

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080519\
 Data File : VD063377.D
 Acq On : 5 Aug 2019 13:39
 Operator : VA/AP
 Sample : VD0805SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBS01

Quant Time: Aug 06 07:48:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1035863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1481696	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1208154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	646419	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	581442	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
35) Dibromofluoromethane	6.92	113	644178	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
50) Toluene-d8	10.40	98	1328711	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
62) 4-Bromofluorobenzene	13.55	95	600925	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	276738	21.856	ug/l	96
3) Chloromethane	1.74	50	224642	22.835	ug/l	92
4) Vinyl Chloride	1.84	62	216635	21.272	ug/l	96
5) Bromomethane	2.13	94	85348	16.617	ug/l	99
6) Chloroethane	2.25	64	96913	20.611	ug/l #	88
7) Trichlorofluoromethane	2.52	101	427381	21.632	ug/l	100
8) Diethyl Ether	2.86	74	59433	21.494	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.14	101	242668	22.173	ug/l	94
10) Methyl Iodide	3.29	142	289560	18.315	ug/l	96
11) Tert butyl alcohol	4.08	59	51608	102.314	ug/l	94
12) 1,1-Dichloroethene	3.11	96	168736	21.001	ug/l	93
13) Acrolein	3.02	56	36536	75.263	ug/l	94
14) Allyl chloride	3.60	41	273572	21.374	ug/l	92
15) Acrylonitrile	4.19	53	132480	101.306	ug/l	94
16) Acetone	3.22	43	225765	100.812	ug/l	96
17) Carbon Disulfide	3.36	76	580705	21.594	ug/l	97
18) Methyl Acetate	3.63	43	93264	21.681	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	373382	20.573	ug/l	95
20) Methylene Chloride	3.80	84	221265	24.443	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	193055	21.415	ug/l	93
22) Diisopropyl ether	5.12	45	562534	21.998	ug/l	97
23) Vinyl Acetate	5.05	43	1614724	102.725	ug/l	99
24) 1,1-Dichloroethane	4.97	63	352988	21.611	ug/l	96
25) 2-Butanone	6.06	43	216031	96.121	ug/l	98
26) 2,2-Dichloropropane	6.01	77	358535	21.300	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	206230	21.337	ug/l	98
28) Bromochloromethane	6.42	49	117633	18.075	ug/l	95
29) Tetrahydrofuran	6.44	42	102963	96.763	ug/l	98
30) Chloroform	6.65	83	440102	21.711	ug/l	98
31) Cyclohexane	6.95	56	215660	21.064	ug/l	92
32) 1,1,1-Trichloroethane	6.86	97	441004	22.492	ug/l	97
36) 1,1-Dichloropropene	7.14	75	294140	21.752	ug/l	96
37) Ethyl Acetate	6.17	43	113362	18.660	ug/l #	91
38) Carbon Tetrachloride	7.10	117	426672	20.959	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	225967	20.057	ug/l	87
40) Benzene	7.45	78	632399	22.314	ug/l	97
41) Methacrylonitrile	6.44	41	142166	19.563	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	300508	20.008	ug/l	98
43) Isopropyl Acetate	9.24	43	148570	19.145	ug/l #	97
44) Trichloroethene	8.53	130	242199	21.090	ug/l	99
45) 1,2-Dichloropropane	8.94	63	150491	20.892	ug/l	99
46) Dibromomethane	9.06	93	121313	20.254	ug/l	93
47) Bromodichloromethane	9.37	83	319773	20.944	ug/l #	91
48) Methyl methacrylate	9.11	41	94750	18.826	ug/l #	85
49) 1,4-Dioxane	9.07	88	19293	450.251	ug/l	97
51) 4-Methyl-2-Pentanone	10.29	43	544347	103.143	ug/l	98
52) Toluene	10.50	92	382459	20.290	ug/l	93
53) t-1,3-Dichloropropene	10.90	75	269014	20.437	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	298274	21.561	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	132065	20.745	ug/l	96
56) Ethyl methacrylate	11.04	69	130059	18.657	ug/l	97
57) 1,3-Dichloropropane	11.41	76	204320	20.370	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.85	63	386144	106.456	ug/l	94
59) 2-Hexanone	11.52	43	381218	100.234	ug/l	92
60) Dibromochloromethane	11.68	129	247698	20.611	ug/l	96
61) 1,2-Dibromoethane	11.80	107	164885	20.990	ug/l	87
64) Tetrachloroethene	11.25	164	203763	21.170	ug/l	97
65) Chlorobenzene	12.39	112	497527	21.410	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	224097	21.893	ug/l	97
67) Ethyl Benzene	12.52	91	933491	23.647	ug/l	98
68) m/p-Xylenes	12.67	106	625140	43.181	ug/l	95
69) o-Xylene	13.05	106	270293	20.331	ug/l	98
70) Styrene	13.07	104	493819	20.945	ug/l	97
71) Bromoform	13.23	173	145499	19.546	ug/l #	95
73) Isopropylbenzene	13.40	105	897841	22.130	ug/l	93
74) N-amyl acetate	13.27	43	193159	18.010	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.70	83	140586	20.400	ug/l	90
76) 1,2,3-Trichloropropane	13.73	75	160027	20.611	ug/l	97
77) Bromobenzene	13.67	156	245335	21.227	ug/l	81
78) n-propylbenzene	13.77	91	1019730	21.121	ug/l	98
79) 2-Chlorotoluene	13.84	91	615349	21.996	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	782314	22.357	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	37968	17.610	ug/l	86
82) 4-Chlorotoluene	13.95	91	718994	21.838	ug/l	98
83) tert-Butylbenzene	14.19	119	878807	21.995	ug/l	86
84) 1,2,4-Trimethylbenzene	14.23	105	746079	20.613	ug/l	97
85) sec-Butylbenzene	14.37	105	885649	21.039	ug/l	100
86) p-Isopropyltoluene	14.49	119	878083	21.855	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	448122	21.894	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	430805	20.815	ug/l	98
89) n-Butylbenzene	14.79	91	772197	22.253	ug/l	96
90) Hexachloroethane	15.01	117	214039	20.447	ug/l	75
91) 1,2-Dichlorobenzene	14.80	146	370811	20.794	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	25975	18.504	ug/l	66

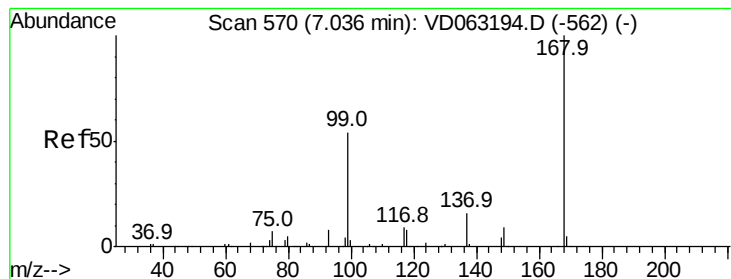
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080519\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	287008	20.288	ug/l	97
94) Hexachlorobutadiene	16.03	225	219150	21.376	ug/l	98
95) Naphthalene	16.12	128	402192	20.114	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	228503	20.446	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

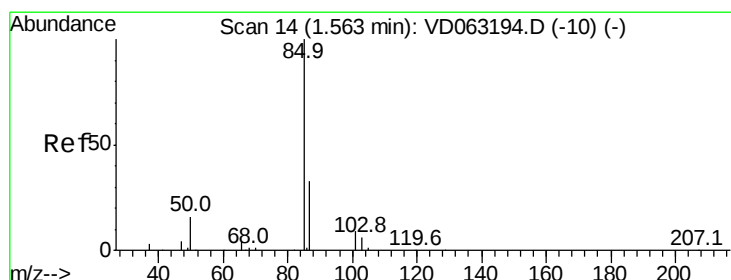
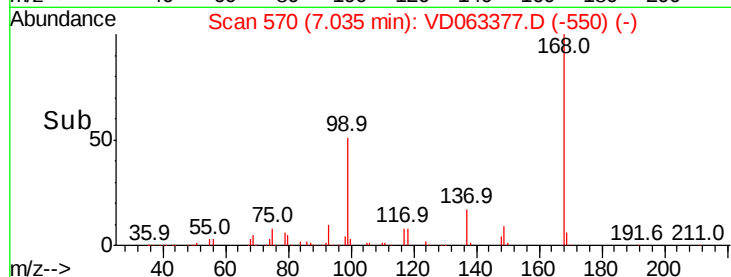
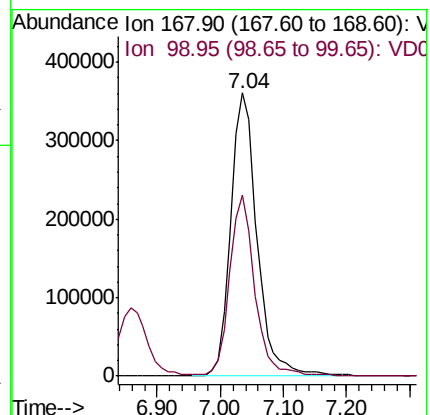
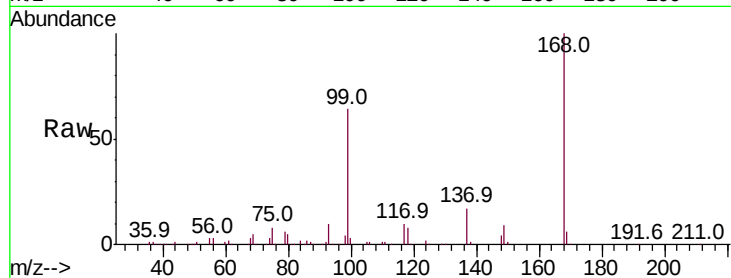
VD0805SBS01

Tot Ion:168 Resp: 1035863

Ion Ratio Lower Upper

168 100

99 63.8 43.7 65.5



#2

Dichlorodifluoromethane

Concen: 21.856 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063377.D

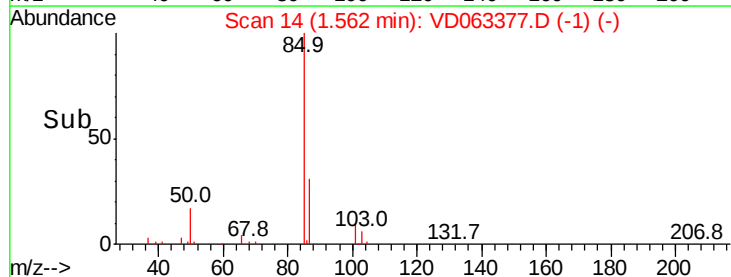
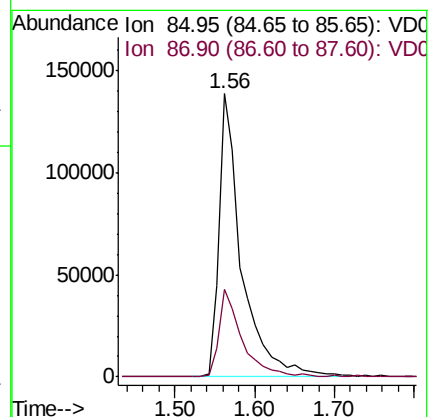
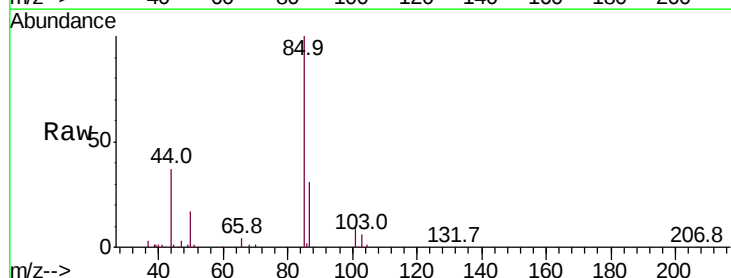
Acq: 5 Aug 2019 13:39

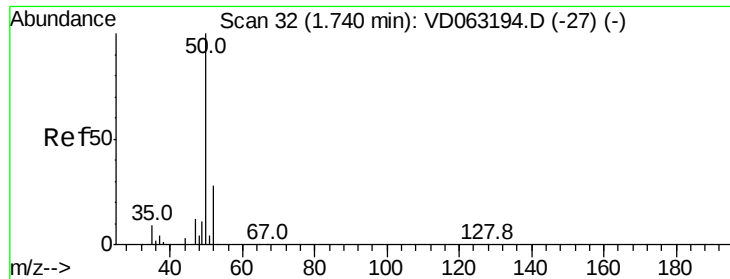
Tgt Ion: 85 Resp: 276738

Ion Ratio Lower Upper

85 100

87 31.0 16.6 49.7





#3

Chloromethane

Concen: 22.835 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

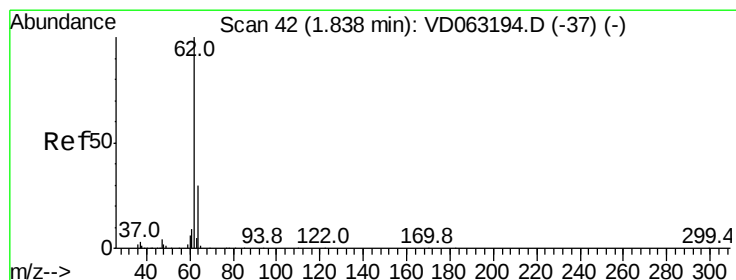
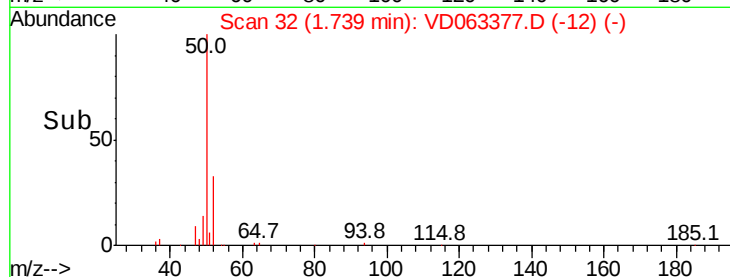
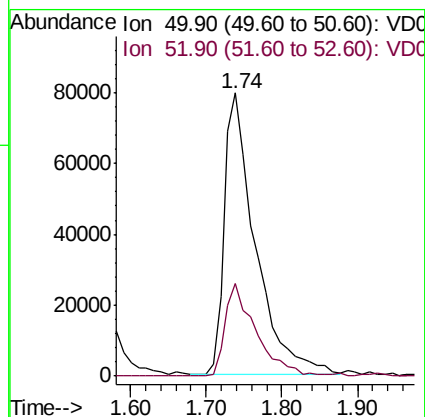
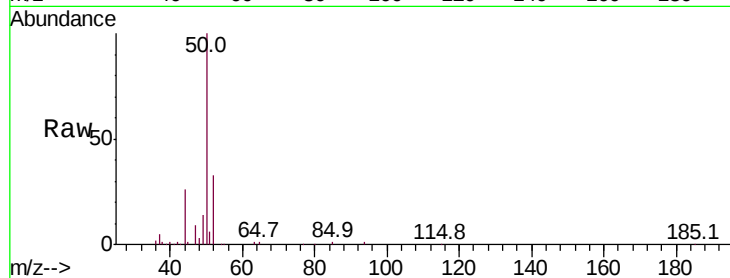
VD0805SBS01

Tot Ion: 50 Resp: 224642

Ion Ratio Lower Upper

50 100

52 32.6 22.6 34.0



#4

Vinyl Chloride

Concen: 21.272 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063377.D

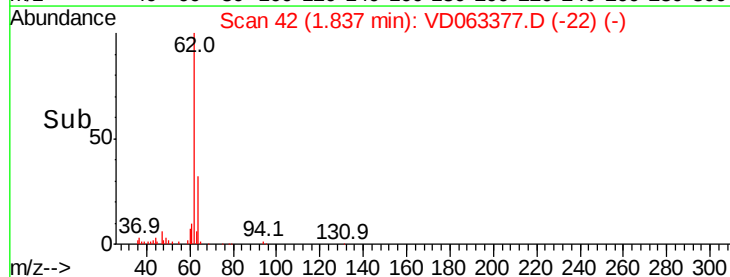
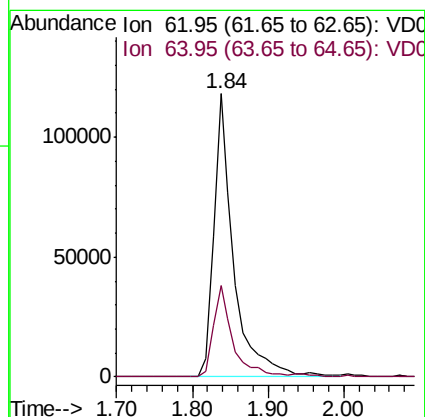
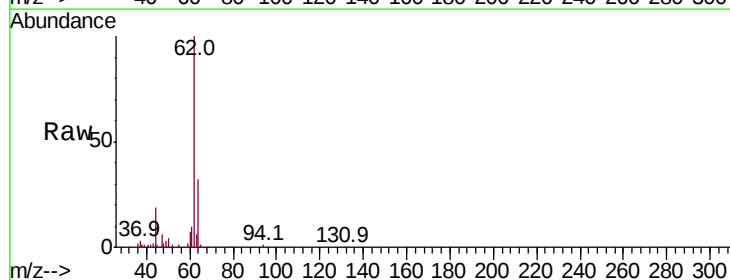
Acq: 5 Aug 2019 13:39

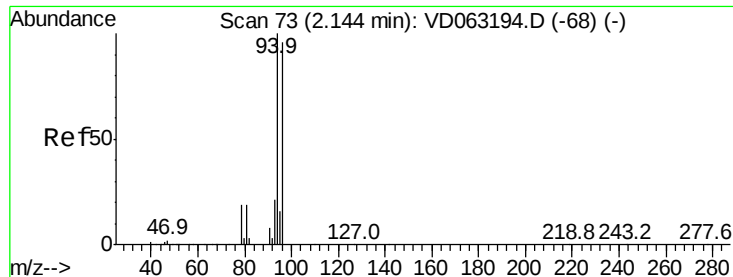
Tgt Ion: 62 Resp: 216635

Ion Ratio Lower Upper

62 100

64 32.4 24.1 36.1





#5

Bromomethane

Concen: 16.617 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

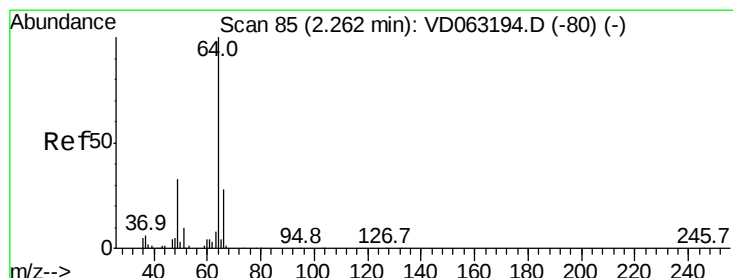
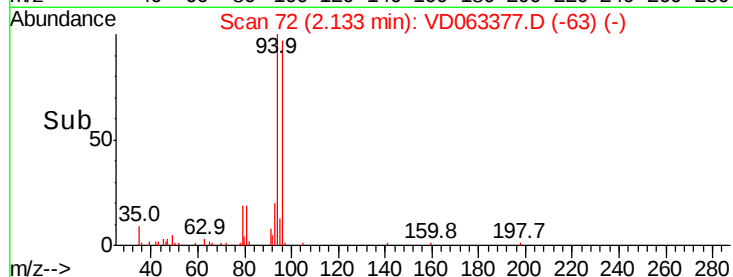
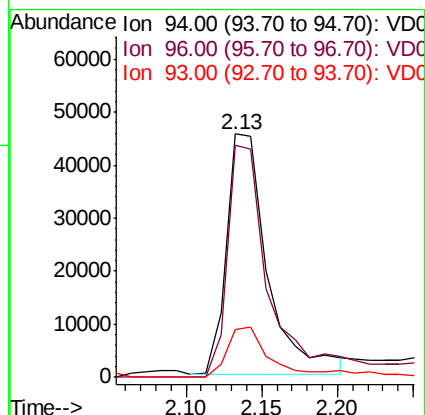
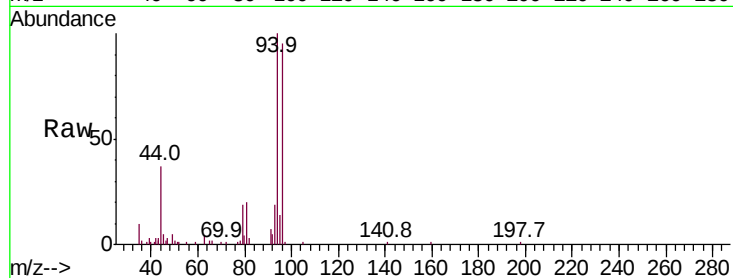
Tot Ion: 94 Resp: 85348

Ion Ratio Lower Upper

94 100

96 95.3 76.4 114.6

93 19.4 17.3 25.9



#6

Chloroethane

Concen: 20.611 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063377.D

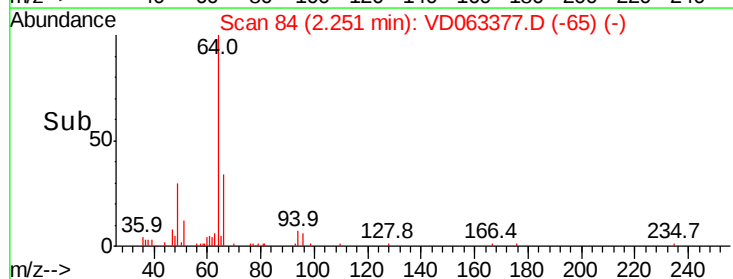
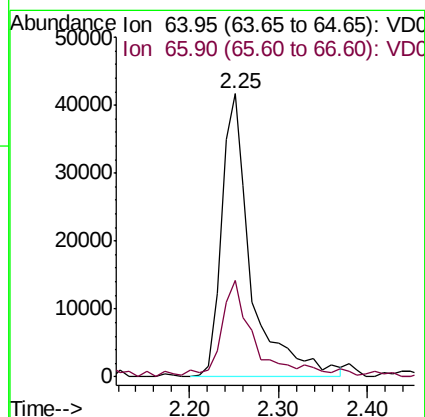
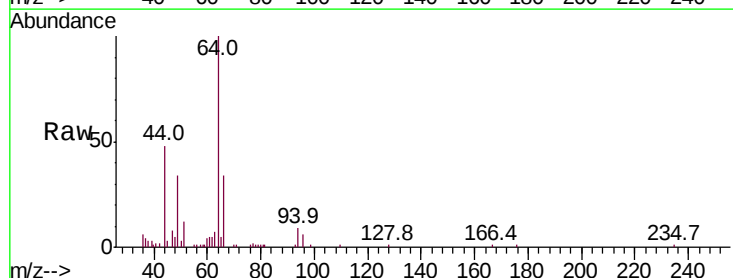
Acq: 5 Aug 2019 13:39

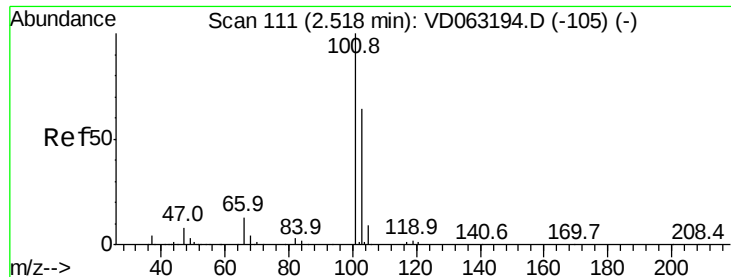
Tgt Ion: 64 Resp: 96913

Ion Ratio Lower Upper

64 100

66 34.2 22.2 33.2#



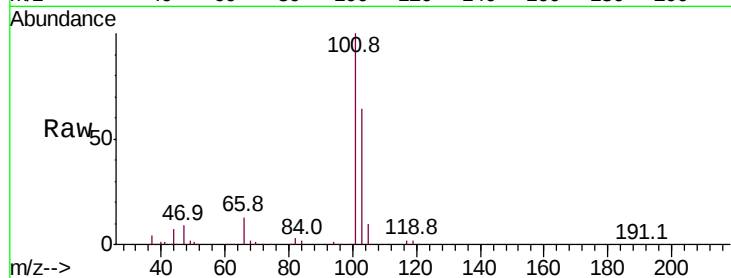


#7

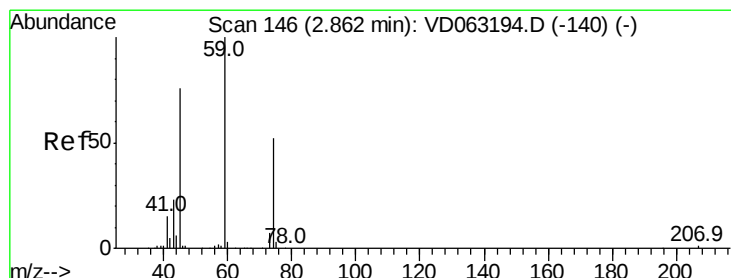
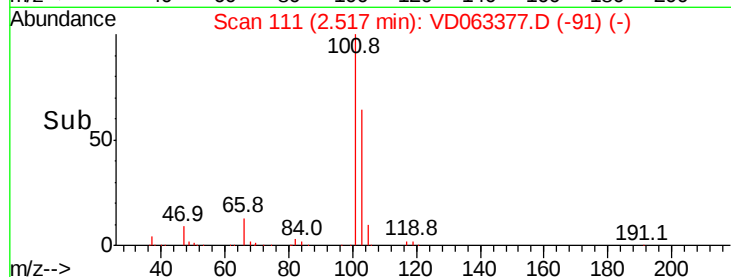
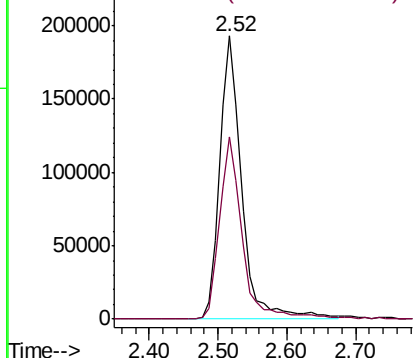
Trichlorofluoromethane
Concen: 21.632 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0805SBS01

Tot Ion:101 Resp: 427381
Ion Ratio Lower Upper
101 100
103 64.3 51.5 77.3



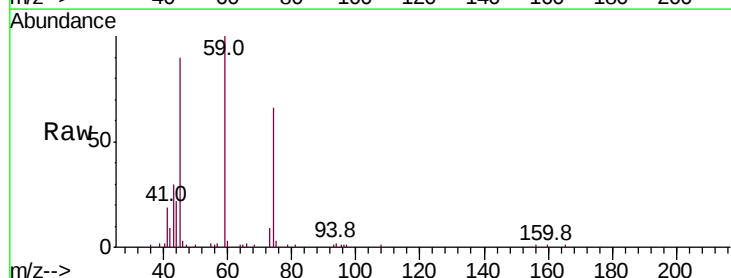
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



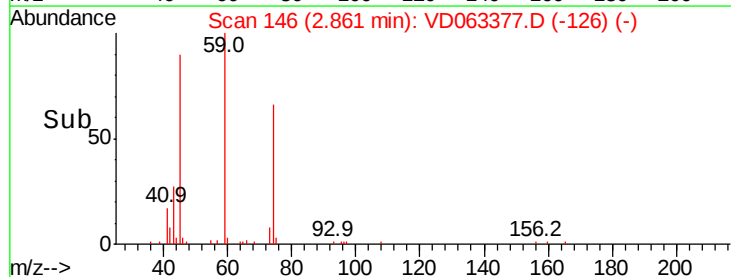
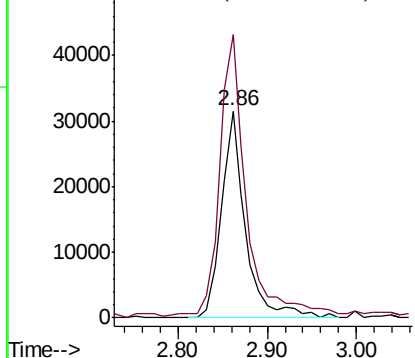
#8

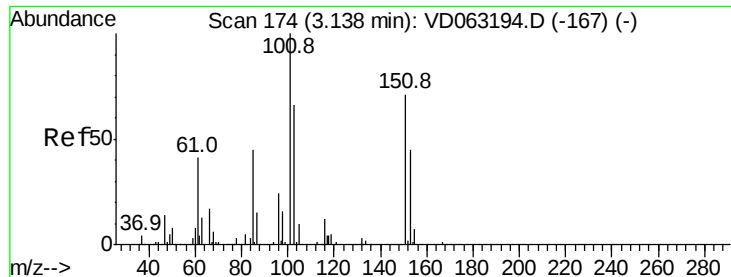
Diethyl Ether
Concen: 21.494 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Tgt Ion: 74 Resp: 59433
Ion Ratio Lower Upper
74 100
45 137.0 73.6 220.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.173 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

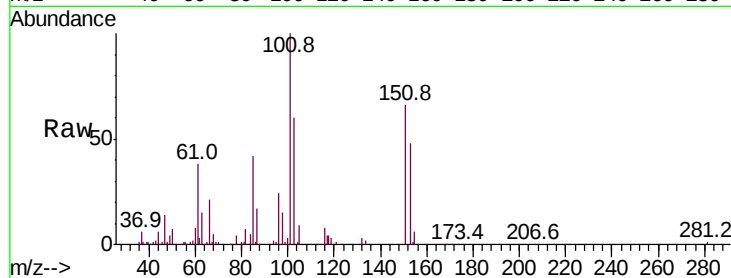
Tot Ion:101 Resp: 242668

Ion Ratio Lower Upper

101 100

85 41.9 36.1 54.1

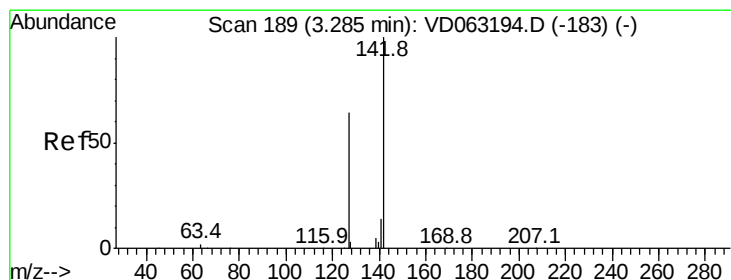
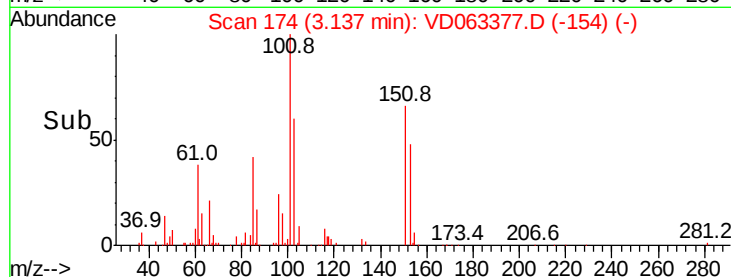
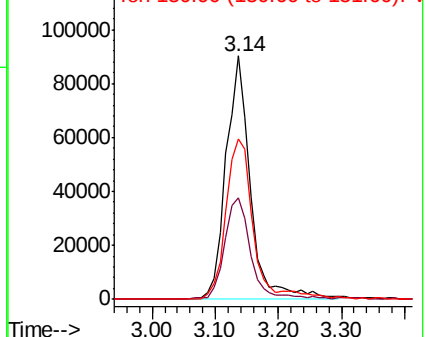
151 65.8 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.315 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

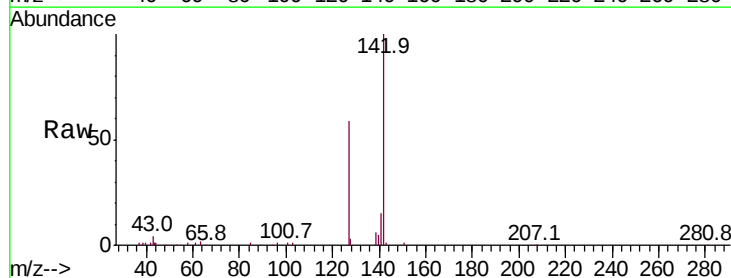
Tgt Ion:142 Resp: 289560

Ion Ratio Lower Upper

142 100

127 59.5 50.8 76.2

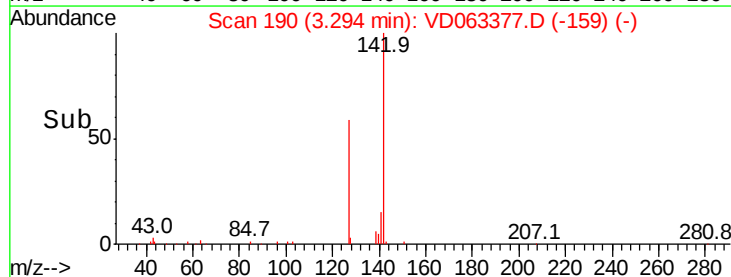
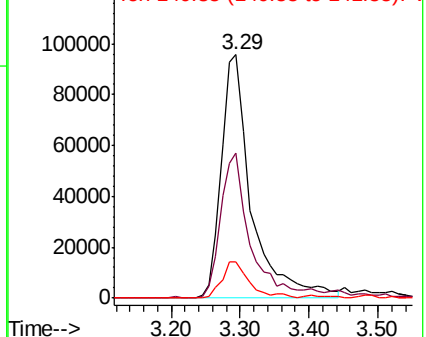
141 14.7 11.4 17.2

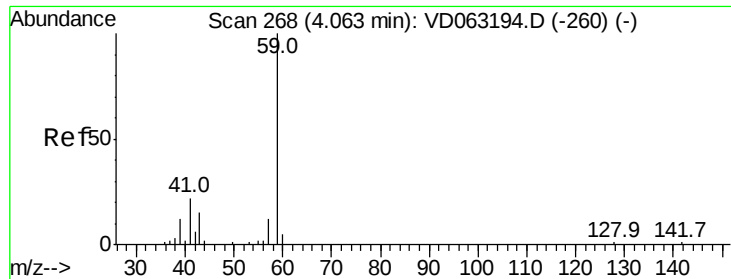


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



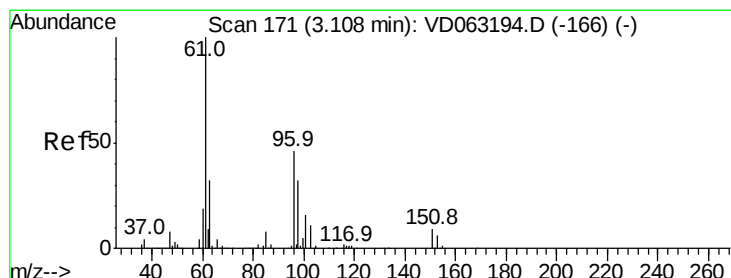
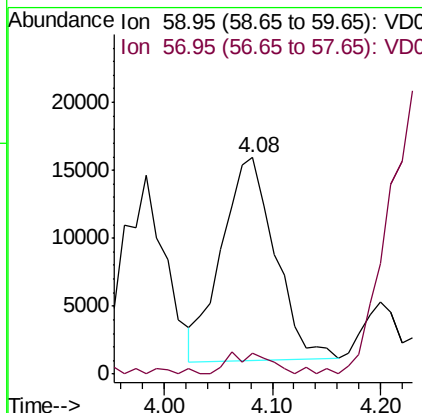
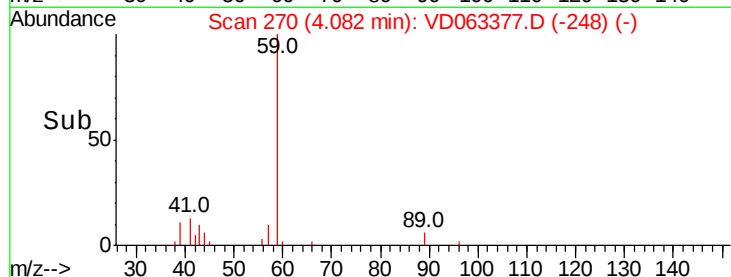
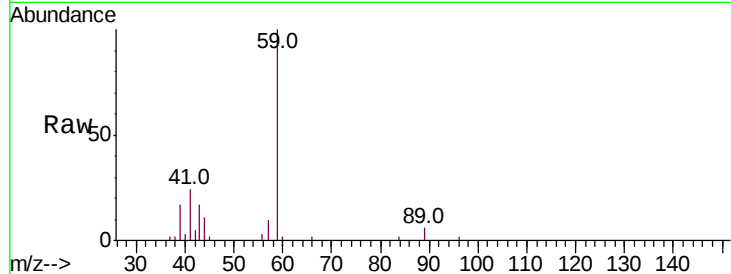


#11

Tert butyl alcohol
Concen: 102.314 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0805SBS01

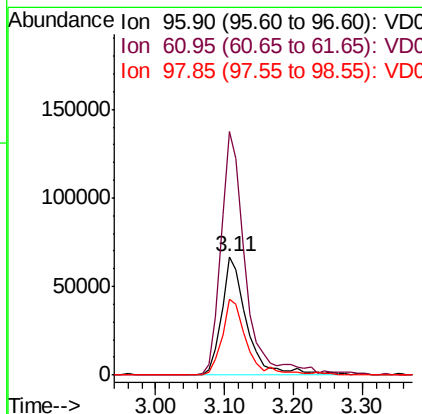
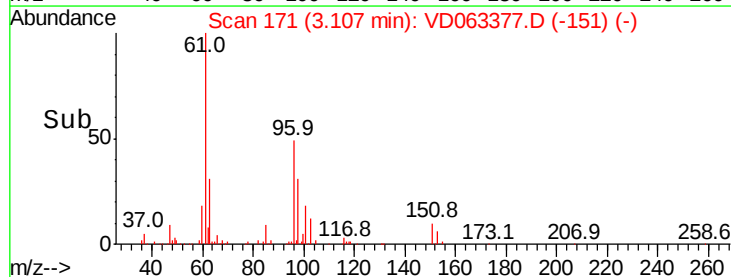
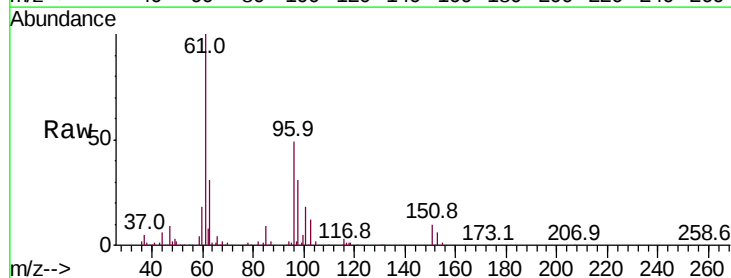
Tot Ion: 59 Resp: 51608
Ion Ratio Lower Upper
59 100
57 9.8 9.6 14.4

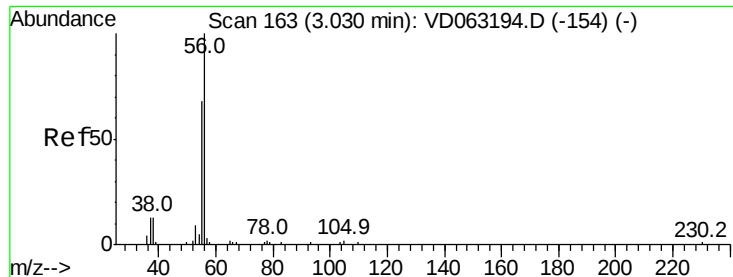


#12

1,1-Dichloroethene
Concen: 21.001 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Tgt Ion: 96 Resp: 168736
Ion Ratio Lower Upper
96 100
61 205.6 173.7 260.5
98 64.3 55.8 83.8





#13

Acrolein

Concen: 75.263 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

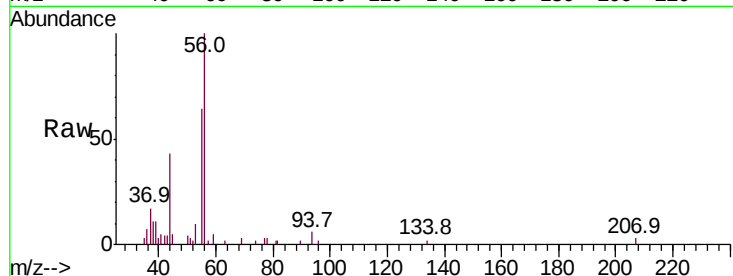
VD0805SBS01

Tot Ion: 56 Resp: 36536

Ion Ratio Lower Upper

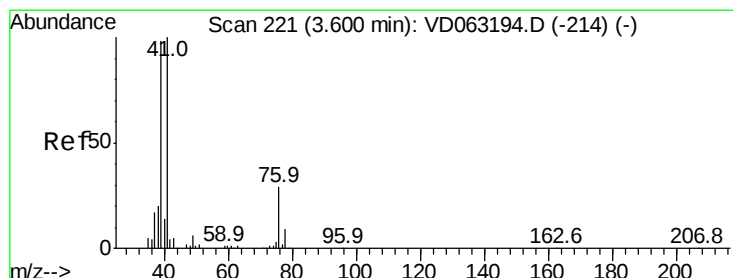
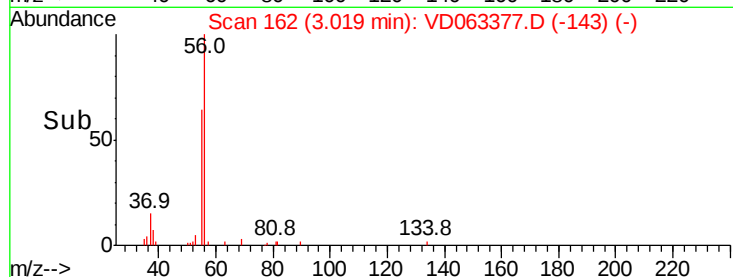
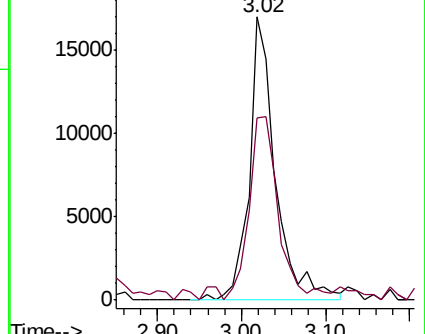
56 100

55 64.2 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.374 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

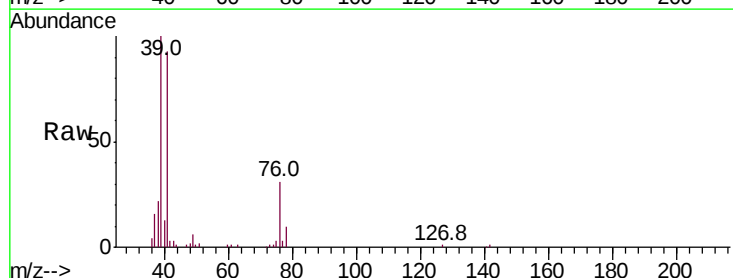
Tgt Ion: 41 Resp: 273572

Ion Ratio Lower Upper

41 100

39 107.2 78.6 117.8

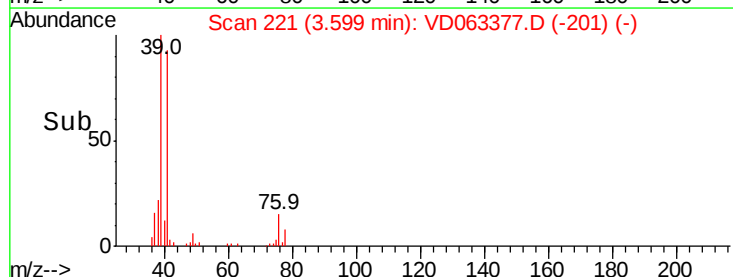
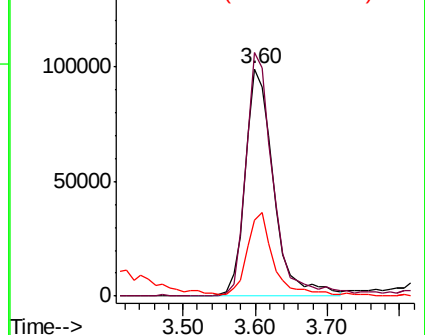
76 33.3 24.5 36.7

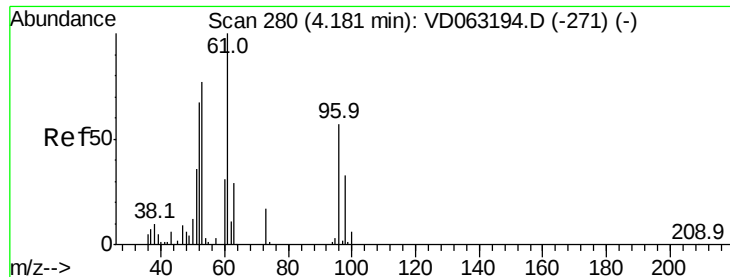


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 101.306 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

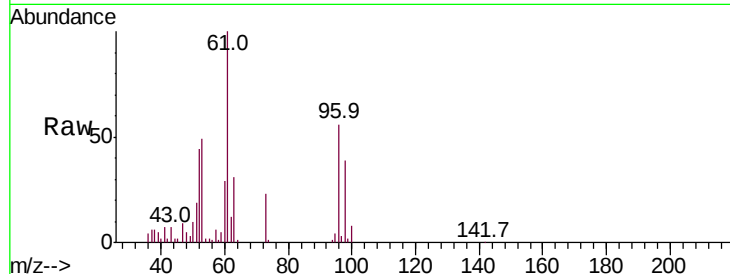
Tot Ion: 53 Resp: 132480

Ion Ratio Lower Upper

53 100

52 89.5 69.7 104.5

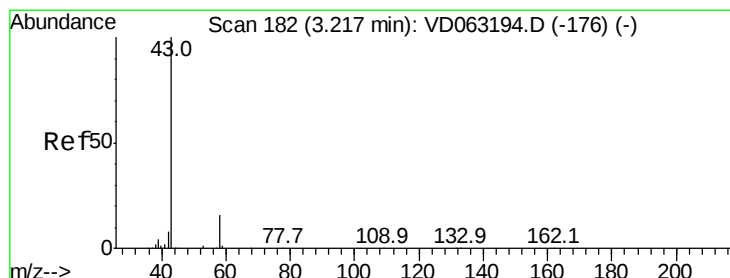
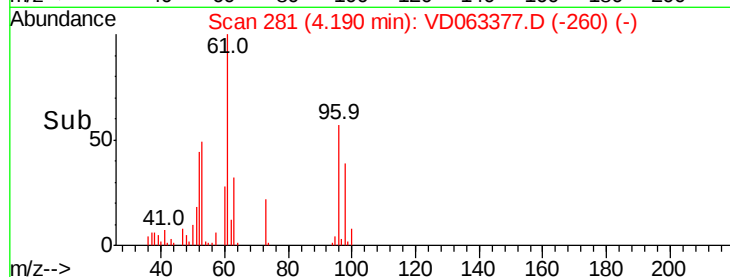
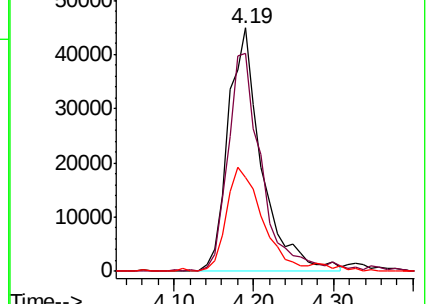
51 38.4 37.4 56.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 100.812 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063377.D

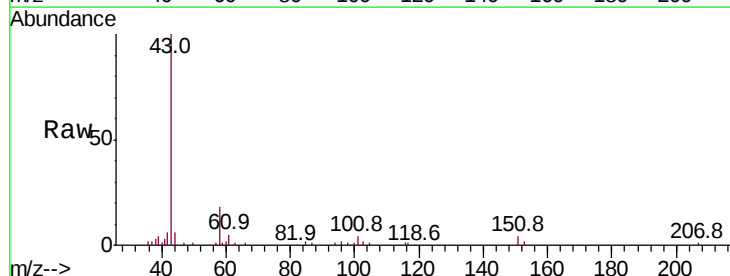
Acq: 5 Aug 2019 13:39

Tgt Ion: 43 Resp: 225765

Ion Ratio Lower Upper

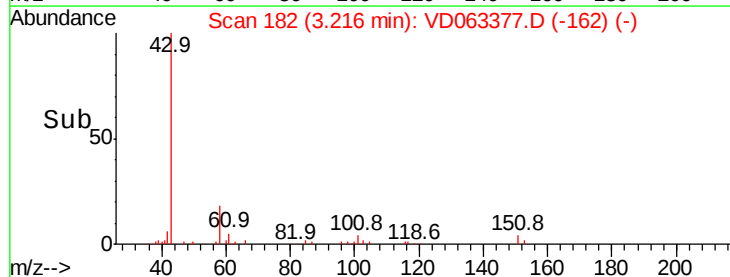
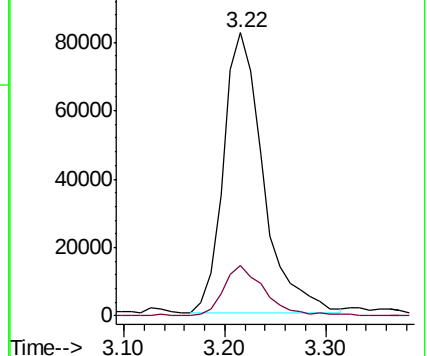
43 100

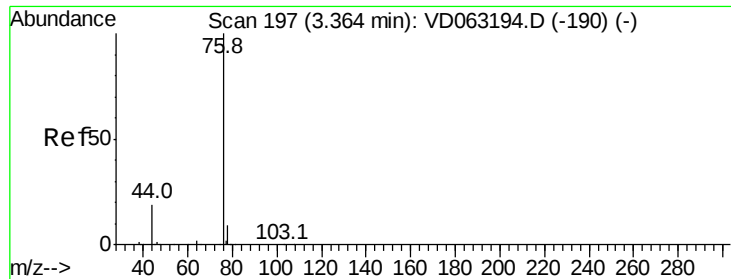
58 17.8 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

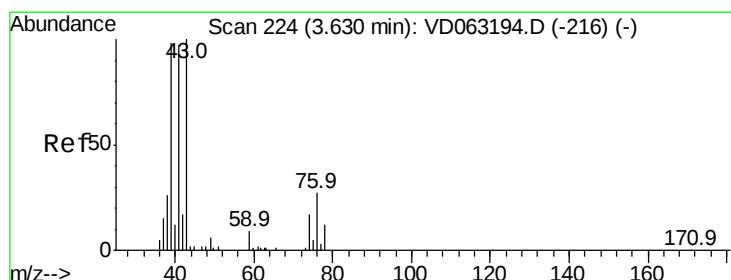
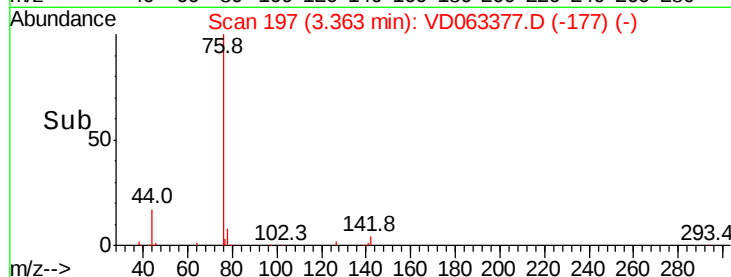
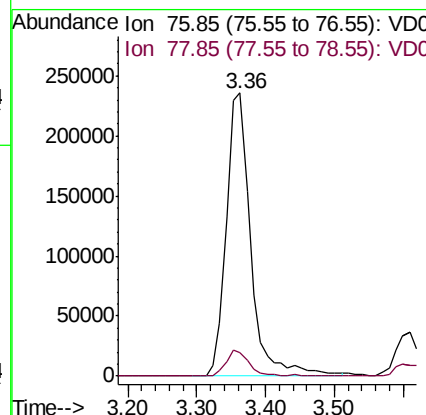
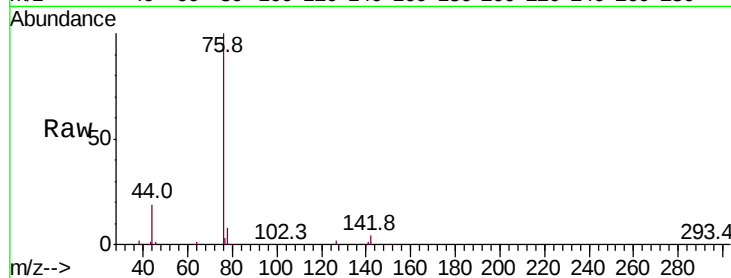




#17
Carbon Disulfide
Concen: 21.594 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

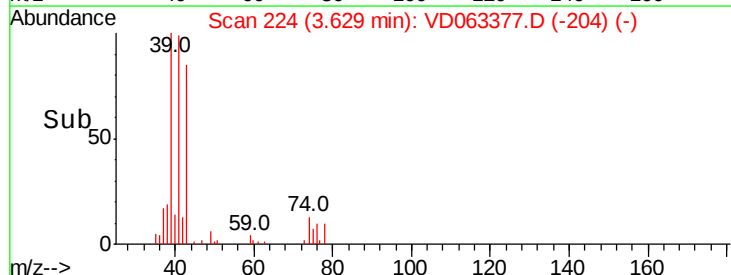
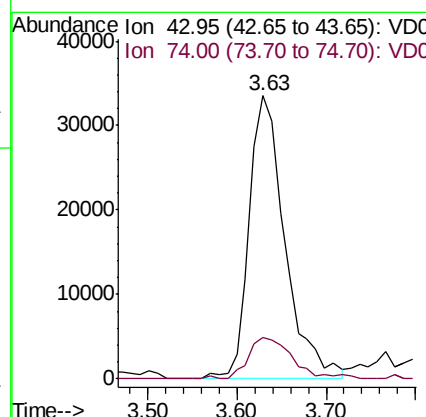
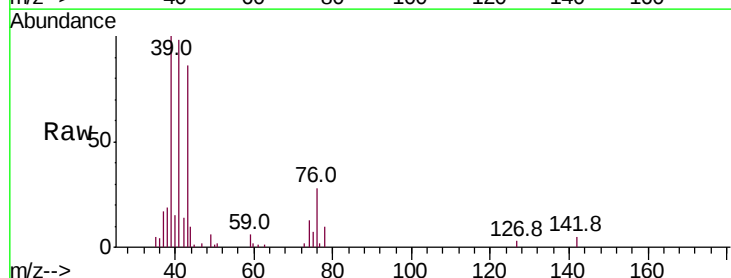
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBS01

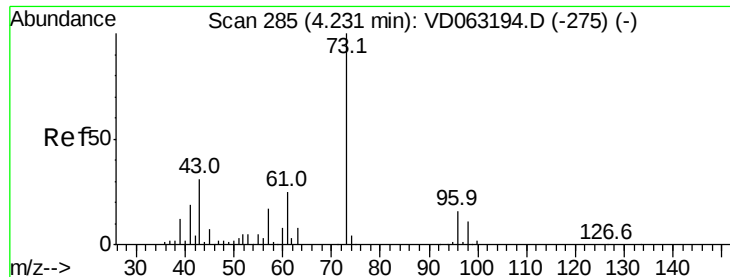
Tot Ion: 76 Resp: 580705
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#18
Methyl Acetate
Concen: 21.681 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Tgt Ion: 43 Resp: 93264
Ion Ratio Lower Upper
43 100
74 14.7 13.8 20.8



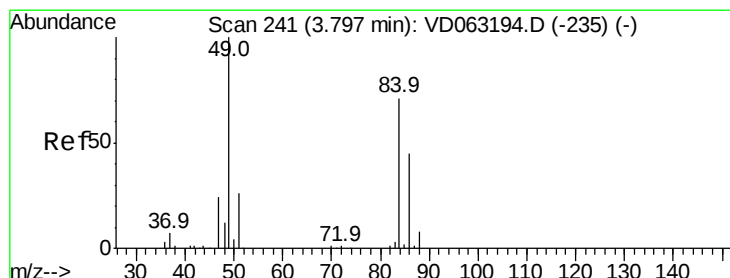
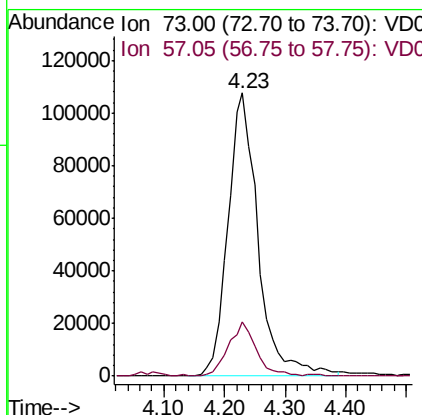
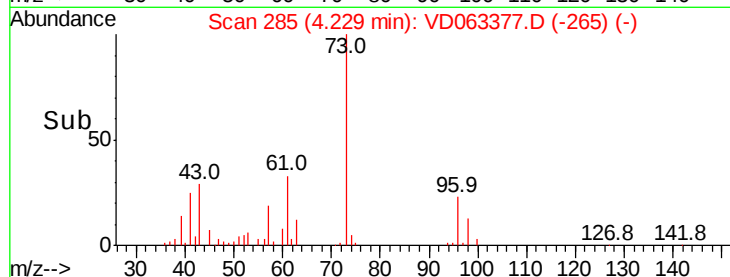
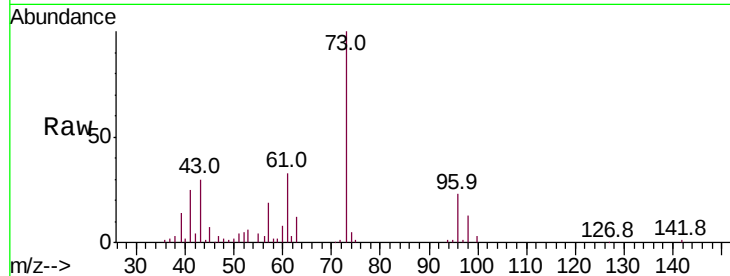


#19

Methyl tert-butyl Ether
 Concen: 20.573 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.00 min
 Lab File: VD063377.D
 Acq: 5 Aug 2019 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBS01

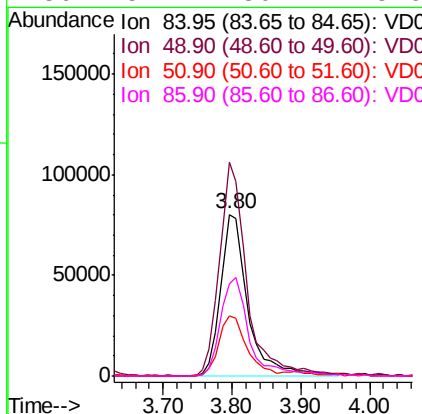
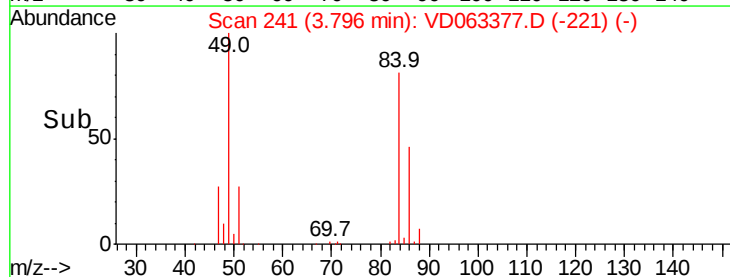
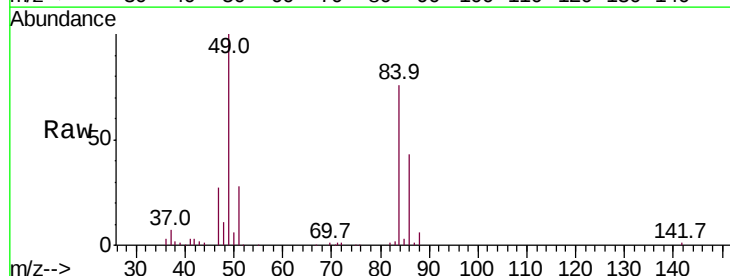
Tot Ion: 73 Resp: 373382
 Ion Ratio Lower Upper
 73 100
 57 19.4 13.8 20.6

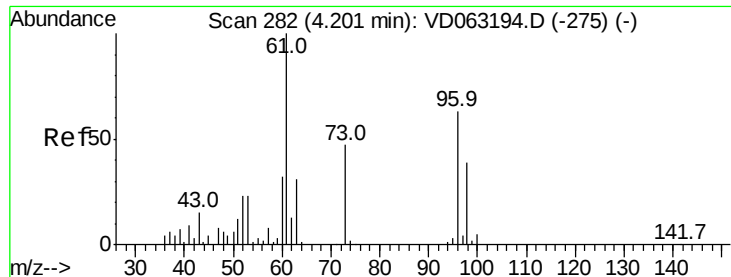


#20

Methylene Chloride
 Concen: 24.443 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VD063377.D
 Acq: 5 Aug 2019 13:39

Tgt Ion: 84 Resp: 221265
 Ion Ratio Lower Upper
 84 100
 49 132.0 112.5 168.7
 51 37.0 29.6 44.4
 86 57.2 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 21.415 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

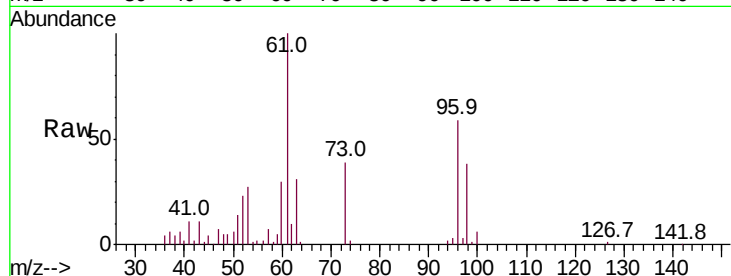
Tot Ion: 96 Resp: 193055

Ion Ratio Lower Upper

96 100

61 169.9 127.4 191.2

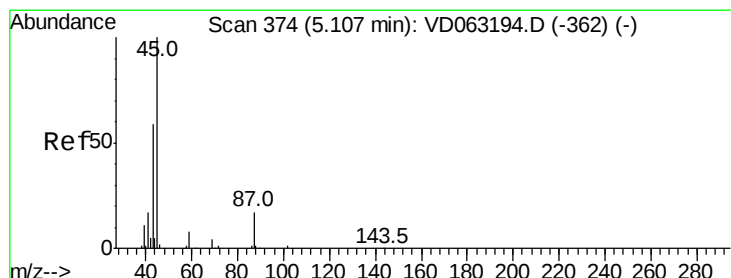
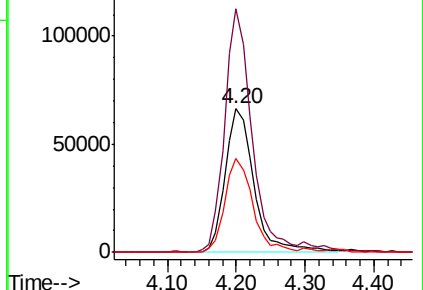
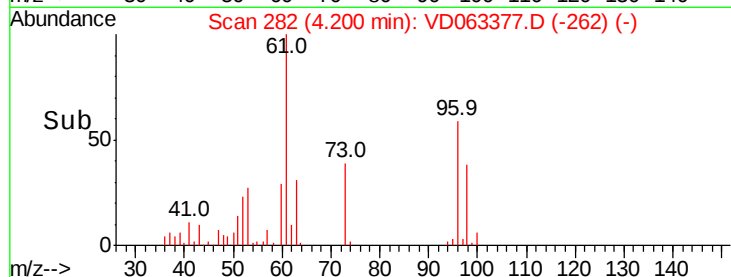
98 65.1 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.998 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Tgt Ion: 45 Resp: 562534

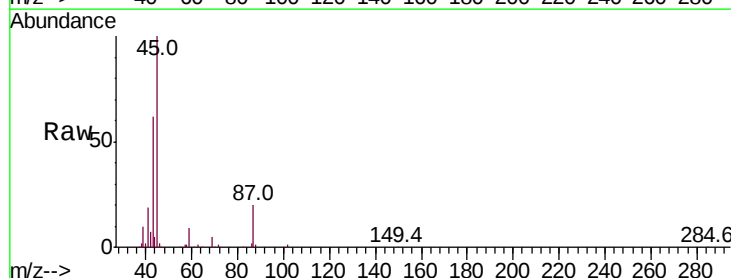
Ion Ratio Lower Upper

45 100

43 62.5 51.7 77.5

87 19.8 14.6 21.8

59 9.2 6.6 10.0

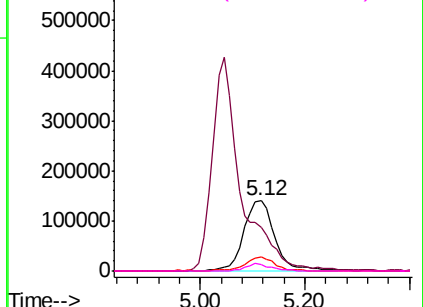
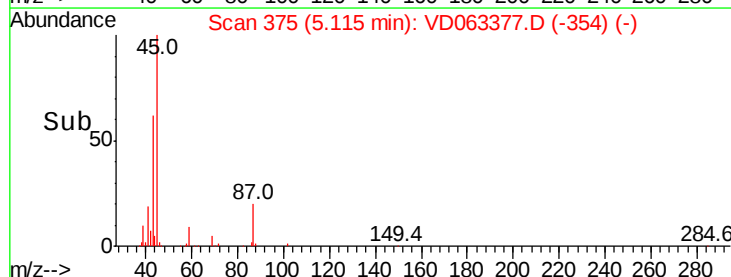


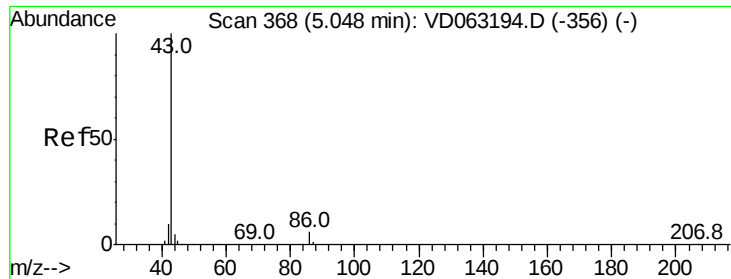
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

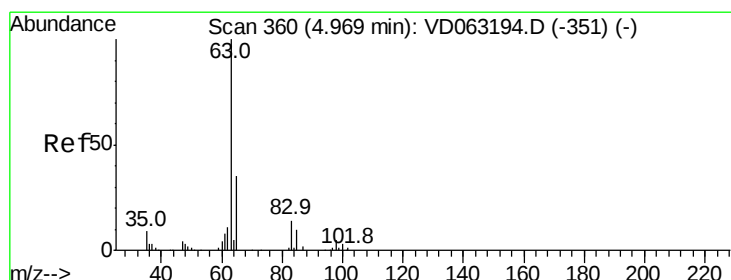
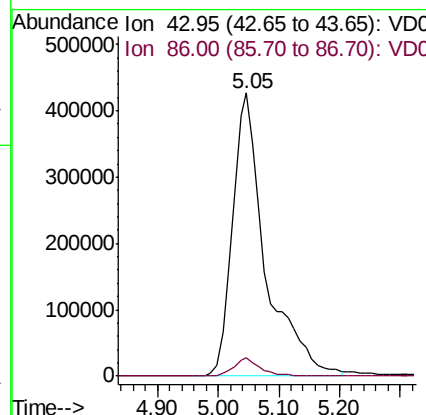
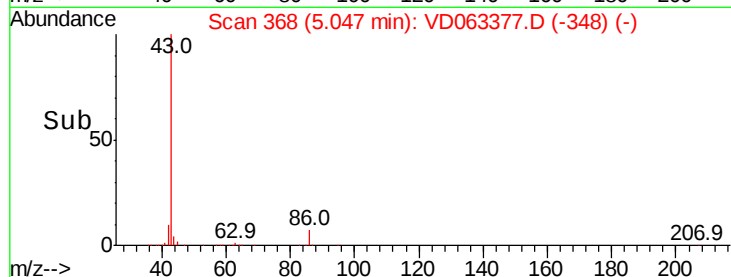
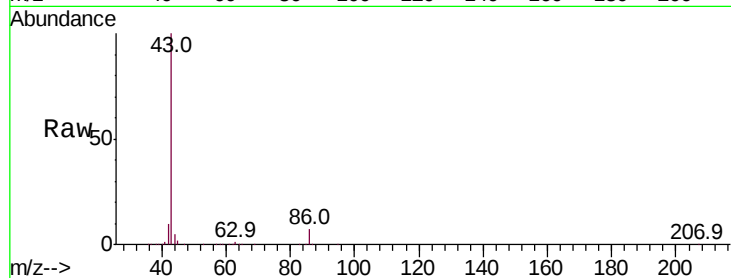




#23
 Vinyl Acetate
 Concen: 102.725 ug/l
 RT: 5.05 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VD063377.D
 Acq: 5 Aug 2019 13:39

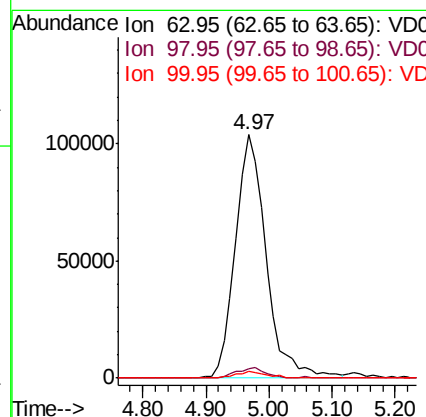
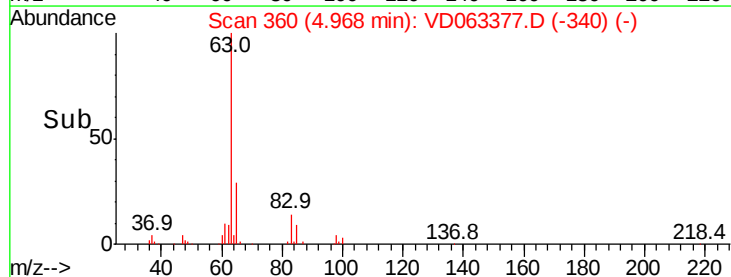
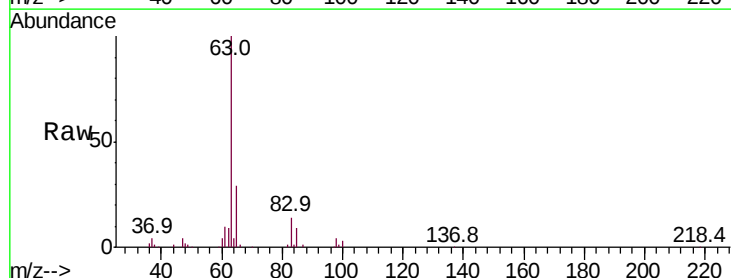
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBS01

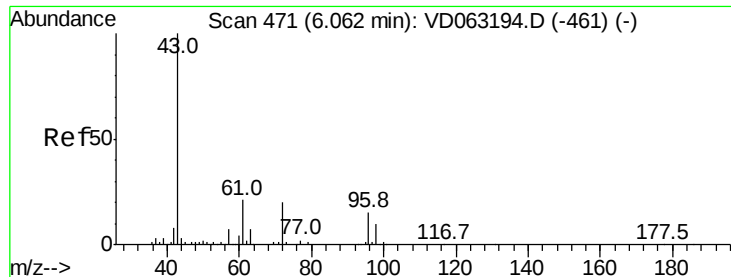
Tot Ion: 43 Resp: 1614724
 Ion Ratio Lower Upper
 43 100
 86 6.5 4.9 7.3



#24
 1,1-Dichloroethane
 Concen: 21.611 ug/l
 RT: 4.97 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VD063377.D
 Acq: 5 Aug 2019 13:39

Tgt Ion: 63 Resp: 352988
 Ion Ratio Lower Upper
 63 100
 98 3.9 2.8 8.4
 100 2.7 1.3 3.9





#25

2-Butanone

Concen: 96.121 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

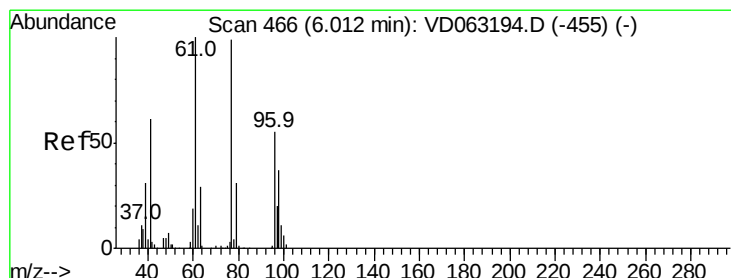
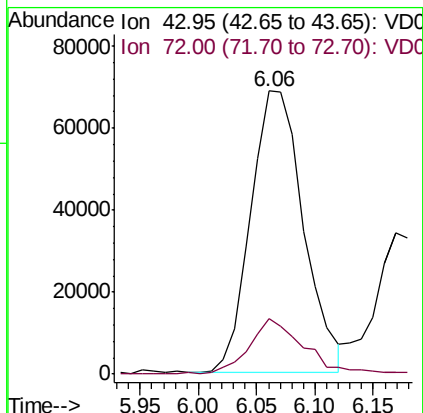
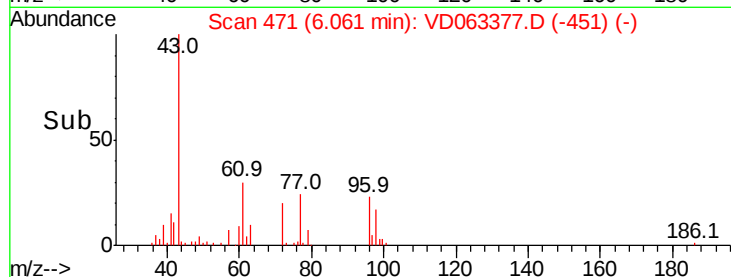
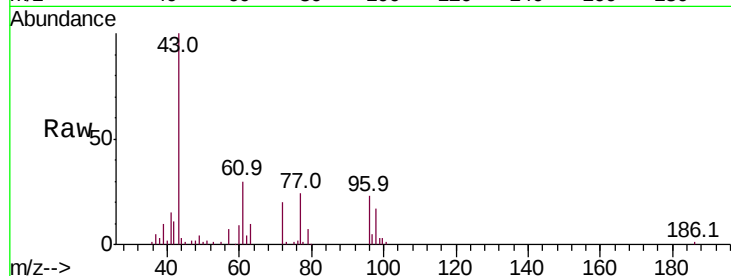
VD0805SBS01

Tot Ion: 43 Resp: 216031

Ion Ratio Lower Upper

43 100

72 19.7 16.3 24.5



#26

2,2-Dichloropropane

Concen: 21.300 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD063377.D

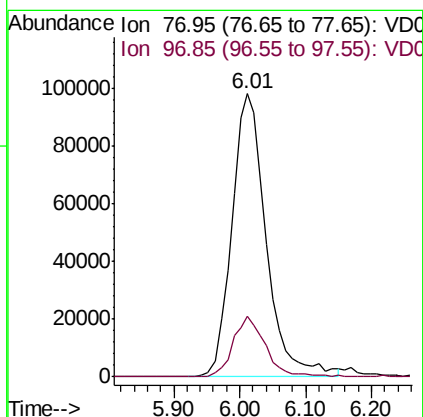
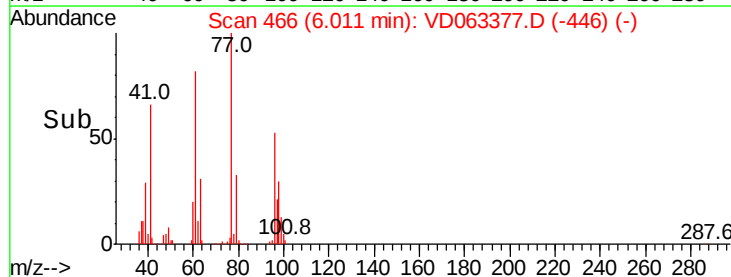
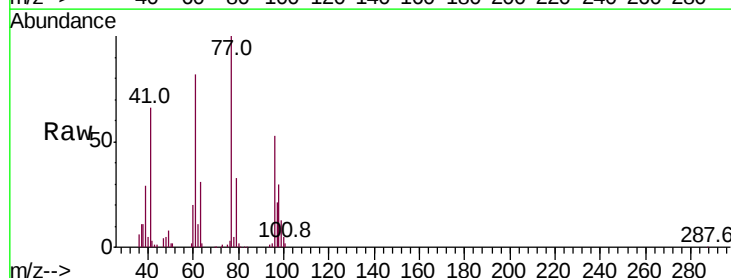
Acq: 5 Aug 2019 13:39

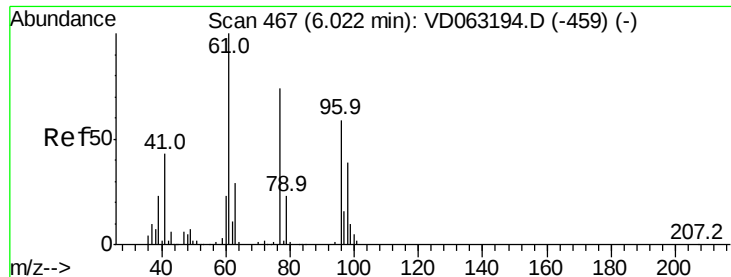
Tgt Ion: 77 Resp: 358535

Ion Ratio Lower Upper

77 100

97 21.5 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 21.337 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

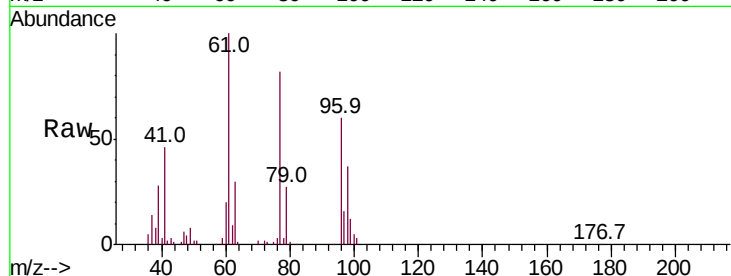
Tot Ion: 96 Resp: 206230

Ion Ratio Lower Upper

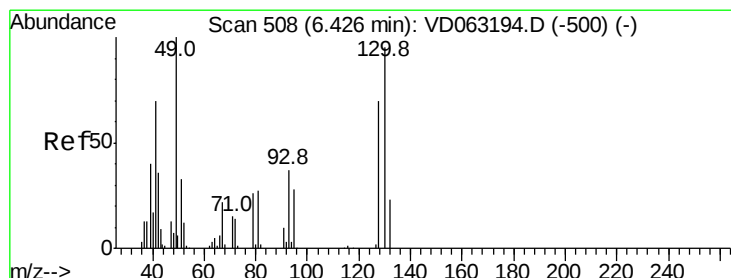
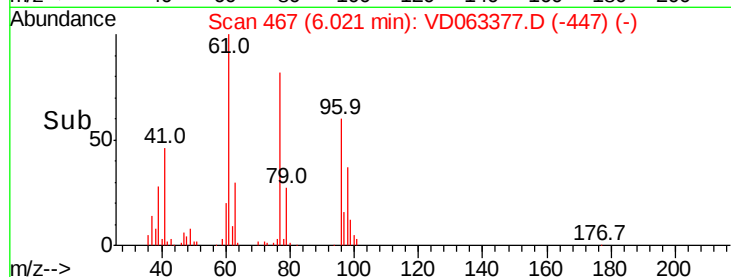
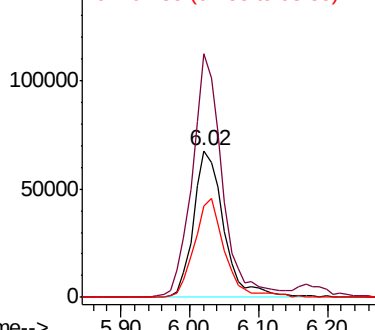
96 100

61 166.3 0.0 337.2

98 62.1 0.0 130.6



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



#28

Bromochloromethane

Concen: 18.075 ug/l

RT: 6.42 min Scan# 508

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

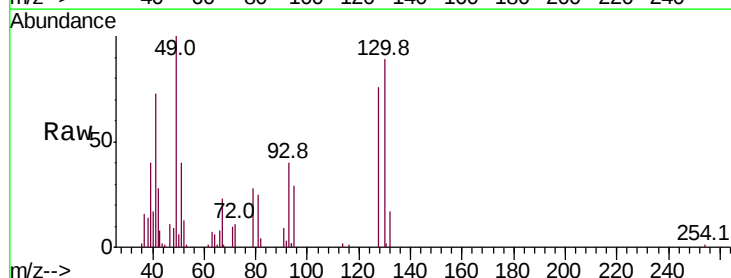
Tgt Ion: 49 Resp: 117633

Ion Ratio Lower Upper

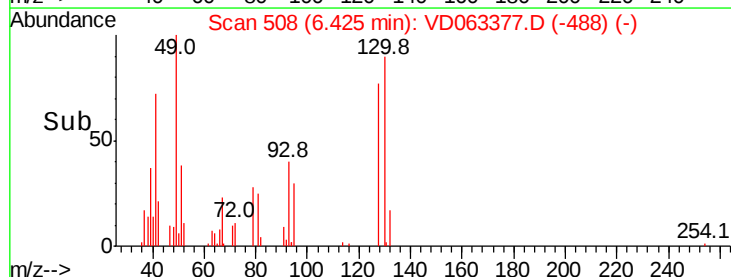
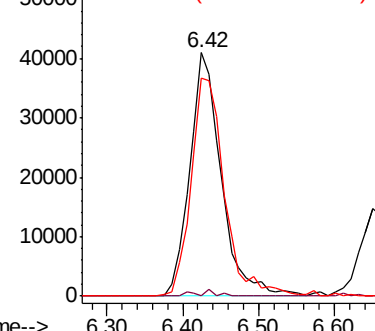
49 100

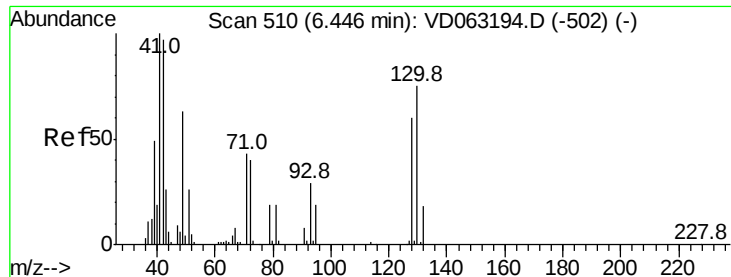
129 0.0 0.0 0.0

130 89.3 75.7 113.5



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

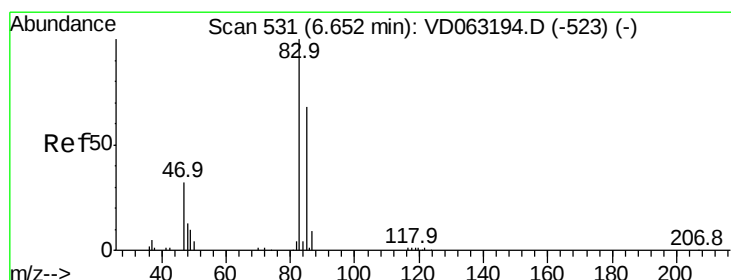
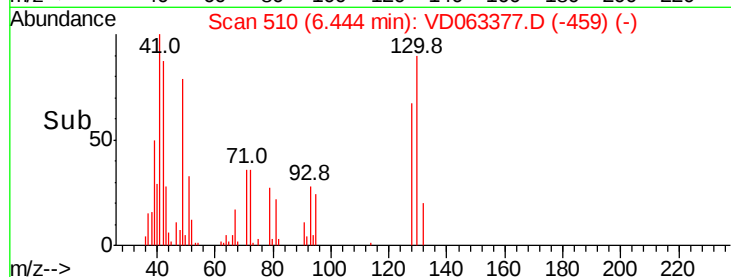
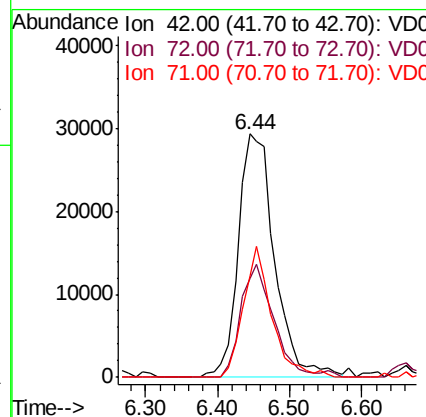
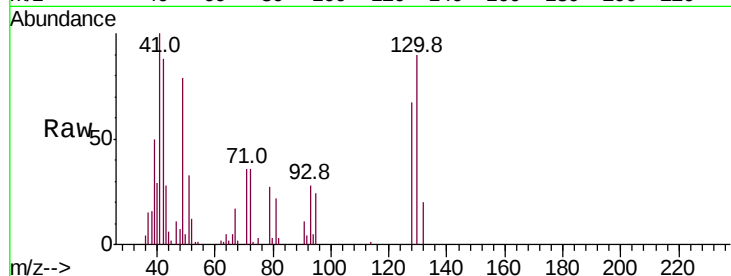




#29
Tetrahydrofuran
Concen: 96.763 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

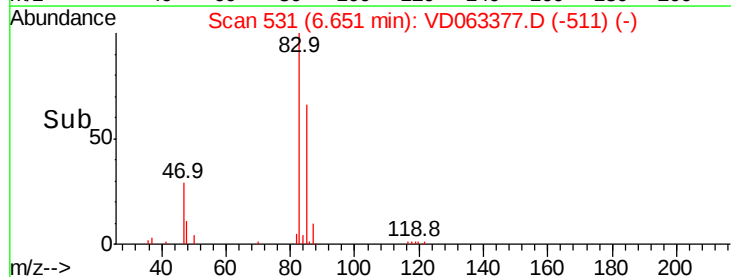
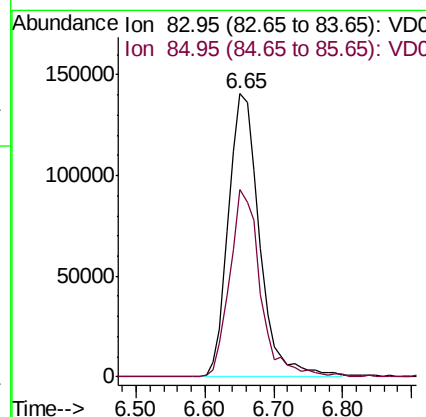
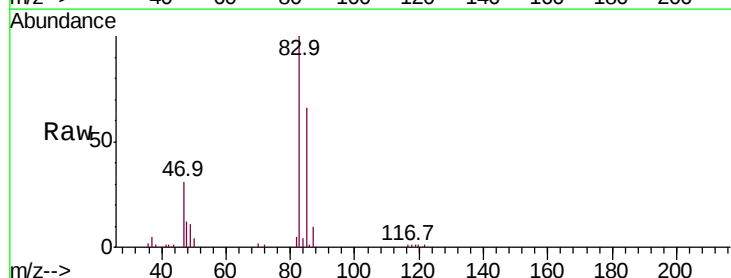
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBS01

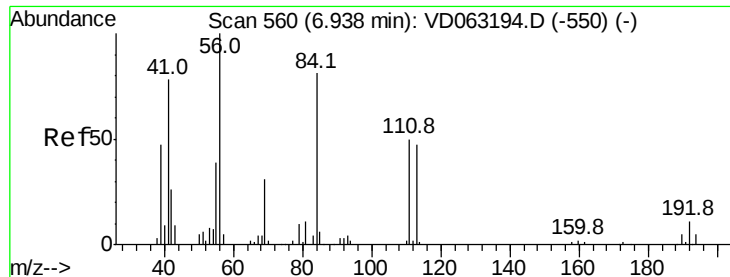
Tot Ion: 42 Resp: 102963
Ion Ratio Lower Upper
42 100
72 41.6 33.4 50.2
71 42.4 35.7 53.5



#30
Chloroform
Concen: 21.711 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Tgt Ion: 83 Resp: 440102
Ion Ratio Lower Upper
83 100
85 66.1 54.2 81.4

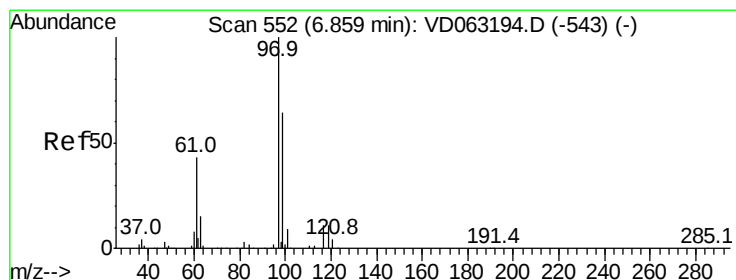
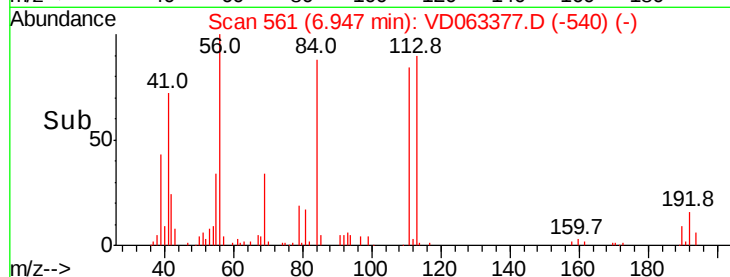
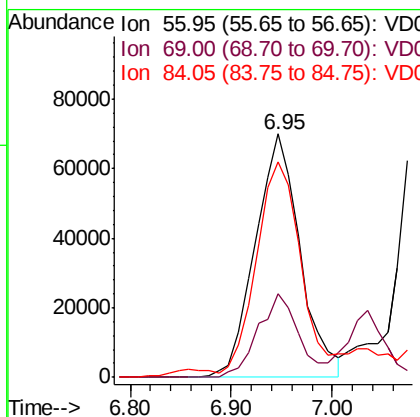
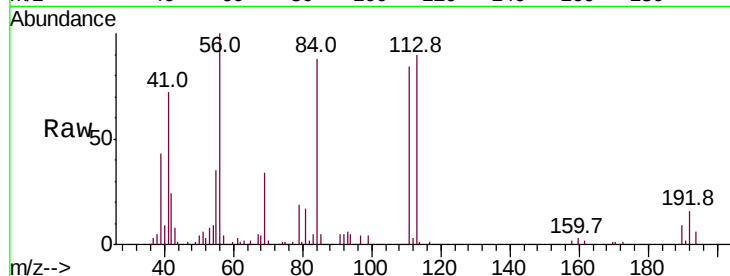




#31
Cyclohexane
Concen: 21.064 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

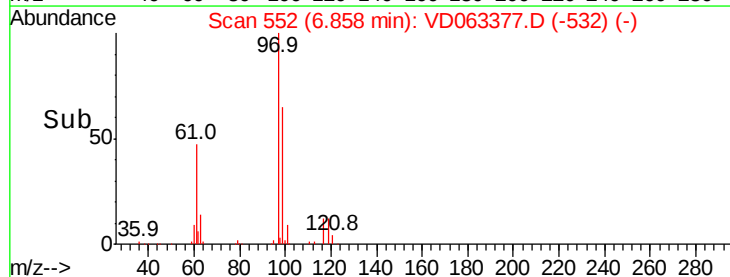
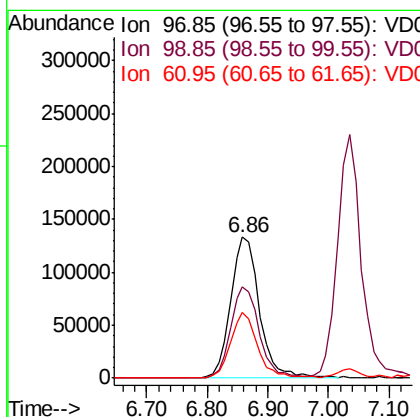
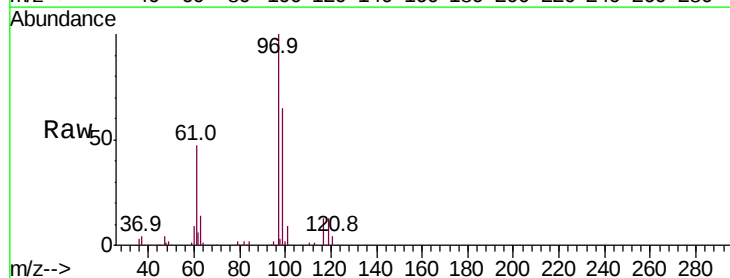
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBS01

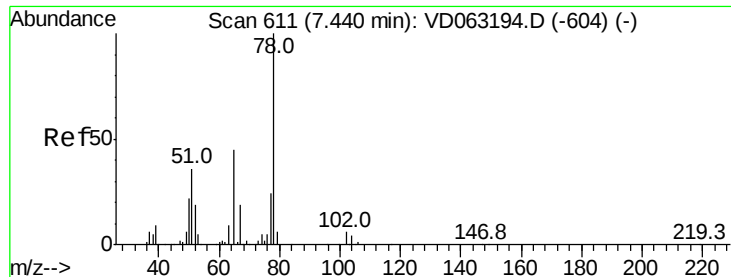
Tot Ion: 56 Resp: 215660
Ion Ratio Lower Upper
56 100
69 34.1 24.5 36.7
84 88.3 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 22.492 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Tgt Ion: 97 Resp: 441004
Ion Ratio Lower Upper
97 100
99 64.9 51.2 76.8
61 46.5 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 50.587 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

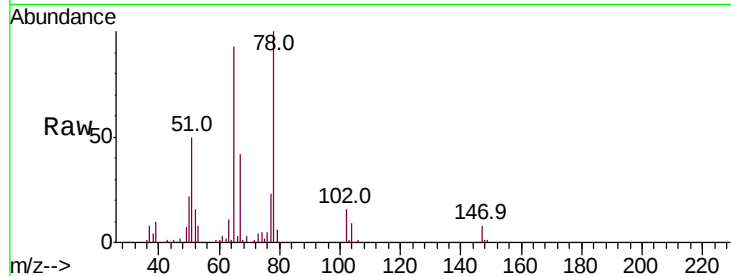
VD0805SBS01

Tot Ion: 65 Resp: 581442

Ion Ratio Lower Upper

65 100

67 45.0 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

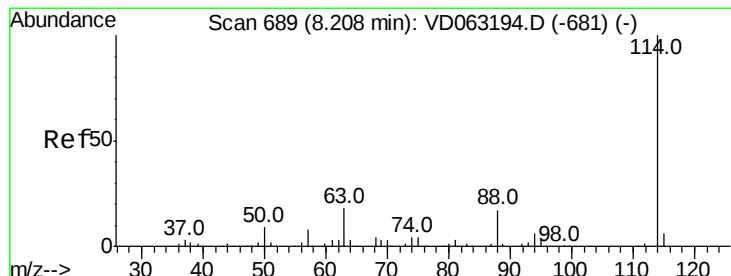
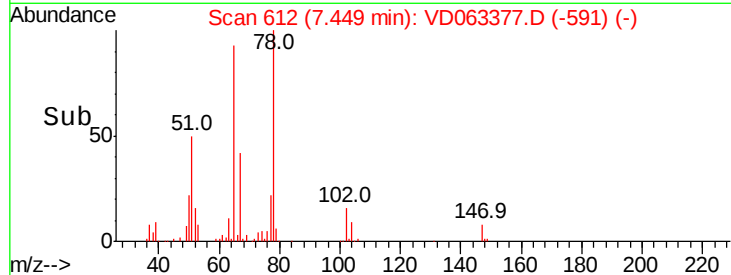
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

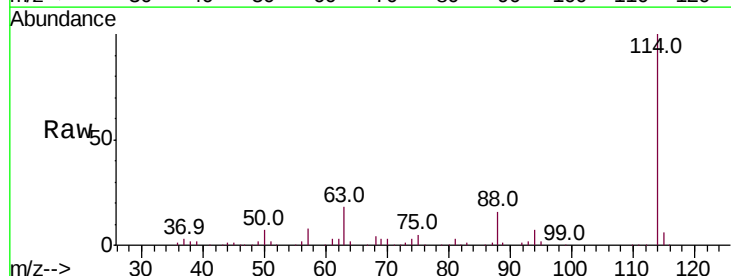
Tgt Ion: 114 Resp: 1481696

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.2

88 16.1 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

800000

600000

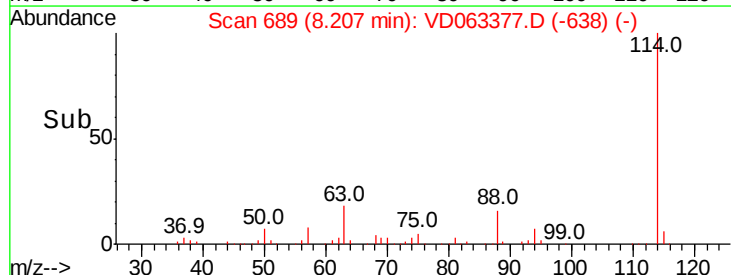
400000

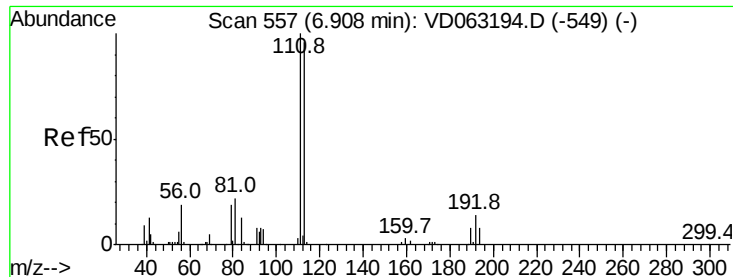
200000

0

8.10 8.20 8.30 8.40

Time-->





#35

Dibromofluoromethane

Concen: 50.921 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

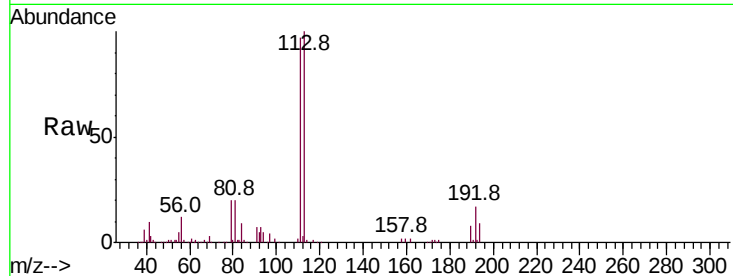
Tot Ion:113 Resp: 644178

Ion Ratio Lower Upper

113 100

111 97.4 83.2 124.8

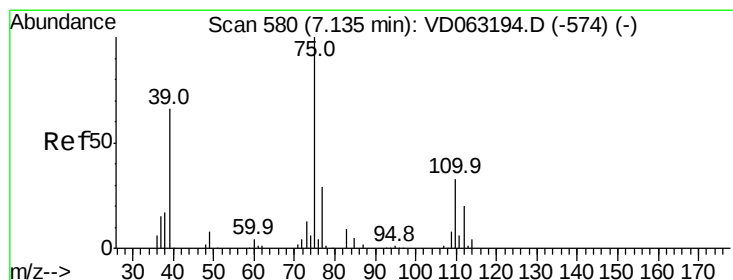
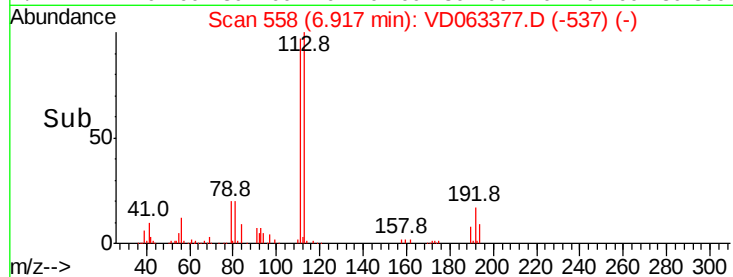
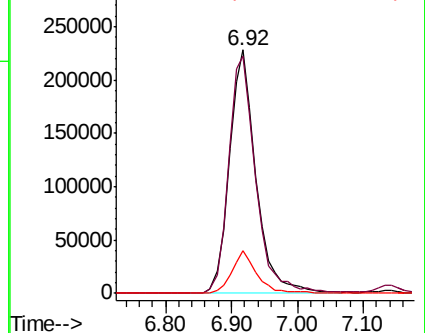
192 17.5 11.8 17.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.752 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

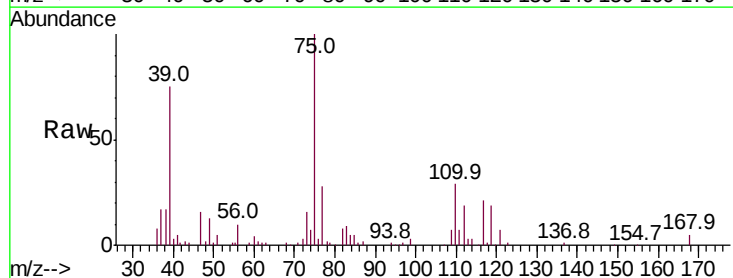
Tgt Ion: 75 Resp: 294140

Ion Ratio Lower Upper

75 100

110 29.1 16.1 48.2

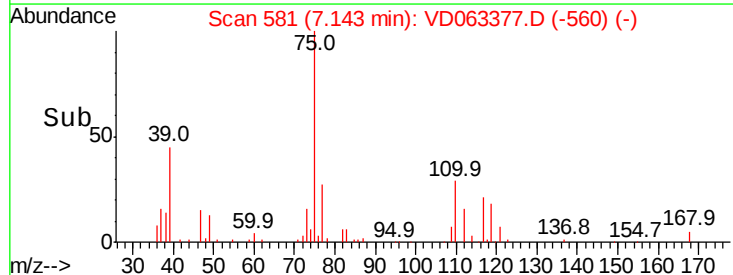
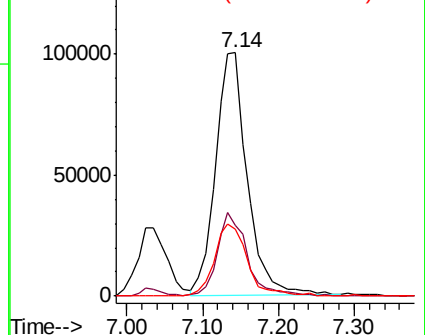
77 27.5 22.7 34.1

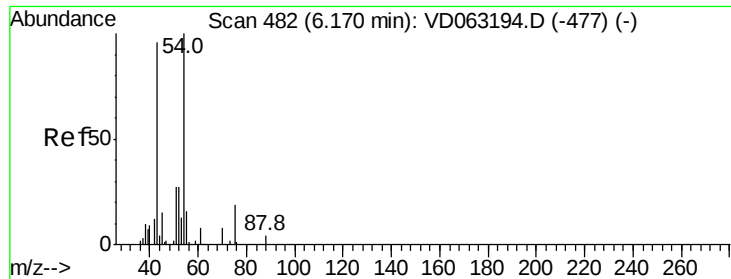


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 18.660 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

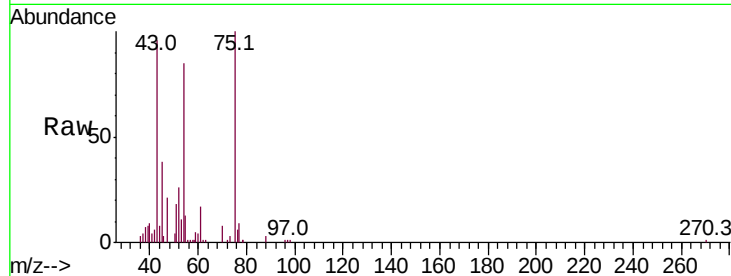
Tot Ion: 43 Resp: 113362

Ion Ratio Lower Upper

43 100

61 17.9 11.3 16.9#

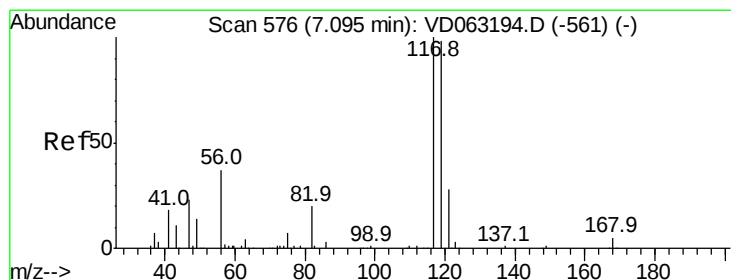
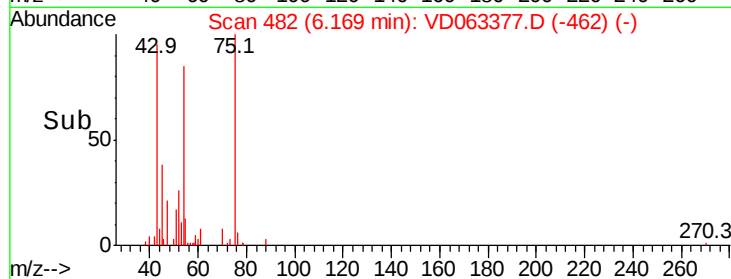
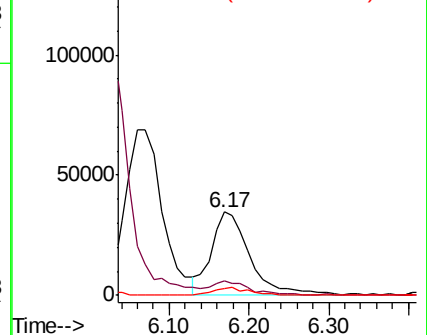
70 8.7 5.1 7.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 20.959 ug/l

RT: 7.10 min Scan# 577

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

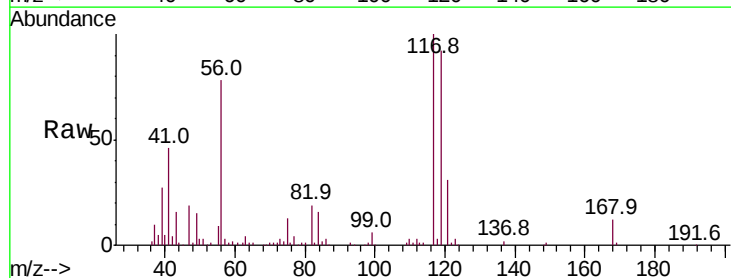
Tgt Ion: 117 Resp: 426672

Ion Ratio Lower Upper

117 100

119 92.0 78.2 117.2

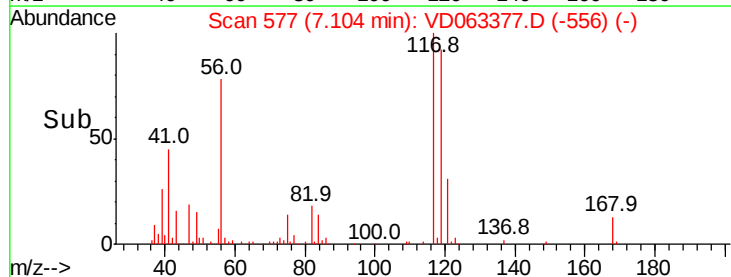
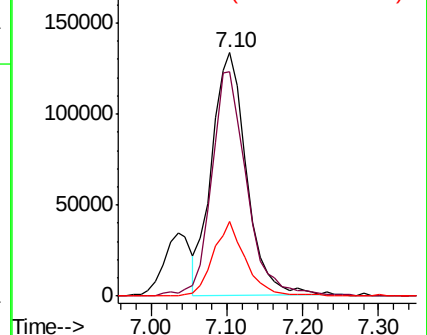
121 30.8 22.1 33.1

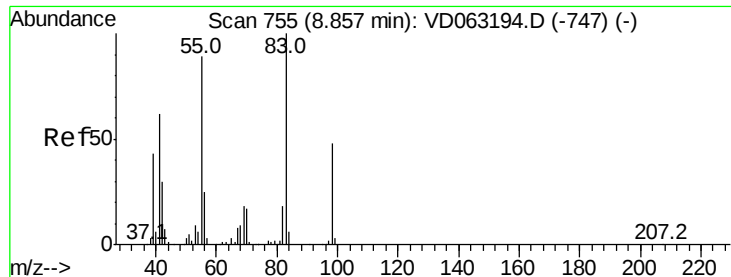


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 20.057 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

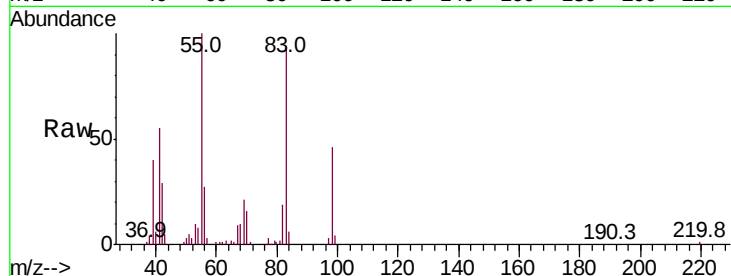
Tot Ion: 83 Resp: 225967

Ion Ratio Lower Upper

83 100

55 106.6 71.1 106.7

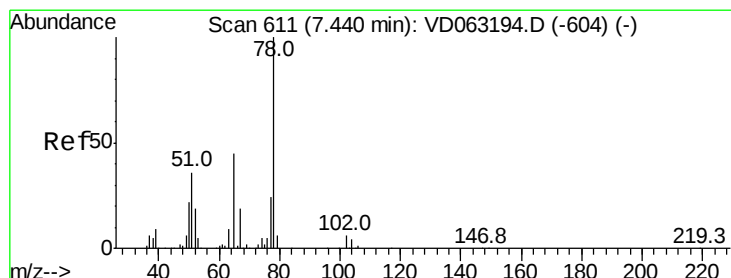
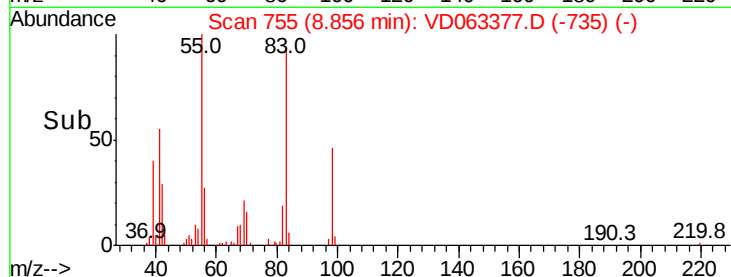
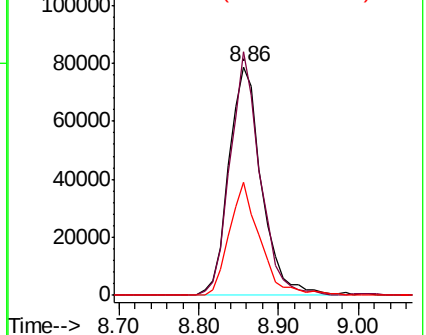
98 49.3 38.5 57.7



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 22.314 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063377.D

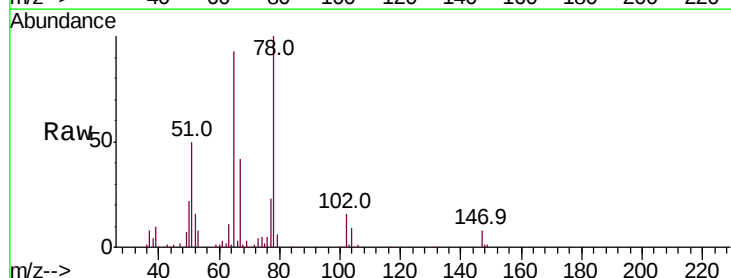
Acq: 5 Aug 2019 13:39

Tgt Ion: 78 Resp: 632399

Ion Ratio Lower Upper

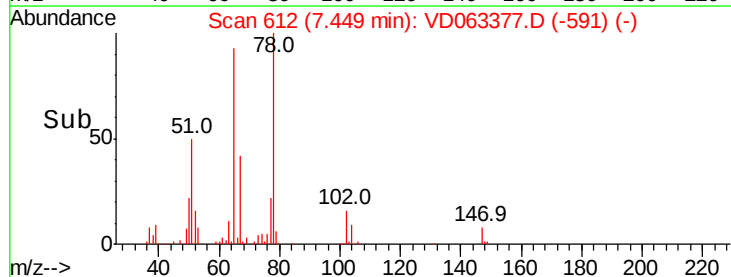
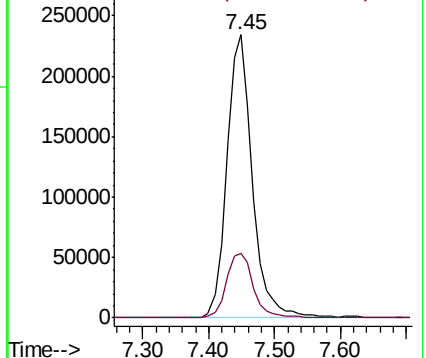
78 100

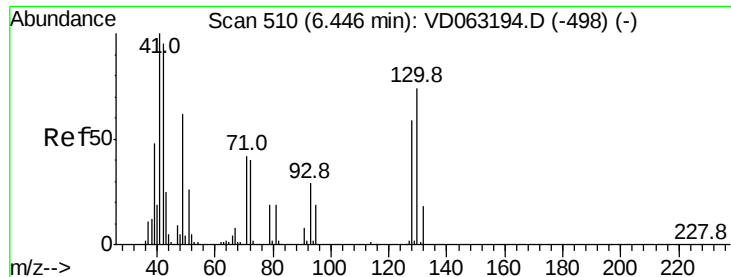
77 22.8 19.4 29.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 19.563 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

Tot Ion: 41 Resp: 142166

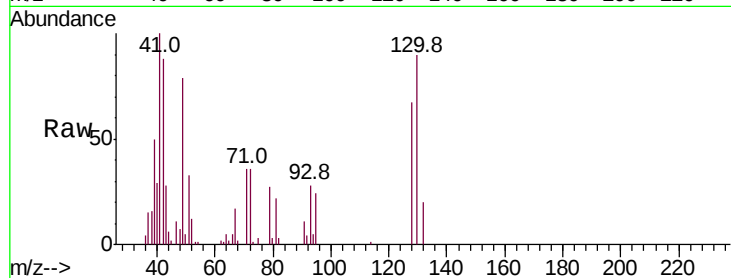
Ion Ratio Lower Upper

41 100

39 50.4 38.4 57.6

67 16.7 6.7 10.1#

52 12.2 4.3 6.5#

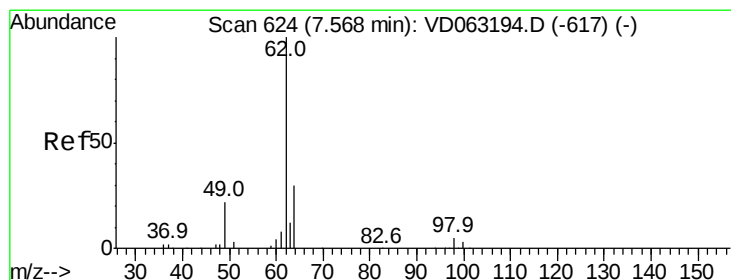
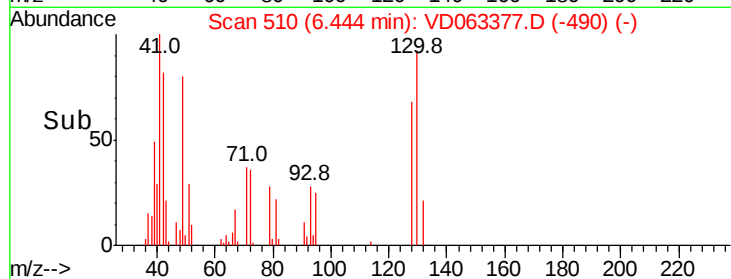
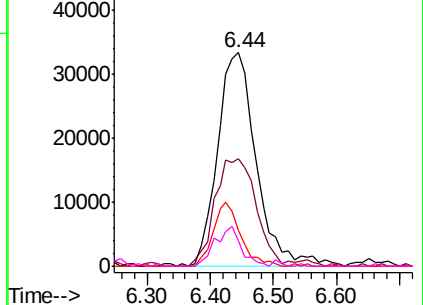


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.008 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.00 min

Lab File: VD063377.D

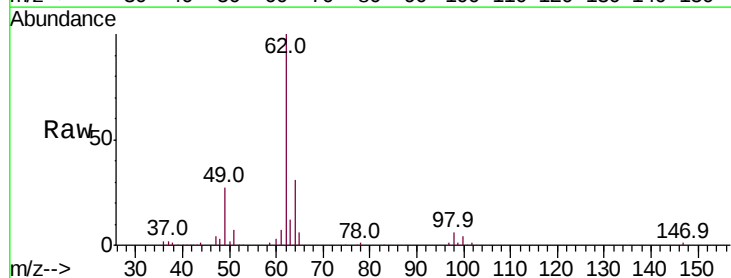
Acq: 5 Aug 2019 13:39

Tgt Ion: 62 Resp: 300508

Ion Ratio Lower Upper

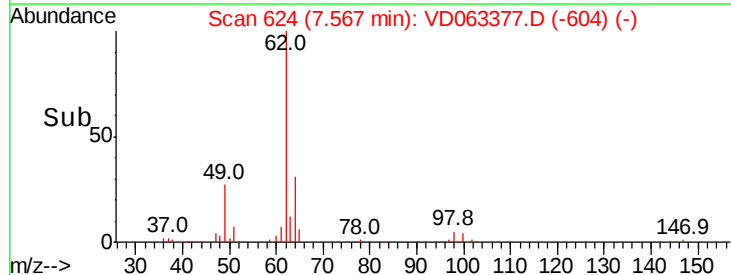
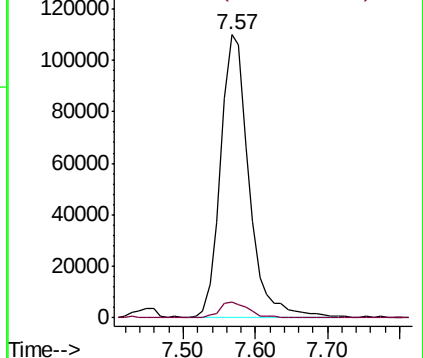
62 100

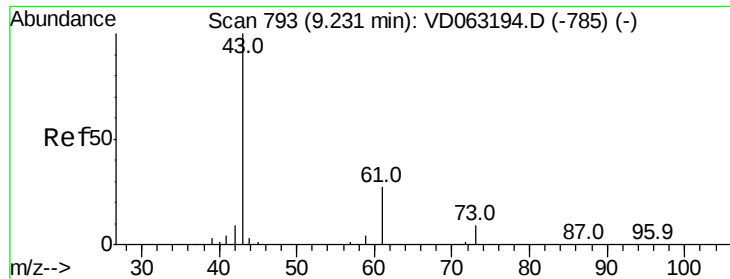
98 5.6 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



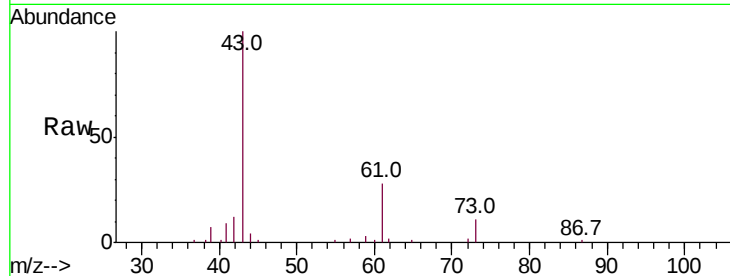


#43

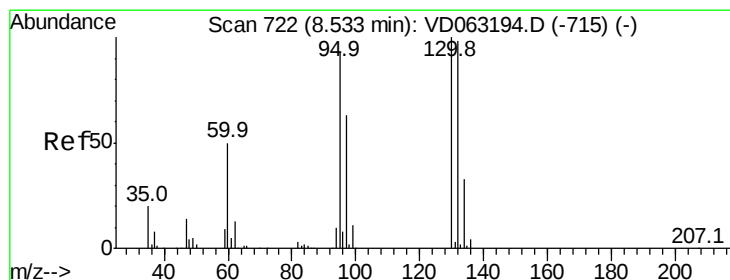
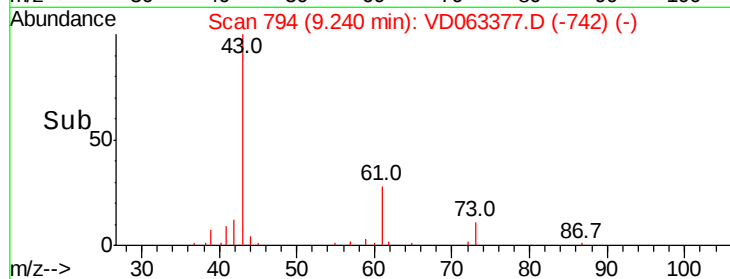
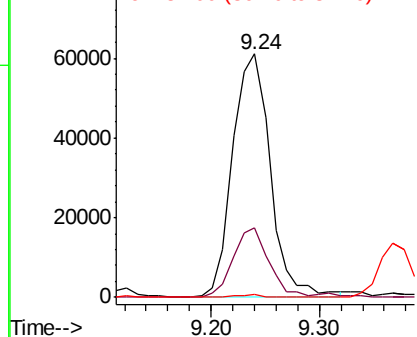
Isopropyl Acetate
 Concen: 19.145 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VD063377.D
 Acq: 5 Aug 2019 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBS01

Tot Ion: 43 Resp: 148570
 Ion Ratio Lower Upper
 43 100
 61 28.4 21.4 32.0
 87 1.1 0.2 0.4#



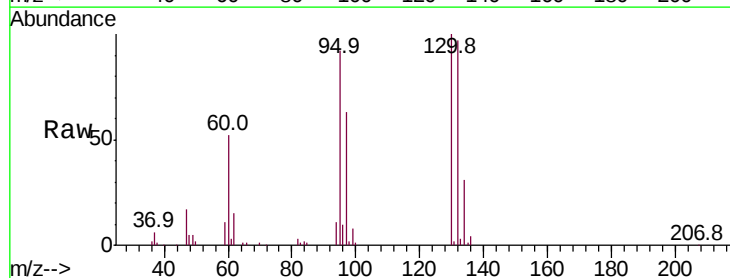
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



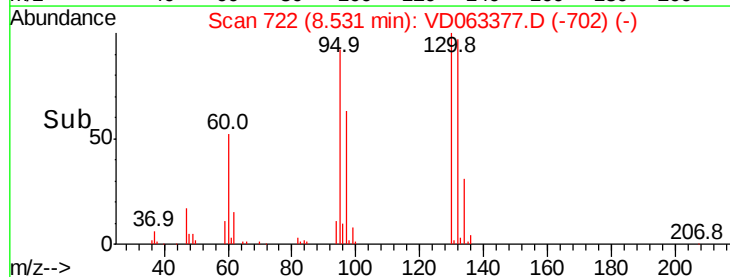
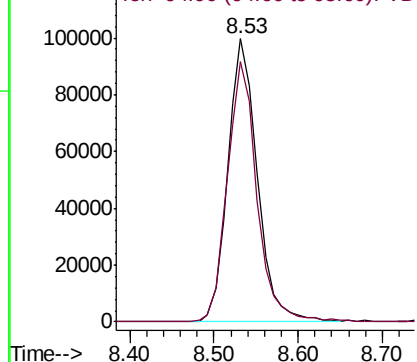
#44

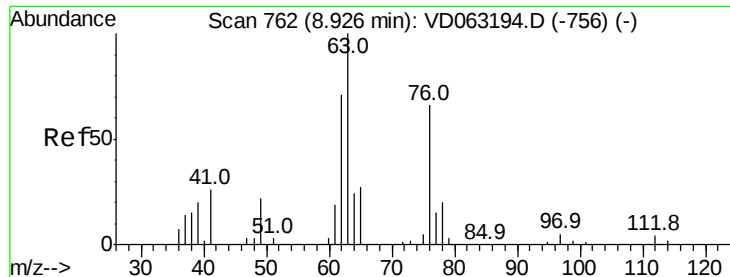
Trichloroethene
 Concen: 21.090 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VD063377.D
 Acq: 5 Aug 2019 13:39

Tgt Ion:130 Resp: 242199
 Ion Ratio Lower Upper
 130 100
 95 92.1 0.0 185.4



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





#45

1,2-Dichloropropane

Concen: 20.892 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

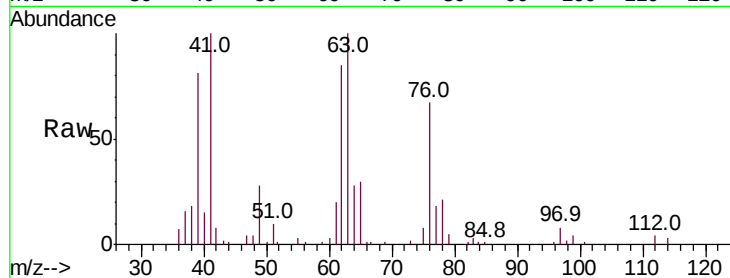
VD0805SBS01

Tot Ion: 63 Resp: 150491

Ion Ratio Lower Upper

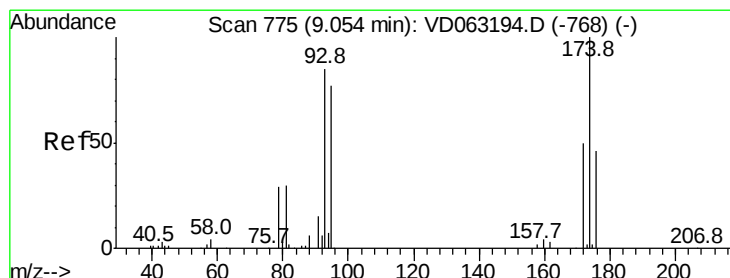
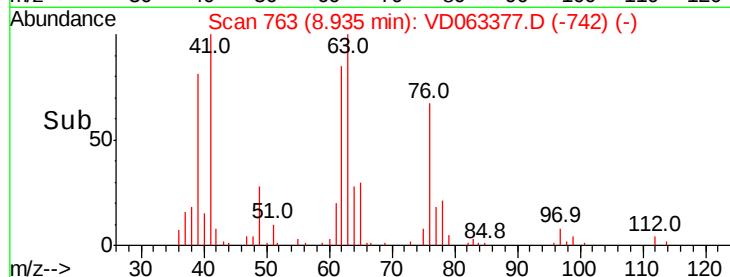
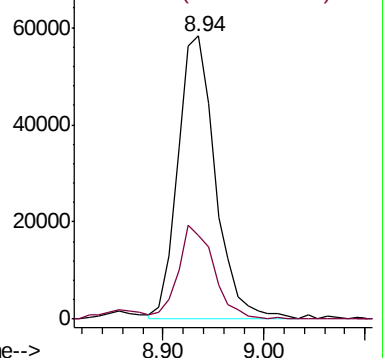
63 100

65 29.8 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.254 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

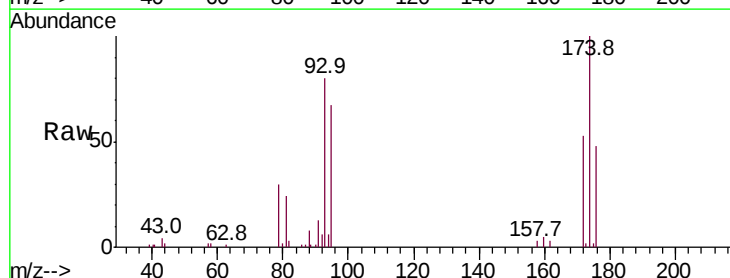
Tgt Ion: 93 Resp: 121313

Ion Ratio Lower Upper

93 100

95 83.7 72.8 109.2

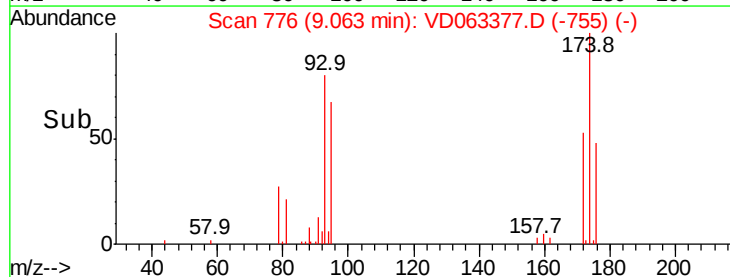
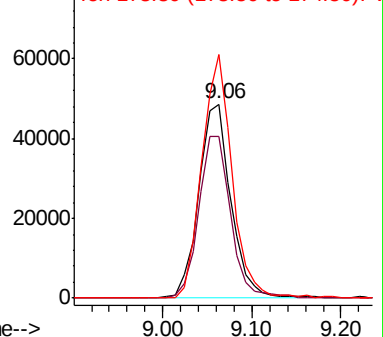
174 125.6 94.4 141.6

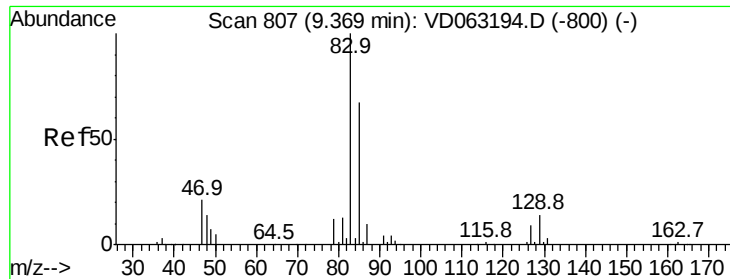


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.944 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

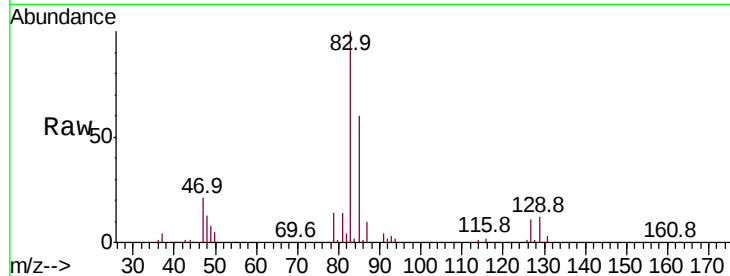
Tot Ion: 83 Resp: 319773

Ion Ratio Lower Upper

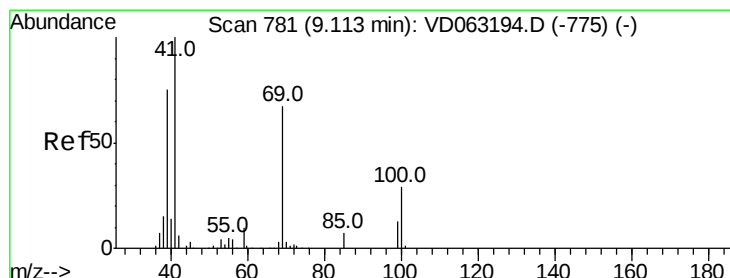
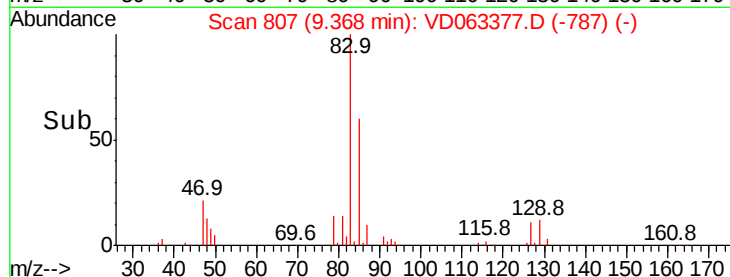
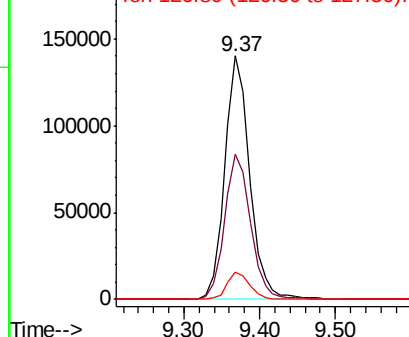
83 100

85 59.7 53.6 80.4

127 11.2 7.2 10.8#



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 18.826 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

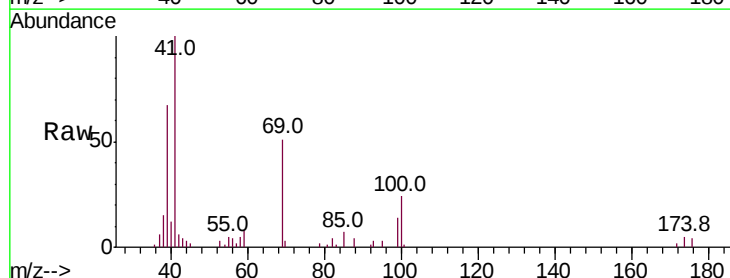
Tgt Ion: 41 Resp: 94750

Ion Ratio Lower Upper

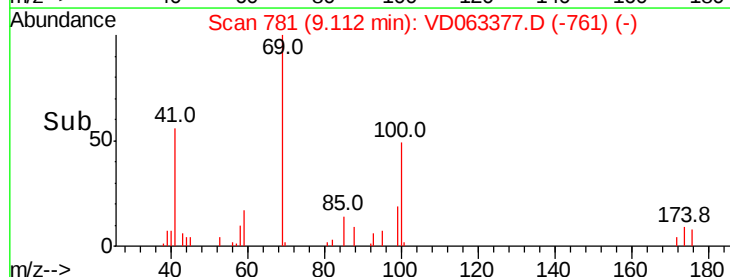
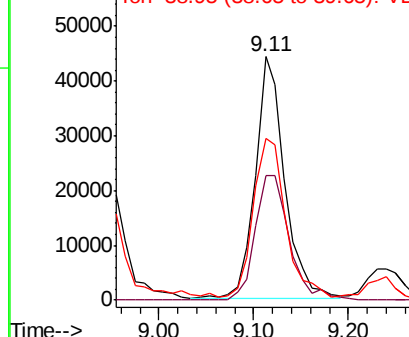
41 100

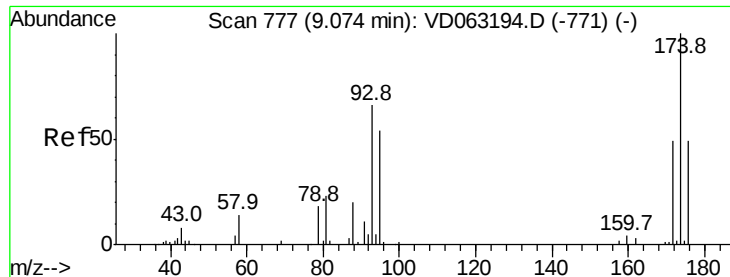
69 51.3 53.4 80.0#

39 66.5 60.3 90.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

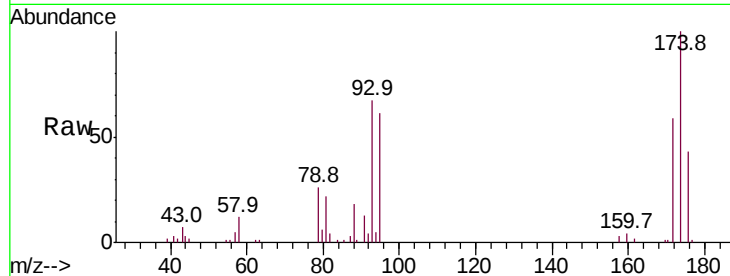




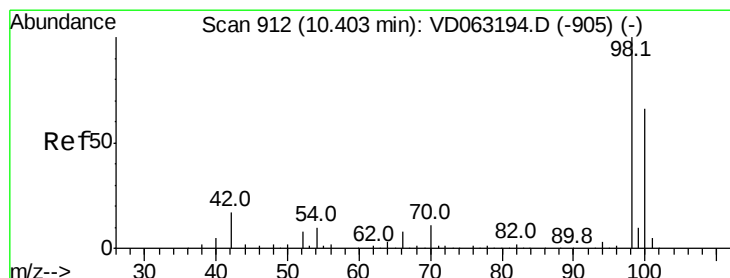
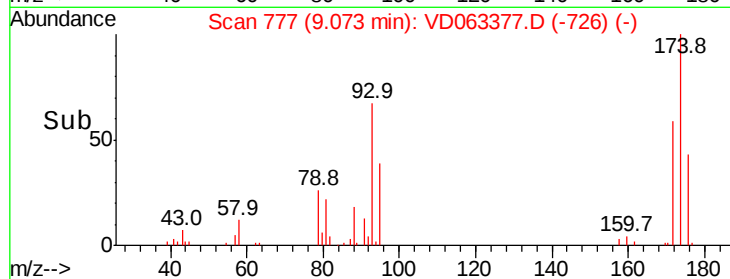
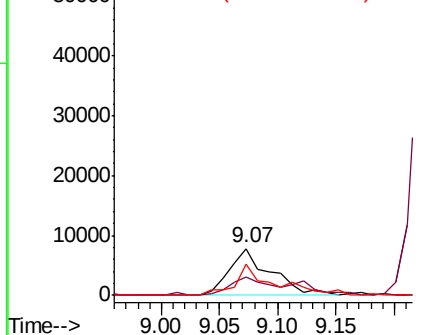
#49
1,4-Dioxane
Concen: 450.251 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0805SBS01

Tot Ion: 88 Resp: 19293
Ion Ratio Lower Upper
88 100
43 38.5 30.7 46.1
58 67.2 56.5 84.7

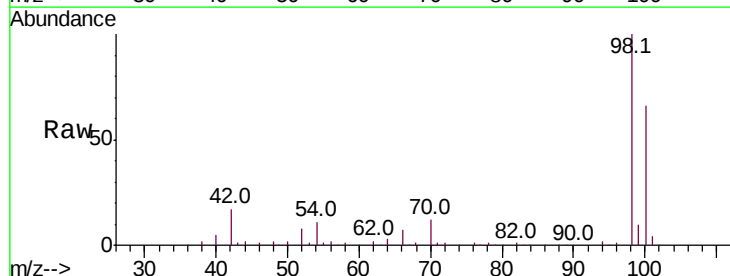


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

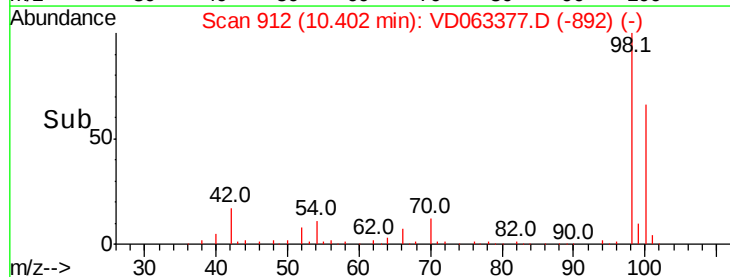
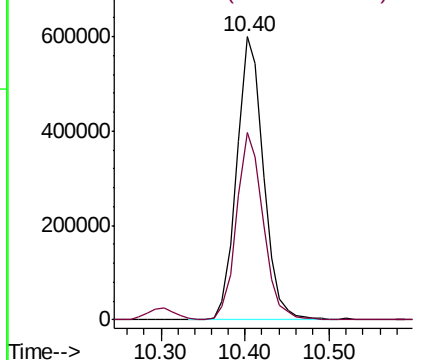


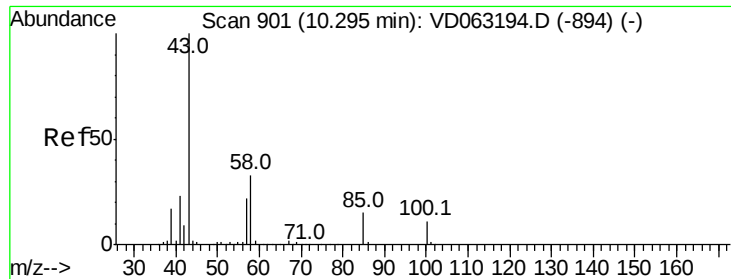
#50
Toluene-d8
Concen: 46.931 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Tgt Ion: 98 Resp: 1328711
Ion Ratio Lower Upper
98 100
100 66.0 53.2 79.8



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





#51

4-Methyl-2-Pentanone

Concen: 103.143 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

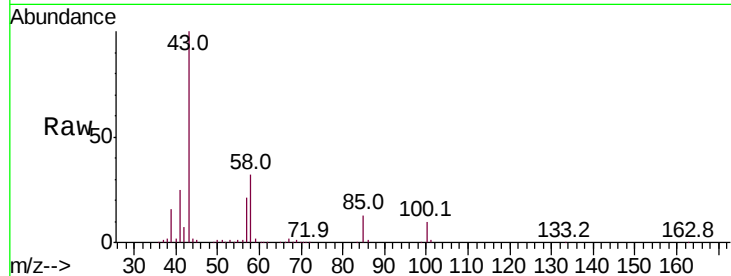
VD0805SBS01

Tot Ion: 43 Resp: 544347

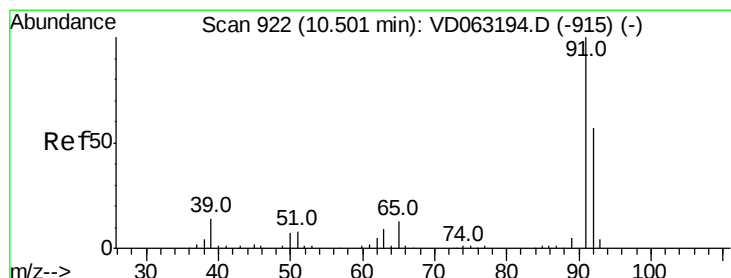
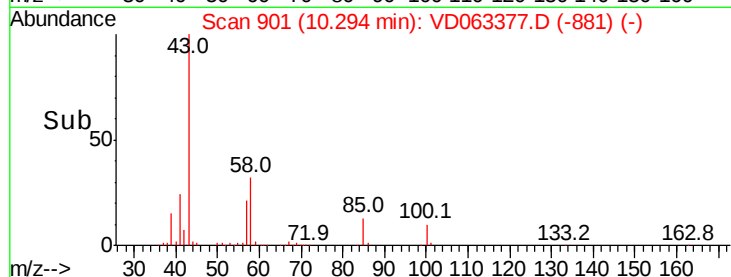
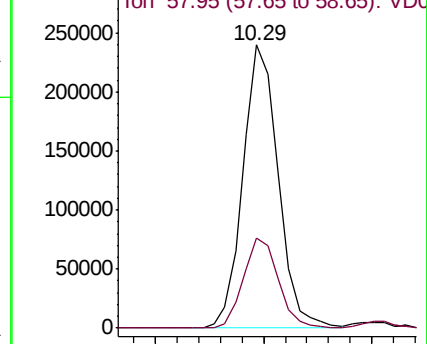
Ion Ratio Lower Upper

43 100

58 31.7 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC



#52

Toluene

Concen: 20.290 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD063377.D

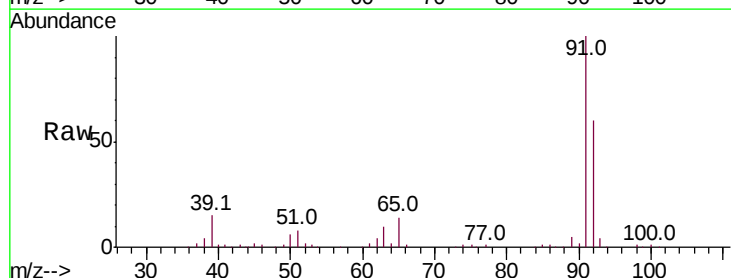
Acq: 5 Aug 2019 13:39

Tgt Ion: 92 Resp: 382459

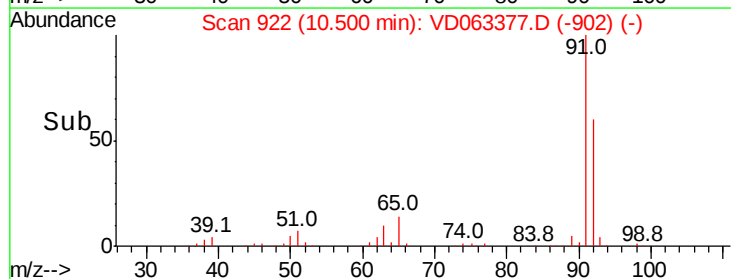
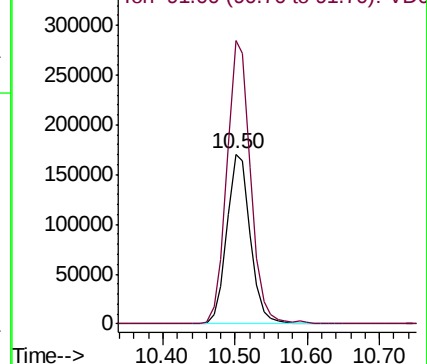
Ion Ratio Lower Upper

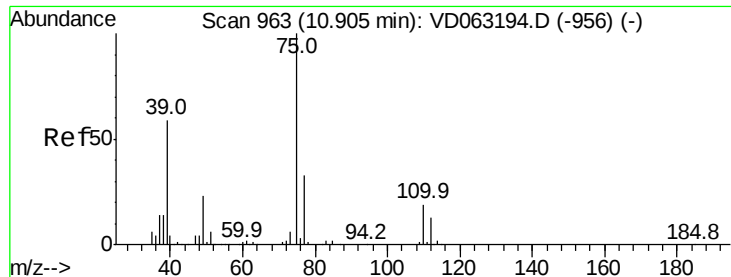
92 100

91 166.4 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

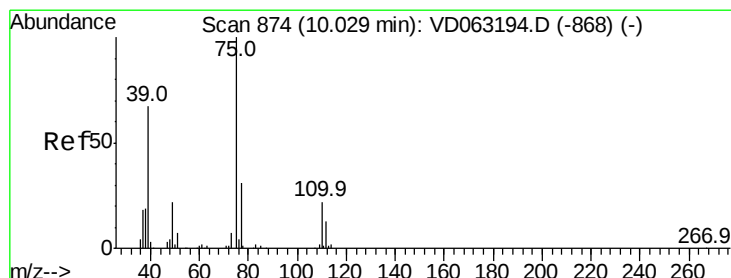
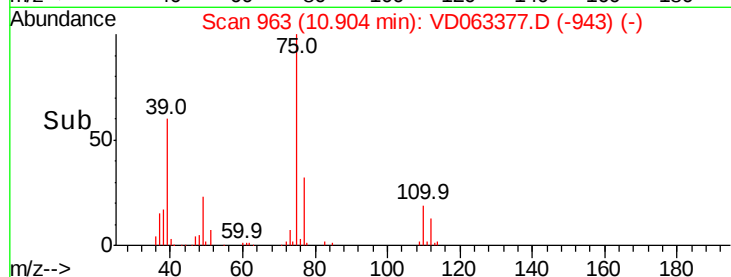
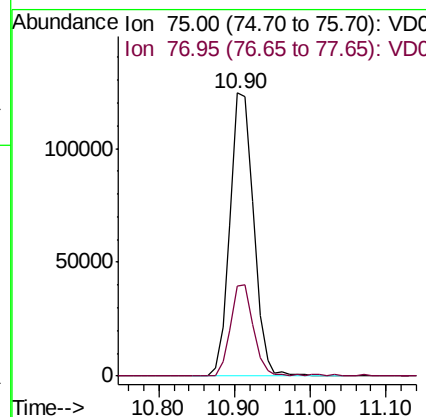
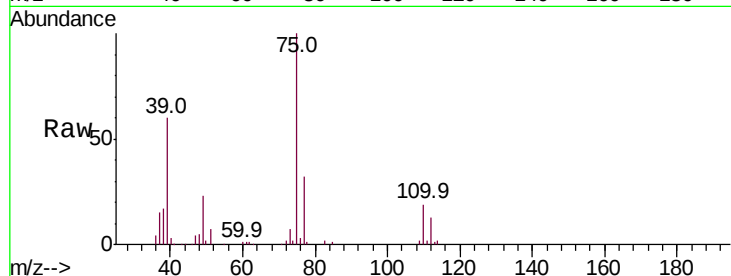




#53
t-1,3-Dichloropropene
Concen: 20.437 ug/l
RT: 10.90 min Scan# 963
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

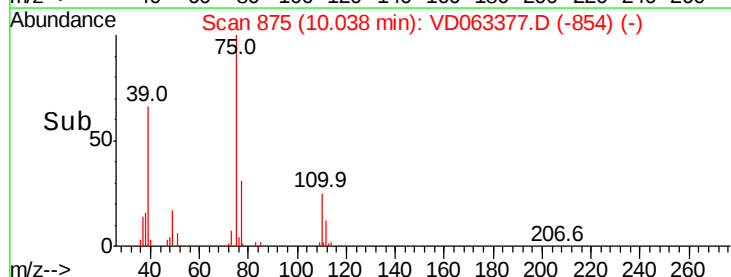
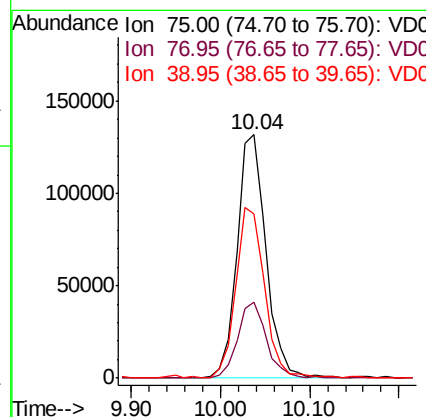
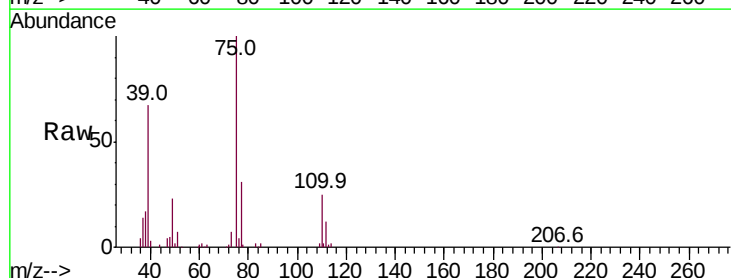
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBS01

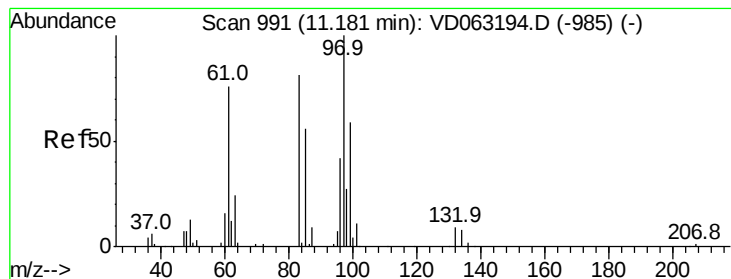
Tot Ion: 75 Resp: 269014
Ion Ratio Lower Upper
75 100
77 31.6 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 21.561 ug/l
RT: 10.04 min Scan# 875
Delta R.T. 0.01 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Tgt Ion: 75 Resp: 298274
Ion Ratio Lower Upper
75 100
77 31.3 24.9 37.3
39 67.3 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 20.745 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

Tot Ion: 97 Resp: 132065

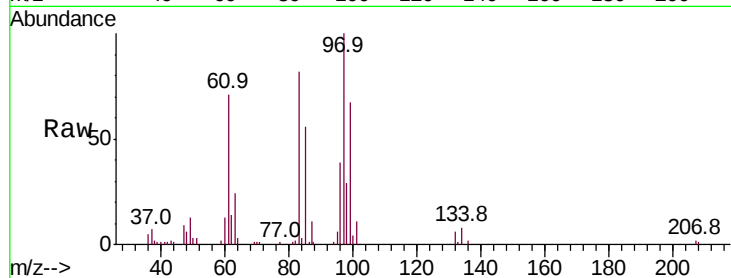
Ion Ratio Lower Upper

97 100

83 82.1 64.8 97.2

85 55.9 44.9 67.3

99 66.6 47.2 70.8

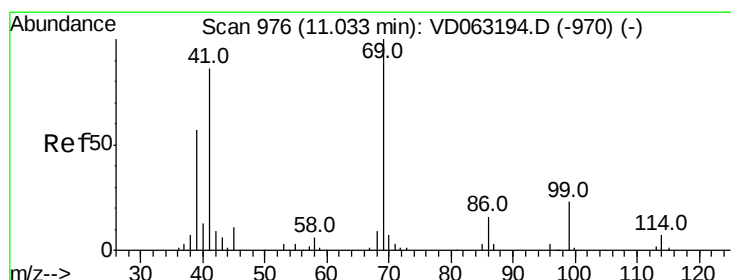
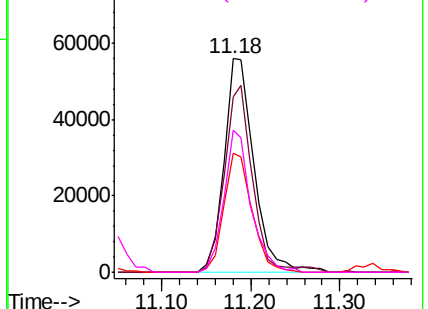
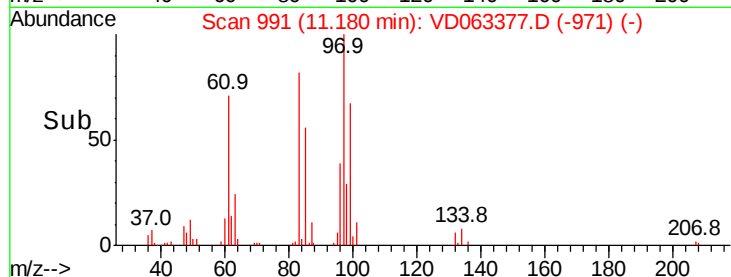


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 18.657 ug/l

RT: 11.04 min Scan# 977

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

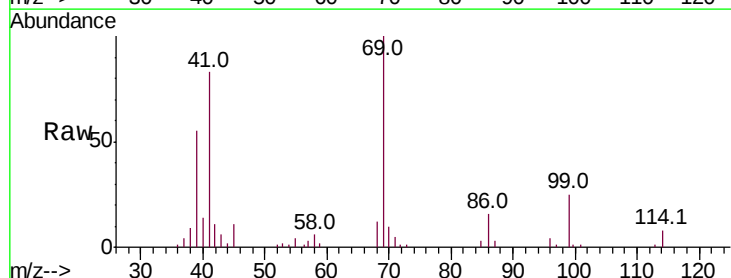
Tgt Ion: 69 Resp: 130059

Ion Ratio Lower Upper

69 100

41 83.3 68.8 103.2

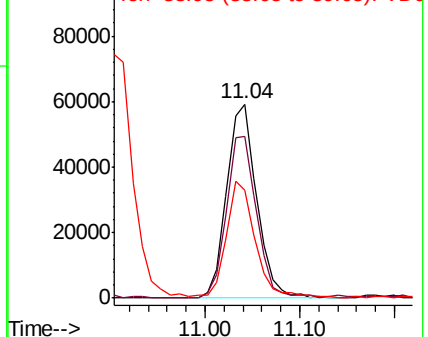
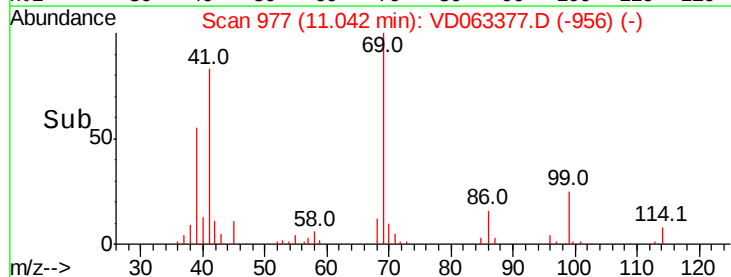
39 55.3 45.8 68.8

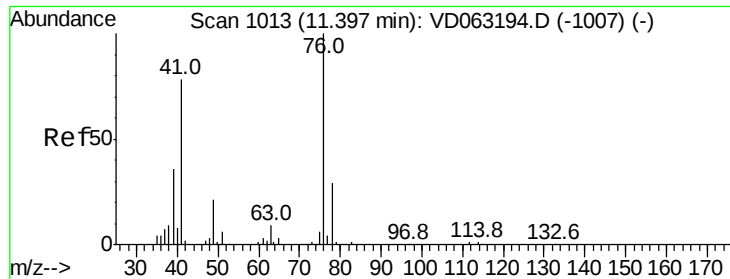


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.370 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

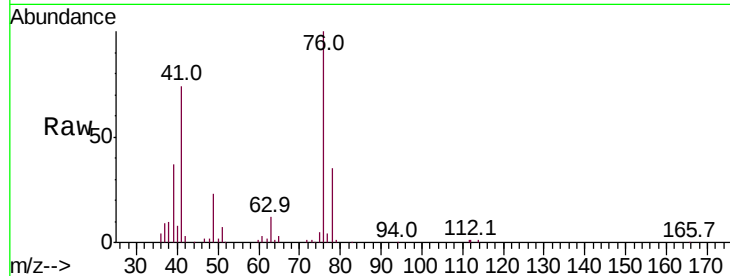
VD0805SBS01

Tot Ion: 76 Resp: 204320

Ion Ratio Lower Upper

76 100

78 34.8 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

100000

80000

60000

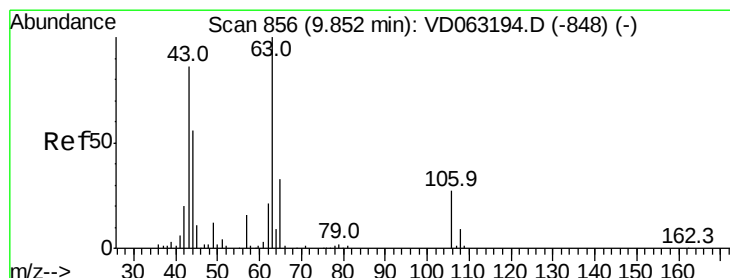
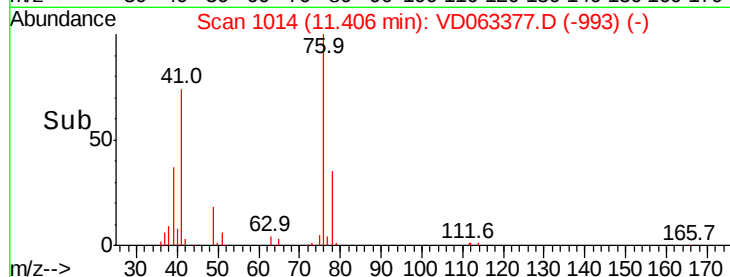
40000

20000

0

Time-->

11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 106.456 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD063377.D

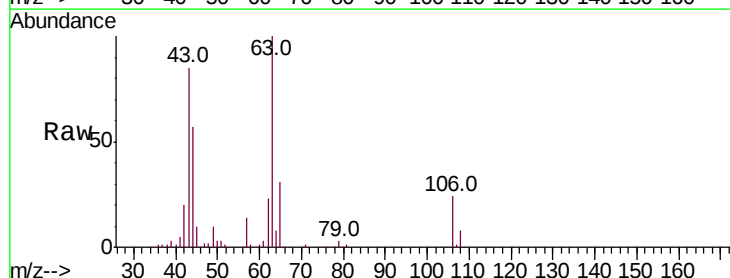
Acq: 5 Aug 2019 13:39

Tgt Ion: 63 Resp: 386144

Ion Ratio Lower Upper

63 100

106 24.2 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

200000

150000

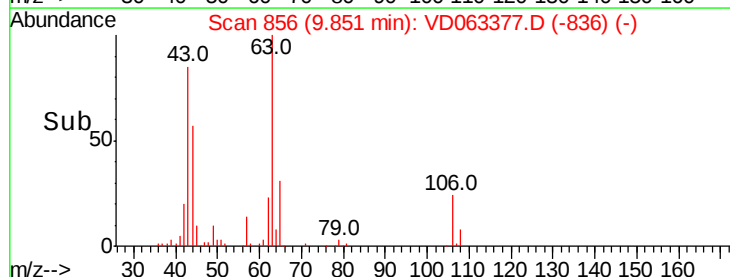
100000

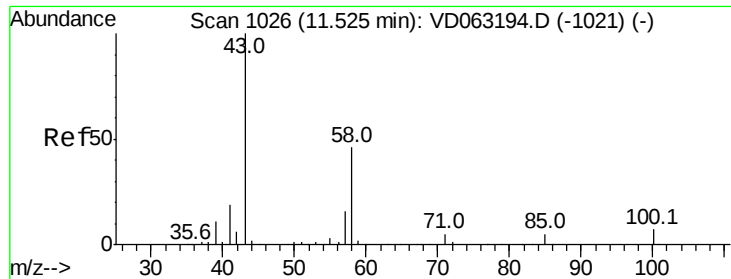
50000

0

Time-->

9.70 9.80 9.90 10.00

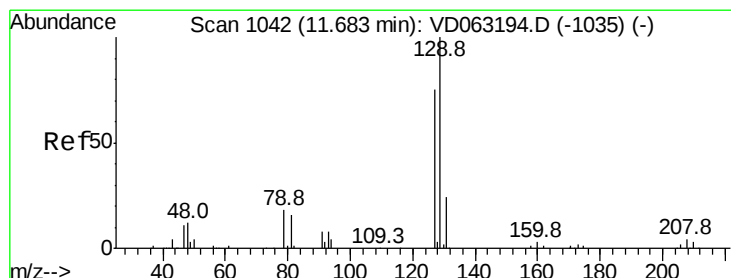
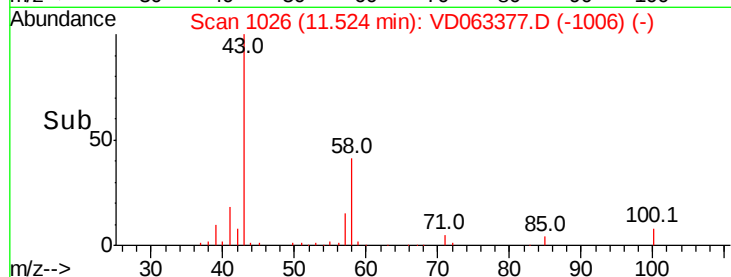
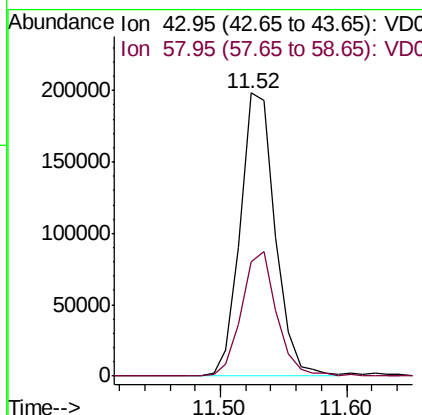
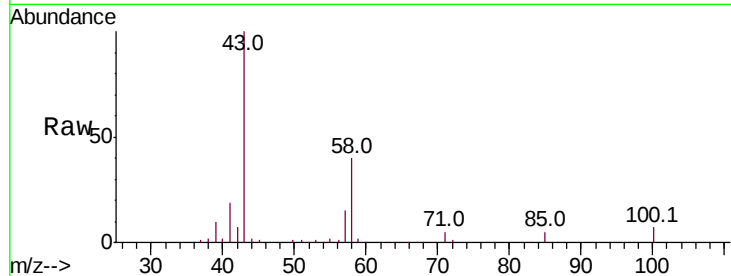




#59
2-Hexanone
Concen: 100.234 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

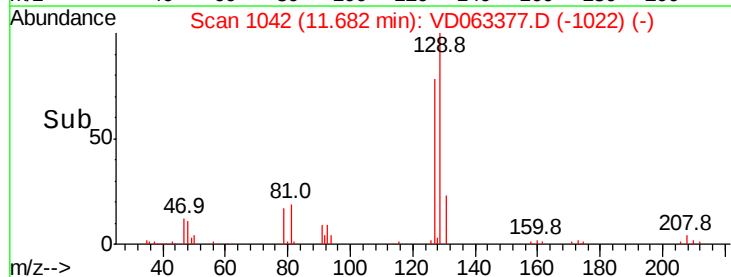
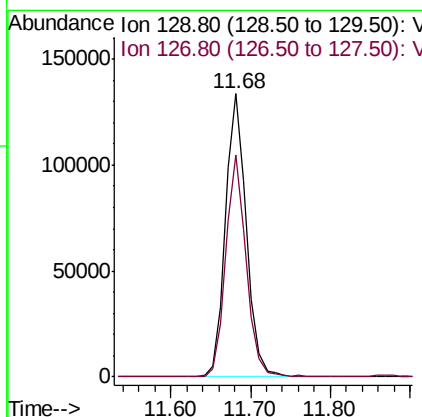
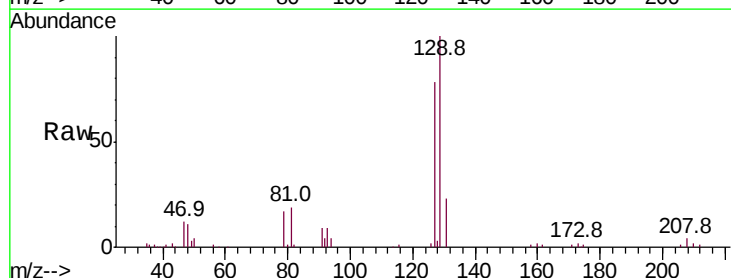
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBS01

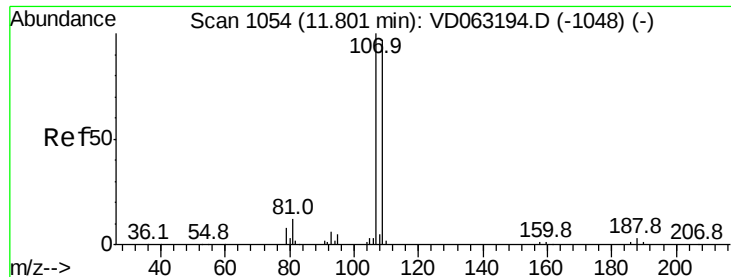
Tot Ion: 43 Resp: 381218
Ion Ratio Lower Upper
43 100
58 40.4 22.9 68.5



#60
Dibromochloromethane
Concen: 20.611 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Tgt Ion:129 Resp: 247698
Ion Ratio Lower Upper
129 100
127 78.4 37.6 112.8

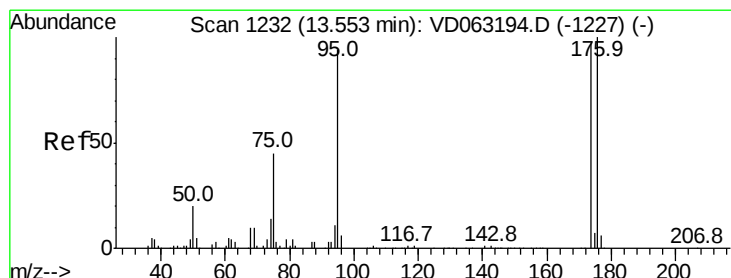
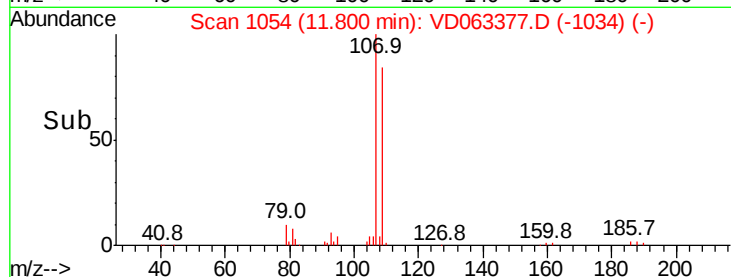
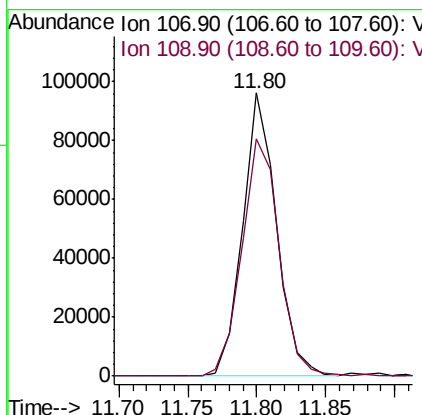
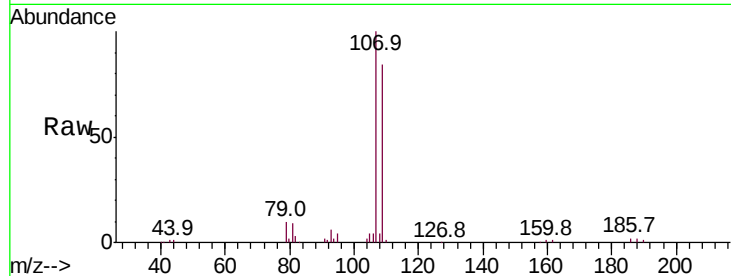




#61
 1,2-Dibromoethane
 Concen: 20.990 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD063377.D
 Acq: 5 Aug 2019 13:39

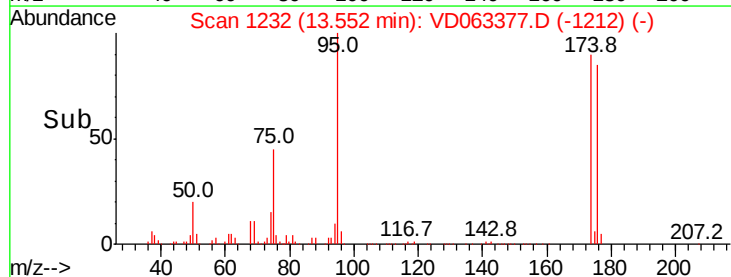
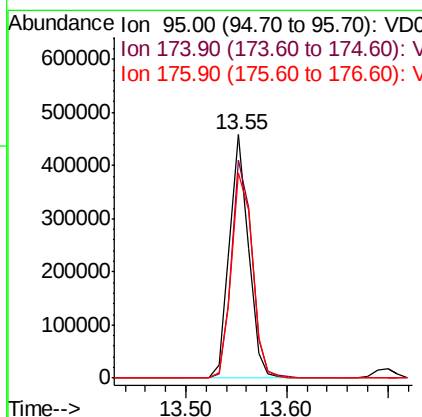
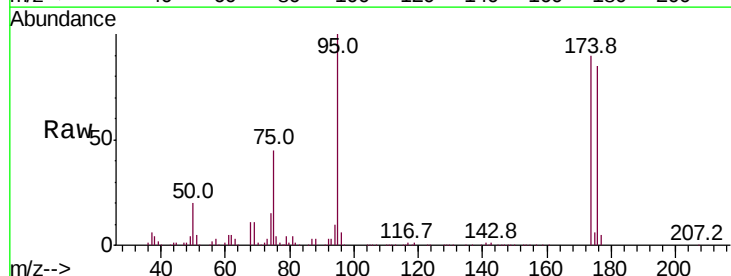
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBS01

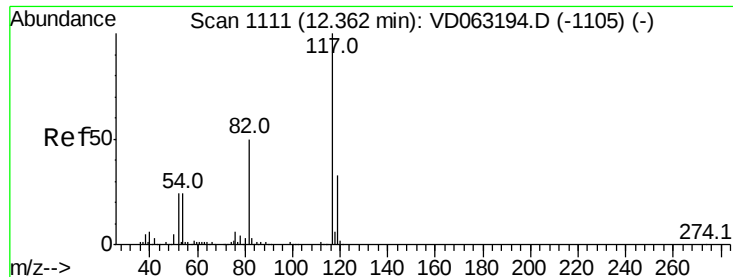
Tot Ion:107 Resp: 164885
 Ion Ratio Lower Upper
 107 100
 109 84.0 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 46.578 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063377.D
 Acq: 5 Aug 2019 13:39

Tgt Ion: 95 Resp: 600925
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 205.4
 176 84.5 0.0 211.8

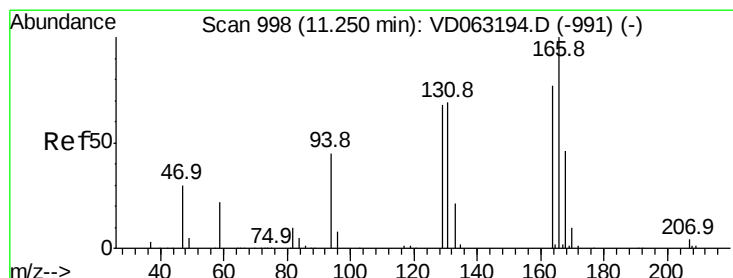
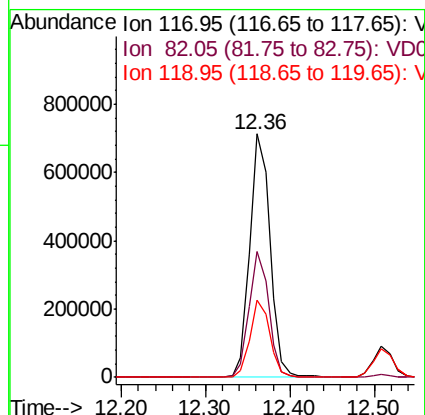
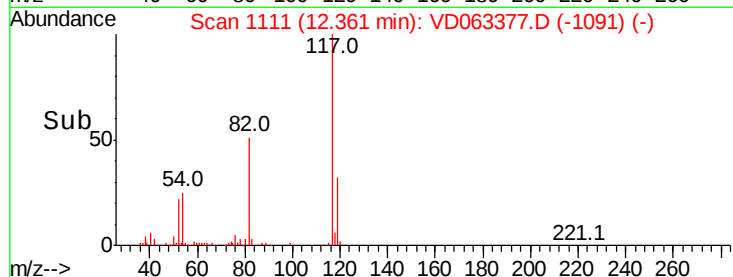
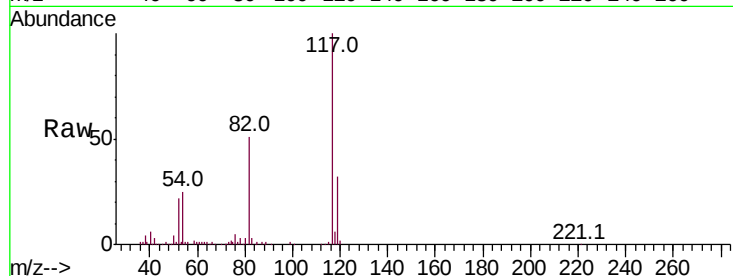




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

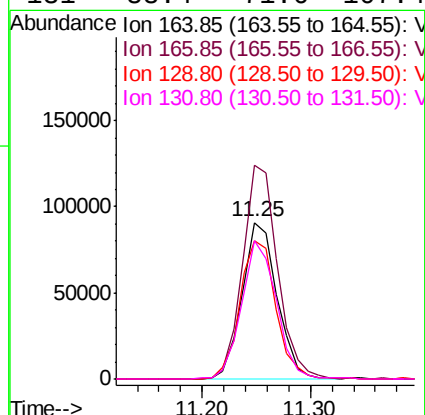
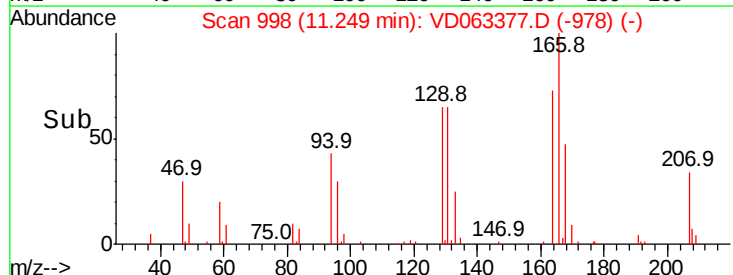
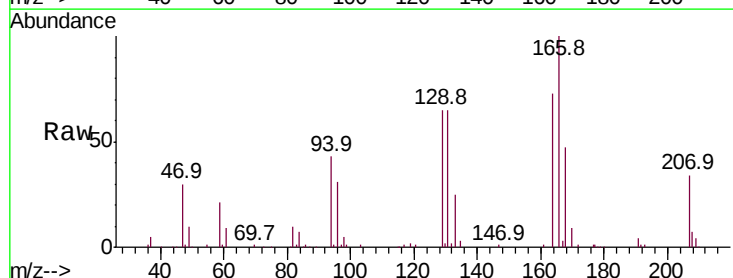
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBS01

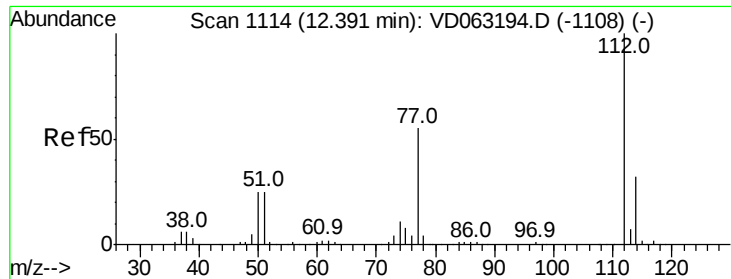
Tot Ion:117 Resp: 1208154
Ion Ratio Lower Upper
117 100
82 51.4 40.1 60.1
119 31.5 26.5 39.7



#64
Tetrachloroethene
Concen: 21.170 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Tgt Ion:164 Resp: 203763
Ion Ratio Lower Upper
164 100
166 136.4 104.3 156.5
129 88.7 70.9 106.3
131 88.4 71.6 107.4

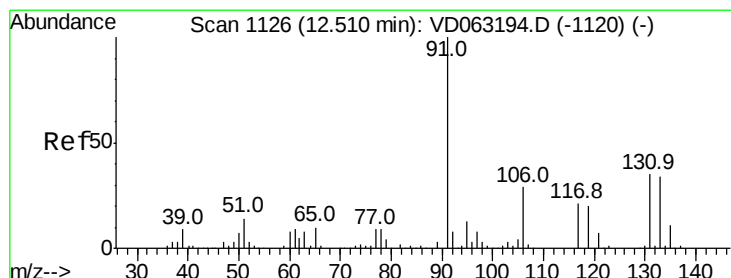
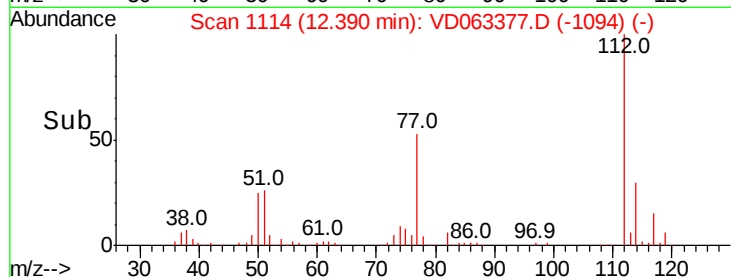
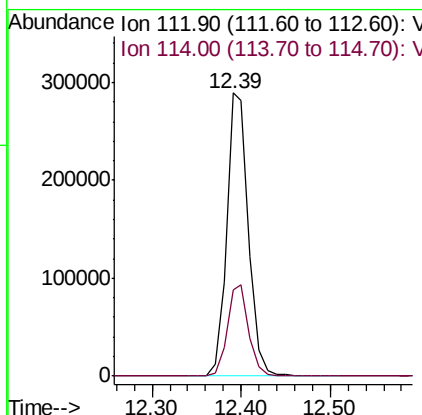
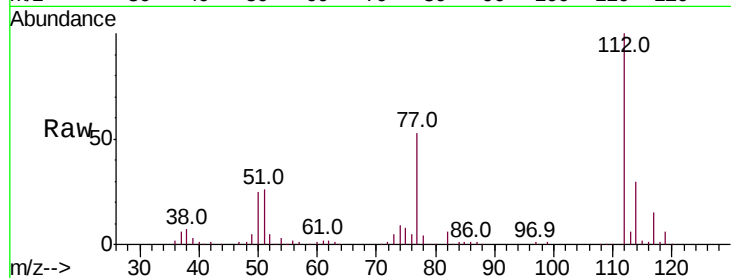




#65
Chlorobenzene
Concen: 21.410 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

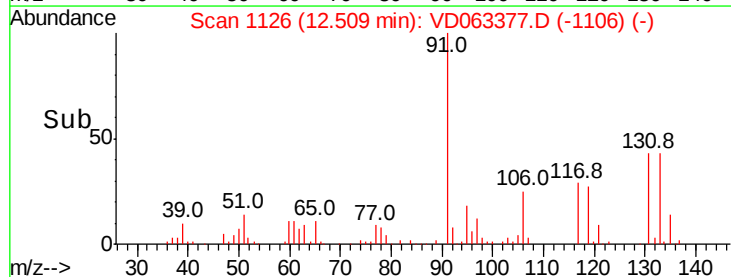
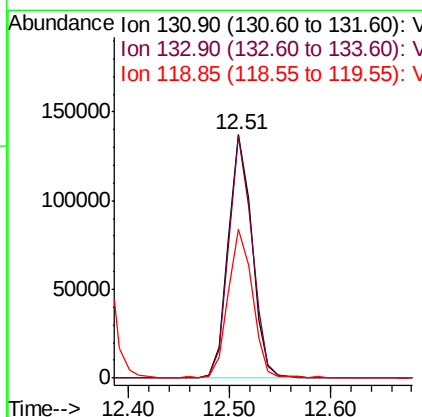
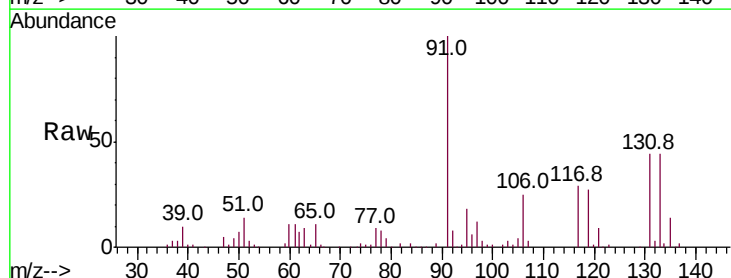
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBS01

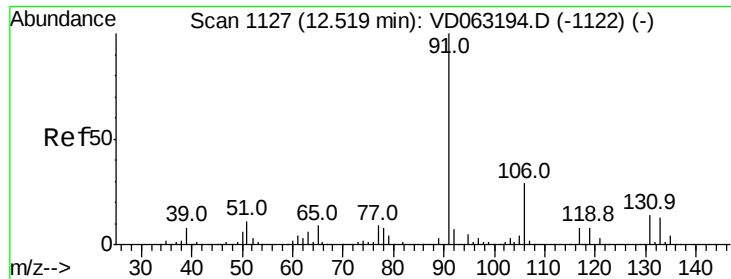
Tot Ion:112 Resp: 497527
Ion Ratio Lower Upper
112 100
114 30.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.893 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Tgt Ion:131 Resp: 224097
Ion Ratio Lower Upper
131 100
133 99.7 48.4 145.2
119 61.2 29.1 87.3

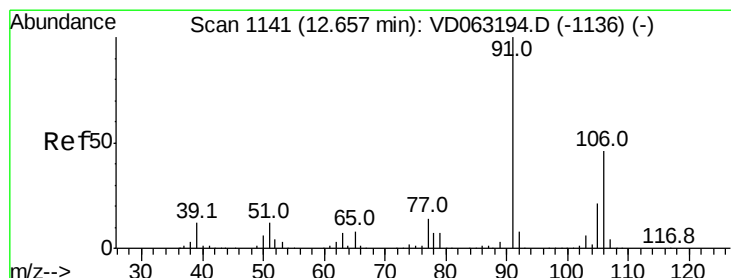
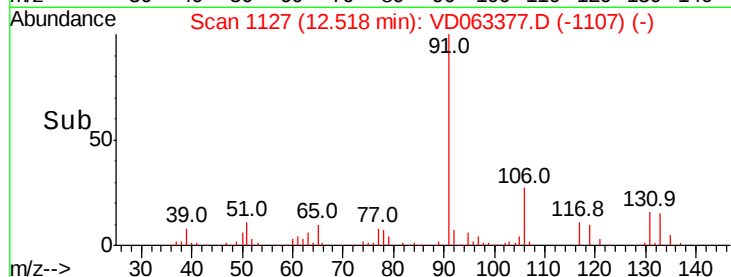
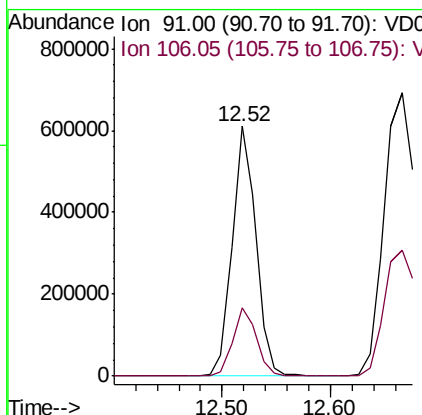
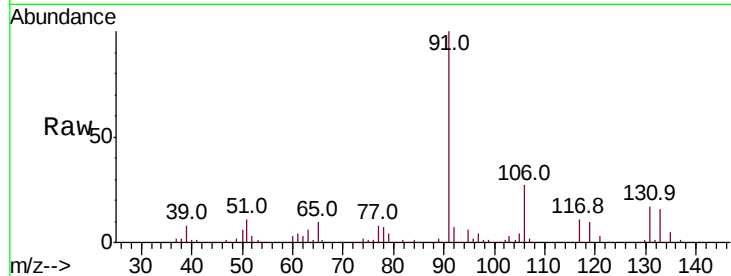




#67
Ethyl Benzene
Concen: 23.647 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

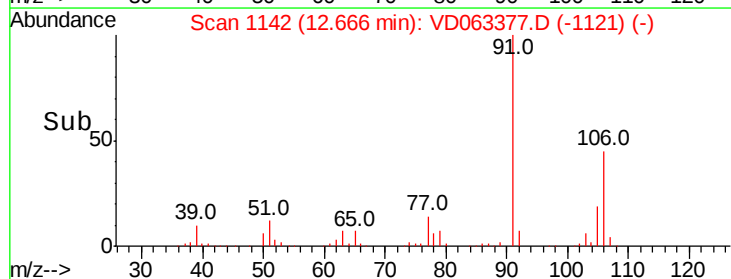
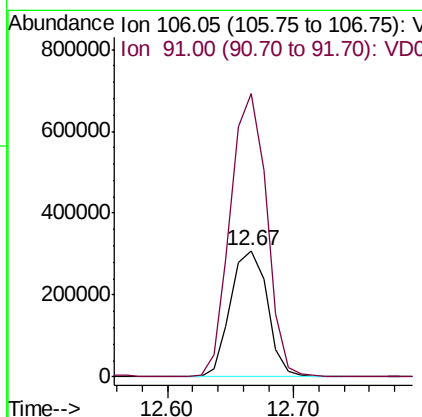
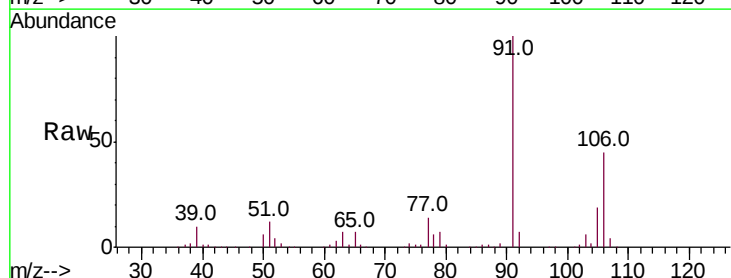
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBS01

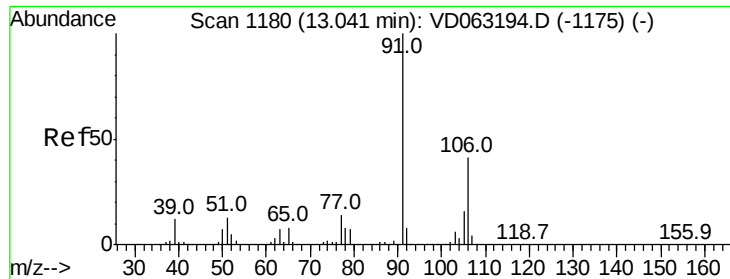
Tot Ion: 91 Resp: 933491
Ion Ratio Lower Upper
91 100
106 27.4 22.9 34.3



#68
m/p-Xylenes
Concen: 43.181 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Tgt Ion: 106 Resp: 625140
Ion Ratio Lower Upper
106 100
91 224.4 172.6 259.0

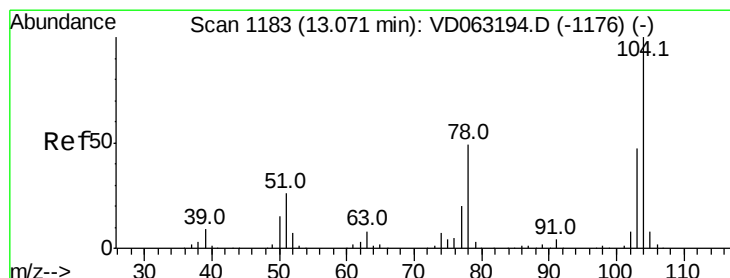
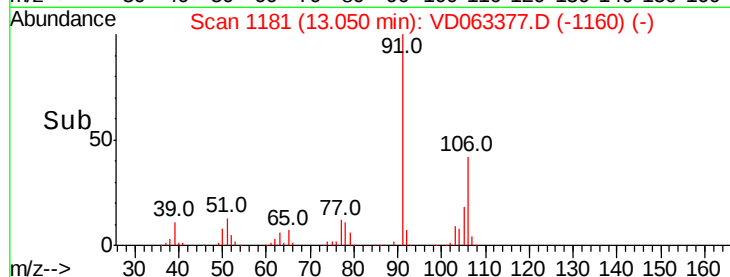
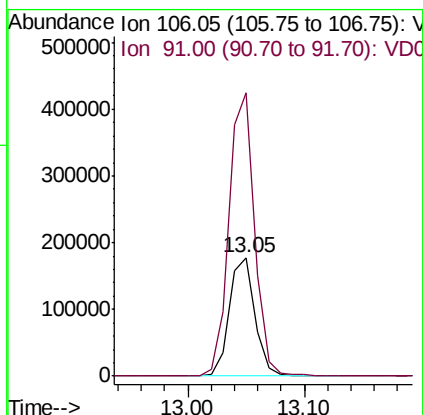
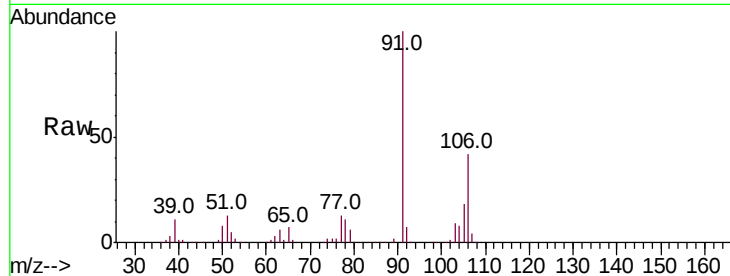




#69
o-Xylene
Concen: 20.331 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

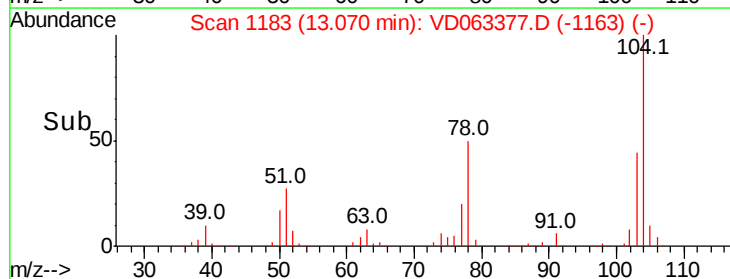
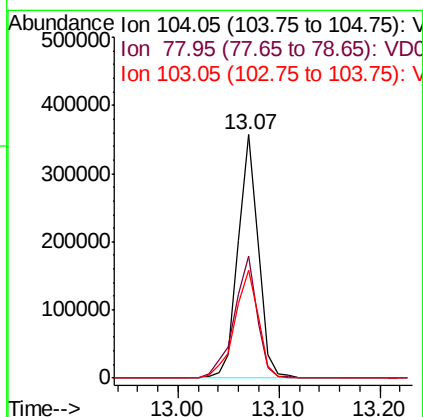
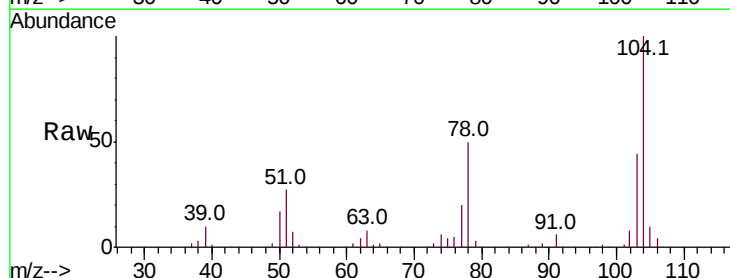
Instrument :
MSVOA_D
ClientSampleID :
VD0805SBS01

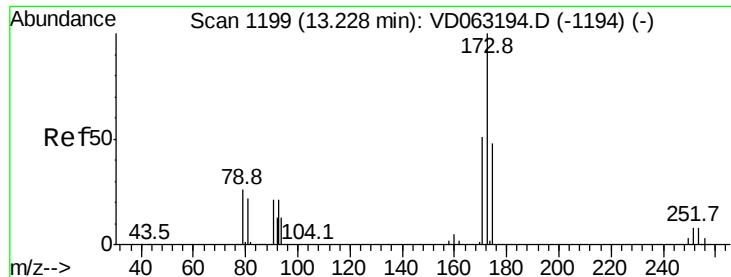
Tot Ion:106 Resp: 270293
Ion Ratio Lower Upper
106 100
91 239.2 121.3 363.9



#70
Styrene
Concen: 20.945 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Tgt Ion:104 Resp: 493819
Ion Ratio Lower Upper
104 100
78 50.4 39.4 59.0
103 44.4 37.4 56.2





#71

Bromoform

Concen: 19.546 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

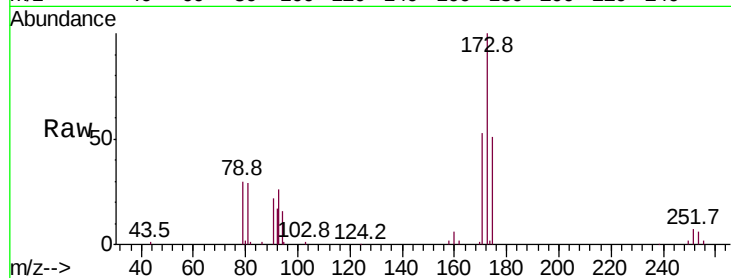
Tot Ion:173 Resp: 145499

Ion Ratio Lower Upper

173 100

175 50.7 23.8 71.5

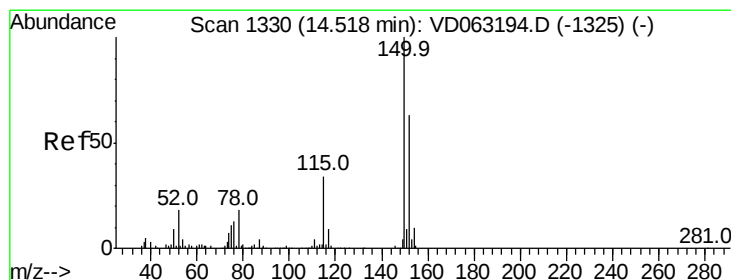
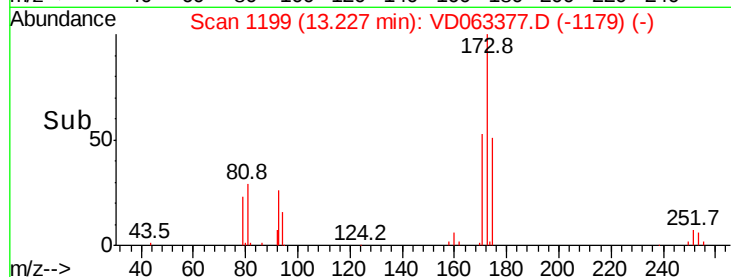
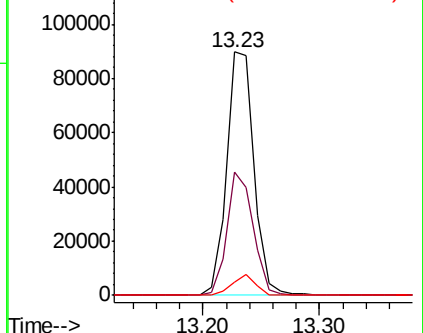
254 5.6 6.6 10.0#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

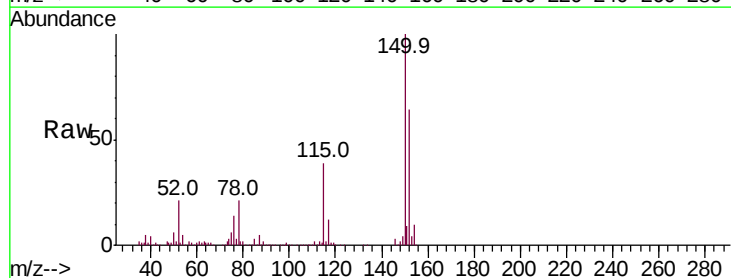
Tgt Ion:152 Resp: 646419

Ion Ratio Lower Upper

152 100

115 60.8 27.5 82.4

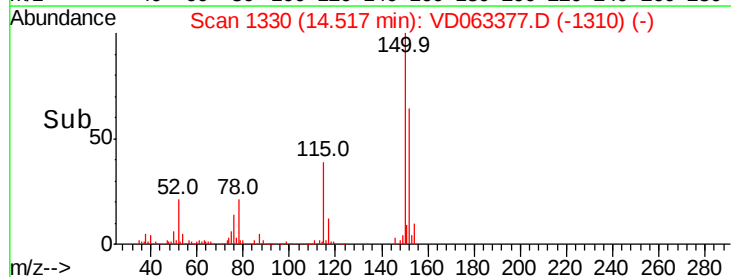
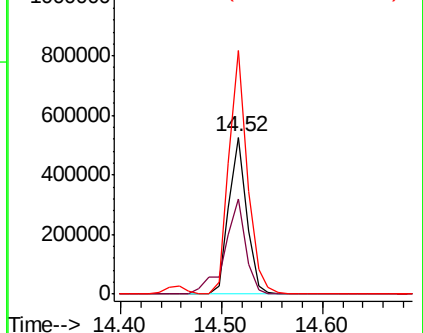
150 155.1 0.0 320.6

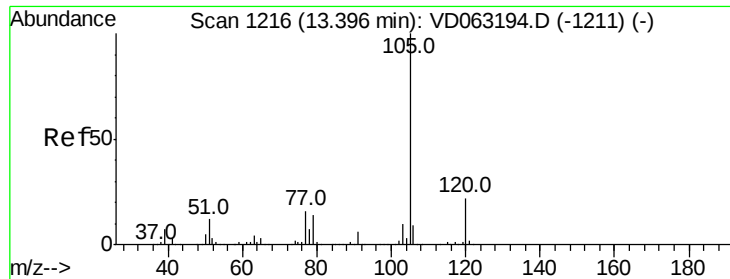


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.130 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

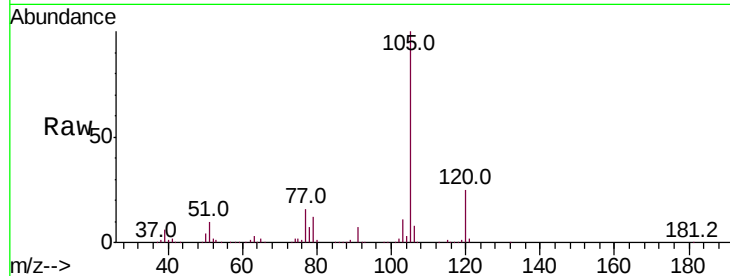
VD0805SBS01

Tot Ion:105 Resp: 897841

Ion Ratio Lower Upper

105 100

120 25.4 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

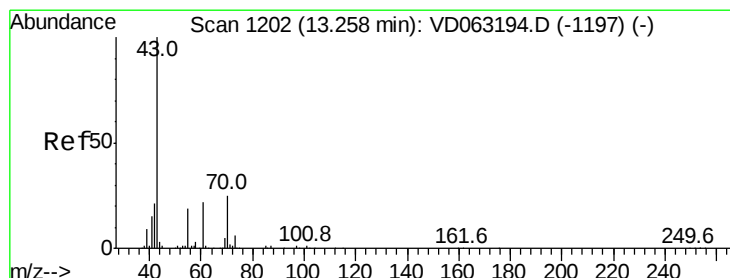
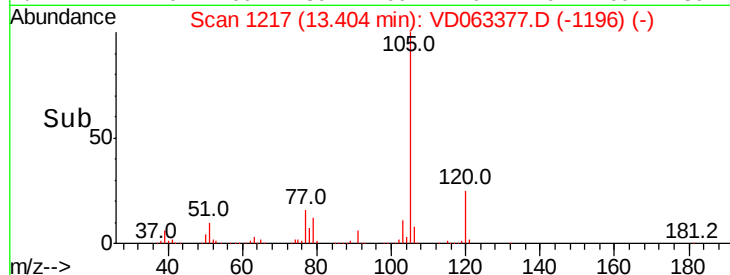
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 18.010 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Tgt Ion: 43 Resp: 193159

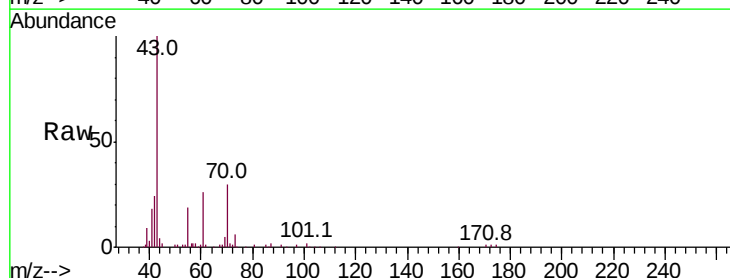
Ion Ratio Lower Upper

43 100

70 30.1 20.2 30.4

55 19.4 14.9 22.3

61 26.0 17.9 26.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

200000

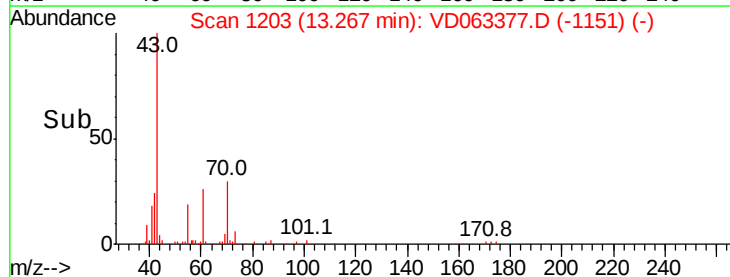
150000

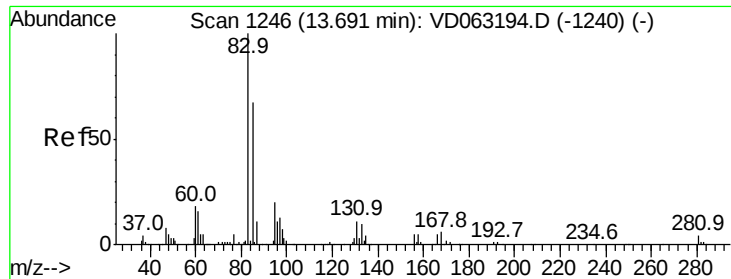
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.400 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

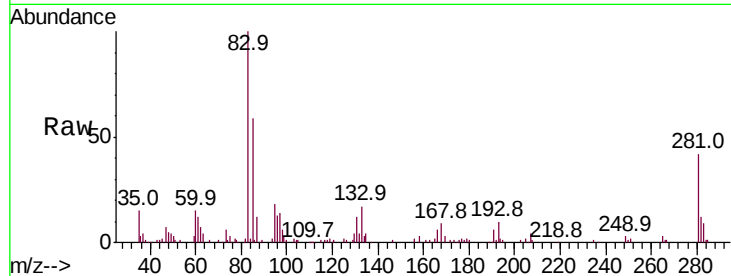
Tot Ion: 83 Resp: 140586

Ion Ratio Lower Upper

83 100

131 12.4 5.5 16.7

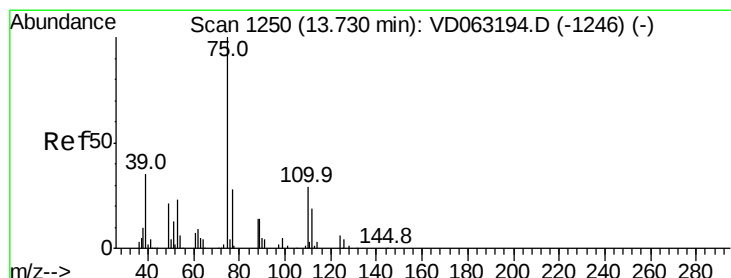
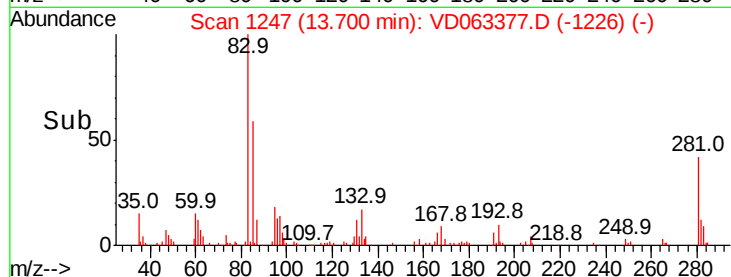
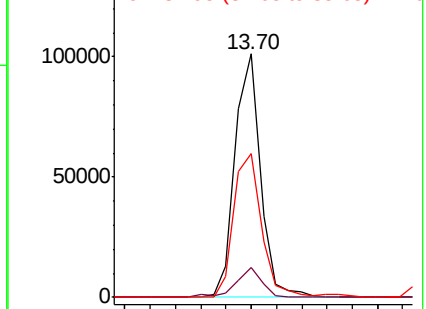
85 58.8 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.611 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063377.D

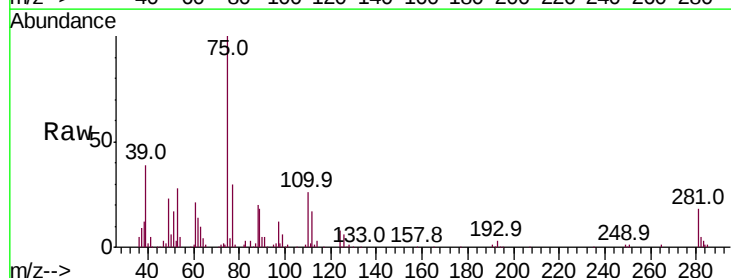
Acq: 5 Aug 2019 13:39

Tgt Ion: 75 Resp: 160027

Ion Ratio Lower Upper

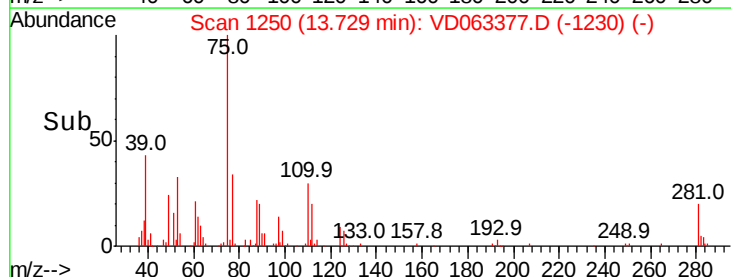
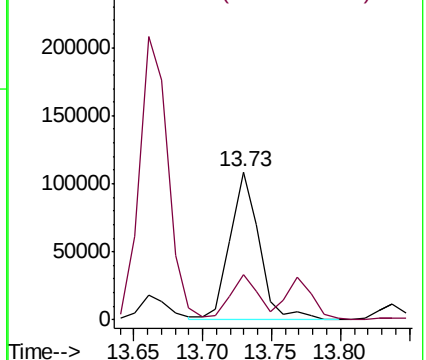
75 100

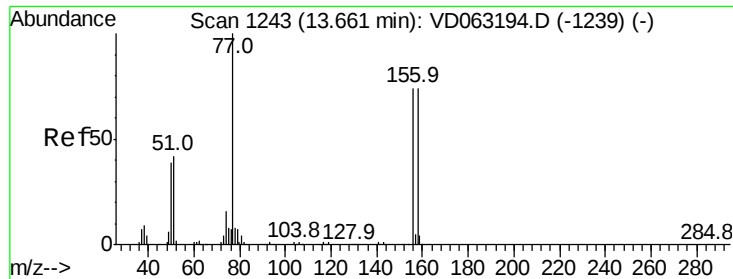
77 30.3 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.227 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

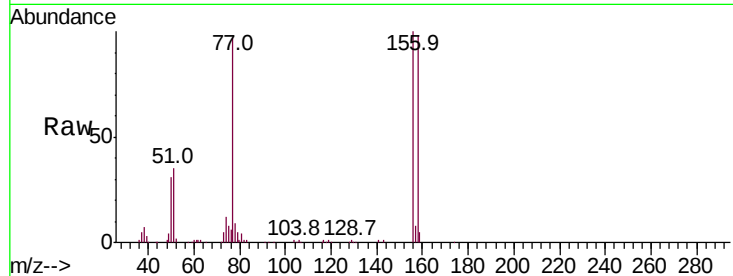
Tot Ion:156 Resp: 245335

Ion Ratio Lower Upper

156 100

77 97.2 67.6 202.8

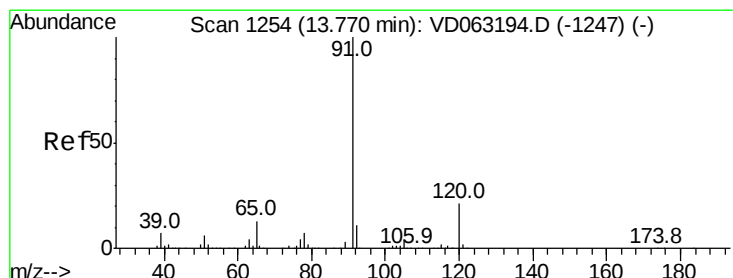
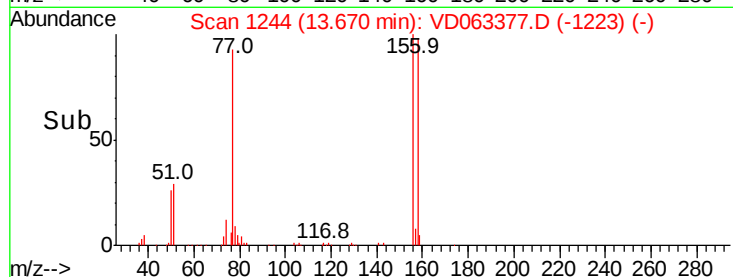
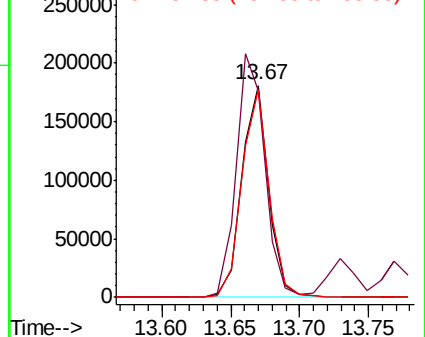
158 98.1 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.121 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD063377.D

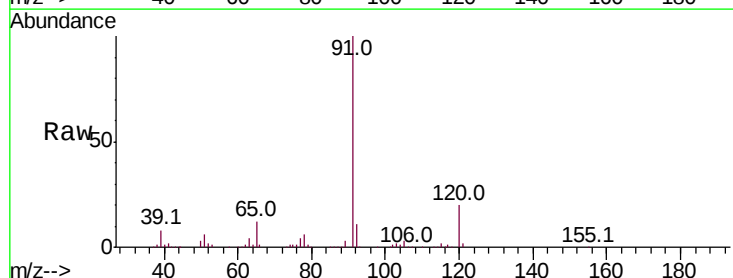
Acq: 5 Aug 2019 13:39

Tgt Ion: 91 Resp: 1019730

Ion Ratio Lower Upper

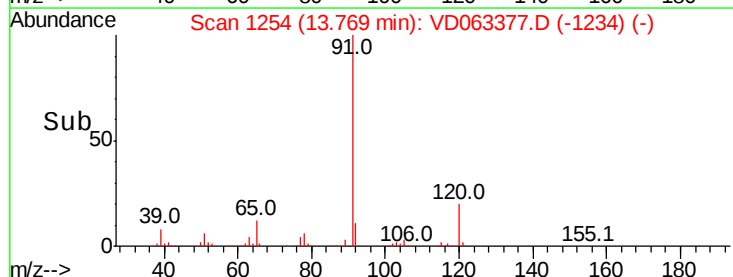
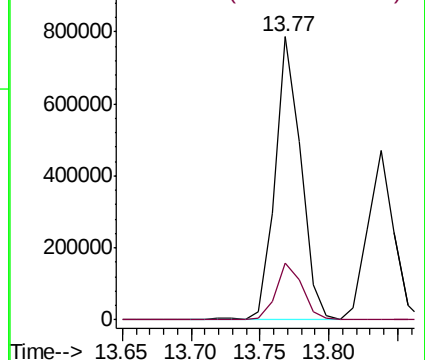
91 100

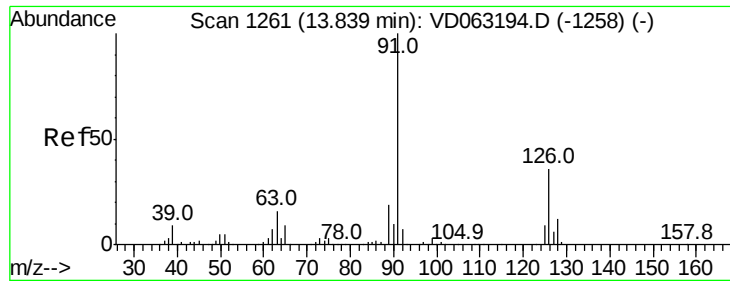
120 20.3 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.996 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

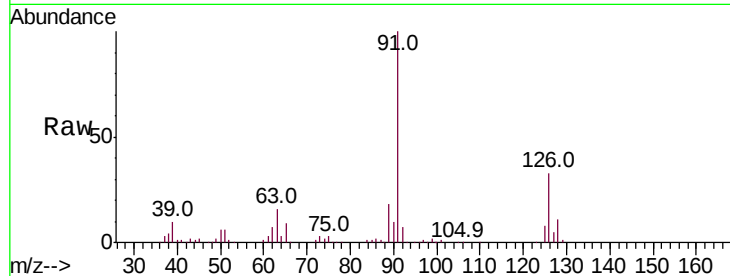
VD0805SBS01

Tot Ion: 91 Resp: 615349

Ion Ratio Lower Upper

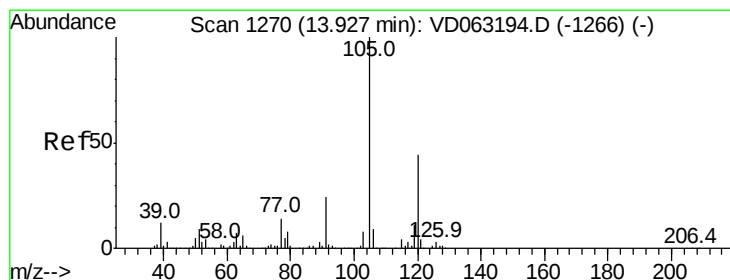
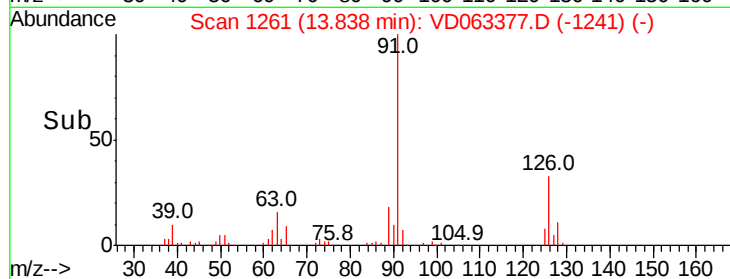
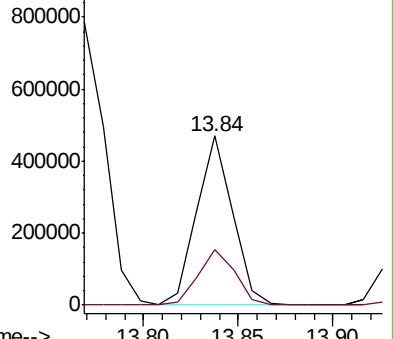
91 100

126 33.2 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.357 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063377.D

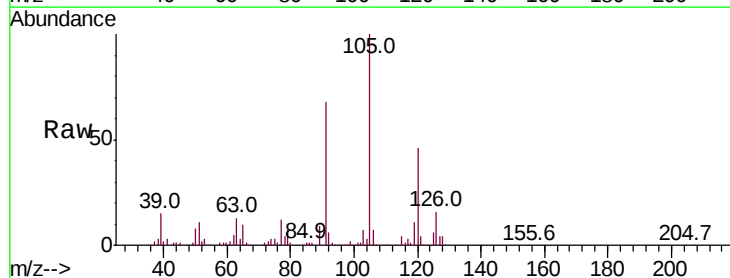
Acq: 5 Aug 2019 13:39

Tgt Ion:105 Resp: 782314

Ion Ratio Lower Upper

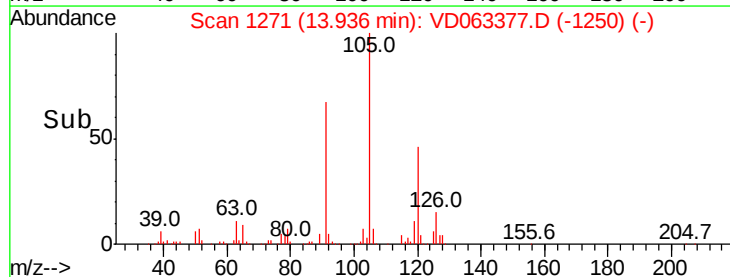
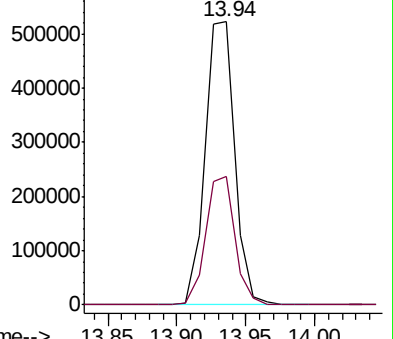
105 100

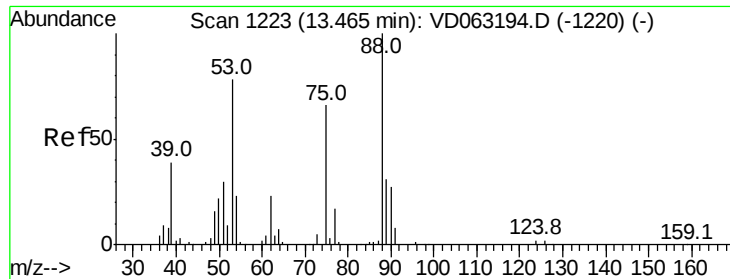
120 45.5 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.610 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

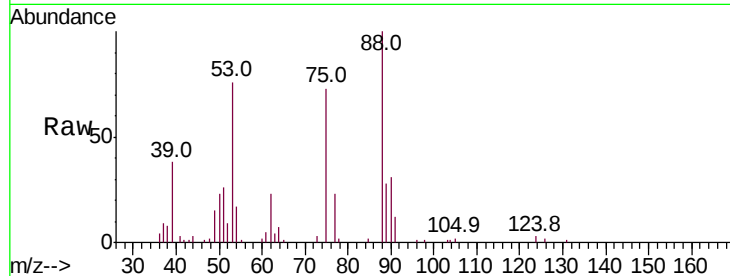
Tot Ion: 75 Resp: 37968

Ion Ratio Lower Upper

75 100

53 103.2 94.9 142.3

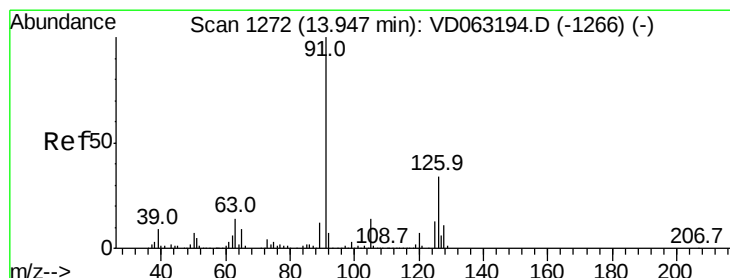
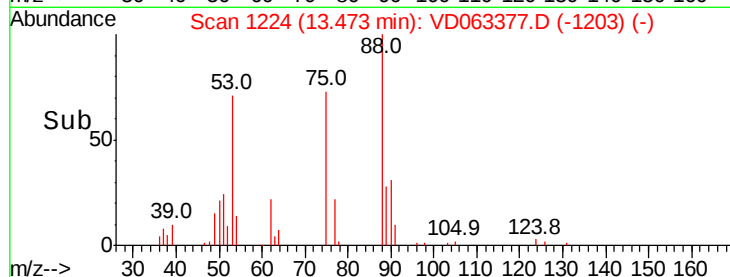
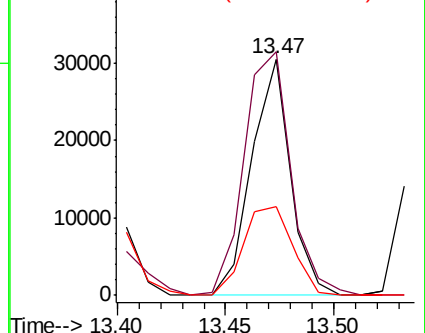
89 37.8 37.4 56.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.838 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063377.D

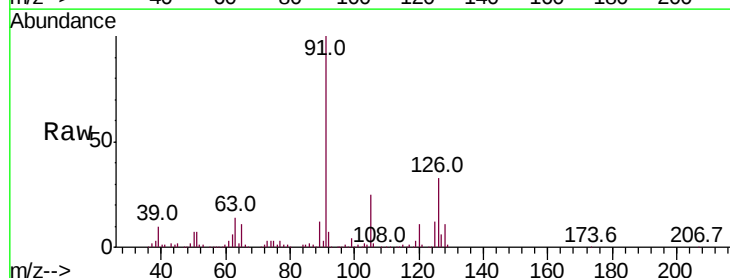
Acq: 5 Aug 2019 13:39

Tgt Ion: 91 Resp: 718994

Ion Ratio Lower Upper

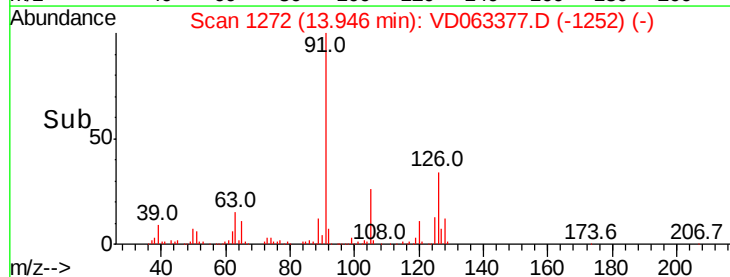
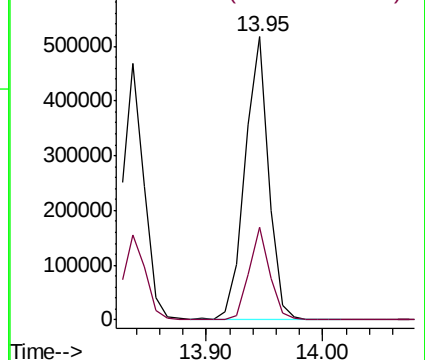
91 100

126 32.7 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 21.995 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

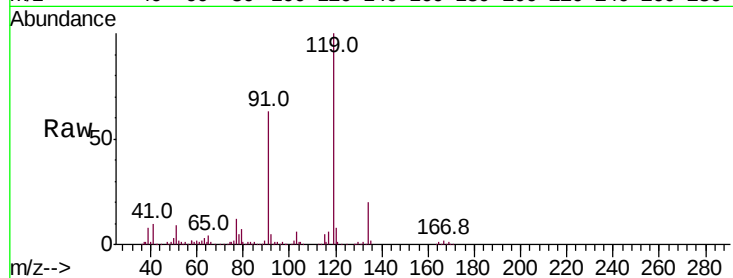
Tot Ion:119 Resp: 878807

Ion Ratio Lower Upper

119 100

91 63.2 39.1 117.5

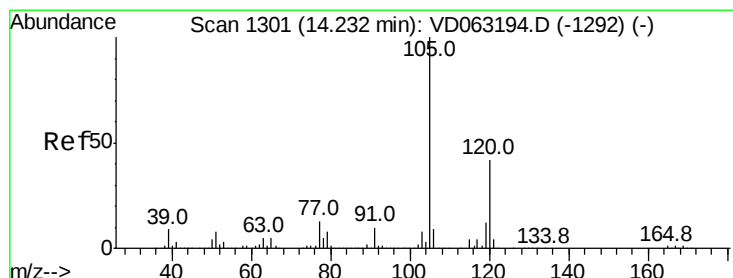
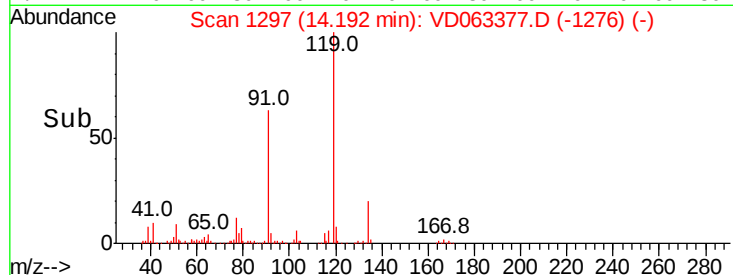
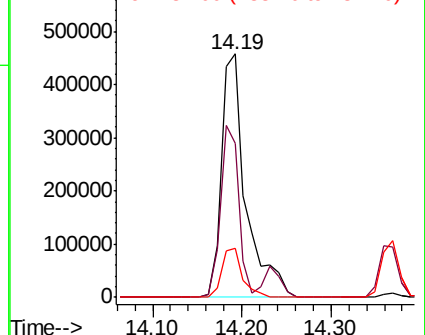
134 20.4 10.9 32.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.613 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD063377.D

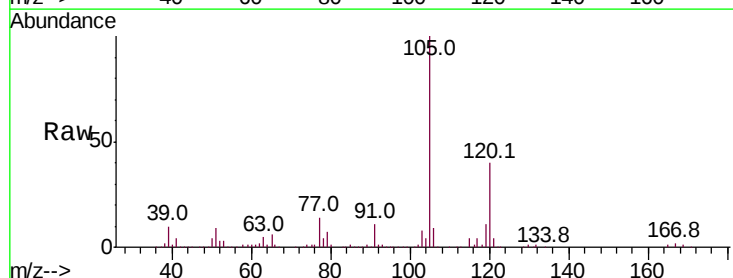
Acq: 5 Aug 2019 13:39

Tgt Ion:105 Resp: 746079

Ion Ratio Lower Upper

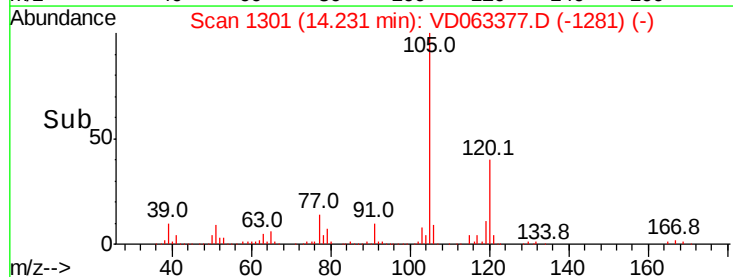
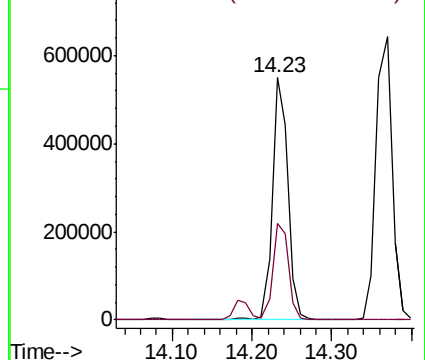
105 100

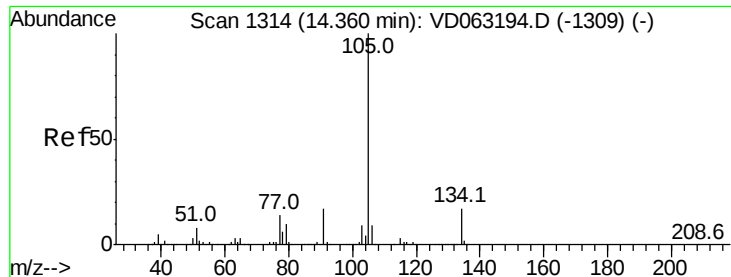
120 39.9 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 21.039 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

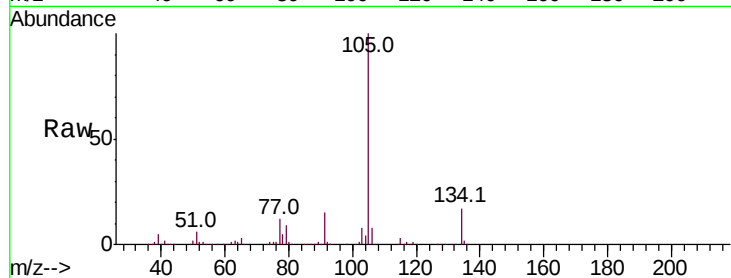
VD0805SBS01

Tot Ion:105 Resp: 885649

Ion Ratio Lower Upper

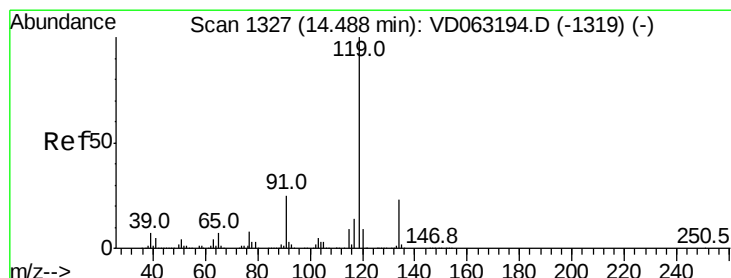
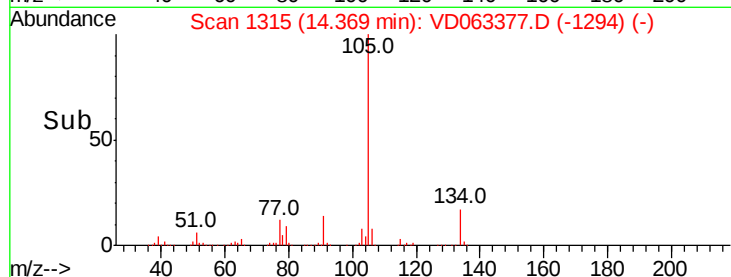
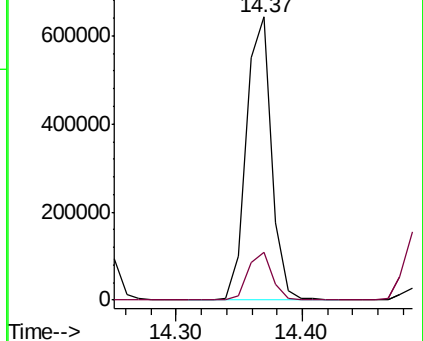
105 100

134 16.7 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.855 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

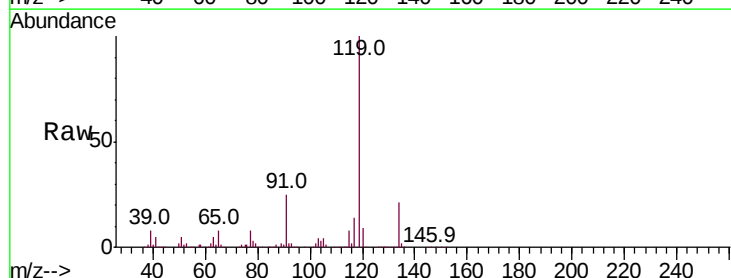
Tgt Ion:119 Resp: 878083

Ion Ratio Lower Upper

119 100

134 20.8 11.5 34.5

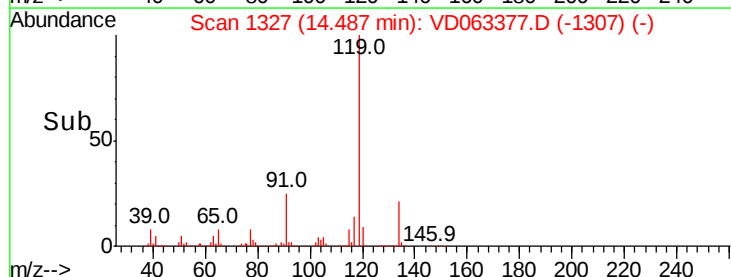
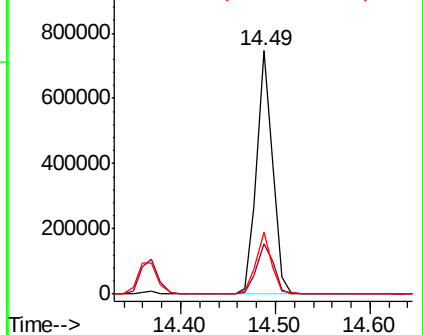
91 25.2 12.6 37.6

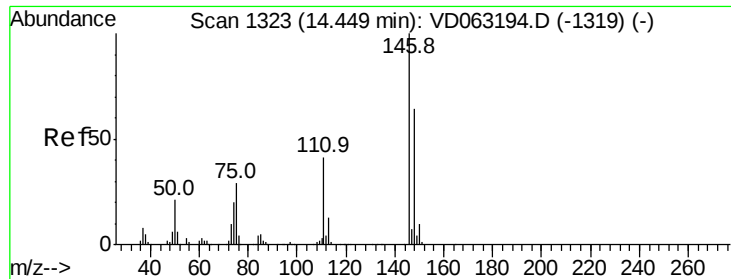


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.894 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.01 min

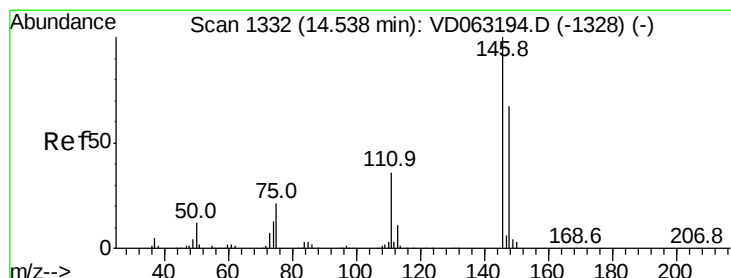
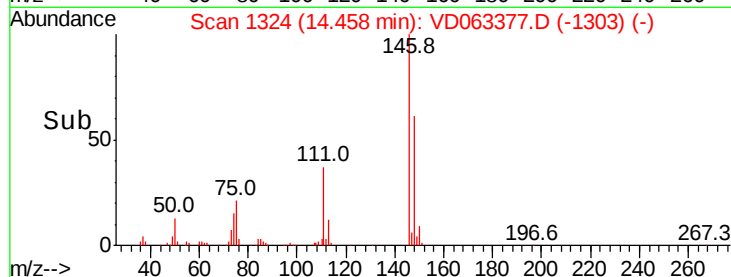
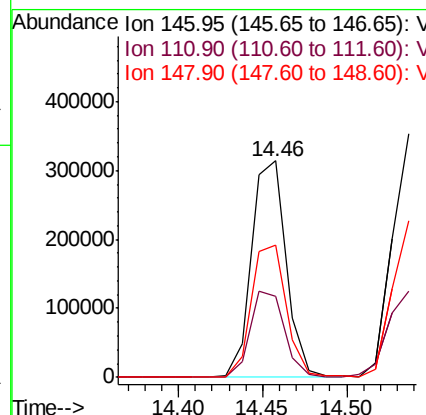
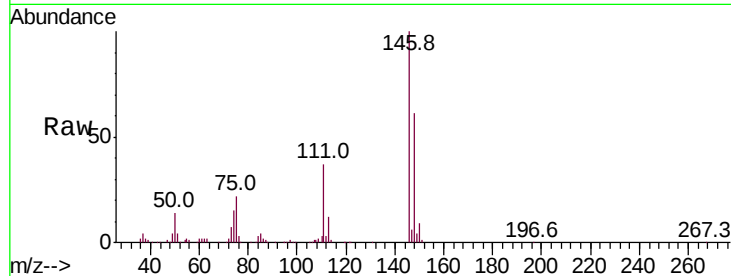
Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0805SBS01

Tot Ion:146 Resp: 448122

Ion	Ratio	Lower	Upper
146	100		
111	37.2	20.4	61.3
148	61.0	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 20.815 ug/l

RT: 14.54 min Scan# 1332

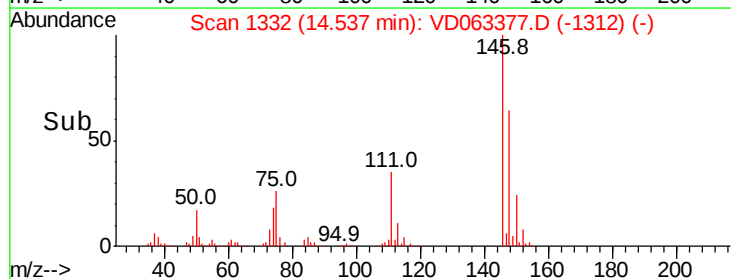
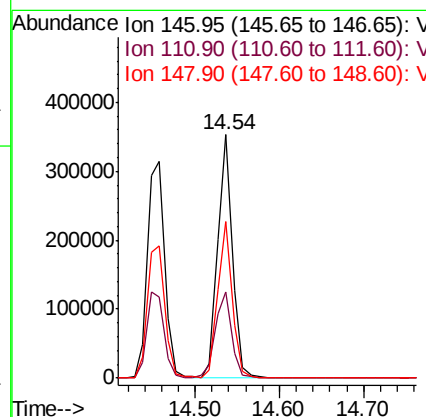
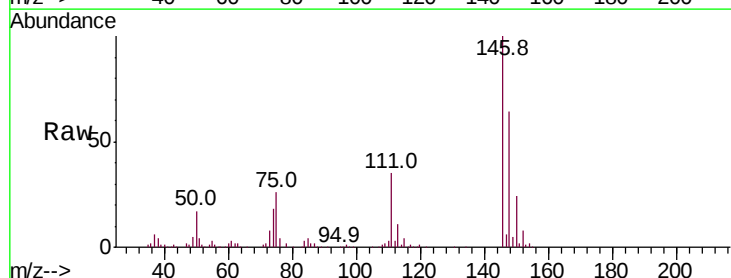
Delta R.T. -0.00 min

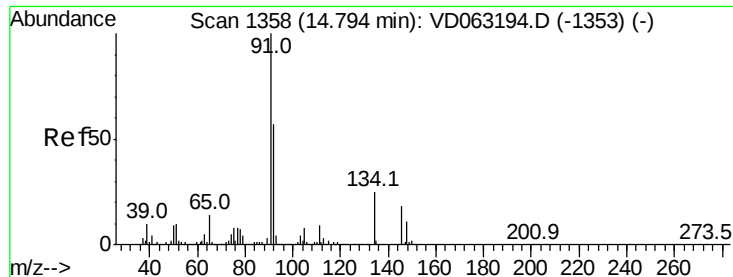
Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Tgt Ion:146 Resp: 430805

Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.1	54.3
148	64.2	33.4	100.1

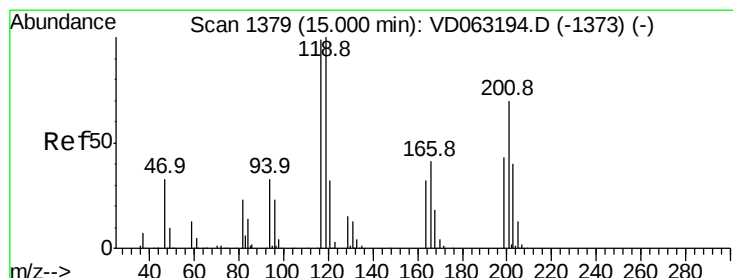
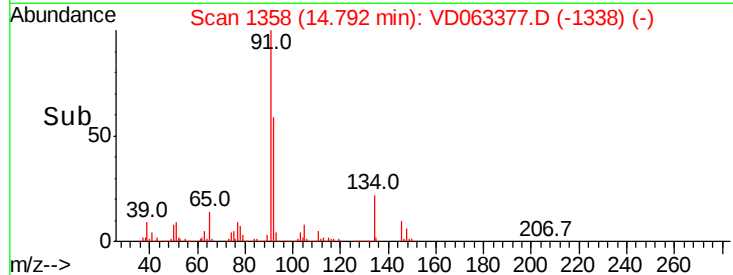
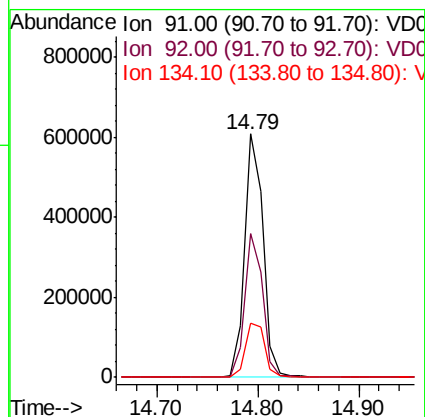
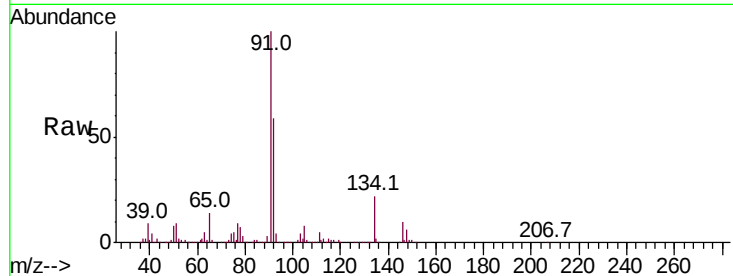




#89
n-Butylbenzene
Concen: 22.253 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

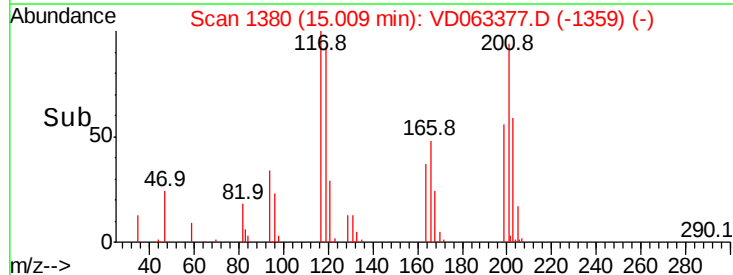
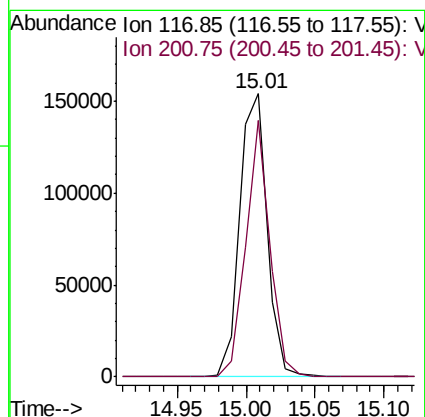
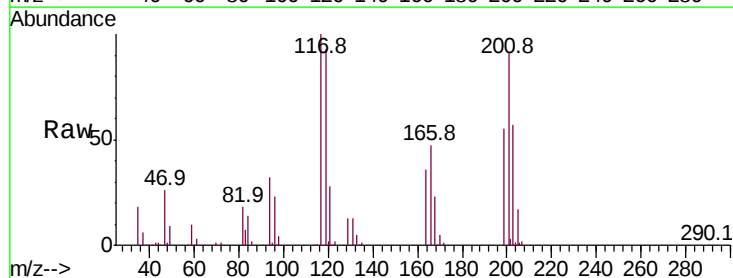
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBS01

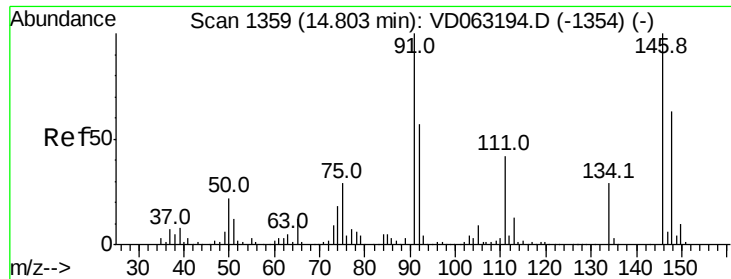
Tot Ion:	91	Resp:	772197
Ion	Ratio	Lower	Upper
91	100		
92	59.3	28.3	85.0
134	22.1	12.3	36.8



#90
Hexachloroethane
Concen: 20.447 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Tgt Ion:	117	Resp:	214039
Ion	Ratio	Lower	Upper
117	100		
201	90.8	35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 20.794 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBS01

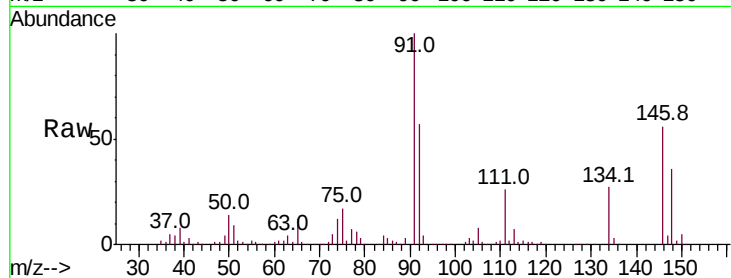
Tot Ion:146 Resp: 370811

Ion Ratio Lower Upper

146 100

111 46.0 21.1 63.3

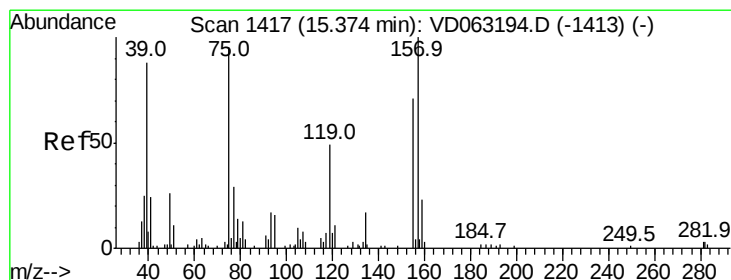
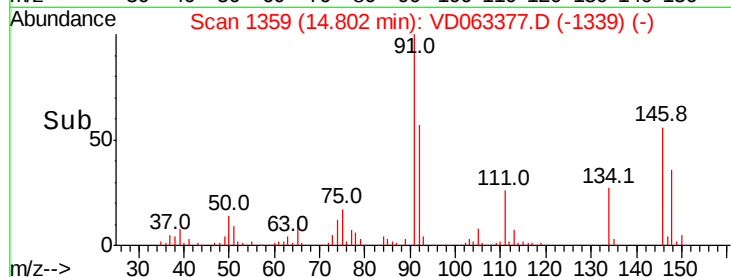
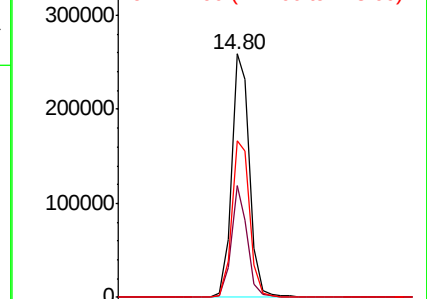
148 64.2 31.6 94.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.504 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD063377.D

Acq: 5 Aug 2019 13:39

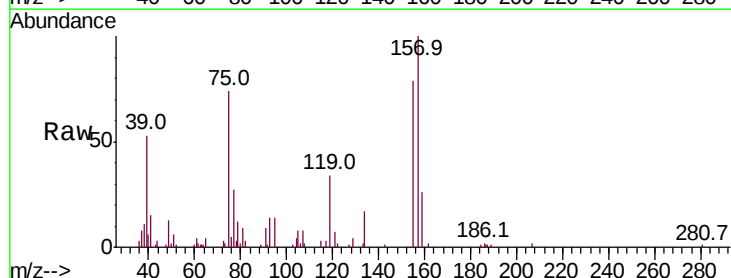
Tgt Ion: 75 Resp: 25975

Ion Ratio Lower Upper

75 100

155 107.8 37.0 111.0

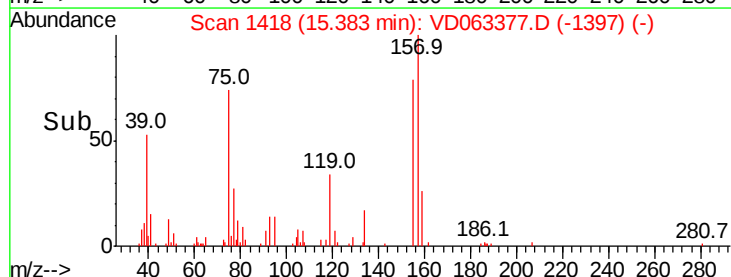
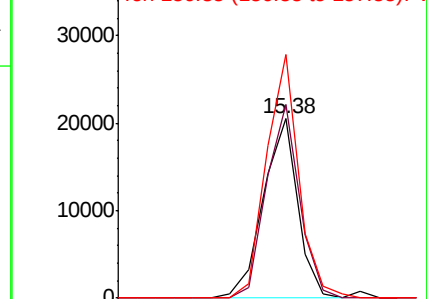
157 135.8 52.4 157.2

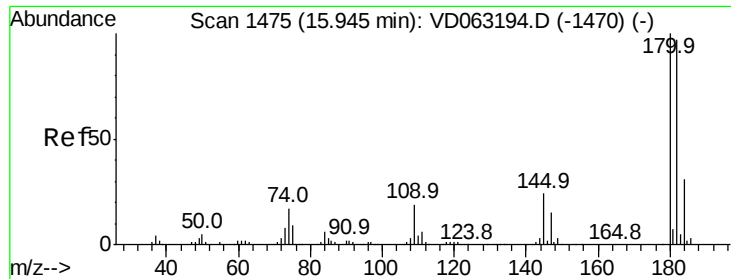


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

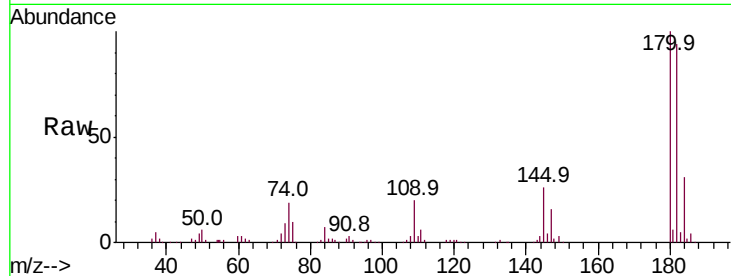




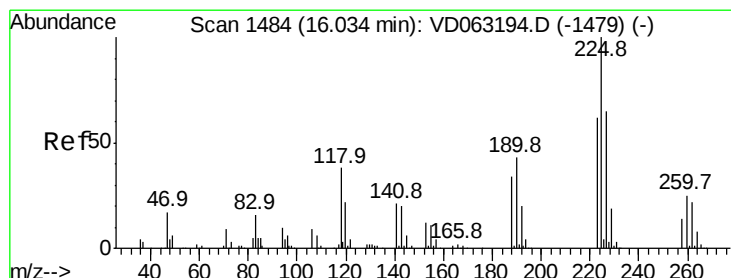
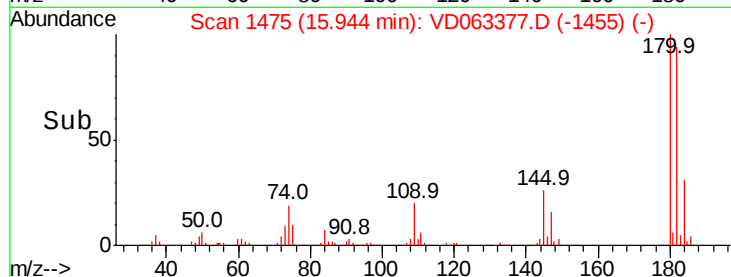
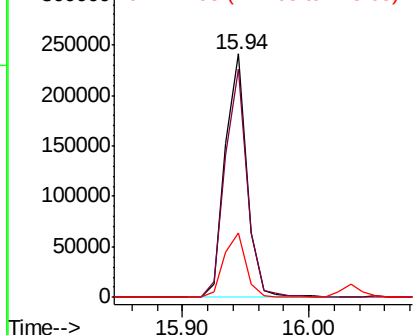
#93
 1,2,4-Trichlorobenzene
 Concen: 20.288 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063377.D
 Acq: 5 Aug 2019 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBS01

Tot Ion:180 Resp: 287008
 Ion Ratio Lower Upper
 180 100
 182 94.0 48.6 145.8
 145 26.5 12.2 36.6

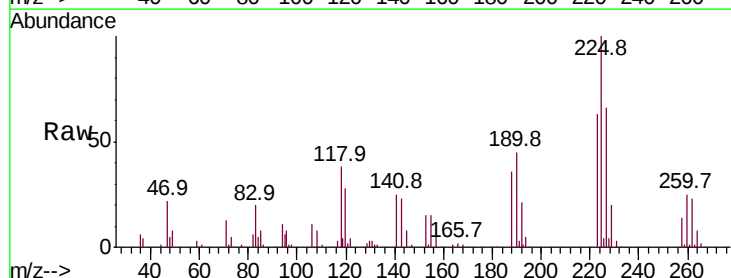


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

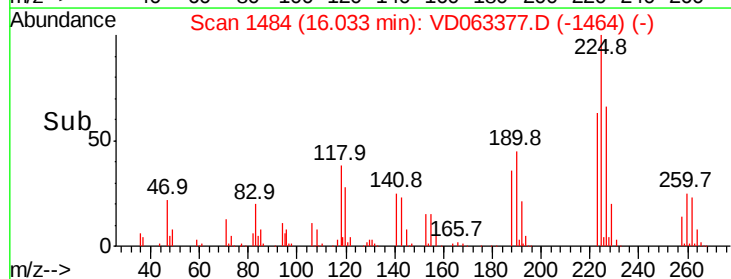
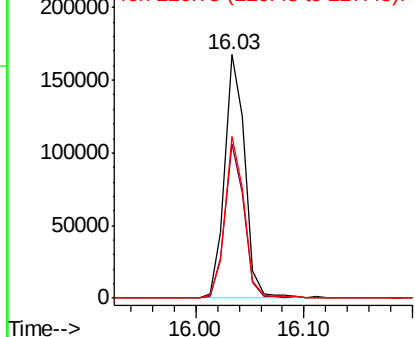


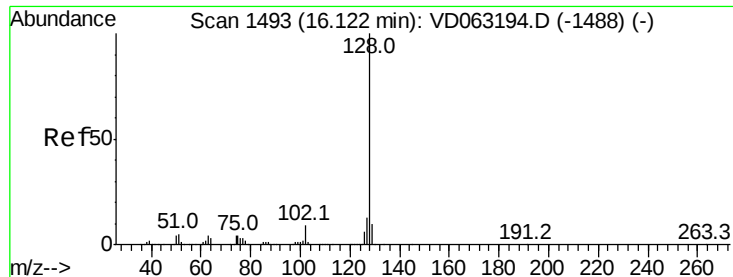
#94
 Hexachlorobutadiene
 Concen: 21.376 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063377.D
 Acq: 5 Aug 2019 13:39

Tgt Ion:225 Resp: 219150
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.9 92.5
 227 66.3 32.6 97.7



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

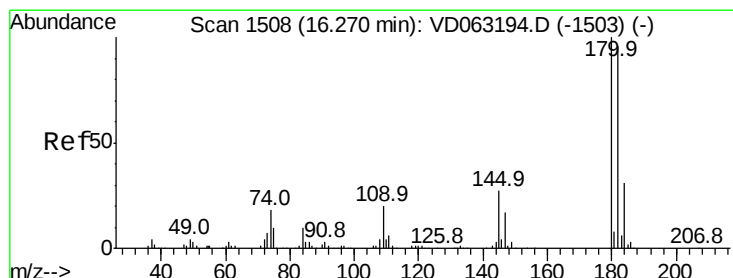
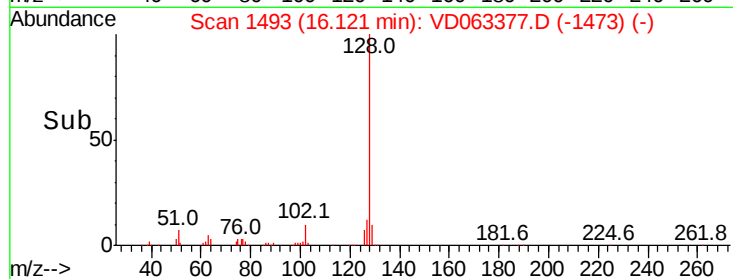
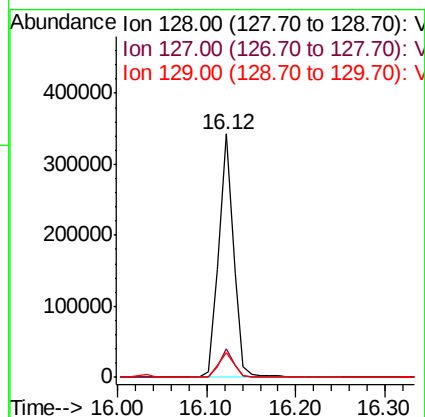
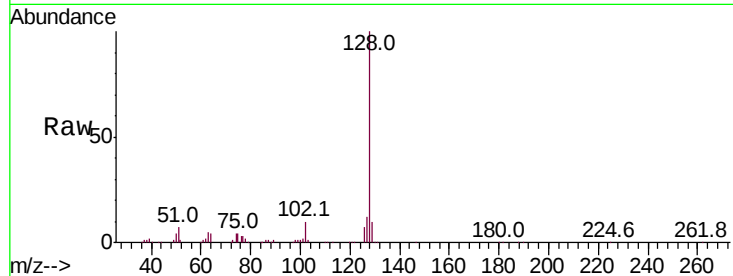




#95
Naphthalene
Concen: 20.114 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0805SBS01

Tot Ion:128 Resp: 402192
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.4
129 10.2 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 20.446 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063377.D
Acq: 5 Aug 2019 13:39

Tgt Ion:180 Resp: 228503
Ion Ratio Lower Upper
180 100
182 95.2 48.3 144.9
145 29.1 13.6 40.7

