

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
 Data File : VD063285.D
 Acq On : 1 Aug 2019 10:17
 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 02 07:22:10 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	1069687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1475113	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1300316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	595455	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	623405	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
35) Dibromofluoromethane	6.91	113	629254	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	10.40	98	1449130	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	13.55	95	595585	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	604861	46.259	ug/l	96
3) Chloromethane	1.74	50	468024	46.070	ug/l	92
4) Vinyl Chloride	1.84	62	498754	47.425	ug/l	95
5) Bromomethane	2.14	94	266342	50.215	ug/l	98
6) Chloroethane	2.25	64	239225	49.269	ug/l	96
7) Trichlorofluoromethane	2.52	101	1050154	51.472	ug/l	100
8) Diethyl Ether	2.86	74	118413	41.470	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	560787	49.620	ug/l	97
10) Methyl Iodide	3.29	142	785823	48.132	ug/l	99
11) Tert butyl alcohol	4.07	59	114663	220.134	ug/l	96
12) 1,1-Dichloroethene	3.11	96	423160	51.002	ug/l	86
13) Acrolein	3.02	56	103617	206.699	ug/l	87
14) Allyl chloride	3.60	41	622024	47.062	ug/l	89
15) Acrylonitrile	4.19	53	327525	242.536	ug/l	93
16) Acetone	3.21	43	660093	285.435	ug/l	99
17) Carbon Disulfide	3.36	76	1294916	46.629	ug/l	98
18) Methyl Acetate	3.63	43	195835	44.086	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	971254	51.824	ug/l	97
20) Methylene Chloride	3.80	84	428650	45.856	ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	478066	51.353	ug/l	97
22) Diisopropyl ether	5.11	45	1312233	49.693	ug/l	97
23) Vinyl Acetate	5.05	43	4017200	247.483	ug/l	99
24) 1,1-Dichloroethane	4.97	63	806334	47.805	ug/l	96
25) 2-Butanone	6.06	43	628062	270.614	ug/l	93
26) 2,2-Dichloropropane	6.01	77	920396	52.950	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	504918	50.588	ug/l	99
28) Bromochloromethane	6.43	49	336617	50.089	ug/l #	96
29) Tetrahydrofuran	6.44	42	269252	245.038	ug/l	97
30) Chloroform	6.65	83	1022534	48.849	ug/l	95
31) Cyclohexane	6.94	56	495173	46.836	ug/l	88
32) 1,1,1-Trichloroethane	6.86	97	979313	48.368	ug/l	98
36) 1,1-Dichloropropene	7.13	75	655517	48.693	ug/l	97
37) Ethyl Acetate	6.17	43	276834	45.772	ug/l	95
38) Carbon Tetrachloride	7.09	117	1117018	55.115	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	563666	50.254	ug/l	98
40) Benzene	7.44	78	1478647	52.408	ug/l	99
41) Methacrylonitrile	6.44	41	355835	49.185	ug/l #	97
42) 1,2-Dichloroethane	7.57	62	721324	48.239	ug/l	99
43) Isopropyl Acetate	9.23	43	384167	49.726	ug/l #	98
44) Trichloroethene	8.53	130	542112	47.417	ug/l	94
45) 1,2-Dichloropropane	8.93	63	354587	49.445	ug/l	99
46) Dibromomethane	9.05	93	292644	49.078	ug/l	92
47) Bromodichloromethane	9.37	83	788147	51.852	ug/l	96
48) Methyl methacrylate	9.11	41	264550	52.798	ug/l	98
49) 1,4-Dioxane	9.07	88	43593	1027.143	ug/l #	86
51) 4-Methyl-2-Pentanone	10.29	43	1333730	253.843	ug/l	94
52) Toluene	10.50	92	953805	50.828	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	643174	49.080	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	712830	51.758	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	307850	48.574	ug/l	95
56) Ethyl methacrylate	11.03	69	368953	53.163	ug/l	94
57) 1,3-Dichloropropane	11.40	76	469124	46.980	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	757844	209.862	ug/l	100
59) 2-Hexanone	11.52	43	1048947	277.033	ug/l	98
60) Dibromochloromethane	11.68	129	620422	51.855	ug/l	100
61) 1,2-Dibromoethane	11.80	107	362964	46.413	ug/l	97
64) Tetrachloroethene	11.25	164	509909	49.223	ug/l	98
65) Chlorobenzene	12.39	112	1229606	49.163	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	543069	49.294	ug/l	98
67) Ethyl Benzene	12.52	91	2034715	47.889	ug/l	100
68) m/p-Xylenes	12.66	106	1515226	97.244	ug/l	96
69) o-Xylene	13.04	106	683717	47.783	ug/l	88
70) Styrene	13.06	104	1162056	45.794	ug/l	95
71) Bromoform	13.23	173	403072	50.310	ug/l	99
73) Isopropylbenzene	13.39	105	2059016	55.094	ug/l	98
74) N-amyl acetate	13.26	43	536486	54.301	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	347874	54.798	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	389803	54.501	ug/l	100
77) Bromobenzene	13.66	156	609676	57.266	ug/l	95
78) n-propylbenzene	13.77	91	2515012	56.550	ug/l	99
79) 2-Chlorotoluene	13.84	91	1412398	54.808	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1763336	54.705	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	107123	53.939	ug/l	89
82) 4-Chlorotoluene	13.94	91	1734929	57.206	ug/l	87
83) tert-Butylbenzene	14.18	119	1930920	52.464	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1759514	52.774	ug/l	98
85) sec-Butylbenzene	14.36	105	2023539	52.184	ug/l	100
86) p-Isopropyltoluene	14.49	119	1813770	49.007	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	1000625	53.073	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	1006326	52.783	ug/l	94
89) n-Butylbenzene	14.79	91	1770168	55.377	ug/l	97
90) Hexachloroethane	15.00	117	529804	54.944	ug/l	93
91) 1,2-Dichlorobenzene	14.80	146	882011	53.693	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	62345	48.213	ug/l	90

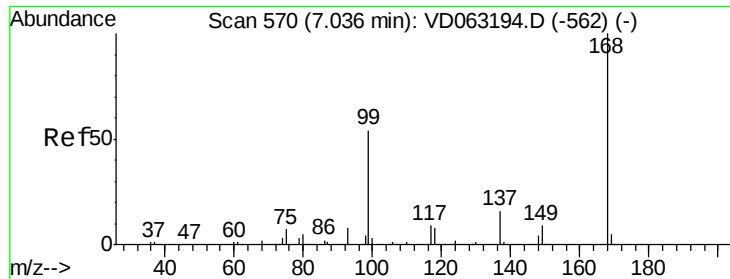
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	681761	52.316	ug/l	95
94) Hexachlorobutadiene	16.03	225	531435	56.274	ug/l	98
95) Naphthalene	16.12	128	939051	50.983	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	528712	51.357	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: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

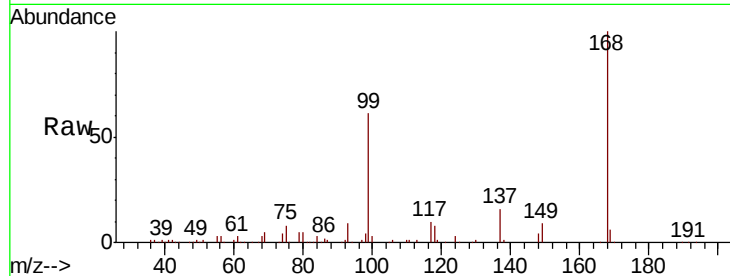
VSTDCCC050

Tot Ion:168 Resp: 1069687

Ion Ratio Lower Upper

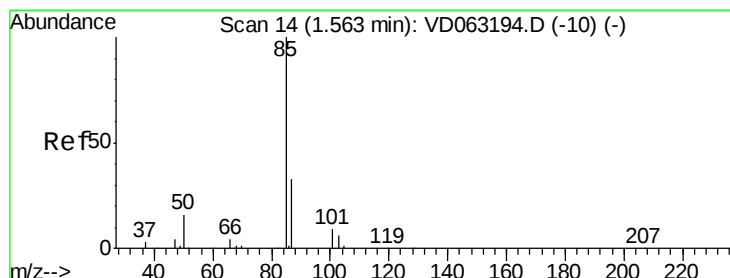
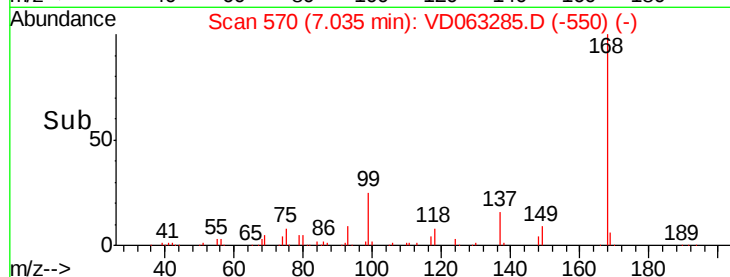
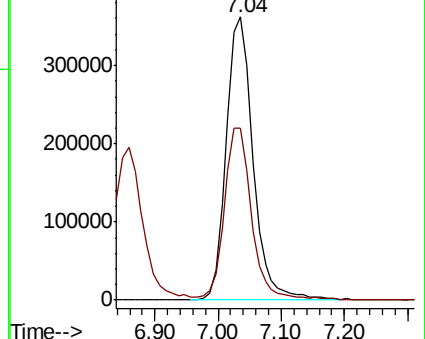
168 100

99 60.7 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: 46.259 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063285.D

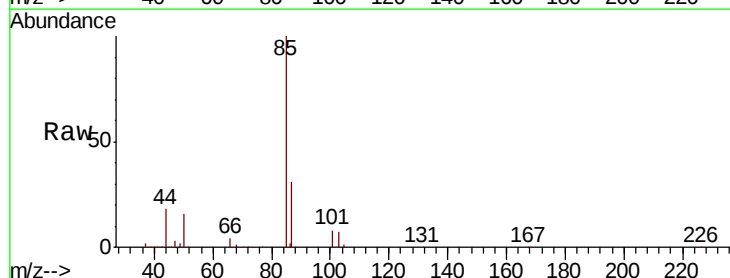
Acq: 1 Aug 2019 10:17

Tgt Ion: 85 Resp: 604861

Ion Ratio Lower Upper

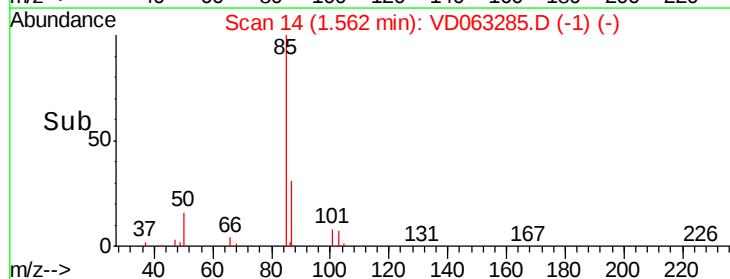
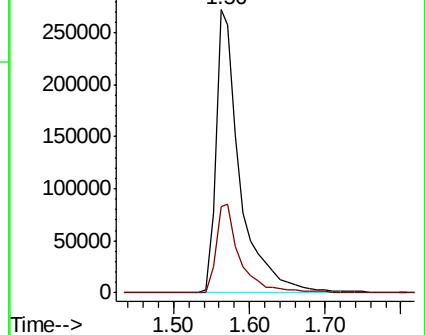
85 100

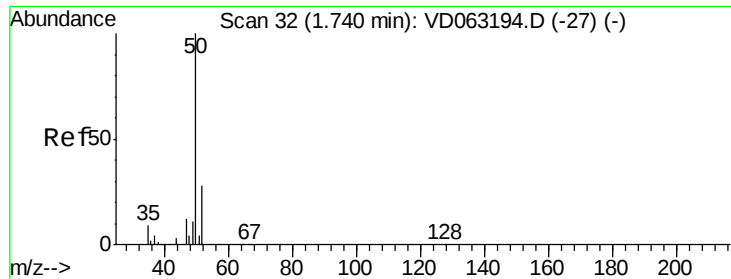
87 30.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.070 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

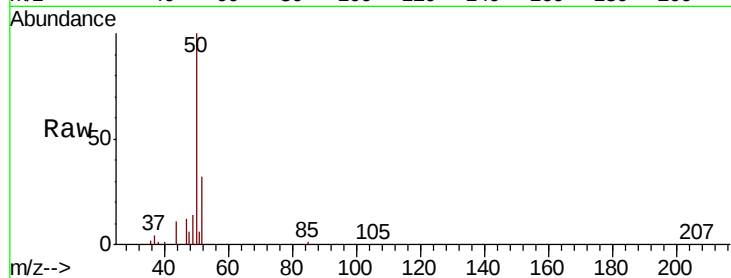
VSTDCCC050

Tot Ion: 50 Resp: 468024

Ion Ratio Lower Upper

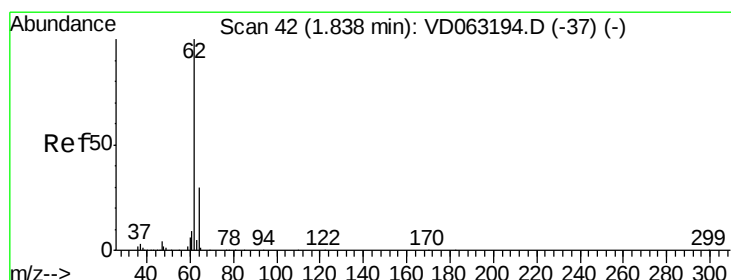
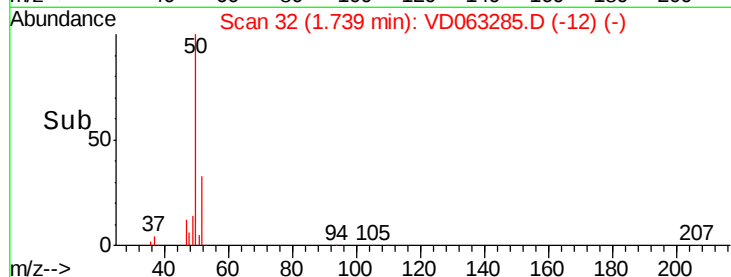
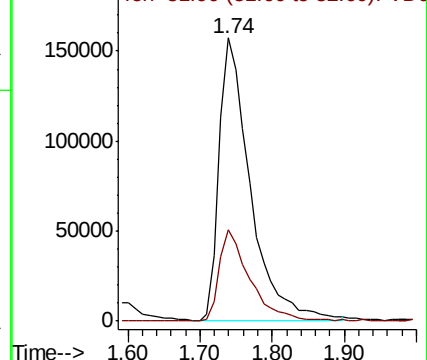
50 100

52 32.3 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.425 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063285.D

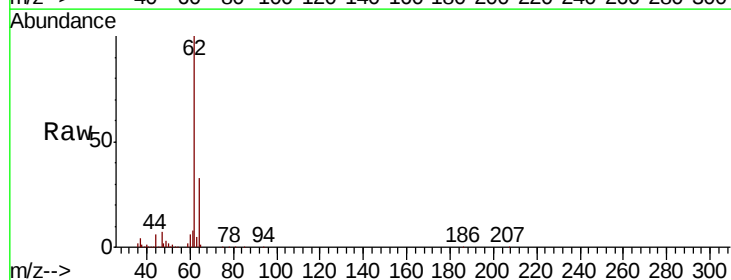
Acq: 1 Aug 2019 10:17

Tgt Ion: 62 Resp: 498754

Ion Ratio Lower Upper

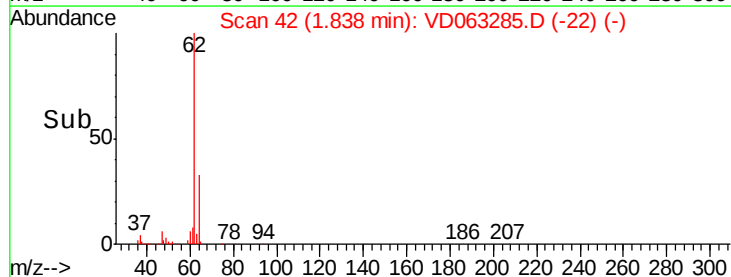
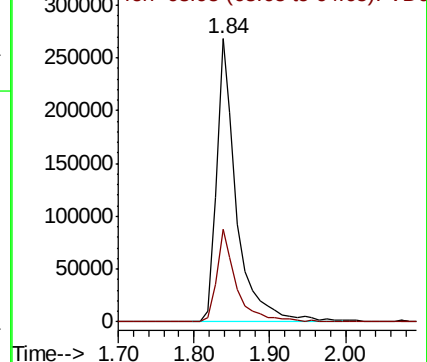
62 100

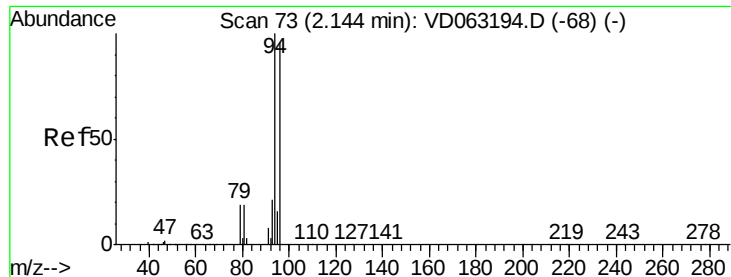
64 32.8 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 50.215 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

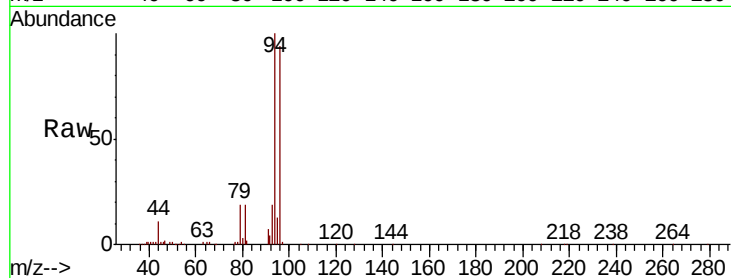
Tot Ion: 94 Resp: 266342

Ion Ratio Lower Upper

94 100

96 93.9 76.4 114.6

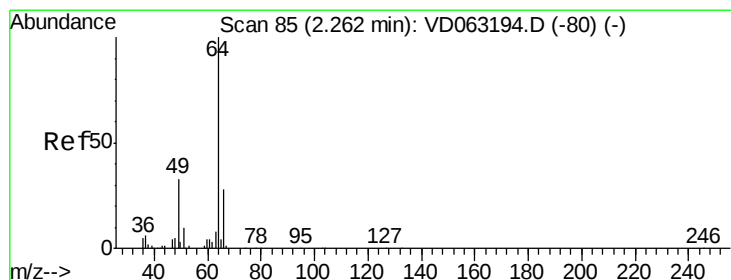
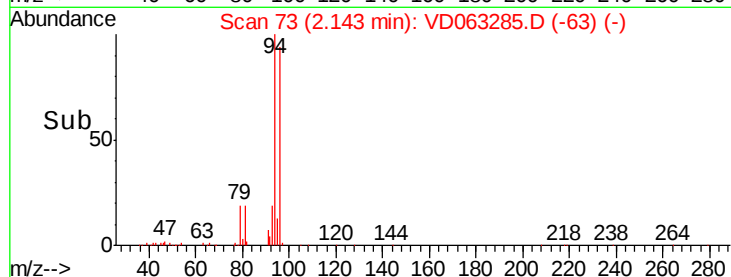
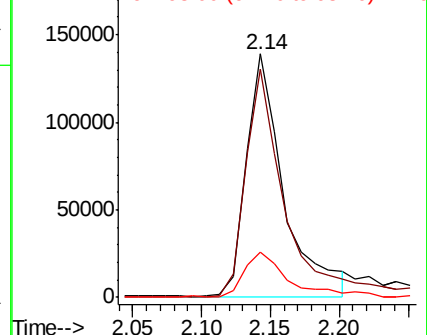
93 18.8 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 49.269 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063285.D

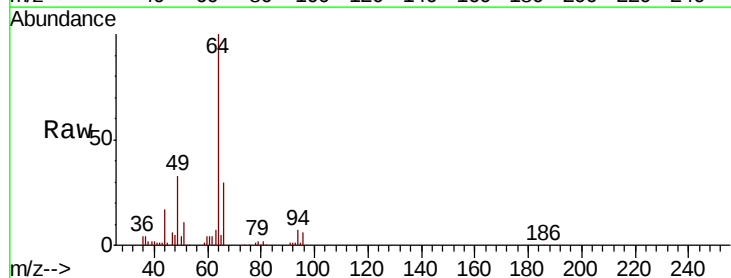
Acq: 1 Aug 2019 10:17

Tgt Ion: 64 Resp: 239225

Ion Ratio Lower Upper

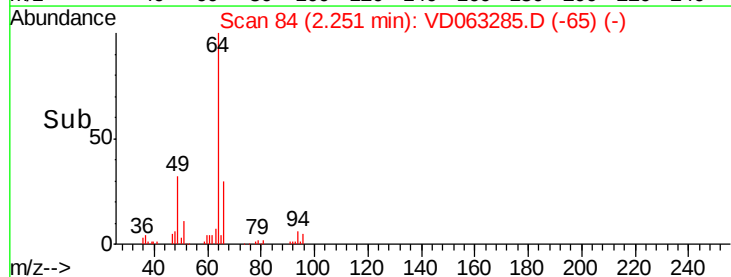
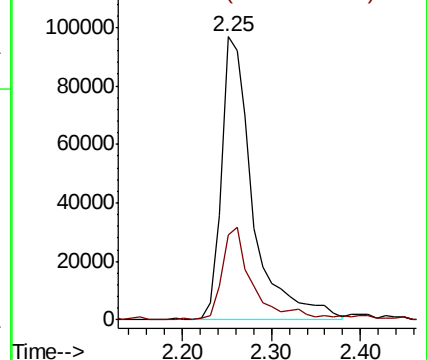
64 100

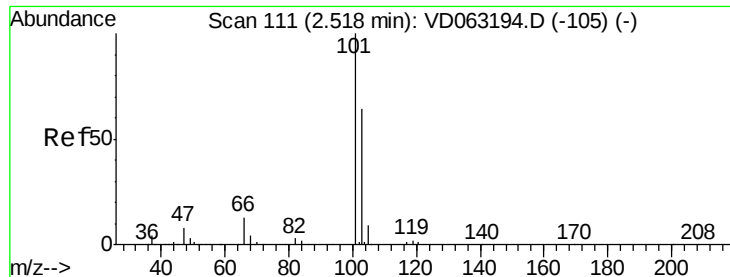
66 29.8 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



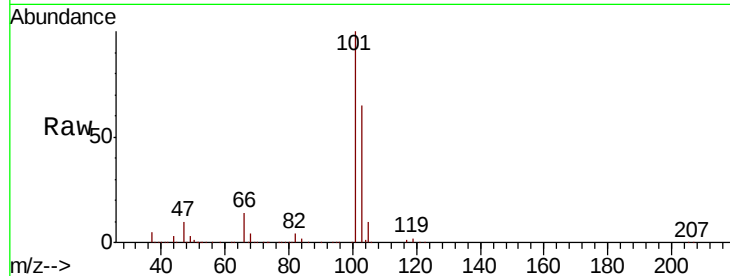


#7

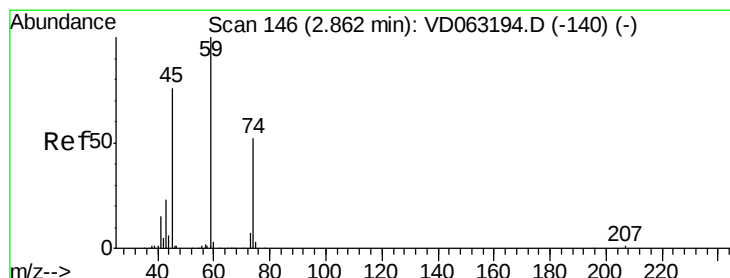
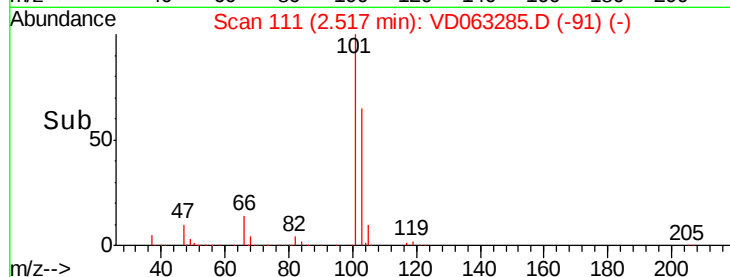
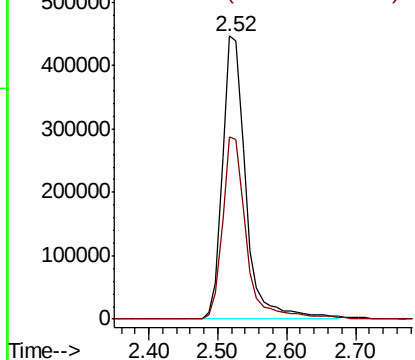
Trichlorofluoromethane
 Concen: 51.472 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.00 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 1050154
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.5 77.3



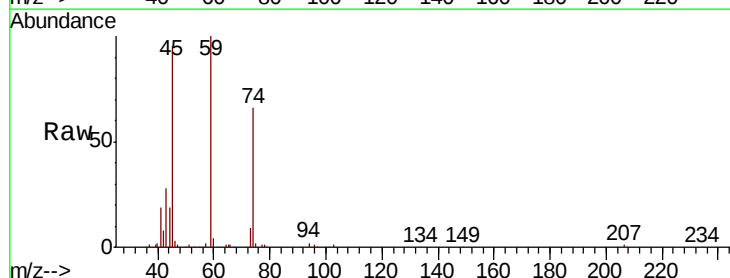
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



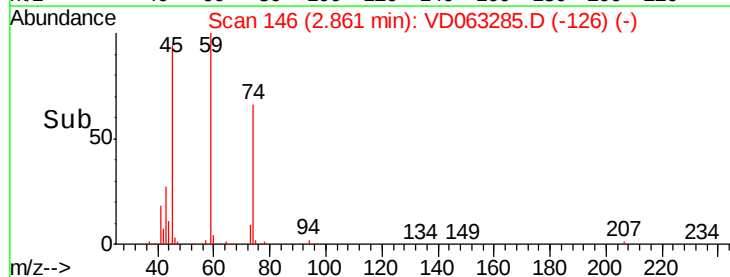
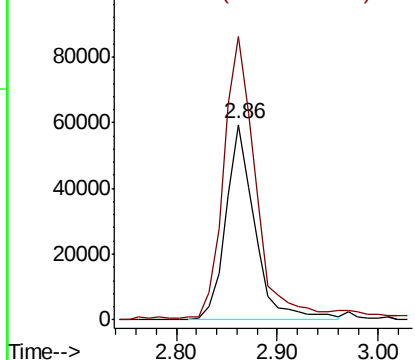
#8

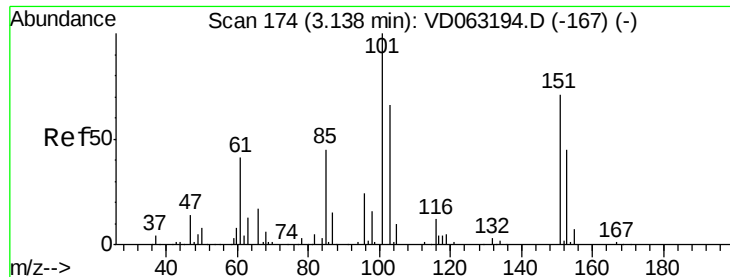
Diethyl Ether
 Concen: 41.470 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.00 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

Tgt Ion: 74 Resp: 118413
 Ion Ratio Lower Upper
 74 100
 45 144.7 73.6 220.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.620 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

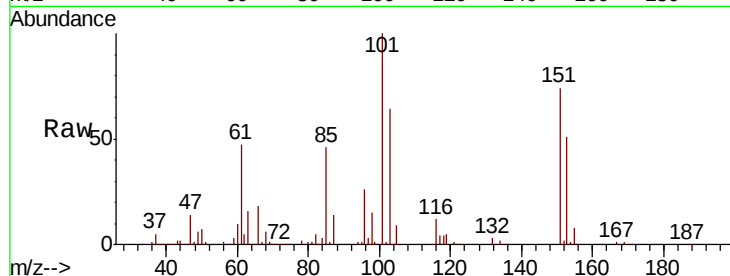
Tot Ion:101 Resp: 560787

Ion Ratio Lower Upper

101 100

85 46.4 36.1 54.1

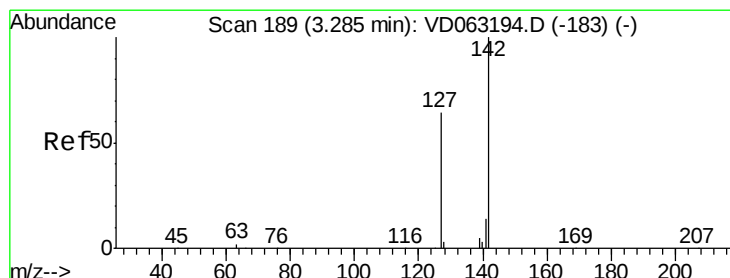
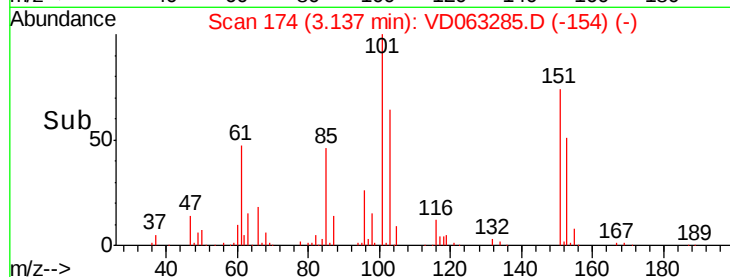
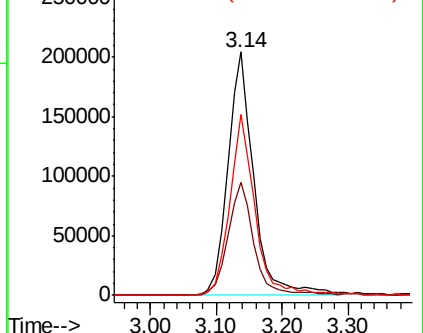
151 74.2 57.1 85.7



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: 48.132 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

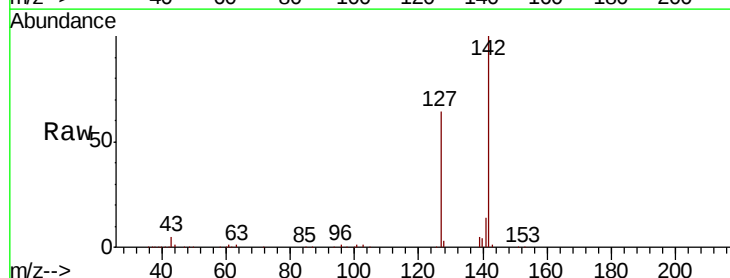
Tgt Ion:142 Resp: 785823

Ion Ratio Lower Upper

142 100

127 64.2 50.8 76.2

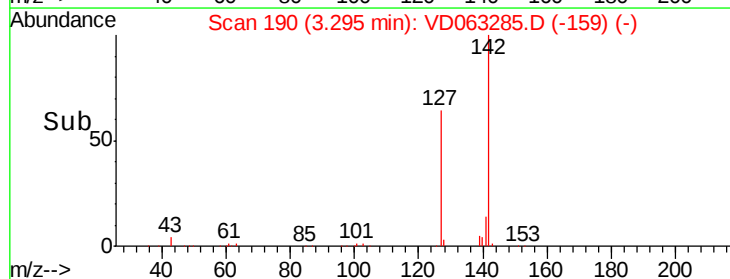
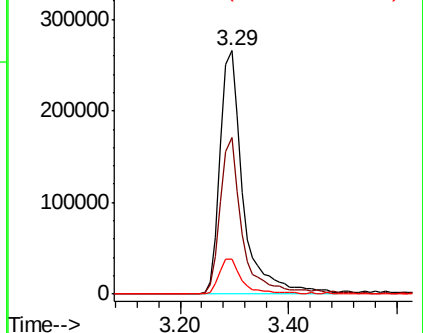
141 14.2 11.4 17.2

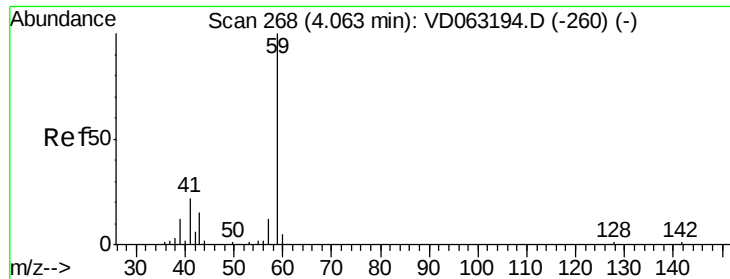


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

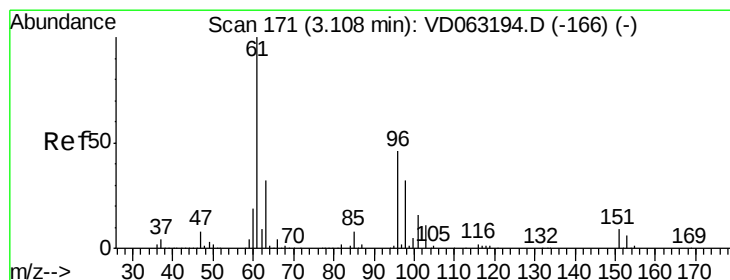
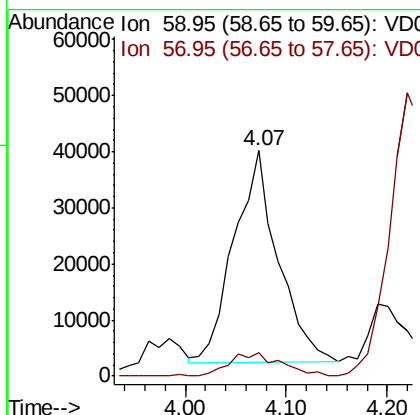
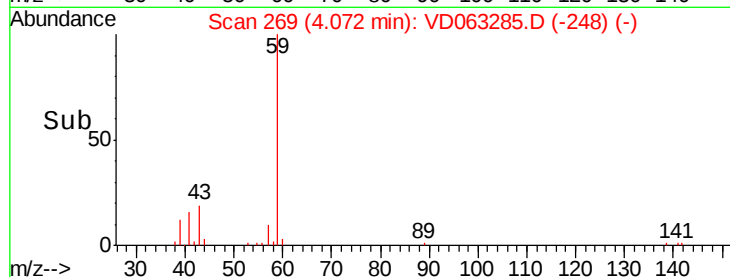
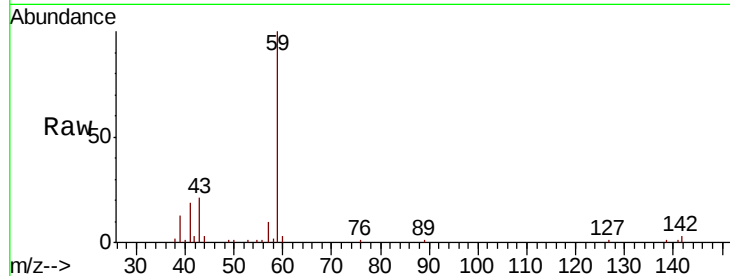




#11
Tert butyl alcohol
Concen: 220.134 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

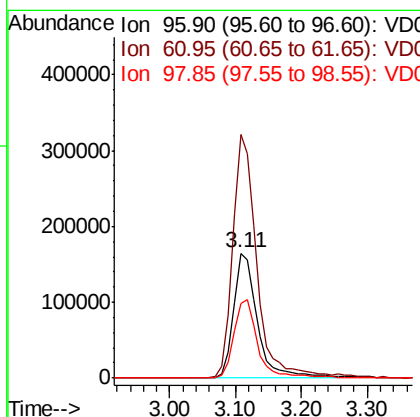
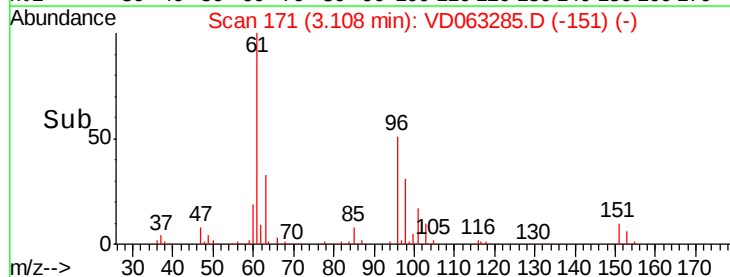
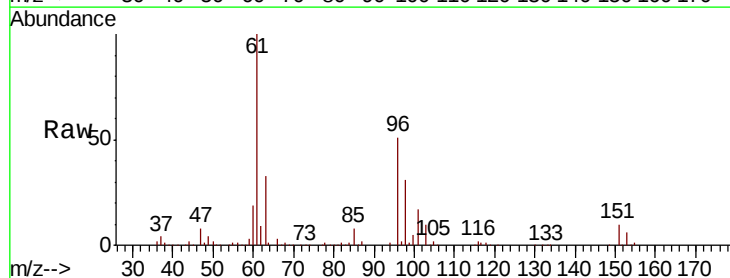
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

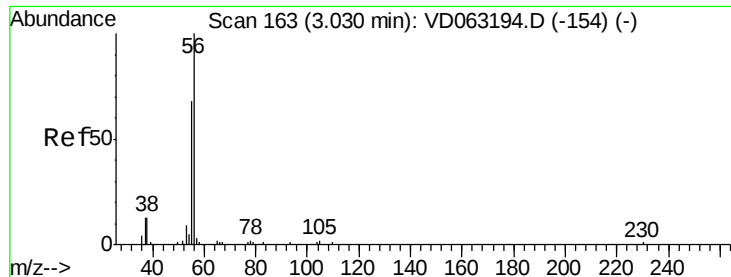
Tot Ion: 59 Resp: 114663
Ion Ratio Lower Upper
59 100
57 10.3 9.6 14.4



#12
1,1-Dichloroethene
Concen: 51.002 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Tgt Ion: 96 Resp: 423160
Ion Ratio Lower Upper
96 100
61 194.5 173.7 260.5
98 59.4 55.8 83.8





#13

Acrolein

Concen: 206.699 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

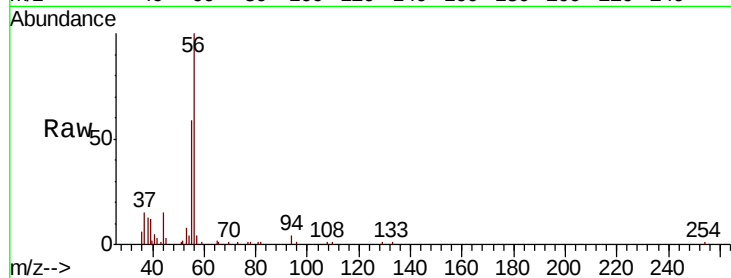
VSTDCCC050

Tot Ion: 56 Resp: 103617

Ion Ratio Lower Upper

56 100

55 58.9 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.02

40000

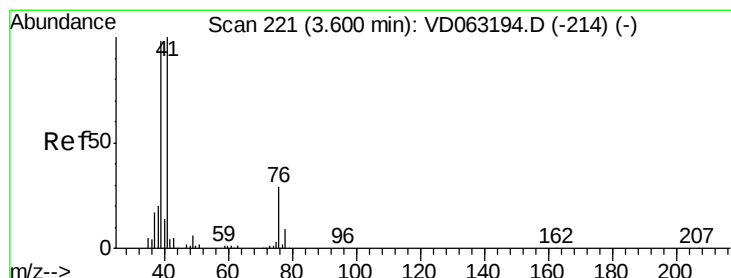
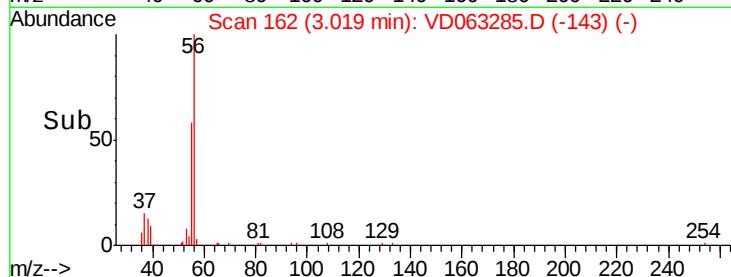
30000

20000

10000

0

Time--> 2.90 3.00 3.10



#14

Allyl chloride

Concen: 47.062 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

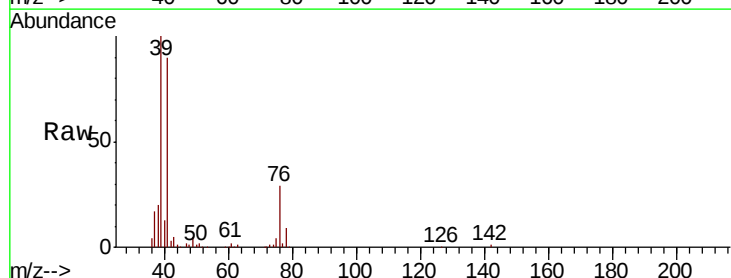
Tgt Ion: 41 Resp: 622024

Ion Ratio Lower Upper

41 100

39 111.5 78.6 117.8

76 32.7 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

3.60

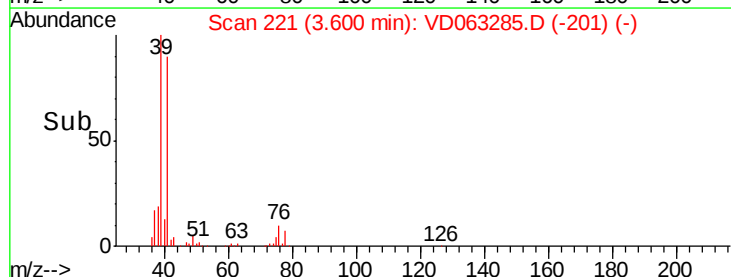
300000

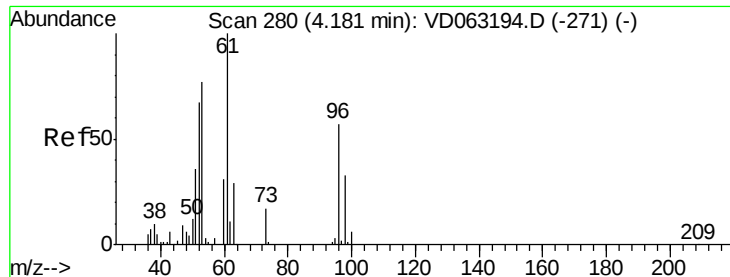
200000

100000

0

Time--> 3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 242.536 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

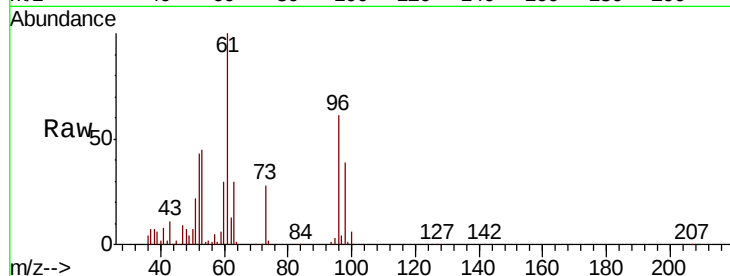
Tot Ion: 53 Resp: 327525

Ion Ratio Lower Upper

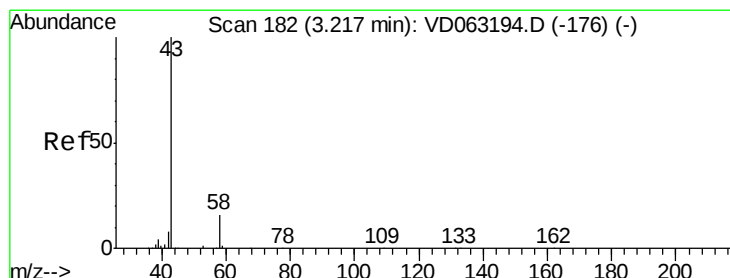
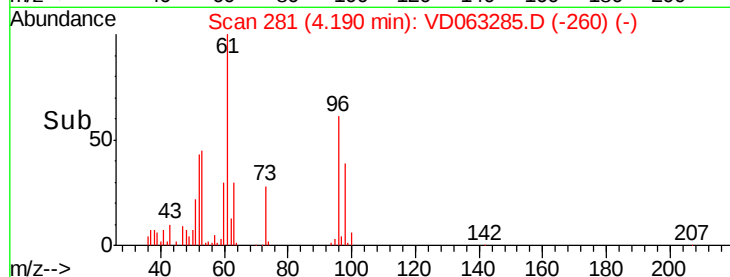
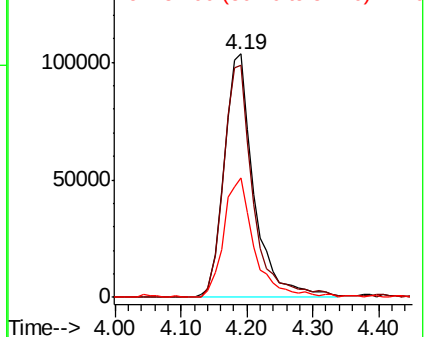
53 100

52 95.3 69.7 104.5

51 49.1 37.4 56.0



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 285.435 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063285.D

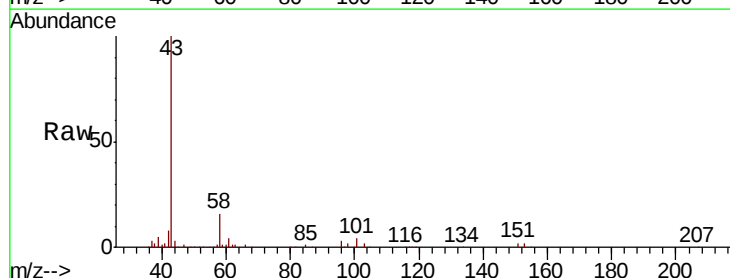
Acq: 1 Aug 2019 10:17

Tgt Ion: 43 Resp: 660093

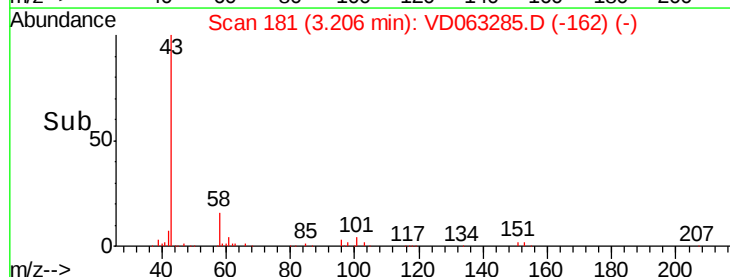
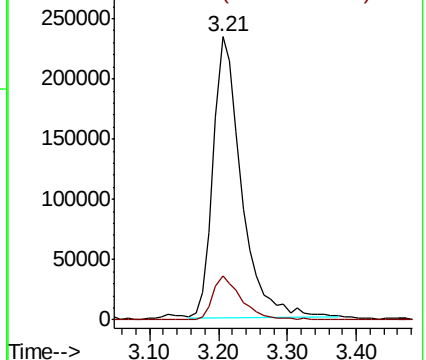
Ion Ratio Lower Upper

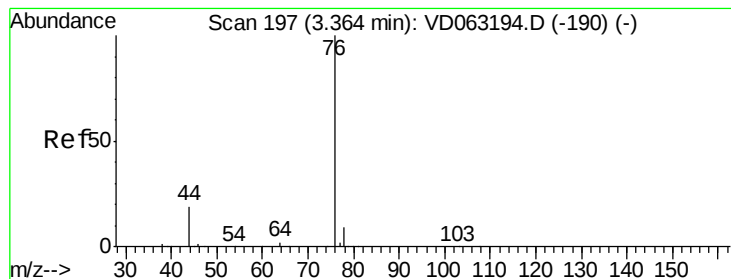
43 100

58 15.7 13.0 19.4



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





#17

Carbon Disulfide

Concen: 46.629 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

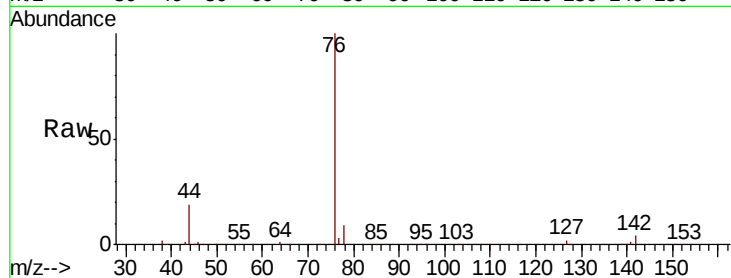
VSTDCCC050

Tot Ion: 76 Resp: 1294916

Ion Ratio Lower Upper

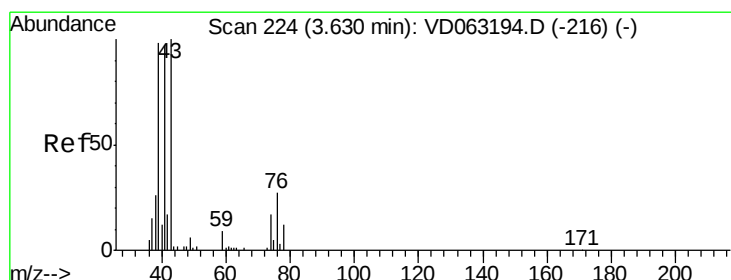
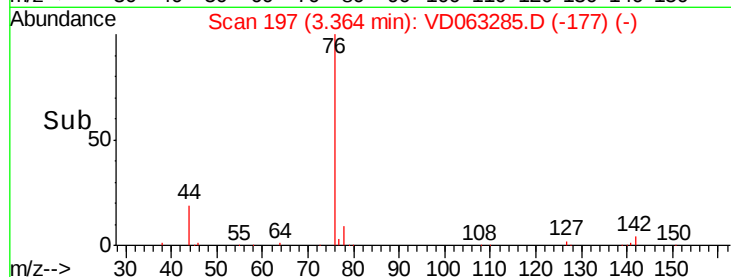
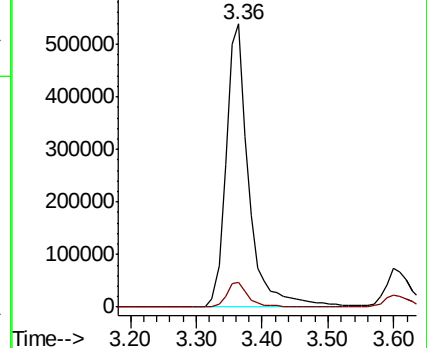
76 100

78 8.6 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: 44.086 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD063285.D

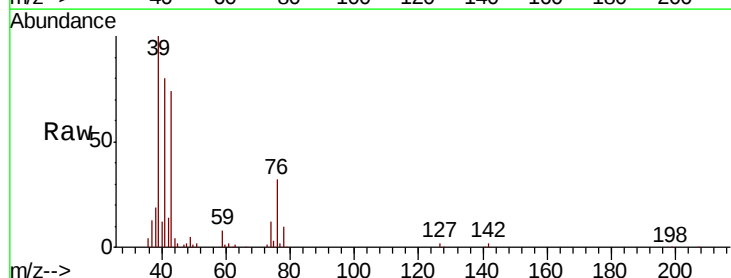
Acq: 1 Aug 2019 10:17

Tgt Ion: 43 Resp: 195835

Ion Ratio Lower Upper

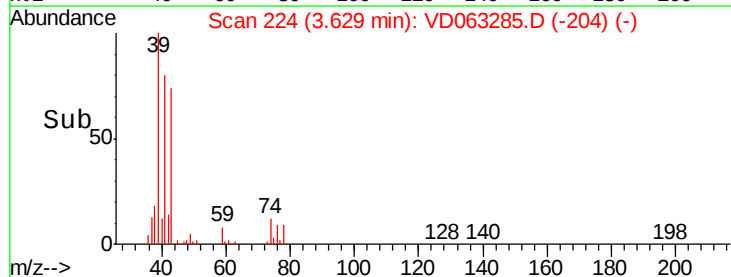
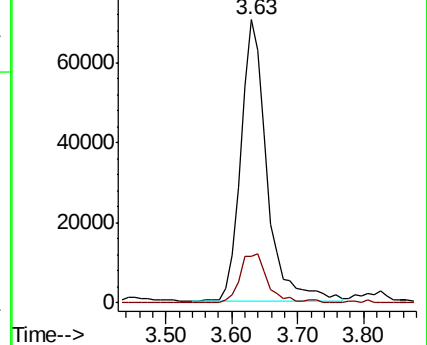
43 100

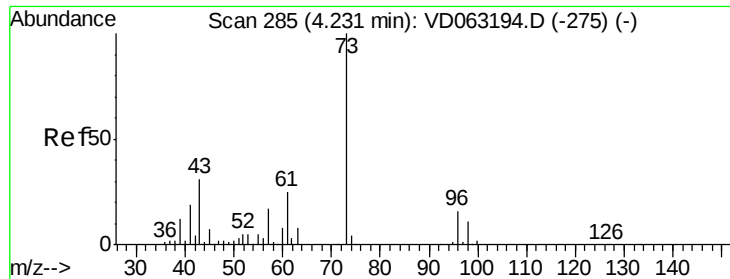
74 16.6 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

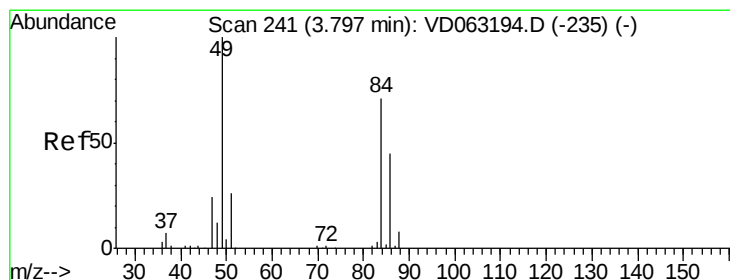
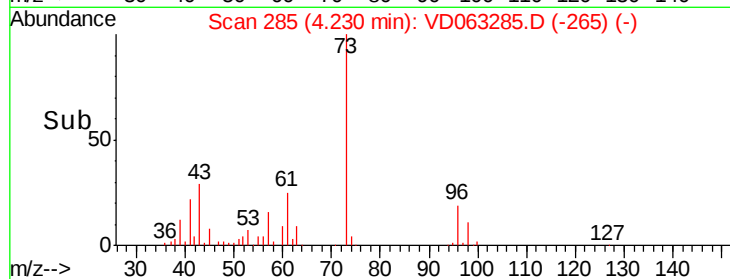
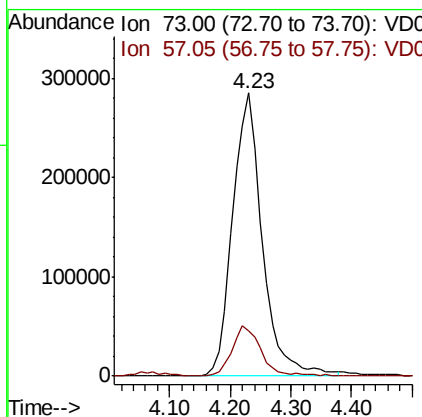
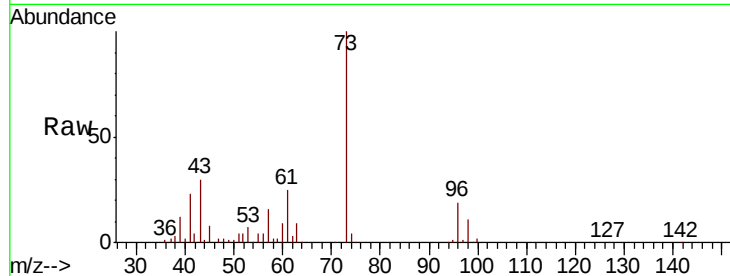




#19
Methvl tert-butvl Ether
Concen: 51.824 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

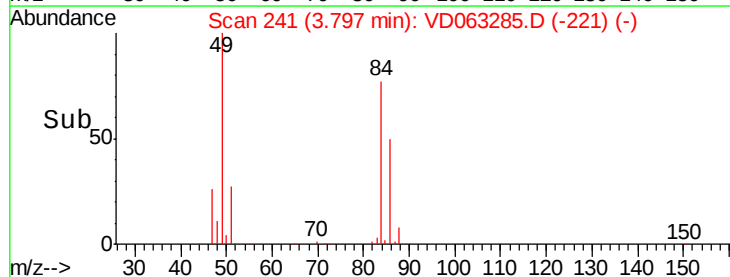
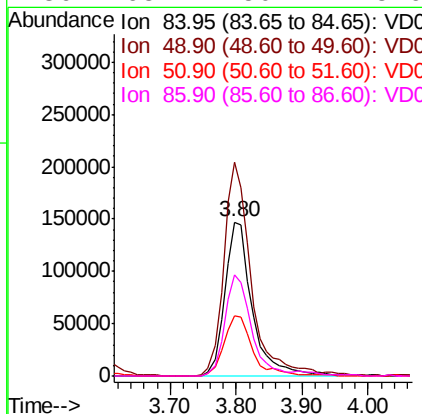
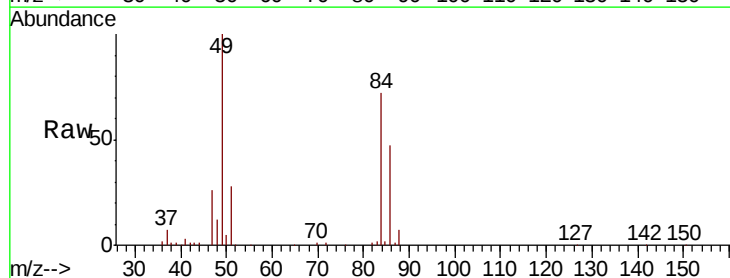
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

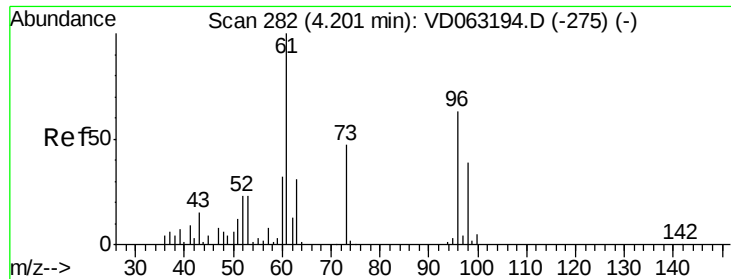
Tot Ion: 73 Resp: 971254
Ion Ratio Lower Upper
73 100
57 16.1 13.8 20.6



#20
Methylene Chloride
Concen: 45.856 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Tgt Ion: 84 Resp: 428650
Ion Ratio Lower Upper
84 100
49 138.9 112.5 168.7
51 39.3 29.6 44.4
86 65.4 50.4 75.6

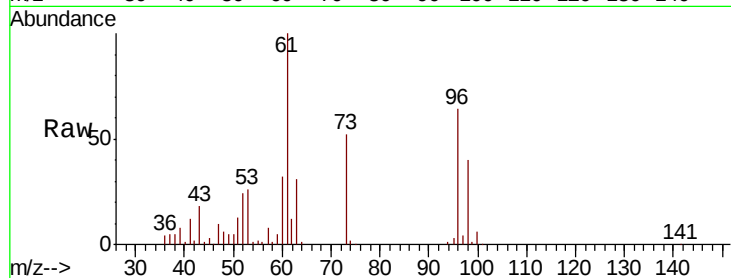




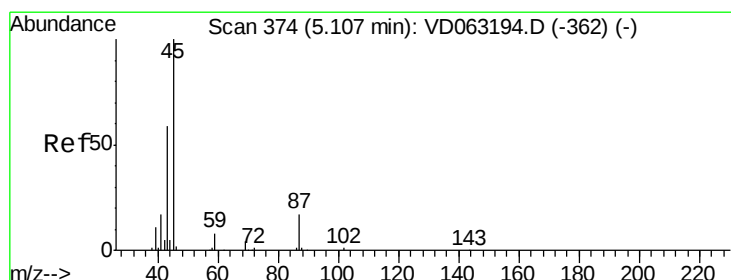
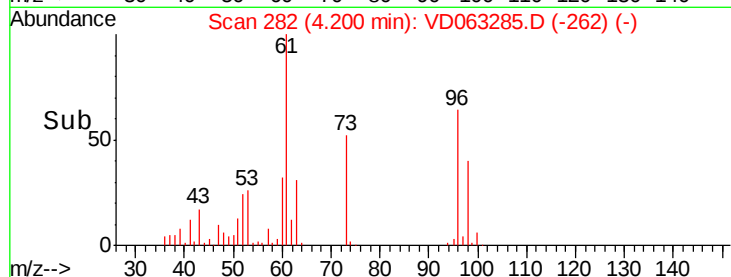
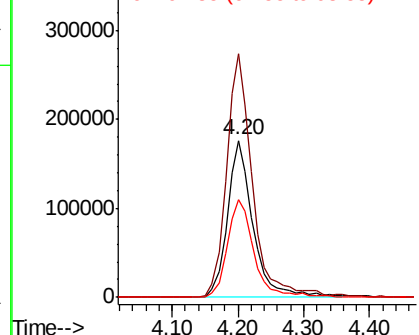
#21
trans-1,2-Dichloroethene
Concen: 51.353 ug/l
RT: 4.20 min Scan# 282
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 478066
Ion Ratio Lower Upper
96 100
61 155.3 127.4 191.2
98 62.6 49.3 73.9

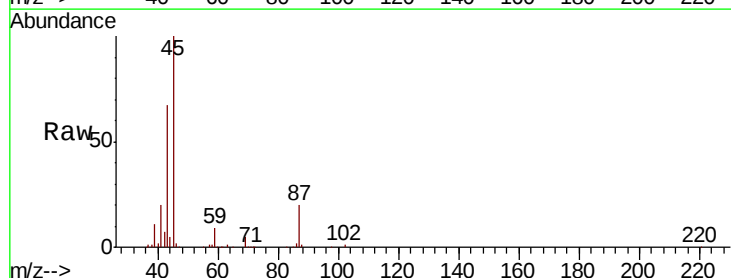


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

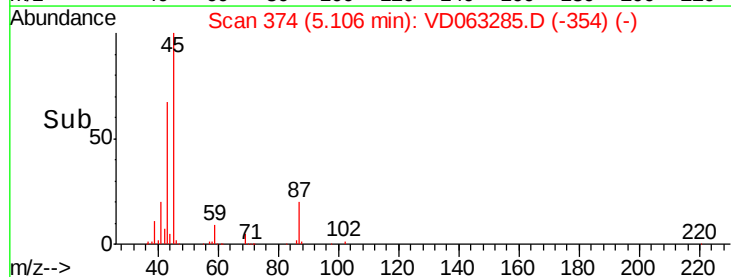
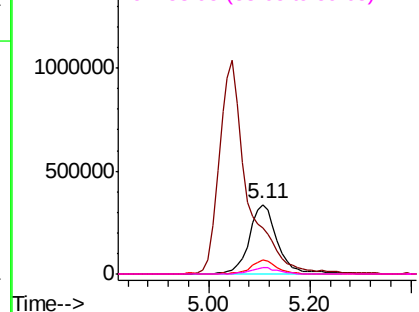


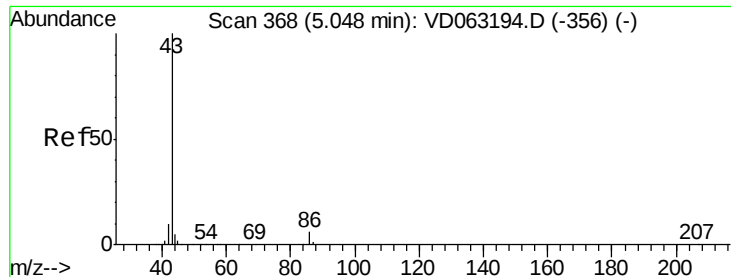
#22
Diisopropyl ether
Concen: 49.693 ug/l
RT: 5.11 min Scan# 374
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Tgt Ion: 45 Resp: 1312233
Ion Ratio Lower Upper
45 100
43 66.9 51.7 77.5
87 19.8 14.6 21.8
59 8.7 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: 247.483 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleID :

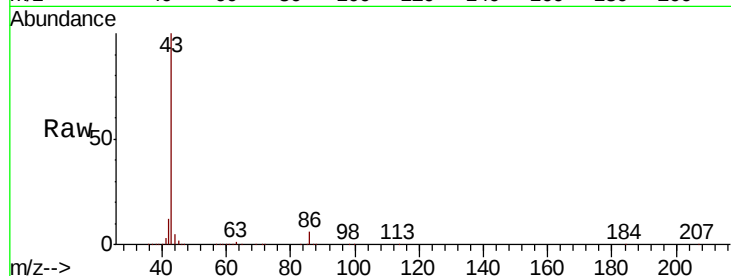
VSTDCCC050

Tot Ion: 43 Resp: 4017200

Ion Ratio Lower Upper

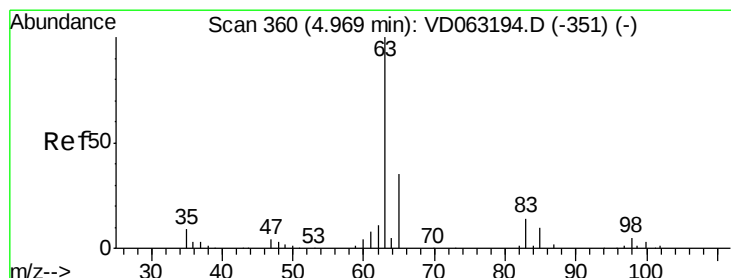
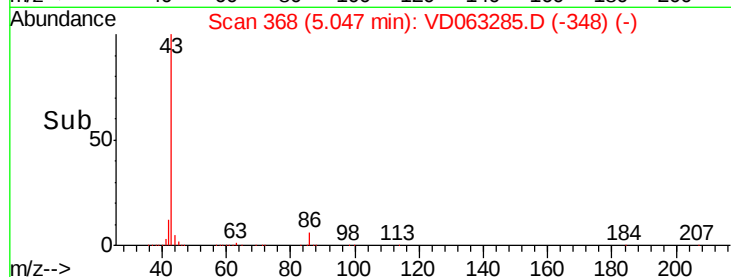
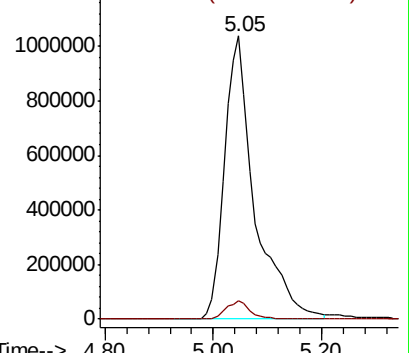
43 100

86 6.3 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: 47.805 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

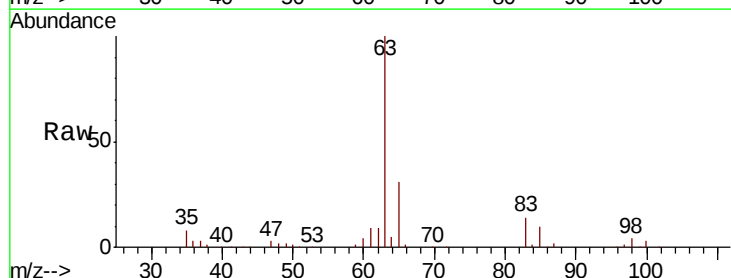
Tgt Ion: 63 Resp: 806334

Ion Ratio Lower Upper

63 100

98 3.6 2.8 8.4

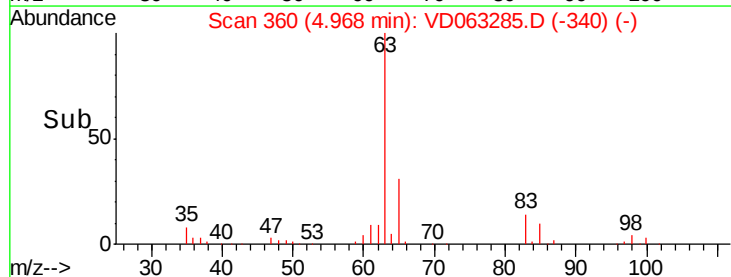
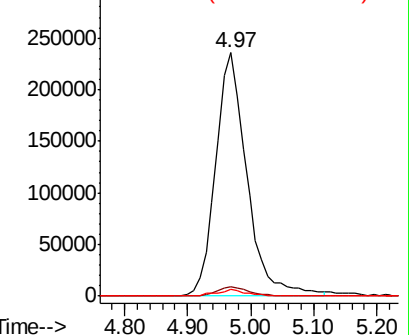
100 2.6 1.3 3.9

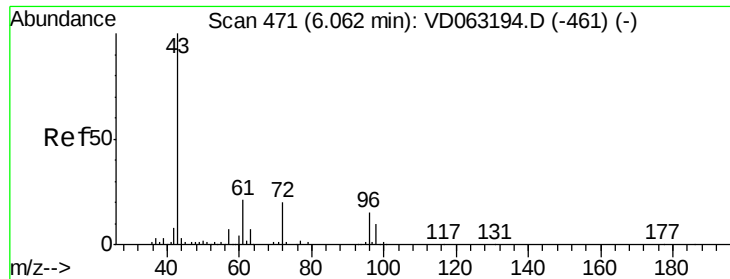


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 270.614 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

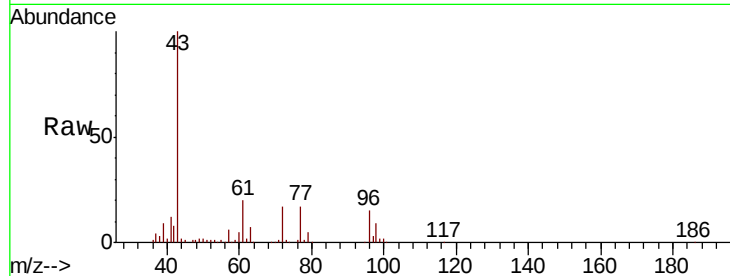
VSTDCCC050

Tot Ion: 43 Resp: 628062

Ion Ratio Lower Upper

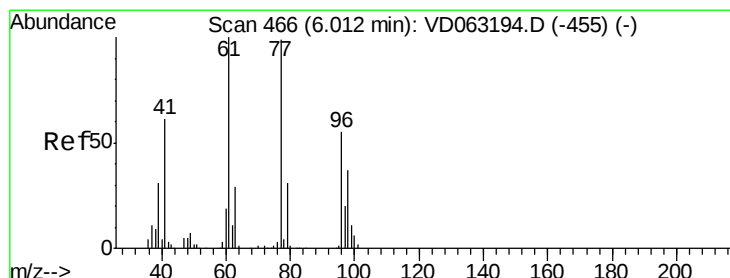
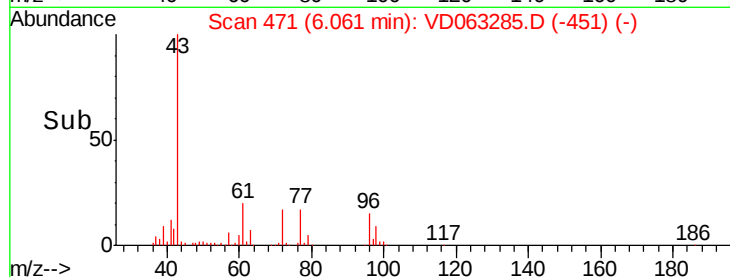
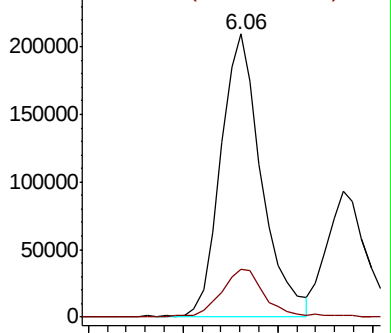
43 100

72 17.1 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: 52.950 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD063285.D

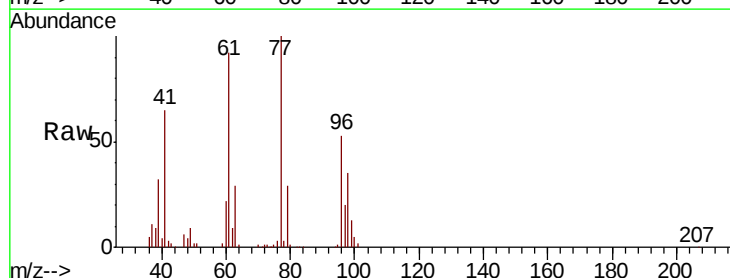
Acq: 1 Aug 2019 10:17

Tgt Ion: 77 Resp: 920396

Ion Ratio Lower Upper

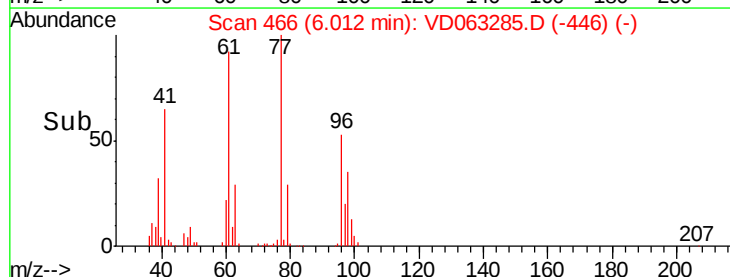
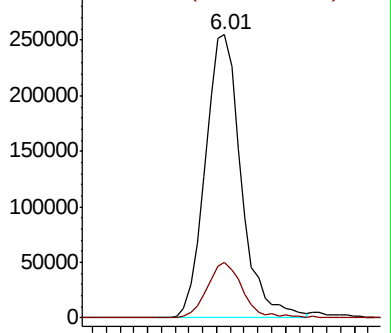
77 100

97 19.6 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



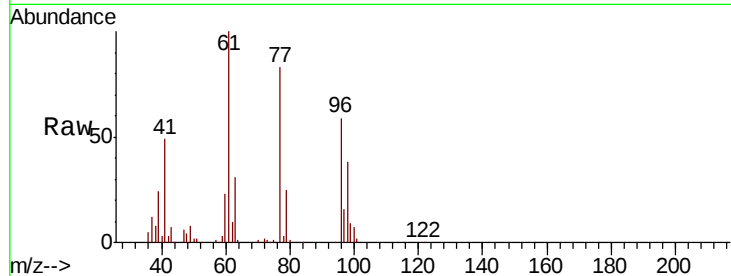


#27

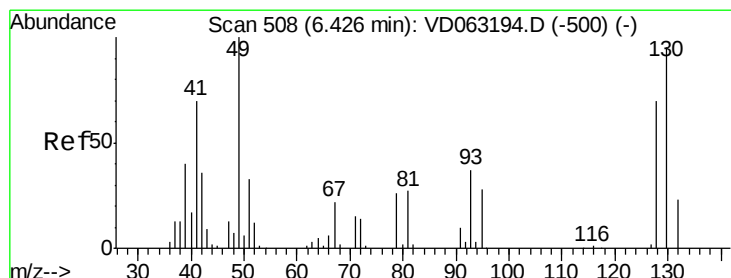
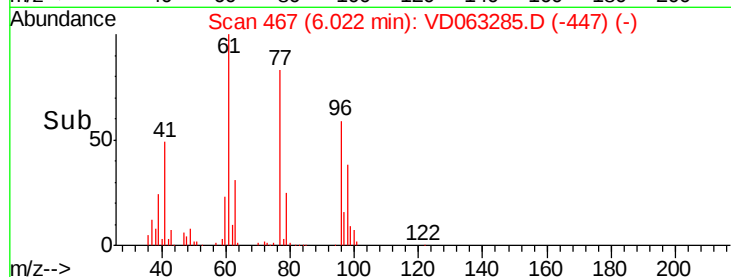
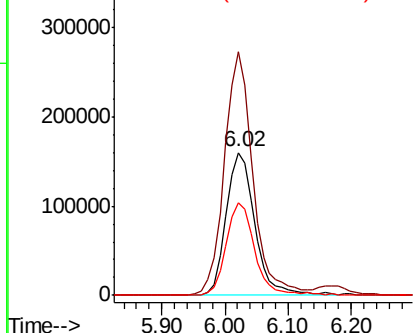
cis-1,2-Dichloroethene
Concen: 50.588 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 504918
Ion Ratio Lower Upper
96 100
61 170.4 0.0 337.2
98 64.4 0.0 130.6



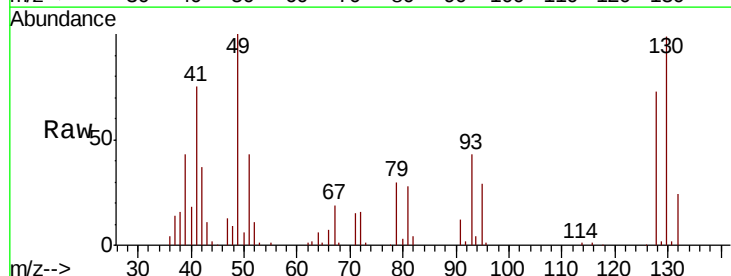
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



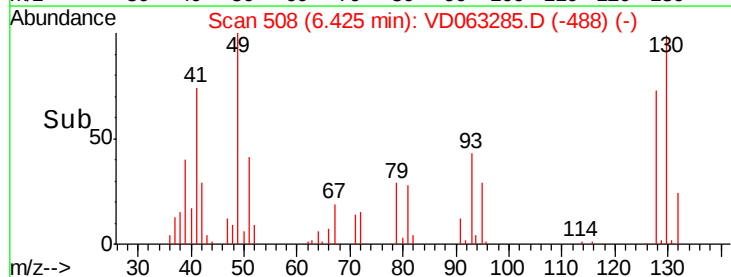
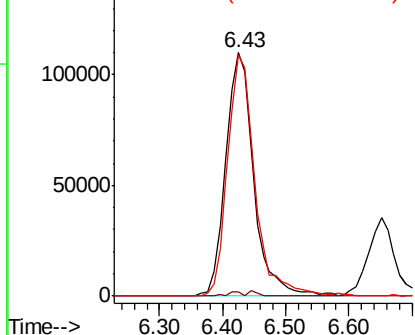
#28

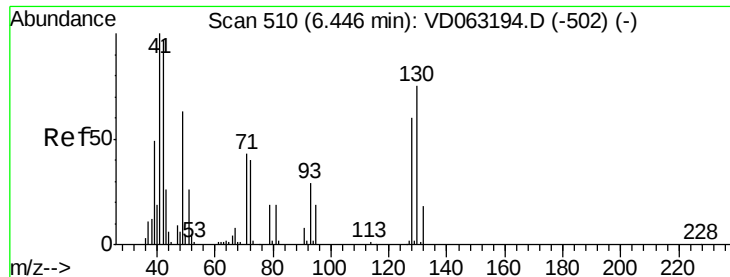
Bromochloromethane
Concen: 50.089 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Tgt Ion: 49 Resp: 336617
Ion Ratio Lower Upper
49 100
129 1.8 0.0 0.0#
130 98.8 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: 245.038 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

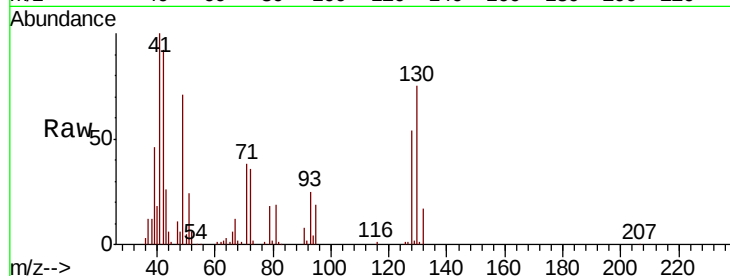
Tot Ion: 42 Resp: 269252

Ion Ratio Lower Upper

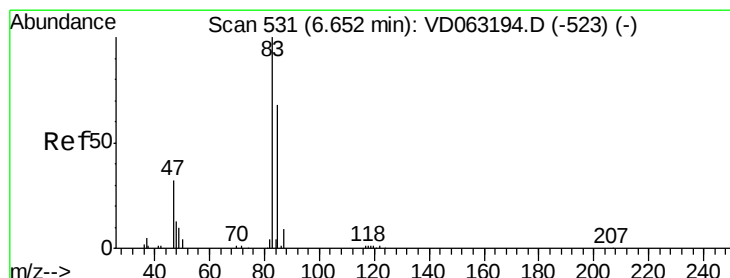
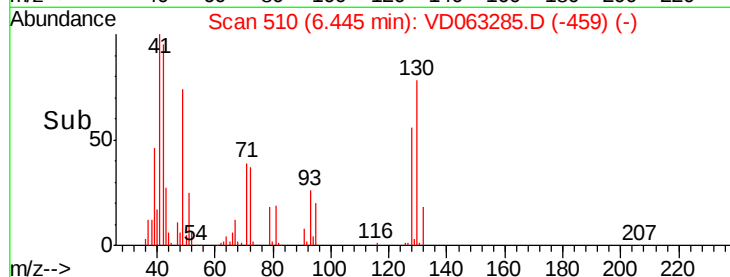
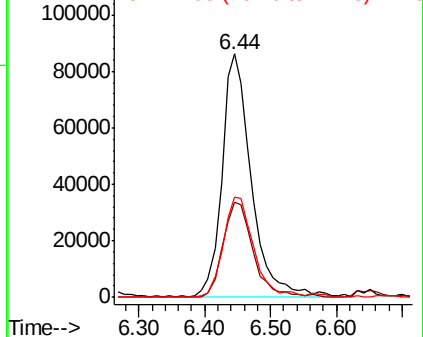
42 100

72 40.4 33.4 50.2

71 42.5 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: 48.849 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.00 min

Lab File: VD063285.D

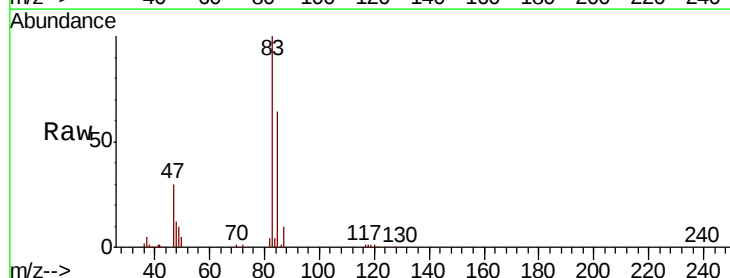
Acq: 1 Aug 2019 10:17

Tgt Ion: 83 Resp: 1022534

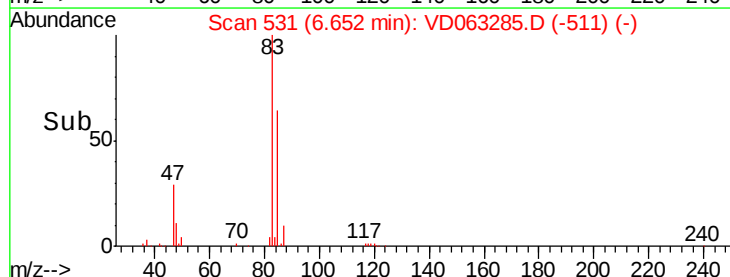
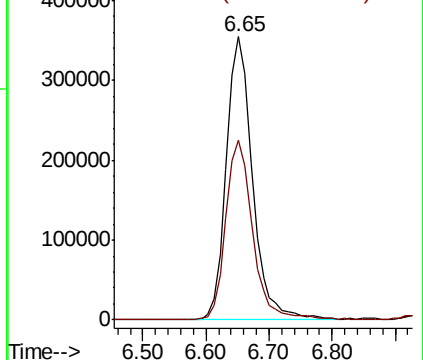
Ion Ratio Lower Upper

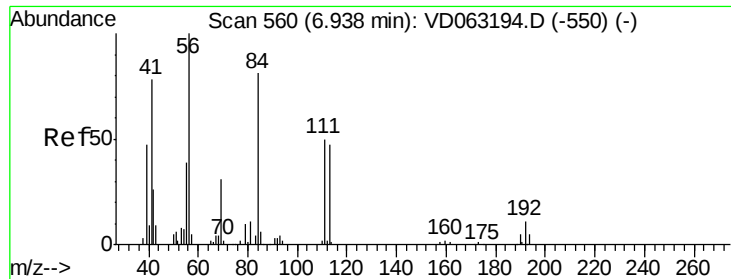
83 100

85 63.6 54.2 81.4



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

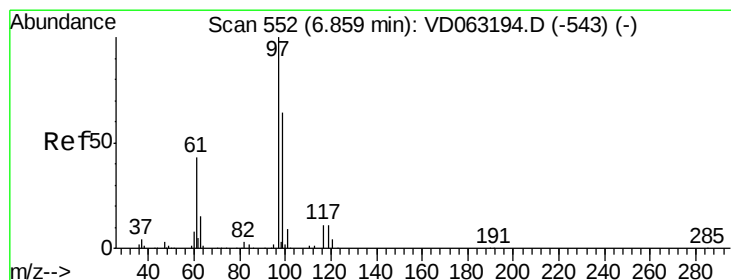
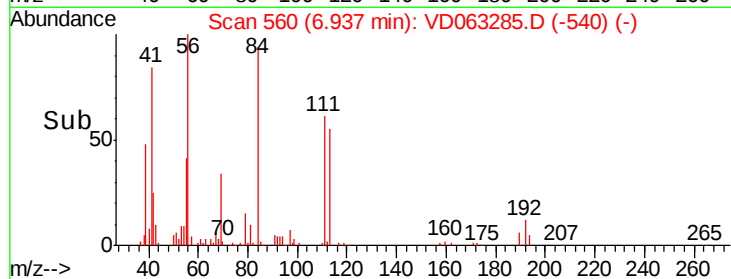
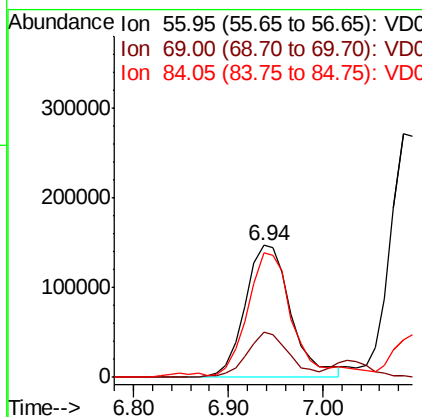
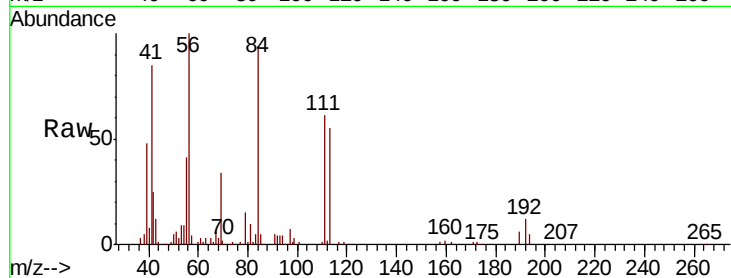




#31
Cyclohexane
Concen: 46.836 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

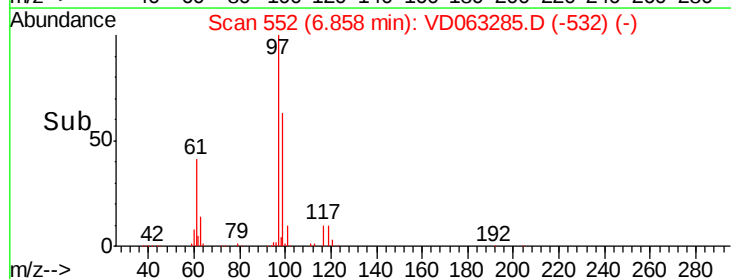
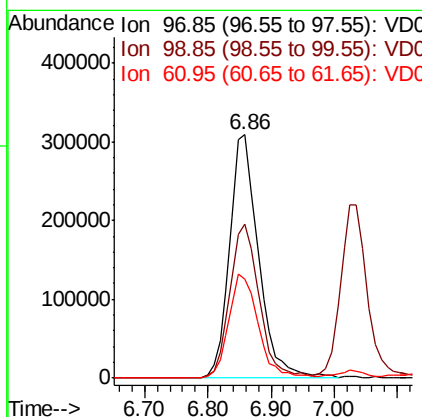
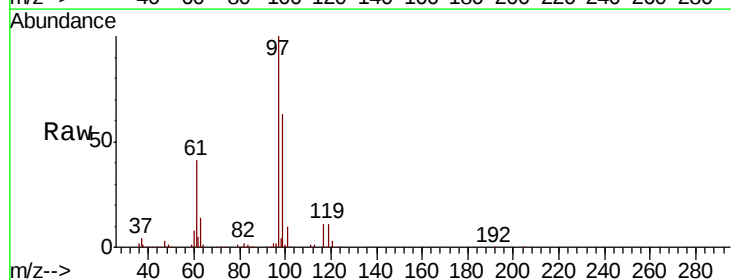
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

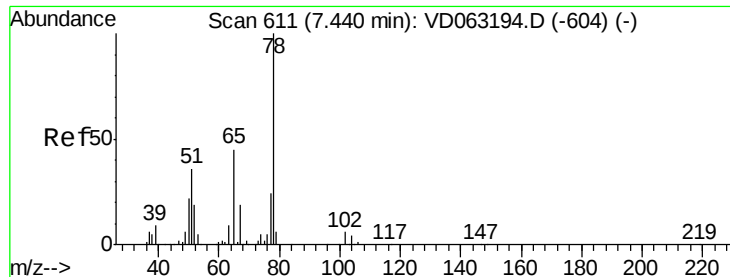
Tot Ion: 56 Resp: 495173
Ion Ratio Lower Upper
56 100
69 34.1 24.5 36.7
84 94.0 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 48.368 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Tgt Ion: 97 Resp: 979313
Ion Ratio Lower Upper
97 100
99 63.1 51.2 76.8
61 40.6 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 52.523 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

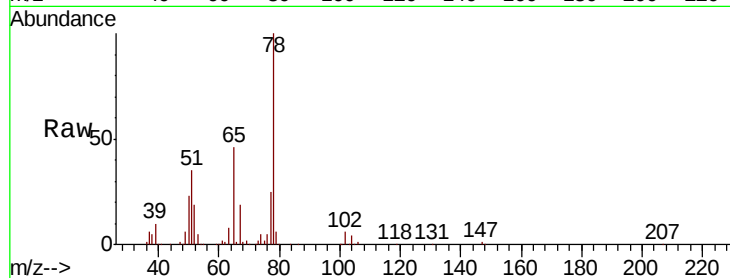
VSTDCCC050

Tot Ion: 65 Resp: 623405

Ion Ratio Lower Upper

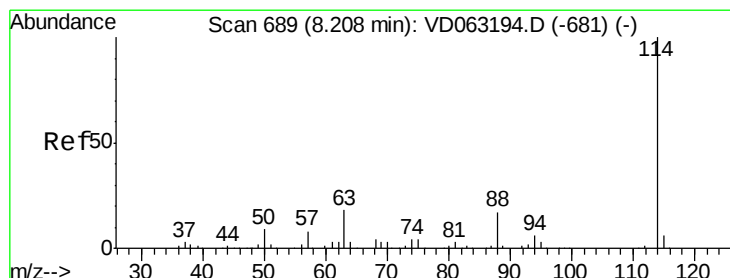
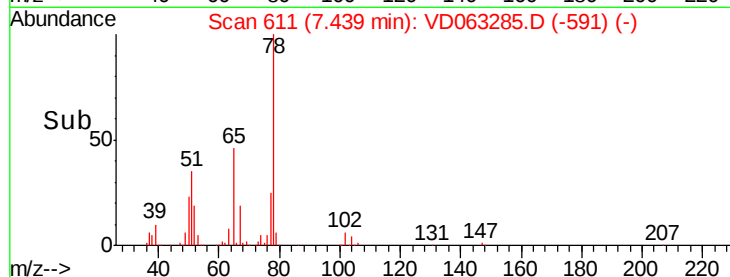
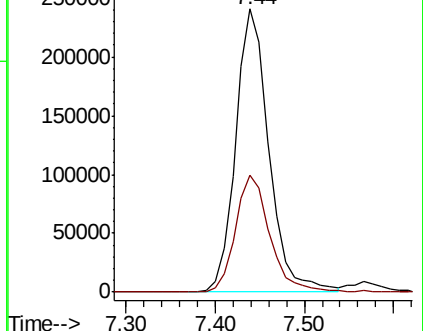
65 100

67 41.5 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

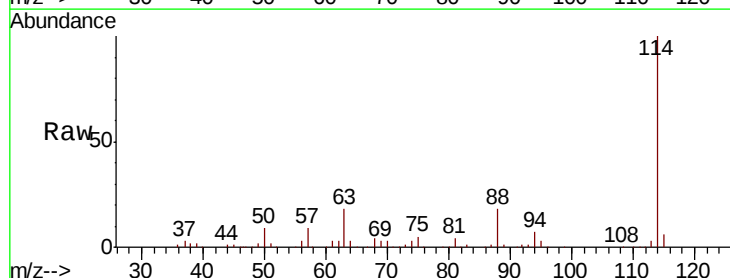
Tgt Ion: 114 Resp: 1475113

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.2

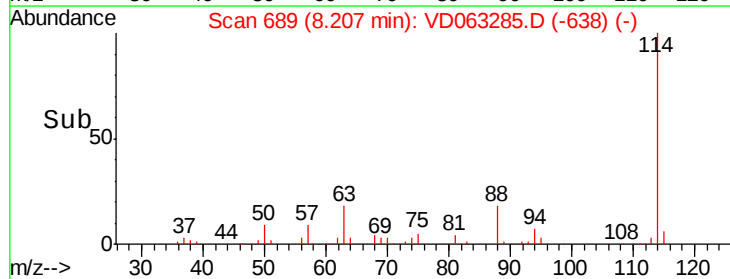
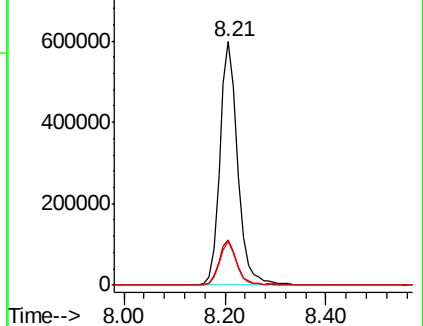
88 17.9 0.0 34.6

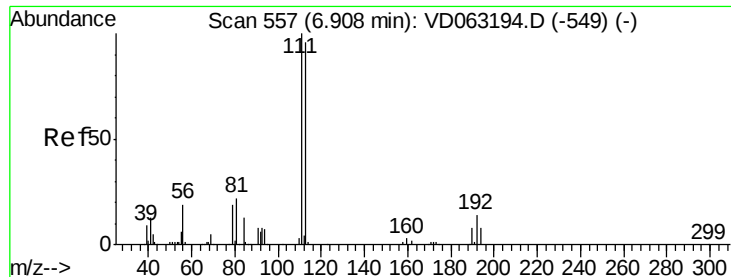


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 49.963 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

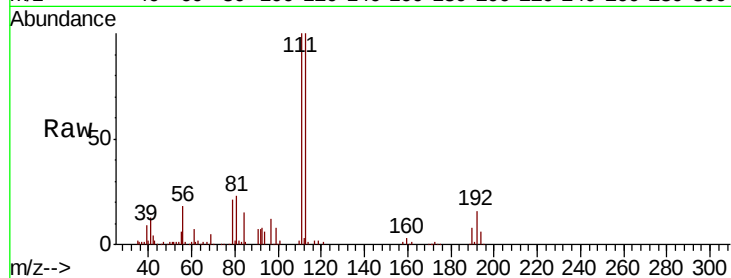
Tot Ion:113 Resp: 629254

Ion Ratio Lower Upper

113 100

111 99.6 83.2 124.8

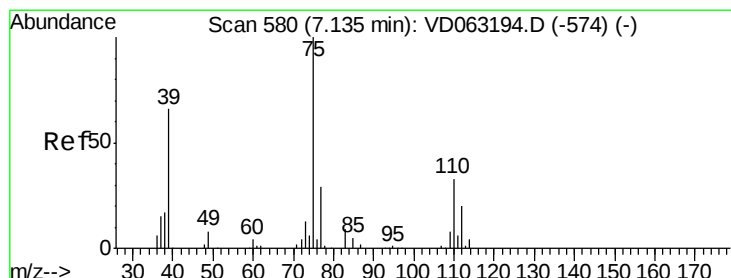
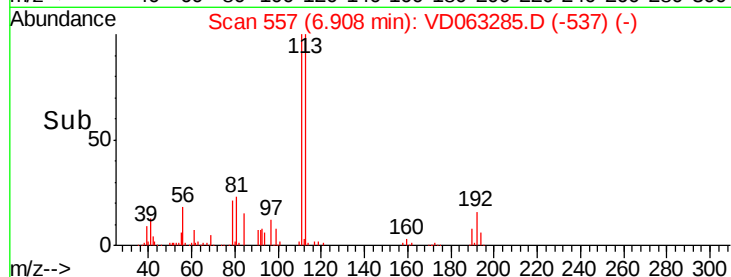
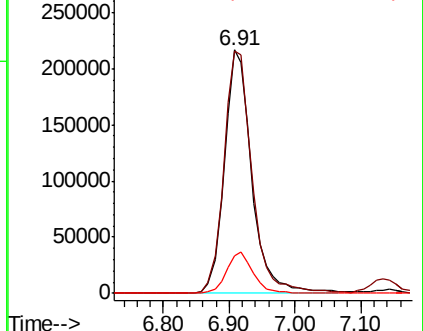
192 15.5 11.8 17.8



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: 48.693 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

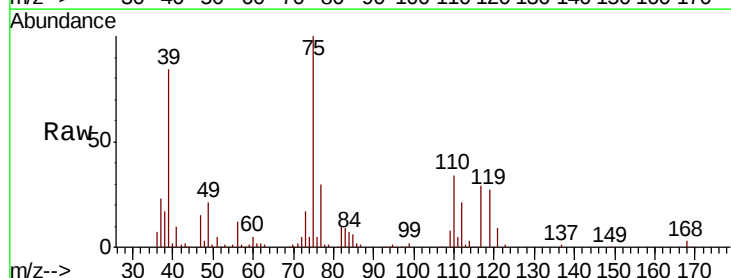
Tgt Ion: 75 Resp: 655517

Ion Ratio Lower Upper

75 100

110 33.8 16.1 48.2

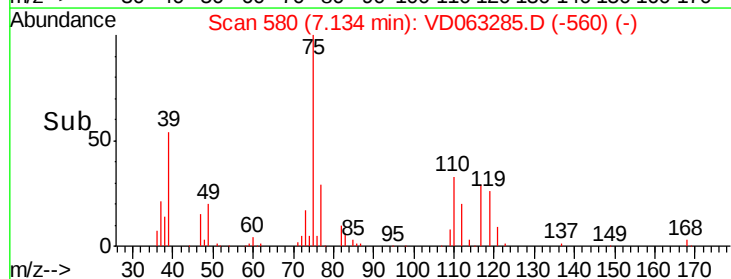
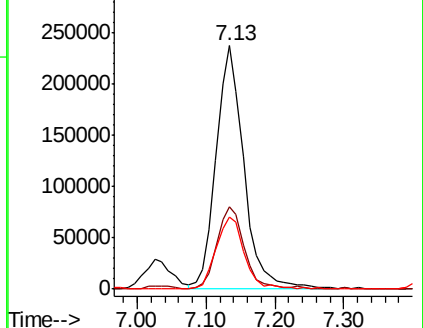
77 29.6 22.7 34.1

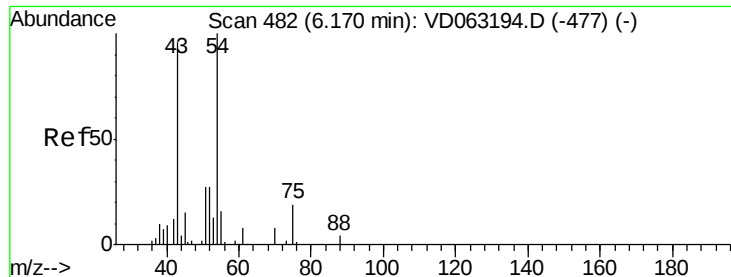


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

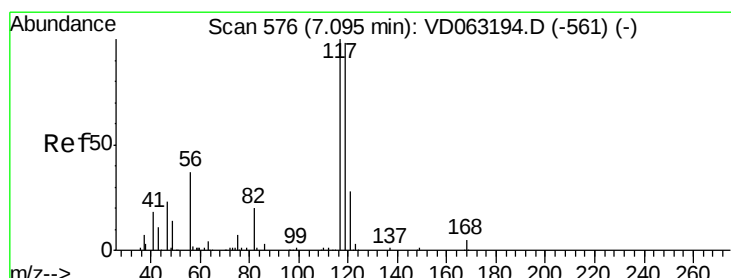
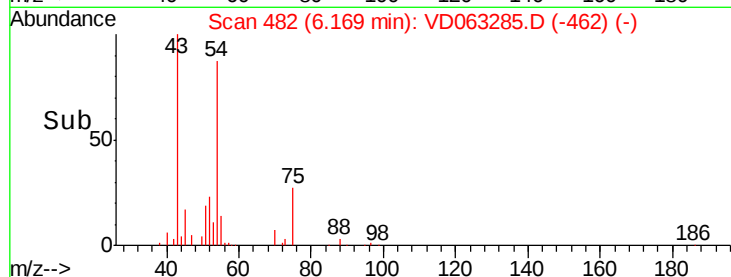
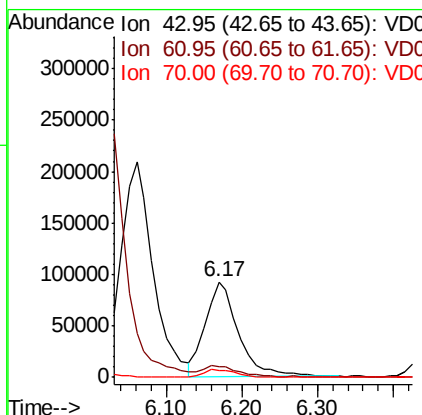
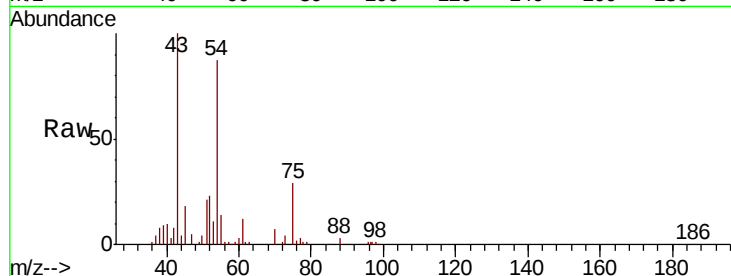




#37
Ethyl Acetate
Concen: 45.772 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

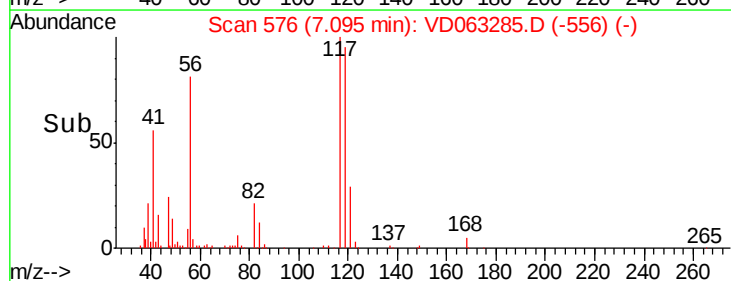
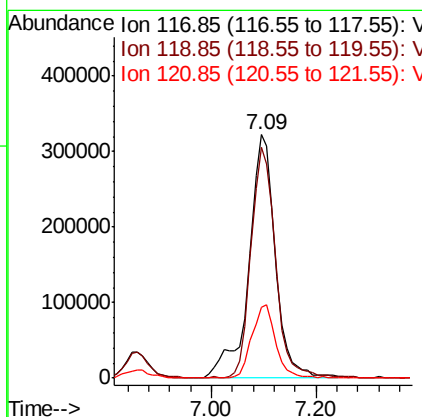
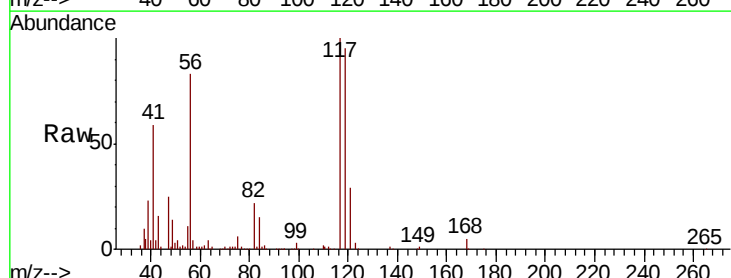
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

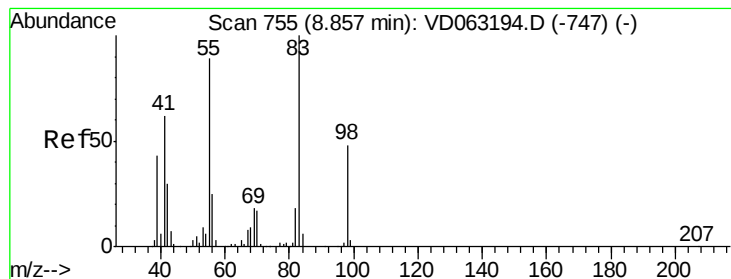
Tot Ion: 43 Resp: 276834
Ion Ratio Lower Upper
43 100
61 11.7 11.3 16.9
70 7.1 5.1 7.7



#38
Carbon Tetrachloride
Concen: 55.115 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Tgt Ion: 117 Resp: 1117018
Ion Ratio Lower Upper
117 100
119 94.8 78.2 117.2
121 29.2 22.1 33.1





#39

Methvlcvclohexane

Concen: 50.254 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

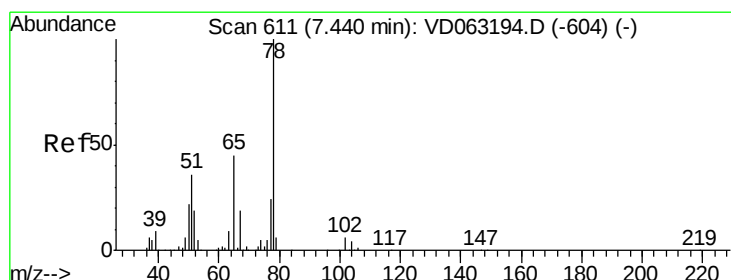
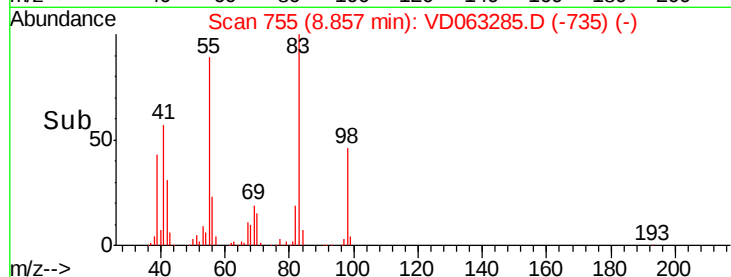
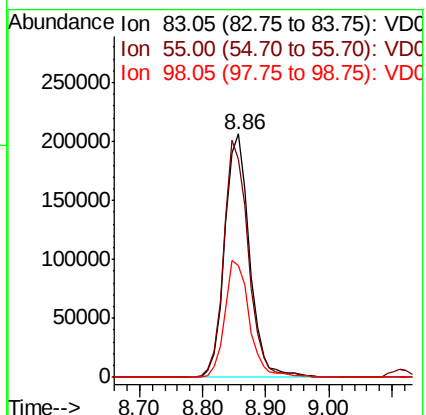
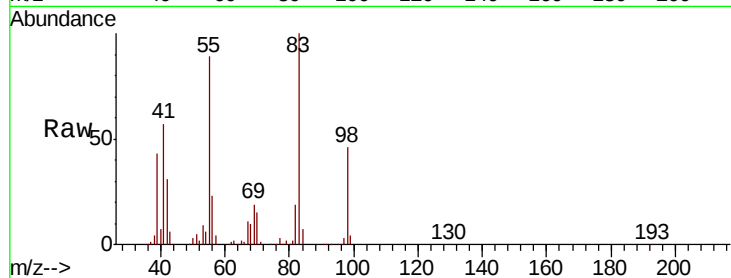
Tot Ion: 83 Resp: 563666

Ion Ratio Lower Upper

83 100

55 89.4 71.1 106.7

98 45.8 38.5 57.7



#40

Benzene

Concen: 52.408 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD063285.D

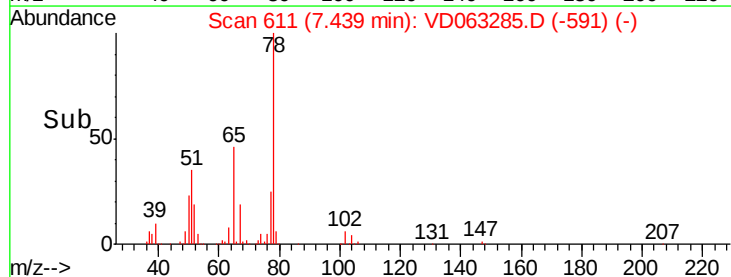
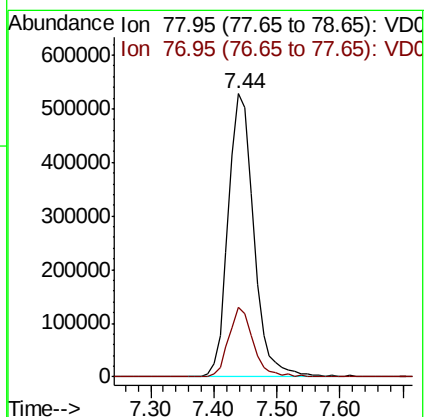
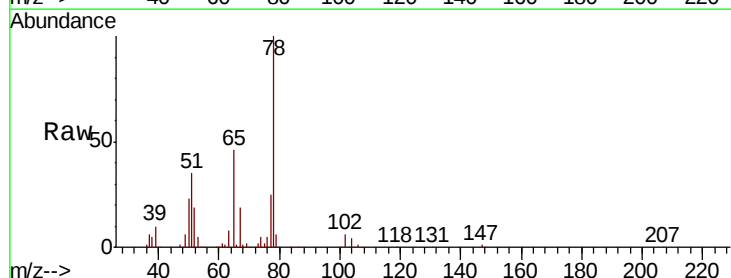
Acq: 1 Aug 2019 10:17

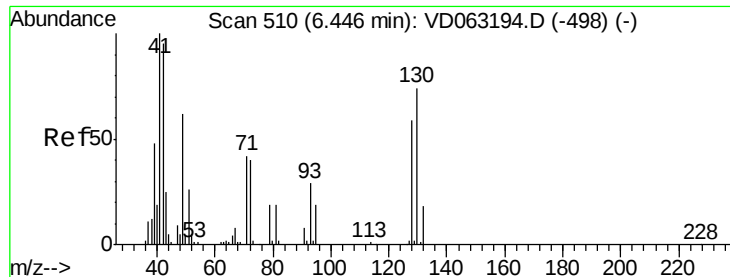
Tgt Ion: 78 Resp: 1478647

Ion Ratio Lower Upper

78 100

77 24.7 19.4 29.2

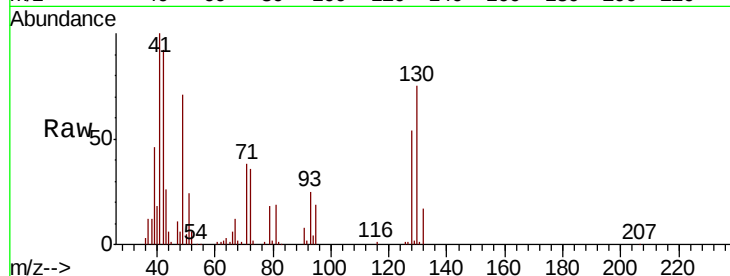




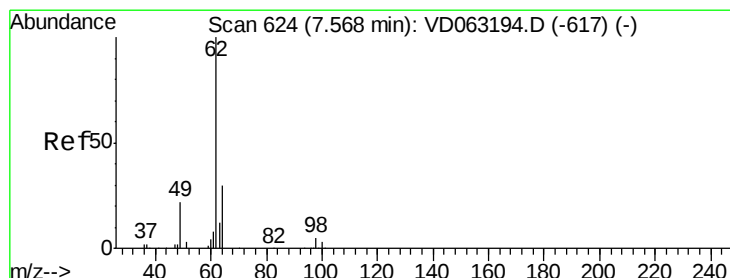
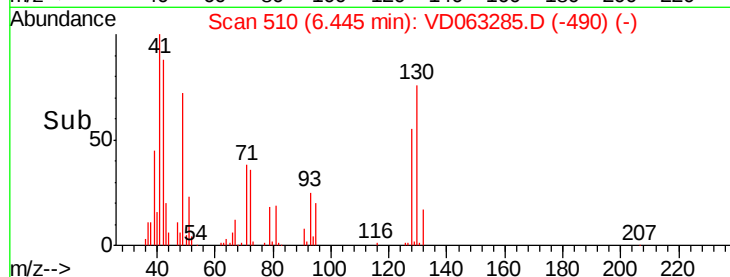
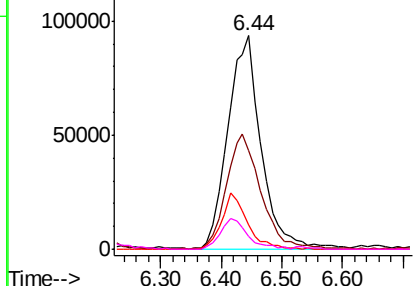
#41
Methacrylonitrile
Concen: 49.185 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 355835
Ion Ratio Lower Upper
41 100
39 46.2 38.4 57.6
67 11.6 6.7 10.1#
52 6.2 4.3 6.5

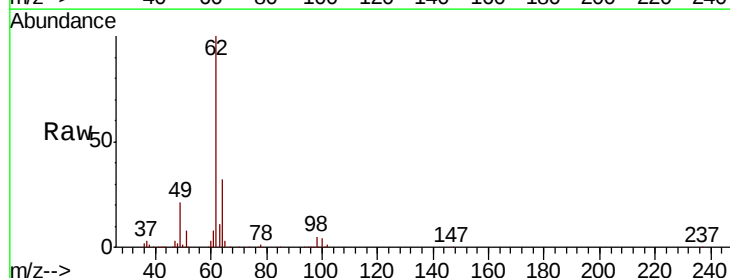


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

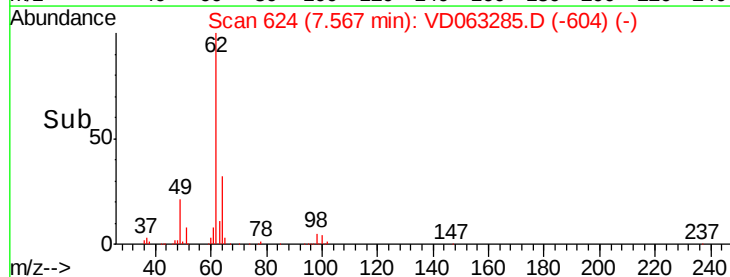
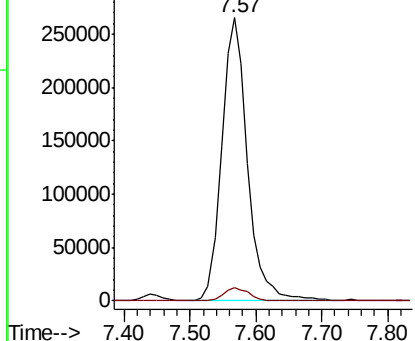


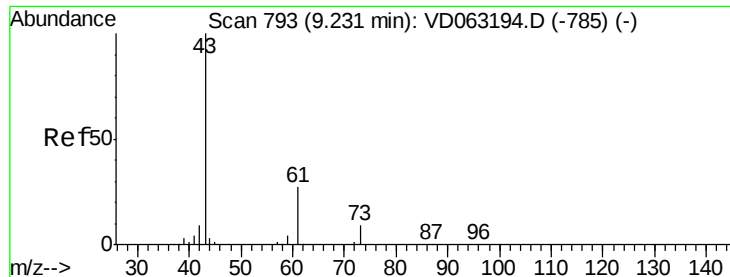
#42
1,2-Dichloroethane
Concen: 48.239 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Tgt Ion: 62 Resp: 721324
Ion Ratio Lower Upper
62 100
98 4.7 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



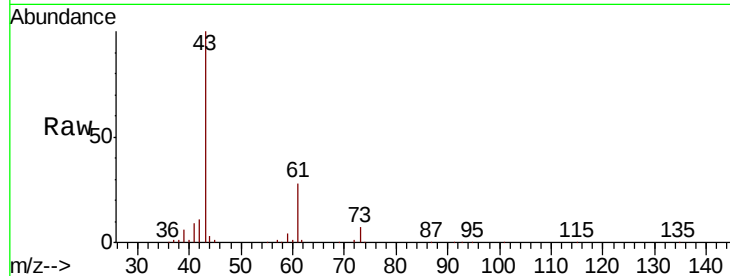


#43

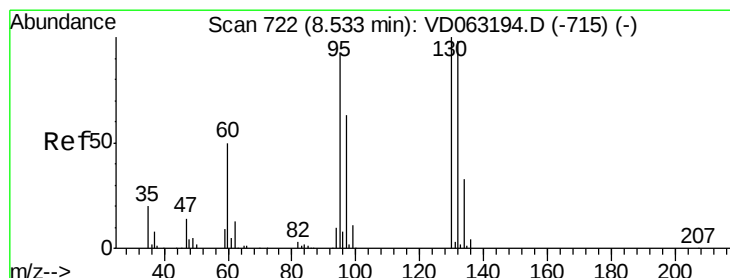
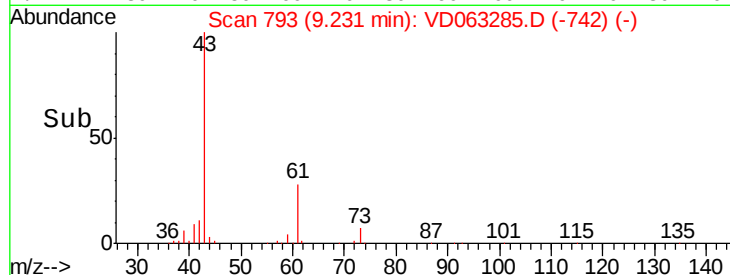
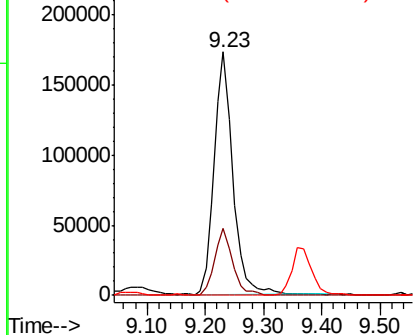
Isopropyl Acetate
 Concen: 49.726 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 384167
 Ion Ratio Lower Upper
 43 100
 61 27.7 21.4 32.0
 87 0.4 0.2 0.4#



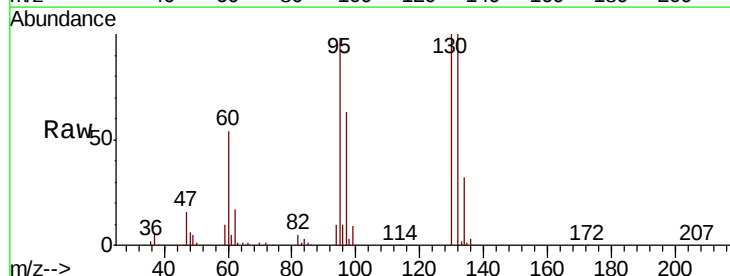
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



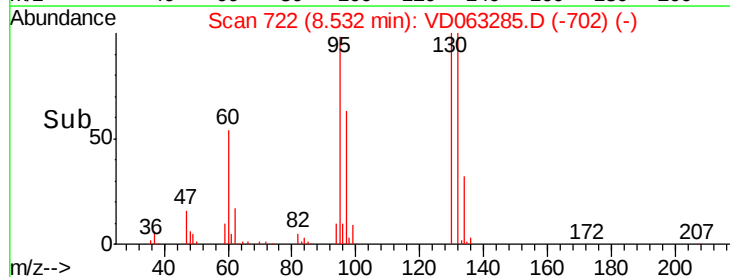
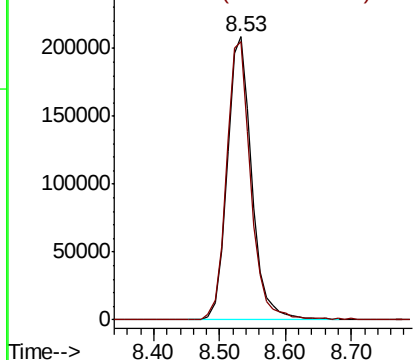
#44

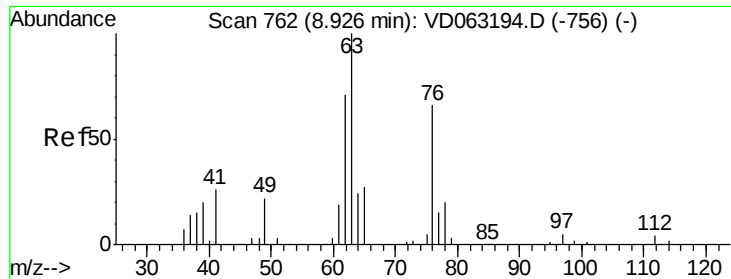
Trichloroethene
 Concen: 47.417 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

Tgt Ion: 130 Resp: 542112
 Ion Ratio Lower Upper
 130 100
 95 98.3 0.0 185.4



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





#45

1,2-Dichloropropane

Concen: 49.445 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

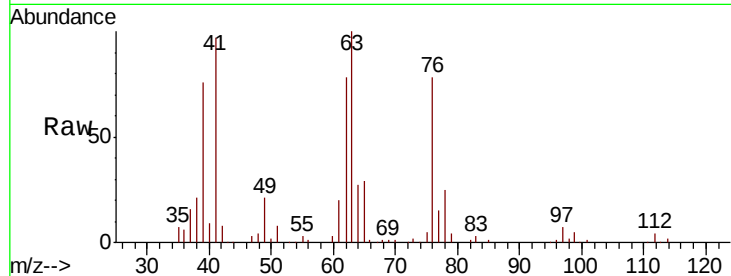
VSTDCCC050

Tot Ion: 63 Resp: 354587

Ion Ratio Lower Upper

63 100

65 28.8 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

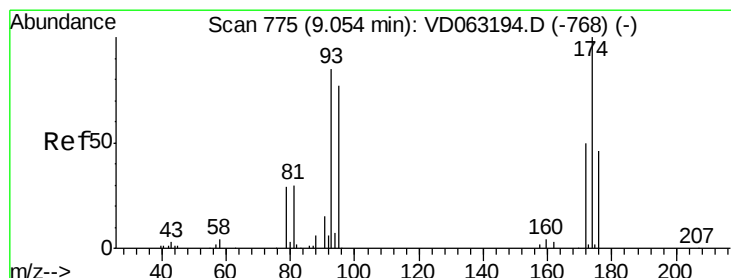
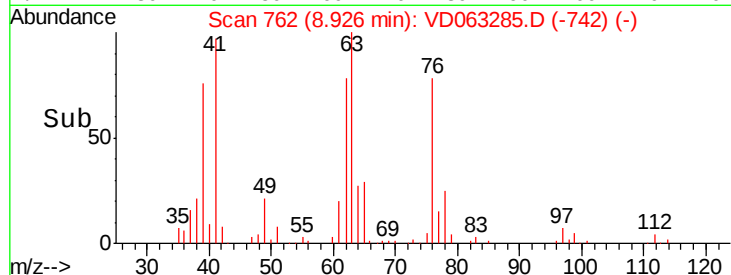
150000

100000

50000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 49.078 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

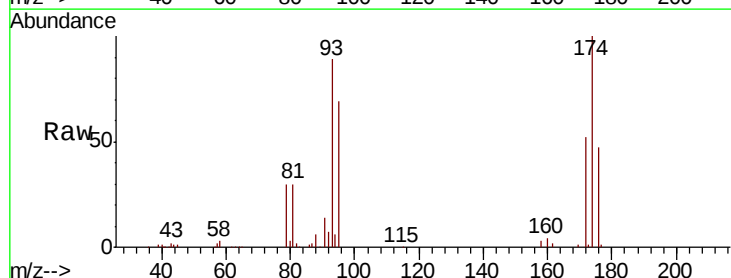
Tgt Ion: 93 Resp: 292644

Ion Ratio Lower Upper

93 100

95 78.3 72.8 109.2

174 113.0 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

9.05

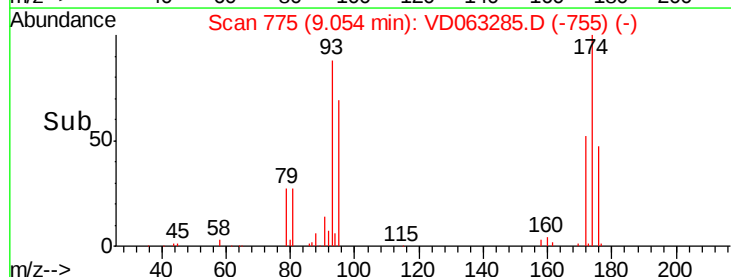
150000

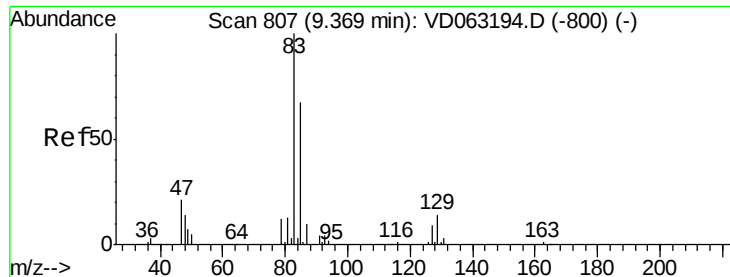
100000

50000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 51.852 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

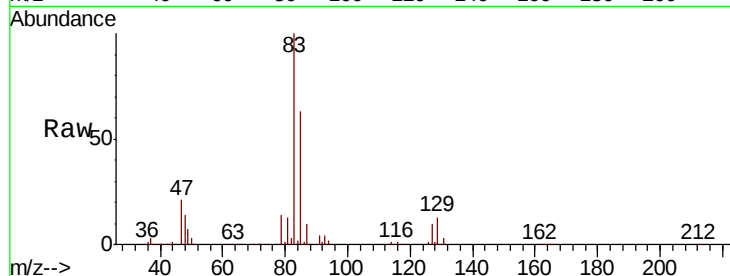
Tot Ion: 83 Resp: 788147

Ion Ratio Lower Upper

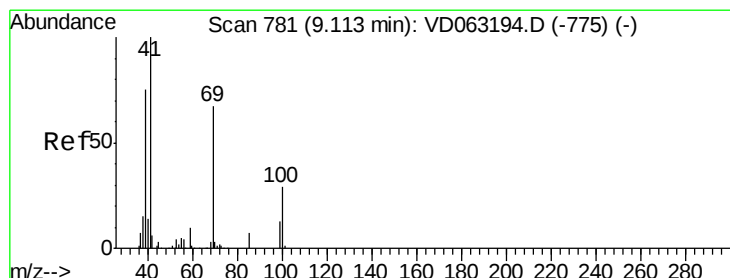
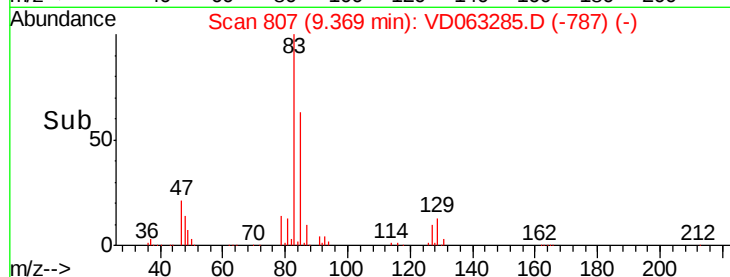
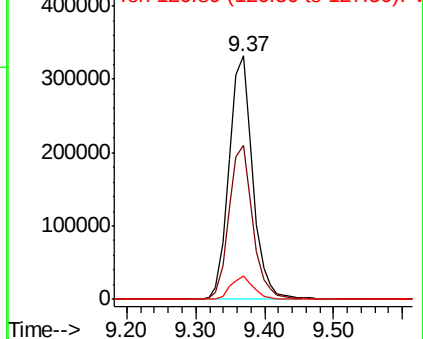
83 100

85 63.5 53.6 80.4

127 9.9 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: 52.798 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

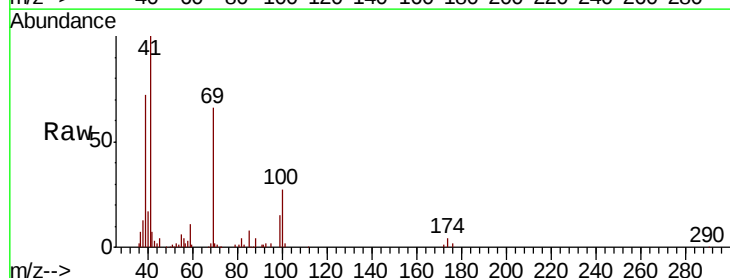
Tgt Ion: 41 Resp: 264550

Ion Ratio Lower Upper

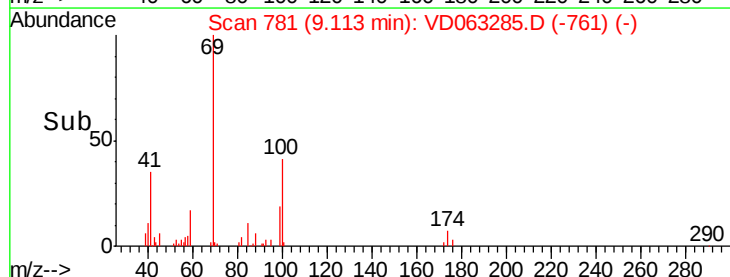
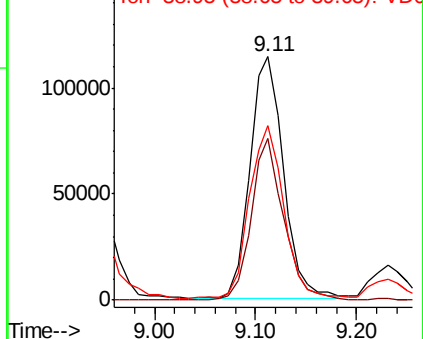
41 100

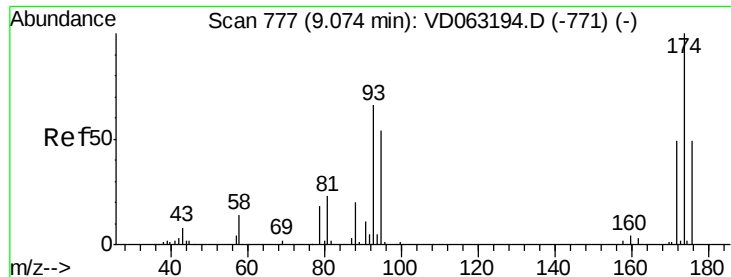
69 66.2 53.4 80.0

39 71.9 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

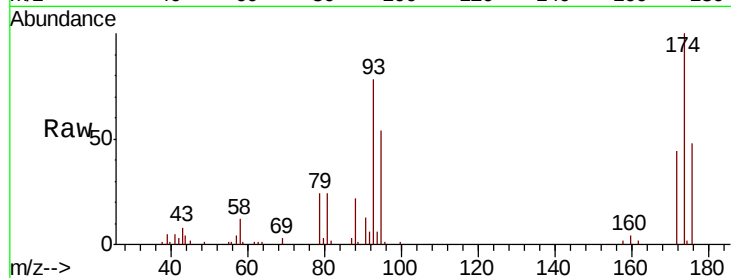




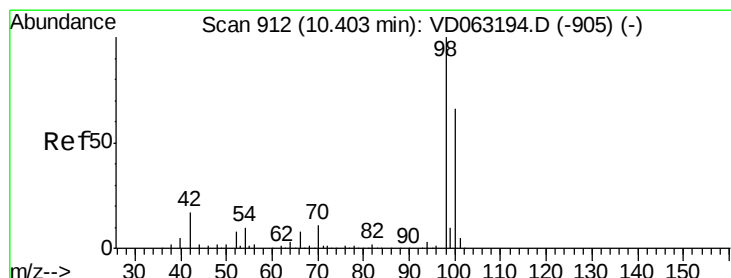
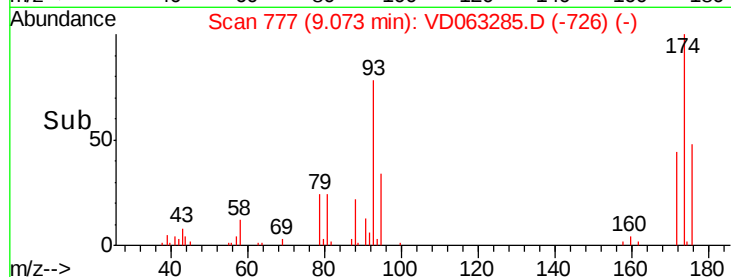
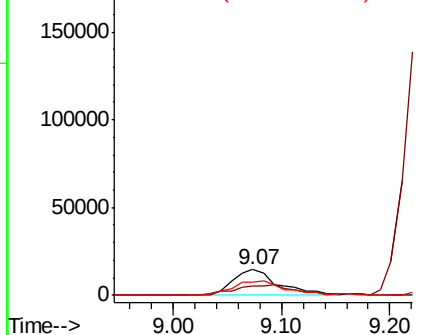
#49
 1,4-Dioxane
 Concen: 1027.143 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 43593
 Ion Ratio Lower Upper
 88 100
 43 38.9 30.7 46.1
 58 53.2 56.5 84.7#

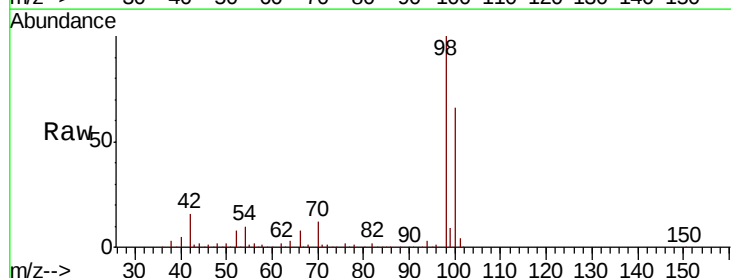


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

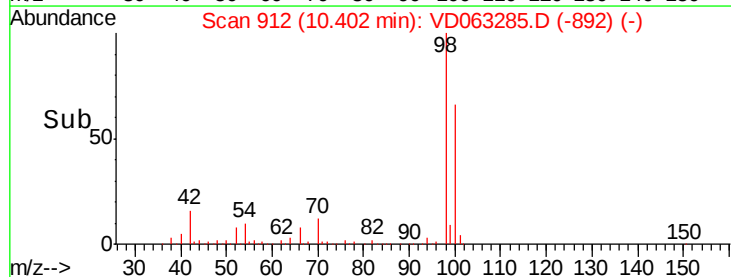
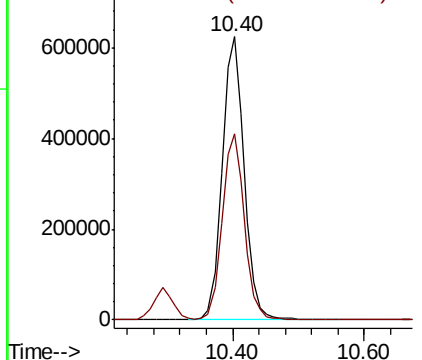


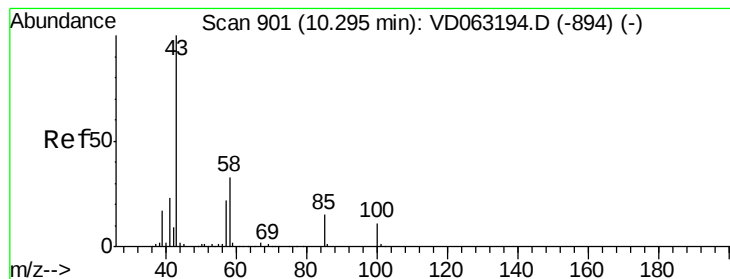
#50
 Toluene-d8
 Concen: 51.413 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

Tgt Ion: 98 Resp: 1449130
 Ion Ratio Lower Upper
 98 100
 100 65.6 53.2 79.8



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





#51

4-Methyl-2-Pentanone

Concen: 253.843 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

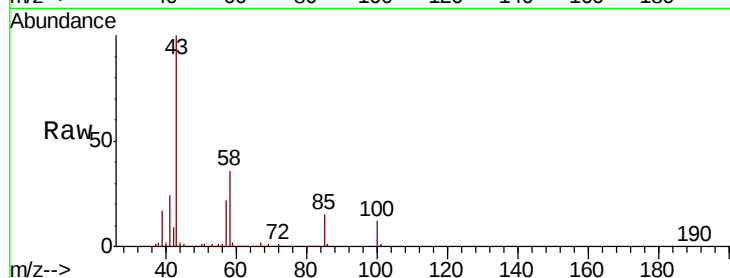
VSTDCCC050

Tot Ion: 43 Resp: 1333730

Ion Ratio Lower Upper

43 100

58 36.0 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

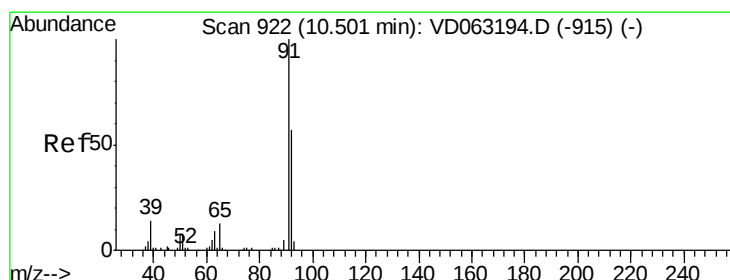
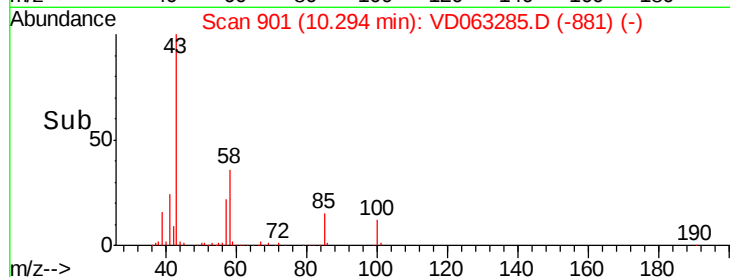
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.828 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD063285.D

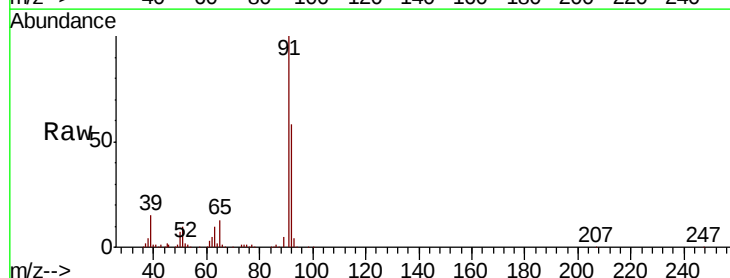
Acq: 1 Aug 2019 10:17

Tgt Ion: 92 Resp: 953805

Ion Ratio Lower Upper

92 100

91 172.3 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

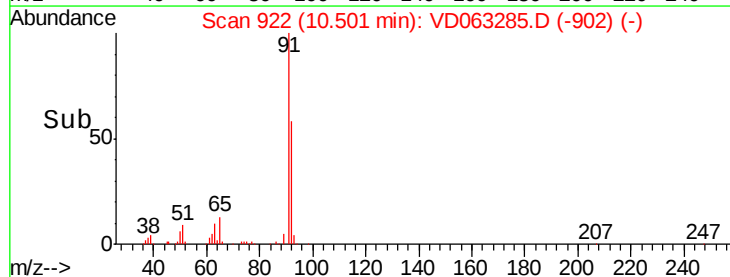
600000

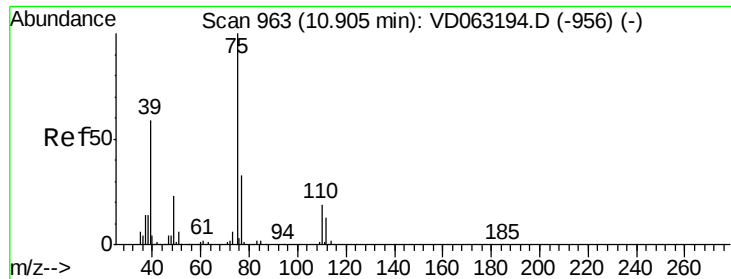
400000

200000

0

Time-->

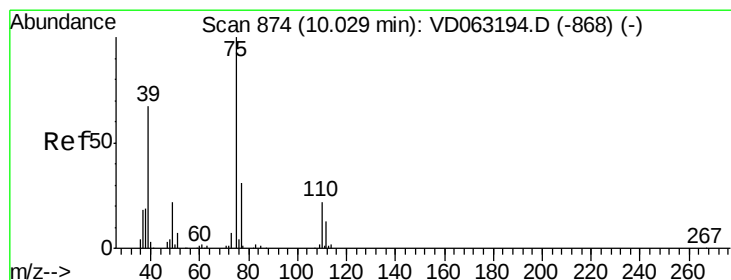
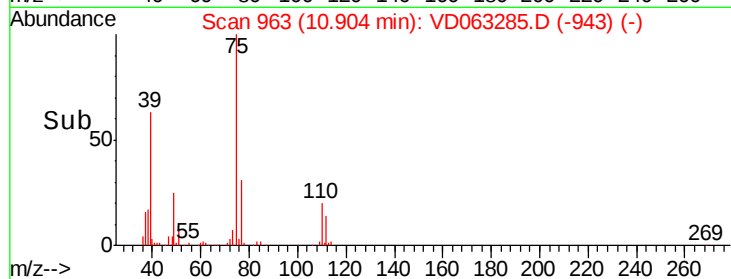
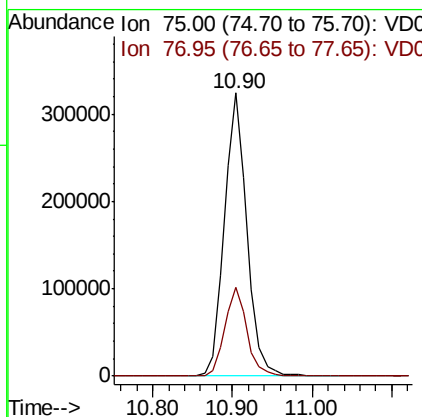
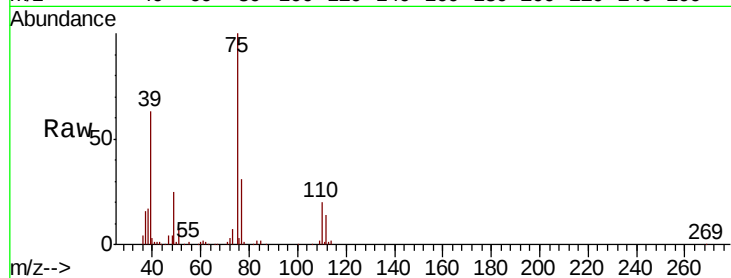




#53
 t-1,3-Dichloropropene
 Concen: 49.080 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

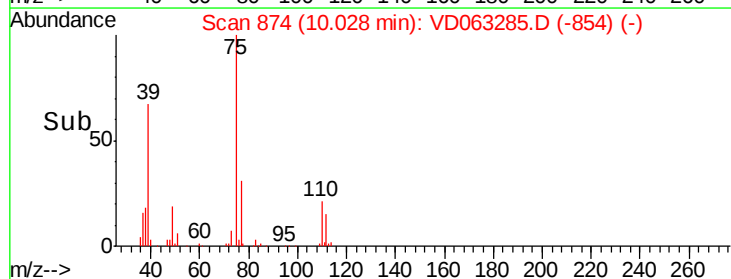
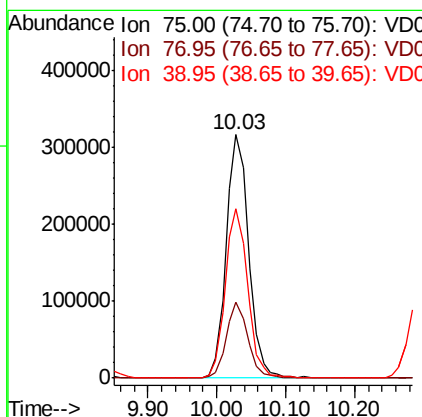
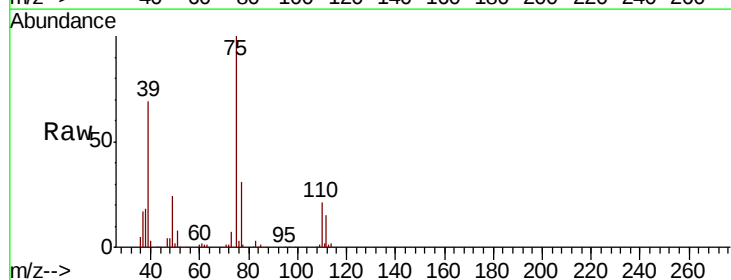
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

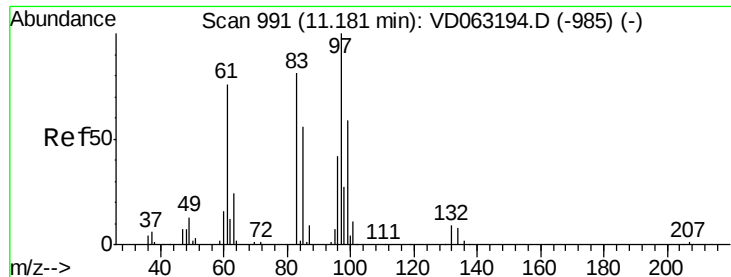
Tot Ion: 75 Resp: 643174
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 51.758 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

Tgt Ion: 75 Resp: 712830
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.9 37.3
 39 69.3 53.9 80.9

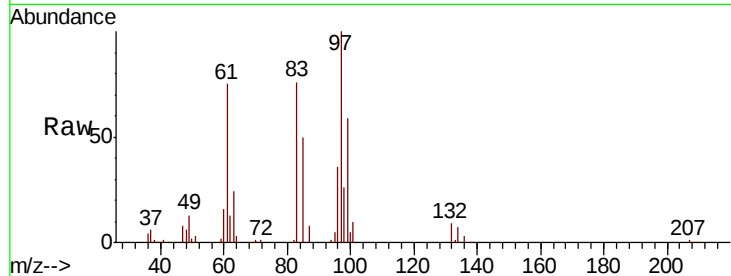




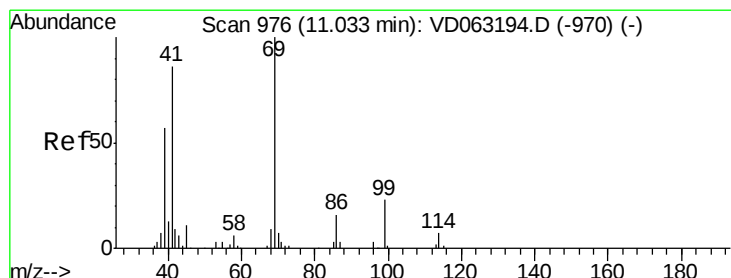
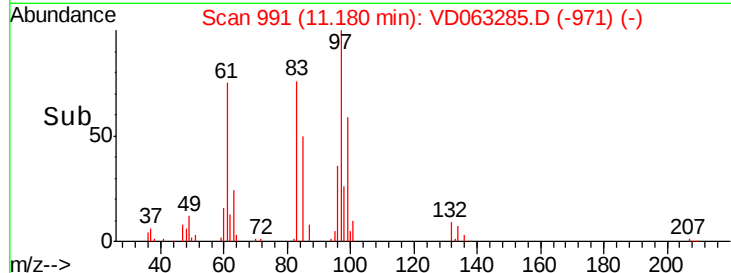
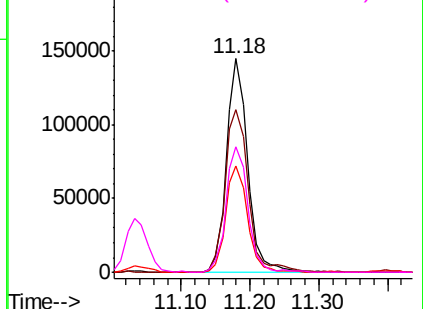
#55
 1,1,2-Trichloroethane
 Concen: 48.574 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	307850
Ion	Ratio	Lower	Upper
97	100		
83	76.2	64.8	97.2
85	49.5	44.9	67.3
99	58.7	47.2	70.8

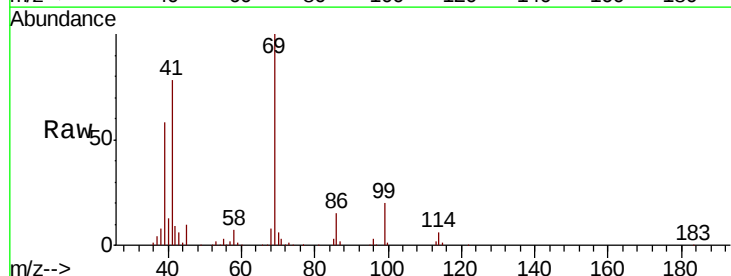


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

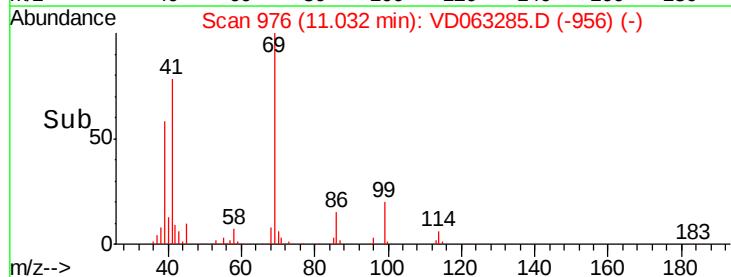
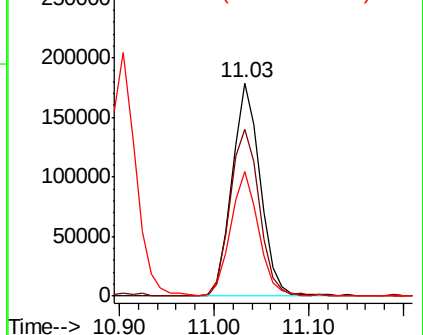


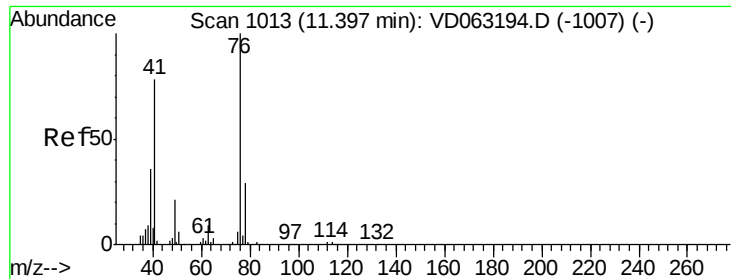
#56
 Ethyl methacrylate
 Concen: 53.163 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

Tgt Ion:	69	Resp:	368953
Ion	Ratio	Lower	Upper
69	100		
41	77.9	68.8	103.2
39	58.2	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: 46.980 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

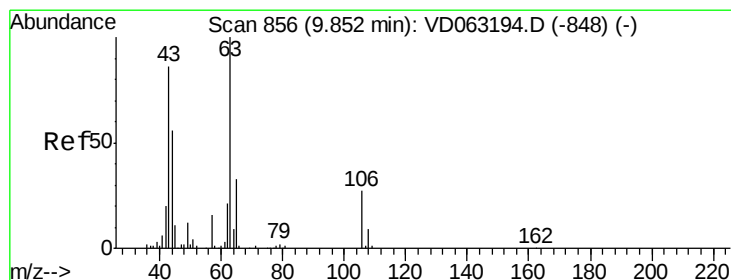
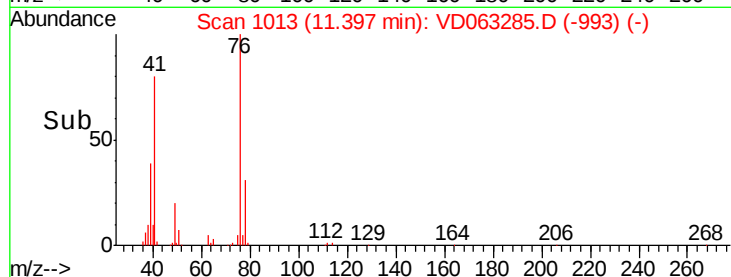
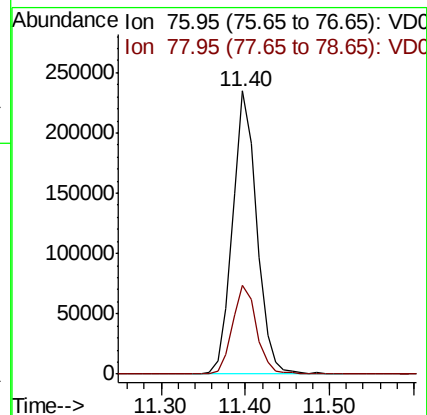
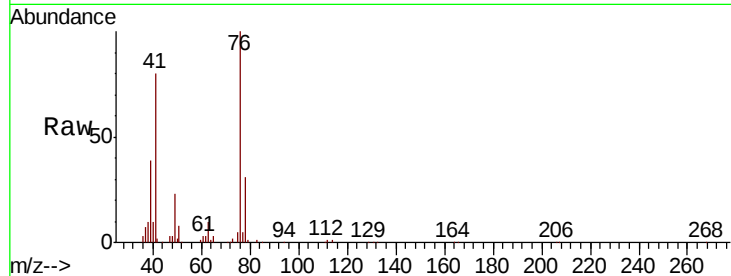
VSTDCCC050

Tot Ion: 76 Resp: 469124

Ion Ratio Lower Upper

76 100

78 31.2 23.4 35.0



#58

2-Chloroethyl Vinyl ether

Concen: 209.862 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD063285.D

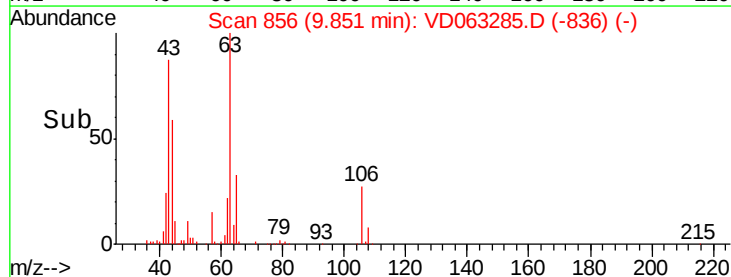
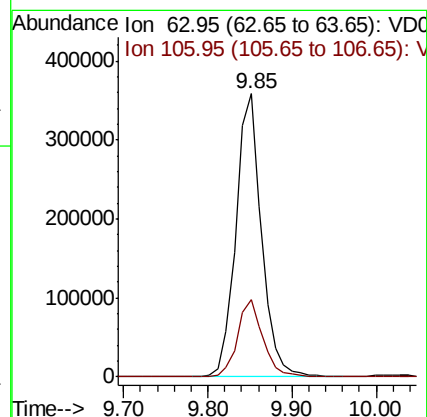
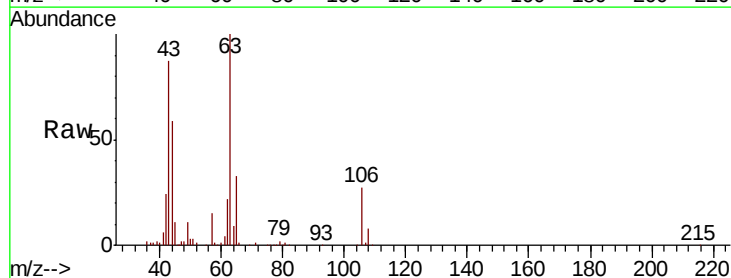
Acq: 1 Aug 2019 10:17

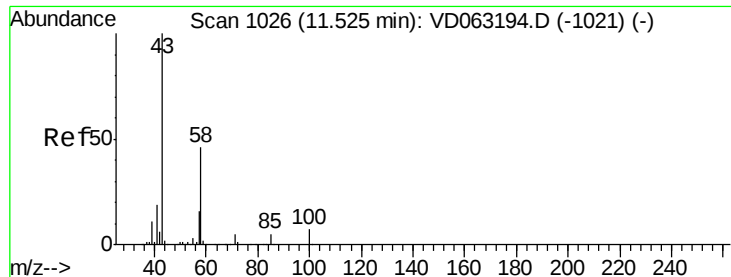
Tgt Ion: 63 Resp: 757844

Ion Ratio Lower Upper

63 100

106 27.4 22.0 33.0

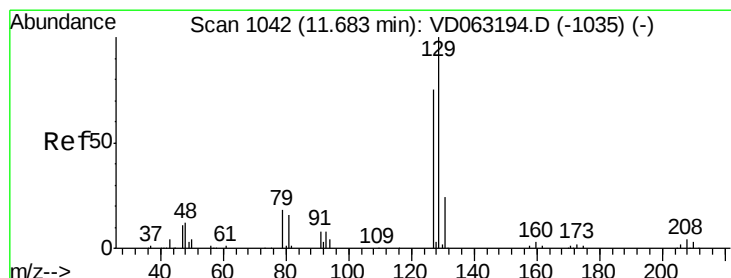
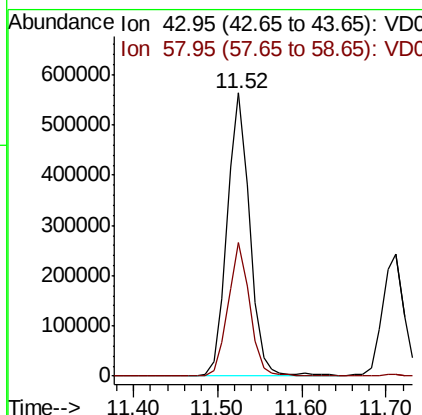
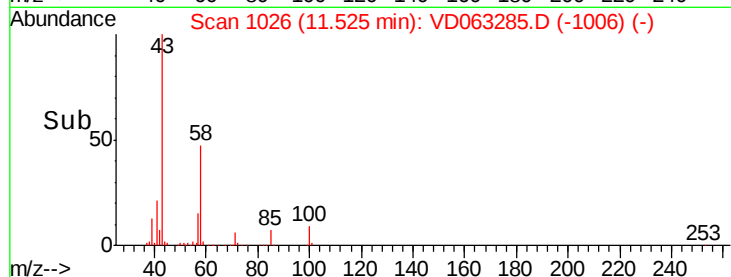
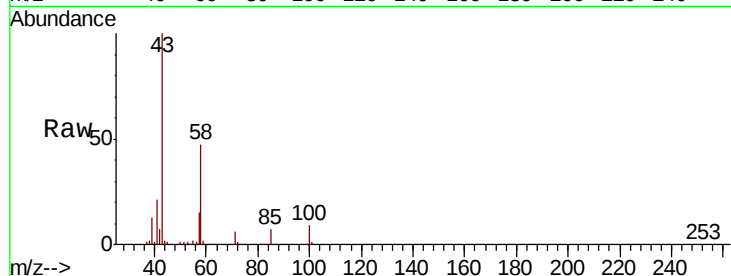




#59
2-Hexanone
Concen: 277.033 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

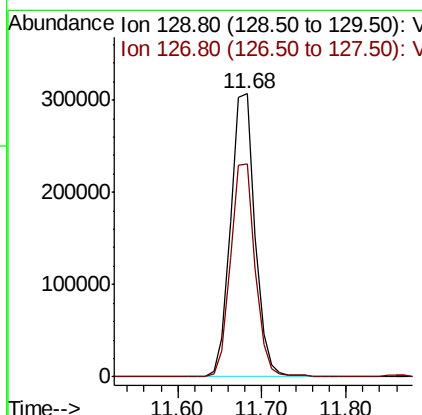
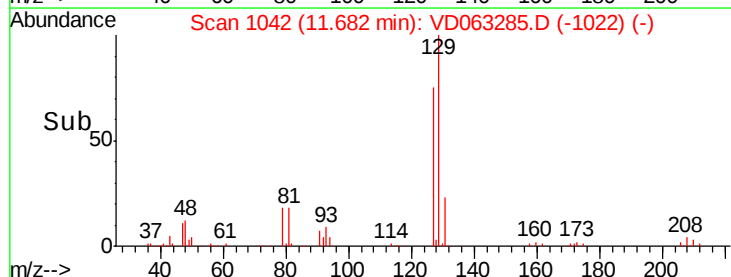
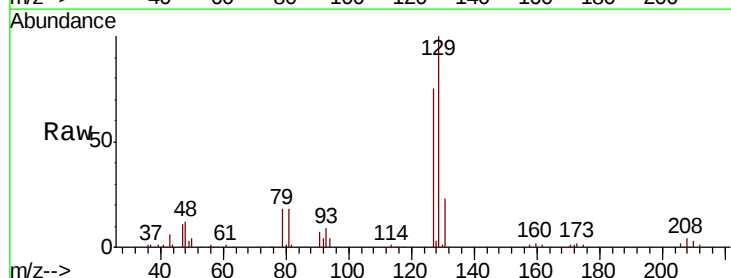
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1048947
Ion Ratio Lower Upper
43 100
58 47.1 22.9 68.5



#60
Dibromochloromethane
Concen: 51.855 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Tgt Ion: 129 Resp: 620422
Ion Ratio Lower Upper
129 100
127 75.5 37.6 112.8

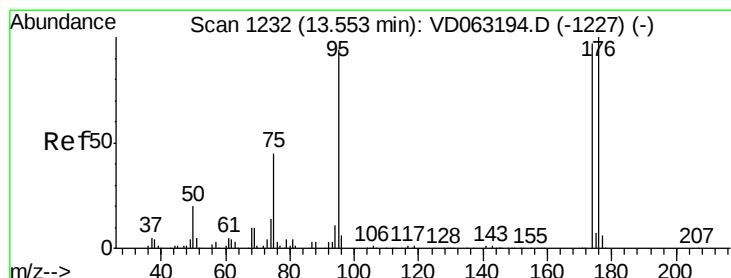
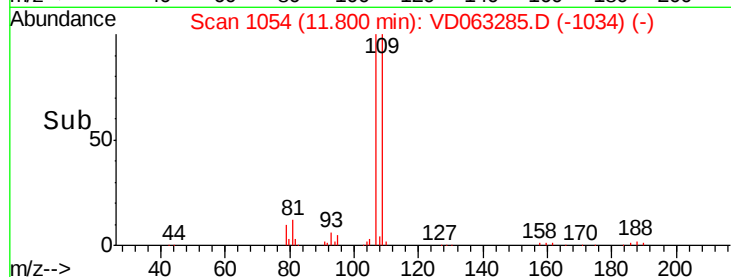
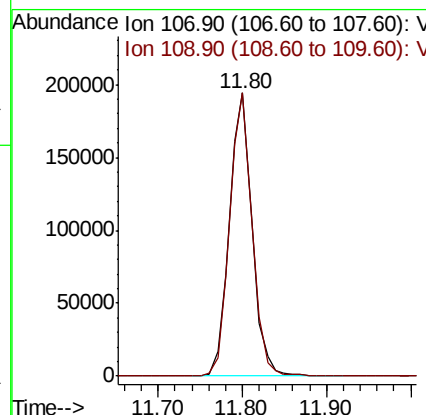
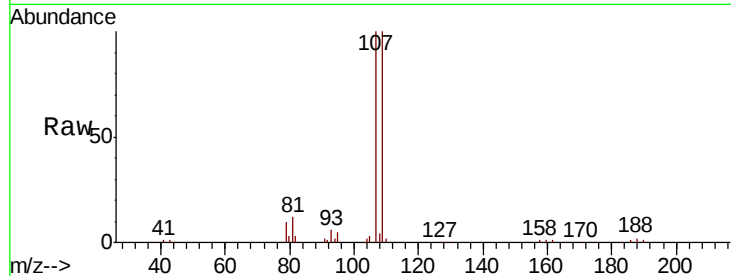




#61
1,2-Dibromoethane
Concen: 46.413 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

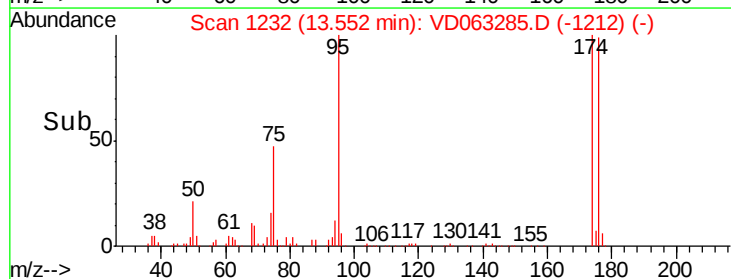
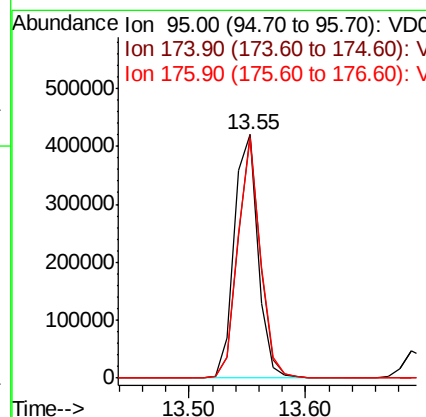
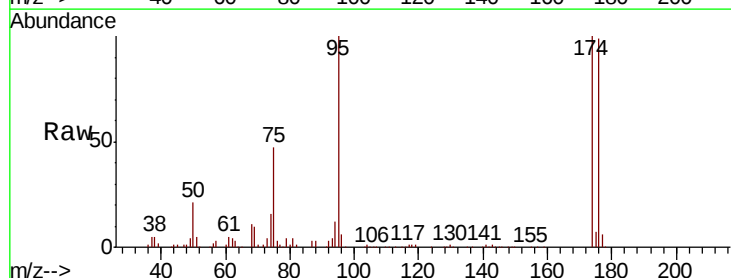
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

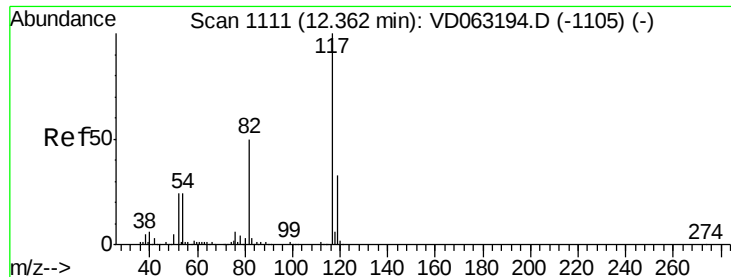
Tot Ion:107 Resp: 362964
Ion Ratio Lower Upper
107 100
109 100.0 77.5 116.3



#62
4-Bromofluorobenzene
Concen: 46.370 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Tgt Ion: 95 Resp: 595585
Ion Ratio Lower Upper
95 100
174 100.2 0.0 205.4
176 98.9 0.0 211.8

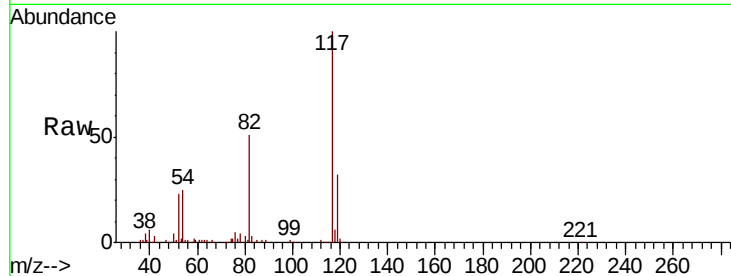




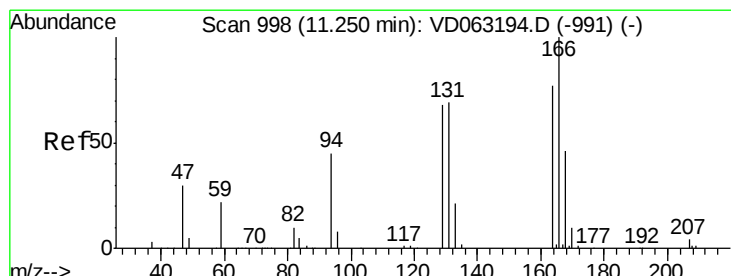
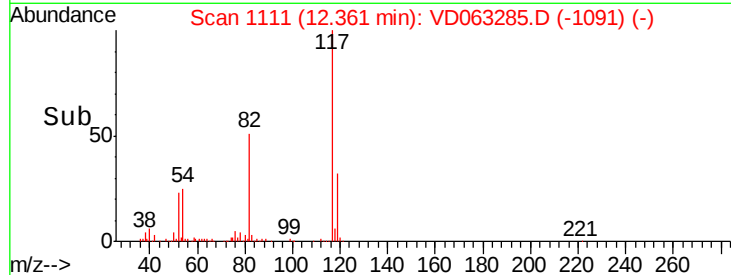
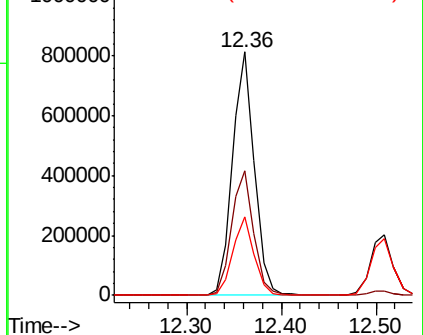
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1300316
Ion Ratio Lower Upper
117 100
82 51.3 40.1 60.1
119 32.1 26.5 39.7

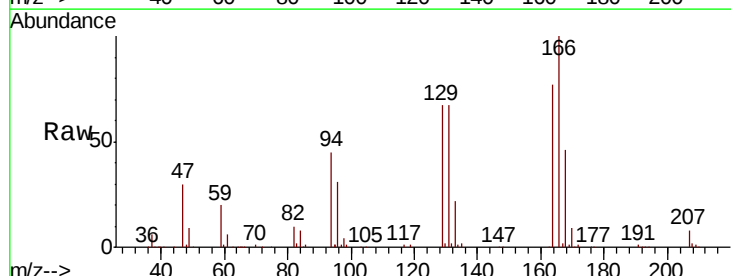


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

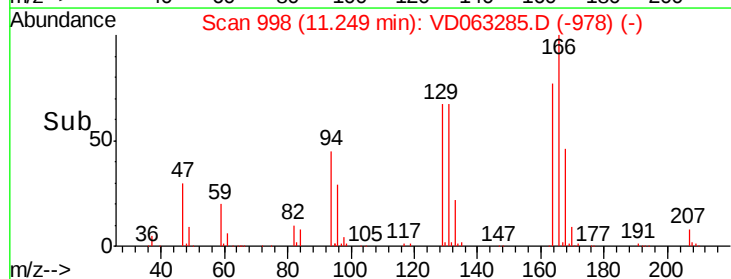
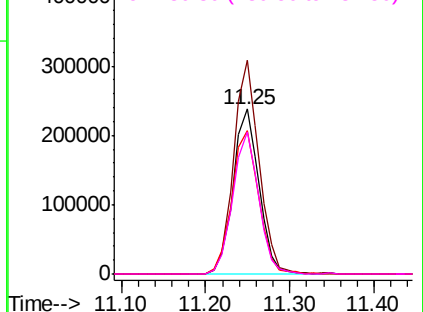


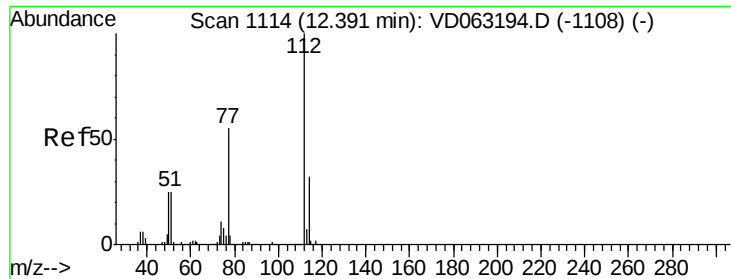
#64
Tetrachloroethene
Concen: 49.223 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Tgt Ion:164 Resp: 509909
Ion Ratio Lower Upper
164 100
166 129.4 104.3 156.5
129 86.6 70.9 106.3
131 86.3 71.6 107.4



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

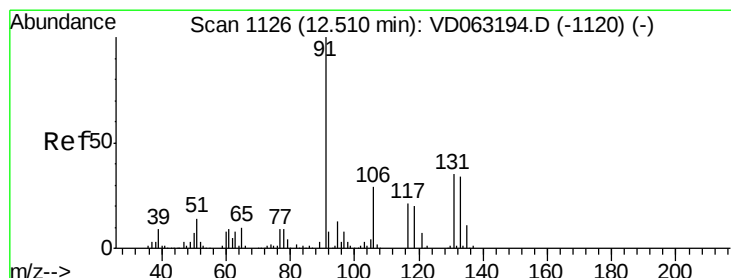
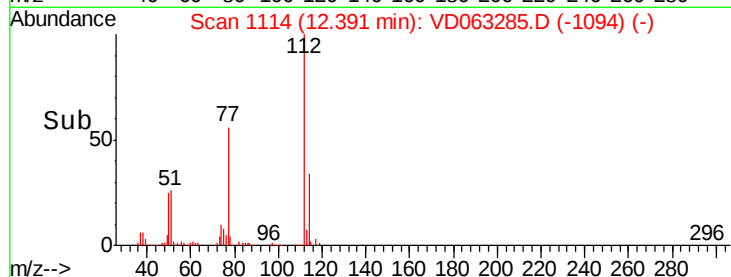
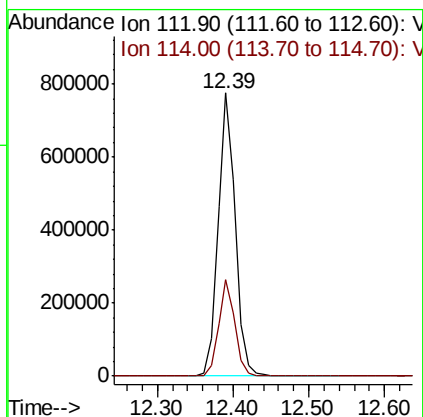
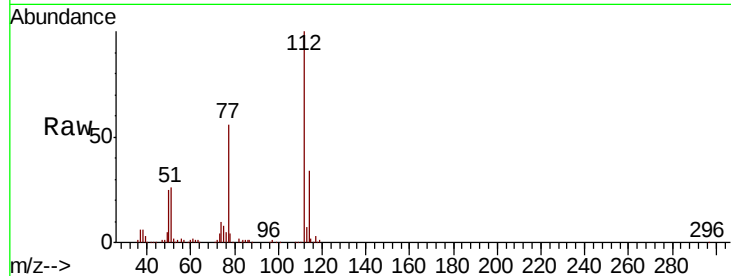




#65
Chlorobenzene
Concen: 49.163 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

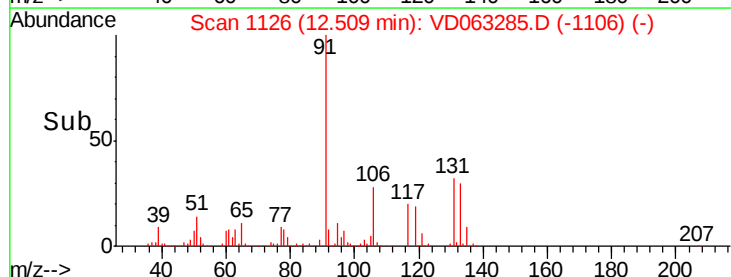
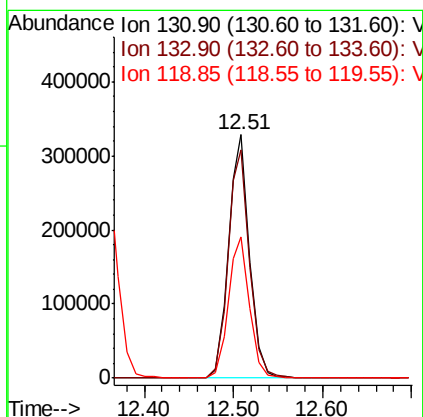
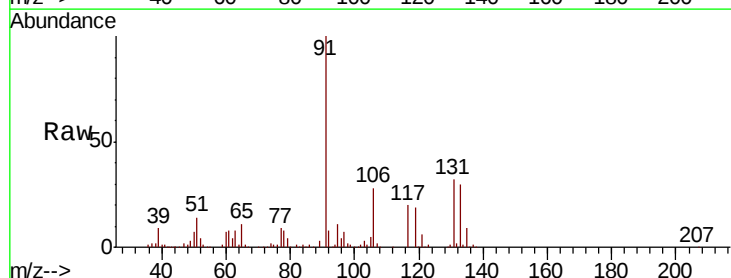
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

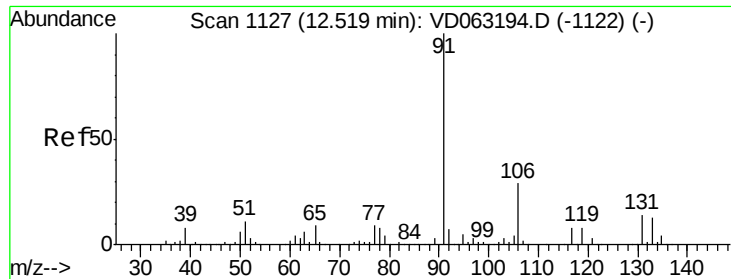
Tot Ion:112 Resp: 1229606
Ion Ratio Lower Upper
112 100
114 33.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.294 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Tgt Ion:131 Resp: 543069
Ion Ratio Lower Upper
131 100
133 93.8 48.4 145.2
119 57.9 29.1 87.3





#67

Ethyl Benzene

Concen: 47.889 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

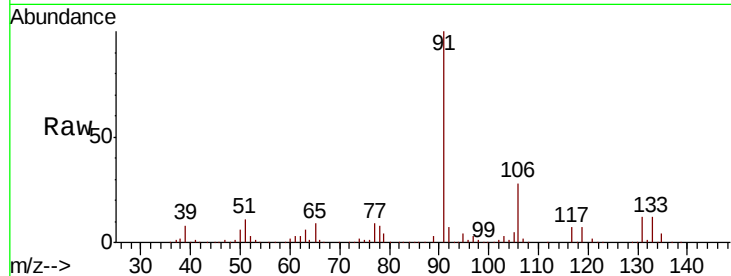
VSTDCCC050

Tot Ion: 91 Resp: 2034715

Ion Ratio Lower Upper

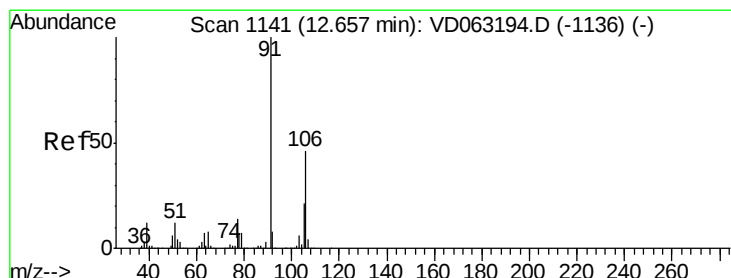
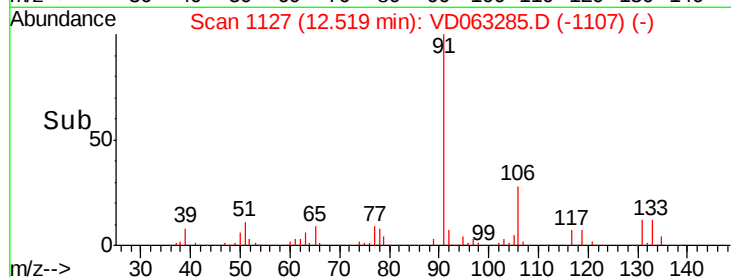
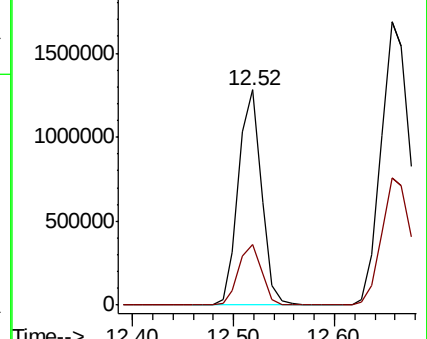
91 100

106 28.3 22.9 34.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 97.244 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VD063285.D

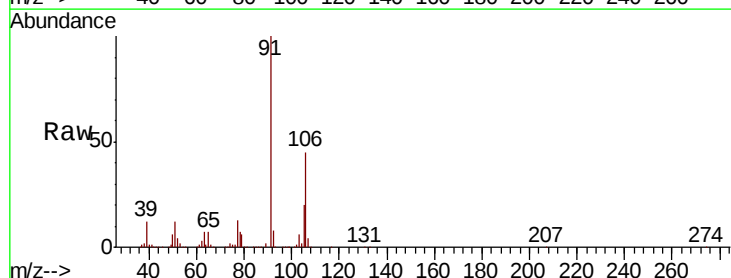
Acq: 1 Aug 2019 10:17

Tgt Ion:106 Resp: 1515226

Ion Ratio Lower Upper

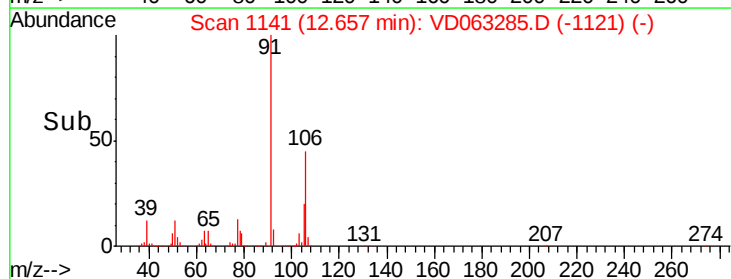
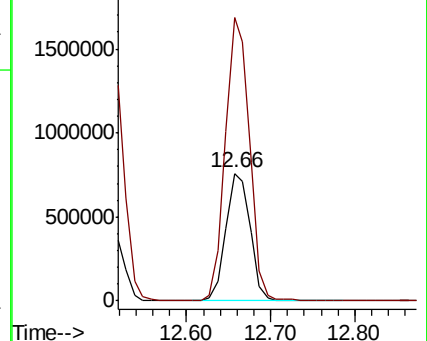
106 100

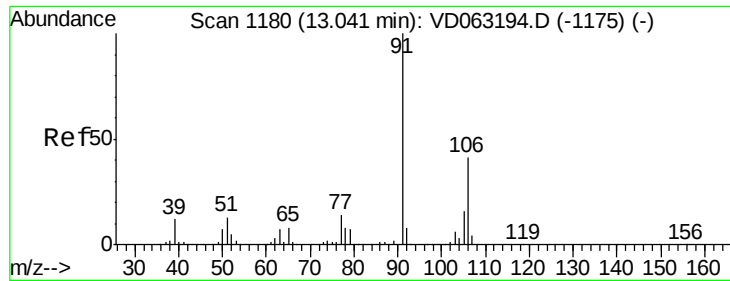
91 221.8 172.6 259.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

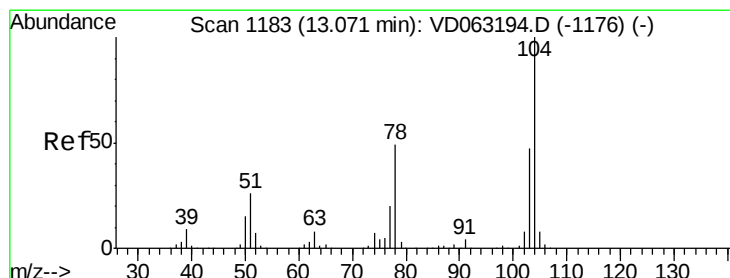
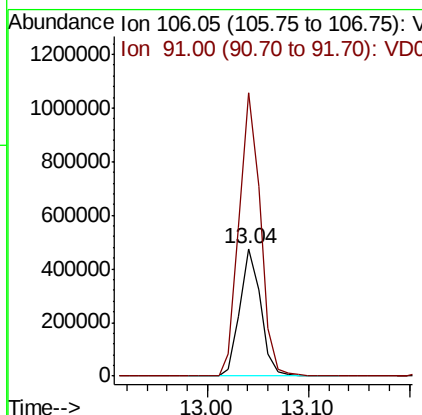
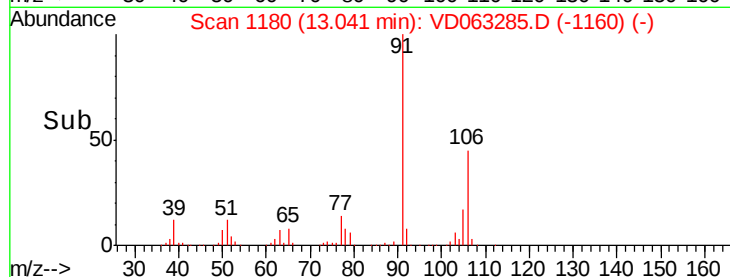
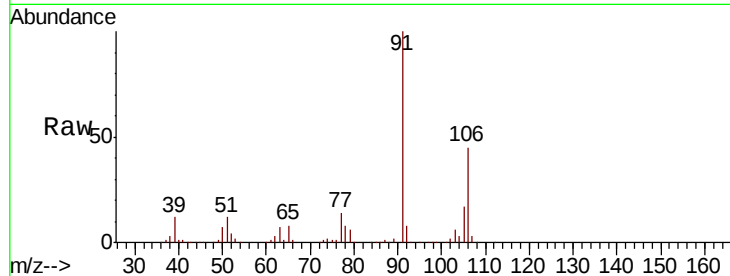




#69
o-Xylene
Concen: 47.783 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

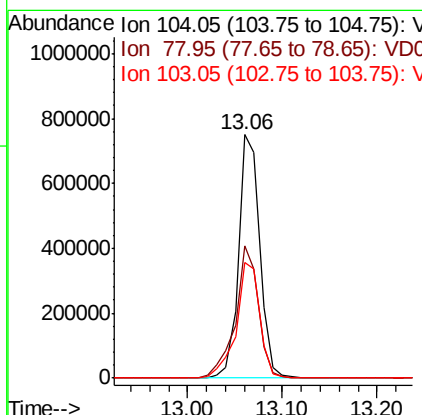
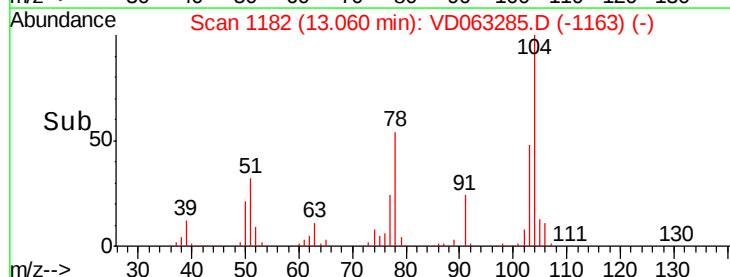
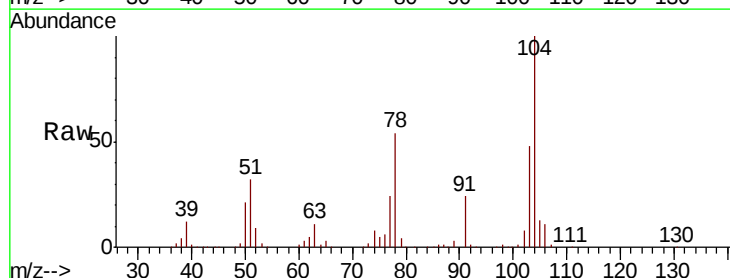
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

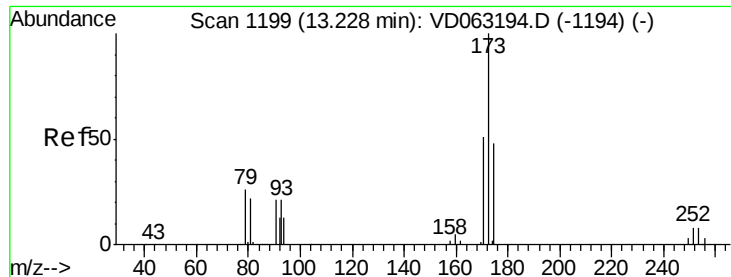
Tot Ion:106 Resp: 683717
Ion Ratio Lower Upper
106 100
91 222.3 121.3 363.9



#70
Styrene
Concen: 45.794 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Tgt Ion:104 Resp: 1162056
Ion Ratio Lower Upper
104 100
78 54.4 39.4 59.0
103 47.7 37.4 56.2





#71

Bromoform

Concen: 50.310 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

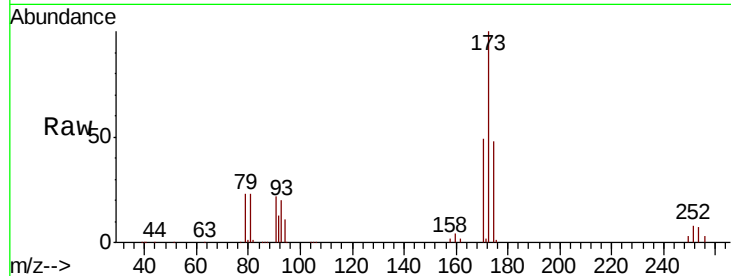
Tot Ion:173 Resp: 403072

Ion Ratio Lower Upper

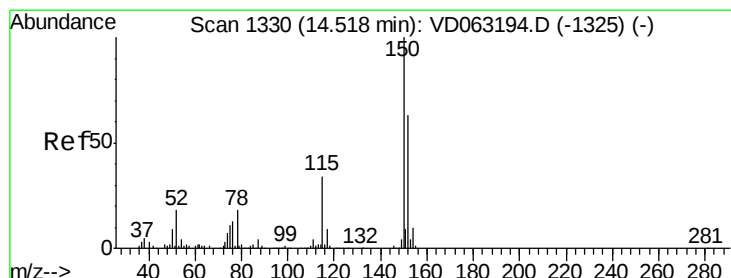
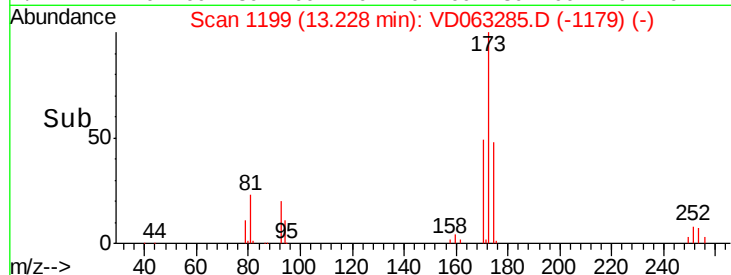
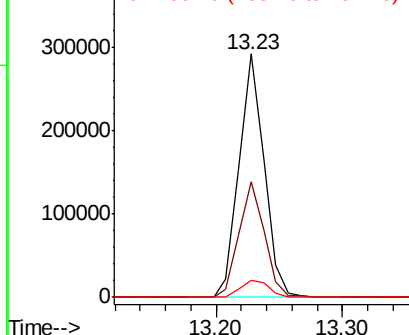
173 100

175 47.7 23.8 71.5

254 7.2 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: VD063285.D

Acq: 1 Aug 2019 10:17

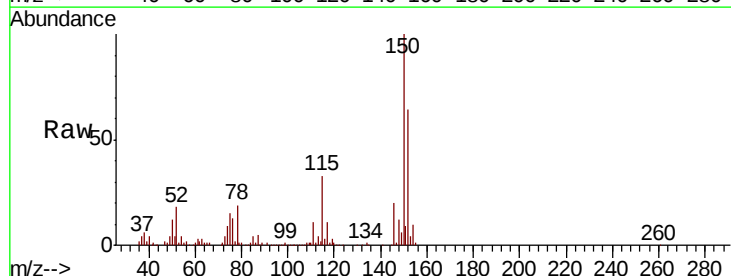
Tgt Ion:152 Resp: 595455

Ion Ratio Lower Upper

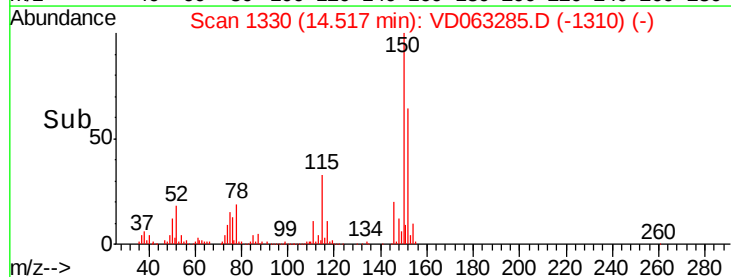
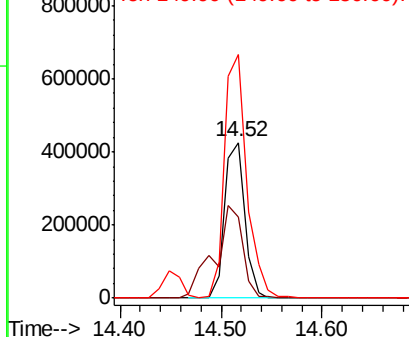
152 100

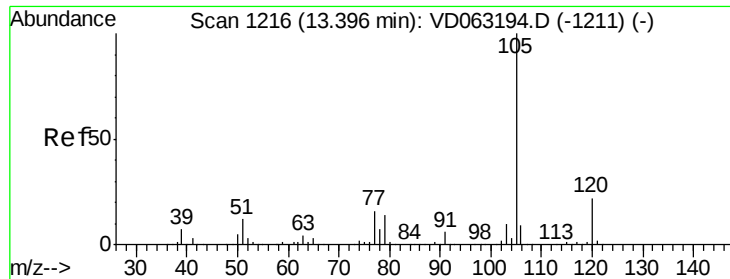
115 51.8 27.5 82.4

150 156.7 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: 55.094 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

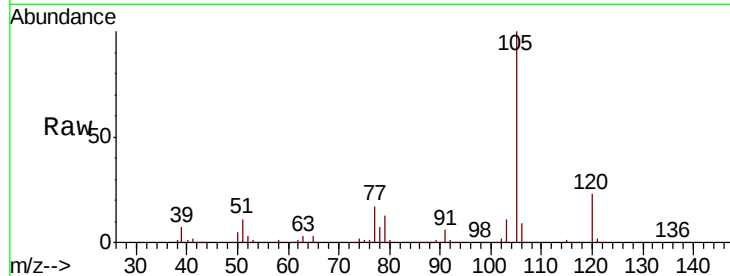
VSTDCCC050

Tot Ion:105 Resp: 2059016

Ion Ratio Lower Upper

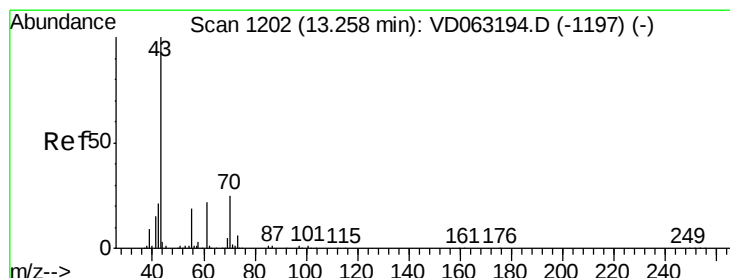
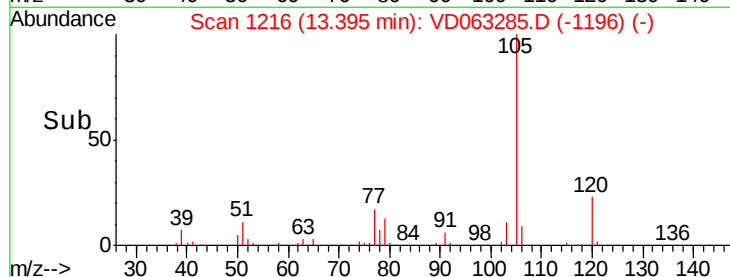
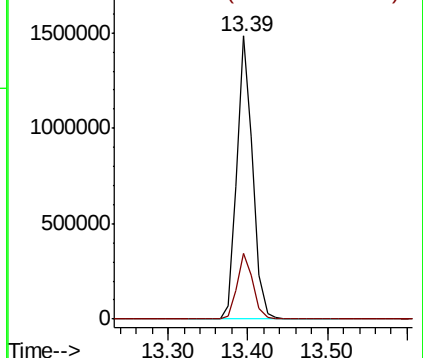
105 100

120 23.1 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 54.301 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Tgt Ion: 43 Resp: 536486

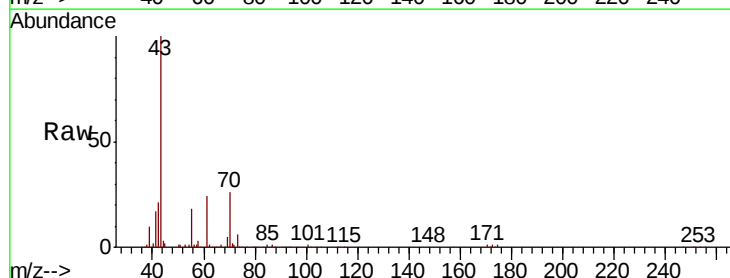
Ion Ratio Lower Upper

43 100

70 26.2 20.2 30.4

55 18.1 14.9 22.3

61 23.6 17.9 26.9

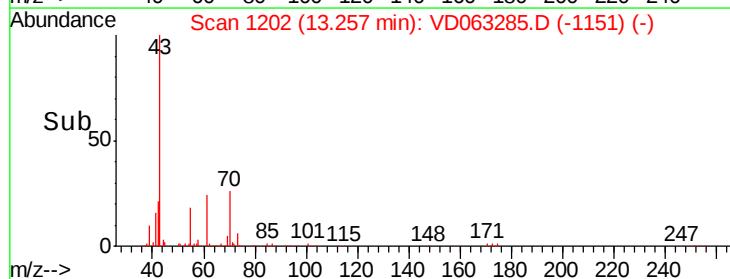
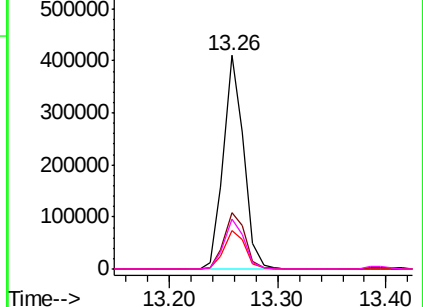


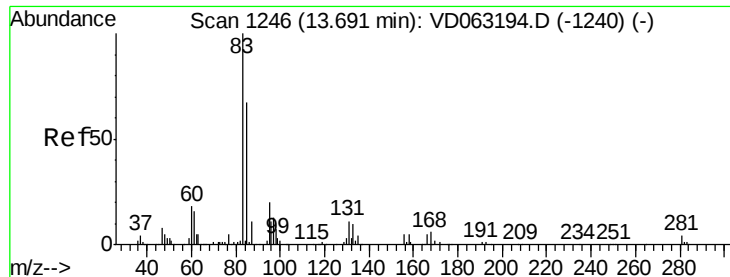
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 54.798 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

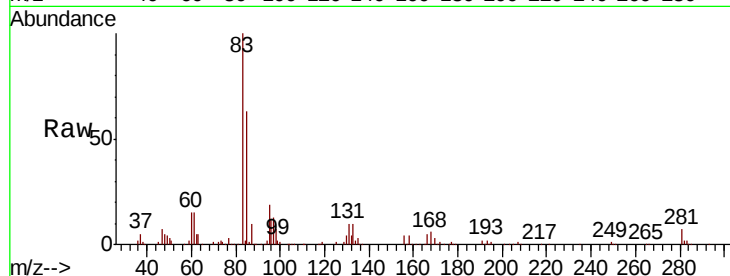
Tot Ion: 83 Resp: 347874

Ion Ratio Lower Upper

83 100

131 9.9 5.5 16.7

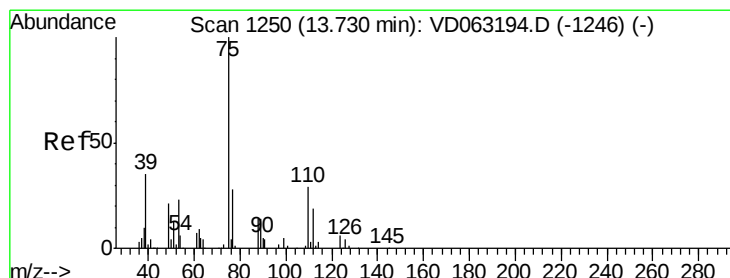
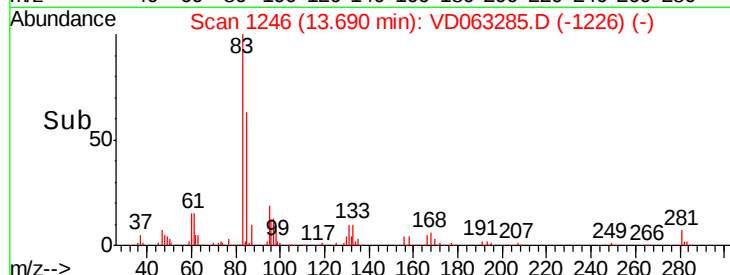
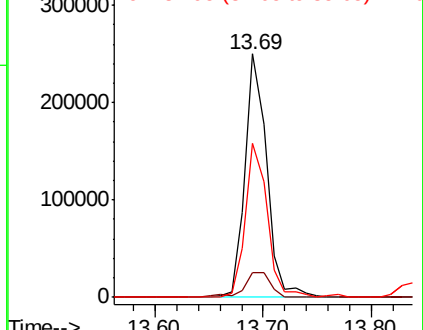
85 63.5 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 54.501 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063285.D

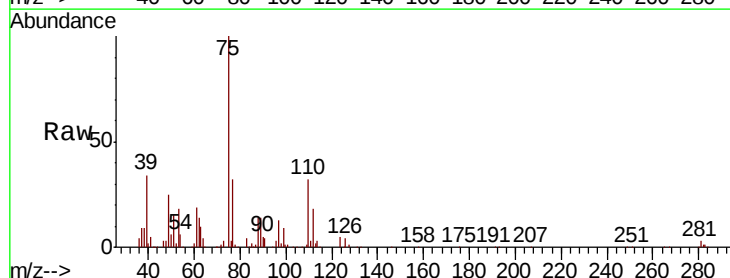
Acq: 1 Aug 2019 10:17

Tgt Ion: 75 Resp: 389803

Ion Ratio Lower Upper

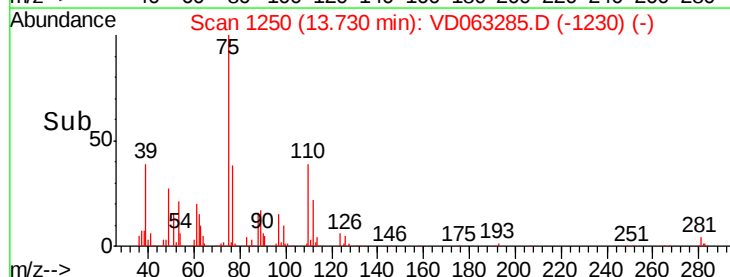
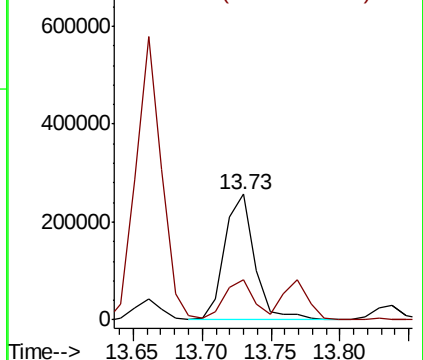
75 100

77 32.0 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 57.266 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

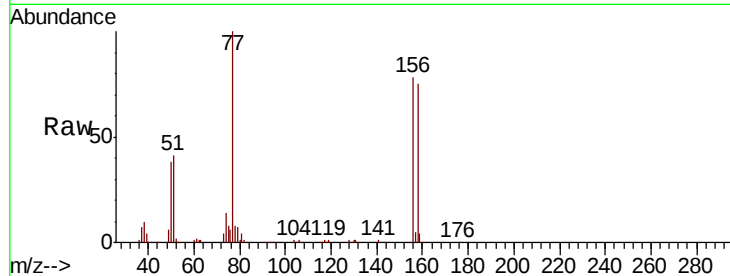
Tot Ion:156 Resp: 609676

Ion Ratio Lower Upper

156 100

77 128.0 67.6 202.8

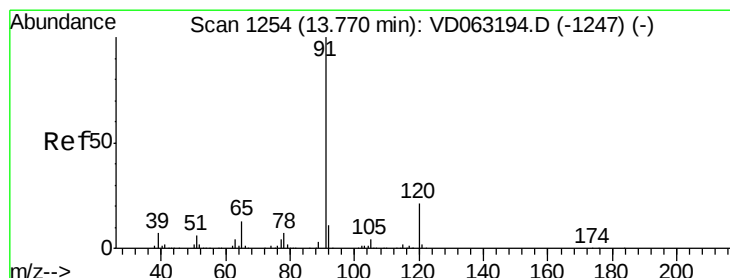
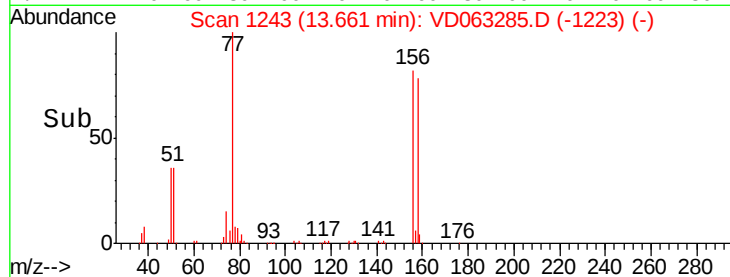
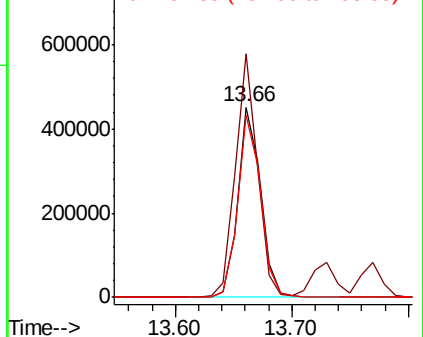
158 95.9 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 56.550 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD063285.D

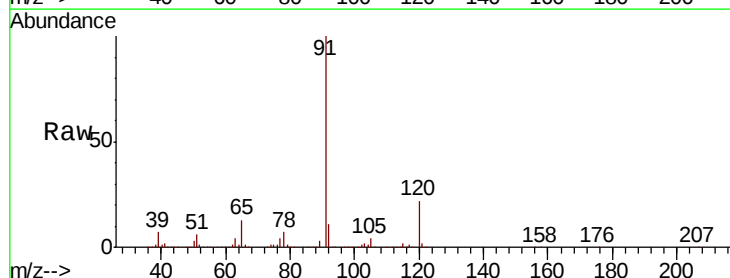
Acq: 1 Aug 2019 10:17

Tgt Ion: 91 Resp: 2515012

Ion Ratio Lower Upper

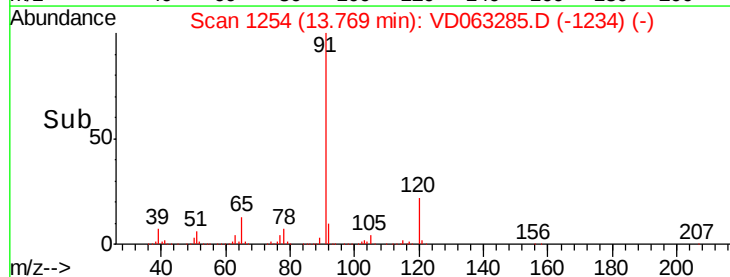
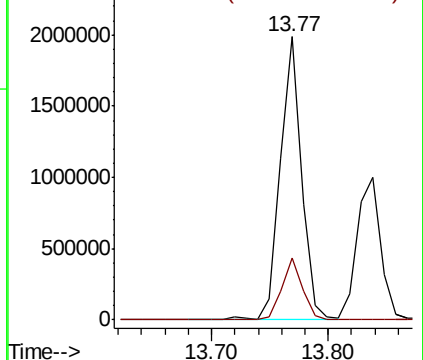
91 100

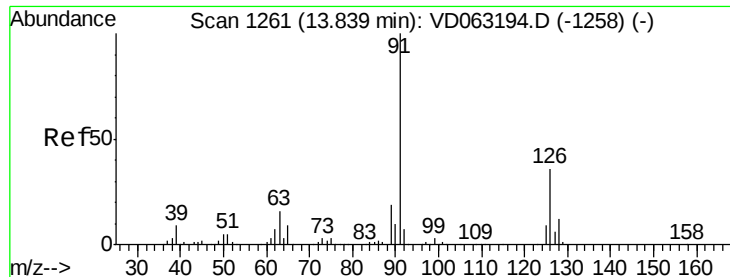
120 21.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

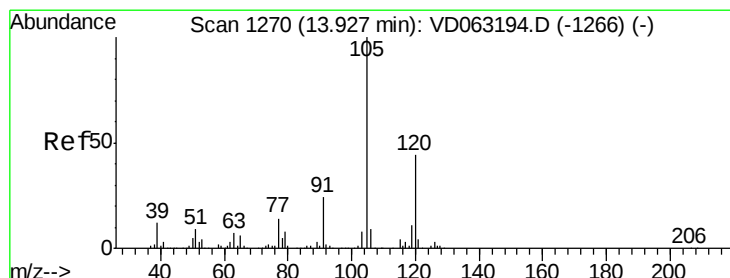
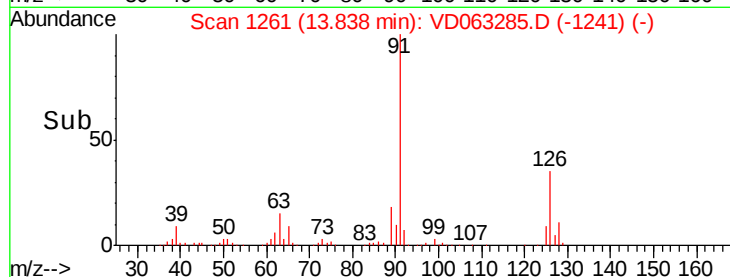
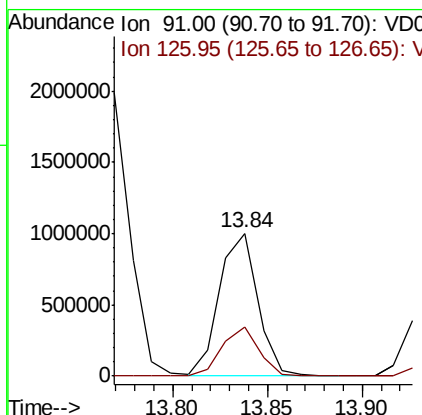
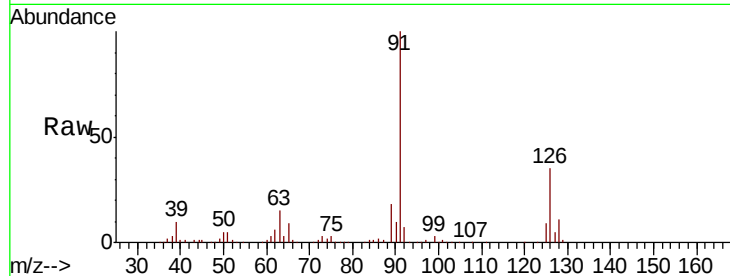




#79
 2-Chlorotoluene
 Concen: 54.808 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

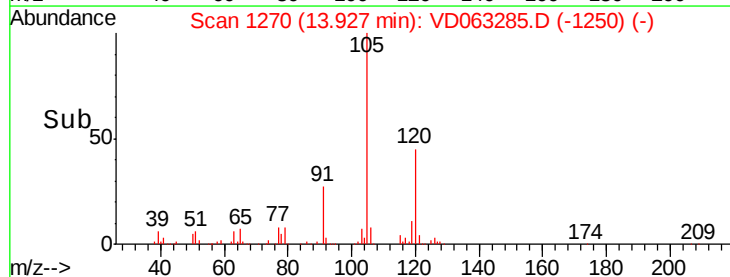
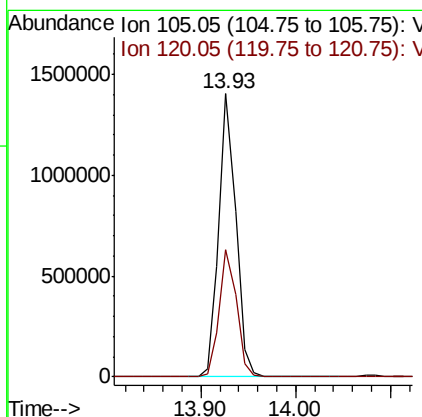
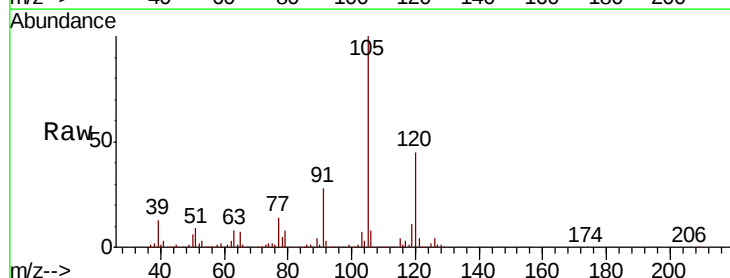
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

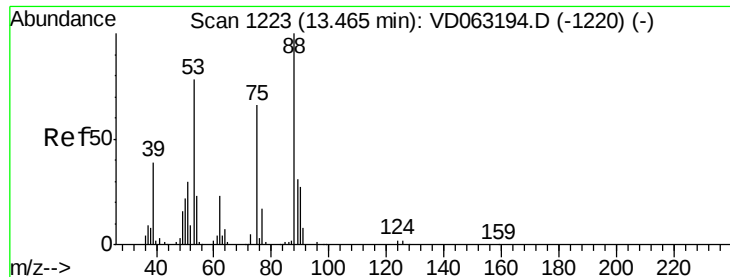
Tot Ion: 91 Resp: 1412398
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 54.705 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

Tgt Ion:105 Resp: 1763336
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 53.939 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

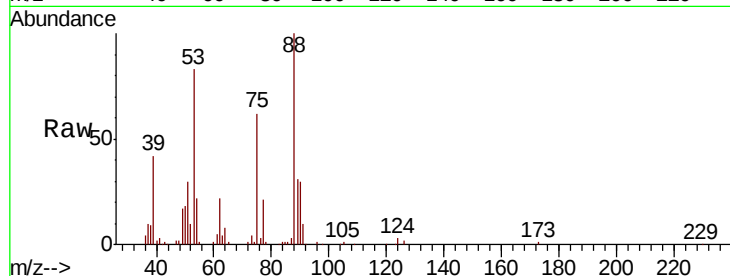
Tot Ion: 75 Resp: 107123

Ion Ratio Lower Upper

75 100

53 134.2 94.9 142.3

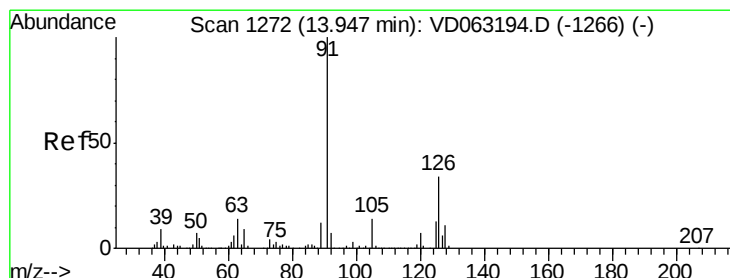
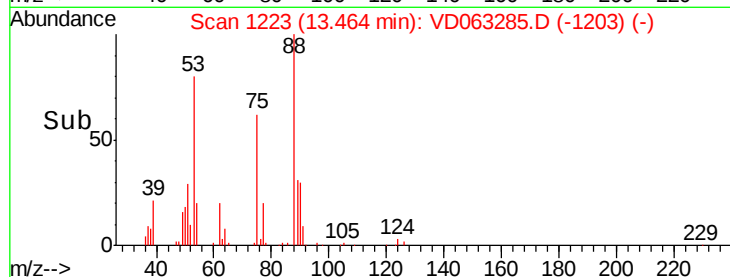
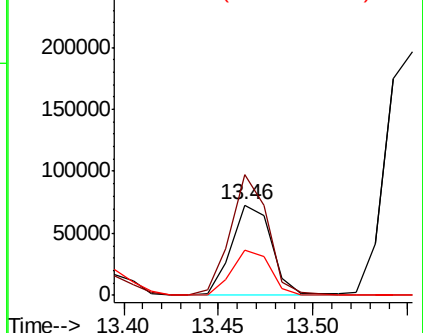
89 49.8 37.4 56.0



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: 57.206 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063285.D

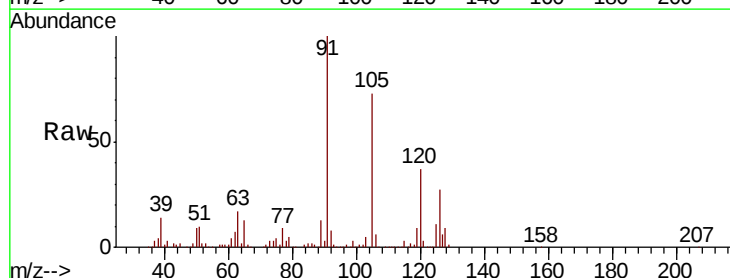
Acq: 1 Aug 2019 10:17

Tgt Ion: 91 Resp: 1734929

Ion Ratio Lower Upper

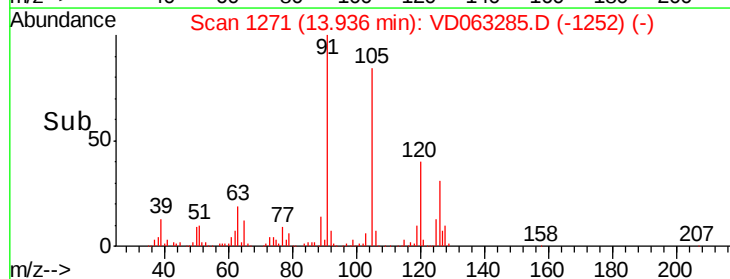
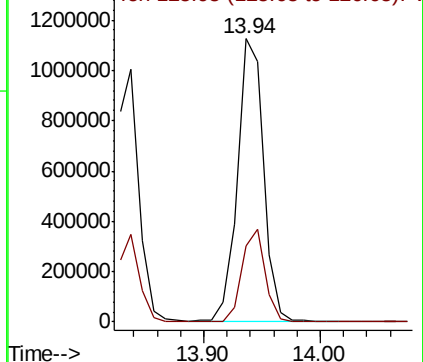
91 100

126 26.9 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: 52.464 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

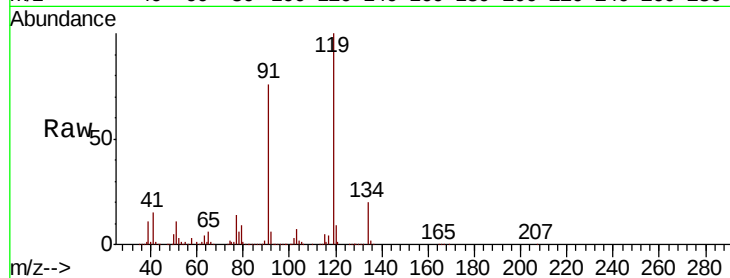
Tot Ion:119 Resp: 1930920

Ion Ratio Lower Upper

119 100

91 75.5 39.1 117.5

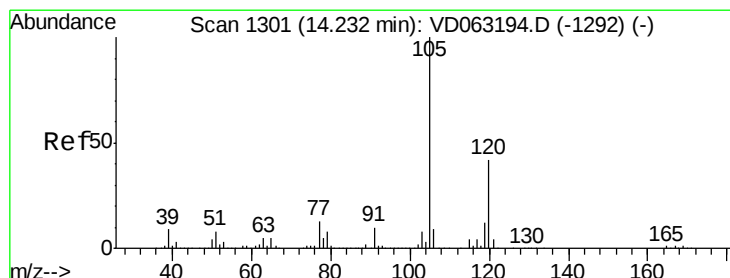
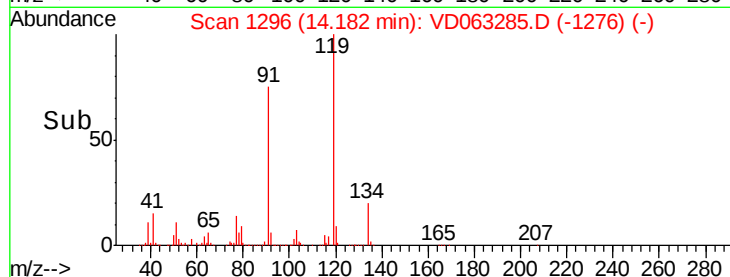
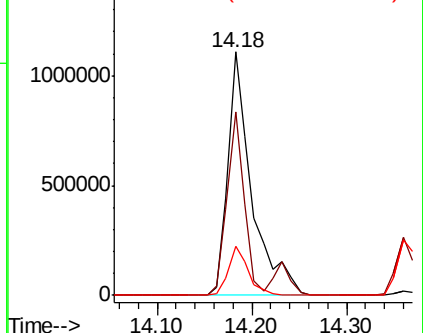
134 20.2 10.9 32.6



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: 52.774 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD063285.D

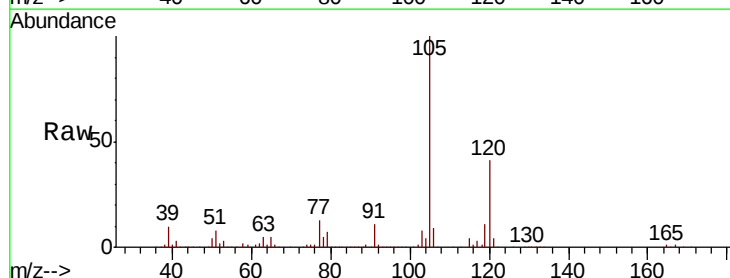
Acq: 1 Aug 2019 10:17

Tgt Ion:105 Resp: 1759514

Ion Ratio Lower Upper

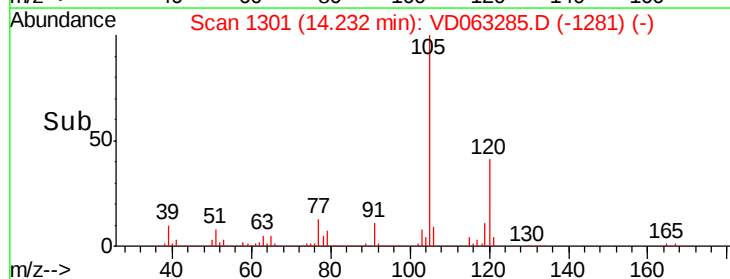
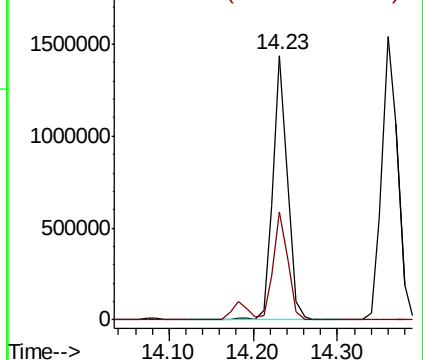
105 100

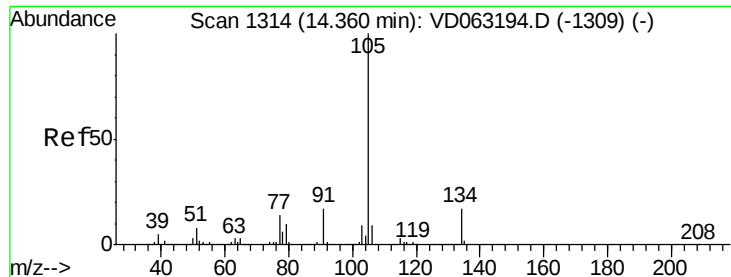
120 40.7 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 52.184 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

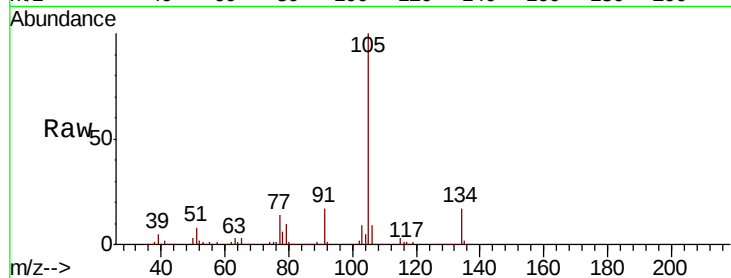
VSTDCCC050

Tot Ion:105 Resp: 2023539

Ion Ratio Lower Upper

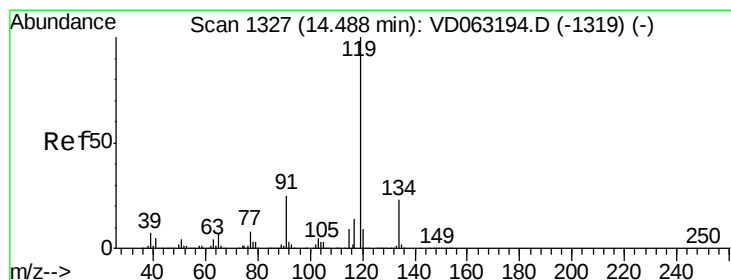
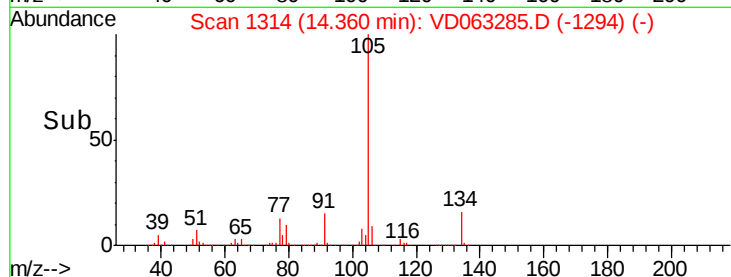
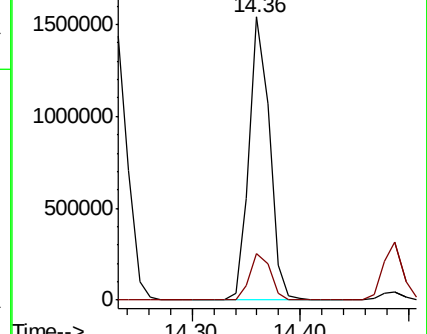
105 100

134 16.5 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: 49.007 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063285.D

Acq: 1 Aug 2019 10:17

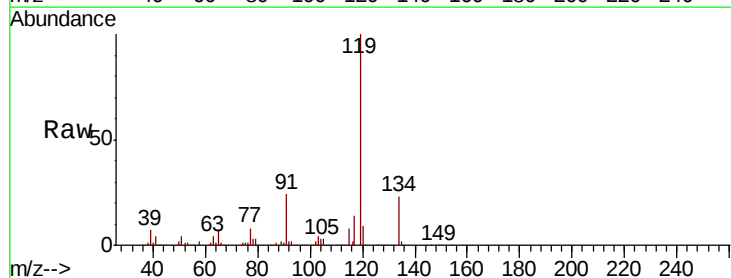
Tgt Ion:119 Resp: 1813770

Ion Ratio Lower Upper

119 100

134 22.8 11.5 34.5

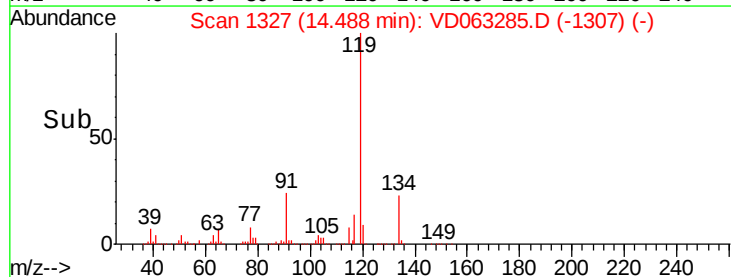
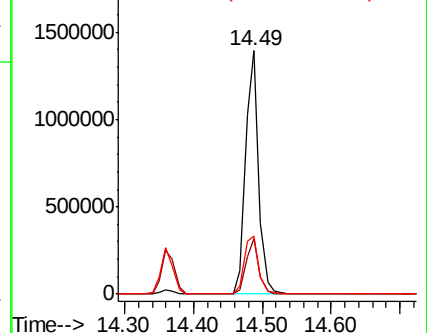
91 23.9 12.6 37.6

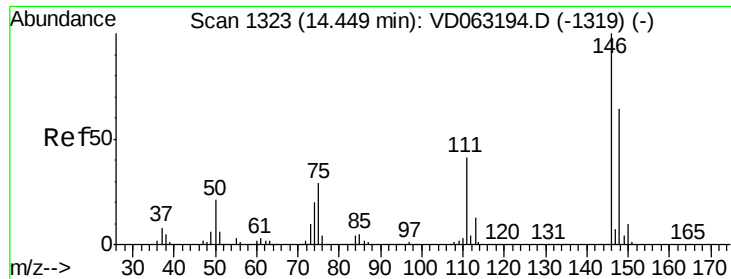


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

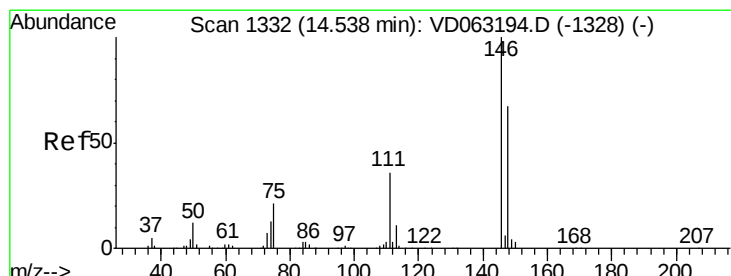
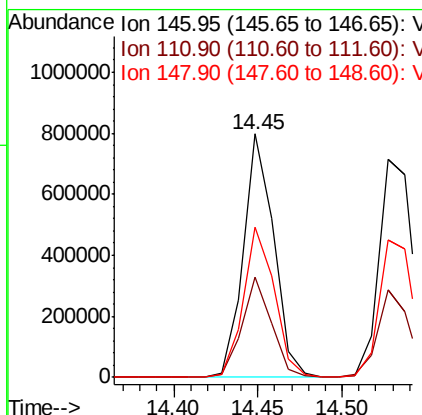
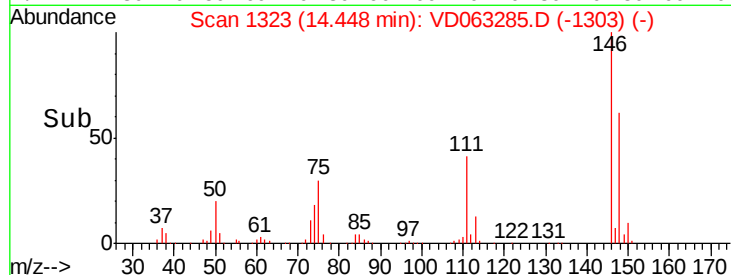
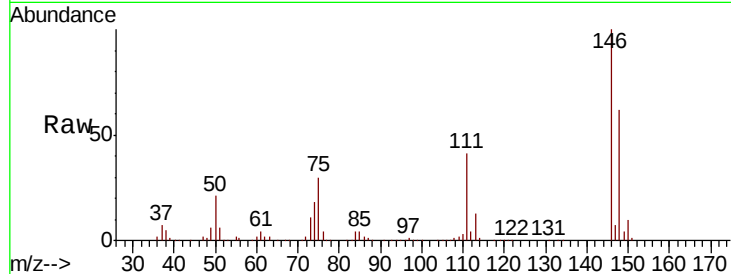




#87
 1,3-Dichlorobenzene
 Concen: 53.073 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

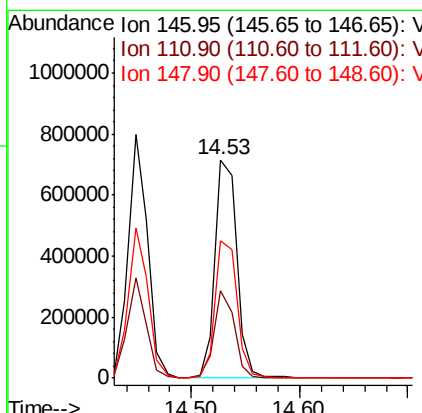
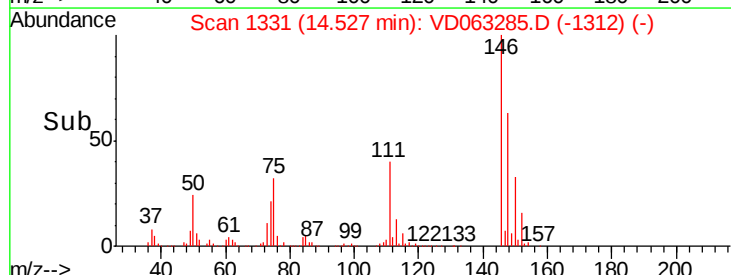
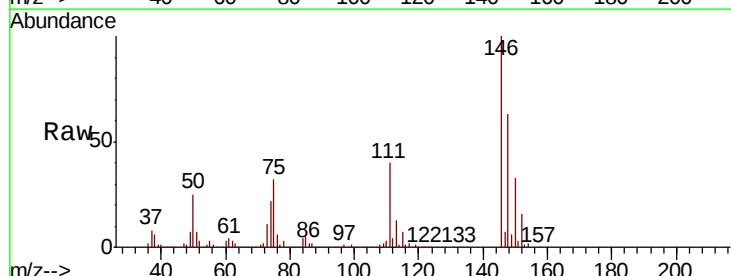
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

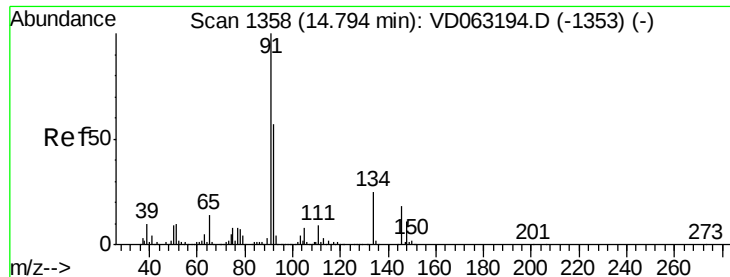
Tot Ion:146 Resp: 1000625
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.4 61.3
 148 61.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 52.783 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

Tgt Ion:146 Resp: 1006326
 Ion Ratio Lower Upper
 146 100
 111 40.2 18.1 54.3
 148 62.8 33.4 100.1

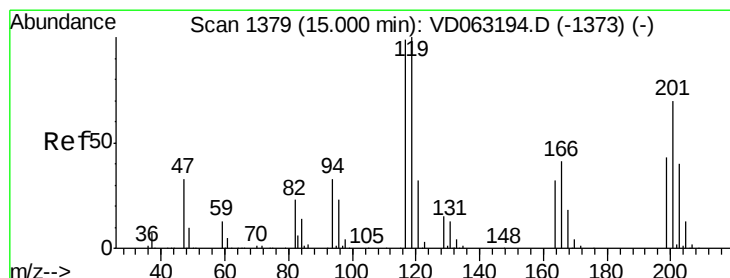
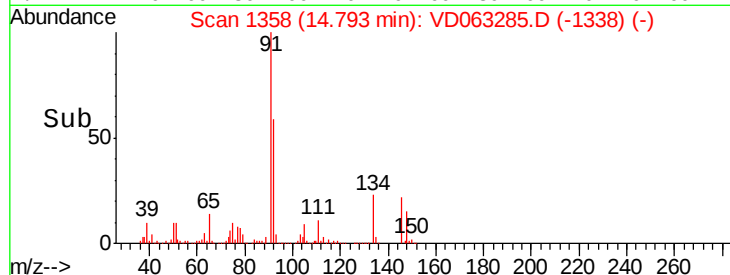
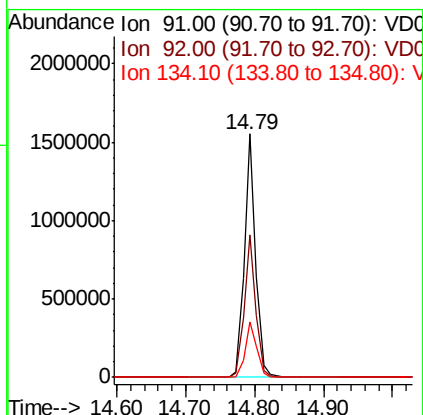
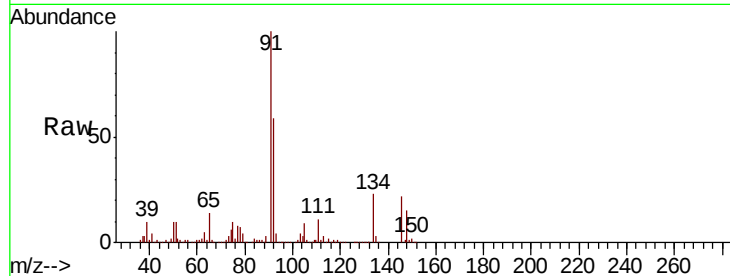




#89
n-Butylbenzene
Concen: 55.377 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

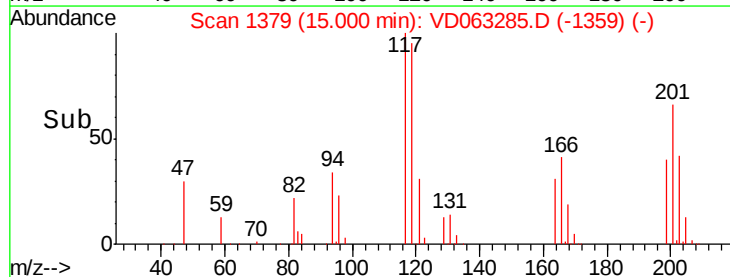
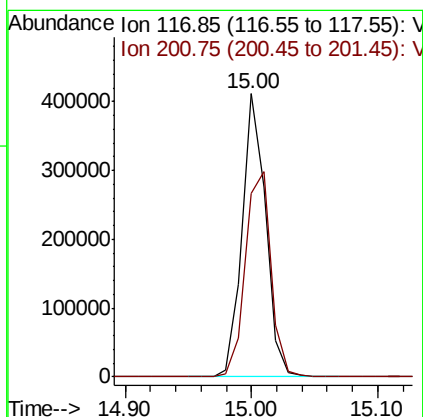
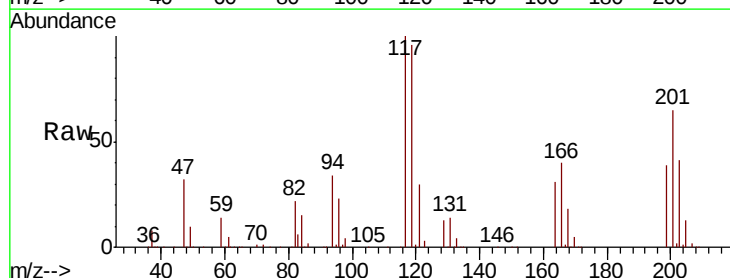
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

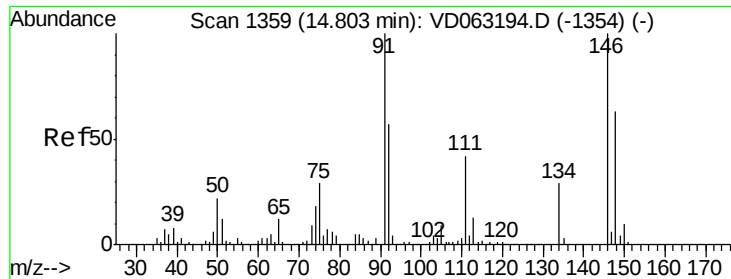
Tot Ion: 91 Resp: 1770168
Ion Ratio Lower Upper
91 100
92 58.7 28.3 85.0
134 23.0 12.3 36.8



#90
Hexachloroethane
Concen: 54.944 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Tgt Ion: 117 Resp: 529804
Ion Ratio Lower Upper
117 100
201 64.8 35.2 105.6

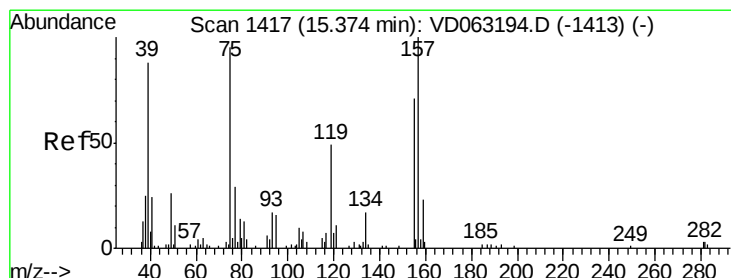
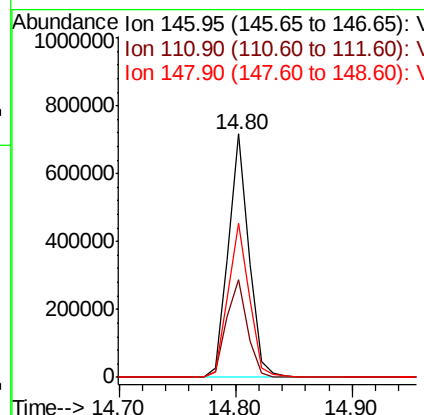
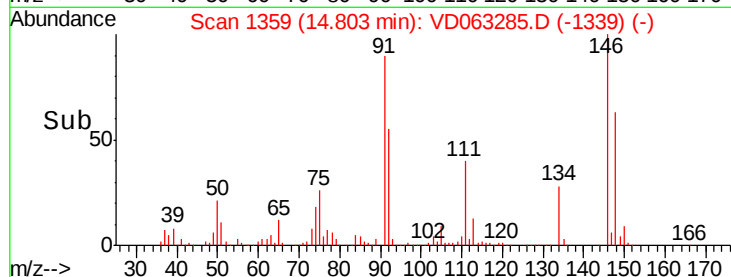
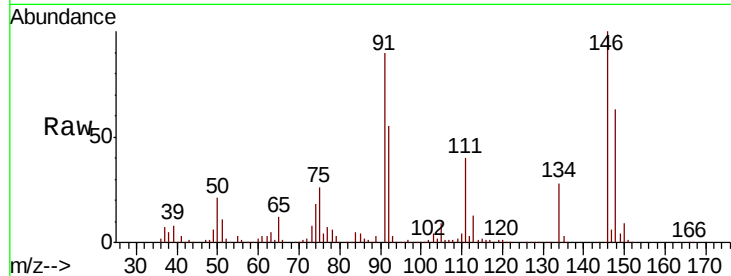




#91
 1,2-Dichlorobenzene
 Concen: 53.693 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

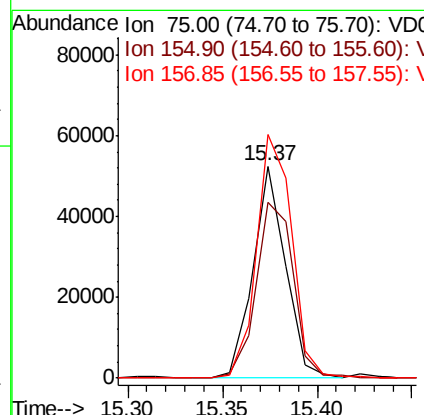
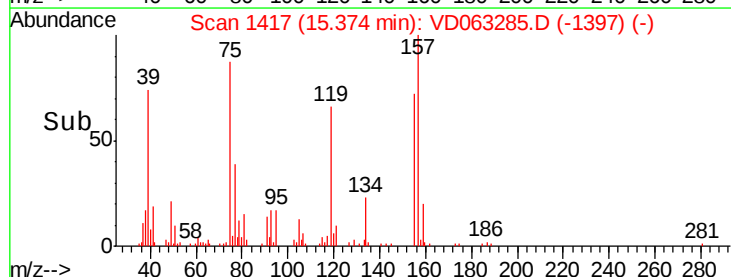
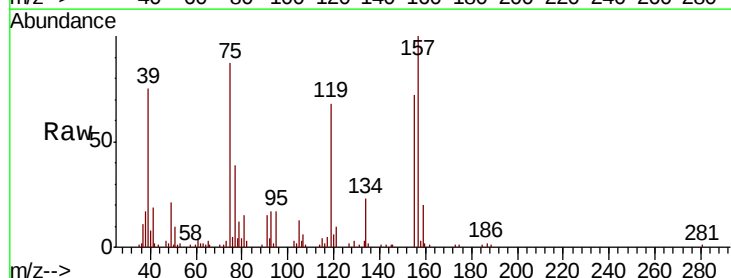
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

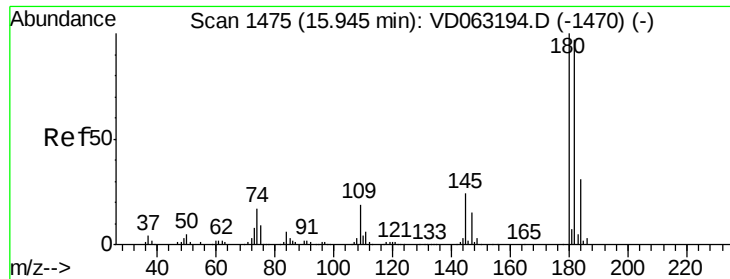
Tot Ion:146 Resp: 882011
 Ion Ratio Lower Upper
 146 100
 111 40.2 21.1 63.3
 148 63.2 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.213 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

Tgt Ion: 75 Resp: 62345
 Ion Ratio Lower Upper
 75 100
 155 83.1 37.0 111.0
 157 114.8 52.4 157.2

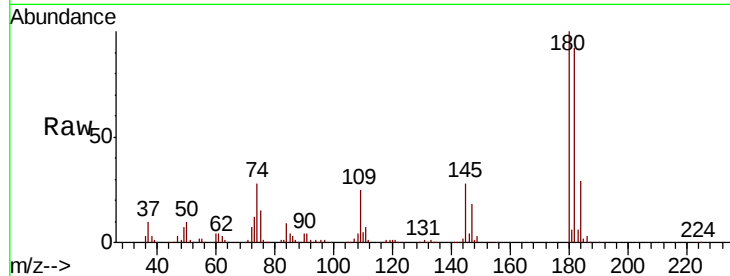




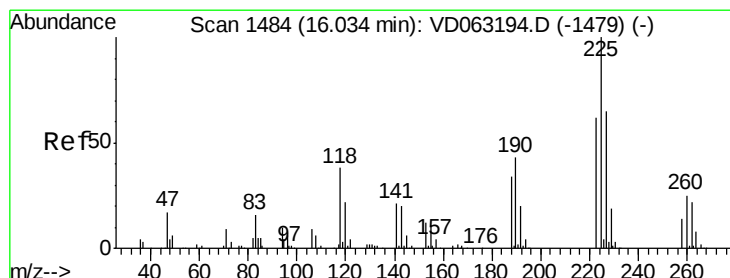
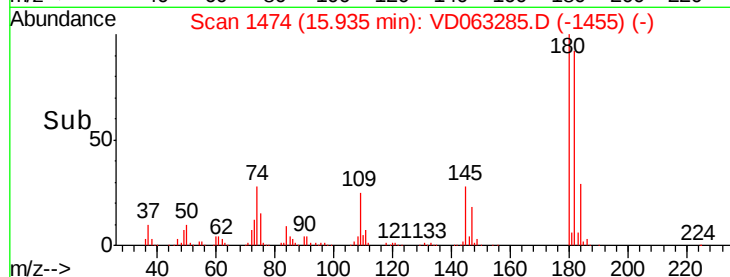
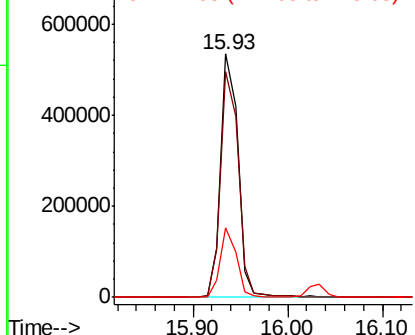
#93
 1,2,4-Trichlorobenzene
 Concen: 52.316 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 681761
 Ion Ratio Lower Upper
 180 100
 182 92.5 48.6 145.8
 145 28.4 12.2 36.6

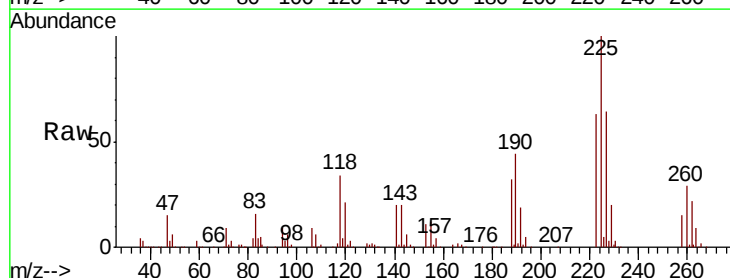


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

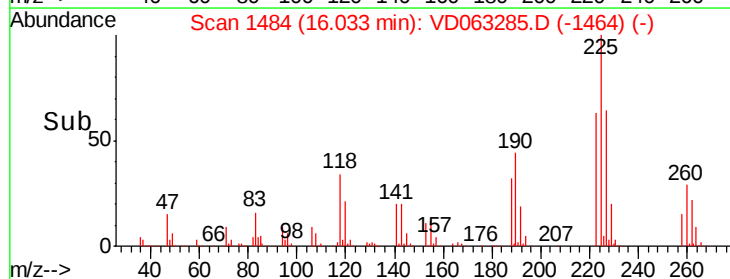
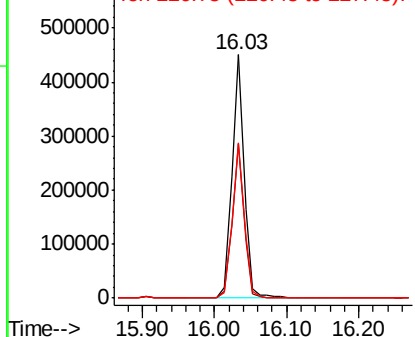


#94
 Hexachlorobutadiene
 Concen: 56.274 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063285.D
 Acq: 1 Aug 2019 10:17

Tgt Ion:225 Resp: 531435
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.9 92.5
 227 63.8 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

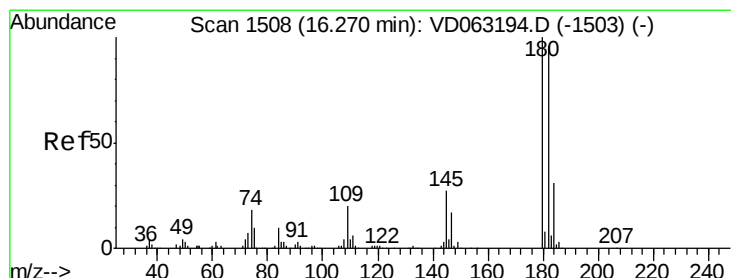
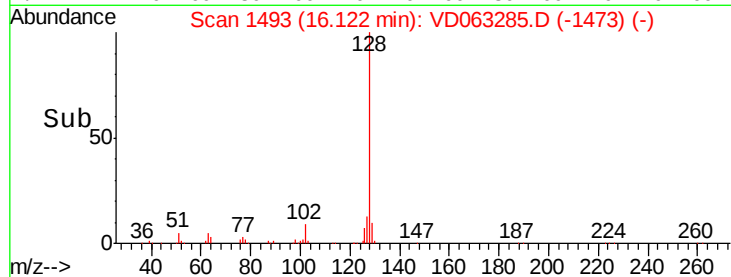
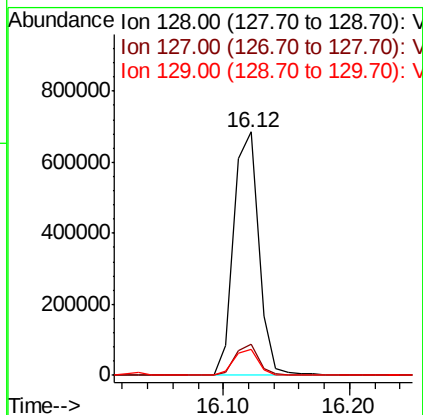
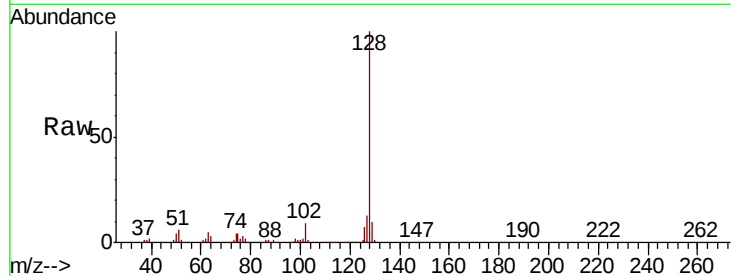




#95
Naphthalene
Concen: 50.983 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 939051
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.5 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 51.357 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063285.D
Acq: 1 Aug 2019 10:17

Tgt Ion:180 Resp: 528712
Ion Ratio Lower Upper
180 100
182 97.8 48.3 144.9
145 25.0 13.6 40.7

