

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063595.D
 Acq On : 15 Aug 2019 1:17
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 12:05:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1007625	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1410104	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1159764	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	667064	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	605218	56.19	ug/l	-0.01
Spiked Amount			Recovery	=	112.38%	
35) Dibromofluoromethane	6.92	113	629889	53.04	ug/l	-0.01
Spiked Amount			Recovery	=	106.08%	
50) Toluene-d8	10.41	98	1393788	53.38	ug/l	-0.01
Spiked Amount			Recovery	=	106.76%	
62) 4-Bromofluorobenzene	13.56	95	608265	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	540460	44.335	ug/l	95
3) Chloromethane	1.74	50	434726	45.643	ug/l	95
4) Vinyl Chloride	1.84	62	435610	46.071	ug/l	98
5) Bromomethane	2.15	94	239358	53.650	ug/l	99
6) Chloroethane	2.27	64	246905	57.104	ug/l	92
7) Trichlorofluoromethane	2.53	101	942120	50.798	ug/l	98
8) Diethyl Ether	2.87	74	139726	53.360	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.14	101	552905	50.488	ug/l	99
10) Methyl Iodide	3.30	142	818689	52.836	ug/l	95
11) Tert butyl alcohol	4.08	59	133229	284.148	ug/l	96
12) 1,1-Dichloroethene	3.12	96	392728	48.235	ug/l	88
13) Acrolein	3.02	56	117688	255.002	ug/l	85
14) Allyl chloride	3.62	41	641945	52.447	ug/l	97
15) Acrylonitrile	4.20	53	365391	294.212	ug/l	94
16) Acetone	3.22	43	505942	231.079	ug/l	95
17) Carbon Disulfide	3.37	76	1252237	48.732	ug/l	98
18) Methyl Acetate	3.64	43	230578	55.599	ug/l	93
19) Methyl tert-butyl Ether	4.24	73	975414	59.903	ug/l	100
20) Methylene Chloride	3.81	84	452109	47.753	ug/l	92
21) trans-1,2-Dichloroethene	4.22	96	467519	54.566	ug/l	95
22) Diisopropyl ether	5.12	45	1361328	53.899	ug/l	98
23) Vinyl Acetate	5.05	43	4035804	274.855	ug/l	100
24) 1,1-Dichloroethane	4.97	63	833357	53.198	ug/l	99
25) 2-Butanone	6.07	43	578077	267.331	ug/l	98
26) 2,2-Dichloropropane	6.02	77	777739	49.845	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	484821	51.719	ug/l	92
28) Bromochloromethane	6.43	49	338586	53.329	ug/l	95
29) Tetrahydrofuran	6.46	42	277277	275.178	ug/l	96
30) Chloroform	6.67	83	1015415	52.148	ug/l	95
31) Cyclohexane	6.95	56	474703	48.812	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	960519	51.568	ug/l	97
36) 1,1-Dichloropropene	7.14	75	607291	48.717	ug/l	96
37) Ethyl Acetate	6.18	43	271909	52.055	ug/l	99
38) Carbon Tetrachloride	7.11	117	1001247	53.294	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	488790	46.112	ug/l	98
40) Benzene	7.45	78	1449846	52.851	ug/l	100
41) Methacrylonitrile	6.45	41	366813	55.773	ug/l	98
42) 1,2-Dichloroethane	7.57	62	765193	55.474	ug/l	98
43) Isopropyl Acetate	9.24	43	398362	56.942	ug/l #	94
44) Trichloroethene	8.54	130	535402	51.062	ug/l	97
45) 1,2-Dichloropropane	8.94	63	348607	54.569	ug/l	99
46) Dibromomethane	9.06	93	321091	58.856	ug/l	100
47) Bromodichloromethane	9.37	83	771949	55.163	ug/l	95
48) Methyl methacrylate	9.12	41	266782	56.230	ug/l	95
49) 1,4-Dioxane	9.08	88	45547	1073.190	ug/l #	79
51) 4-Methyl-2-Pentanone	10.30	43	1452284	303.374	ug/l	98
52) Toluene	10.51	92	922476	52.208	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	631064	55.257	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	690739	53.639	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	320744	53.739	ug/l	97
56) Ethyl methacrylate	11.04	69	368287	56.850	ug/l	96
57) 1,3-Dichloropropane	11.40	76	492732	54.615	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	946778	276.830	ug/l	98
59) 2-Hexanone	11.53	43	971447	278.892	ug/l	95
60) Dibromochloromethane	11.69	129	620555	57.138	ug/l	96
61) 1,2-Dibromoethane	11.81	107	395002	54.668	ug/l	98
64) Tetrachloroethene	11.25	164	449730	50.232	ug/l	95
65) Chlorobenzene	12.40	112	1211017	55.713	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	518915	54.244	ug/l	94
67) Ethyl Benzene	12.52	91	1868615	49.441	ug/l	100
68) m/p-Xylenes	12.67	106	1460887	110.019	ug/l	99
69) o-Xylene	13.05	106	702679	54.982	ug/l	100
70) Styrene	13.08	104	1208678	53.168	ug/l	98
71) Bromoform	13.23	173	392843	59.889	ug/l	98
73) Isopropylbenzene	13.40	105	2077936	48.974	ug/l	100
74) N-amyl acetate	13.26	43	548601	51.507	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	365848	51.949	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	394725	51.560	ug/l	98
77) Bromobenzene	13.67	156	573756	49.479	ug/l	95
78) n-propylbenzene	13.77	91	2219807	44.715	ug/l	96
79) 2-Chlorotoluene	13.84	91	1380979	48.247	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	1792032	48.339	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	107045	52.023	ug/l	92
82) 4-Chlorotoluene	13.94	91	1715461	49.840	ug/l	98
83) tert-Butylbenzene	14.19	119	2020123	51.748	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1750049	51.020	ug/l	96
85) sec-Butylbenzene	14.37	105	1884860	45.465	ug/l	99
86) p-Isopropyltoluene	14.49	119	1903854	48.029	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	949813	45.283	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	966703	48.038	ug/l	98
89) n-Butylbenzene	14.80	91	1605048	44.365	ug/l	97
90) Hexachloroethane	15.01	117	504151	50.601	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	864958	48.605	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	73429	55.375	ug/l	92

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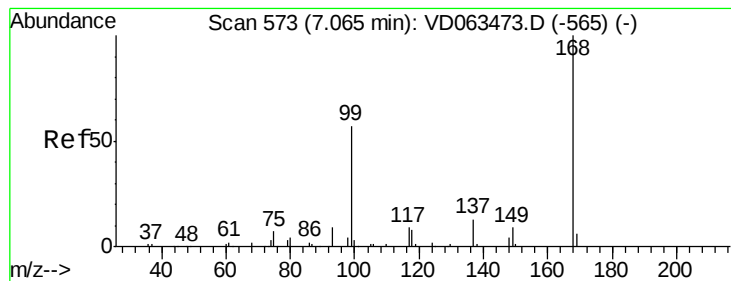
Instrument :
MSVOA_D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	660339	50.429	ug/l	94
94) Hexachlorobutadiene	16.04	225	474650	47.561	ug/l	98
95) Naphthalene	16.12	128	1014770	51.135	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	530029	50.115	ug/l	95

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :

MSVOA_D

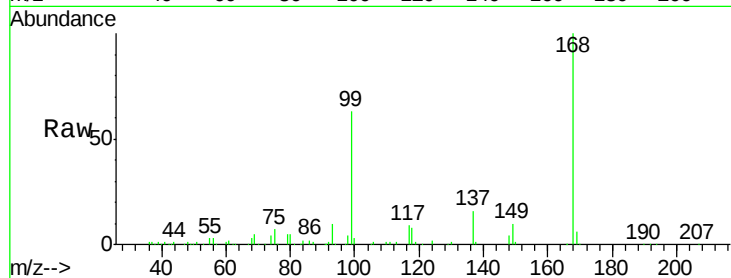
ClientSampleId :

Tot Ion:168 Resp: 1007625

Ion Ratio Lower Upper

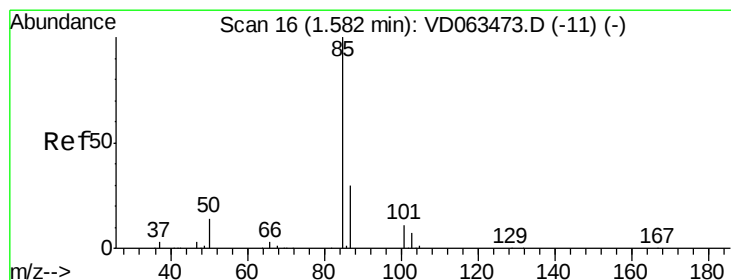
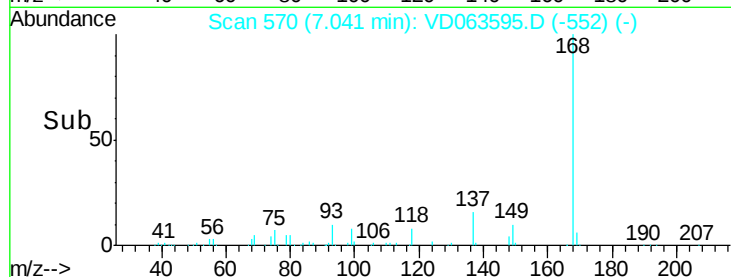
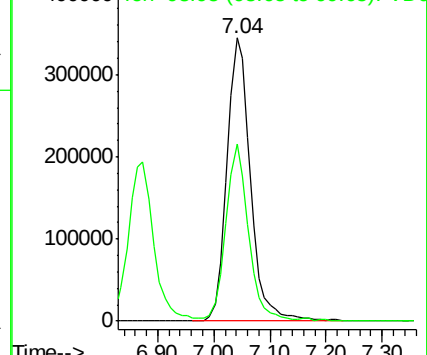
168 100

99 62.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 44.335 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063595.D

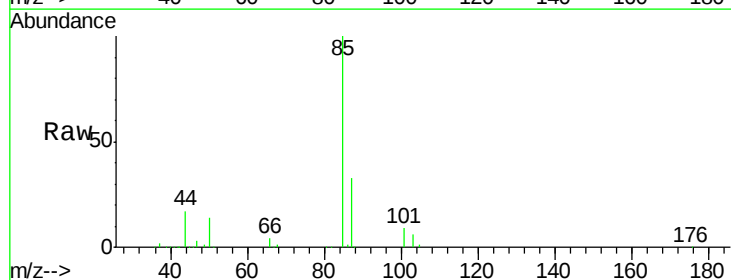
Acq: 15 Aug 2019 1:17

Tgt Ion: 85 Resp: 540460

Ion Ratio Lower Upper

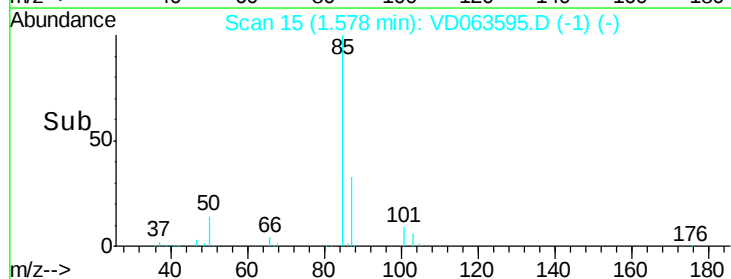
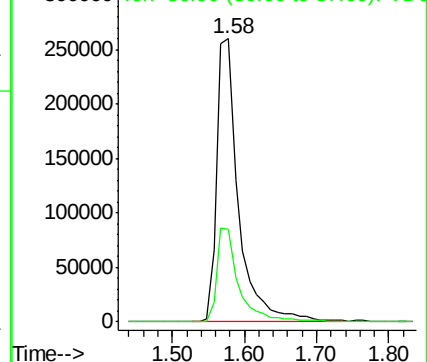
85 100

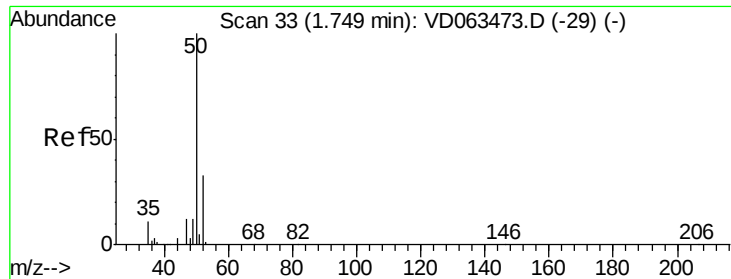
87 32.6 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.643 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :

MSVOA_D

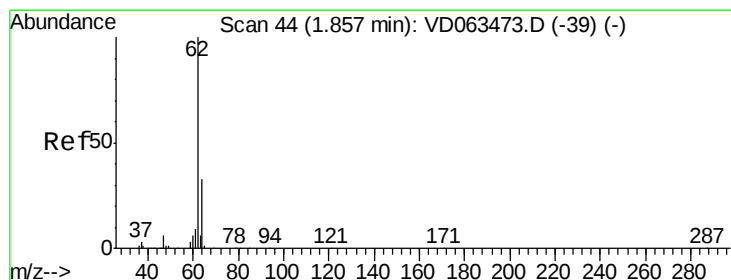
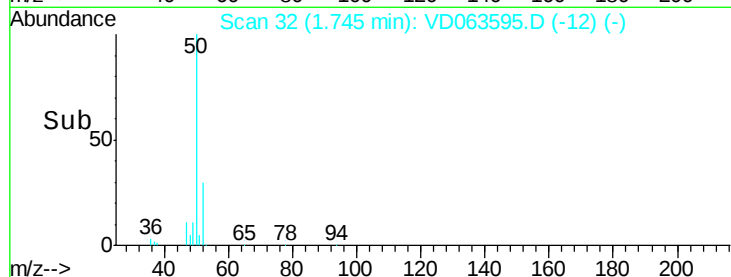
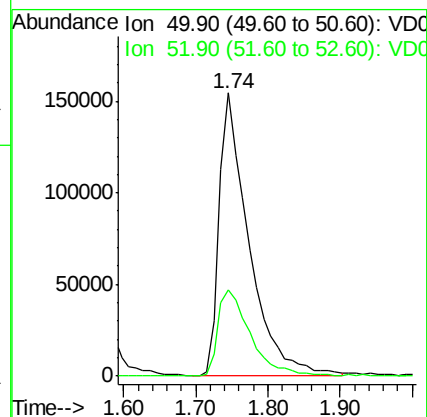
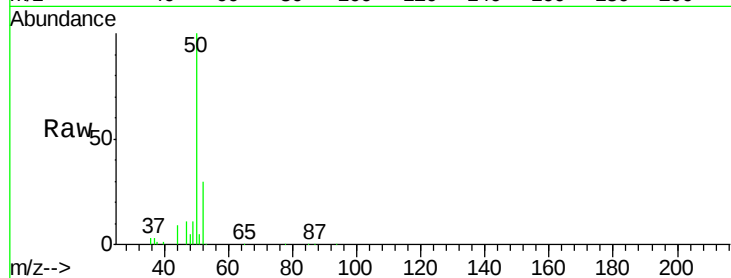
ClientSampleId :

Tot Ion: 50 Resp: 434726

Ion Ratio Lower Upper

50 100

52 30.4 26.6 40.0



#4

Vinyl Chloride

Concen: 46.071 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD063595.D

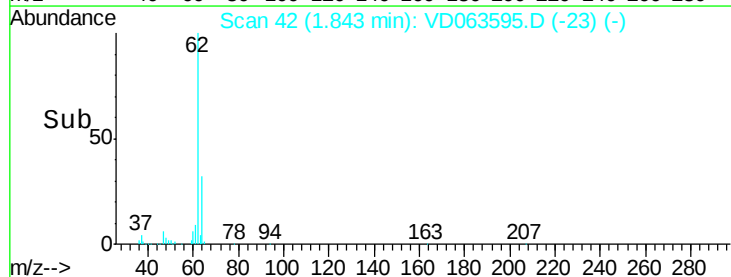
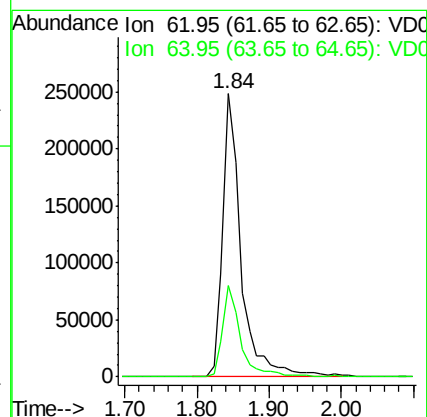
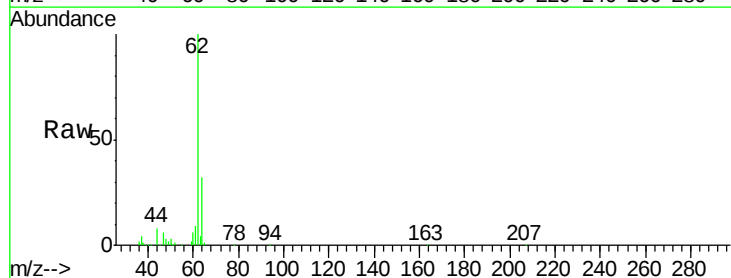
Acq: 15 Aug 2019 1:17

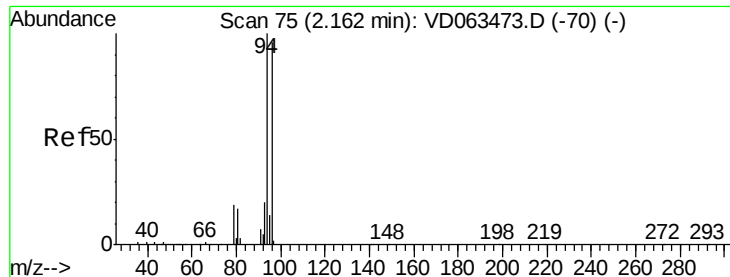
Tgt Ion: 62 Resp: 435610

Ion Ratio Lower Upper

62 100

64 32.1 26.4 39.6





#5

Bromomethane

Concen: 53.650 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :

MSVOA_D

ClientSampleId :

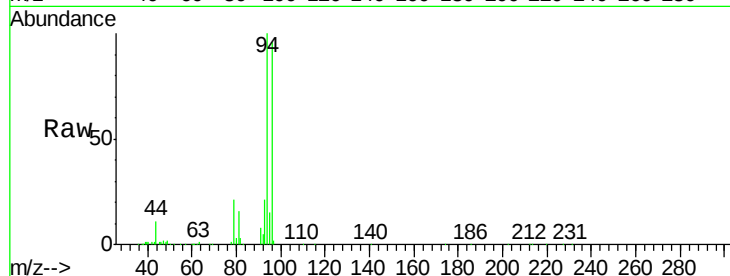
Tot Ion: 94 Resp: 239358

Ion Ratio Lower Upper

94 100

96 95.8 76.5 114.7

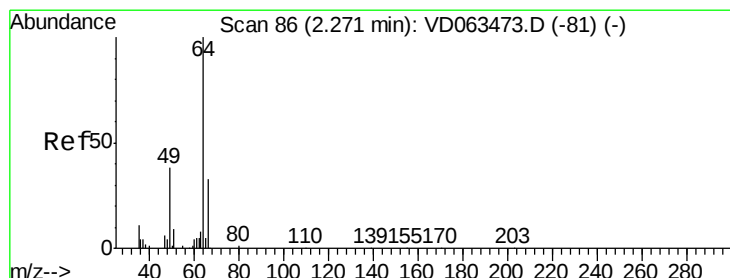
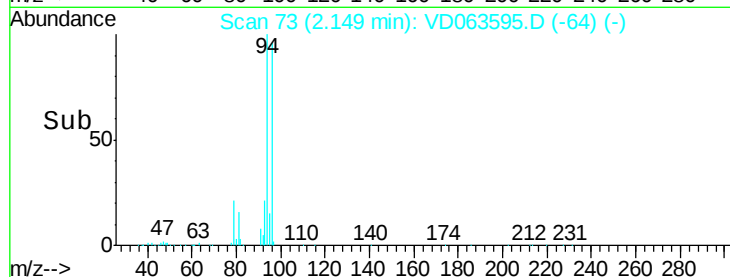
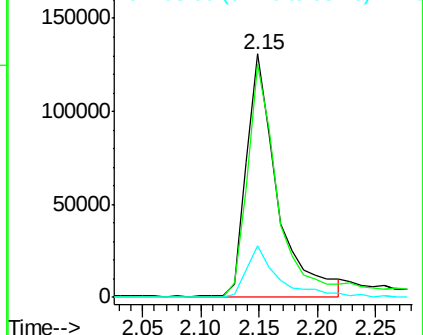
93 21.4 15.8 23.8



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: 57.104 ug/l

RT: 2.27 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063595.D

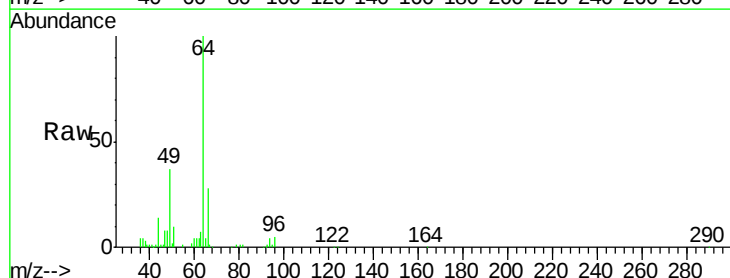
Acq: 15 Aug 2019 1:17

Tgt Ion: 64 Resp: 246905

Ion Ratio Lower Upper

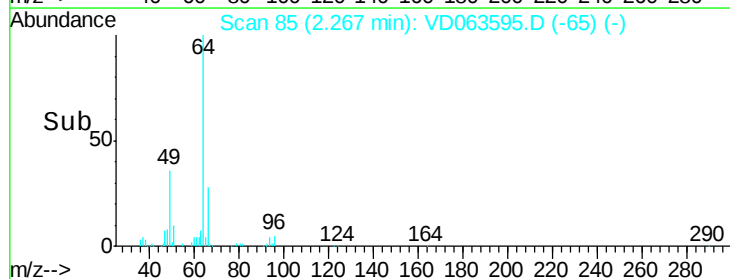
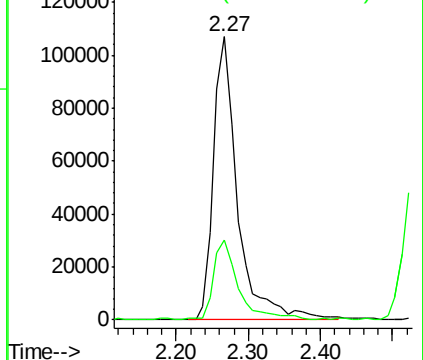
64 100

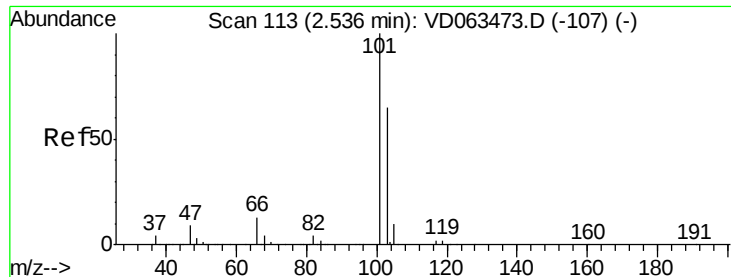
66 28.2 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



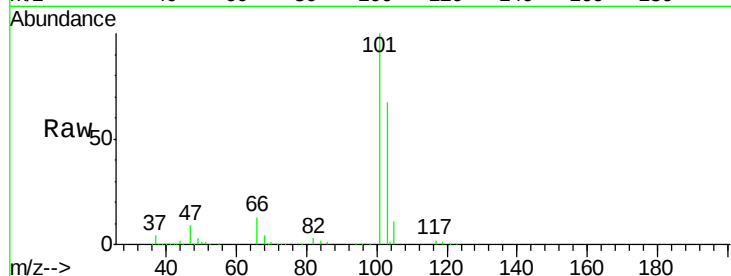


#7

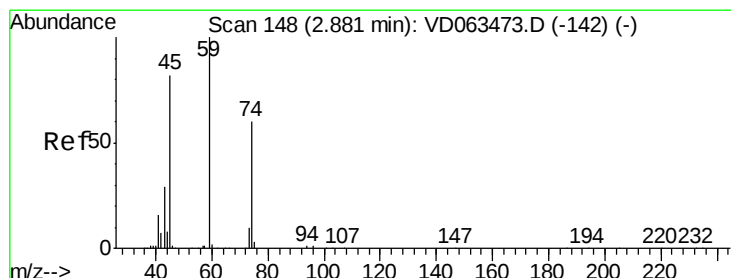
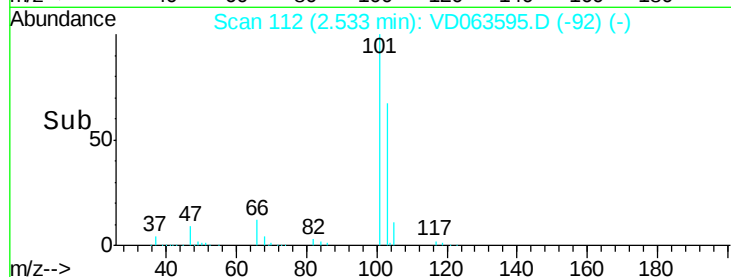
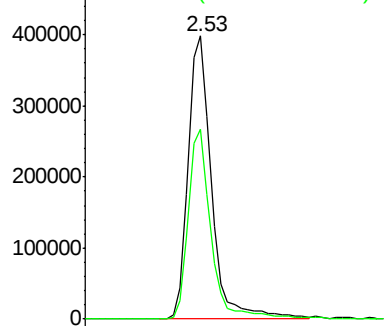
Trichlorofluoromethane
Concen: 50.798 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 942120
Ion Ratio Lower Upper
101 100
103 67.1 52.2 78.4



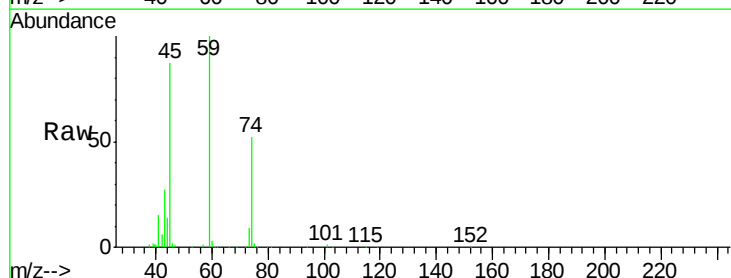
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



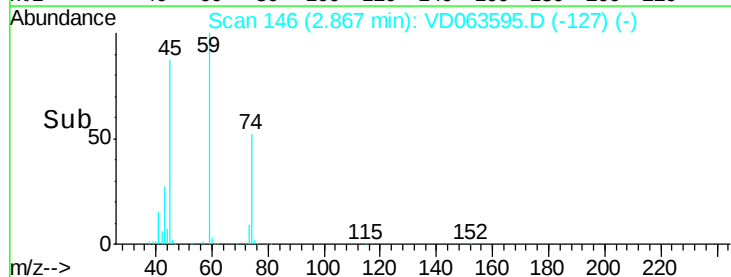
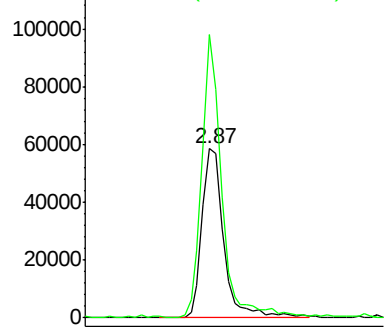
#8

Diethyl Ether
Concen: 53.360 ug/l
RT: 2.87 min Scan# 146
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion: 74 Resp: 139726
Ion Ratio Lower Upper
74 100
45 167.1 68.5 205.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.488 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :

MSVOA_D

ClientSampleId :

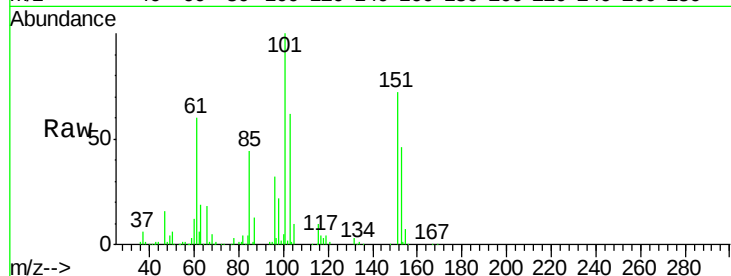
Tot Ion:101 Resp: 552905

Ion Ratio Lower Upper

101 100

85 43.5 35.8 53.6

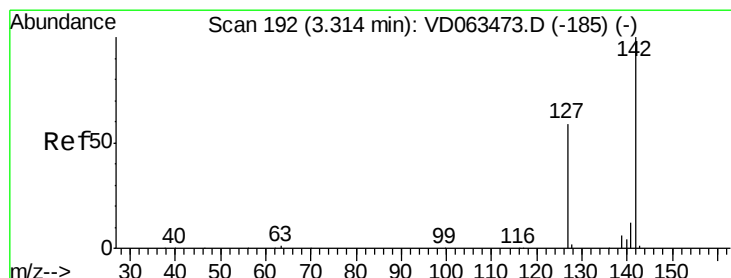
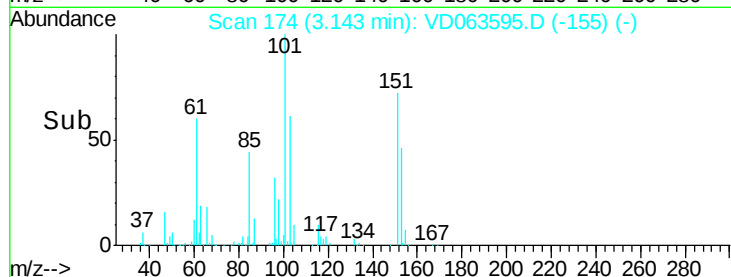
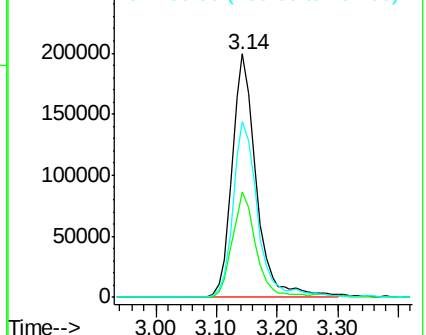
151 72.4 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 52.836 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

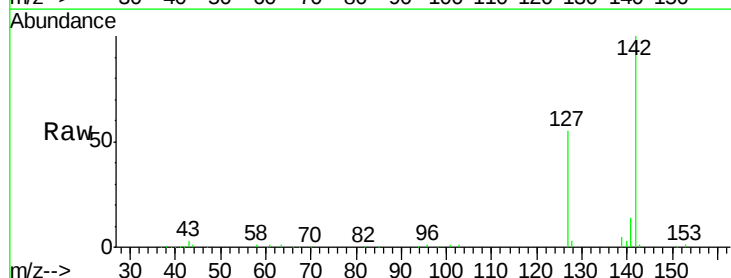
Tgt Ion:142 Resp: 818689

Ion Ratio Lower Upper

142 100

127 55.4 47.2 70.8

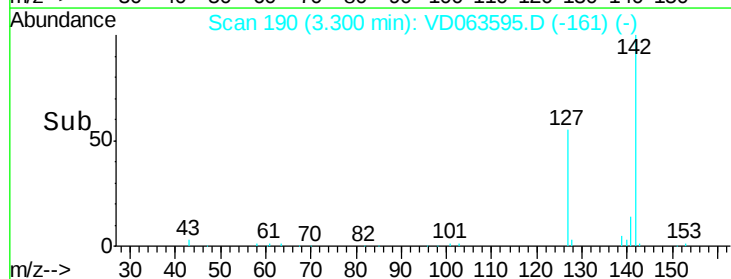
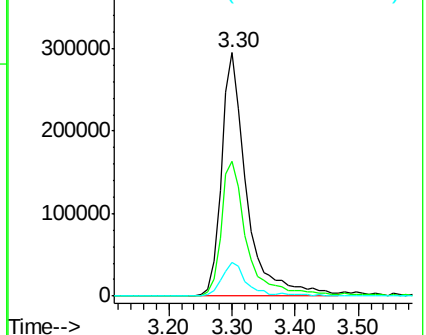
141 13.9 9.8 14.8

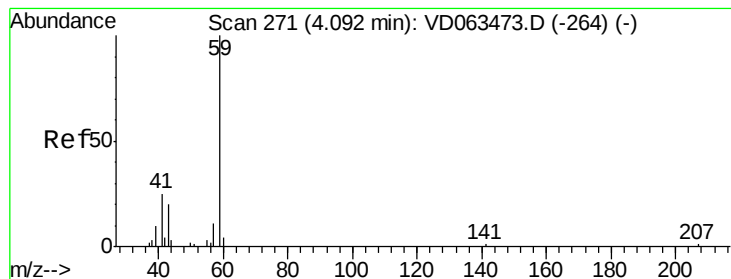


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



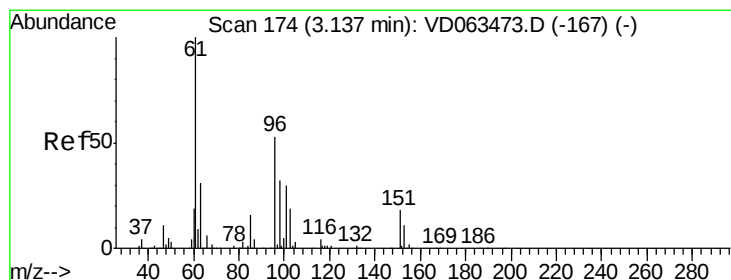
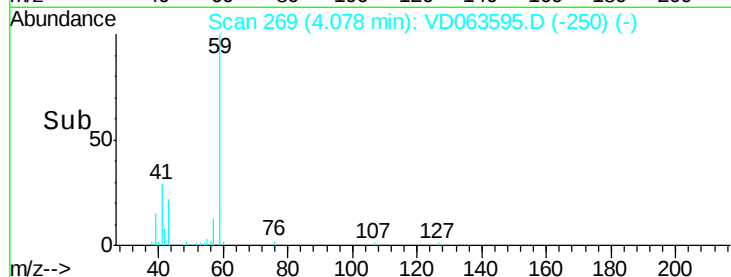
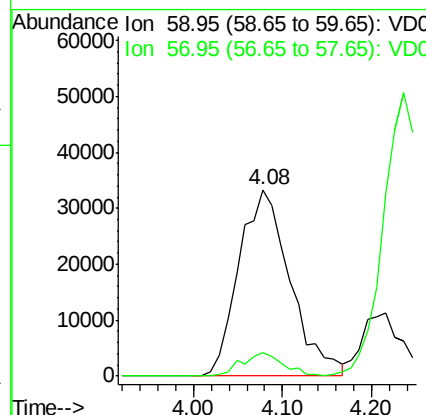
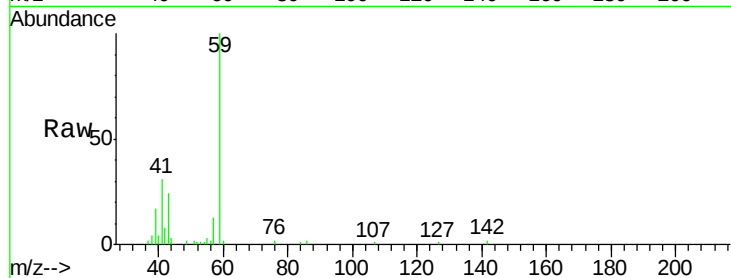


#11

Tert butyl alcohol
Concen: 284.148 ug/l
RT: 4.08 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Instrument :
MSVOA_D
ClientSampled :

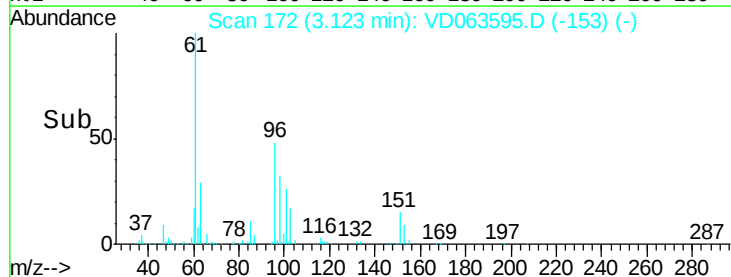
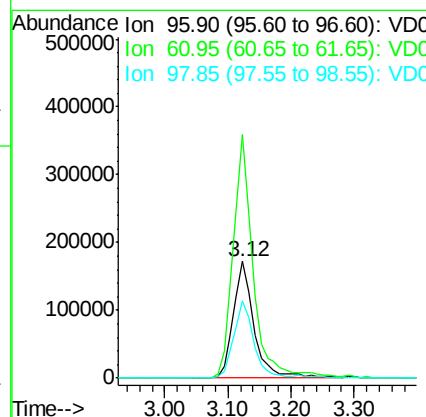
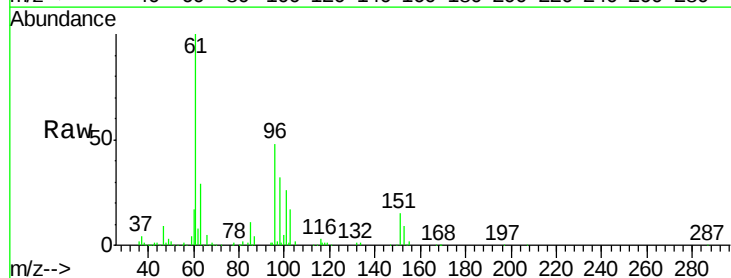
Tot Ion: 59 Resp: 133229
Ion Ratio Lower Upper
59 100
57 12.5 8.7 13.1

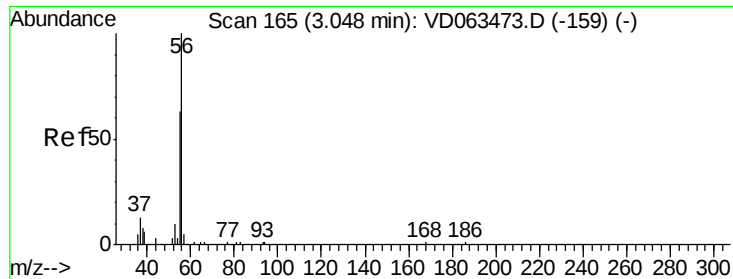


#12

1,1-Dichloroethene
Concen: 48.235 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion: 96 Resp: 392728
Ion Ratio Lower Upper
96 100
61 209.2 151.7 227.5
98 66.4 48.4 72.6

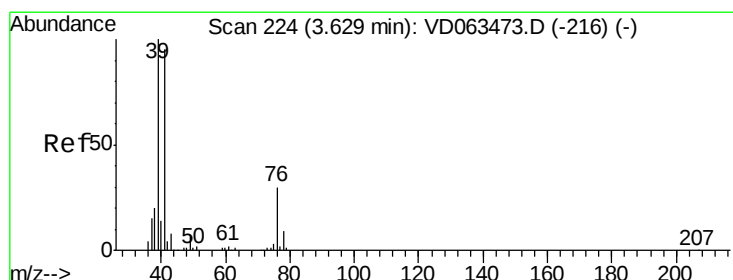
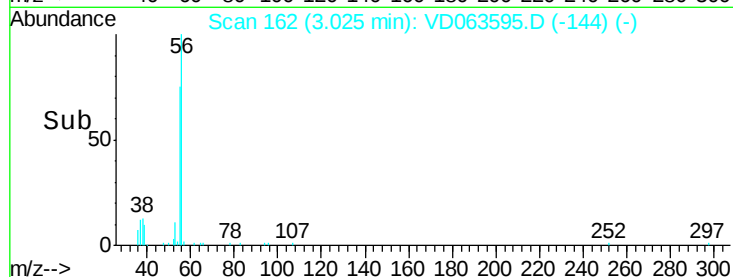
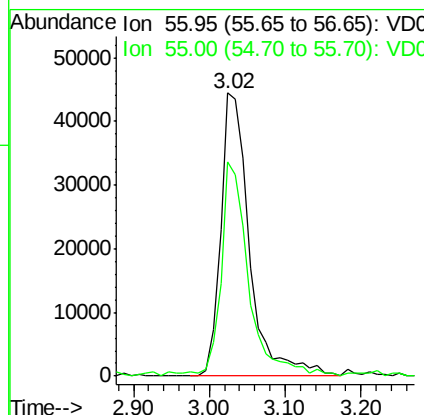
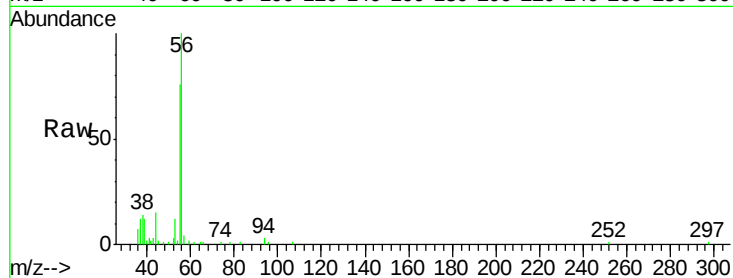




#13
Acrolein
Concen: 255.002 ug/l
RT: 3.02 min Scan# 162
Delta R.T. -0.02 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

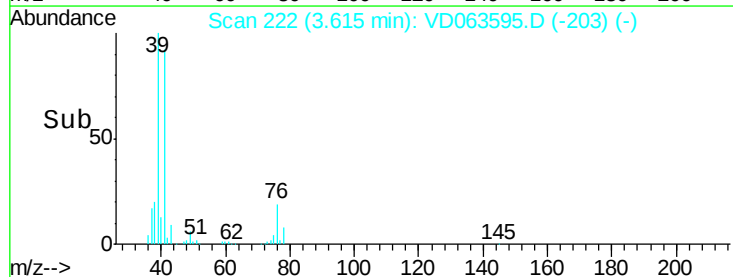
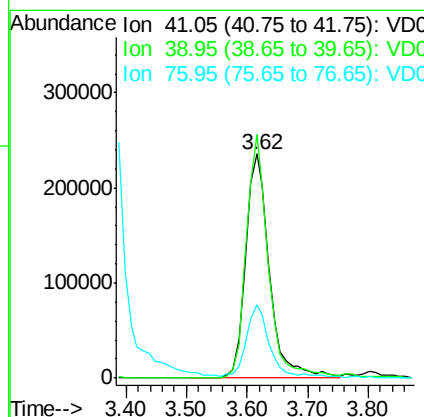
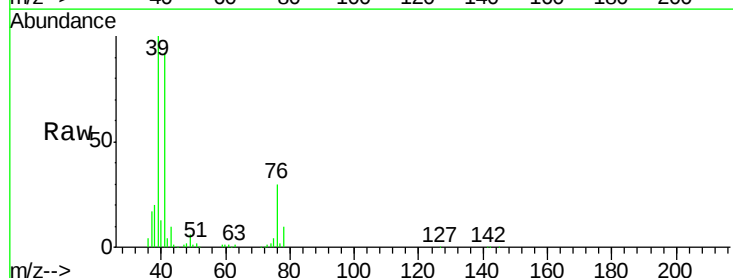
Instrument :
MSVOA_D
ClientSampleId :

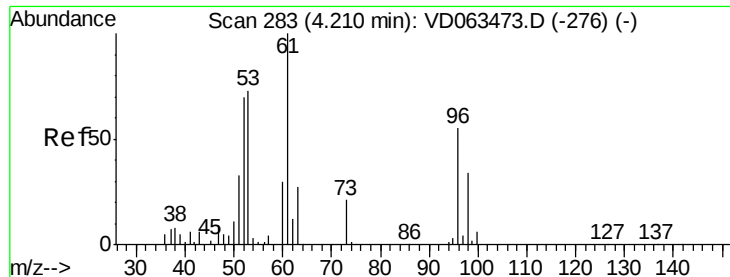
Tot Ion: 56 Resp: 117688
Ion Ratio Lower Upper
56 100
55 75.9 51.3 76.9



#14
Allyl chloride
Concen: 52.447 ug/l
RT: 3.62 min Scan# 222
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion: 41 Resp: 641945
Ion Ratio Lower Upper
41 100
39 108.7 84.2 126.4
76 32.8 26.0 39.0





#15

Acrylonitrile

Concen: 294.212 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :
MSVOA_D
ClientSampleId :

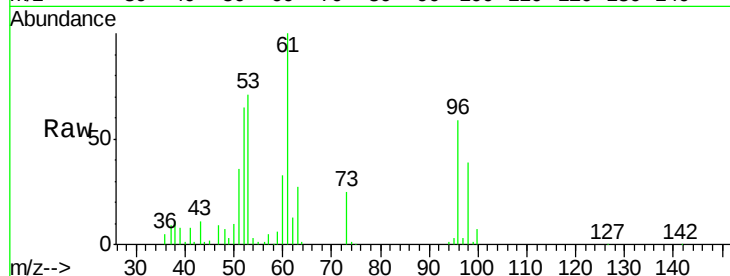
Tot Ion: 53 Resp: 365391

Ion Ratio Lower Upper

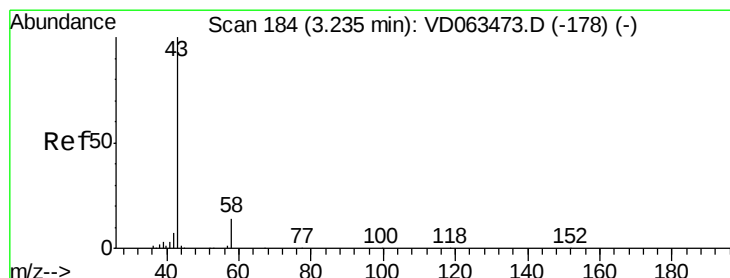
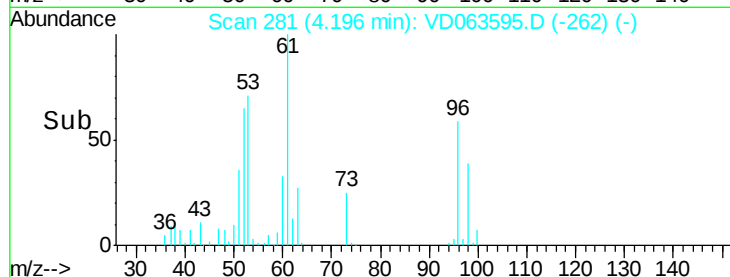
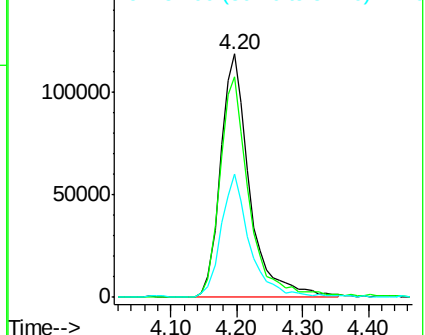
53 100

52 90.7 77.4 116.0

51 50.6 36.7 55.1



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: 231.079 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063595.D

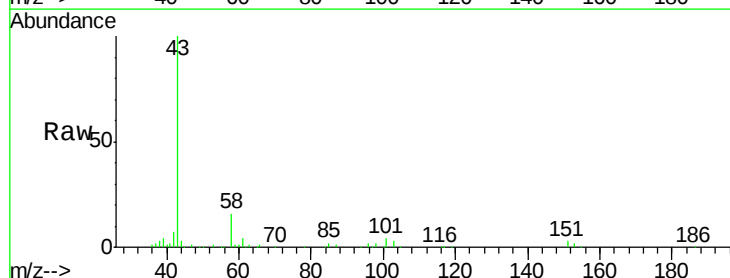
Acq: 15 Aug 2019 1:17

Tgt Ion: 43 Resp: 505942

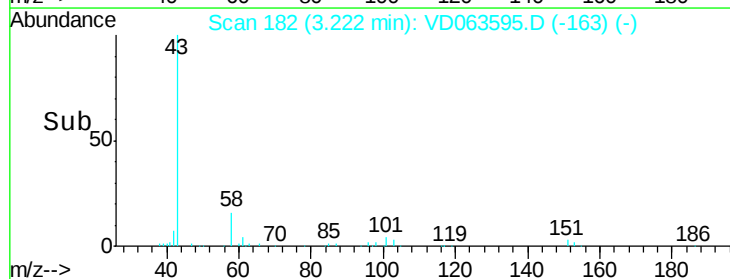
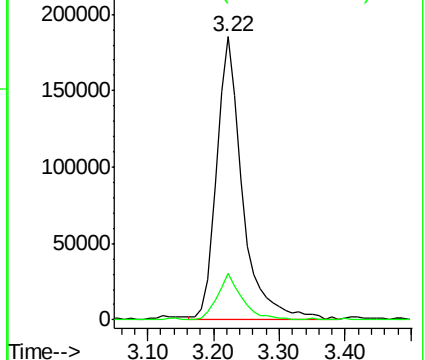
Ion Ratio Lower Upper

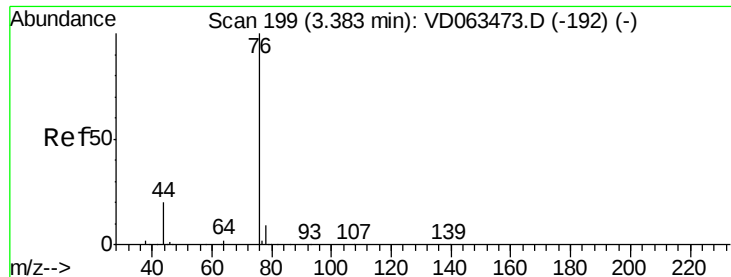
43 100

58 16.3 11.4 17.2



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

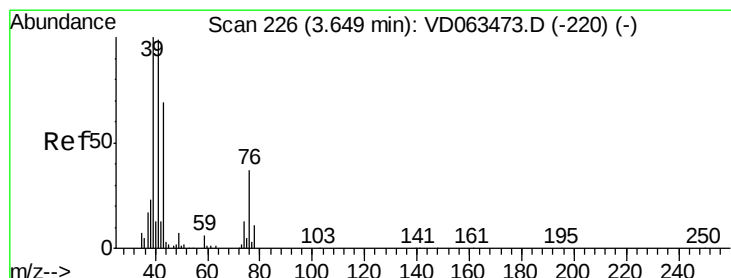
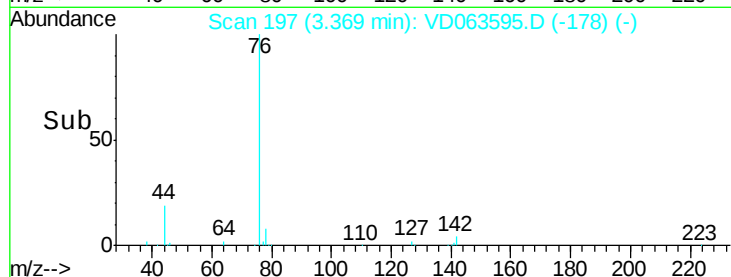
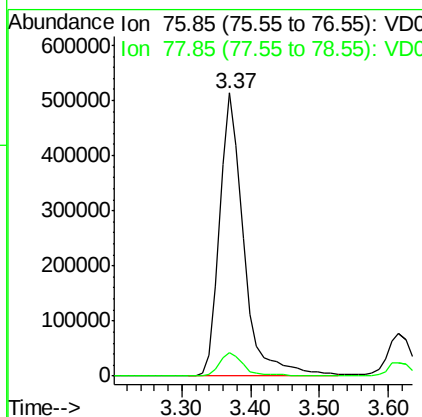
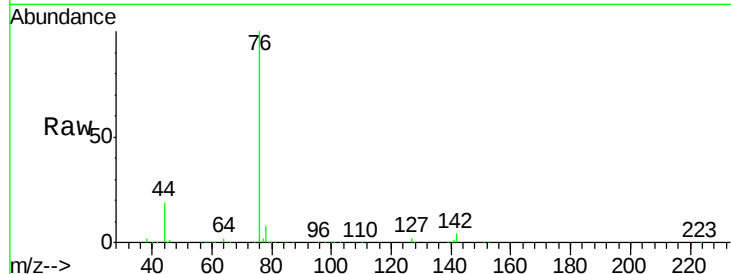




#17
Carbon Disulfide
Concen: 48.732 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

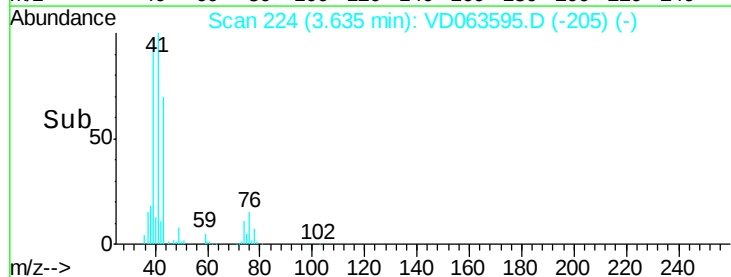
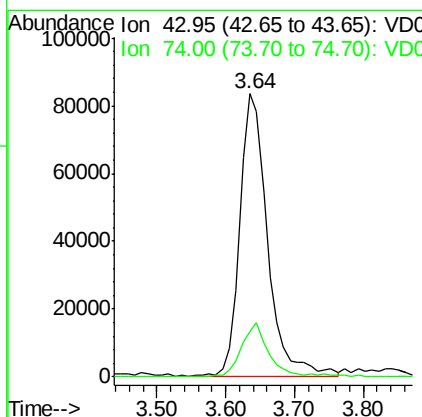
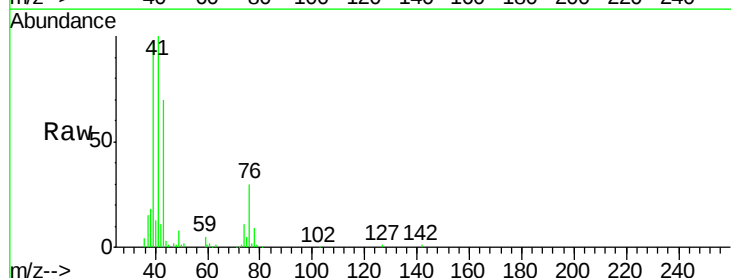
Instrument :
MSVOA_D
ClientSampled :

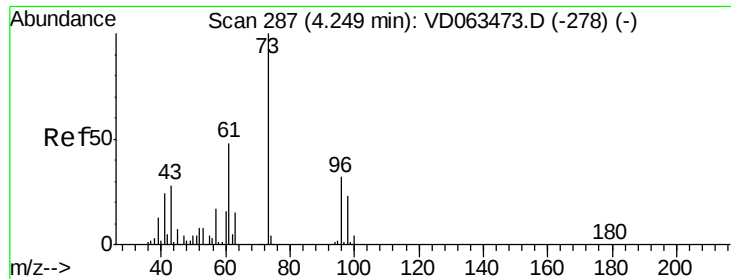
Tot Ion: 76 Resp: 1252237
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0



#18
Methyl Acetate
Concen: 55.599 ug/l
RT: 3.64 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion: 43 Resp: 230578
Ion Ratio Lower Upper
43 100
74 16.1 15.4 23.2



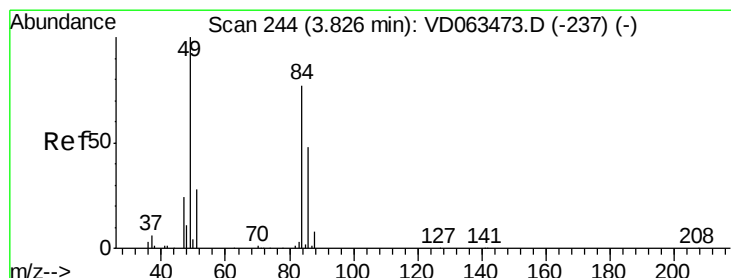
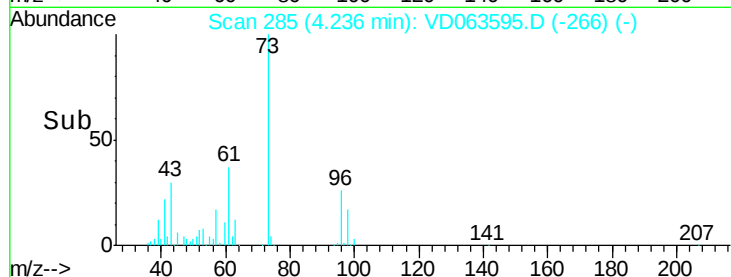
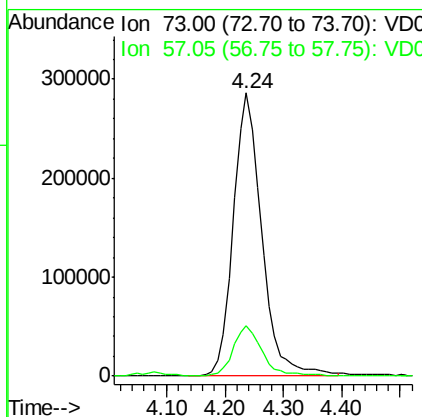
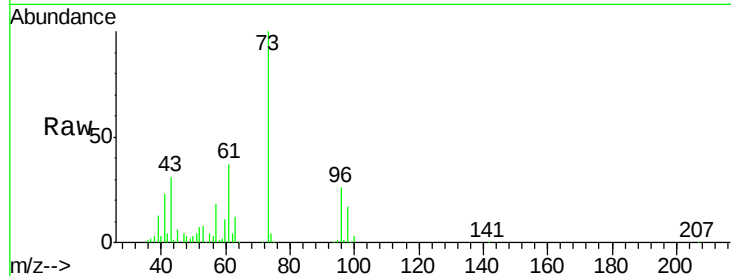


#19

Methyl tert-butyl Ether
 Concen: 59.903 ug/l
 RT: 4.24 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

Instrument :
 MSVOA_D
 ClientSampleId :

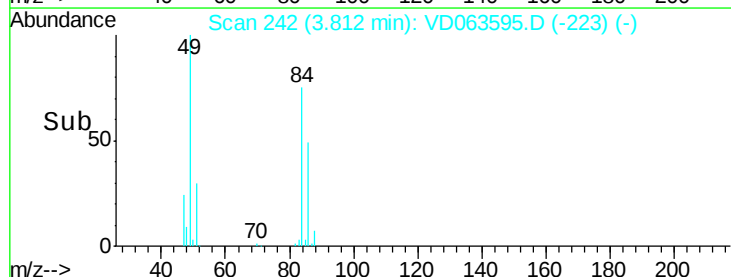
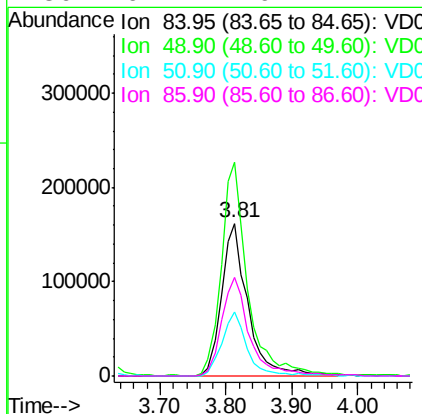
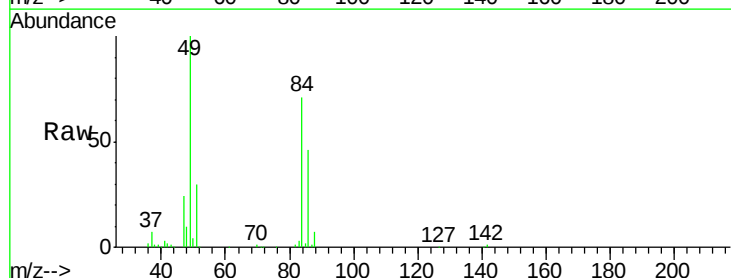
Tot Ion: 73 Resp: 975414
 Ion Ratio Lower Upper
 73 100
 57 17.7 14.0 21.0

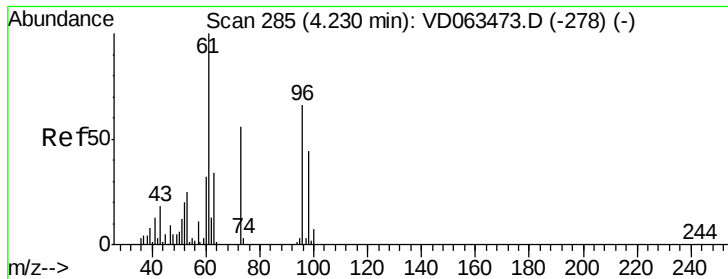


#20

Methylene Chloride
 Concen: 47.753 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

Tgt Ion: 84 Resp: 452109
 Ion Ratio Lower Upper
 84 100
 49 139.9 103.4 155.2
 51 42.3 28.5 42.7
 86 64.7 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 54.566 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :

MSVOA_D

ClientSampleId :

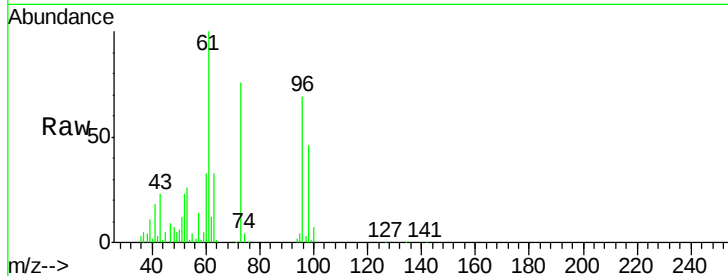
Tot Ion: 96 Resp: 467519

Ion Ratio Lower Upper

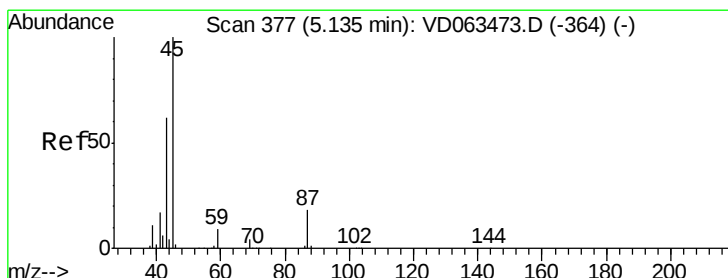
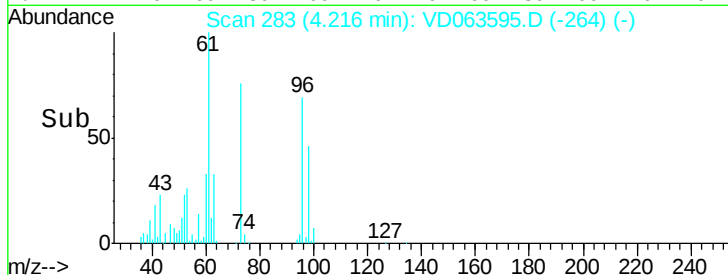
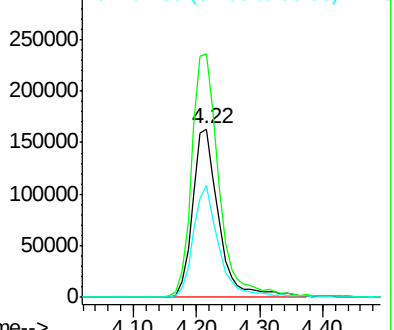
96 100

61 144.4 121.7 182.5

98 66.1 54.2 81.2



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: 53.899 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Tgt Ion: 45 Resp: 1361328

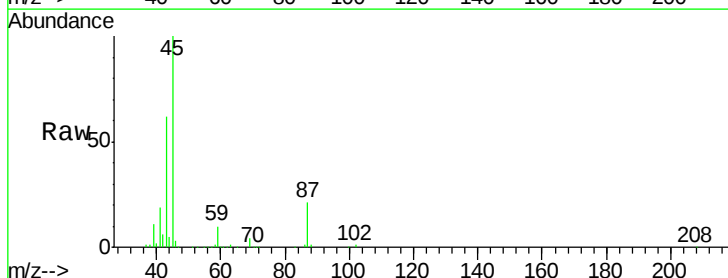
Ion Ratio Lower Upper

45 100

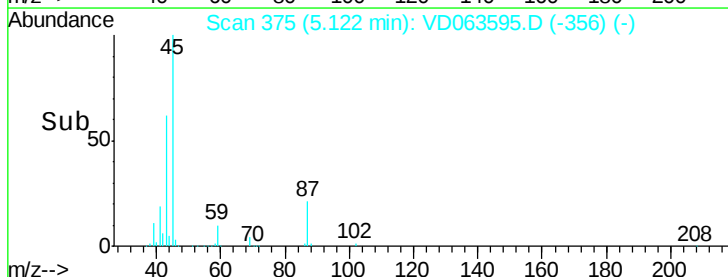
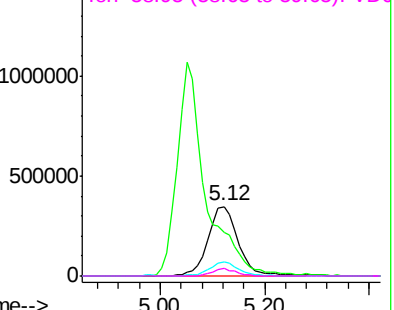
43 62.5 50.3 75.5

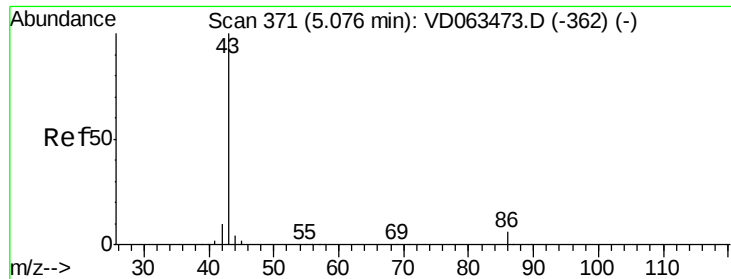
87 21.0 14.3 21.5

59 10.4 7.7 11.5



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: 274.855 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.02 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :

MSVOA_D

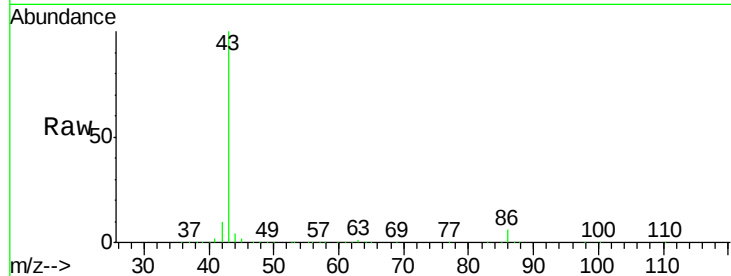
ClientSampleId :

Tot Ion: 43 Resp: 4035804

Ion Ratio Lower Upper

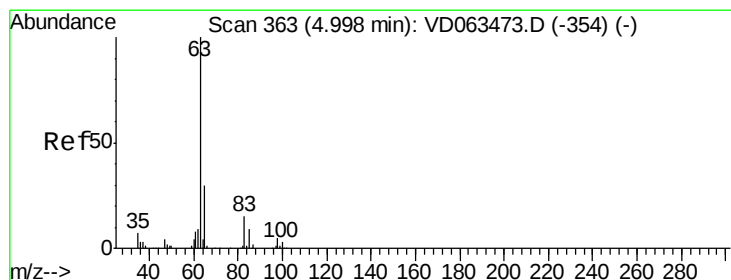
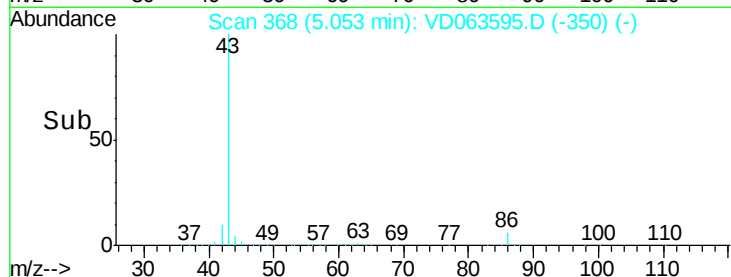
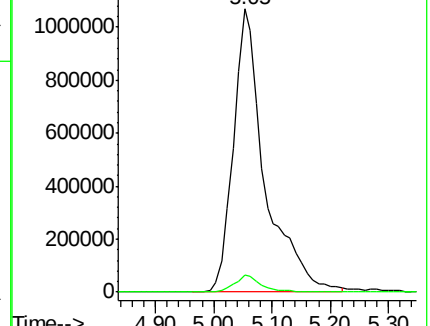
43 100

86 6.0 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.198 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.02 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

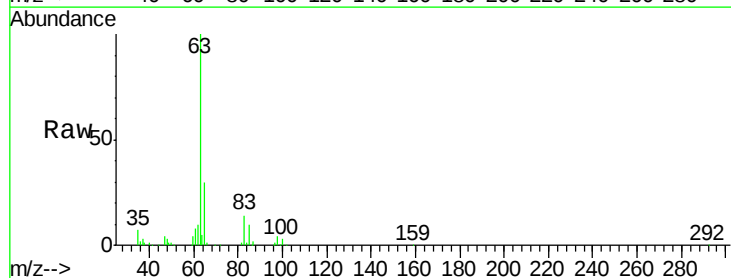
Tgt Ion: 63 Resp: 833357

Ion Ratio Lower Upper

63 100

98 4.3 2.4 7.2

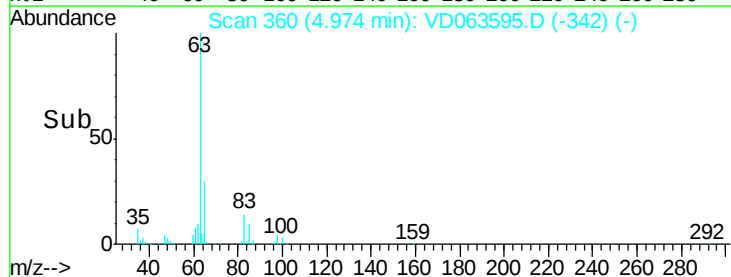
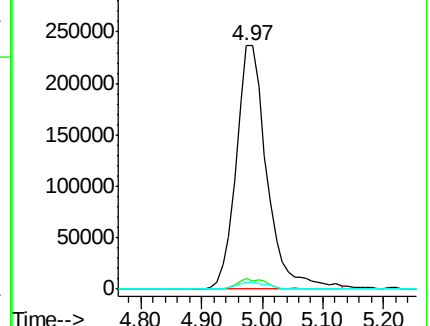
100 2.7 1.3 3.8



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: 267.331 ug/l

RT: 6.07 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :

MSVOA_D

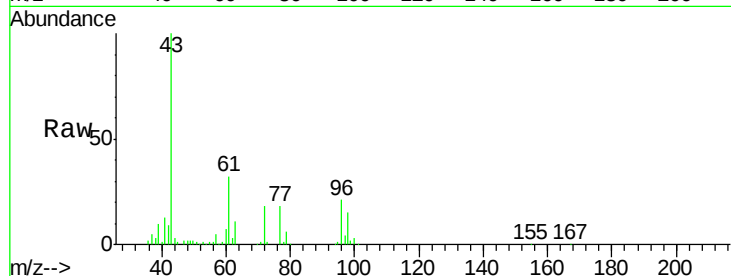
ClientSampled :

Tot Ion: 43 Resp: 578077

Ion Ratio Lower Upper

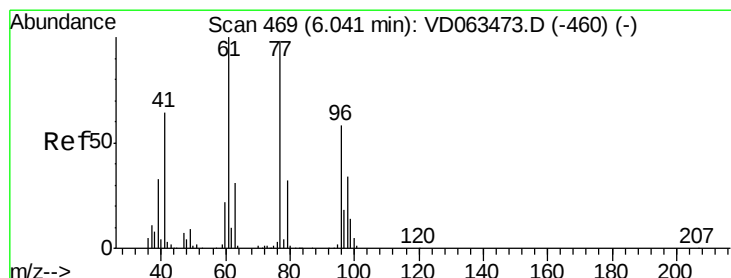
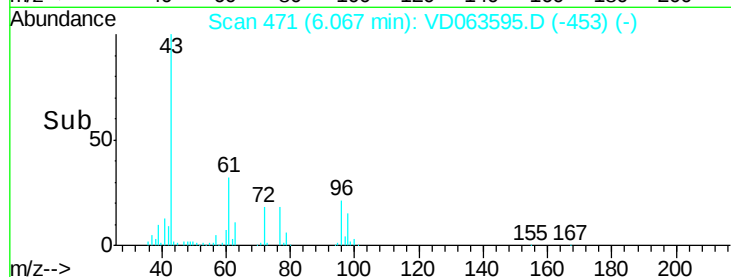
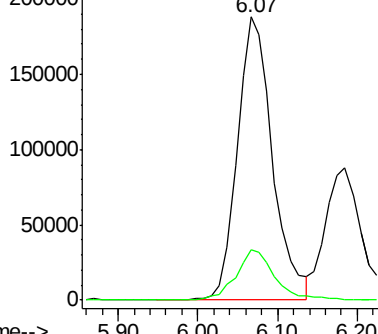
43 100

72 18.0 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.845 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD063595.D

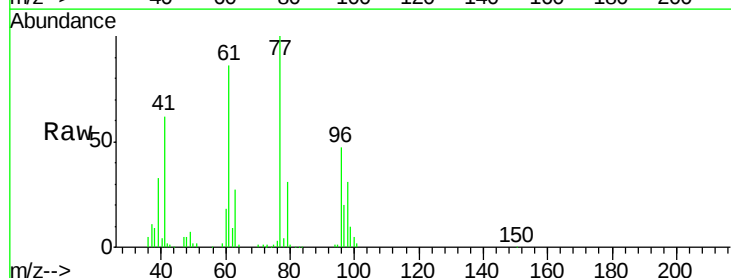
Acq: 15 Aug 2019 1:17

Tgt Ion: 77 Resp: 777739

Ion Ratio Lower Upper

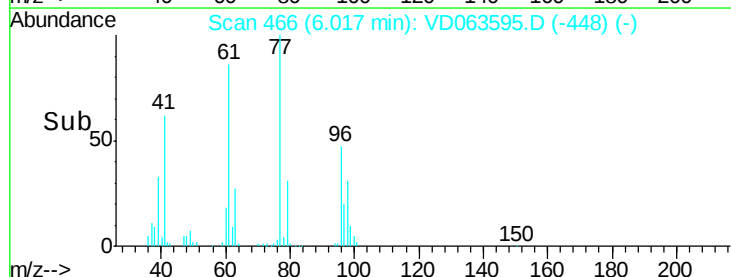
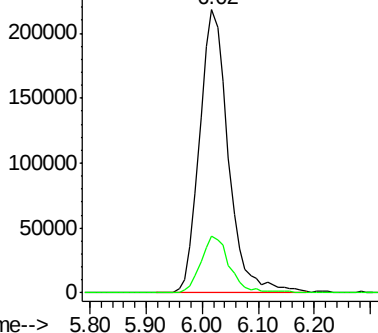
77 100

97 19.9 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



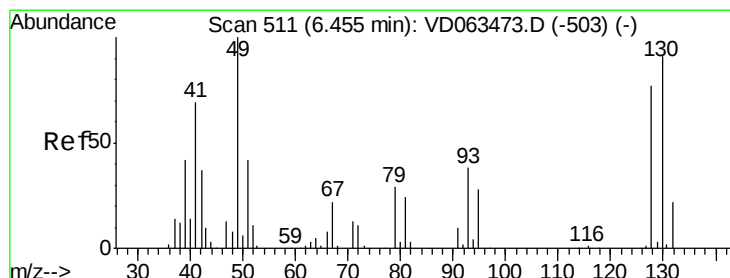
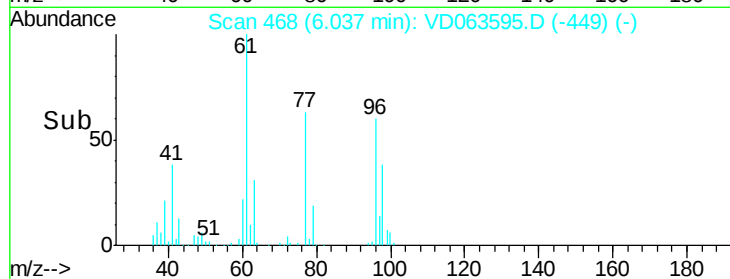
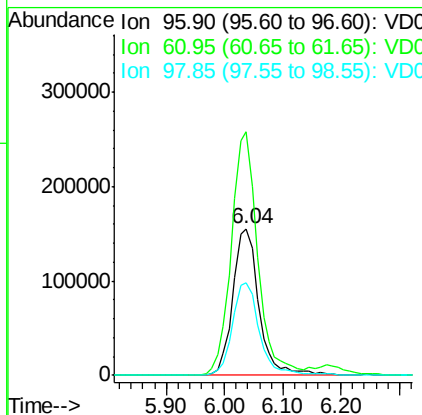
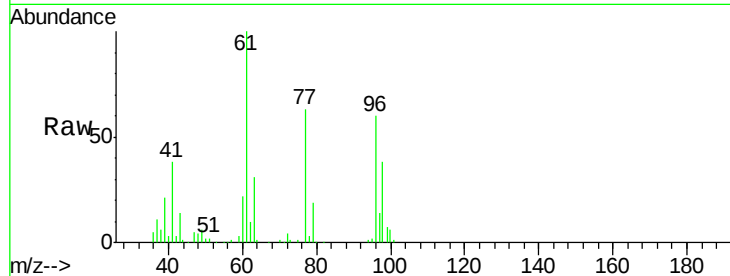


#27

cis-1,2-Dichloroethene
Concen: 51.719 ug/l
RT: 6.04 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Instrument :
MSVOA_D
ClientSampled :

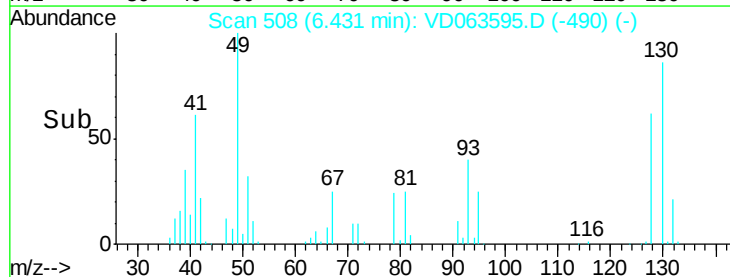
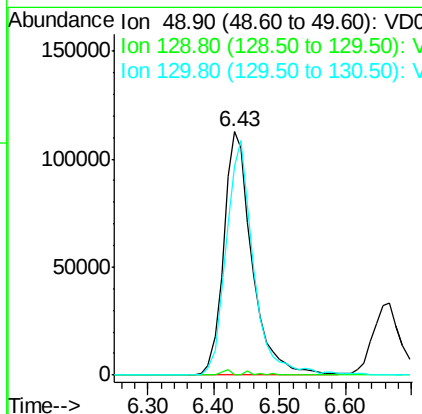
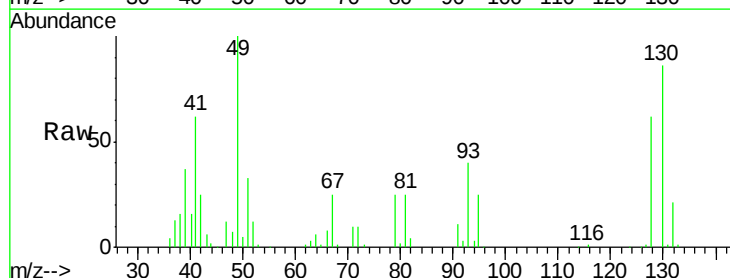
Tot Ion	Ratio	Lower	Upper
96	100		
61	166.4	0.0	304.0
98	62.9	0.0	124.8



#28

Bromochloromethane
Concen: 53.329 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	86.1	72.4	108.6

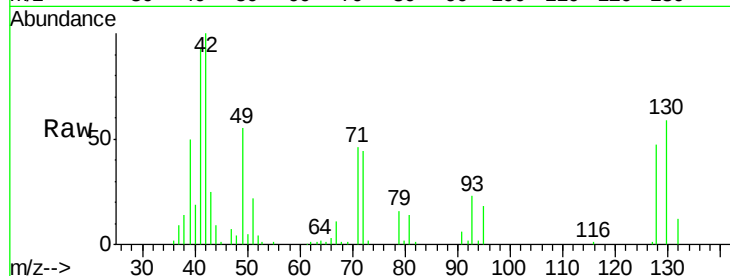




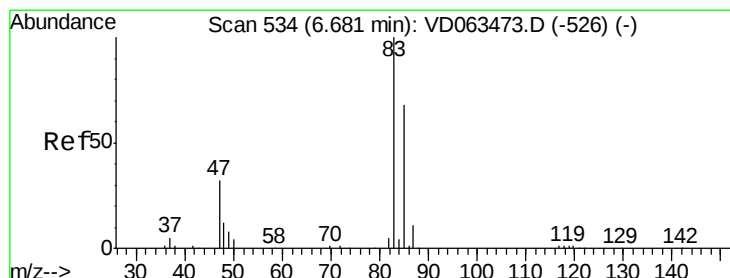
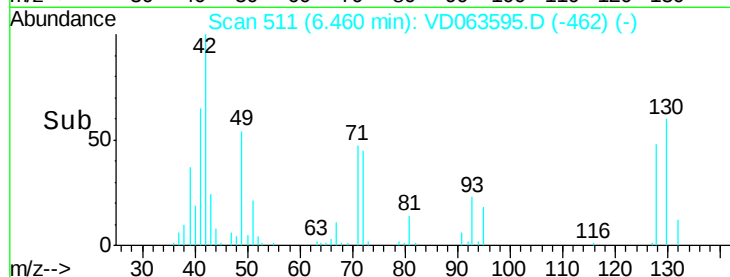
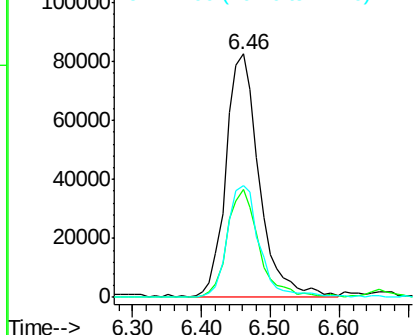
#29
Tetrahydrofuran
Concen: 275.178 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 277277
Ion Ratio Lower Upper
42 100
72 42.1 31.5 47.3
71 44.6 33.8 50.8

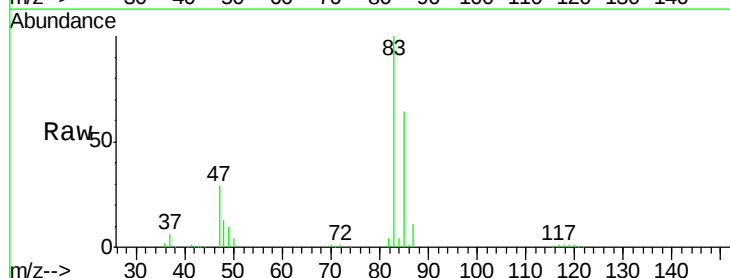


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

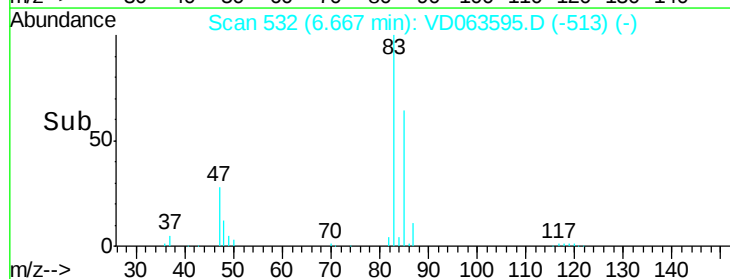
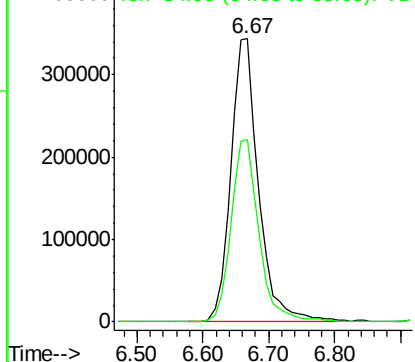


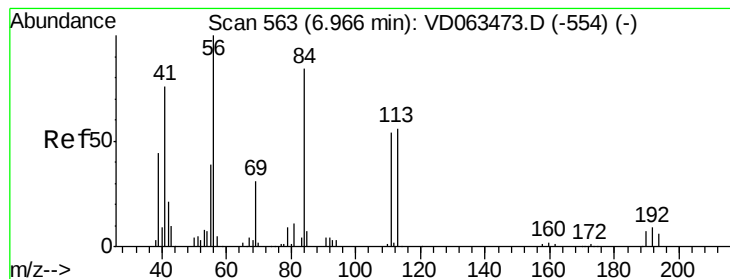
#30
Chloroform
Concen: 52.148 ug/l
RT: 6.67 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion: 83 Resp: 1015415
Ion Ratio Lower Upper
83 100
85 64.5 54.8 82.2



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





#31

Cyclohexane

Concen: 48.812 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :
MSVOA_D
ClientSampleId :

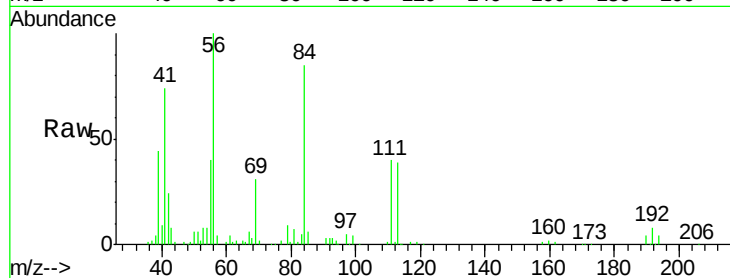
Tot Ion: 56 Resp: 474703

Ion Ratio Lower Upper

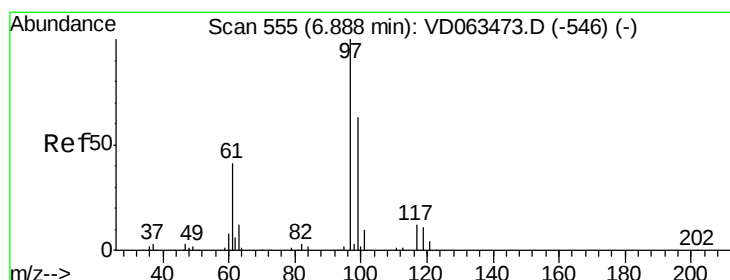
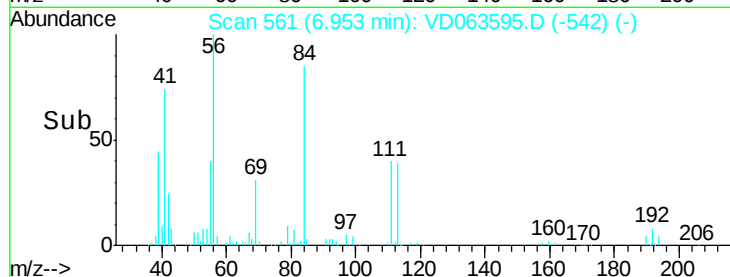
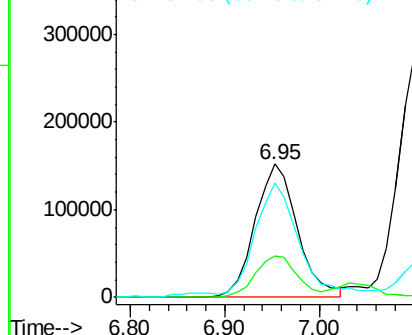
56 100

69 31.3 25.0 37.6

84 85.5 69.7 104.5



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



#32

1,1,1-Trichloroethane

Concen: 51.568 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

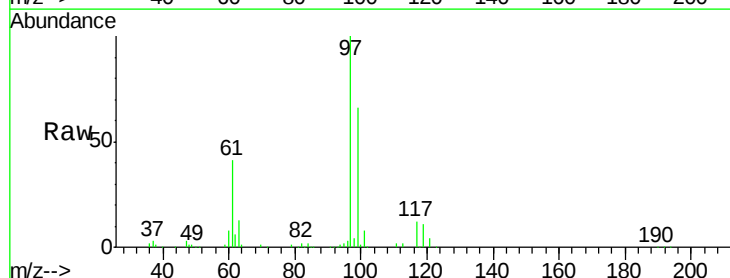
Tgt Ion: 97 Resp: 960519

Ion Ratio Lower Upper

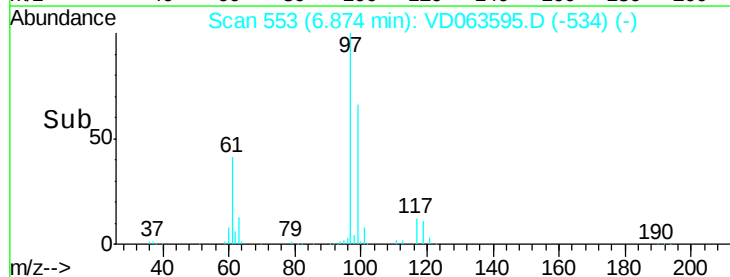
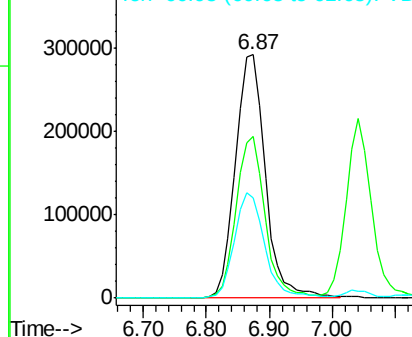
97 100

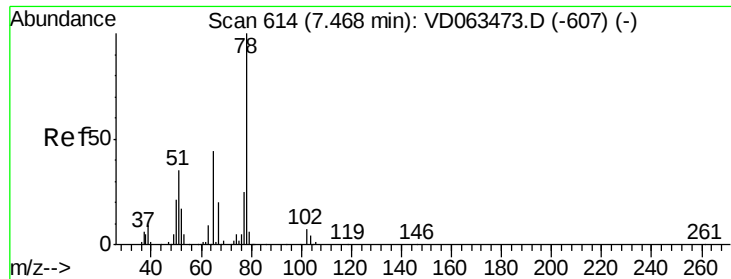
99 66.3 50.2 75.4

61 41.4 33.1 49.7



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





#33

1,2-Dichloroethane-d4

Concen: 56.191 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :

MSVOA_D

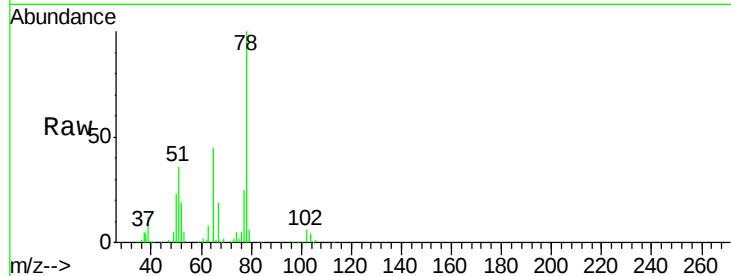
ClientSampleId :

Tot Ion: 65 Resp: 605218

Ion Ratio Lower Upper

65 100

67 42.3 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

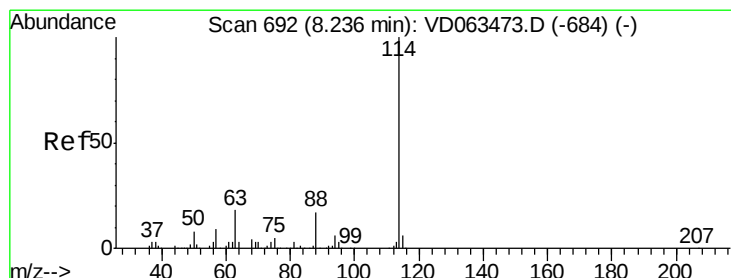
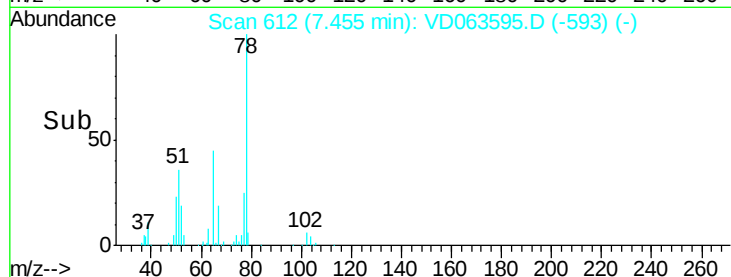
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

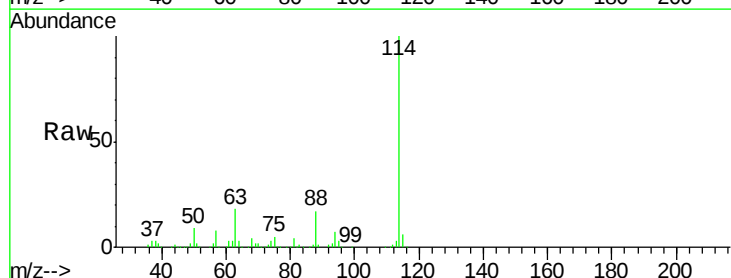
Tgt Ion: 114 Resp: 1410104

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.2

88 17.3 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.21

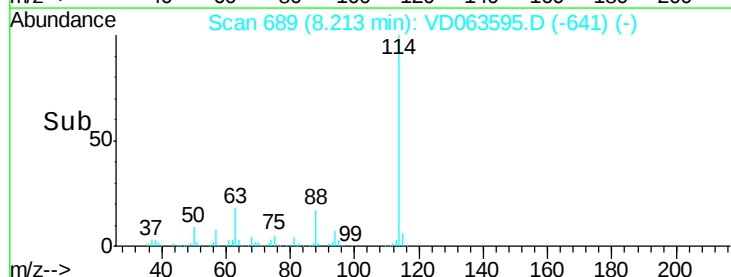
600000

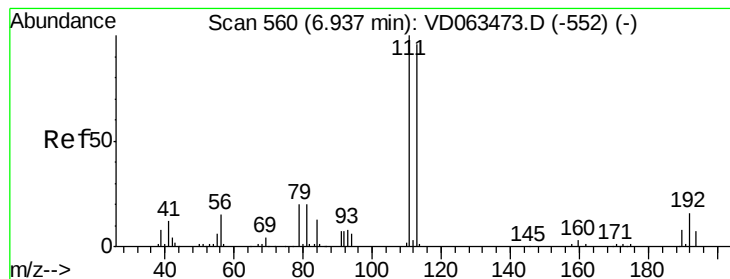
400000

200000

0

Time--> 8.00 8.20 8.40





#35

Dibromofluoromethane

Concen: 53.039 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :

MSVOA_D

ClientSampleId :

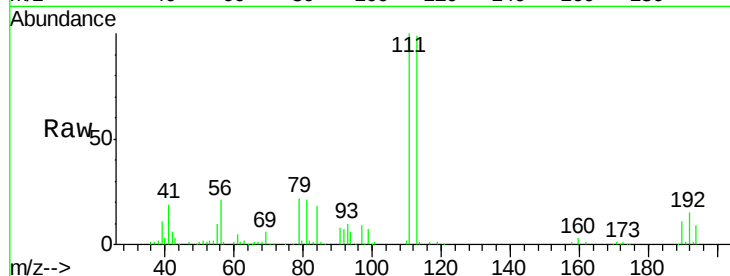
Tot Ion:113 Resp: 629889

Ion Ratio Lower Upper

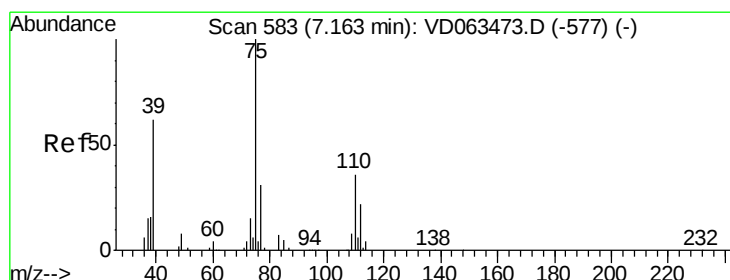
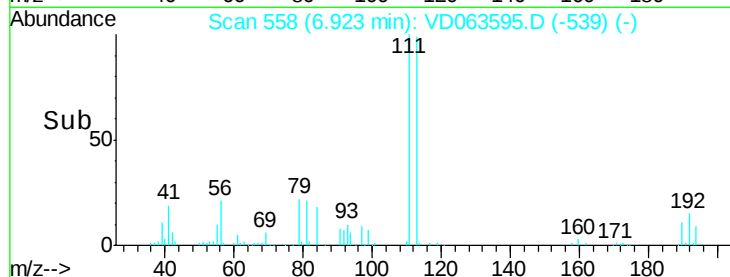
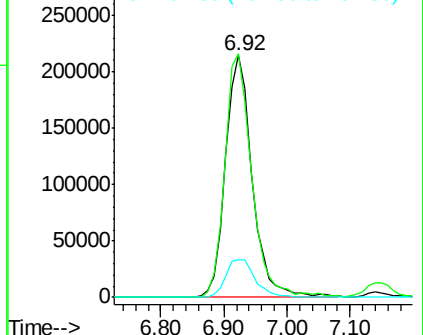
113 100

111 100.7 83.1 124.7

192 15.6 13.1 19.7



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: 48.717 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

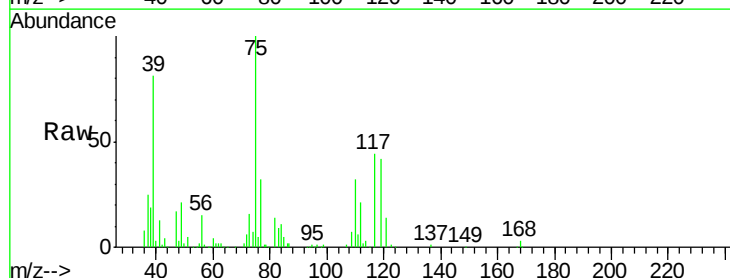
Tgt Ion: 75 Resp: 607291

Ion Ratio Lower Upper

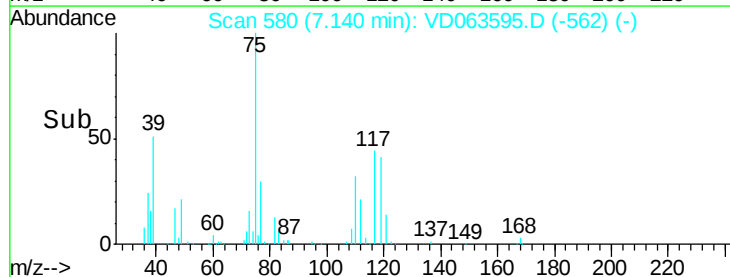
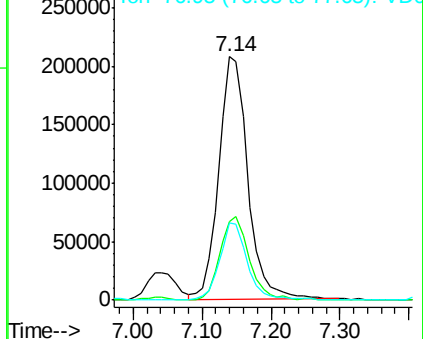
75 100

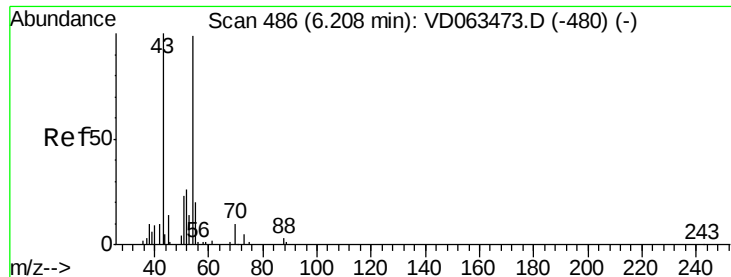
110 32.0 17.6 52.8

77 31.9 24.3 36.5



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

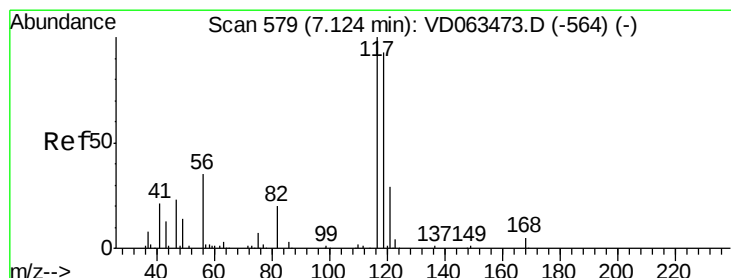
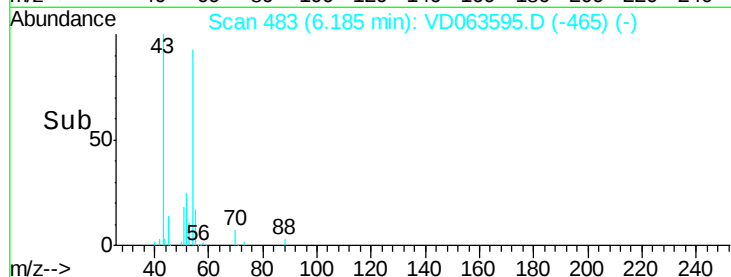
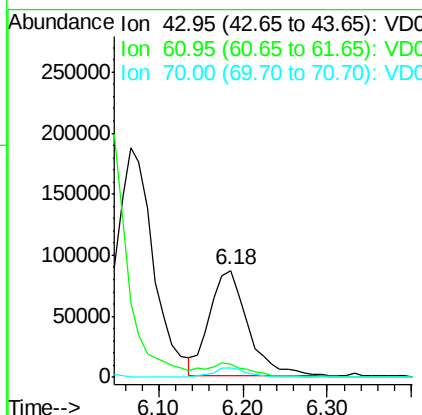
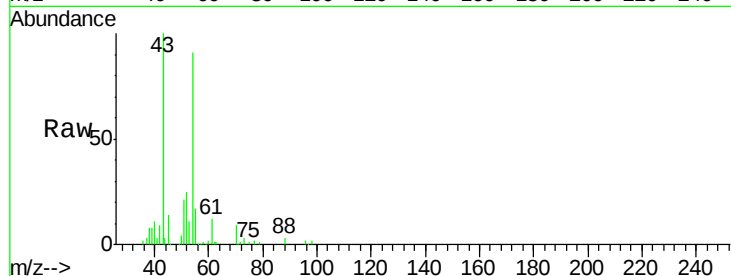




#37
Ethyl Acetate
Concen: 52.055 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.02 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

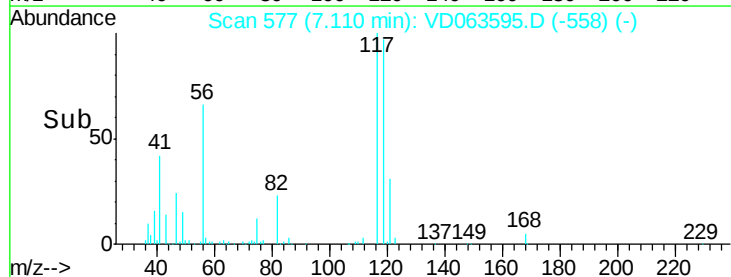
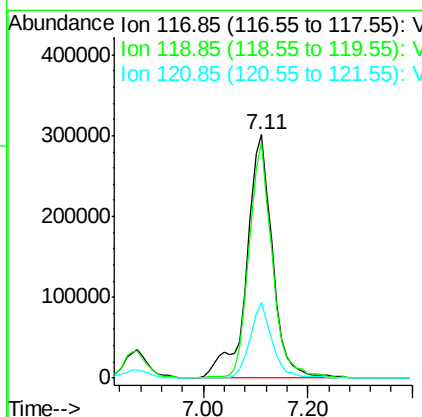
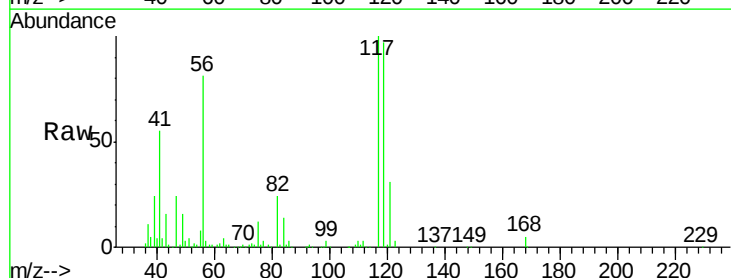
Instrument :
MSVOA_D
ClientSampled :

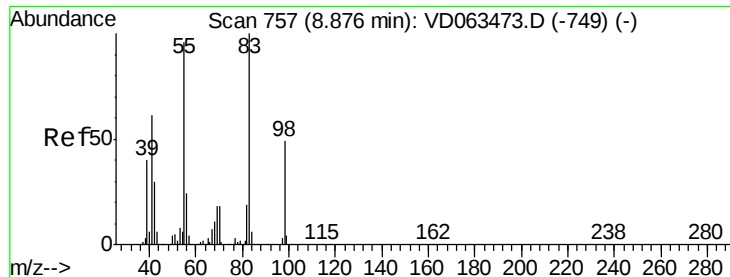
Tot Ion: 43 Resp: 271909
Ion Ratio Lower Upper
43 100
61 12.1 9.0 13.6
70 8.8 6.9 10.3



#38
Carbon Tetrachloride
Concen: 53.294 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion: 117 Resp: 1001247
Ion Ratio Lower Upper
117 100
119 96.7 74.2 111.2
121 31.3 23.1 34.7

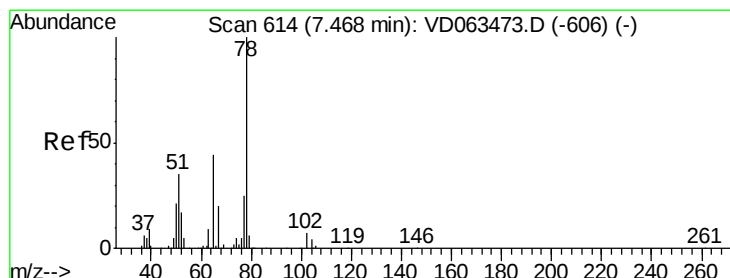
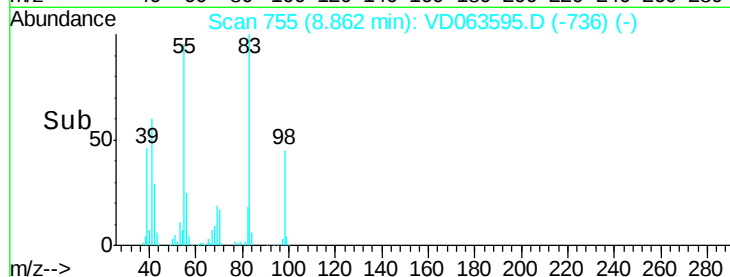
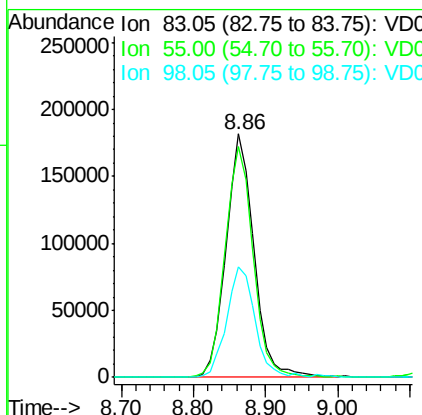
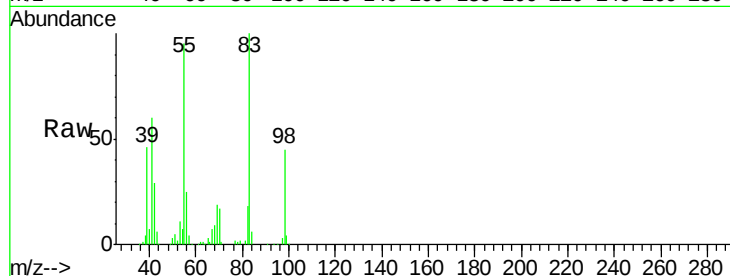




#39
Methvlcvclohexane
Concen: 46.112 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

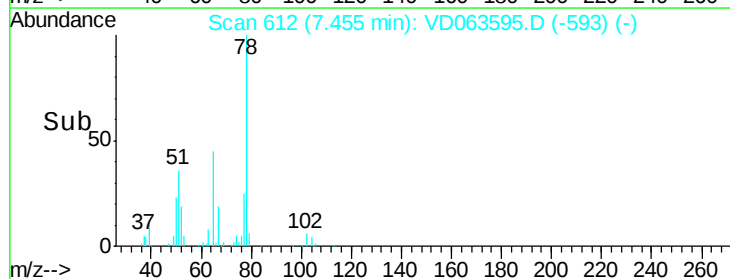
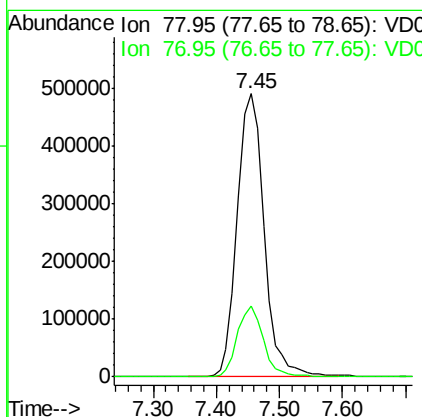
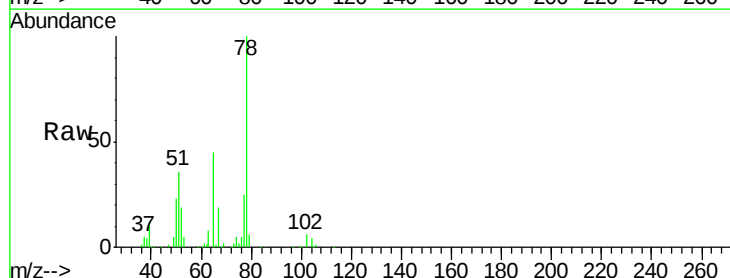
Instrument :
MSVOA_D
ClientSampleId :

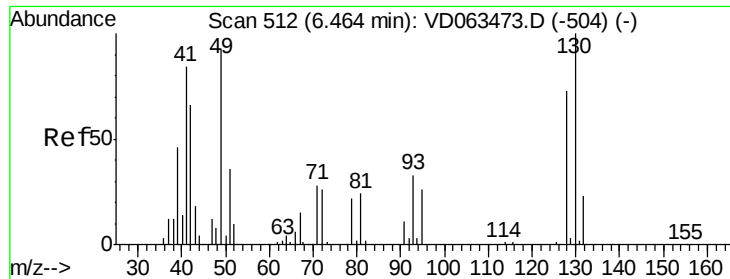
Tot Ion: 83 Resp: 488790
Ion Ratio Lower Upper
83 100
55 95.0 76.6 114.8
98 45.3 39.4 59.0



#40
Benzene
Concen: 52.851 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion: 78 Resp: 1449846
Ion Ratio Lower Upper
78 100
77 24.9 20.1 30.1

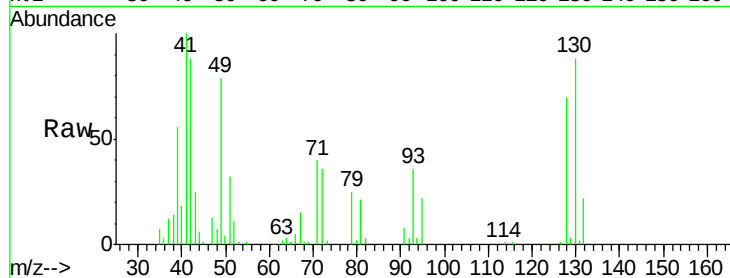




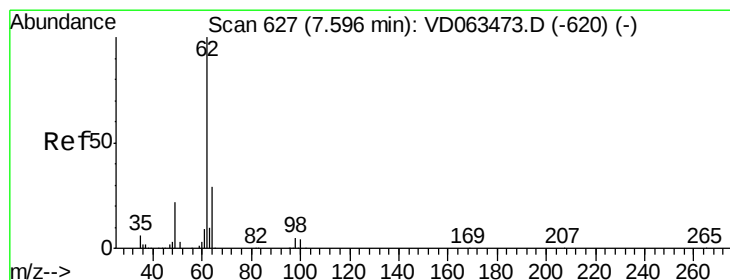
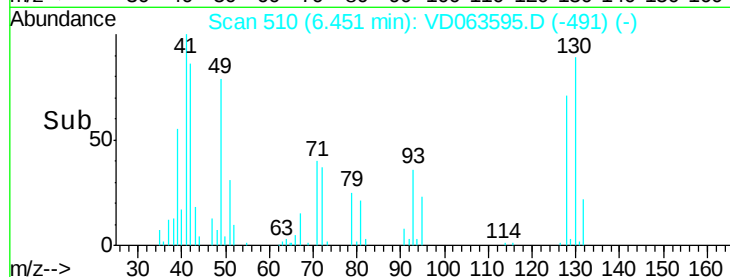
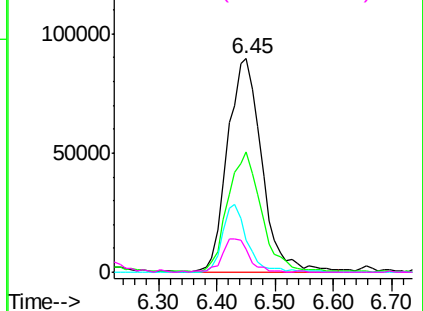
#41
Methacrylonitrile
Concen: 55.773 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	366813
Ion	Ratio	Lower	Upper
41	100		
39	56.4	44.6	66.8
67	14.8	14.4	21.6
52	10.6	9.3	13.9

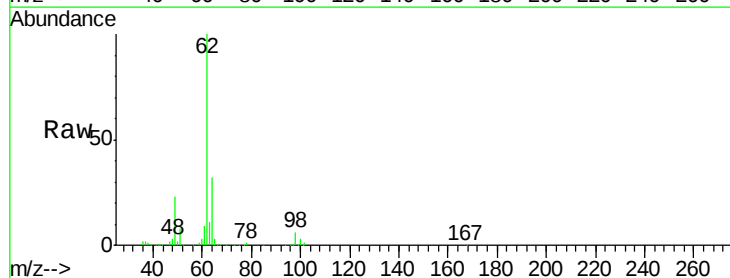


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

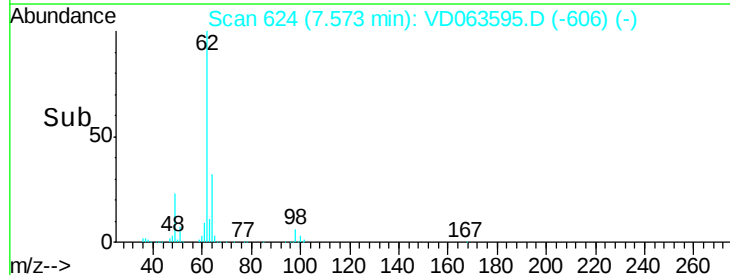
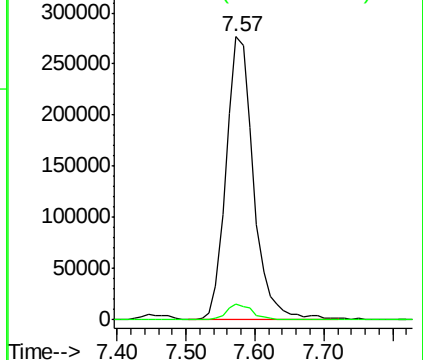


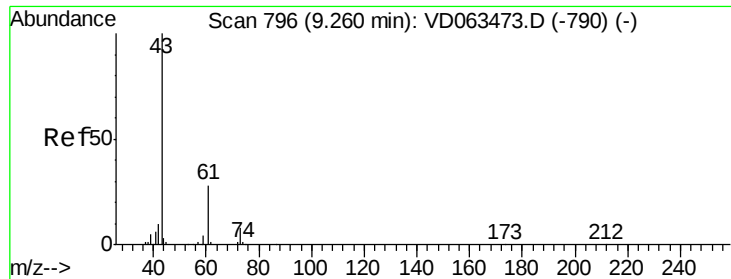
#42
1,2-Dichloroethane
Concen: 55.474 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.02 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion:	62	Resp:	765193
Ion	Ratio	Lower	Upper
62	100		
98	5.7	0.0	10.4



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



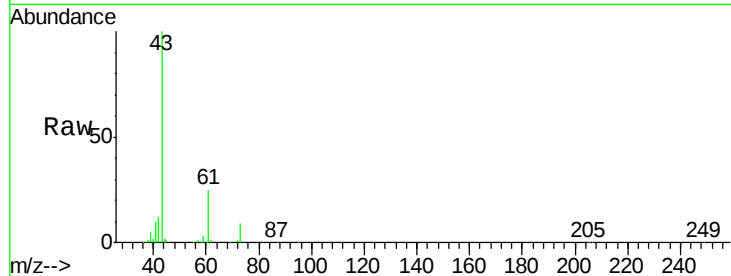


#43

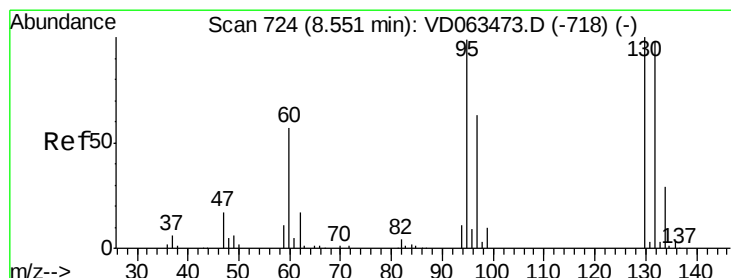
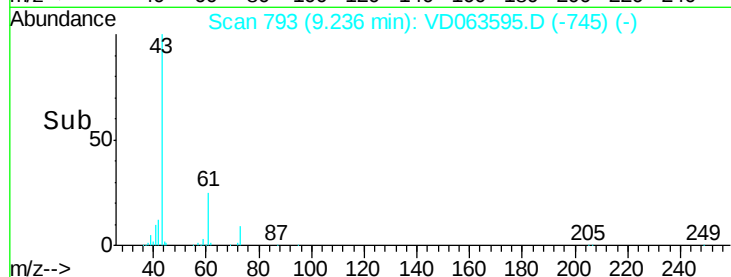
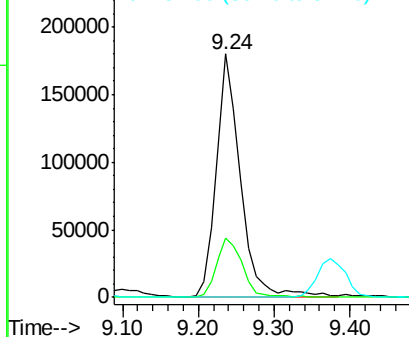
Isopropyl Acetate
 Concen: 56.942 ug/l
 RT: 9.24 min Scan# 793
 Delta R.T. -0.02 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 398362
 Ion Ratio Lower Upper
 43 100
 61 24.6 22.2 33.2
 87 0.4 0.2 0.4#



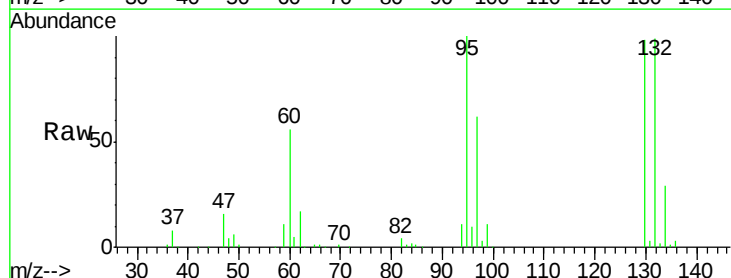
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



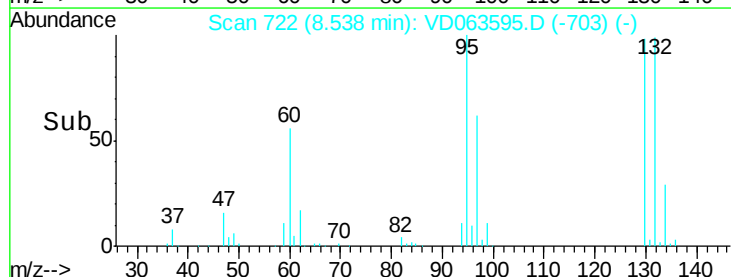
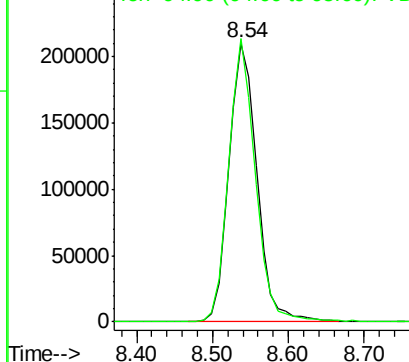
#44

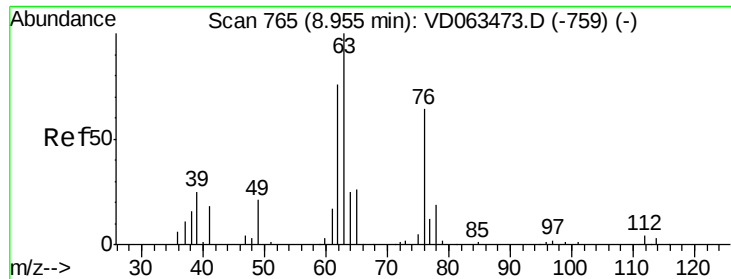
Trichloroethene
 Concen: 51.062 ug/l
 RT: 8.54 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

Tgt Ion: 130 Resp: 535402
 Ion Ratio Lower Upper
 130 100
 95 101.6 0.0 198.0



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





#45

1,2-Dichloropropane

Concen: 54.569 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

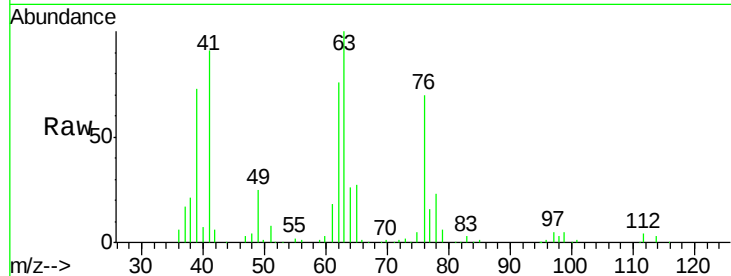
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 63 Resp: 348607

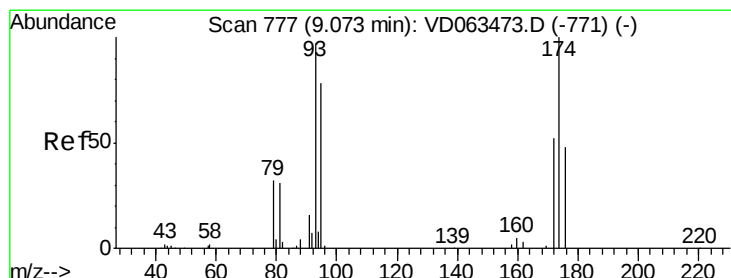
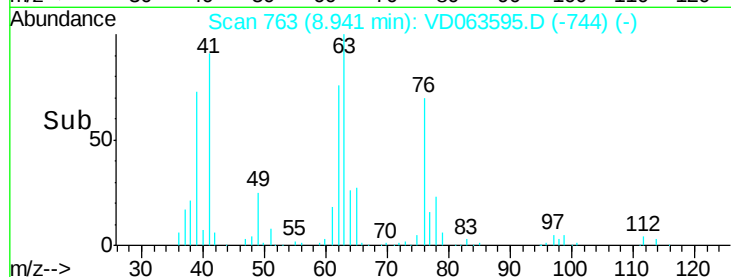
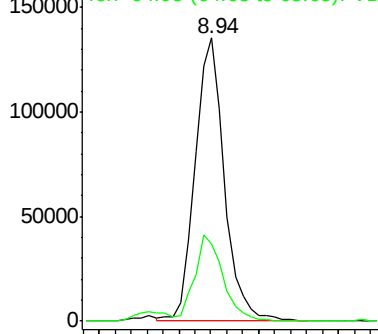
Ion Ratio Lower Upper

63 100

65 27.4 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 58.856 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

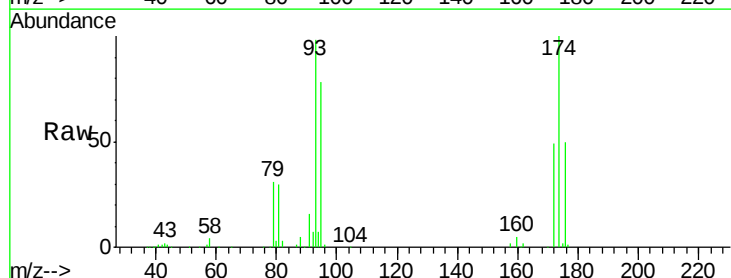
Tgt Ion: 93 Resp: 321091

Ion Ratio Lower Upper

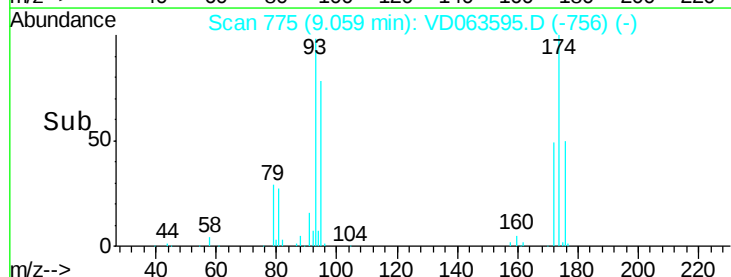
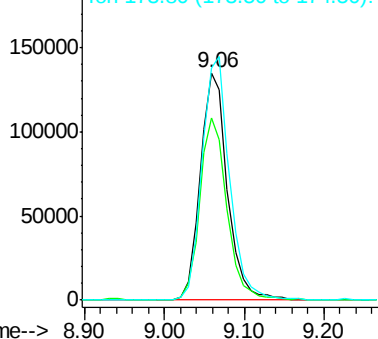
93 100

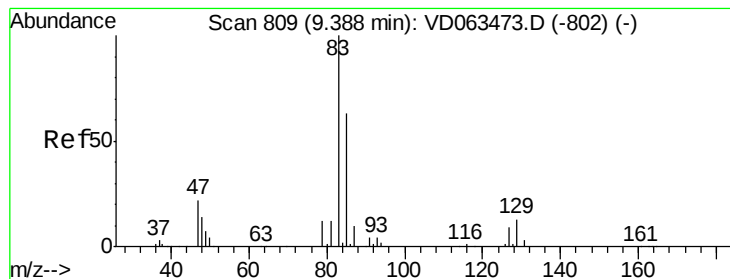
95 80.0 64.2 96.2

174 102.2 82.1 123.1



Abundance Ion 92.90 (92.60 to 93.60): VDC
Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 55.163 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :

MSVOA_D

ClientSampleId :

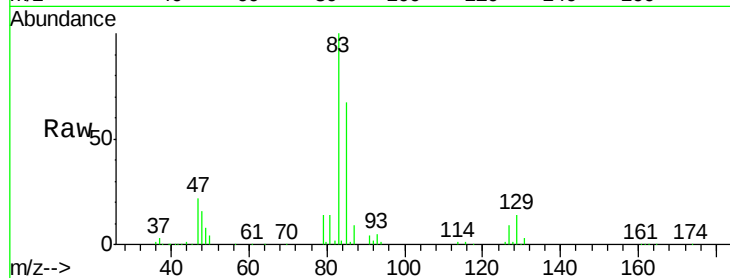
Tot Ion: 83 Resp: 771949

Ion Ratio Lower Upper

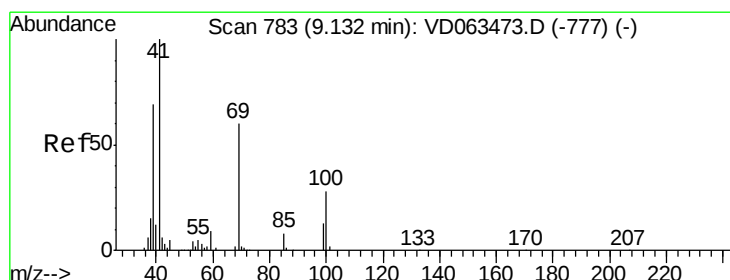
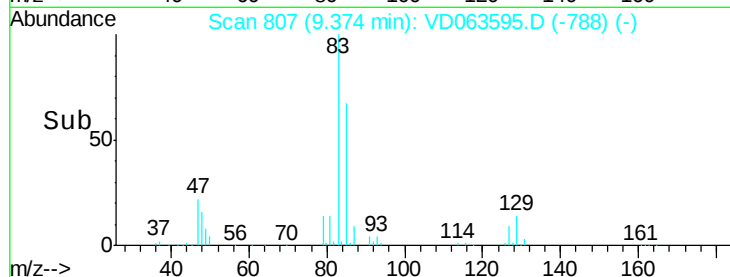
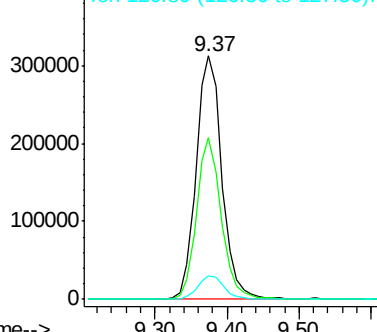
83 100

85 66.7 50.1 75.1

127 9.4 7.6 11.4



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: 56.230 ug/l

RT: 9.12 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

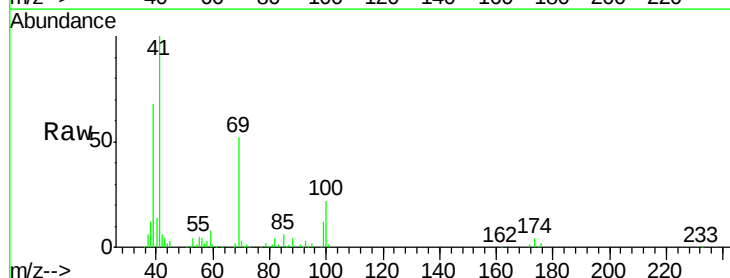
Tgt Ion: 41 Resp: 266782

Ion Ratio Lower Upper

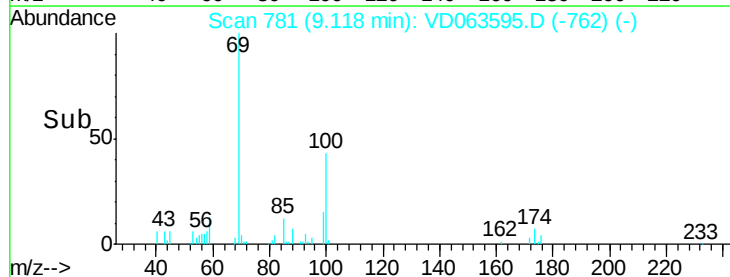
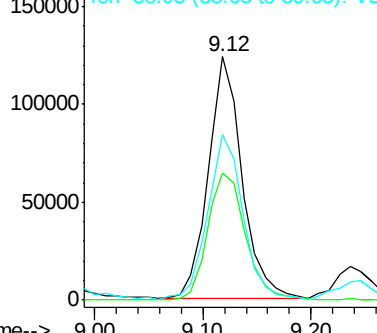
41 100

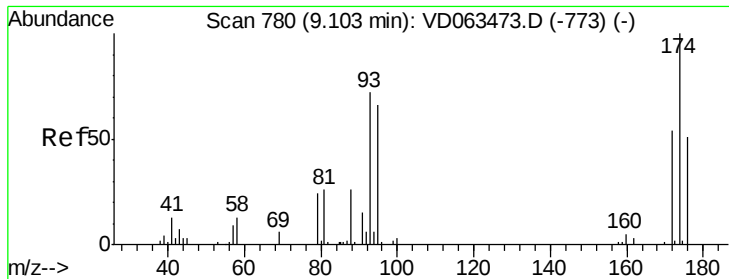
69 52.3 47.6 71.4

39 68.2 55.7 83.5



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

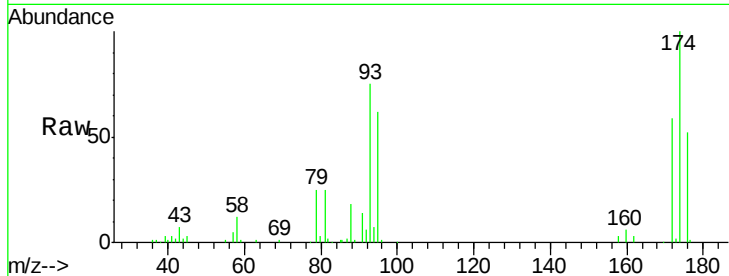




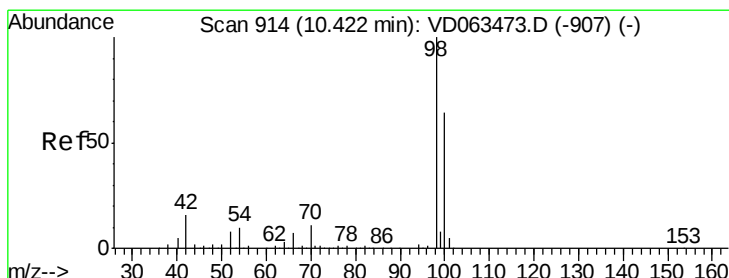
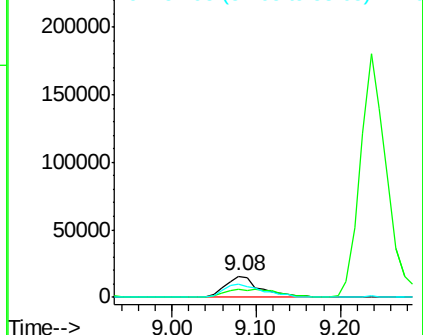
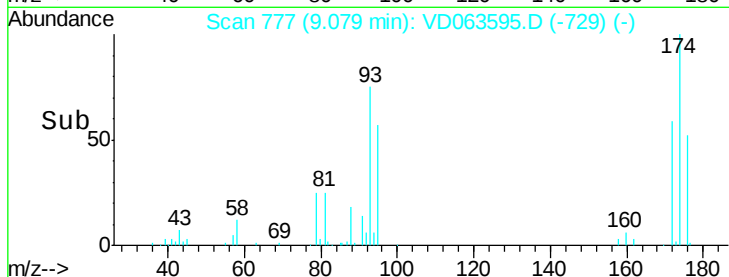
#49
1,4-Dioxane
Concen: 1073.190 ug/l
RT: 9.08 min Scan# 777
Delta R.T. -0.02 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 45547
Ion Ratio Lower Upper
88 100
43 39.1 22.9 34.3#
58 64.7 40.1 60.1#

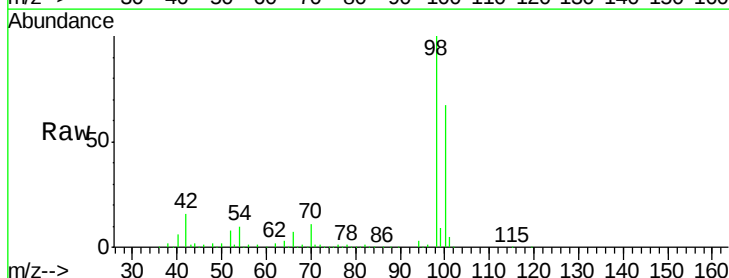


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

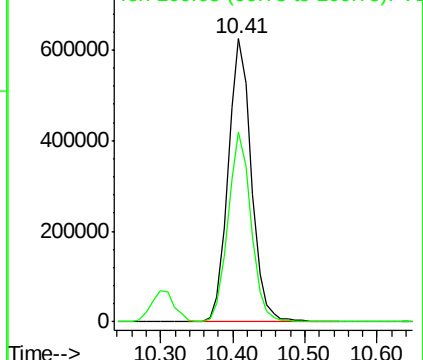
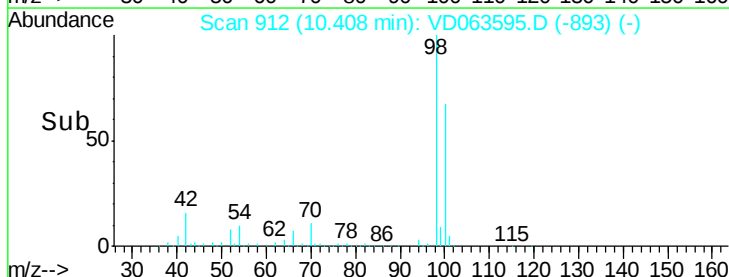


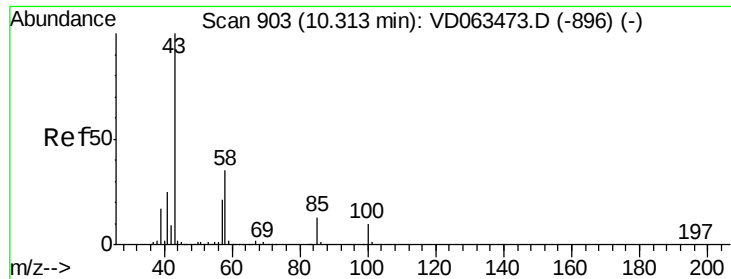
#50
Toluene-d8
Concen: 53.382 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion: 98 Resp: 1393788
Ion Ratio Lower Upper
98 100
100 67.1 51.7 77.5



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: 303.374 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :

MSVOA_D

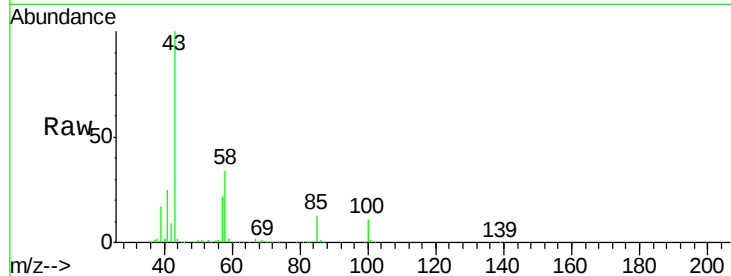
ClientSampleId :

Tot Ion: 43 Resp: 1452284

Ion Ratio Lower Upper

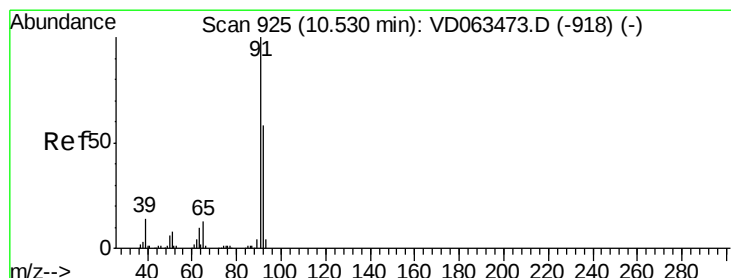
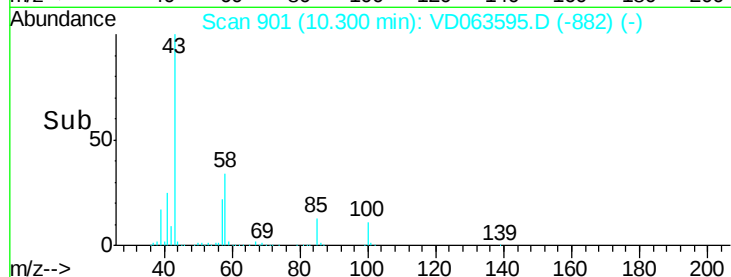
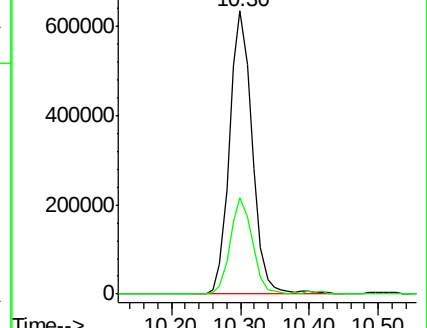
43 100

58 34.0 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.208 ug/l

RT: 10.51 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD063595.D

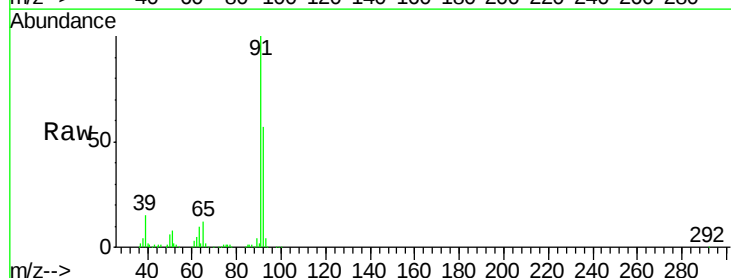
Acq: 15 Aug 2019 1:17

Tgt Ion: 92 Resp: 922476

Ion Ratio Lower Upper

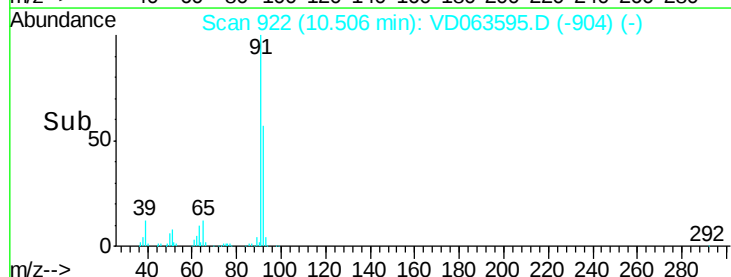
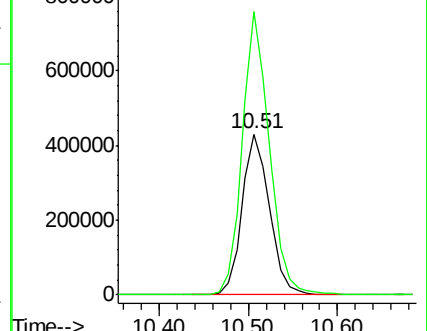
92 100

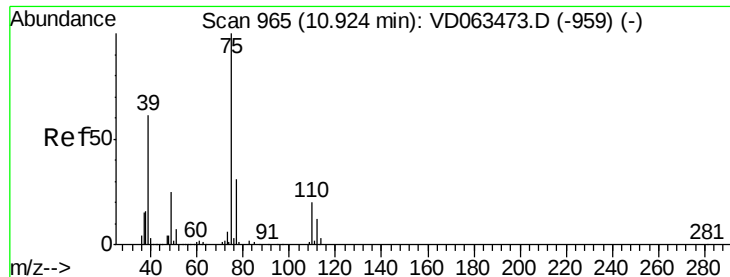
91 176.0 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 55.257 ug/l

RT: 10.91 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :

MSVOA_D

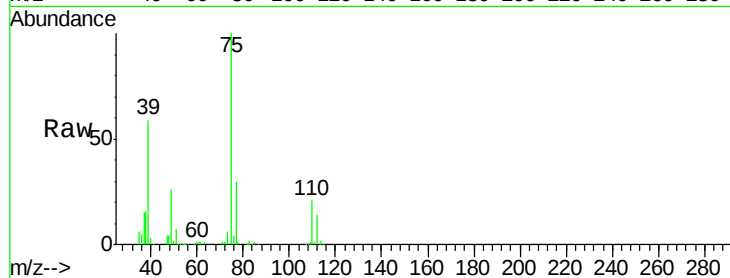
ClientSampleId :

Tot Ion: 75 Resp: 631064

Ion Ratio Lower Upper

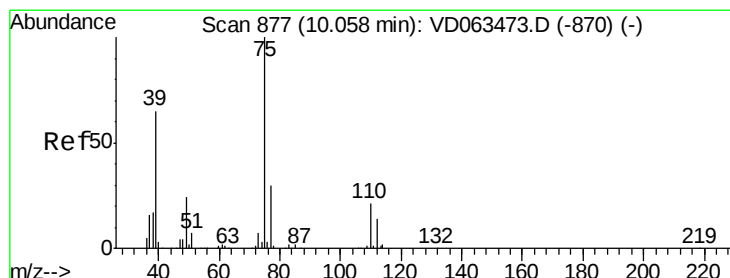
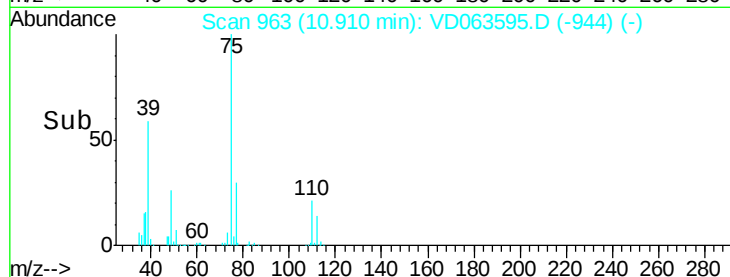
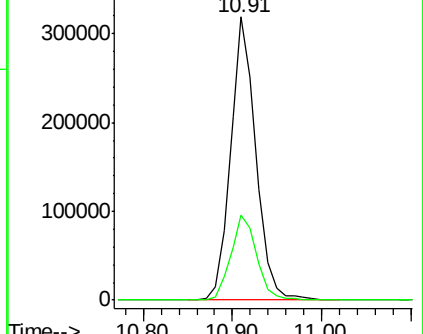
75 100

77 29.9 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 53.639 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.02 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

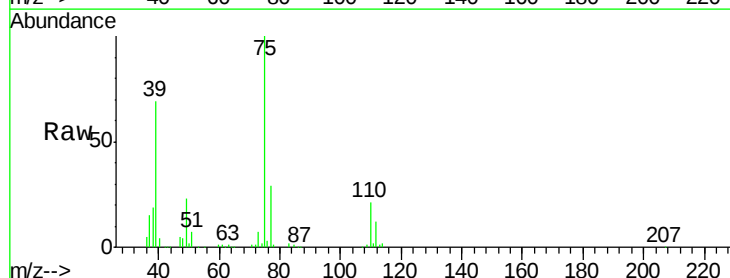
Tgt Ion: 75 Resp: 690739

Ion Ratio Lower Upper

75 100

77 29.2 23.7 35.5

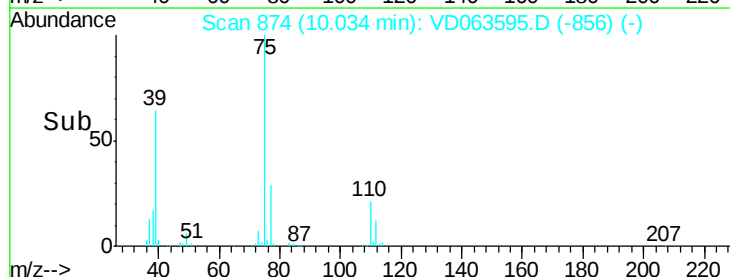
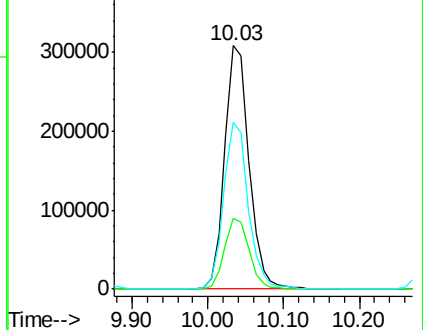
39 68.5 52.2 78.4

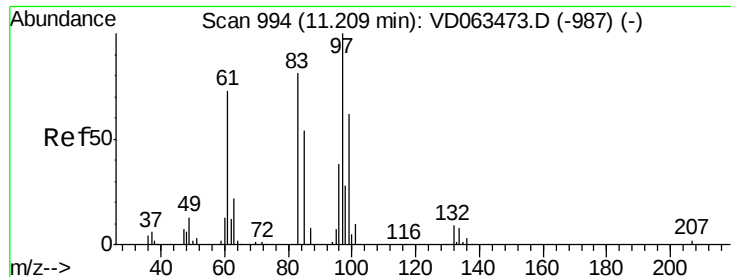


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

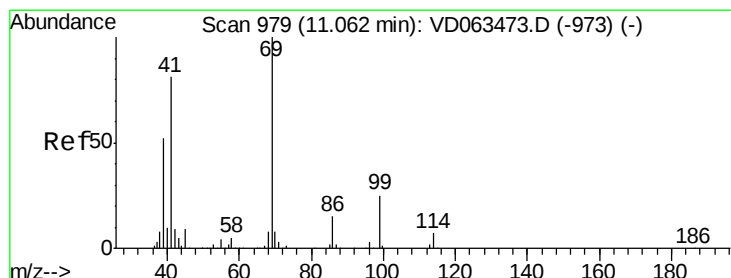
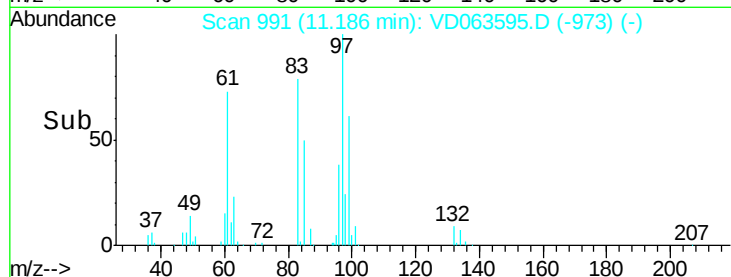
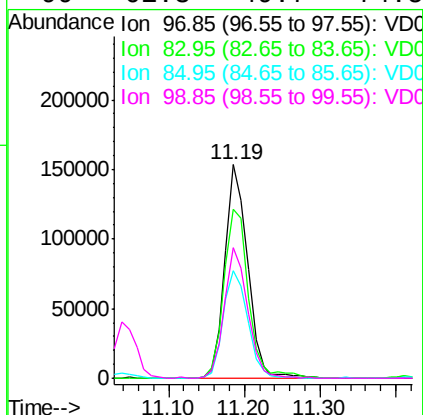
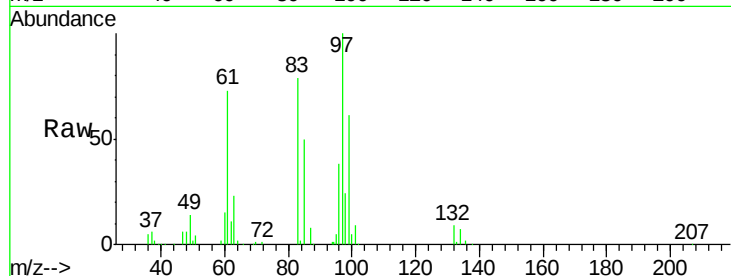




#55
 1,1,2-Trichloroethane
 Concen: 53.739 ug/l
 RT: 11.19 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

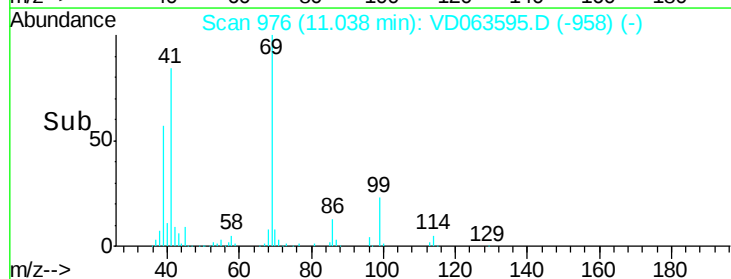
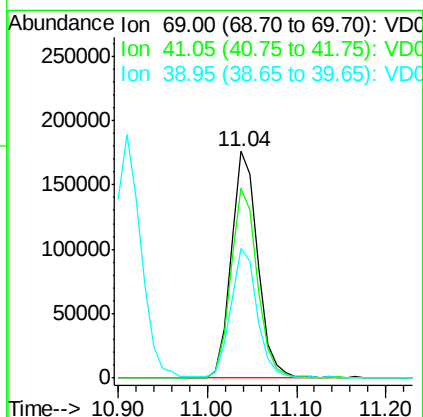
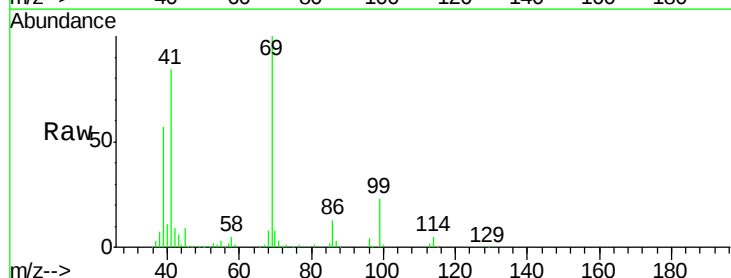
Instrument :
 MSVOA_D
 ClientSampleId :

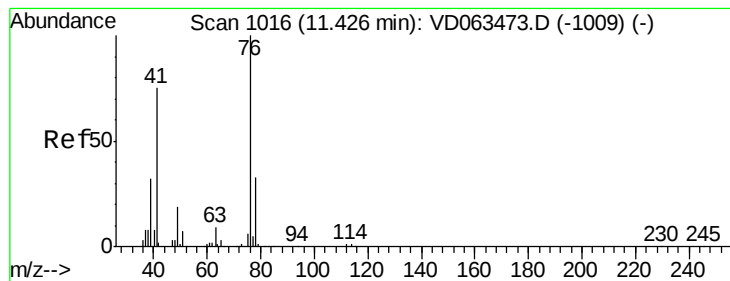
Tot Ion:	97	Resp:	320744
Ion	Ratio	Lower	Upper
97	100		
83	78.8	64.7	97.1
85	50.3	42.9	64.3
99	61.3	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 56.850 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. -0.02 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

Tgt Ion:	69	Resp:	368287
Ion	Ratio	Lower	Upper
69	100		
41	83.9	64.8	97.2
39	57.4	42.4	63.6





#57

1,3-Dichloropropane

Concen: 54.615 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.02 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :

MSVOA_D

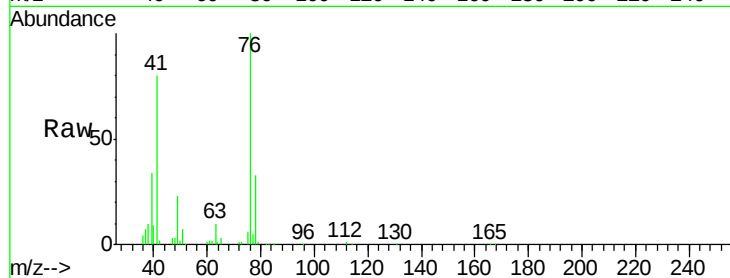
ClientSampleId :

Tot Ion: 76 Resp: 492732

Ion Ratio Lower Upper

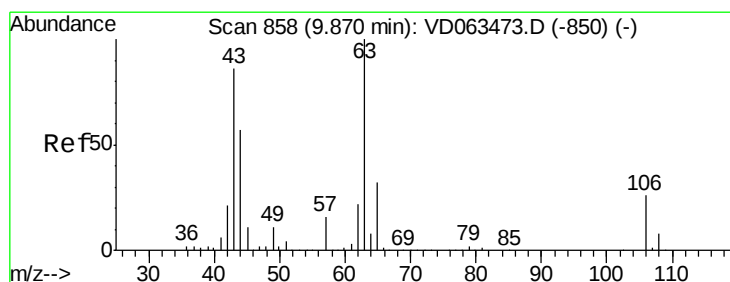
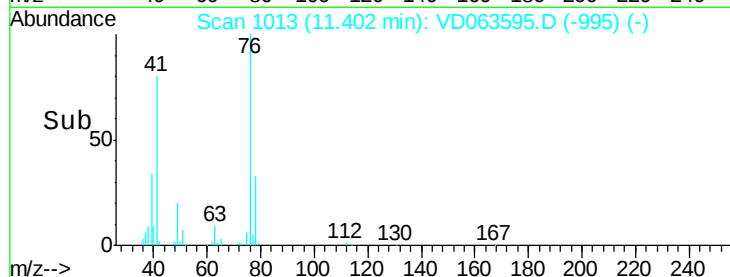
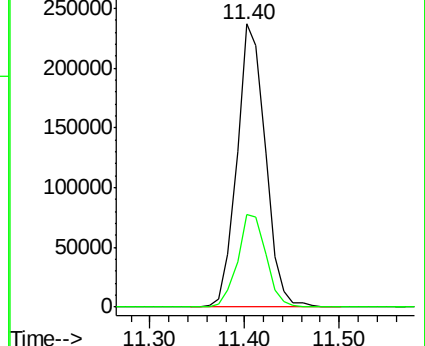
76 100

78 32.6 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 276.830 ug/l

RT: 9.86 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD063595.D

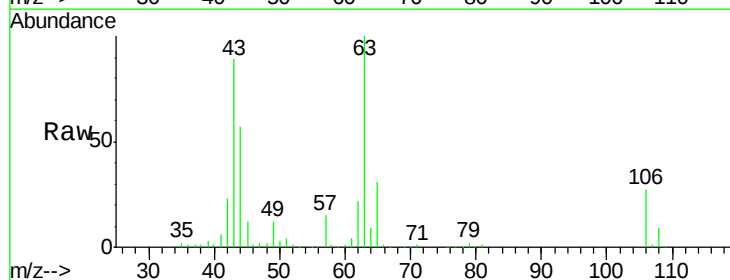
Acq: 15 Aug 2019 1:17

Tgt Ion: 63 Resp: 946778

Ion Ratio Lower Upper

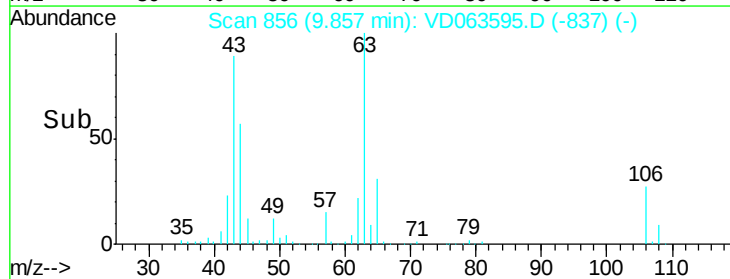
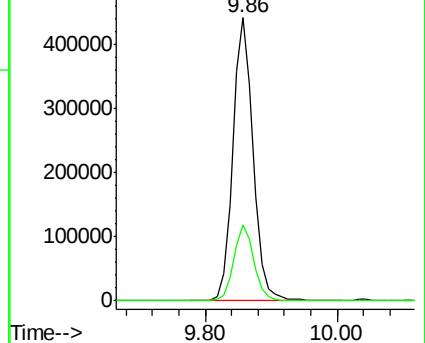
63 100

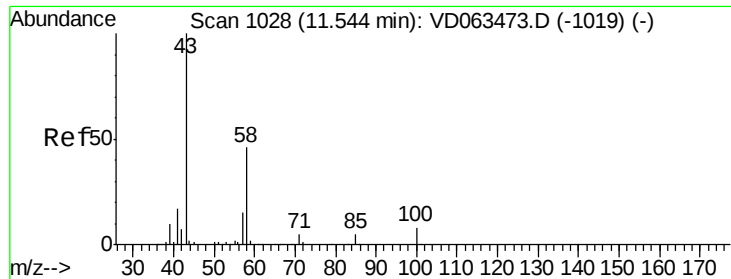
106 27.1 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

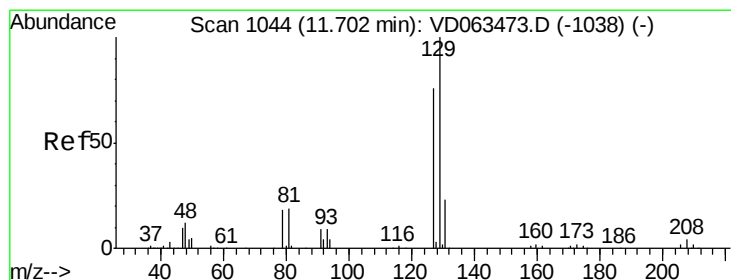
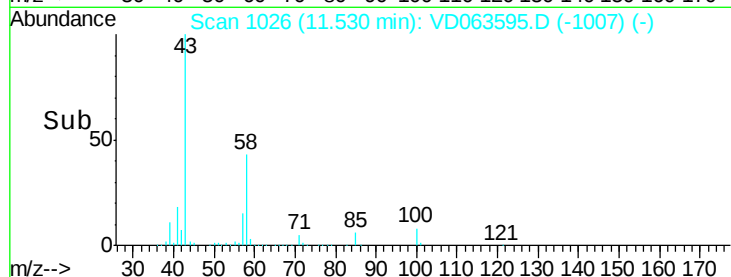
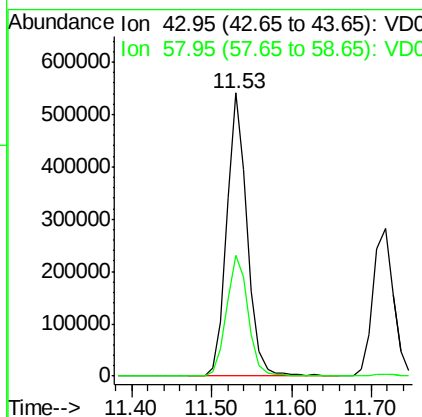
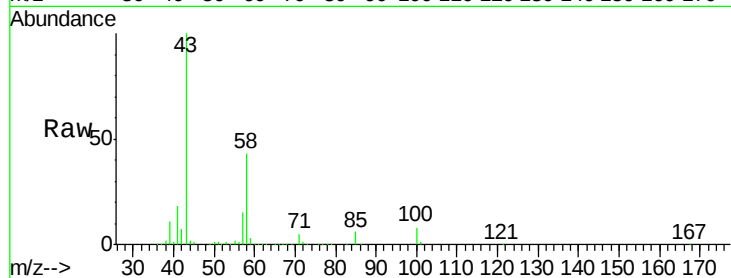




#59
2-Hexanone
Concen: 278.892 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

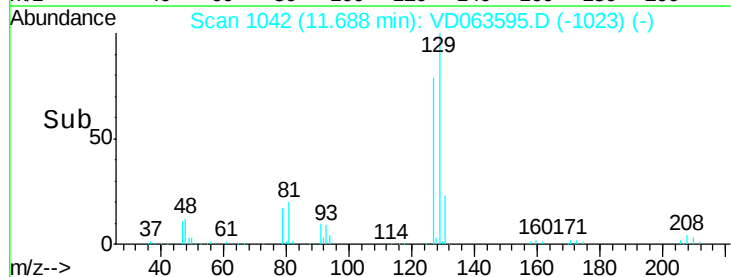
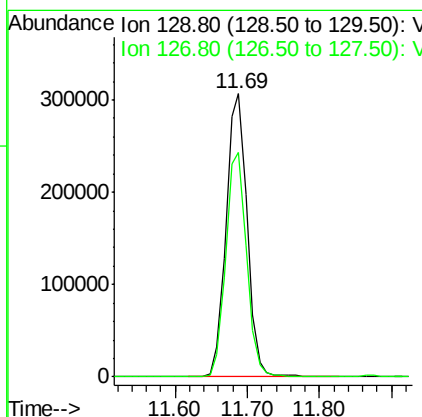
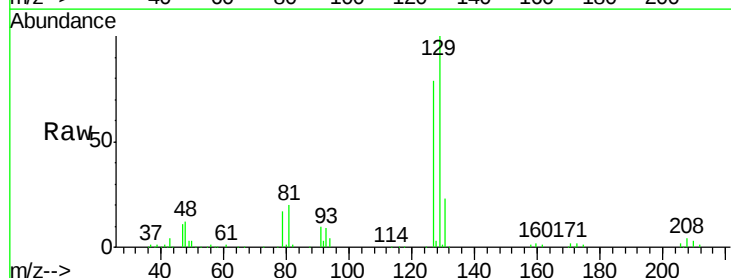
Instrument :
MSVOA_D
ClientSampleId :

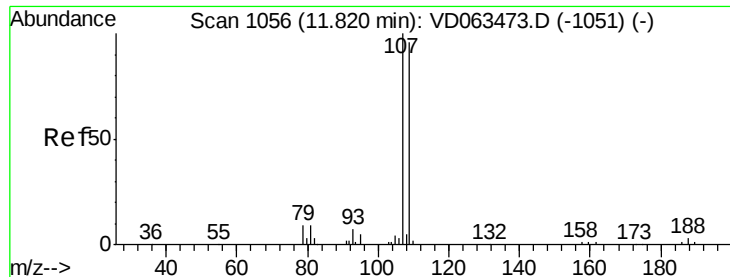
Tot Ion: 43 Resp: 971447
Ion Ratio Lower Upper
43 100
58 42.9 23.1 69.2



#60
Dibromochloromethane
Concen: 57.138 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion: 129 Resp: 620555
Ion Ratio Lower Upper
129 100
127 79.4 37.8 113.4

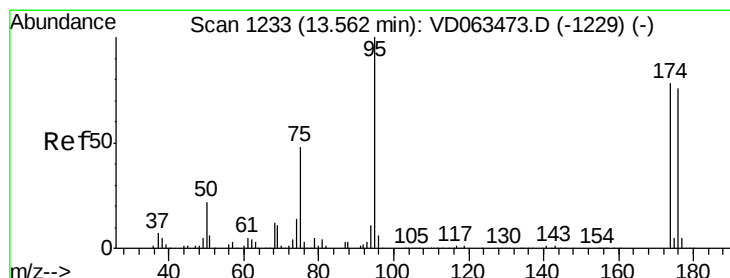
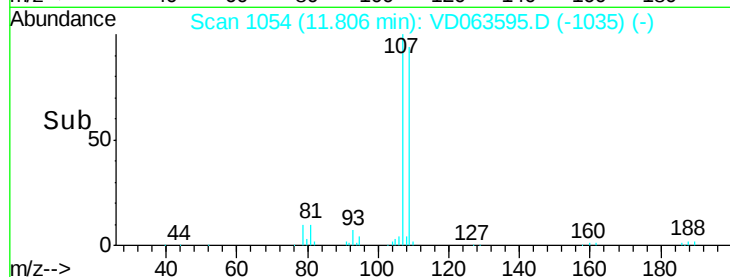
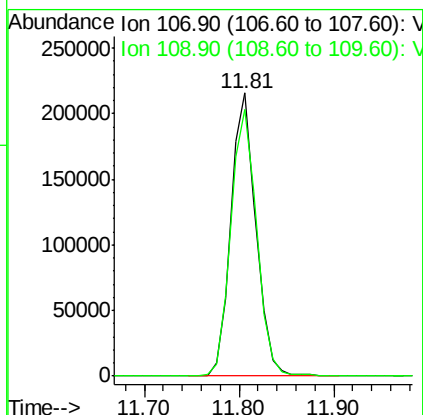
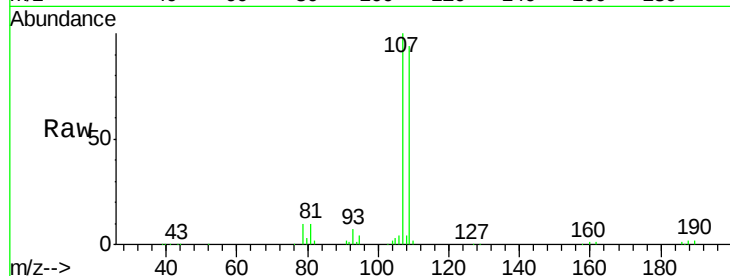




#61
 1,2-Dibromoethane
 Concen: 54.668 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

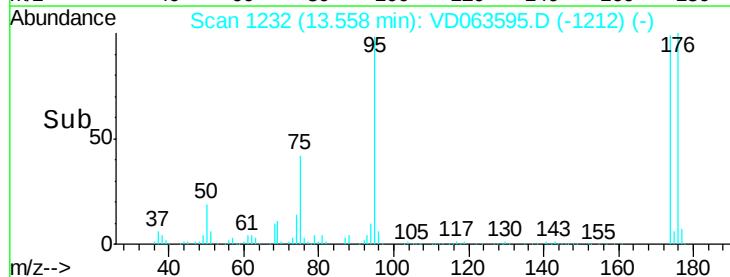
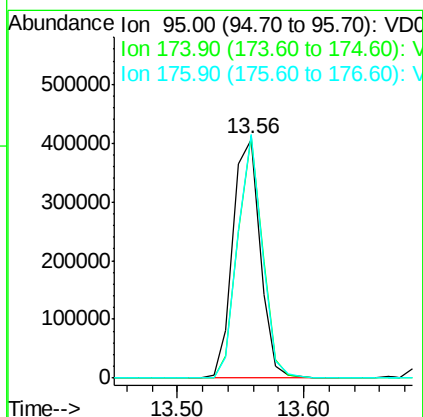
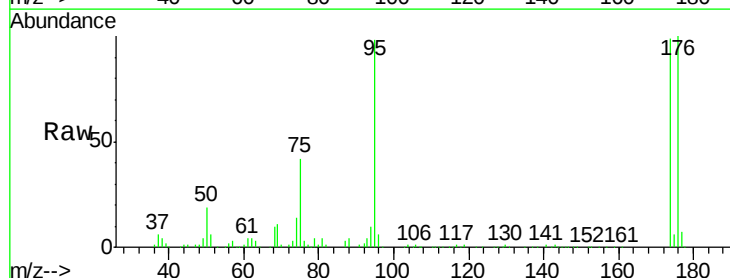
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 107 Resp: 395002
 Ion Ratio Lower Upper
 107 100
 109 94.4 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 51.399 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

Tgt Ion: 95 Resp: 608265
 Ion Ratio Lower Upper
 95 100
 174 101.5 0.0 155.4
 176 102.0 0.0 152.4

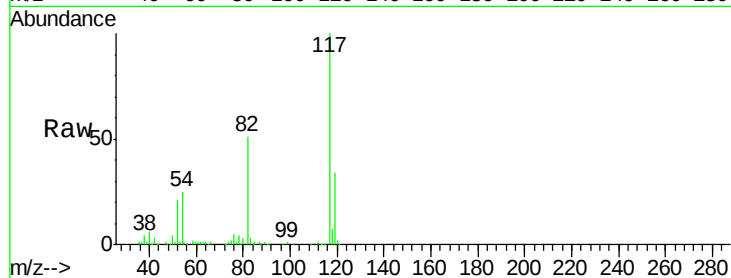




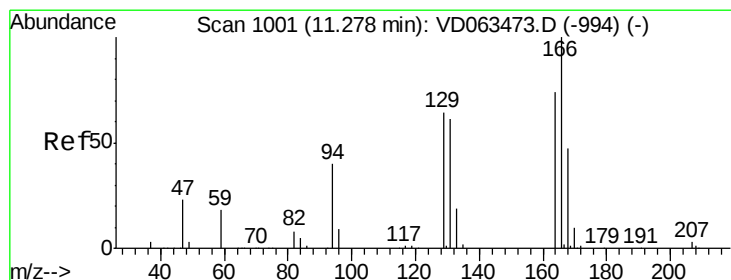
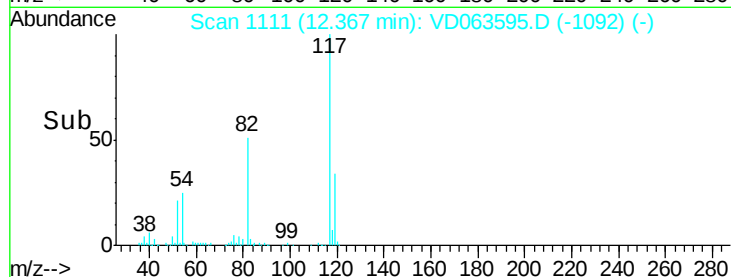
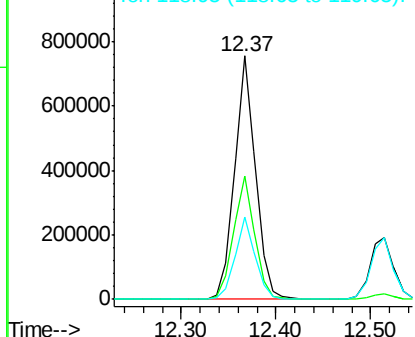
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1159764
Ion Ratio Lower Upper
117 100
82 50.7 42.0 63.0
119 33.6 25.4 38.0

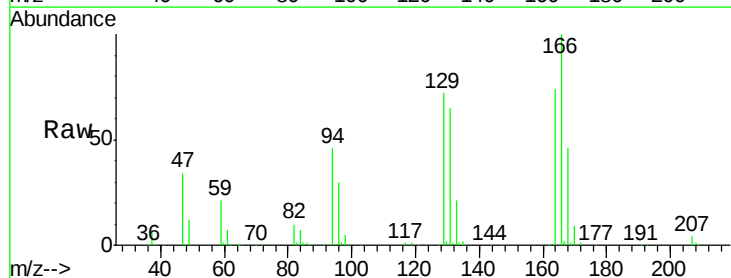


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

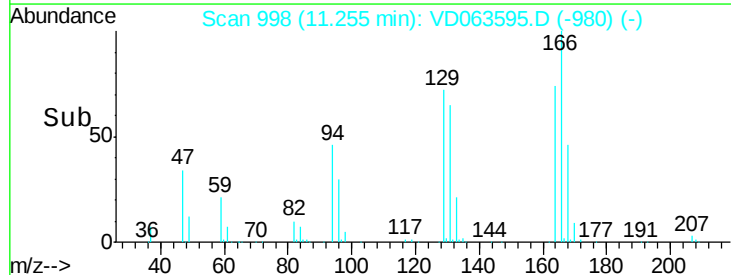
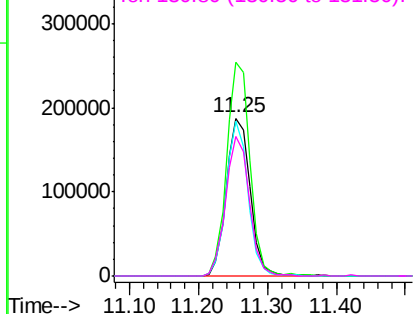


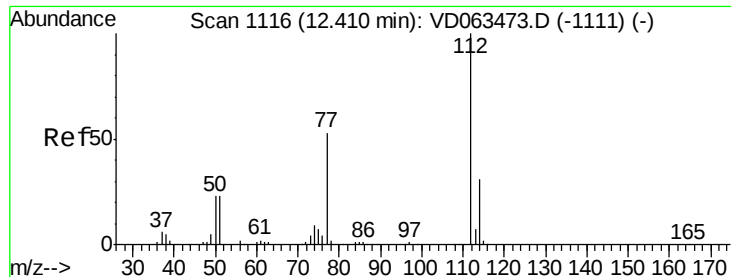
#64
Tetrachloroethene
Concen: 50.232 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion:164 Resp: 449730
Ion Ratio Lower Upper
164 100
166 135.4 108.6 163.0
129 98.0 69.0 103.6
131 88.5 66.6 99.8



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

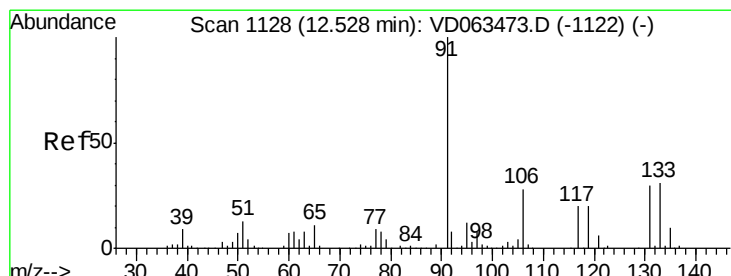
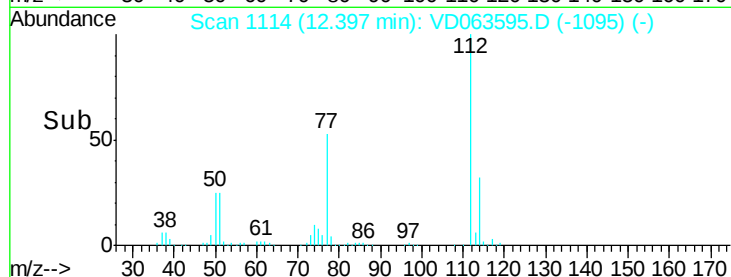
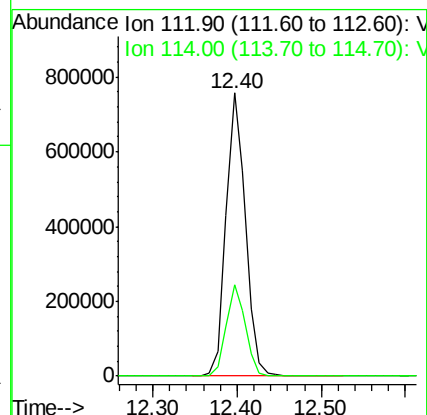
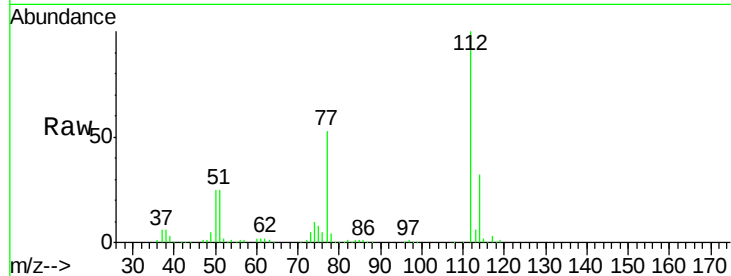




#65
Chlorobenzene
Concen: 55.713 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

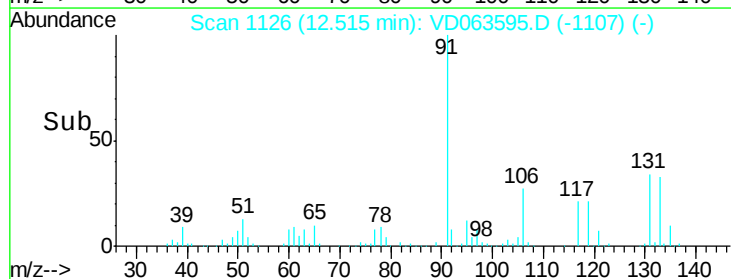
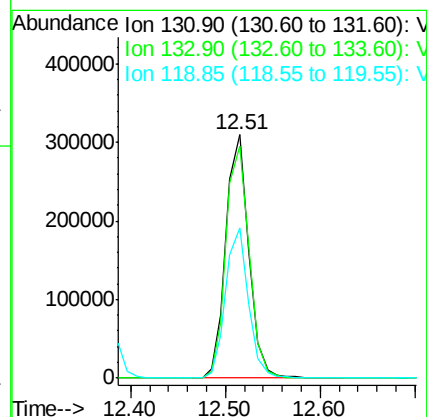
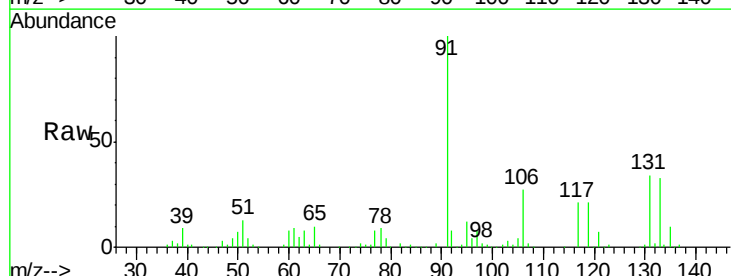
Instrument :
MSVOA_D
ClientSampled :

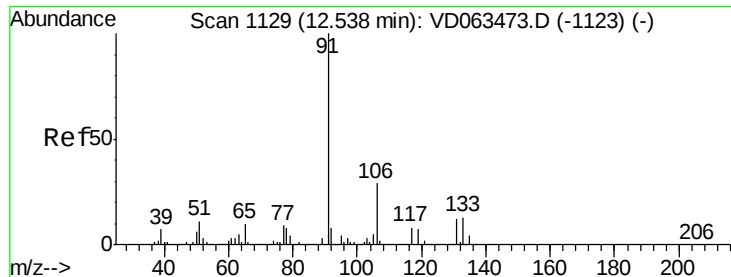
Tot Ion:112 Resp: 1211017
Ion Ratio Lower Upper
112 100
114 32.5 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 54.244 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion:131 Resp: 518915
Ion Ratio Lower Upper
131 100
133 95.4 51.1 153.3
119 61.7 33.1 99.3

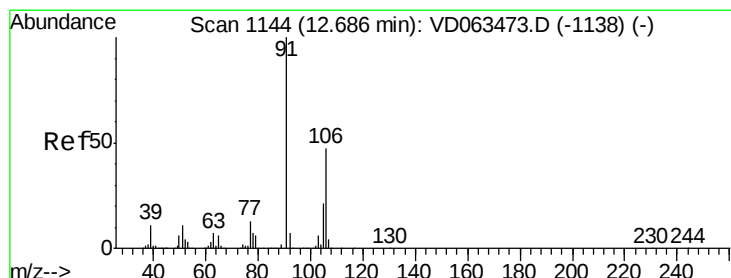
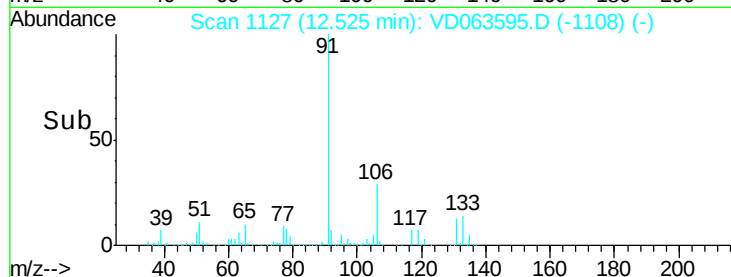
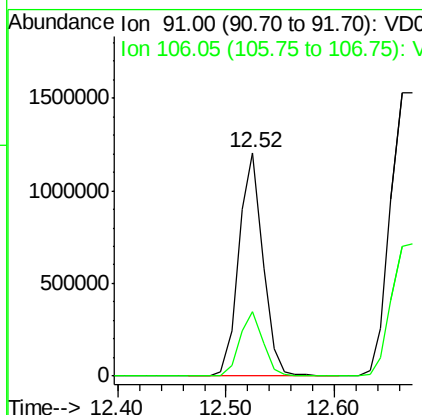
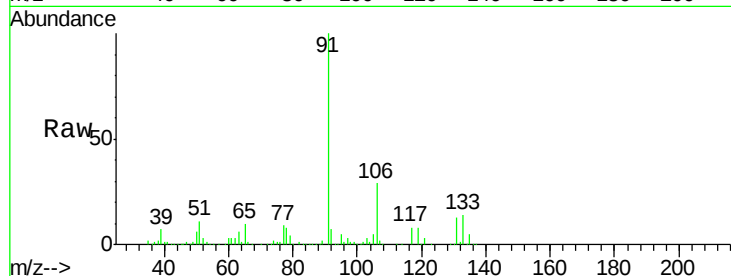




#67
Ethyl Benzene
Concen: 49.441 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

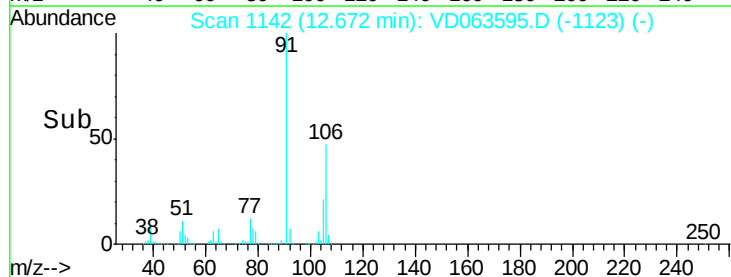
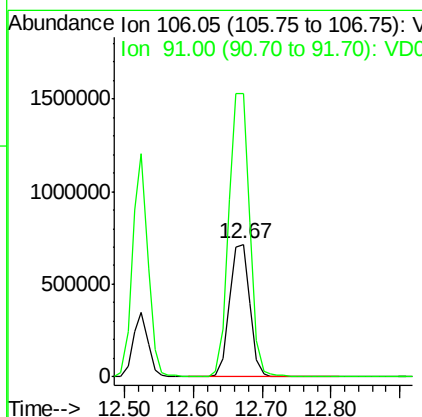
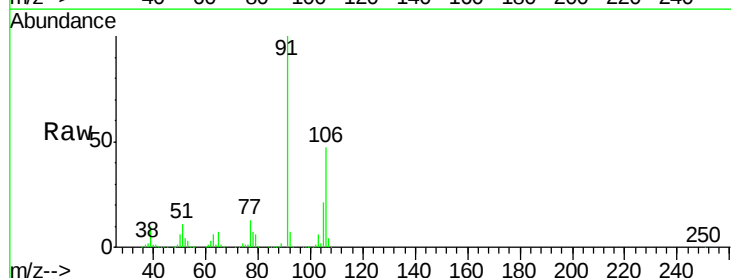
Instrument :
MSVOA_D
ClientSampleId :

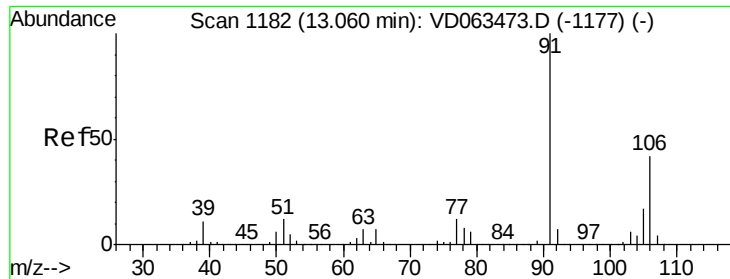
Tot Ion: 91 Resp: 1868615
Ion Ratio Lower Upper
91 100
106 29.0 23.1 34.7



#68
m/p-Xylenes
Concen: 110.019 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion: 106 Resp: 1460887
Ion Ratio Lower Upper
106 100
91 213.2 171.8 257.8

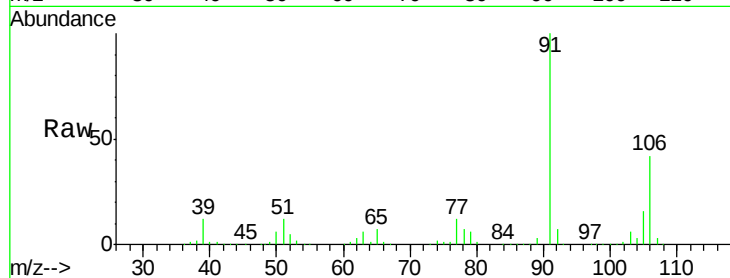




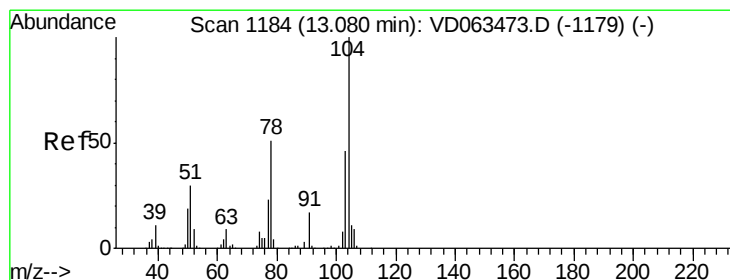
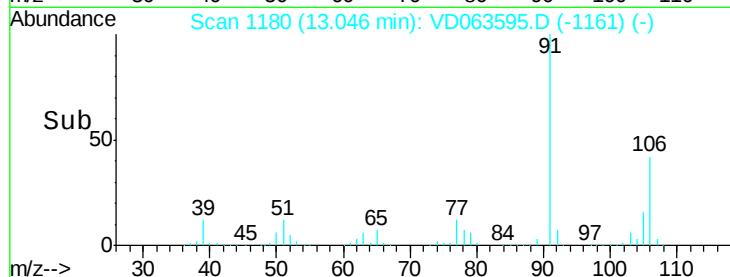
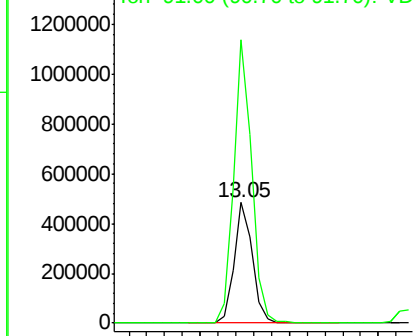
#69
o-Xylene
Concen: 54.982 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 702679
Ion Ratio Lower Upper
106 100
91 235.4 118.1 354.2

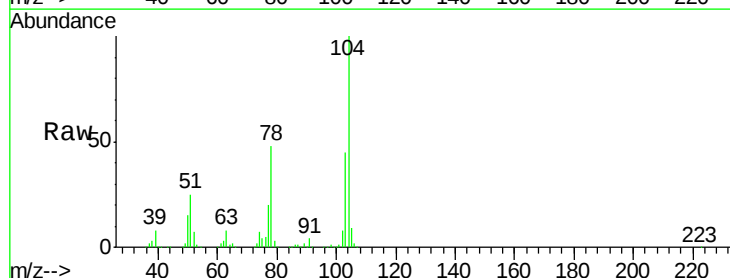


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

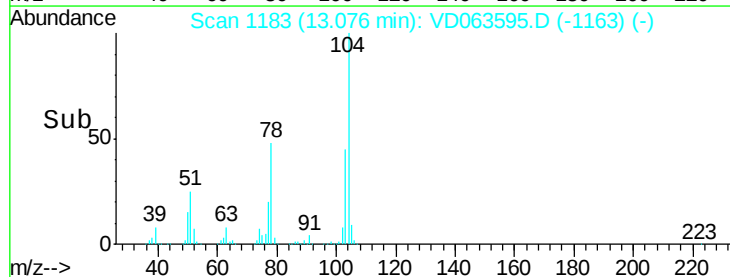
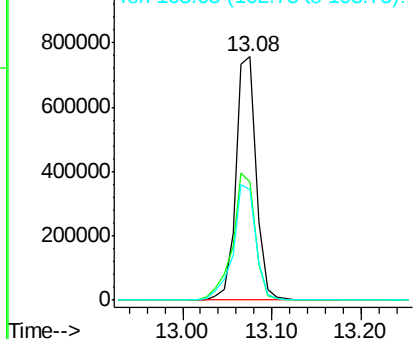


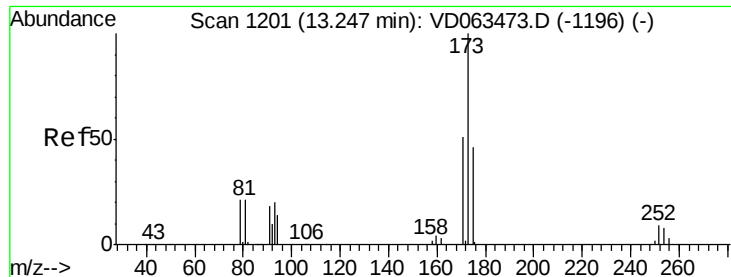
#70
Styrene
Concen: 53.168 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion:104 Resp: 1208678
Ion Ratio Lower Upper
104 100
78 48.4 40.8 61.2
103 45.5 36.4 54.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 59.889 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :

MSVOA_D

ClientSampleId :

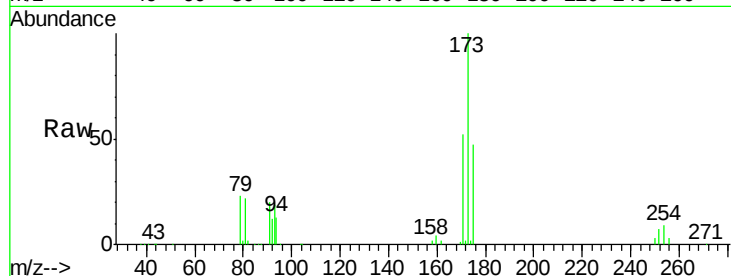
Tot Ion:173 Resp: 392843

Ion Ratio Lower Upper

173 100

175 47.1 22.8 68.3

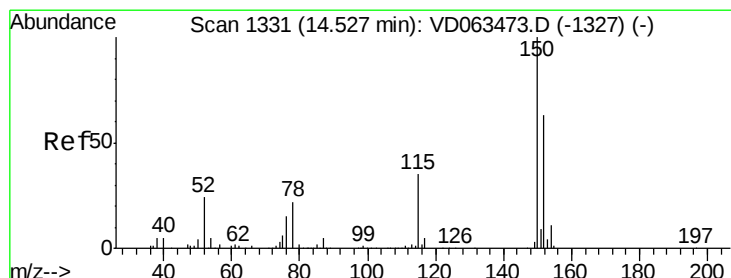
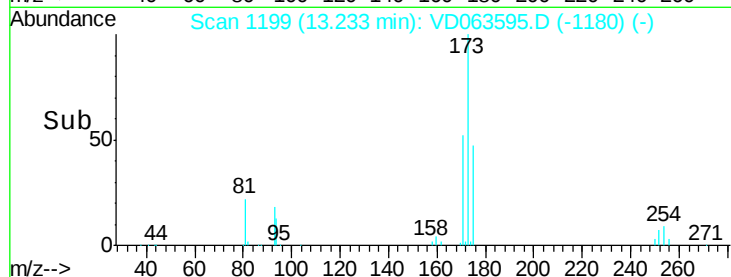
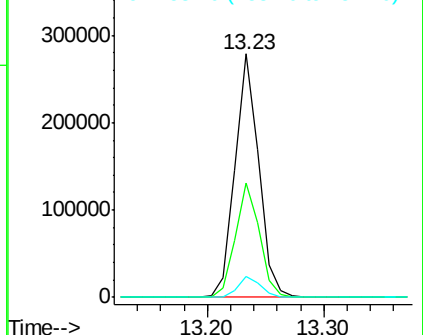
254 8.8 6.6 9.8



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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

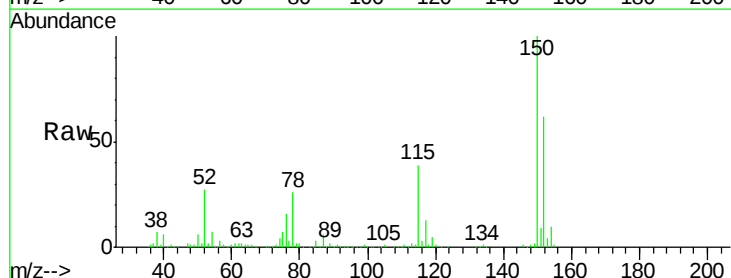
Tgt Ion:152 Resp: 667064

Ion Ratio Lower Upper

152 100

115 62.0 30.9 92.7

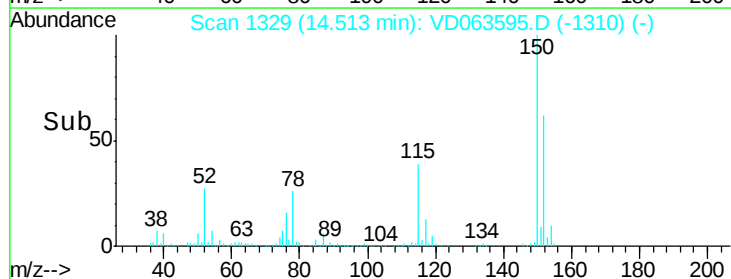
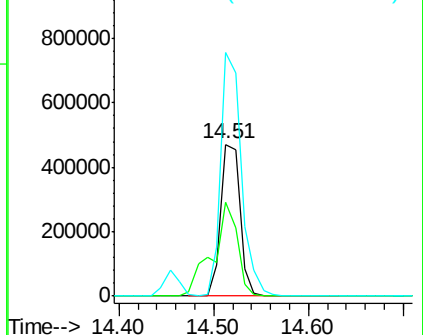
150 160.7 0.0 318.6

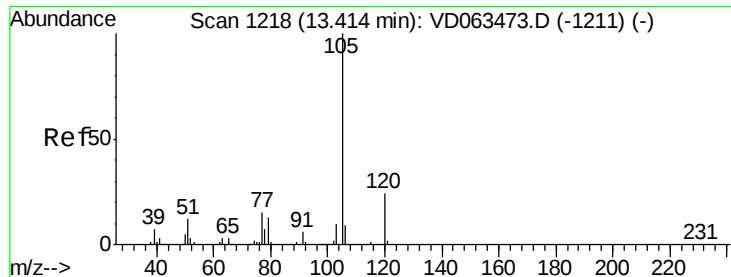


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

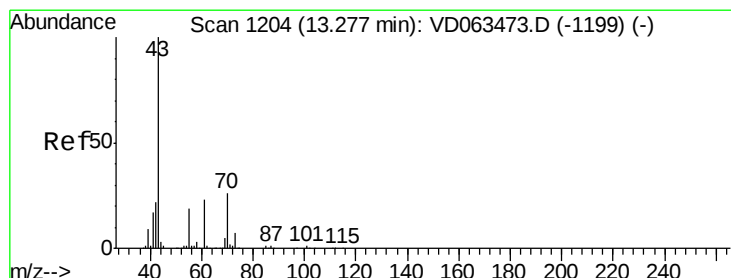
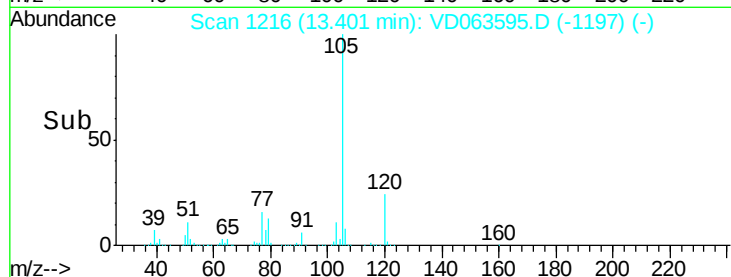
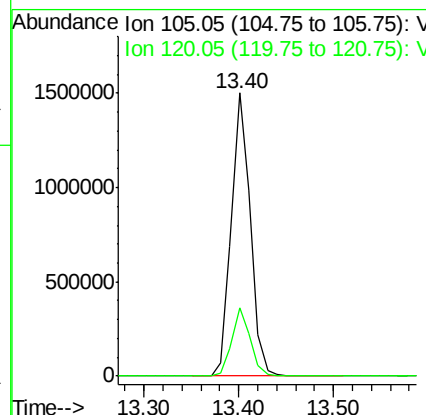
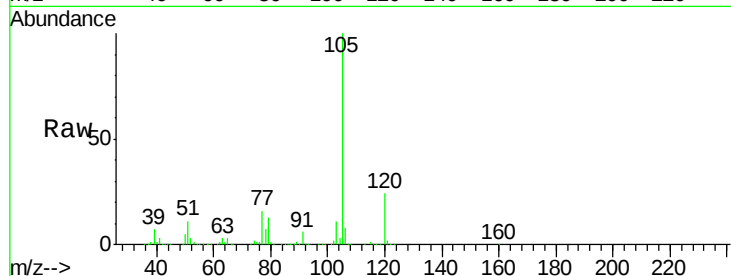




#73
Isopropylbenzene
Concen: 48.974 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

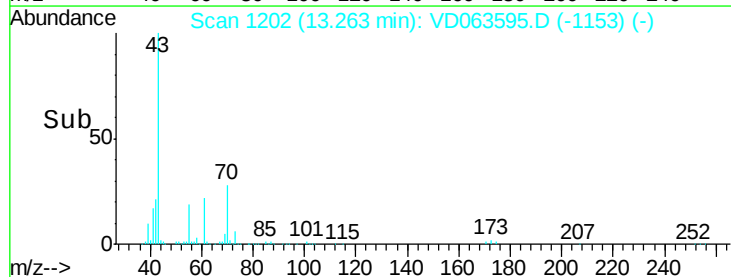
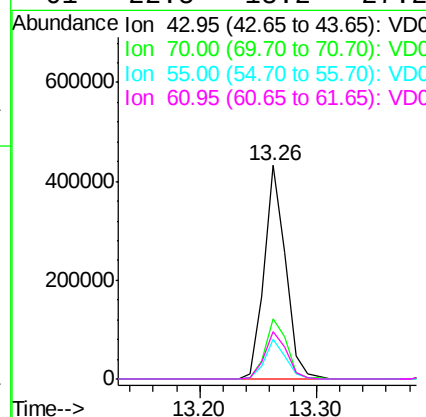
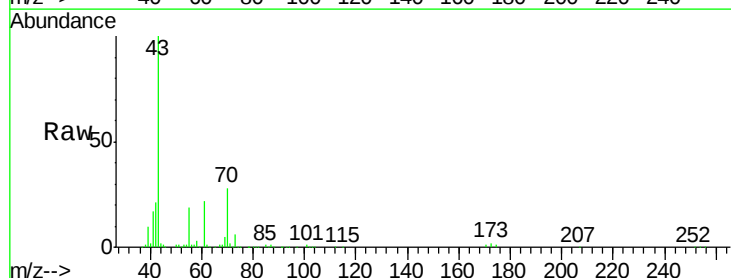
Instrument :
MSVOA_D
ClientSampleId :

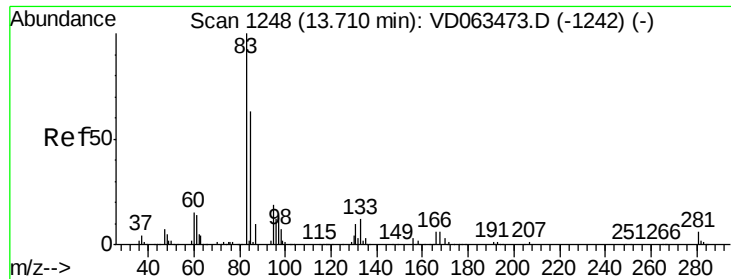
Tot Ion:105 Resp: 2077936
Ion Ratio Lower Upper
105 100
120 24.0 11.9 35.9



#74
N-ethyl acetate
Concen: 51.507 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion: 43 Resp: 548601
Ion Ratio Lower Upper
43 100
70 28.0 21.1 31.7
55 18.7 15.4 23.0
61 22.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.949 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :

MSVOA_D

ClientSampleId :

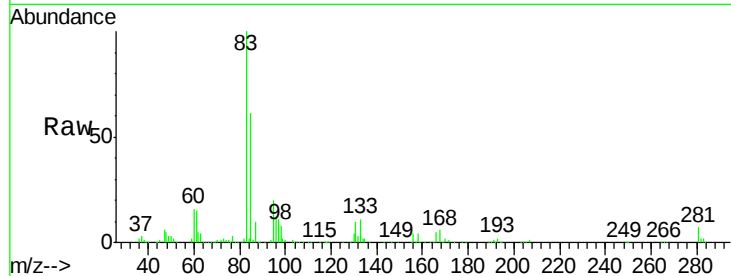
Tot Ion: 83 Resp: 365848

Ion Ratio Lower Upper

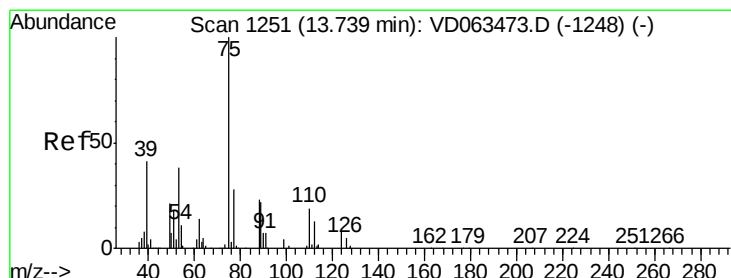
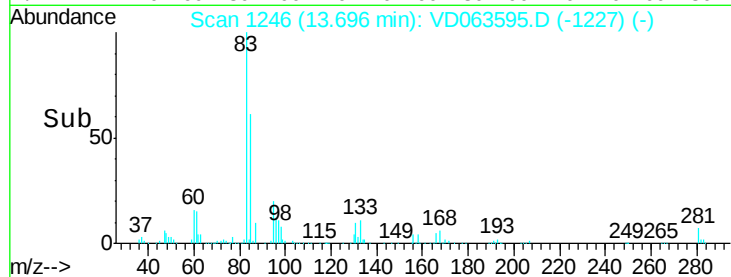
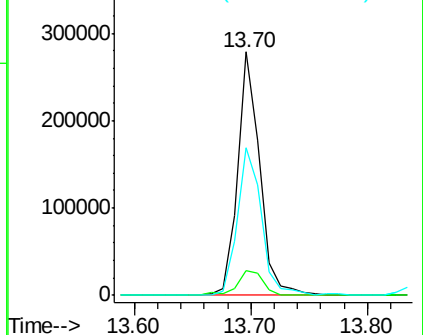
83 100

131 10.3 5.3 15.8

85 60.5 31.4 94.3



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: 51.560 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063595.D

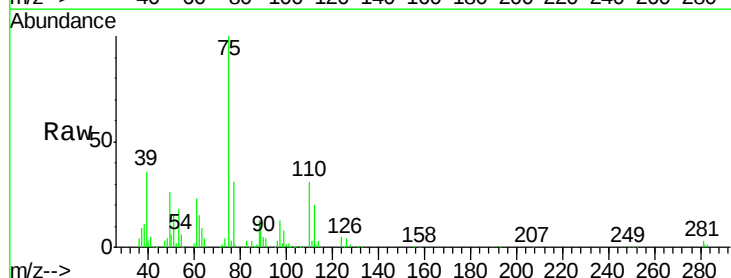
Acq: 15 Aug 2019 1:17

Tgt Ion: 75 Resp: 394725

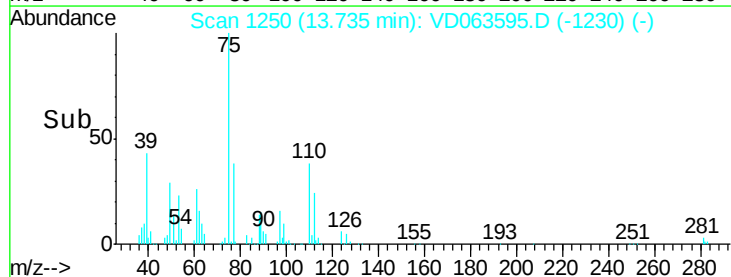
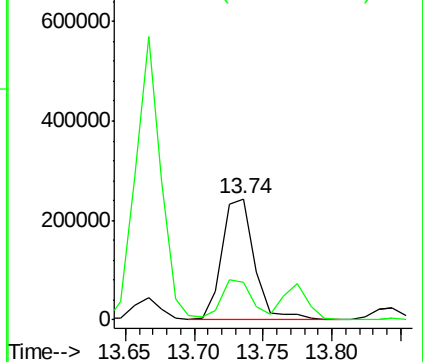
Ion Ratio Lower Upper

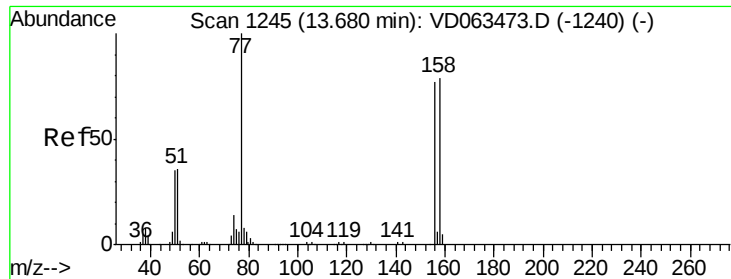
75 100

77 31.4 15.1 45.3



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

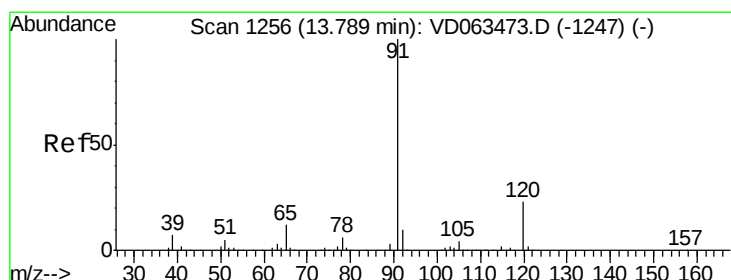
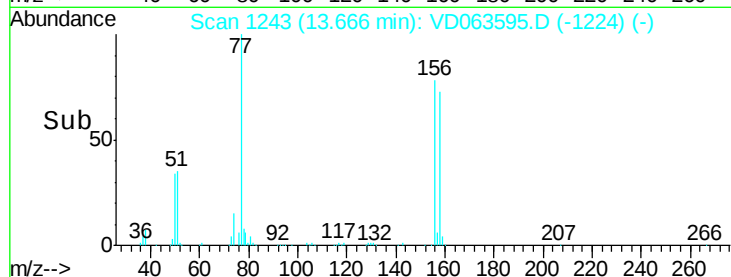
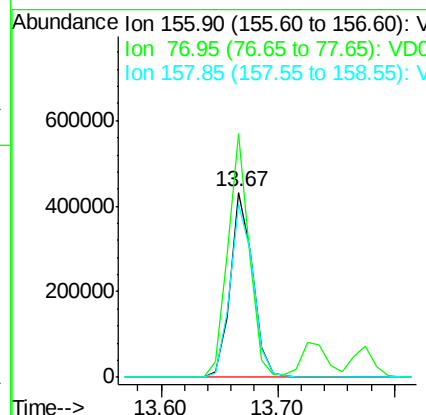
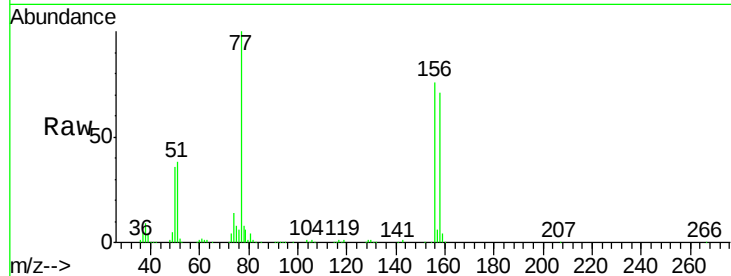




#77
Bromobenzene
Concen: 49.479 ug/l
RT: 13.67 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

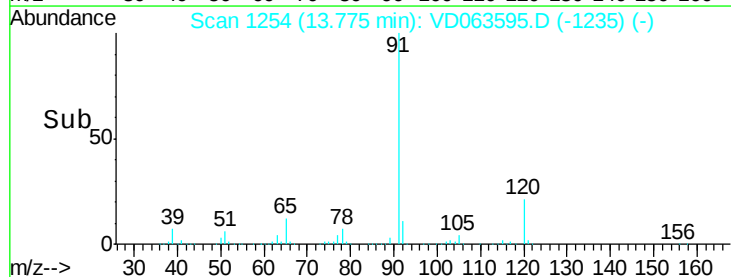
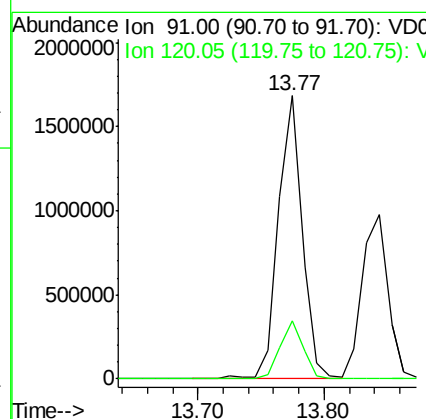
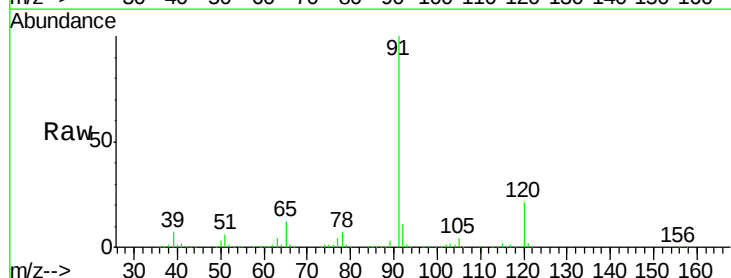
Instrument :
MSVOA_D
ClientSampleId :

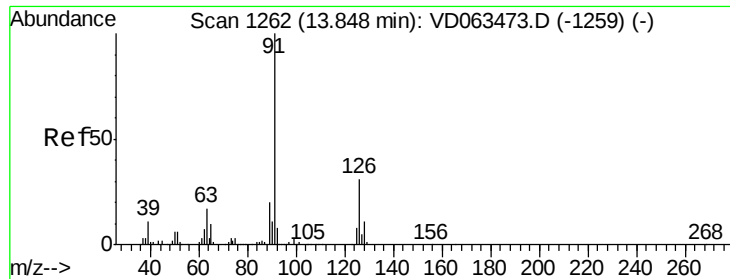
Tot Ion:156 Resp: 573756
Ion Ratio Lower Upper
156 100
77 131.7 64.6 193.8
158 93.6 50.9 152.7



#78
n-propylbenzene
Concen: 44.715 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion: 91 Resp: 2219807
Ion Ratio Lower Upper
91 100
120 20.6 11.3 33.9

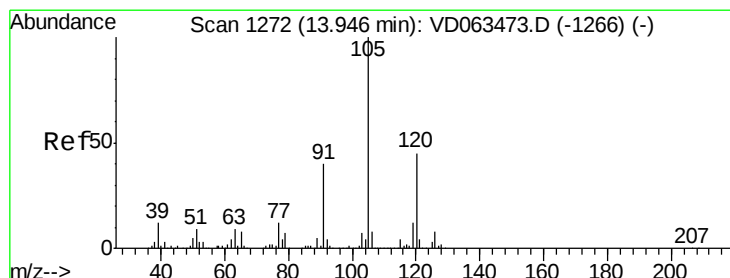
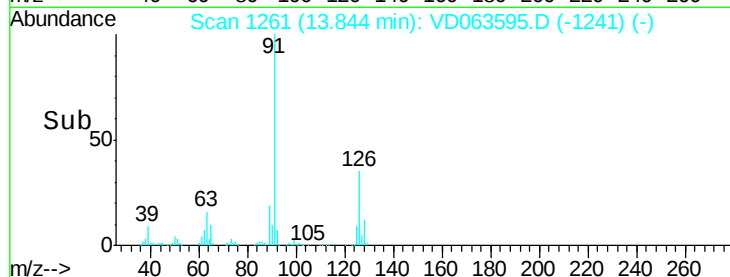
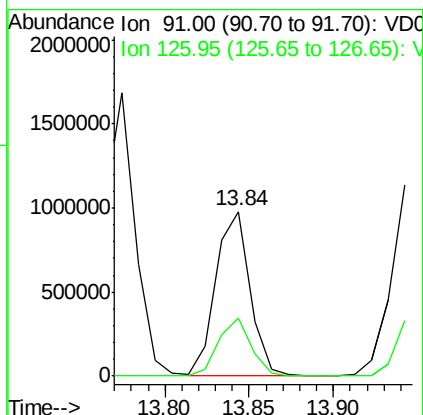
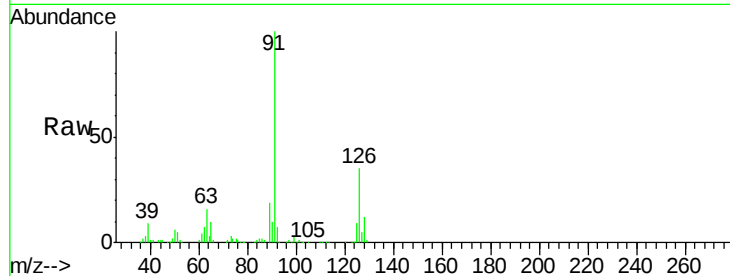




#79
 2-Chlorotoluene
 Concen: 48.247 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

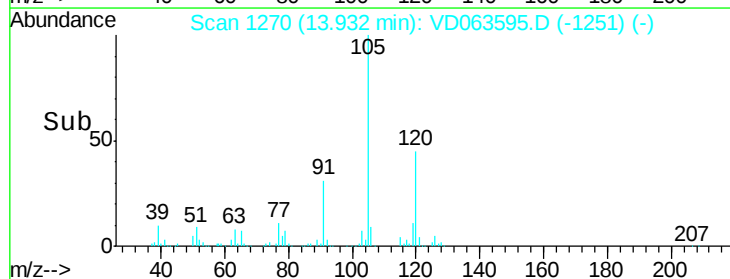
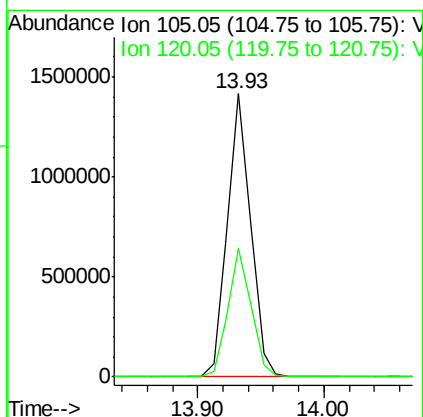
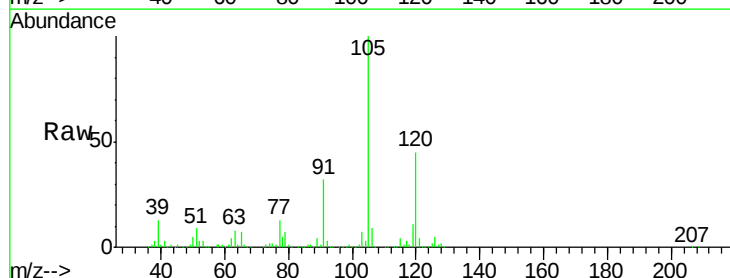
Instrument :
 MSVOA_D
 ClientSampleId :

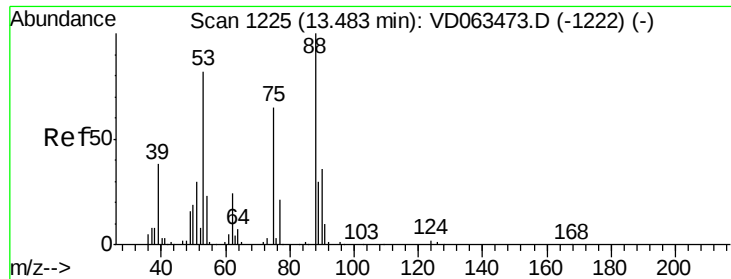
Tot Ion: 91 Resp: 1380979
 Ion Ratio Lower Upper
 91 100
 126 35.2 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 48.339 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

Tgt Ion:105 Resp: 1792032
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.8 68.3

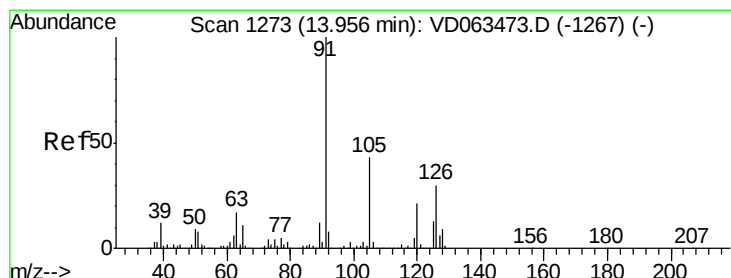
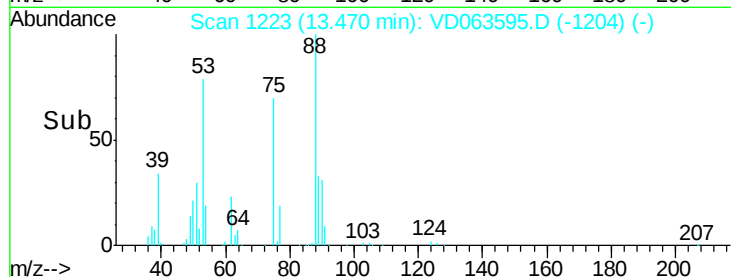
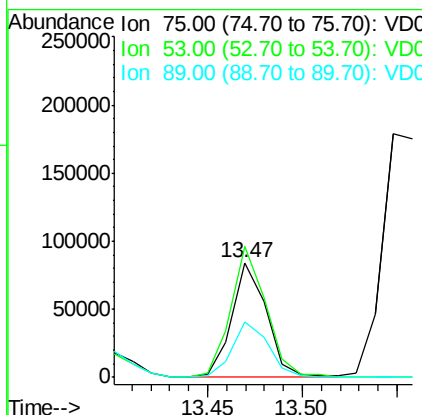
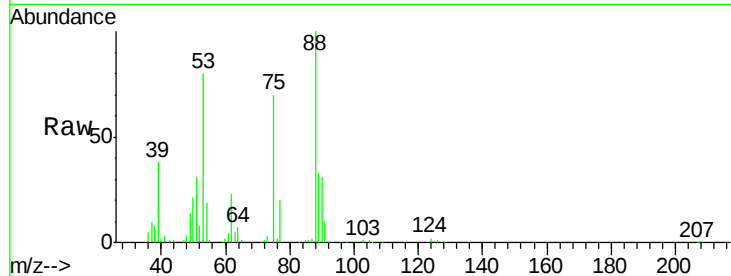




#81
trans-1,4-Dichloro-2-butene
Concen: 52.023 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

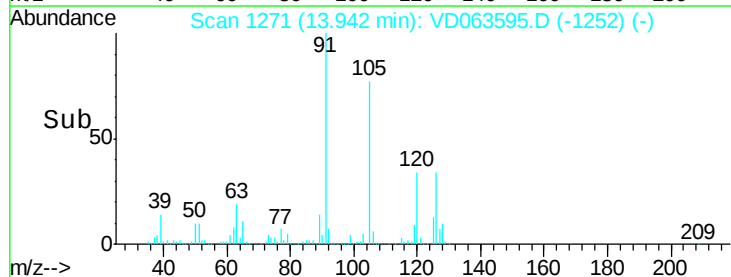
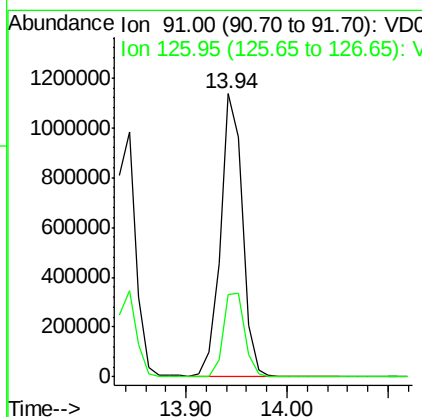
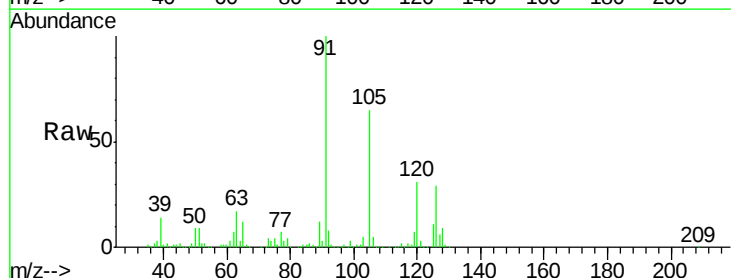
Instrument :
MSVOA_D
ClientSampleId :

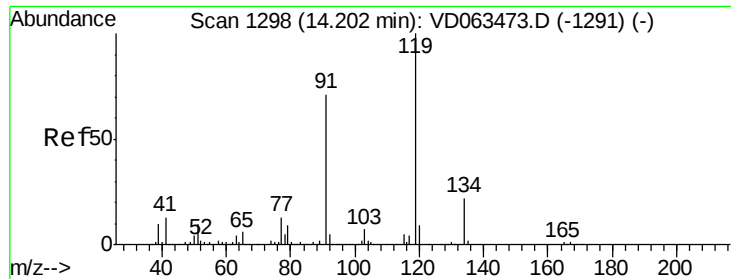
Tot Ion: 75 Resp: 107045
Ion Ratio Lower Upper
75 100
53 113.9 101.0 151.4
89 47.9 37.0 55.6



#82
4-Chlorotoluene
Concen: 49.840 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion: 91 Resp: 1715461
Ion Ratio Lower Upper
91 100
126 29.2 15.2 45.6

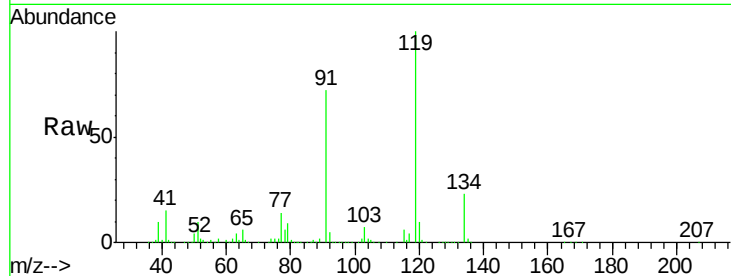




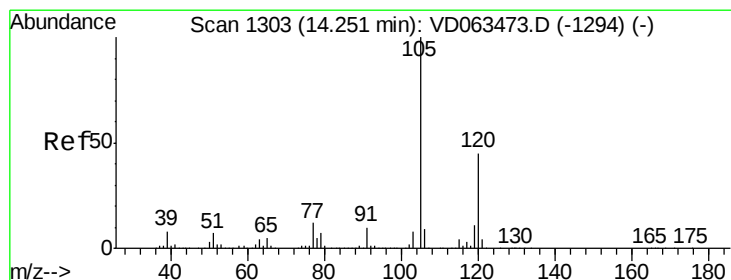
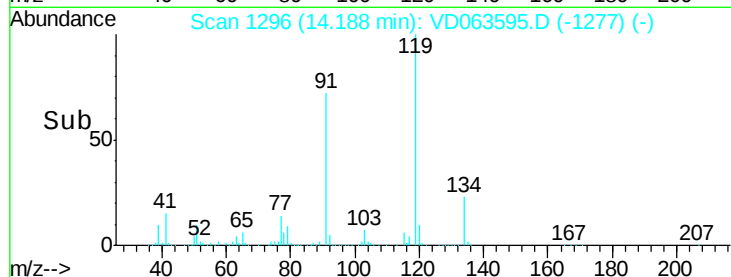
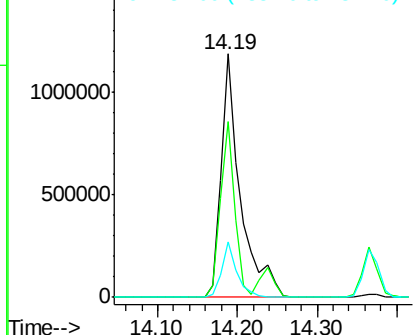
#83
 tert-Butylbenzene
 Concen: 51.748 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 2020123
 Ion Ratio Lower Upper
 119 100
 91 72.2 35.5 106.7
 134 22.7 11.1 33.1

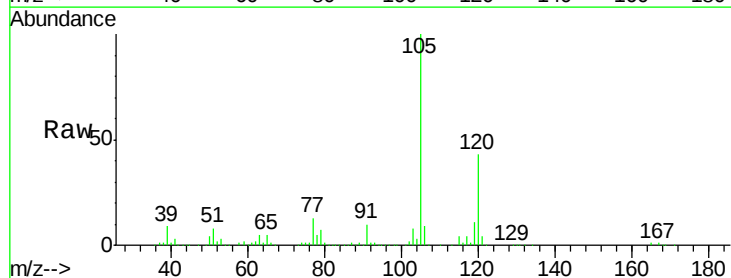


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

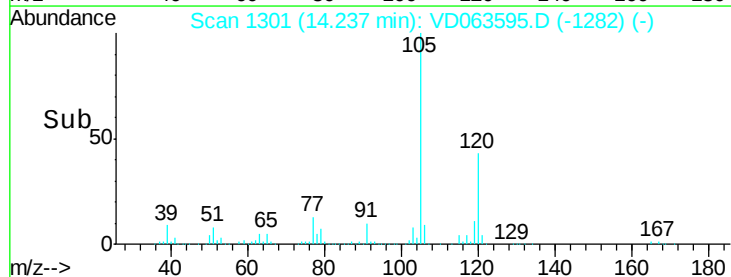
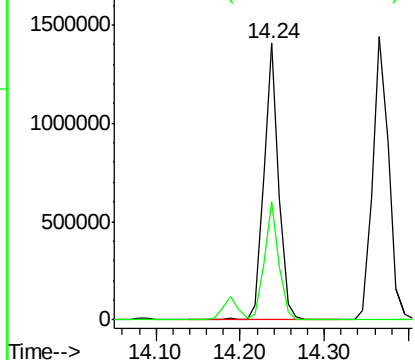


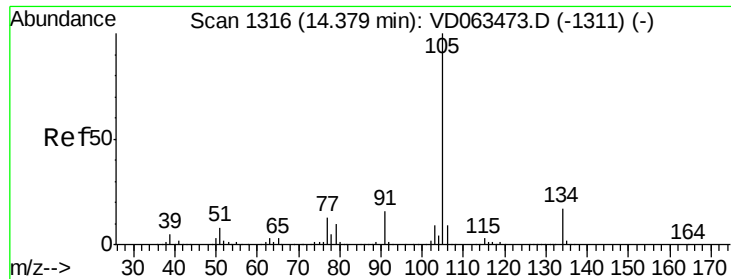
#84
 1,2,4-Trimethylbenzene
 Concen: 51.020 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

Tgt Ion:105 Resp: 1750049
 Ion Ratio Lower Upper
 105 100
 120 42.5 22.7 68.1



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

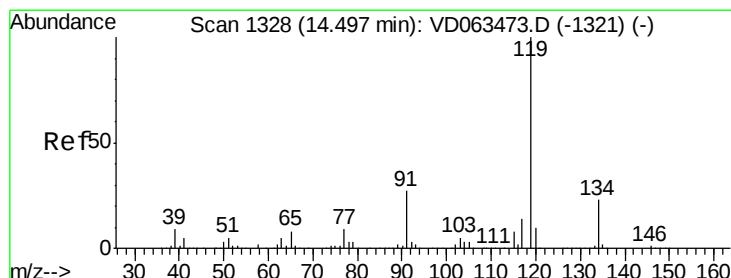
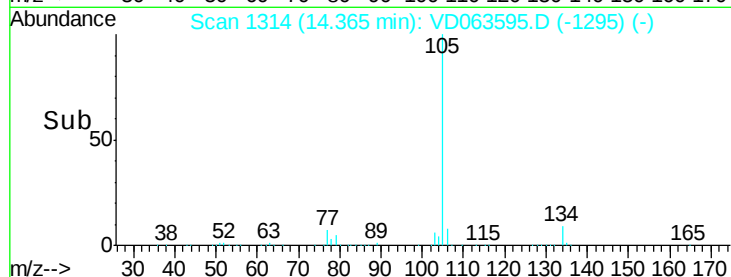
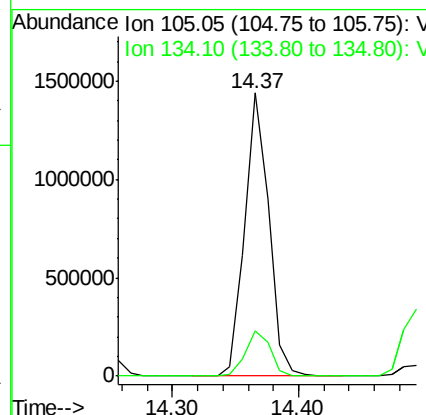
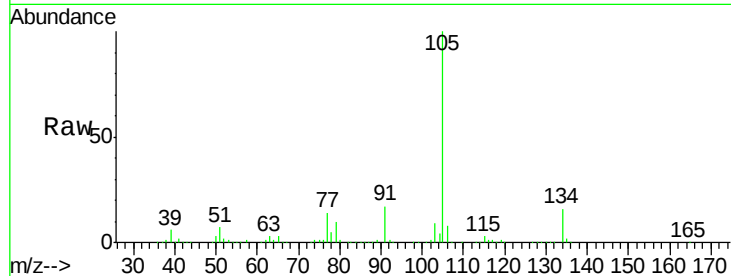




#85
 sec-Butylbenzene
 Concen: 45.465 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

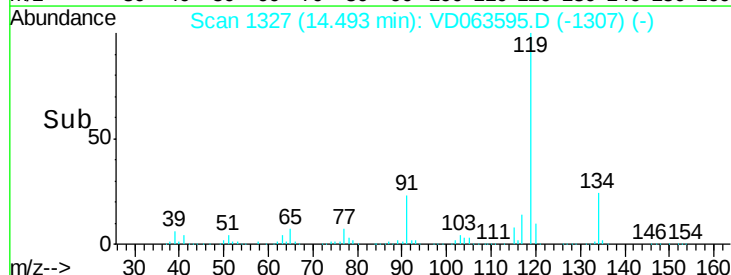
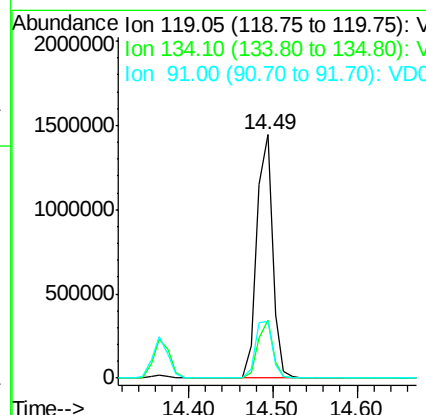
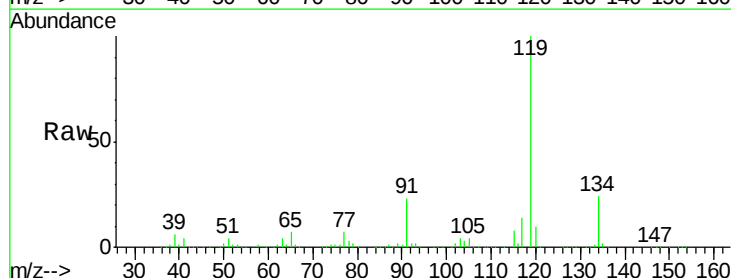
Instrument :
 MSVOA_D
 ClientSampleId :

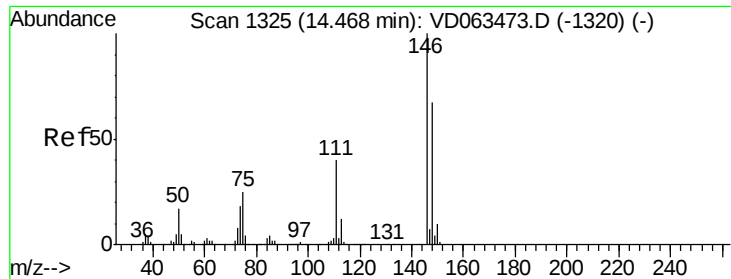
Tot Ion:105 Resp: 1884860
 Ion Ratio Lower Upper
 105 100
 134 16.0 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 48.029 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

Tgt Ion:119 Resp: 1903854
 Ion Ratio Lower Upper
 119 100
 134 23.8 11.3 33.8
 91 23.4 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 45.283 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :

MSVOA_D

ClientSampled :

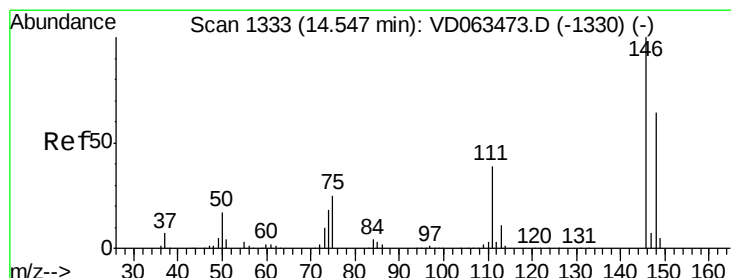
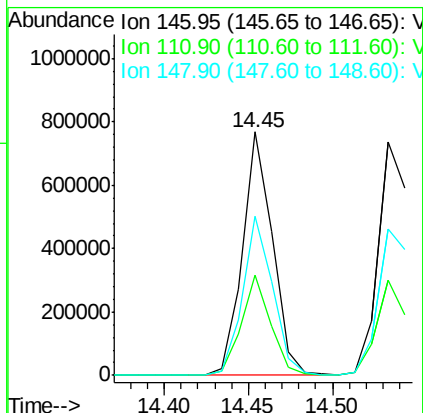
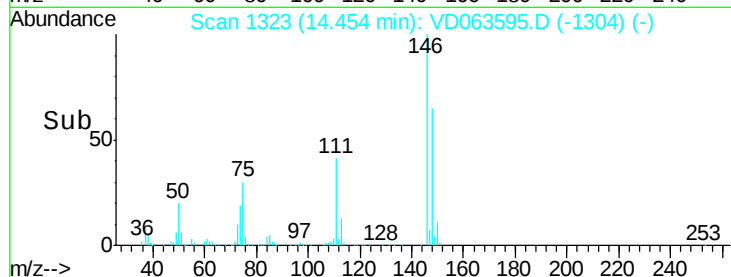
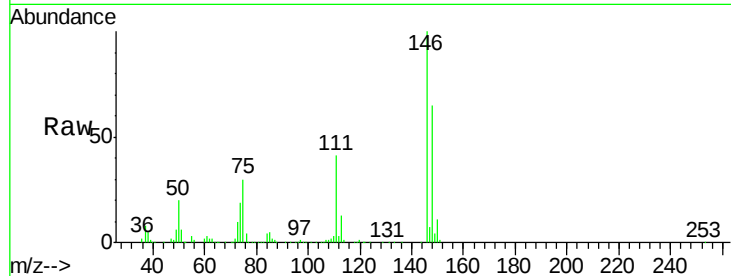
Tot Ion:146 Resp: 949813

Ion Ratio Lower Upper

146 100

111 41.2 20.0 60.0

148 65.1 33.6 100.6



#88

1,4-Dichlorobenzene

Concen: 48.038 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

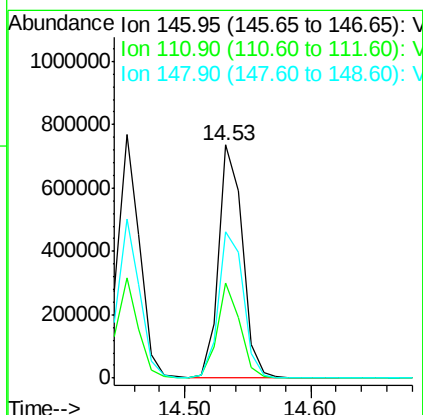
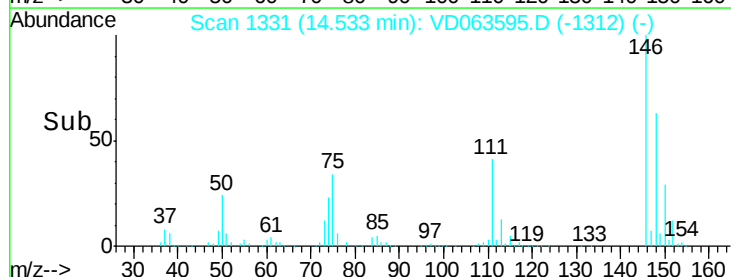
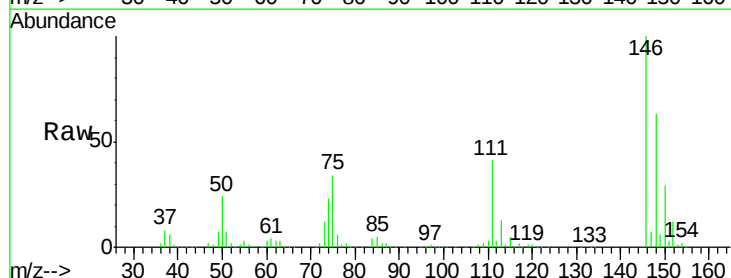
Tgt Ion:146 Resp: 966703

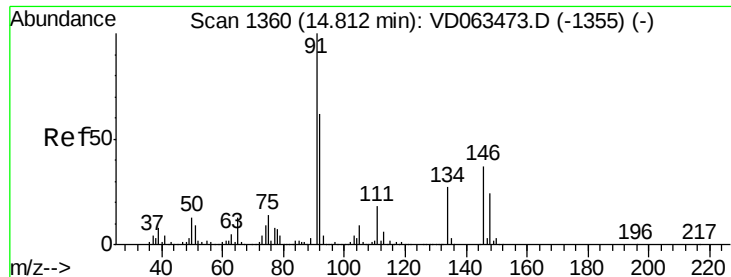
Ion Ratio Lower Upper

146 100

111 41.1 19.7 59.0

148 63.0 32.1 96.3





#89

n-Butylbenzene

Concen: 44.365 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063595.D

Acq: 15 Aug 2019 1:17

Instrument :

MSVOA_D

ClientSampleId :

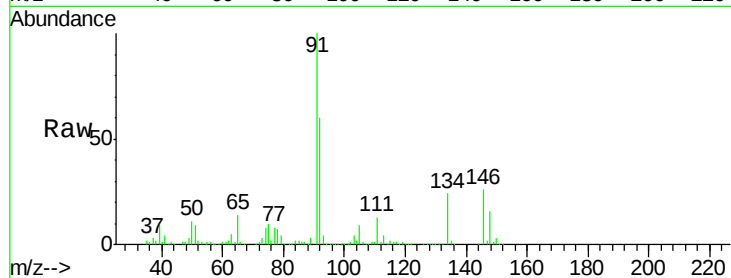
Tot Ion: 91 Resp: 1605048

Ion Ratio Lower Upper

91 100

92 59.5 30.8 92.3

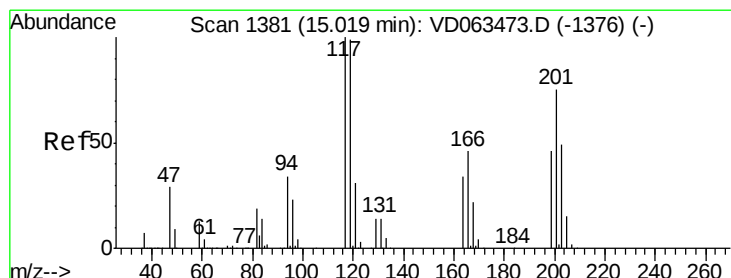
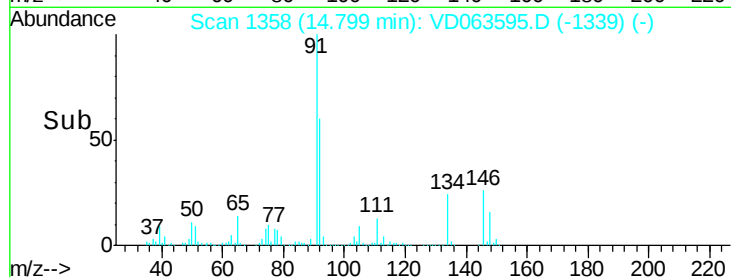
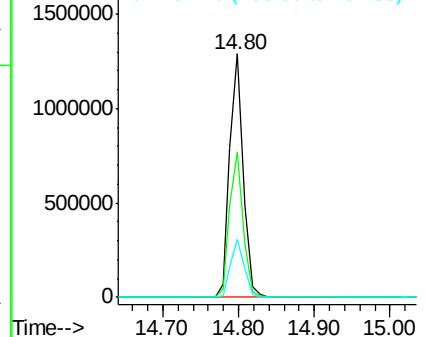
134 24.1 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 50.601 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD063595.D

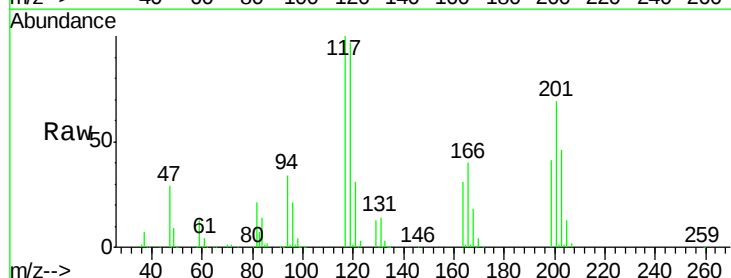
Acq: 15 Aug 2019 1:17

Tgt Ion: 117 Resp: 504151

Ion Ratio Lower Upper

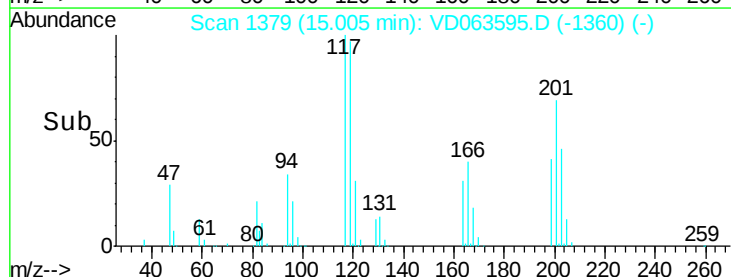
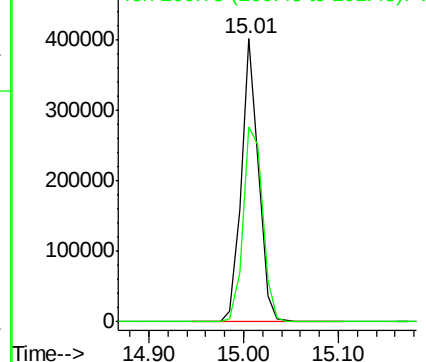
117 100

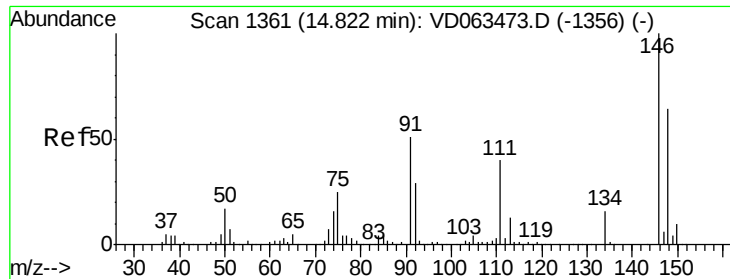
201 68.8 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

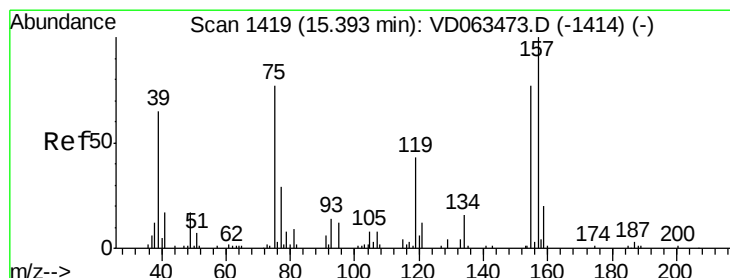
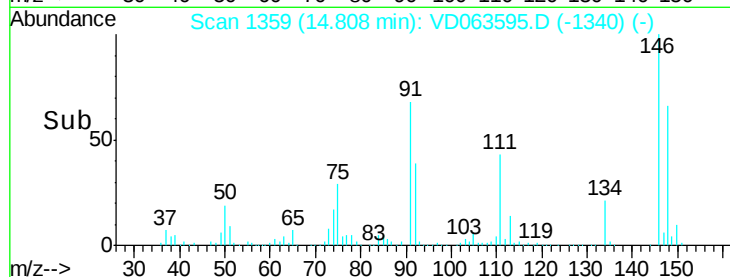
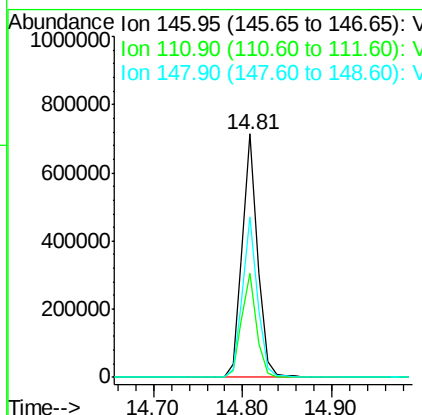
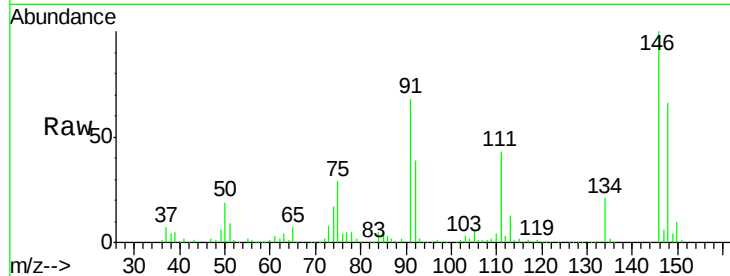




#91
 1,2-Dichlorobenzene
 Concen: 48.605 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

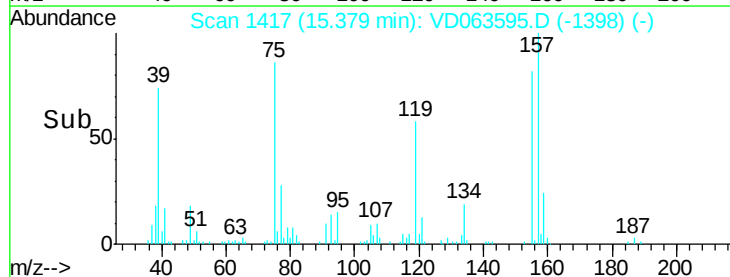
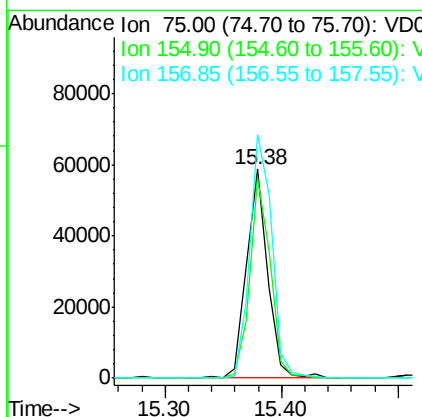
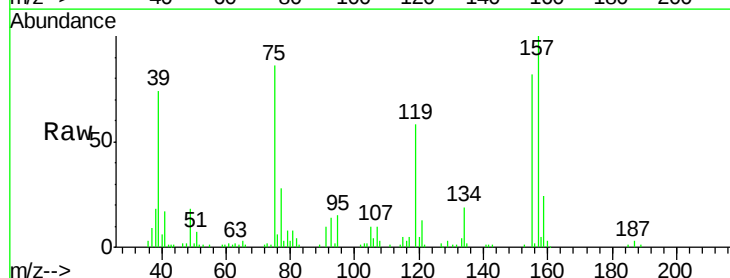
Instrument :
 MSVOA_D
 ClientSampled :

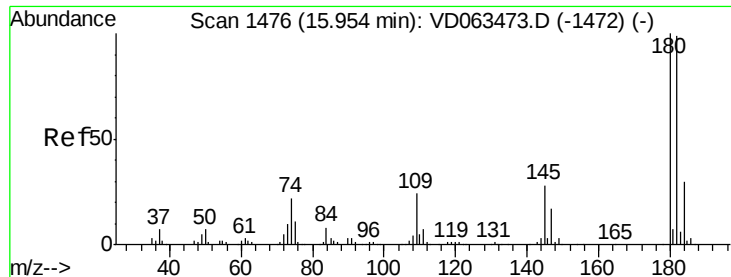
Tot Ion:146 Resp: 864958
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.2 60.6
 148 66.0 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.375 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

Tgt Ion: 75 Resp: 73429
 Ion Ratio Lower Upper
 75 100
 155 95.9 50.1 150.3
 157 116.6 65.0 195.1

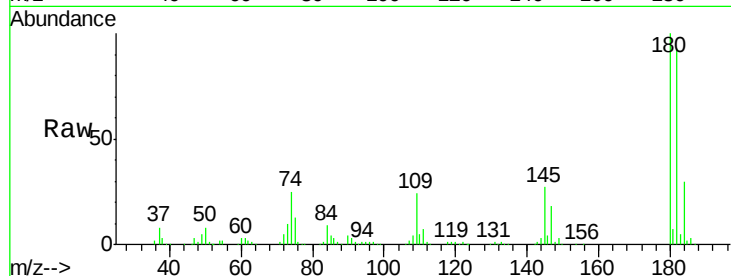




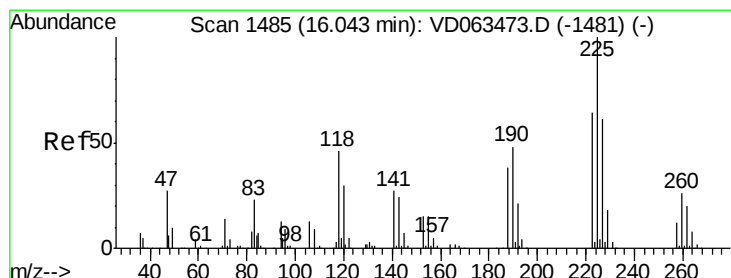
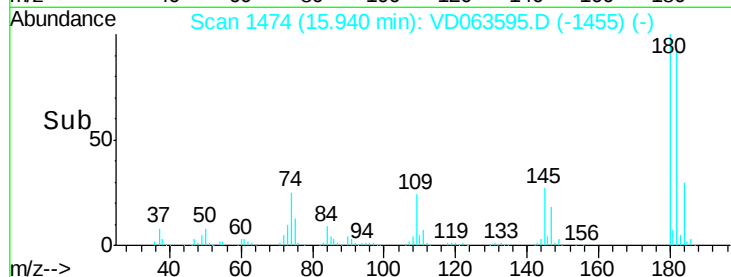
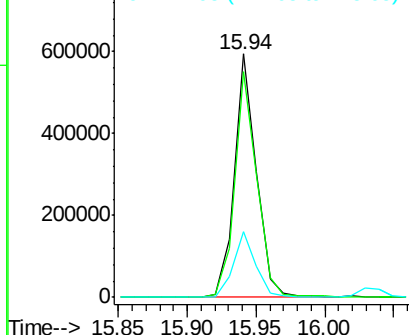
#93
 1,2,4-Trichlorobenzene
 Concen: 50.429 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 660339
 Ion Ratio Lower Upper
 180 100
 182 92.8 49.7 149.1
 145 27.0 14.1 42.2

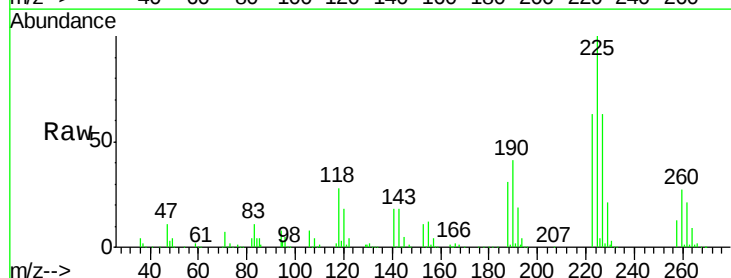


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

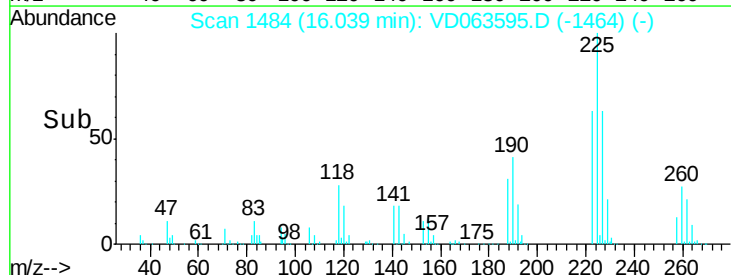
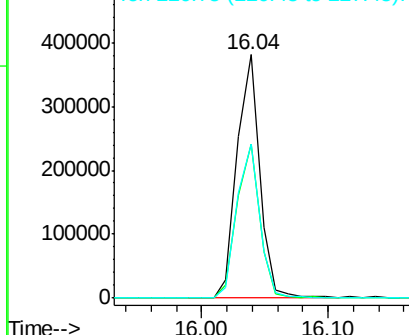


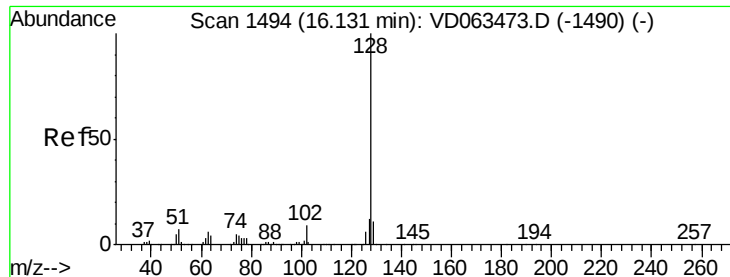
#94
 Hexachlorobutadiene
 Concen: 47.561 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063595.D
 Acq: 15 Aug 2019 1:17

Tgt Ion:225 Resp: 474650
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.9 95.5
 227 63.2 30.7 92.1



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

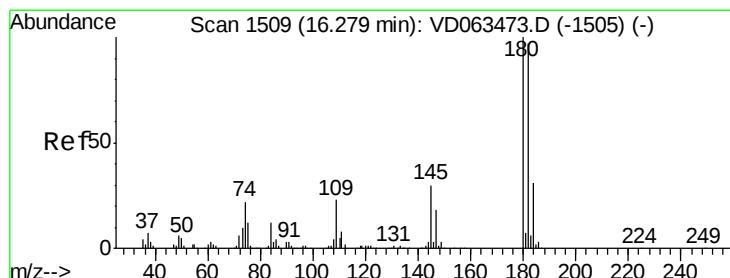
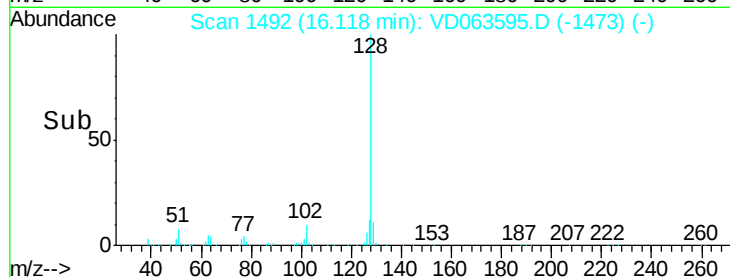
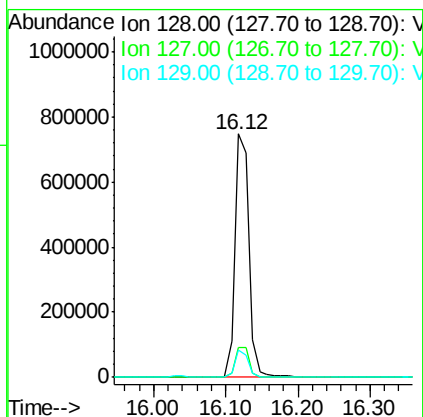
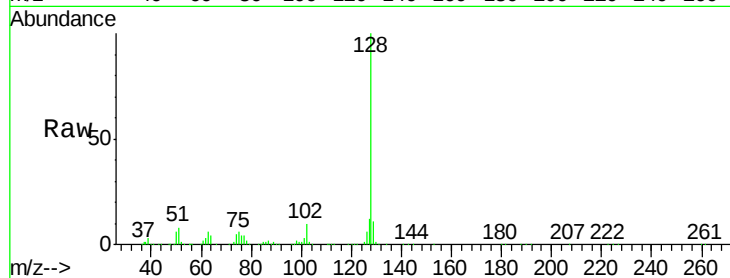




#95
Naphthalene
Concen: 51.135 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 1014770
Ion Ratio Lower Upper
128 100
127 12.1 9.4 14.0
129 11.5 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 50.115 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063595.D
Acq: 15 Aug 2019 1:17

Tgt Ion:180 Resp: 530029
Ion Ratio Lower Upper
180 100
182 90.8 48.4 145.2
145 31.1 14.9 44.9

