

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080519\
 Data File : VD063375.D
 Acq On : 5 Aug 2019 11:43
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 06 07:47:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1176350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1566394	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1271469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	690262	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	608589	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	
35) Dibromofluoromethane	6.92	113	673429	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	10.40	98	1566422	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	13.55	95	655146	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	662779	46.093	ug/l	100
3) Chloromethane	1.74	50	539130	48.258	ug/l	97
4) Vinyl Chloride	1.84	62	561311	48.534	ug/l	98
5) Bromomethane	2.14	94	252775	43.336	ug/l	99
6) Chloroethane	2.26	64	274598	51.426	ug/l	91
7) Trichlorofluoromethane	2.53	101	1129467	50.340	ug/l	100
8) Diethyl Ether	2.86	74	151994	48.404	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.14	101	623657	50.179	ug/l	95
10) Methyl Iodide	3.29	142	901049	50.185	ug/l	100
11) Tert butyl alcohol	4.07	59	125335	218.805	ug/l #	86
12) 1,1-Dichloroethene	3.12	96	474424	51.996	ug/l	82
13) Acrolein	3.03	56	129711	235.290	ug/l	96
14) Allyl chloride	3.61	41	742050	51.052	ug/l	94
15) Acrylonitrile	4.19	53	398693	268.467	ug/l	99
16) Acetone	3.22	43	781956	307.472	ug/l	99
17) Carbon Disulfide	3.36	76	1496527	49.003	ug/l	98
18) Methyl Acetate	3.63	43	239490	49.025	ug/l	100
19) Methyl tert-butyl Ether	4.23	73	1111360	53.922	ug/l	99
20) Methylene Chloride	3.81	84	500433	48.681	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	544367	53.173	ug/l	91
22) Diisopropyl ether	5.12	45	1591563	54.806	ug/l	97
23) Vinyl Acetate	5.05	43	4790213	268.347	ug/l	99
24) 1,1-Dichloroethane	4.98	63	942067	50.787	ug/l	98
25) 2-Butanone	6.06	43	687269	269.275	ug/l	92
26) 2,2-Dichloropropane	6.01	77	1007576	52.709	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	563031	51.295	ug/l	91
28) Bromochloromethane	6.43	49	341583	46.219	ug/l #	96
29) Tetrahydrofuran	6.46	42	310752	257.164	ug/l	99
30) Chloroform	6.65	83	1124067	48.830	ug/l	93
31) Cyclohexane	6.95	56	604089	51.957	ug/l	93
32) 1,1,1-Trichloroethane	6.86	97	1114568	50.056	ug/l	97
36) 1,1-Dichloropropene	7.14	75	791468	55.366	ug/l	95
37) Ethyl Acetate	6.18	43	331075	51.551	ug/l #	97
38) Carbon Tetrachloride	7.10	117	1285125	59.715	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	662123	55.592	ug/l	96
40) Benzene	7.45	78	1645415	54.920	ug/l	100
41) Methacrylonitrile	6.45	41	414526	53.958	ug/l #	88
42) 1,2-Dichloroethane	7.58	62	850367	53.555	ug/l	99
43) Isopropyl Acetate	9.24	43	451172	54.995	ug/l #	100
44) Trichloroethene	8.53	130	640403	52.750	ug/l	95
45) 1,2-Dichloropropane	8.94	63	393316	51.649	ug/l	97
46) Dibromomethane	9.05	93	332970	52.586	ug/l	91
47) Bromodichloromethane	9.37	83	889694	55.121	ug/l	94
48) Methyl methacrylate	9.12	41	287290	53.995	ug/l	93
49) 1,4-Dioxane	9.07	88	51103	1134.356	ug/l	90
51) 4-Methyl-2-Pentanone	10.29	43	1526899	273.673	ug/l	99
52) Toluene	10.51	92	1095534	54.978	ug/l	92
53) t-1,3-Dichloropropene	10.90	75	758425	54.503	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	775917	53.055	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	357295	53.091	ug/l	94
56) Ethyl methacrylate	11.04	69	413532	56.115	ug/l	98
57) 1,3-Dichloropropane	11.41	76	590973	55.733	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	878152	229.007	ug/l	96
59) 2-Hexanone	11.53	43	1178583	293.131	ug/l	96
60) Dibromochloromethane	11.68	129	684094	53.845	ug/l	98
61) 1,2-Dibromoethane	11.80	107	453246	54.580	ug/l	96
64) Tetrachloroethene	11.26	164	568604	56.134	ug/l	99
65) Chlorobenzene	12.40	112	1370985	56.059	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	605210	56.180	ug/l	96
67) Ethyl Benzene	12.52	91	2361501	56.842	ug/l	99
68) m/p-Xylenes	12.67	106	1677200	110.082	ug/l	97
69) o-Xylene	13.05	106	762739	54.515	ug/l	93
70) Styrene	13.07	104	1382337	55.711	ug/l	98
71) Bromoform	13.24	173	431907	55.132	ug/l	98
73) Isopropylbenzene	13.41	105	2313878	53.410	ug/l	97
74) N-amyl acetate	13.27	43	591122	51.614	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	422619	57.429	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	457748	55.211	ug/l	99
77) Bromobenzene	13.67	156	661797	53.624	ug/l	87
78) n-propylbenzene	13.77	91	2755495	53.447	ug/l	97
79) 2-Chlorotoluene	13.84	91	1631330	54.609	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	1886536	50.488	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	119433	51.877	ug/l	99
82) 4-Chlorotoluene	13.95	91	1834469	52.180	ug/l	98
83) tert-Butylbenzene	14.19	119	2302480	53.967	ug/l	87
84) 1,2,4-Trimethylbenzene	14.23	105	2046088	52.940	ug/l	100
85) sec-Butylbenzene	14.37	105	2511754	55.878	ug/l	95
86) p-Isopropyltoluene	14.49	119	2099958	48.946	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1203198	55.052	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	1150304	52.048	ug/l	99
89) n-Butylbenzene	14.79	91	2090531	56.417	ug/l	95
90) Hexachloroethane	15.01	117	618929	55.371	ug/l	78
91) 1,2-Dichlorobenzene	14.80	146	1020904	53.612	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	80515	53.713	ug/l	92

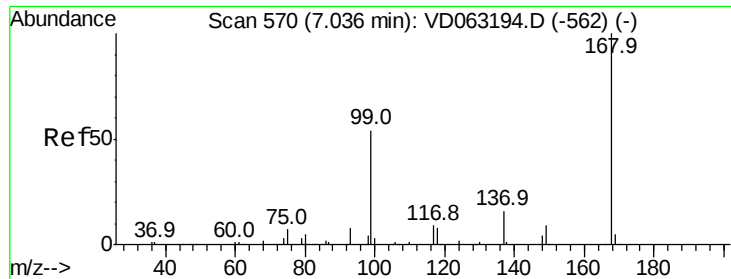
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080519\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	865067	57.265	ug/l	99
94) Hexachlorobutadiene	16.03	225	608740	55.606	ug/l	99
95) Naphthalene	16.12	128	1114927	52.218	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	647170	54.229	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

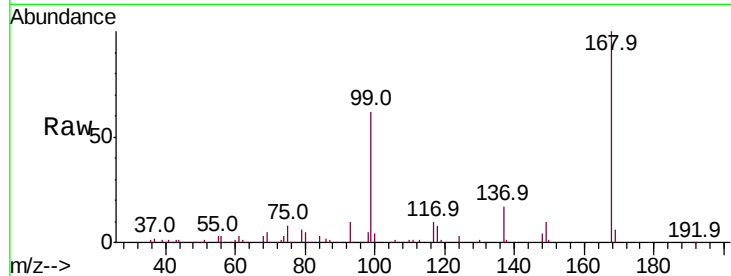
VSTDCCC050

Tot Ion:168 Resp: 1176350

Ion Ratio Lower Upper

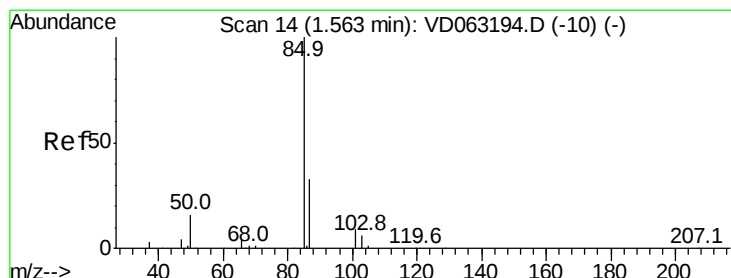
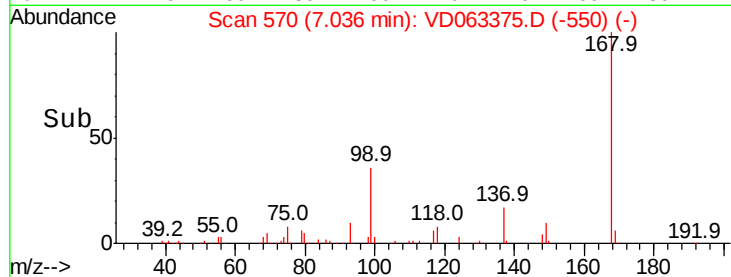
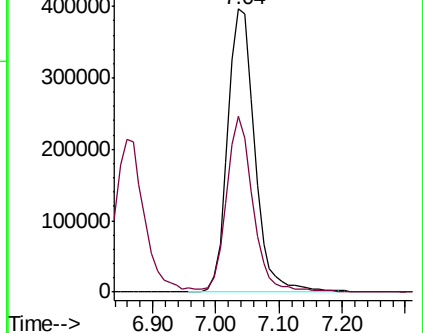
168 100

99 62.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 46.093 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063375.D

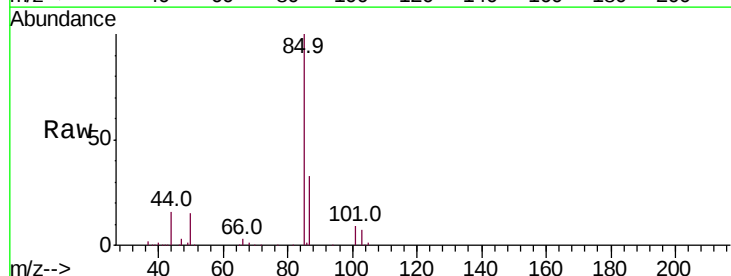
Acq: 5 Aug 2019 11:43

Tgt Ion: 85 Resp: 662779

Ion Ratio Lower Upper

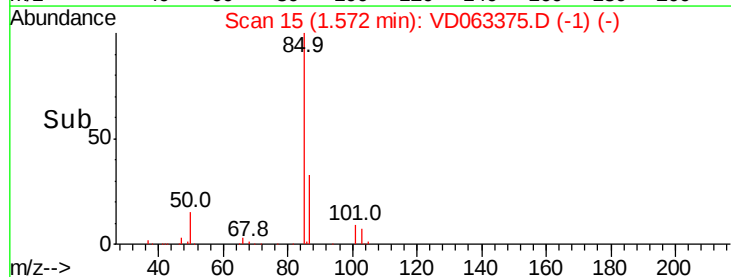
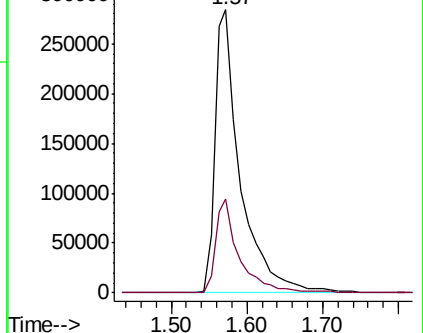
85 100

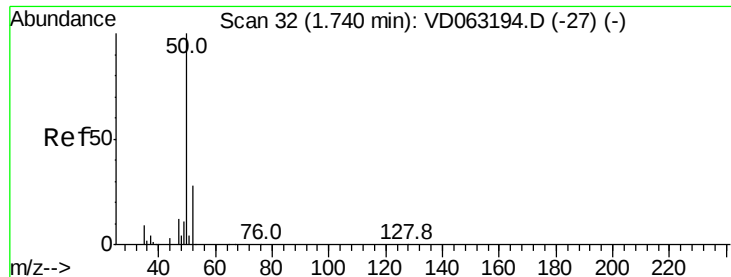
87 33.3 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.258 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

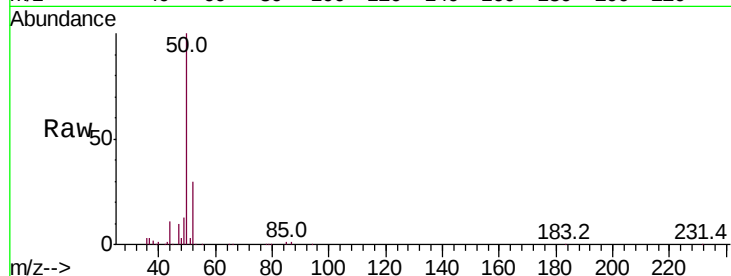
VSTDCCC050

Tot Ion: 50 Resp: 539130

Ion Ratio Lower Upper

50 100

52 29.9 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

200000

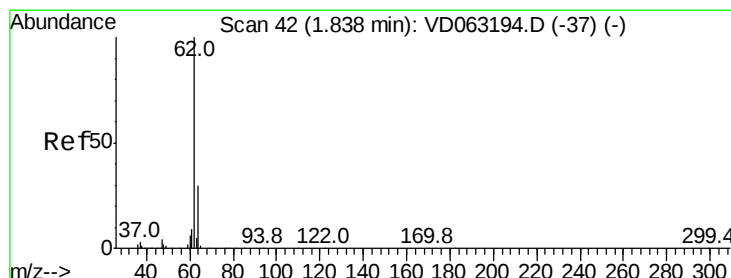
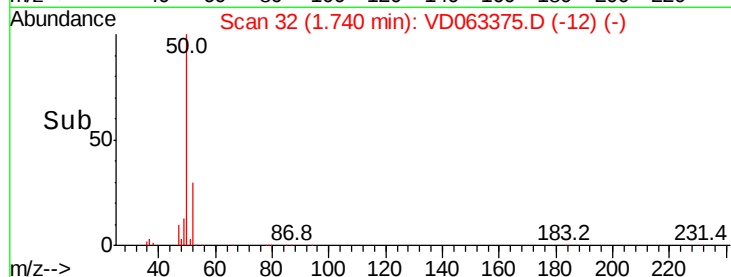
150000

100000

50000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 48.534 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063375.D

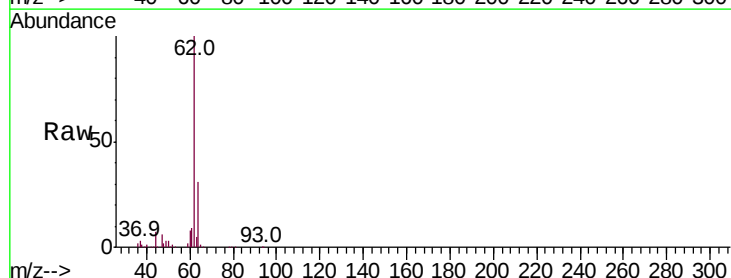
Acq: 5 Aug 2019 11:43

Tgt Ion: 62 Resp: 561311

Ion Ratio Lower Upper

62 100

64 31.1 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

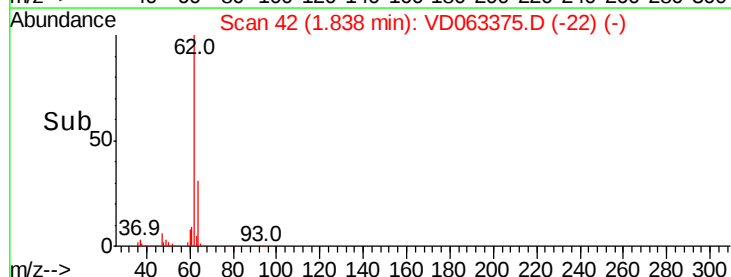
300000

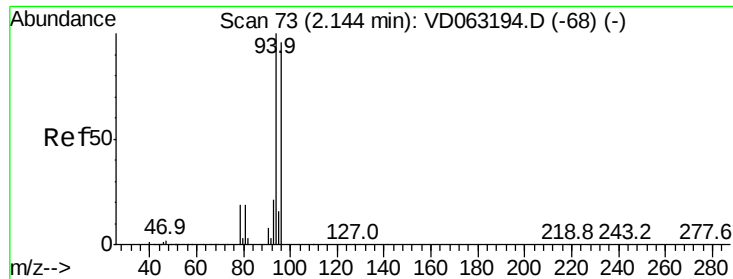
200000

100000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 43.336 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

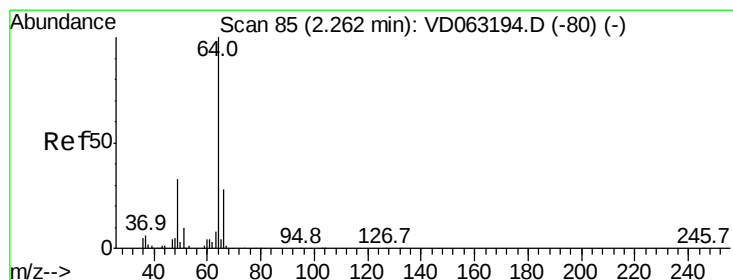
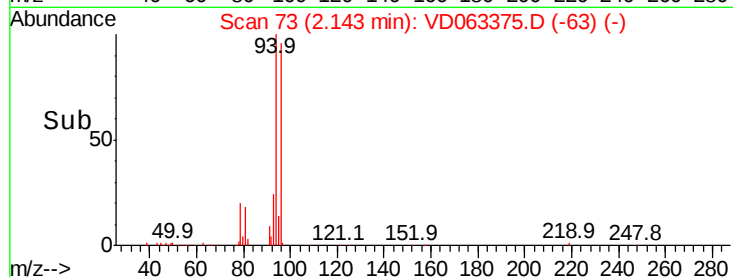
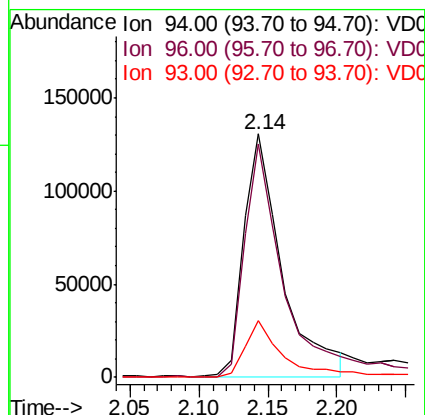
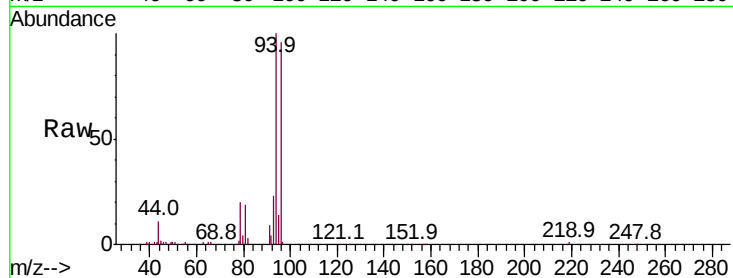
Tot Ion: 94 Resp: 252775

Ion Ratio Lower Upper

94 100

96 95.9 76.4 114.6

93 23.4 17.3 25.9



#6

Chloroethane

Concen: 51.426 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063375.D

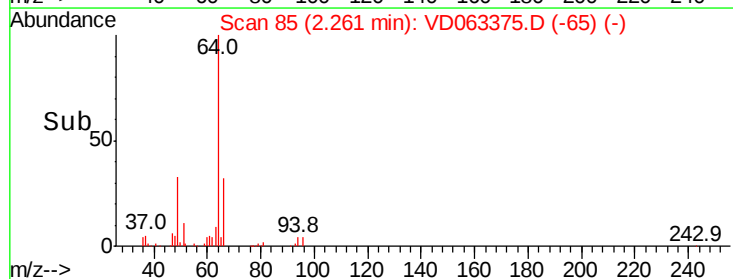
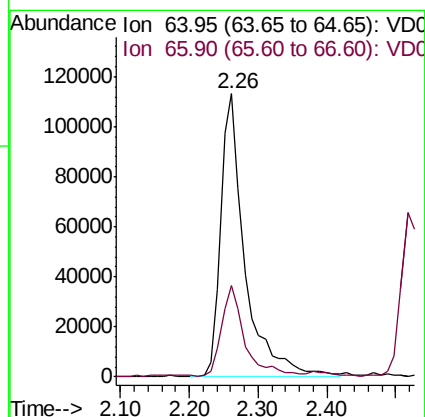
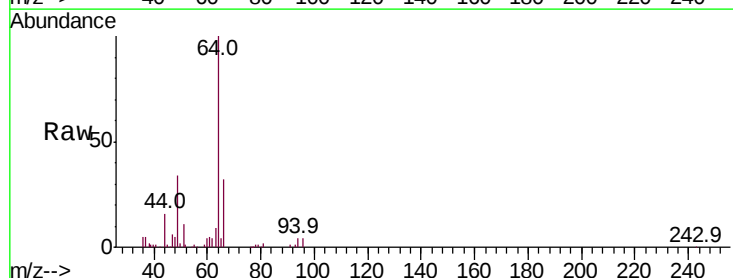
Acq: 5 Aug 2019 11:43

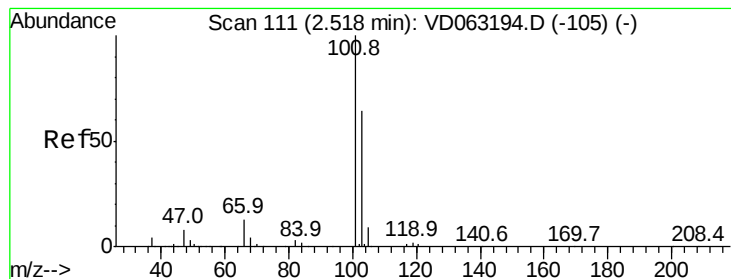
Tgt Ion: 64 Resp: 274598

Ion Ratio Lower Upper

64 100

66 32.3 22.2 33.2



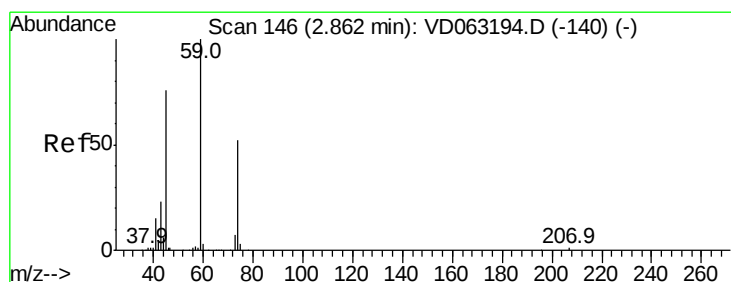
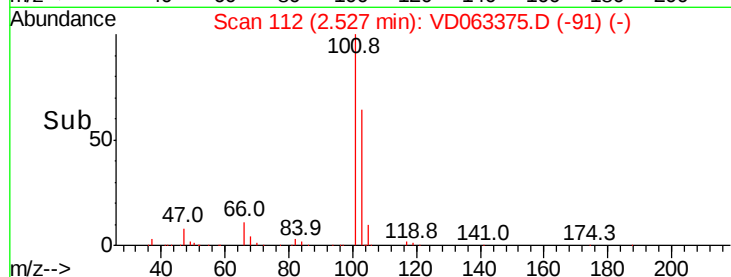
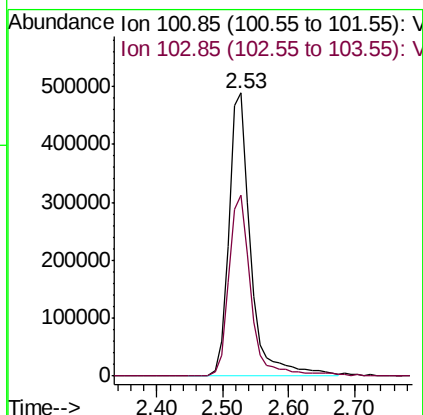
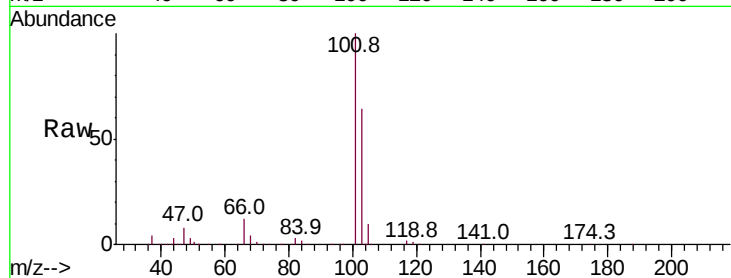


#7

Trichlorofluoromethane
 Concen: 50.340 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD063375.D
 Acq: 5 Aug 2019 11:43

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 ClientSampleId :
 VSTDCCC050

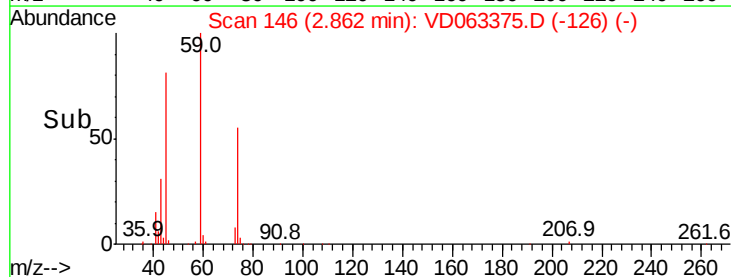
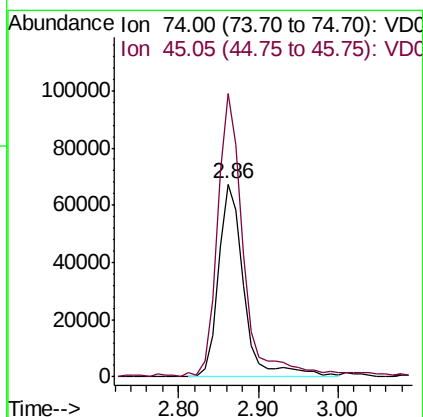
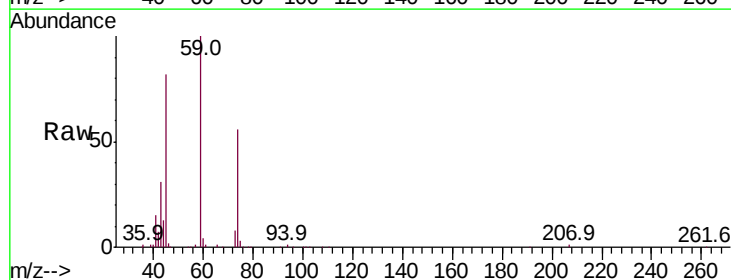
Tot Ion:101 Resp: 1129467
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.5 77.3

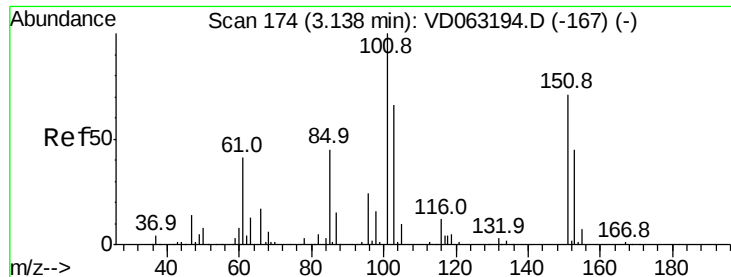


#8

Diethyl Ether
 Concen: 48.404 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.00 min
 Lab File: VD063375.D
 Acq: 5 Aug 2019 11:43

Tgt Ion: 74 Resp: 151994
 Ion Ratio Lower Upper
 74 100
 45 146.9 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.179 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

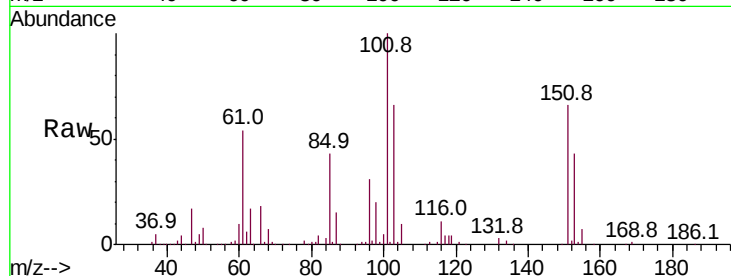
Tot Ion:101 Resp: 623657

Ion Ratio Lower Upper

101 100

85 42.8 36.1 54.1

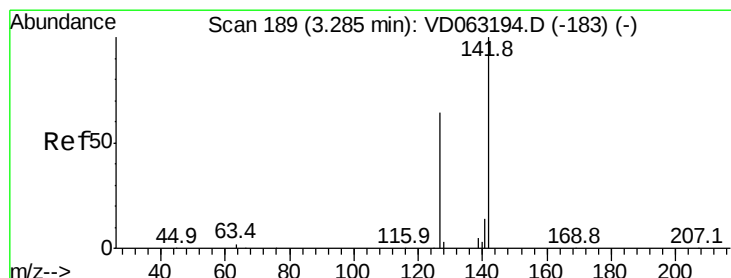
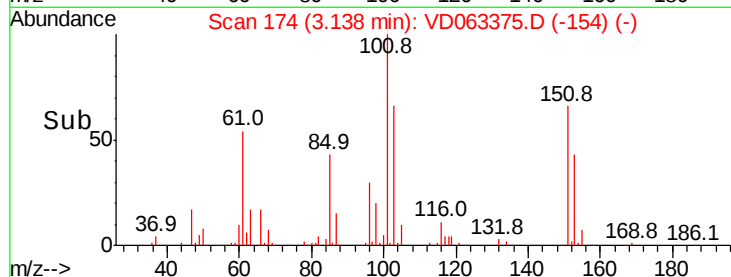
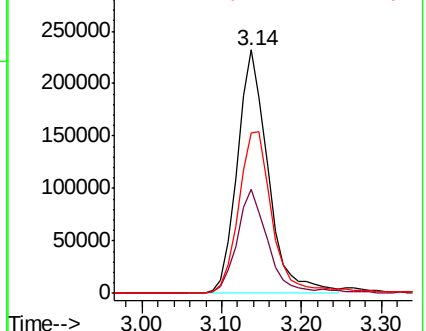
151 65.8 57.1 85.7



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: 50.185 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

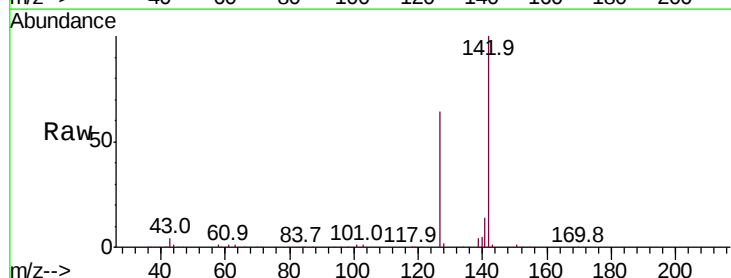
Tgt Ion:142 Resp: 901049

Ion Ratio Lower Upper

142 100

127 63.7 50.8 76.2

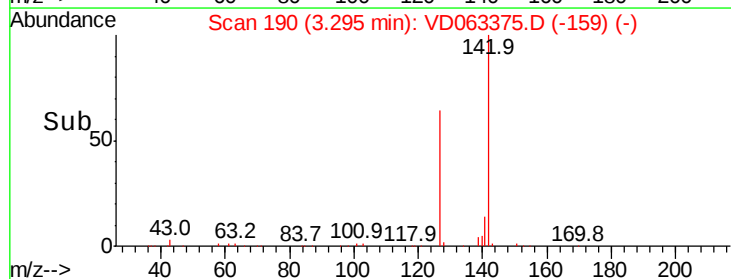
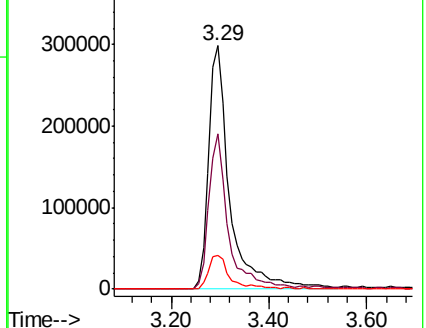
141 13.7 11.4 17.2

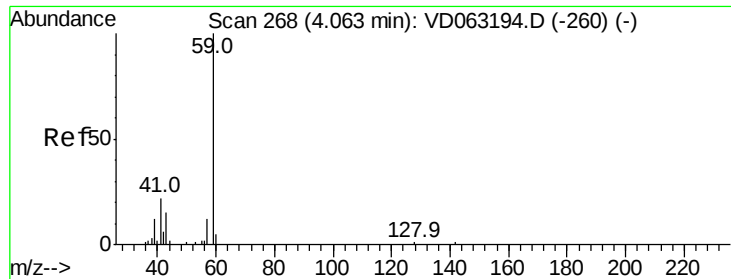


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



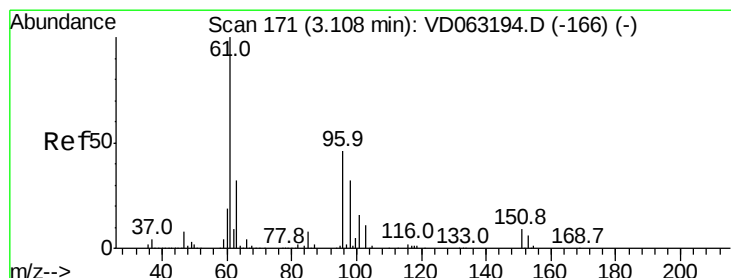
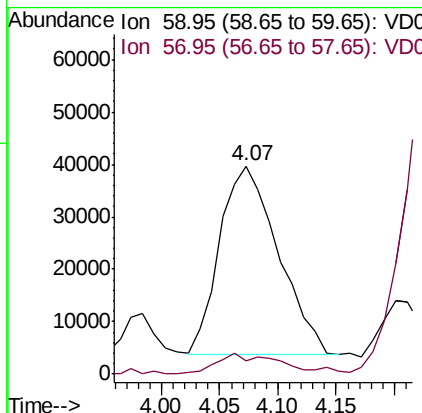
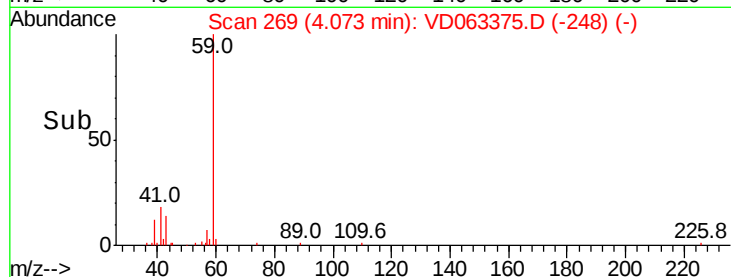
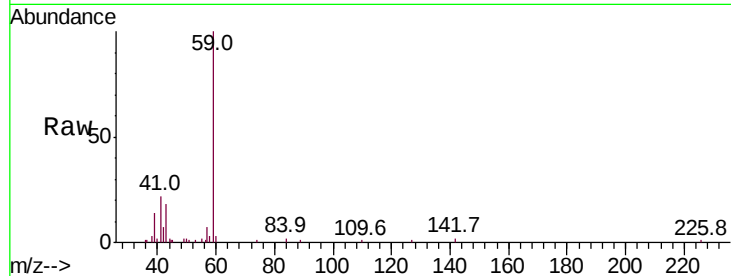


#11

Tert butyl alcohol
Concen: 218.805 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

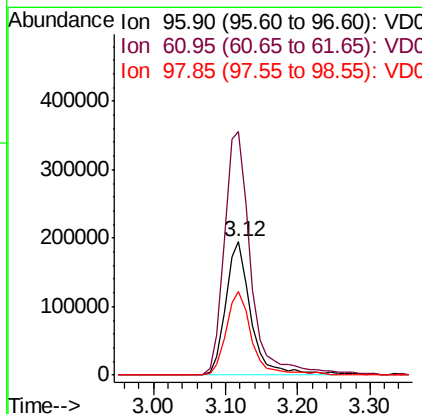
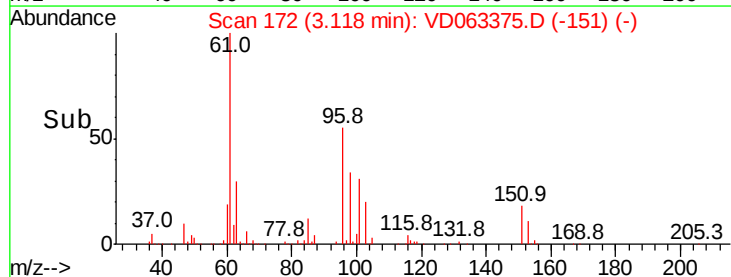
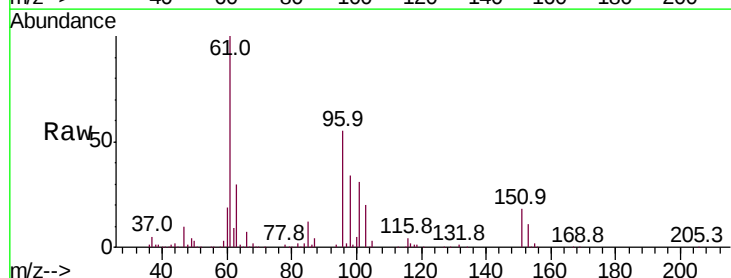
Tot Ion: 59 Resp: 125335
Ion Ratio Lower Upper
59 100
57 6.6 9.6 14.4#

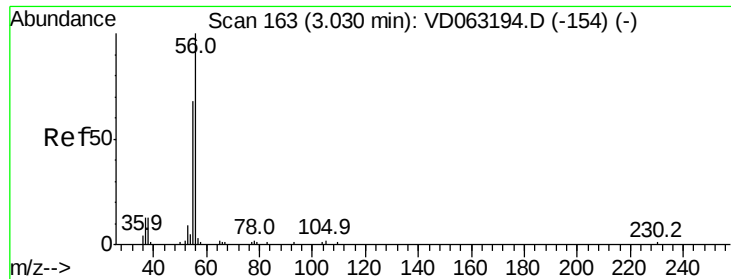


#12

1,1-Dichloroethene
Concen: 51.996 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Tgt Ion: 96 Resp: 474424
Ion Ratio Lower Upper
96 100
61 182.5 173.7 260.5
98 62.9 55.8 83.8





#13

Acrolein

Concen: 235.290 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

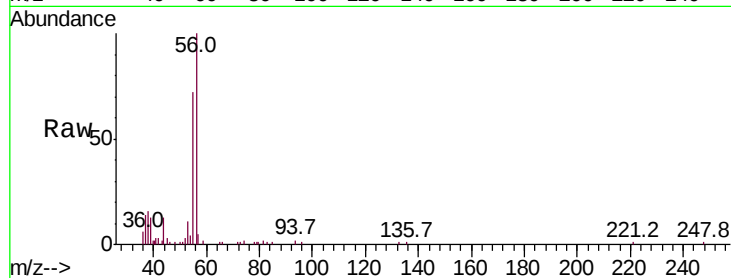
VSTDCCC050

Tot Ion: 56 Resp: 129711

Ion Ratio Lower Upper

56 100

55 72.1 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

60000

50000

40000

30000

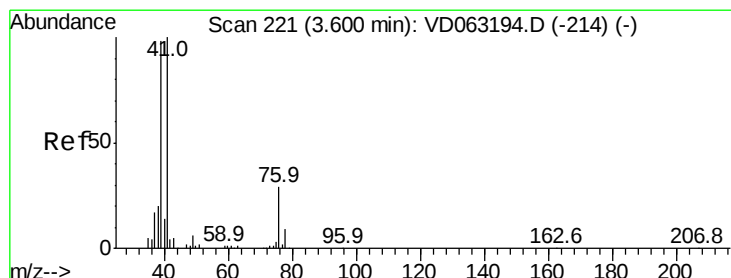
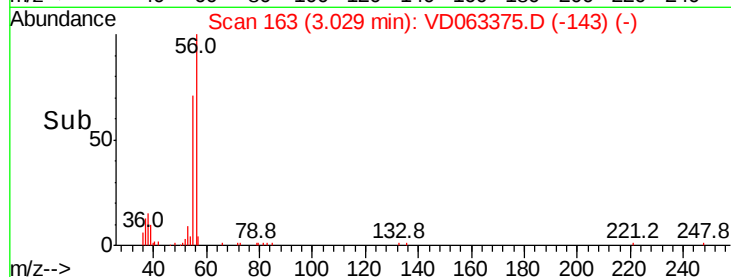
20000

10000

0

Time--> 2.90 3.00 3.10

3.03



#14

Allyl chloride

Concen: 51.052 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

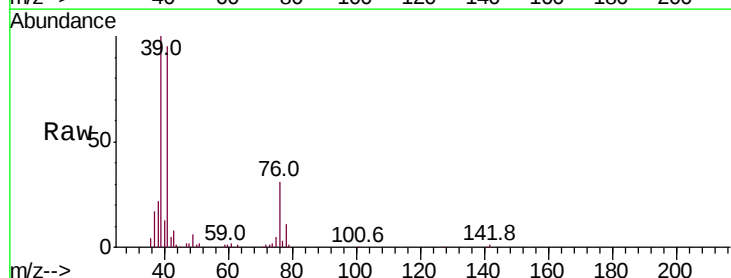
Tgt Ion: 41 Resp: 742050

Ion Ratio Lower Upper

41 100

39 105.5 78.6 117.8

76 32.6 24.5 36.7



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

300000

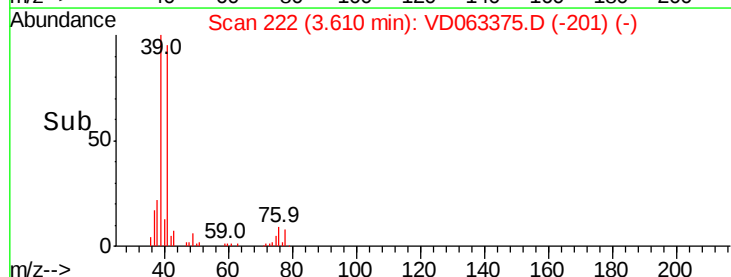
200000

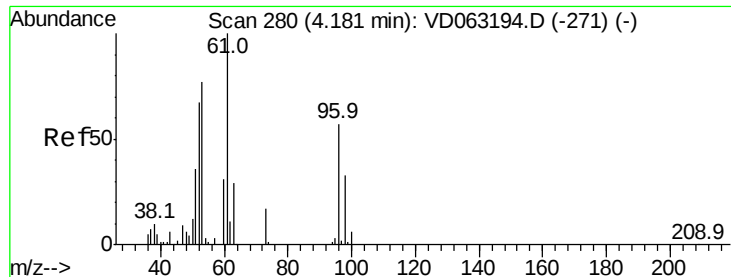
100000

0

Time--> 3.50 3.60 3.70 3.80

3.61





#15

Acrylonitrile

Concen: 268.467 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

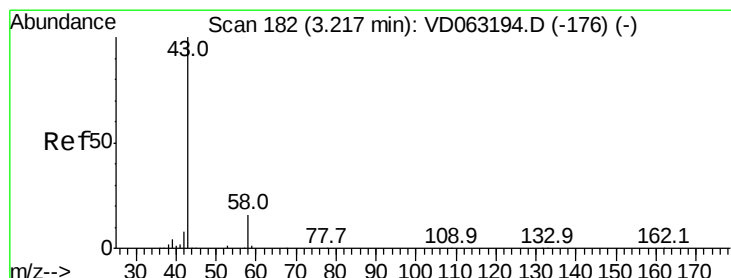
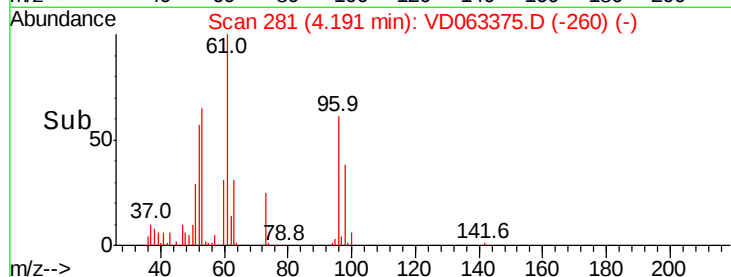
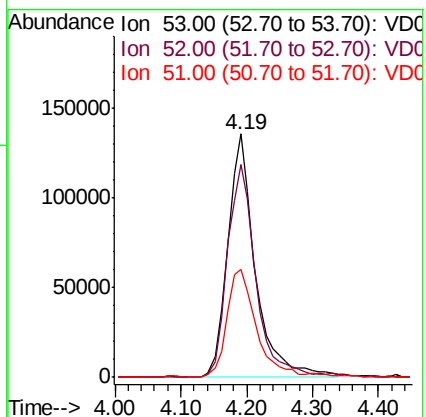
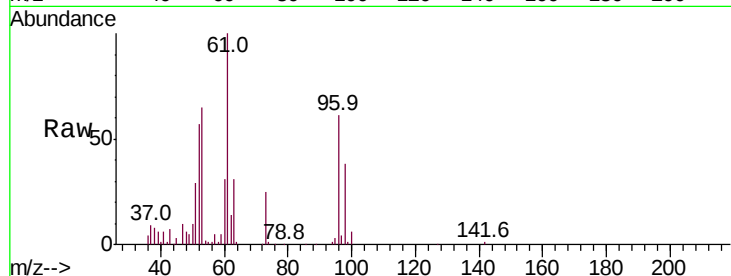
Tot Ion: 53 Resp: 398693

Ion Ratio Lower Upper

53 100

52 87.3 69.7 104.5

51 44.6 37.4 56.0



#16

Acetone

Concen: 307.472 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063375.D

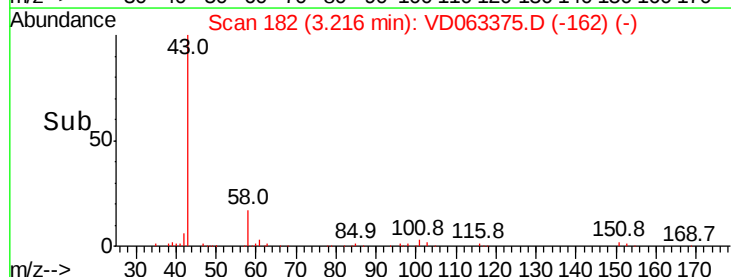
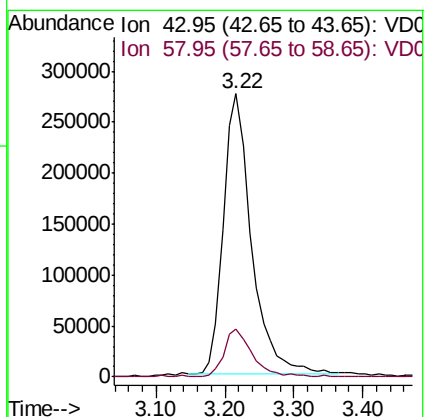
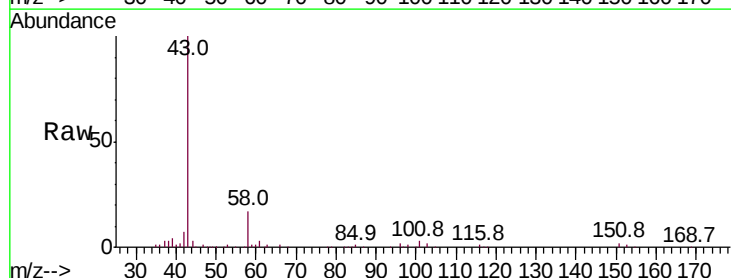
Acq: 5 Aug 2019 11:43

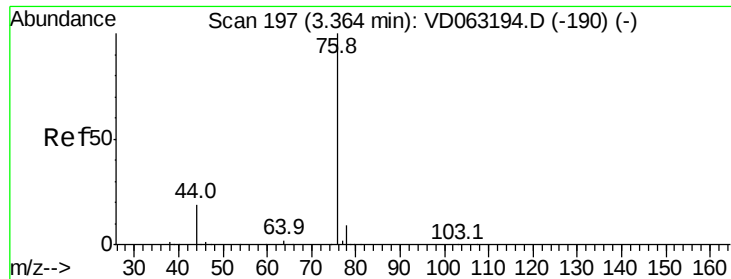
Tgt Ion: 43 Resp: 781956

Ion Ratio Lower Upper

43 100

58 16.7 13.0 19.4

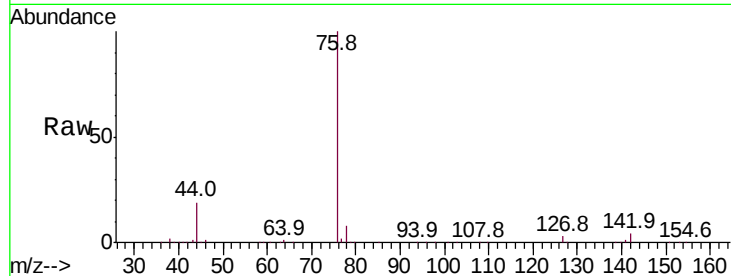




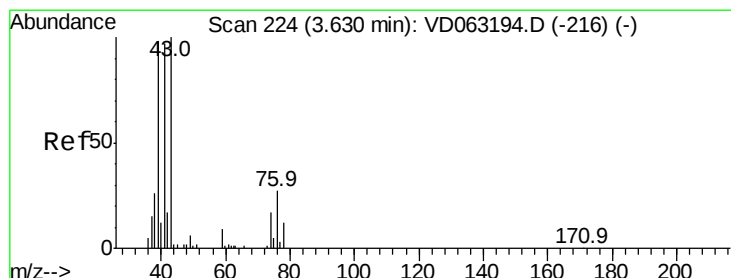
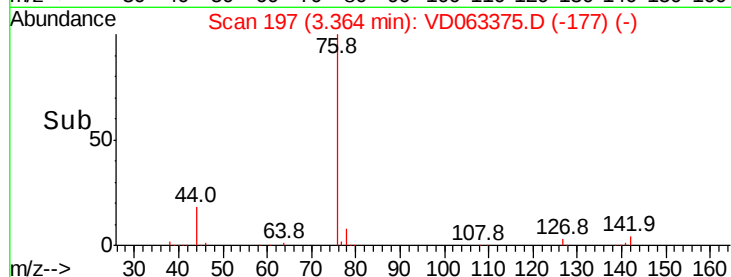
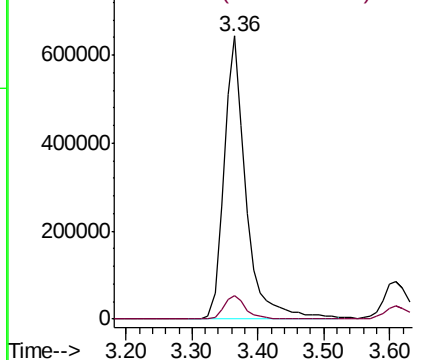
#17
Carbon Disulfide
Concen: 49.003 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1496527
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2

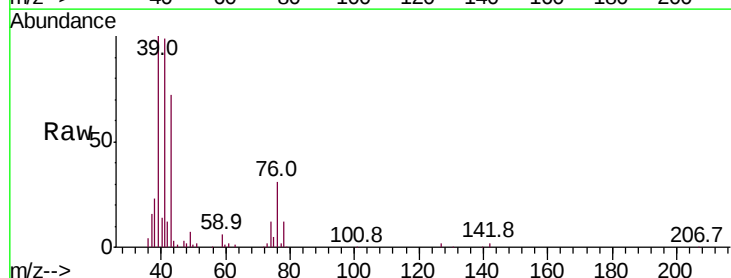


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

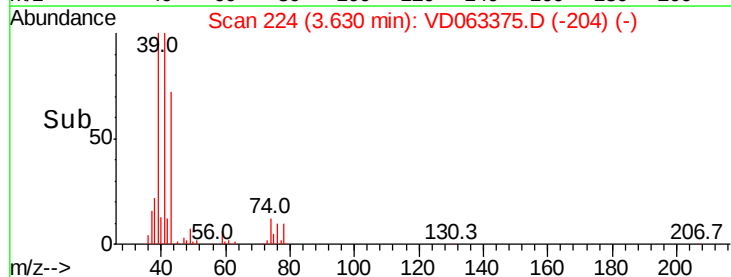
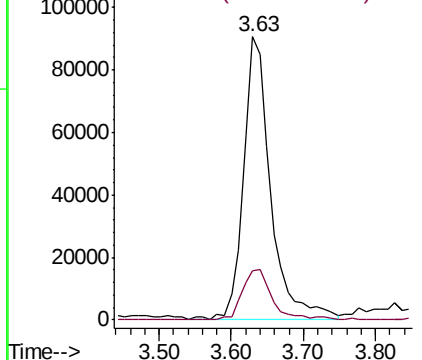


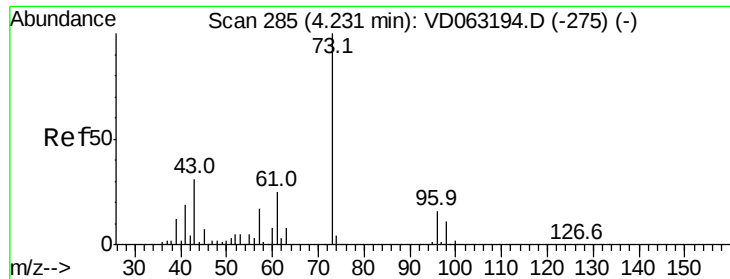
#18
Methyl Acetate
Concen: 49.025 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Tgt Ion: 43 Resp: 239490
Ion Ratio Lower Upper
43 100
74 17.2 13.8 20.8



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

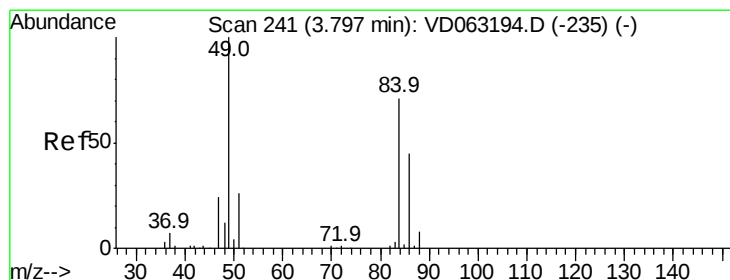
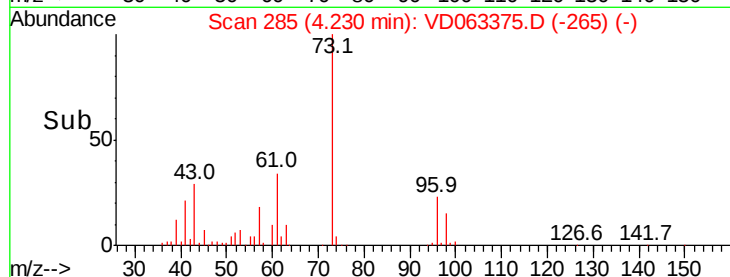
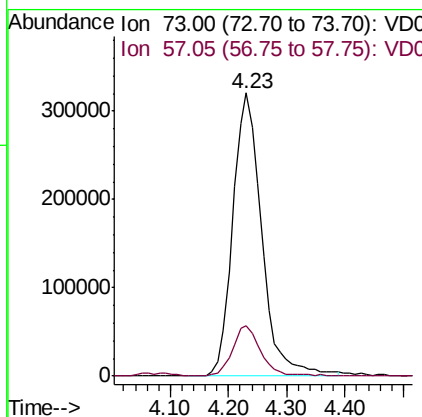
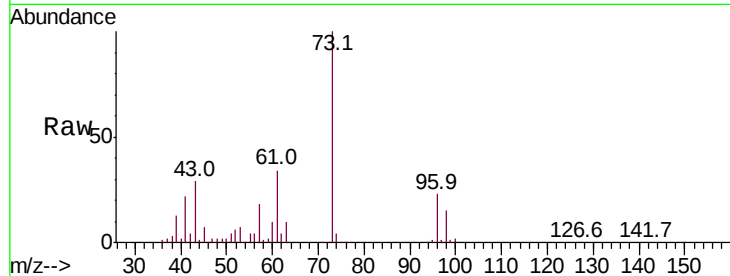




#19
Methyl tert-butyl Ether
Concen: 53.922 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

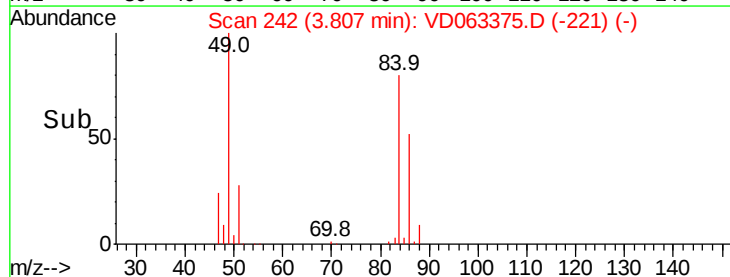
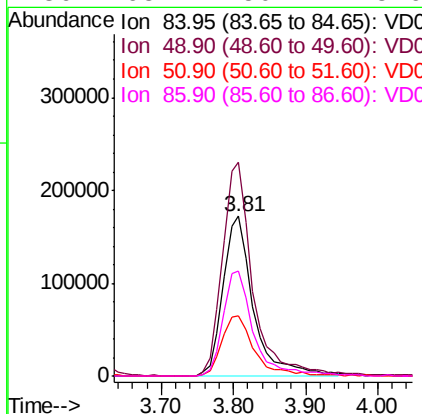
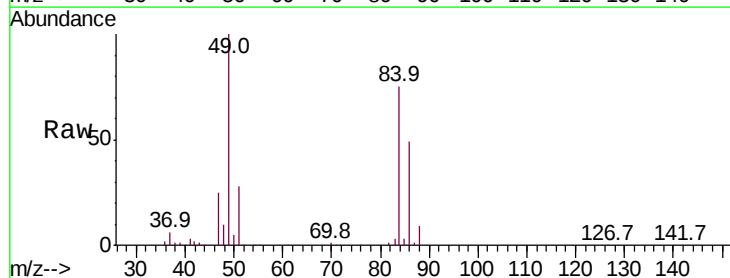
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

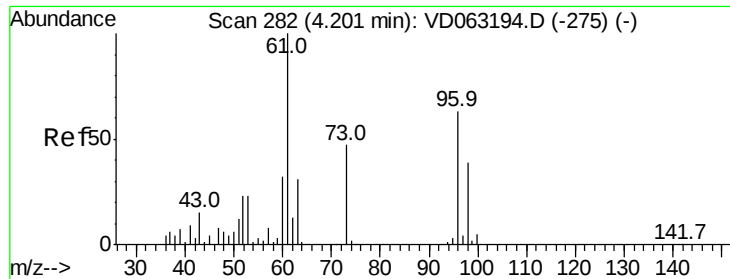
Tot Ion: 73 Resp: 1111360
Ion Ratio Lower Upper
73 100
57 17.8 13.8 20.6



#20
Methylene Chloride
Concen: 48.681 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Tgt Ion: 84 Resp: 500433
Ion Ratio Lower Upper
84 100
49 133.8 112.5 168.7
51 38.0 29.6 44.4
86 65.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 53.173 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

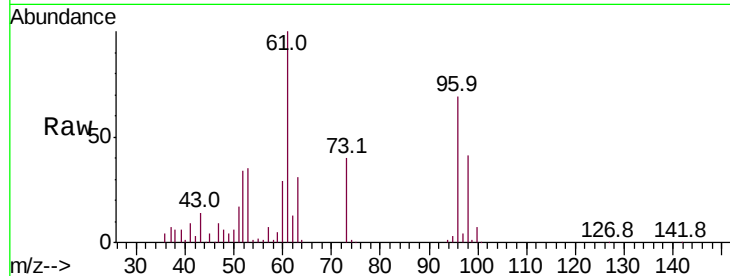
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 544367

Ion	Ratio	Lower	Upper
96	100		
61	144.7	127.4	191.2
98	59.9	49.3	73.9

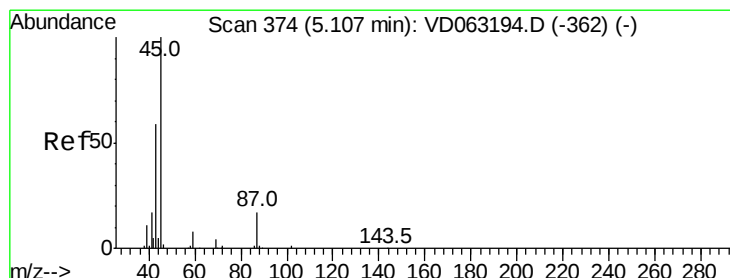
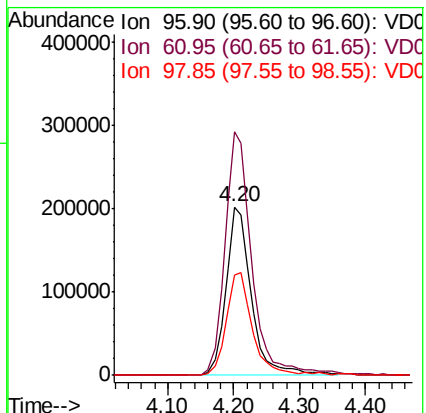
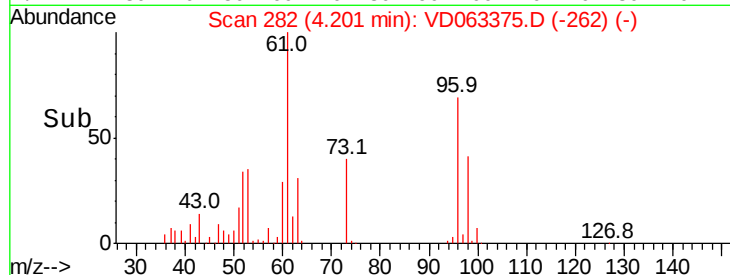


Abundance

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: 54.806 ug/l

RT: 5.12 min Scan# 375

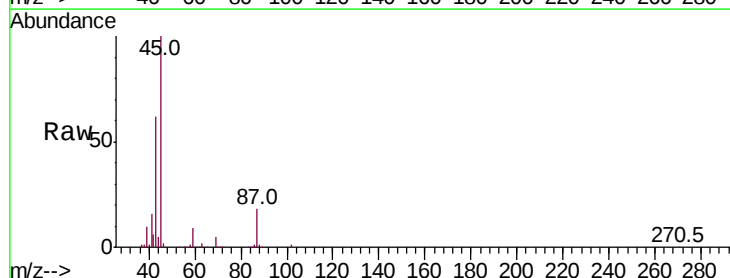
Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Tgt Ion: 45 Resp: 1591563

Ion	Ratio	Lower	Upper
45	100		
43	61.9	51.7	77.5
87	18.2	14.6	21.8
59	9.0	6.6	10.0



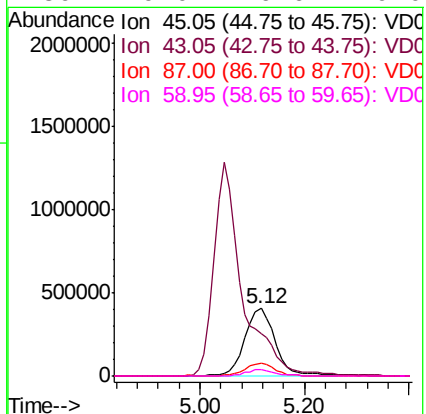
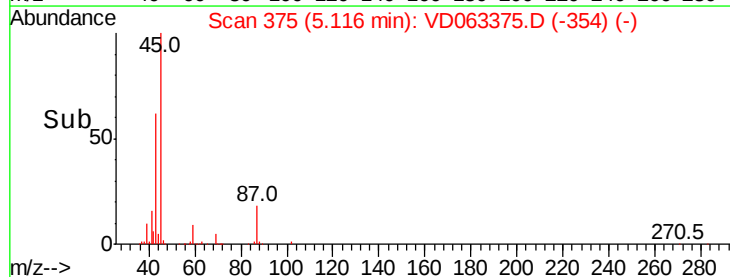
Abundance

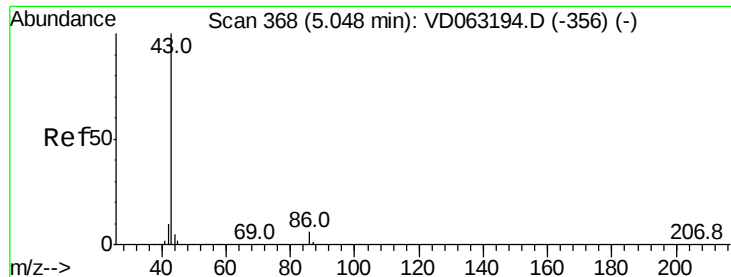
Ion 45.05 (44.75 to 45.75): VDC

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: 268.347 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

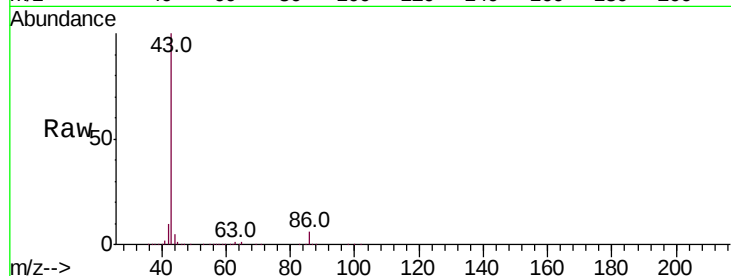
VSTDCCC050

Tot Ion: 43 Resp: 4790213

Ion Ratio Lower Upper

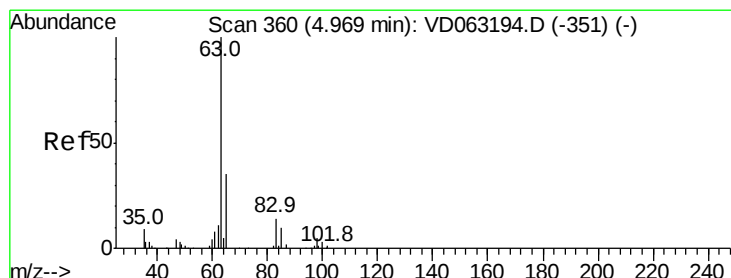
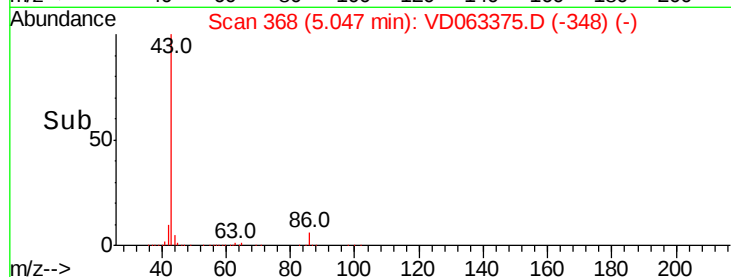
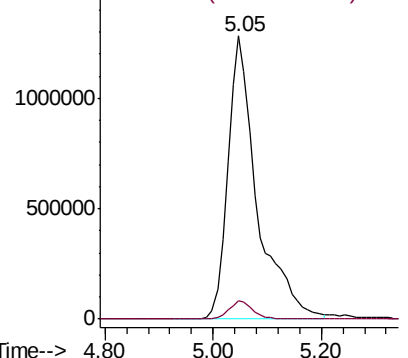
43 100

86 6.4 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.787 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

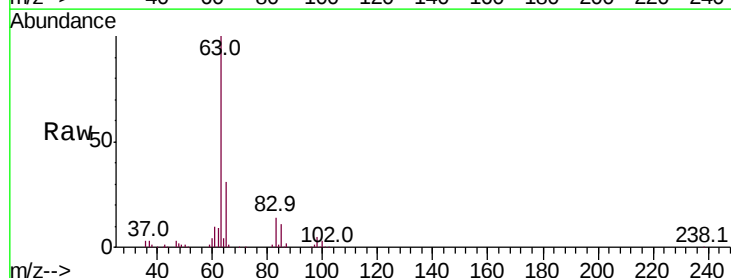
Tgt Ion: 63 Resp: 942067

Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.4

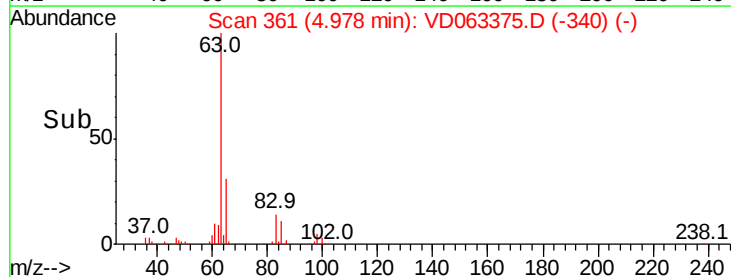
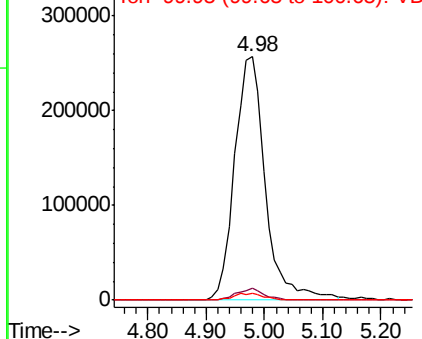
100 2.9 1.3 3.9

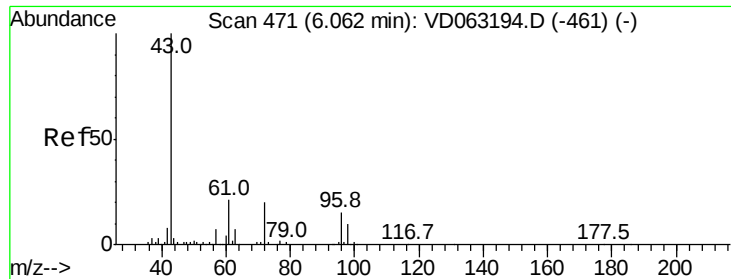


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 269.275 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

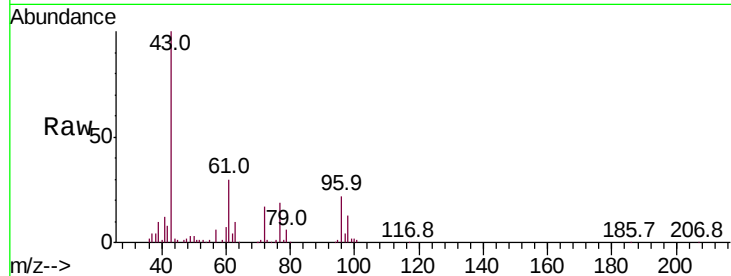
VSTDCCC050

Tot Ion: 43 Resp: 687269

Ion Ratio Lower Upper

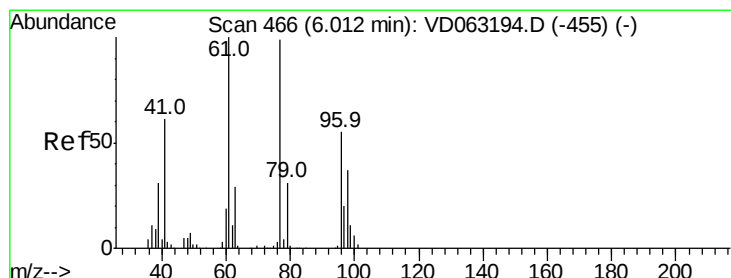
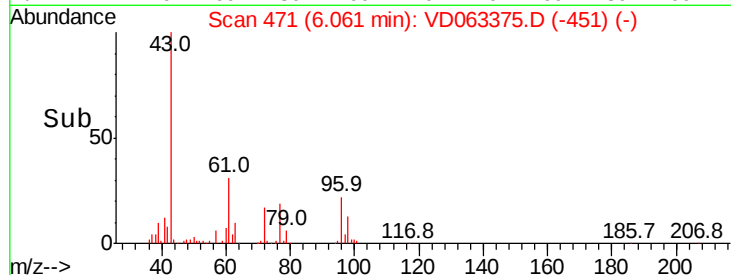
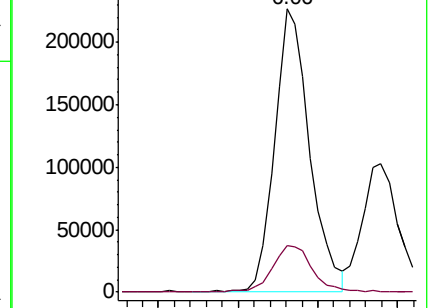
43 100

72 16.6 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.709 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD063375.D

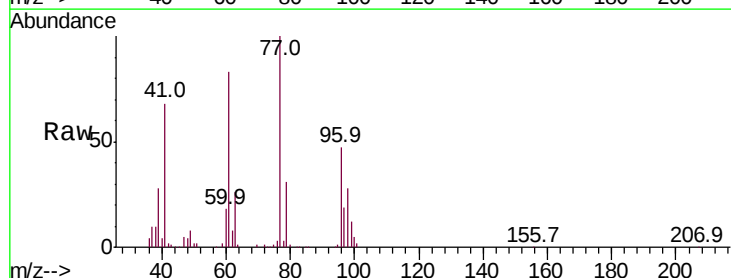
Acq: 5 Aug 2019 11:43

Tgt Ion: 77 Resp: 1007576

Ion Ratio Lower Upper

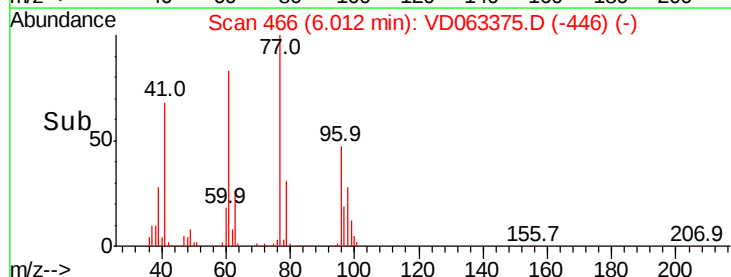
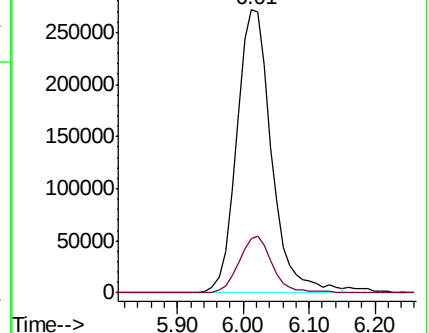
77 100

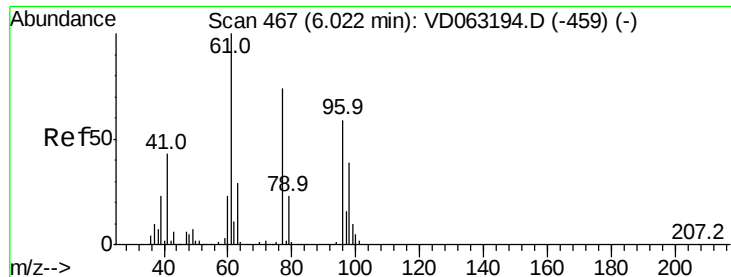
97 19.4 10.2 30.6



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: 51.295 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

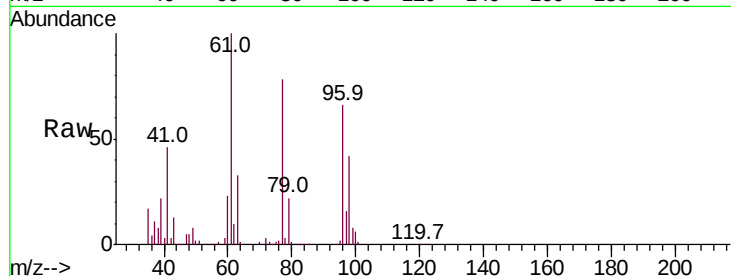
Tot Ion: 96 Resp: 563031

Ion Ratio Lower Upper

96 100

61 152.0 0.0 337.2

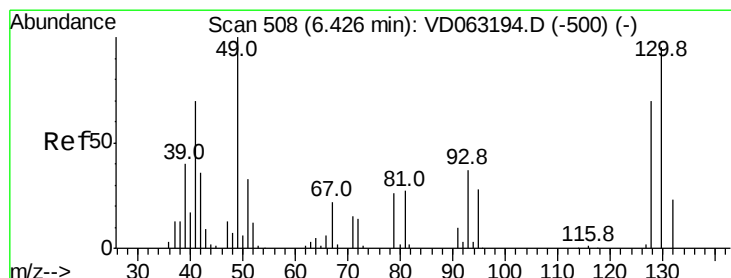
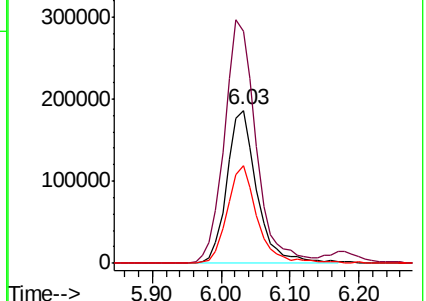
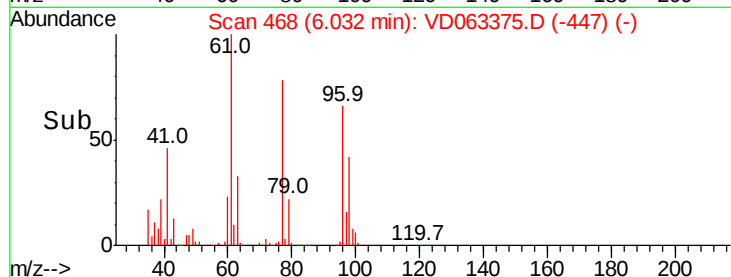
98 64.1 0.0 130.6



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: 46.219 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.00 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

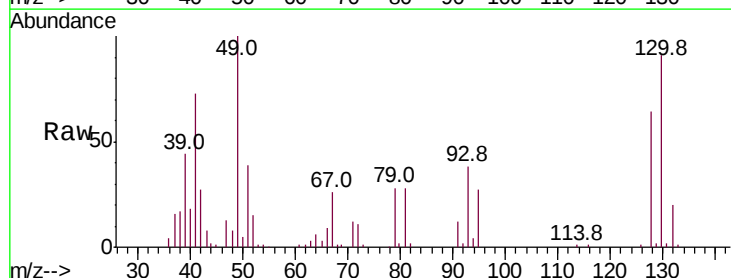
Tgt Ion: 49 Resp: 341583

Ion Ratio Lower Upper

49 100

129 1.9 0.0 0.0#

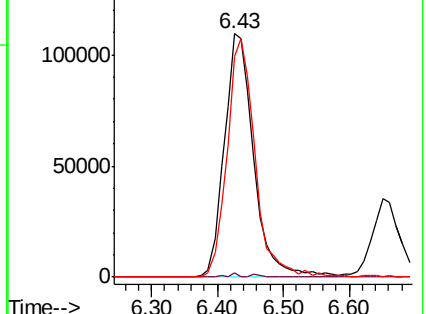
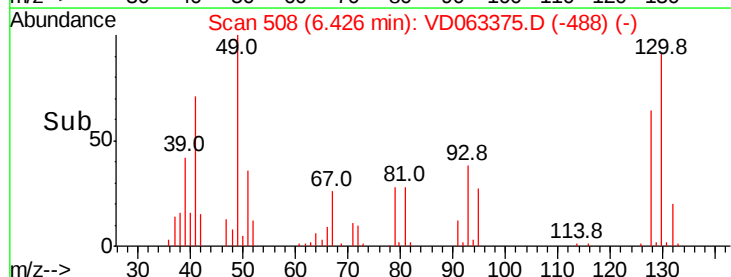
130 90.8 75.7 113.5

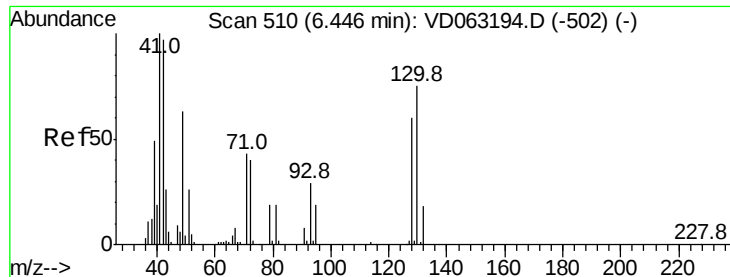


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 257.164 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

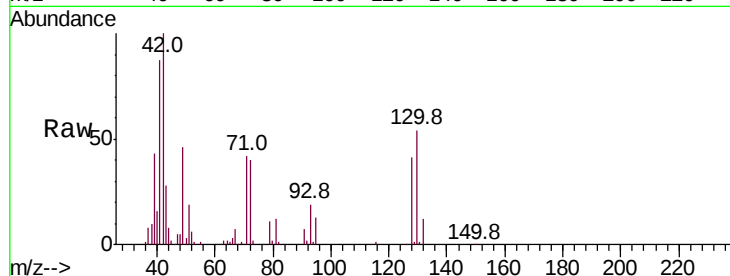
Tot Ion: 42 Resp: 310752

Ion Ratio Lower Upper

42 100

72 41.7 33.4 50.2

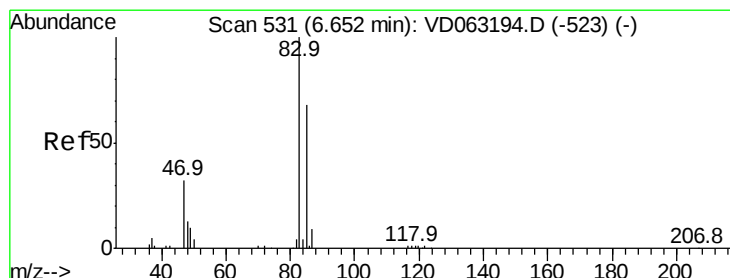
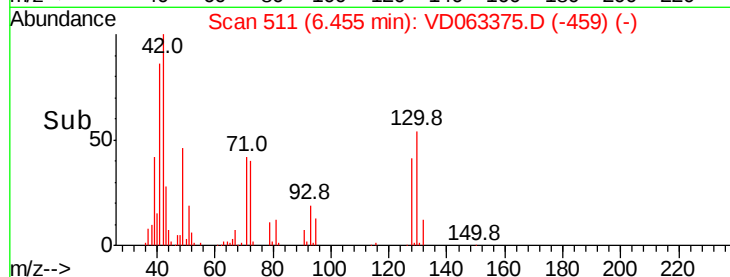
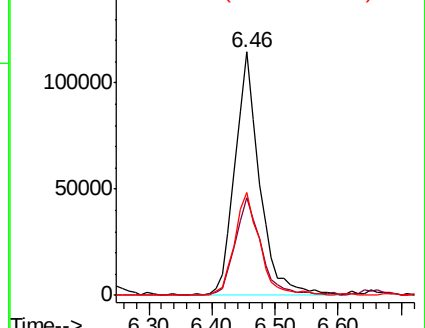
71 43.1 35.7 53.5



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: 48.830 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.00 min

Lab File: VD063375.D

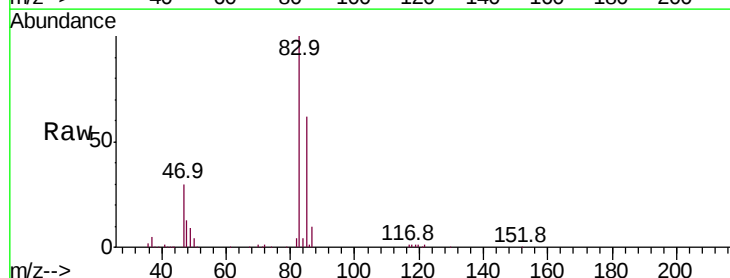
Acq: 5 Aug 2019 11:43

Tgt Ion: 83 Resp: 1124067

Ion Ratio Lower Upper

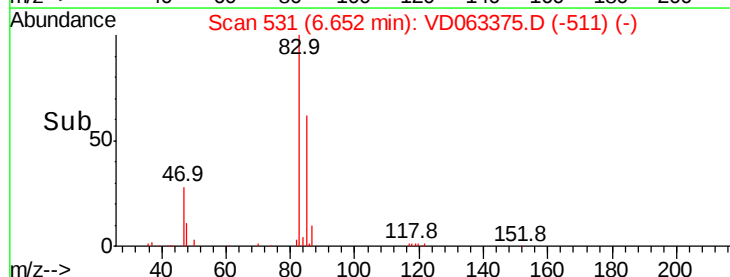
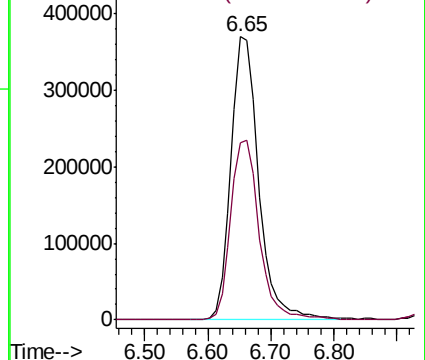
83 100

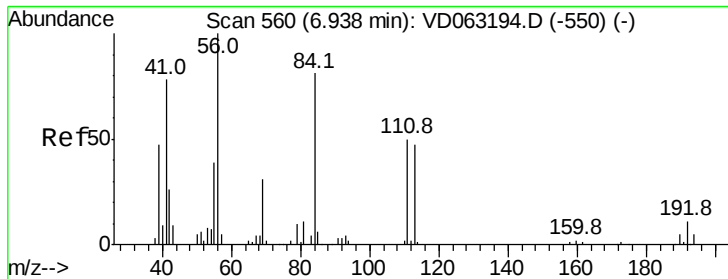
85 62.4 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

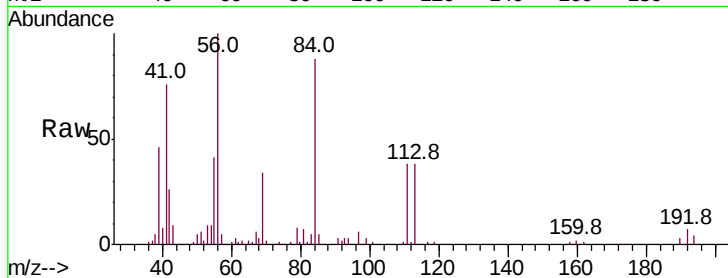




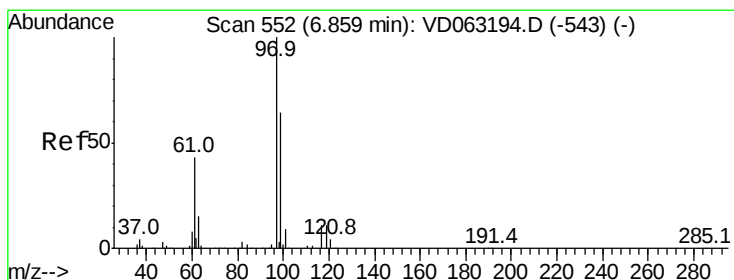
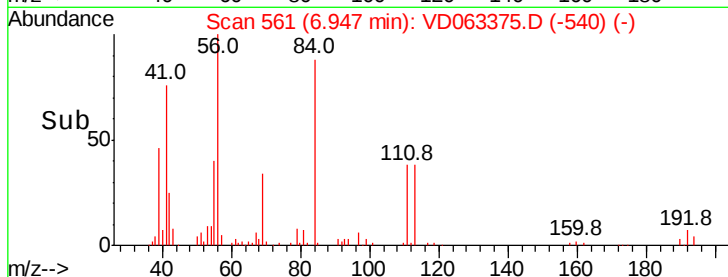
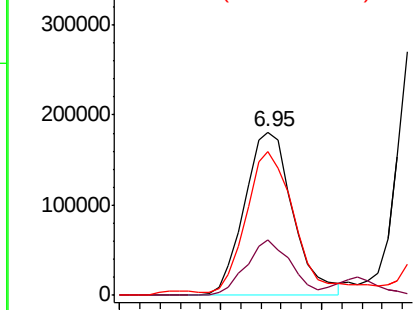
#31
Cyclohexane
Concen: 51.957 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 604089
Ion Ratio Lower Upper
56 100
69 33.7 24.5 36.7
84 88.3 64.9 97.3

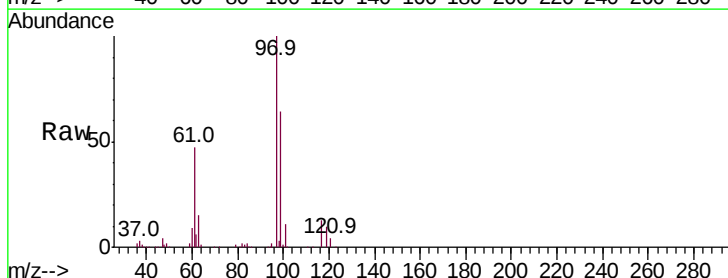


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

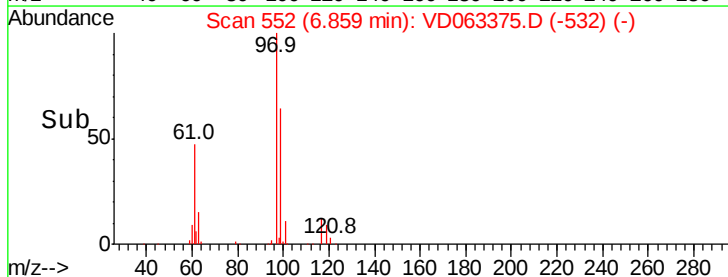
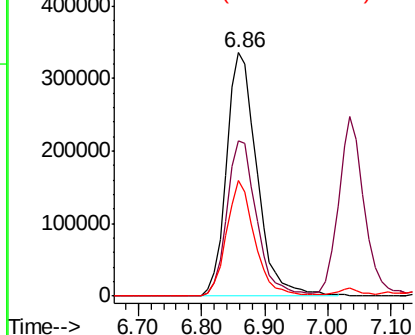


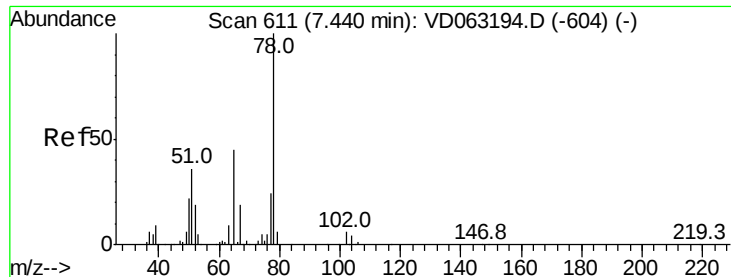
#32
1,1,1-Trichloroethane
Concen: 50.056 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Tgt Ion: 97 Resp: 1114568
Ion Ratio Lower Upper
97 100
99 64.0 51.2 76.8
61 47.2 34.2 51.2



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: 46.625 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

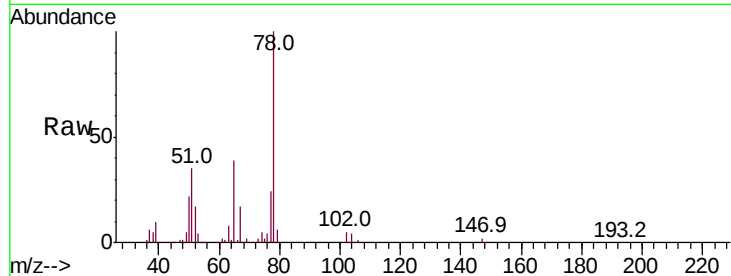
VSTDCCC050

Tot Ion: 65 Resp: 608589

Ion Ratio Lower Upper

65 100

67 43.0 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

250000

200000

150000

100000

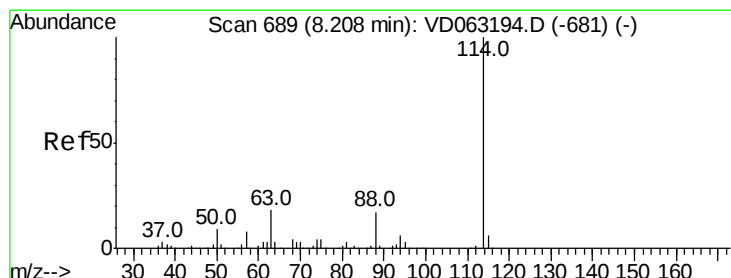
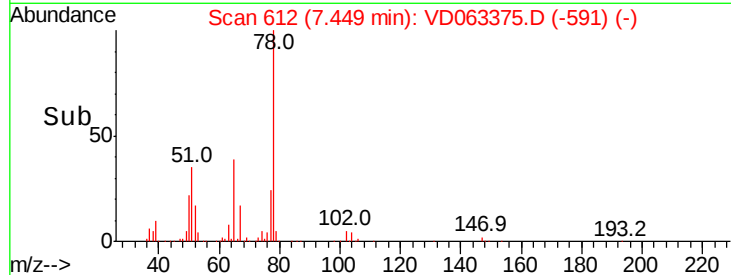
50000

0

7.40

7.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

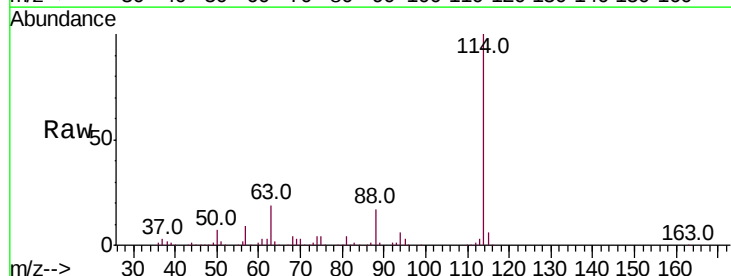
Tgt Ion: 114 Resp: 1566394

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.2

88 16.8 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

800000

600000

400000

200000

0

8.10

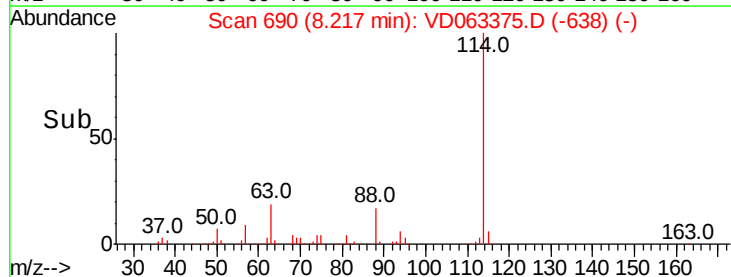
8.20

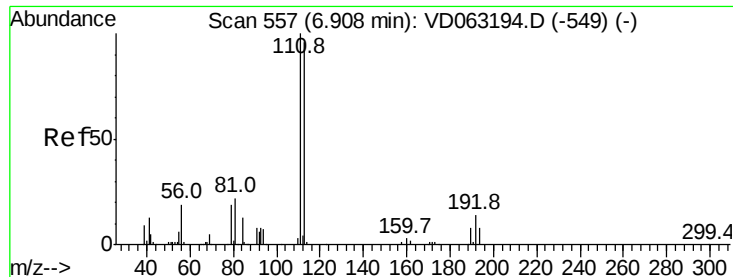
8.30

8.40

8.50

Time-->





#35

Dibromofluoromethane

Concen: 50.355 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

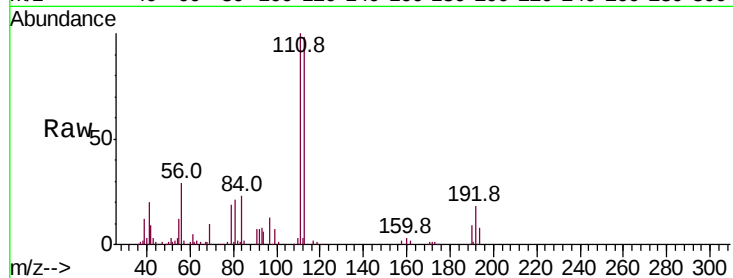
Tot Ion:113 Resp: 673429

Ion Ratio Lower Upper

113 100

111 101.9 83.2 124.8

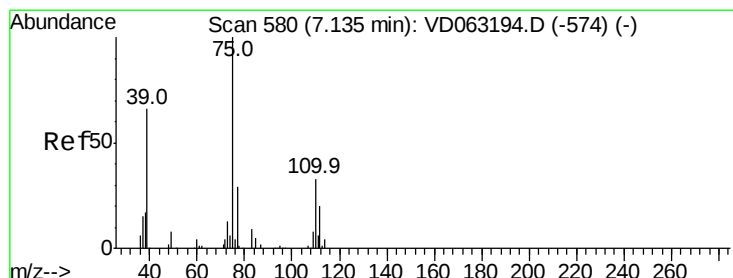
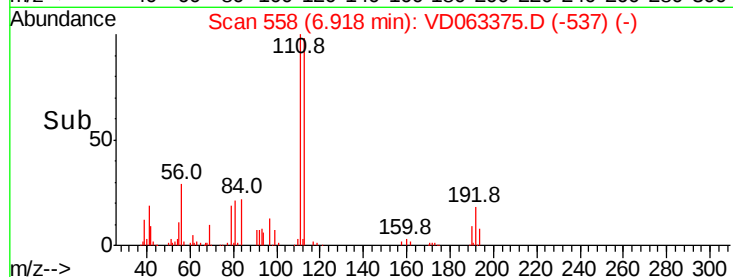
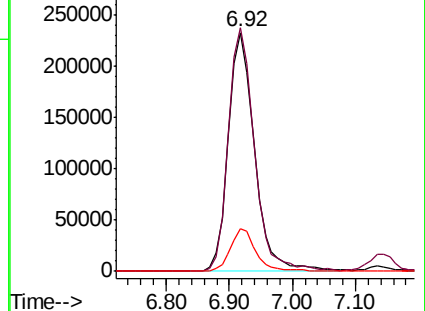
192 18.1 11.8 17.8#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 55.366 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

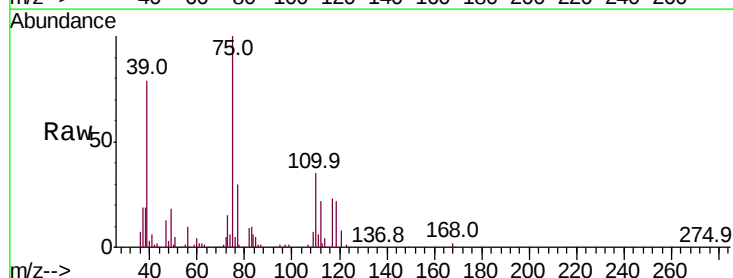
Tgt Ion: 75 Resp: 791468

Ion Ratio Lower Upper

75 100

110 35.4 16.1 48.2

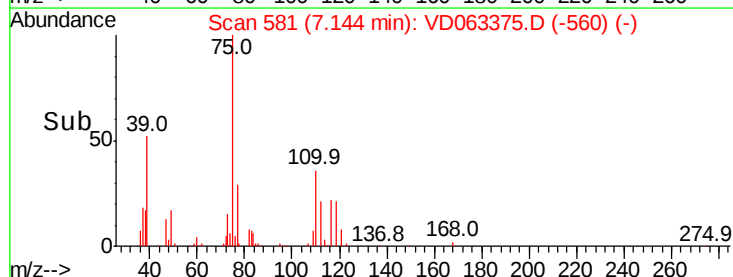
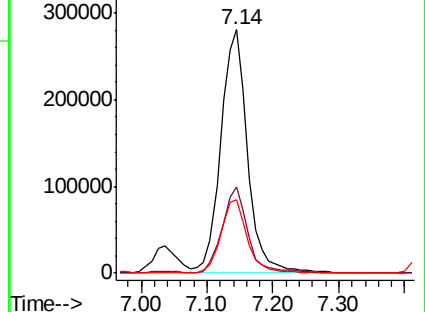
77 30.0 22.7 34.1

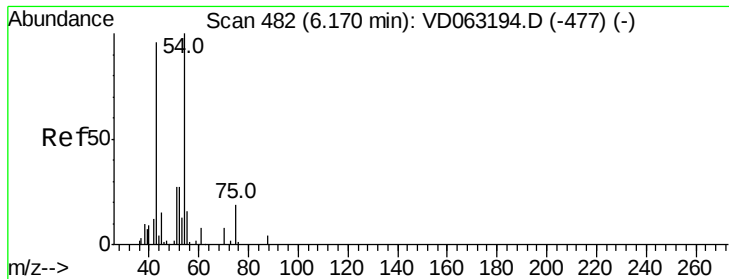


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

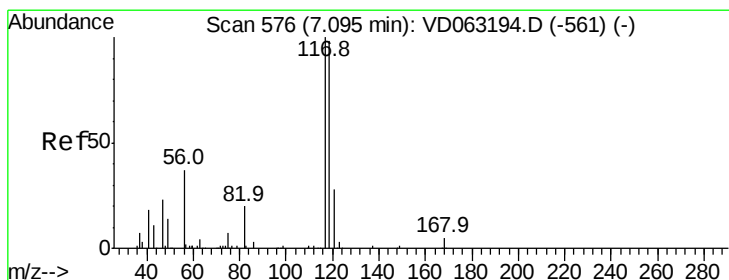
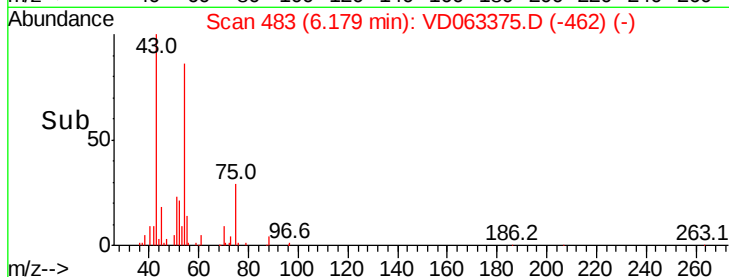
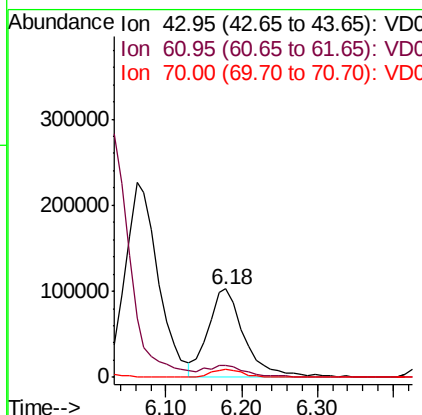
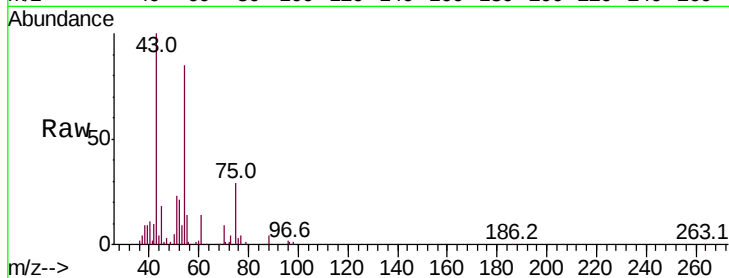




#37
Ethyl Acetate
Concen: 51.551 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

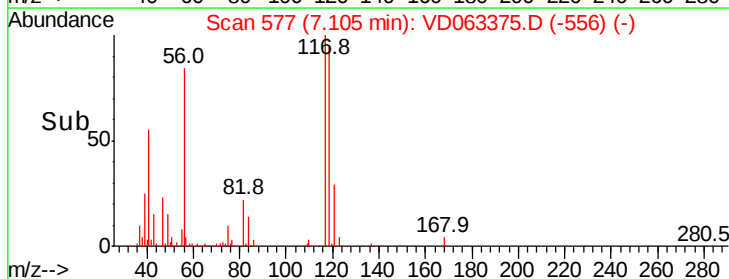
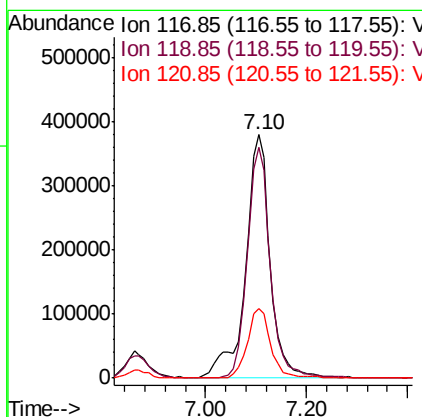
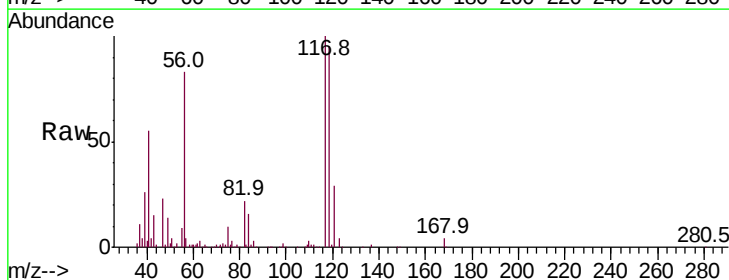
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

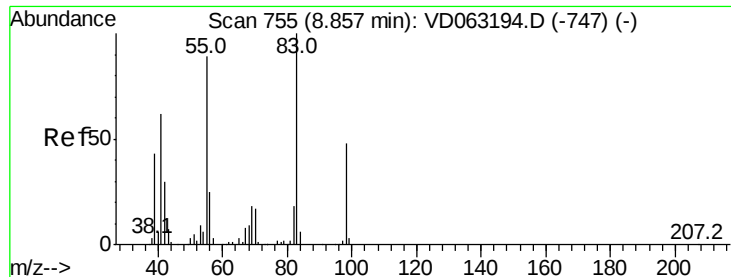
Tot Ion: 43 Resp: 331075
Ion Ratio Lower Upper
43 100
61 13.8 11.3 16.9
70 8.8 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 59.715 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Tgt Ion: 117 Resp: 1285125
Ion Ratio Lower Upper
117 100
119 95.0 78.2 117.2
121 28.6 22.1 33.1

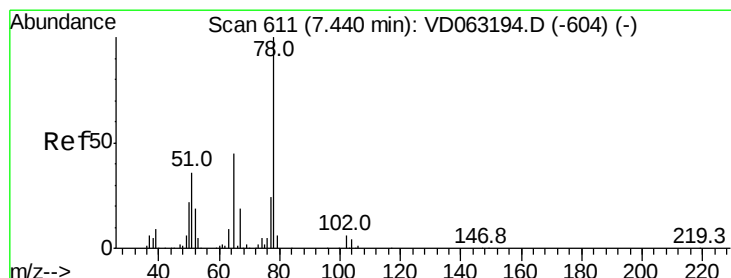
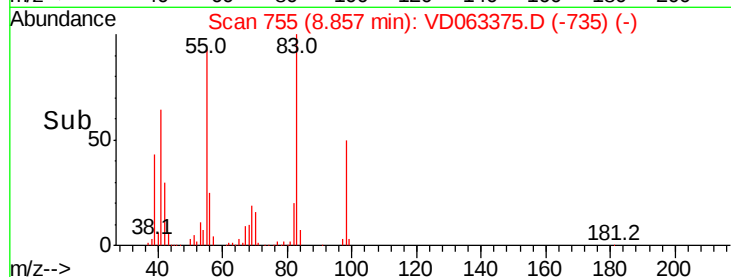
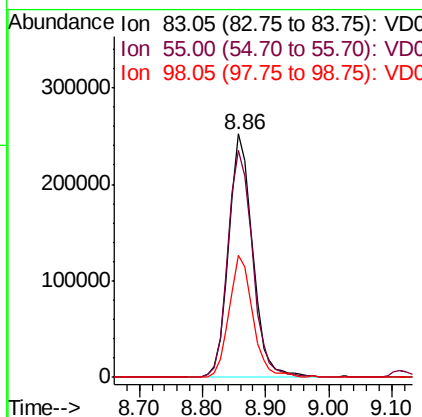
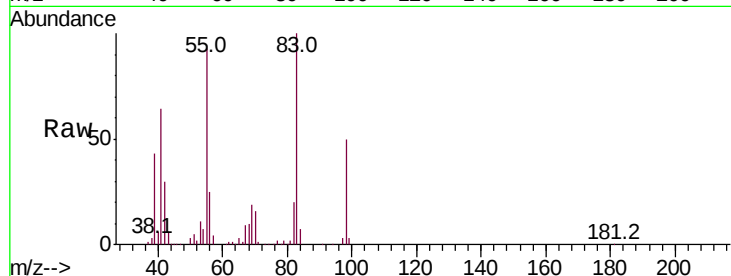




#39
Methvlcvclohexane
Concen: 55.592 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

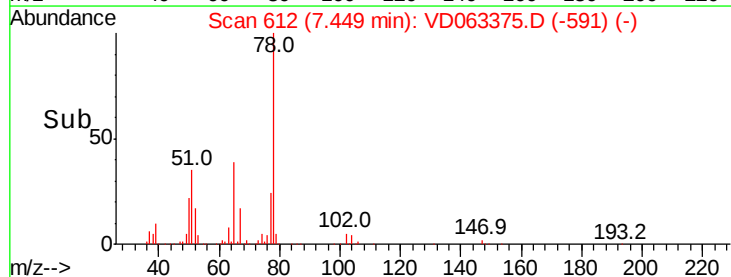
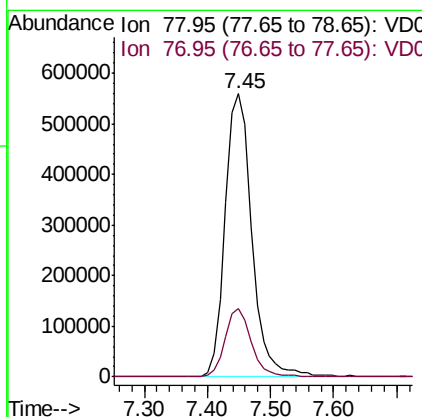
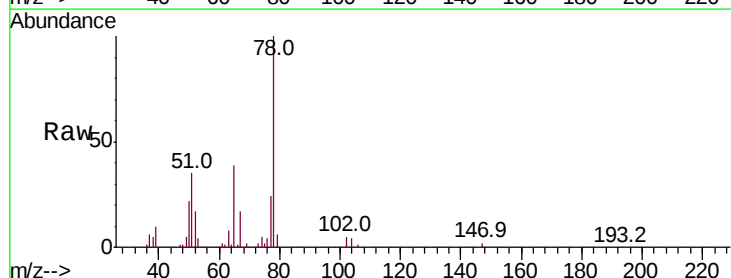
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

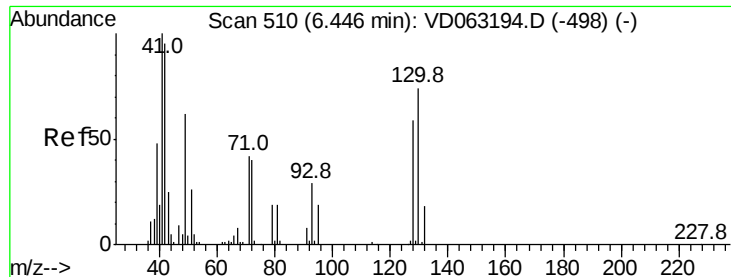
Tot Ion: 83 Resp: 662123
Ion Ratio Lower Upper
83 100
55 93.4 71.1 106.7
98 50.0 38.5 57.7



#40
Benzene
Concen: 54.920 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Tgt Ion: 78 Resp: 1645415
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.2

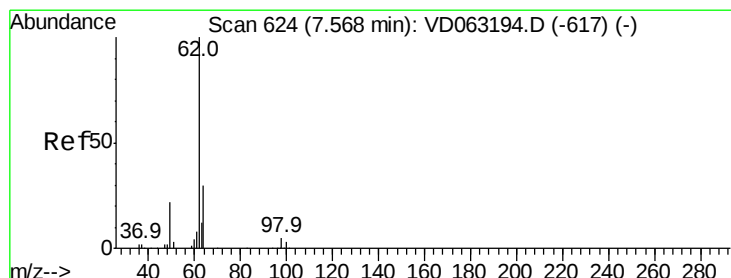
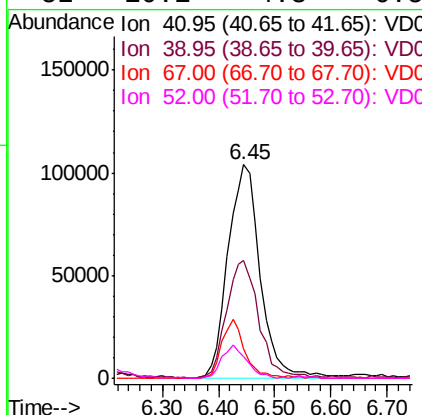
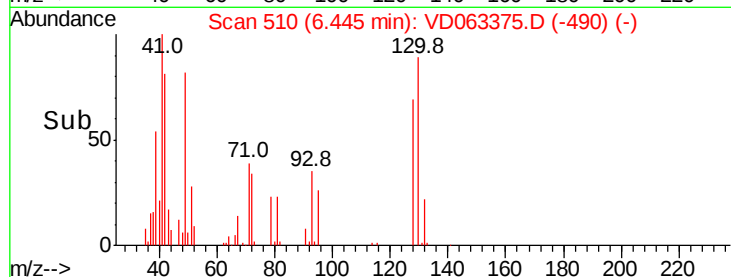
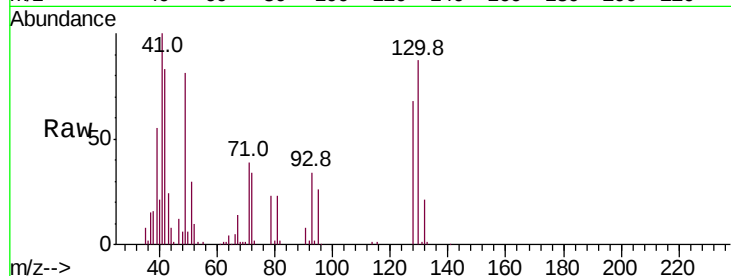




#41
Methacrylonitrile
Concen: 53.958 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

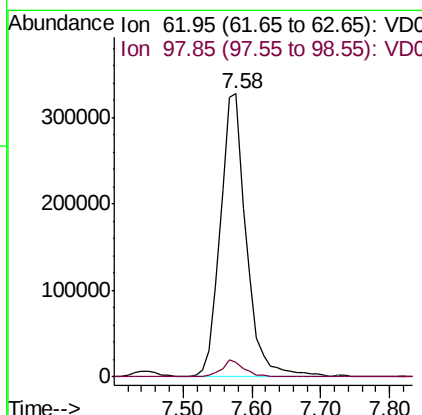
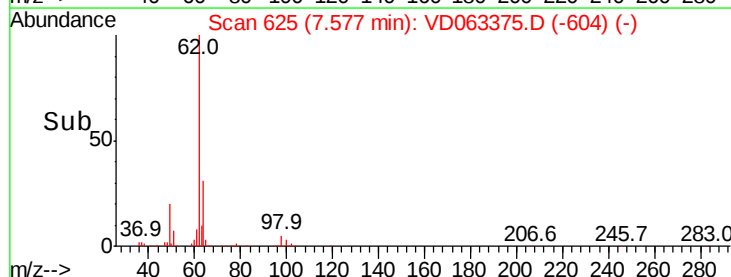
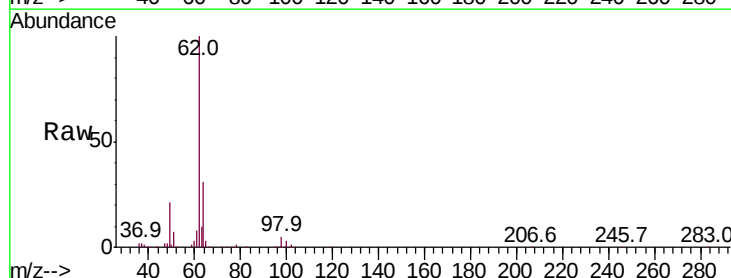
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

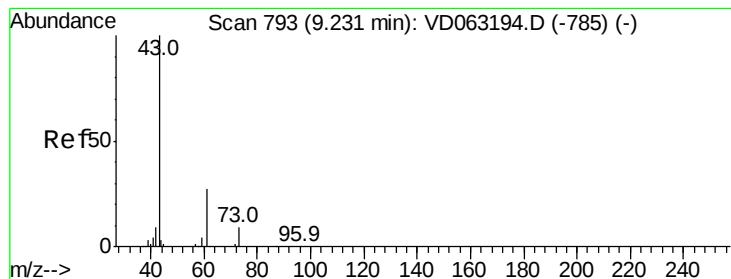
Tot Ion: 41 Resp: 414526
Ion Ratio Lower Upper
41 100
39 55.1 38.4 57.6
67 13.9 6.7 10.1#
52 10.1 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 53.555 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Tgt Ion: 62 Resp: 850367
Ion Ratio Lower Upper
62 100
98 5.2 0.0 9.8





#43

Isopropyl Acetate

Concen: 54.995 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

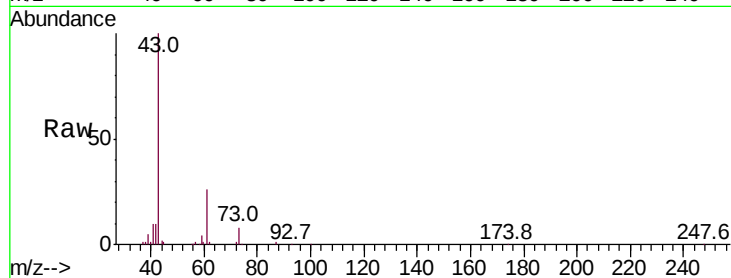
Tot Ion: 43 Resp: 451172

Ion Ratio Lower Upper

43 100

61 26.4 21.4 32.0

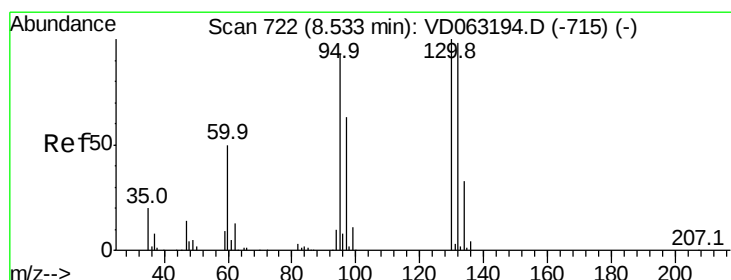
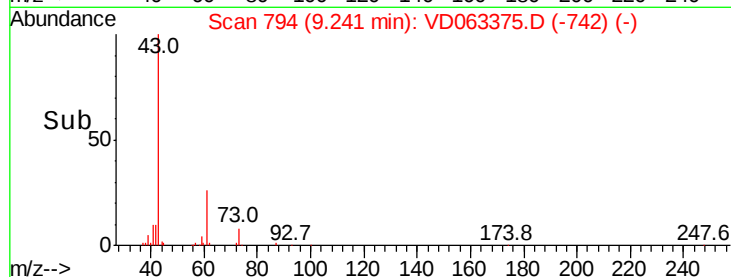
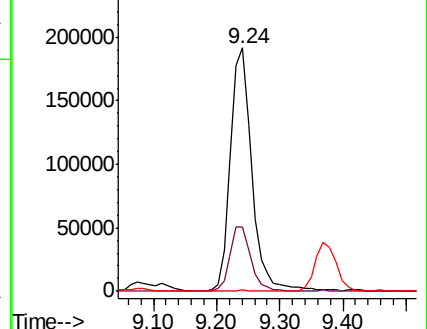
87 0.5 0.2 0.4#



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: 52.750 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD063375.D

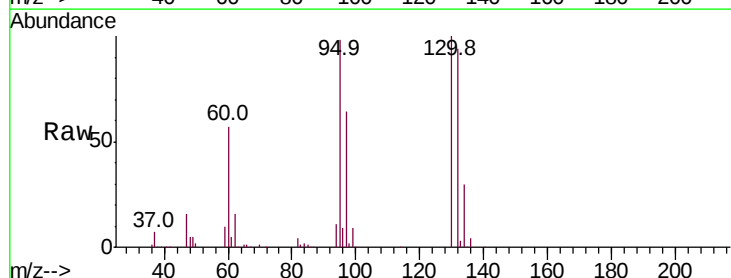
Acq: 5 Aug 2019 11:43

Tgt Ion:130 Resp: 640403

Ion Ratio Lower Upper

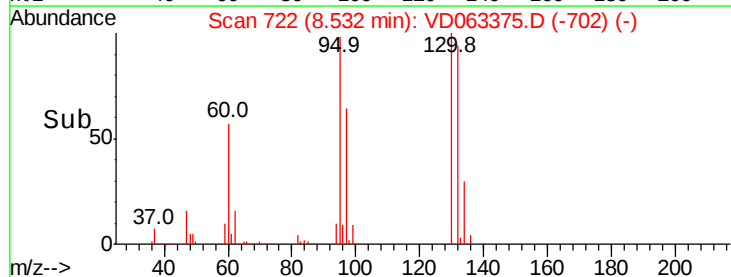
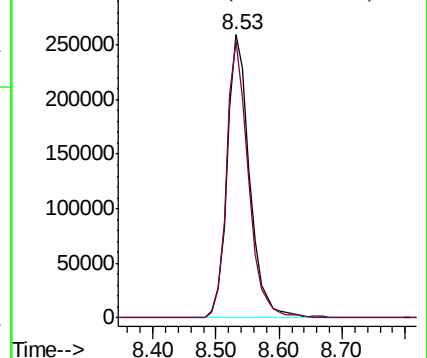
130 100

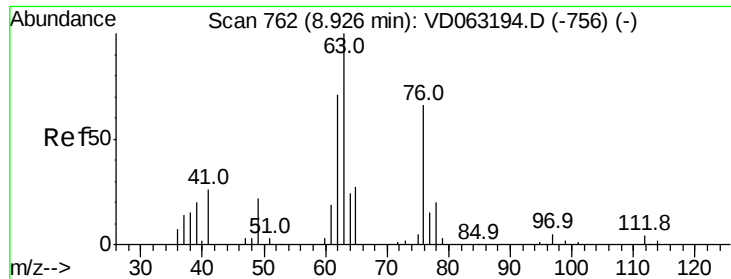
95 97.8 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.649 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

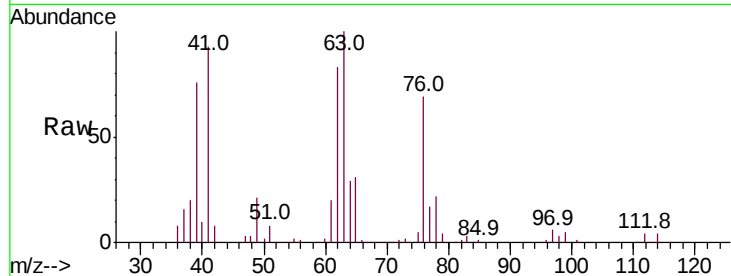
VSTDCCC050

Tot Ion: 63 Resp: 393316

Ion Ratio Lower Upper

63 100

65 31.0 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

150000

100000

50000

0

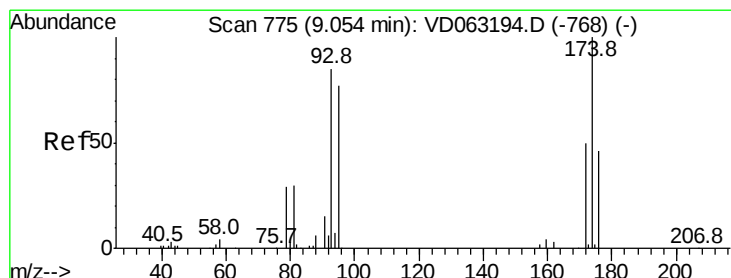
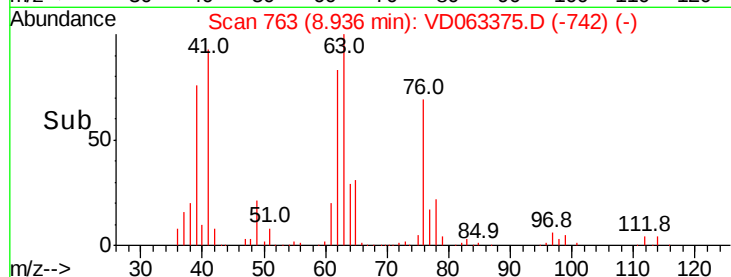
Time-->

8.80

8.90

9.00

9.10



#46

Dibromomethane

Concen: 52.586 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

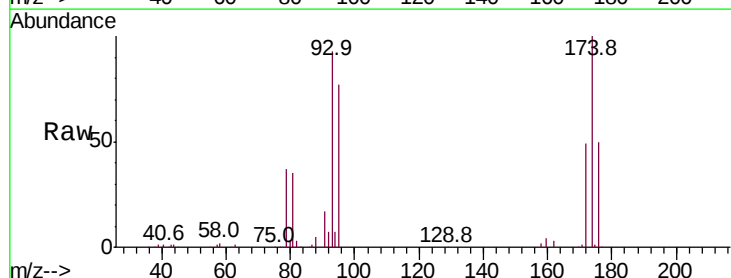
Tgt Ion: 93 Resp: 332970

Ion Ratio Lower Upper

93 100

95 82.4 72.8 109.2

174 107.5 94.4 141.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

200000

150000

100000

50000

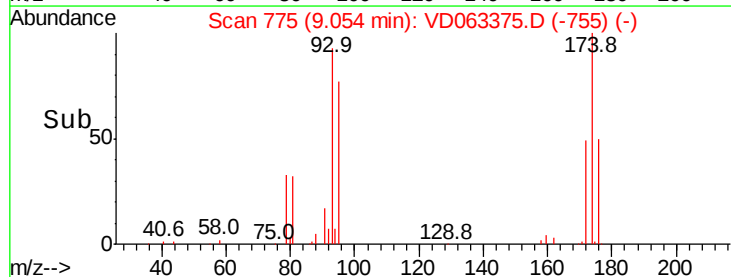
0

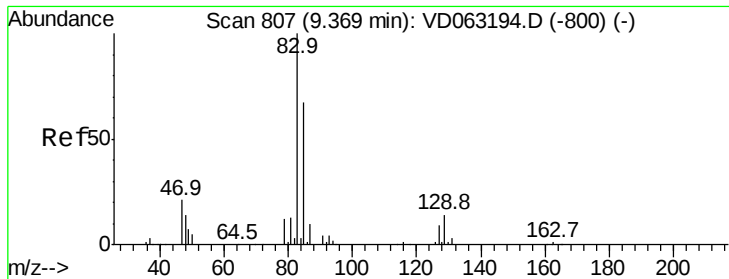
Time-->

9.00

9.10

9.20





#47

Bromodichloromethane

Concen: 55.121 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

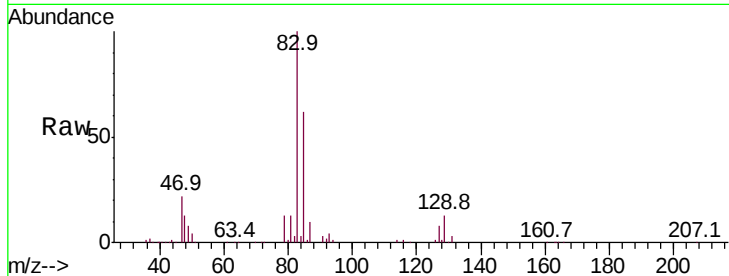
Tot Ion: 83 Resp: 889694

Ion Ratio Lower Upper

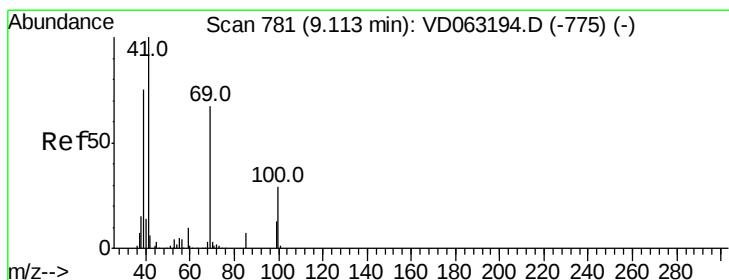
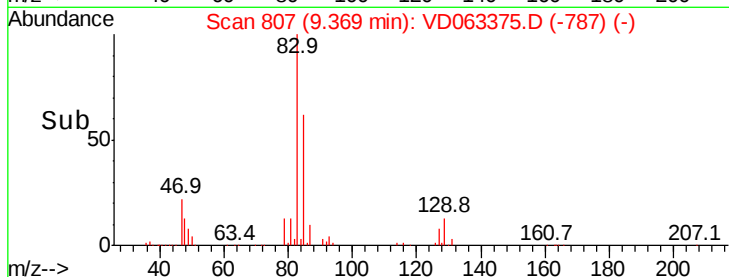
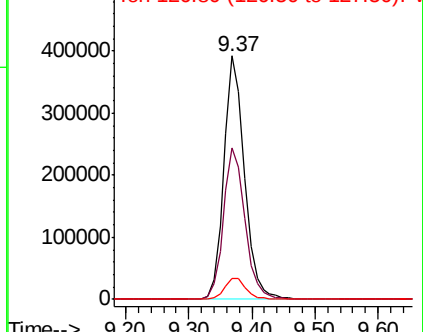
83 100

85 62.0 53.6 80.4

127 8.3 7.2 10.8



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: 53.995 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

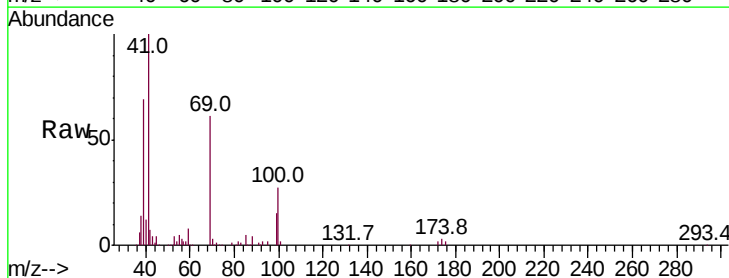
Tgt Ion: 41 Resp: 287290

Ion Ratio Lower Upper

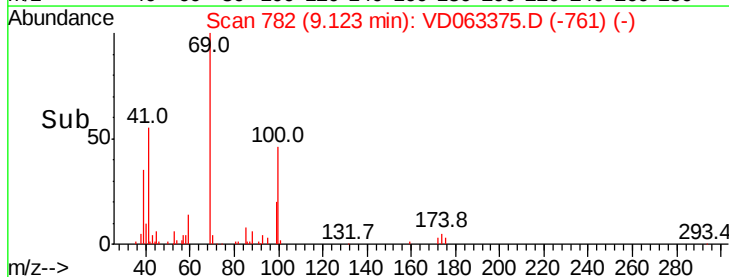
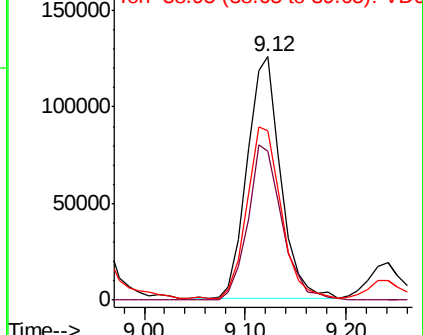
41 100

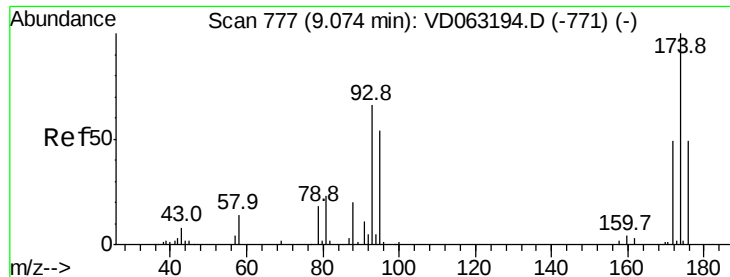
69 61.2 53.4 80.0

39 69.3 60.3 90.5



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

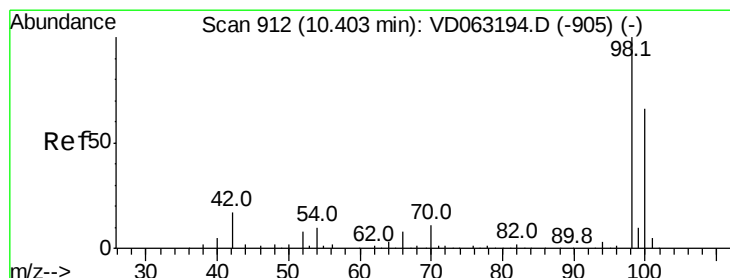
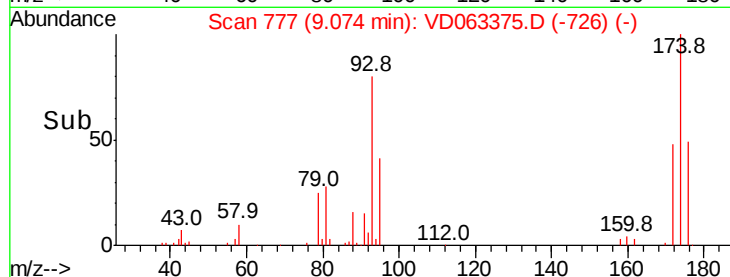
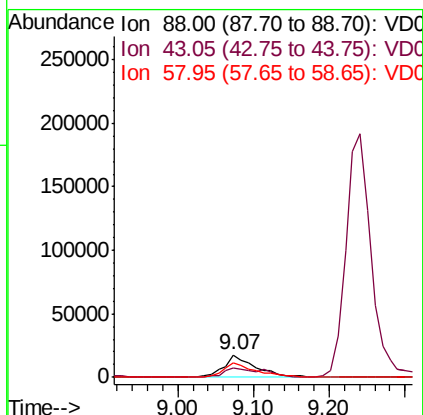
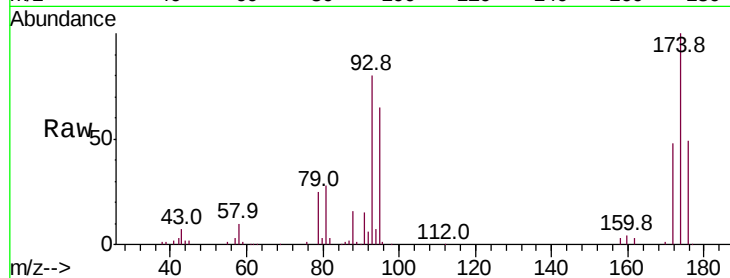




#49
1,4-Dioxane
Concen: 1134.356 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

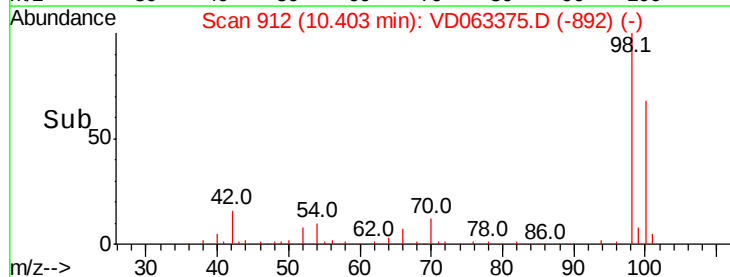
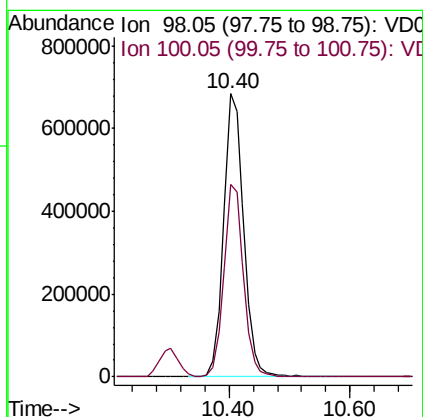
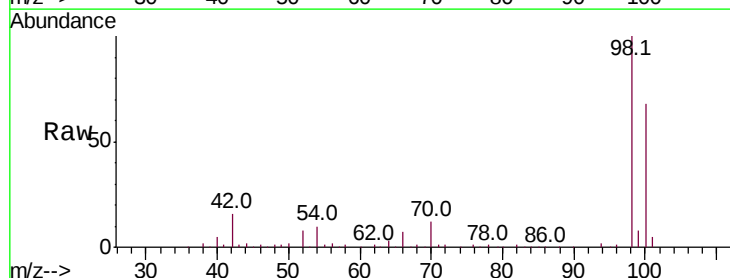
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

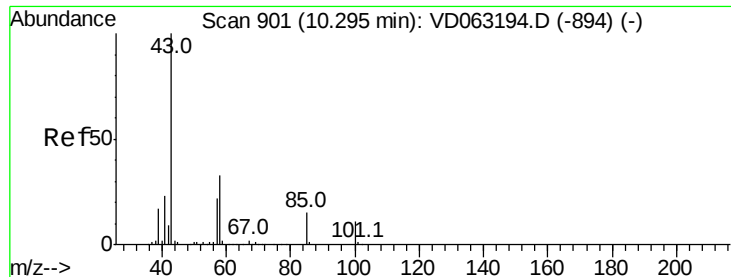
Tot Ion: 88 Resp: 51103
Ion Ratio Lower Upper
88 100
43 42.6 30.7 46.1
58 61.5 56.5 84.7



#50
Toluene-d8
Concen: 52.336 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Tgt Ion: 98 Resp: 1566422
Ion Ratio Lower Upper
98 100
100 67.9 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 273.673 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

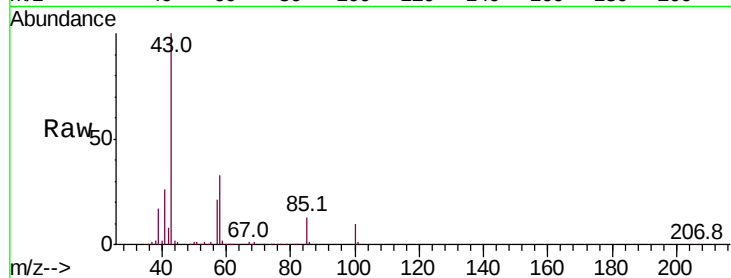
VSTDCCC050

Tot Ion: 43 Resp: 1526899

Ion Ratio Lower Upper

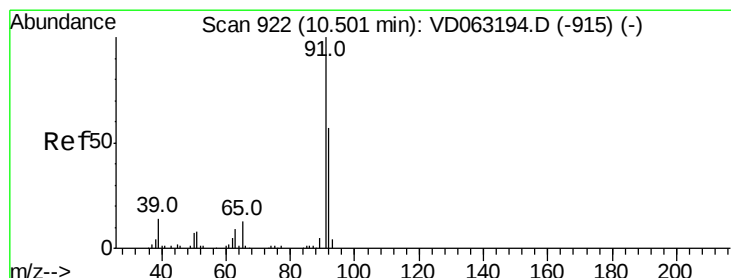
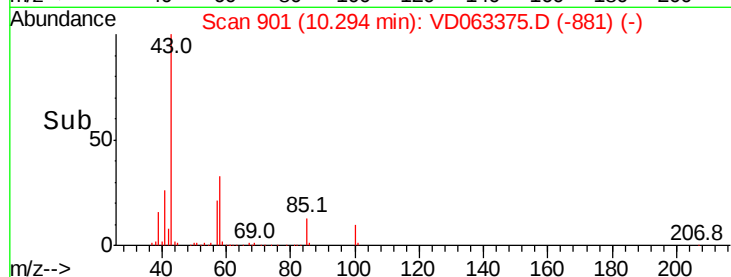
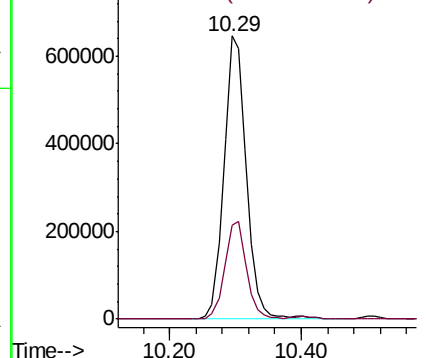
43 100

58 33.2 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 54.978 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD063375.D

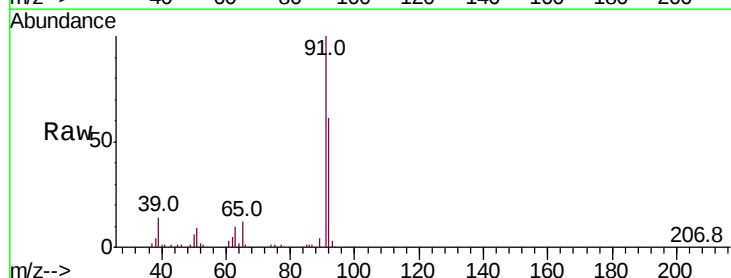
Acq: 5 Aug 2019 11:43

Tgt Ion: 92 Resp: 1095534

Ion Ratio Lower Upper

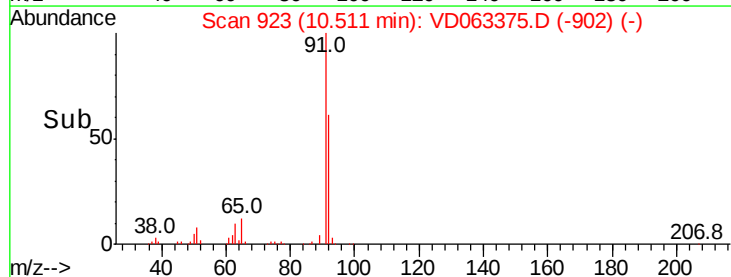
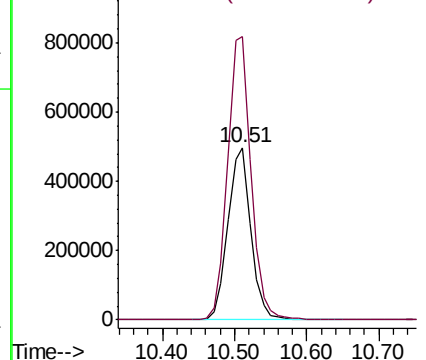
92 100

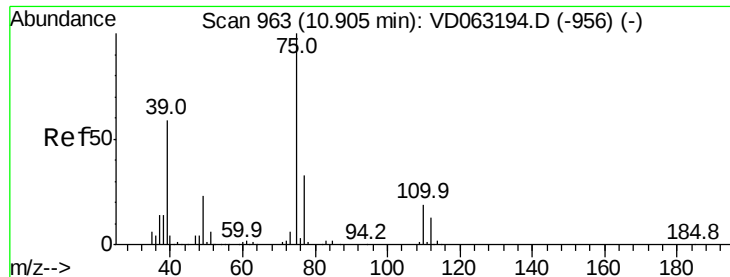
91 164.1 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

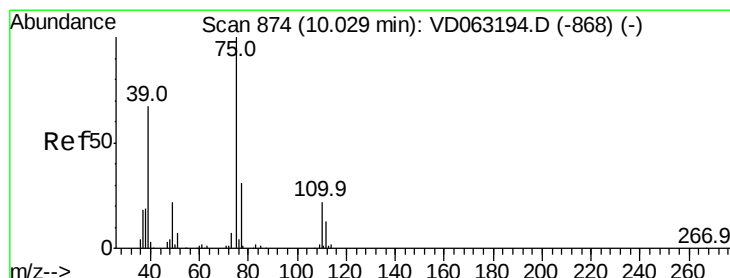
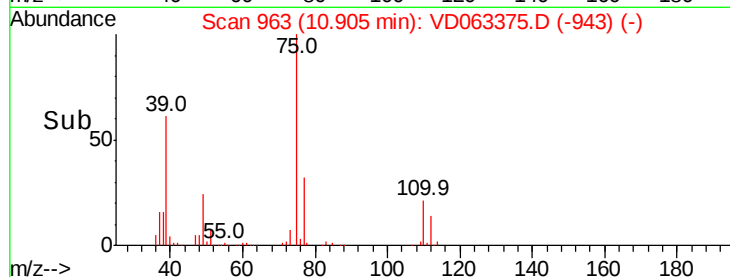
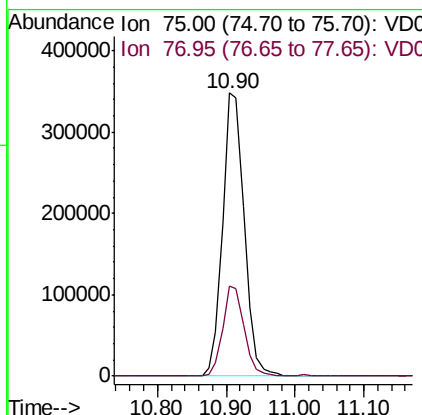
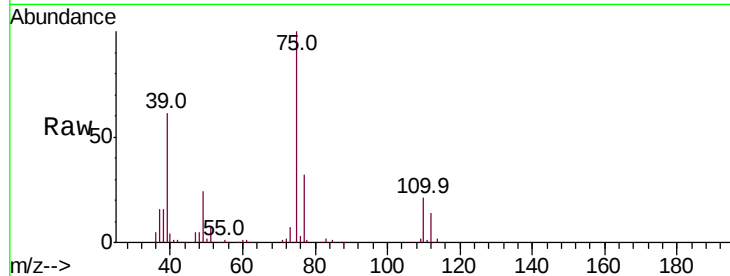




#53
 t-1,3-Dichloropropene
 Concen: 54.503 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD063375.D
 Acq: 5 Aug 2019 11:43

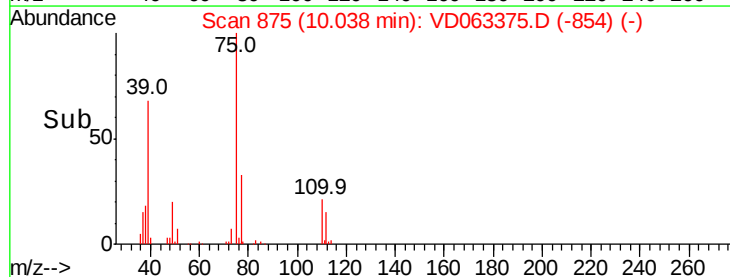
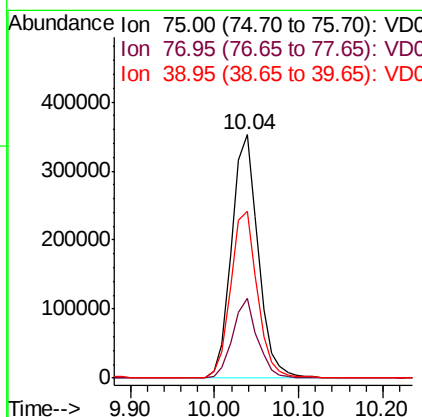
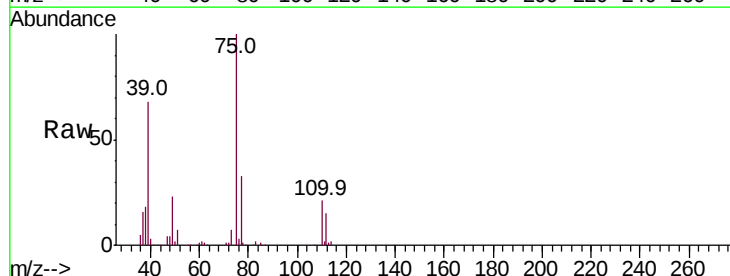
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

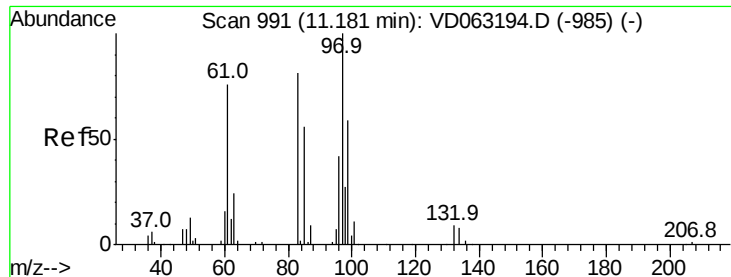
Tot Ion: 75 Resp: 758425
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 53.055 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD063375.D
 Acq: 5 Aug 2019 11:43

Tgt Ion: 75 Resp: 775917
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.9 37.3
 39 68.5 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 53.091 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 357295

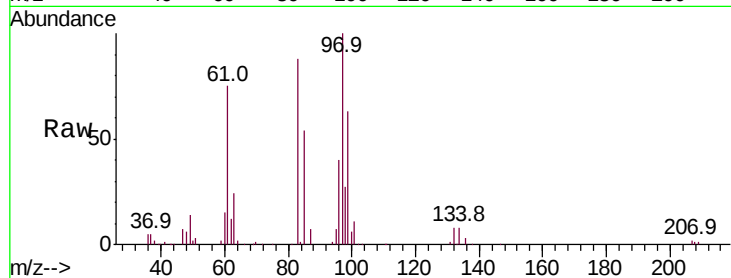
Ion Ratio Lower Upper

97 100

83 87.6 64.8 97.2

85 53.9 44.9 67.3

99 63.5 47.2 70.8

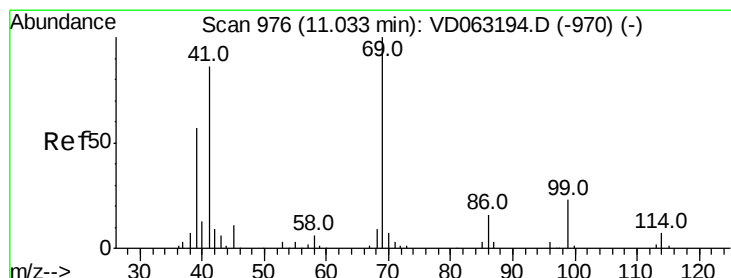
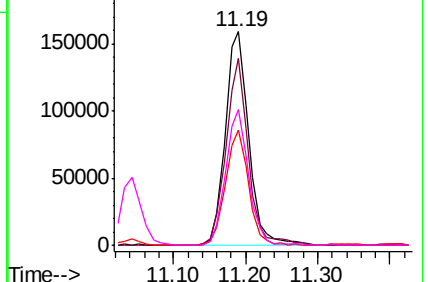
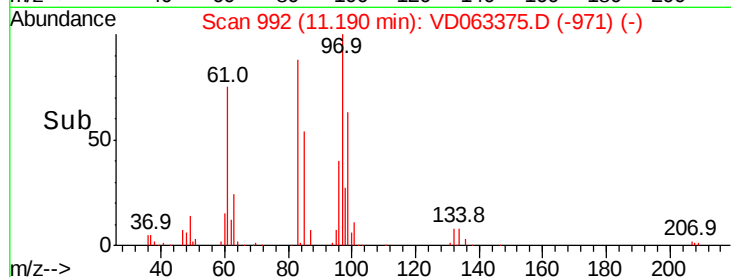


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 56.115 ug/l

RT: 11.04 min Scan# 977

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

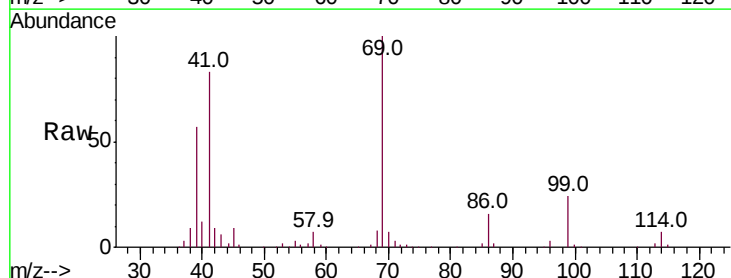
Tgt Ion: 69 Resp: 413532

Ion Ratio Lower Upper

69 100

41 83.0 68.8 103.2

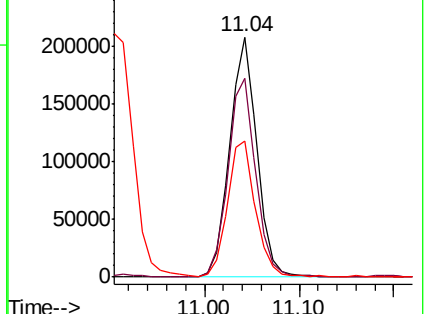
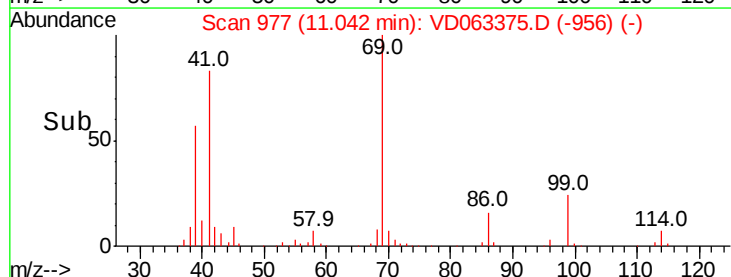
39 56.8 45.8 68.8

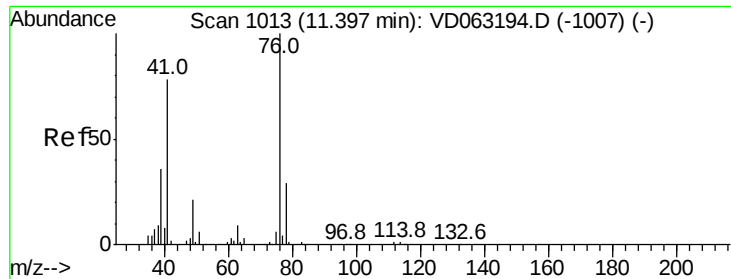


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 55.733 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

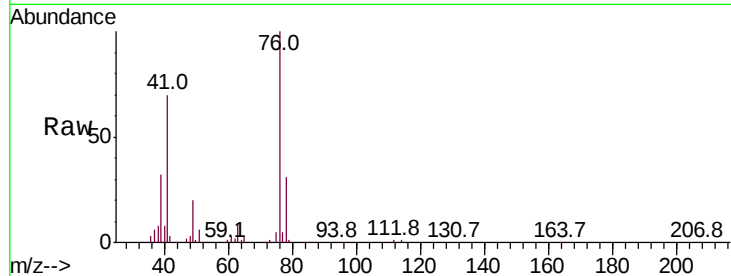
VSTDCCC050

Tot Ion: 76 Resp: 590973

Ion Ratio Lower Upper

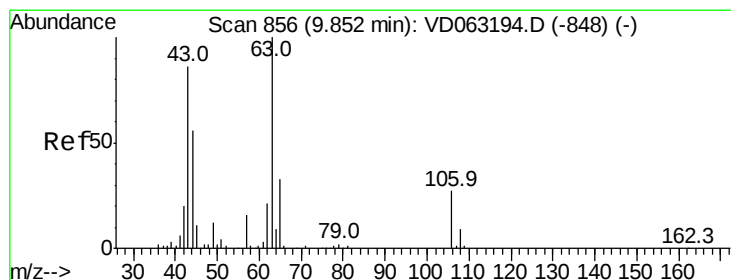
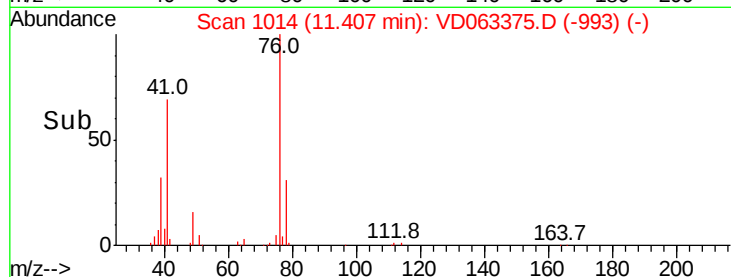
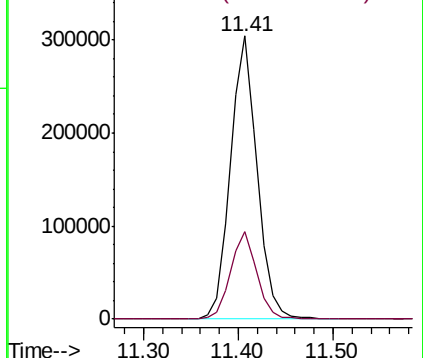
76 100

78 31.0 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 229.007 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD063375.D

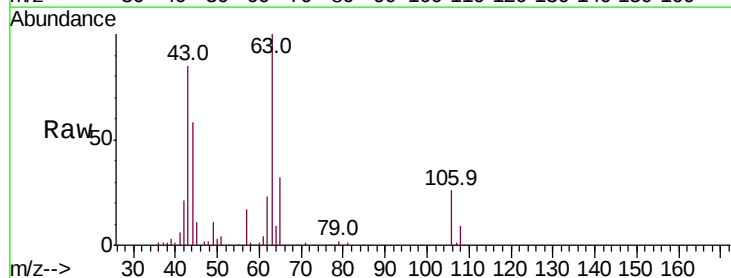
Acq: 5 Aug 2019 11:43

Tgt Ion: 63 Resp: 878152

Ion Ratio Lower Upper

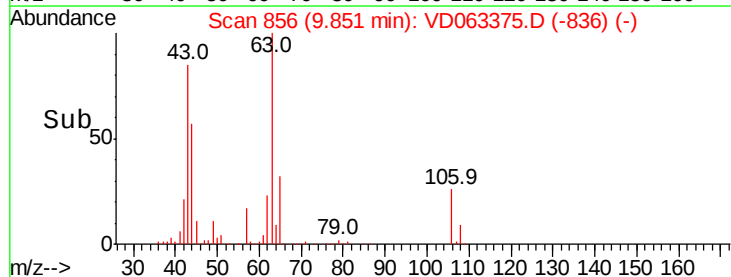
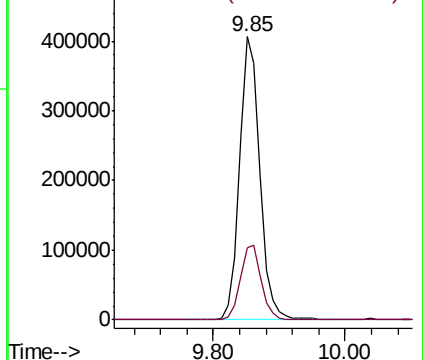
63 100

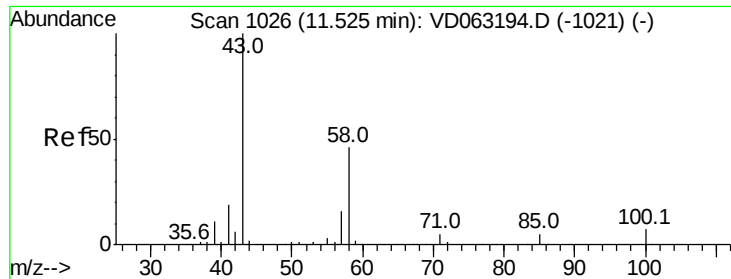
106 25.7 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

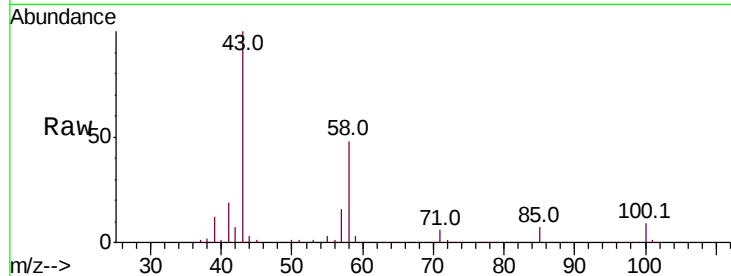




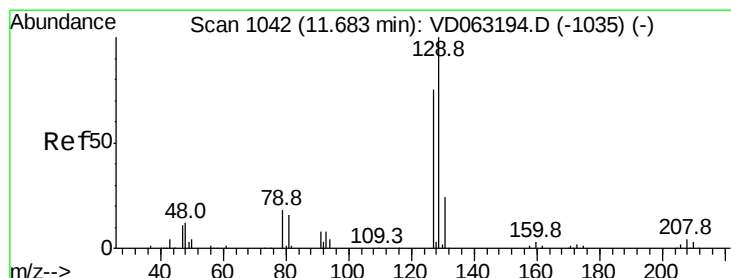
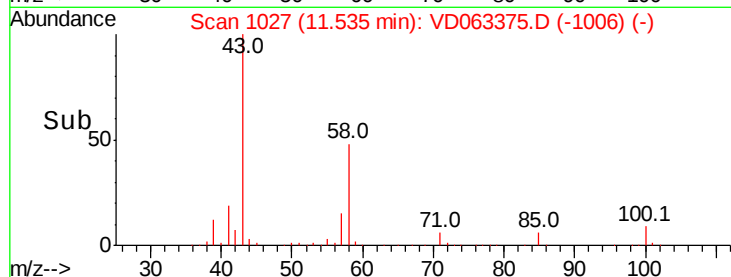
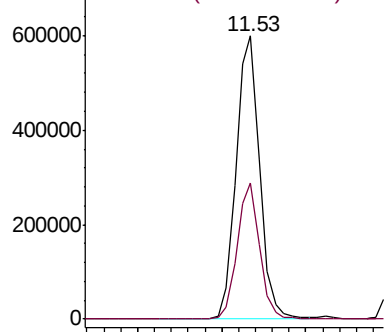
#59
2-Hexanone
Concen: 293.131 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1178583
Ion Ratio Lower Upper
43 100
58 48.2 22.9 68.5

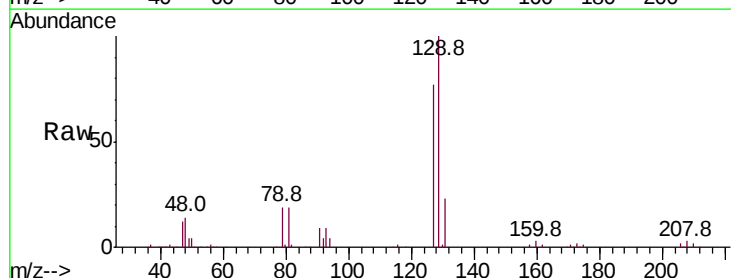


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

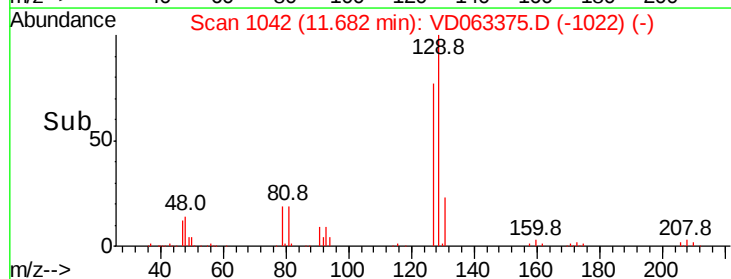
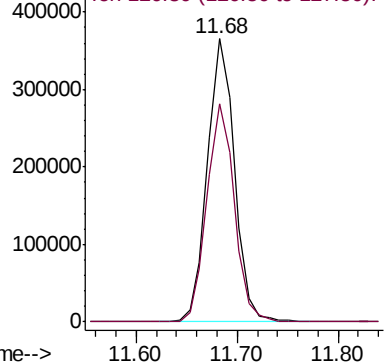


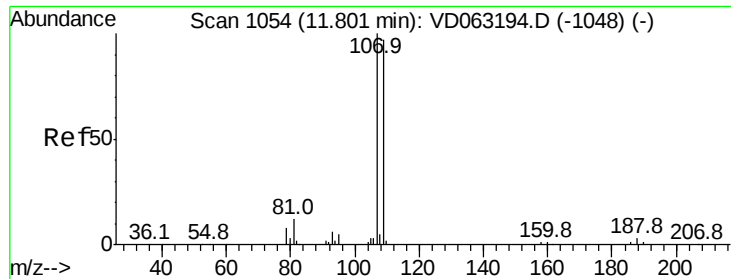
#60
Dibromochloromethane
Concen: 53.845 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Tgt Ion:129 Resp: 684094
Ion Ratio Lower Upper
129 100
127 77.1 37.6 112.8



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

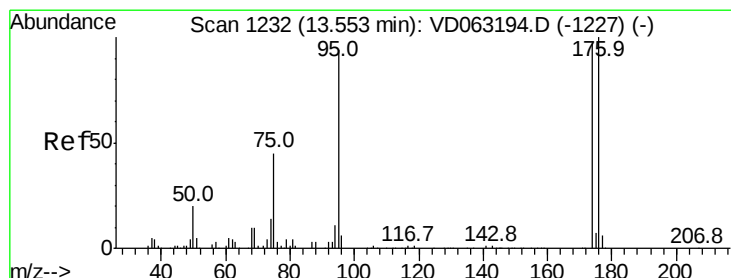
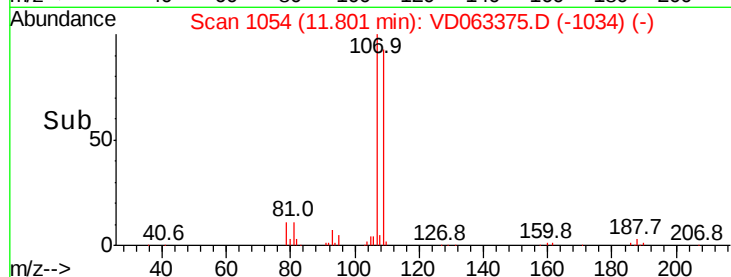
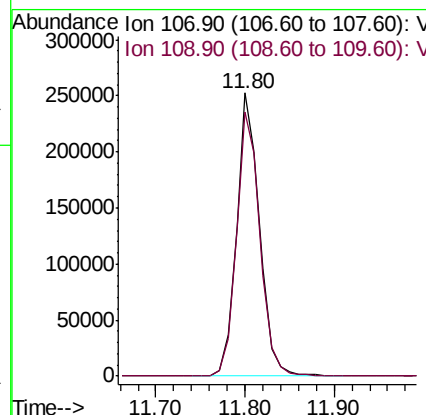
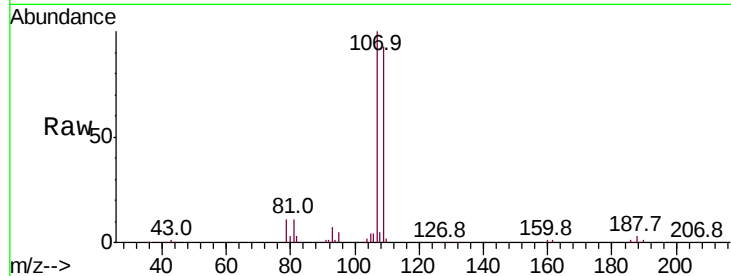




#61
 1,2-Dibromoethane
 Concen: 54.580 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD063375.D
 Acq: 5 Aug 2019 11:43

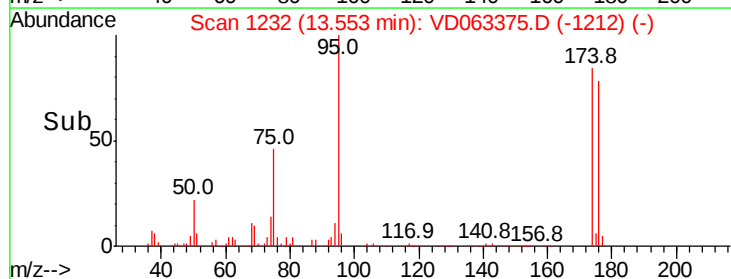
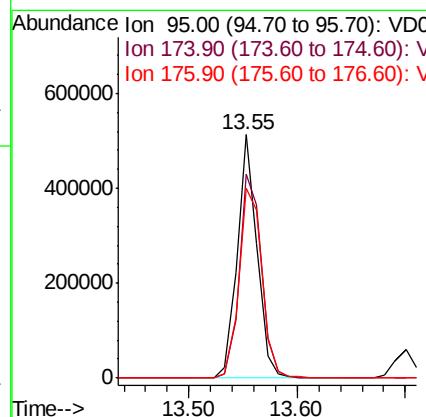
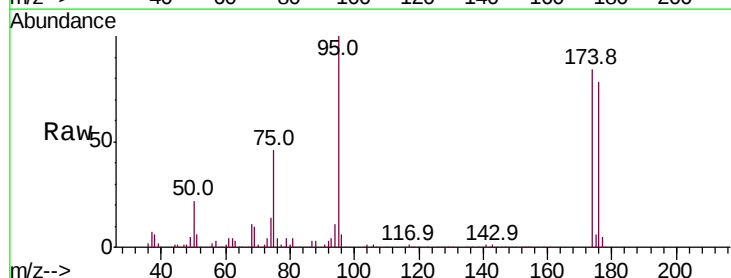
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

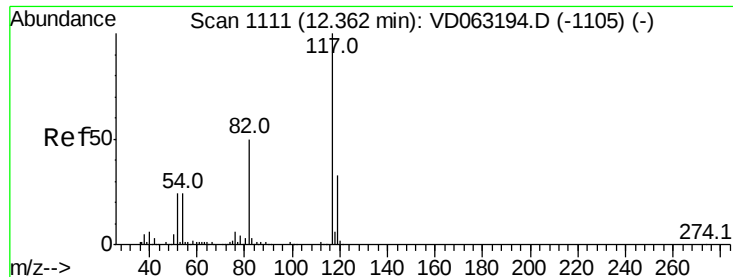
Tot Ion:107 Resp: 453246
 Ion Ratio Lower Upper
 107 100
 109 93.4 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 48.035 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063375.D
 Acq: 5 Aug 2019 11:43

Tgt Ion: 95 Resp: 655146
 Ion Ratio Lower Upper
 95 100
 174 83.7 0.0 205.4
 176 78.2 0.0 211.8

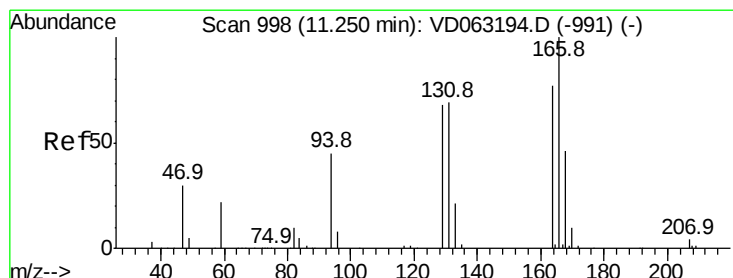
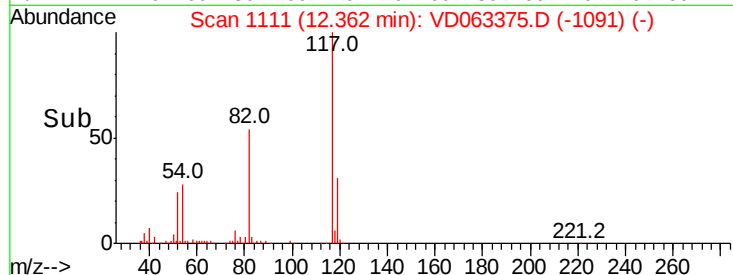
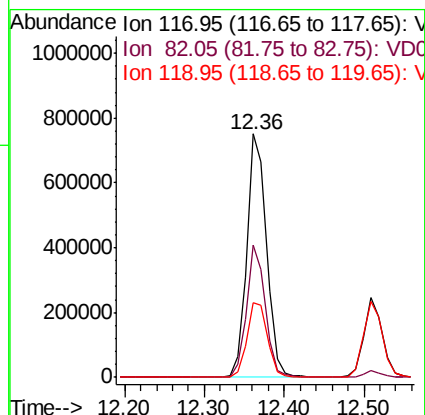
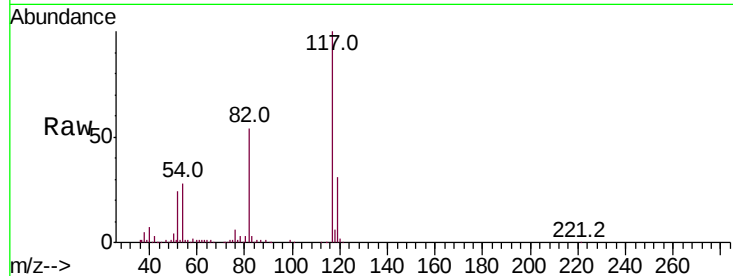




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

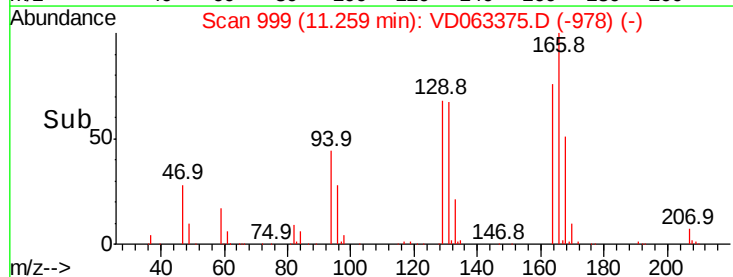
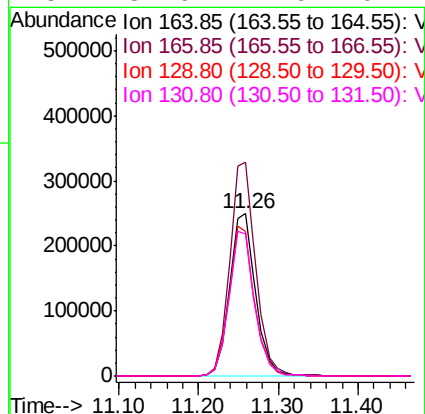
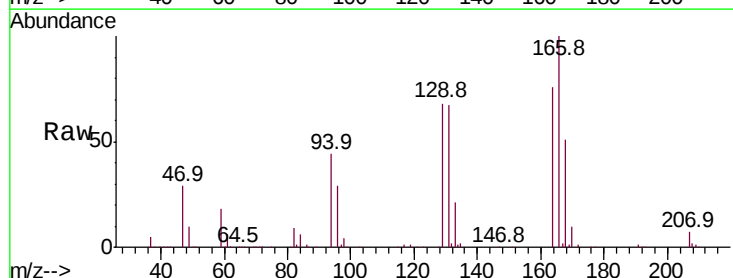
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

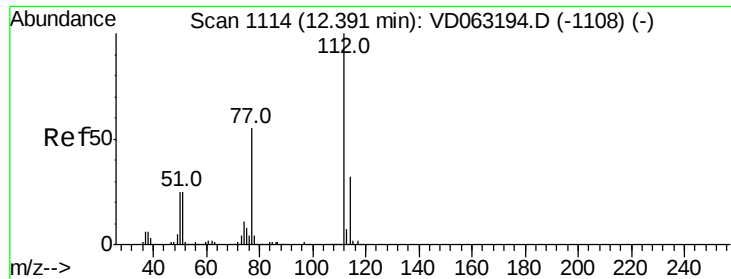
Tot Ion:117 Resp: 1271469
Ion Ratio Lower Upper
117 100
82 54.2 40.1 60.1
119 30.8 26.5 39.7



#64
Tetrachloroethene
Concen: 56.134 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Tgt Ion:164 Resp: 568604
Ion Ratio Lower Upper
164 100
166 131.5 104.3 156.5
129 88.8 70.9 106.3
131 87.6 71.6 107.4

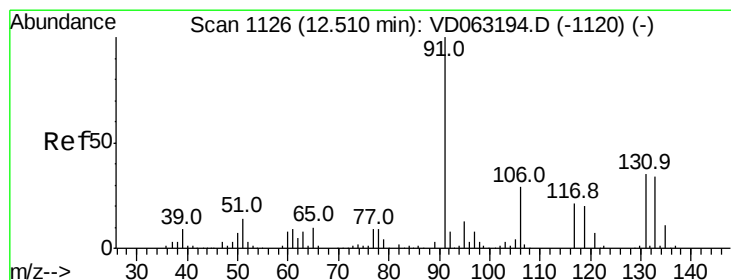
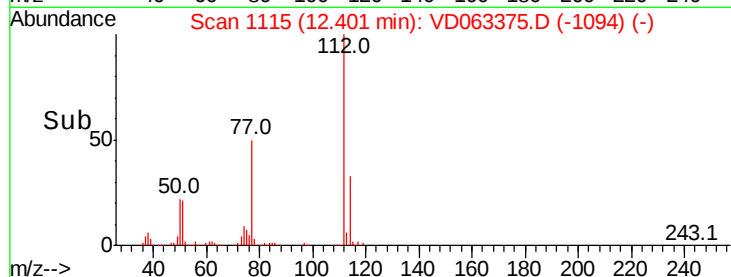
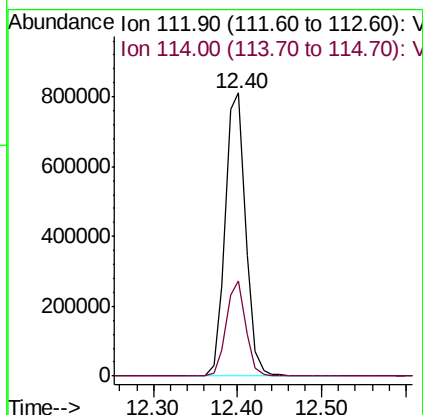
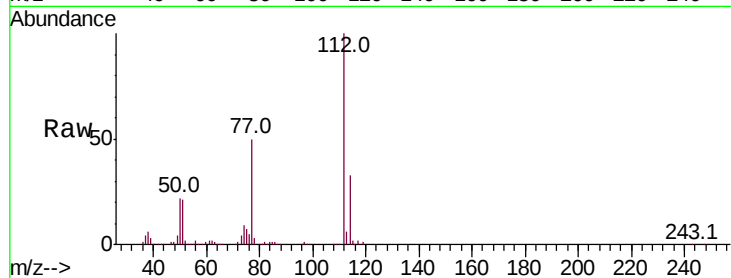




#65
Chlorobenzene
Concen: 56.059 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

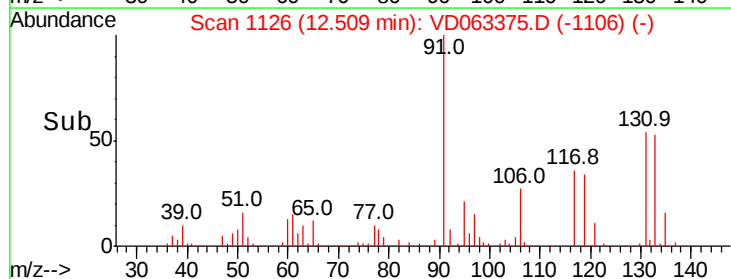
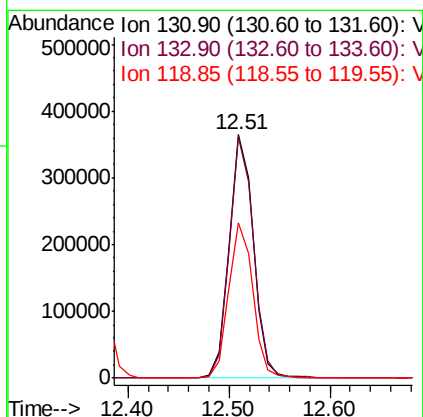
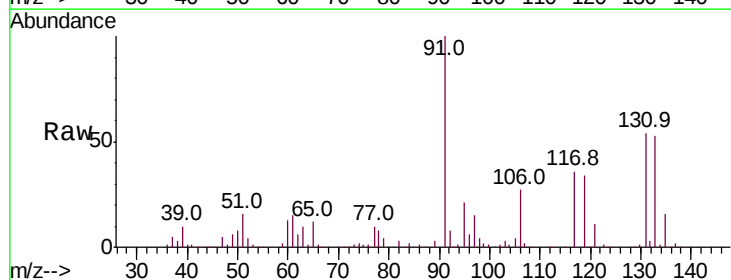
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

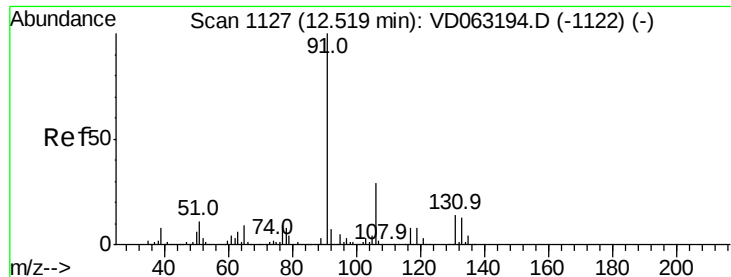
Tot Ion:112 Resp: 1370985
Ion Ratio Lower Upper
112 100
114 33.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 56.180 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Tgt Ion:131 Resp: 605210
Ion Ratio Lower Upper
131 100
133 99.0 48.4 145.2
119 63.8 29.1 87.3

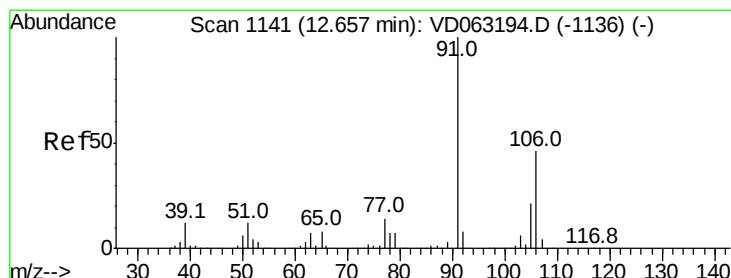
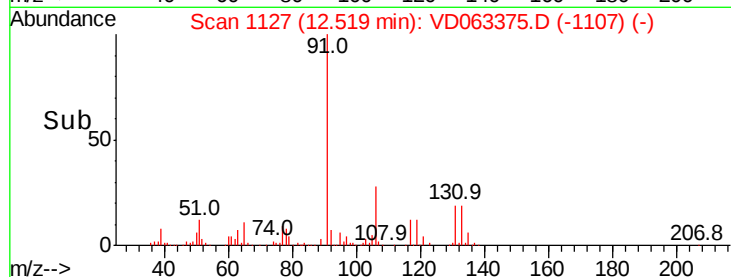
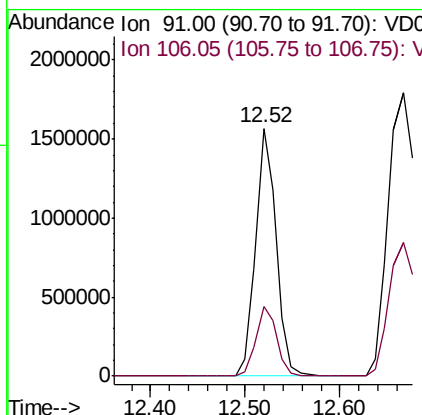
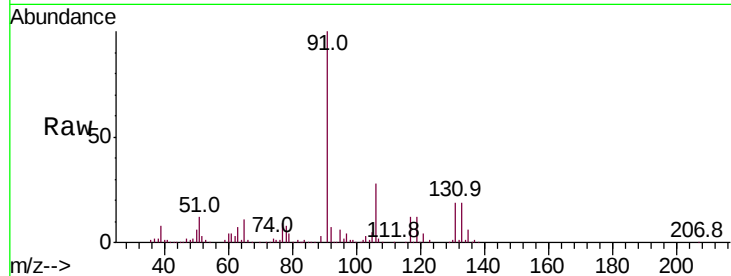




#67
Ethyl Benzene
Concen: 56.842 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

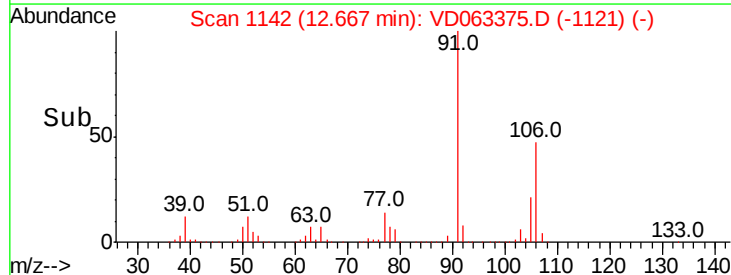
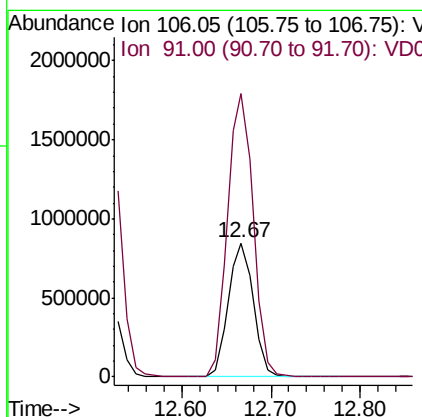
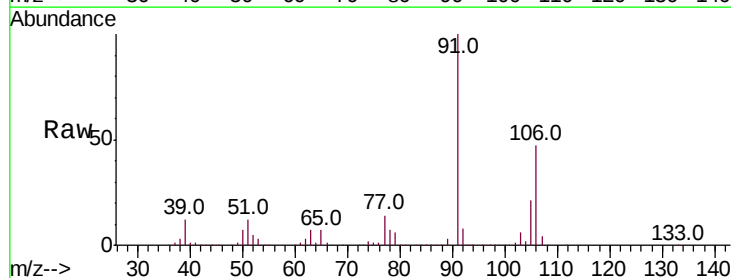
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

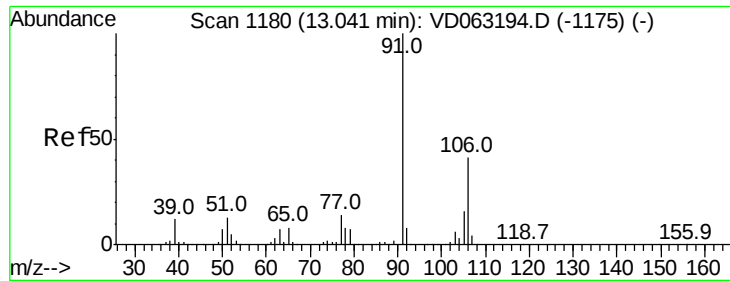
Tot Ion: 91 Resp: 2361501
Ion Ratio Lower Upper
91 100
106 28.1 22.9 34.3



#68
m/p-Xylenes
Concen: 110.082 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Tgt Ion:106 Resp: 1677200
Ion Ratio Lower Upper
106 100
91 211.7 172.6 259.0

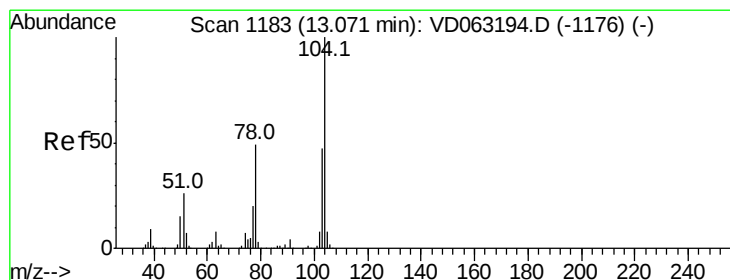
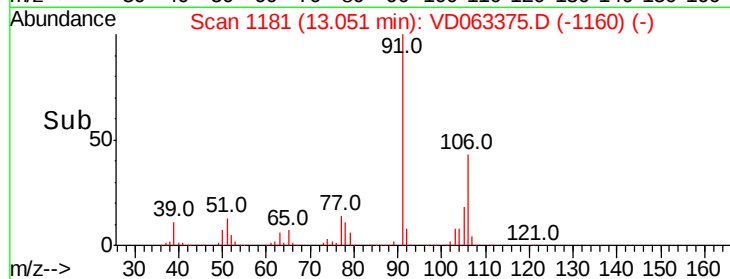
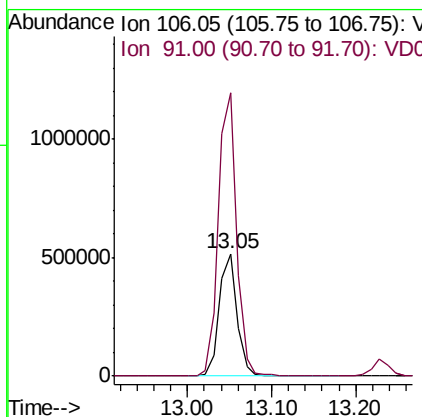
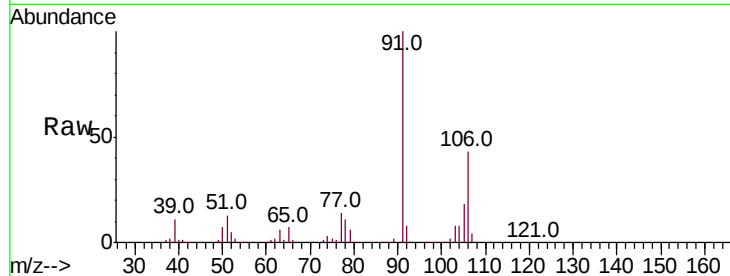




#69
o-Xylene
Concen: 54.515 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

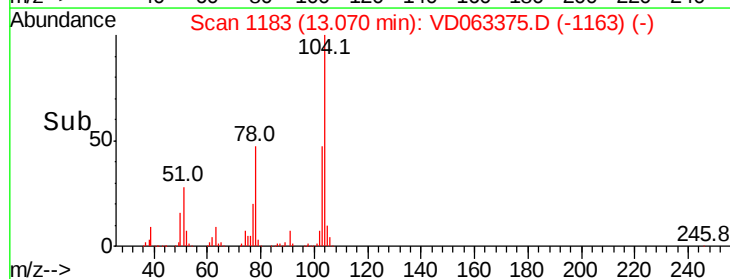
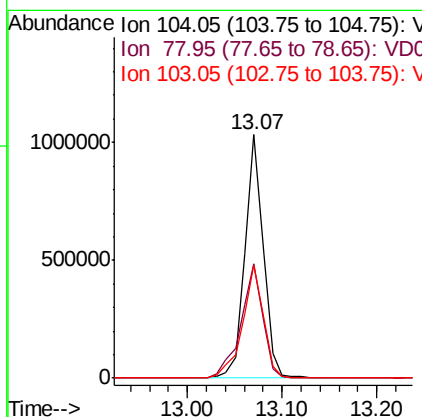
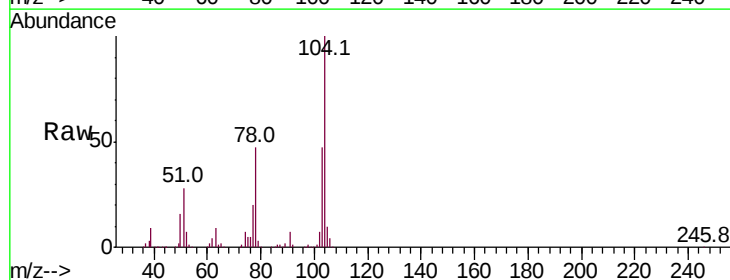
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

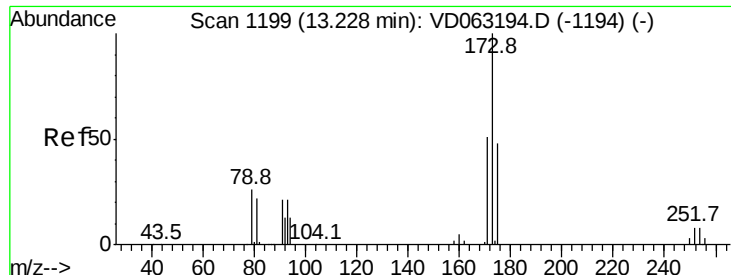
Tot Ion:106 Resp: 762739
Ion Ratio Lower Upper
106 100
91 230.9 121.3 363.9



#70
Styrene
Concen: 55.711 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Tgt Ion:104 Resp: 1382337
Ion Ratio Lower Upper
104 100
78 46.8 39.4 59.0
103 46.5 37.4 56.2

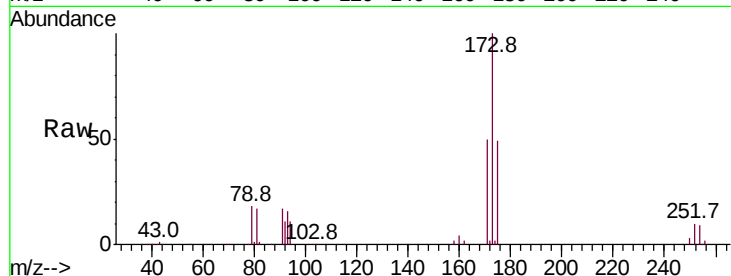




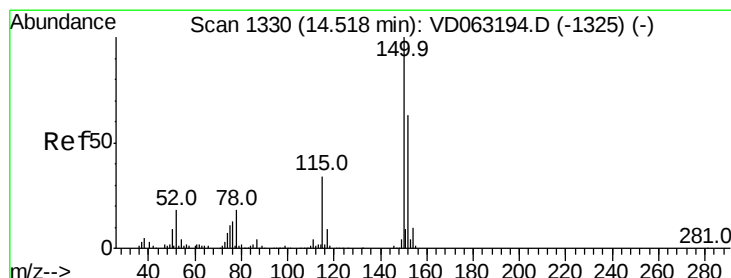
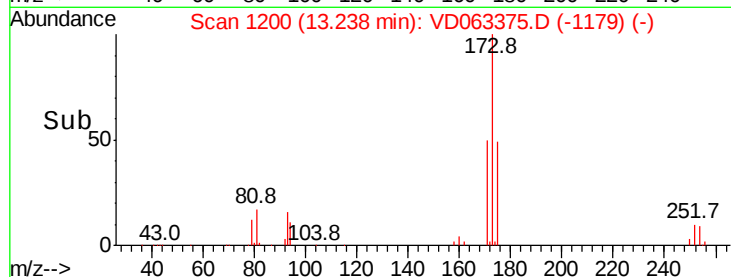
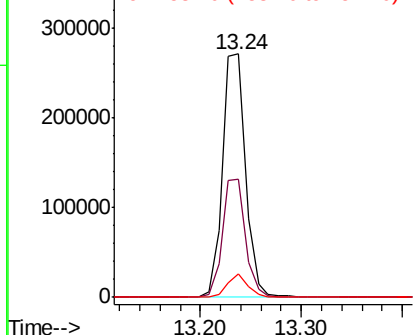
#71
Bromoform
Concen: 55.132 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 431907
Ion Ratio Lower Upper
173 100
175 48.7 23.8 71.5
254 9.4 6.6 10.0

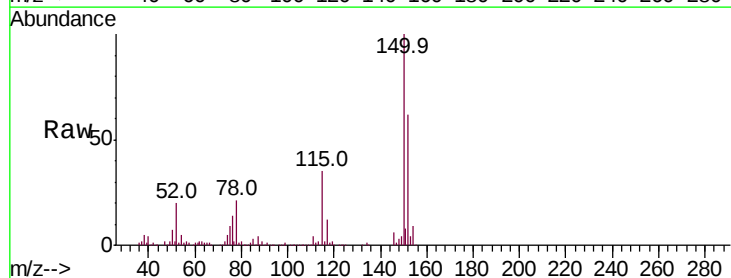


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

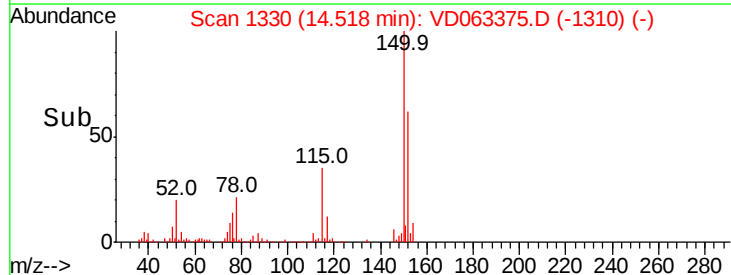
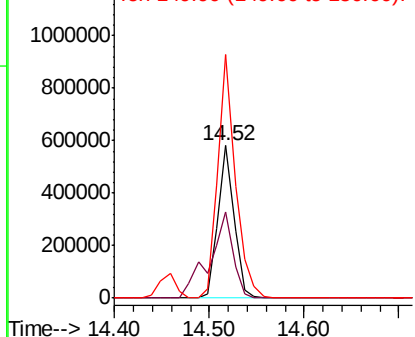


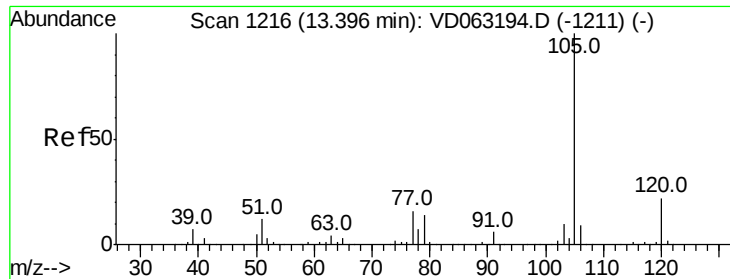
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Tgt Ion:152 Resp: 690262
Ion Ratio Lower Upper
152 100
115 56.4 27.5 82.4
150 160.0 0.0 320.6



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: 53.410 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

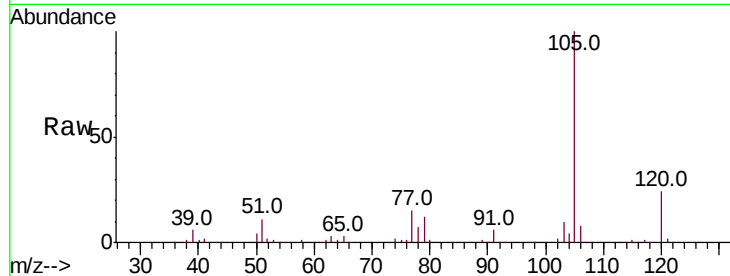
VSTDCCC050

Tot Ion:105 Resp: 2313878

Ion Ratio Lower Upper

105 100

120 23.6 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

1500000

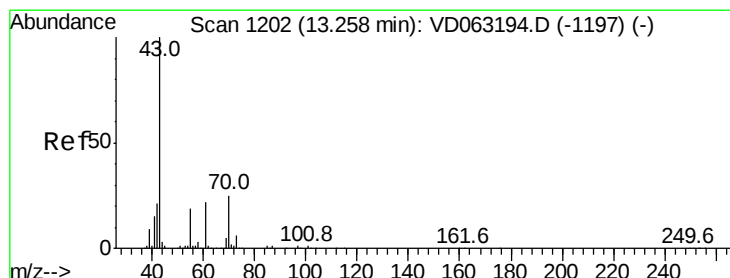
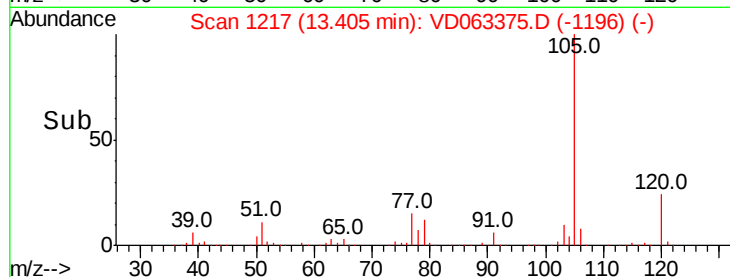
1000000

500000

0

Time-->

13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 51.614 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Tgt Ion: 43 Resp: 591122

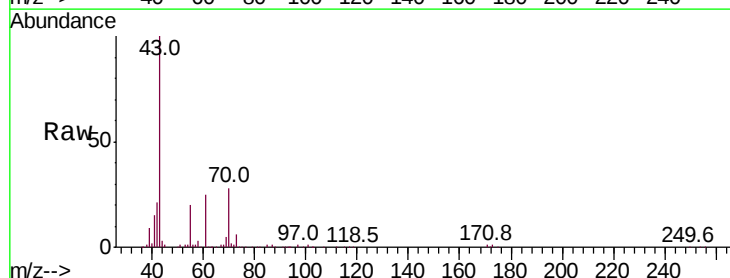
Ion Ratio Lower Upper

43 100

70 28.0 20.2 30.4

55 19.5 14.9 22.3

61 24.8 17.9 26.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

600000

500000

400000

300000

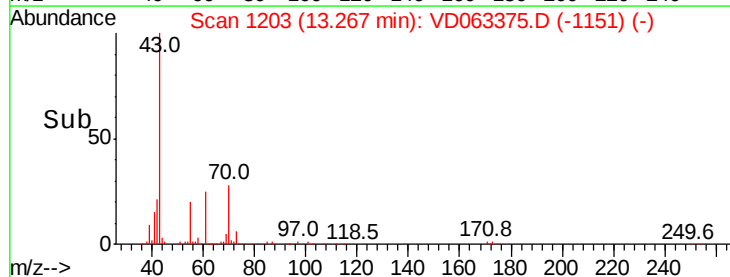
200000

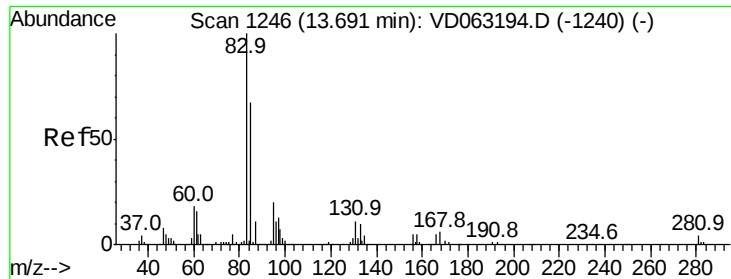
100000

0

Time-->

13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 57.429 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

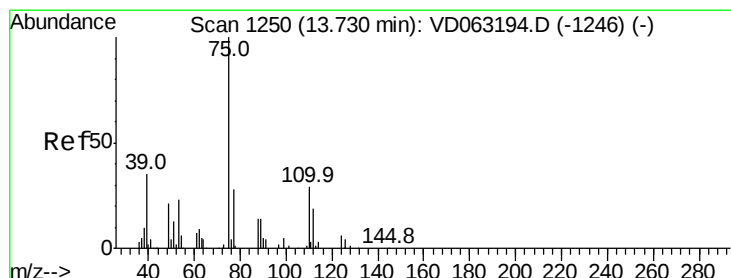
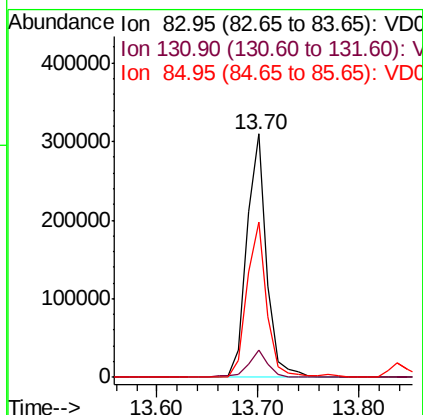
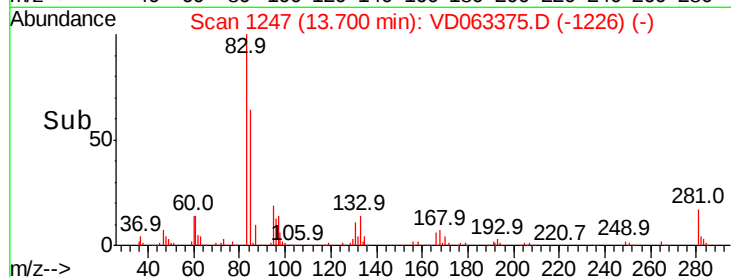
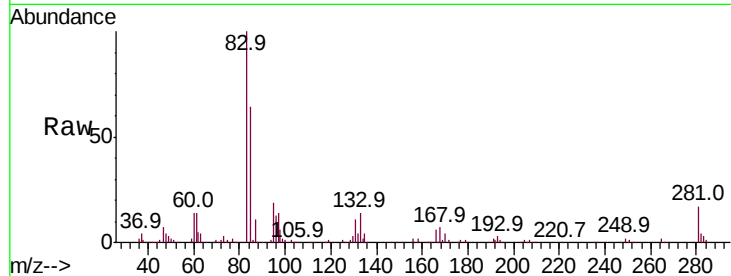
Tot Ion: 83 Resp: 422619

Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.5	16.7
85	63.5	33.7	101.1

83 100

131 11.5 5.5 16.7

85 63.5 33.7 101.1



#76

1,2,3-Trichloropropane

Concen: 55.211 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063375.D

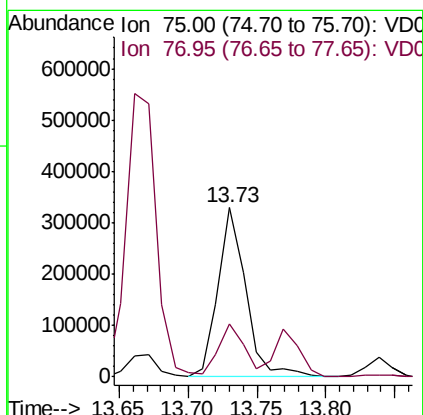
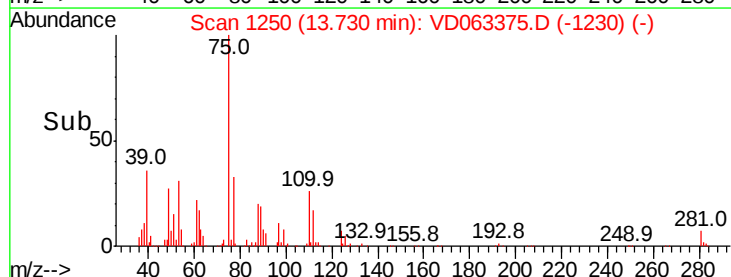
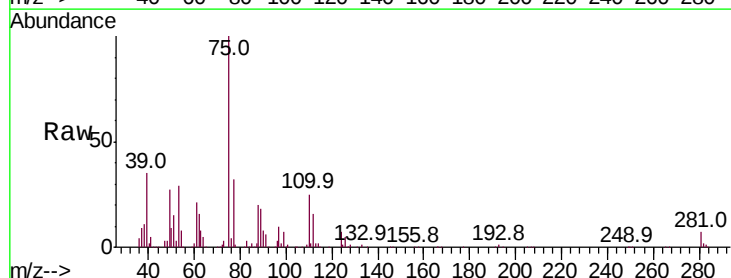
Acq: 5 Aug 2019 11:43

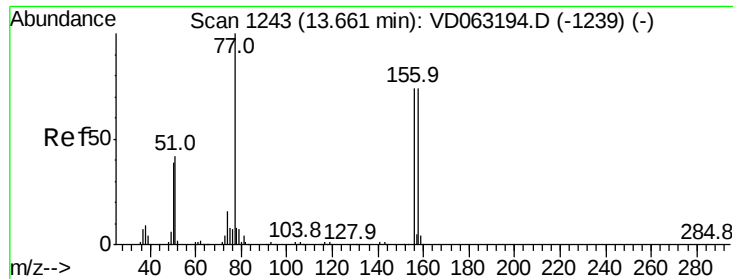
Tgt Ion: 75 Resp: 457748

Ion	Ratio	Lower	Upper
75	100		
77	31.7	16.0	48.0

75 100

77 31.7 16.0 48.0

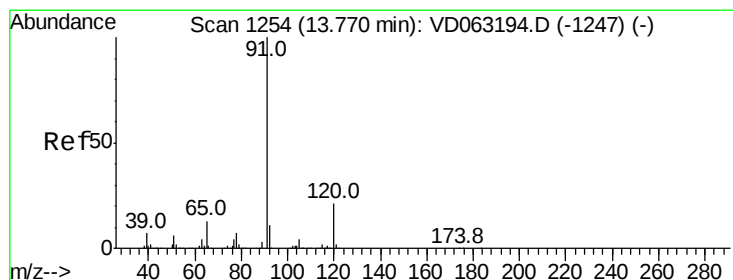
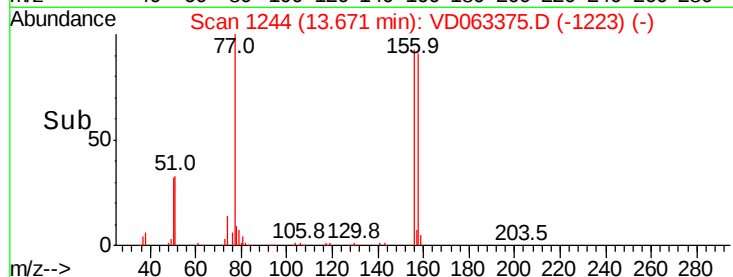
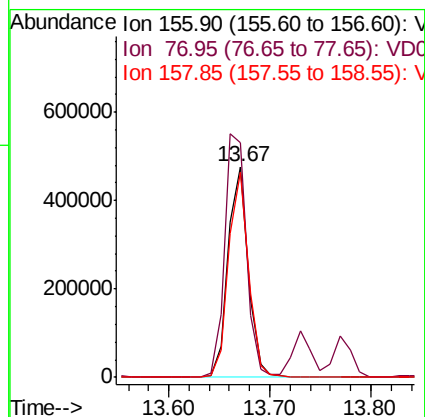
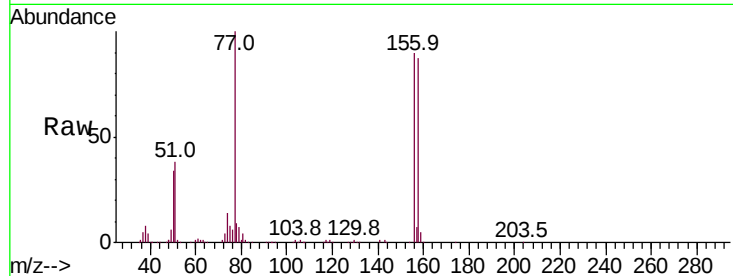




#77
Bromobenzene
Concen: 53.624 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

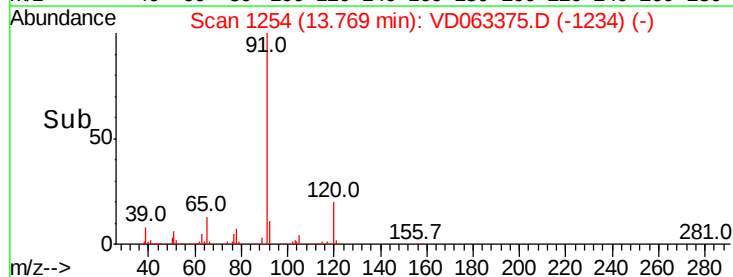
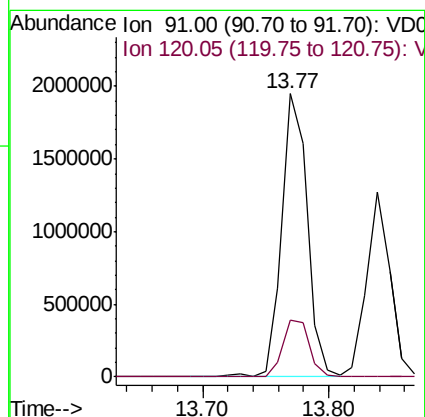
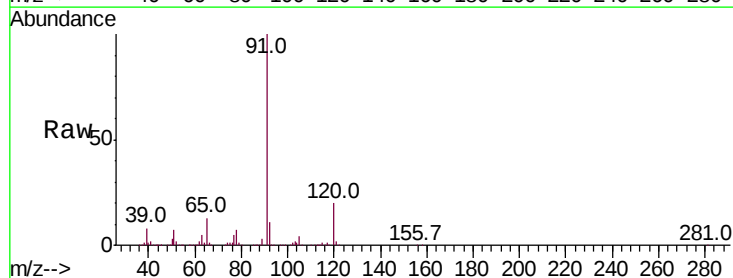
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

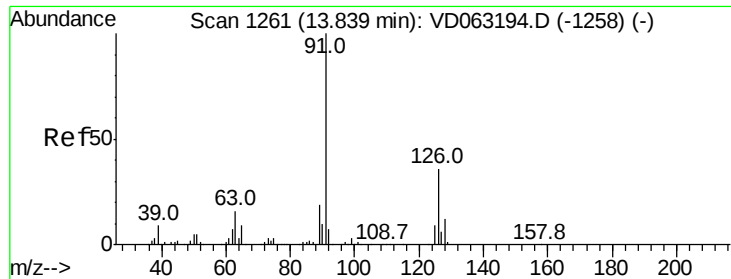
Tot Ion:156 Resp: 661797
Ion Ratio Lower Upper
156 100
77 111.3 67.6 202.8
158 97.2 49.8 149.4



#78
n-propylbenzene
Concen: 53.447 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Tgt Ion: 91 Resp: 2755495
Ion Ratio Lower Upper
91 100
120 19.9 10.7 32.1

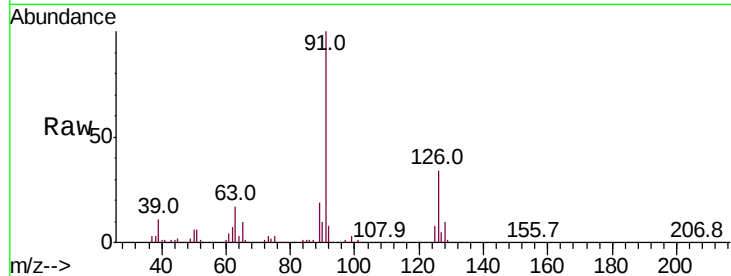




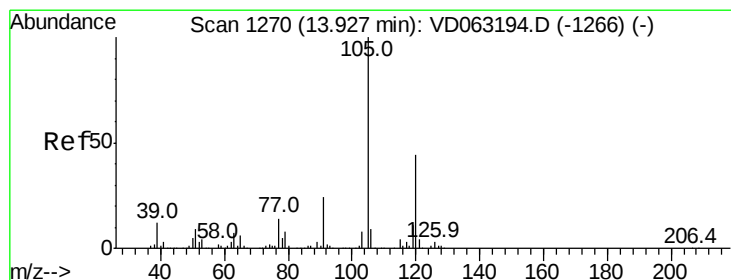
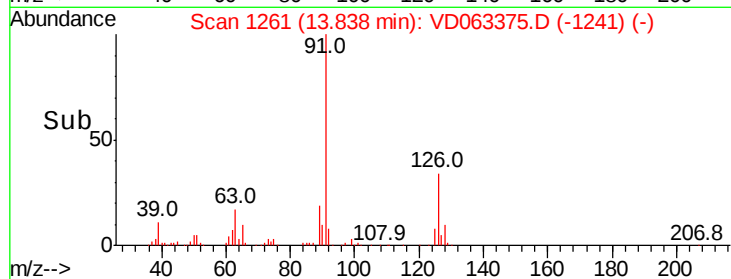
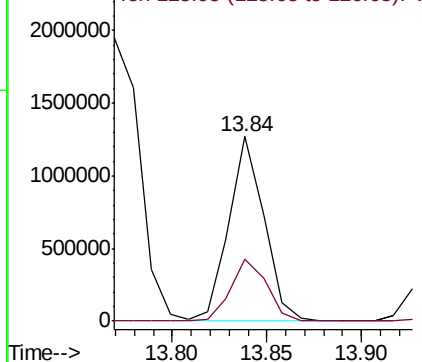
#79
 2-Chlorotoluene
 Concen: 54.609 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063375.D
 Acq: 5 Aug 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1631330
 Ion Ratio Lower Upper
 91 100
 126 33.5 17.8 53.5

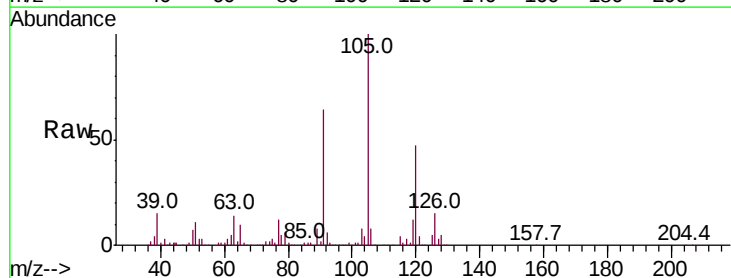


Abundance Ion 91.00 (90.70 to 91.70): VD
 Ion 125.95 (125.65 to 126.65): V

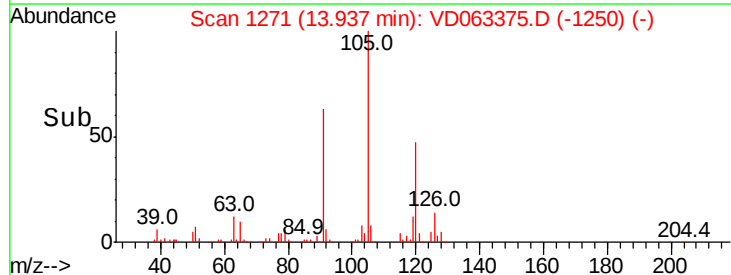
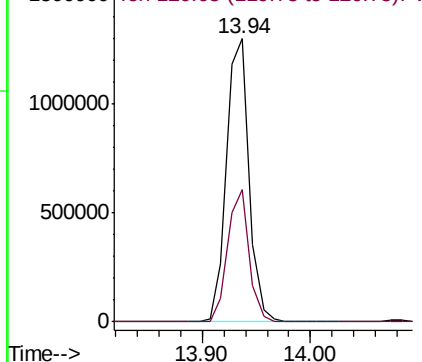


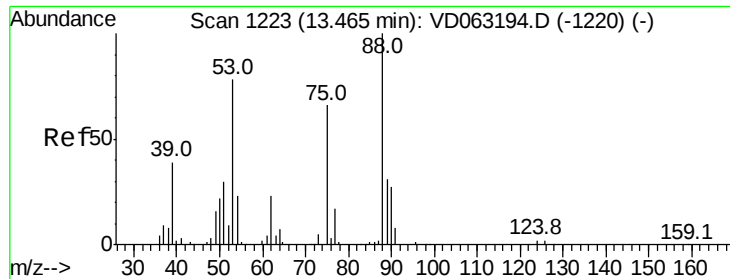
#80
 1,3,5-Trimethylbenzene
 Concen: 50.488 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD063375.D
 Acq: 5 Aug 2019 11:43

Tgt Ion:105 Resp: 1886536
 Ion Ratio Lower Upper
 105 100
 120 46.9 22.1 66.1



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: 51.877 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

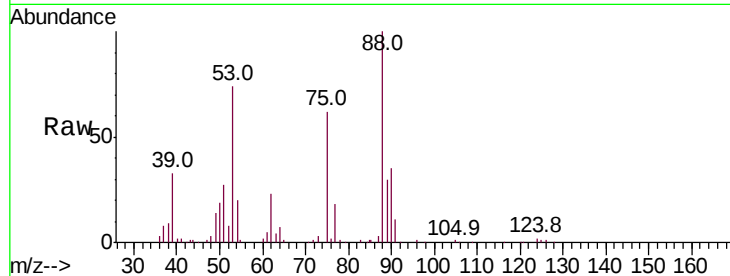
Tot Ion: 75 Resp: 119433

Ion Ratio Lower Upper

75 100

53 119.4 94.9 142.3

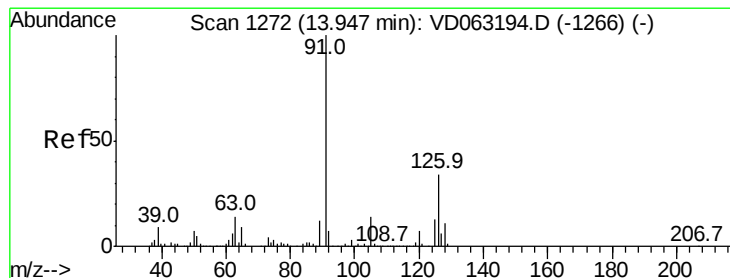
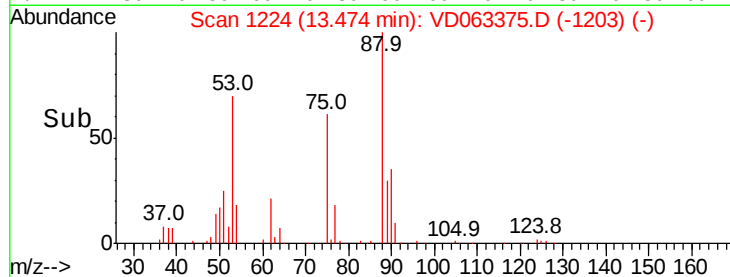
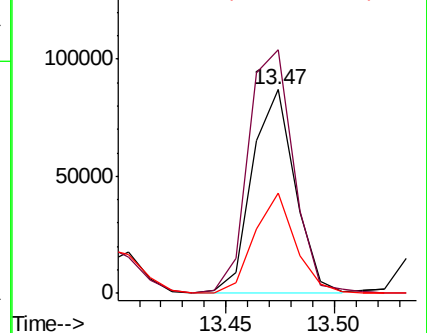
89 49.0 37.4 56.0



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: 52.180 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063375.D

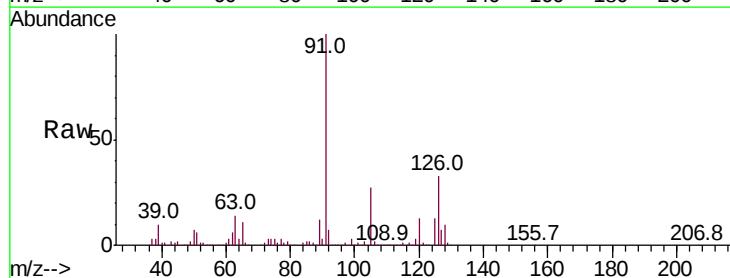
Acq: 5 Aug 2019 11:43

Tgt Ion: 91 Resp: 1834469

Ion Ratio Lower Upper

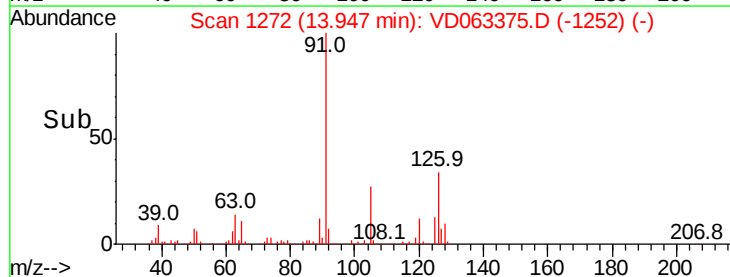
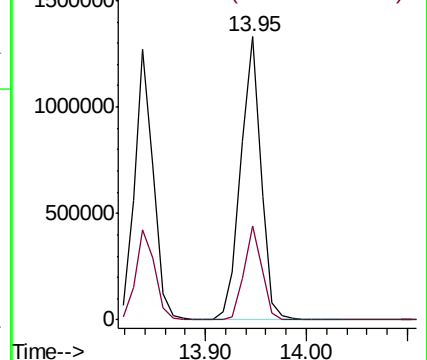
91 100

126 33.1 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 53.967 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

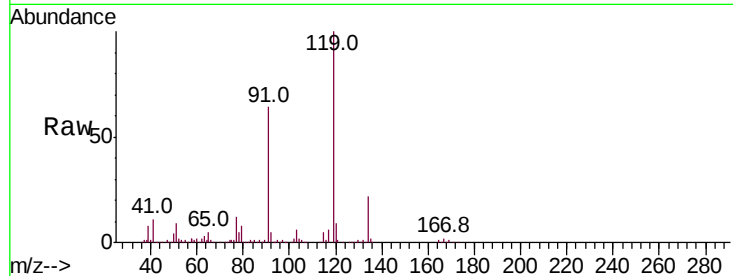
Tot Ion:119 Resp: 2302480

Ion Ratio Lower Upper

119 100

91 64.4 39.1 117.5

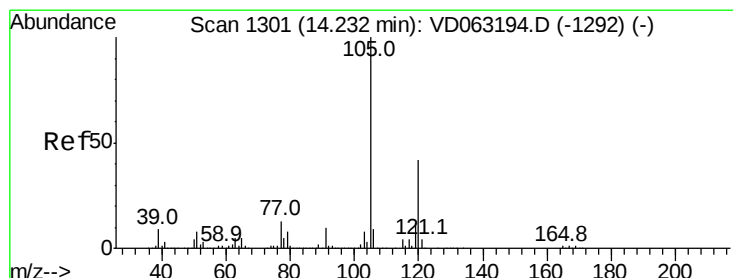
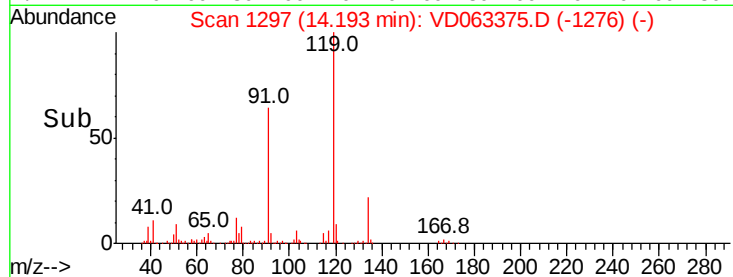
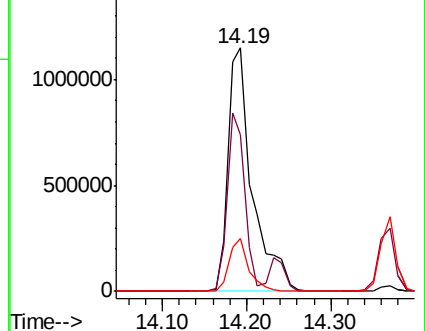
134 21.5 10.9 32.6



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: 52.940 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD063375.D

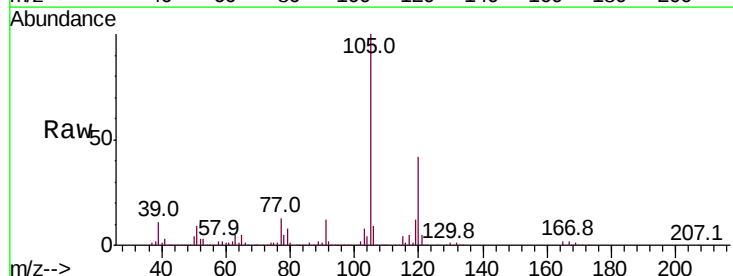
Acq: 5 Aug 2019 11:43

Tgt Ion:105 Resp: 2046088

Ion Ratio Lower Upper

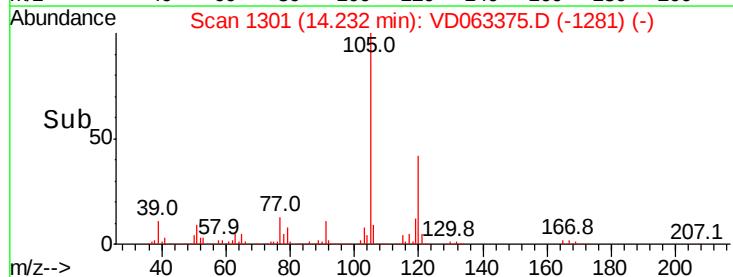
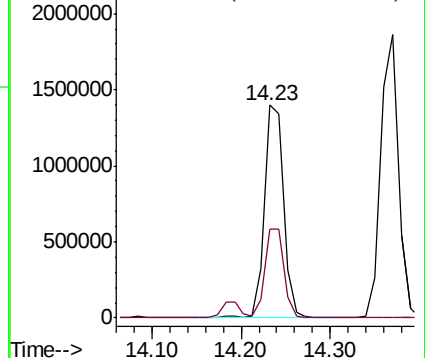
105 100

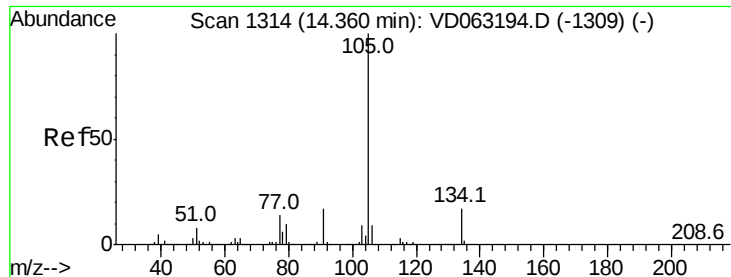
120 41.8 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 55.878 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

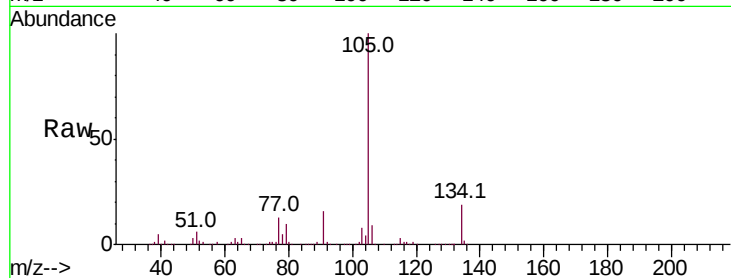
VSTDCCC050

Tot Ion:105 Resp: 2511754

Ion Ratio Lower Upper

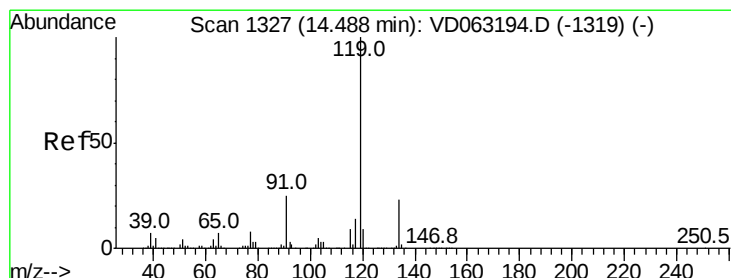
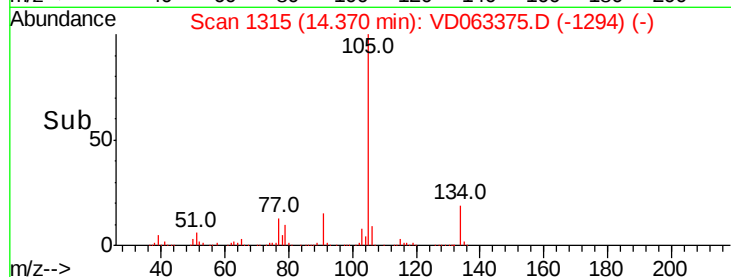
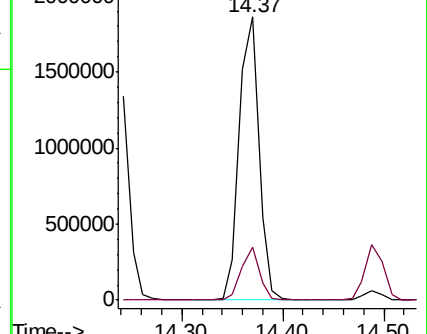
105 100

134 18.9 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 48.946 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

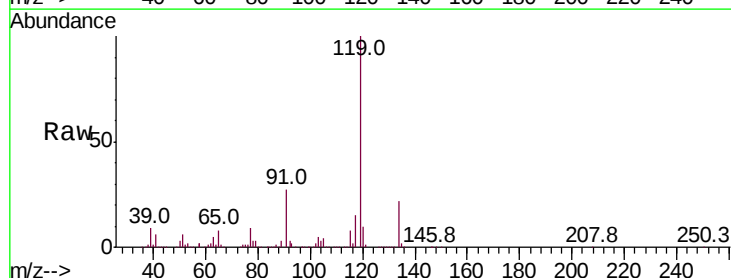
Tgt Ion:119 Resp: 2099958

Ion Ratio Lower Upper

119 100

134 22.1 11.5 34.5

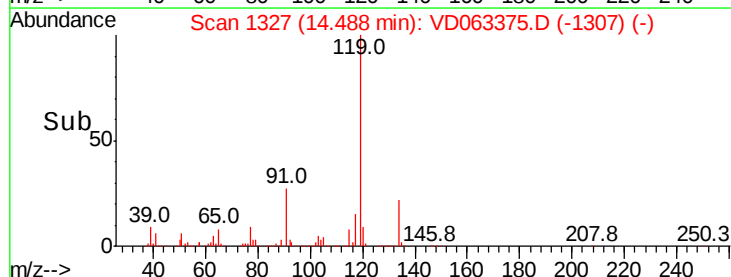
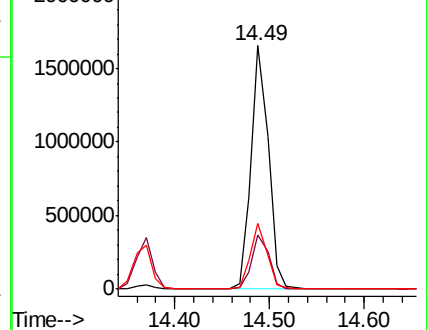
91 27.0 12.6 37.6

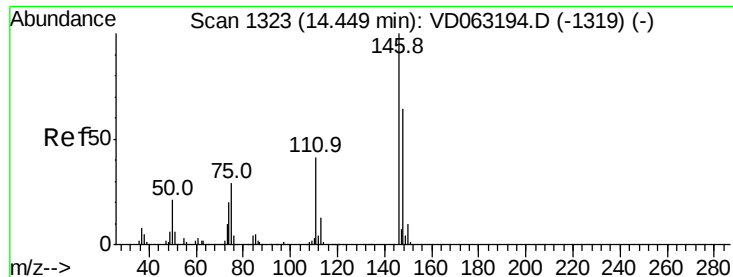


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 55.052 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.01 min

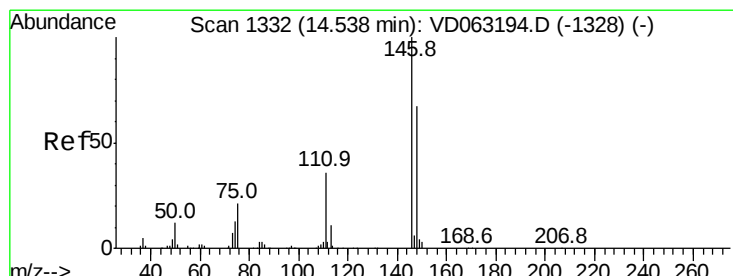
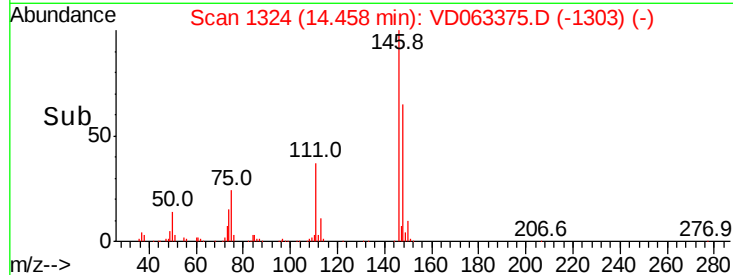
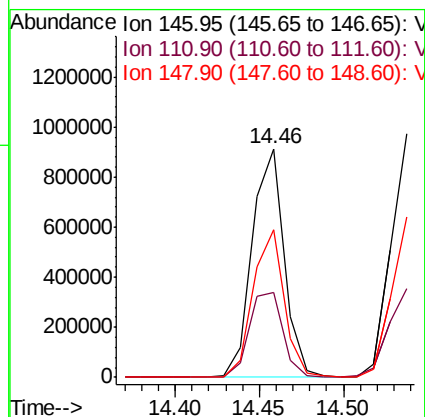
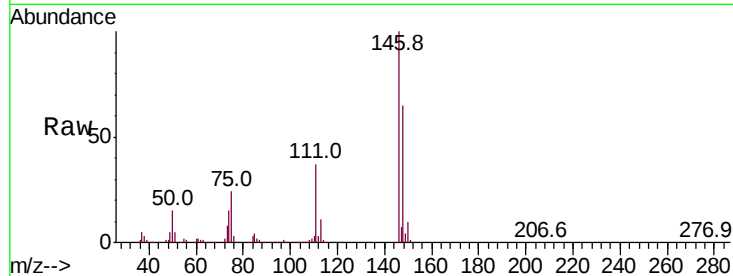
Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 1203198

Ion	Ratio	Lower	Upper
146	100		
111	37.3	20.4	61.3
148	64.5	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 52.048 ug/l

RT: 14.54 min Scan# 1332

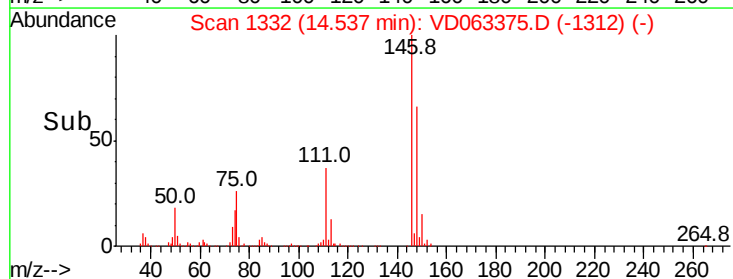
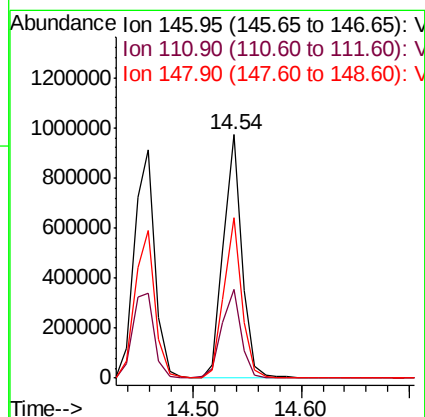
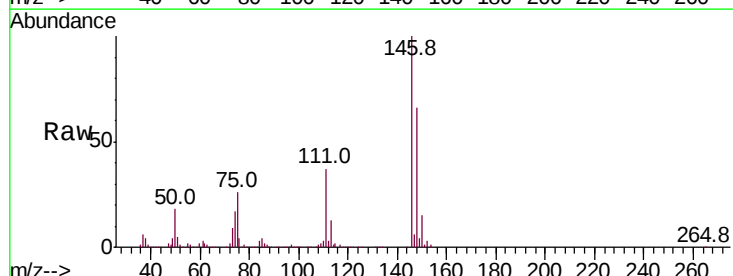
Delta R.T. -0.00 min

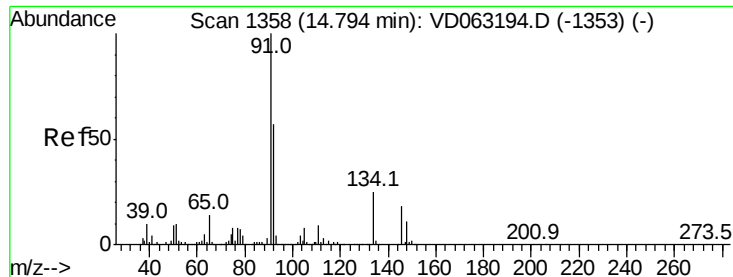
Lab File: VD063375.D

Acq: 5 Aug 2019 11:43

Tgt Ion:146 Resp: 1150304

Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.3
148	65.8	33.4	100.1

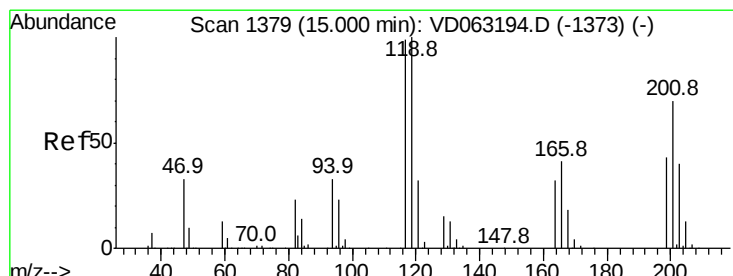
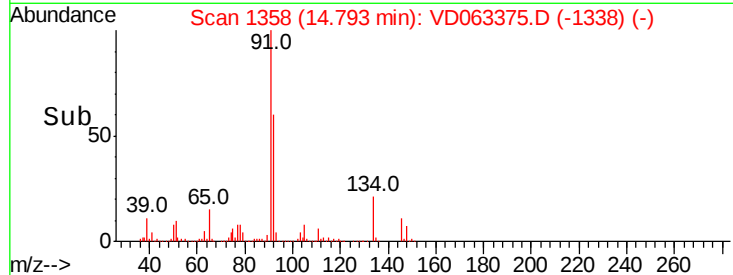
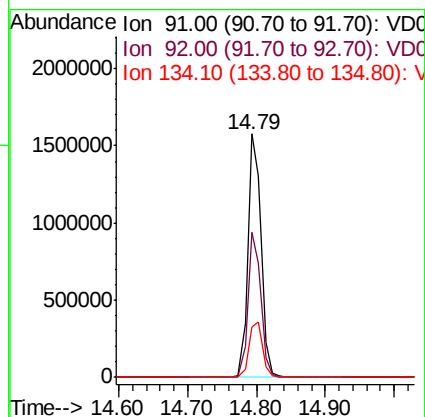
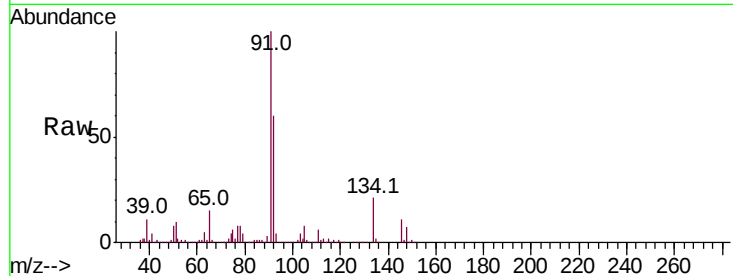




#89
n-Butylbenzene
Concen: 56.417 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

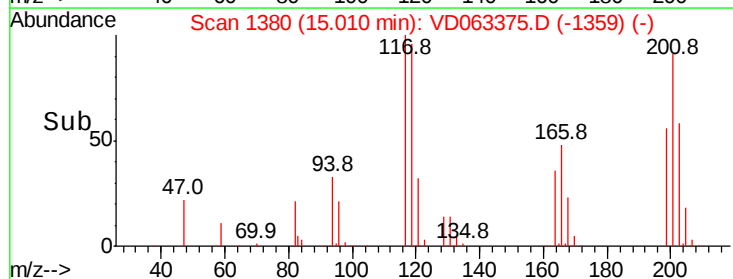
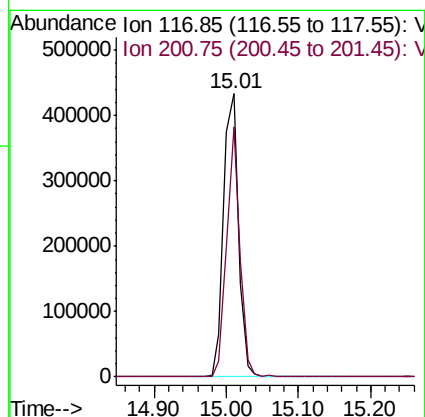
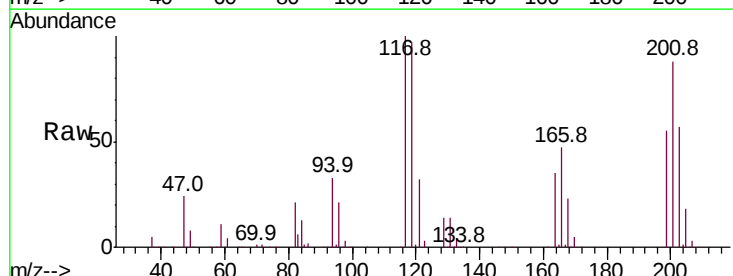
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

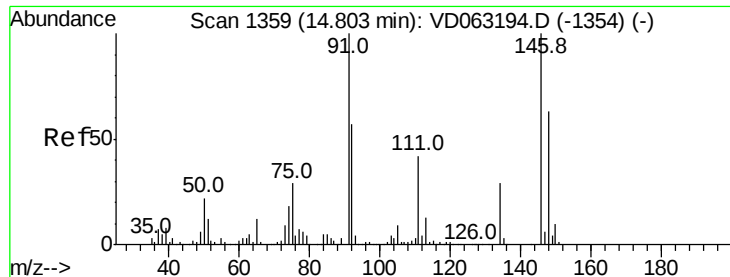
Tot Ion: 91 Resp: 2090531
Ion Ratio Lower Upper
91 100
92 59.8 28.3 85.0
134 20.9 12.3 36.8



#90
Hexachloroethane
Concen: 55.371 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Tgt Ion: 117 Resp: 618929
Ion Ratio Lower Upper
117 100
201 88.4 35.2 105.6

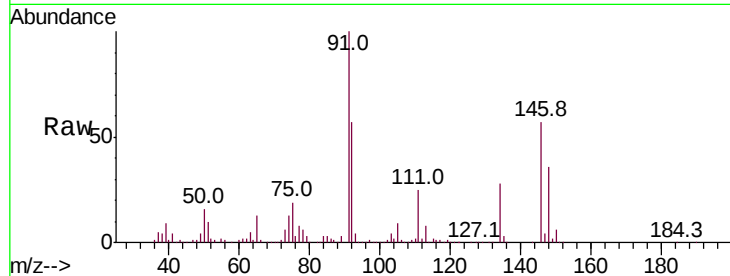




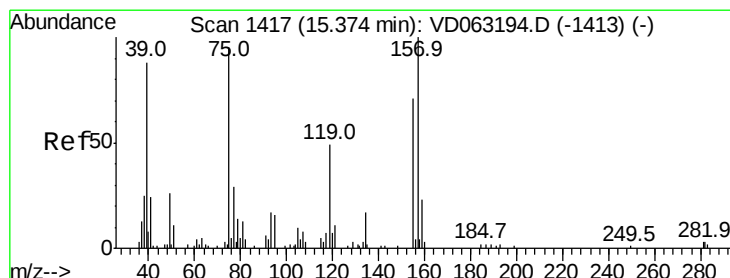
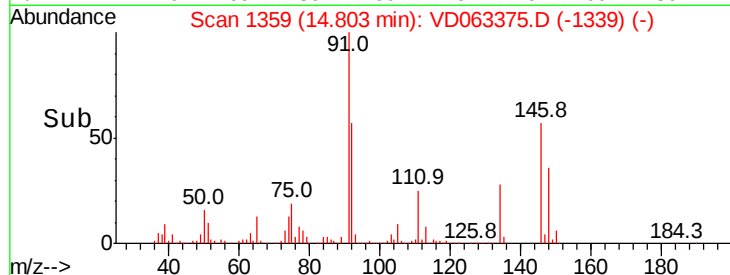
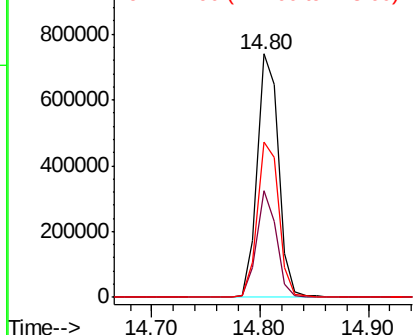
#91
 1,2-Dichlorobenzene
 Concen: 53.612 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD063375.D
 Acq: 5 Aug 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1020904
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.1 63.3
 148 63.6 31.6 94.8

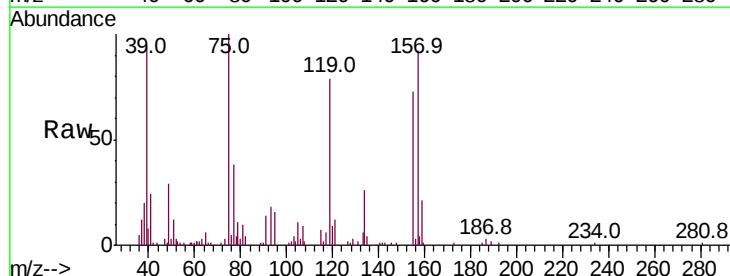


Abundance Ion 145.95 (145.65 to 146.65): V
 1000000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

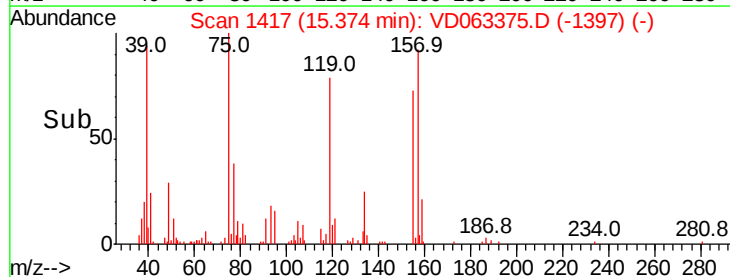
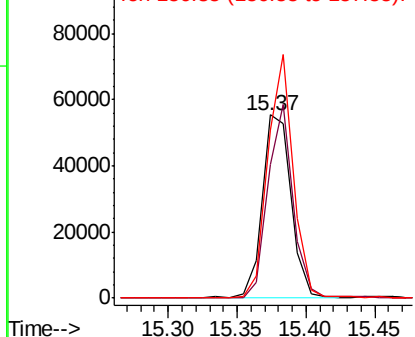


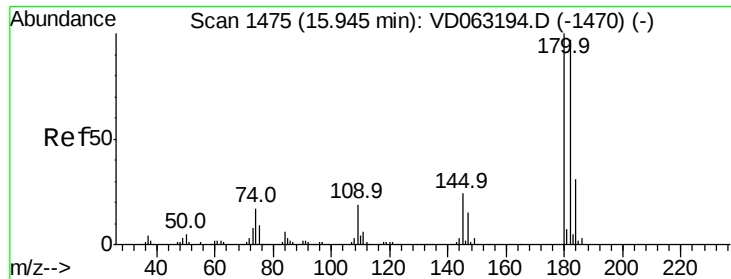
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.713 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063375.D
 Acq: 5 Aug 2019 11:43

Tgt Ion: 75 Resp: 80515
 Ion Ratio Lower Upper
 75 100
 155 73.1 37.0 111.0
 157 91.5 52.4 157.2



Abundance Ion 75.00 (74.70 to 75.70): V
 100000 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

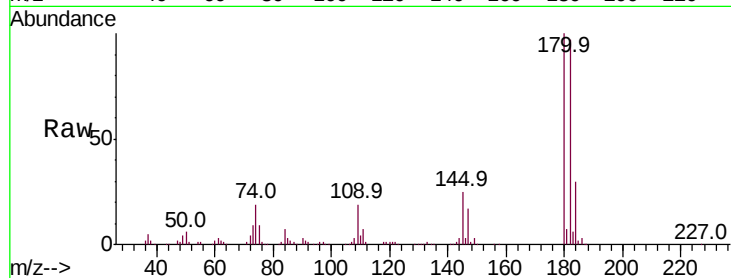




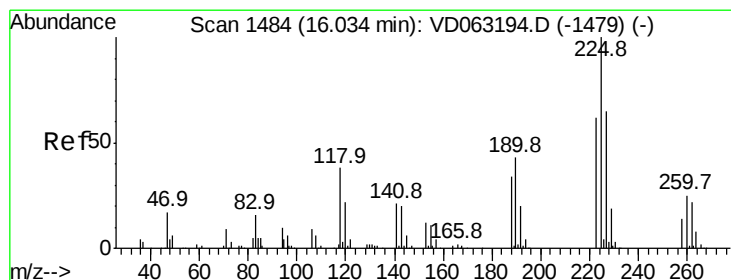
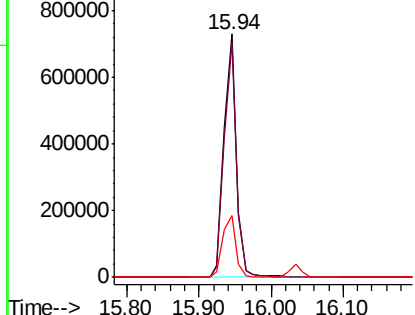
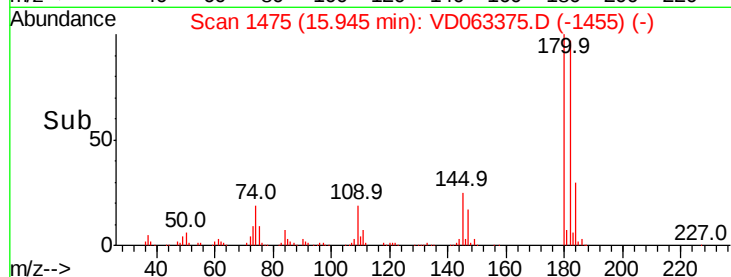
#93
 1,2,4-Trichlorobenzene
 Concen: 57.265 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063375.D
 Acq: 5 Aug 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 865067
 Ion Ratio Lower Upper
 180 100
 182 96.6 48.6 145.8
 145 25.5 12.2 36.6

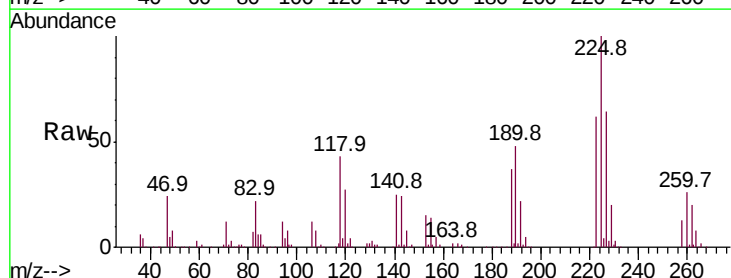


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

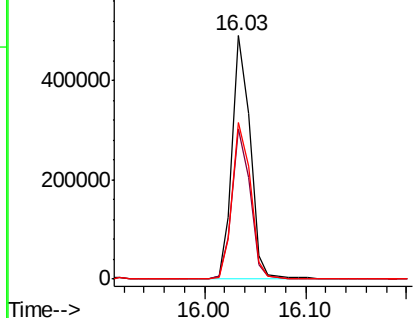
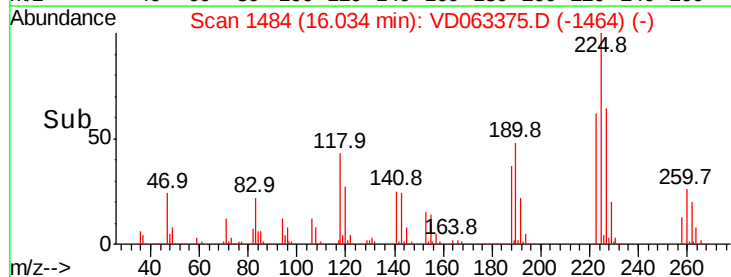


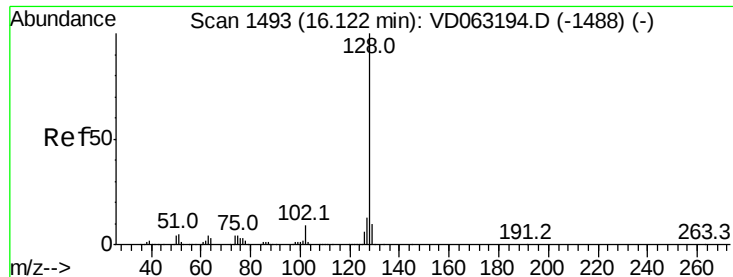
#94
 Hexachlorobutadiene
 Concen: 55.606 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063375.D
 Acq: 5 Aug 2019 11:43

Tgt Ion:225 Resp: 608740
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.9 92.5
 227 64.3 32.6 97.7



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

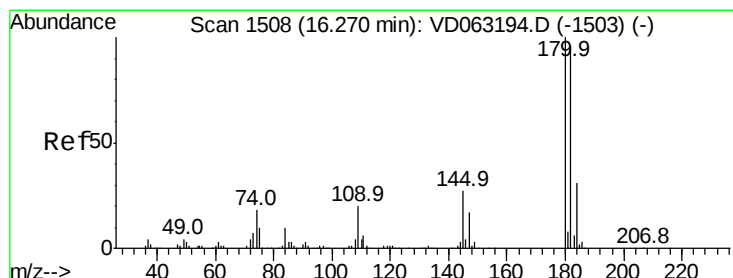
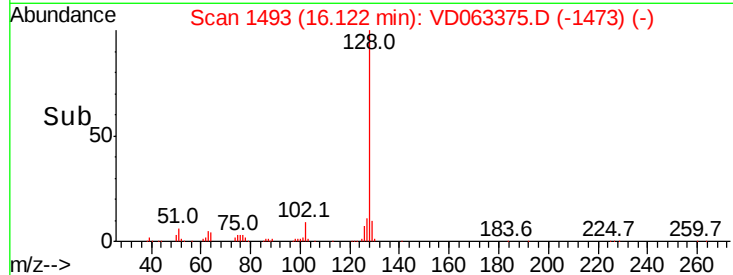
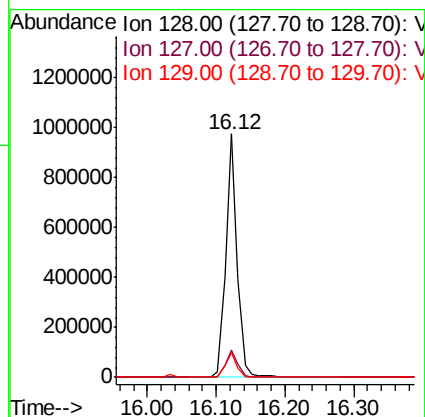
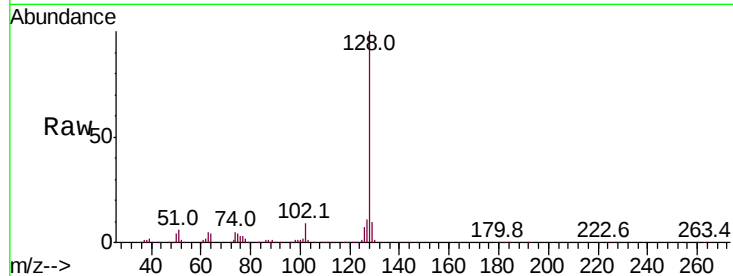




#95
Naphthalene
Concen: 52.218 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1114927
Ion Ratio Lower Upper
128 100
127 11.4 10.2 15.4
129 10.2 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 54.229 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063375.D
Acq: 5 Aug 2019 11:43

Tgt Ion:180 Resp: 647170
Ion Ratio Lower Upper
180 100
182 95.8 48.3 144.9
145 30.0 13.6 40.7

