

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082019\
 Data File : VD063700.D
 Acq On : 20 Aug 2019 23:42
 Operator : JC/SY
 Sample : VD0820SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

Quant Time: Aug 21 05:24:46 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	7.02	168	784507	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	8.20	114	1048158	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.36	117	987425	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	570475	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	478826	57.10	ug/l	-0.04
Spiked Amount			Recovery	=	114.20%	
35) Dibromofluoromethane	6.90	113	502169	56.89	ug/l	-0.04
Spiked Amount			Recovery	=	113.78%	
50) Toluene-d8	10.39	98	1107890	57.08	ug/l	-0.03
Spiked Amount			Recovery	=	114.16%	
62) 4-Bromofluorobenzene	13.55	95	510078	57.99	ug/l	0.00
Spiked Amount			Recovery	=	115.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.55	85	200121	21.085	ug/l	96
3) Chloromethane	1.72	50	167029	22.524	ug/l	92
4) Vinyl Chloride	1.83	62	159791	21.706	ug/l	94
5) Bromomethane	2.12	94	79514	22.891	ug/l	97
6) Chloroethane	2.24	64	76327	22.673	ug/l	95
7) Trichlorofluoromethane	2.51	101	324509	22.474	ug/l	98
8) Diethyl Ether	2.85	74	47436	23.268	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.12	101	159965	18.762	ug/l	98
10) Methyl Iodide	3.27	142	224066	18.573	ug/l	99
11) Tert butyl alcohol	4.06	59	40110	109.875	ug/l	100
12) 1,1-Dichloroethene	3.10	96	120029	18.935	ug/l	95
13) Acrolein	3.02	56	22327	62.136	ug/l	94
14) Allyl chloride	3.59	41	206708	21.691	ug/l	98
15) Acrylonitrile	4.17	53	114714	118.637	ug/l	95
16) Acetone	3.21	43	158976	93.259	ug/l	100
17) Carbon Disulfide	3.34	76	397113	19.849	ug/l	96
18) Methyl Acetate	3.62	43	77686	24.060	ug/l #	89
19) Methyl tert-butyl Ether	4.21	73	305566	24.103	ug/l	98
20) Methylene Chloride	3.79	84	167043	22.662	ug/l	98
21) trans-1,2-Dichloroethene	4.19	96	158686	23.788	ug/l	96
22) Diisopropyl ether	5.10	45	444074	22.582	ug/l	99
23) Vinyl Acetate	5.03	43	1325722	115.965	ug/l	100
24) 1,1-Dichloroethane	4.95	63	268131	21.984	ug/l	99
25) 2-Butanone	6.05	43	179498	106.617	ug/l	92
26) 2,2-Dichloropropane	5.99	77	252122	20.754	ug/l	95
27) cis-1,2-Dichloroethene	6.01	96	169195	23.182	ug/l	95
28) Bromochloromethane	6.42	49	102289	20.693	ug/l	93
29) Tetrahydrofuran	6.43	42	93954	119.762	ug/l	95
30) Chloroform	6.64	83	362142	23.888	ug/l	91
31) Cyclohexane	6.93	56	157590	20.813	ug/l	97
32) 1,1,1-Trichloroethane	6.85	97	342700	23.631	ug/l	98
36) 1,1-Dichloropropene	7.12	75	228155	24.623	ug/l	96
37) Ethyl Acetate	6.16	43	95627	24.629	ug/l #	93
38) Carbon Tetrachloride	7.08	117	323575	23.171	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	181276	23.007	ug/l	95
40) Benzene	7.44	78	488393	23.951	ug/l	92
41) Methacrylonitrile	6.42	41	122265	25.009	ug/l #	95
42) 1,2-Dichloroethane	7.56	62	260019	25.360	ug/l	99
43) Isopropyl Acetate	9.23	43	124444	23.931	ug/l #	97
44) Trichloroethene	8.52	130	173744	22.292	ug/l	97
45) 1,2-Dichloropropane	8.93	63	115767	24.379	ug/l	96
46) Dibromomethane	9.04	93	105159	25.932	ug/l	97
47) Bromodichloromethane	9.36	83	250306	24.063	ug/l	93
48) Methyl methacrylate	9.10	41	87756	24.884	ug/l	96
49) 1,4-Dioxane	9.05	88	15338	499.726	ug/l #	87
51) 4-Methyl-2-Pentanone	10.28	43	453663	127.492	ug/l	90
52) Toluene	10.49	92	322977	24.591	ug/l	96
53) t-1,3-Dichloropropene	10.89	75	220573	25.983	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	234791	24.529	ug/l	93
55) 1,1,2-Trichloroethane	11.18	97	115709	26.081	ug/l	91
56) Ethyl methacrylate	11.03	69	113663	23.604	ug/l	90
57) 1,3-Dichloropropane	11.40	76	157627	23.505	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	289210	113.763	ug/l	100
59) 2-Hexanone	11.52	43	324318	125.260	ug/l	98
60) Dibromochloromethane	11.67	129	210499	26.075	ug/l	93
61) 1,2-Dibromoethane	11.79	107	131040	24.399	ug/l	97
64) Tetrachloroethene	11.25	164	167903	22.027	ug/l	97
65) Chlorobenzene	12.39	112	401063	21.671	ug/l	92
66) 1,1,1,2-Tetrachloroethane	12.50	131	186914	22.949	ug/l	84
67) Ethyl Benzene	12.52	91	721794	22.431	ug/l	98
68) m/p-Xylenes	12.66	106	507120	44.857	ug/l	86
69) o-Xylene	13.04	106	234592	21.560	ug/l	99
70) Styrene	13.06	104	405529	20.952	ug/l	95
71) Bromoform	13.23	173	118575	21.232	ug/l	95
73) Isopropylbenzene	13.39	105	709395	19.550	ug/l	94
74) N-amyl acetate	13.26	43	185965	20.416	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	134970	22.410	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	145636	22.244	ug/l	99
77) Bromobenzene	13.66	156	212500	21.428	ug/l	90
78) n-propylbenzene	13.77	91	878038	20.682	ug/l	95
79) 2-Chlorotoluene	13.84	91	500992	20.466	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	655445	20.674	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	30817	17.513	ug/l	97
82) 4-Chlorotoluene	13.94	91	630265	21.412	ug/l	92
83) tert-Butylbenzene	14.18	119	670528	20.085	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	594795	20.276	ug/l	95
85) sec-Butylbenzene	14.36	105	702195	19.806	ug/l	98
86) p-Isopropyltoluene	14.49	119	716736	21.143	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	368564	20.547	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	363575	21.126	ug/l	98
89) n-Butylbenzene	14.79	91	659778	21.325	ug/l	95
90) Hexachloroethane	15.00	117	173497	20.362	ug/l	92
91) 1,2-Dichlorobenzene	14.80	146	337905	22.203	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	20580	18.148	ug/l	91

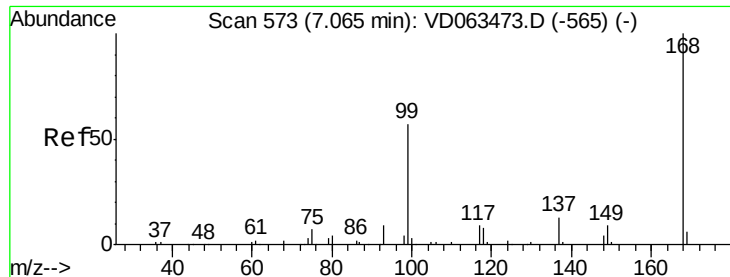
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	227490	20.314	µg/l	99
94) Hexachlorobutadiene	16.03	225	167127	19.582	µg/l	96
95) Naphthalene	16.12	128	332468	19.590	µg/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	203592	22.509	µg/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.05 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

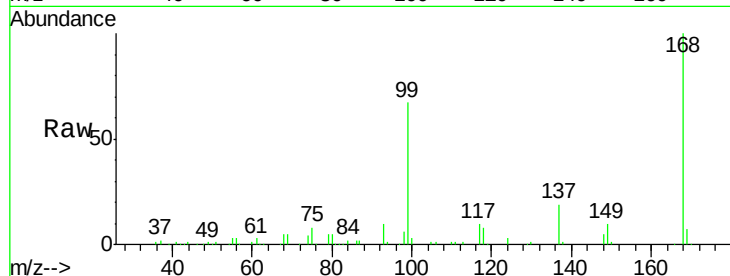
VD0820SBS02

Tot Ion:168 Resp: 784507

Ion Ratio Lower Upper

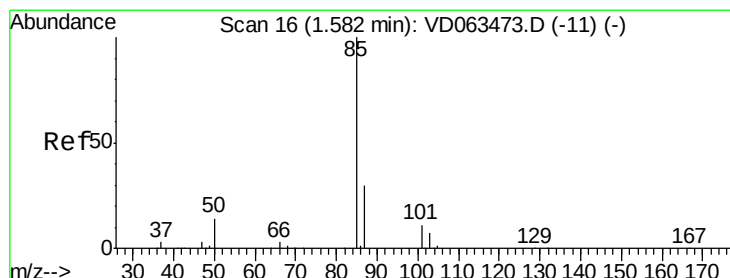
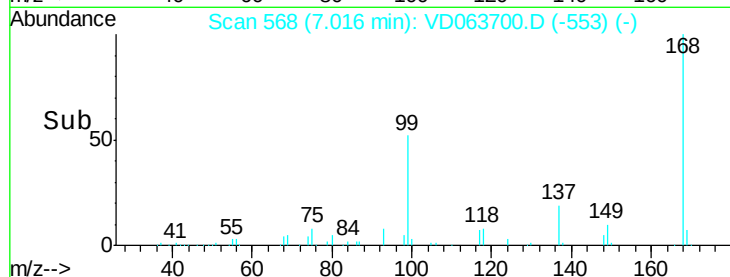
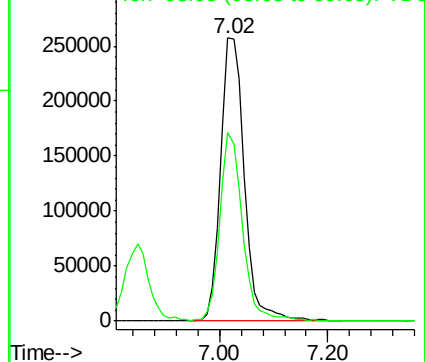
168 100

99 66.9 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: 21.085 ug/l

RT: 1.55 min Scan# 13

Delta R.T. -0.03 min

Lab File: VD063700.D

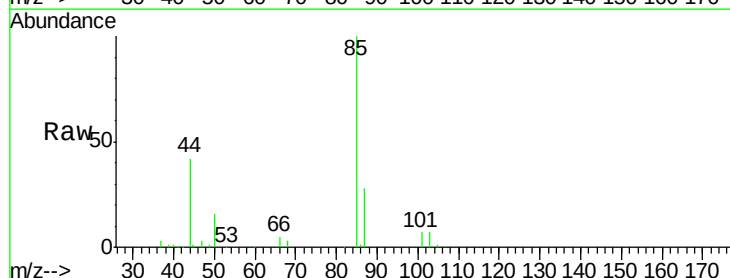
Acq: 20 Aug 2019 23:42

Tgt Ion: 85 Resp: 200121

Ion Ratio Lower Upper

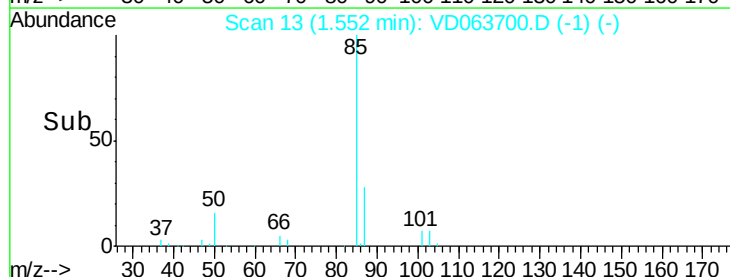
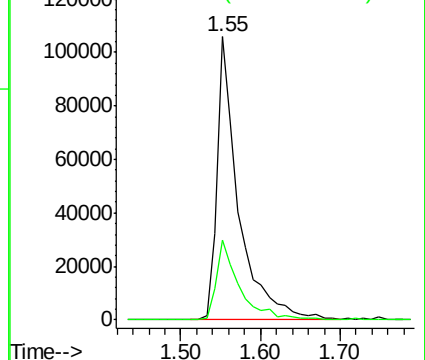
85 100

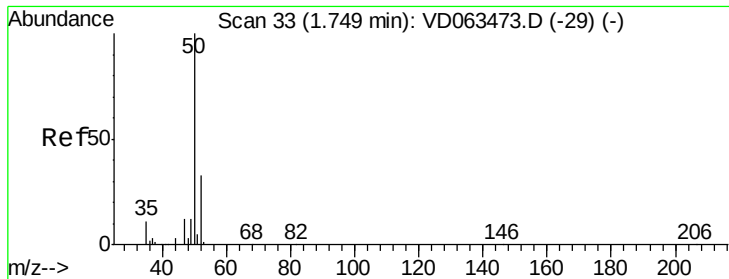
87 28.1 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.524 ug/l

RT: 1.72 min Scan# 30

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

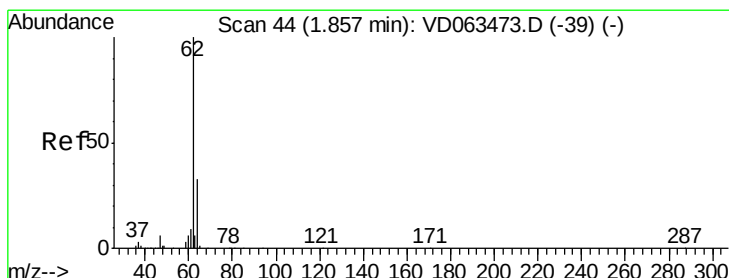
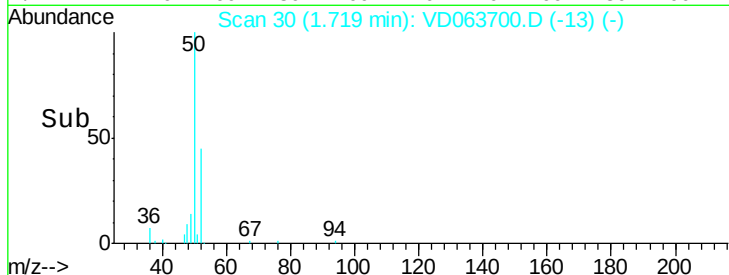
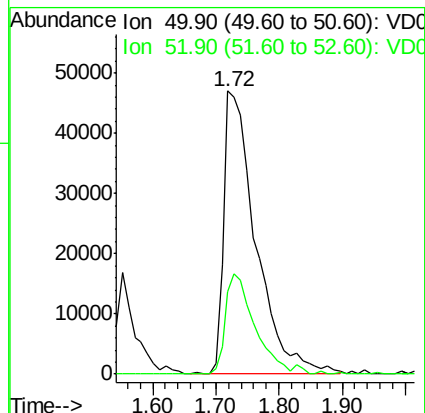
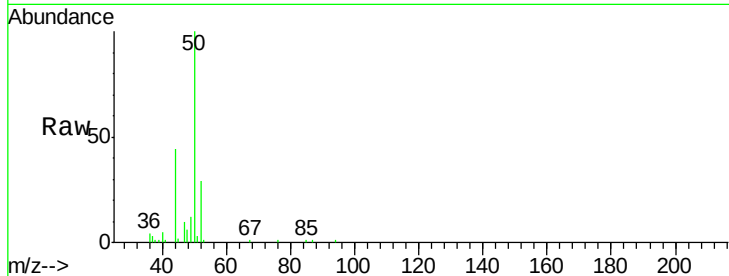
VD0820SBS02

Tot Ion: 50 Resp: 167029

Ion Ratio Lower Upper

50 100

52 29.0 26.6 40.0



#4

Vinyl Chloride

Concen: 21.706 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.03 min

Lab File: VD063700.D

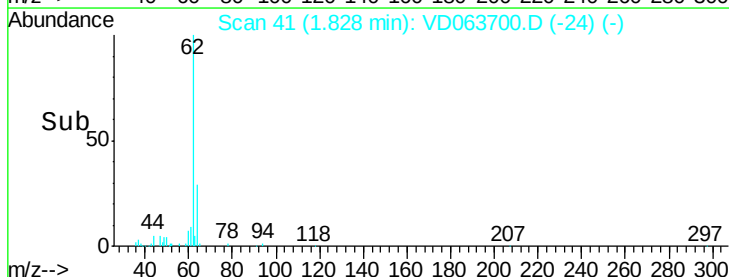
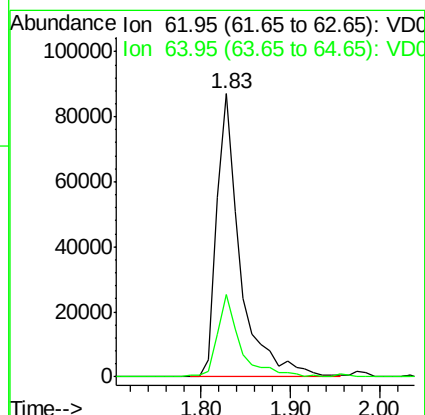
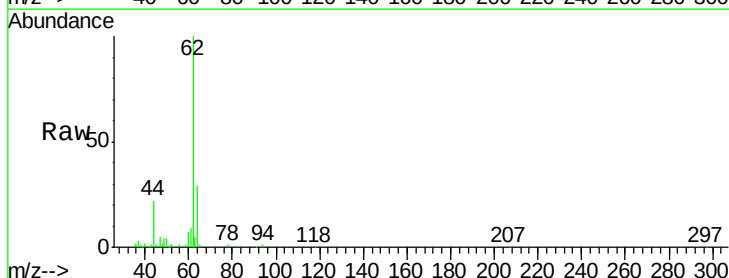
Acq: 20 Aug 2019 23:42

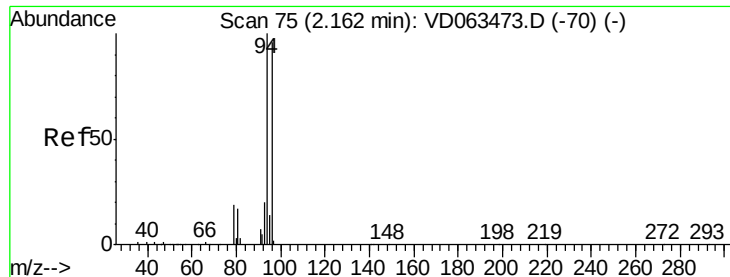
Tgt Ion: 62 Resp: 159791

Ion Ratio Lower Upper

62 100

64 29.3 26.4 39.6





#5

Bromomethane

Concen: 22.891 ug/l

RT: 2.12 min Scan# 71

Delta R.T. -0.04 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

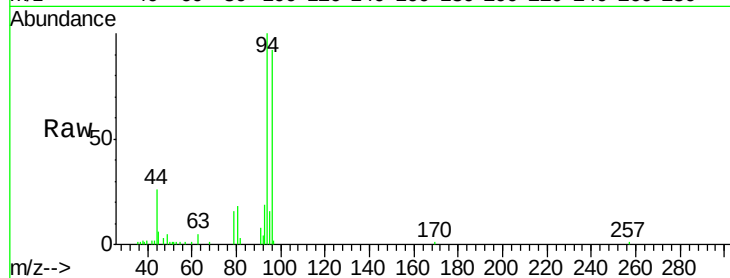
MSVOA_D

ClientSampleId :

VD0820SBS02

Tot Ion: 94 Resp: 79514

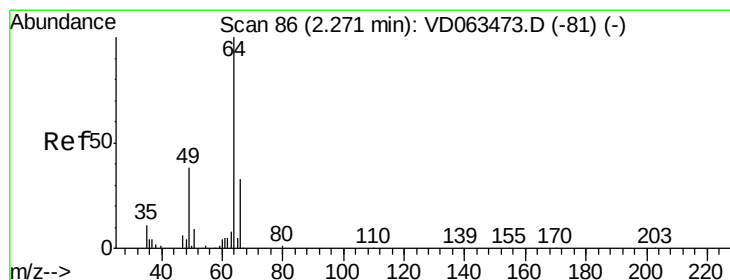
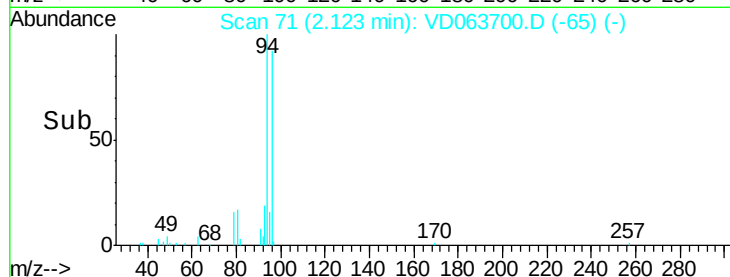
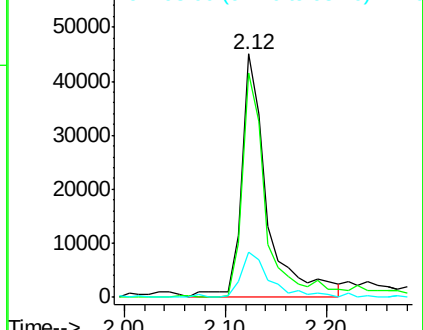
Ion	Ratio	Lower	Upper
94	100		
96	92.3	76.5	114.7
93	18.7	15.8	23.8



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: 22.673 ug/l

RT: 2.24 min Scan# 83

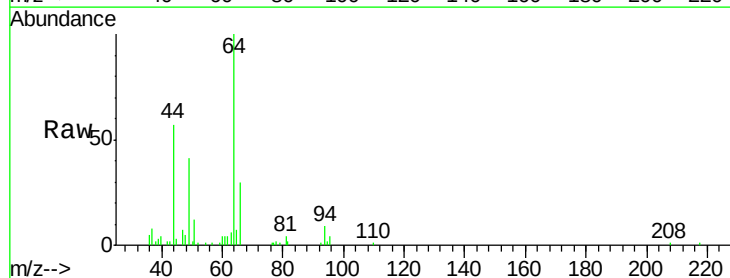
Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

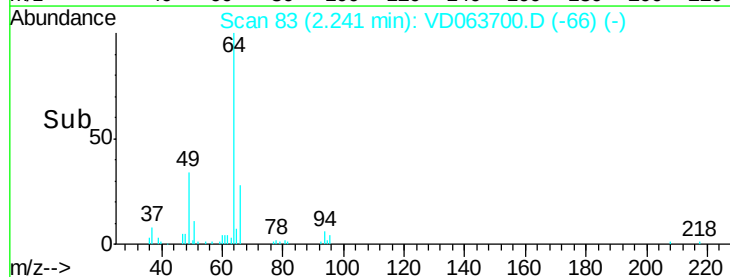
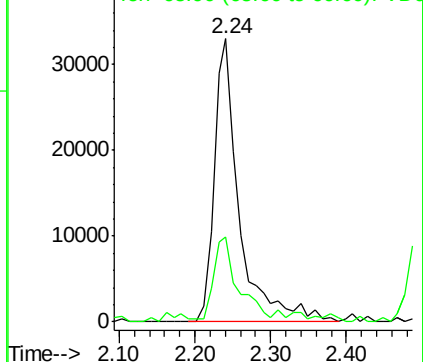
Tgt Ion: 64 Resp: 76327

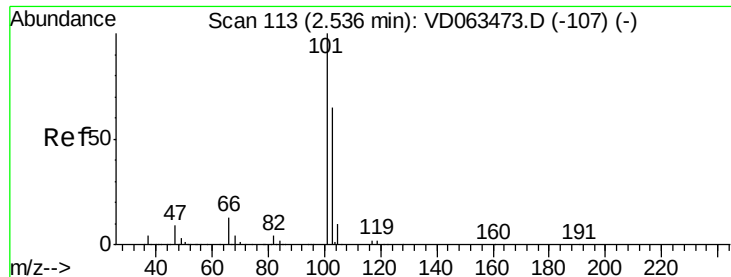
Ion	Ratio	Lower	Upper
64	100		
66	29.9	26.3	39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



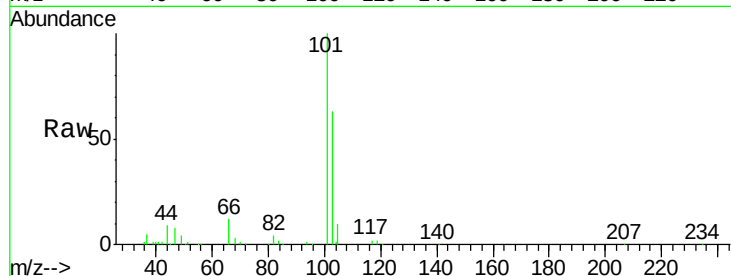


#7

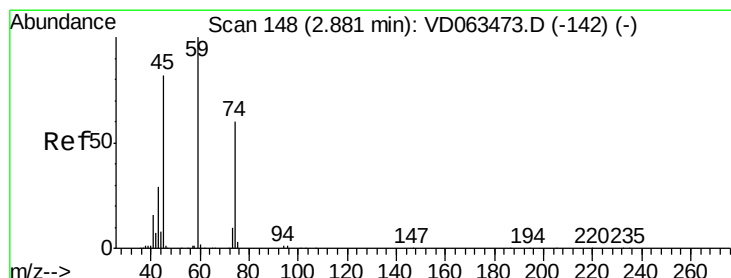
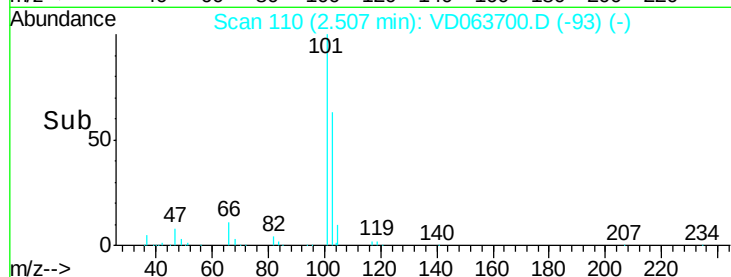
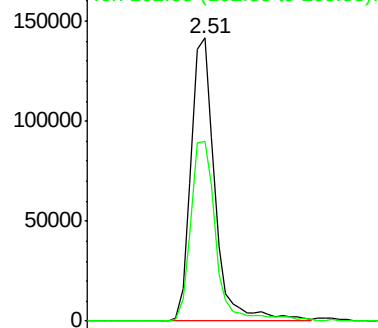
Trichlorofluoromethane
Concen: 22.474 ug/l
RT: 2.51 min Scan# 110
Delta R.T. -0.03 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

Instrument :
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VD0820SBS02

Tot Ion:101 Resp: 324509
Ion Ratio Lower Upper
101 100
103 63.4 52.2 78.4



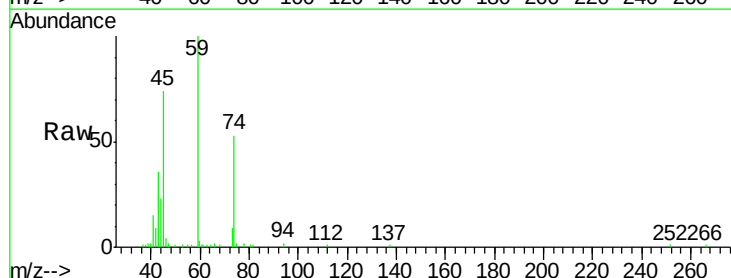
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



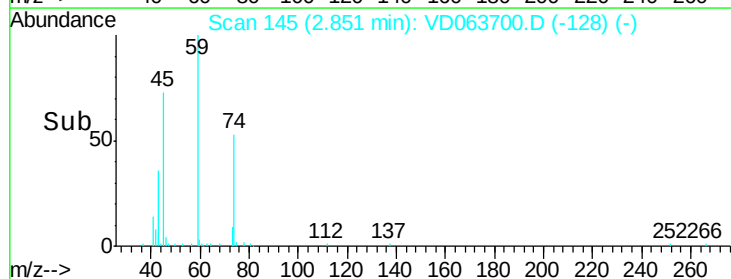
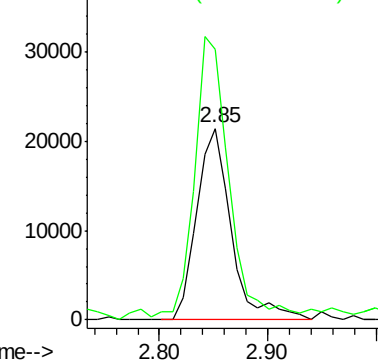
#8

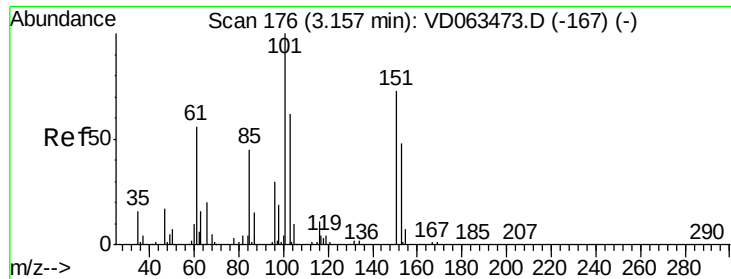
Diethyl Ether
Concen: 23.268 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.03 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

Tgt Ion: 74 Resp: 47436
Ion Ratio Lower Upper
74 100
45 141.4 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: 18.762 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.04 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

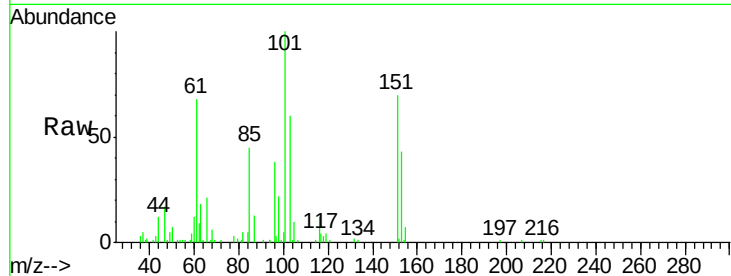
Tot Ion:101 Resp: 159965

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

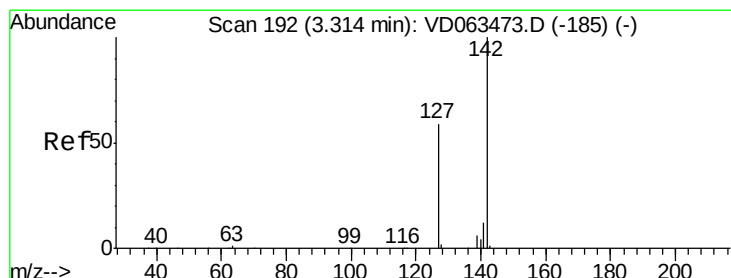
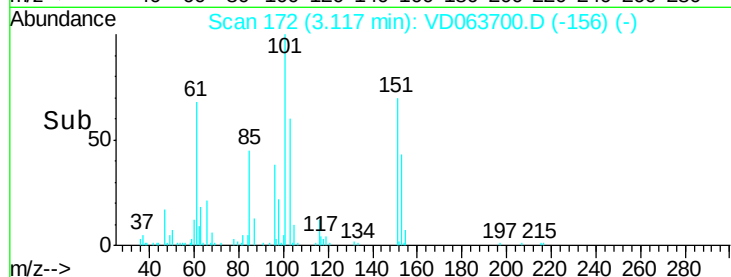
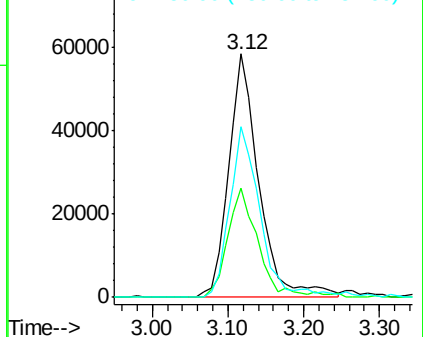
151 70.1 58.6 88.0



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: 18.573 ug/l

RT: 3.27 min Scan# 188

Delta R.T. -0.04 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

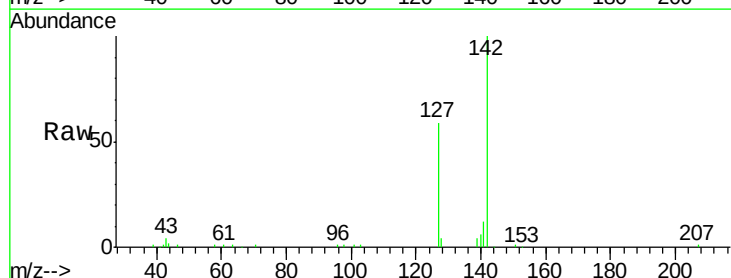
Tgt Ion:142 Resp: 224066

Ion Ratio Lower Upper

142 100

127 59.4 47.2 70.8

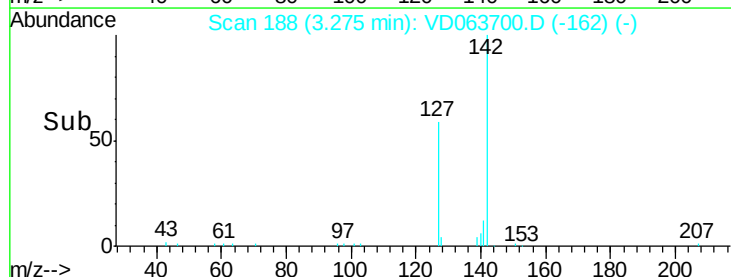
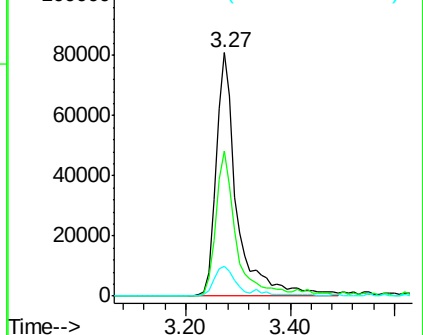
141 12.0 9.8 14.8

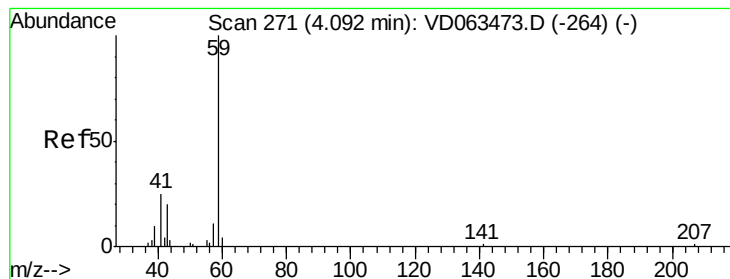


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



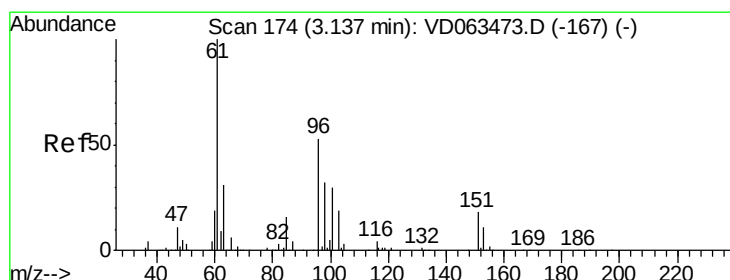
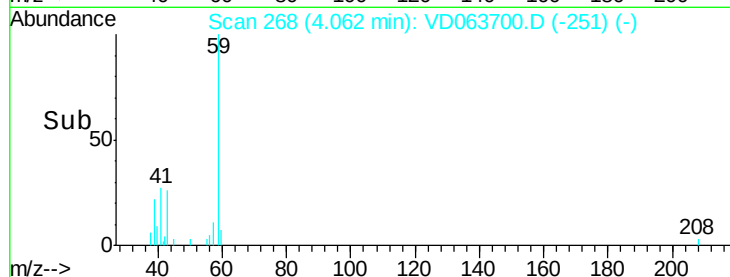
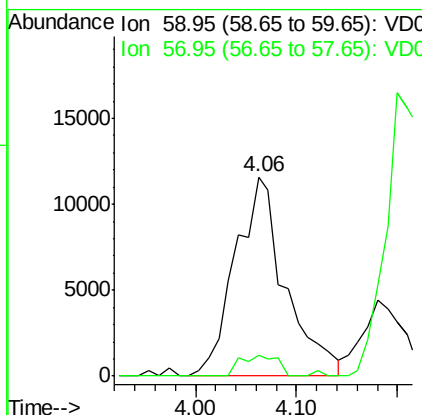
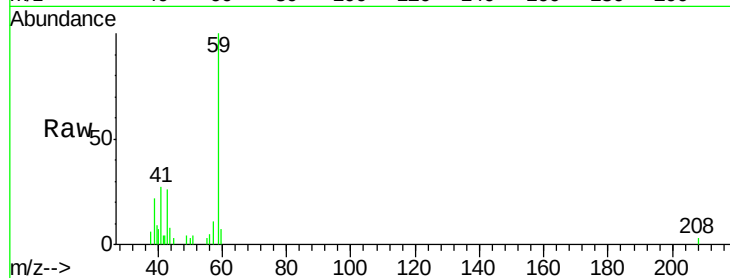


#11

Tert butyl alcohol
 Concen: 109.875 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. -0.03 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

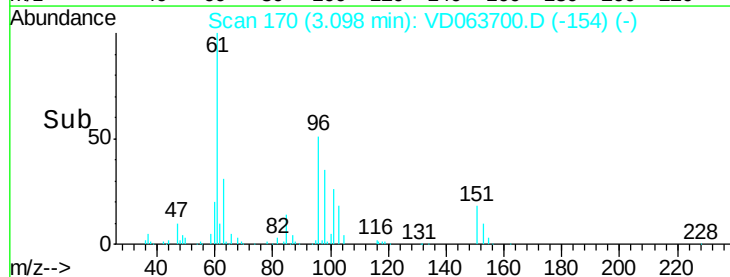
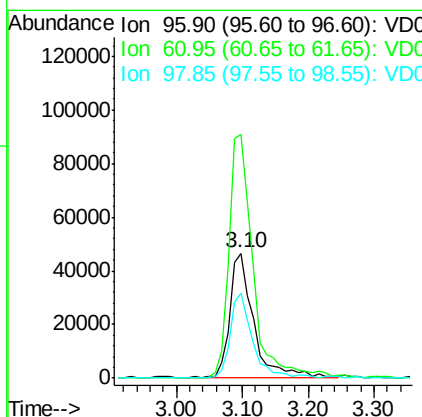
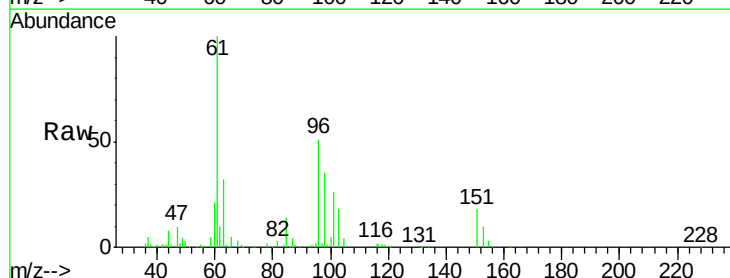
Tot Ion: 59 Resp: 40110
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.7 13.1

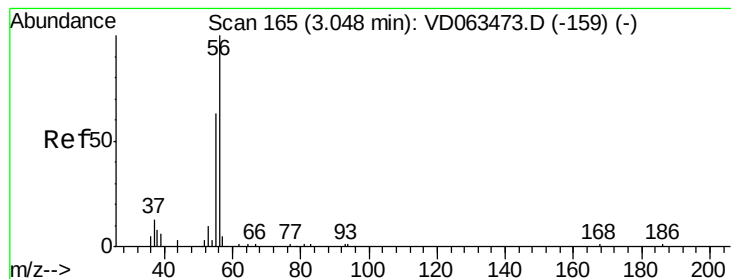


#12

1,1-Dichloroethene
 Concen: 18.935 ug/l
 RT: 3.10 min Scan# 170
 Delta R.T. -0.04 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

Tgt Ion: 96 Resp: 120029
 Ion Ratio Lower Upper
 96 100
 61 194.5 151.7 227.5
 98 67.6 48.4 72.6





#13

Acrolein

Concen: 62.136 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

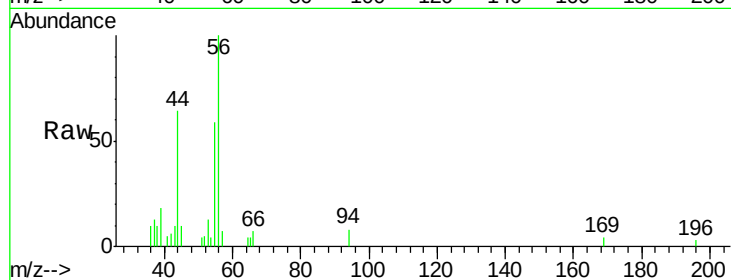
VD0820SBS02

Tot Ion: 56 Resp: 22327

Ion Ratio Lower Upper

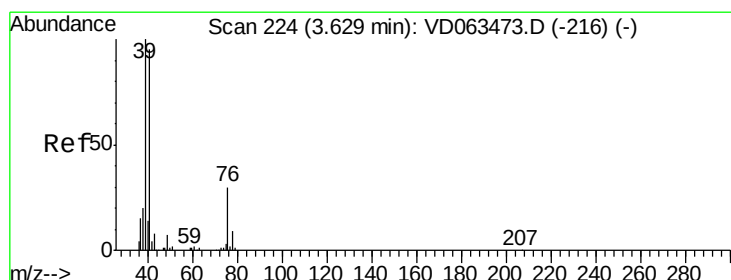
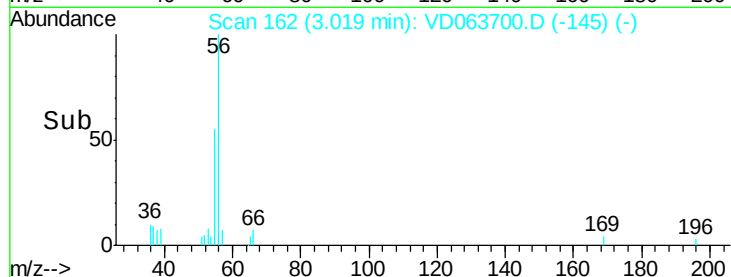
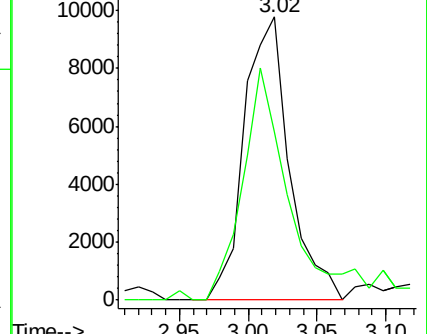
56 100

55 59.3 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.691 ug/l

RT: 3.59 min Scan# 220

Delta R.T. -0.04 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

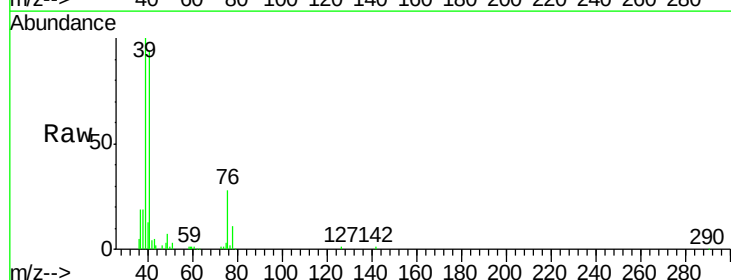
Tgt Ion: 41 Resp: 206708

Ion Ratio Lower Upper

41 100

39 106.7 84.2 126.4

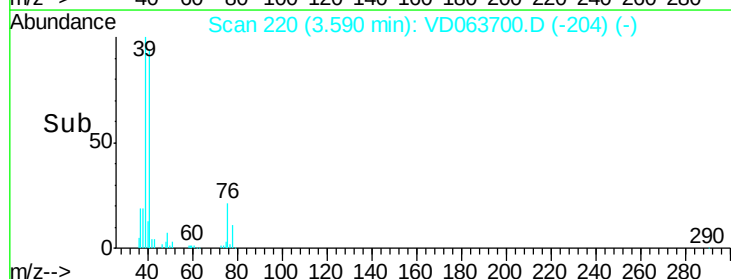
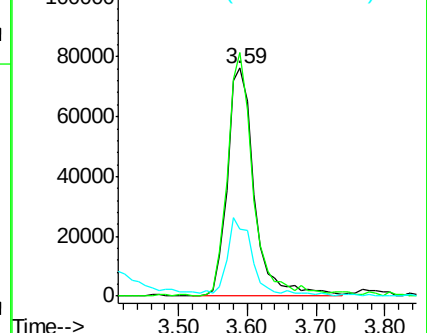
76 29.6 26.0 39.0

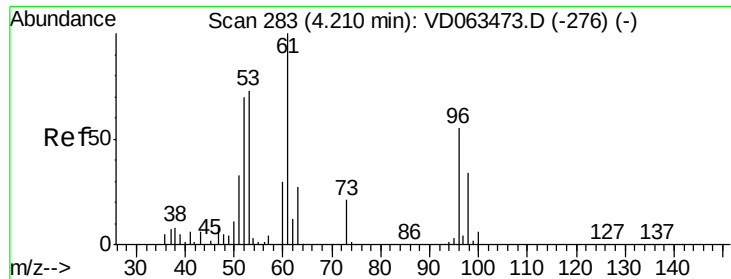


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 118.637 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.04 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

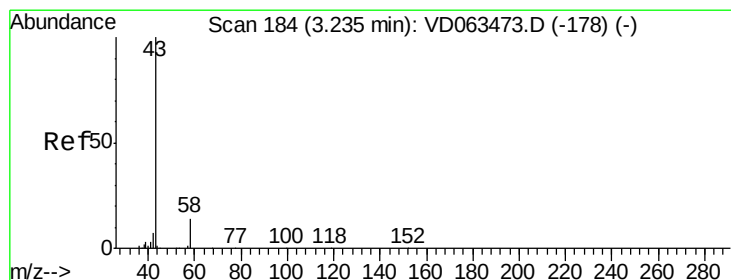
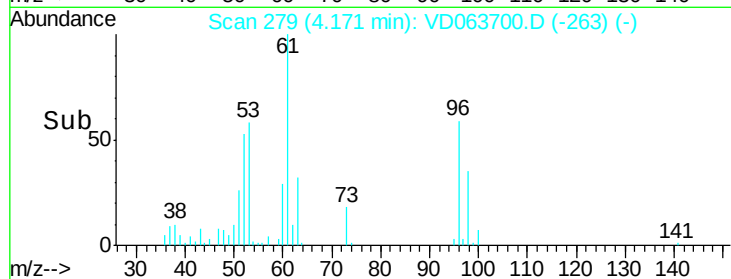
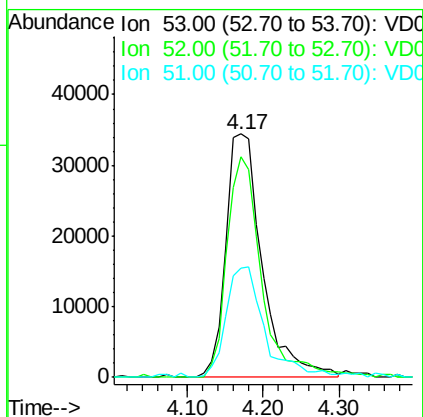
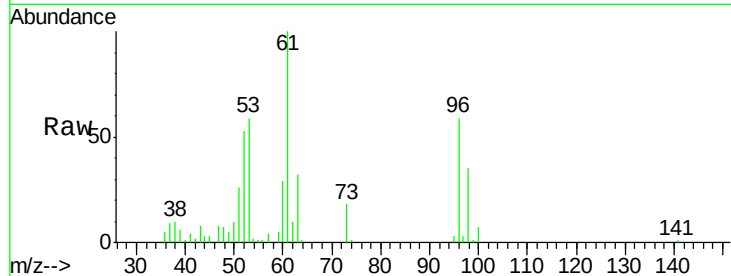
Tot Ion: 53 Resp: 114714

Ion Ratio Lower Upper

53 100

52 90.5 77.4 116.0

51 44.9 36.7 55.1



#16

Acetone

Concen: 93.259 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063700.D

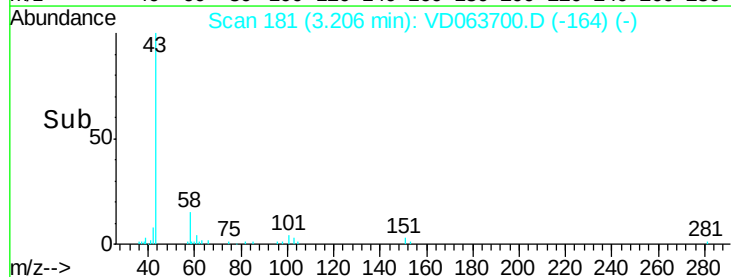
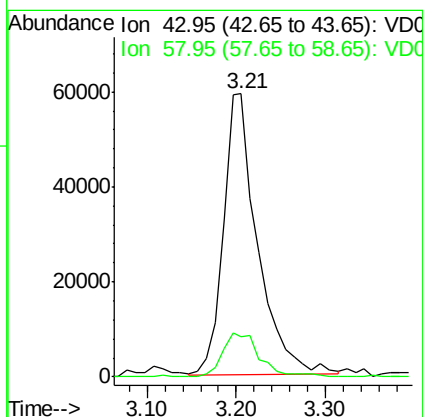
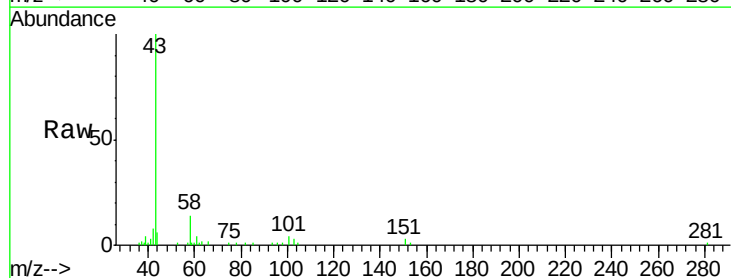
Acq: 20 Aug 2019 23:42

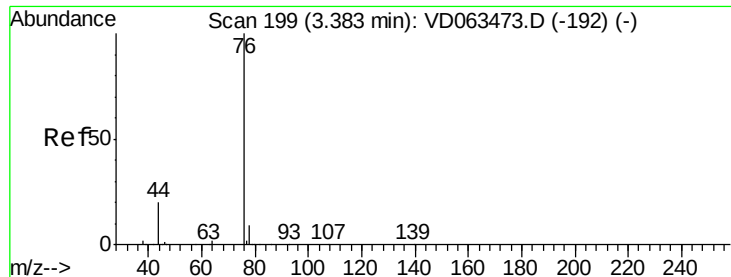
Tgt Ion: 43 Resp: 158976

Ion Ratio Lower Upper

43 100

58 14.2 11.4 17.2





#17

Carbon Disulfide

Concen: 19.849 ug/l

RT: 3.34 min Scan# 195

Delta R.T. -0.04 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

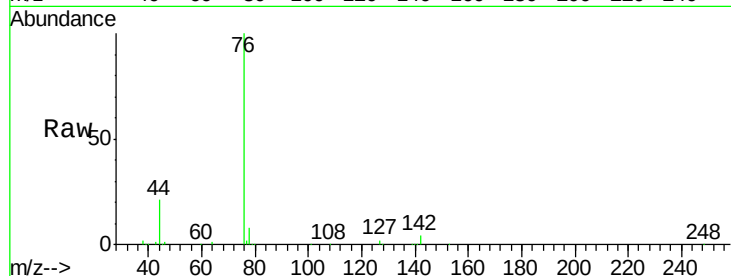
VD0820SBS02

Tot Ion: 76 Resp: 397113

Ion Ratio Lower Upper

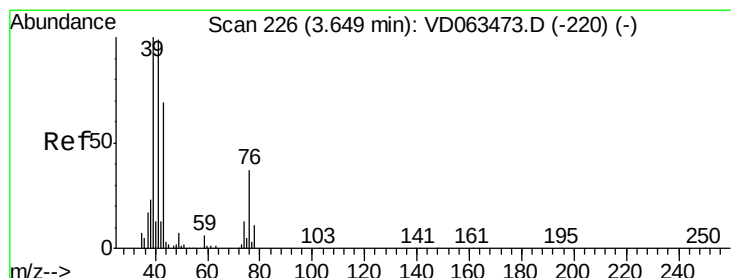
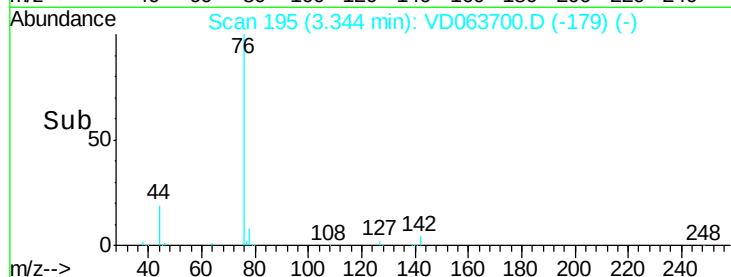
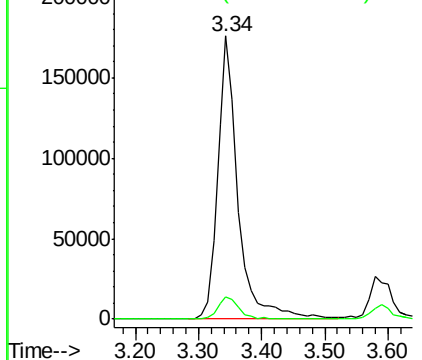
76 100

78 7.8 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 24.060 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.03 min

Lab File: VD063700.D

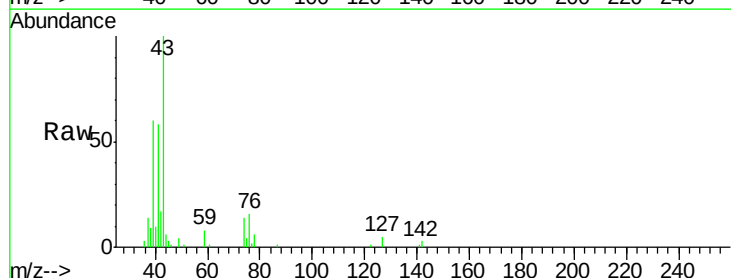
Acq: 20 Aug 2019 23:42

Tgt Ion: 43 Resp: 77686

Ion Ratio Lower Upper

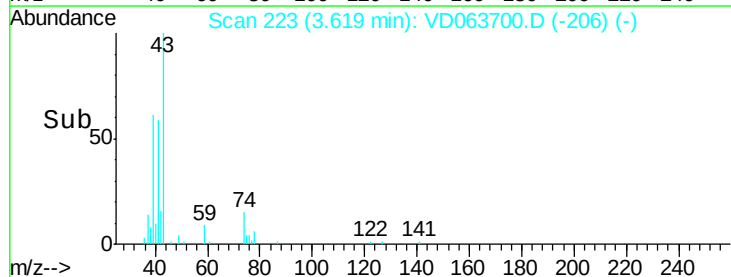
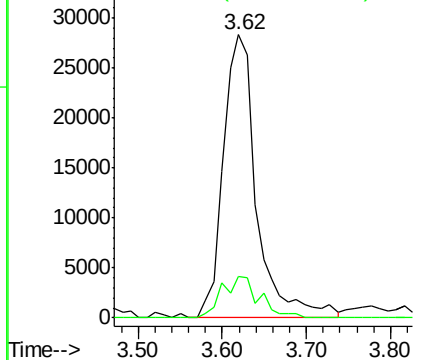
43 100

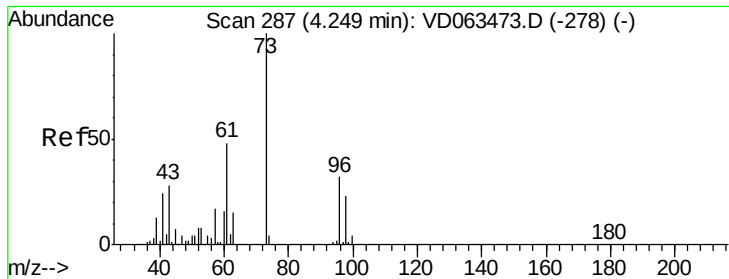
74 14.5 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



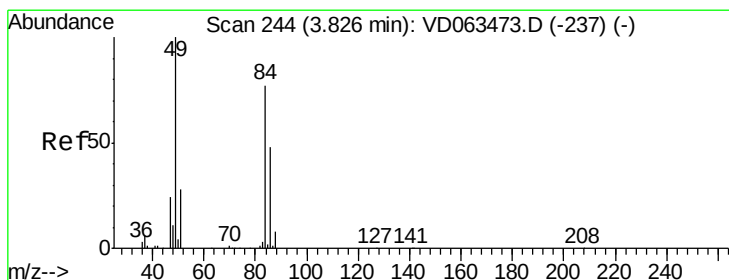
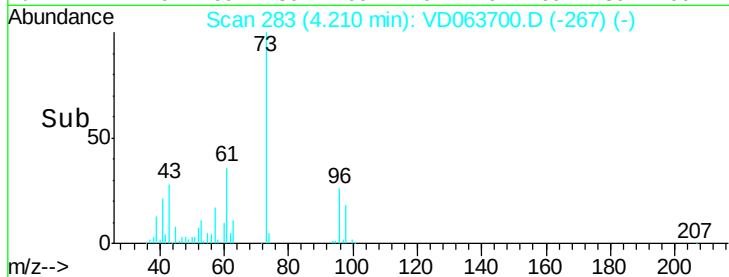
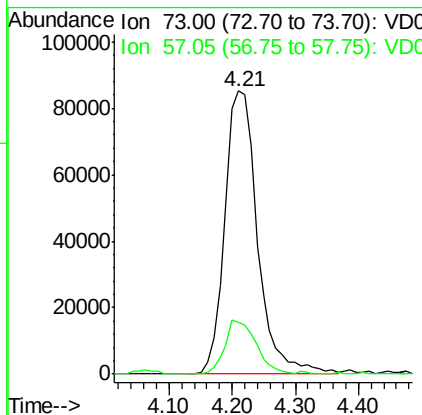
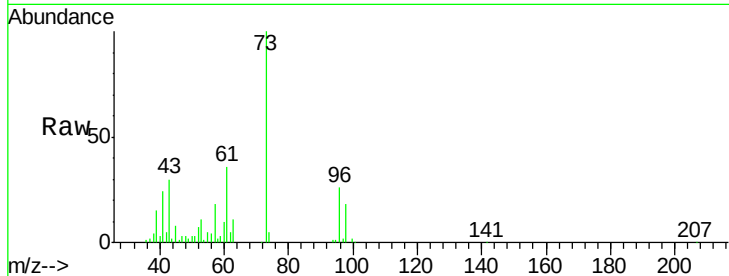


#19

Methyl tert-butyl Ether
 Concen: 24.103 ug/l
 RT: 4.21 min Scan# 283
 Delta R.T. -0.04 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0820SBS02

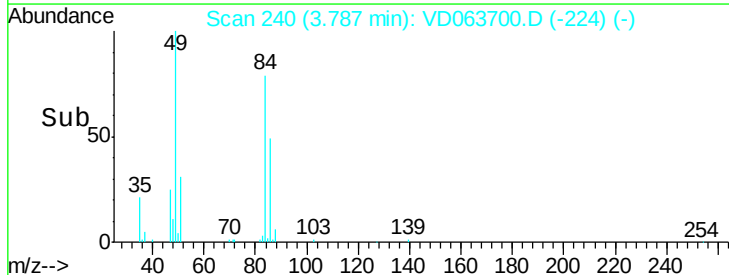
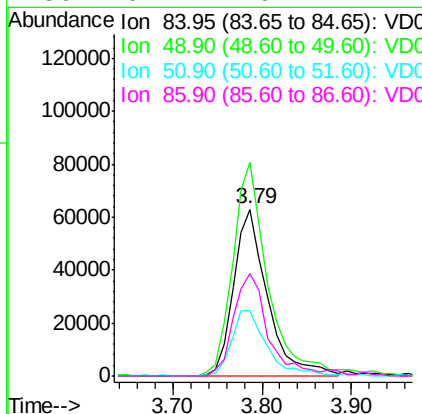
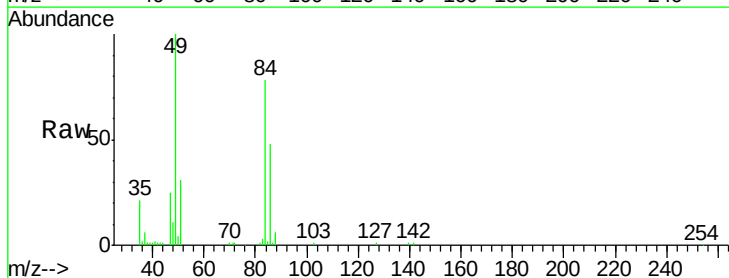
Tot Ion: 73 Resp: 305566
 Ion Ratio Lower Upper
 73 100
 57 18.3 14.0 21.0

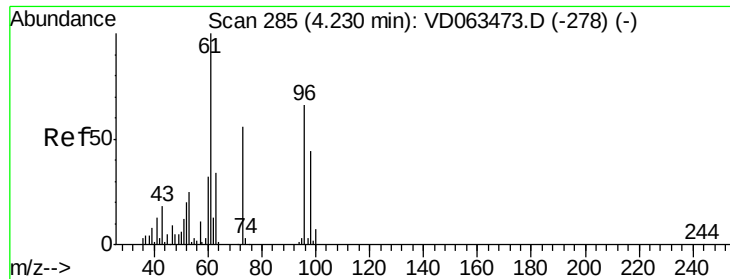


#20

Methylene Chloride
 Concen: 22.662 ug/l
 RT: 3.79 min Scan# 240
 Delta R.T. -0.04 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

Tgt Ion: 84 Resp: 167043
 Ion Ratio Lower Upper
 84 100
 49 128.1 103.4 155.2
 51 39.4 28.5 42.7
 86 61.7 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 23.788 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.04 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

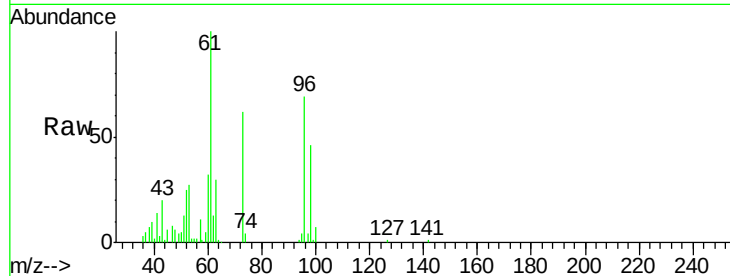
Tot Ion: 96 Resp: 158686

Ion Ratio Lower Upper

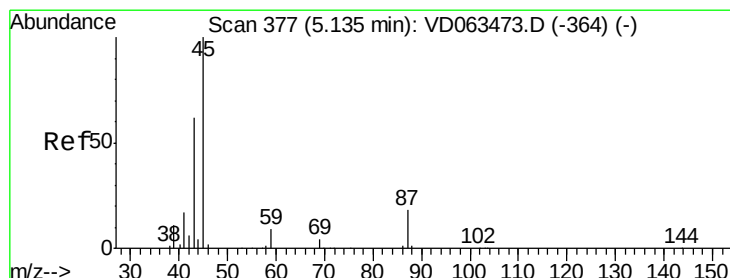
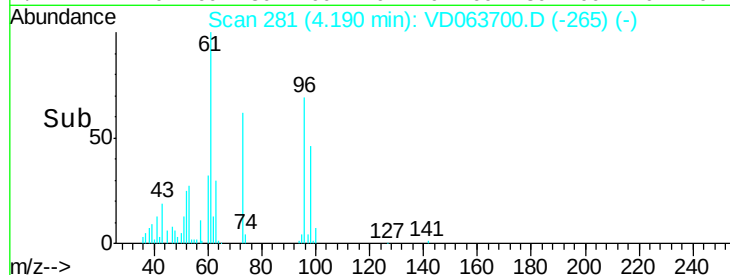
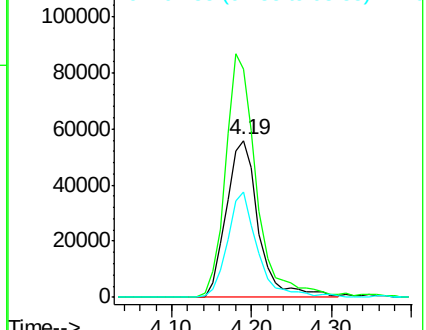
96 100

61 145.3 121.7 182.5

98 67.3 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: 22.582 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.04 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Tgt Ion: 45 Resp: 444074

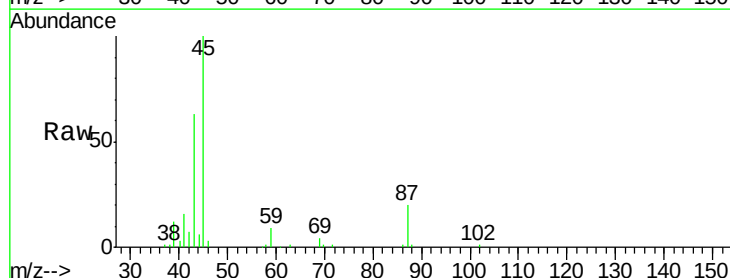
Ion Ratio Lower Upper

45 100

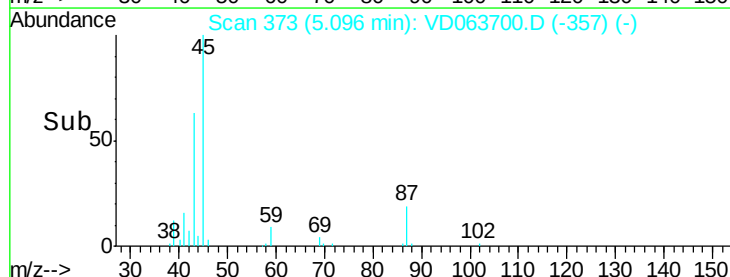
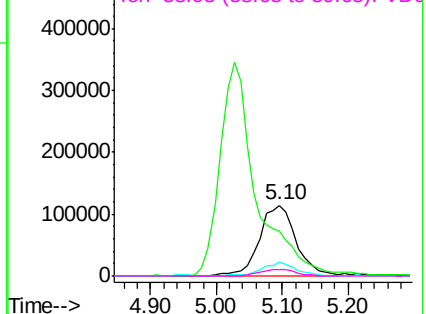
43 63.0 50.3 75.5

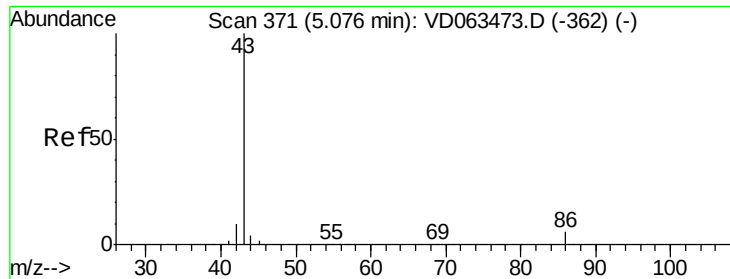
87 20.4 14.3 21.5

59 9.4 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: 115.965 ug/l

RT: 5.03 min Scan# 366

Delta R.T. -0.05 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

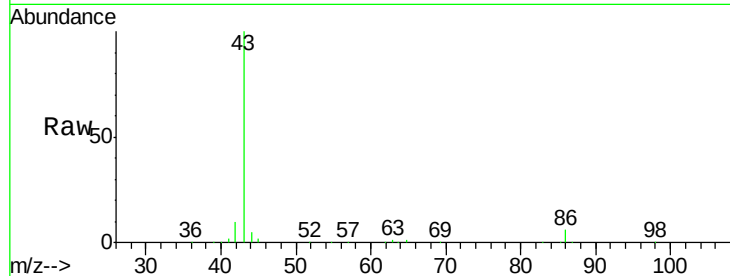
VD0820SBS02

Tot Ion: 43 Resp: 1325722

Ion Ratio Lower Upper

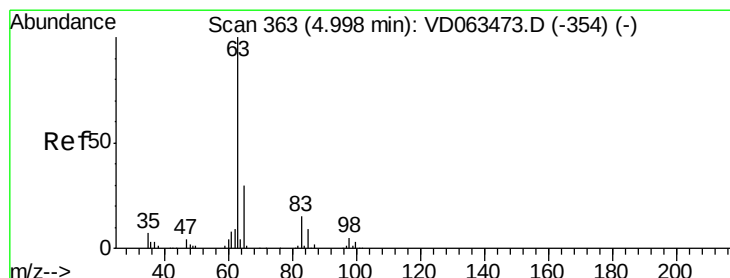
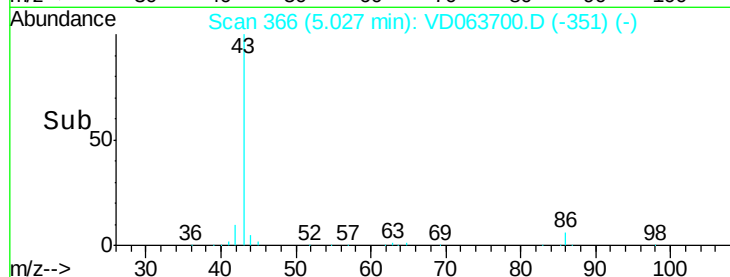
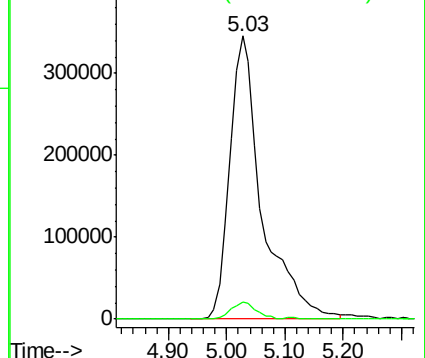
43 100

86 5.9 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: 21.984 ug/l

RT: 4.95 min Scan# 358

Delta R.T. -0.05 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

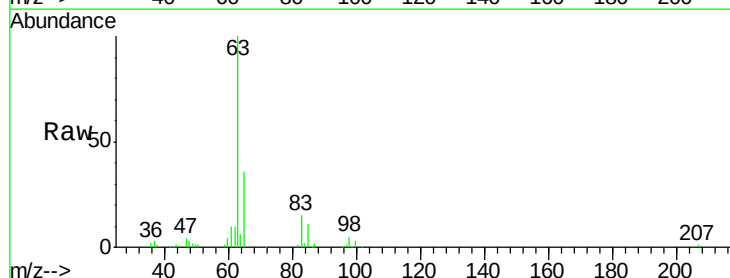
Tgt Ion: 63 Resp: 268131

Ion Ratio Lower Upper

63 100

98 5.0 2.4 7.2

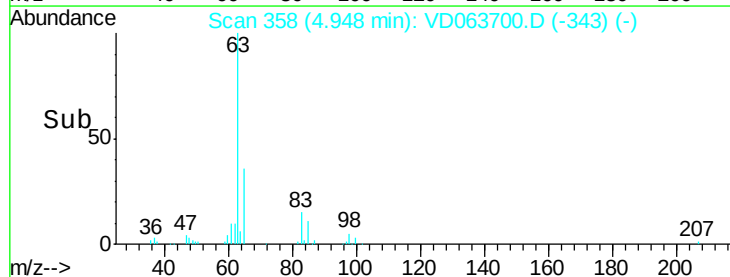
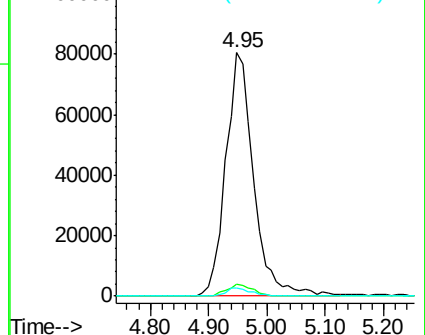
100 3.3 1.3 3.8

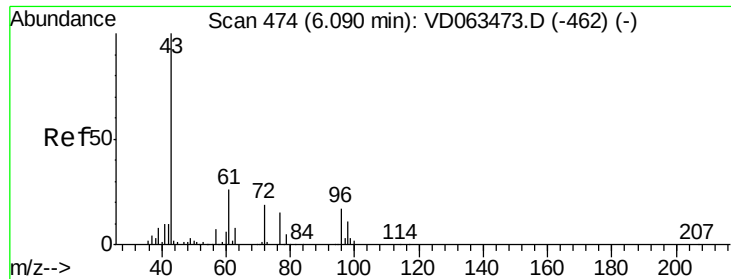


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 106.617 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.04 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

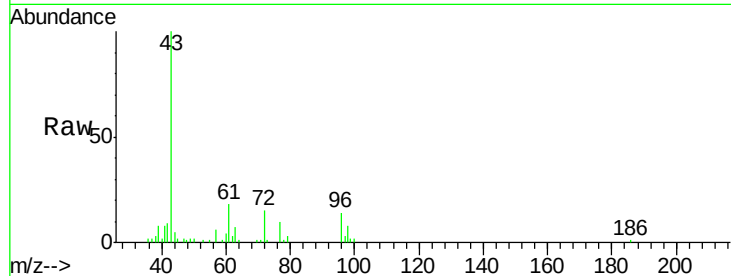
VD0820SBS02

Tot Ion: 43 Resp: 179498

Ion Ratio Lower Upper

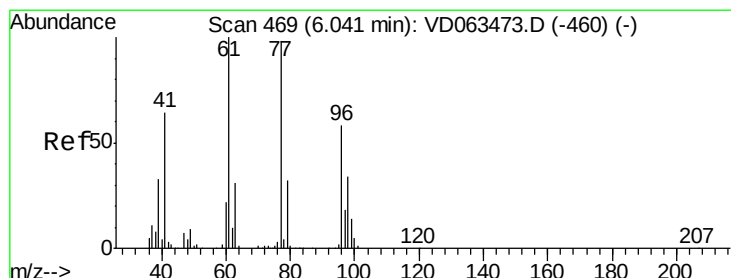
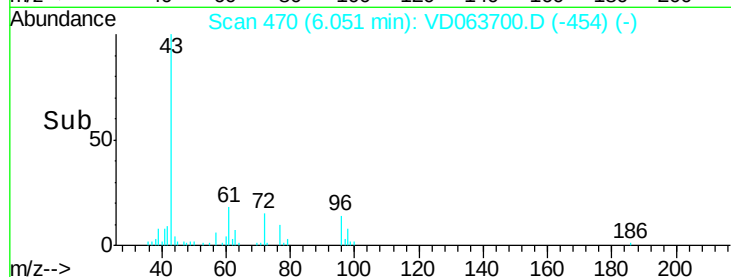
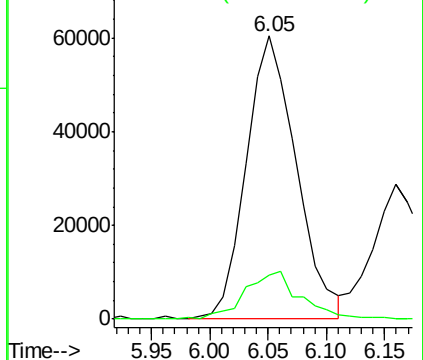
43 100

72 15.4 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: 20.754 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.05 min

Lab File: VD063700.D

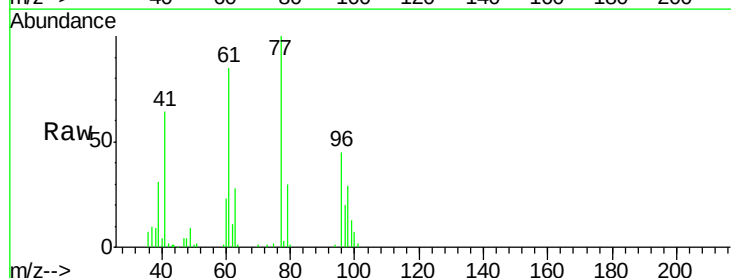
Acq: 20 Aug 2019 23:42

Tgt Ion: 77 Resp: 252122

Ion Ratio Lower Upper

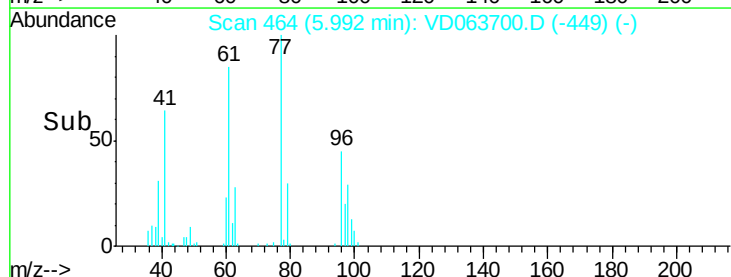
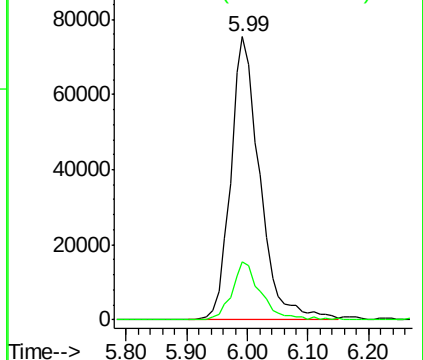
77 100

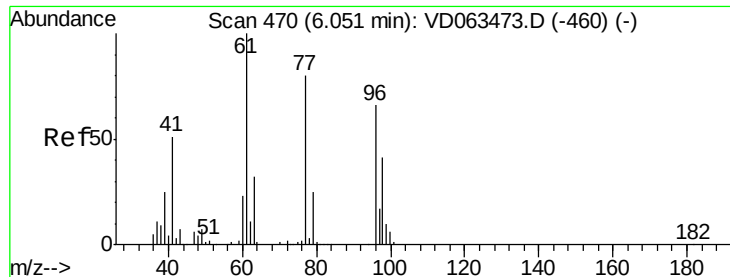
97 20.4 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



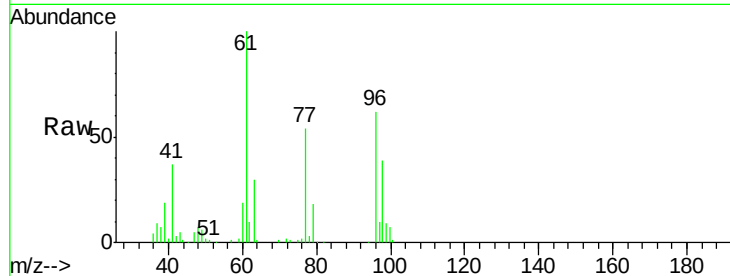


#27

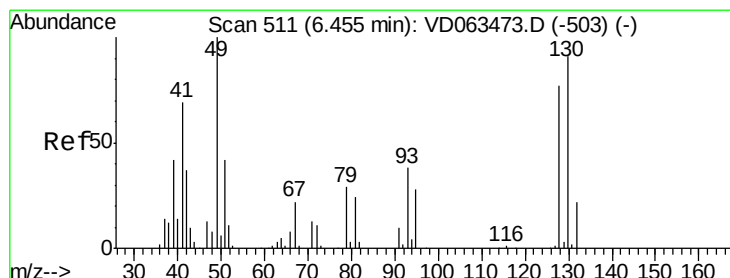
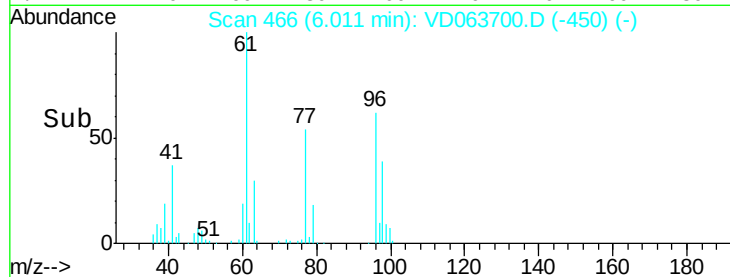
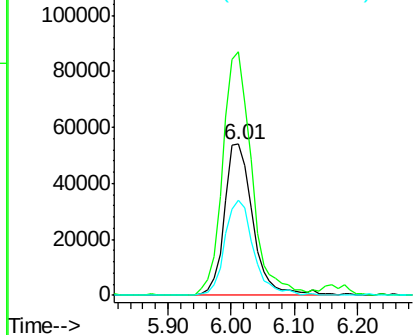
cis-1,2-Dichloroethene
Concen: 23.182 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.04 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.2	0.0	304.0
98	63.0	0.0	124.8



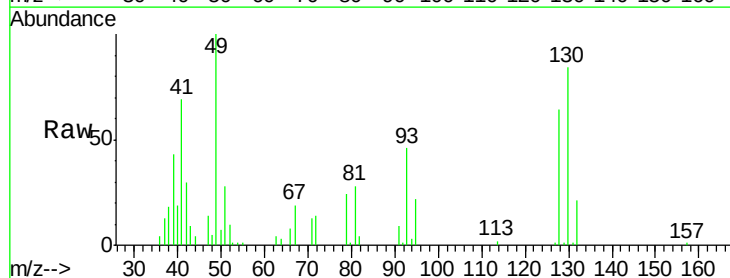
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



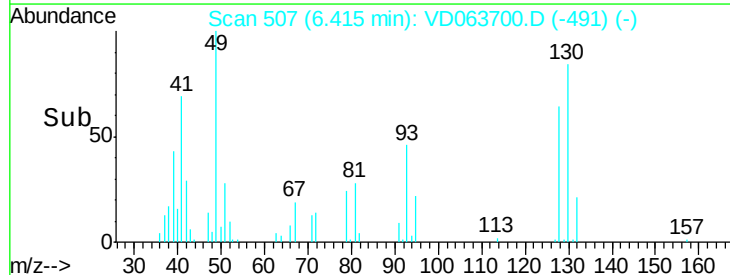
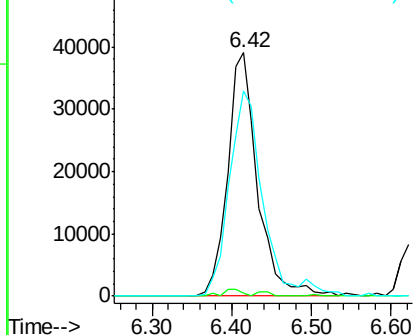
#28

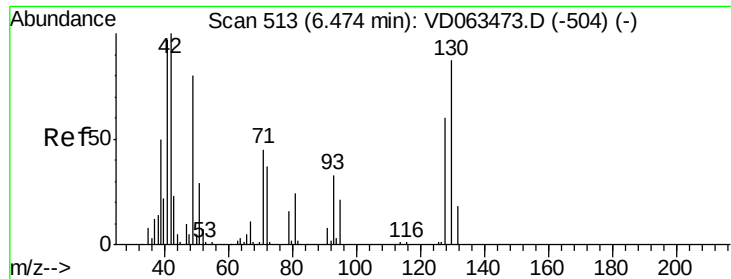
Bromochloromethane
Concen: 20.693 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.04 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	6.4
130	84.1	72.4	108.6



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

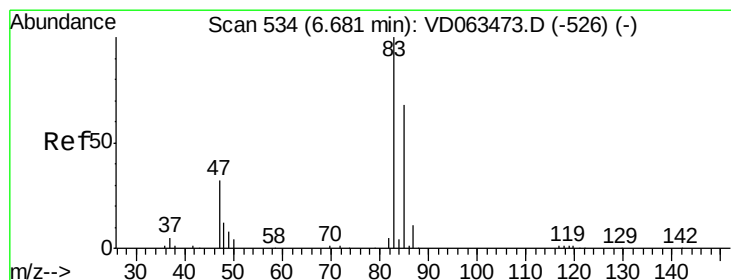
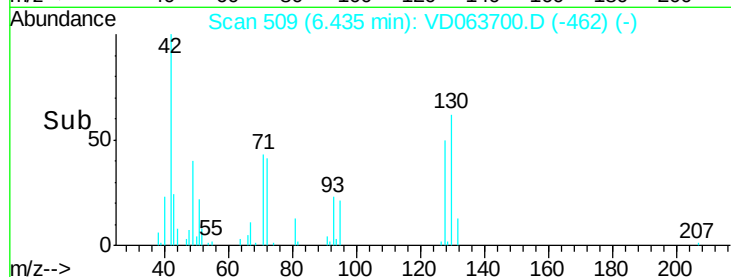
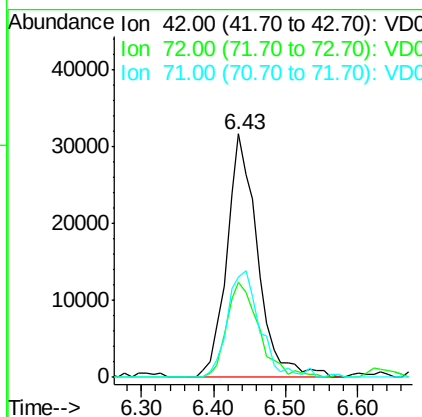
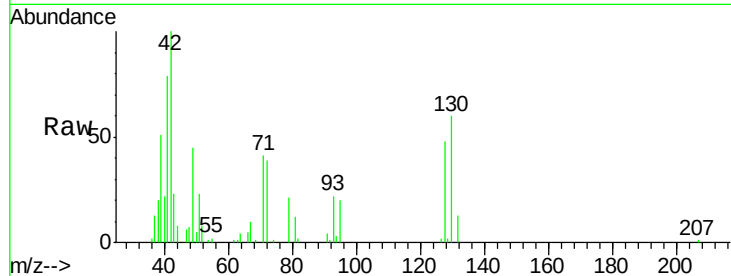




#29
Tetrahydrofuran
Concen: 119.762 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.04 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

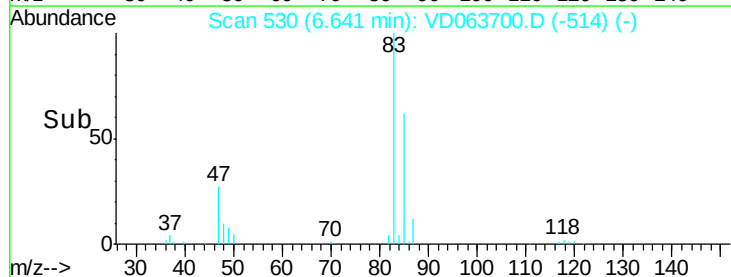
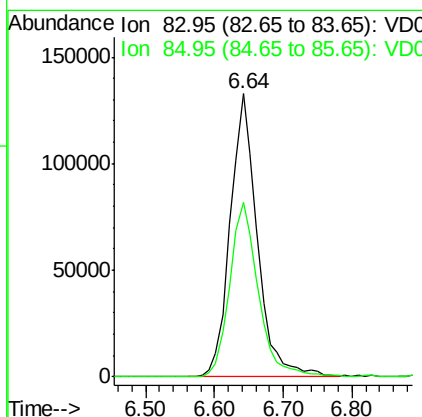
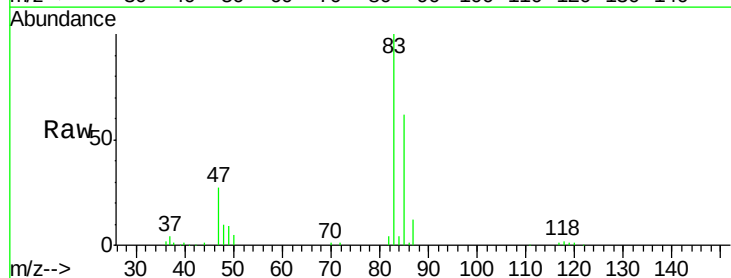
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

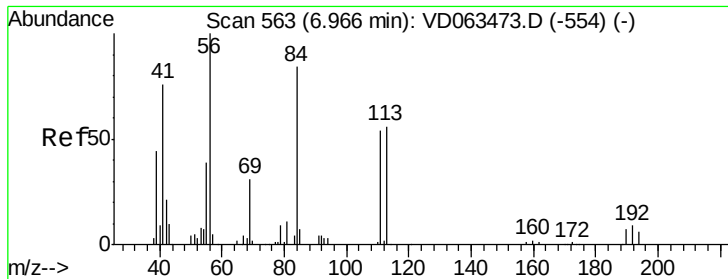
Tot Ion: 42 Resp: 93954
Ion Ratio Lower Upper
42 100
72 41.1 31.5 47.3
71 46.3 33.8 50.8



#30
Chloroform
Concen: 23.888 ug/l
RT: 6.64 min Scan# 530
Delta R.T. -0.04 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

Tgt Ion: 83 Resp: 362142
Ion Ratio Lower Upper
83 100
85 61.5 54.8 82.2

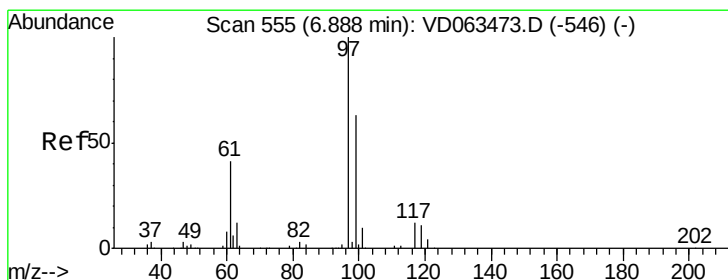
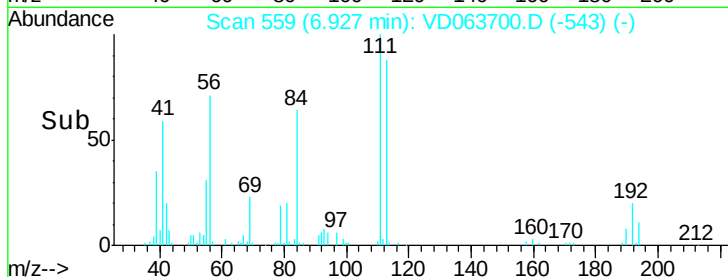
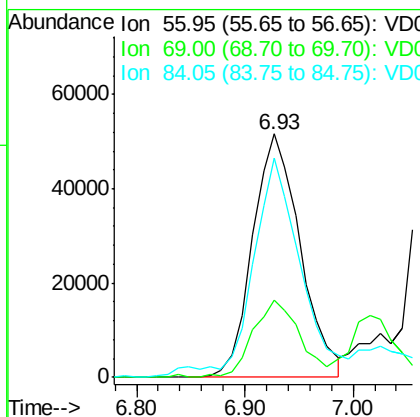
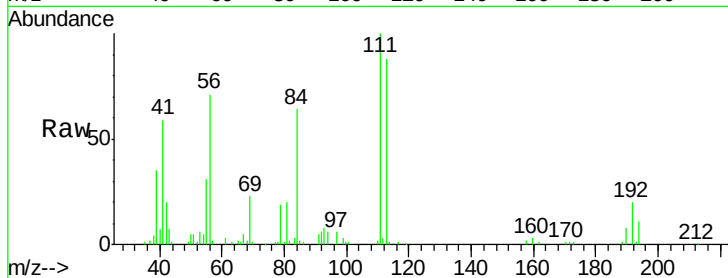




#31
Cyclohexane
Concen: 20.813 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.04 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

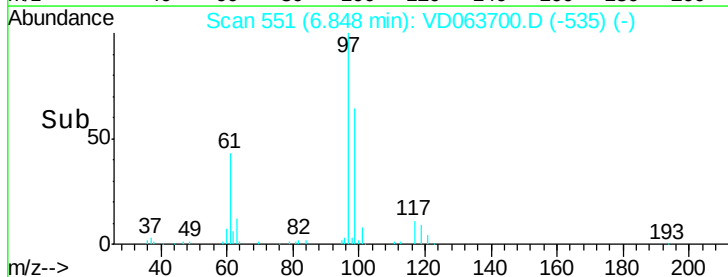
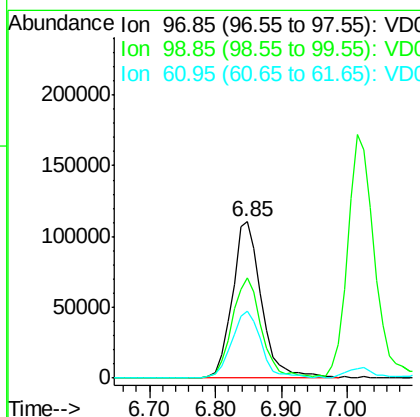
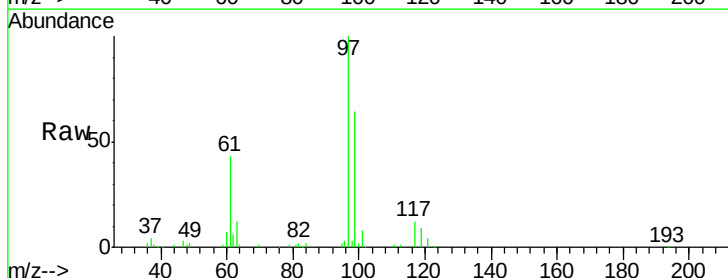
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

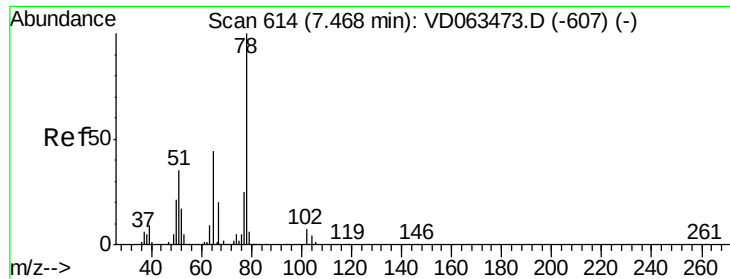
Tot Ion: 56 Resp: 157590
Ion Ratio Lower Upper
56 100
69 31.7 25.0 37.6
84 90.2 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 23.631 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.04 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

Tgt Ion: 97 Resp: 342700
Ion Ratio Lower Upper
97 100
99 64.1 50.2 75.4
61 43.2 33.1 49.7

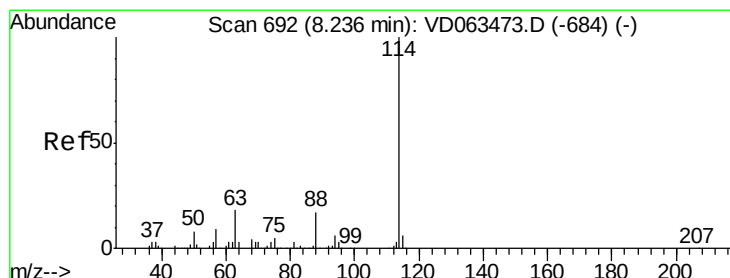
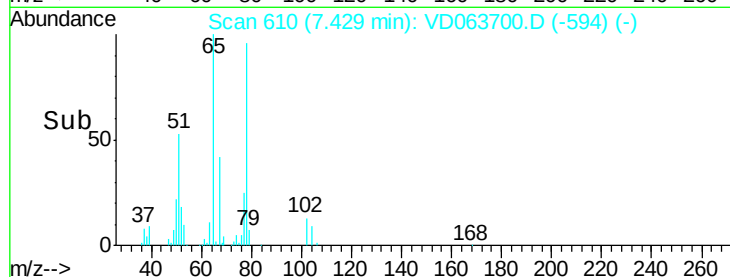
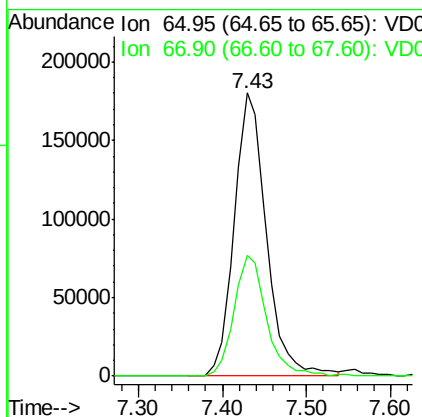
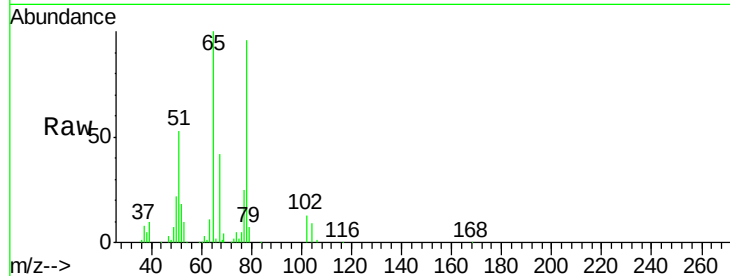




#33
 1,2-Dichloroethane-d4
 Concen: 57.100 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.04 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

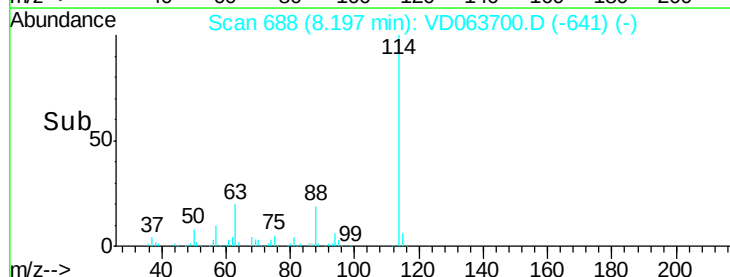
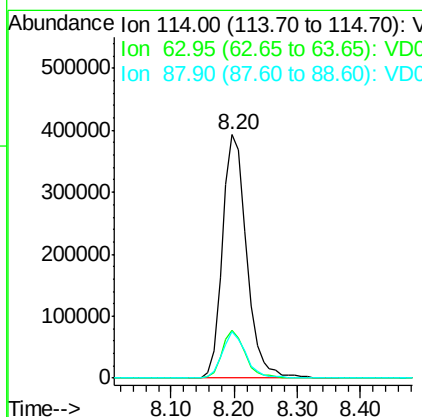
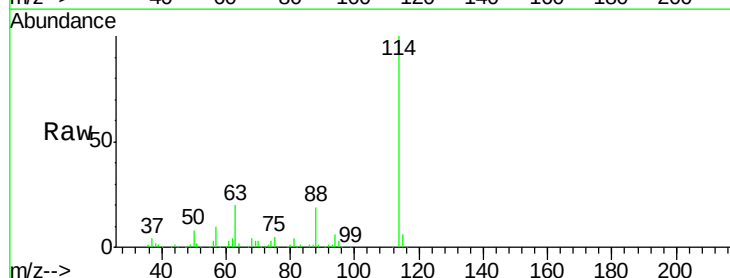
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

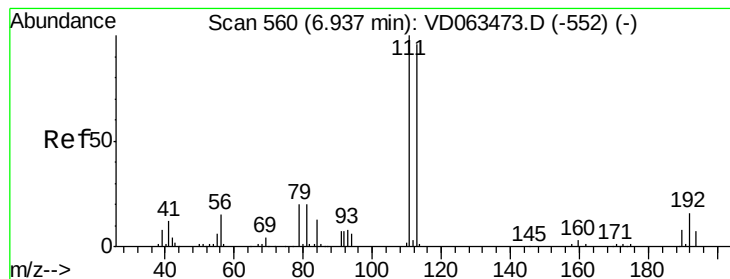
Tot Ion: 65 Resp: 478826
 Ion Ratio Lower Upper
 65 100
 67 42.5 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.04 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

Tgt Ion: 114 Resp: 1048158
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 36.2
 88 18.9 0.0 35.0





#35

Dibromofluoromethane

Concen: 56.886 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

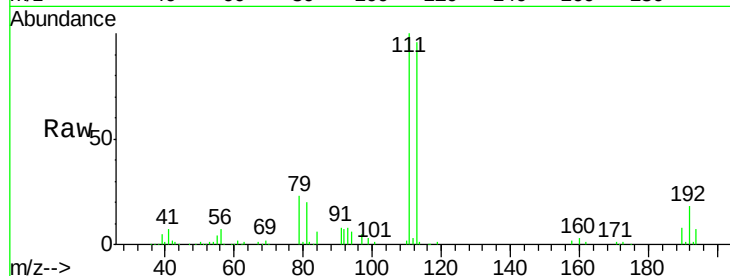
Tot Ion:113 Resp: 502169

Ion Ratio Lower Upper

113 100

111 104.2 83.1 124.7

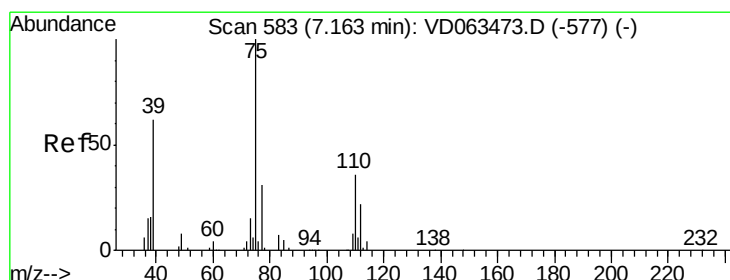
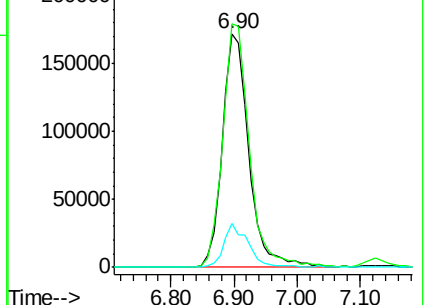
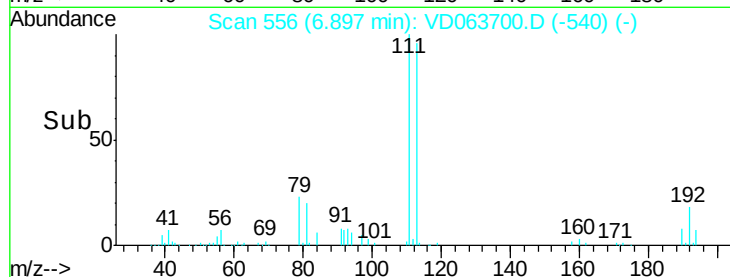
192 19.0 13.1 19.7



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: 24.623 ug/l

RT: 7.12 min Scan# 579

Delta R.T. -0.04 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

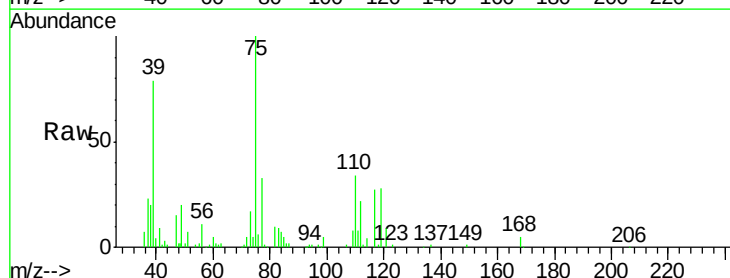
Tgt Ion: 75 Resp: 228155

Ion Ratio Lower Upper

75 100

110 33.9 17.6 52.8

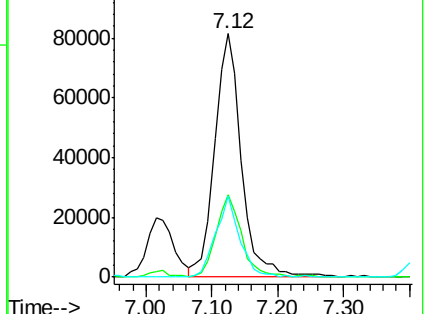
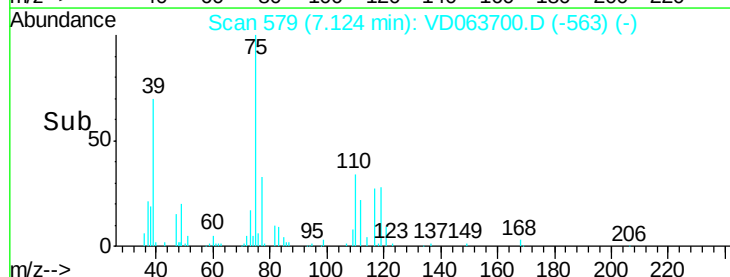
77 33.2 24.3 36.5

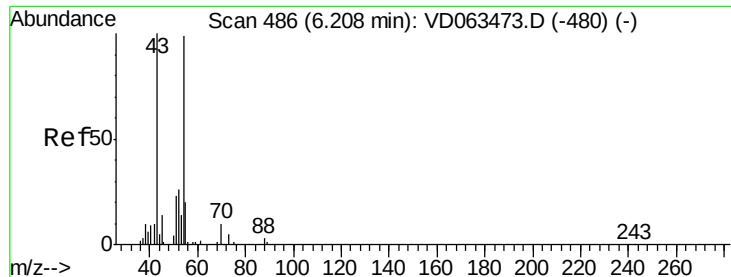


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

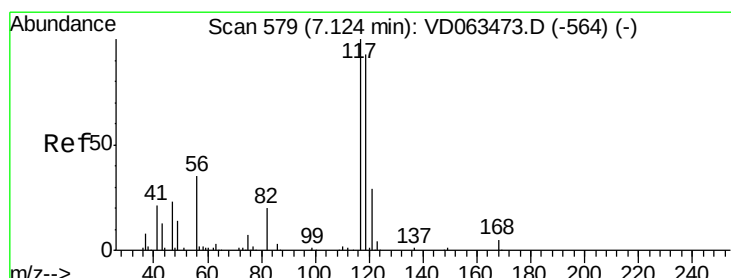
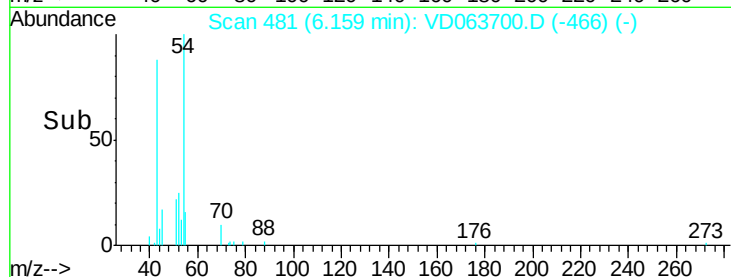
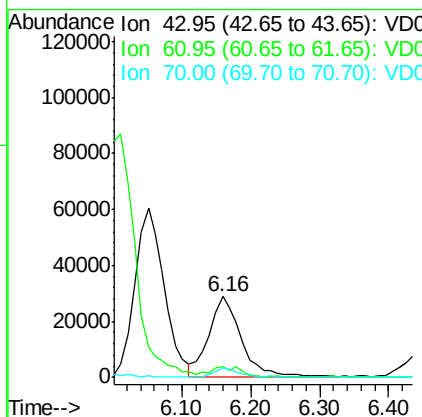
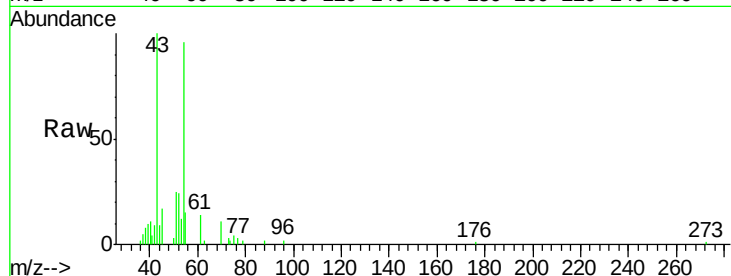




#37
Ethyl Acetate
Concen: 24.629 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.05 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

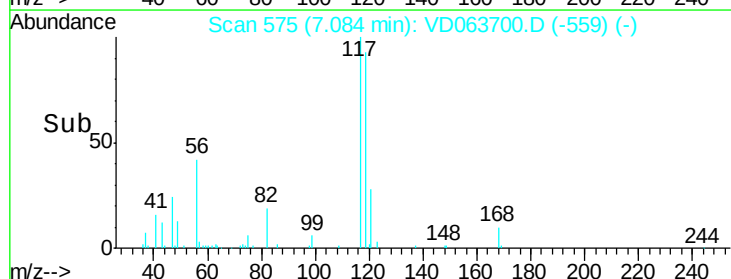
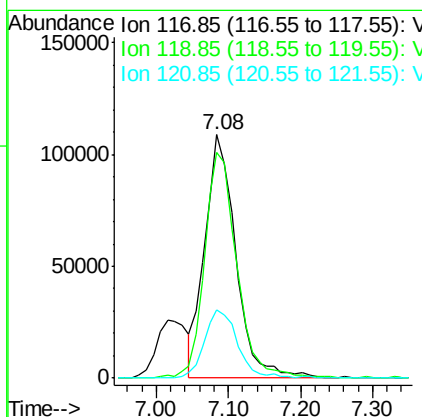
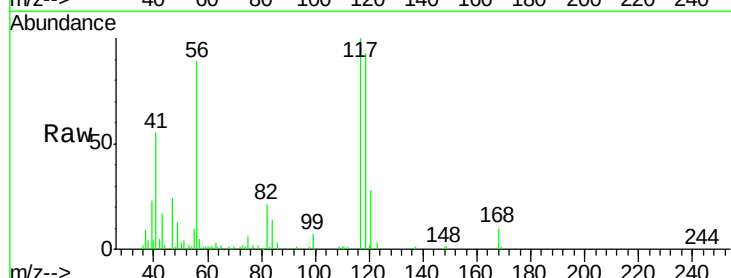
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

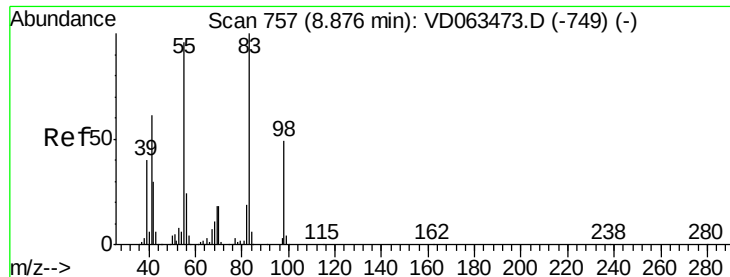
Tot Ion: 43 Resp: 95627
Ion Ratio Lower Upper
43 100
61 13.8 9.0 13.6#
70 11.2 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 23.171 ug/l
RT: 7.08 min Scan# 575
Delta R.T. -0.04 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

Tgt Ion: 117 Resp: 323575
Ion Ratio Lower Upper
117 100
119 92.7 74.2 111.2
121 27.9 23.1 34.7

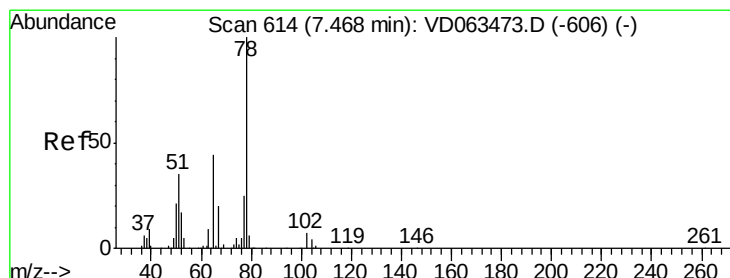
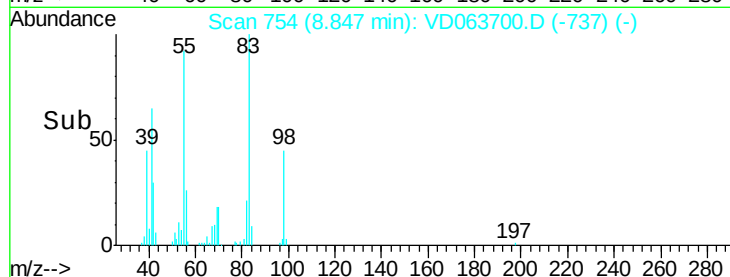
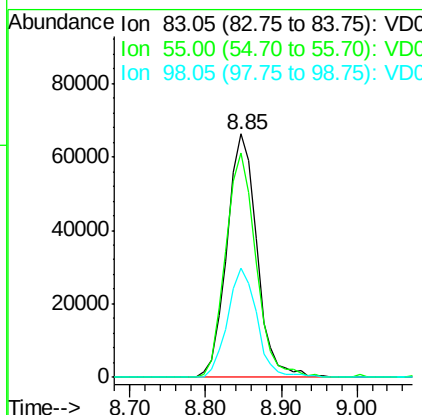
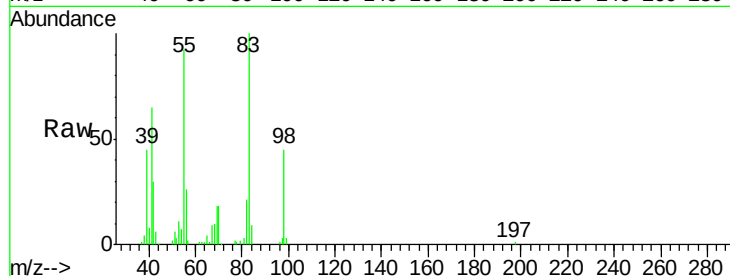




#39
Methylvlcyclohexane
Concen: 23.007 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.03 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

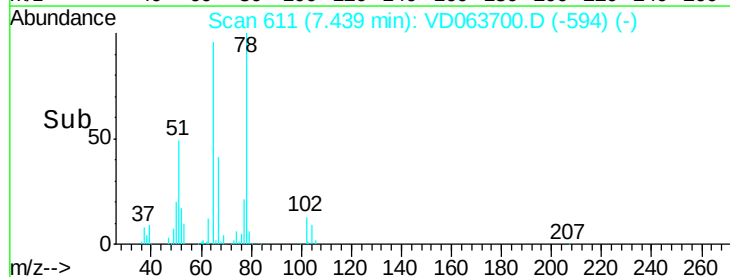
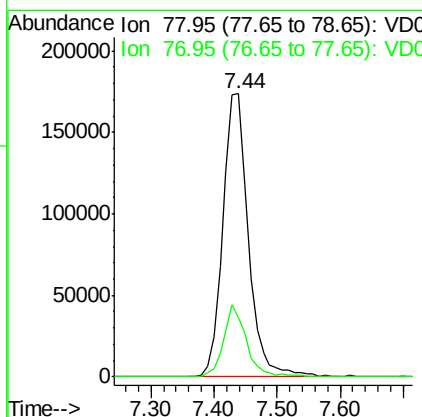
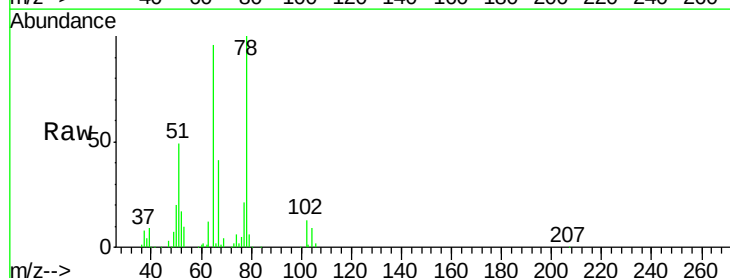
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

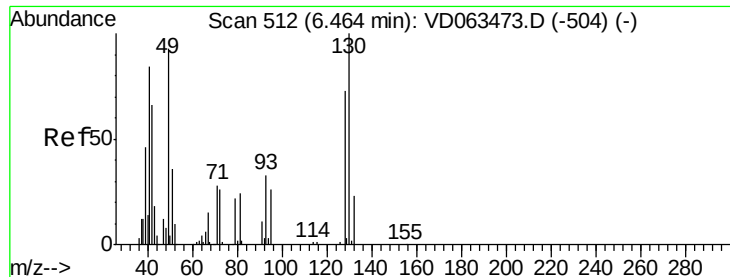
Tot Ion: 83 Resp: 181276
Ion Ratio Lower Upper
83 100
55 92.1 76.6 114.8
98 44.8 39.4 59.0



#40
Benzene
Concen: 23.951 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

Tgt Ion: 78 Resp: 488393
Ion Ratio Lower Upper
78 100
77 21.1 20.1 30.1





#41

Methacrylonitrile

Concen: 25.009 ug/l

RT: 6.42 min Scan# 508

Delta R.T. -0.04 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

Tot Ion: 41 Resp: 122265

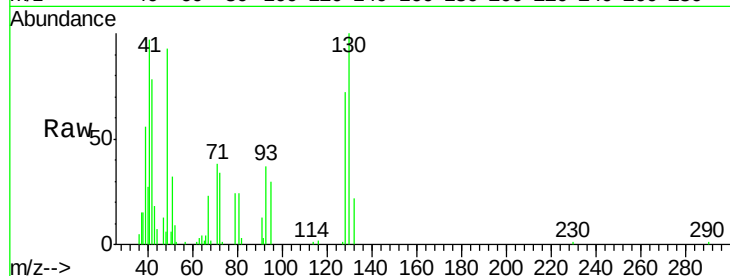
Ion Ratio Lower Upper

41 100

39 57.9 44.6 66.8

67 23.3 14.4 21.6#

52 9.3 9.3 13.9

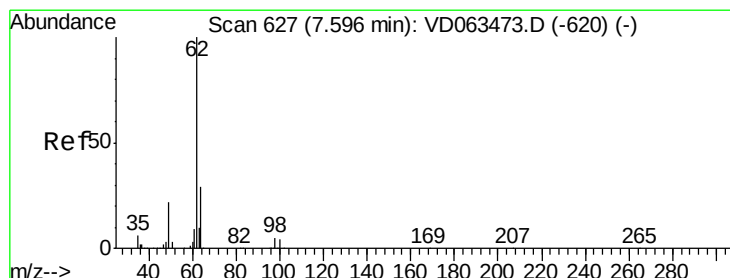
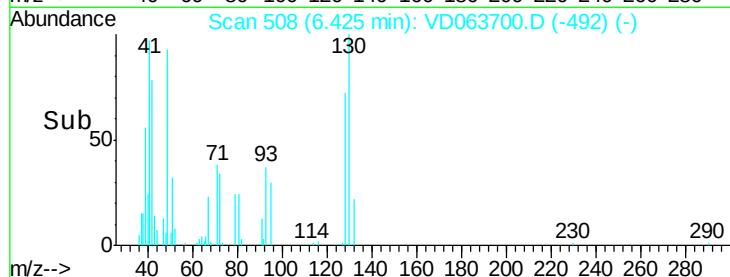
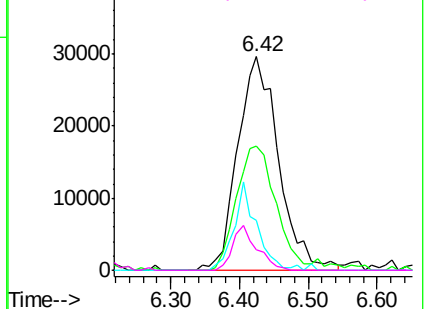


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 25.360 ug/l

RT: 7.56 min Scan# 623

Delta R.T. -0.04 min

Lab File: VD063700.D

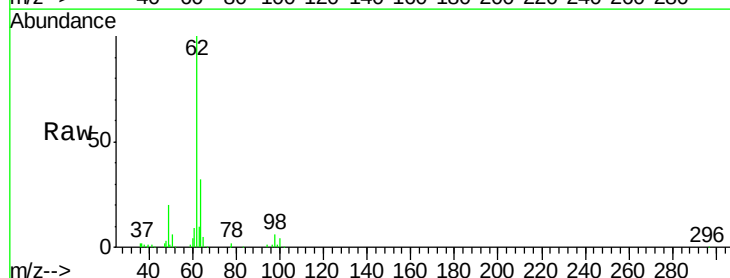
Acq: 20 Aug 2019 23:42

Tgt Ion: 62 Resp: 260019

Ion Ratio Lower Upper

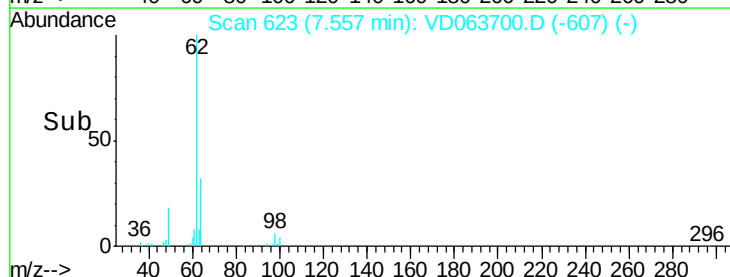
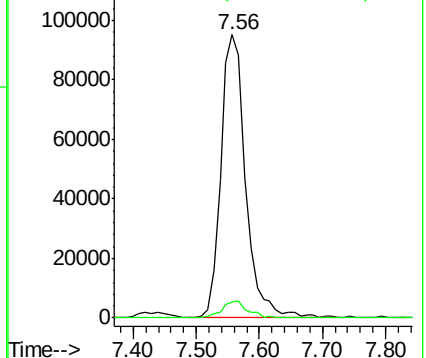
62 100

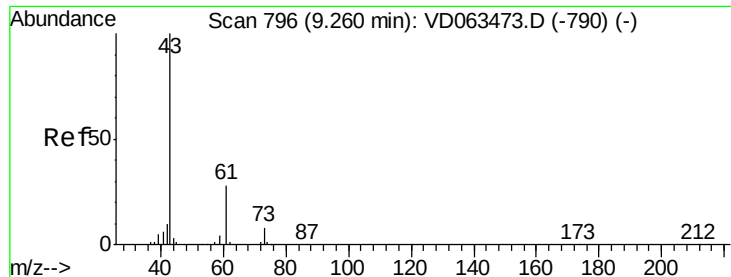
98 5.6 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 23.931 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

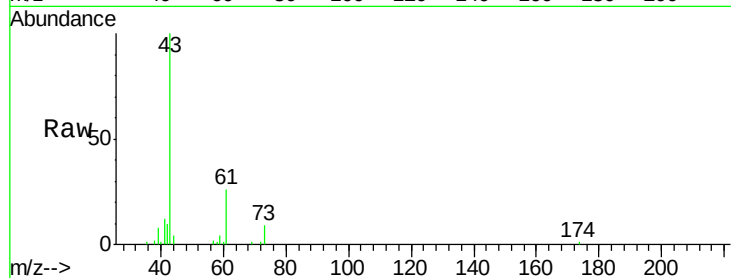
Tot Ion: 43 Resp: 124444

Ion Ratio Lower Upper

43 100

61 26.0 22.2 33.2

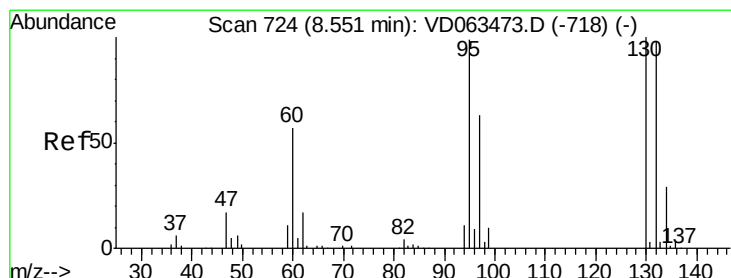
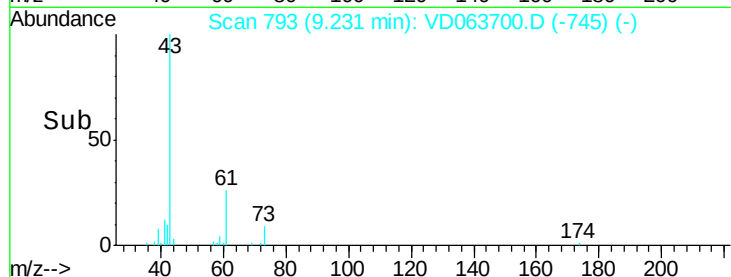
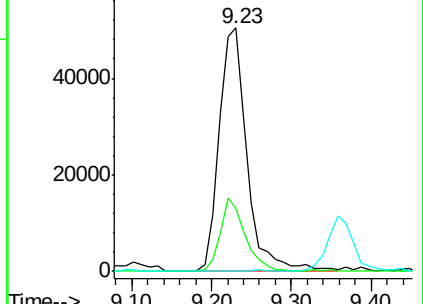
87 0.0 0.2 0.4#



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: 22.292 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.03 min

Lab File: VD063700.D

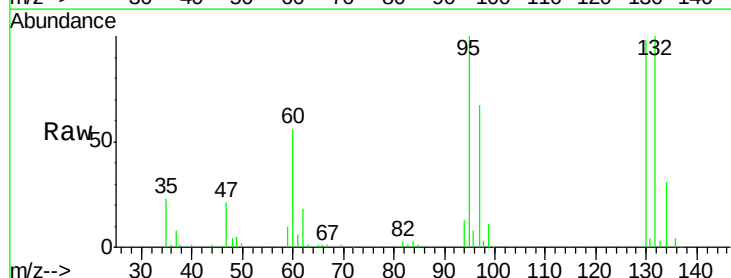
Acq: 20 Aug 2019 23:42

Tgt Ion: 130 Resp: 173744

Ion Ratio Lower Upper

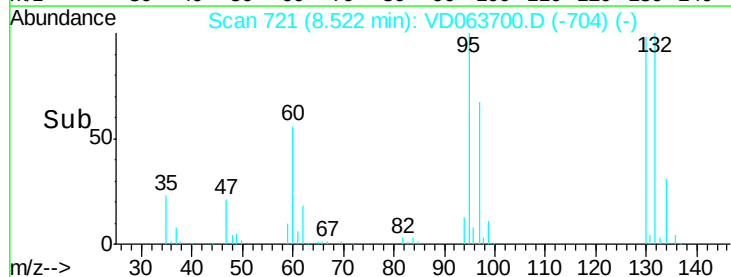
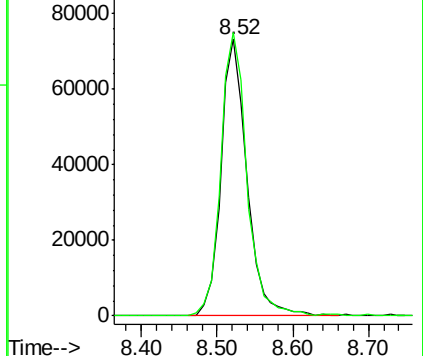
130 100

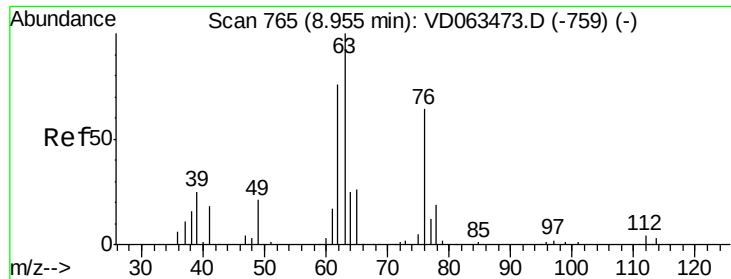
95 102.2 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

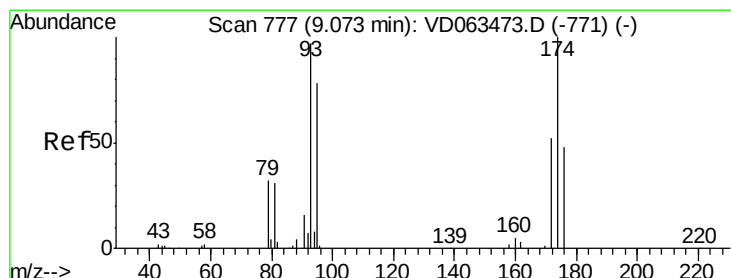
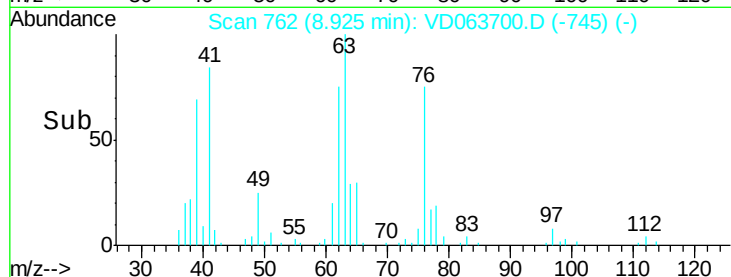
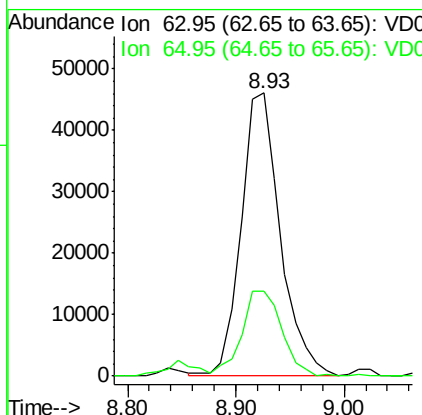
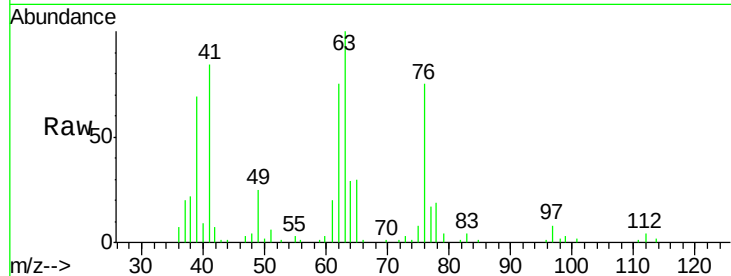




#45
 1,2-Dichloropropane
 Concen: 24.379 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. -0.03 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

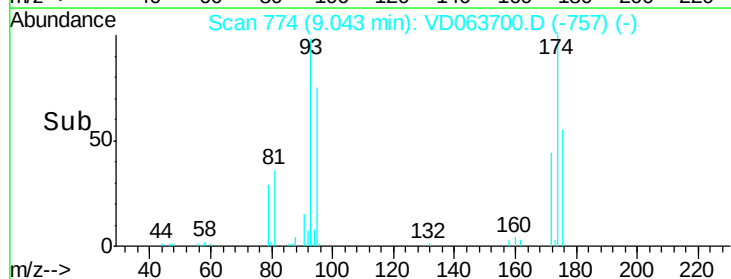
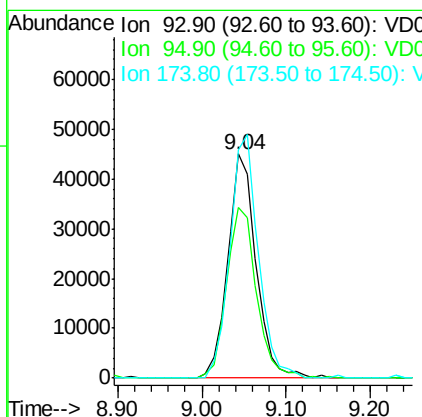
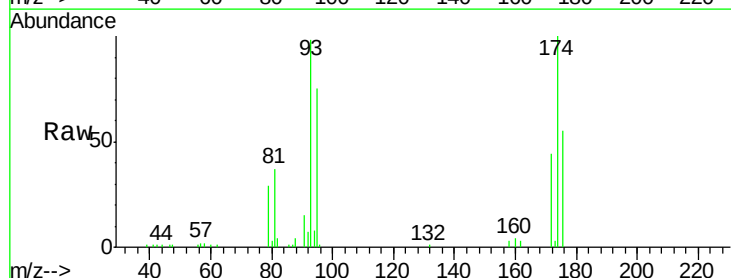
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

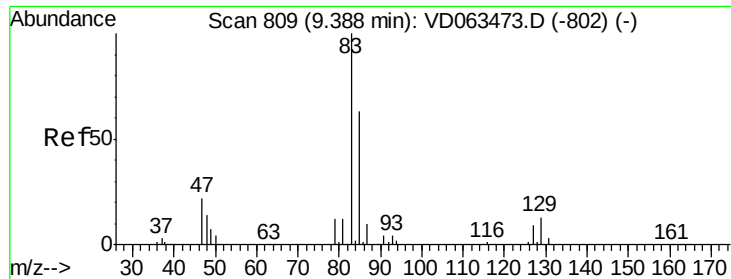
Tot Ion: 63 Resp: 115767
 Ion Ratio Lower Upper
 63 100
 65 30.0 22.5 33.7



#46
 Dibromomethane
 Concen: 25.932 ug/l
 RT: 9.04 min Scan# 774
 Delta R.T. -0.03 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

Tgt Ion: 93 Resp: 105159
 Ion Ratio Lower Upper
 93 100
 95 75.9 64.2 96.2
 174 101.8 82.1 123.1





#47

Bromodichloromethane

Concen: 24.063 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

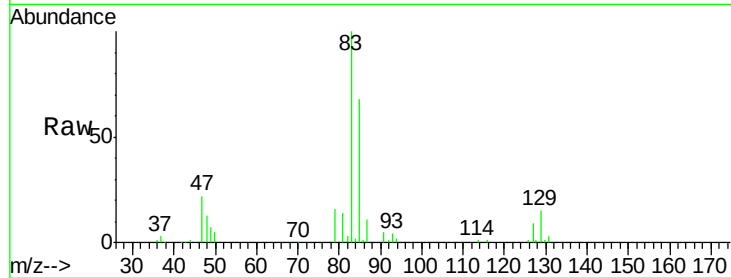
Tot Ion: 83 Resp: 250306

Ion Ratio Lower Upper

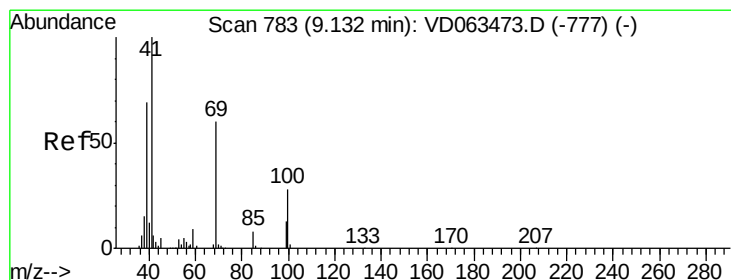
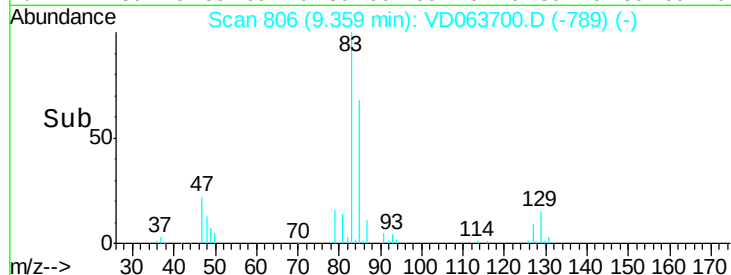
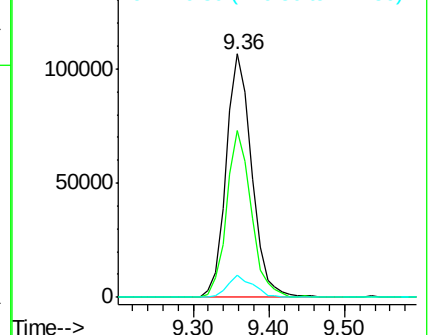
83 100

85 68.4 50.1 75.1

127 9.1 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: 24.884 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

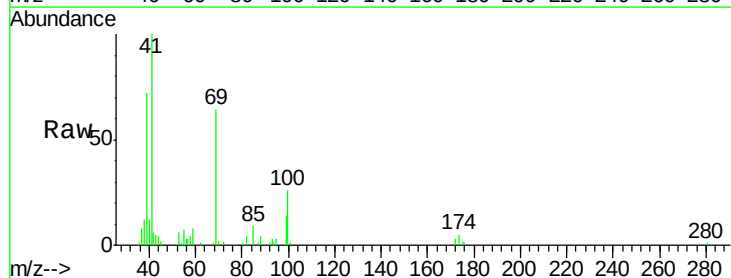
Tgt Ion: 41 Resp: 87756

Ion Ratio Lower Upper

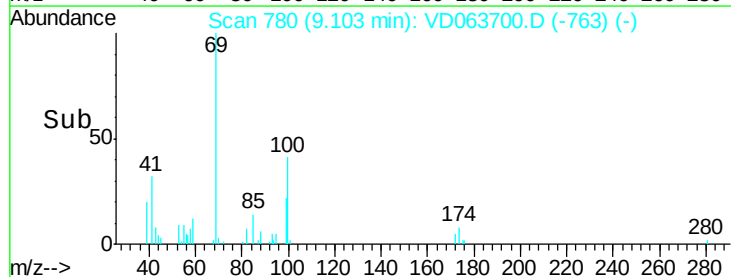
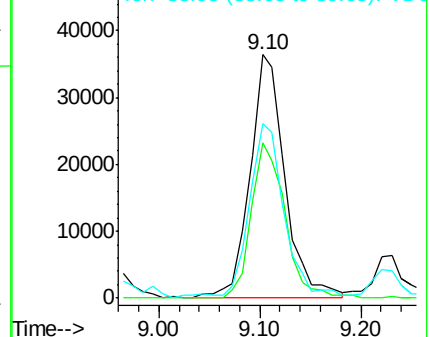
41 100

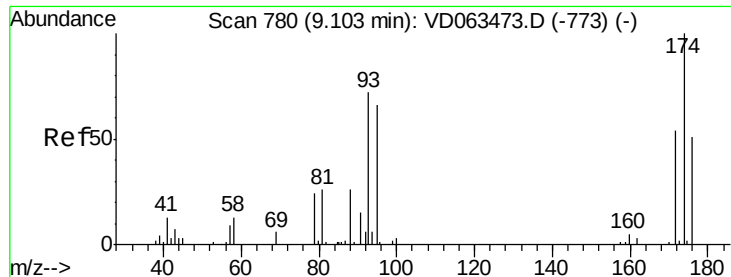
69 63.5 47.6 71.4

39 71.8 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

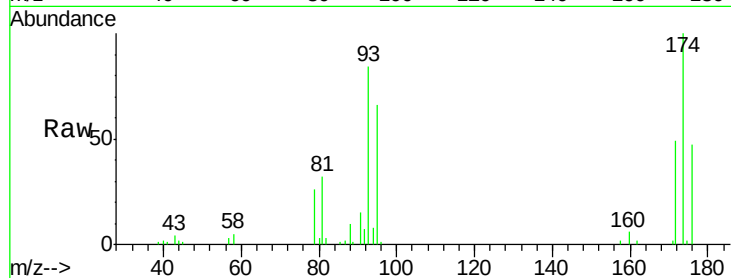




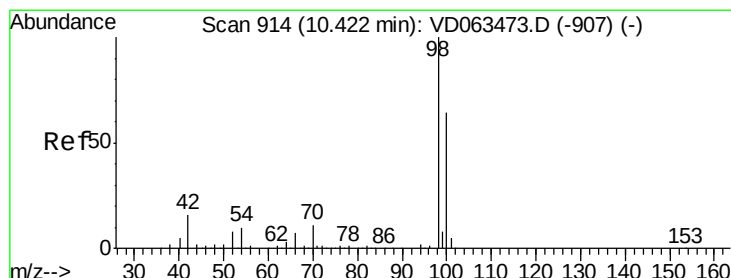
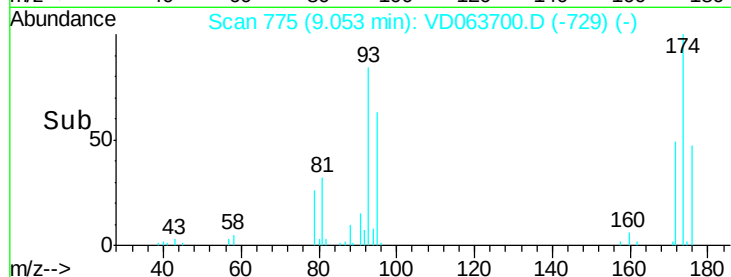
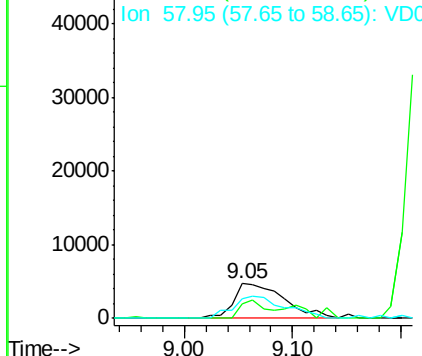
#49
 1,4-Dioxane
 Concen: 499.726 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. -0.05 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

Tot Ion: 88 Resp: 15338
 Ion Ratio Lower Upper
 88 100
 43 40.5 22.9 34.3#
 58 55.6 40.1 60.1

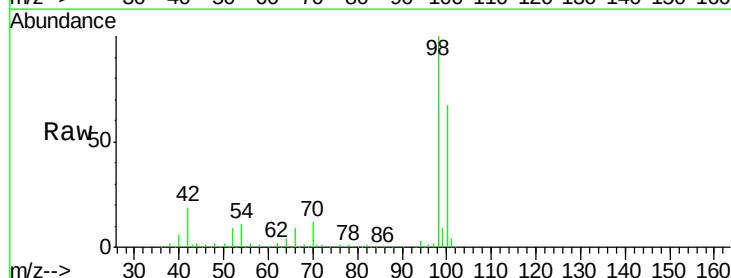


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

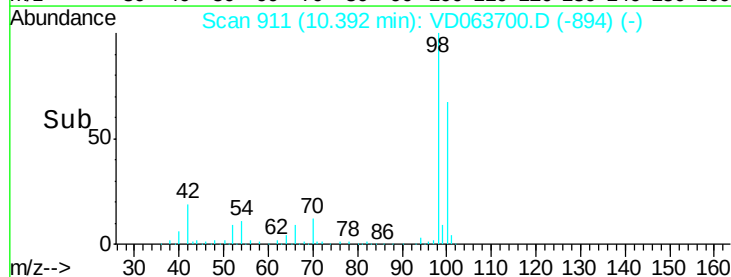
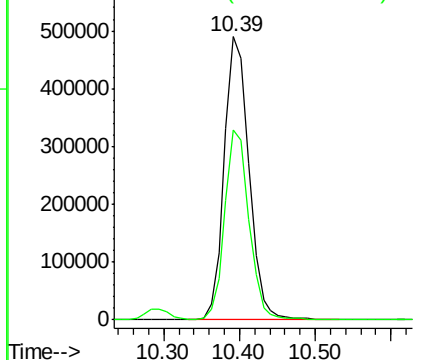


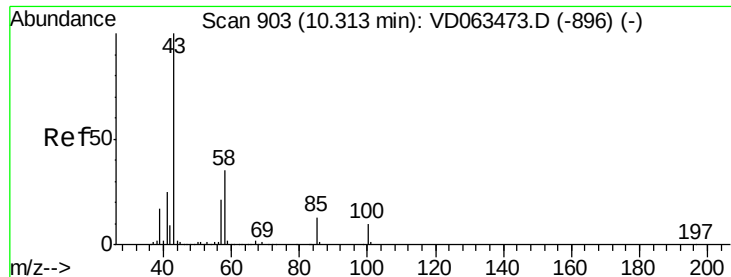
#50
 Toluene-d8
 Concen: 57.084 ug/l
 RT: 10.39 min Scan# 911
 Delta R.T. -0.03 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

Tgt Ion: 98 Resp: 1107890
 Ion Ratio Lower Upper
 98 100
 100 66.9 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: 127.492 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

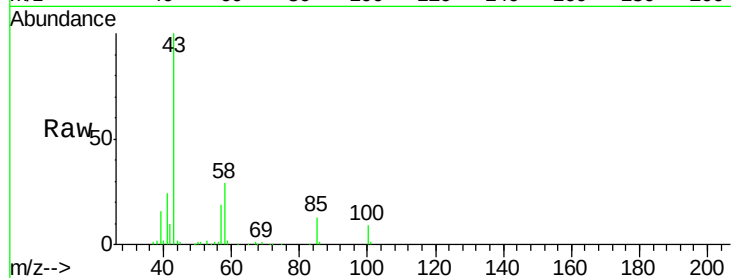
VD0820SBS02

Tot Ion: 43 Resp: 453663

Ion Ratio Lower Upper

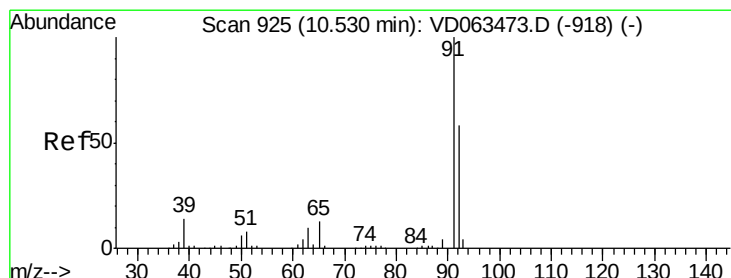
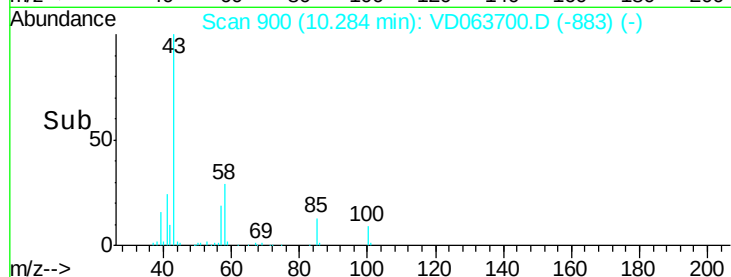
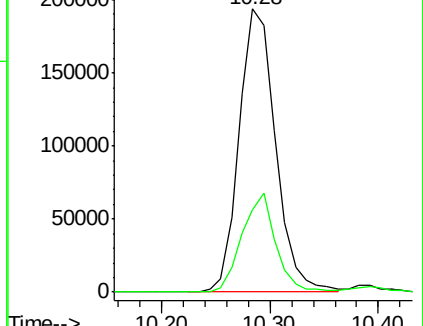
43 100

58 29.1 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: 24.591 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.04 min

Lab File: VD063700.D

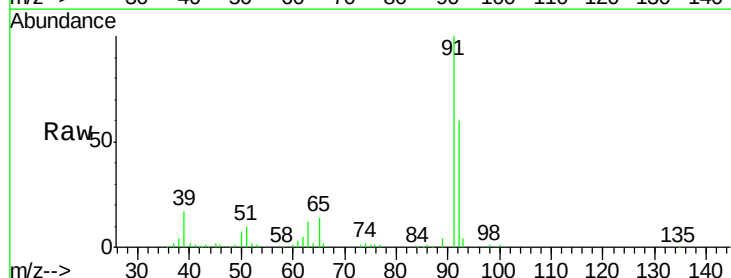
Acq: 20 Aug 2019 23:42

Tgt Ion: 92 Resp: 322977

Ion Ratio Lower Upper

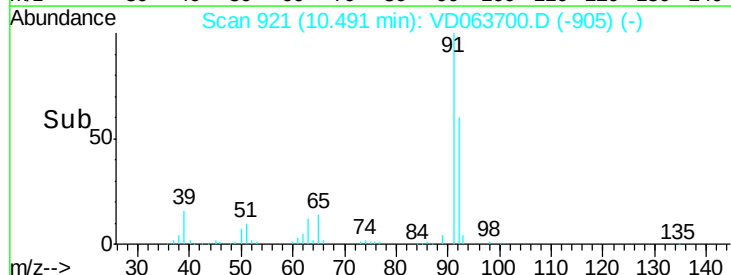
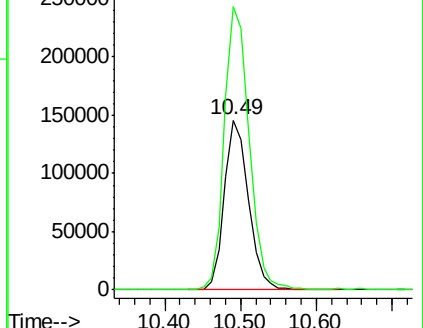
92 100

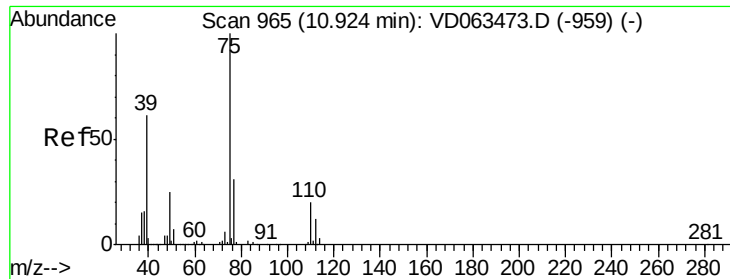
91 166.9 137.9 206.9



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: 25.983 ug/l

RT: 10.89 min Scan# 962

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

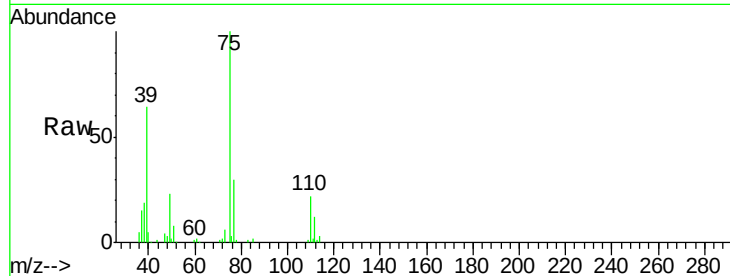
VD0820SBS02

Tot Ion: 75 Resp: 220573

Ion Ratio Lower Upper

75 100

77 30.0 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.89

120000

100000

80000

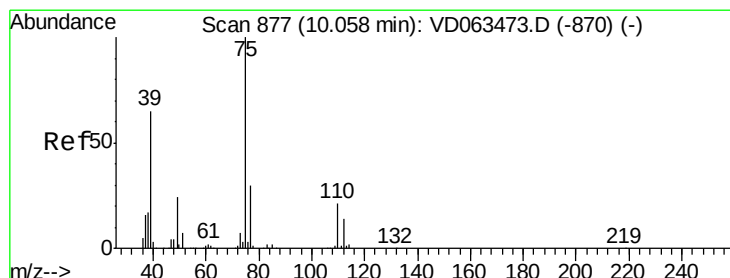
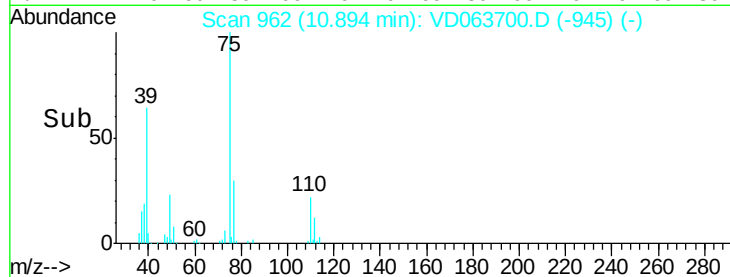
60000

40000

20000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 24.529 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

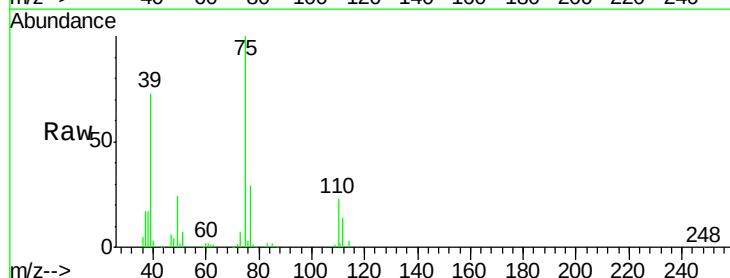
Tgt Ion: 75 Resp: 234791

Ion Ratio Lower Upper

75 100

77 29.1 23.7 35.5

39 73.1 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

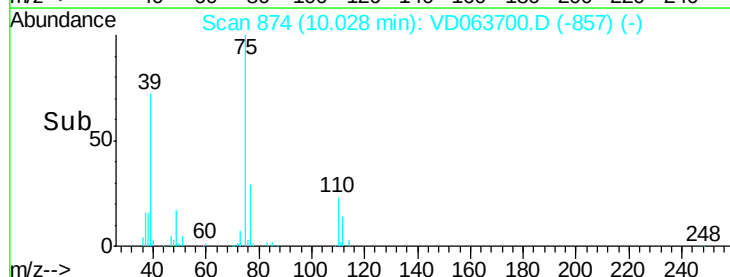
10.03

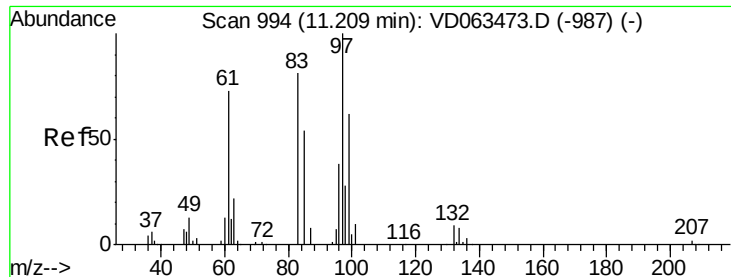
100000

50000

0

Time--> 9.90 10.00 10.10

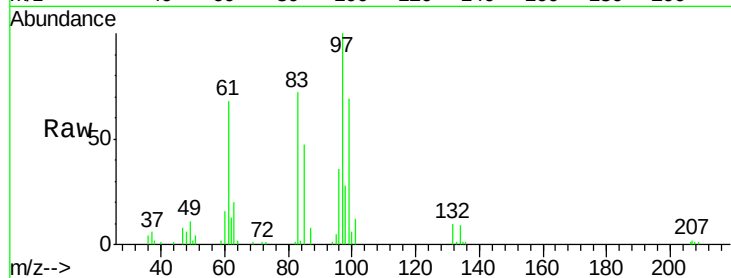




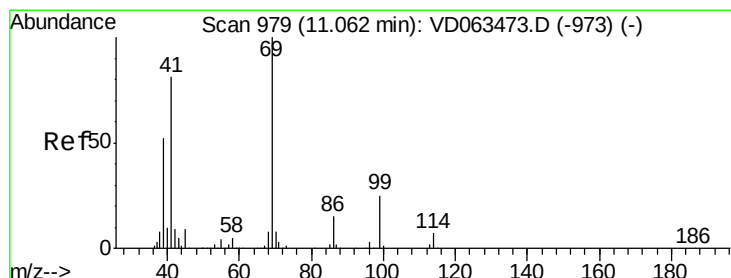
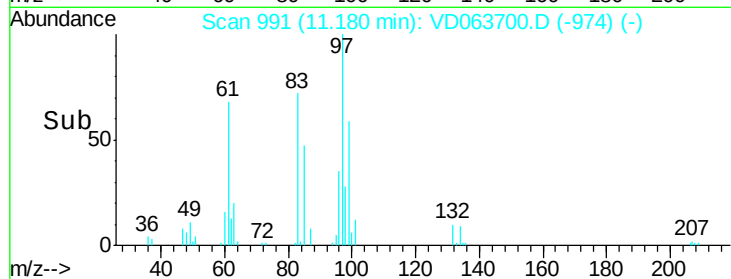
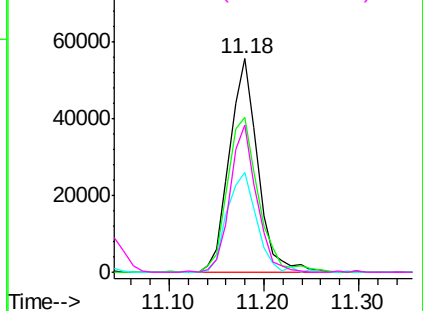
#55
 1,1,2-Trichloroethane
 Concen: 26.081 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

Tot Ion:	97	Resp:	115709
Ion	Ratio	Lower	Upper
97	100		
83	72.5	64.7	97.1
85	46.7	42.9	64.3
99	69.0	49.7	74.5

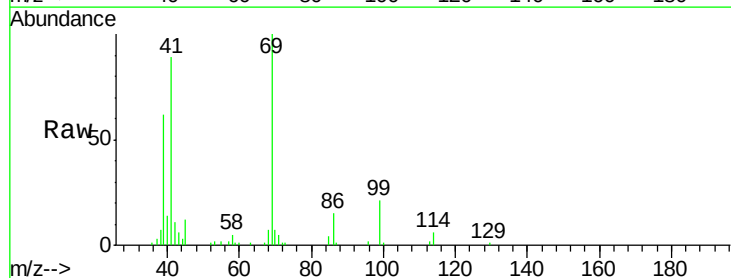


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

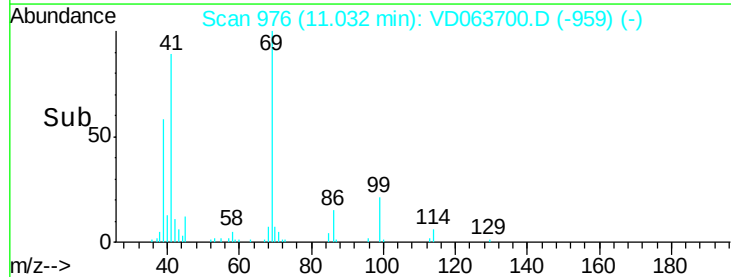
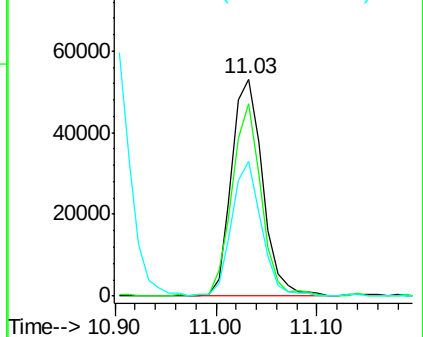


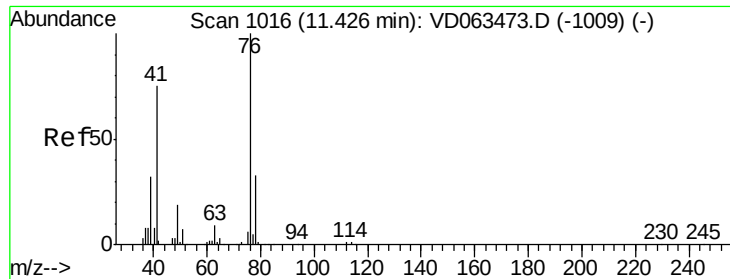
#56
 Ethyl methacrylate
 Concen: 23.604 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.03 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

Tgt Ion:	69	Resp:	113663
Ion	Ratio	Lower	Upper
69	100		
41	88.8	64.8	97.2
39	62.3	42.4	63.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 23.505 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

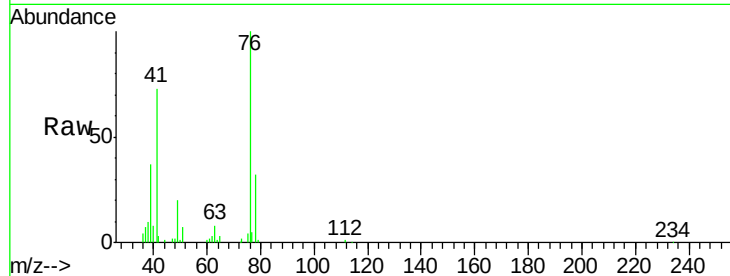
VD0820SBS02

Tot Ion: 76 Resp: 157627

Ion Ratio Lower Upper

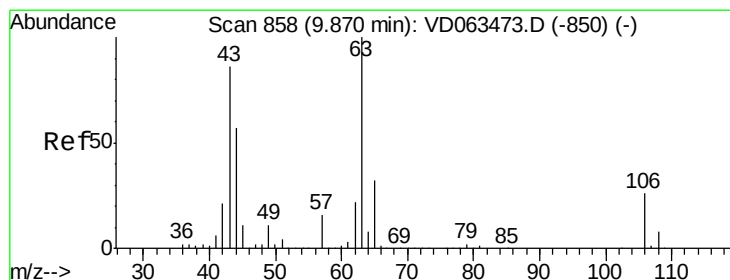
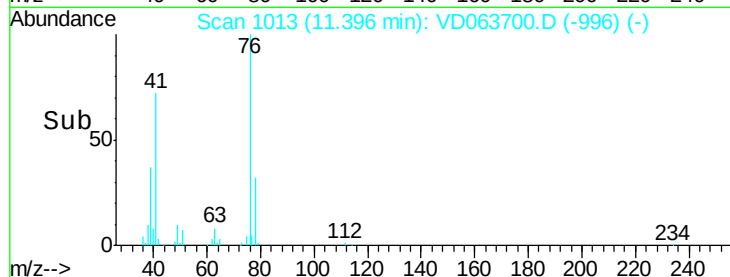
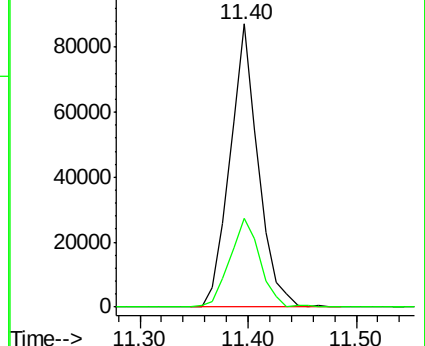
76 100

78 31.6 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: 113.763 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.03 min

Lab File: VD063700.D

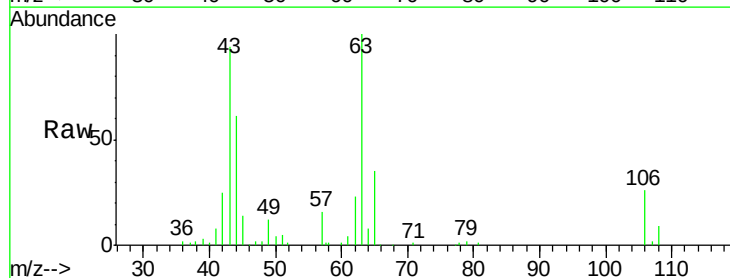
Acq: 20 Aug 2019 23:42

Tgt Ion: 63 Resp: 289210

Ion Ratio Lower Upper

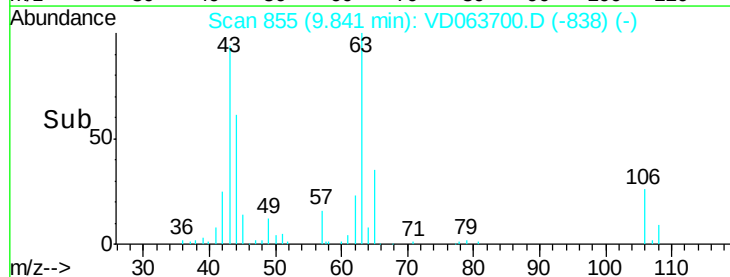
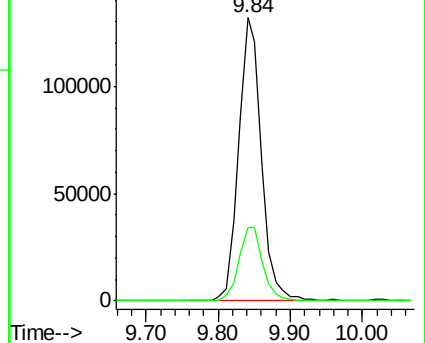
63 100

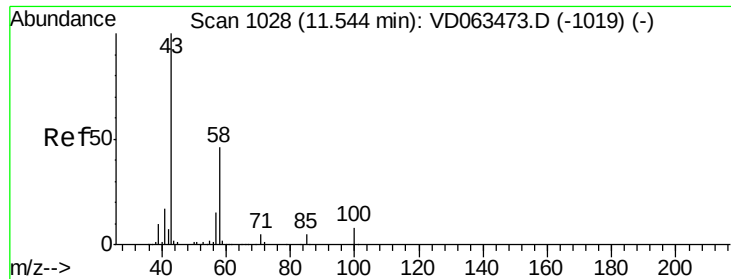
106 26.2 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

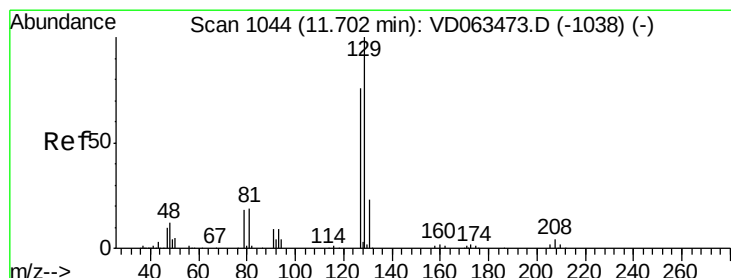
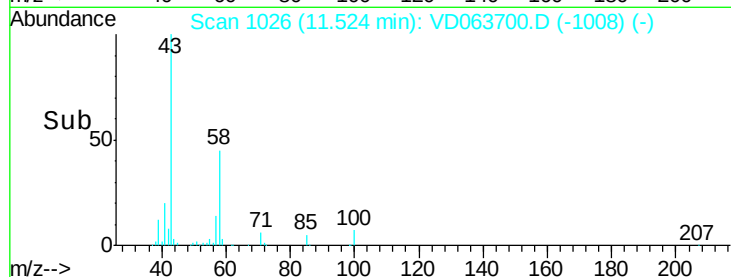
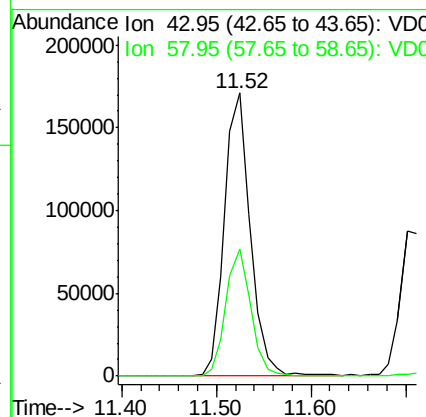
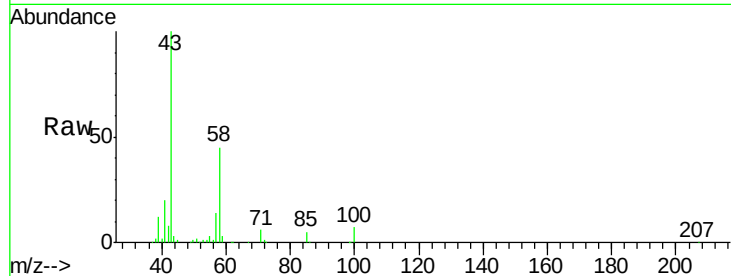




#59
2-Hexanone
Concen: 125.260 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

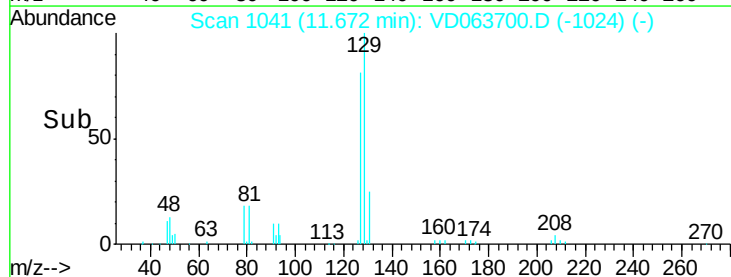
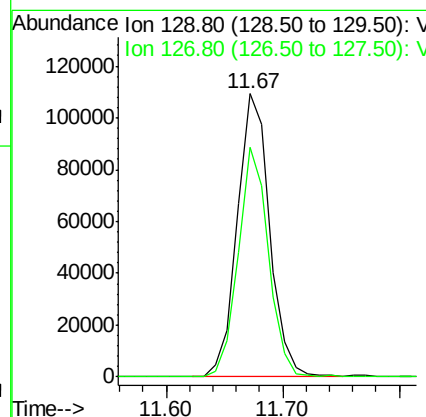
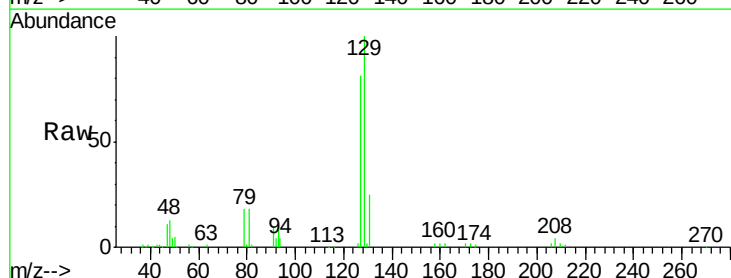
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

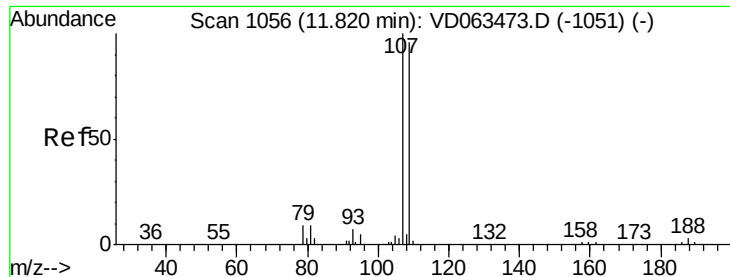
Tot Ion: 43 Resp: 324318
Ion Ratio Lower Upper
43 100
58 44.9 23.1 69.2



#60
Dibromochloromethane
Concen: 26.075 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.03 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

Tgt Ion: 129 Resp: 210499
Ion Ratio Lower Upper
129 100
127 81.2 37.8 113.4





#61

1,2-Dibromoethane

Concen: 24.399 ug/l

RT: 11.79 min Scan# 1053

Delta R.T. -0.03 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

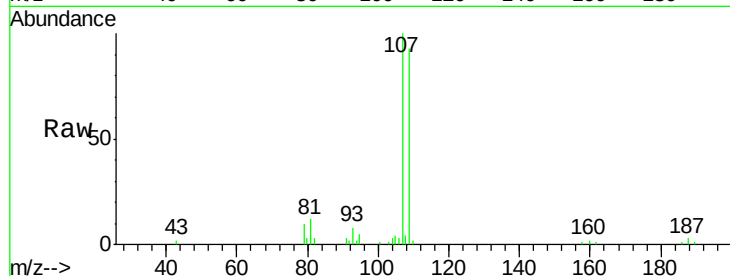
VD0820SBS02

Tot Ion:107 Resp: 131040

Ion Ratio Lower Upper

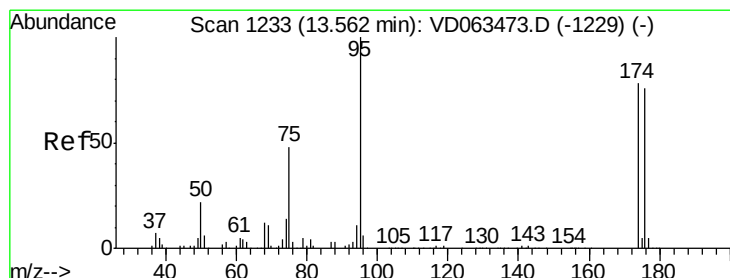
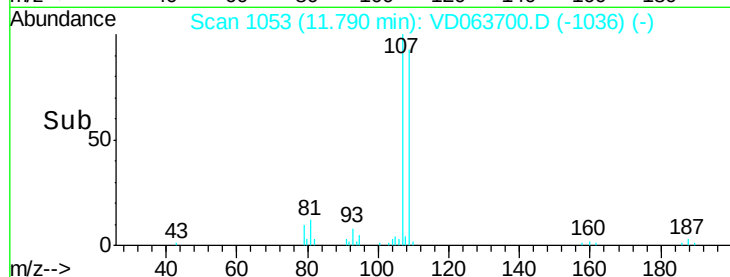
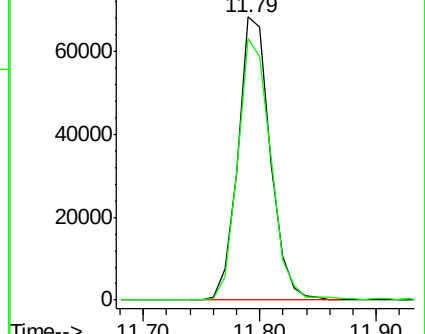
107 100

109 92.6 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 57.986 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

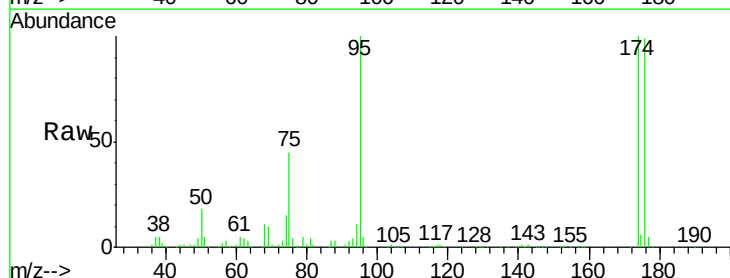
Tgt Ion: 95 Resp: 510078

Ion Ratio Lower Upper

95 100

174 100.3 0.0 155.4

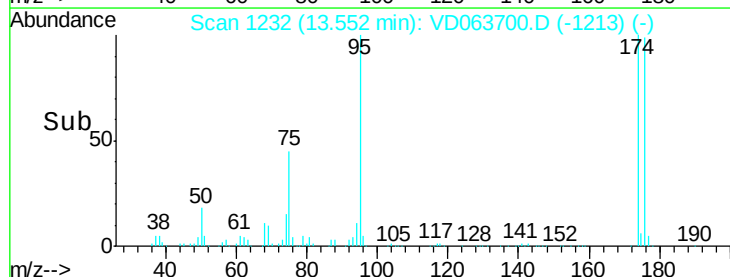
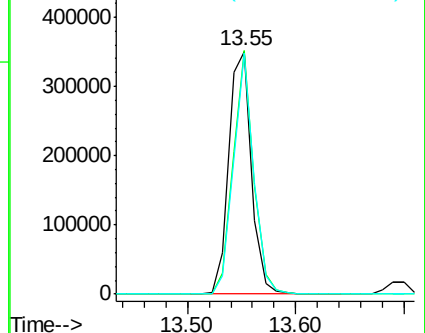
176 99.2 0.0 152.4

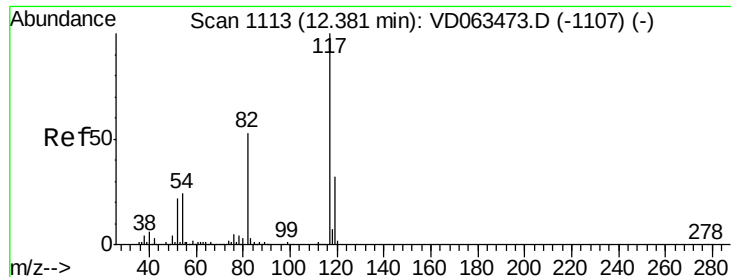


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

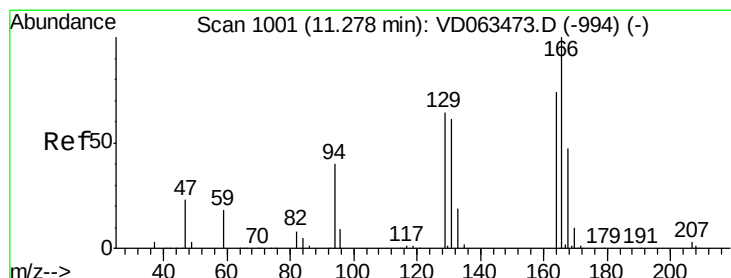
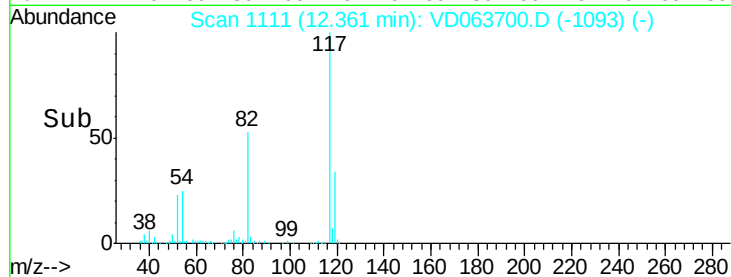
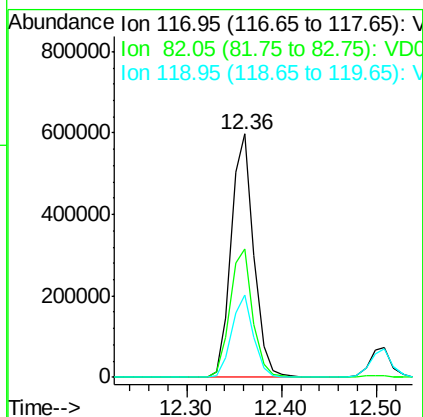
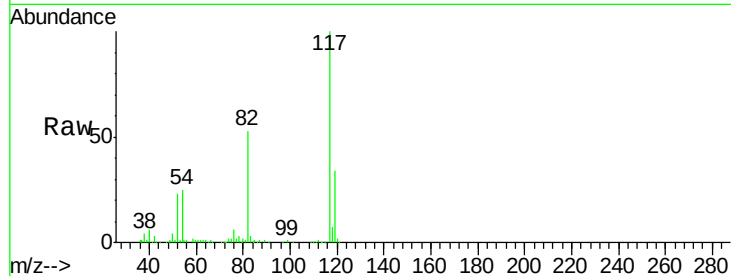




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

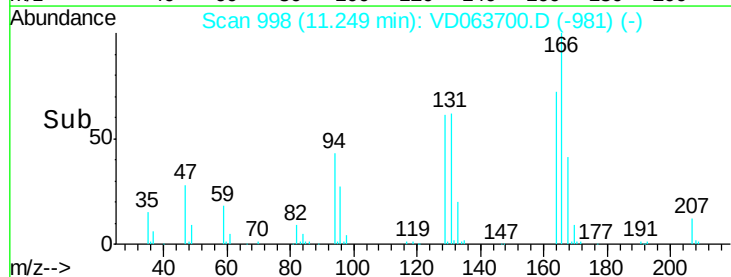
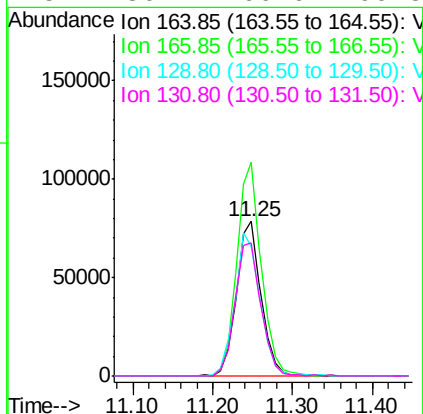
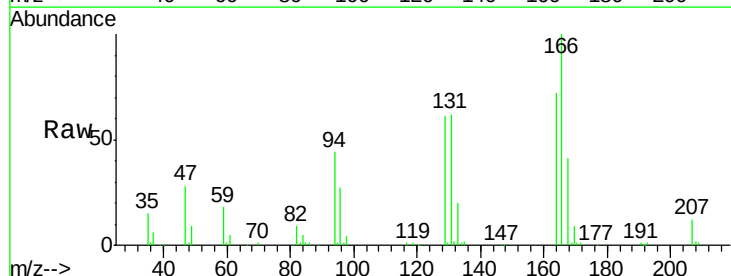
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

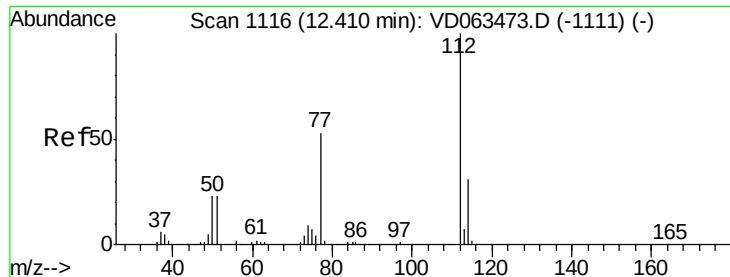
Tot Ion:117 Resp: 987425
Ion Ratio Lower Upper
117 100
82 52.8 42.0 63.0
119 33.7 25.4 38.0



#64
Tetrachloroethene
Concen: 22.027 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

Tgt Ion:164 Resp: 167903
Ion Ratio Lower Upper
164 100
166 138.3 108.6 163.0
129 83.8 69.0 103.6
131 86.1 66.6 99.8

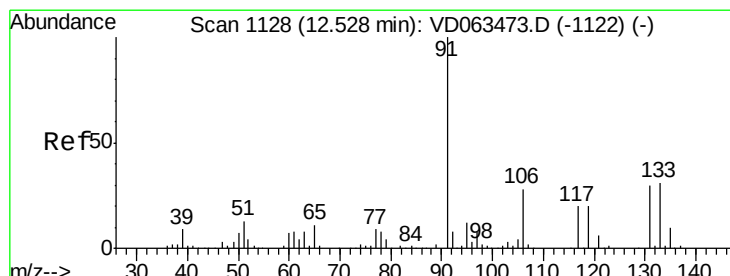
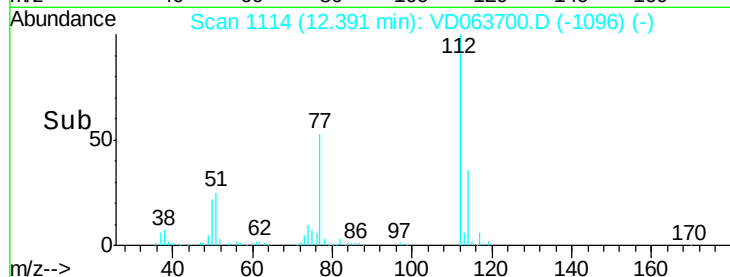
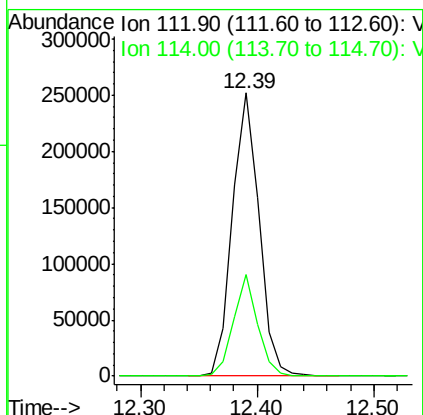
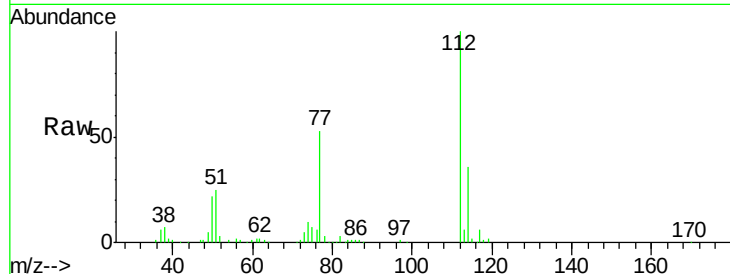




#65
Chlorobenzene
Concen: 21.671 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

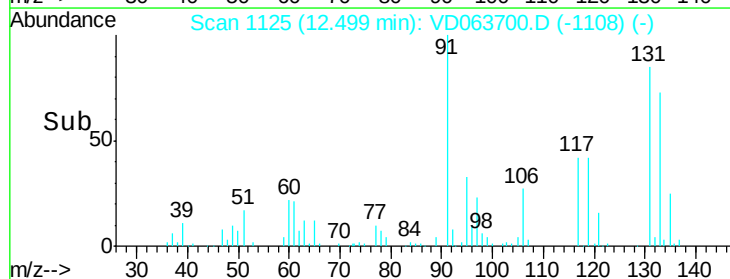
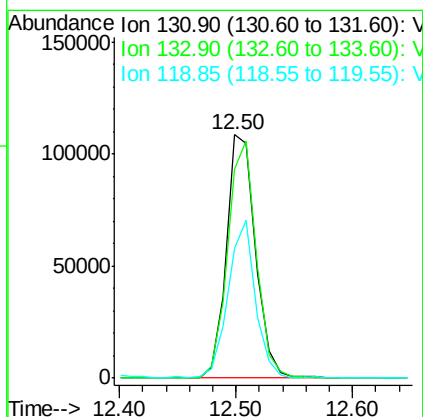
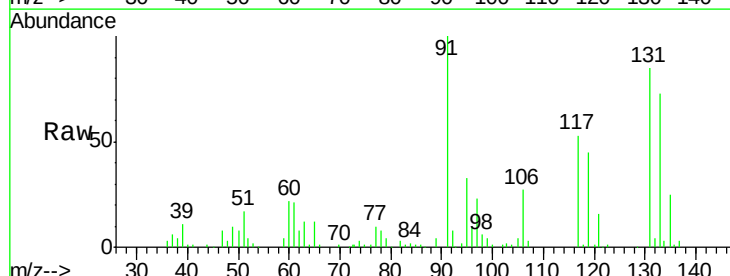
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

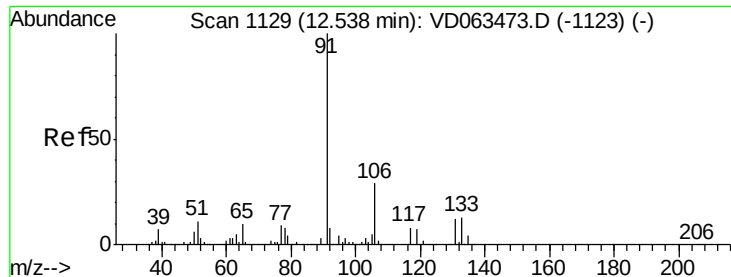
Tot Ion:112 Resp: 401063
Ion Ratio Lower Upper
112 100
114 36.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 22.949 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.03 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

Tgt Ion:131 Resp: 186914
Ion Ratio Lower Upper
131 100
133 85.6 51.1 153.3
119 53.0 33.1 99.3

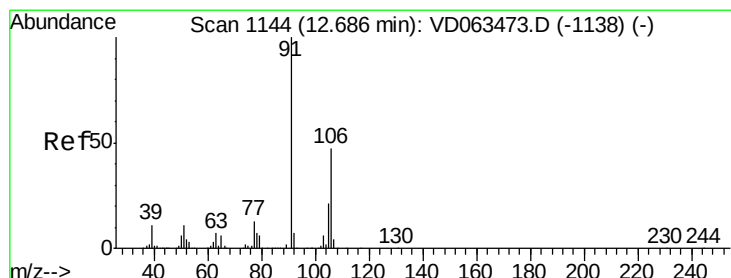
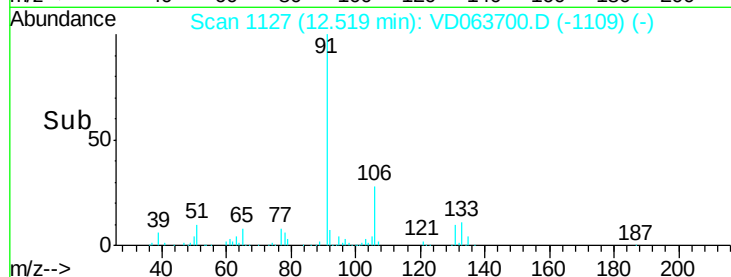
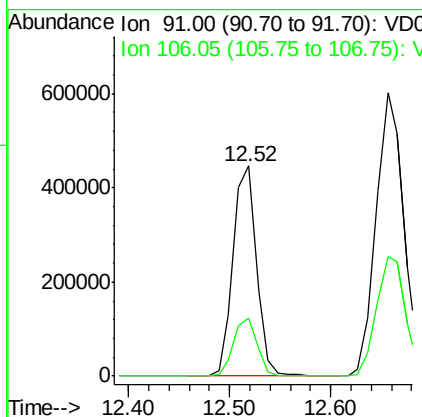
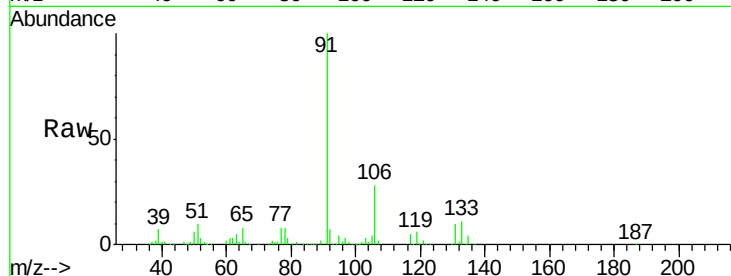




#67
Ethyl Benzene
Concen: 22.431 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

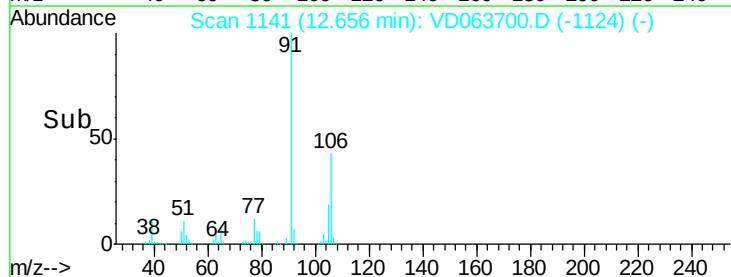
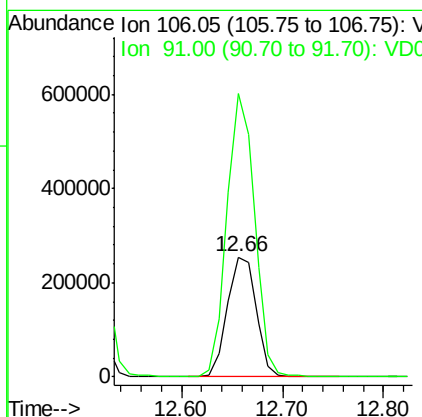
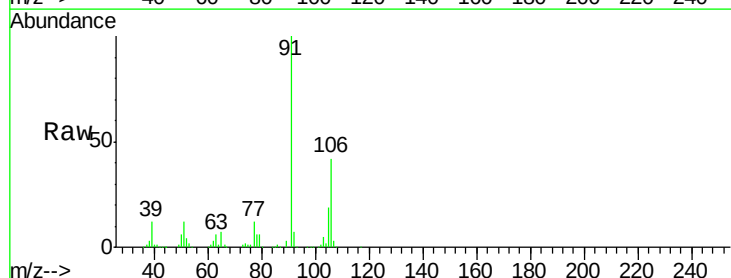
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

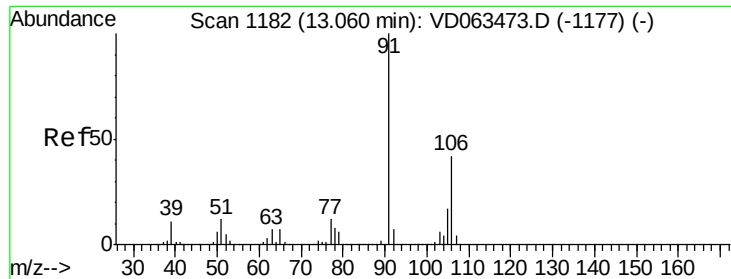
Tot Ion: 91 Resp: 721794
Ion Ratio Lower Upper
91 100
106 27.7 23.1 34.7



#68
m/p-Xylenes
Concen: 44.857 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.03 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

Tgt Ion: 106 Resp: 507120
Ion Ratio Lower Upper
106 100
91 236.2 171.8 257.8

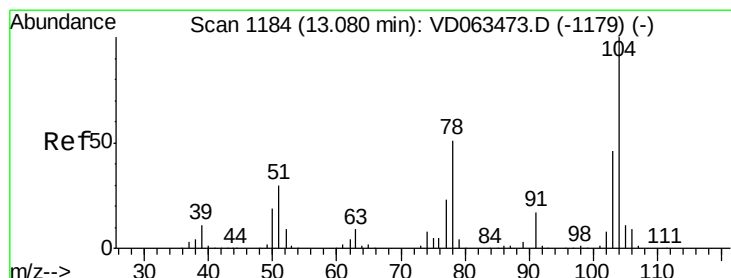
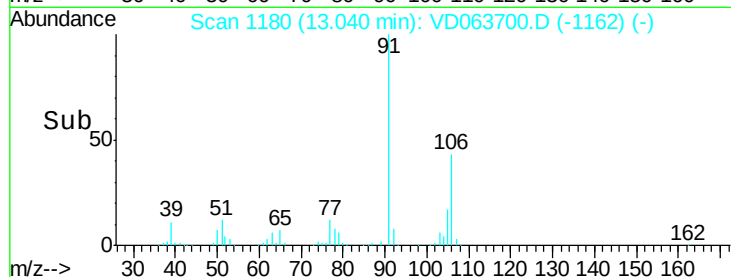
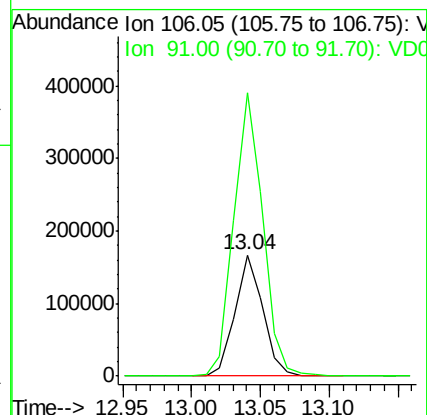
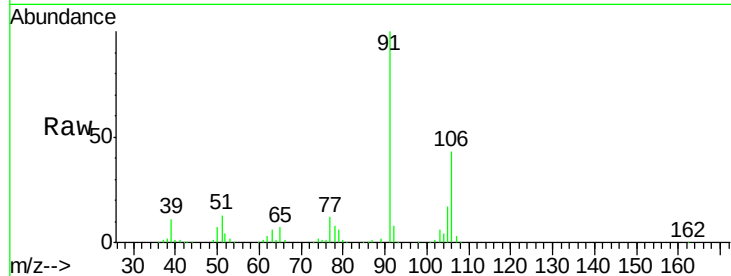




#69
o-Xylene
Concen: 21.560 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

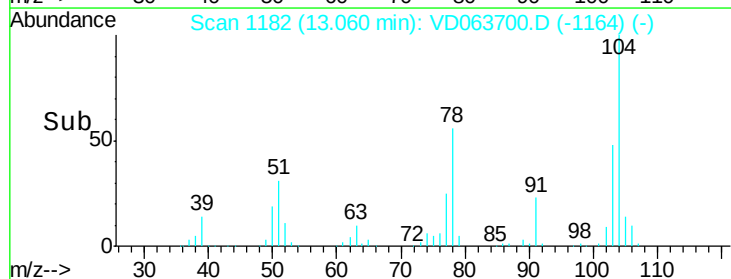
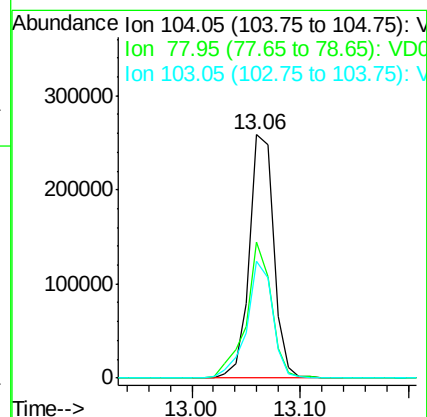
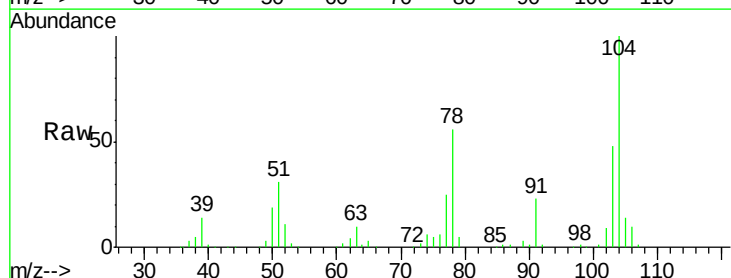
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

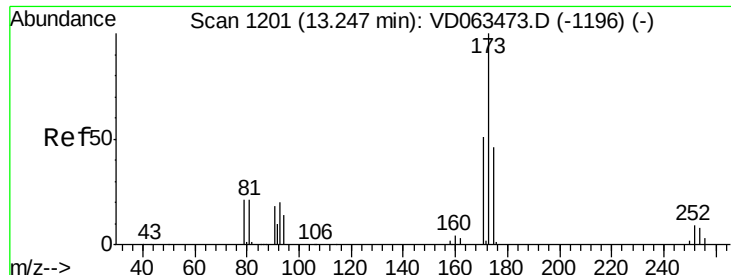
Tot Ion:106 Resp: 234592
Ion Ratio Lower Upper
106 100
91 234.1 118.1 354.2



#70
Styrene
Concen: 20.952 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

Tgt Ion:104 Resp: 405529
Ion Ratio Lower Upper
104 100
78 55.7 40.8 61.2
103 47.8 36.4 54.6





#71

Bromoform

Concen: 21.232 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

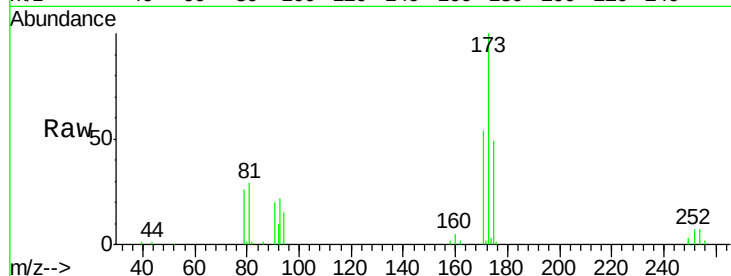
Tot Ion:173 Resp: 118575

Ion Ratio Lower Upper

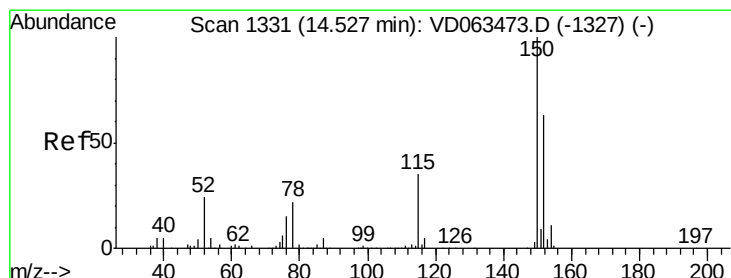
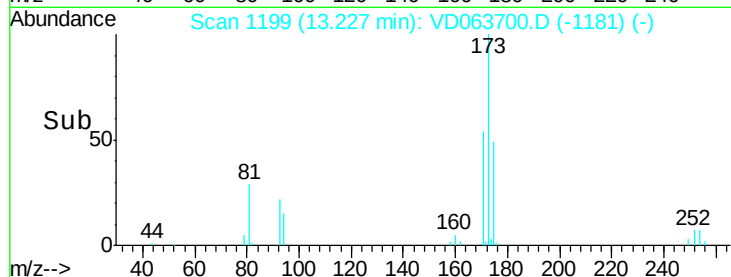
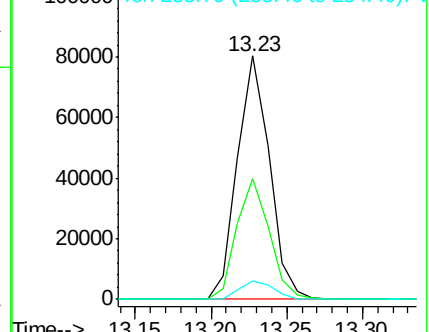
173 100

175 49.3 22.8 68.3

254 7.5 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: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

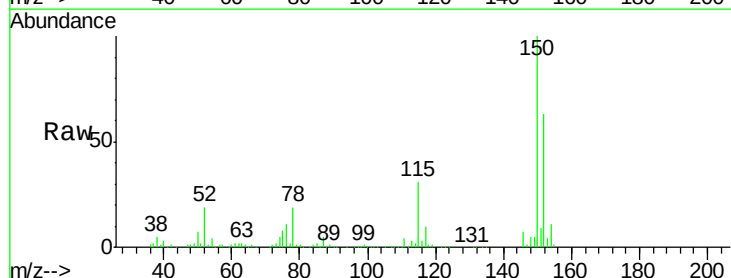
Tgt Ion:152 Resp: 570475

Ion Ratio Lower Upper

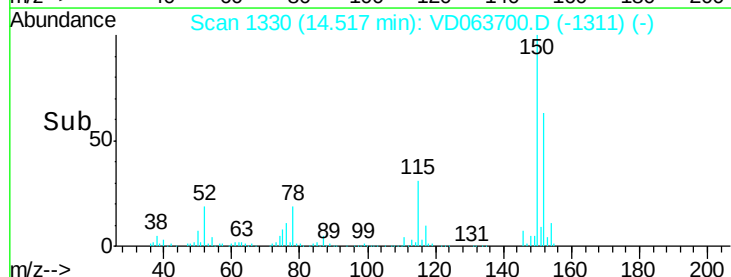
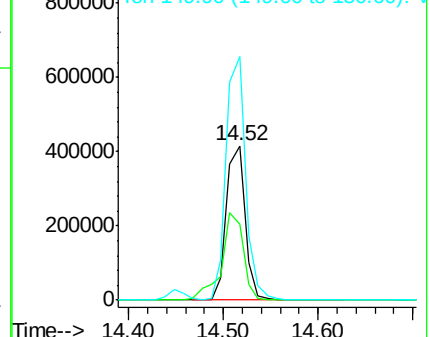
152 100

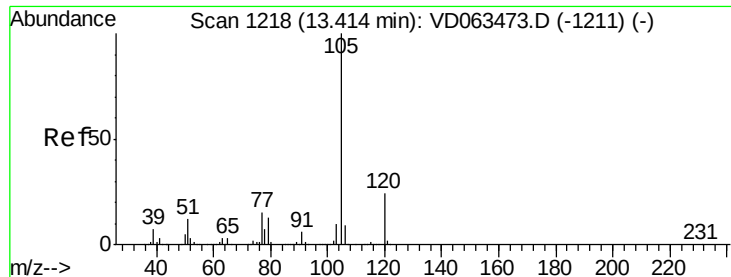
115 49.2 30.9 92.7

150 157.7 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: 19.550 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

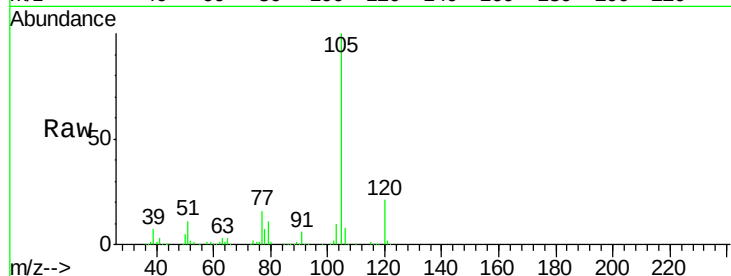
VD0820SBS02

Tot Ion:105 Resp: 709395

Ion Ratio Lower Upper

105 100

120 20.8 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

600000

500000

400000

300000

200000

100000

0

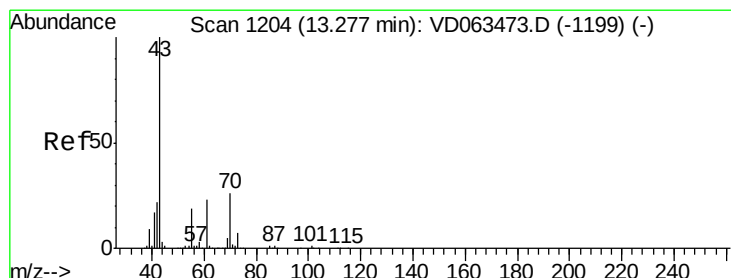
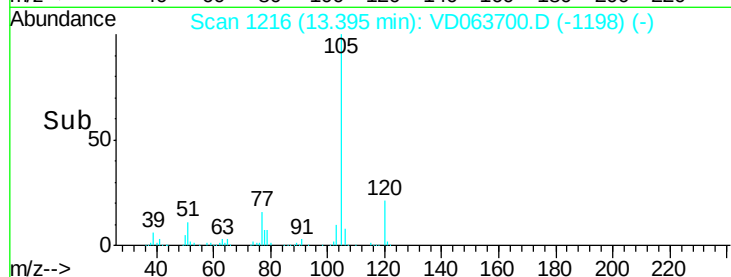
13.39

13.30

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 20.416 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Tgt Ion: 43 Resp: 185965

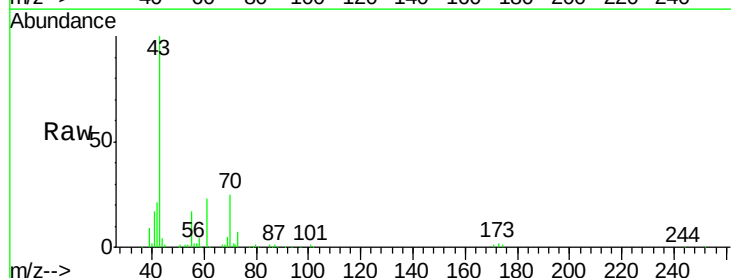
Ion Ratio Lower Upper

43 100

70 25.0 21.1 31.7

55 17.3 15.4 23.0

61 23.4 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

200000

150000

100000

50000

0

13.26

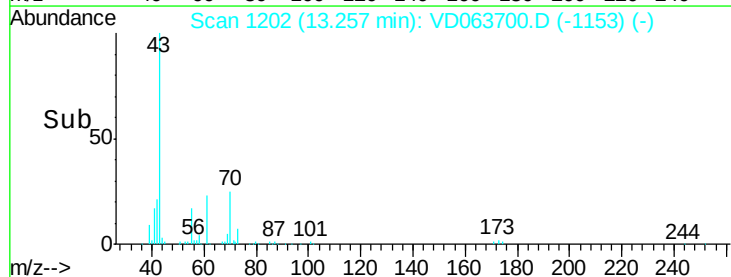
13.20

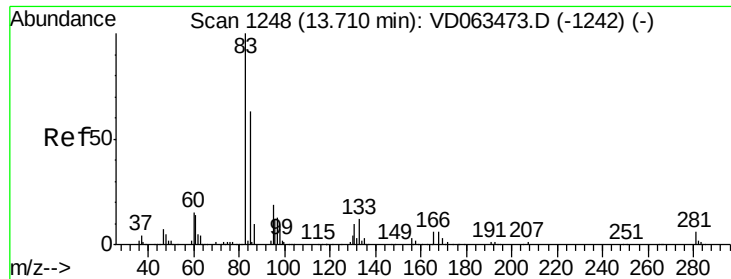
13.25

13.30

13.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.410 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

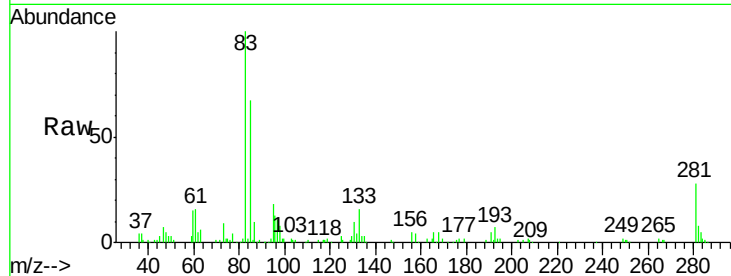
Tot Ion: 83 Resp: 134970

Ion Ratio Lower Upper

83 100

131 9.7 5.3 15.8

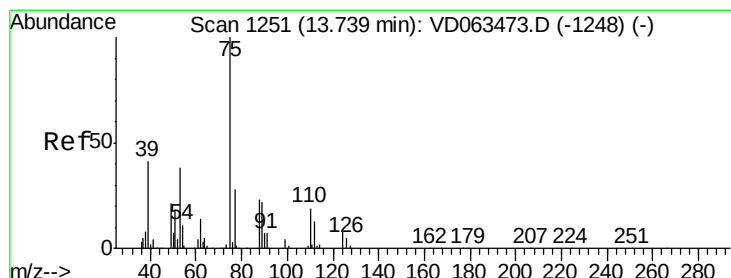
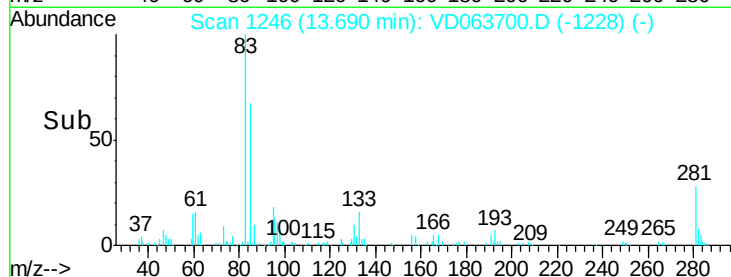
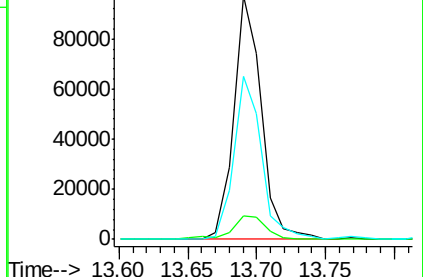
85 66.8 31.4 94.3



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: 22.244 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063700.D

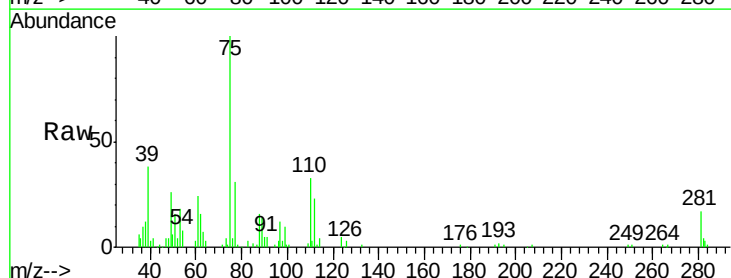
Acq: 20 Aug 2019 23:42

Tgt Ion: 75 Resp: 145636

Ion Ratio Lower Upper

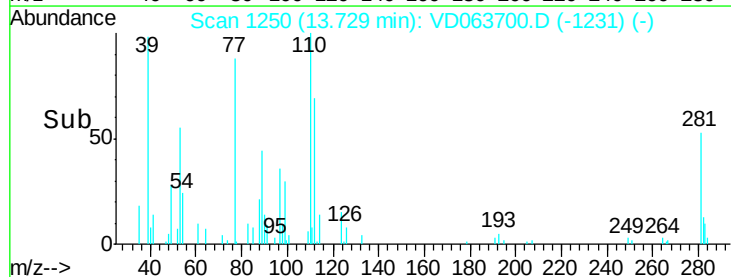
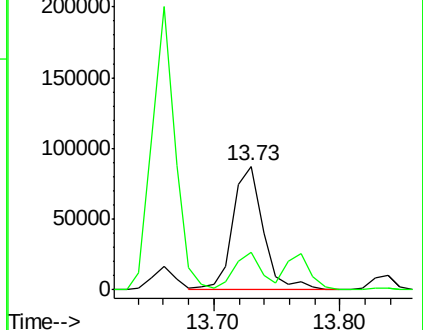
75 100

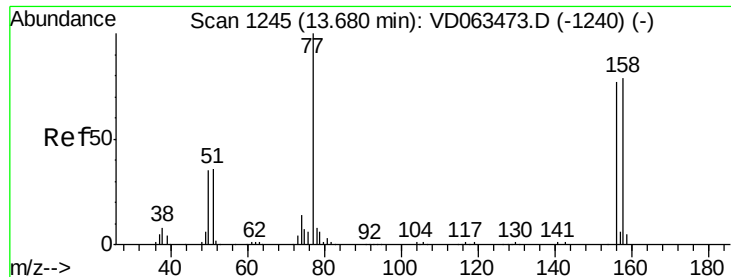
77 30.6 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.428 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

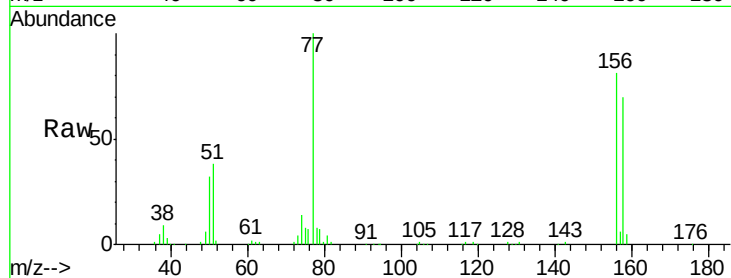
Tot Ion:156 Resp: 212500

Ion Ratio Lower Upper

156 100

77 122.9 64.6 193.8

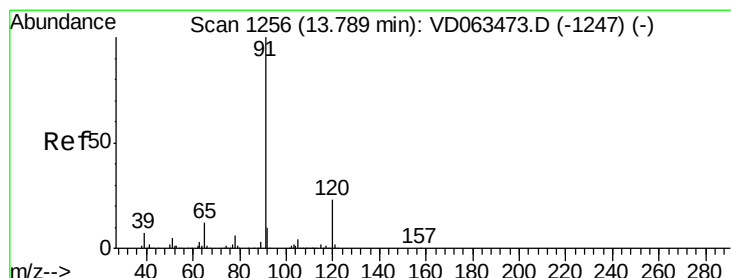
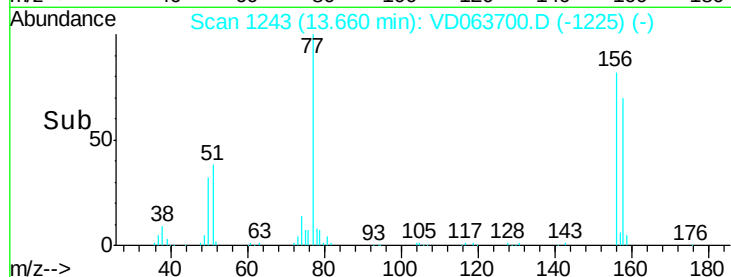
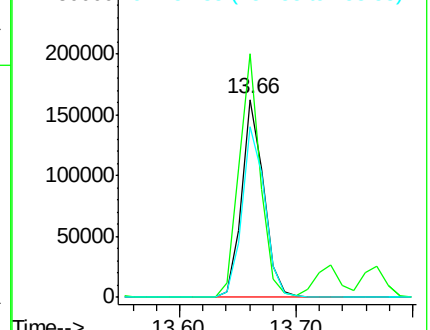
158 85.8 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.682 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063700.D

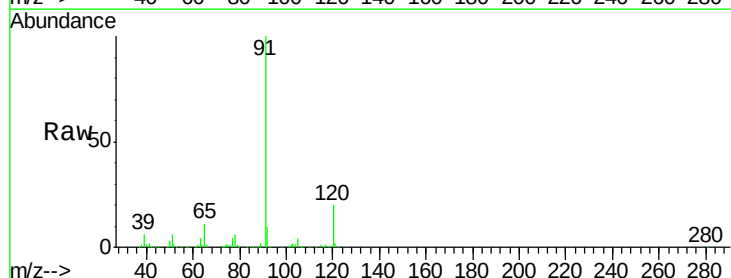
Acq: 20 Aug 2019 23:42

Tgt Ion: 91 Resp: 878038

Ion Ratio Lower Upper

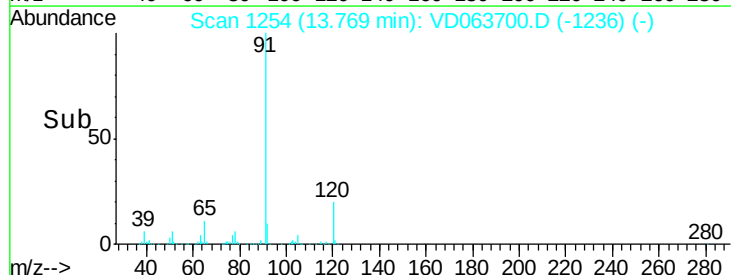
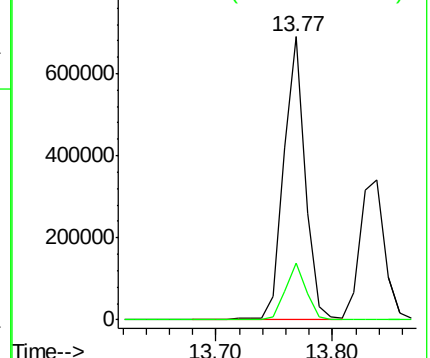
91 100

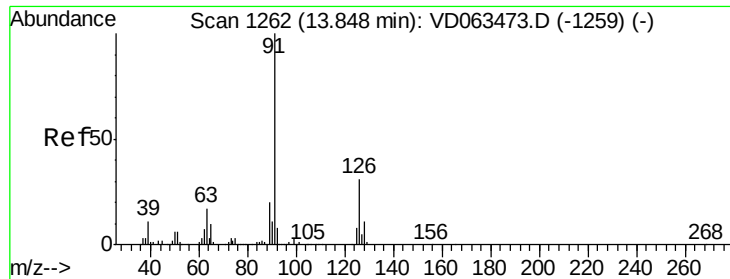
120 20.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

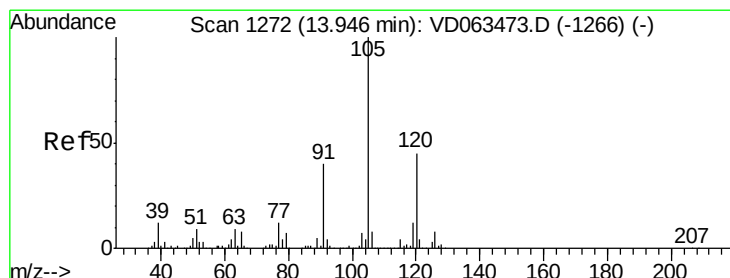
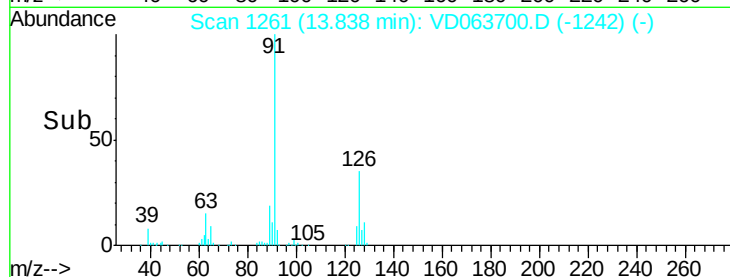
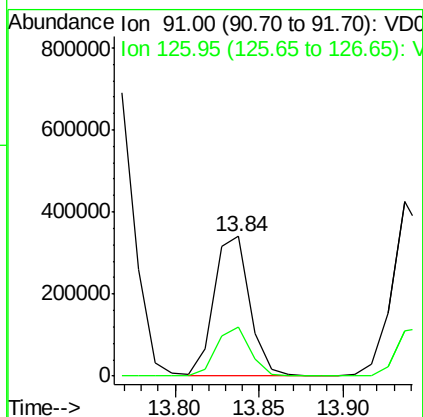
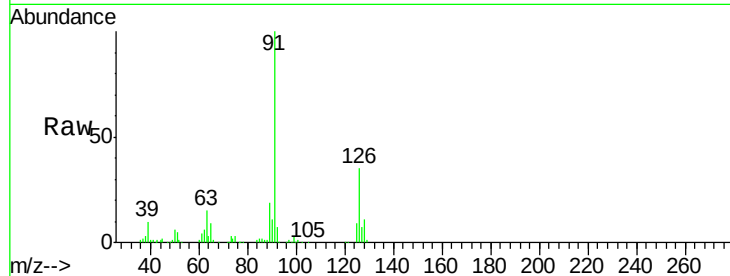




#79
 2-Chlorotoluene
 Concen: 20.466 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

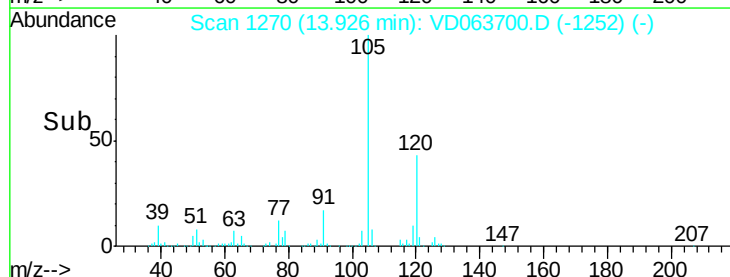
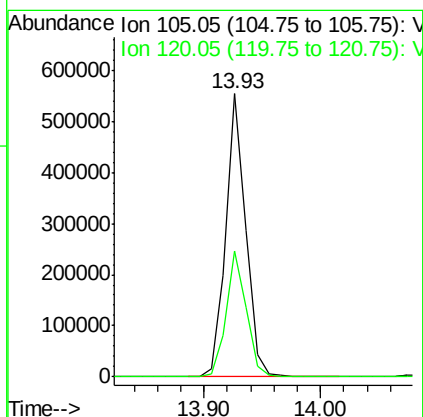
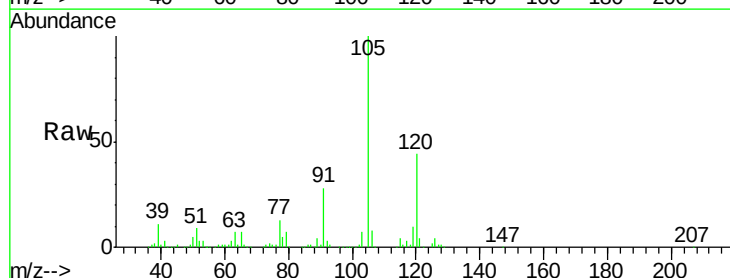
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

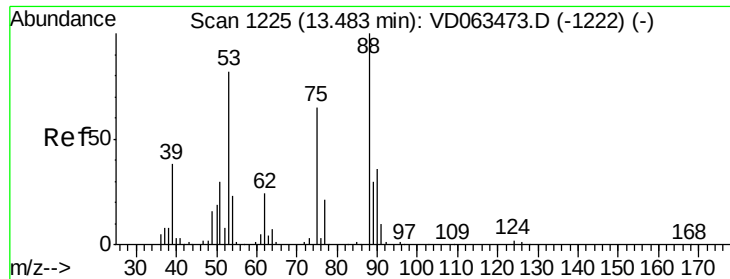
Tot Ion: 91 Resp: 500992
 Ion Ratio Lower Upper
 91 100
 126 34.9 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 20.674 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

Tgt Ion: 105 Resp: 655445
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.8 68.3

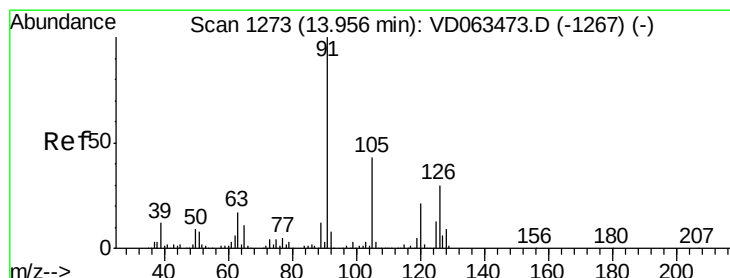
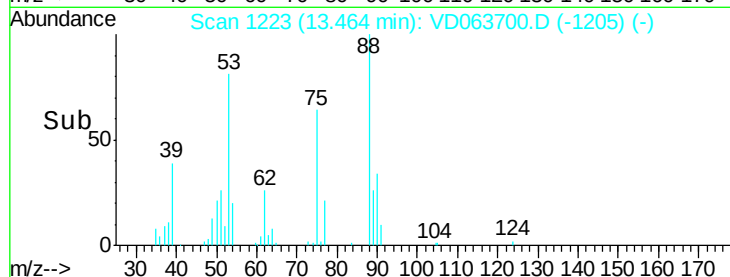
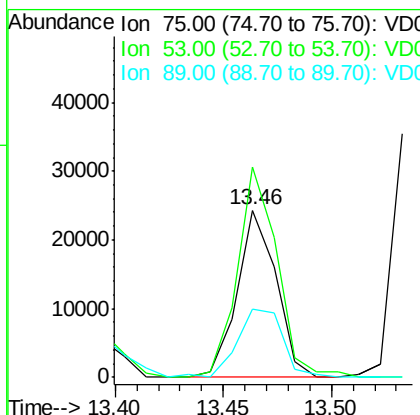
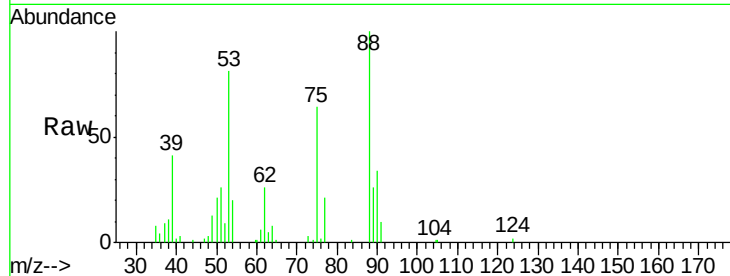




#81
trans-1,4-Dichloro-2-butene
Concen: 17.513 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

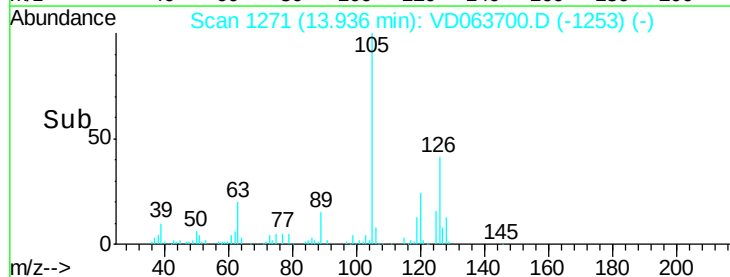
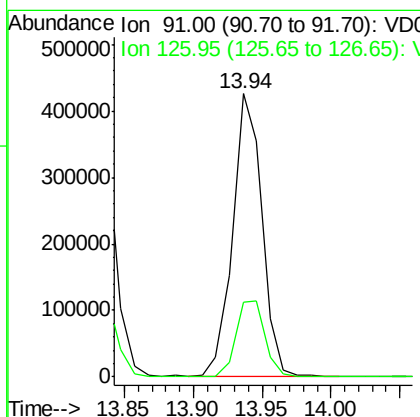
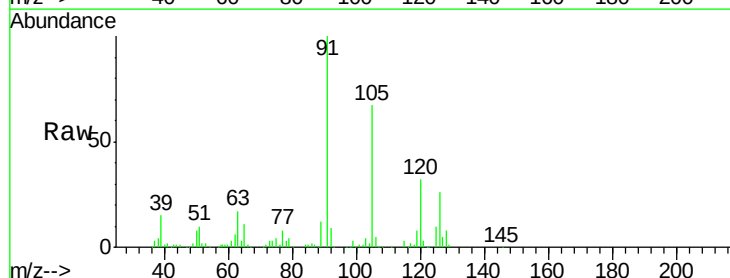
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

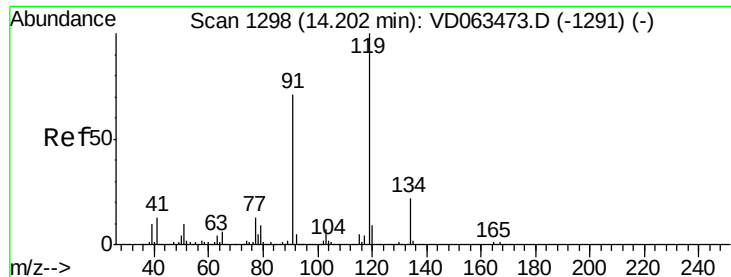
Tot Ion: 75 Resp: 30817
Ion Ratio Lower Upper
75 100
53 125.5 101.0 151.4
89 40.5 37.0 55.6



#82
4-Chlorotoluene
Concen: 21.412 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VD063700.D
Acq: 20 Aug 2019 23:42

Tgt Ion: 91 Resp: 630265
Ion Ratio Lower Upper
91 100
126 26.3 15.2 45.6





#83

tert-Butylbenzene

Concen: 20.085 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

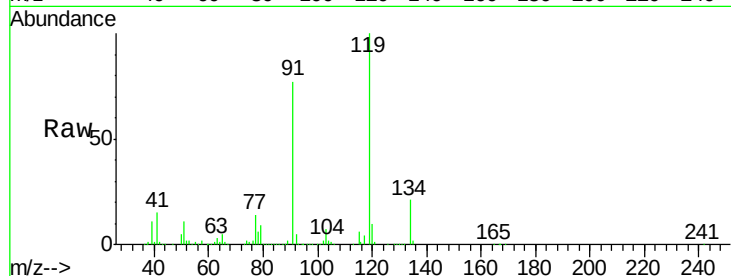
Tot Ion:119 Resp: 670528

Ion Ratio Lower Upper

119 100

91 76.7 35.5 106.7

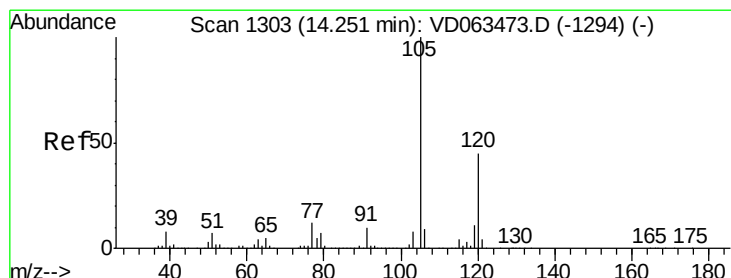
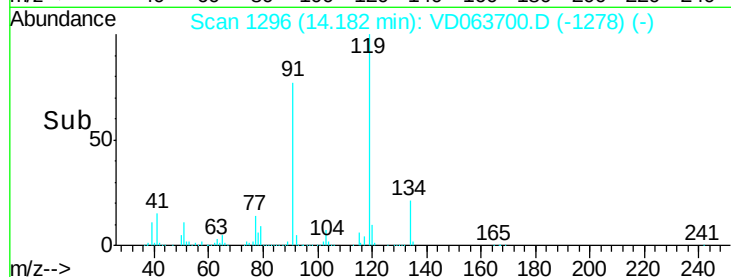
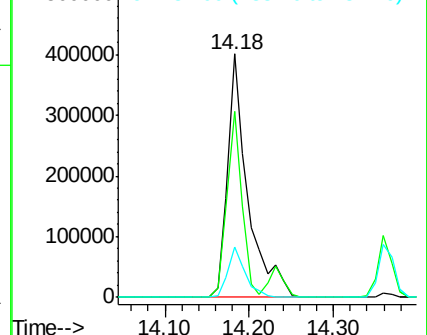
134 20.8 11.1 33.1



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: 20.276 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.02 min

Lab File: VD063700.D

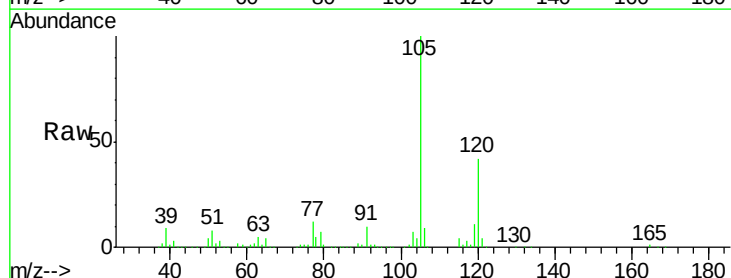
Acq: 20 Aug 2019 23:42

Tgt Ion:105 Resp: 594795

Ion Ratio Lower Upper

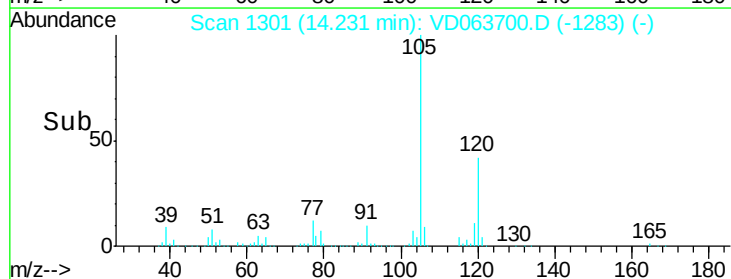
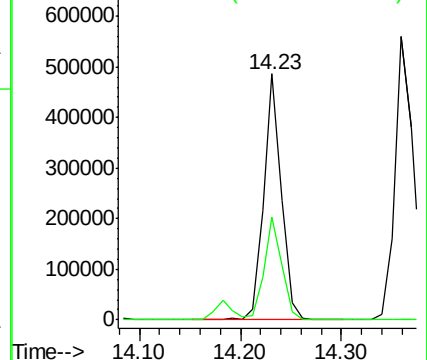
105 100

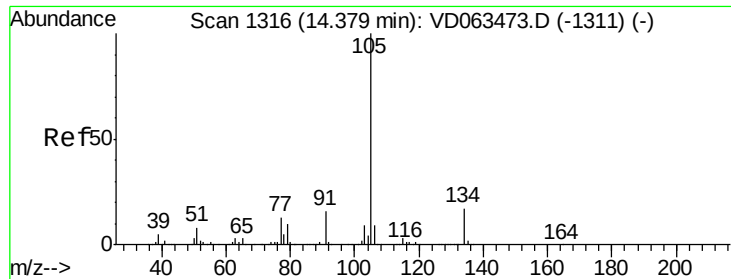
120 41.9 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

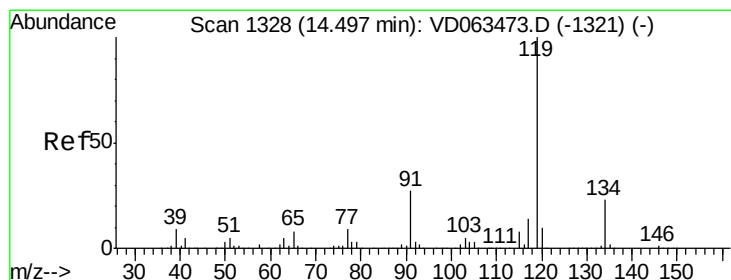
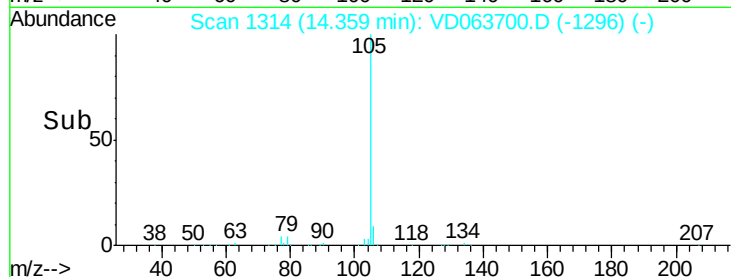
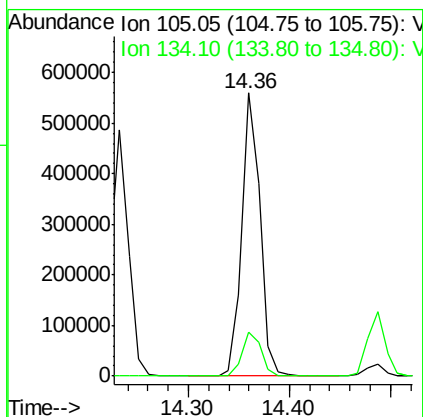
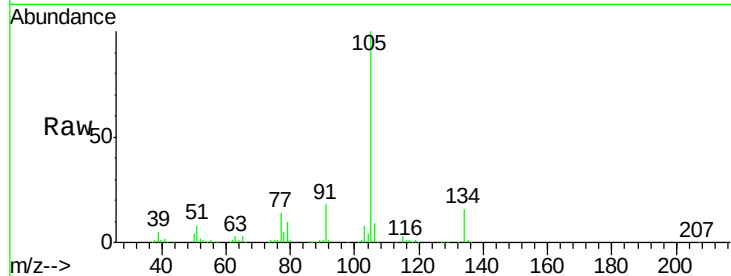




#85
 sec-Butylbenzene
 Concen: 19.806 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

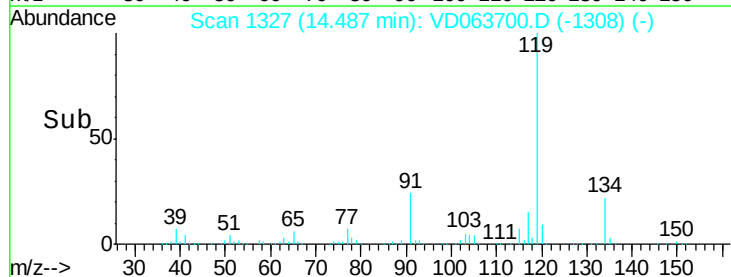
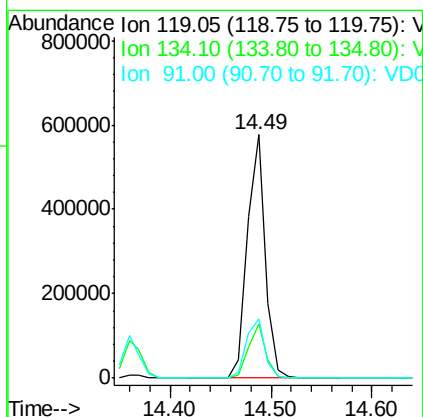
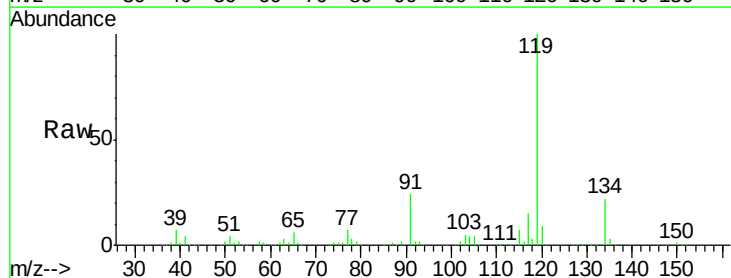
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

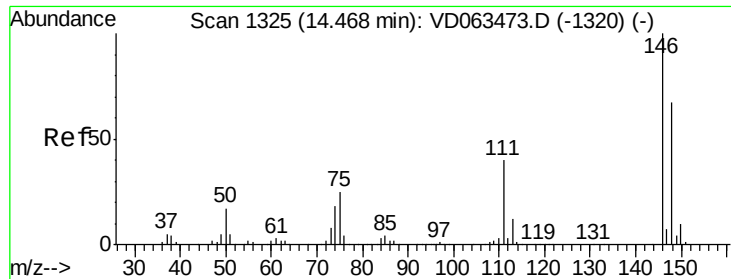
Tot Ion:105 Resp: 702195
 Ion Ratio Lower Upper
 105 100
 134 15.7 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 21.143 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

Tgt Ion:119 Resp: 716736
 Ion Ratio Lower Upper
 119 100
 134 22.0 11.3 33.8
 91 24.1 13.5 40.4

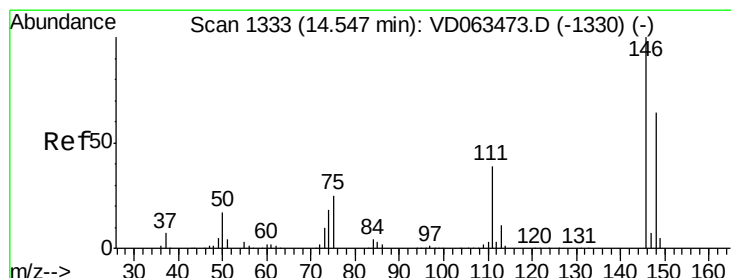
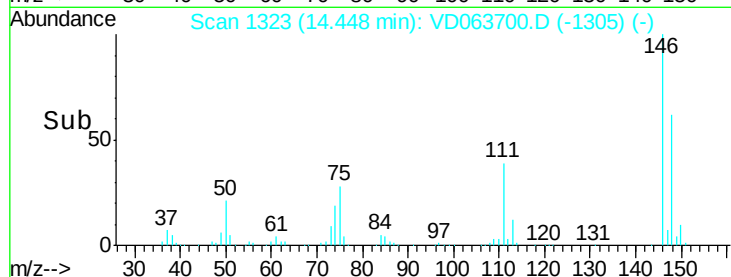
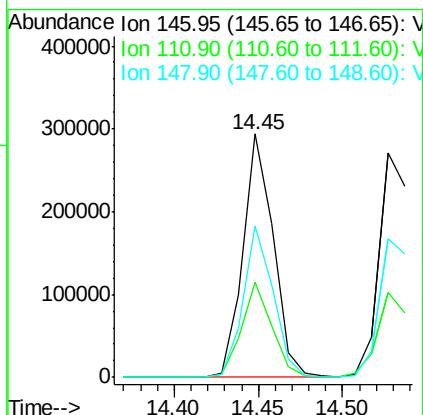
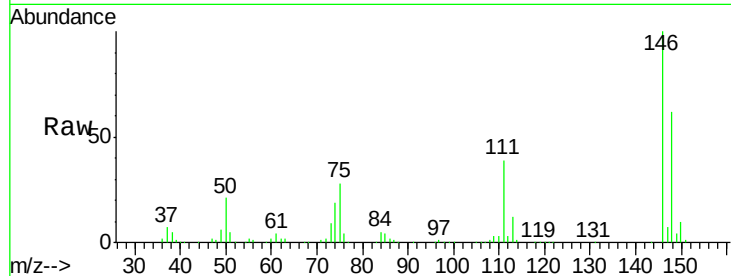




#87
 1,3-Dichlorobenzene
 Concen: 20.547 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

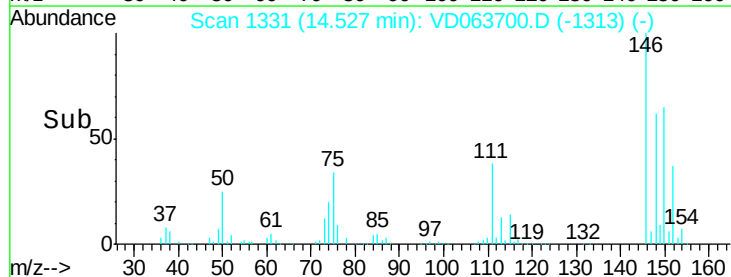
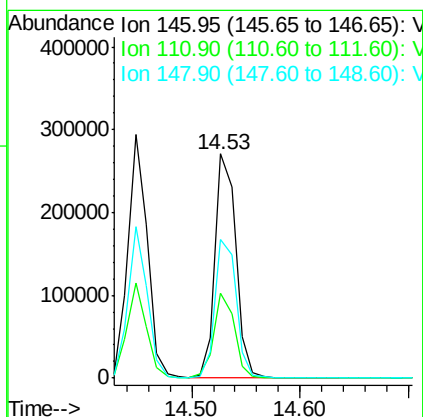
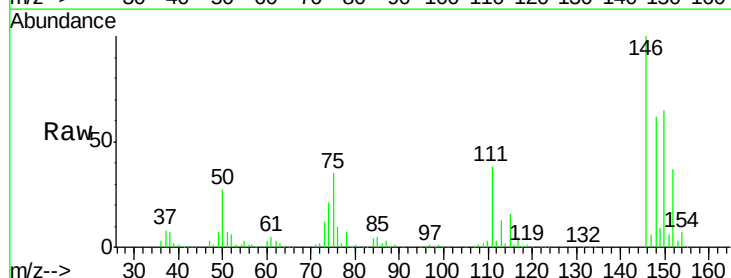
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

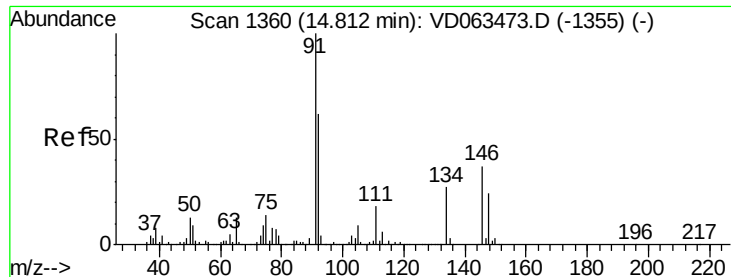
Tot Ion:146 Resp: 368564
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.0 60.0
 148 62.1 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 21.126 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

Tgt Ion:146 Resp: 363575
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.7 59.0
 148 62.2 32.1 96.3





#89

n-Butylbenzene

Concen: 21.325 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

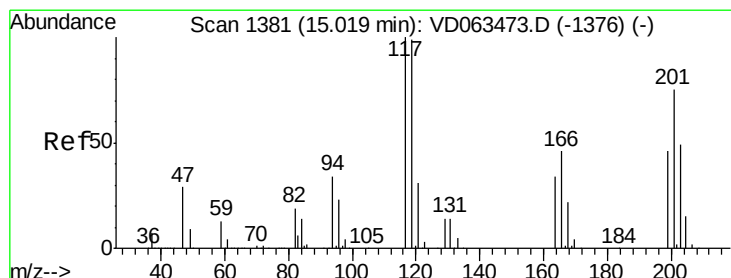
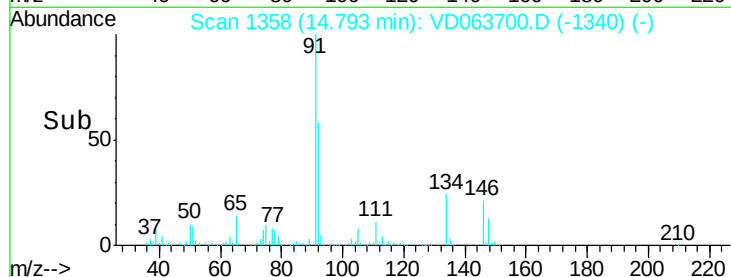
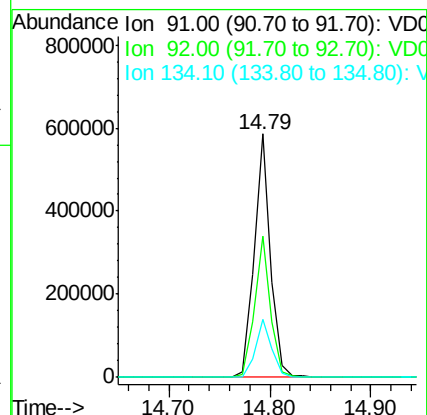
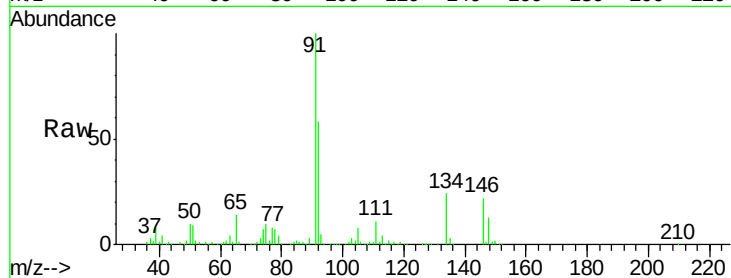
Tot Ion: 91 Resp: 659778

Ion Ratio Lower Upper

91 100

92 57.7 30.8 92.3

134 23.6 13.4 40.2



#90

Hexachloroethane

Concen: 20.362 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD063700.D

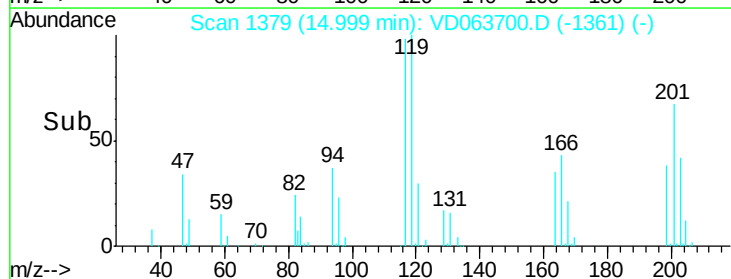
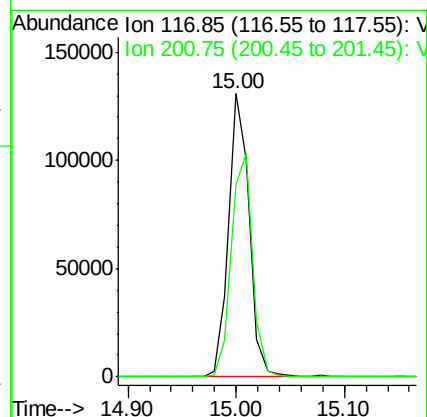
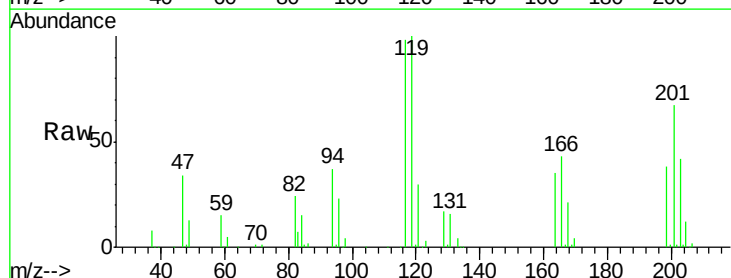
Acq: 20 Aug 2019 23:42

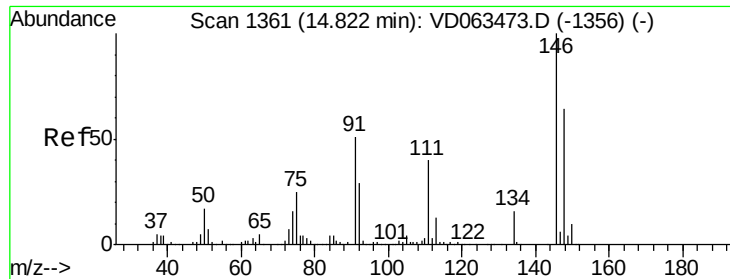
Tgt Ion: 117 Resp: 173497

Ion Ratio Lower Upper

117 100

201 67.9 37.5 112.5

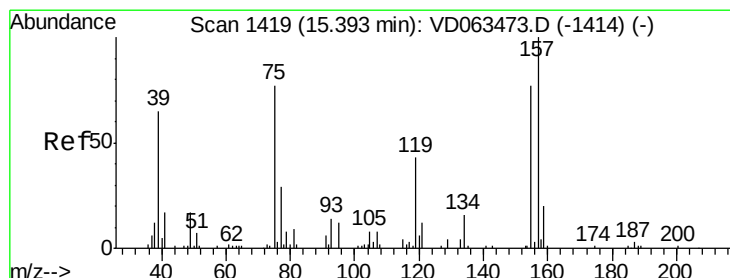
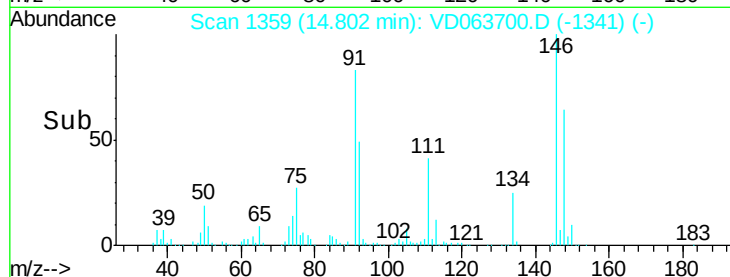
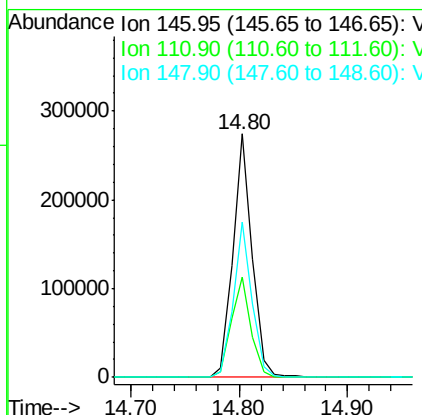
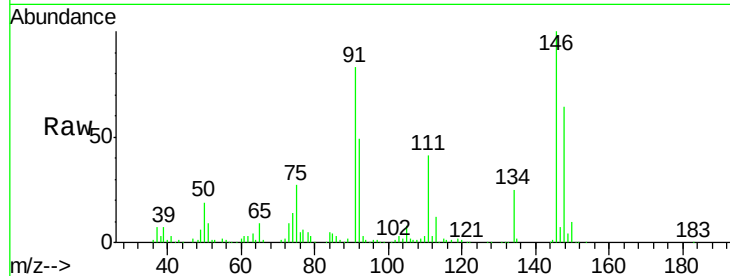




#91
 1,2-Dichlorobenzene
 Concen: 22.203 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

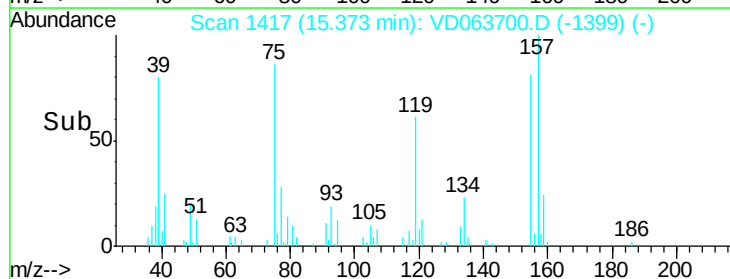
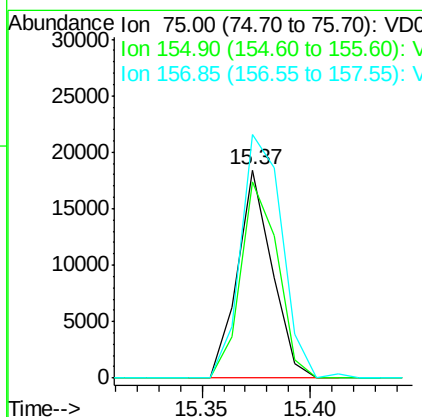
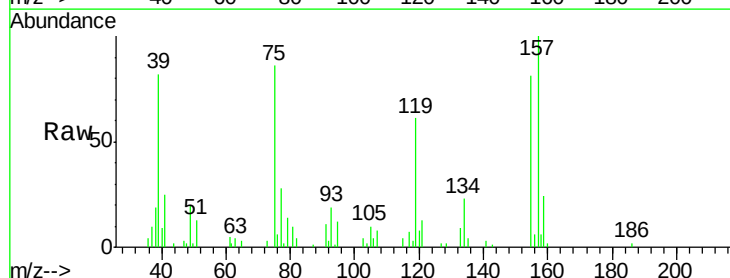
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

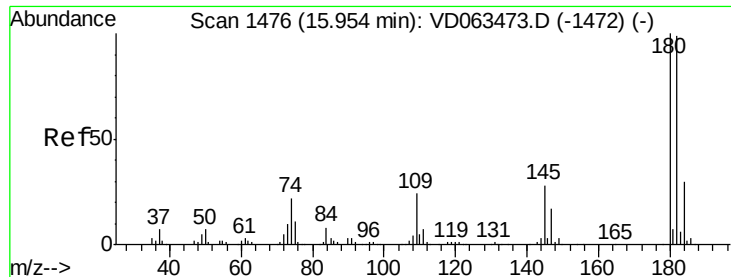
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.2	60.6
148	63.9	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.148 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.4	50.1	150.3
157	116.9	65.0	195.1

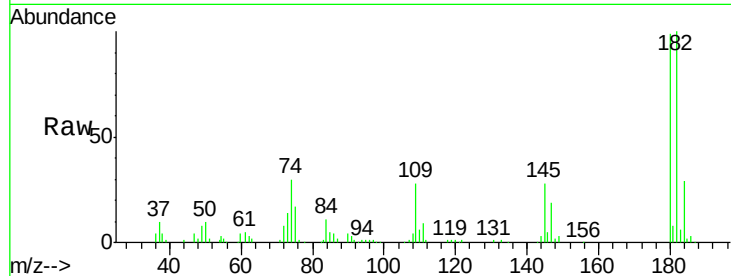




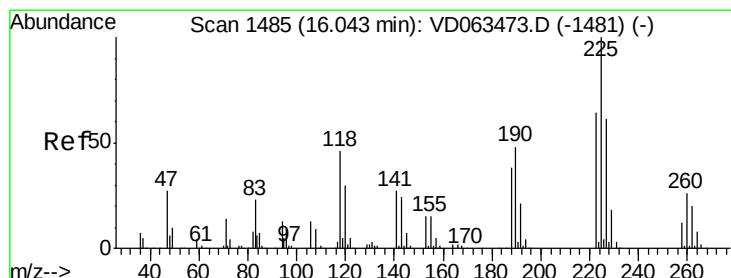
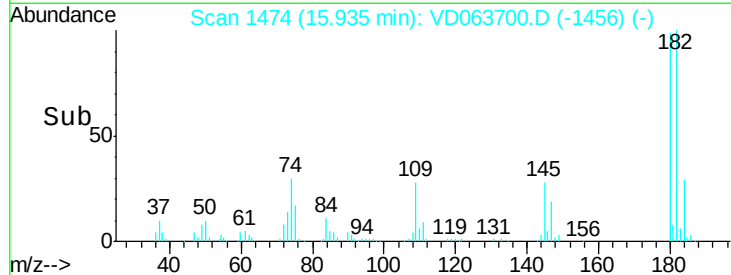
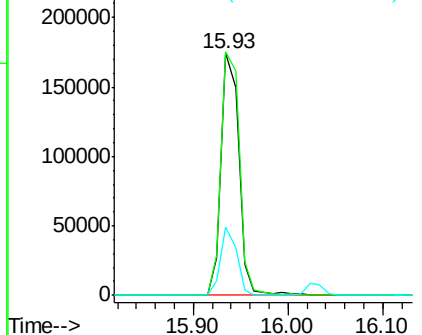
#93
 1,2,4-Trichlorobenzene
 Concen: 20.314 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.02 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

Tot Ion:180 Resp: 227490
 Ion Ratio Lower Upper
 180 100
 182 100.6 49.7 149.1
 145 28.0 14.1 42.2

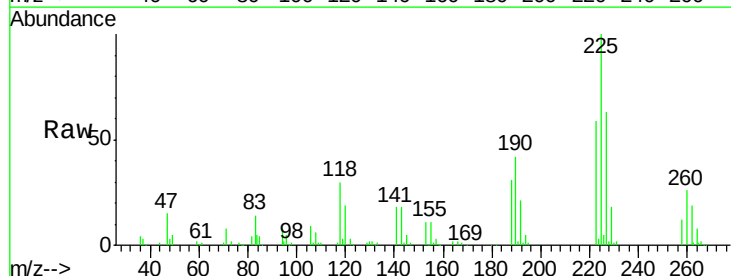


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

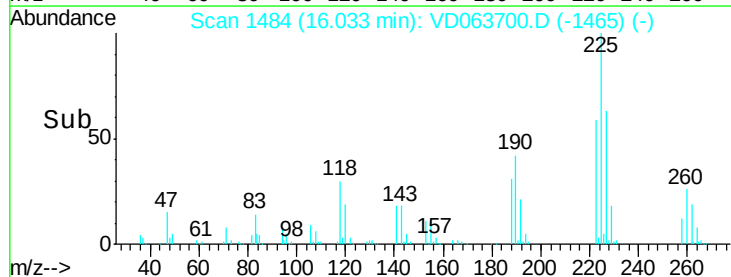
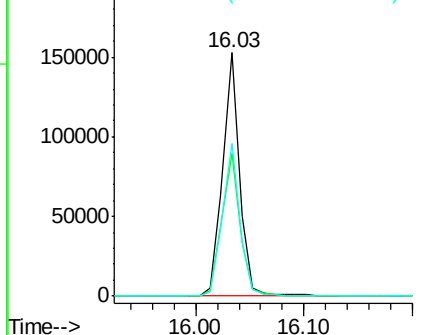


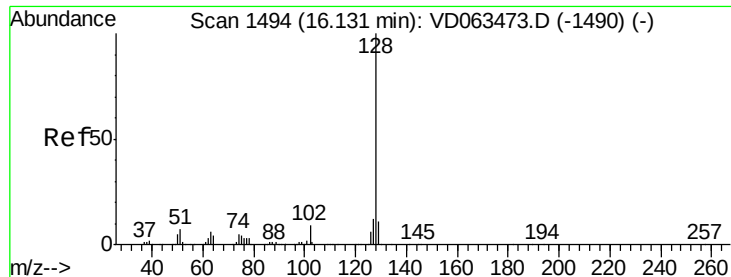
#94
 Hexachlorobutadiene
 Concen: 19.582 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063700.D
 Acq: 20 Aug 2019 23:42

Tgt Ion:225 Resp: 167127
 Ion Ratio Lower Upper
 225 100
 223 58.6 31.9 95.5
 227 63.0 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: 19.590 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

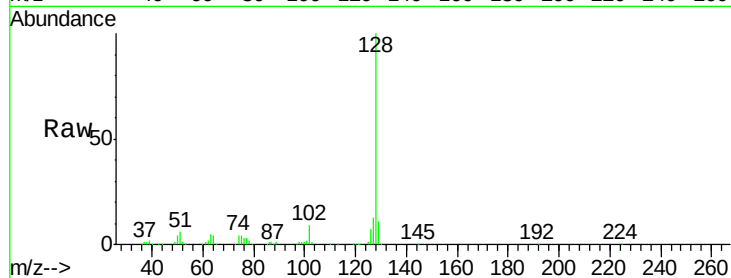
Tot Ion:128 Resp: 332468

Ion Ratio Lower Upper

128 100

127 13.1 9.4 14.0

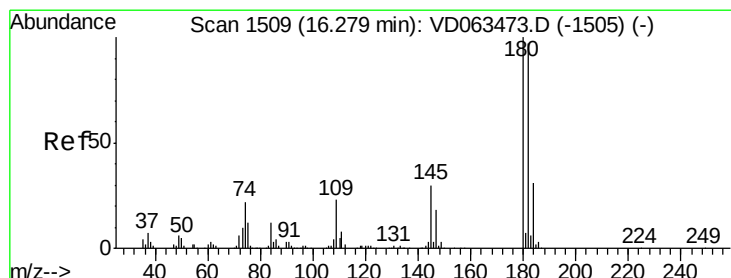
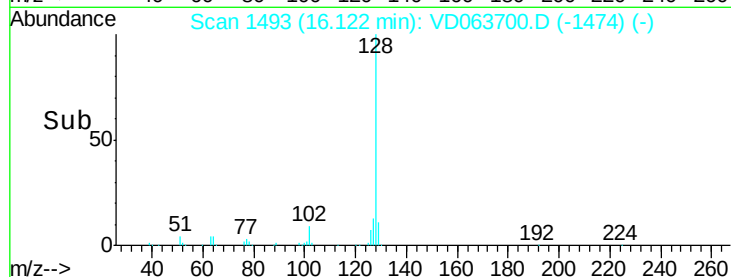
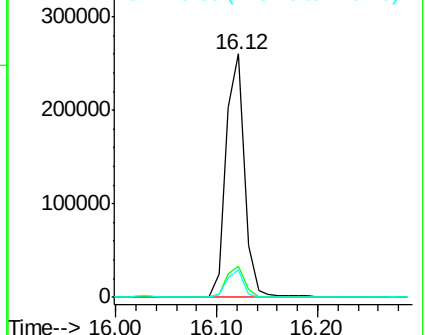
129 11.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.509 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD063700.D

Acq: 20 Aug 2019 23:42

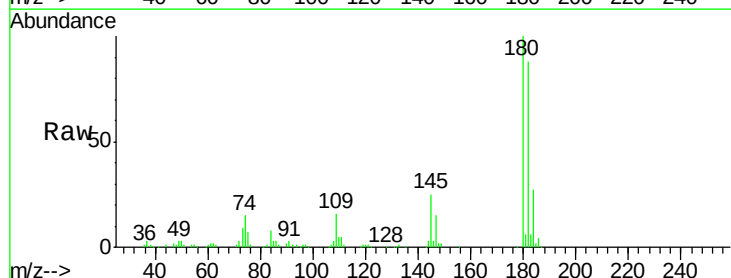
Tgt Ion:180 Resp: 203592

Ion Ratio Lower Upper

180 100

182 87.8 48.4 145.2

145 25.3 14.9 44.9



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

