1



#76

1,2,3-Trichloropropane

Concen: 60.020 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063073.D

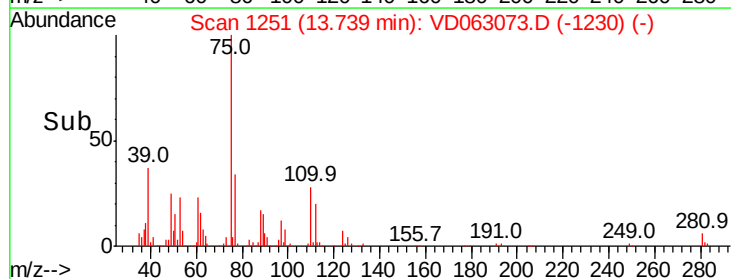
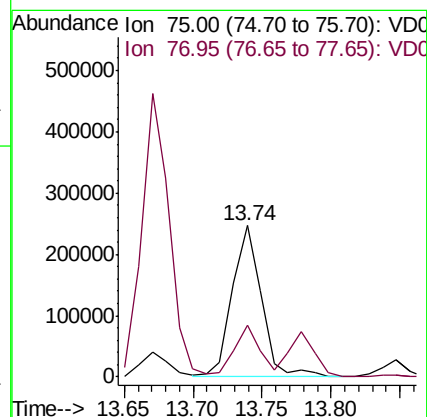
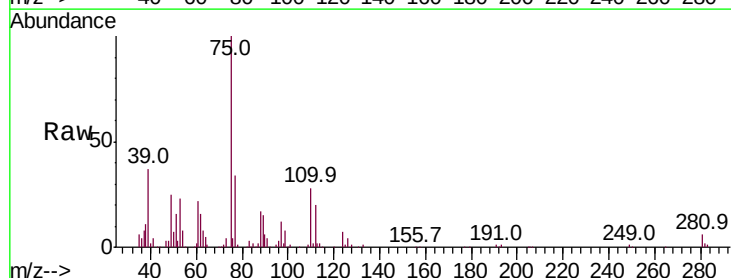
Acq: 12 Jul 2019 16:38

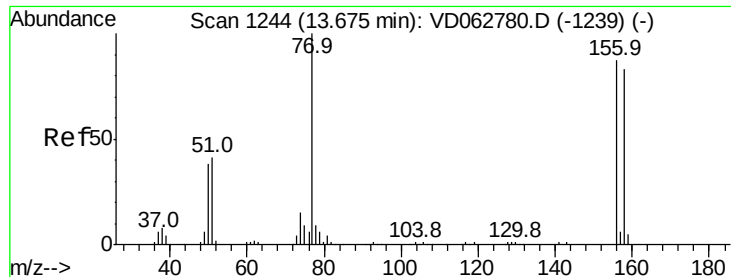
Tgt Ion: 75 Resp: 365754

Ion Ratio Lower Upper

75 100

77 33.9 15.0 45.1





#77

Bromobenzene

Concen: 55.423 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

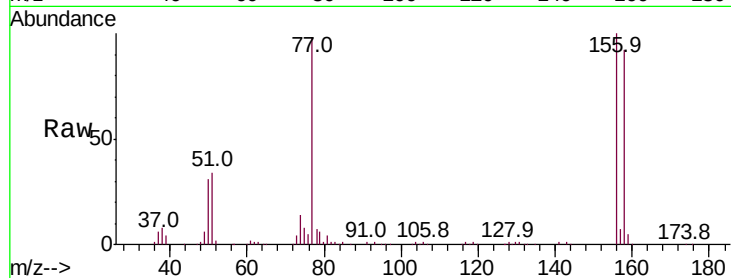
Tot Ion:156 Resp: 504546

Ion Ratio Lower Upper

156 100

77 97.7 57.7 173.1

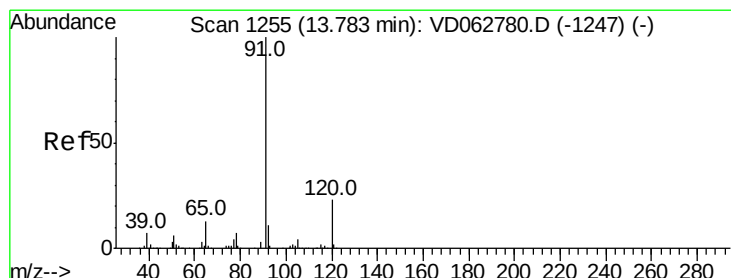
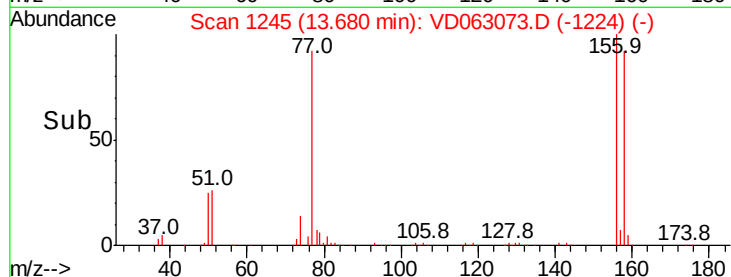
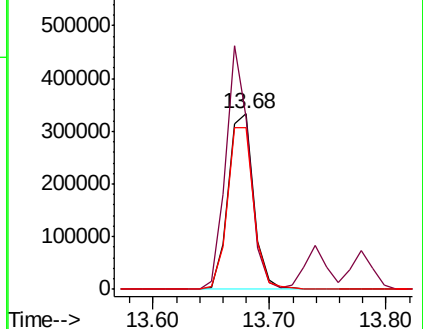
158 92.2 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 57.262 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD063073.D

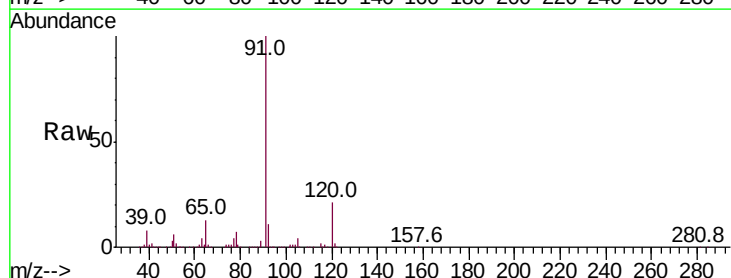
Acq: 12 Jul 2019 16:38

Tgt Ion: 91 Resp: 2255780

Ion Ratio Lower Upper

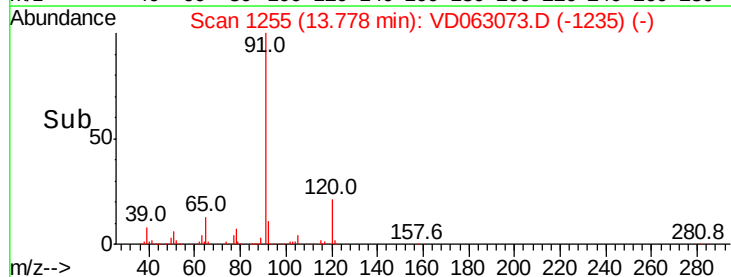
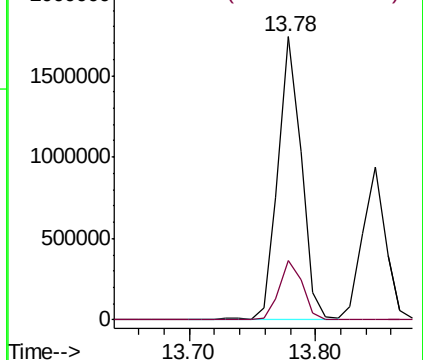
91 100

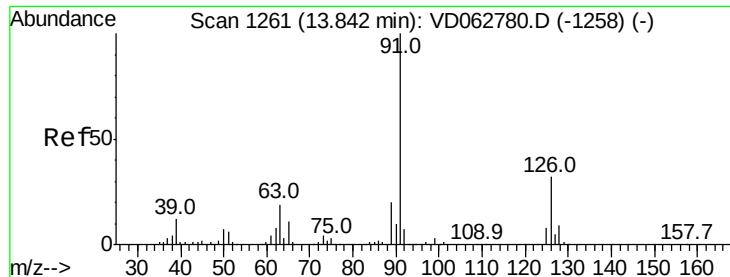
120 20.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

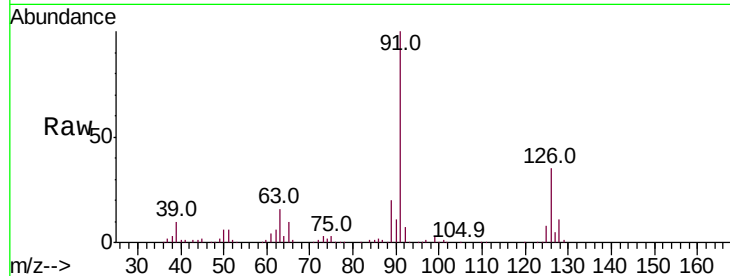




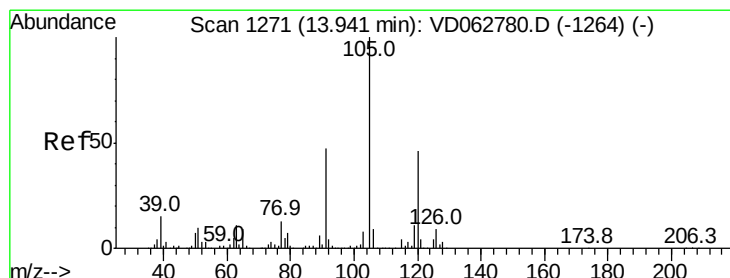
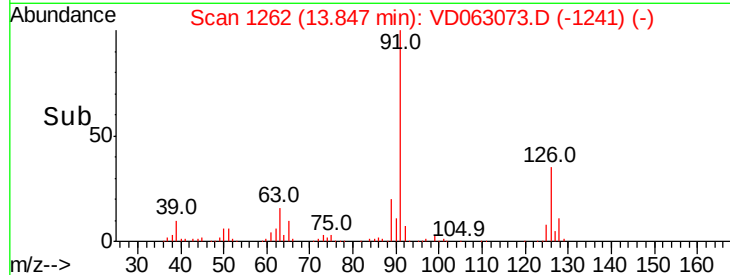
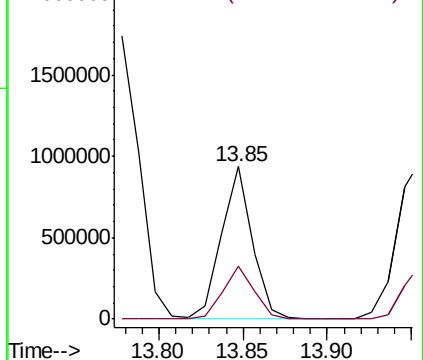
#79
 2-Chlorotoluene
 Concen: 52.902 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 1190971
 Ion Ratio Lower Upper
 91 100
 126 35.0 15.7 47.1

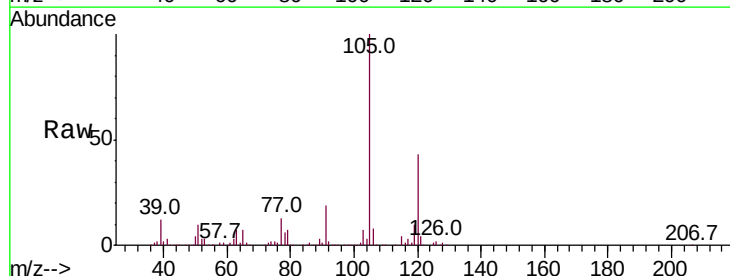


Abundance Ion 91.00 (90.70 to 91.70): VDC
 Ion 125.95 (125.65 to 126.65): V

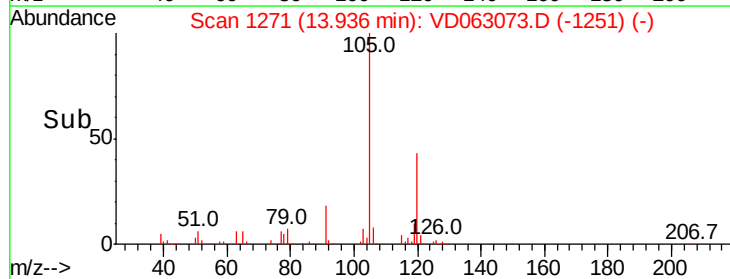
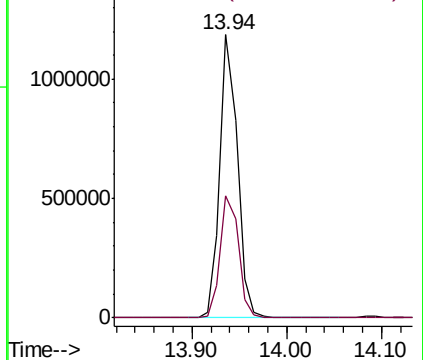


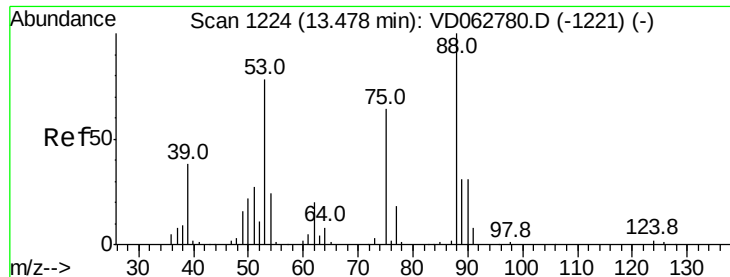
#80
 1,3,5-Trimethylbenzene
 Concen: 53.827 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

Tgt Ion:105 Resp: 1530268
 Ion Ratio Lower Upper
 105 100
 120 43.2 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: 60.478 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

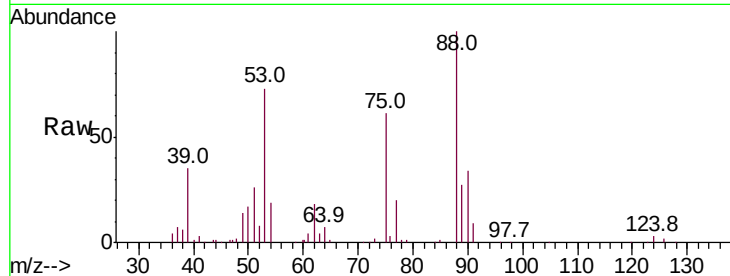
Tot Ion: 75 Resp: 96591

Ion Ratio Lower Upper

75 100

53 118.5 97.8 146.8

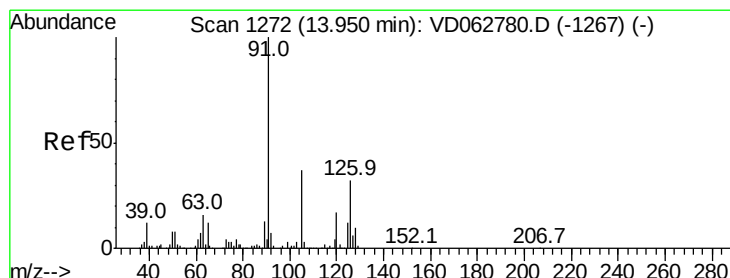
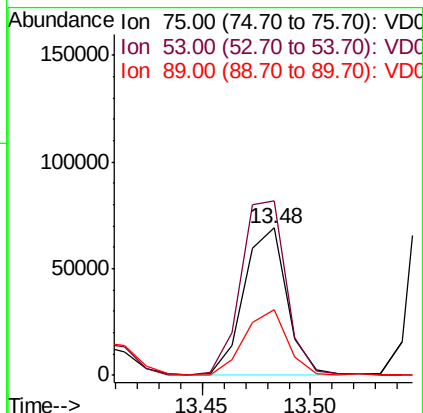
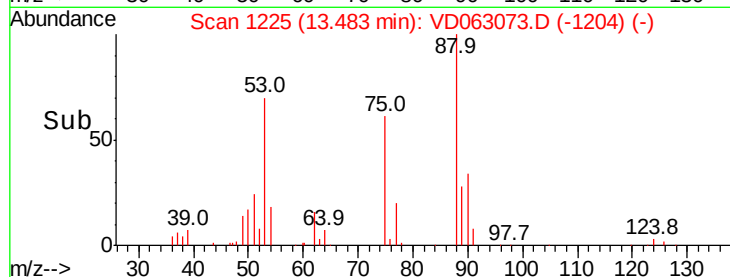
89 44.7 39.4 59.2



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: 52.509 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD063073.D

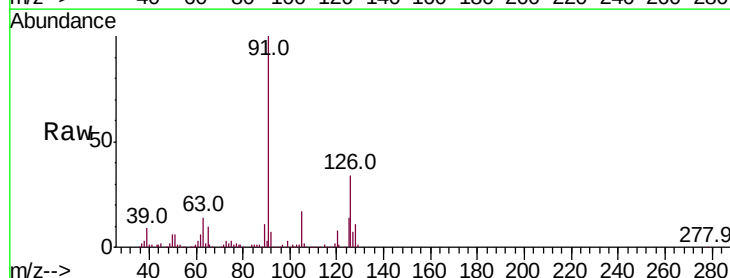
Acq: 12 Jul 2019 16:38

Tgt Ion: 91 Resp: 1423171

Ion Ratio Lower Upper

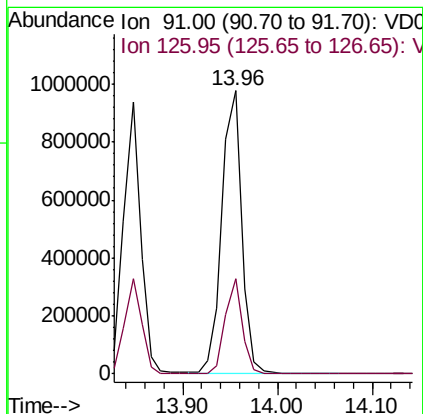
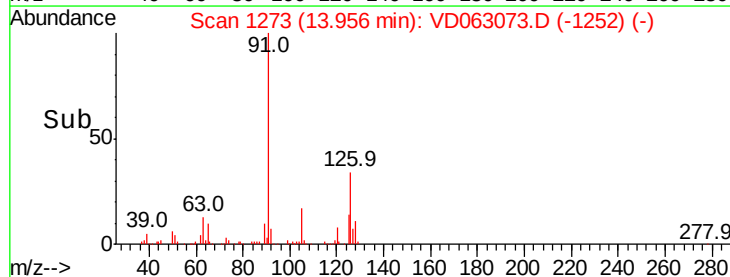
91 100

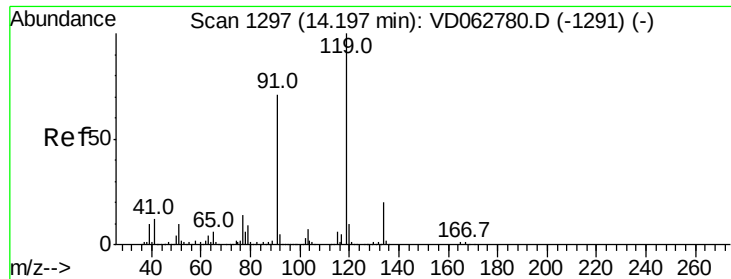
126 33.9 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 56.487 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

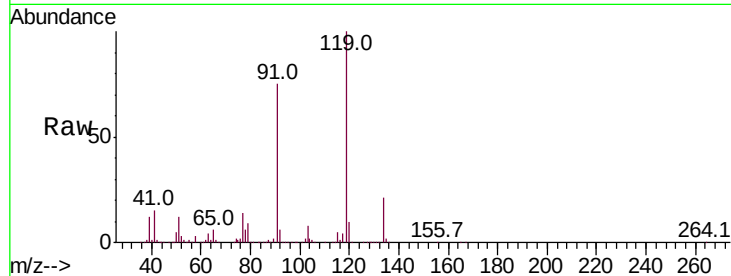
Tot Ion:119 Resp: 1790026

Ion Ratio Lower Upper

119 100

91 74.6 35.5 106.5

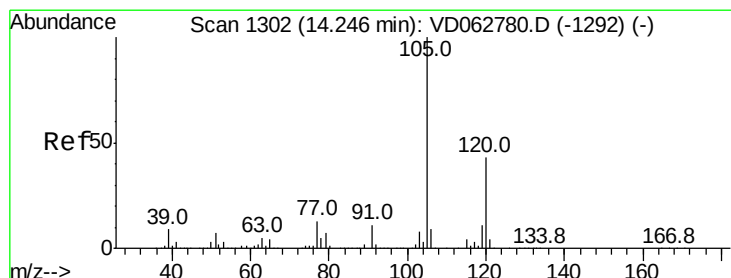
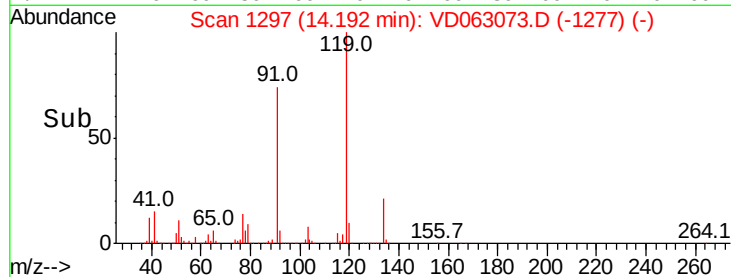
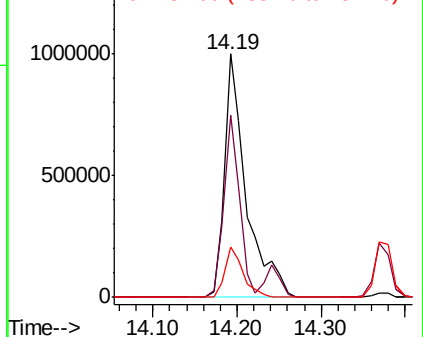
134 20.6 10.2 30.6



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: 54.723 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD063073.D

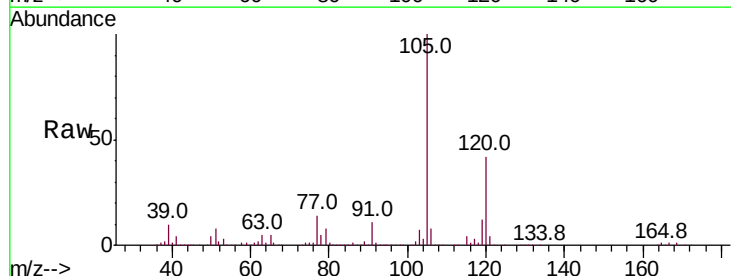
Acq: 12 Jul 2019 16:38

Tgt Ion:105 Resp: 1594561

Ion Ratio Lower Upper

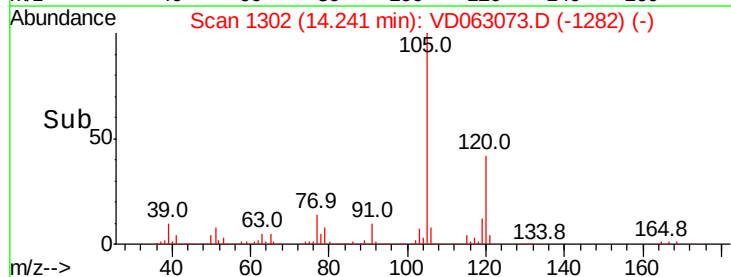
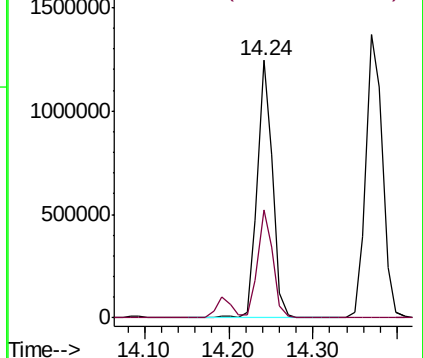
105 100

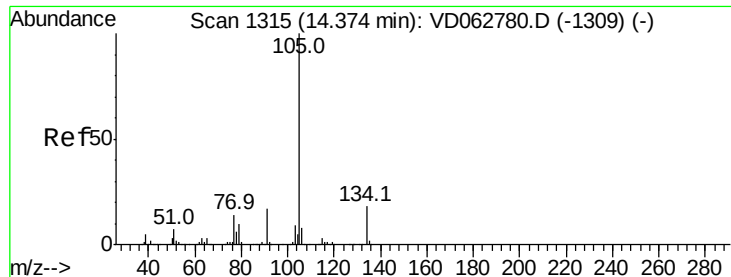
120 41.8 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 54.453 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

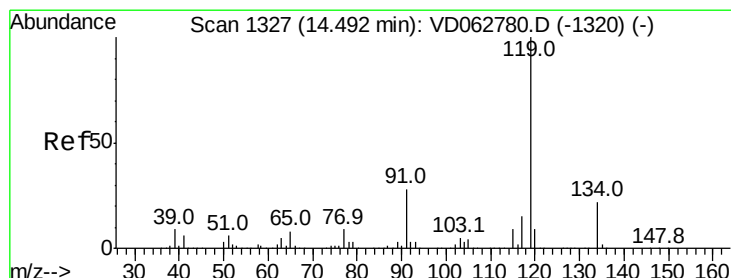
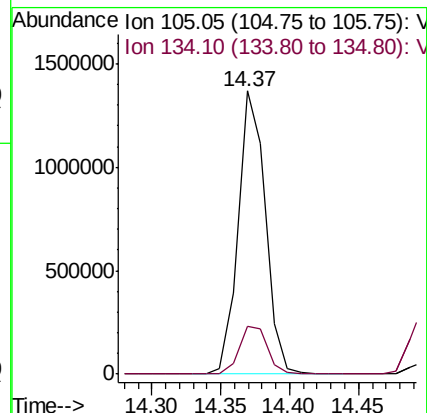
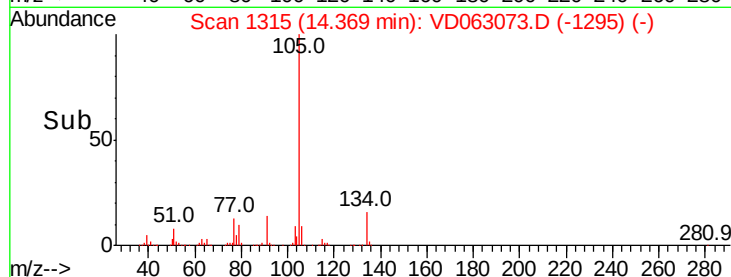
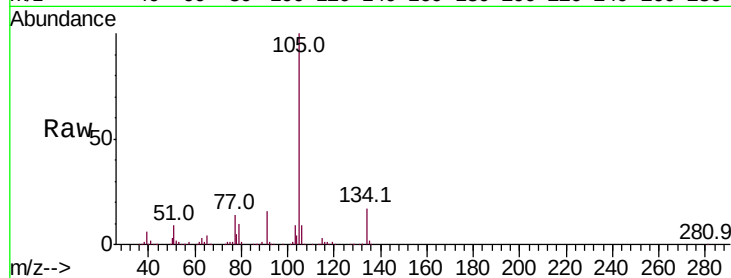
VSTDCCC050EC

Tot Ion:105 Resp: 1875460

Ion Ratio Lower Upper

105 100

134 16.7 9.1 27.3



#86

p-Isopropyltoluene

Concen: 55.303 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

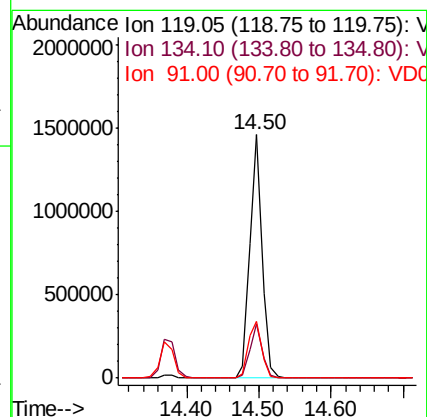
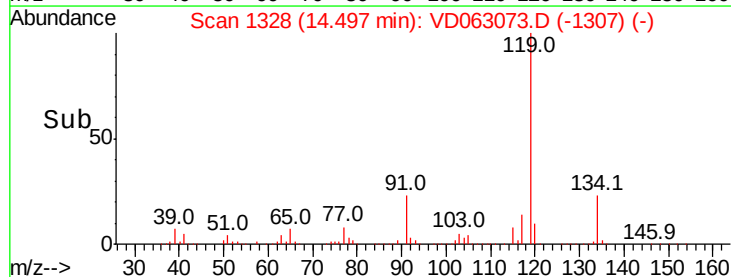
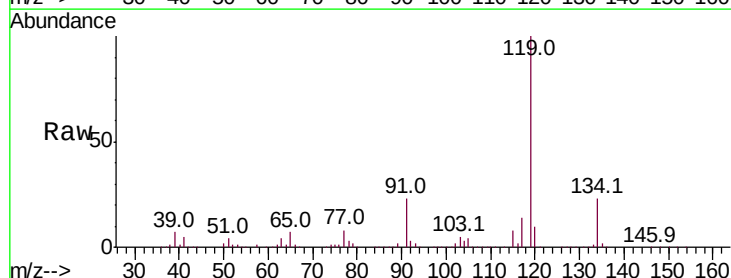
Tgt Ion:119 Resp: 1742523

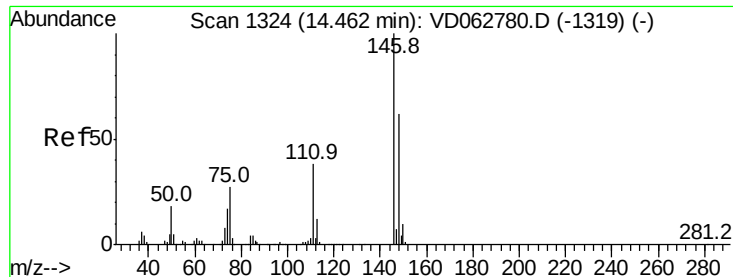
Ion Ratio Lower Upper

119 100

134 22.5 11.1 33.1

91 23.4 14.0 41.9





#87

1,3-Dichlorobenzene

Concen: 54.943 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

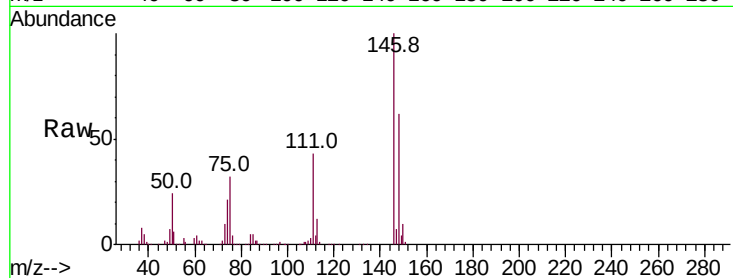
Tot Ion:146 Resp: 896604

Ion Ratio Lower Upper

146 100

111 43.3 19.0 57.0

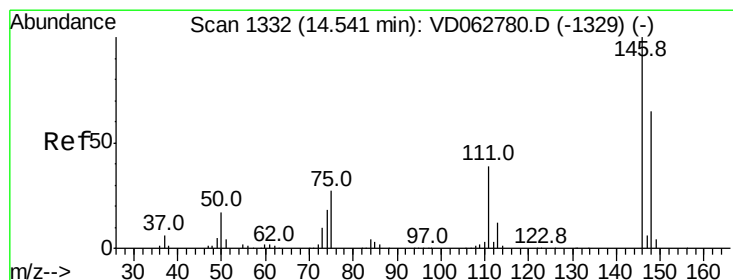
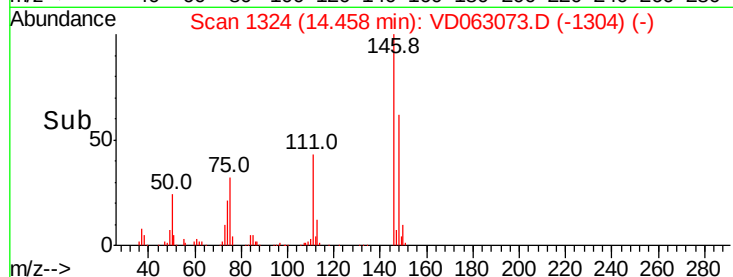
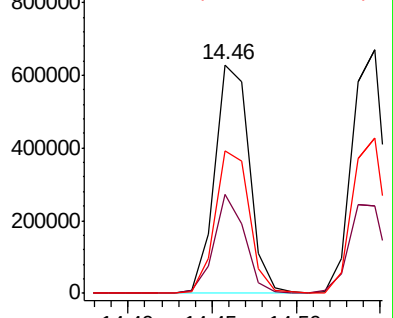
148 62.4 30.8 92.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 55.603 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD063073.D

Acq: 12 Jul 2019 16:38

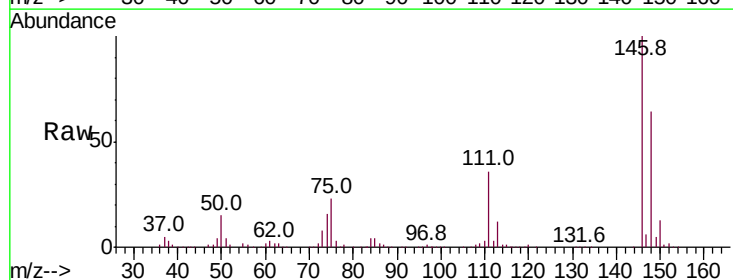
Tgt Ion:146 Resp: 911373

Ion Ratio Lower Upper

146 100

111 36.1 19.7 59.1

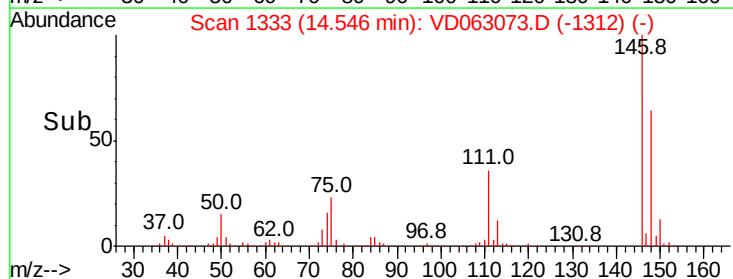
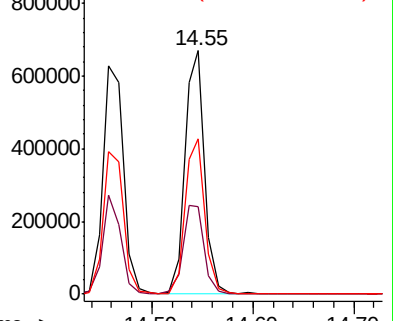
148 63.7 32.8 98.3

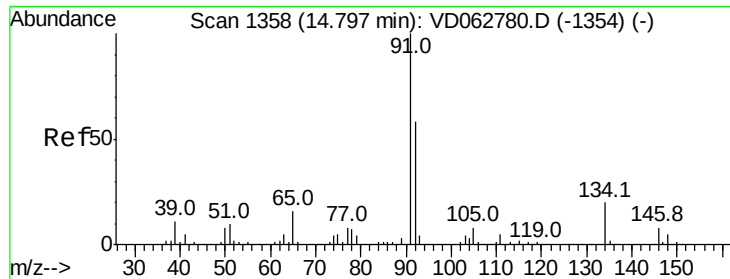


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

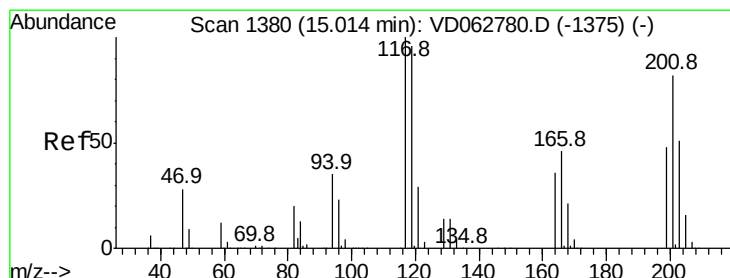
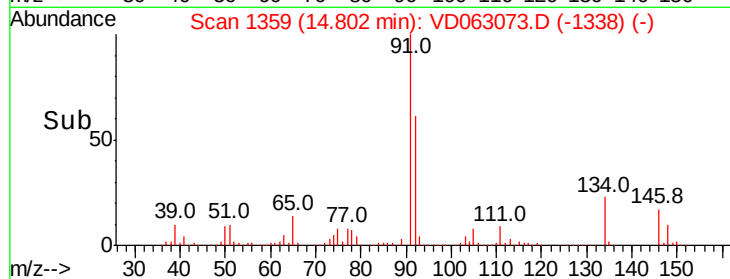
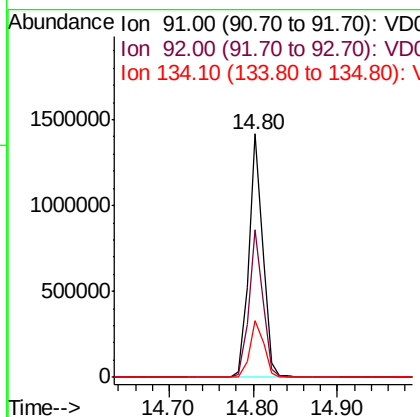
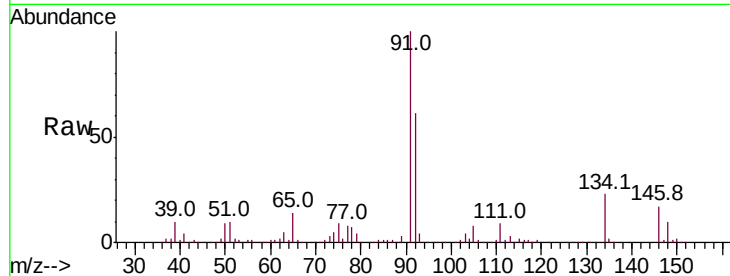




#89
n-Butylbenzene
Concen: 54.966 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

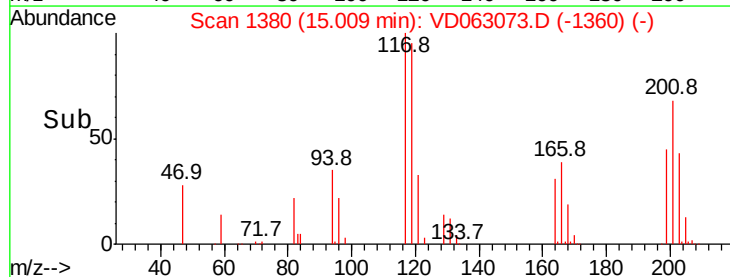
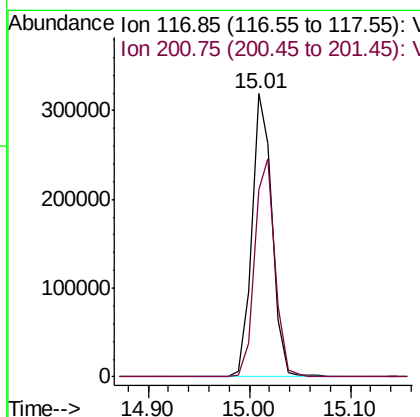
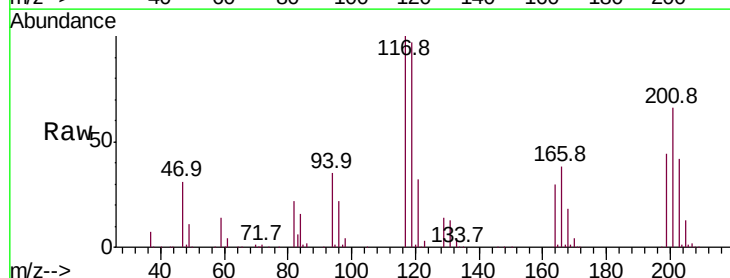
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

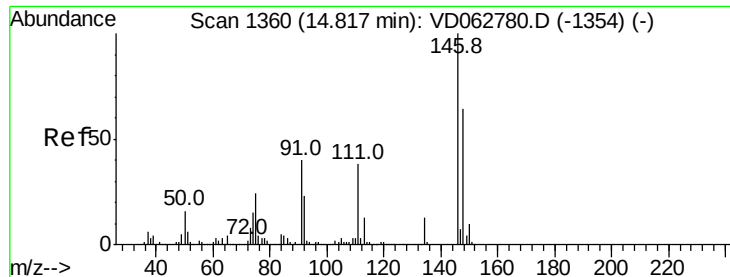
Tot Ion: 91 Resp: 1621003
Ion Ratio Lower Upper
91 100
92 60.5 28.9 86.7
134 23.5 10.1 30.3



#90
Hexachloroethane
Concen: 53.083 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

Tgt Ion: 117 Resp: 449701
Ion Ratio Lower Upper
117 100
201 66.4 40.8 122.2

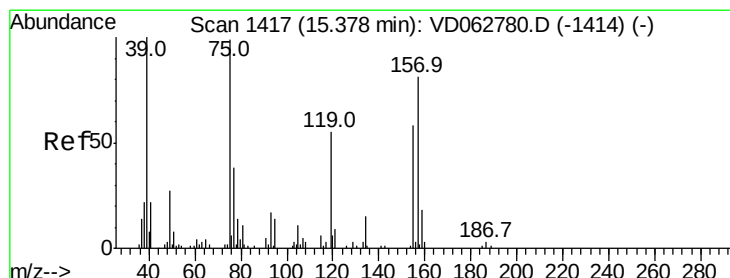
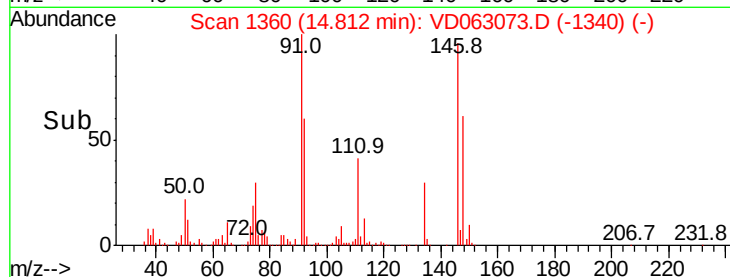
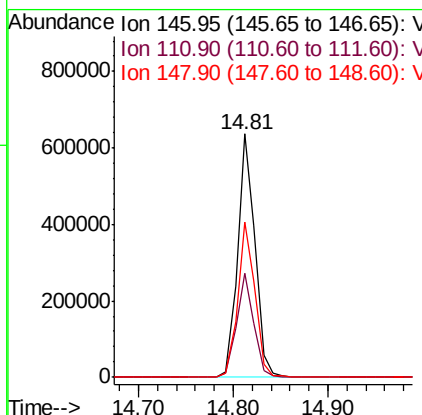
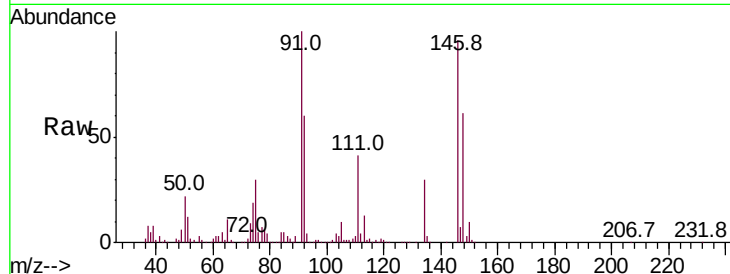




#91
 1,2-Dichlorobenzene
 Concen: 57.751 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

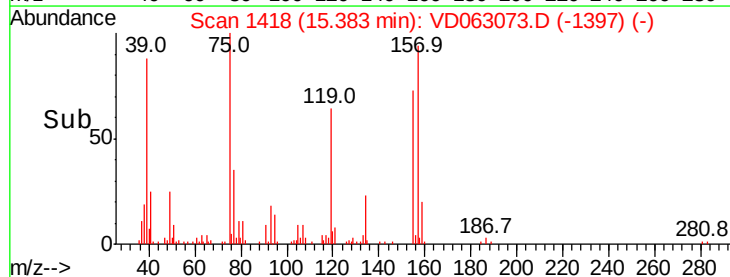
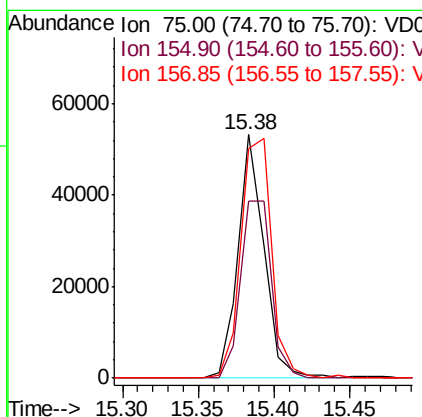
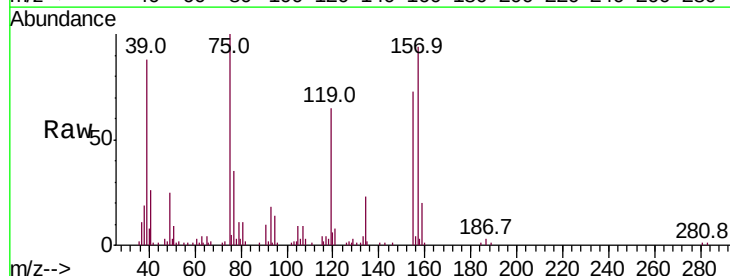
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

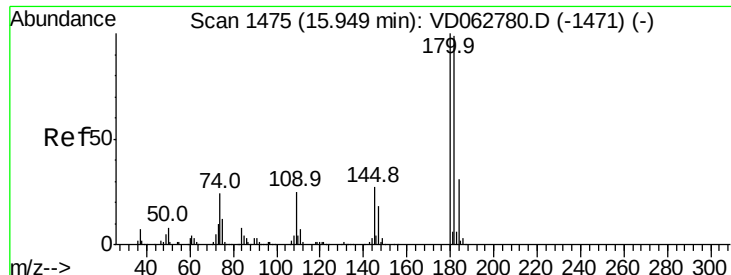
Tot Ion:146 Resp: 806329
 Ion Ratio Lower Upper
 146 100
 111 42.9 19.1 57.1
 148 63.8 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.707 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

Tgt Ion: 75 Resp: 63189
 Ion Ratio Lower Upper
 75 100
 155 72.8 29.3 87.8
 157 94.1 41.3 123.7

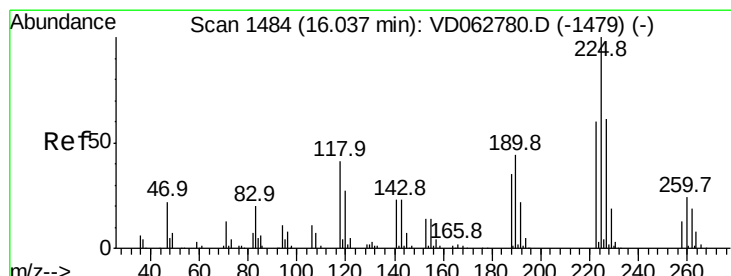
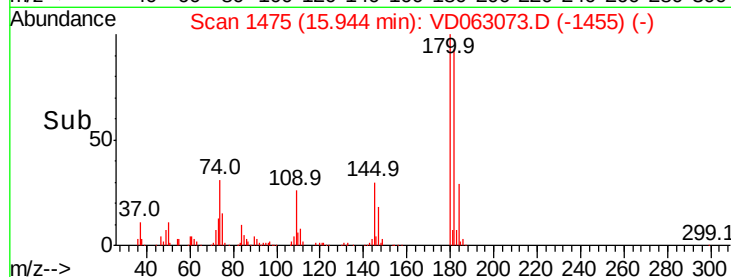
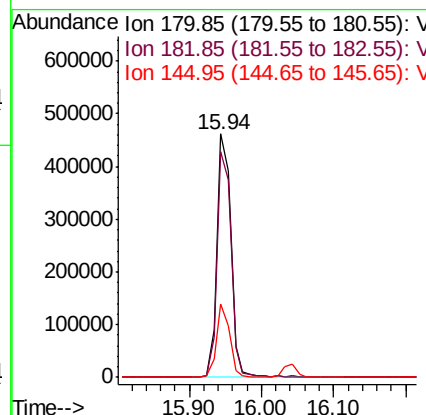
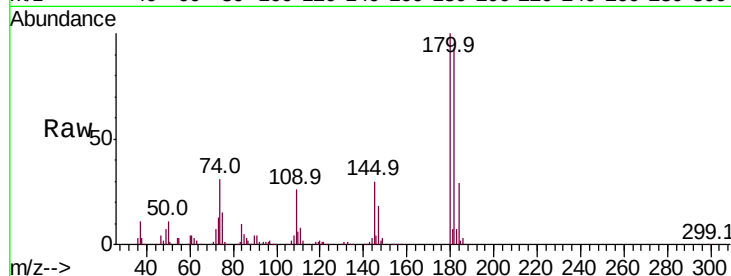




#93
 1,2,4-Trichlorobenzene
 Concen: 56.566 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

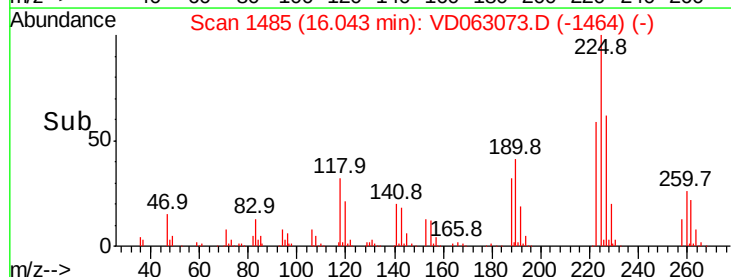
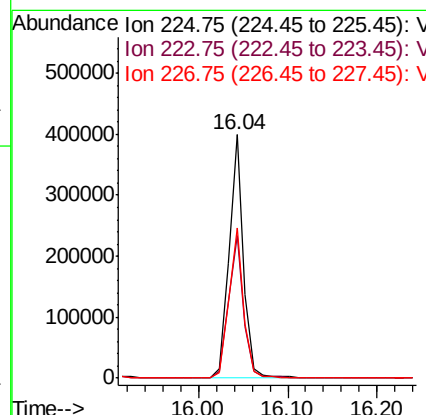
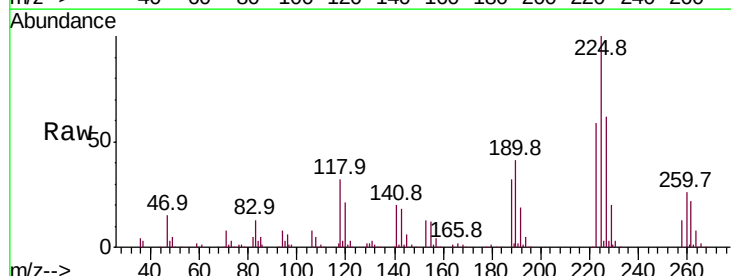
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

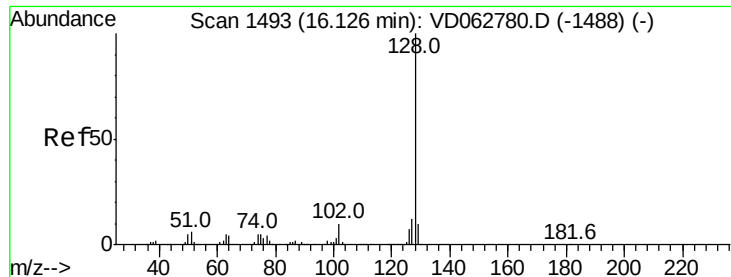
Tot Ion:180 Resp: 616950
 Ion Ratio Lower Upper
 180 100
 182 92.9 49.5 148.5
 145 30.4 13.7 41.0



#94
 Hexachlorobutadiene
 Concen: 54.856 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063073.D
 Acq: 12 Jul 2019 16:38

Tgt Ion:225 Resp: 457075
 Ion Ratio Lower Upper
 225 100
 223 58.5 29.8 89.5
 227 61.9 30.6 91.6

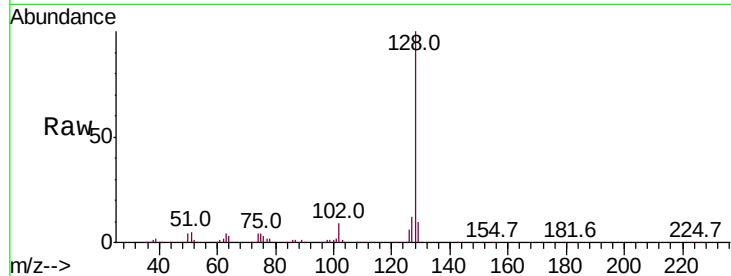




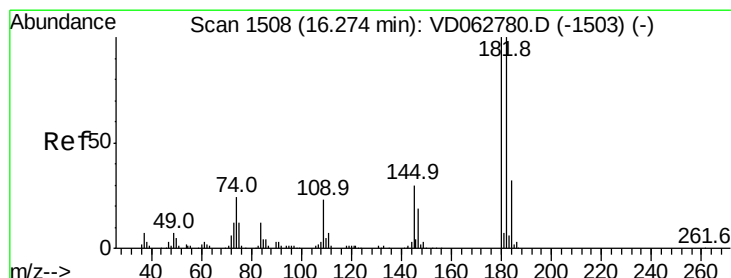
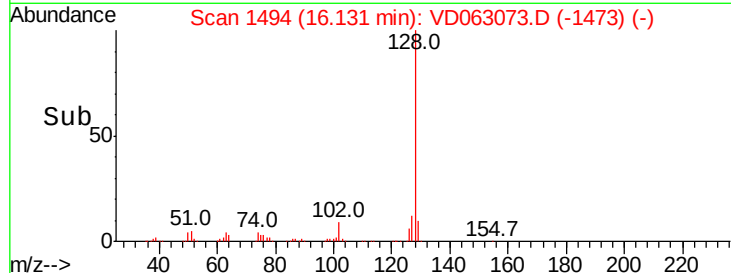
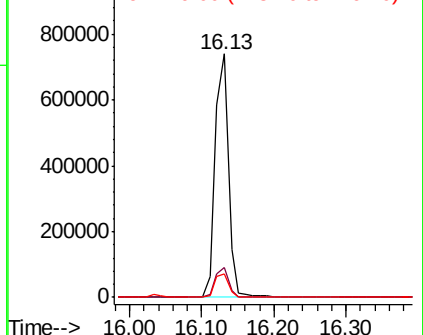
#95
Naphthalene
Concen: 61.403 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 938661
Ion Ratio Lower Upper
128 100
127 12.4 9.7 14.5
129 9.9 8.3 12.5

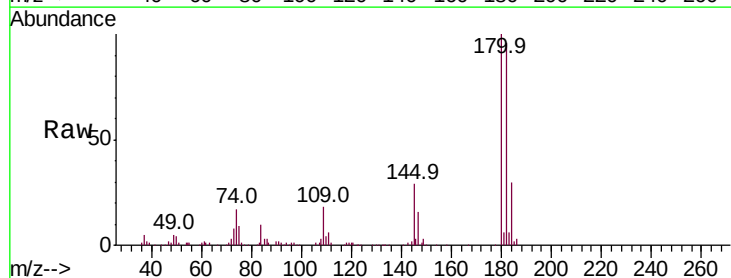


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 61.537 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD063073.D
Acq: 12 Jul 2019 16:38

Tgt Ion:180 Resp: 515683
Ion Ratio Lower Upper
180 100
182 95.9 49.9 149.6
145 29.1 15.2 45.5



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

