

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063480.D
 Acq On : 12 Aug 2019 11:55
 Operator : JC/SY
 Sample : VD0812SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

Quant Time: Aug 12 12:18:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1231099	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1625668	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1353145	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	718791	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	697918	53.04	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	106.08%	
35) Dibromofluoromethane	6.92	113	730482	53.35	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.70%	
50) Toluene-d8	10.40	98	1689023	56.11	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.22%	
62) 4-Bromofluorobenzene	13.55	95	706135	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	295262	19.824	ug/l	100
3) Chloromethane	1.75	50	244169	20.982	ug/l	95
4) Vinyl Chloride	1.84	62	237477	20.557	ug/l	99
5) Bromomethane	2.14	94	90075	16.525	ug/l	98
6) Chloroethane	2.25	64	93951	17.785	ug/l	96
7) Trichlorofluoromethane	2.52	101	465264	20.533	ug/l	97
8) Diethyl Ether	2.86	74	64316	20.103	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.14	101	252393	18.864	ug/l	95
10) Methyl Iodide	3.29	142	341268	18.027	ug/l	92
11) Tert butyl alcohol	4.08	59	62785	109.599	ug/l #	93
12) 1,1-Dichloroethene	3.11	96	203349	20.442	ug/l	92
13) Acrolein	3.02	56	51173	90.753	ug/l #	82
14) Allyl chloride	3.60	41	287661	19.236	ug/l	99
15) Acrylonitrile	4.18	53	159616	105.193	ug/l	94
16) Acetone	3.22	43	266050	99.455	ug/l	96
17) Carbon Disulfide	3.36	76	642530	20.466	ug/l	97
18) Methyl Acetate	3.63	43	97551	19.252	ug/l #	89
19) Methyl tert-butyl Ether	4.23	73	419328	21.078	ug/l	93
20) Methylene Chloride	3.80	84	235665	20.373	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	213255	20.372	ug/l	95
22) Diisopropyl ether	5.11	45	599288	19.420	ug/l	94
23) Vinyl Acetate	5.05	43	1845794	102.887	ug/l	99
24) 1,1-Dichloroethane	4.97	63	367356	19.194	ug/l	98
25) 2-Butanone	6.07	43	255599	96.745	ug/l	98
26) 2,2-Dichloropropane	6.01	77	376963	19.774	ug/l	92
27) cis-1,2-Dichloroethene	6.03	96	231138	20.181	ug/l	95
28) Bromochloromethane	6.43	49	154046	19.859	ug/l	98
29) Tetrahydrofuran	6.45	42	129329	105.051	ug/l	99
30) Chloroform	6.65	83	468203	19.681	ug/l	88
31) Cyclohexane	6.95	56	238723	20.091	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	450620	19.801	ug/l	98
36) 1,1-Dichloropropene	7.14	75	310403	21.599	ug/l	93
37) Ethyl Acetate	6.17	43	118223	19.632	ug/l #	93
38) Carbon Tetrachloride	7.11	117	445866	20.586	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	245386	20.080	ug/l	94
40) Benzene	7.44	78	682053	21.566	ug/l	98
41) Methacrylonitrile	6.45	41	157478	20.769	ug/l #	91
42) 1,2-Dichloroethane	7.57	62	333117	20.948	ug/l	98
43) Isopropyl Acetate	9.23	43	171333	21.243	ug/l #	99
44) Trichloroethene	8.53	130	256448	21.215	ug/l	98
45) 1,2-Dichloropropane	8.93	63	160636	21.811	ug/l	94
46) Dibromomethane	9.05	93	134254	21.346	ug/l	90
47) Bromodichloromethane	9.37	83	345436	21.411	ug/l	97
48) Methyl methacrylate	9.11	41	124365	22.737	ug/l	94
49) 1,4-Dioxane	9.07	88	17837	380.887	ug/l #	86
51) 4-Methyl-2-Pentanone	10.30	43	585440	106.079	ug/l	100
52) Toluene	10.50	92	422885	20.760	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	301066	22.866	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	310984	20.947	ug/l	92
55) 1,1,2-Trichloroethane	11.19	97	149007	21.655	ug/l	93
56) Ethyl methacrylate	11.03	69	161093	21.570	ug/l	92
57) 1,3-Dichloropropane	11.40	76	219553	21.109	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.85	63	411354	104.328	ug/l	96
59) 2-Hexanone	11.53	43	440951	109.806	ug/l	97
60) Dibromochloromethane	11.68	129	266306	21.269	ug/l	95
61) 1,2-Dibromoethane	11.80	107	171058	20.535	ug/l	99
64) Tetrachloroethene	11.25	164	228922	21.915	ug/l	92
65) Chlorobenzene	12.39	112	533452	21.034	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	240804	21.575	ug/l	94
67) Ethyl Benzene	12.52	91	925808	20.995	ug/l	100
68) m/p-Xylenes	12.67	106	697095	44.995	ug/l	97
69) o-Xylene	13.04	106	332775	22.317	ug/l	98
70) Styrene	13.07	104	546645	20.610	ug/l	97
71) Bromoform	13.23	173	164557	21.502	ug/l	98
73) Isopropylbenzene	13.40	105	907468	19.849	ug/l	95
74) N-amyl acetate	13.26	43	231699	20.188	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	154639	20.378	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	174779	21.187	ug/l	98
77) Bromobenzene	13.66	156	276763	22.150	ug/l	95
78) n-propylbenzene	13.77	91	1081172	20.211	ug/l	97
79) 2-Chlorotoluene	13.84	91	629844	20.421	ug/l	91
80) 1,3,5-Trimethylbenzene	13.93	105	856941	21.452	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	41289	18.622	ug/l	97
82) 4-Chlorotoluene	13.95	91	820353	22.119	ug/l	89
83) tert-Butylbenzene	14.18	119	924769	21.984	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	829098	22.432	ug/l	91
85) sec-Butylbenzene	14.36	105	906809	20.299	ug/l	98
86) p-Isopropyltoluene	14.49	119	874582	20.476	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	433644	19.187	ug/l	93
88) 1,4-Dichlorobenzene	14.54	146	457446	21.096	ug/l	97
89) n-Butylbenzene	14.79	91	784157	20.115	ug/l	95
90) Hexachloroethane	15.00	117	234647	21.856	ug/l	79
91) 1,2-Dichlorobenzene	14.80	146	410853	21.426	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	25715	17.997	ug/l	93

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

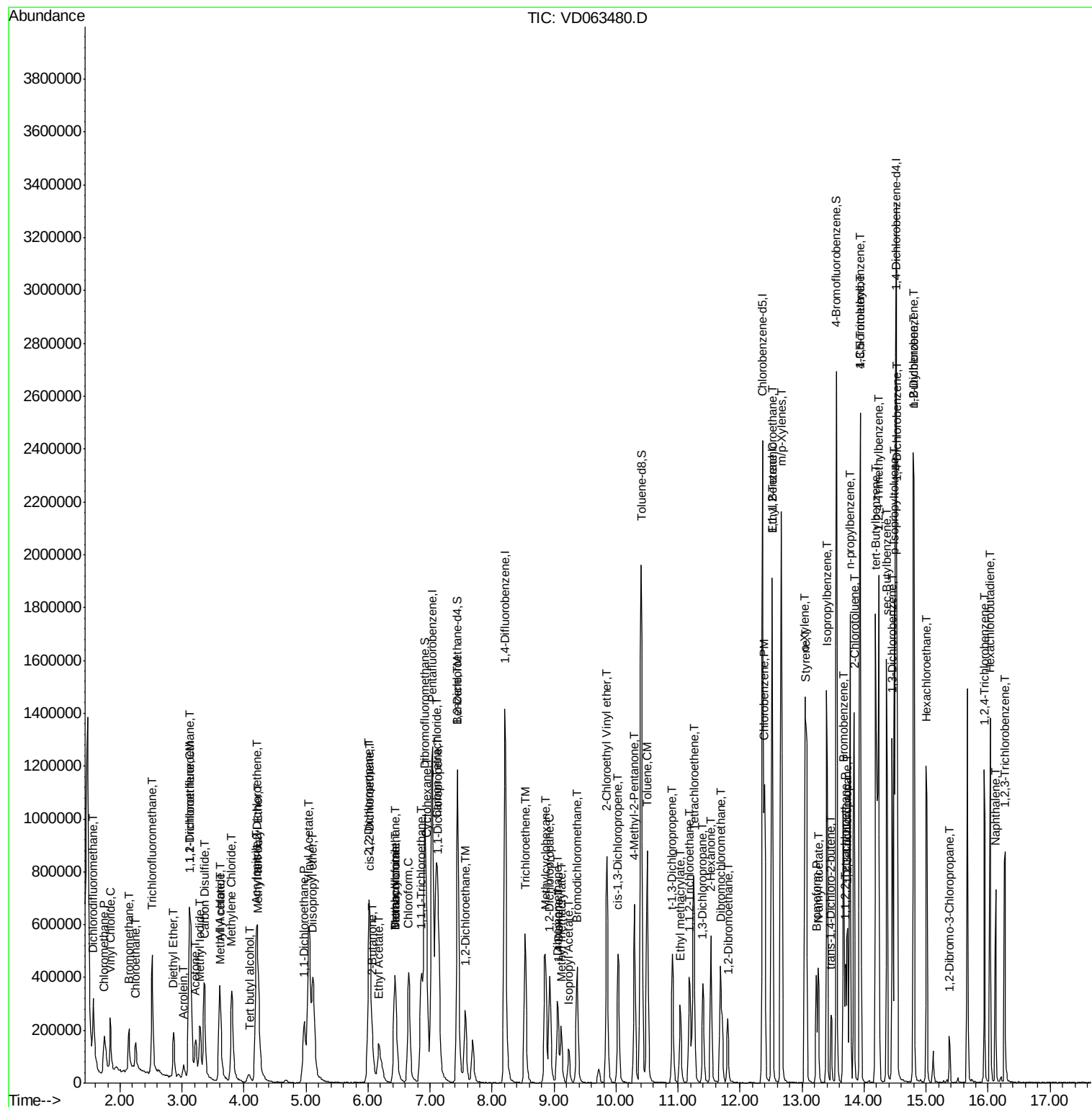
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	308807	21.886	ug/l	96
94) Hexachlorobutadiene	16.03	225	217381	20.215	ug/l	95
95) Naphthalene	16.12	128	447399	20.922	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	249625	21.904	ug/l	98

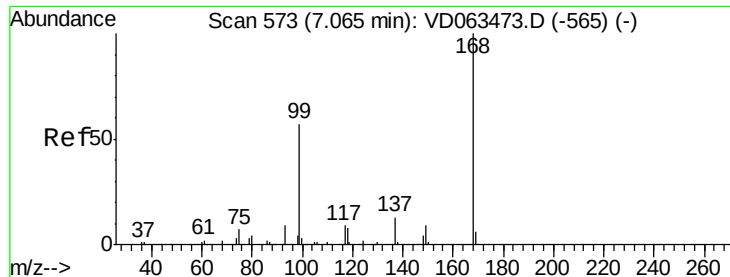
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

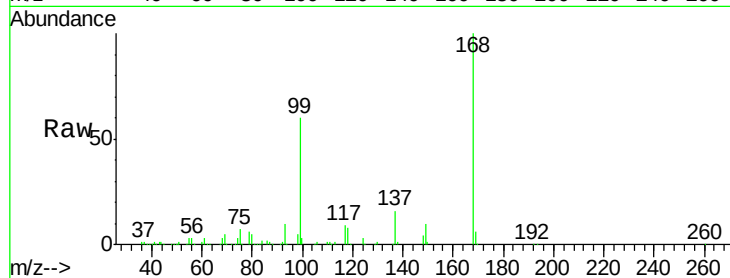
VD0812SBS01

Tot Ion:168 Resp: 1231099

Ion Ratio Lower Upper

168 100

99 60.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

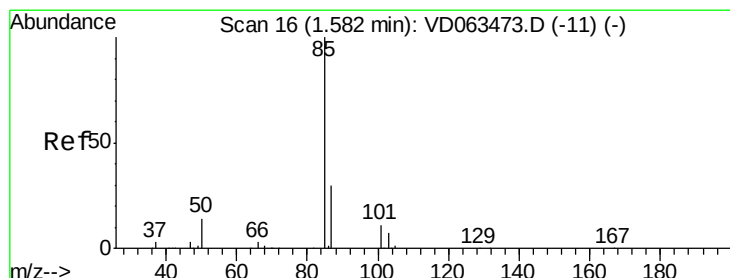
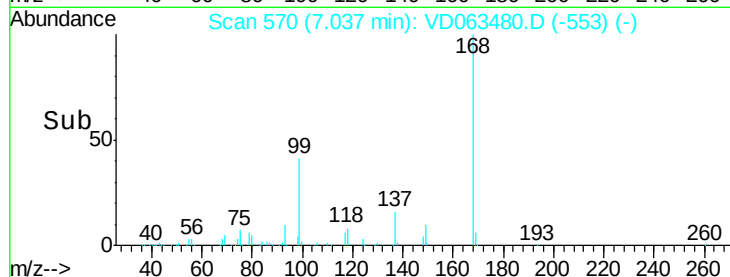
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.824 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD063480.D

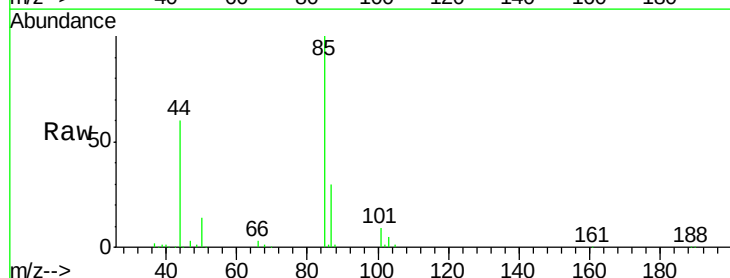
Acq: 12 Aug 2019 11:55

Tgt Ion: 85 Resp: 295262

Ion Ratio Lower Upper

85 100

87 30.2 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

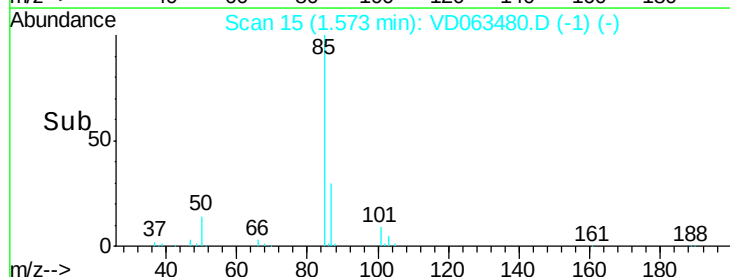
1.57

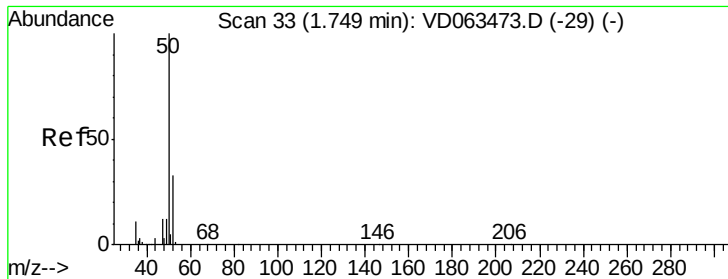
100000

50000

0

Time-->





#3

Chloromethane

Concen: 20.982 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

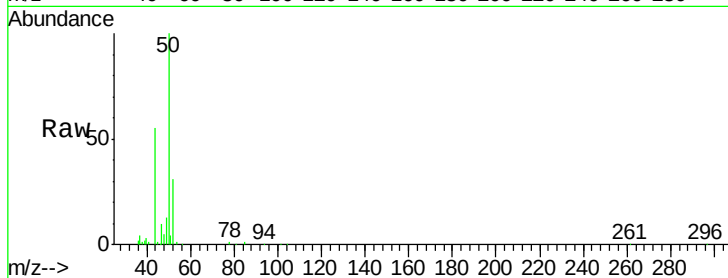
VD0812SBS01

Tot Ion: 50 Resp: 244169

Ion Ratio Lower Upper

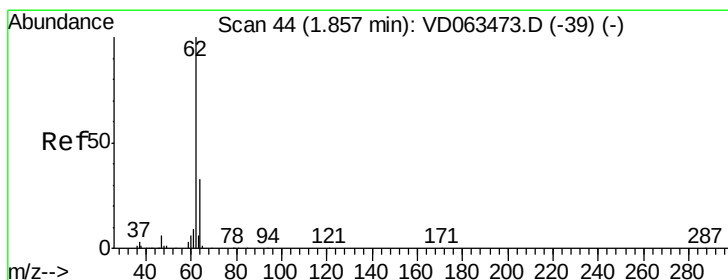
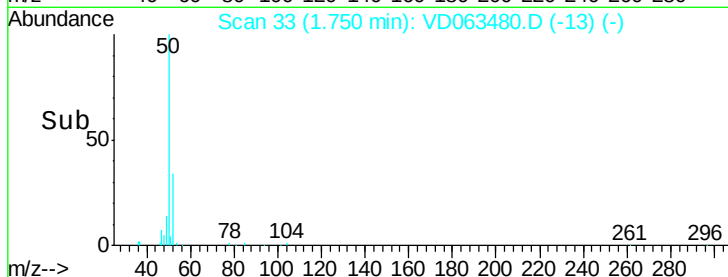
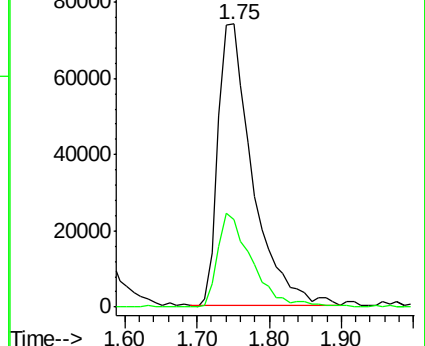
50 100

52 30.7 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.557 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063480.D

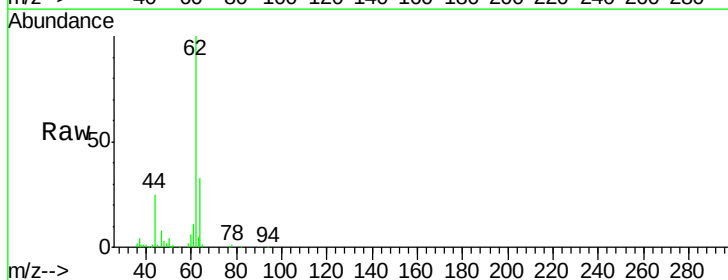
Acq: 12 Aug 2019 11:55

Tgt Ion: 62 Resp: 237477

Ion Ratio Lower Upper

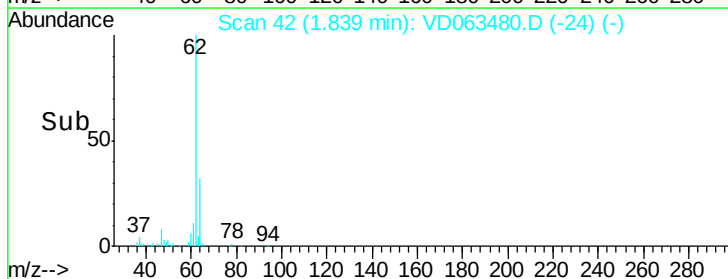
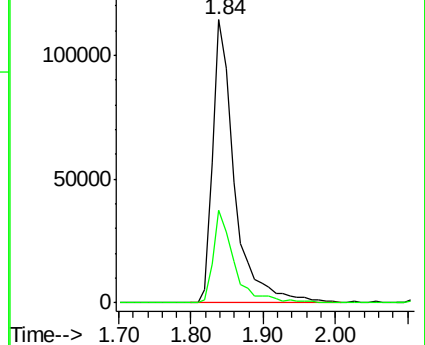
62 100

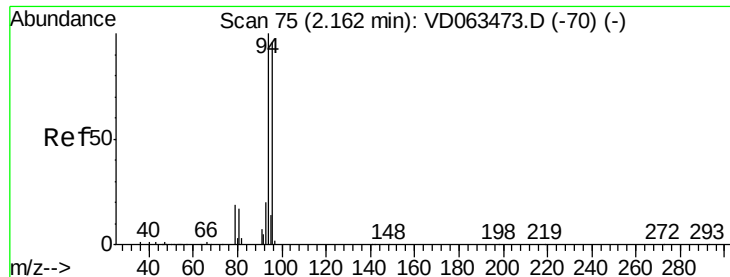
64 32.6 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.525 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

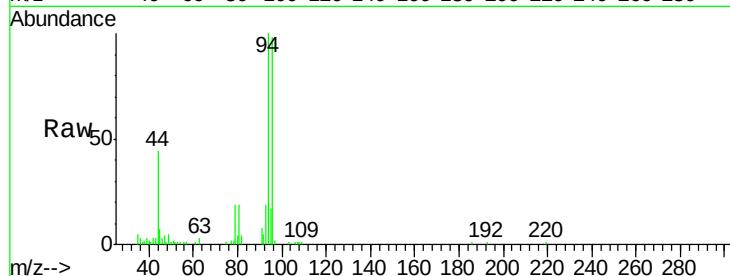
Tot Ion: 94 Resp: 90075

Ion Ratio Lower Upper

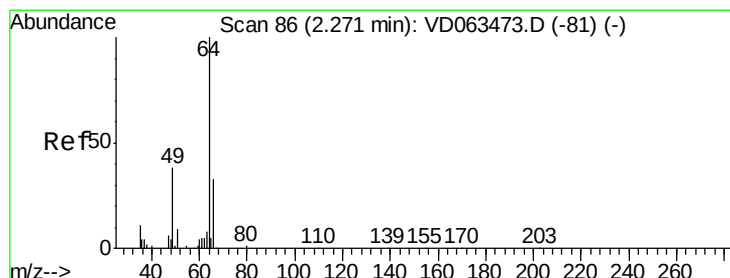
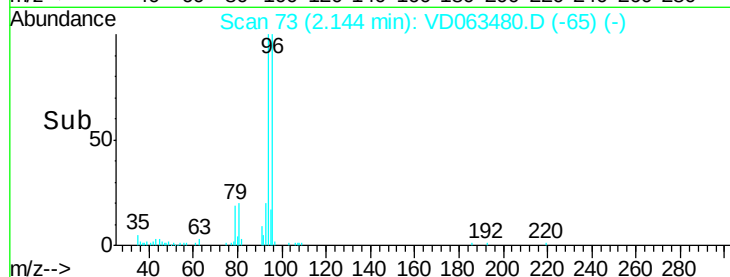
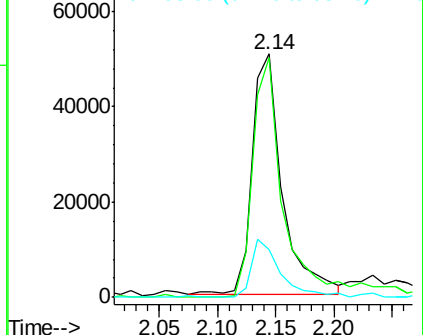
94 100

96 98.4 76.5 114.7

93 19.5 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: 17.785 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD063480.D

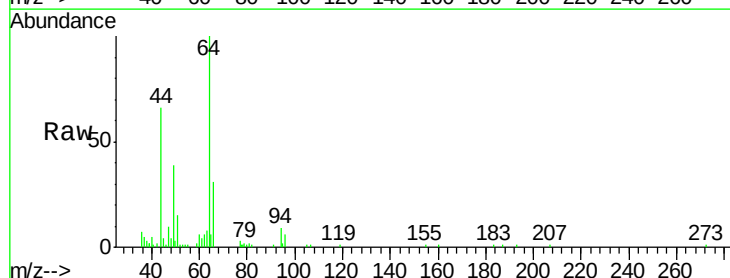
Acq: 12 Aug 2019 11:55

Tgt Ion: 64 Resp: 93951

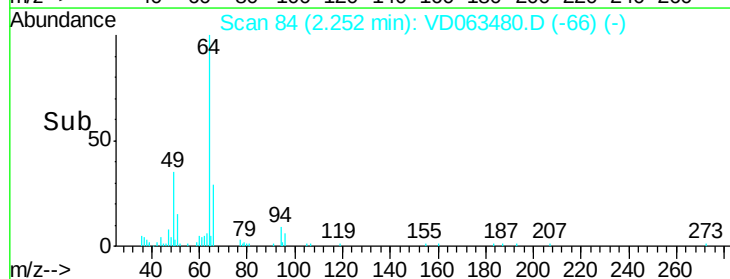
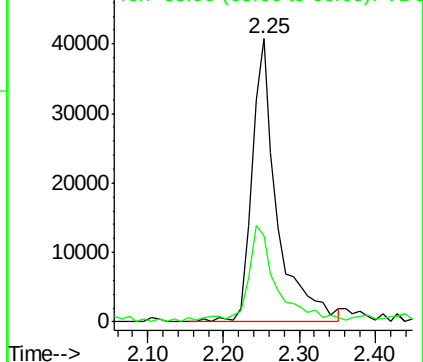
Ion Ratio Lower Upper

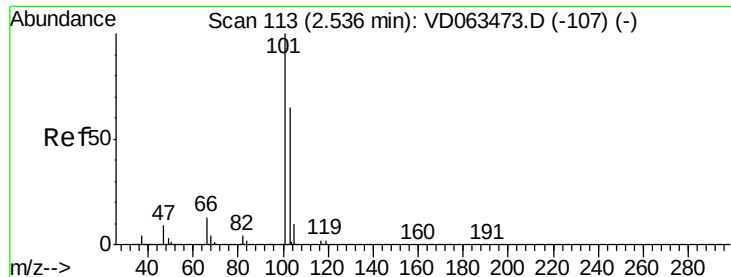
64 100

66 30.7 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



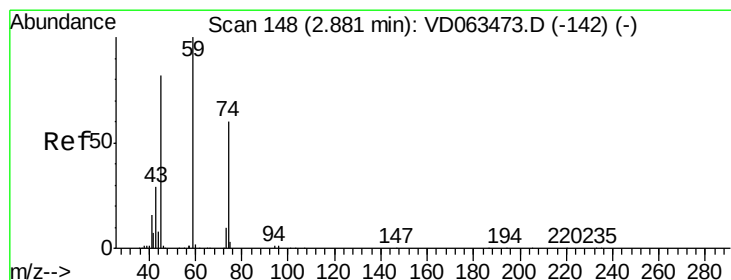
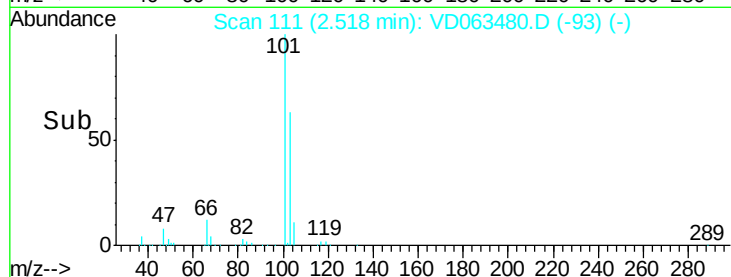
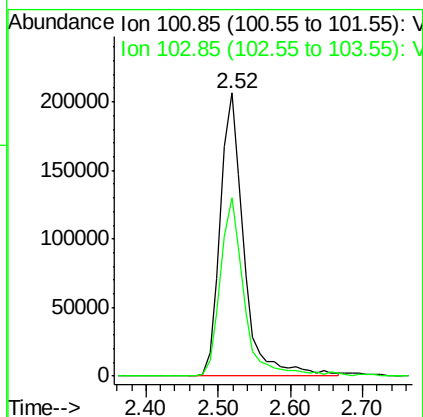
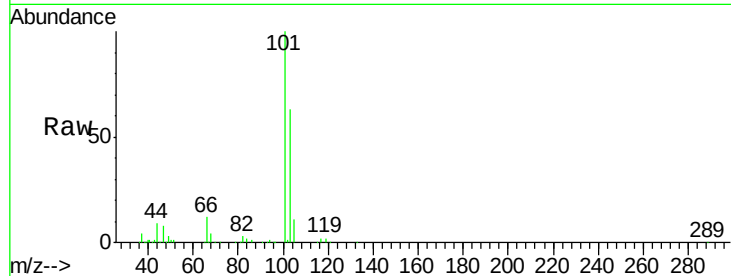


#7

Trichlorofluoromethane
 Concen: 20.533 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.02 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

Instrument :
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 VD0812SBS01

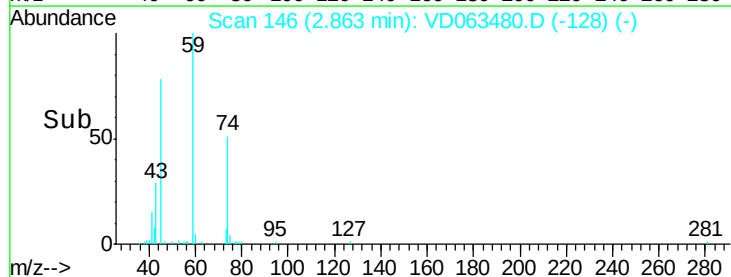
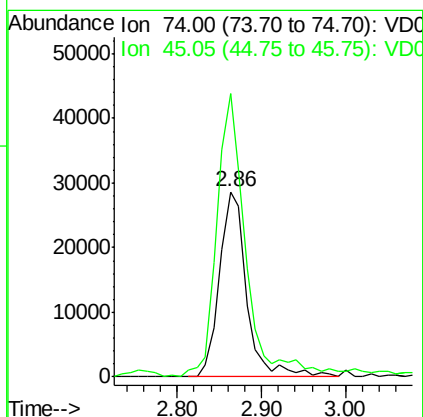
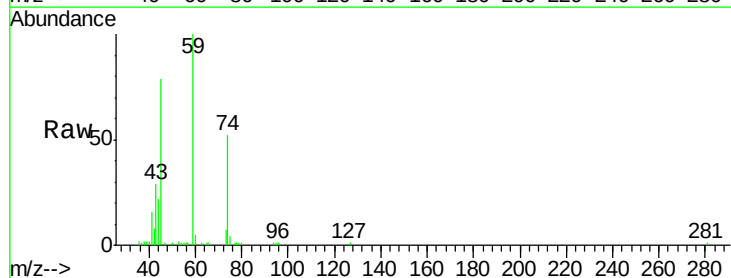
Tot Ion:101 Resp: 465264
 Ion Ratio Lower Upper
 101 100
 103 62.8 52.2 78.4

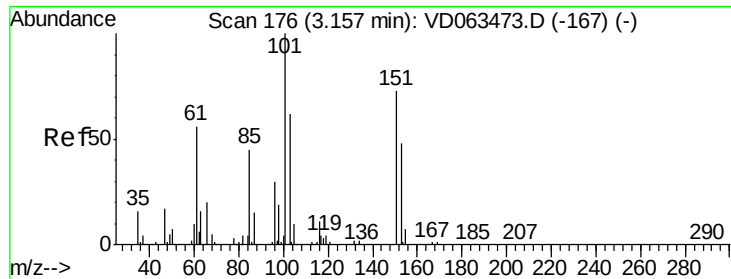


#8

Diethyl Ether
 Concen: 20.103 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

Tgt Ion: 74 Resp: 64316
 Ion Ratio Lower Upper
 74 100
 45 152.9 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.864 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

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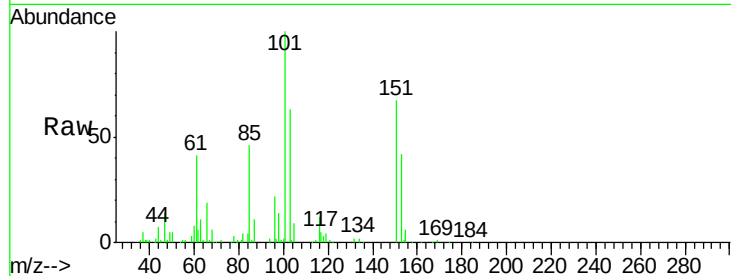
Tot Ion:101 Resp: 252393

Ion Ratio Lower Upper

101 100

85 45.8 35.8 53.6

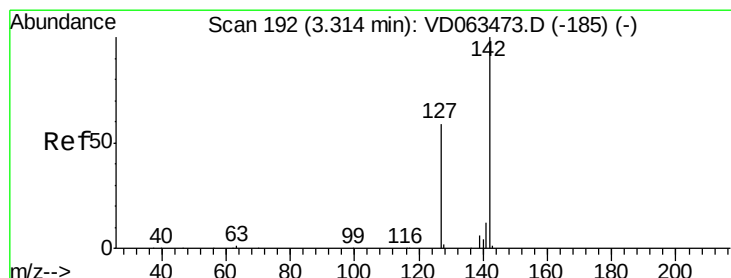
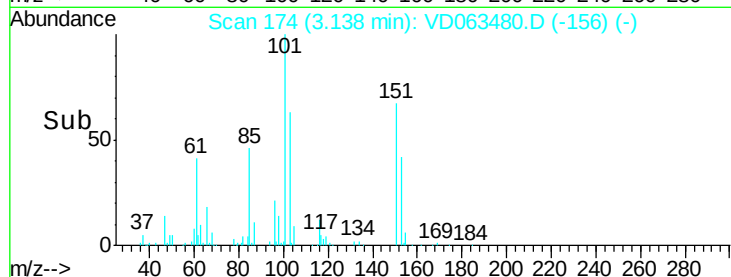
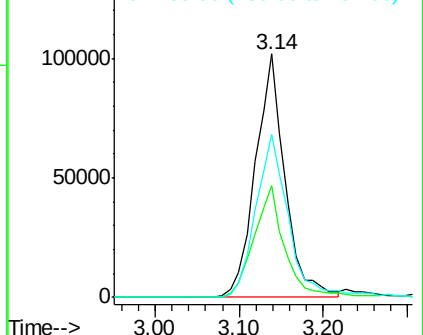
151 66.9 58.6 88.0



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: 18.027 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.03 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

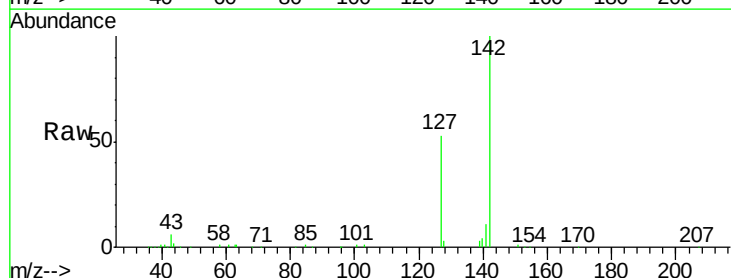
Tgt Ion:142 Resp: 341268

Ion Ratio Lower Upper

142 100

127 52.5 47.2 70.8

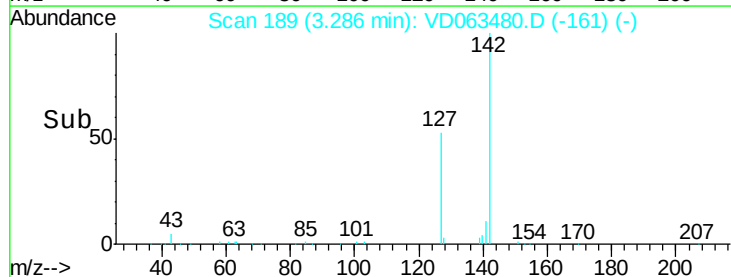
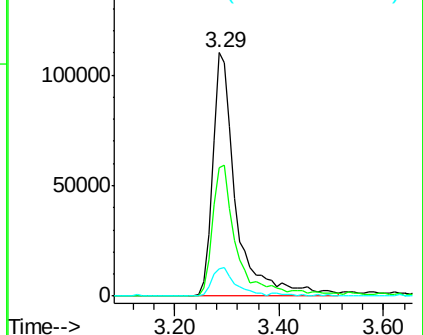
141 11.3 9.8 14.8

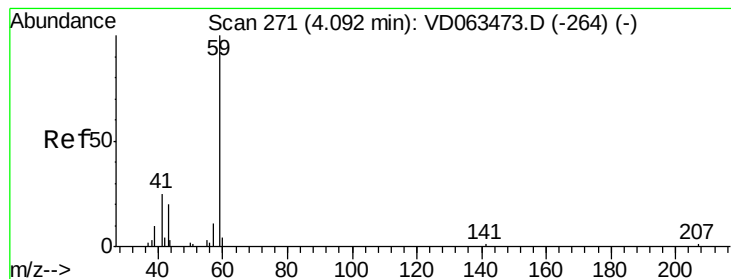


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 109.599 ug/l

RT: 4.08 min Scan# 270

Delta R.T. -0.01 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

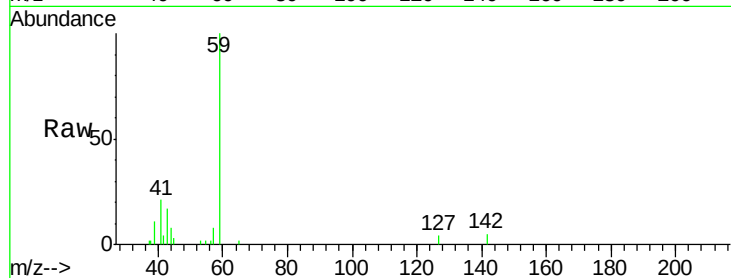
VD0812SBS01

Tot Ion: 59 Resp: 62785

Ion Ratio Lower Upper

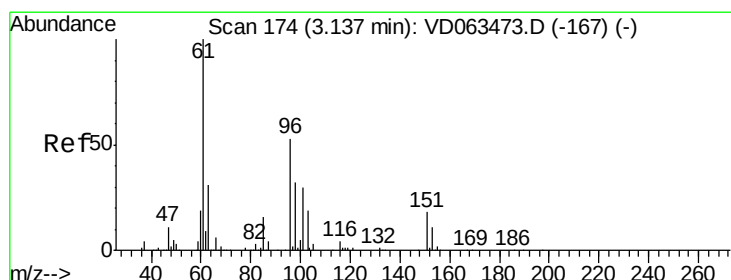
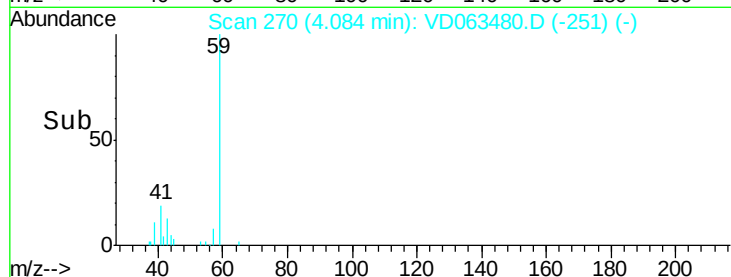
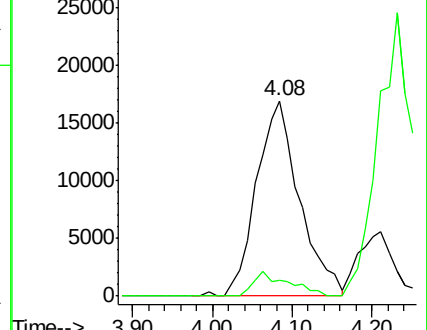
59 100

57 8.2 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 20.442 ug/l

RT: 3.11 min Scan# 171

Delta R.T. -0.03 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

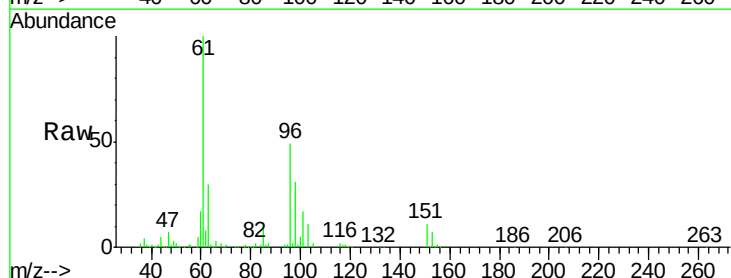
Tgt Ion: 96 Resp: 203349

Ion Ratio Lower Upper

96 100

61 203.7 151.7 227.5

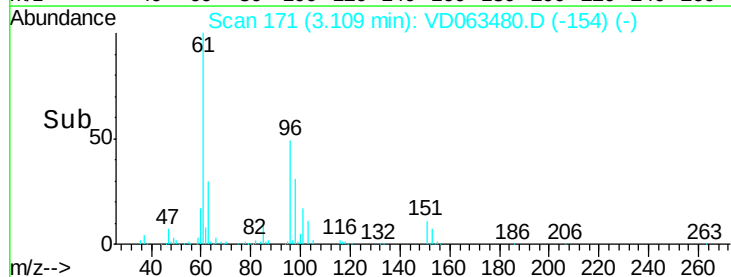
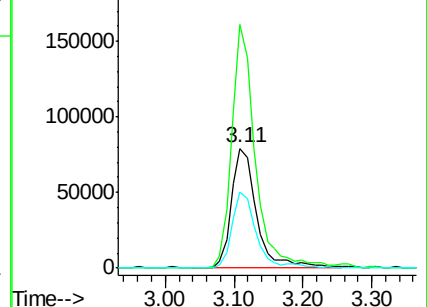
98 63.5 48.4 72.6

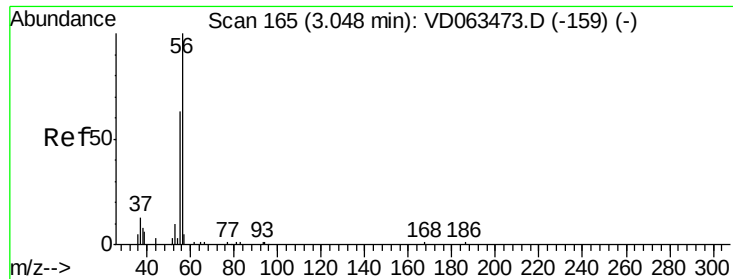


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 90.753 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

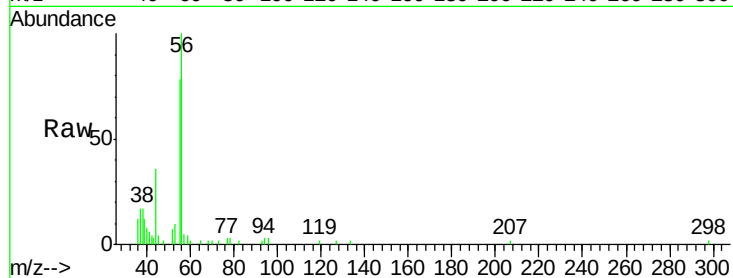
VD0812SBS01

Tot Ion: 56 Resp: 51173

Ion Ratio Lower Upper

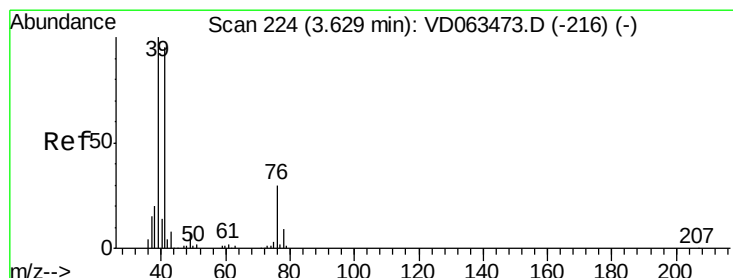
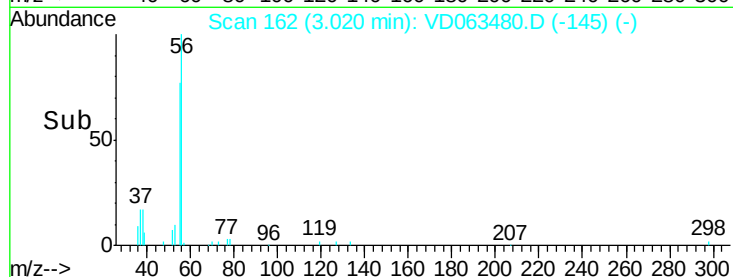
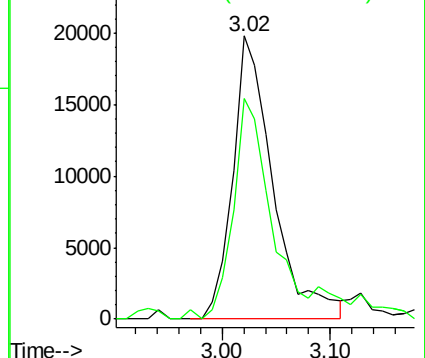
56 100

55 78.1 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: 19.236 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.03 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

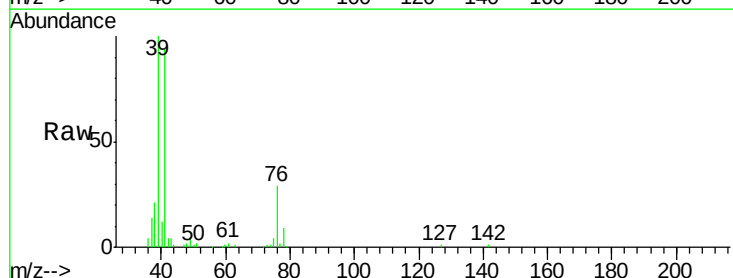
Tgt Ion: 41 Resp: 287661

Ion Ratio Lower Upper

41 100

39 105.9 84.2 126.4

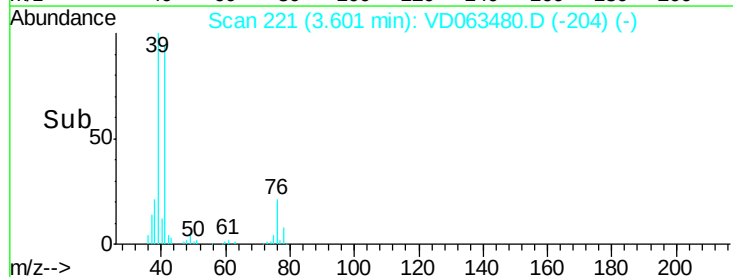
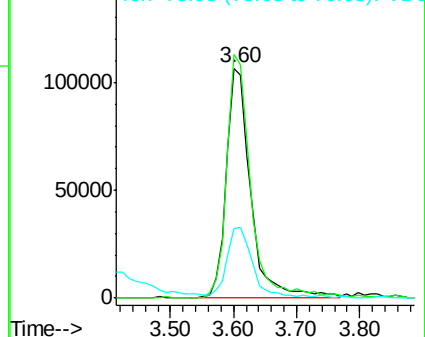
76 30.5 26.0 39.0

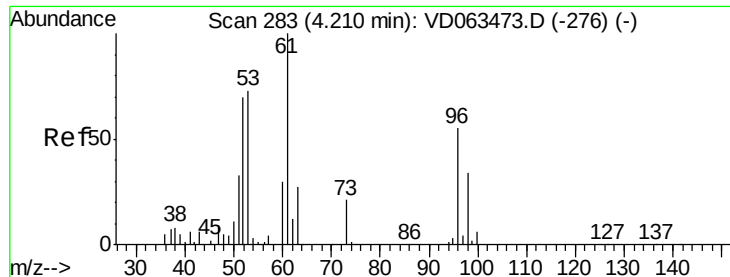


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 105.193 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

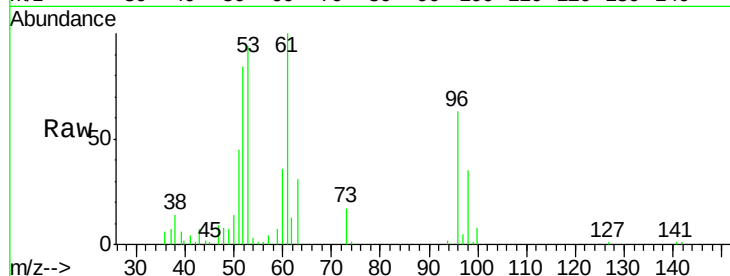
Tot Ion: 53 Resp: 159616

Ion Ratio Lower Upper

53 100

52 89.6 77.4 116.0

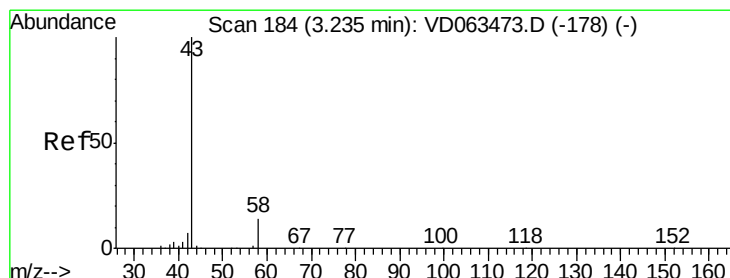
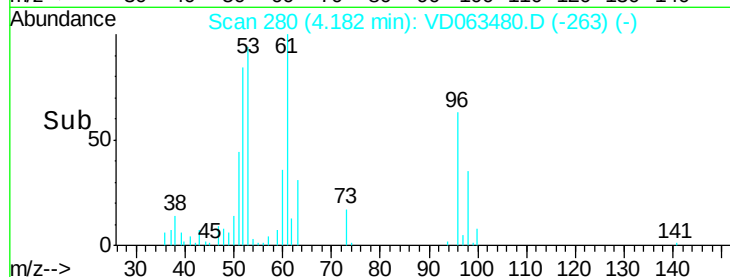
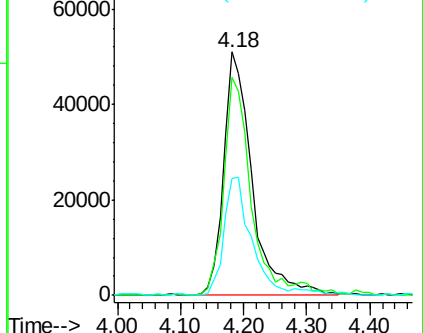
51 48.2 36.7 55.1



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 99.455 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063480.D

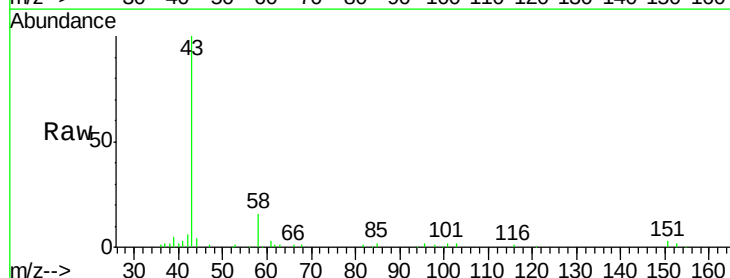
Acq: 12 Aug 2019 11:55

Tgt Ion: 43 Resp: 266050

Ion Ratio Lower Upper

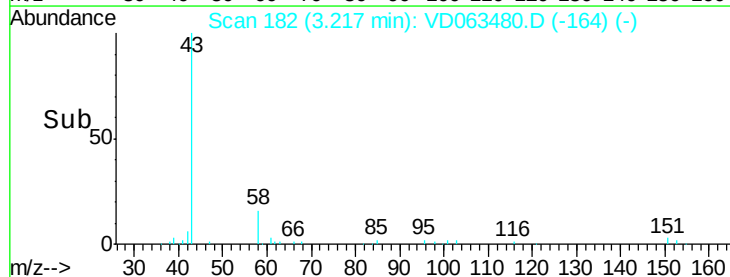
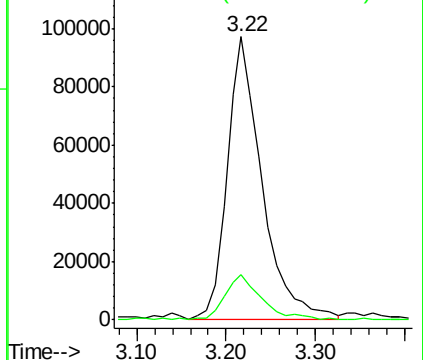
43 100

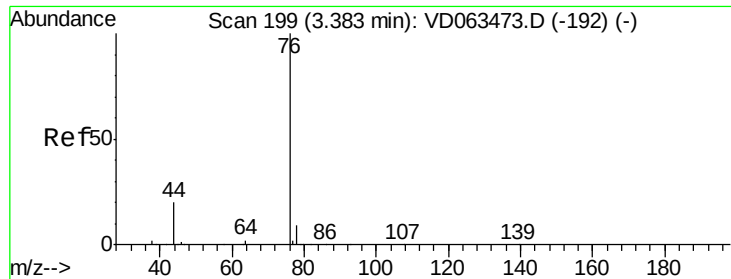
58 16.1 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.466 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.03 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

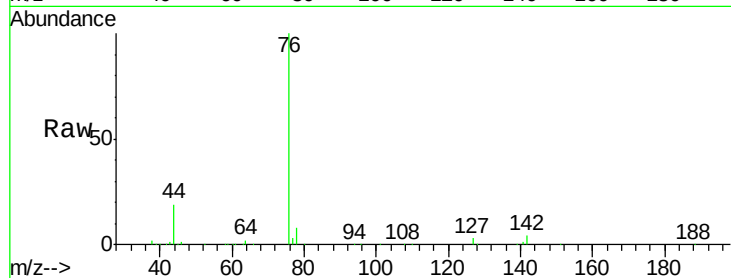
VD0812SBS01

Tot Ion: 76 Resp: 642530

Ion Ratio Lower Upper

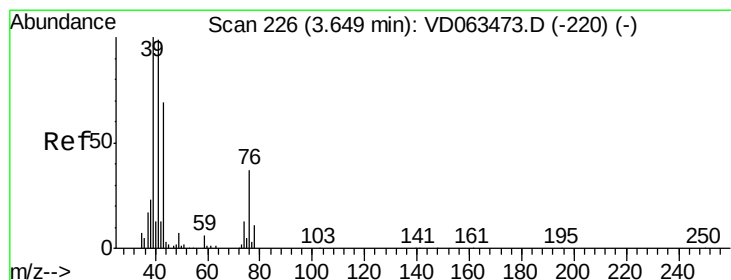
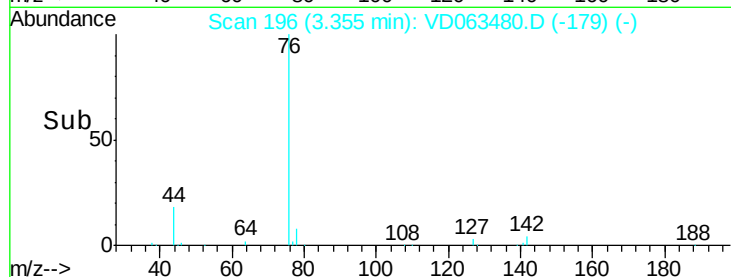
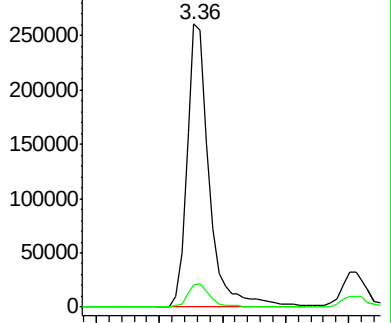
76 100

78 8.0 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: 19.252 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.02 min

Lab File: VD063480.D

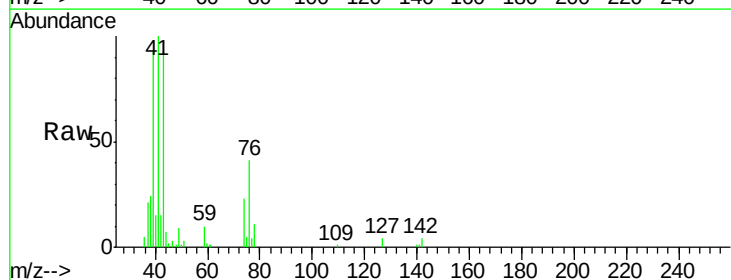
Acq: 12 Aug 2019 11:55

Tgt Ion: 43 Resp: 97551

Ion Ratio Lower Upper

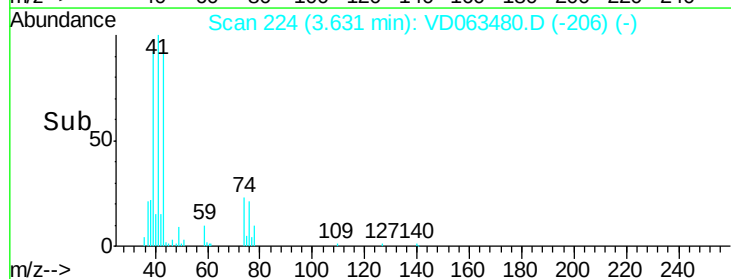
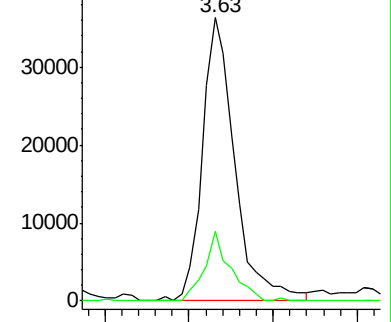
43 100

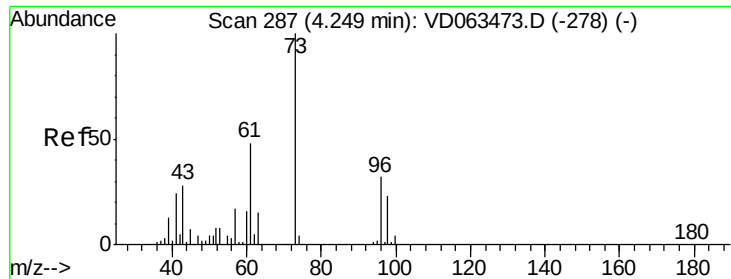
74 24.4 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

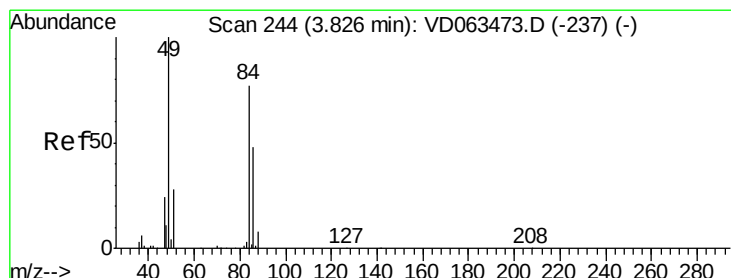
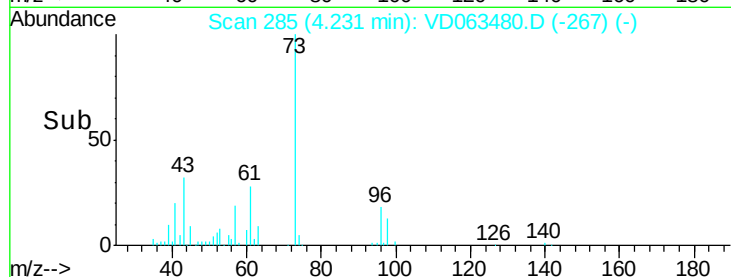
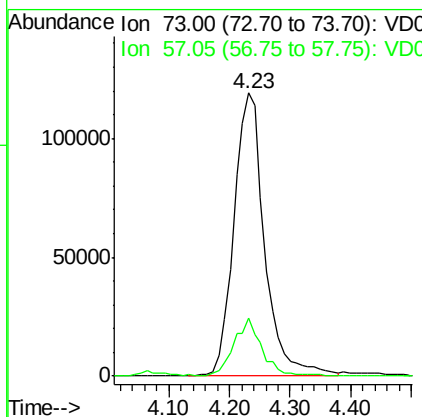
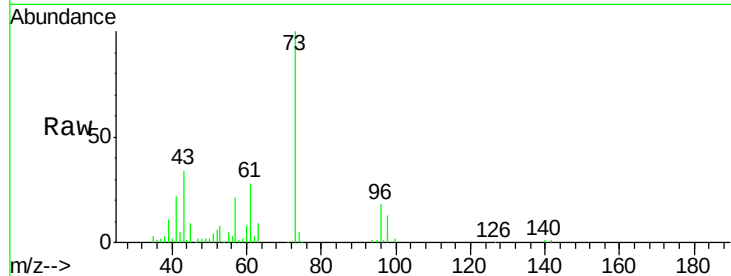




#19
Methyl tert-butyl Ether
Concen: 21.078 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

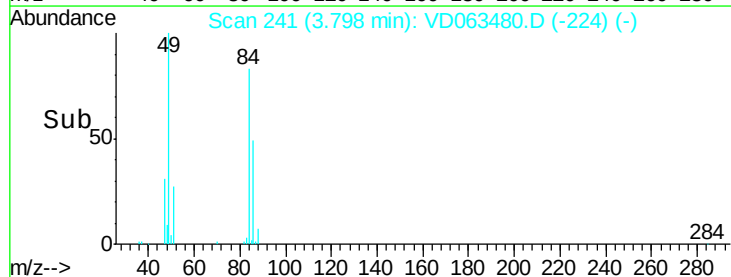
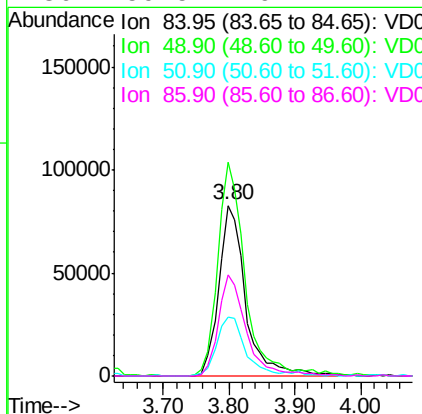
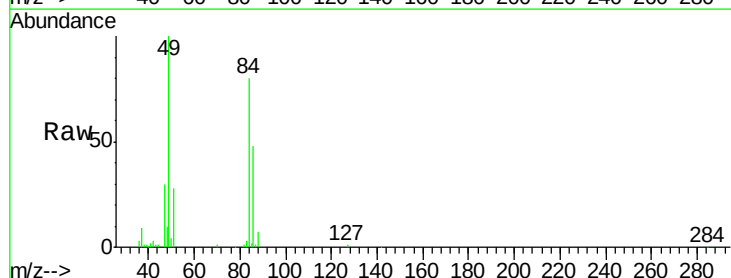
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

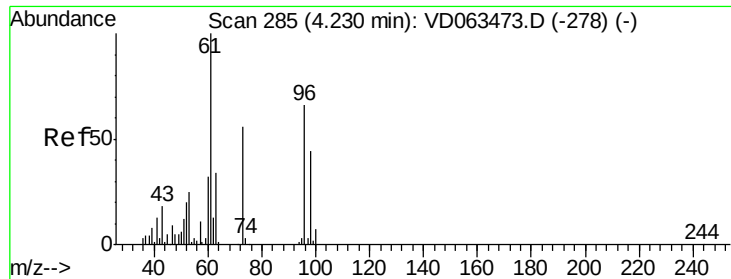
Tot Ion: 73 Resp: 419328
Ion Ratio Lower Upper
73 100
57 20.6 14.0 21.0



#20
Methylene Chloride
Concen: 20.373 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Tgt Ion: 84 Resp: 235665
Ion Ratio Lower Upper
84 100
49 125.2 103.4 155.2
51 34.5 28.5 42.7
86 59.5 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 20.372 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

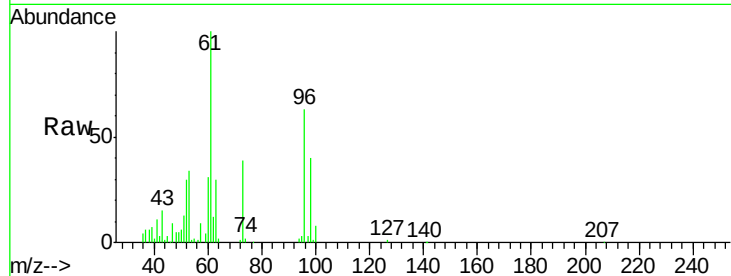
Tot Ion: 96 Resp: 213255

Ion Ratio Lower Upper

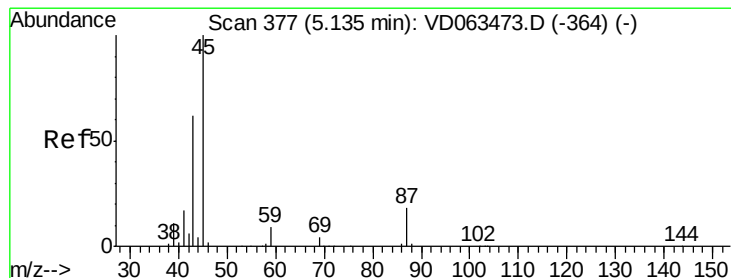
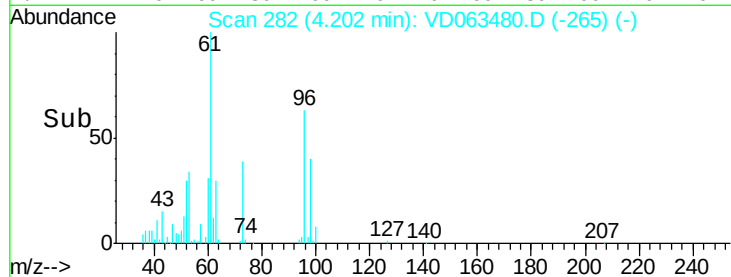
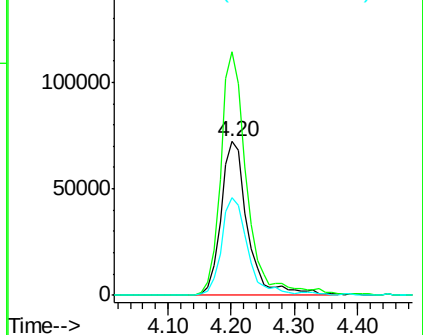
96 100

61 158.2 121.7 182.5

98 63.3 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: 19.420 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.03 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Tgt Ion: 45 Resp: 599288

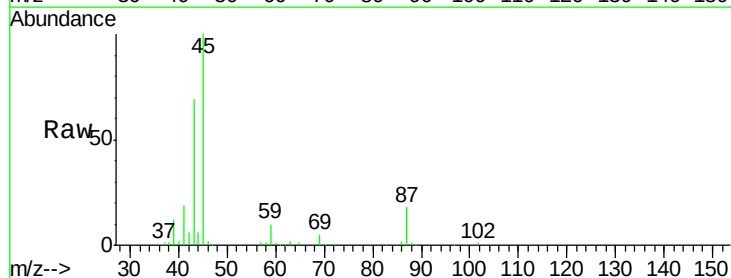
Ion Ratio Lower Upper

45 100

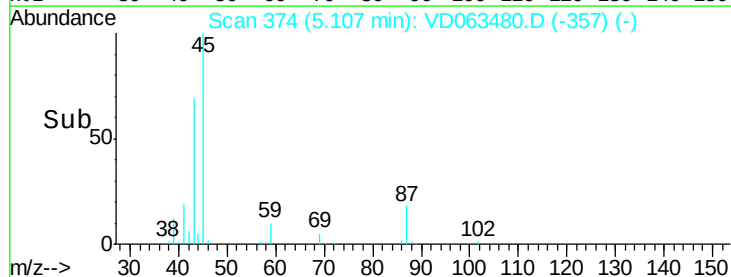
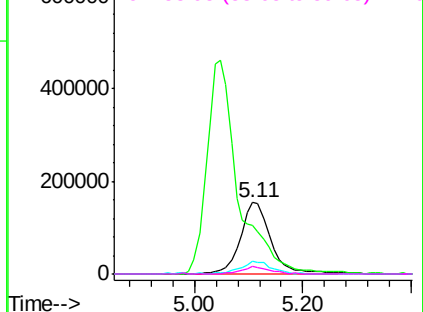
43 68.8 50.3 75.5

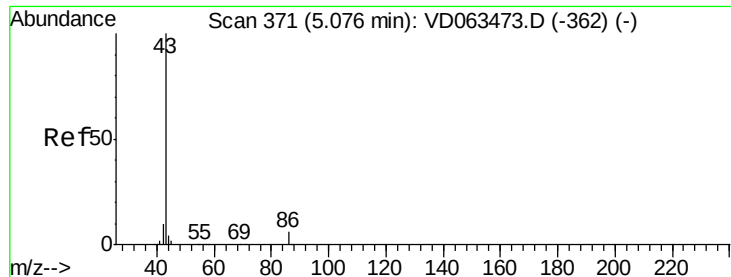
87 17.7 14.3 21.5

59 10.3 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: 102.887 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.03 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

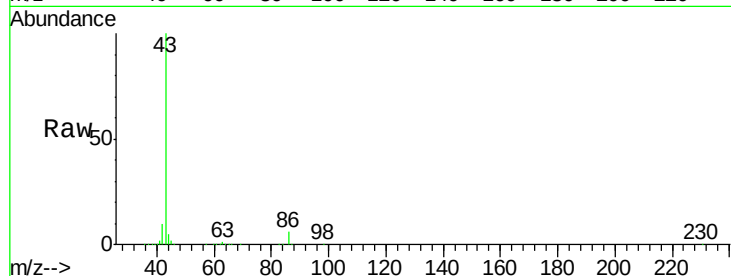
VD0812SBS01

Tot Ion: 43 Resp: 1845794

Ion Ratio Lower Upper

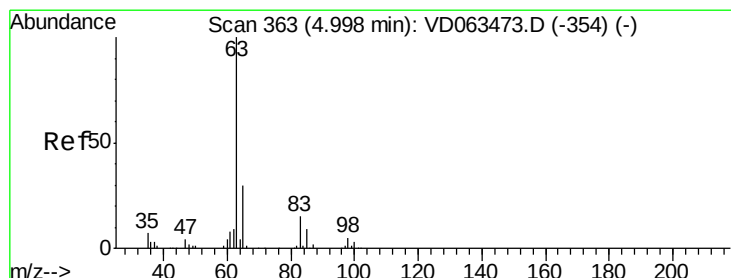
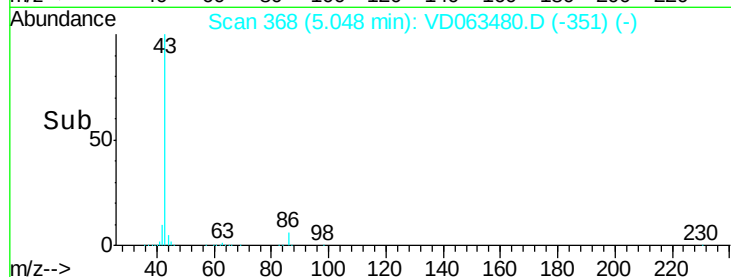
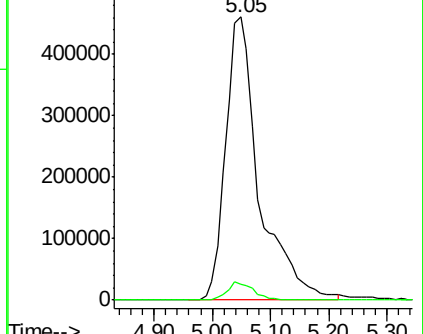
43 100

86 5.6 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: 19.194 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.03 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

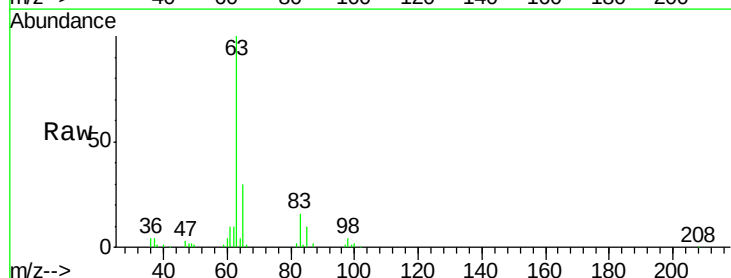
Tgt Ion: 63 Resp: 367356

Ion Ratio Lower Upper

63 100

98 4.1 2.4 7.2

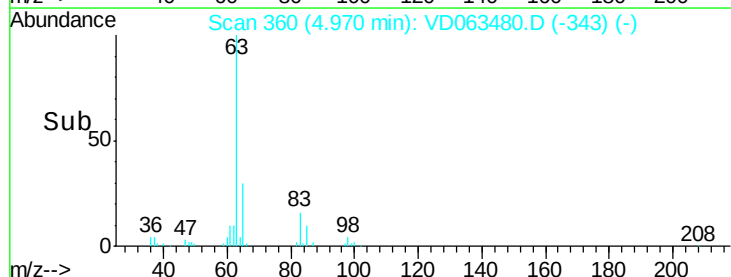
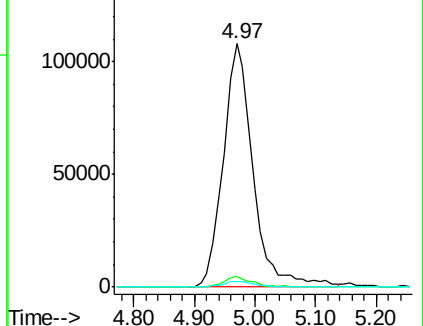
100 2.1 1.3 3.8

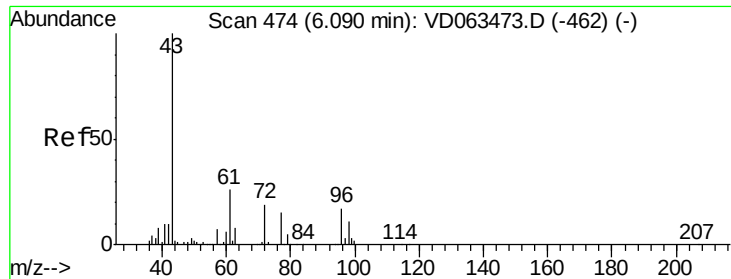


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 96.745 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

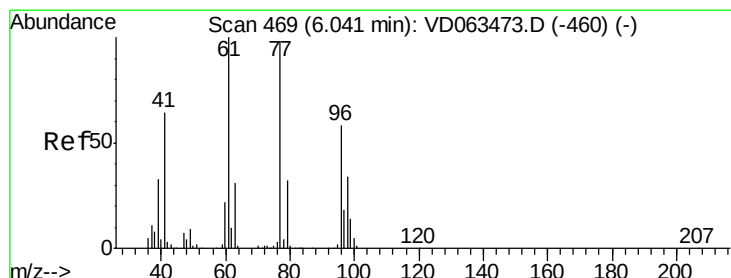
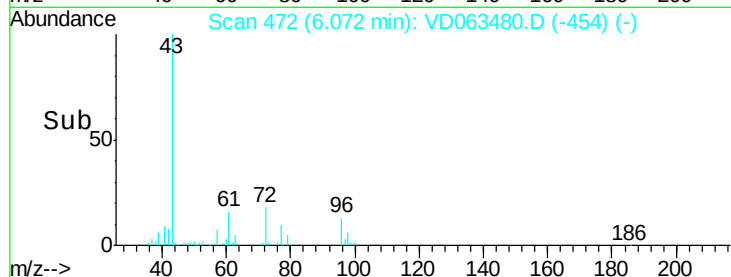
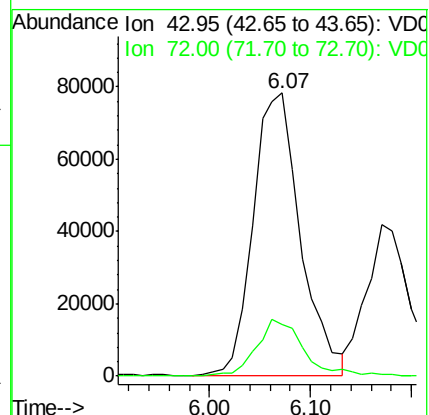
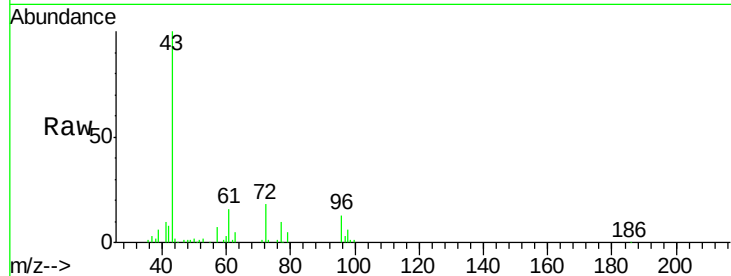
VD0812SBS01

Tot Ion: 43 Resp: 255599

Ion Ratio Lower Upper

43 100

72 18.2 15.1 22.7



#26

2,2-Dichloropropane

Concen: 19.774 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD063480.D

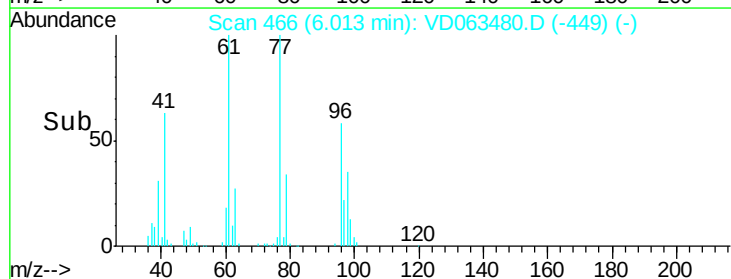
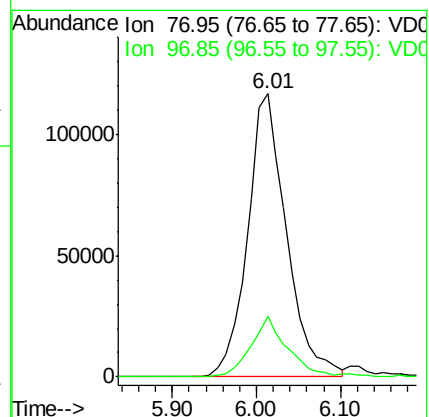
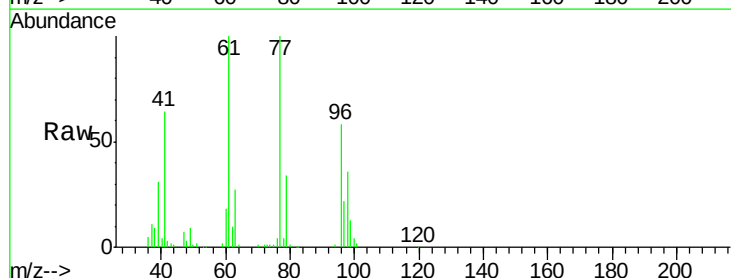
Acq: 12 Aug 2019 11:55

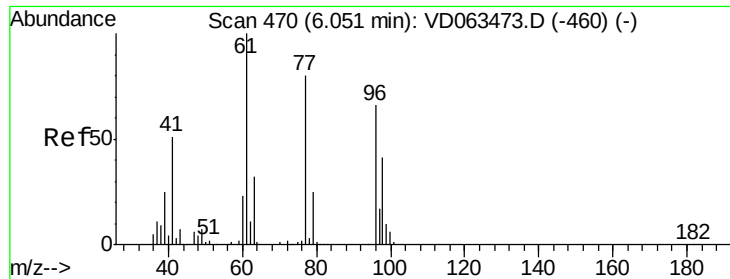
Tgt Ion: 77 Resp: 376963

Ion Ratio Lower Upper

77 100

97 21.6 9.0 27.1



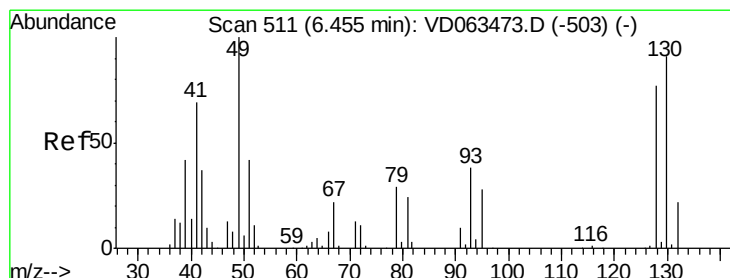
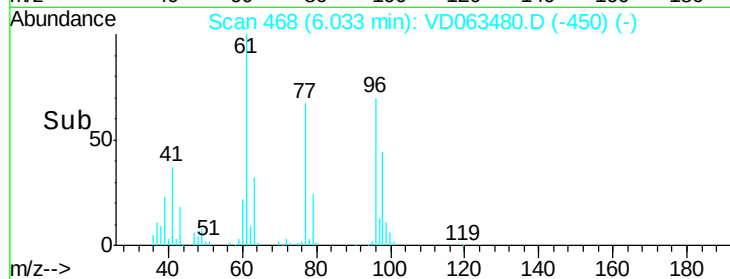
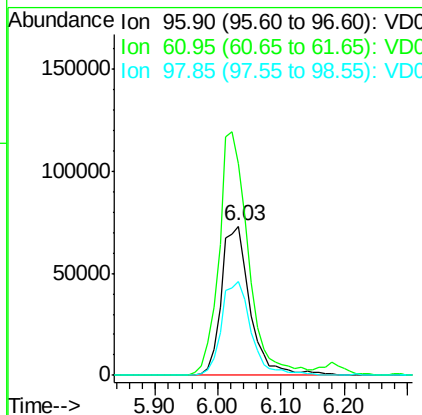
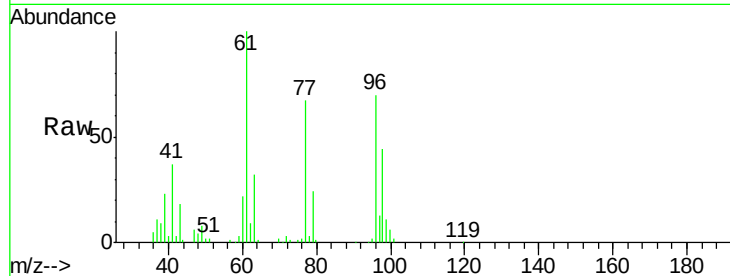


#27

cis-1,2-Dichloroethene
Concen: 20.181 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.02 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

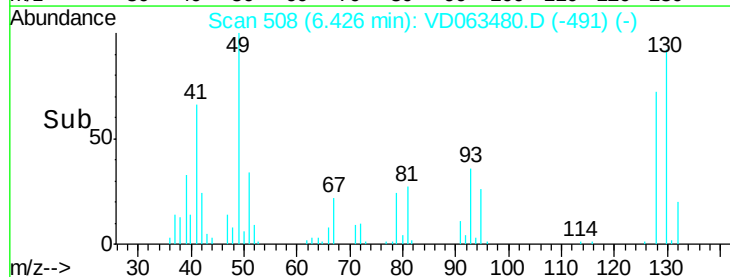
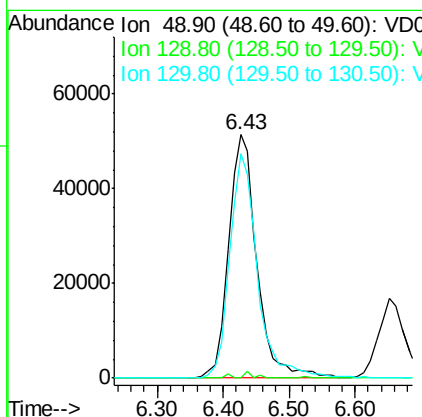
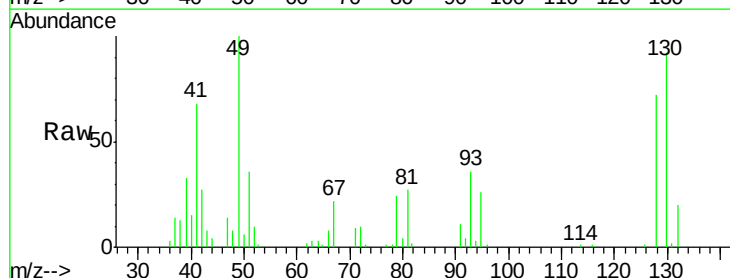
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	304.0
98	62.7	0.0	124.8

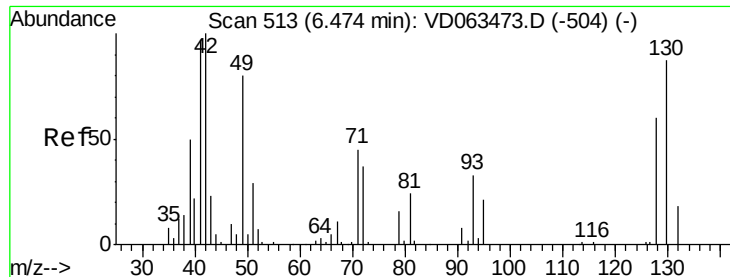


#28

Bromochloromethane
Concen: 19.859 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.03 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	92.1	72.4	108.6





#29

Tetrahydrofuran

Concen: 105.051 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.03 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

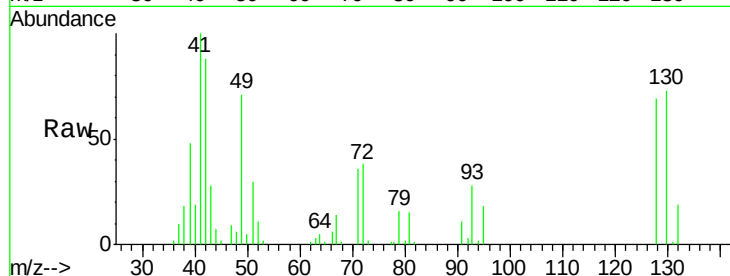
Tot Ion: 42 Resp: 129329

Ion Ratio Lower Upper

42 100

72 40.2 31.5 47.3

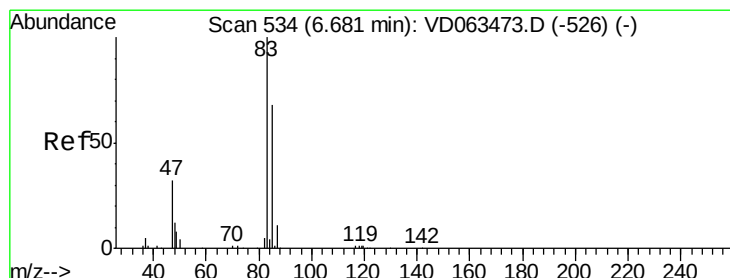
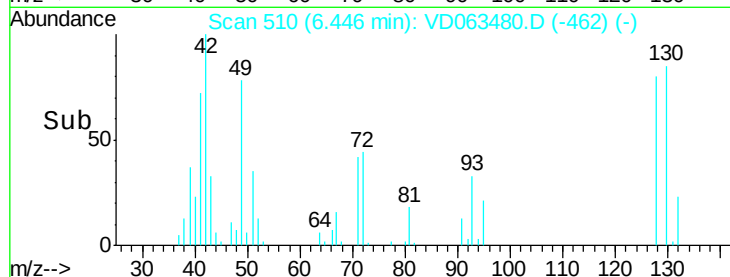
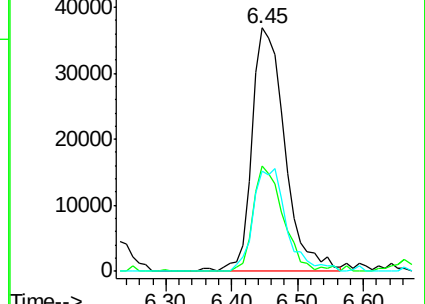
71 42.4 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 19.681 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.03 min

Lab File: VD063480.D

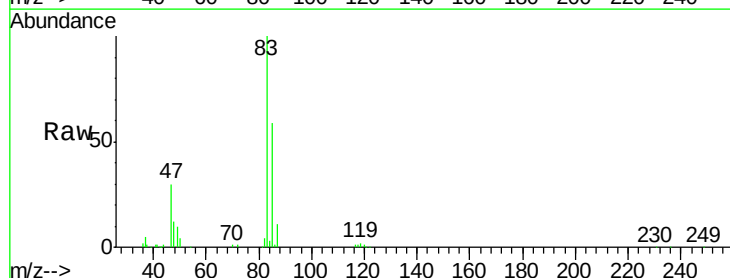
Acq: 12 Aug 2019 11:55

Tgt Ion: 83 Resp: 468203

Ion Ratio Lower Upper

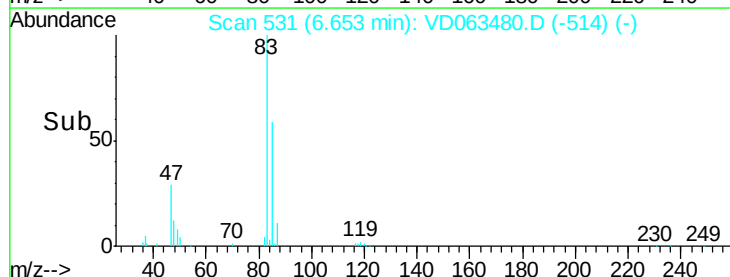
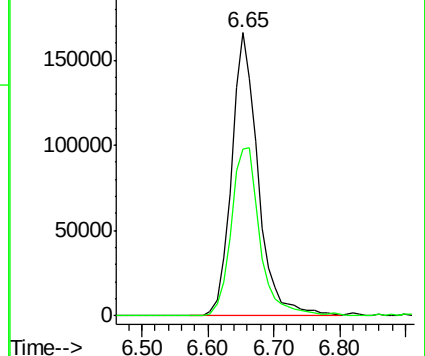
83 100

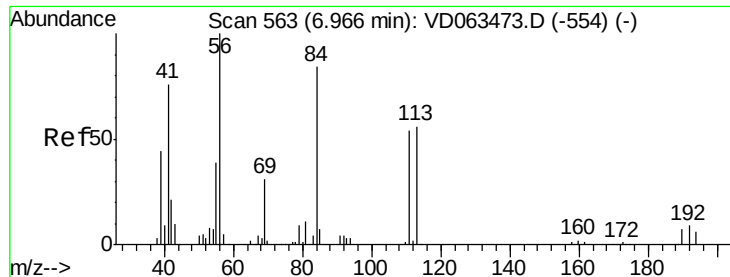
85 58.9 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

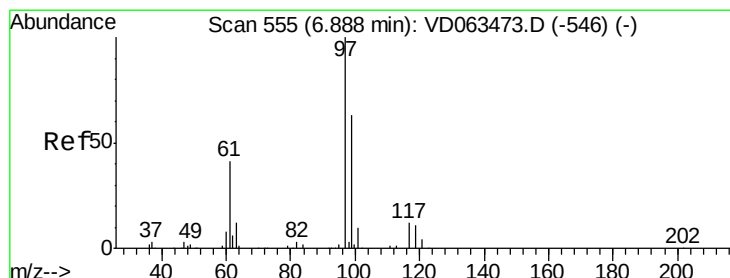
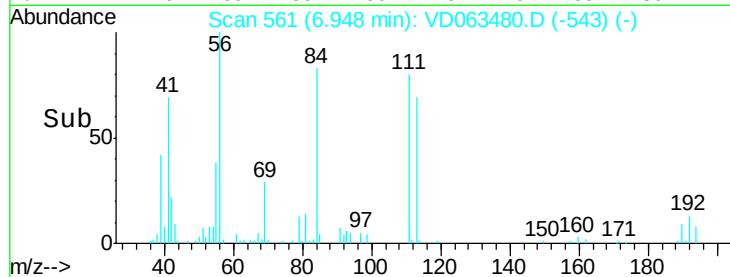
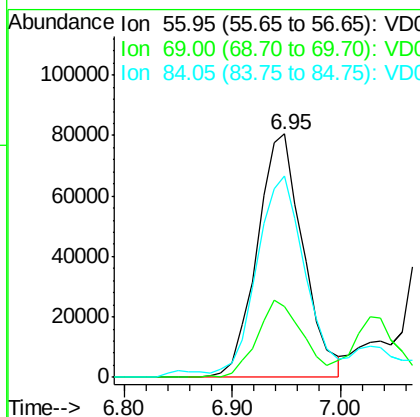
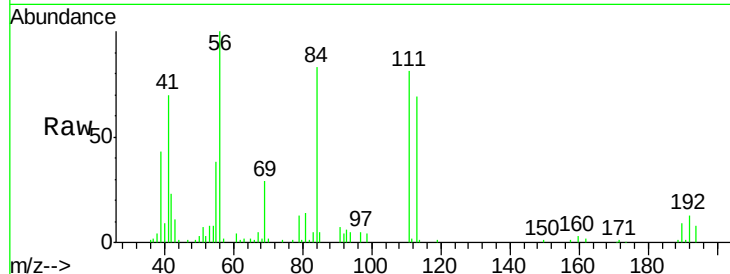




#31
Cyclohexane
Concen: 20.091 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.02 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

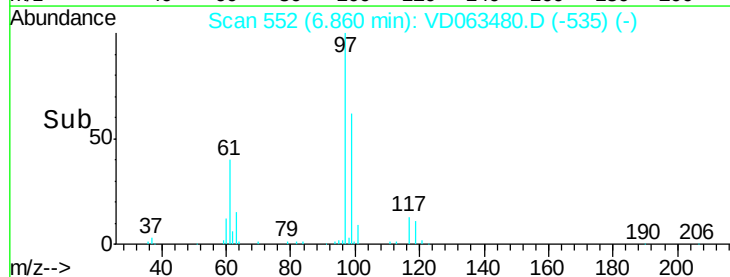
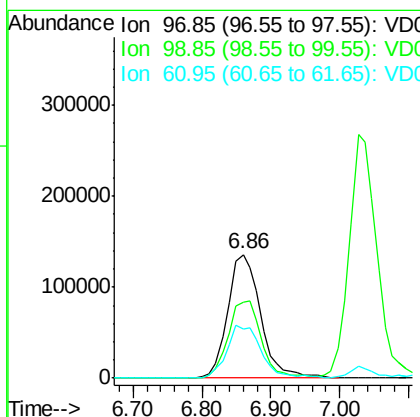
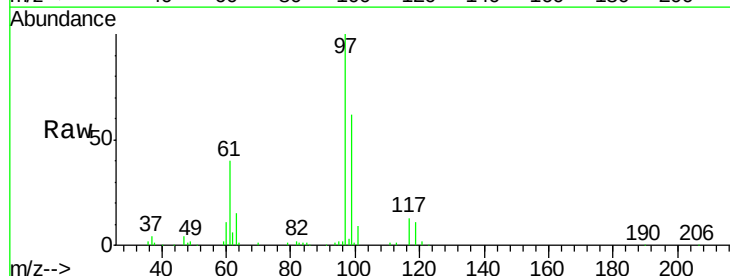
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

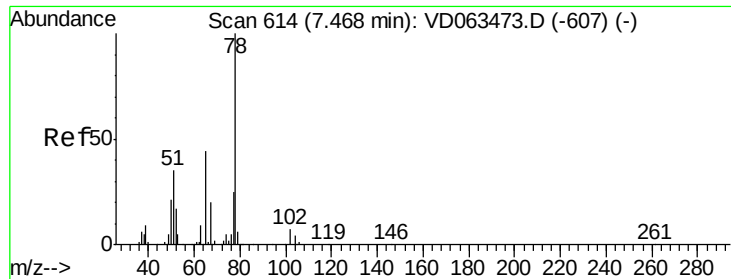
Tot Ion: 56 Resp: 238723
Ion Ratio Lower Upper
56 100
69 29.3 25.0 37.6
84 82.7 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 19.801 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.03 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Tgt Ion: 97 Resp: 450620
Ion Ratio Lower Upper
97 100
99 61.7 50.2 75.4
61 39.7 33.1 49.7

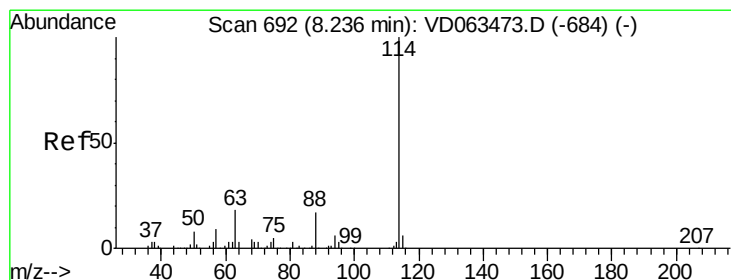
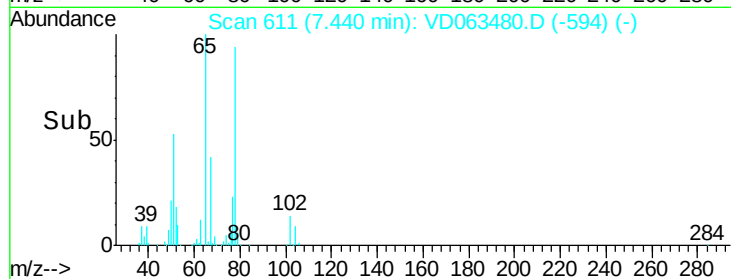
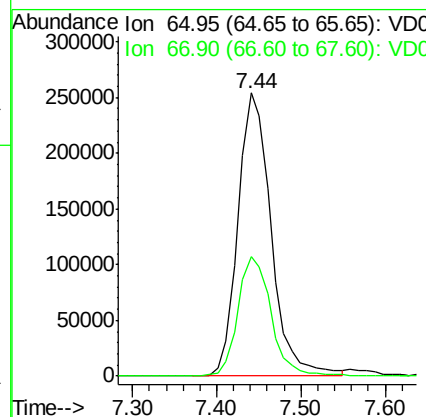
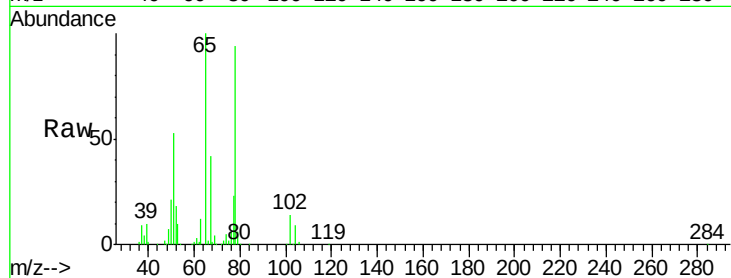




#33
 1,2-Dichloroethane-d4
 Concen: 53.035 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

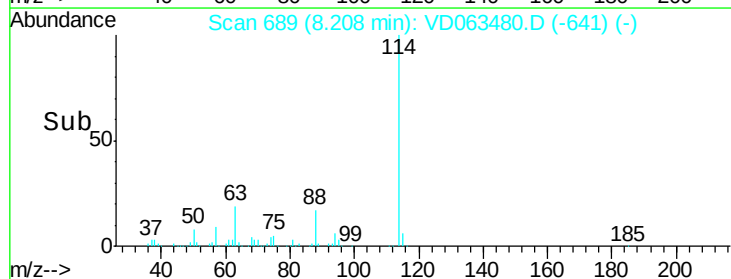
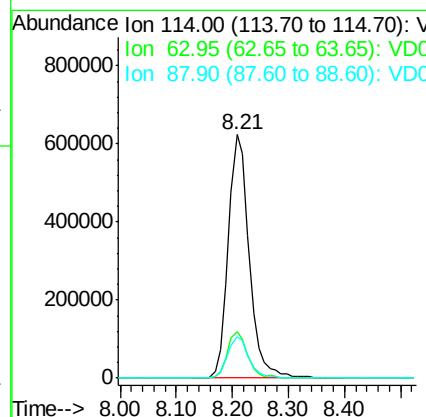
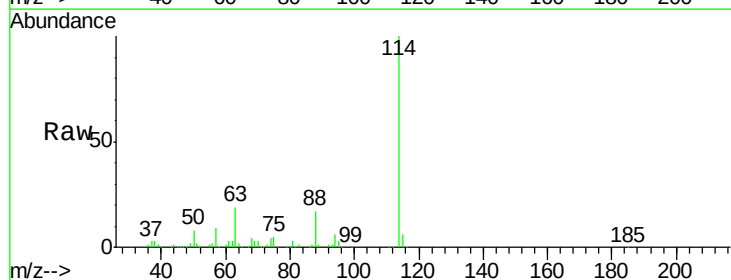
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

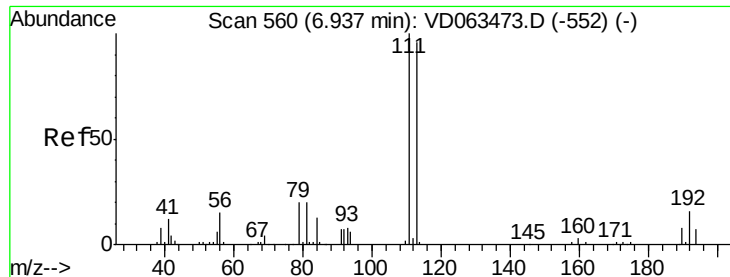
Tot Ion: 65 Resp: 697918
 Ion Ratio Lower Upper
 65 100
 67 42.2 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

Tgt Ion: 114 Resp: 1625668
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 36.2
 88 17.2 0.0 35.0





#35

Dibromofluoromethane

Concen: 53.353 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

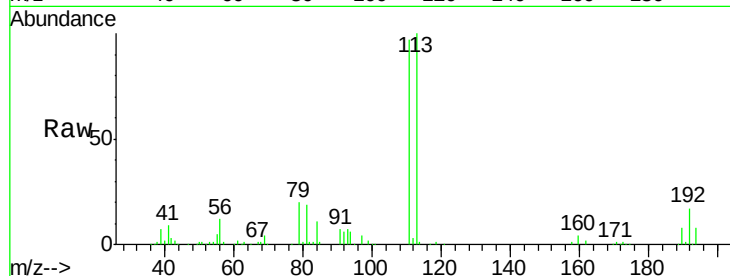
Tot Ion:113 Resp: 730482

Ion Ratio Lower Upper

113 100

111 97.4 83.1 124.7

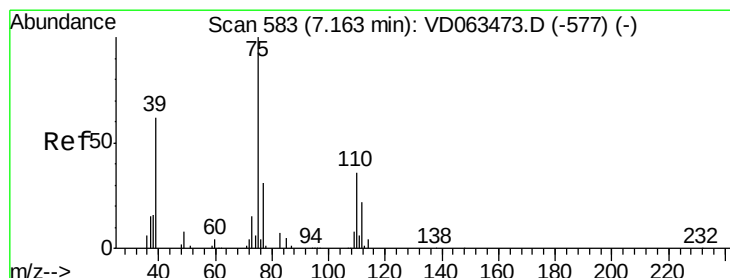
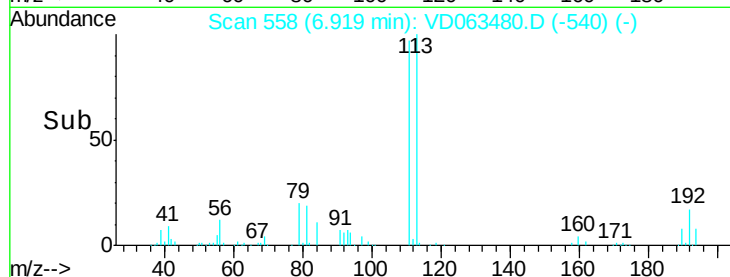
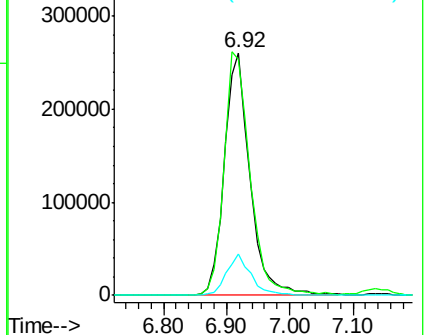
192 17.1 13.1 19.7



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: 21.599 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

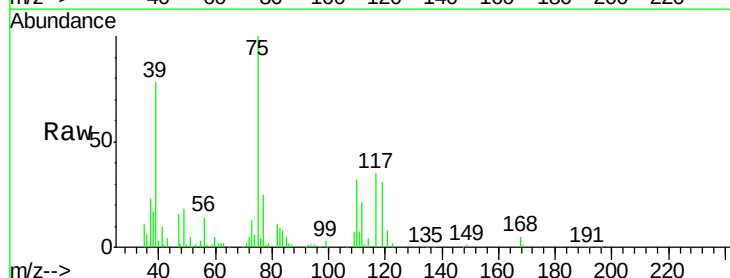
Tgt Ion: 75 Resp: 310403

Ion Ratio Lower Upper

75 100

110 32.2 17.6 52.8

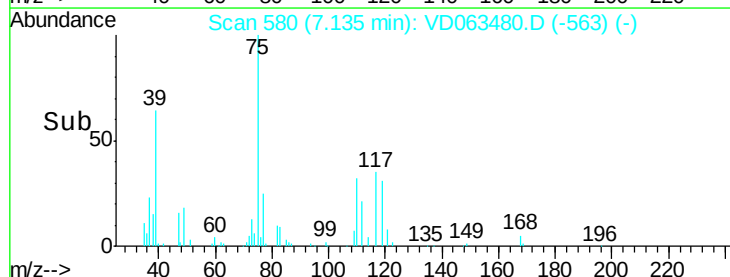
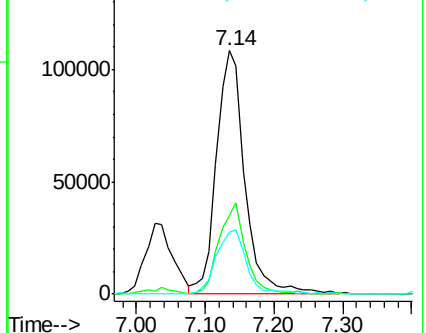
77 25.2 24.3 36.5

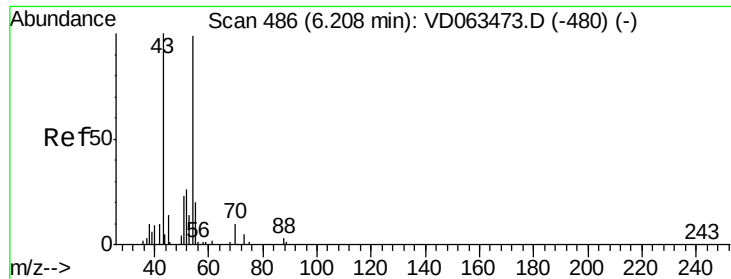


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

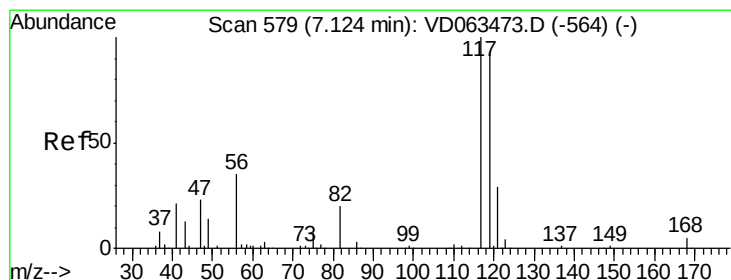
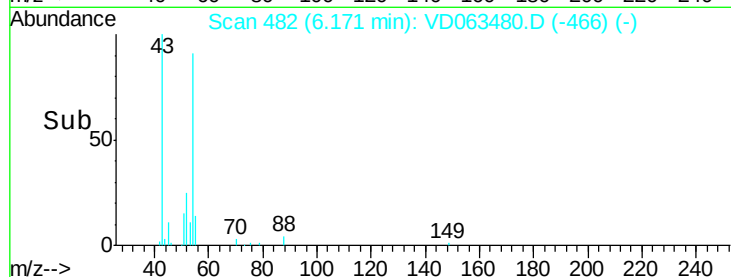
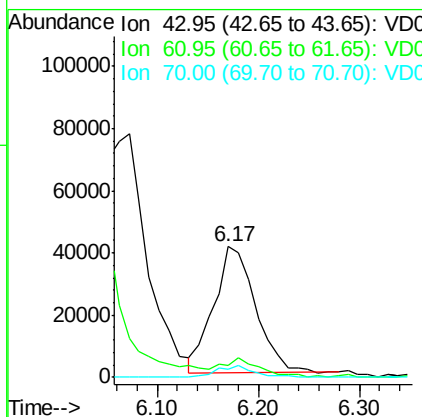
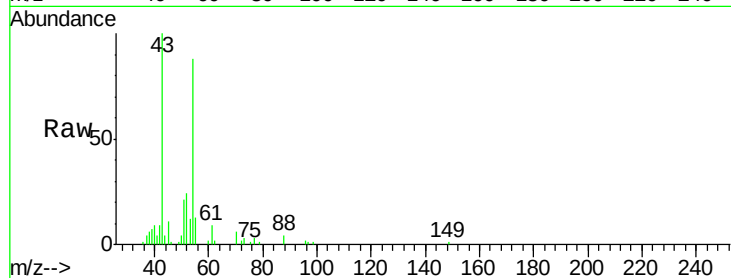




#37
Ethyl Acetate
Concen: 19.632 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.04 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

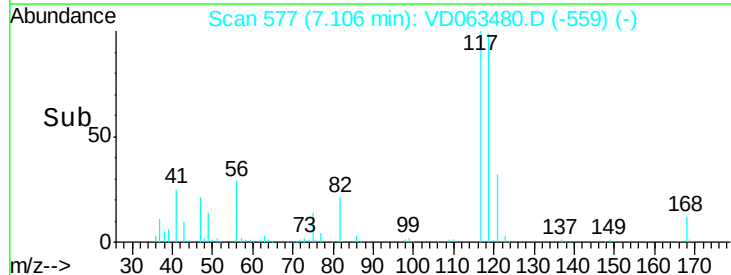
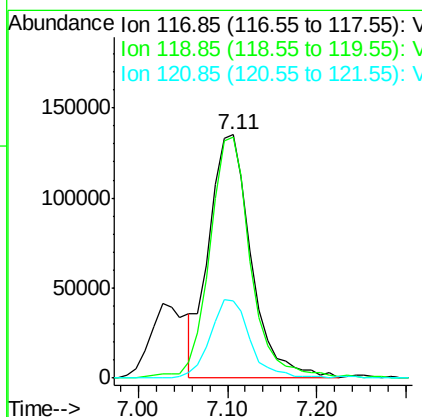
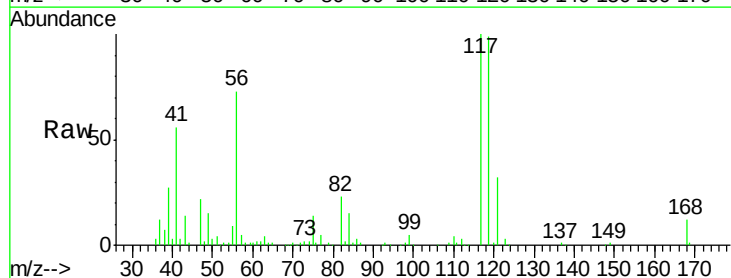
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

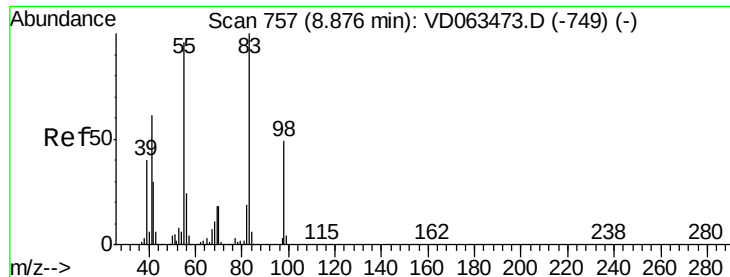
Tot Ion: 43 Resp: 118223
Ion Ratio Lower Upper
43 100
61 9.1 9.0 13.6
70 5.8 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 20.586 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Tgt Ion: 117 Resp: 445866
Ion Ratio Lower Upper
117 100
119 98.8 74.2 111.2
121 31.6 23.1 34.7

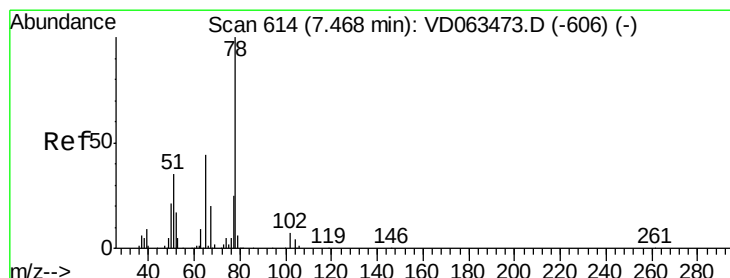
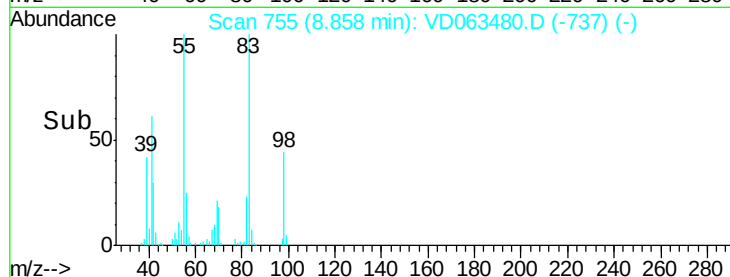
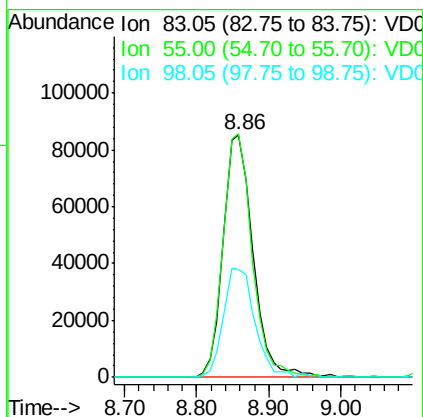
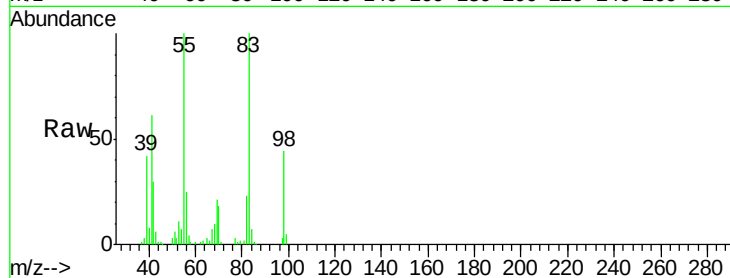




#39
Methylvlcyclohexane
Concen: 20.080 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

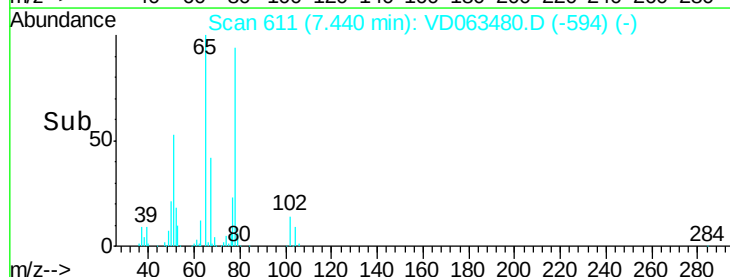
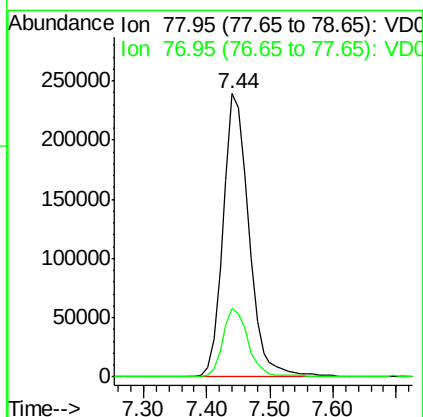
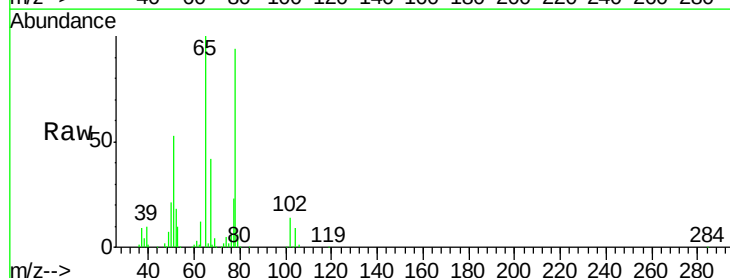
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

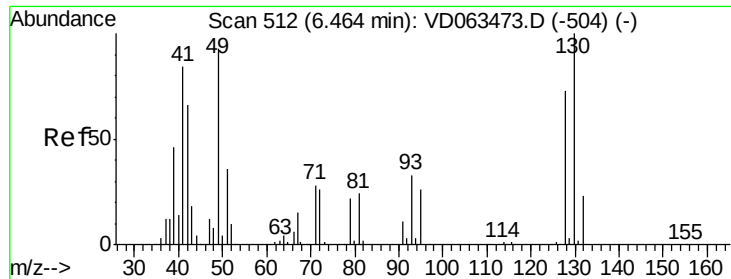
Tot Ion: 83 Resp: 245386
Ion Ratio Lower Upper
83 100
55 100.3 76.6 114.8
98 44.2 39.4 59.0



#40
Benzene
Concen: 21.566 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Tgt Ion: 78 Resp: 682053
Ion Ratio Lower Upper
78 100
77 24.1 20.1 30.1

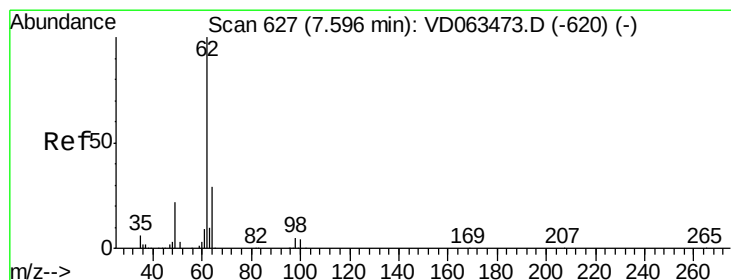
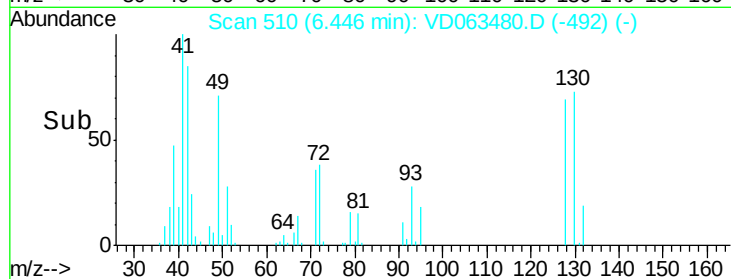
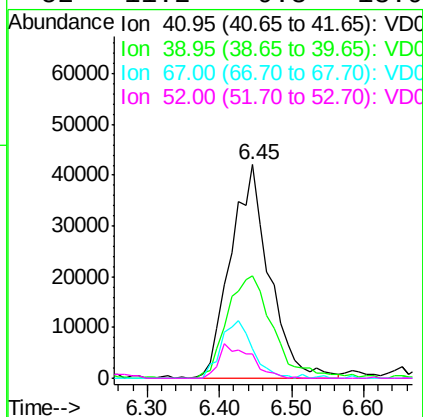
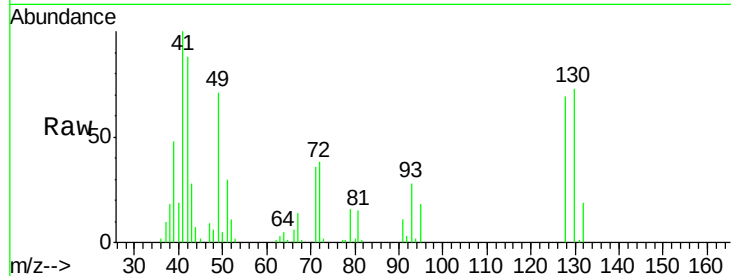




#41
Methacrylonitrile
Concen: 20.769 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.02 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

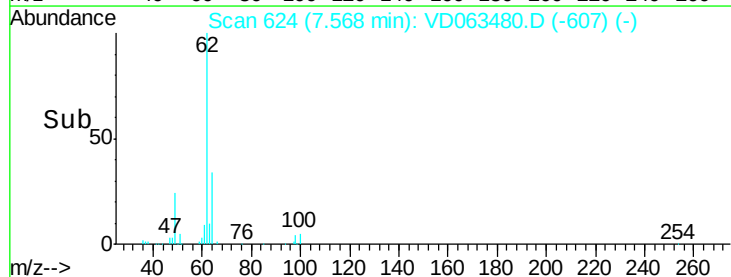
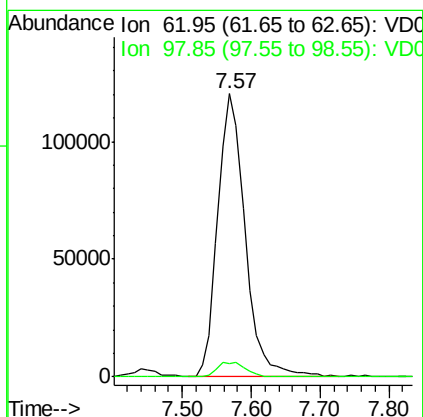
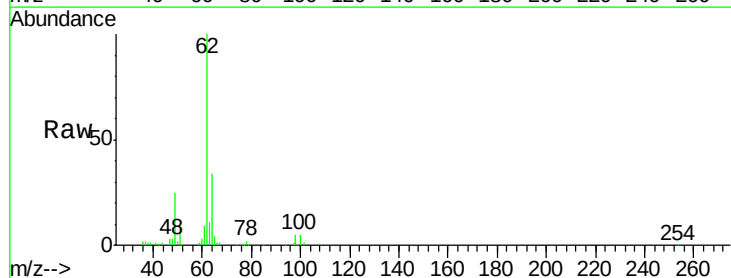
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

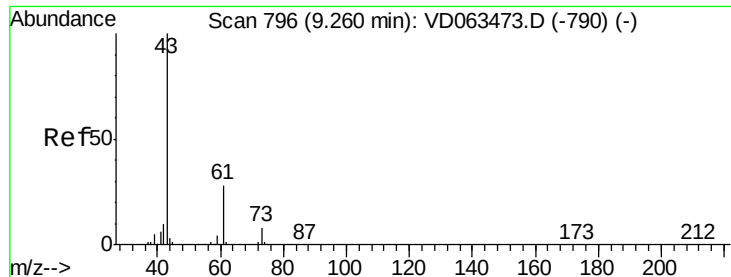
Tot Ion: 41 Resp: 157478
Ion Ratio Lower Upper
41 100
39 48.1 44.6 66.8
67 13.9 14.4 21.6#
52 11.2 9.3 13.9



#42
1,2-Dichloroethane
Concen: 20.948 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.03 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Tgt Ion: 62 Resp: 333117
Ion Ratio Lower Upper
62 100
98 4.6 0.0 10.4





#43

Isopropyl Acetate

Concen: 21.243 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

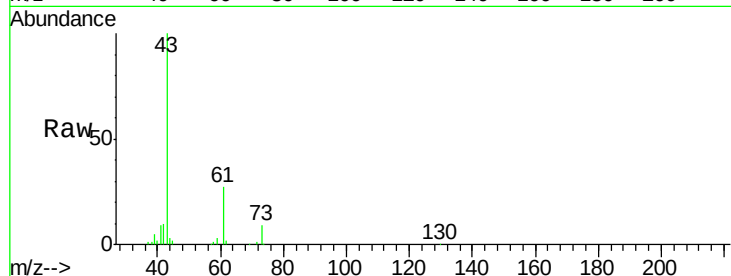
Tot Ion: 43 Resp: 171333

Ion Ratio Lower Upper

43 100

61 27.3 22.2 33.2

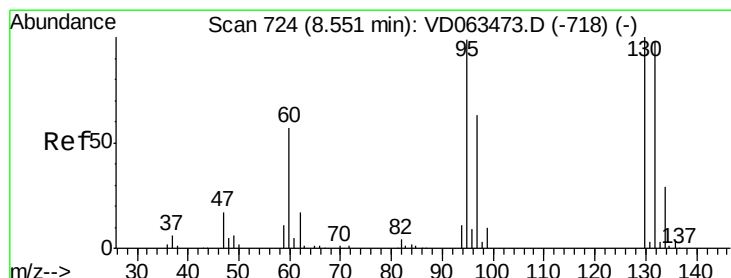
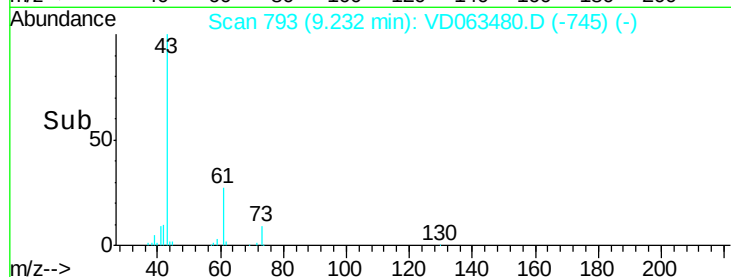
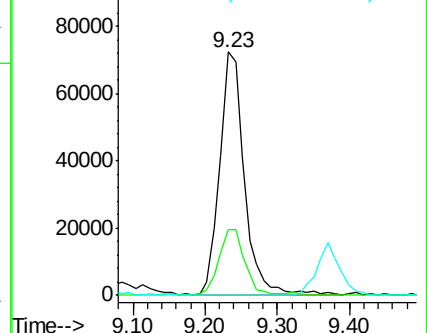
87 0.0 0.2 0.4#



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: 21.215 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD063480.D

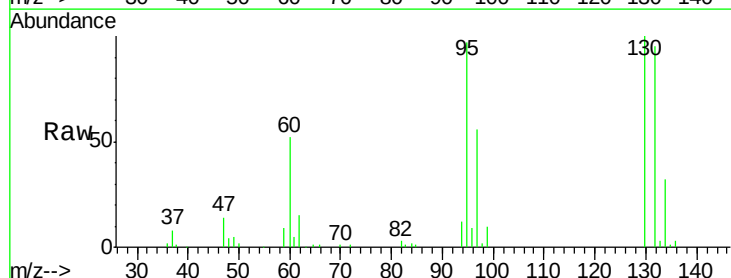
Acq: 12 Aug 2019 11:55

Tgt Ion: 130 Resp: 256448

Ion Ratio Lower Upper

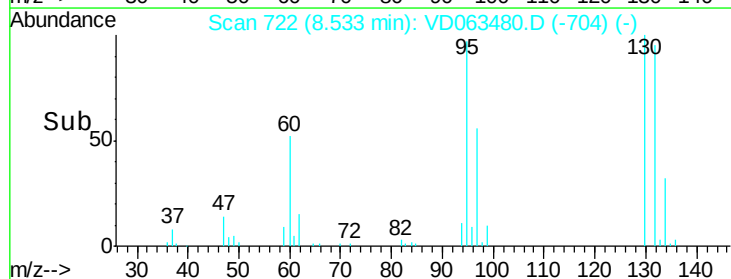
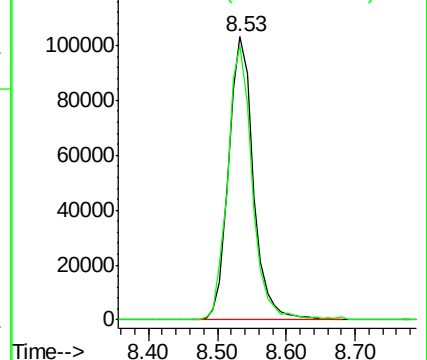
130 100

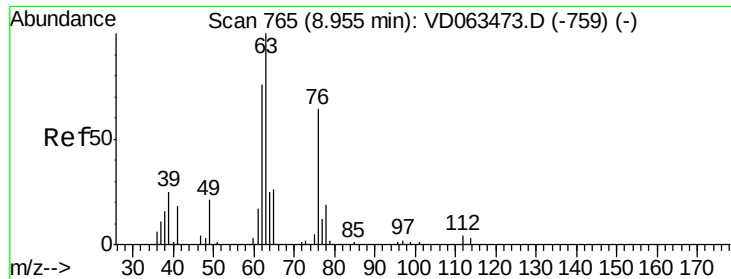
95 96.9 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.811 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.03 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

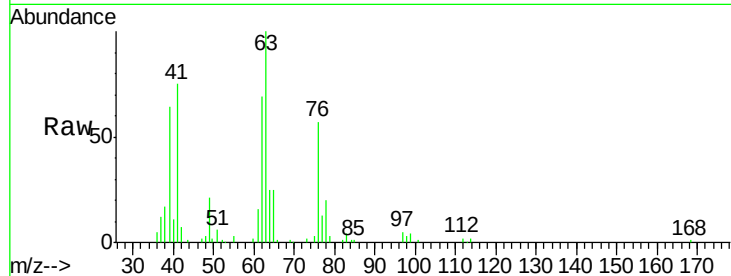
VD0812SBS01

Tot Ion: 63 Resp: 160636

Ion Ratio Lower Upper

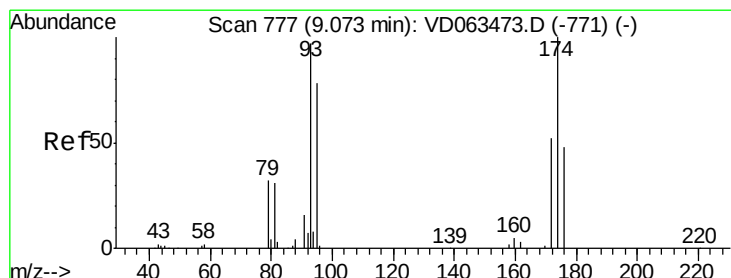
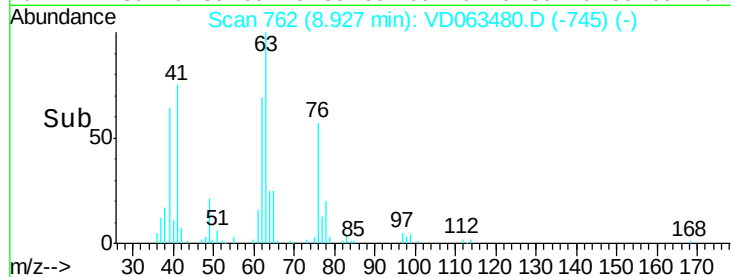
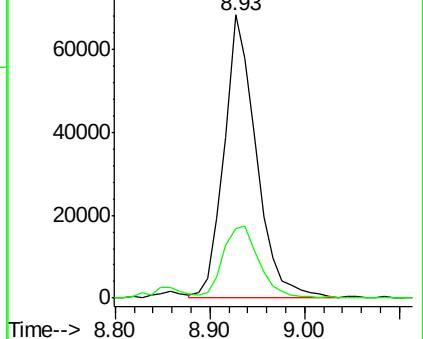
63 100

65 24.7 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.346 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

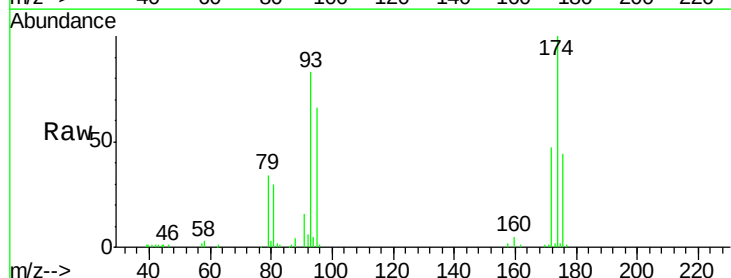
Tgt Ion: 93 Resp: 134254

Ion Ratio Lower Upper

93 100

95 79.1 64.2 96.2

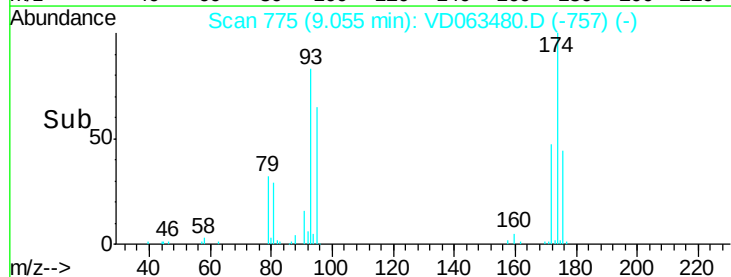
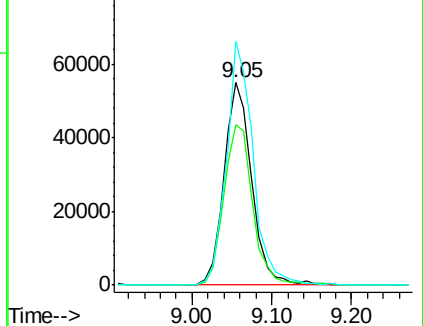
174 120.3 82.1 123.1

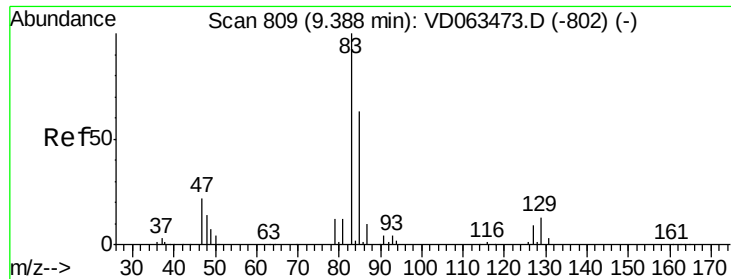


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.411 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

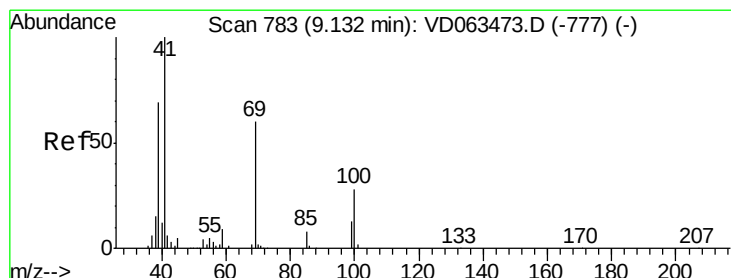
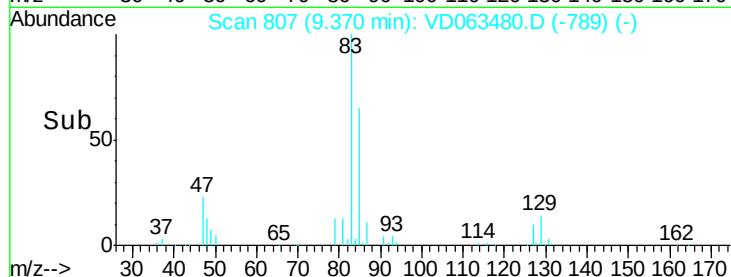
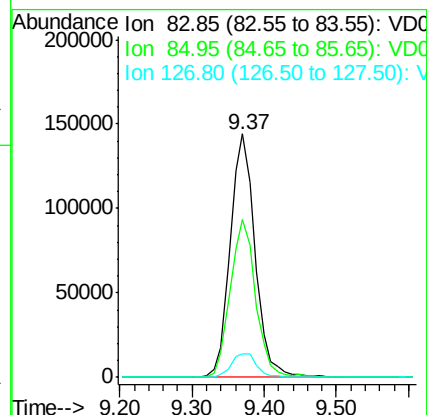
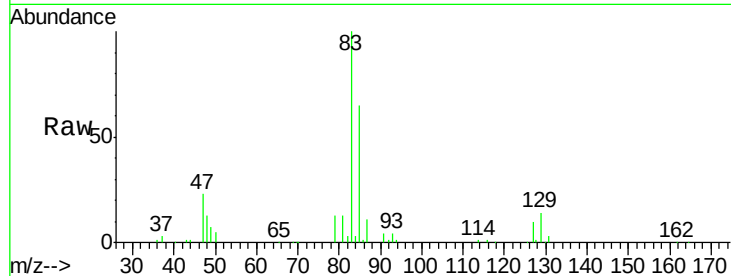
Tot Ion: 83 Resp: 345436

Ion Ratio Lower Upper

83 100

85 64.9 50.1 75.1

127 9.6 7.6 11.4



#48

Methyl methacrylate

Concen: 22.737 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

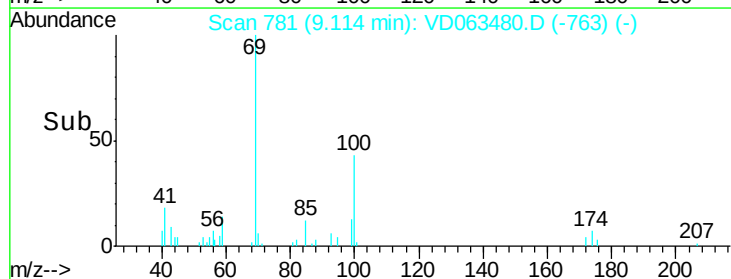
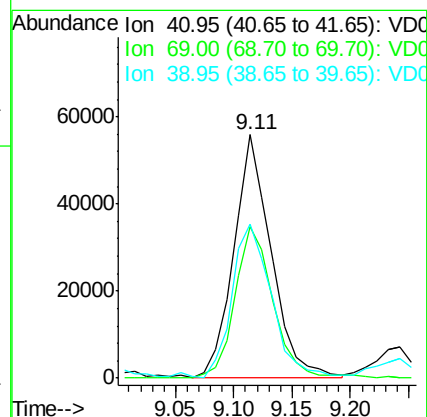
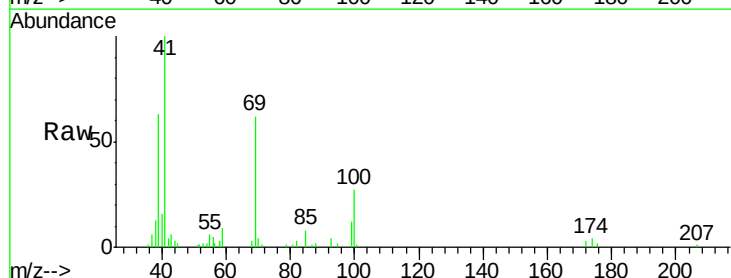
Tgt Ion: 41 Resp: 124365

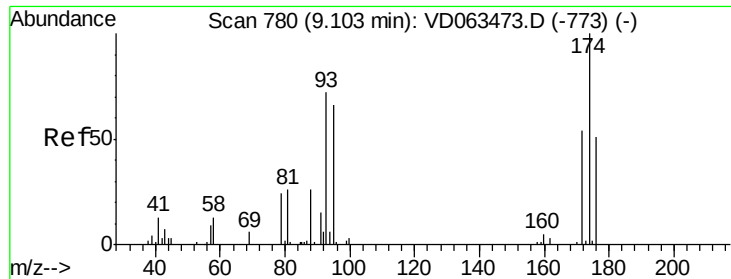
Ion Ratio Lower Upper

41 100

69 62.3 47.6 71.4

39 63.1 55.7 83.5





#49

1,4-Dioxane

Concen: 380.887 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.03 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

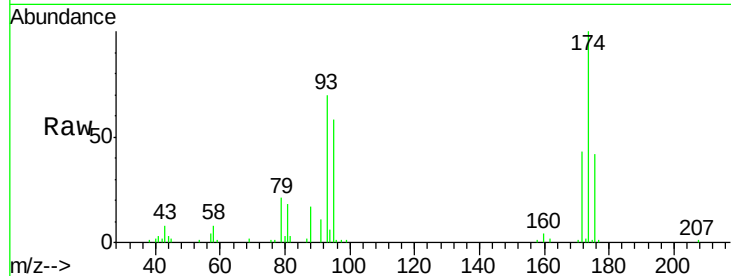
Tot Ion: 88 Resp: 17837

Ion Ratio Lower Upper

88 100

43 48.0 22.9 34.3#

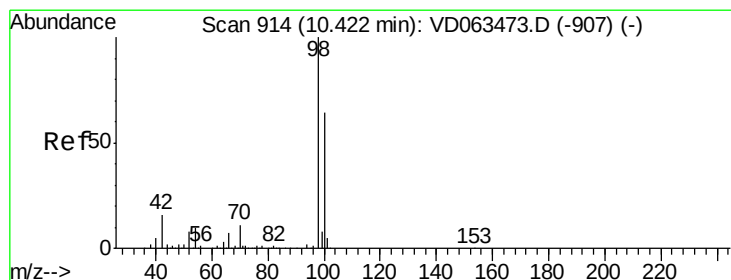
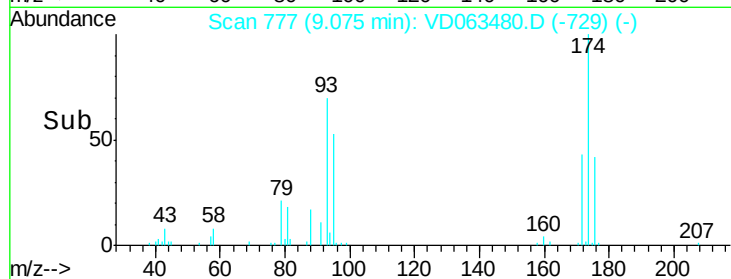
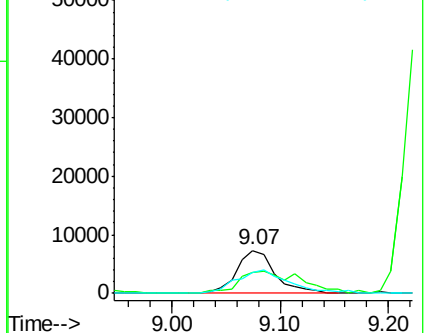
58 49.1 40.1 60.1



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: 56.111 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063480.D

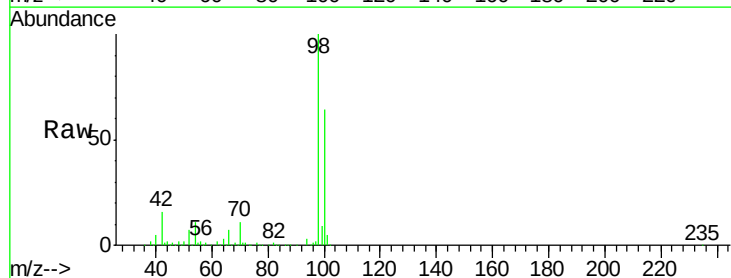
Acq: 12 Aug 2019 11:55

Tgt Ion: 98 Resp: 1689023

Ion Ratio Lower Upper

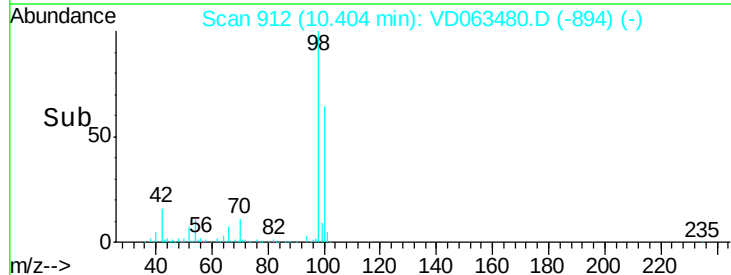
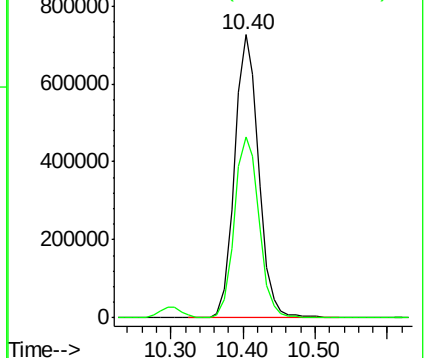
98 100

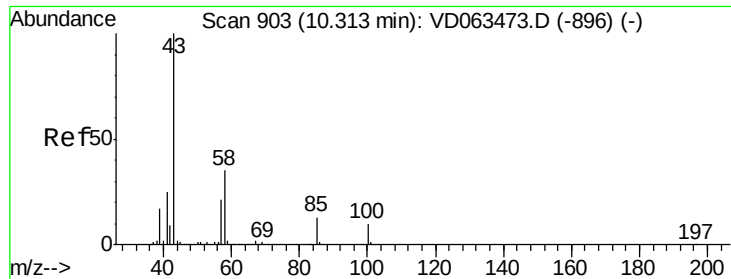
100 63.8 51.7 77.5



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: 106.079 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

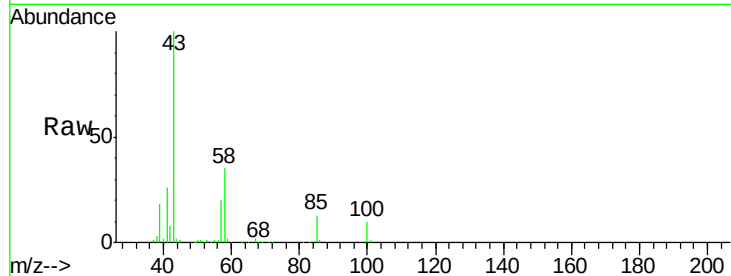
VD0812SBS01

Tot Ion: 43 Resp: 585440

Ion Ratio Lower Upper

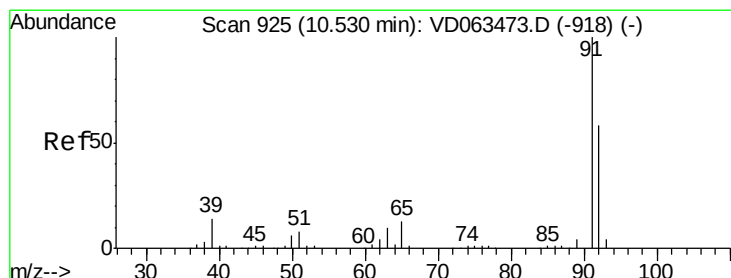
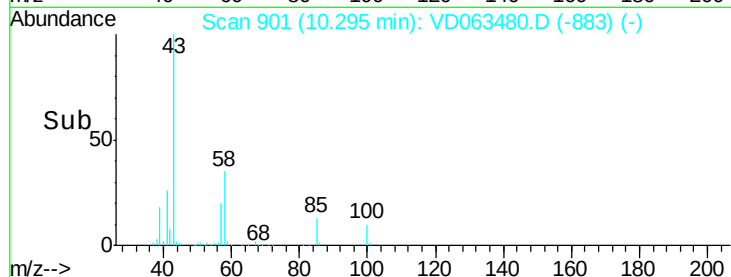
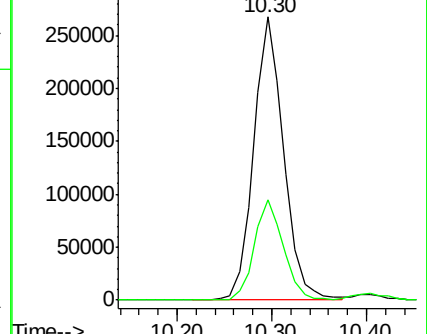
43 100

58 35.2 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: 20.760 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD063480.D

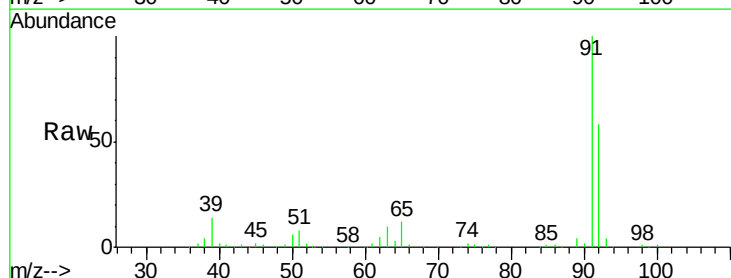
Acq: 12 Aug 2019 11:55

Tgt Ion: 92 Resp: 422885

Ion Ratio Lower Upper

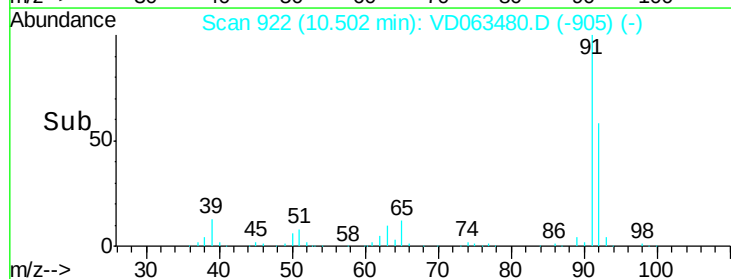
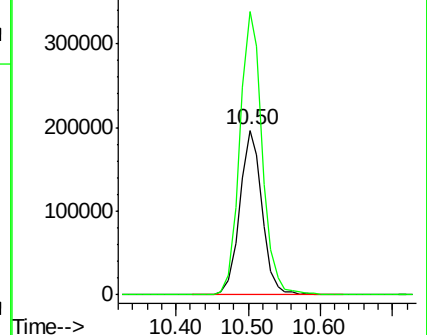
92 100

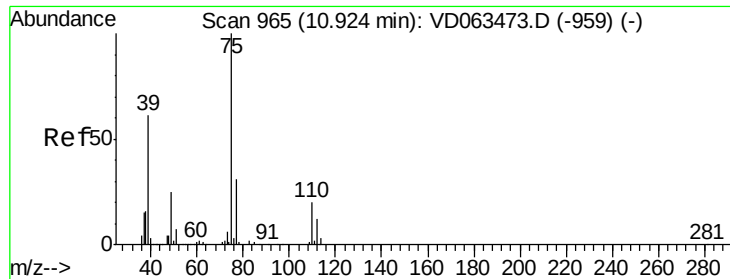
91 171.8 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

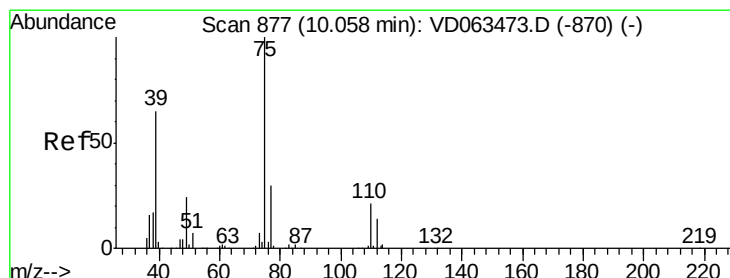
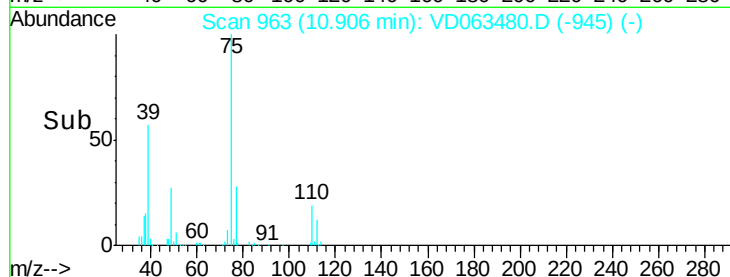
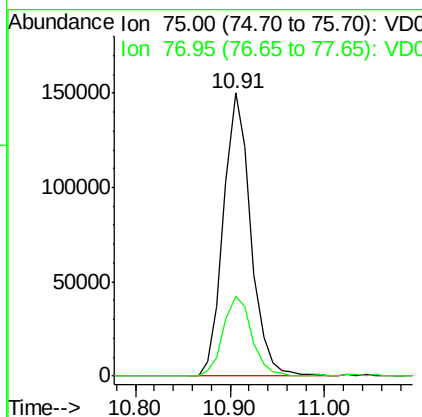
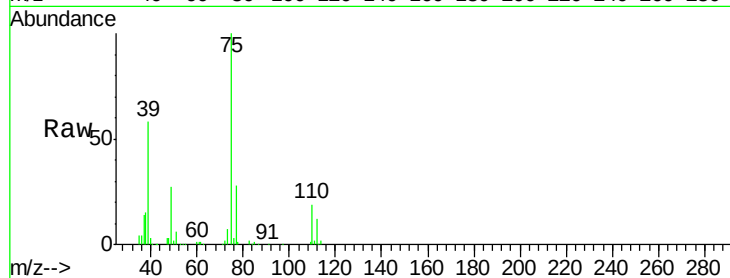




#53
 t-1,3-Dichloropropene
 Concen: 22.866 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.02 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

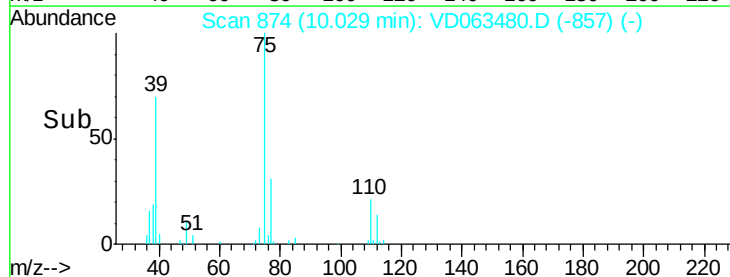
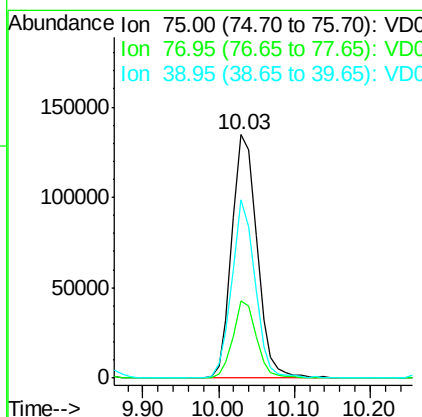
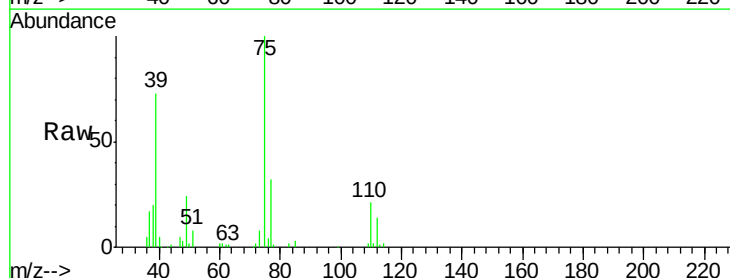
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

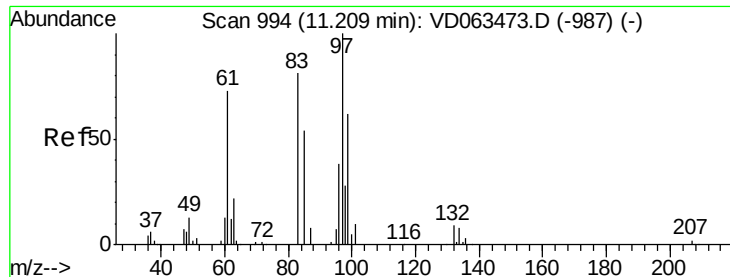
Tot Ion: 75 Resp: 301066
 Ion Ratio Lower Upper
 75 100
 77 28.4 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 20.947 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.03 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

Tgt Ion: 75 Resp: 310984
 Ion Ratio Lower Upper
 75 100
 77 31.5 23.7 35.5
 39 73.3 52.2 78.4

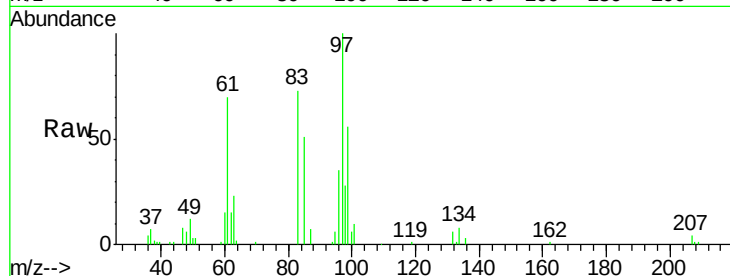




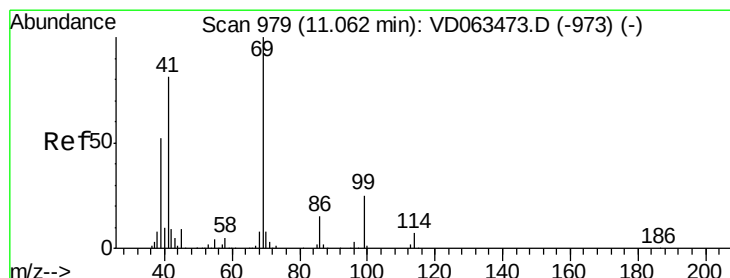
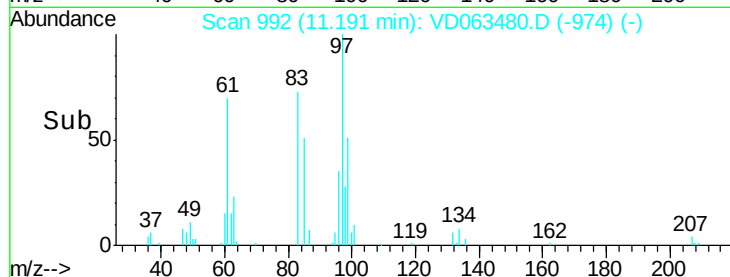
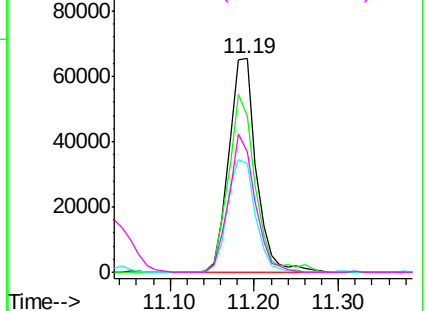
#55
1,1,2-Trichloroethane
Concen: 21.655 ug/l
RT: 11.19 min Scan# 992
Delta R.T. -0.02 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion:	97	Resp:	149007
Ion	Ratio	Lower	Upper
97	100		
83	73.4	64.7	97.1
85	51.2	42.9	64.3
99	56.5	49.7	74.5

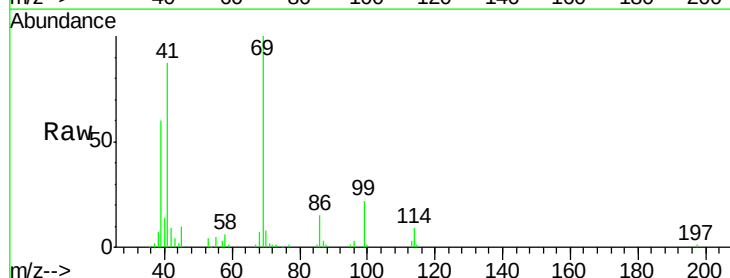


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

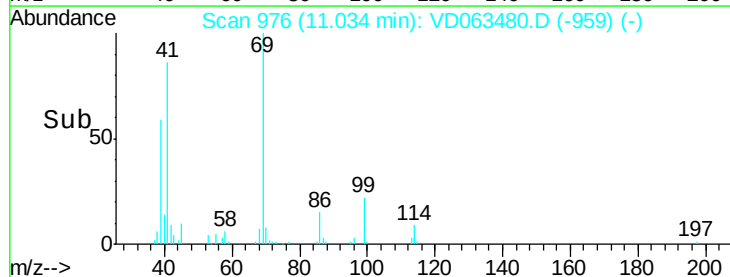
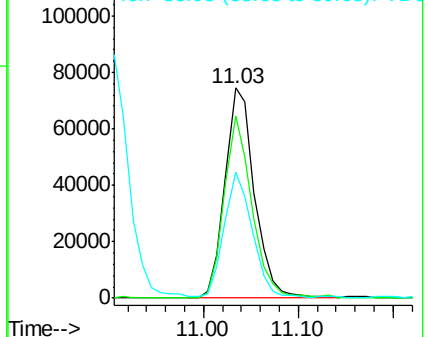


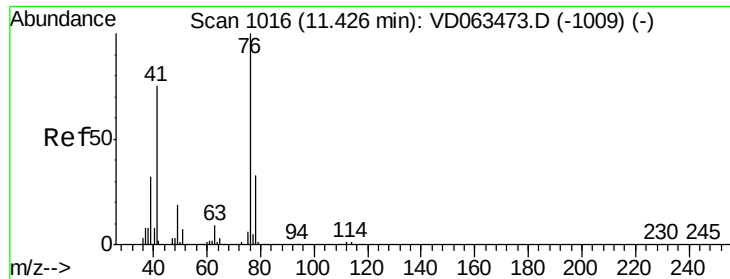
#56
Ethyl methacrylate
Concen: 21.570 ug/l
RT: 11.03 min Scan# 976
Delta R.T. -0.03 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Tgt Ion:	69	Resp:	161093
Ion	Ratio	Lower	Upper
69	100		
41	86.8	64.8	97.2
39	60.0	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: 21.109 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.03 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

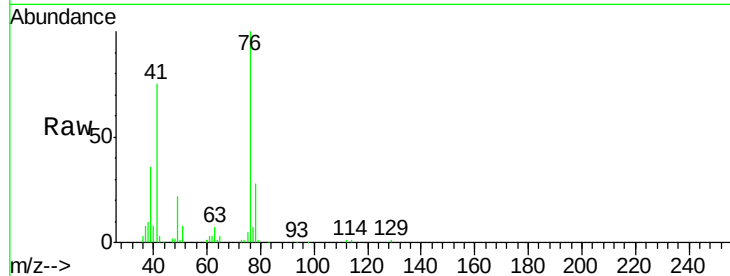
VD0812SBS01

Tot Ion: 76 Resp: 219553

Ion Ratio Lower Upper

76 100

78 28.3 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

120000

100000

80000

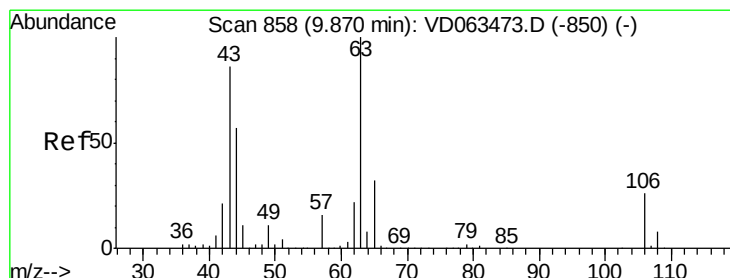
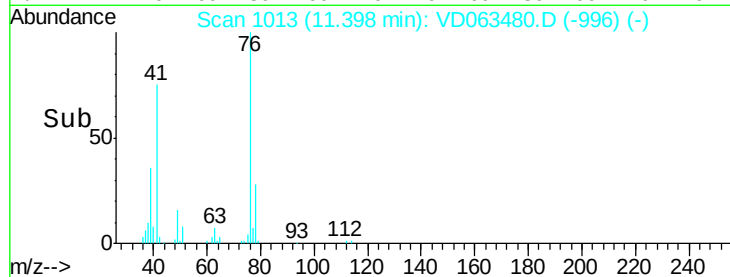
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 104.328 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063480.D

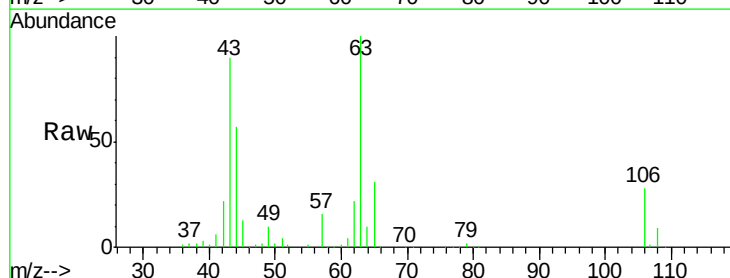
Acq: 12 Aug 2019 11:55

Tgt Ion: 63 Resp: 411354

Ion Ratio Lower Upper

63 100

106 28.2 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

200000

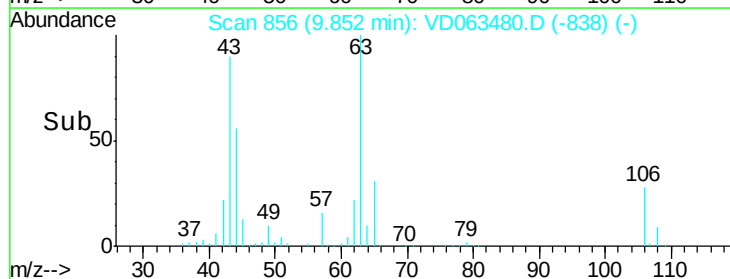
150000

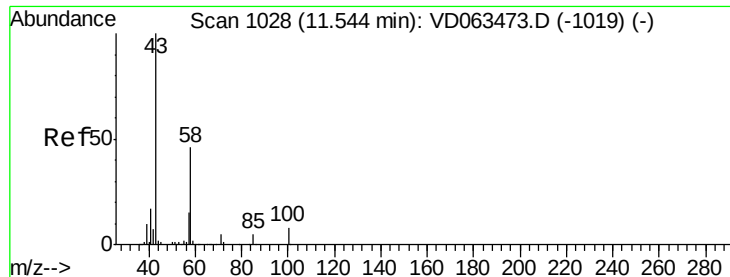
100000

50000

0

Time-->

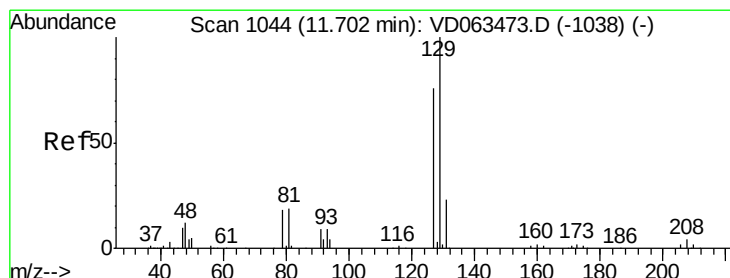
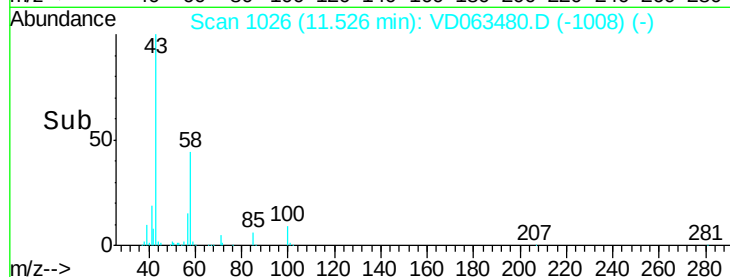
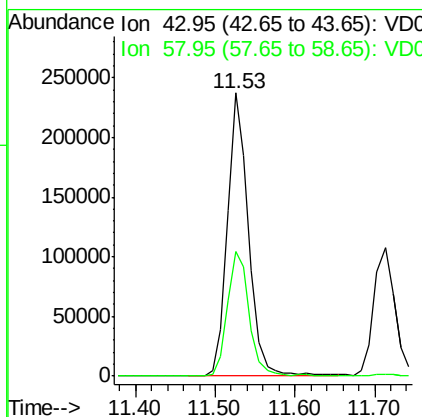
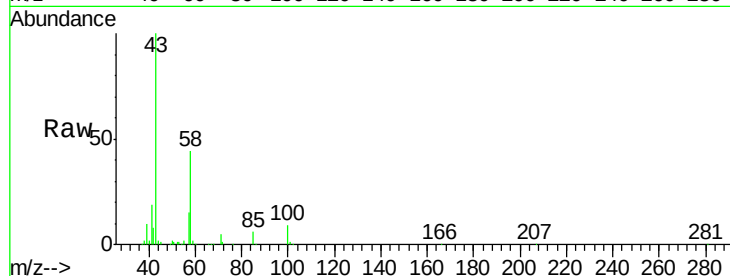




#59
2-Hexanone
Concen: 109.806 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

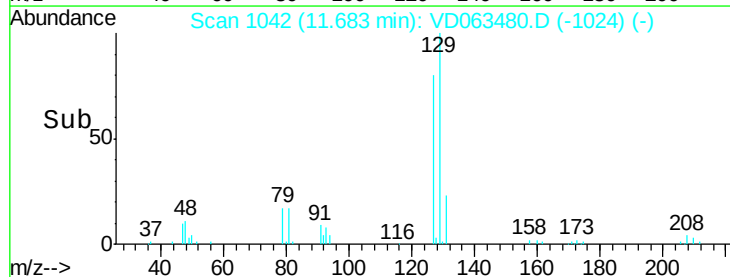
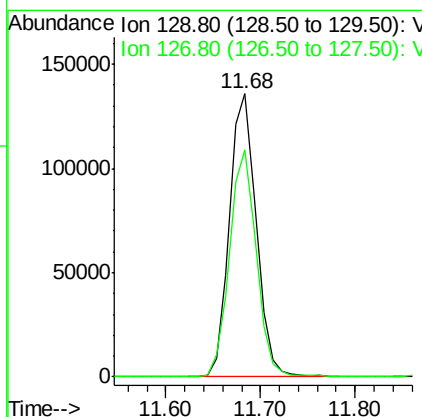
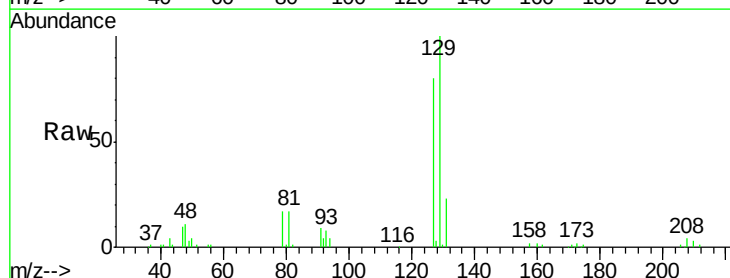
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

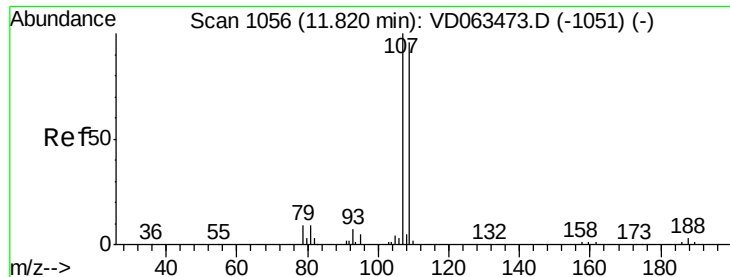
Tot Ion: 43 Resp: 440951
Ion Ratio Lower Upper
43 100
58 43.9 23.1 69.2



#60
Dibromochloromethane
Concen: 21.269 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Tgt Ion: 129 Resp: 266306
Ion Ratio Lower Upper
129 100
127 80.3 37.8 113.4

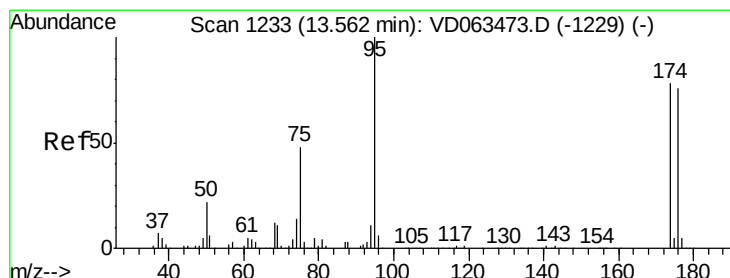
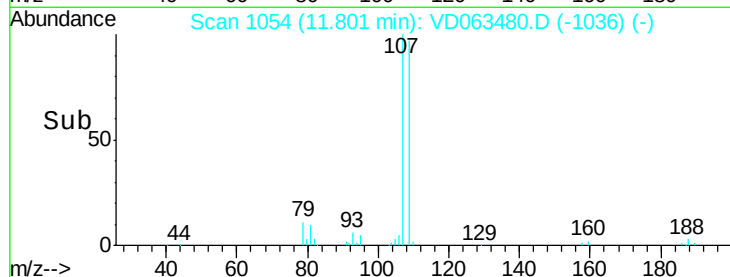
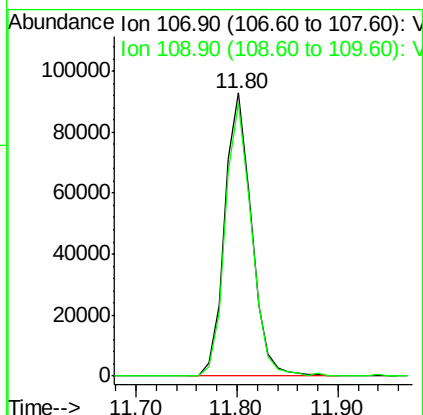
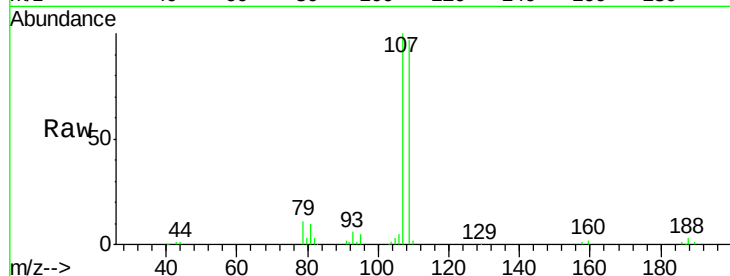




#61
 1,2-Dibromoethane
 Concen: 20.535 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

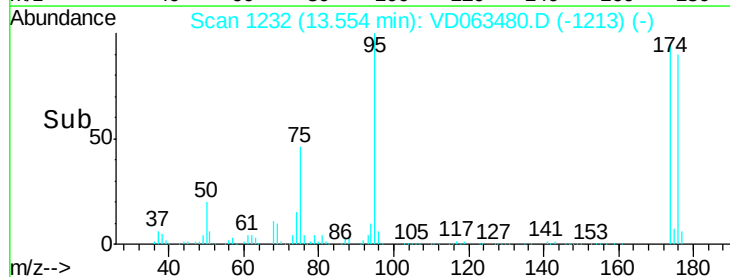
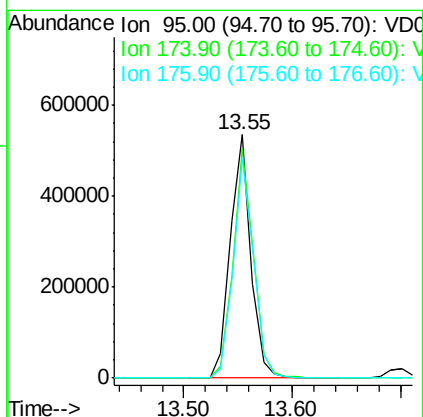
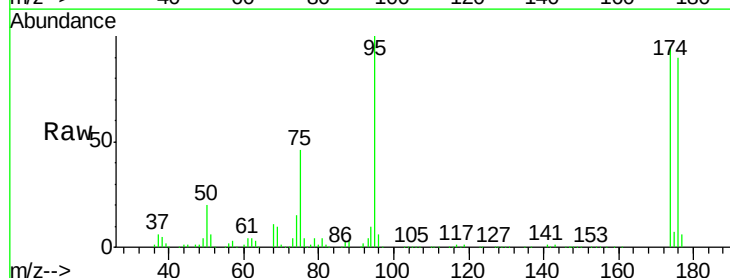
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

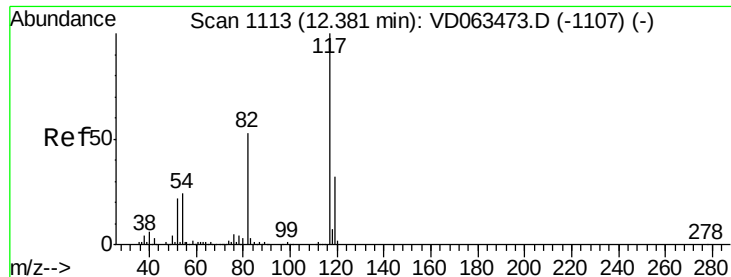
Tot Ion: 107 Resp: 171058
 Ion Ratio Lower Upper
 107 100
 109 96.7 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 51.757 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

Tgt Ion: 95 Resp: 706135
 Ion Ratio Lower Upper
 95 100
 174 94.5 0.0 155.4
 176 90.4 0.0 152.4

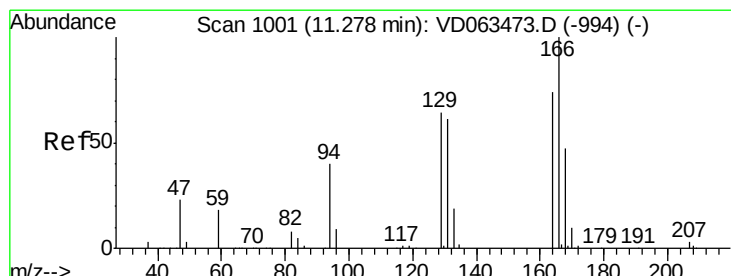
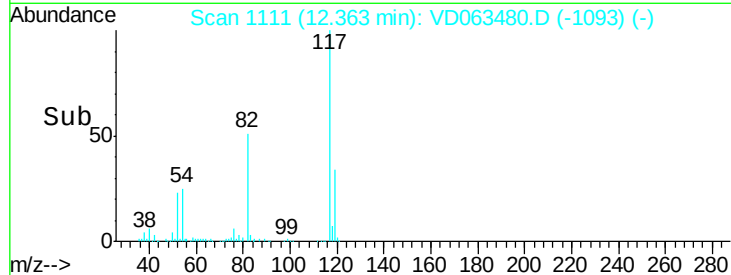
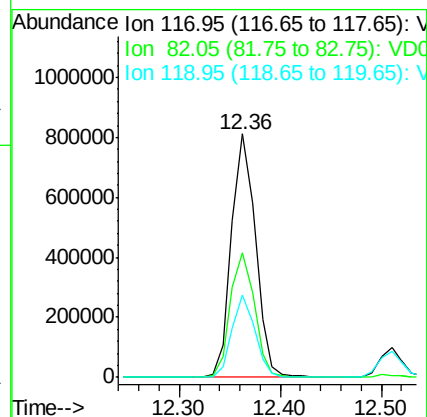
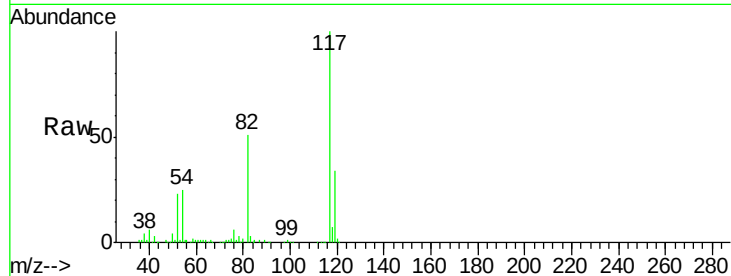




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

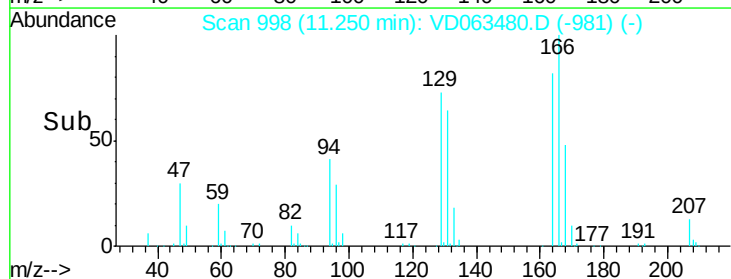
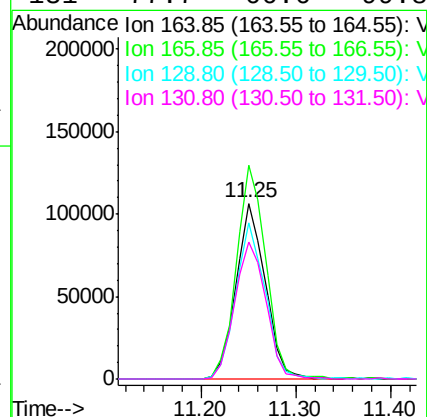
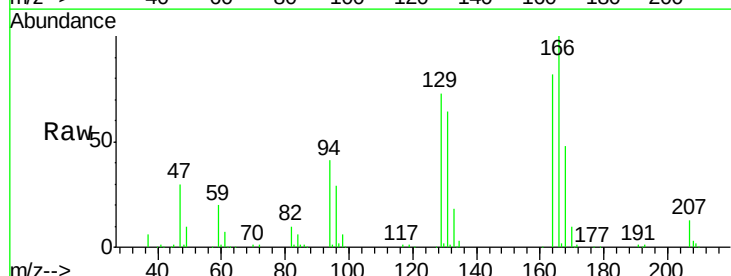
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

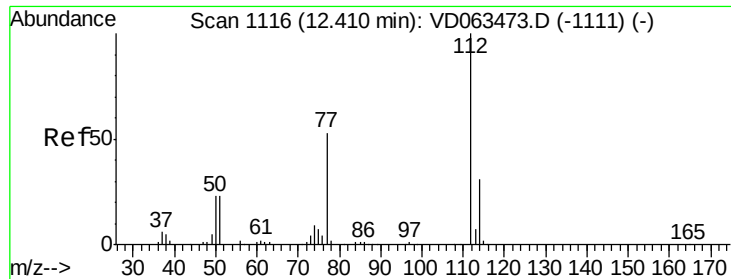
Tot Ion:117 Resp: 1353145
Ion Ratio Lower Upper
117 100
82 51.1 42.0 63.0
119 33.6 25.4 38.0



#64
Tetrachloroethene
Concen: 21.915 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Tgt Ion:164 Resp: 228922
Ion Ratio Lower Upper
164 100
166 121.4 108.6 163.0
129 88.9 69.0 103.6
131 77.7 66.6 99.8

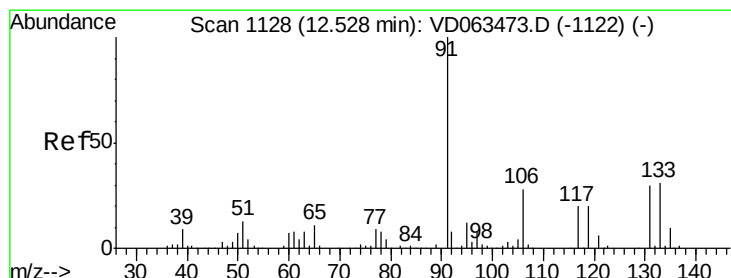
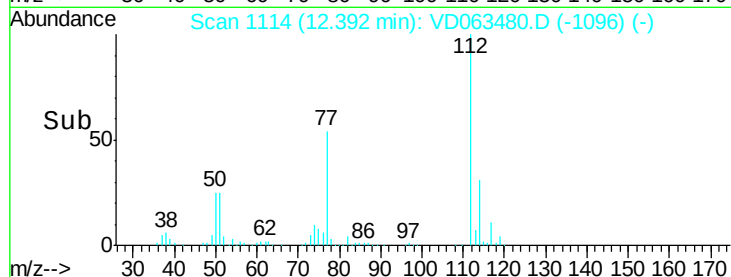
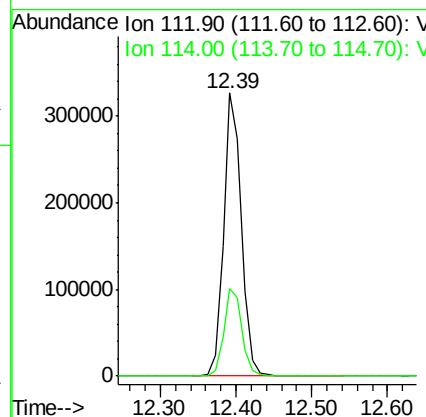
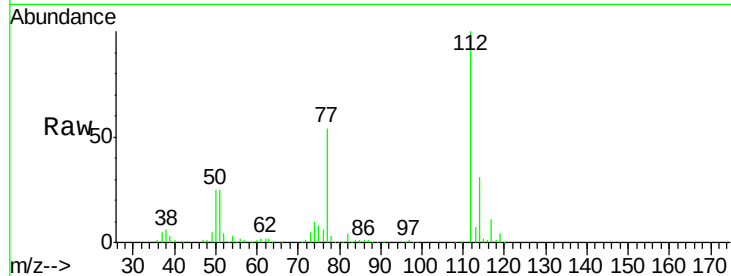




#65
Chlorobenzene
Concen: 21.034 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

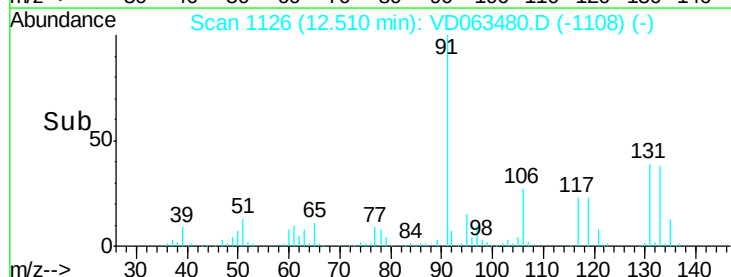
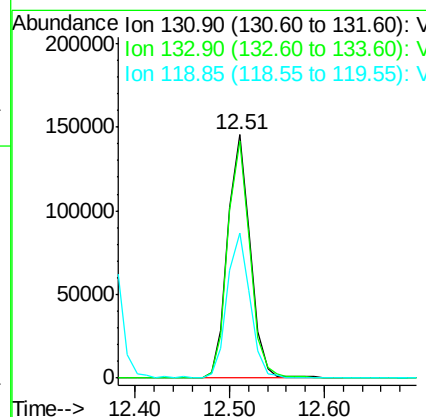
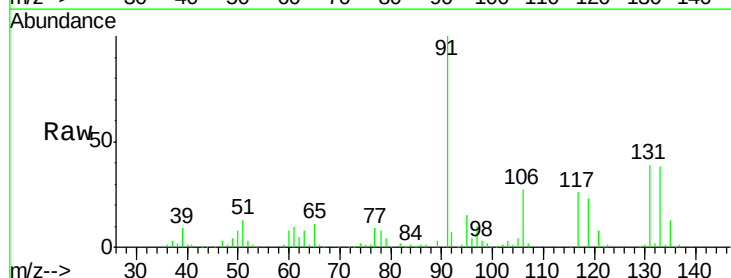
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

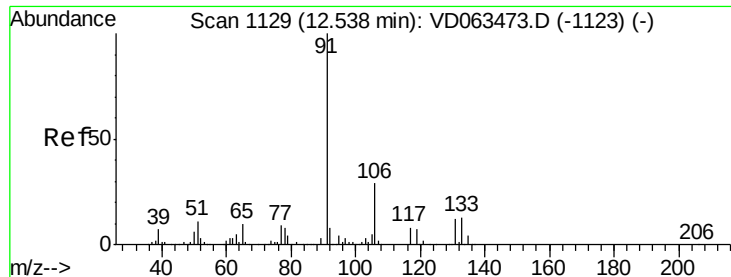
Tot Ion:112 Resp: 533452
Ion Ratio Lower Upper
112 100
114 31.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.575 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Tgt Ion:131 Resp: 240804
Ion Ratio Lower Upper
131 100
133 97.4 51.1 153.3
119 59.7 33.1 99.3

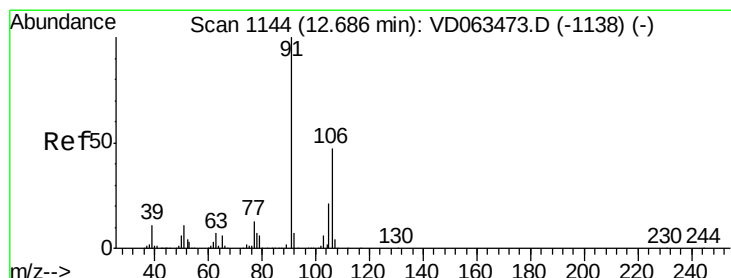
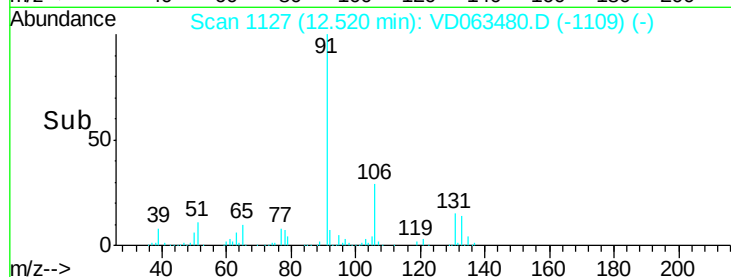
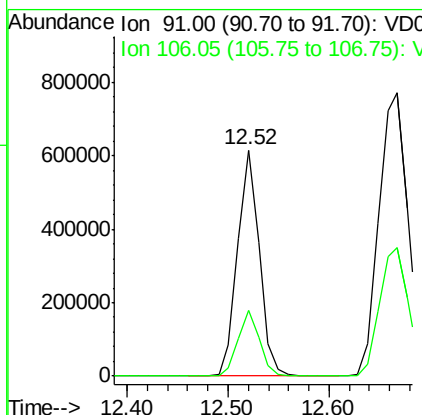
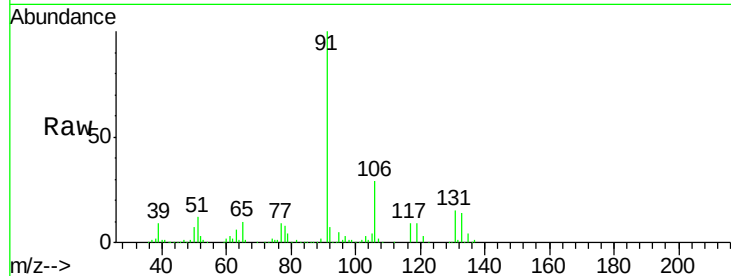




#67
Ethyl Benzene
Concen: 20.995 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

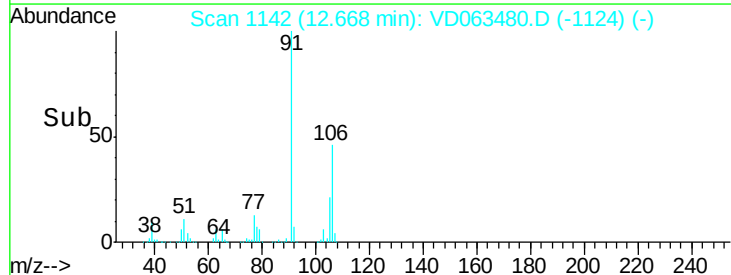
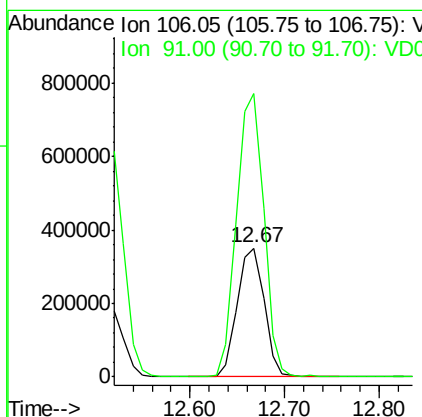
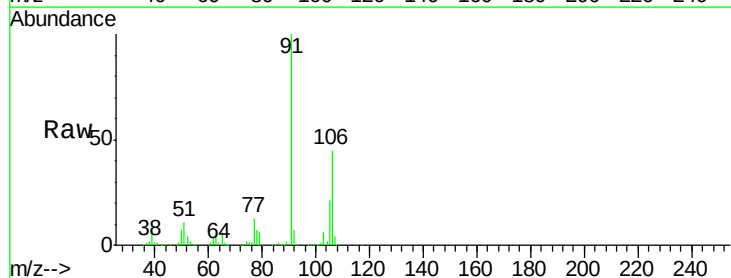
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

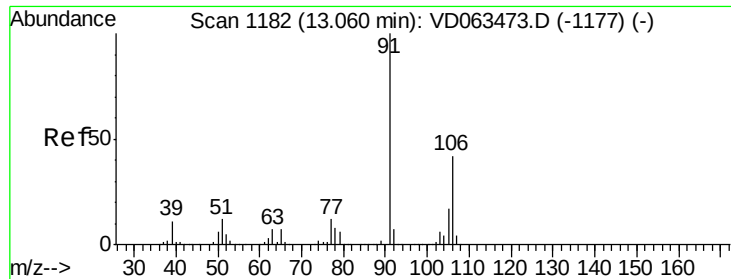
Tot Ion: 91 Resp: 925808
Ion Ratio Lower Upper
91 100
106 29.1 23.1 34.7



#68
m/p-Xylenes
Concen: 44.995 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Tgt Ion: 106 Resp: 697095
Ion Ratio Lower Upper
106 100
91 220.0 171.8 257.8

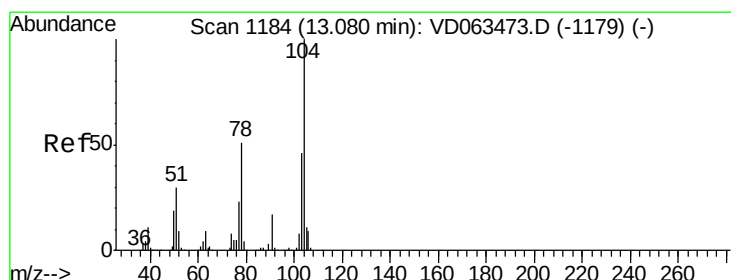
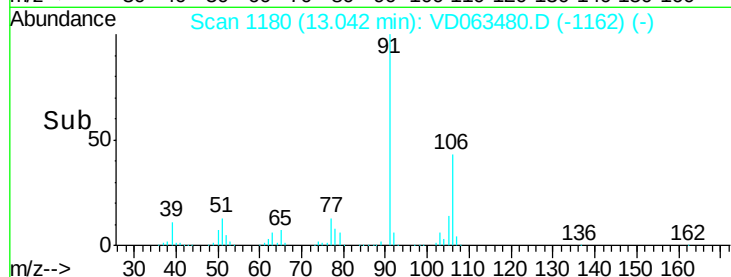
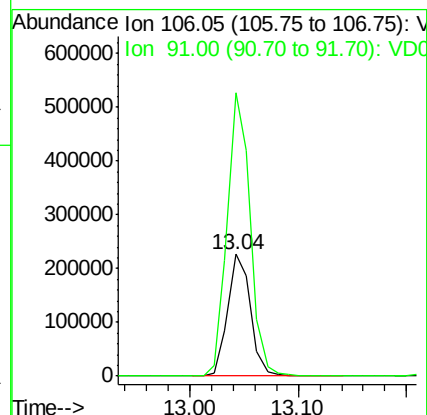
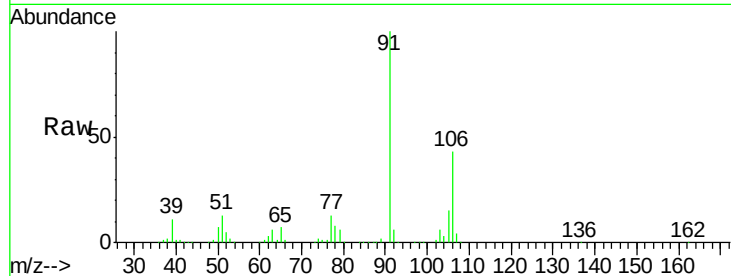




#69
o-Xylene
Concen: 22.317 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

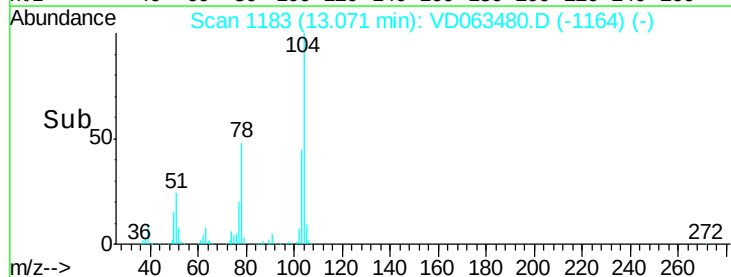
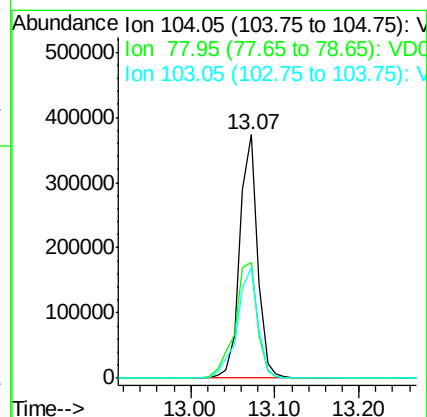
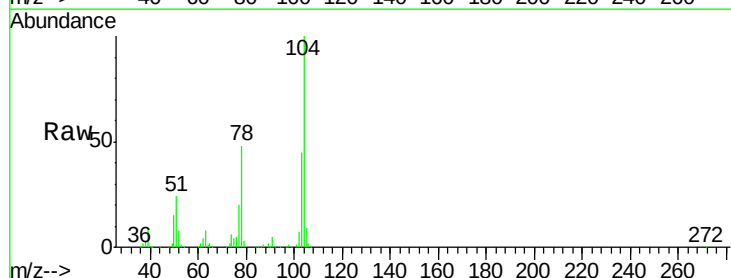
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

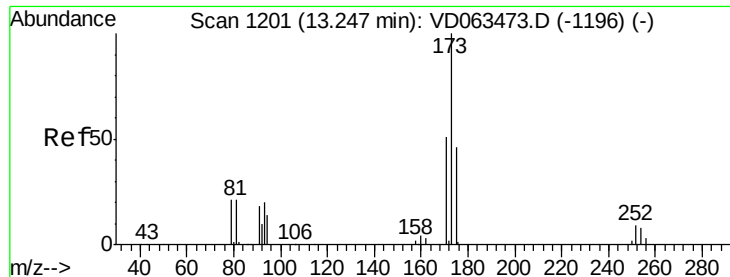
Tot Ion:106 Resp: 332775
Ion Ratio Lower Upper
106 100
91 232.0 118.1 354.2



#70
Styrene
Concen: 20.610 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Tgt Ion:104 Resp: 546645
Ion Ratio Lower Upper
104 100
78 47.5 40.8 61.2
103 45.2 36.4 54.6





#71

Bromoform

Concen: 21.502 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

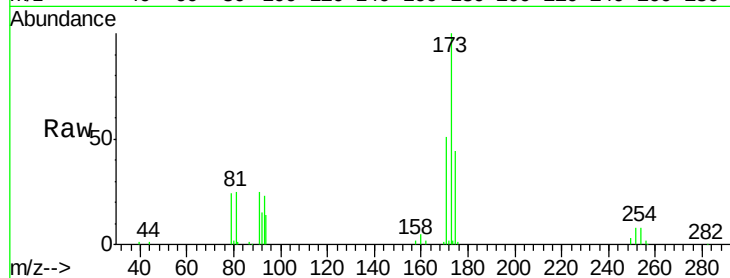
Tot Ion:173 Resp: 164557

Ion Ratio Lower Upper

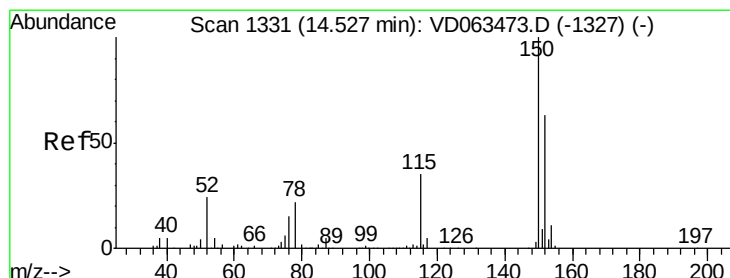
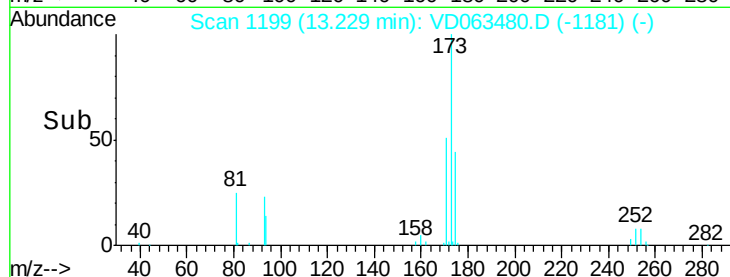
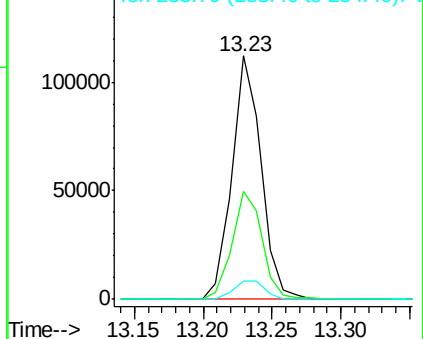
173 100

175 44.2 22.8 68.3

254 7.6 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: VD063480.D

Acq: 12 Aug 2019 11:55

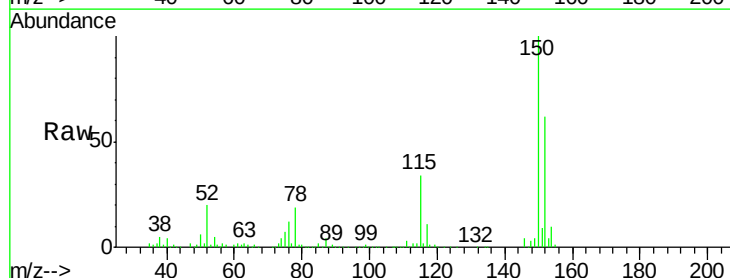
Tgt Ion:152 Resp: 718791

Ion Ratio Lower Upper

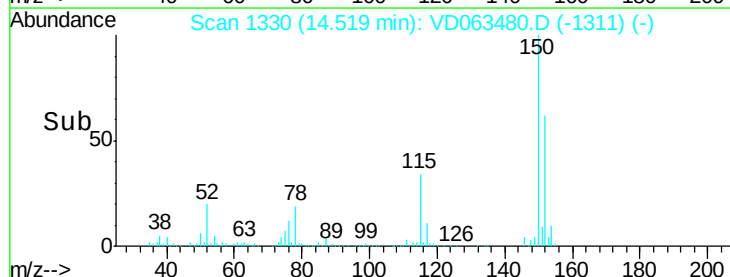
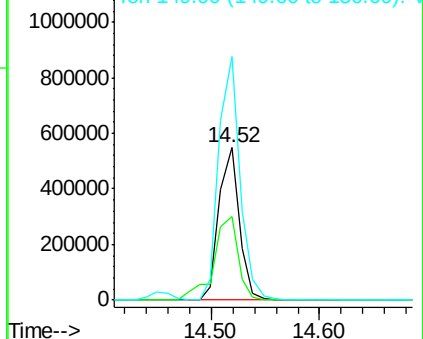
152 100

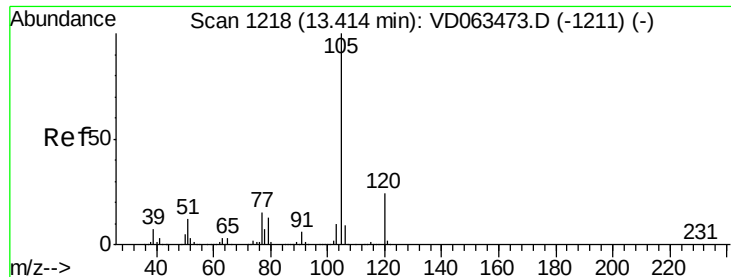
115 55.1 30.9 92.7

150 160.0 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: 19.849 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

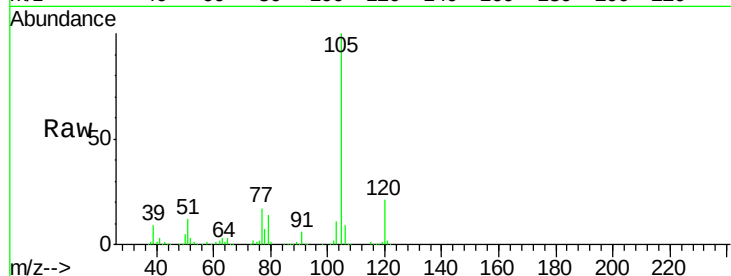
VD0812SBS01

Tot Ion:105 Resp: 907468

Ion Ratio Lower Upper

105 100

120 21.2 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

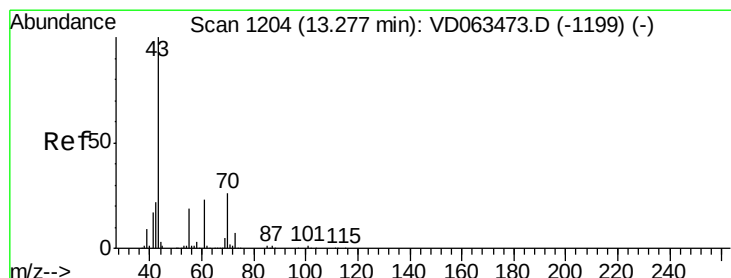
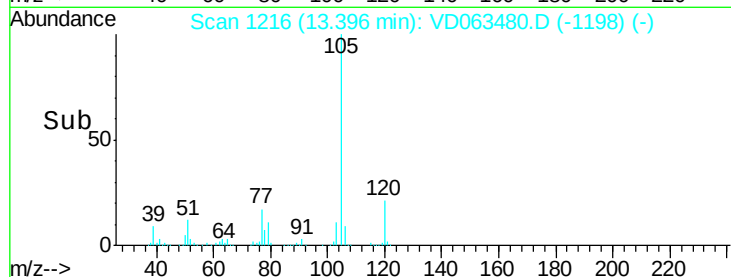
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.188 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Tgt Ion: 43 Resp: 231699

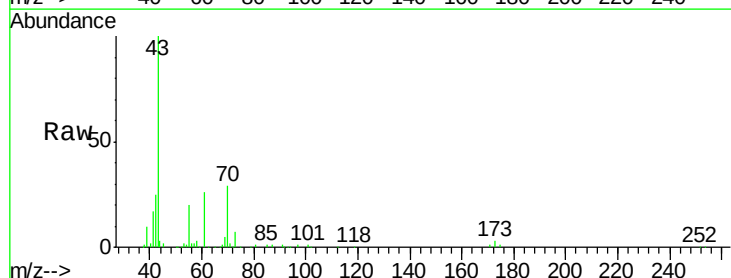
Ion Ratio Lower Upper

43 100

70 29.5 21.1 31.7

55 19.8 15.4 23.0

61 26.2 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

250000

200000

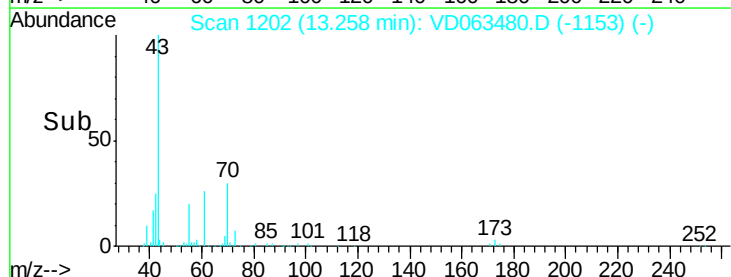
150000

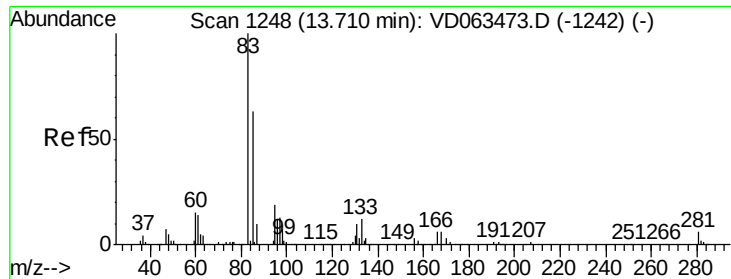
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 20.378 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

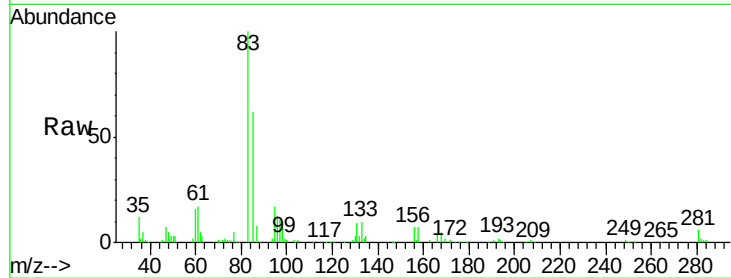
Tot Ion: 83 Resp: 154639

Ion Ratio Lower Upper

83 100

131 9.1 5.3 15.8

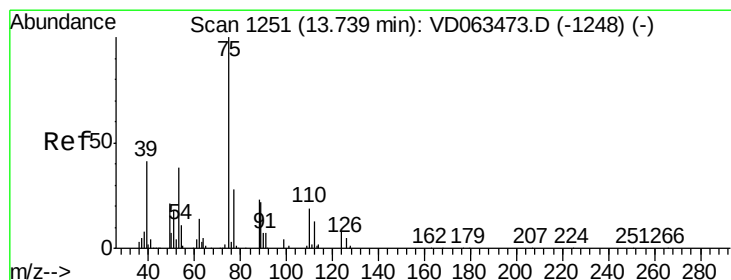
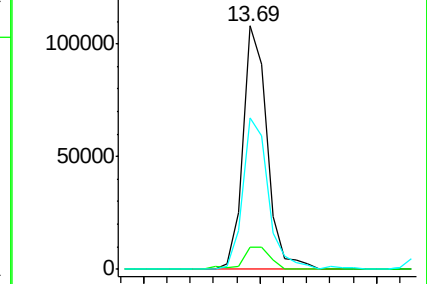
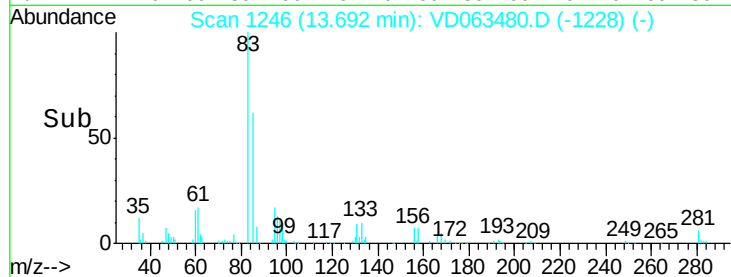
85 62.0 31.4 94.3



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: 21.187 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063480.D

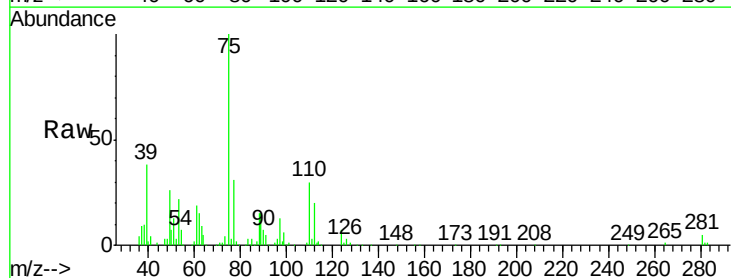
Acq: 12 Aug 2019 11:55

Tgt Ion: 75 Resp: 174779

Ion Ratio Lower Upper

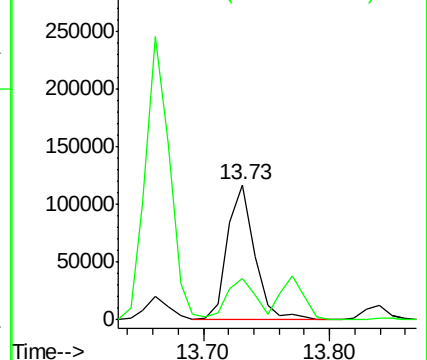
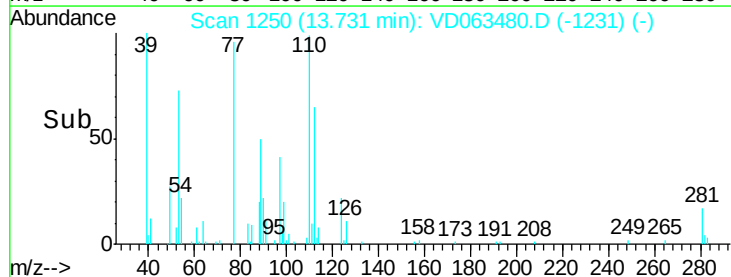
75 100

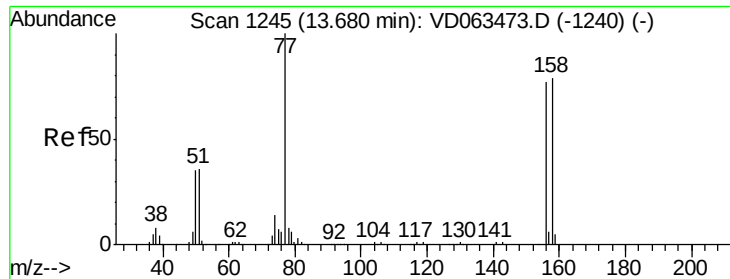
77 31.1 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

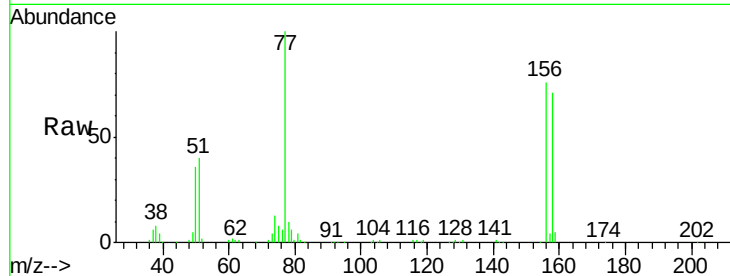




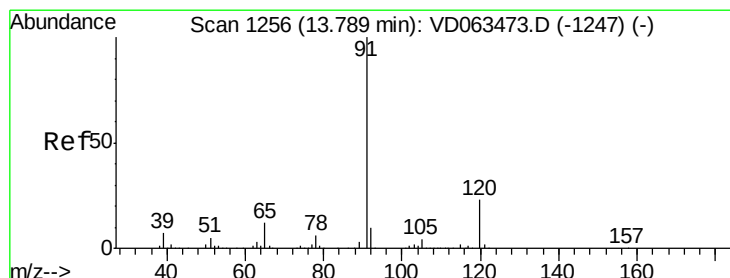
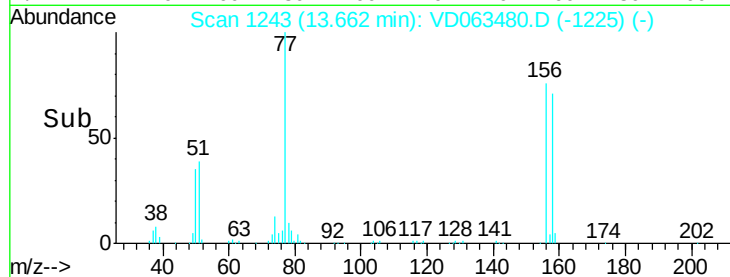
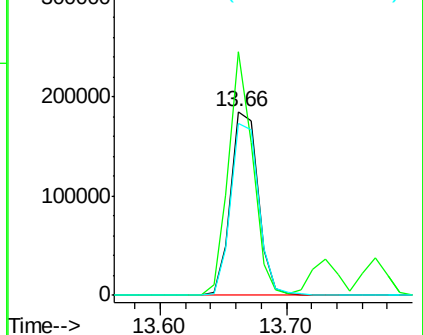
#77
Bromobenzene
Concen: 22.150 ug/l
RT: 13.66 min Scan# 1243
Delta R.T. -0.02 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion:156 Resp: 276763
Ion Ratio Lower Upper
156 100
77 132.3 64.6 193.8
158 93.3 50.9 152.7

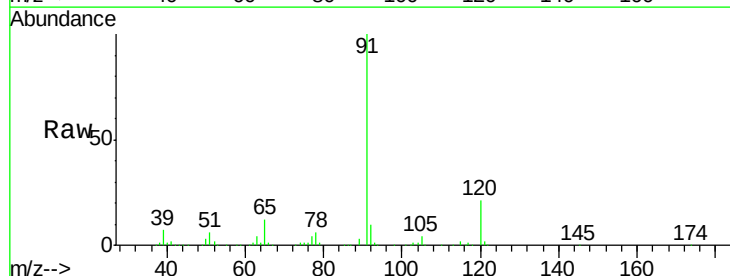


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

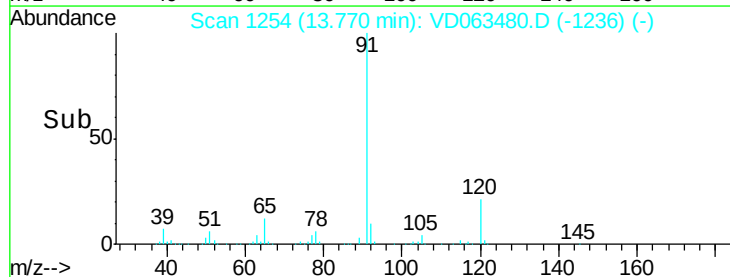
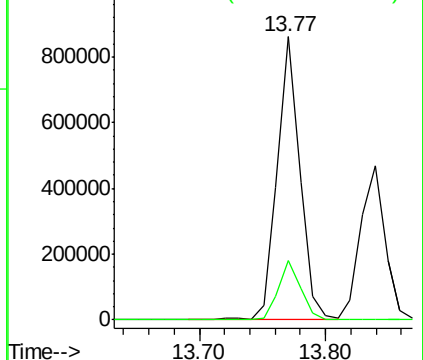


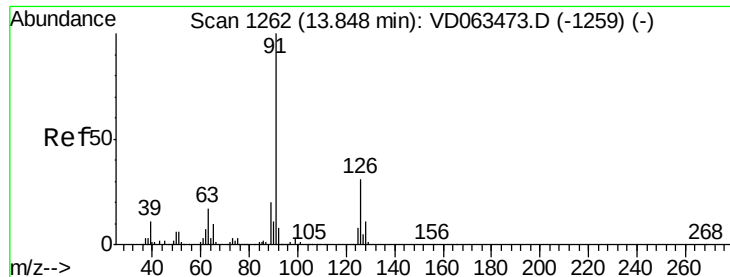
#78
n-propylbenzene
Concen: 20.211 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Tgt Ion: 91 Resp: 1081172
Ion Ratio Lower Upper
91 100
120 21.0 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: 20.421 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

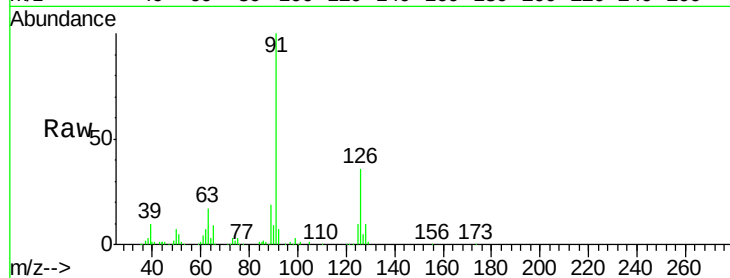
VD0812SBS01

Tot Ion: 91 Resp: 629844

Ion Ratio Lower Upper

91 100

126 35.9 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VD063473.D (-1259) (-)

Ion 125.95 (125.65 to 126.65): VD063473.D (-1259) (-)

800000

600000

400000

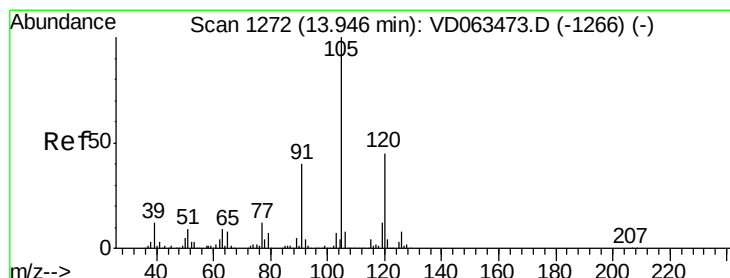
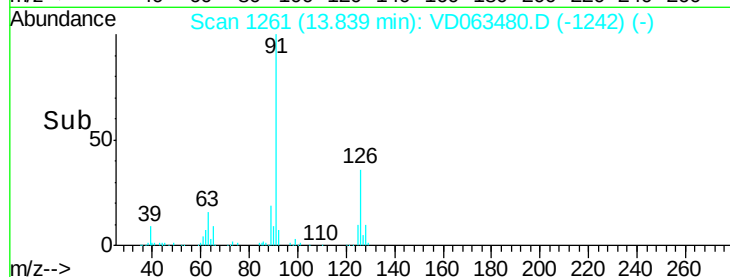
200000

0

13.80 13.85 13.90

13.84

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.452 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD063480.D

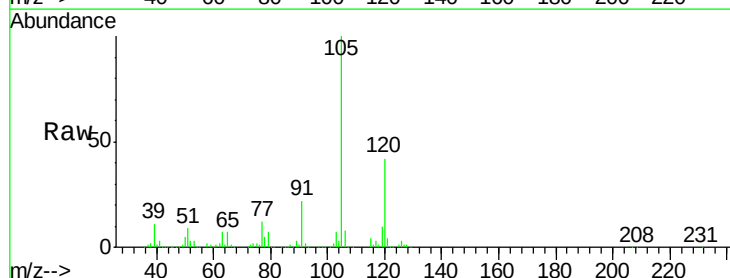
Acq: 12 Aug 2019 11:55

Tgt Ion: 105 Resp: 856941

Ion Ratio Lower Upper

105 100

120 42.4 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): VD063473.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD063473.D (-1266) (-)

600000

400000

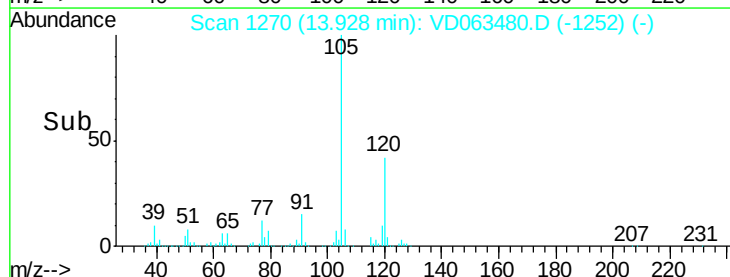
200000

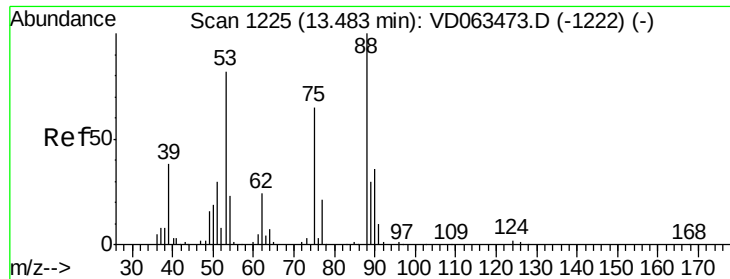
0

13.90 14.00

13.93

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.622 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

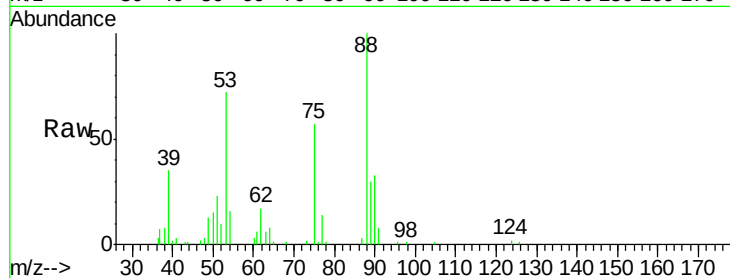
MSVOA_D

ClientSampleId :

VD0812SBS01

Tot Ion: 75 Resp: 41289

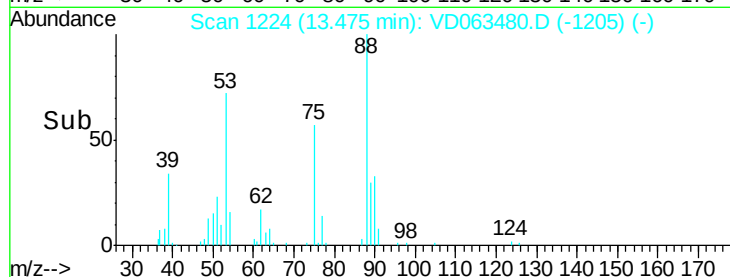
Ion	Ratio	Lower	Upper
75	100		
53	125.2	101.0	151.4
89	51.9	37.0	55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

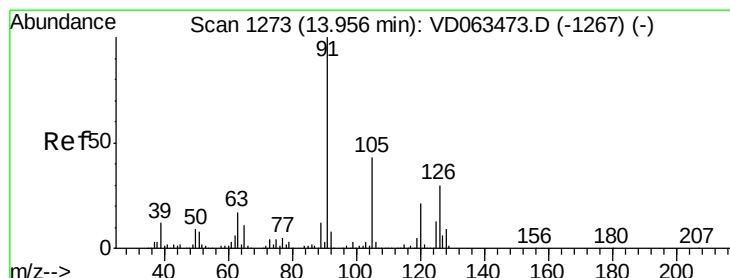
Ion 89.00 (88.70 to 89.70): VDC



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.119 ug/l

RT: 13.95 min Scan# 1272

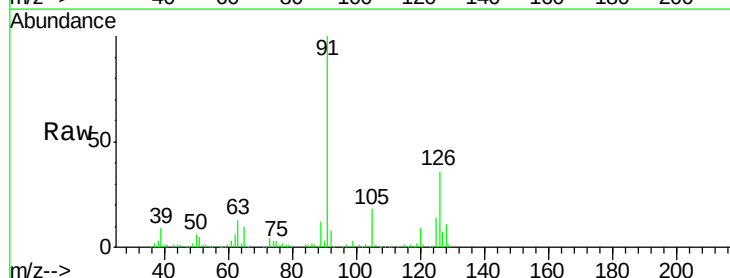
Delta R.T. -0.01 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

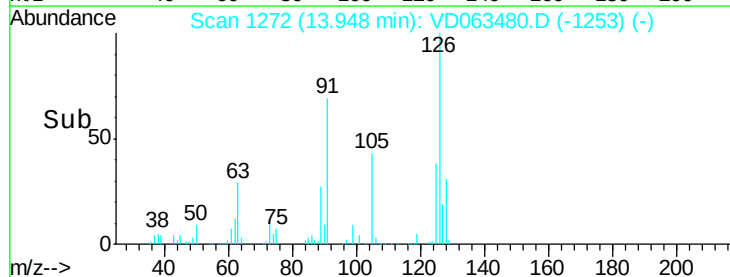
Tgt Ion: 91 Resp: 820353

Ion	Ratio	Lower	Upper
91	100		
126	36.1	15.2	45.6



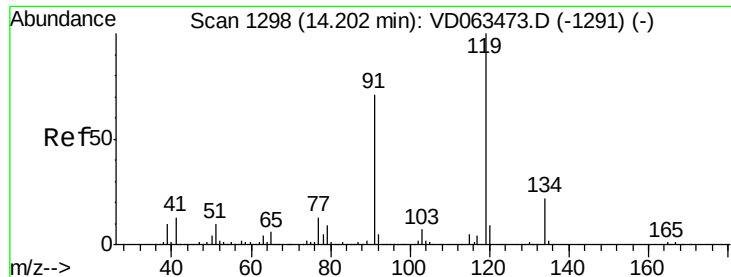
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V



Abundance Ion 91.00 (90.70 to 91.70): VDC

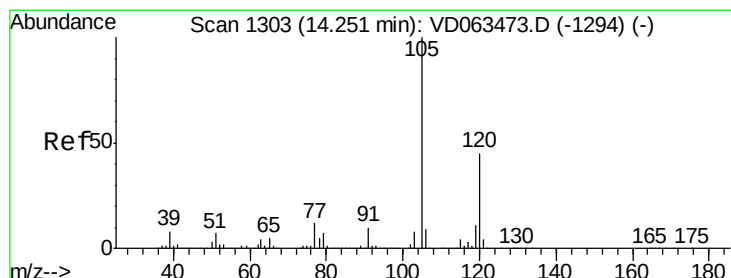
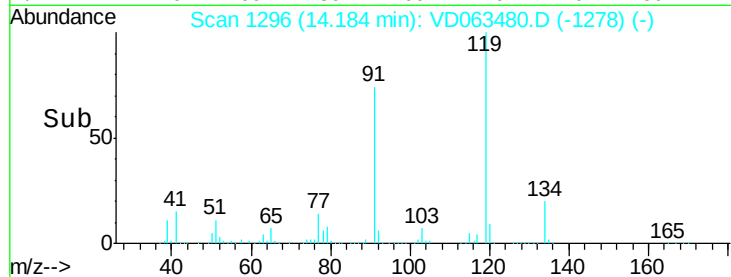
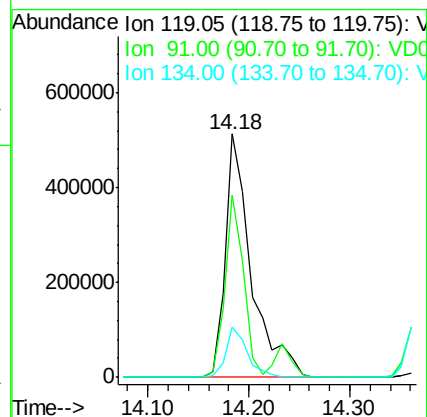
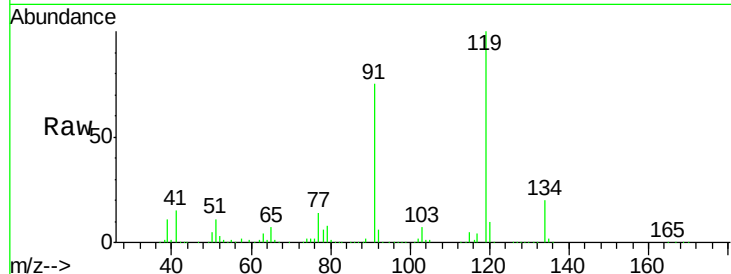
Ion 125.95 (125.65 to 126.65): V



#83
 tert-Butylbenzene
 Concen: 21.984 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

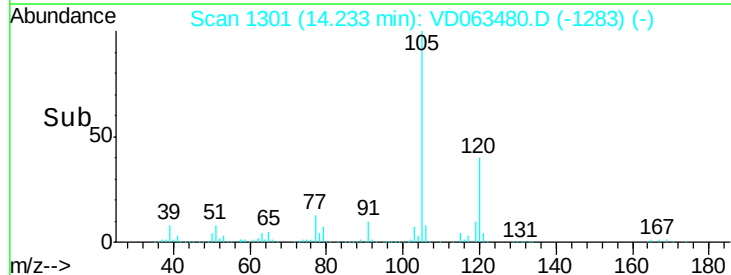
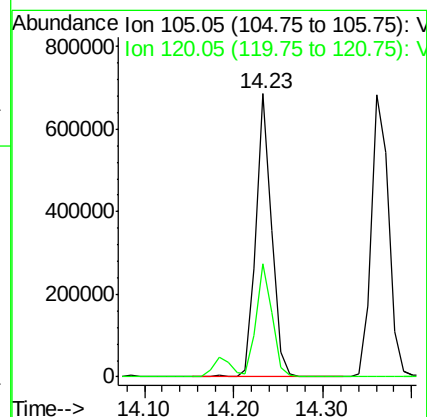
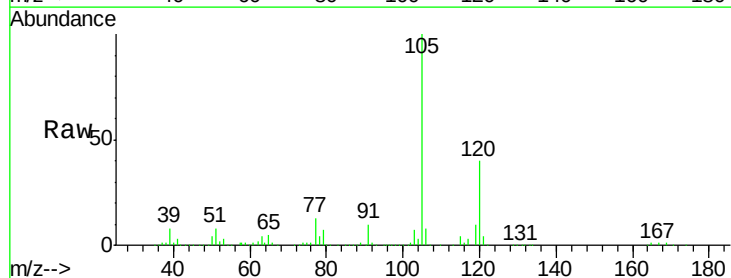
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

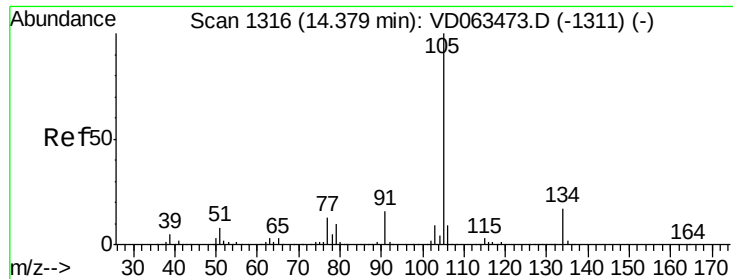
Tot Ion:119 Resp: 924769
 Ion Ratio Lower Upper
 119 100
 91 74.7 35.5 106.7
 134 20.4 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 22.432 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

Tgt Ion:105 Resp: 829098
 Ion Ratio Lower Upper
 105 100
 120 39.8 22.7 68.1

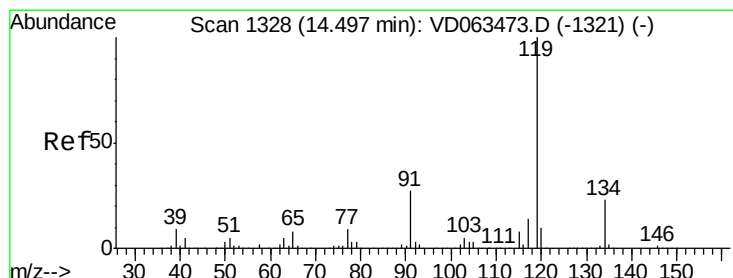
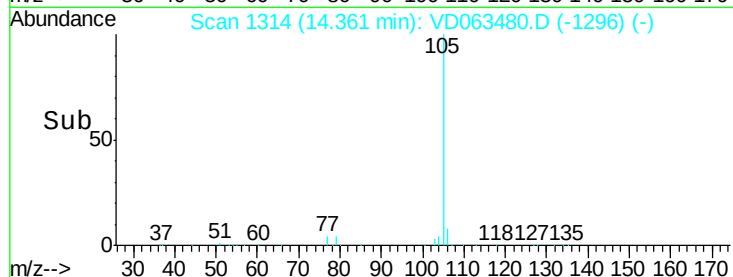
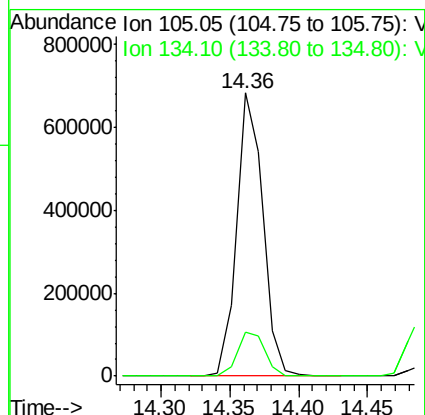
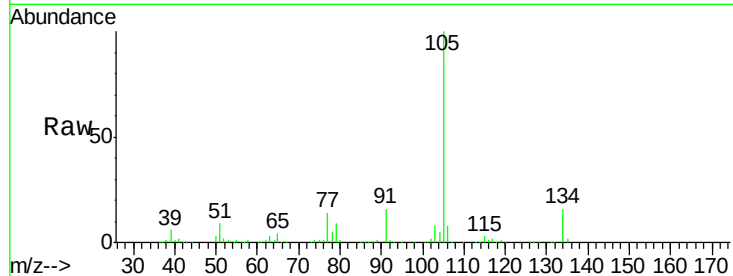




#85
 sec-Butylbenzene
 Concen: 20.299 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

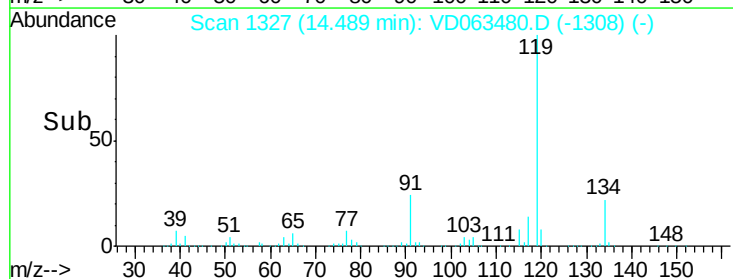
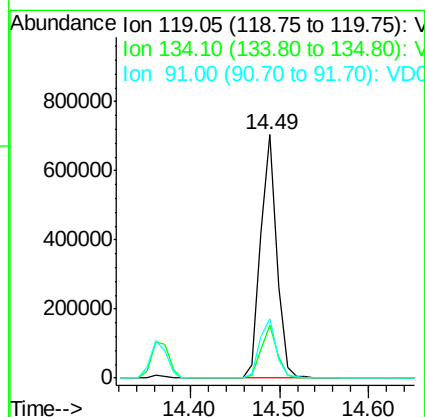
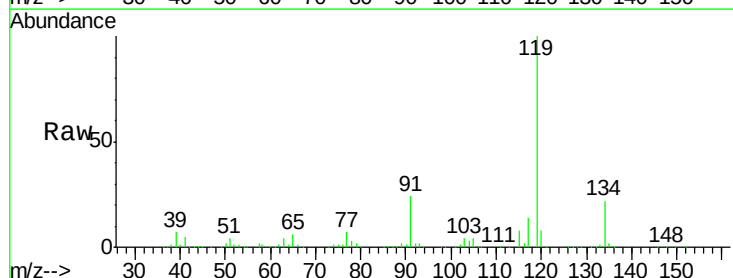
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

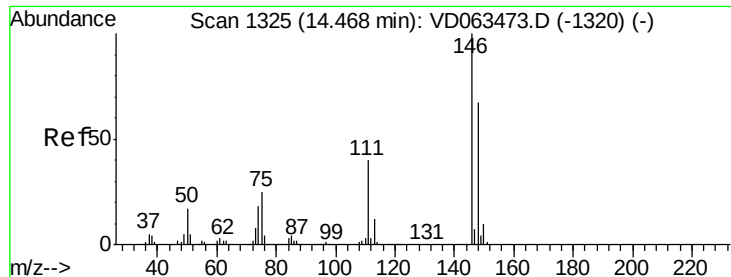
Tot Ion:105 Resp: 906809
 Ion Ratio Lower Upper
 105 100
 134 15.5 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 20.476 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

Tgt Ion:119 Resp: 874582
 Ion Ratio Lower Upper
 119 100
 134 21.7 11.3 33.8
 91 24.4 13.5 40.4

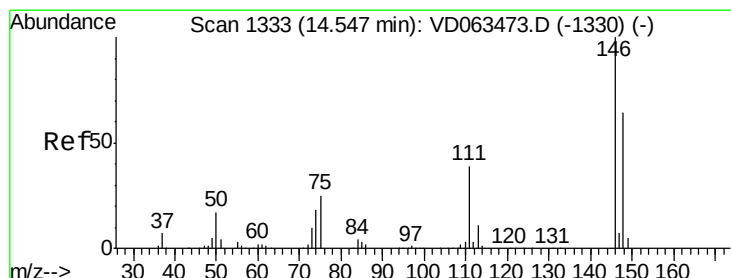
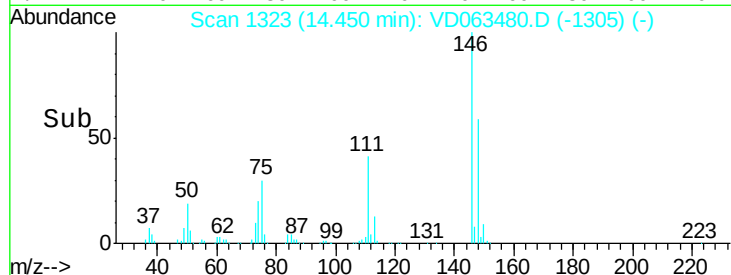
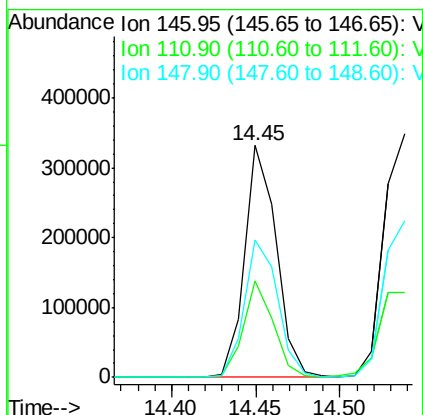
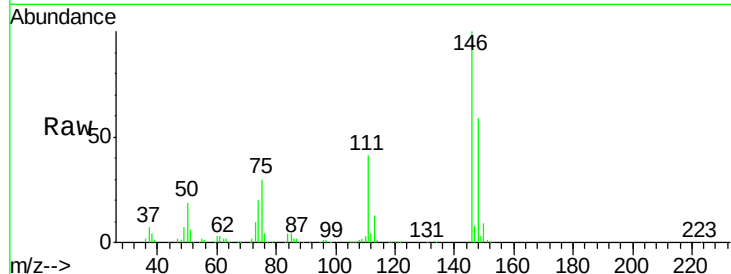




#87
 1,3-Dichlorobenzene
 Concen: 19.187 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

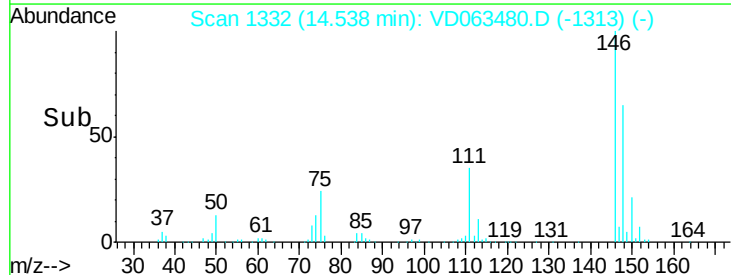
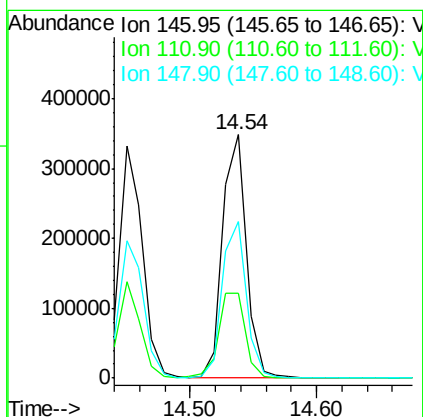
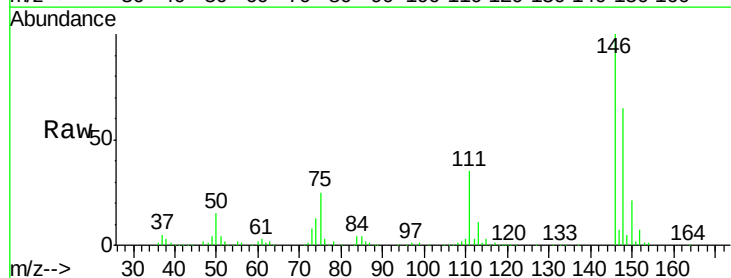
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

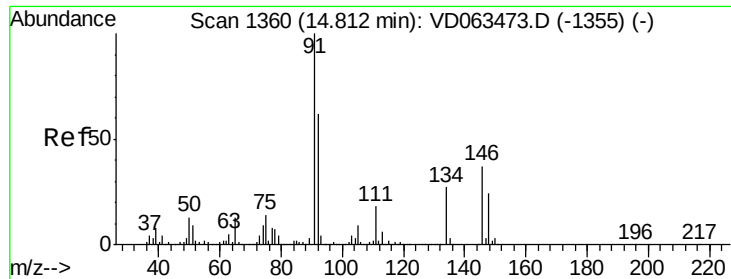
Tot Ion:146 Resp: 433644
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.0 60.0
 148 59.0 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 21.096 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

Tgt Ion:146 Resp: 457446
 Ion Ratio Lower Upper
 146 100
 111 34.8 19.7 59.0
 148 64.5 32.1 96.3





#89

n-Butylbenzene

Concen: 20.115 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063480.D

Acq: 12 Aug 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS01

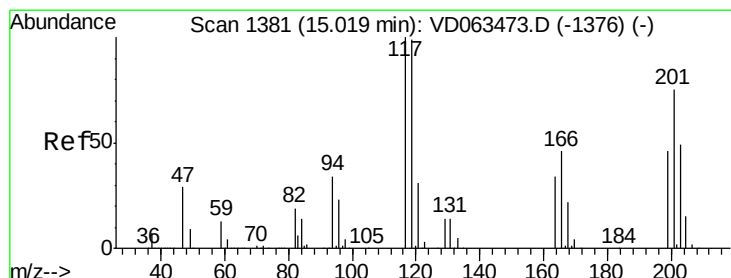
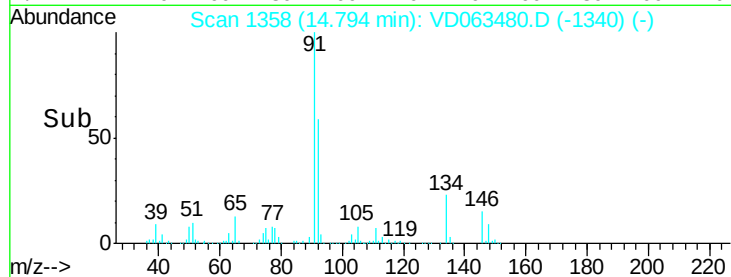
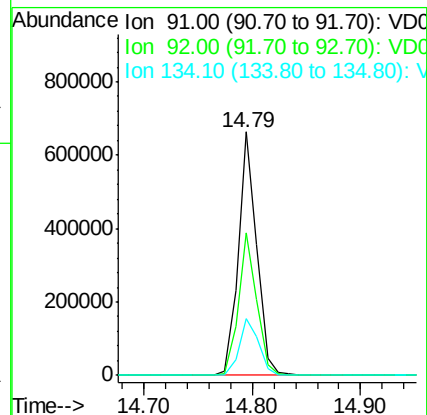
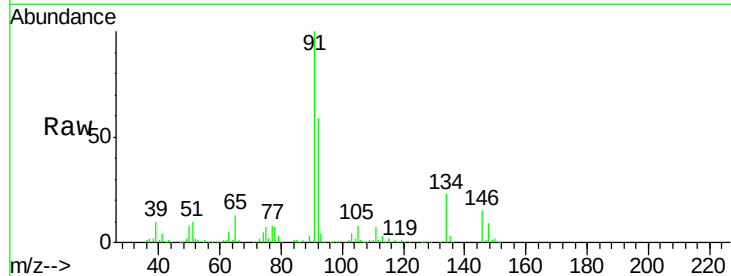
Tot Ion: 91 Resp: 784157

Ion Ratio Lower Upper

91 100

92 58.6 30.8 92.3

134 23.1 13.4 40.2



#90

Hexachloroethane

Concen: 21.856 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD063480.D

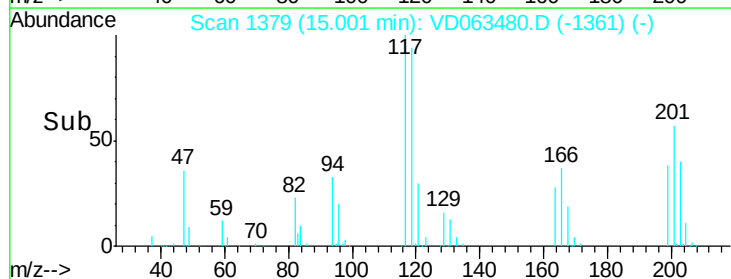
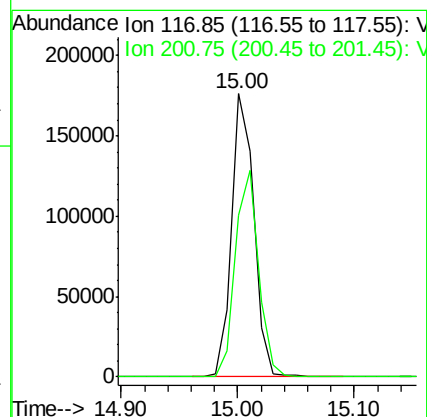
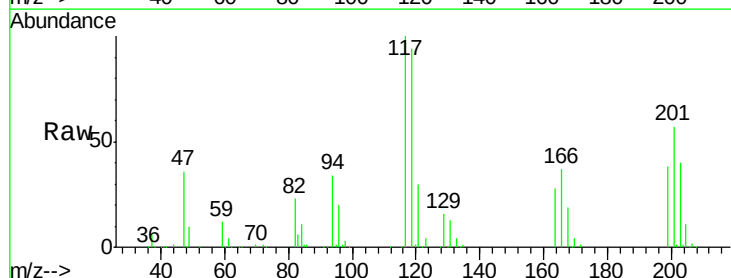
Acq: 12 Aug 2019 11:55

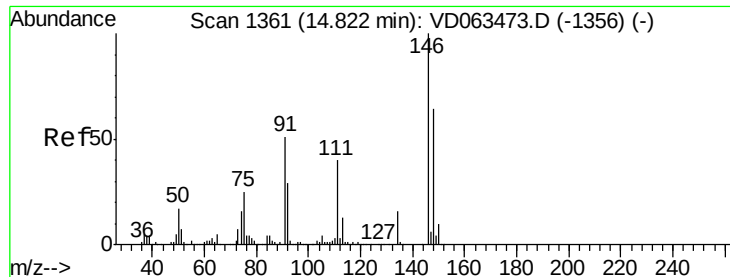
Tgt Ion: 117 Resp: 234647

Ion Ratio Lower Upper

117 100

201 57.1 37.5 112.5

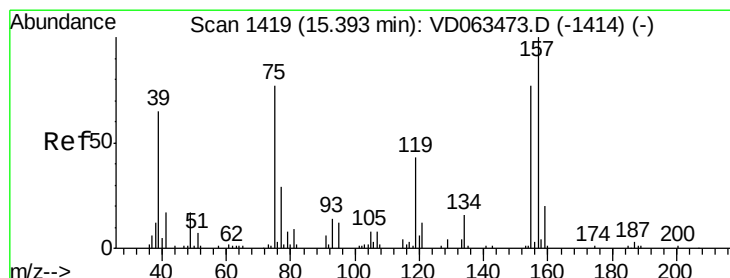
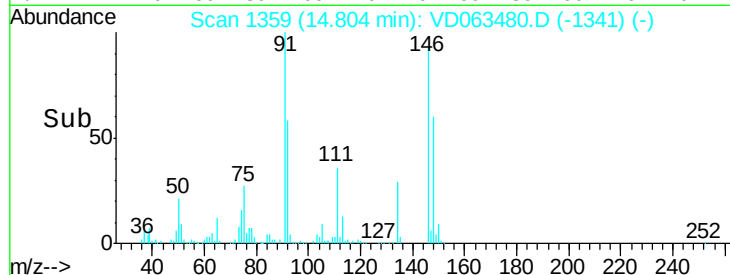
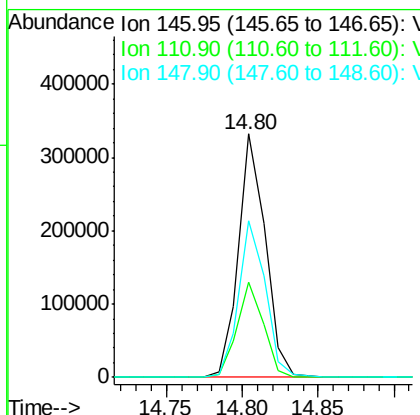
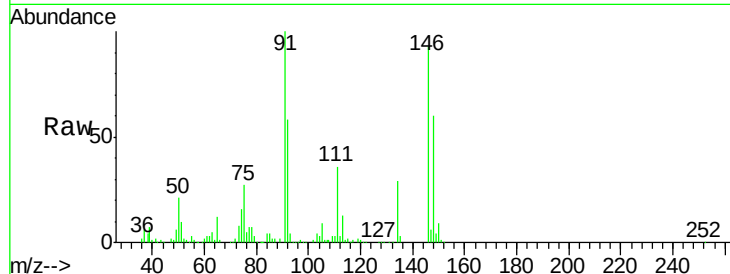




#91
 1,2-Dichlorobenzene
 Concen: 21.426 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

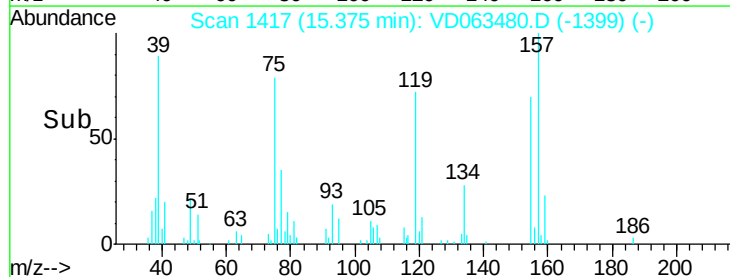
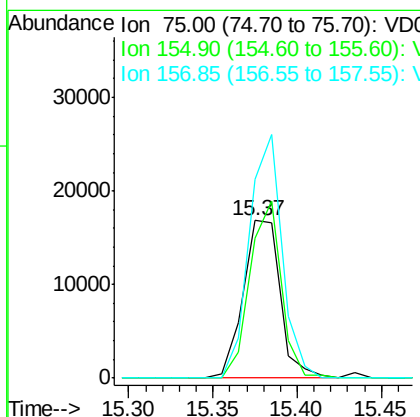
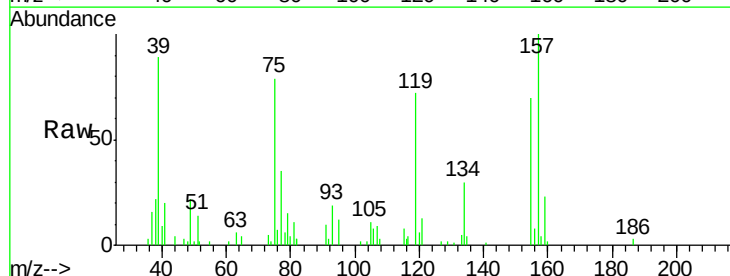
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

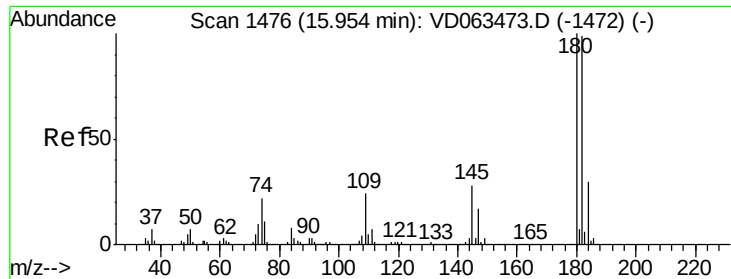
Tot Ion:146 Resp: 410853
 Ion Ratio Lower Upper
 146 100
 111 39.0 20.2 60.6
 148 64.1 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.997 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

Tgt Ion: 75 Resp: 25715
 Ion Ratio Lower Upper
 75 100
 155 88.9 50.1 150.3
 157 126.7 65.0 195.1

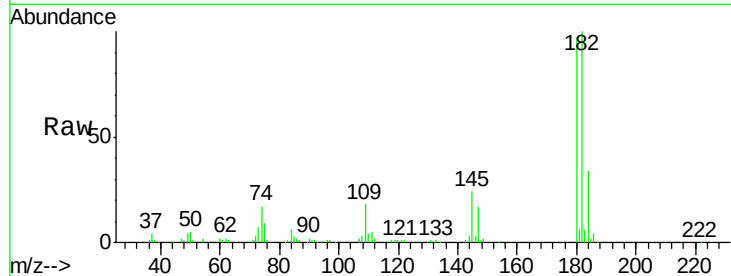




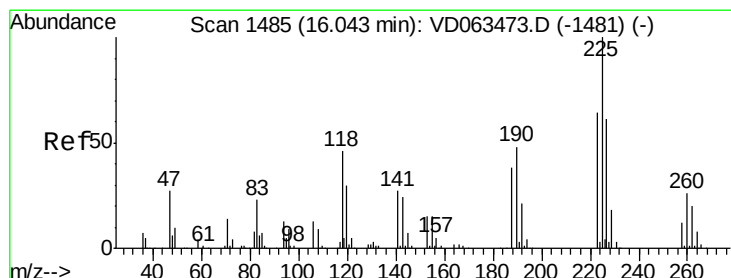
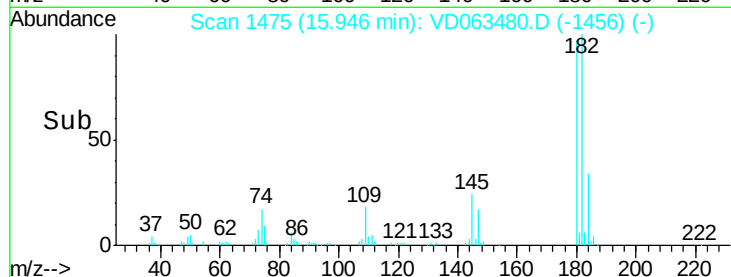
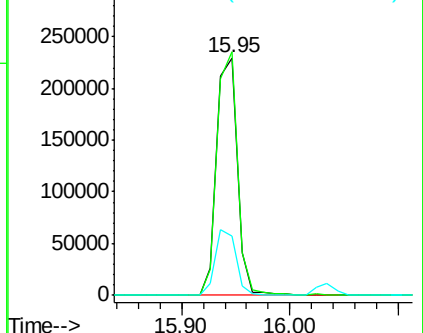
#93
 1,2,4-Trichlorobenzene
 Concen: 21.886 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

Tot Ion:180 Resp: 308807
 Ion Ratio Lower Upper
 180 100
 182 102.6 49.7 149.1
 145 24.8 14.1 42.2

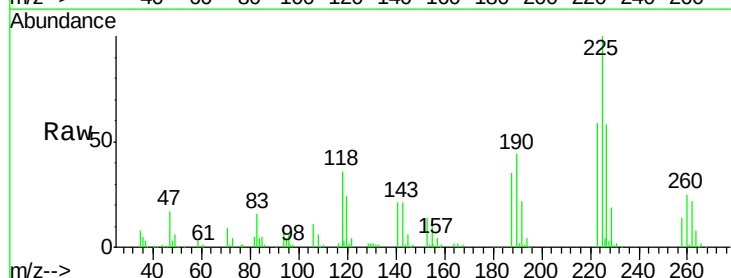


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

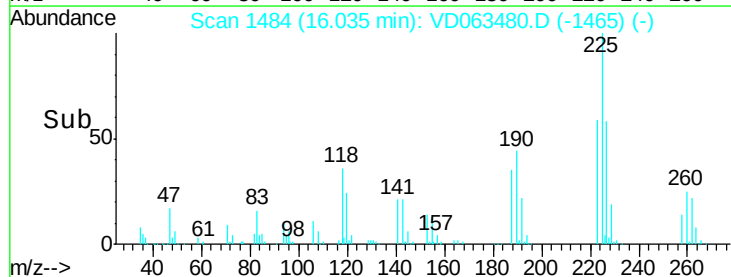
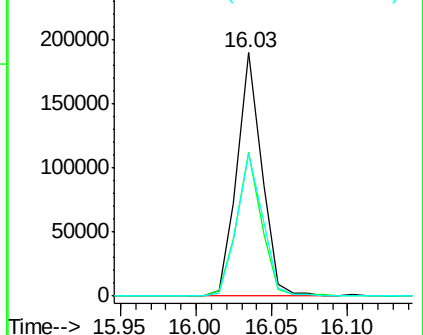


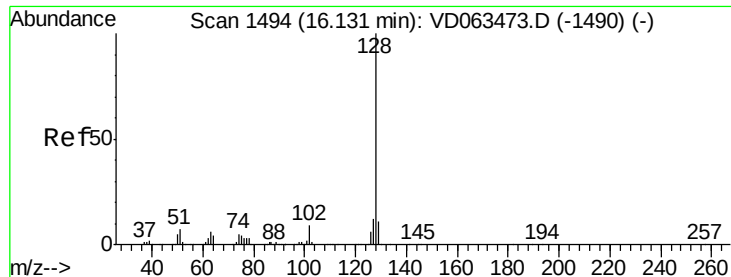
#94
 Hexachlorobutadiene
 Concen: 20.215 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063480.D
 Acq: 12 Aug 2019 11:55

Tgt Ion:225 Resp: 217381
 Ion Ratio Lower Upper
 225 100
 223 58.8 31.9 95.5
 227 58.3 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

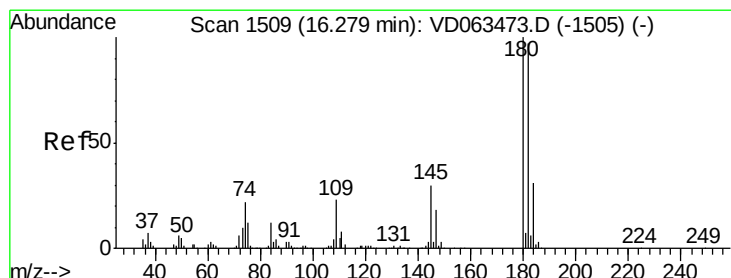
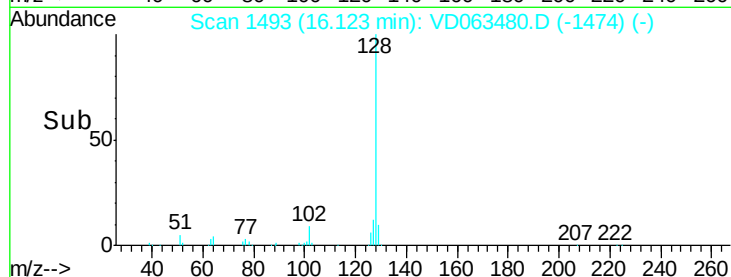
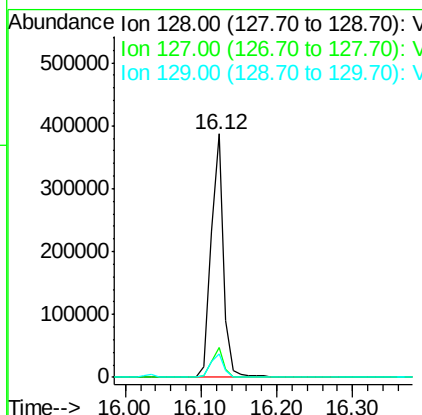
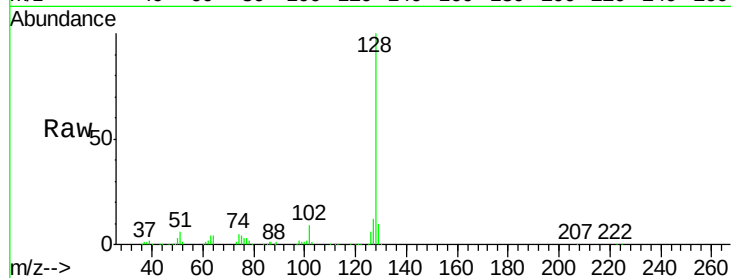




#95
Naphthalene
Concen: 20.922 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS01

Tot Ion:128 Resp: 447399
Ion Ratio Lower Upper
128 100
127 12.1 9.4 14.0
129 9.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 21.904 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063480.D
Acq: 12 Aug 2019 11:55

Tgt Ion:180 Resp: 249625
Ion Ratio Lower Upper
180 100
182 96.2 48.4 145.2
145 26.4 14.9 44.9

