

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063234.D
 Acq On : 30 Jul 2019 11:49
 Operator : VA/AP
 Sample : VD0730SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Quant Time: Jul 31 04:53:19 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	1074163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1463100	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1266423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	633123	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	570585	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
35) Dibromofluoromethane	6.91	113	664454	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
50) Toluene-d8	10.40	98	1482783	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
62) 4-Bromofluorobenzene	13.55	95	636805	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.56	85	293231	22.333	ug/l 95
3) Chloromethane	1.73	50	222840	21.844	ug/l 98
4) Vinyl Chloride	1.84	62	226510	21.448	ug/l 97
5) Bromomethane	2.13	94	84569	15.878	ug/l 93
6) Chloroethane	2.24	64	99899	20.489	ug/l # 84
7) Trichlorofluoromethane	2.52	101	404670	19.752	ug/l 94
8) Diethyl Ether	2.85	74	56267	19.623	ug/l 84
9) 1,1,2-Trichlorotrifluoroet	3.13	101	222582	19.613	ug/l 97
10) Methyl Iodide	3.29	142	315722	19.257	ug/l 96
11) Tert butyl alcohol	4.07	59	47265	90.363	ug/l 96
12) 1,1-Dichloroethene	3.11	96	170019	20.407	ug/l 83
13) Acrolein	3.02	56	41069	81.584	ug/l 92
14) Allyl chloride	3.60	41	270011	20.344	ug/l 87
15) Acrylonitrile	4.18	53	137328	101.269	ug/l 96
16) Acetone	3.22	43	230175	99.117	ug/l 100
17) Carbon Disulfide	3.35	76	539845	19.358	ug/l 100
18) Methyl Acetate	3.63	43	88090	19.748	ug/l 98
19) Methyl tert-butyl Ether	4.22	73	382406	20.319	ug/l 99
20) Methylene Chloride	3.80	84	184102	19.613	ug/l 98
21) trans-1,2-Dichloroethene	4.20	96	194310	20.785	ug/l 91
22) Diisopropyl ether	5.11	45	539491	20.345	ug/l 99
23) Vinyl Acetate	5.04	43	1657873	101.709	ug/l 99
24) 1,1-Dichloroethane	4.96	63	346647	20.466	ug/l 98
25) 2-Butanone	6.06	43	227476	97.605	ug/l # 86
26) 2,2-Dichloropropane	6.01	77	353331	20.242	ug/l 95
27) cis-1,2-Dichloroethene	6.02	96	199468	19.901	ug/l 94
28) Bromochloromethane	6.43	49	129849	19.241	ug/l 99
29) Tetrahydrofuran	6.45	42	101758	92.221	ug/l 96
30) Chloroform	6.65	83	436210	20.752	ug/l 91
31) Cyclohexane	6.94	56	214870	20.239	ug/l 93
32) 1,1,1-Trichloroethane	6.85	97	407972	20.065	ug/l 97
36) 1,1-Dichloropropene	7.13	75	287601	21.539	ug/l 100
37) Ethyl Acetate	6.18	43	113663	18.948	ug/l 95
38) Carbon Tetrachloride	7.10	117	411970	20.494	ug/l 92

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Instrument :
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 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)
39) Methylcyclohexane	8.86	83	241703	21.726	ug/l	98
40) Benzene	7.44	78	566269	20.235	ug/l	99
41) Methacrylonitrile	6.44	41	150091	20.916	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	297935	20.088	ug/l	97
43) Isopropyl Acetate	9.23	43	161140	21.029	ug/l #	98
44) Trichloroethene	8.53	130	228089	20.114	ug/l	93
45) 1,2-Dichloropropane	8.93	63	136755	19.226	ug/l	93
46) Dibromomethane	9.05	93	123623	20.902	ug/l	90
47) Bromodichloromethane	9.36	83	303302	20.118	ug/l	95
48) Methyl methacrylate	9.11	41	106605	21.450	ug/l	92
49) 1,4-Dioxane	9.06	88	17495	413.142	ug/l #	85
51) 4-Methyl-2-Pentanone	10.29	43	520002	99.782	ug/l	98
52) Toluene	10.50	92	373556	20.070	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	267383	20.571	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	286680	20.986	ug/l	88
55) 1,1,2-Trichloroethane	11.18	97	135568	21.566	ug/l	100
56) Ethyl methacrylate	11.03	69	138070	20.058	ug/l	96
57) 1,3-Dichloropropane	11.40	76	198670	20.059	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	318779	89.001	ug/l	99
59) 2-Hexanone	11.53	43	381986	101.713	ug/l	86
60) Dibromochloromethane	11.68	129	244472	20.601	ug/l	99
61) 1,2-Dibromoethane	11.80	107	155676	20.070	ug/l	95
64) Tetrachloroethene	11.25	164	198136	19.639	ug/l	96
65) Chlorobenzene	12.39	112	464803	19.081	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	211816	19.741	ug/l	96
67) Ethyl Benzene	12.52	91	838104	20.254	ug/l	99
68) m/p-Xylenes	12.67	106	529237	34.874	ug/l	98
69) o-Xylene	13.04	106	274931	19.728	ug/l	96
70) Styrene	13.07	104	499472	20.210	ug/l	99
71) Bromoform	13.23	173	139723	17.906	ug/l	100
73) Isopropylbenzene	13.40	105	873189	21.974	ug/l	98
74) N-amyl acetate	13.26	43	199203	18.963	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	143393	21.244	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	147414	19.385	ug/l	100
77) Bromobenzene	13.66	156	223810	19.772	ug/l	92
78) n-propylbenzene	13.77	91	995091	21.043	ug/l	96
79) 2-Chlorotoluene	13.84	91	590614	21.555	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	744384	21.719	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	41748	19.770	ug/l	81
82) 4-Chlorotoluene	13.95	91	697617	21.634	ug/l	97
83) tert-Butylbenzene	14.18	119	785815	20.081	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	761344	21.477	ug/l	99
85) sec-Butylbenzene	14.36	105	868493	21.065	ug/l	99
86) p-Isopropyltoluene	14.49	119	813338	20.668	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	413268	20.615	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	391748	19.325	ug/l	97
89) n-Butylbenzene	14.79	91	671812	19.766	ug/l	99
90) Hexachloroethane	15.00	117	205712	20.064	ug/l	92
91) 1,2-Dichlorobenzene	14.80	146	325782	18.652	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	31494	22.906	ug/l	85

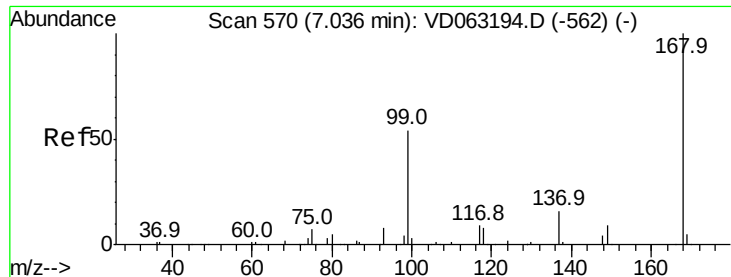
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073019\
Data File : VD063234.D
Acq On : 30 Jul 2019 11:49
Operator : VA/AP
Sample : VD0730SBSD01
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	269669	19.462	ug/l	96
94) Hexachlorobutadiene	16.03	225	201293	20.047	ug/l	95
95) Naphthalene	16.12	128	372323	19.012	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	235834	21.545	ug/l	93

(#) = 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: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

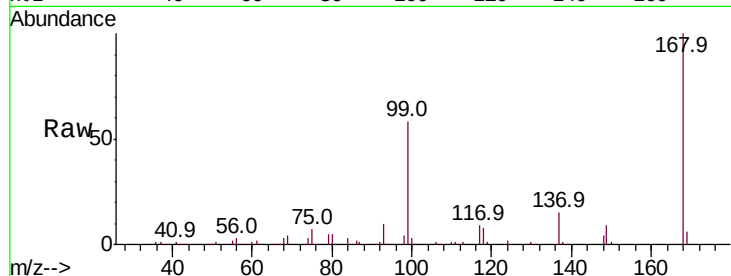
VD0730SBSD01

Tot Ion:168 Resp: 1074163

Ion Ratio Lower Upper

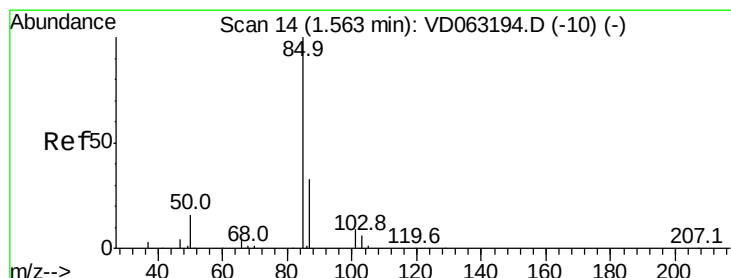
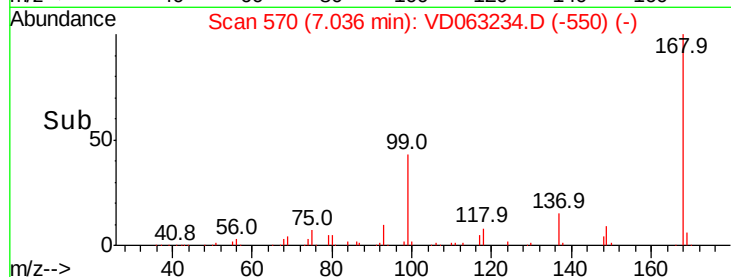
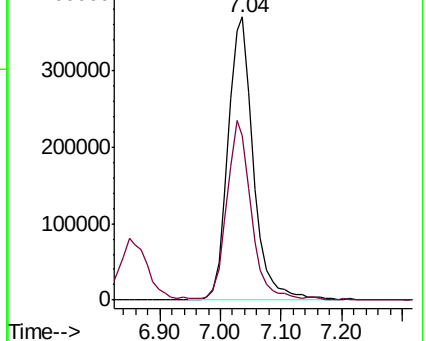
168 100

99 58.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 22.333 ug/l

RT: 1.56 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063234.D

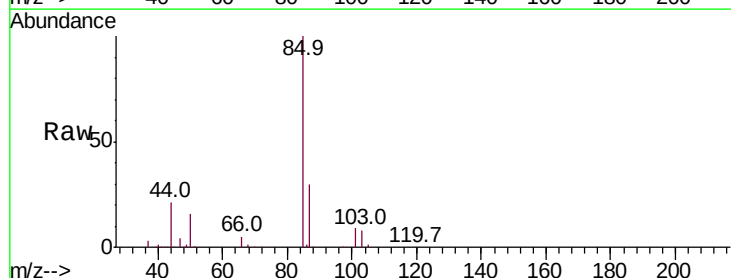
Acq: 30 Jul 2019 11:49

Tgt Ion: 85 Resp: 293231

Ion Ratio Lower Upper

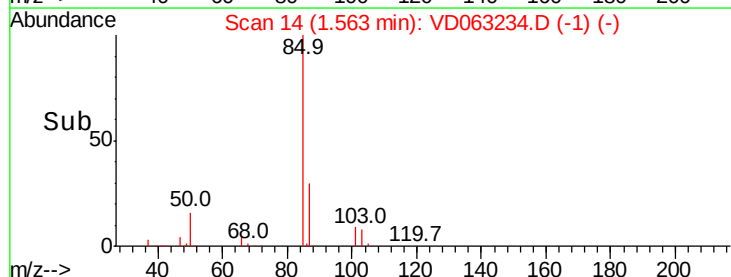
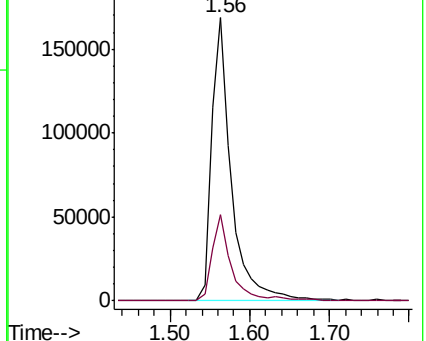
85 100

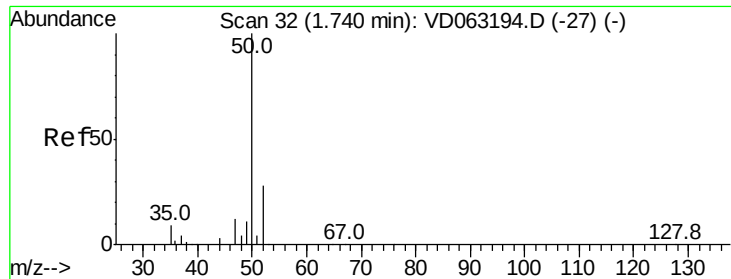
87 30.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.844 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

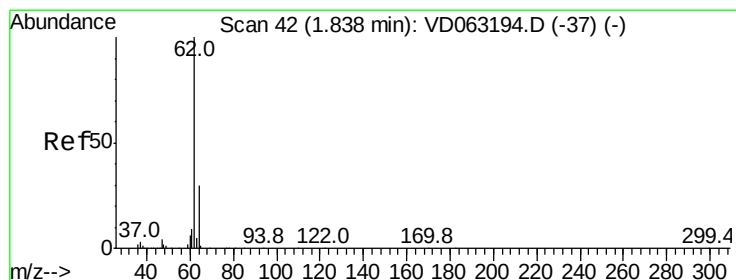
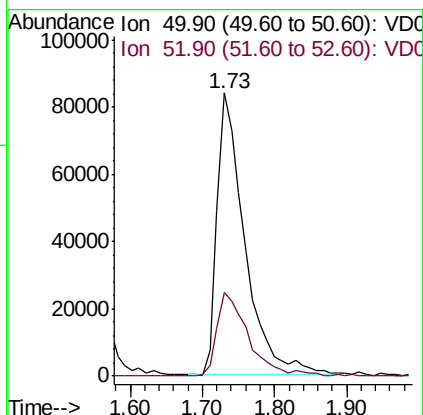
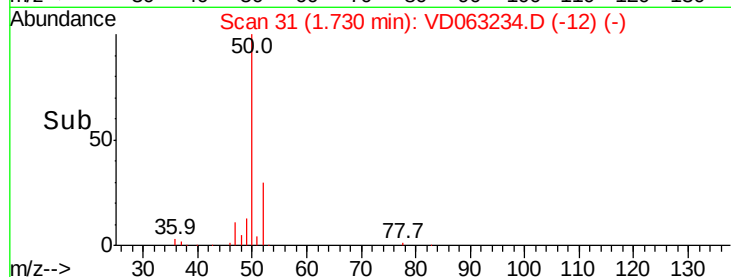
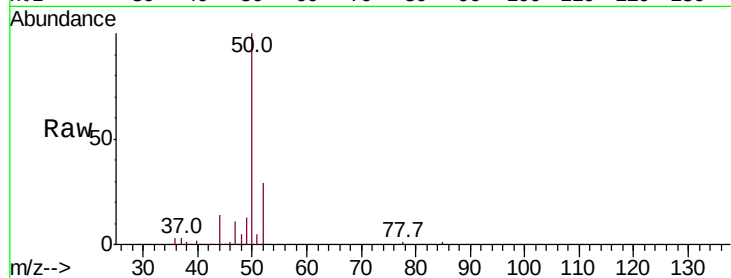
VD0730SBS01

Tot Ion: 50 Resp: 222840

Ion Ratio Lower Upper

50 100

52 29.4 22.6 34.0



#4

Vinyl Chloride

Concen: 21.448 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063234.D

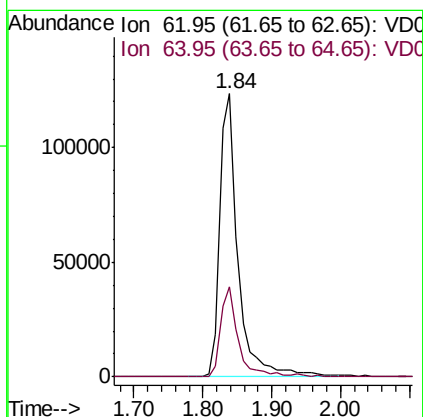
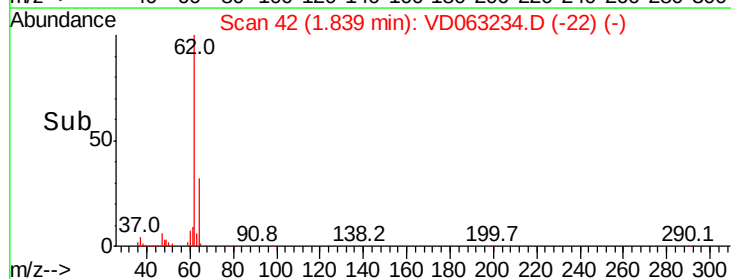
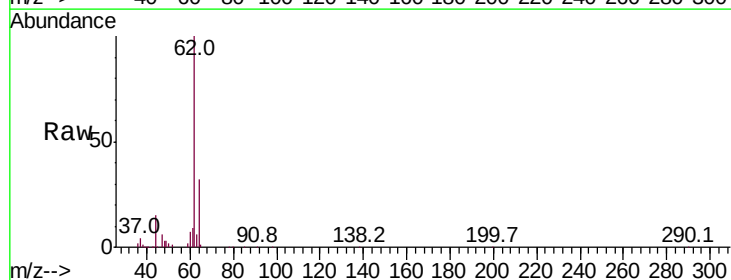
Acq: 30 Jul 2019 11:49

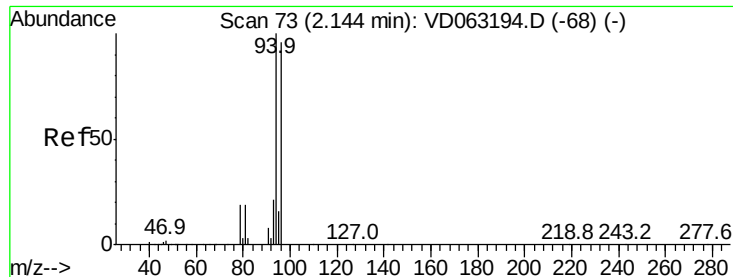
Tgt Ion: 62 Resp: 226510

Ion Ratio Lower Upper

62 100

64 31.7 24.1 36.1





#5

Bromomethane

Concen: 15.878 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBSD01

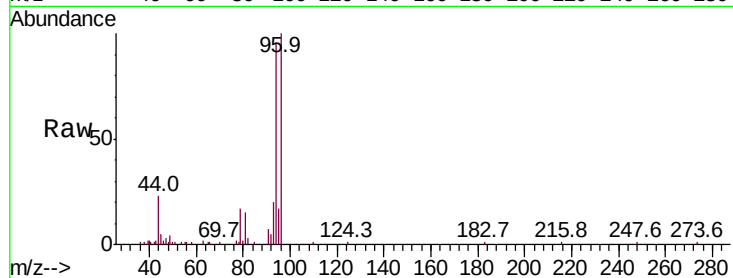
Tot Ion: 94 Resp: 84569

Ion	Ratio	Lower	Upper
94	100		
96	103.9	76.4	114.6
93	21.1	17.3	25.9

94 100

96 103.9 76.4 114.6

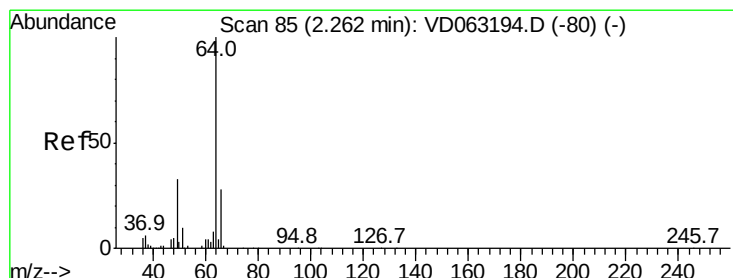
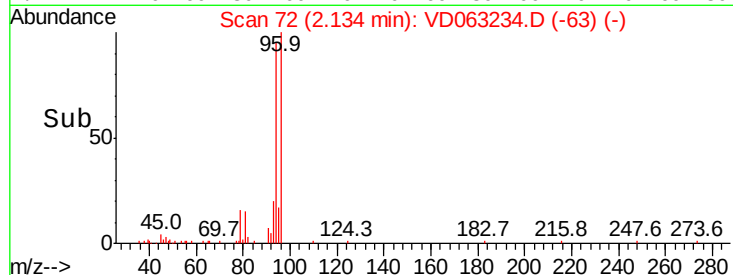
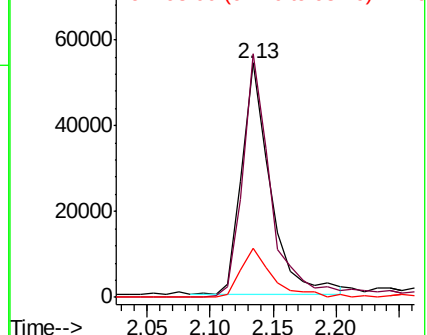
93 21.1 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 20.489 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD063234.D

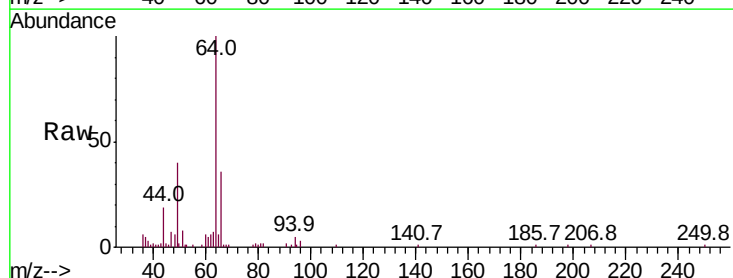
Acq: 30 Jul 2019 11:49

Tgt Ion: 64 Resp: 99899

Ion	Ratio	Lower	Upper
64	100		
66	36.0	22.2	33.2

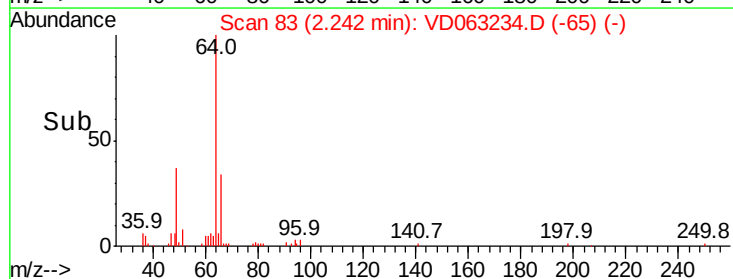
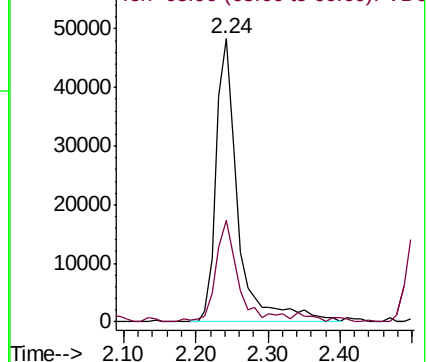
64 100

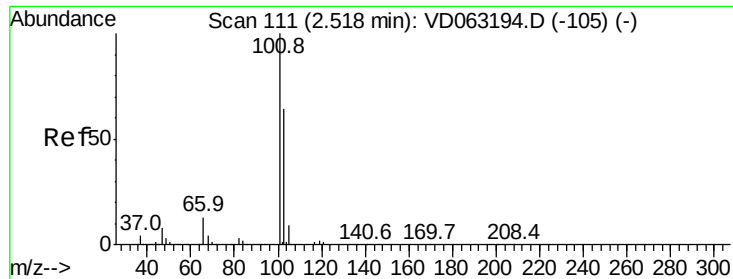
66 36.0 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



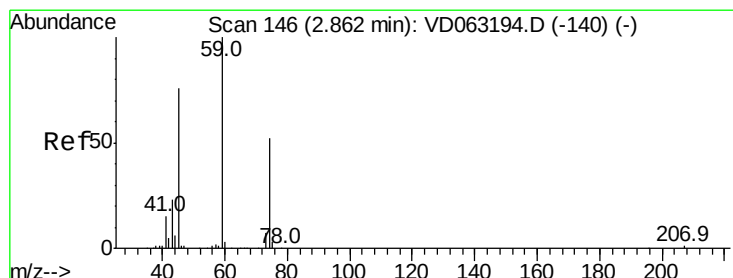
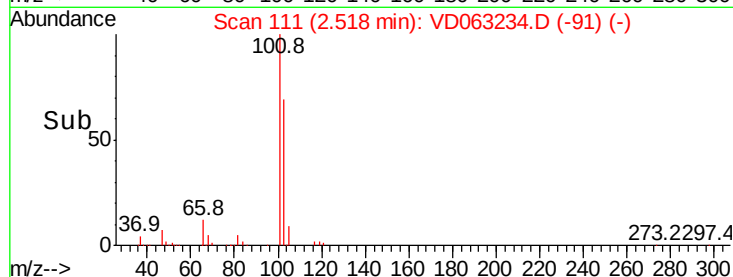
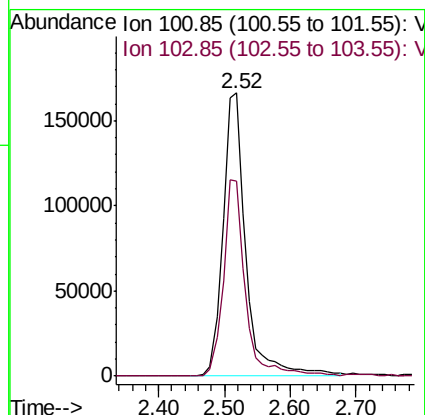
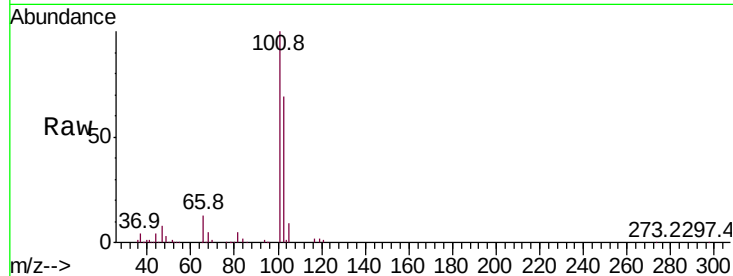


#7

Trichlorofluoromethane
Concen: 19.752 ug/l
RT: 2.52 min Scan# 111
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

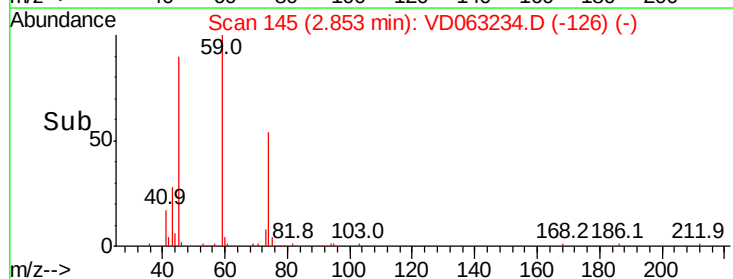
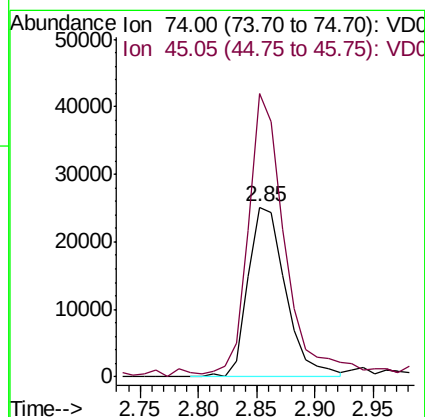
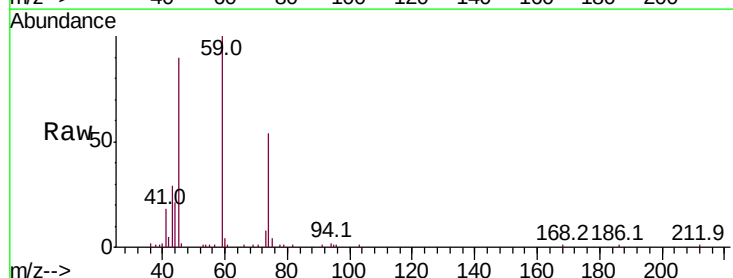
Tot Ion:101 Resp: 404670
Ion Ratio Lower Upper
101 100
103 69.0 51.5 77.3

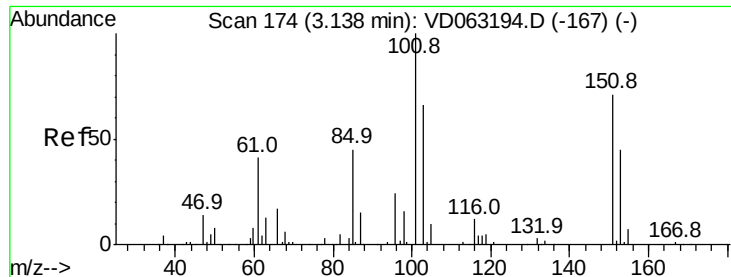


#8

Diethyl Ether
Concen: 19.623 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.01 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Tgt Ion: 74 Resp: 56267
Ion Ratio Lower Upper
74 100
45 167.0 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.613 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBSD01

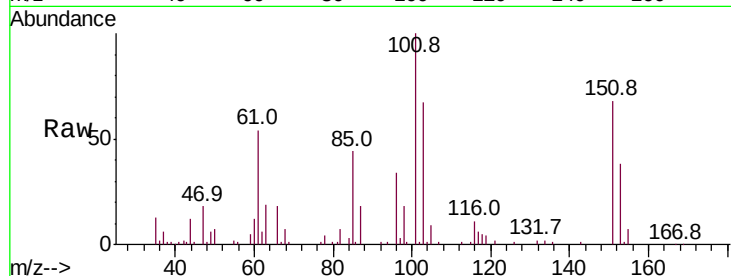
Tot Ion:101 Resp: 222582

Ion Ratio Lower Upper

101 100

85 43.8 36.1 54.1

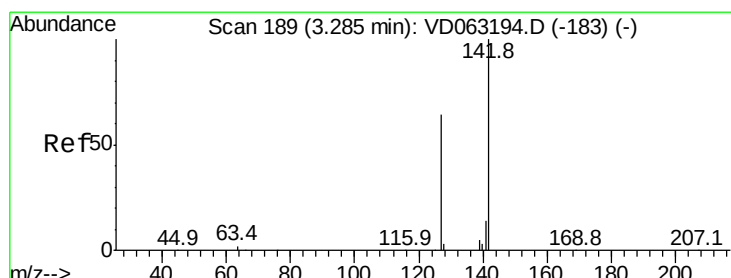
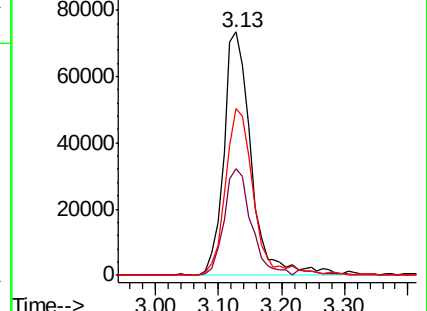
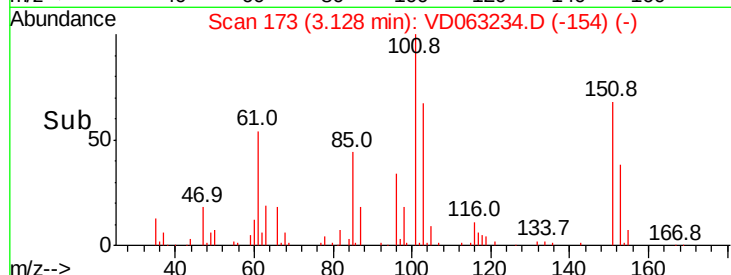
151 68.4 57.1 85.7



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: 19.257 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

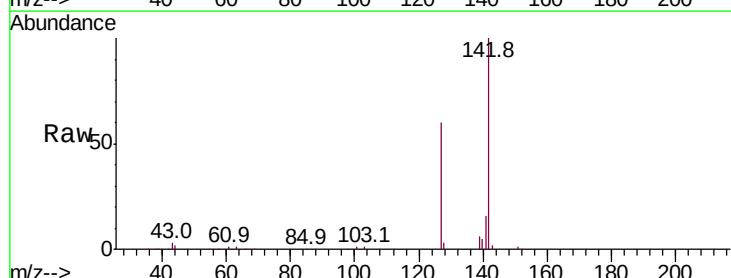
Tgt Ion:142 Resp: 315722

Ion Ratio Lower Upper

142 100

127 60.5 50.8 76.2

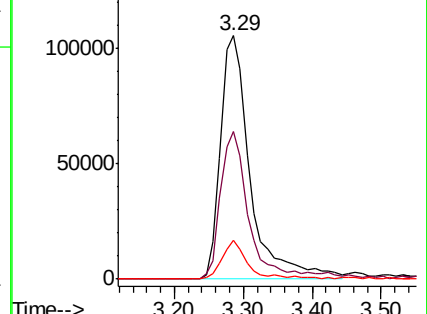
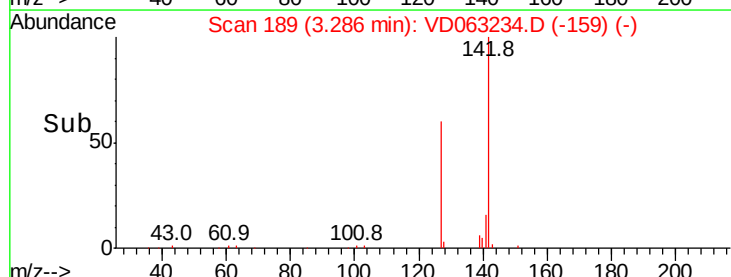
141 16.0 11.4 17.2

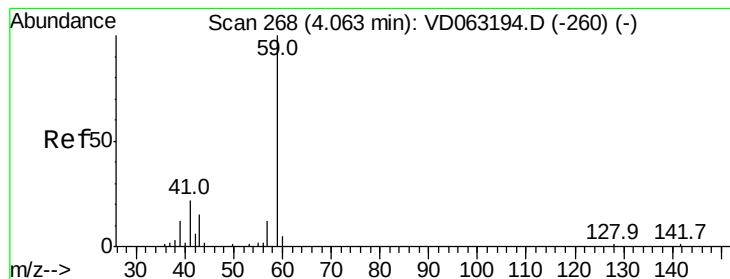


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



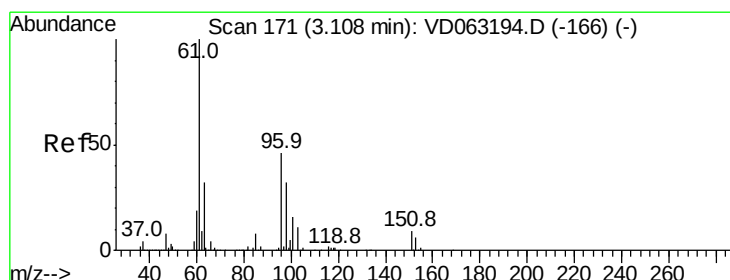
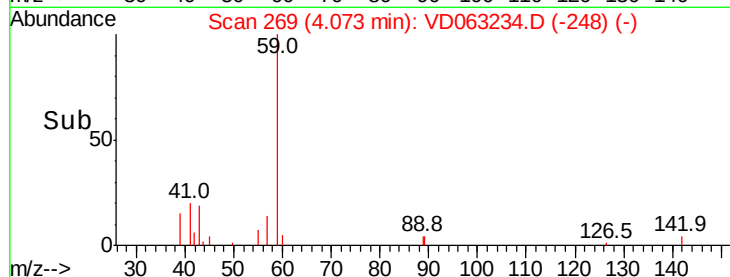
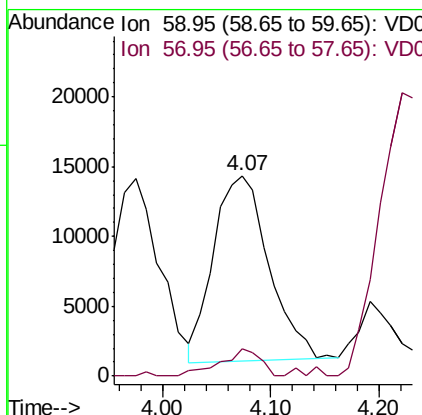
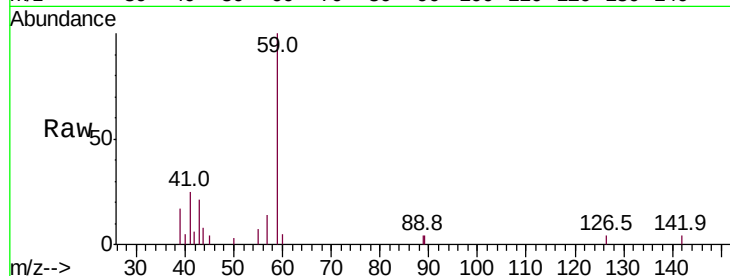


#11

Tert butyl alcohol
Concen: 90.363 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

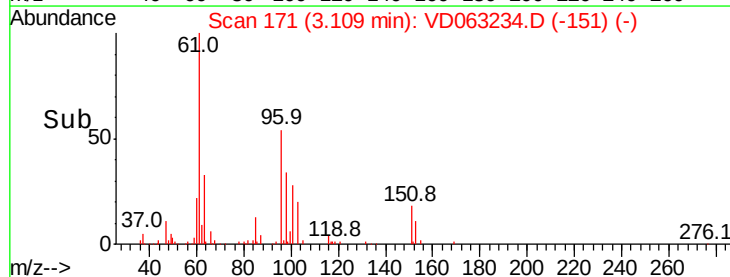
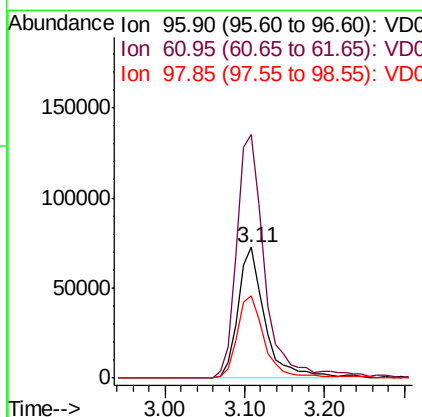
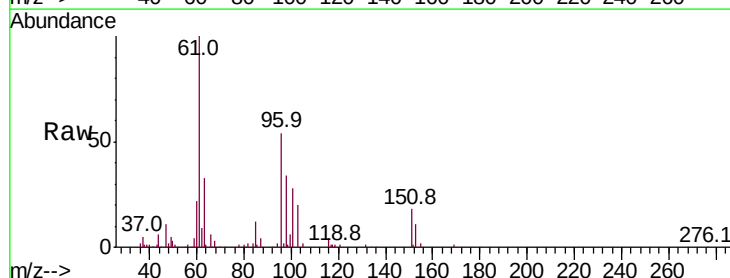
Tot Ion: 59 Resp: 47265
Ion Ratio Lower Upper
59 100
57 13.6 9.6 14.4

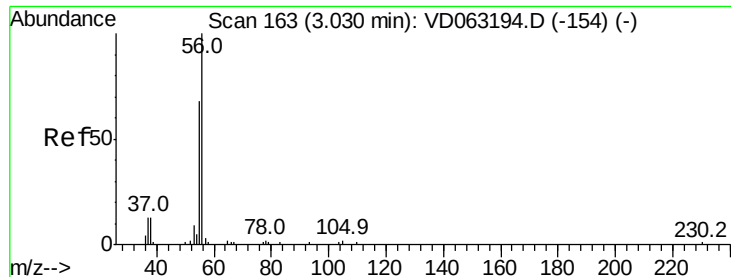


#12

1,1-Dichloroethene
Concen: 20.407 ug/l
RT: 3.11 min Scan# 171
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Tgt Ion: 96 Resp: 170019
Ion Ratio Lower Upper
96 100
61 186.4 173.7 260.5
98 62.6 55.8 83.8





#13

Acrolein

Concen: 81.584 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

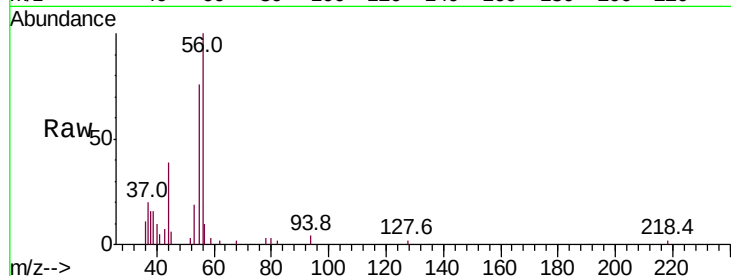
VD0730SBS01

Tot Ion: 56 Resp: 41069

Ion Ratio Lower Upper

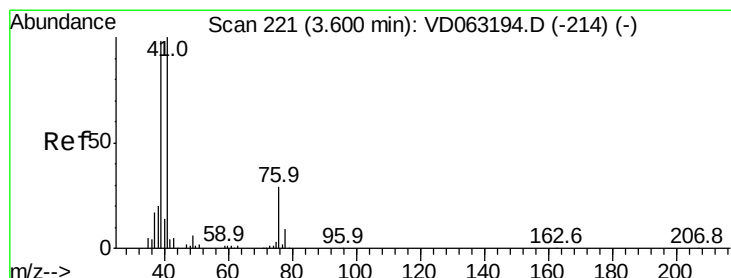
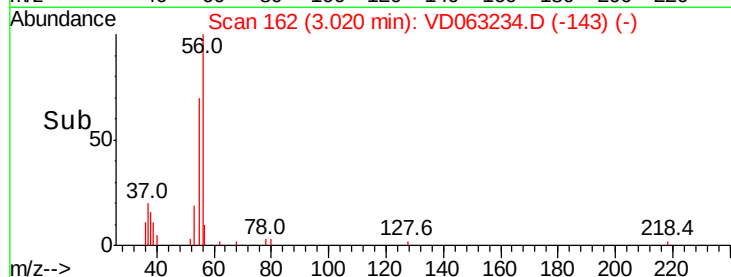
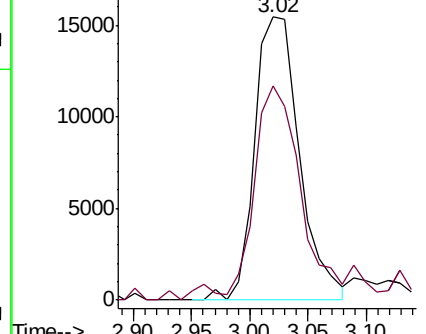
56 100

55 75.9 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: 20.344 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

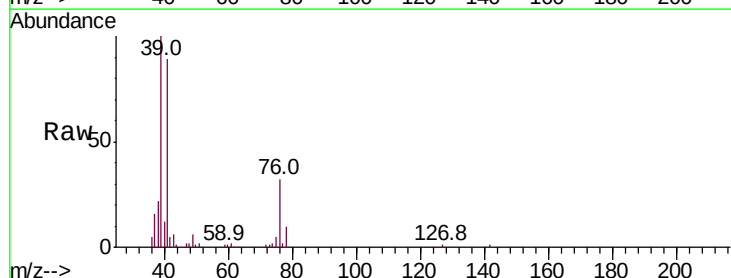
Tgt Ion: 41 Resp: 270011

Ion Ratio Lower Upper

41 100

39 112.0 78.6 117.8

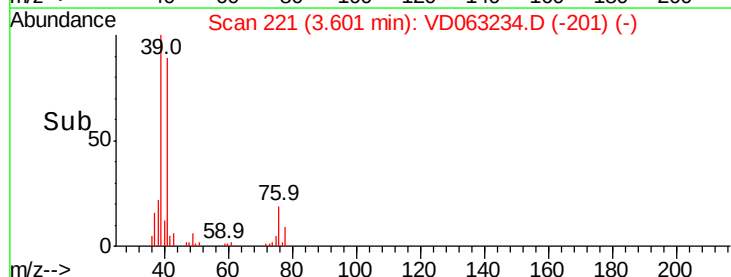
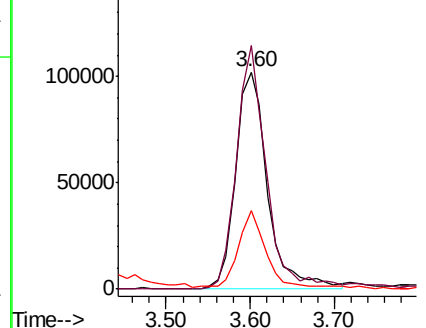
76 36.1 24.5 36.7

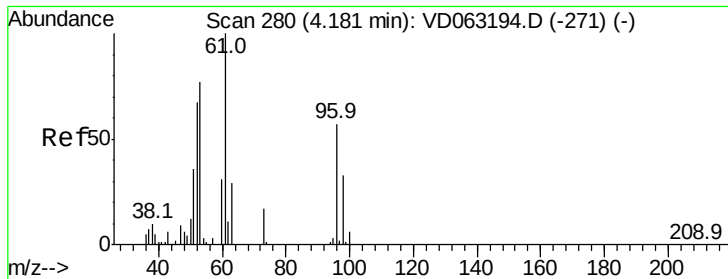


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 101.269 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

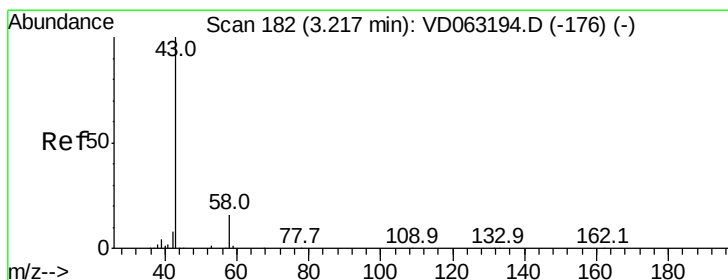
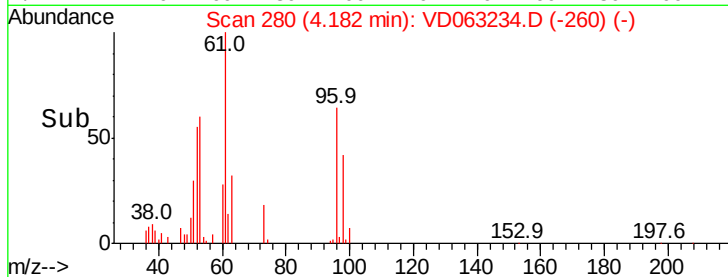
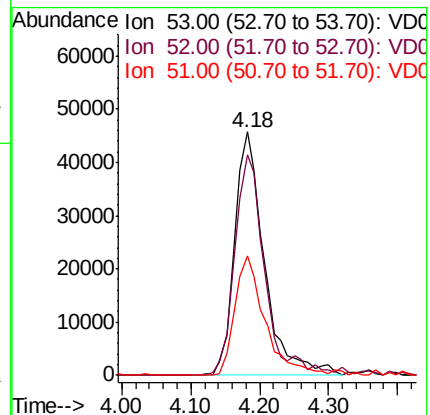
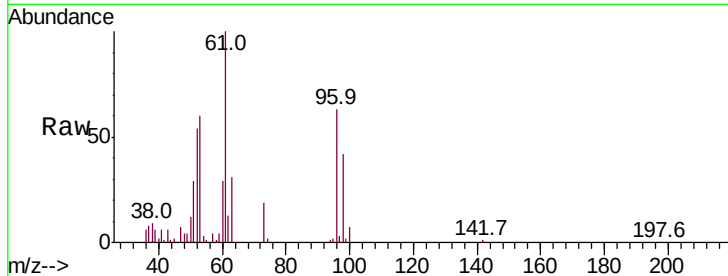
Tot Ion: 53 Resp: 137328

Ion Ratio Lower Upper

53 100

52 90.5 69.7 104.5

51 49.0 37.4 56.0



#16

Acetone

Concen: 99.117 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063234.D

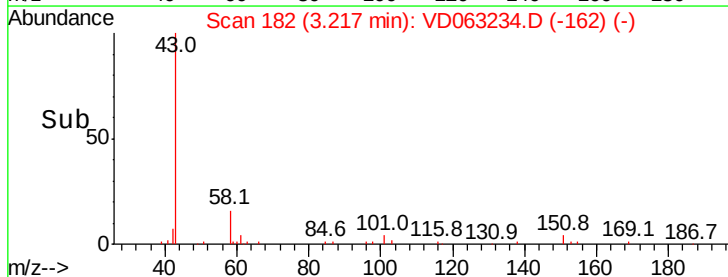
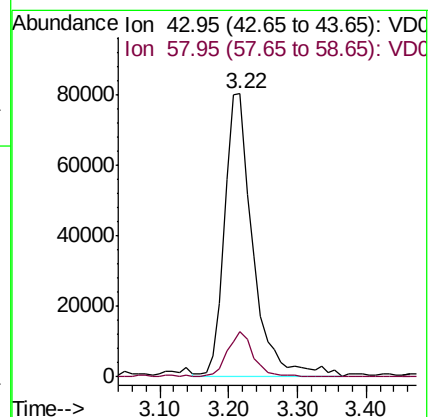
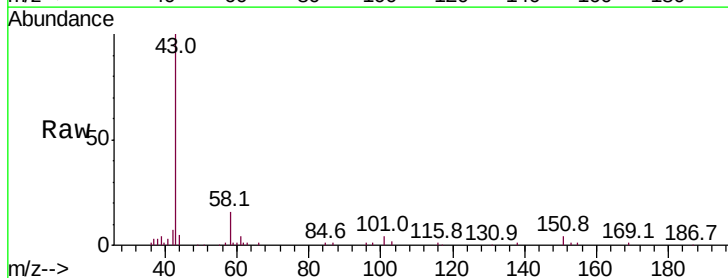
Acq: 30 Jul 2019 11:49

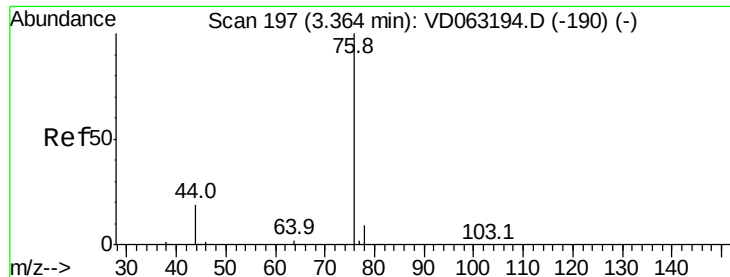
Tgt Ion: 43 Resp: 230175

Ion Ratio Lower Upper

43 100

58 16.1 13.0 19.4

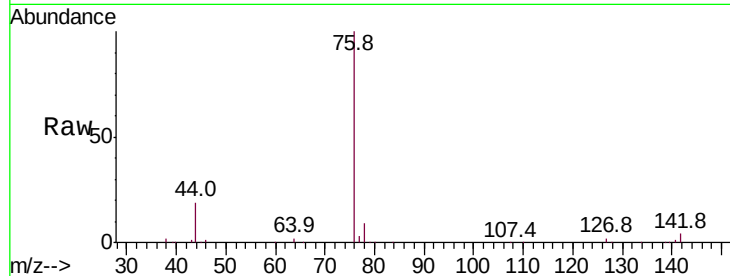




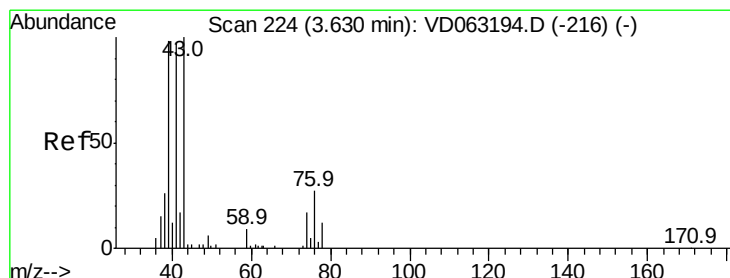
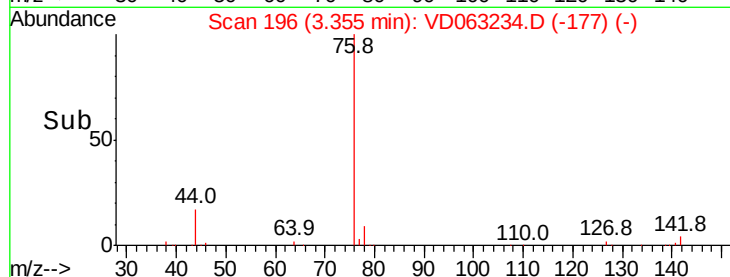
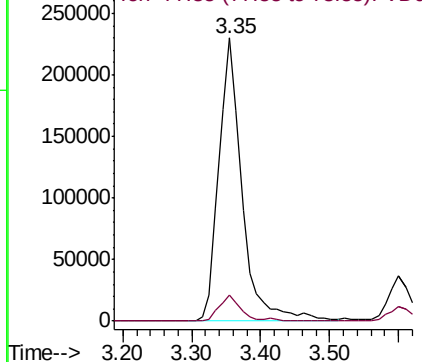
#17
Carbon Disulfide
Concen: 19.358 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

Tot Ion: 76 Resp: 539845
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

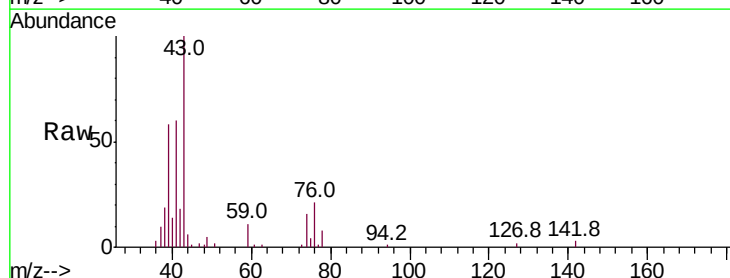


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

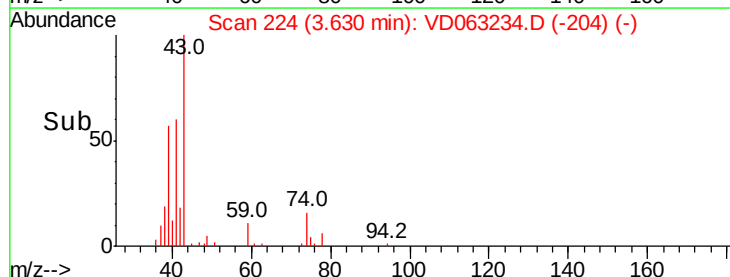
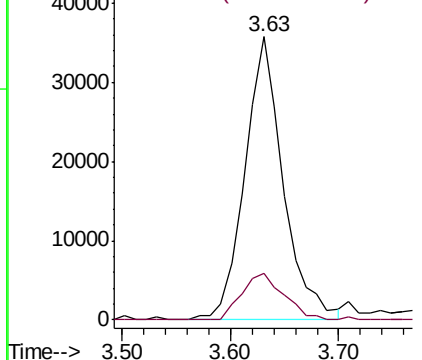


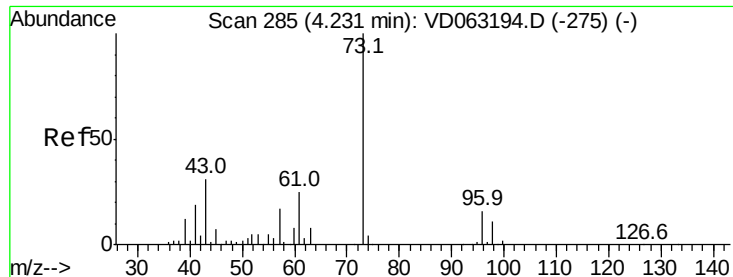
#18
Methyl Acetate
Concen: 19.748 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Tgt Ion: 43 Resp: 88090
Ion Ratio Lower Upper
43 100
74 16.4 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

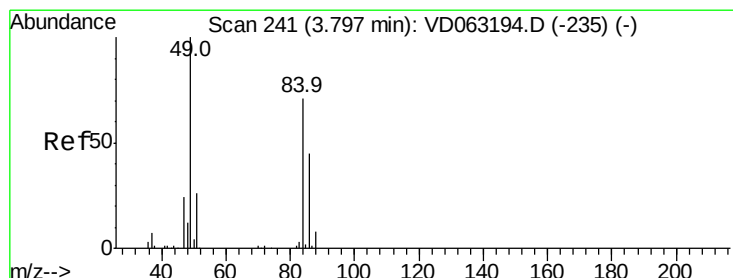
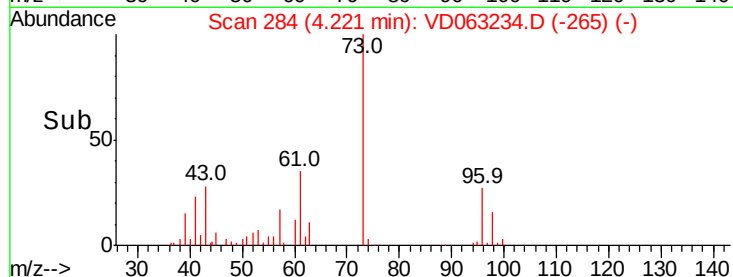
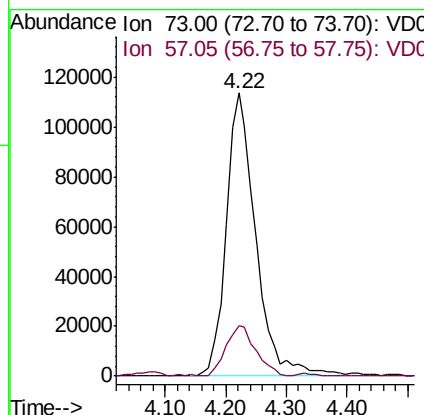
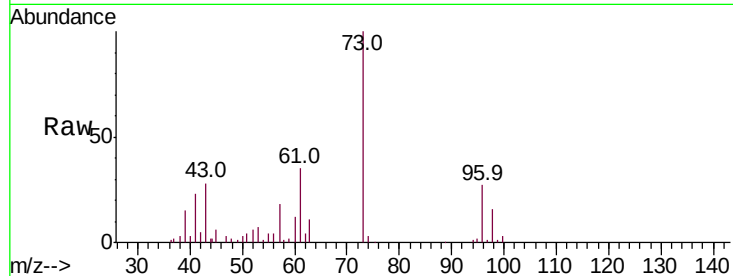




#19
Methyl tert-butyl Ether
Concen: 20.319 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

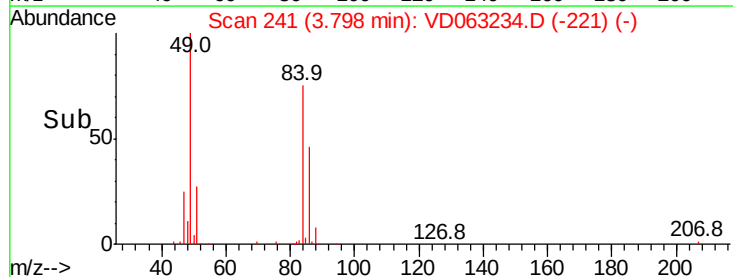
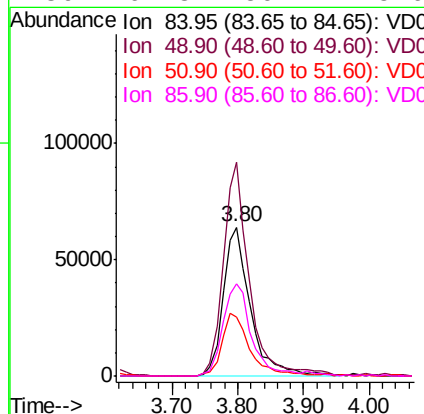
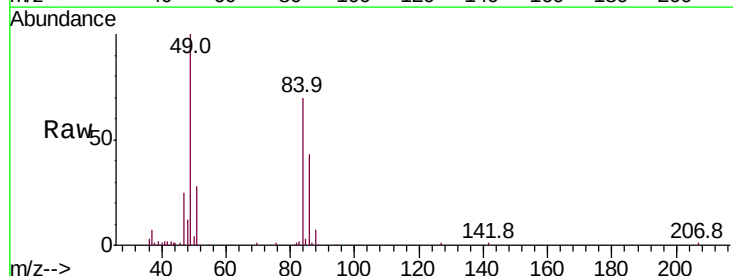
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

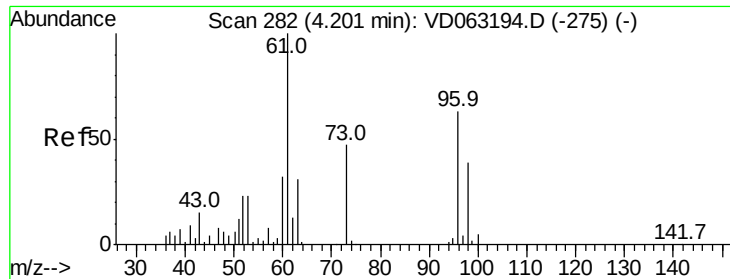
Tot Ion: 73 Resp: 382406
Ion Ratio Lower Upper
73 100
57 17.8 13.8 20.6



#20
Methylene Chloride
Concen: 19.613 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Tgt Ion: 84 Resp: 184102
Ion Ratio Lower Upper
84 100
49 143.3 112.5 168.7
51 39.4 29.6 44.4
86 61.8 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.785 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

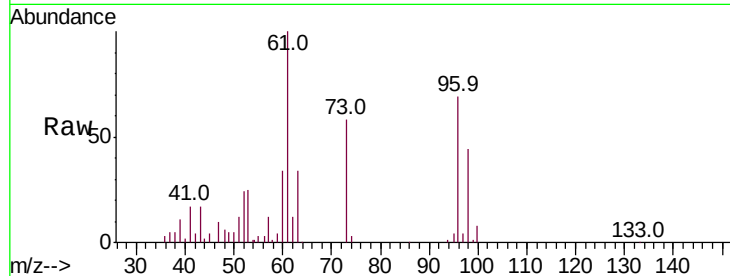
Tot Ion: 96 Resp: 194310

Ion Ratio Lower Upper

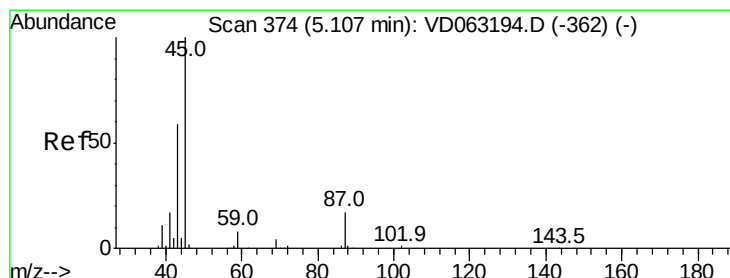
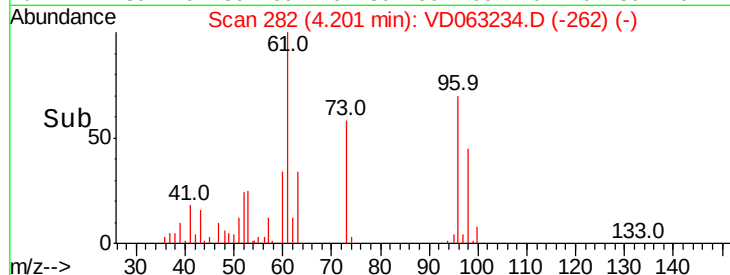
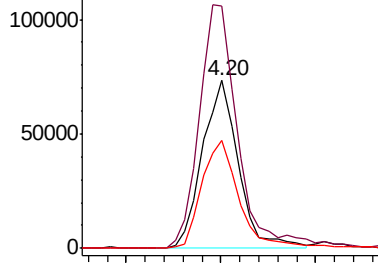
96 100

61 144.6 127.4 191.2

98 64.3 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: 20.345 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Tgt Ion: 45 Resp: 539491

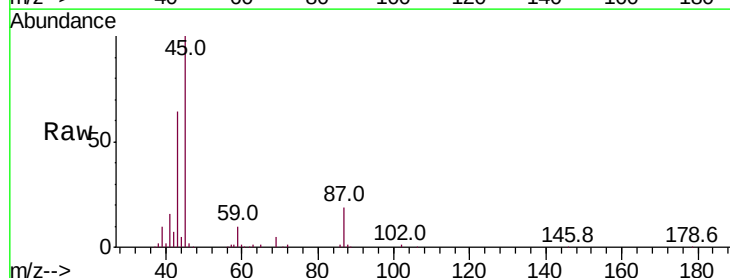
Ion Ratio Lower Upper

45 100

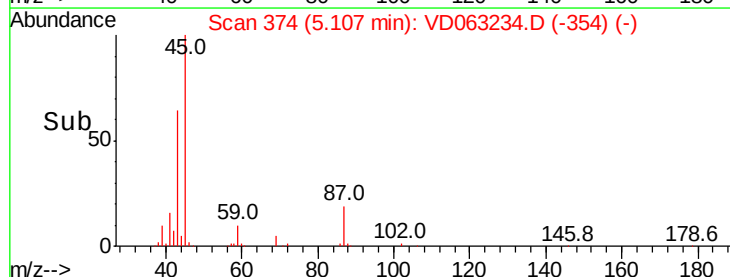
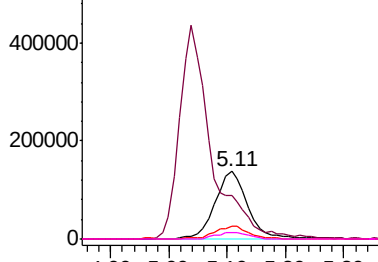
43 64.3 51.7 77.5

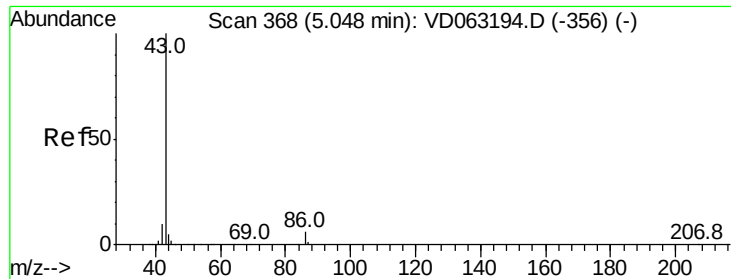
87 19.3 14.6 21.8

59 9.9 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

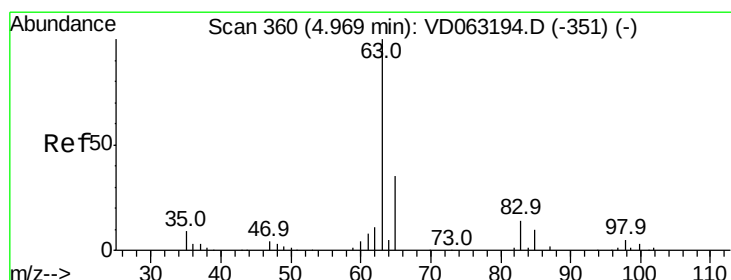
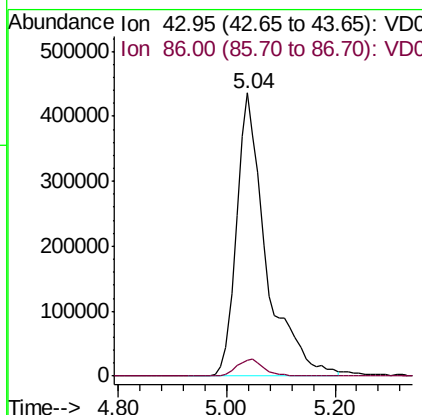
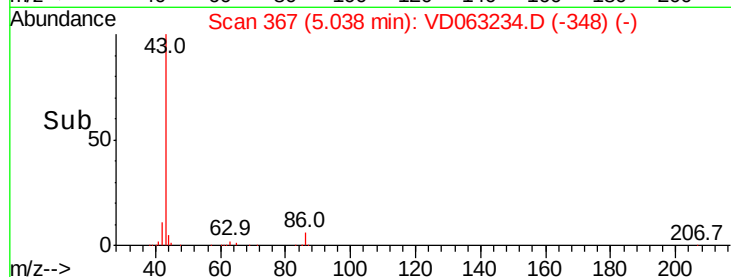
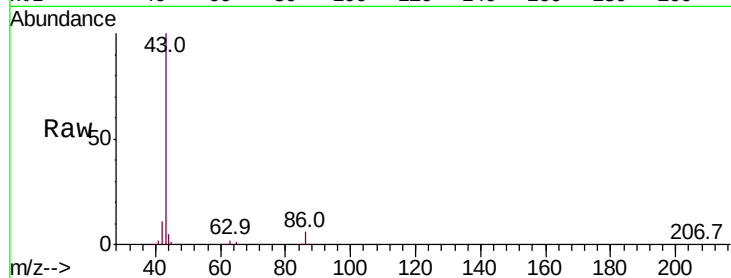




#23
Vinyl Acetate
Concen: 101.709 ug/l
RT: 5.04 min Scan# 367
Delta R.T. -0.01 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

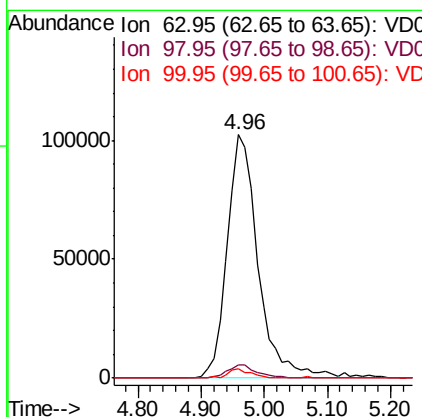
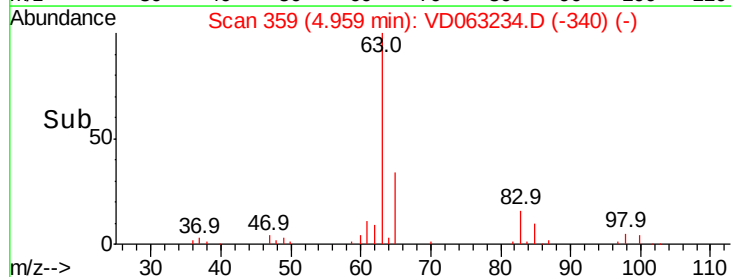
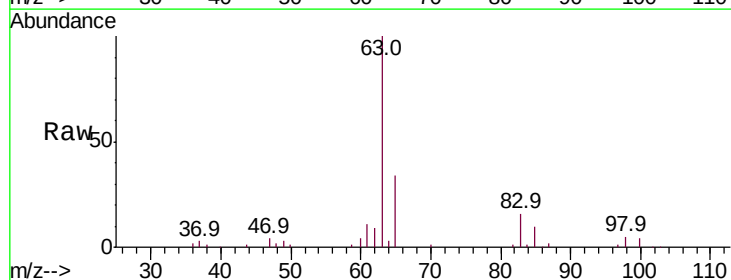
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

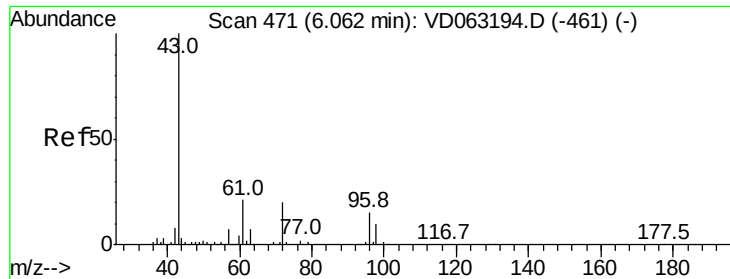
Tot Ion: 43 Resp: 1657873
Ion Ratio Lower Upper
43 100
86 5.7 4.9 7.3



#24
1,1-Dichloroethane
Concen: 20.466 ug/l
RT: 4.96 min Scan# 359
Delta R.T. -0.01 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Tgt Ion: 63 Resp: 346647
Ion Ratio Lower Upper
63 100
98 5.2 2.8 8.4
100 3.8 1.3 3.9





#25

2-Butanone

Concen: 97.605 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

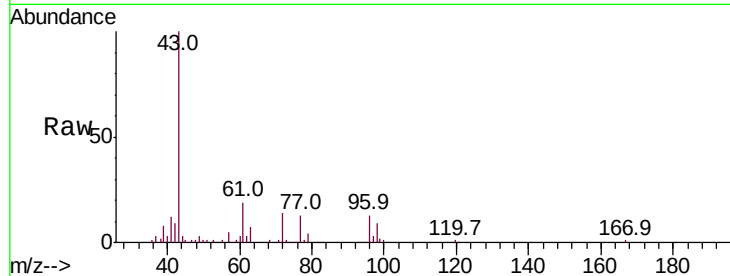
VD0730SBSD01

Tot Ion: 43 Resp: 227476

Ion Ratio Lower Upper

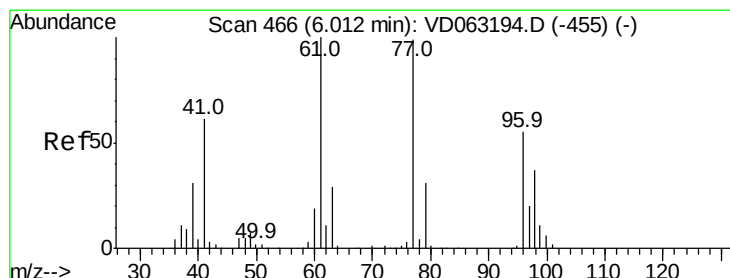
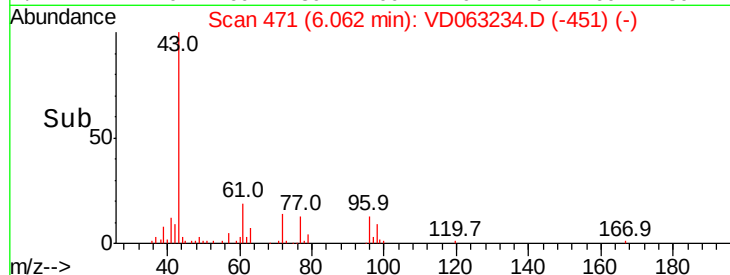
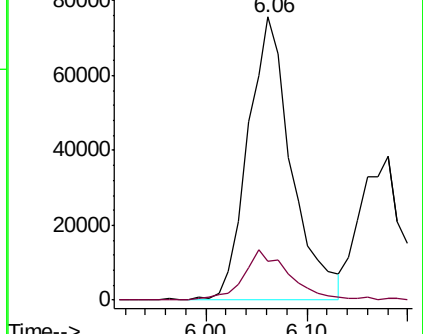
43 100

72 13.8 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.242 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063234.D

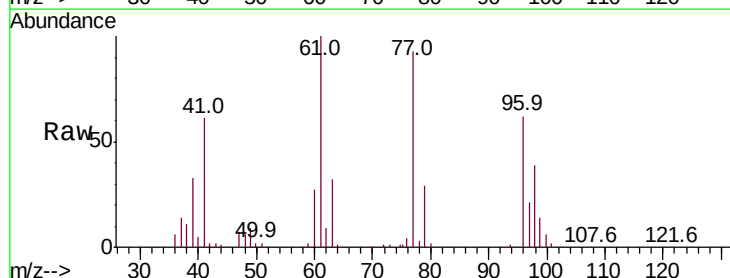
Acq: 30 Jul 2019 11:49

Tgt Ion: 77 Resp: 353331

Ion Ratio Lower Upper

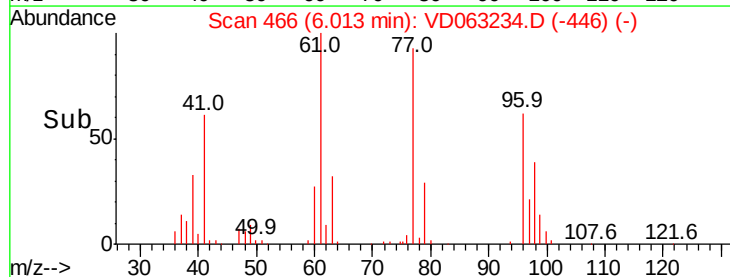
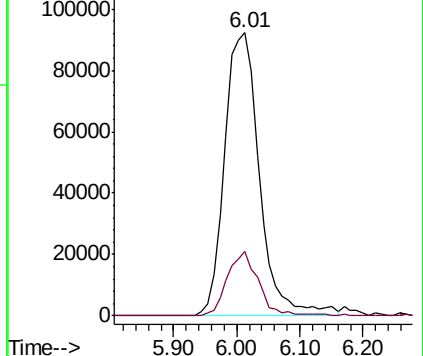
77 100

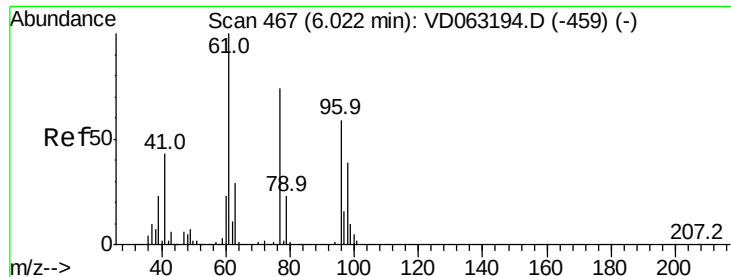
97 22.9 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



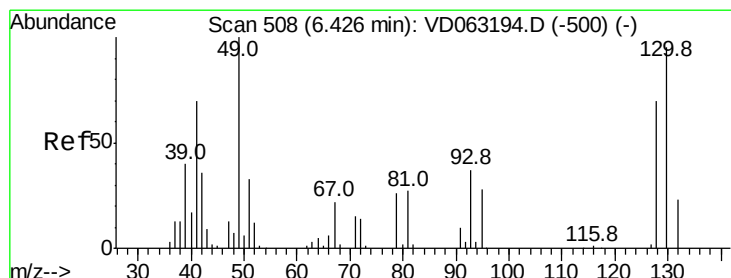
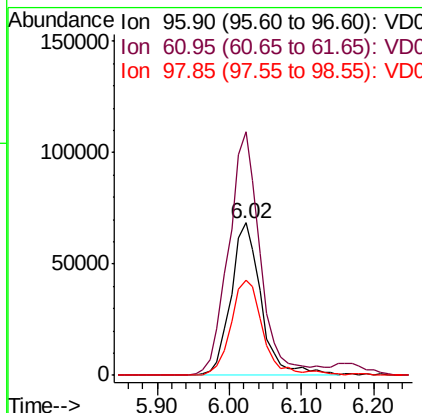
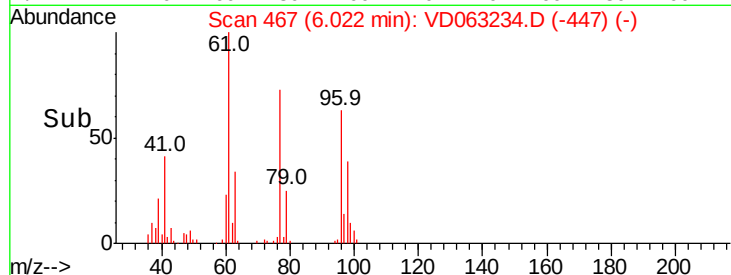
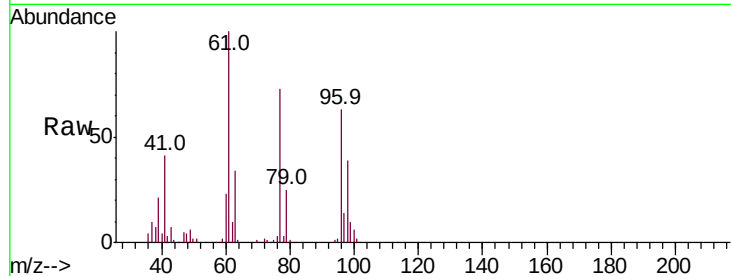


#27

cis-1,2-Dichloroethene
 Concen: 19.901 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VD063234.D
 Acq: 30 Jul 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBSD01

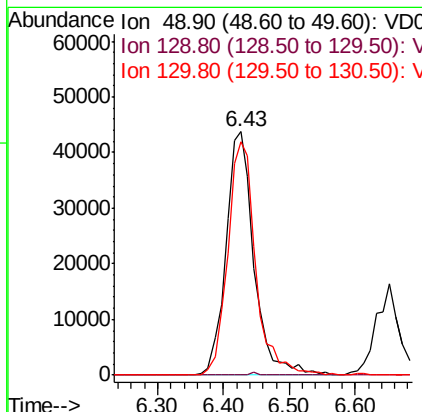
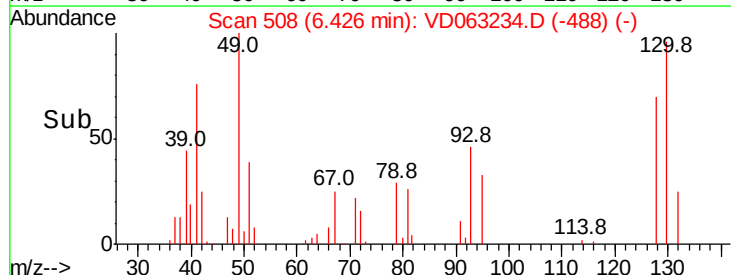
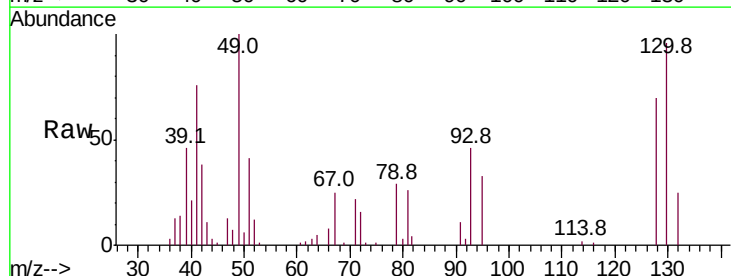
Tot Ion	96	Resp	199468
Ion	Ratio	Lower	Upper
96	100		
61	159.8	0.0	337.2
98	62.5	0.0	130.6

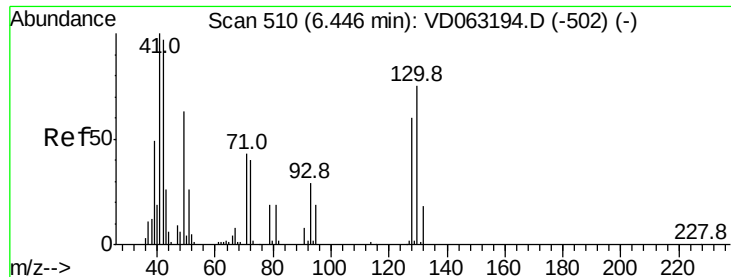


#28

Bromochloromethane
 Concen: 19.241 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VD063234.D
 Acq: 30 Jul 2019 11:49

Tgt Ion	49	Resp	129849
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	95.8	75.7	113.5





#29

Tetrahydrofuran

Concen: 92.221 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

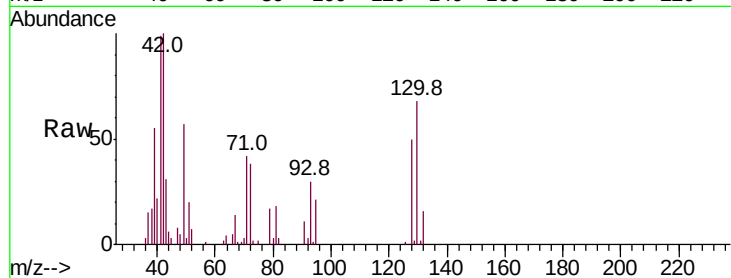
Tot Ion: 42 Resp: 101758

Ion Ratio Lower Upper

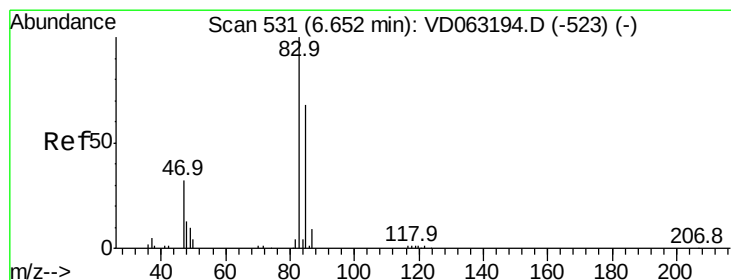
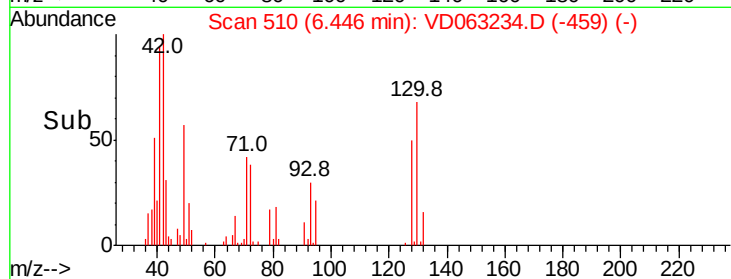
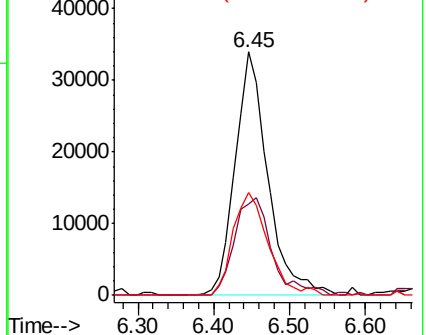
42 100

72 46.0 33.4 50.2

71 45.2 35.7 53.5



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



#30

Chloroform

Concen: 20.752 ug/l

RT: 6.65 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD063234.D

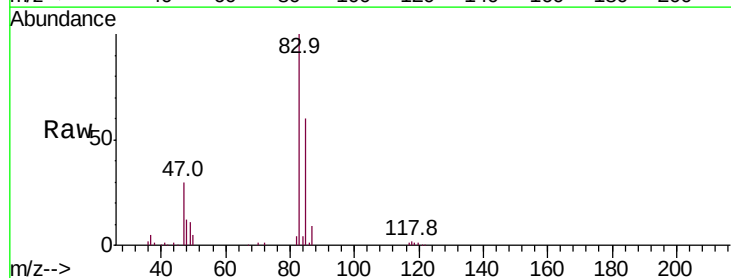
Acq: 30 Jul 2019 11:49

Tgt Ion: 83 Resp: 436210

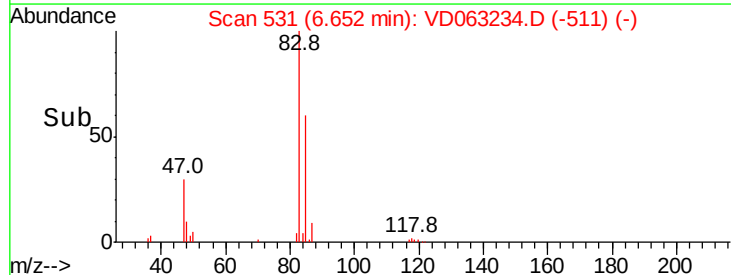
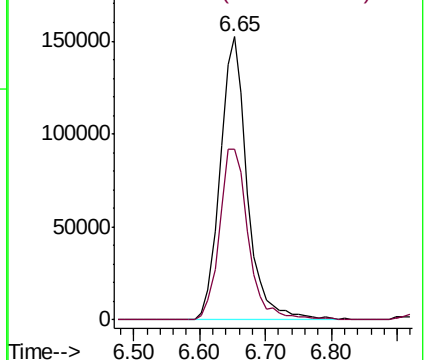
Ion Ratio Lower Upper

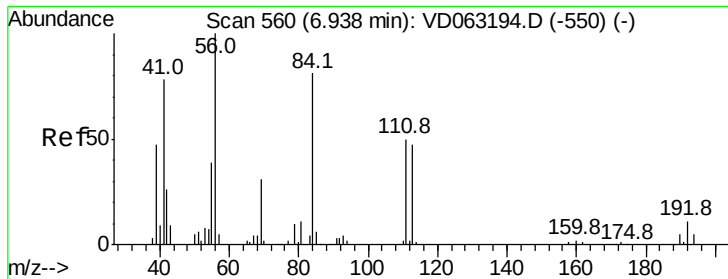
83 100

85 60.3 54.2 81.4



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





#31

Cyclohexane

Concen: 20.239 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

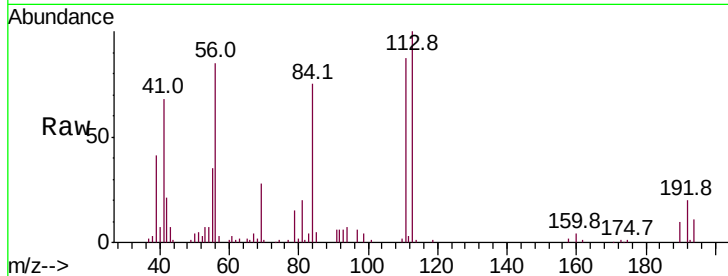
Tot Ion: 56 Resp: 214870

Ion Ratio Lower Upper

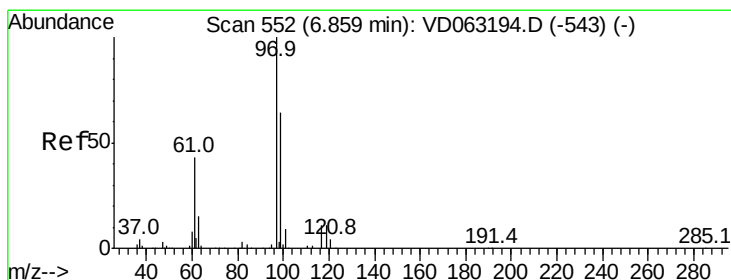
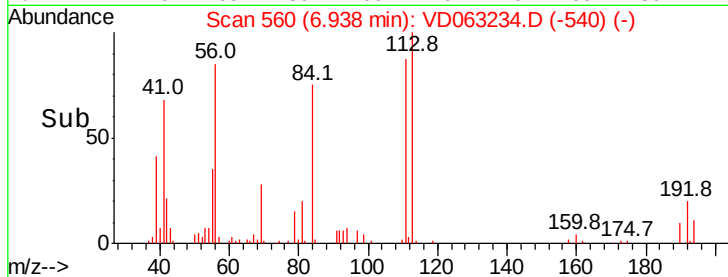
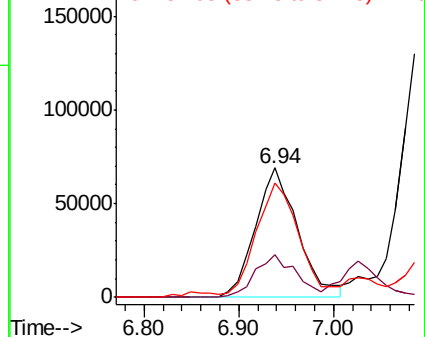
56 100

69 32.7 24.5 36.7

84 88.4 64.9 97.3



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



#32

1,1,1-Trichloroethane

Concen: 20.065 ug/l

RT: 6.85 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

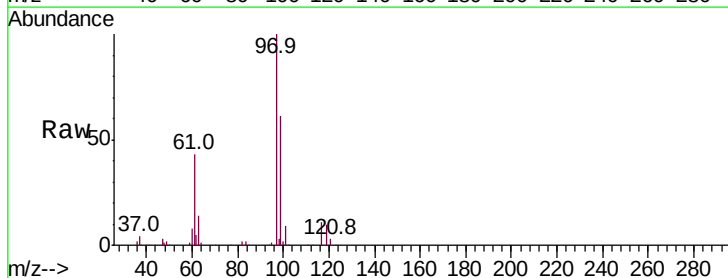
Tgt Ion: 97 Resp: 407972

Ion Ratio Lower Upper

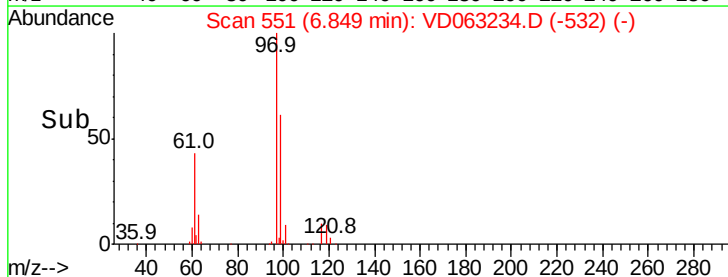
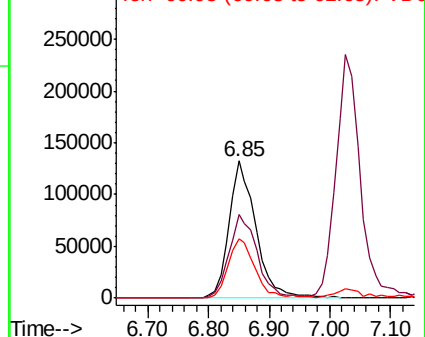
97 100

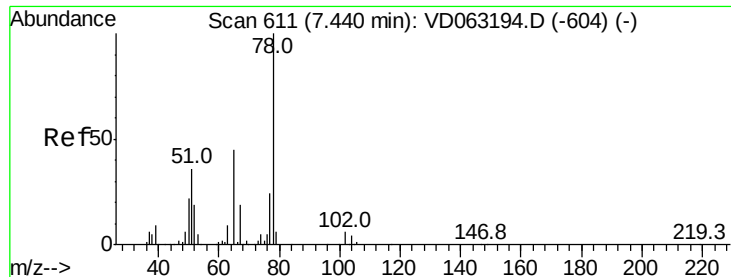
99 60.9 51.2 76.8

61 43.4 34.2 51.2



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

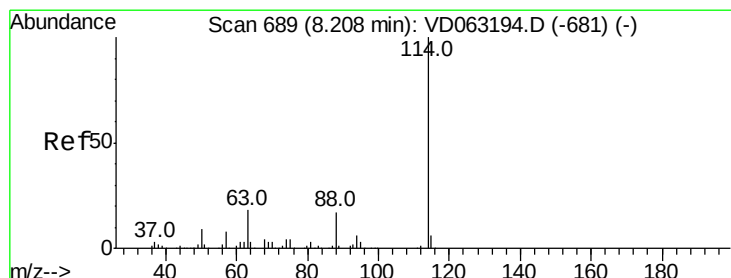
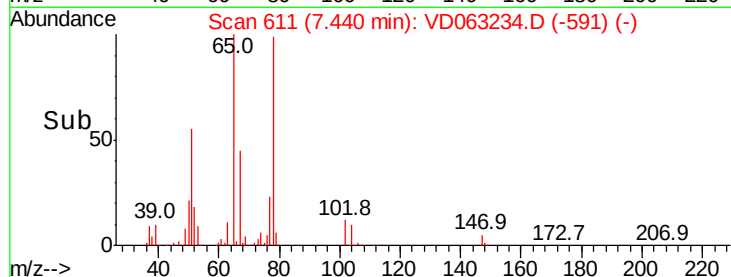
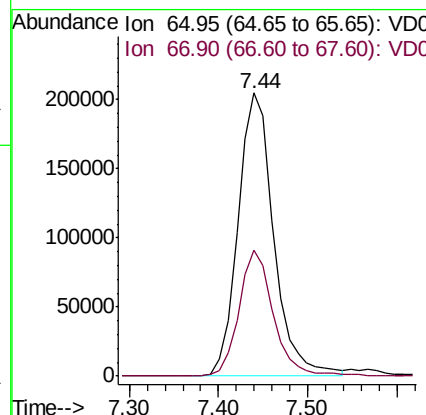
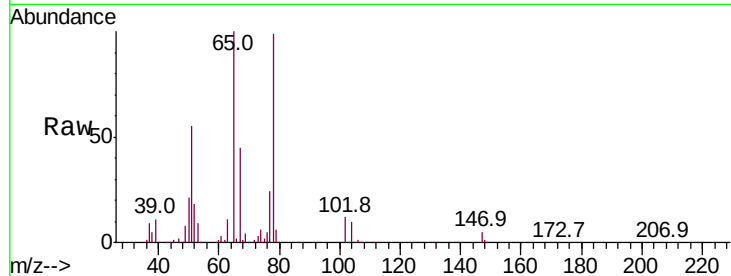




#33
 1,2-Dichloroethane-d4
 Concen: 47.872 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063234.D
 Acq: 30 Jul 2019 11:49

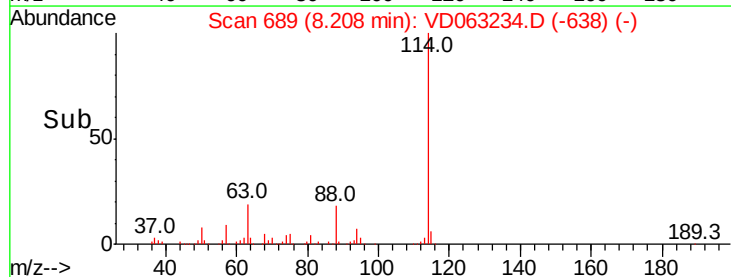
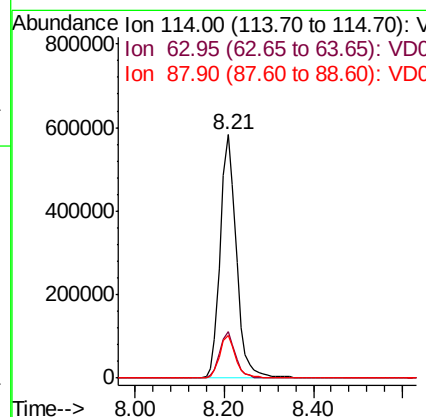
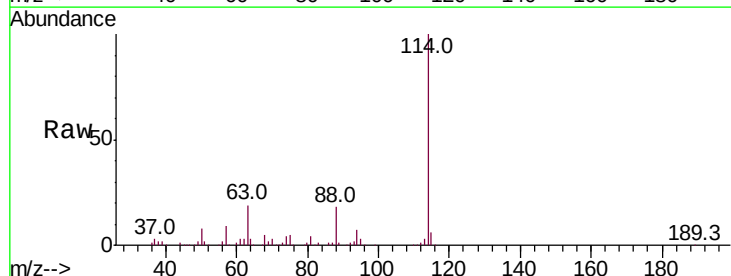
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBSD01

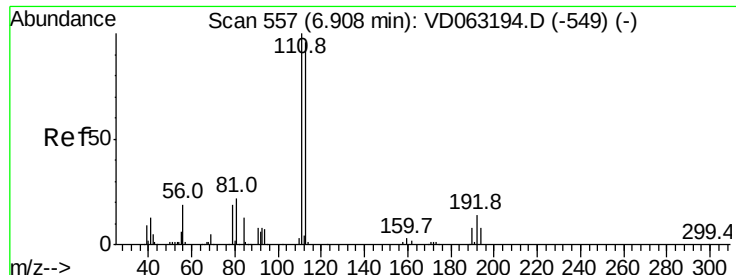
Tot Ion: 65 Resp: 570585
 Ion Ratio Lower Upper
 65 100
 67 44.7 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063234.D
 Acq: 30 Jul 2019 11:49

Tgt Ion: 114 Resp: 1463100
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 35.2
 88 17.6 0.0 34.6





#35

Dibromofluoromethane

Concen: 53.191 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBSD01

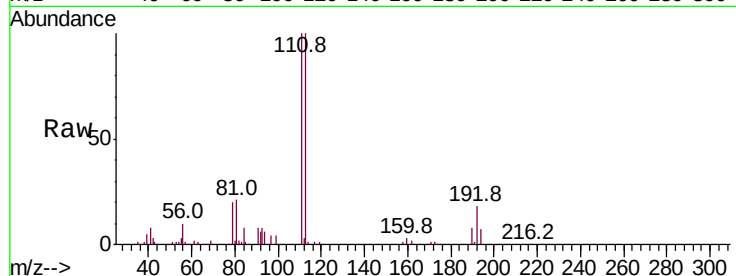
Tot Ion:113 Resp: 664454

Ion Ratio Lower Upper

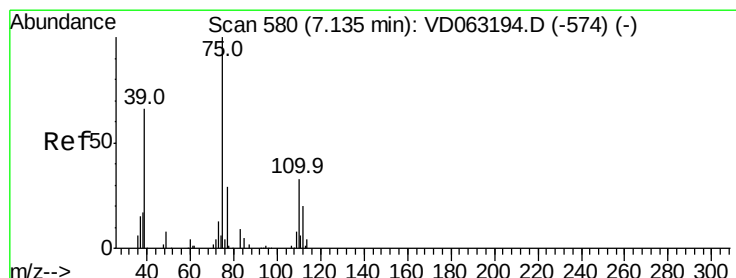
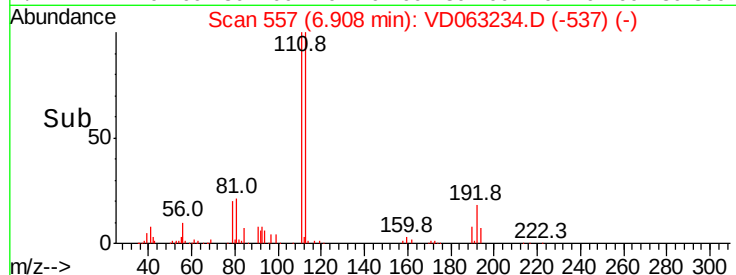
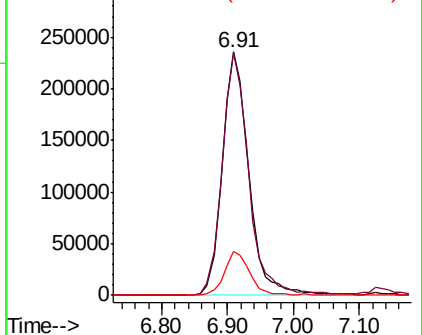
113 100

111 99.6 83.2 124.8

192 17.9 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: 21.539 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

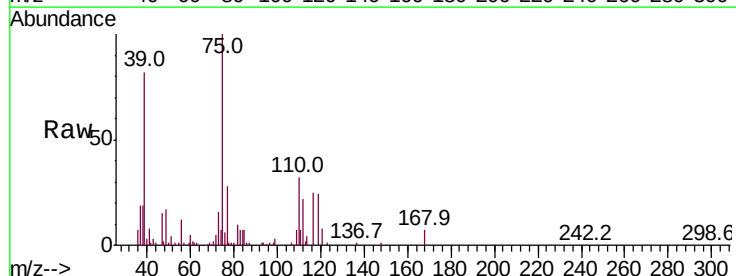
Tgt Ion: 75 Resp: 287601

Ion Ratio Lower Upper

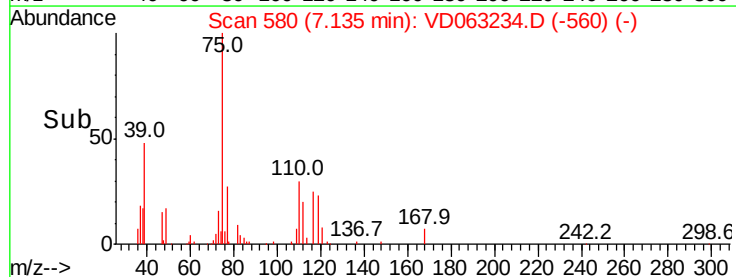
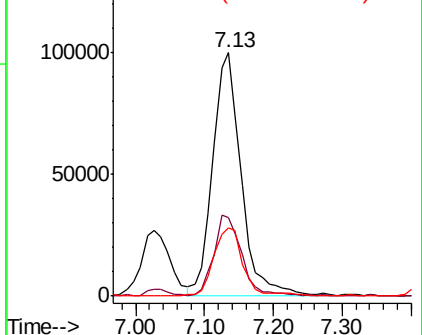
75 100

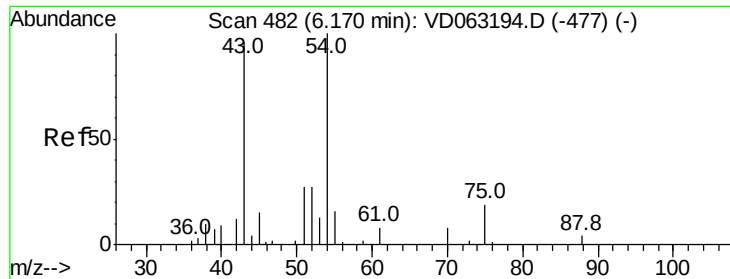
110 32.1 16.1 48.2

77 28.1 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

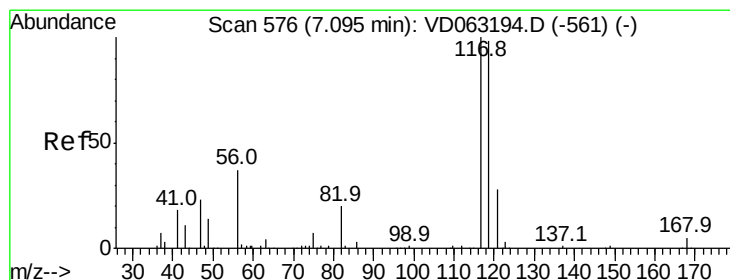
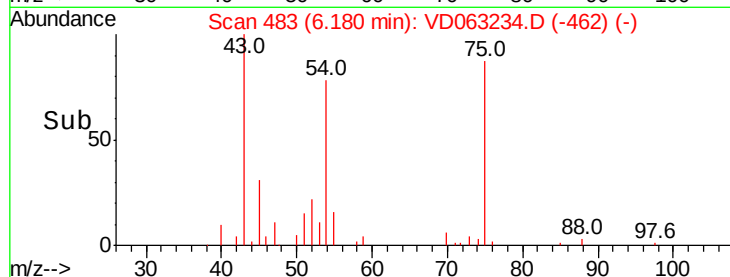
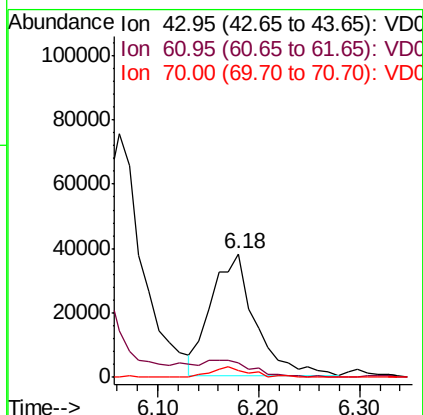
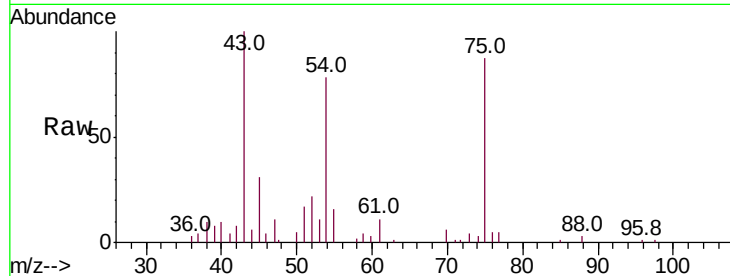




#37
Ethyl Acetate
Concen: 18.948 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

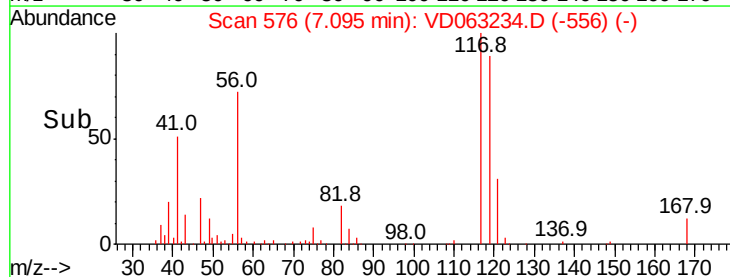
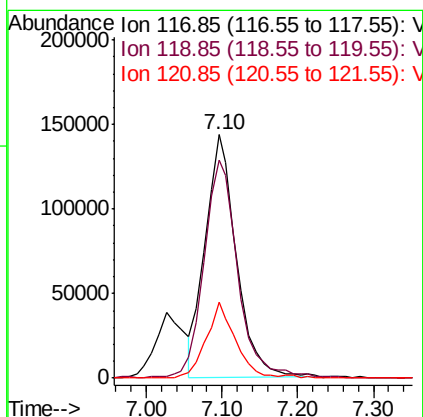
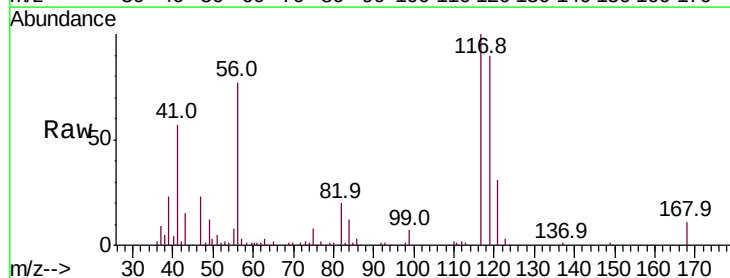
Instrument :
MSVOA_D
ClientSampleID :
VD0730SBS01

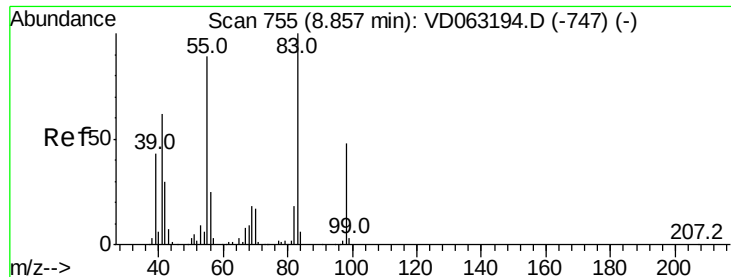
Tot Ion: 43 Resp: 113663
Ion Ratio Lower Upper
43 100
61 11.5 11.3 16.9
75 5.7 5.1 7.7



#38
Carbon Tetrachloride
Concen: 20.494 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Tgt Ion: 117 Resp: 411970
Ion Ratio Lower Upper
117 100
119 89.6 78.2 117.2
121 31.0 22.1 33.1

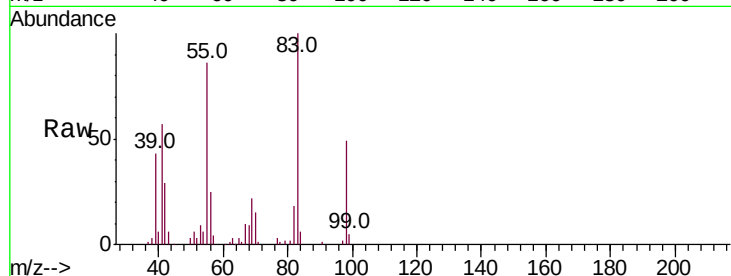




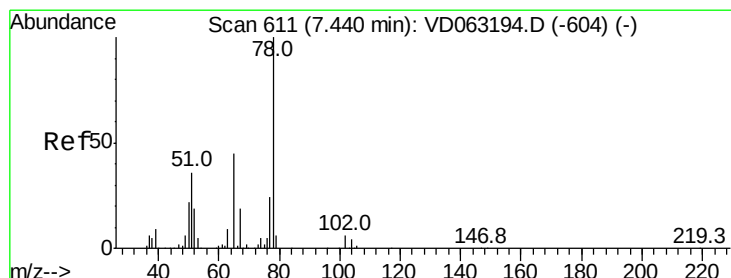
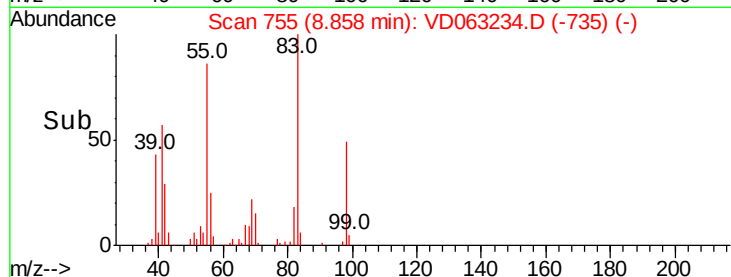
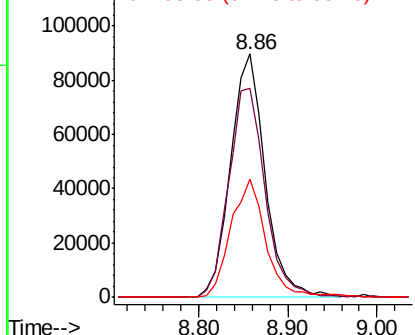
#39
Methylvlcyclohexane
Concen: 21.726 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

Tot Ion: 83 Resp: 241703
Ion Ratio Lower Upper
83 100
55 86.1 71.1 106.7
98 48.7 38.5 57.7

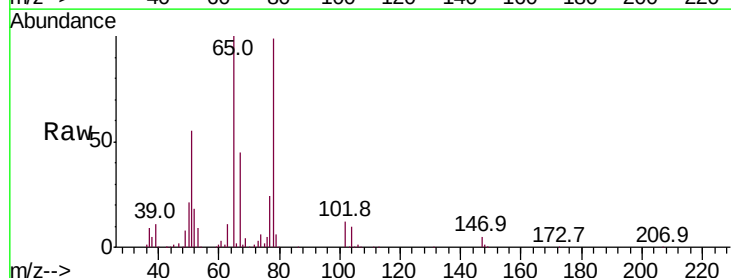


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

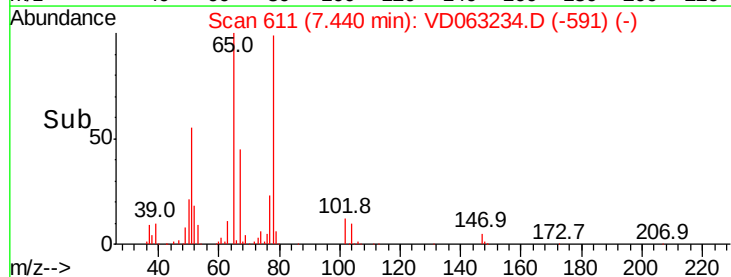
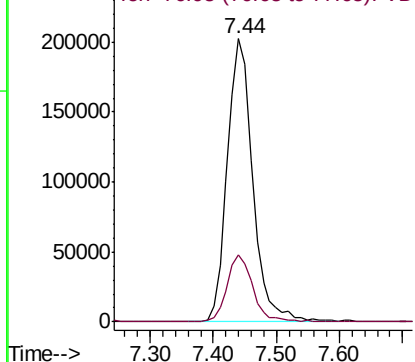


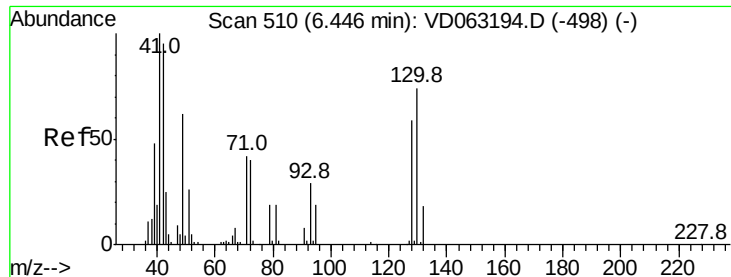
#40
Benzene
Concen: 20.235 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Tgt Ion: 78 Resp: 566269
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

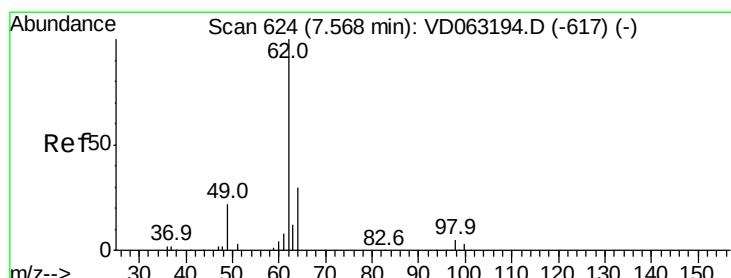
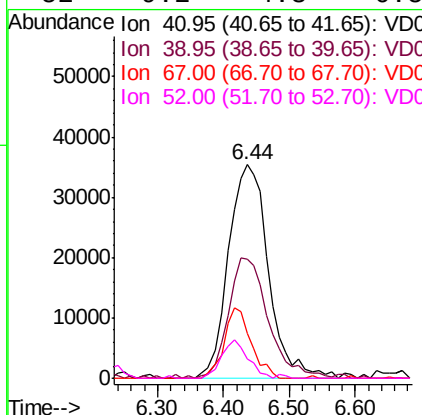
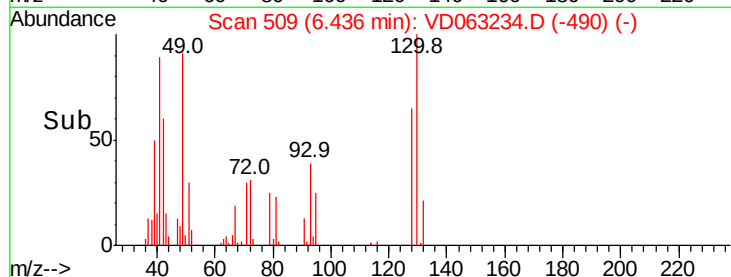
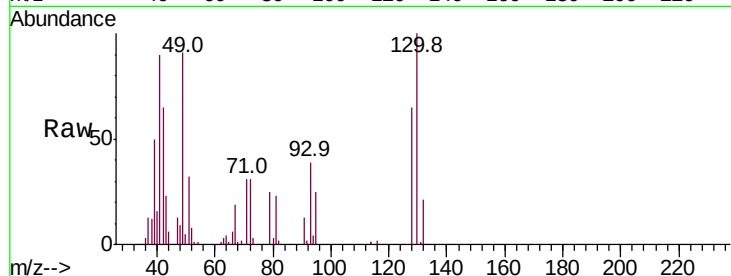




#41
Methacrylonitrile
Concen: 20.916 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

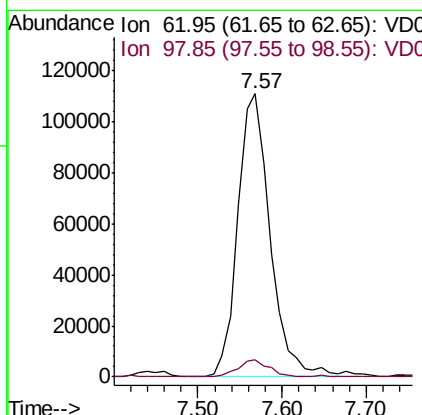
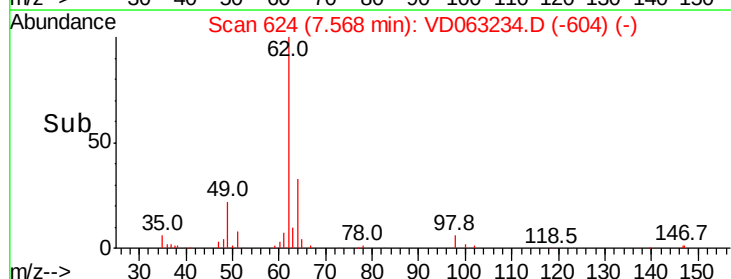
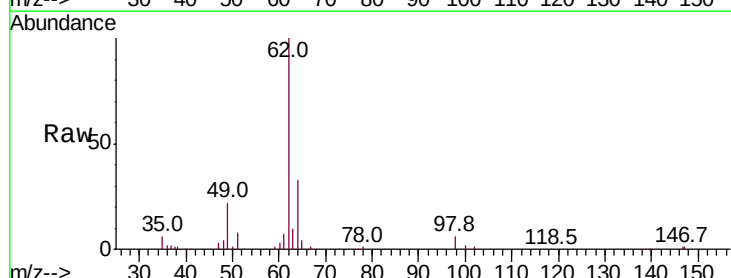
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

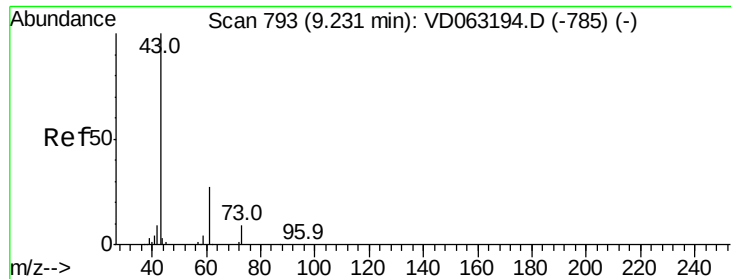
Tot Ion: 41 Resp: 150091
Ion Ratio Lower Upper
41 100
39 55.7 38.4 57.6
67 20.7 6.7 10.1#
52 9.2 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 20.088 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Tgt Ion: 62 Resp: 297935
Ion Ratio Lower Upper
62 100
98 5.9 0.0 9.8





#43

Isopropyl Acetate

Concen: 21.029 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBSD01

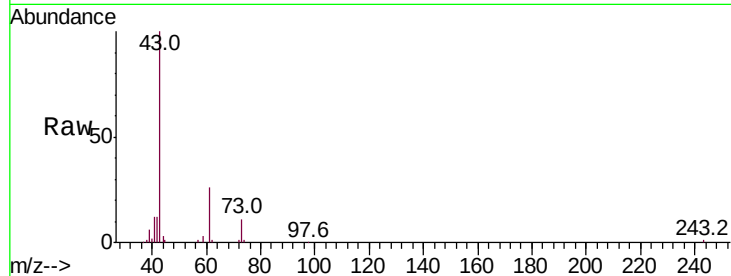
Tot Ion: 43 Resp: 161140

Ion Ratio Lower Upper

43 100

61 25.7 21.4 32.0

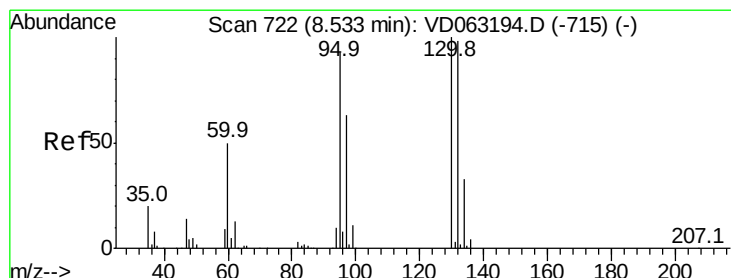
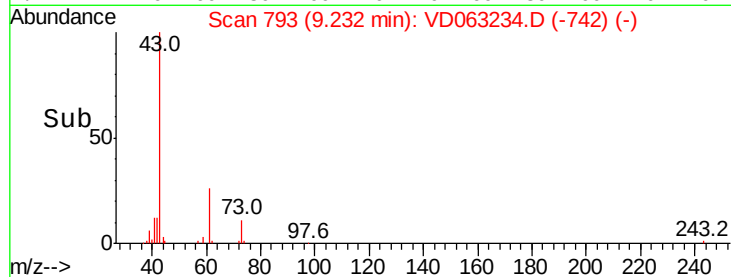
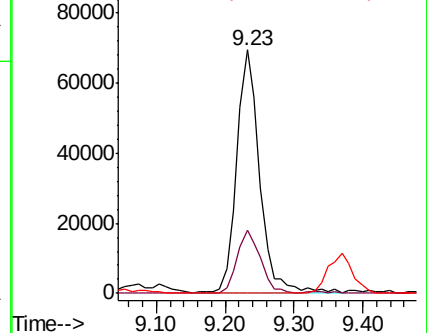
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.114 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD063234.D

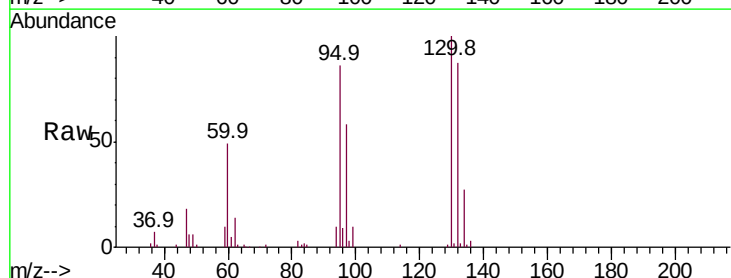
Acq: 30 Jul 2019 11:49

Tgt Ion:130 Resp: 228089

Ion Ratio Lower Upper

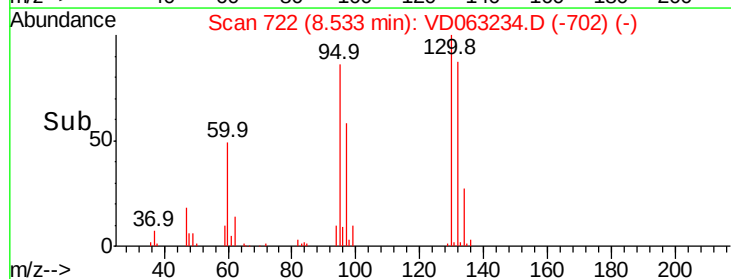
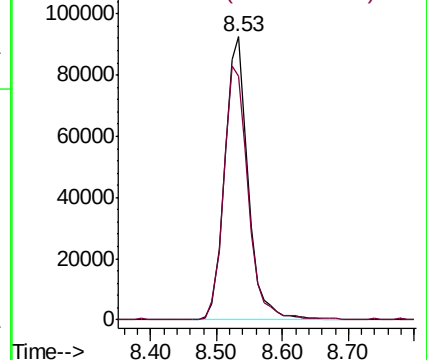
130 100

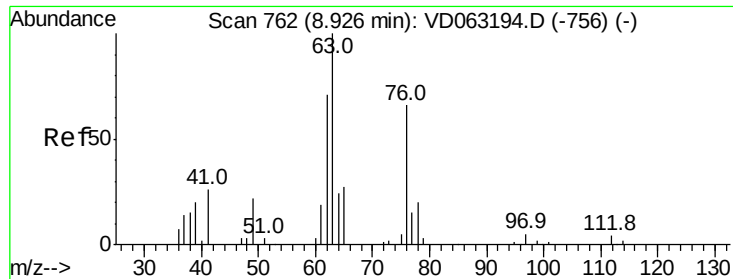
95 86.3 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

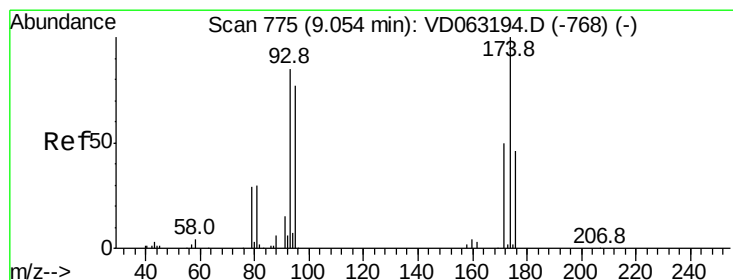
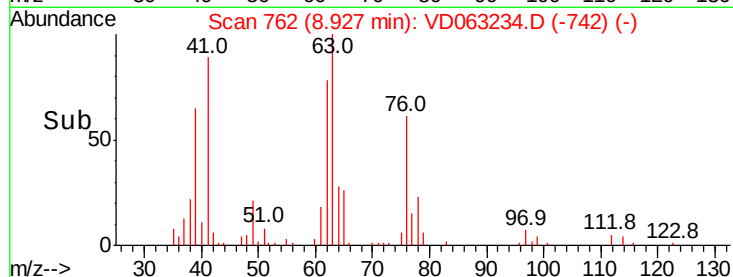
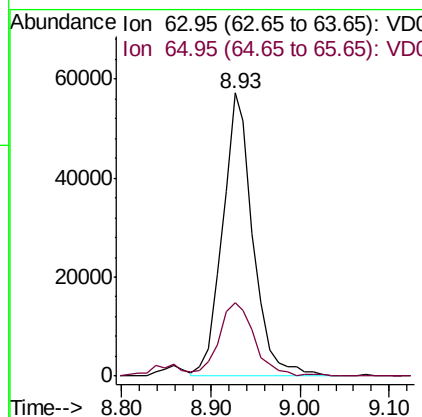
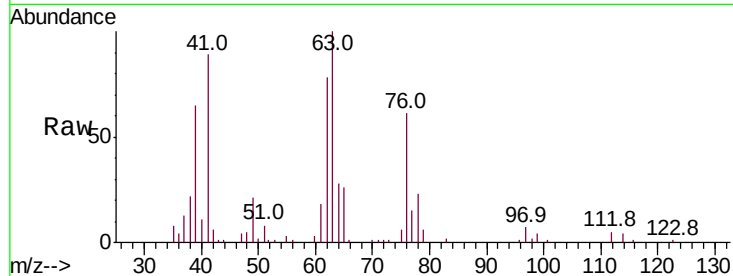




#45
1,2-Dichloropropane
Concen: 19.226 ug/l
RT: 8.93 min Scan# 762
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

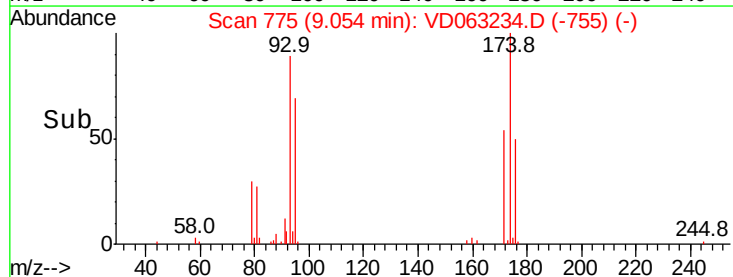
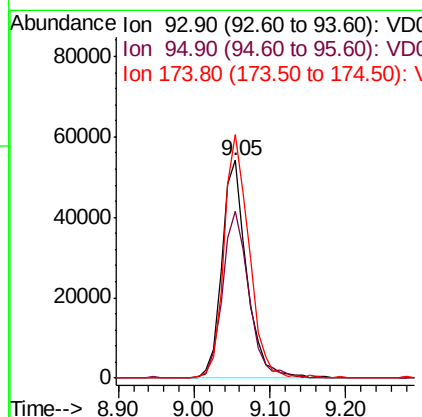
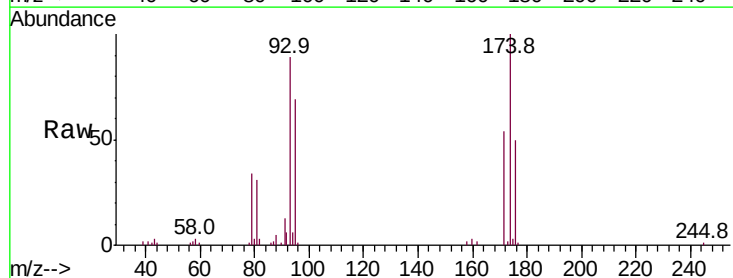
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

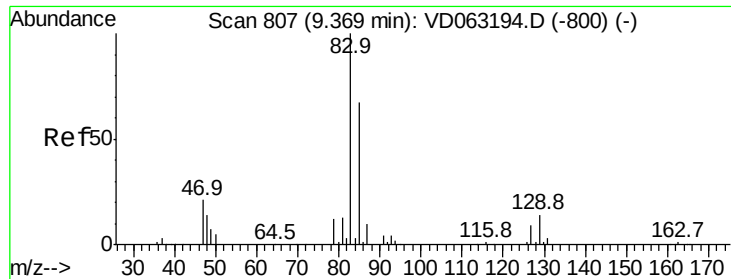
Tot Ion: 63 Resp: 136755
Ion Ratio Lower Upper
63 100
65 25.9 23.6 35.4



#46
Dibromomethane
Concen: 20.902 ug/l
RT: 9.05 min Scan# 775
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Tgt Ion: 93 Resp: 123623
Ion Ratio Lower Upper
93 100
95 76.6 72.8 109.2
174 111.7 94.4 141.6





#47

Bromodichloromethane

Concen: 20.118 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBSD01

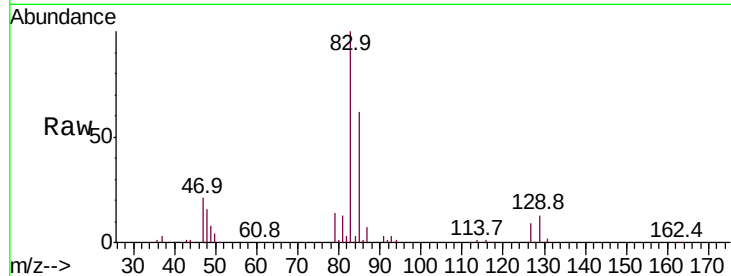
Tot Ion: 83 Resp: 303302

Ion Ratio Lower Upper

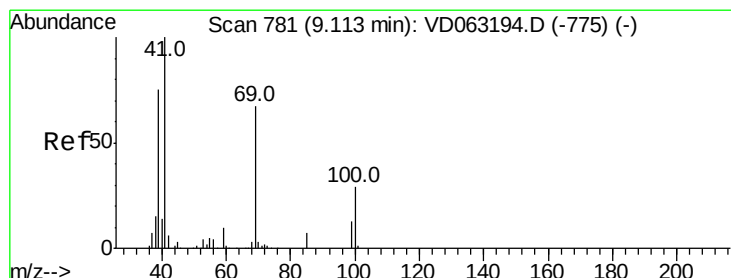
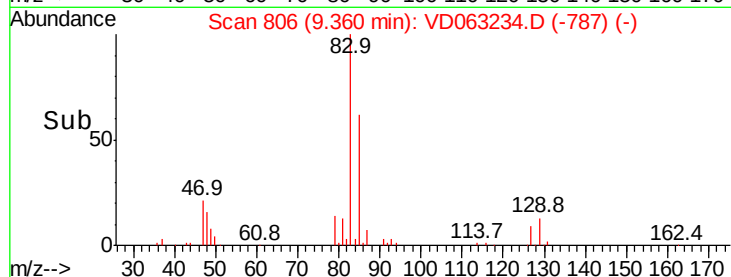
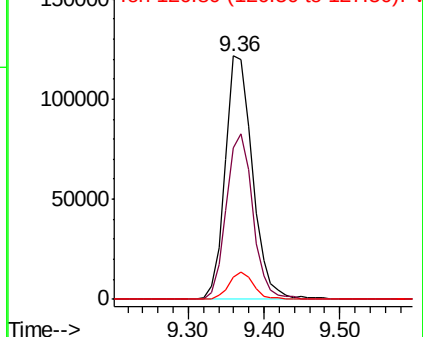
83 100

85 62.2 53.6 80.4

127 8.9 7.2 10.8



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



#48

Methyl methacrylate

Concen: 21.450 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

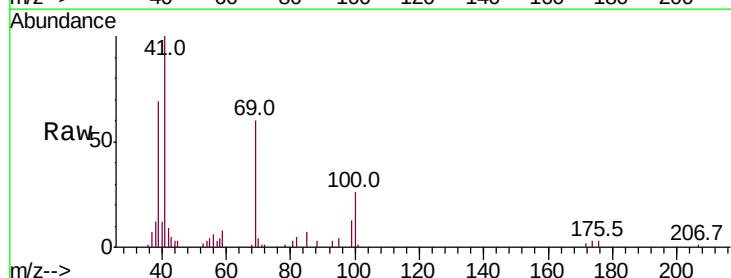
Tgt Ion: 41 Resp: 106605

Ion Ratio Lower Upper

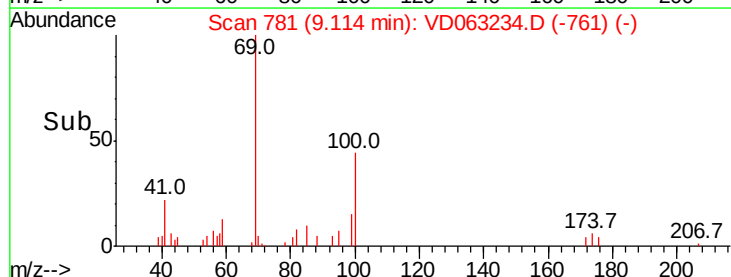
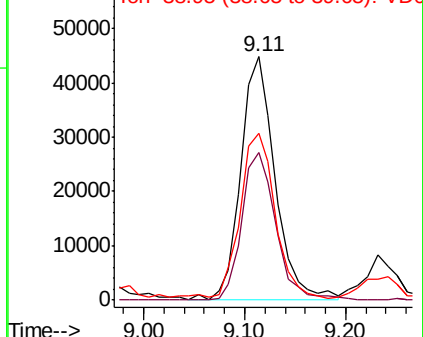
41 100

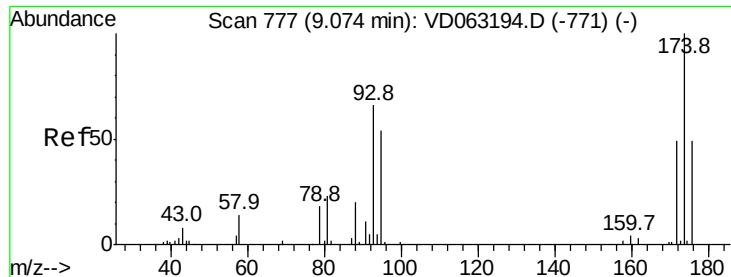
69 60.5 53.4 80.0

39 68.7 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

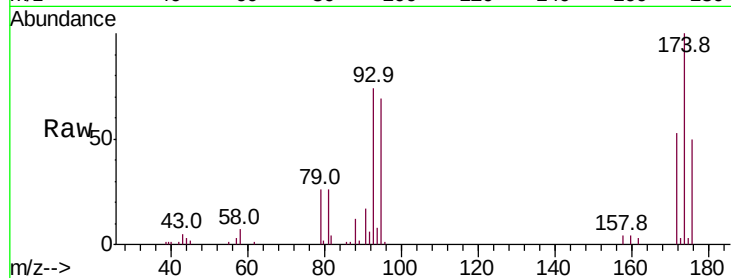




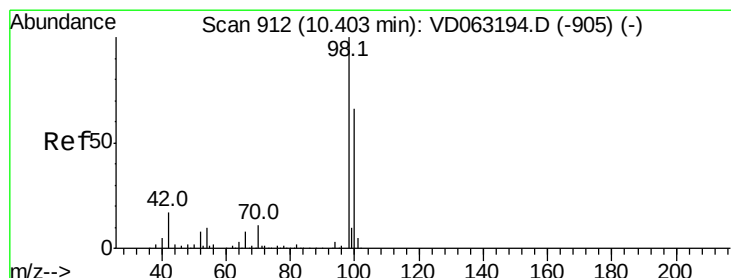
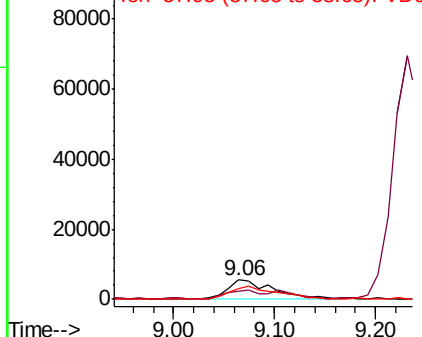
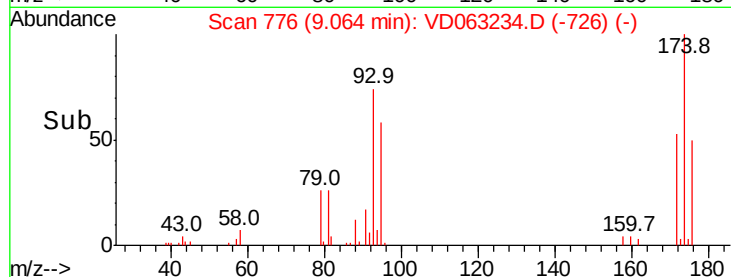
#49
 1,4-Dioxane
 Concen: 413.142 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VD063234.D
 Acq: 30 Jul 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBSD01

Tot Ion: 88 Resp: 17495
 Ion Ratio Lower Upper
 88 100
 43 43.0 30.7 46.1
 58 54.9 56.5 84.7#

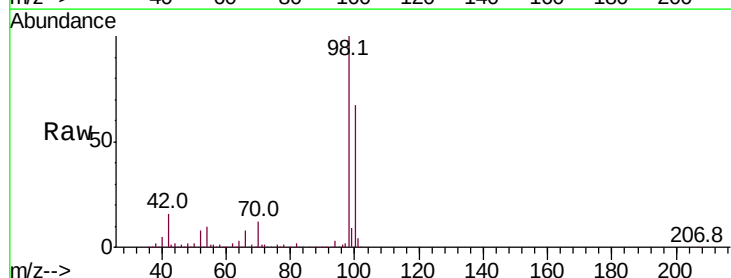


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

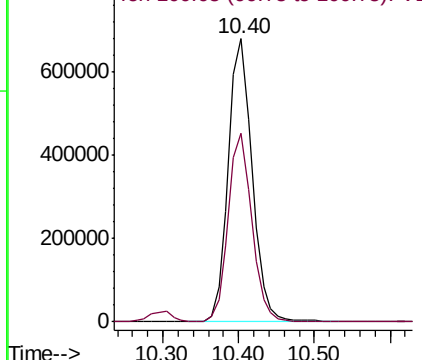
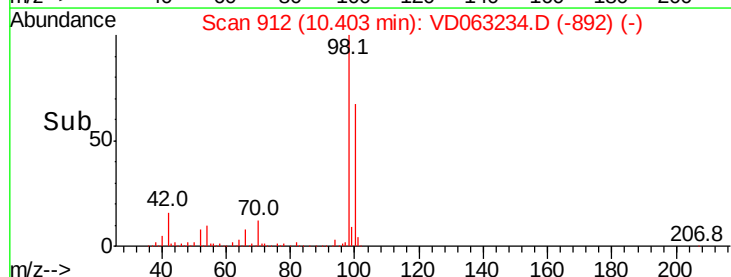


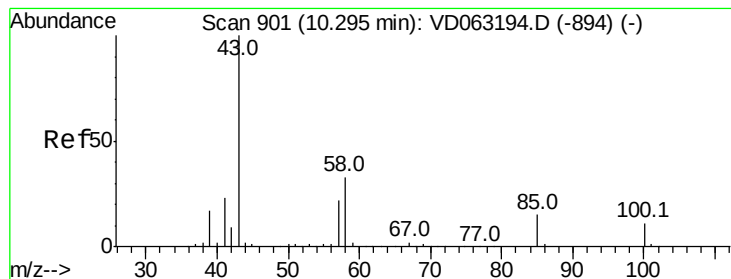
#50
 Toluene-d8
 Concen: 53.039 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: VD063234.D
 Acq: 30 Jul 2019 11:49

Tgt Ion: 98 Resp: 1482783
 Ion Ratio Lower Upper
 98 100
 100 66.9 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: 99.782 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

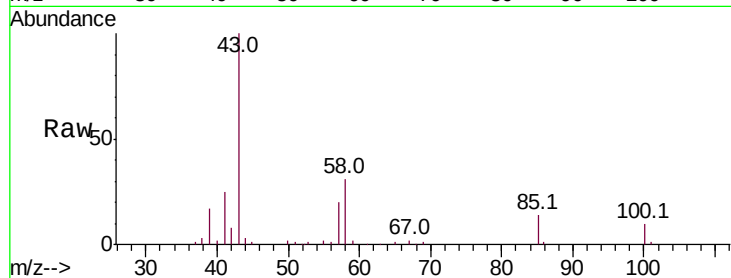
VD0730SBS01

Tot Ion: 43 Resp: 520002

Ion Ratio Lower Upper

43 100

58 31.5 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

250000

200000

150000

100000

50000

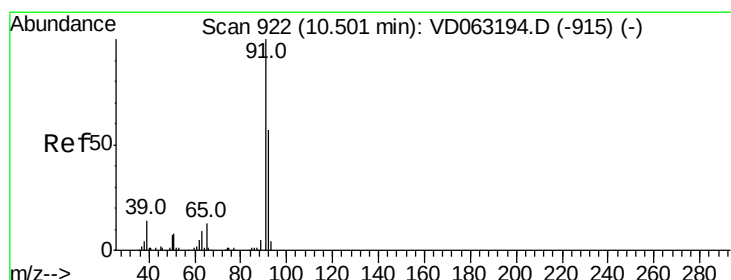
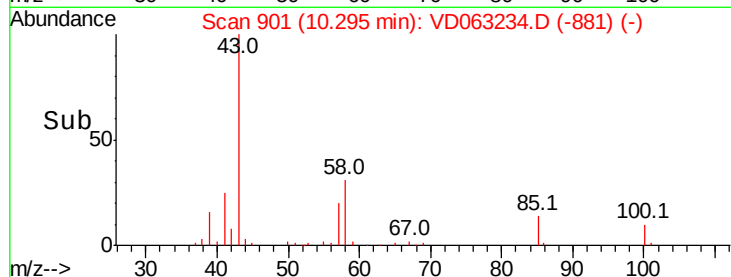
0

10.20

10.30

10.40

Time-->



#52

Toluene

Concen: 20.070 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063234.D

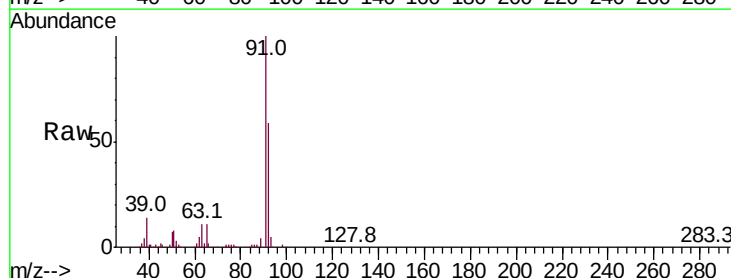
Acq: 30 Jul 2019 11:49

Tgt Ion: 92 Resp: 373556

Ion Ratio Lower Upper

92 100

91 170.9 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

200000

100000

0

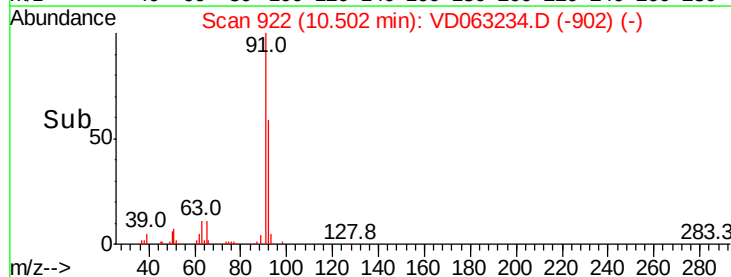
10.40

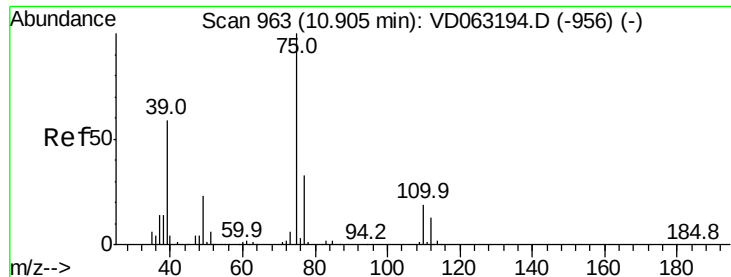
10.50

10.60

10.70

Time-->

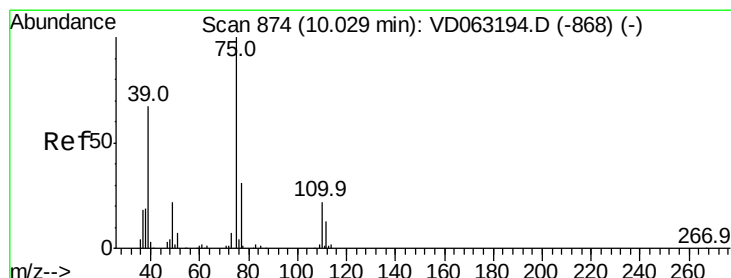
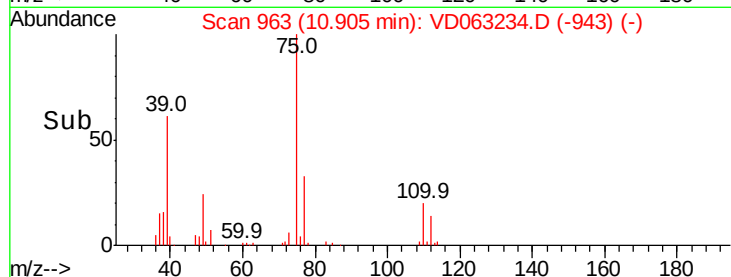
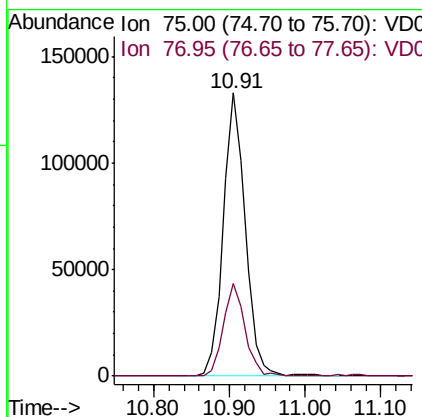
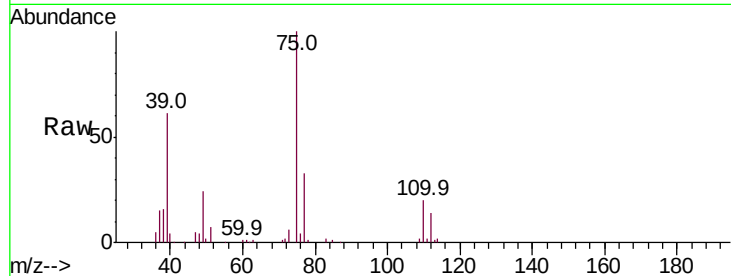




#53
 t-1,3-Dichloropropene
 Concen: 20.571 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD063234.D
 Acq: 30 Jul 2019 11:49

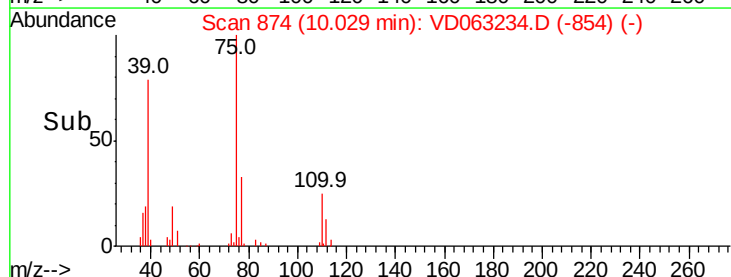
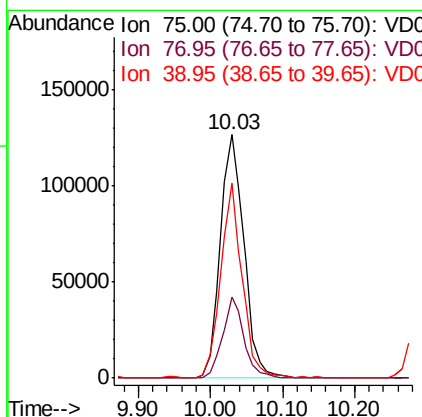
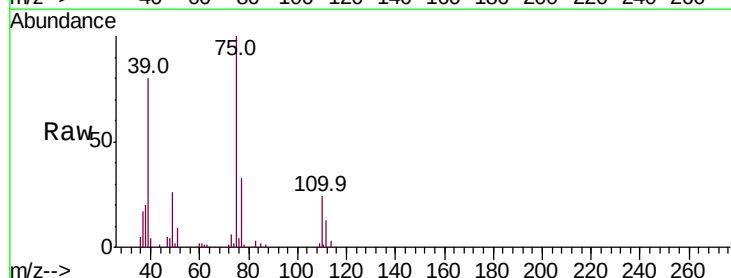
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

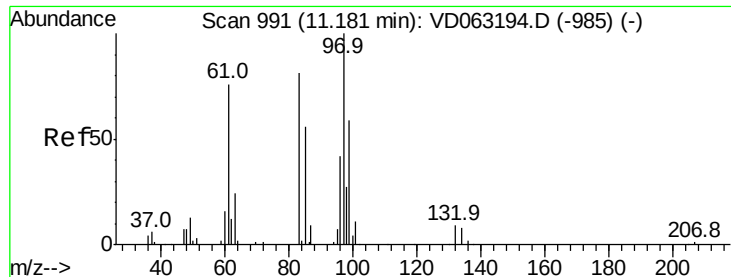
Tot Ion: 75 Resp: 267383
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.986 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD063234.D
 Acq: 30 Jul 2019 11:49

Tgt Ion: 75 Resp: 286680
 Ion Ratio Lower Upper
 75 100
 77 33.3 24.9 37.3
 39 80.2 53.9 80.9

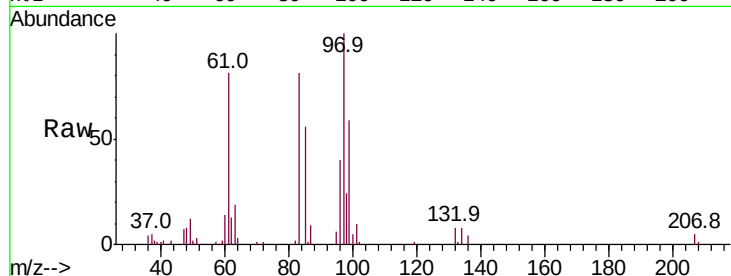




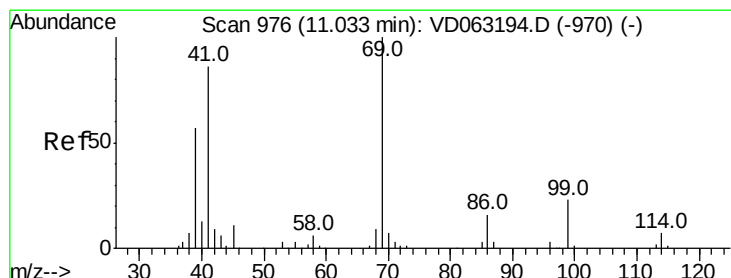
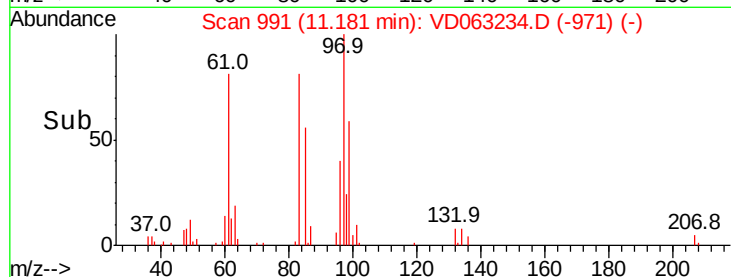
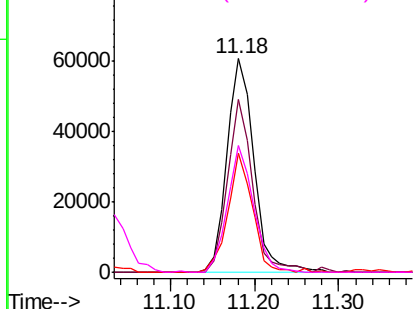
#55
 1,1,2-Trichloroethane
 Concen: 21.566 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063234.D
 Acq: 30 Jul 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBSD01

Tot Ion:	97	Resp:	135568
Ion	Ratio	Lower	Upper
97	100		
83	81.1	64.8	97.2
85	55.7	44.9	67.3
99	59.2	47.2	70.8

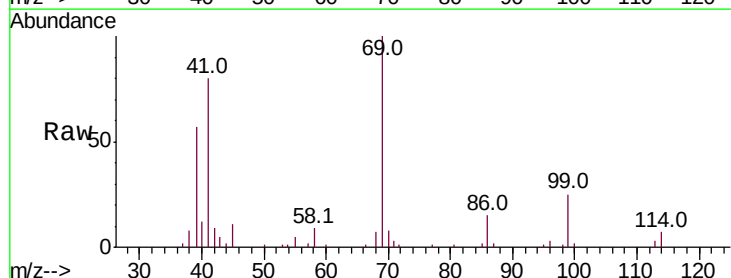


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

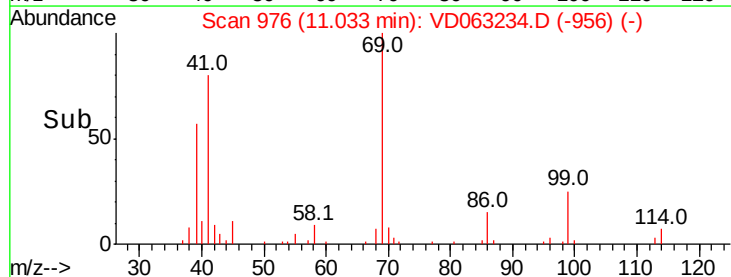
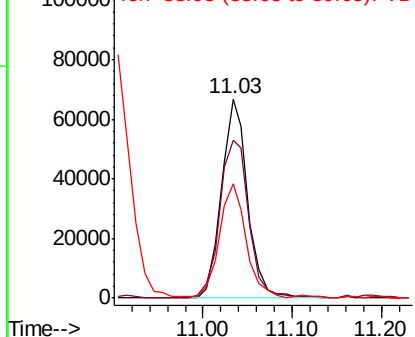


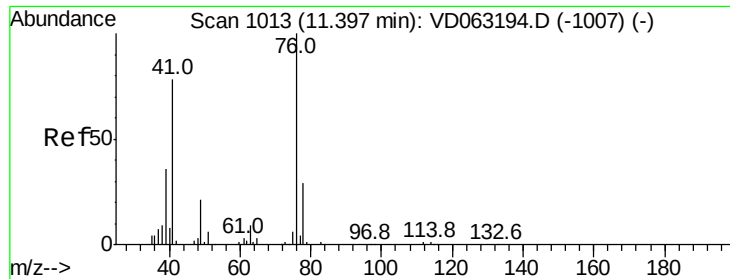
#56
 Ethyl methacrylate
 Concen: 20.058 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063234.D
 Acq: 30 Jul 2019 11:49

Tgt Ion:	69	Resp:	138070
Ion	Ratio	Lower	Upper
69	100		
41	79.5	68.8	103.2
39	57.3	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

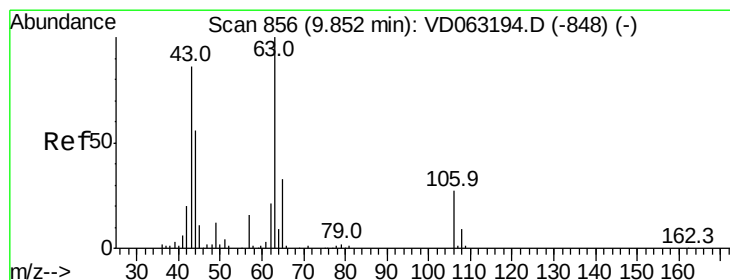
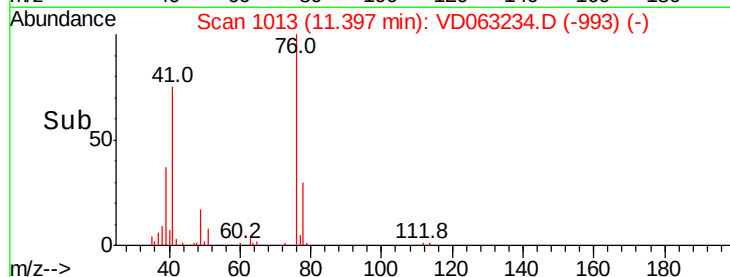
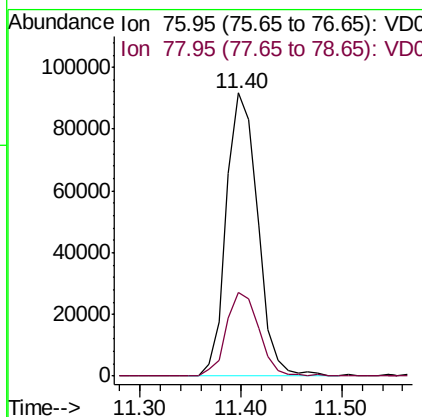
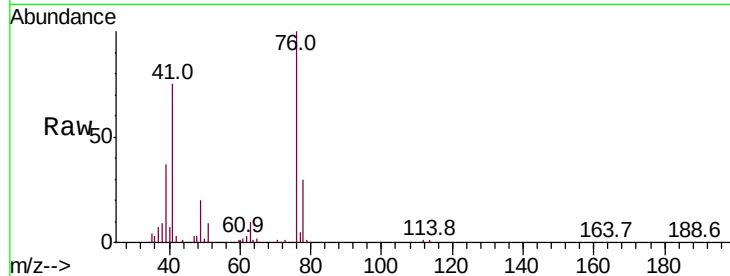




#57
 1,3-Dichloropropane
 Concen: 20.059 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD063234.D
 Acq: 30 Jul 2019 11:49

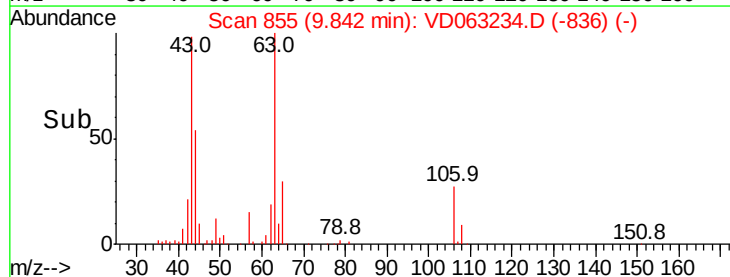
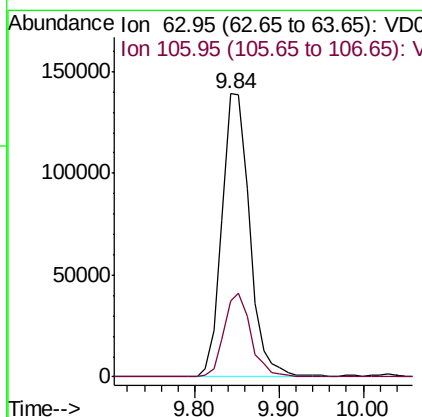
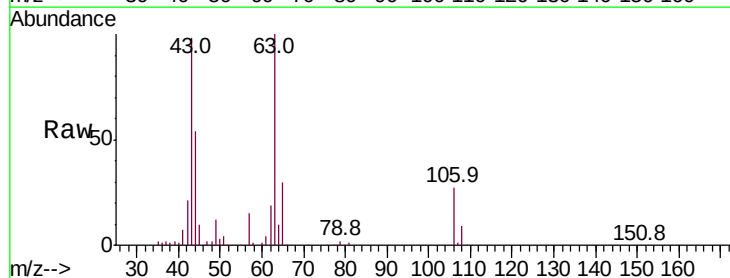
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBSD01

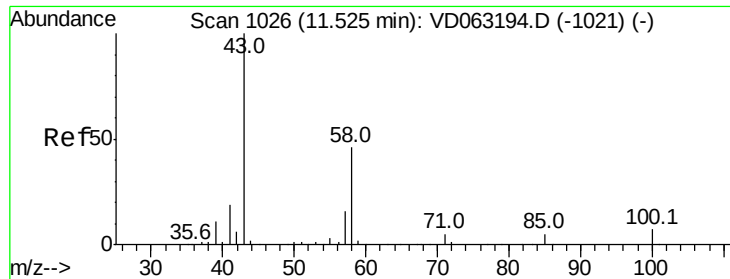
Tot Ion: 76 Resp: 198670
 Ion Ratio Lower Upper
 76 100
 78 29.6 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.001 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD063234.D
 Acq: 30 Jul 2019 11:49

Tgt Ion: 63 Resp: 318779
 Ion Ratio Lower Upper
 63 100
 106 26.9 22.0 33.0

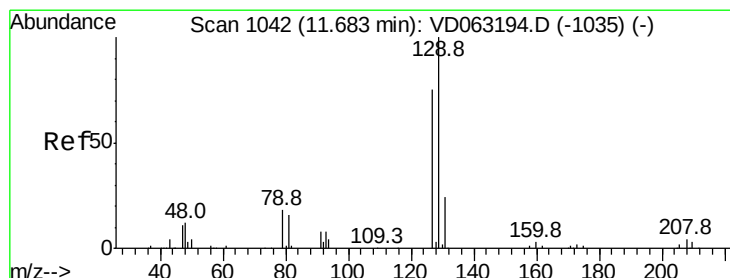
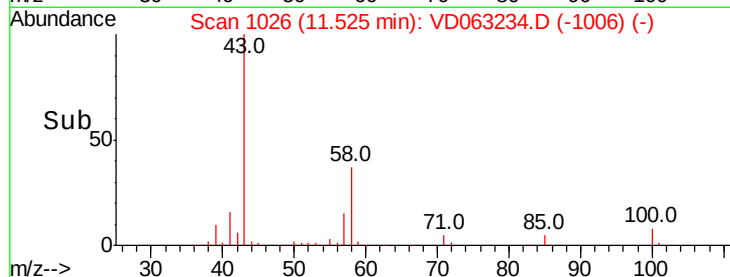
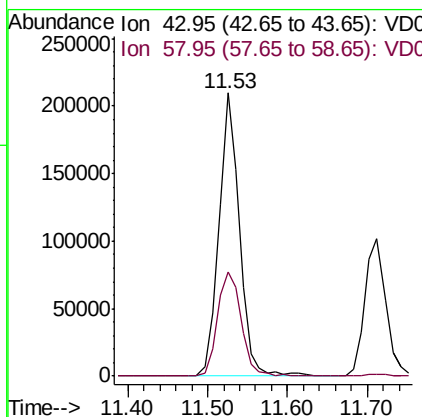
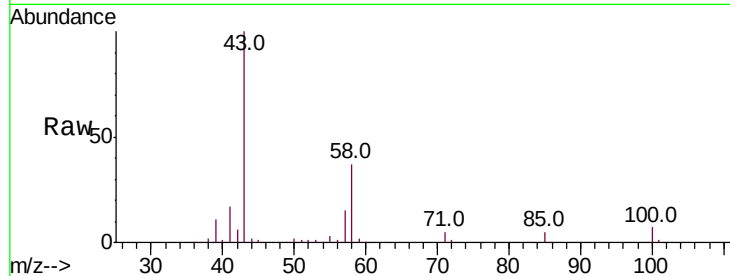




#59
2-Hexanone
Concen: 101.713 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

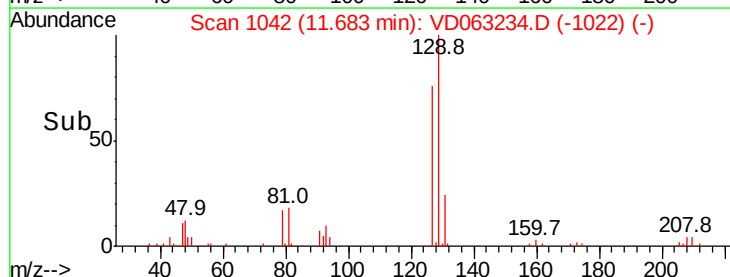
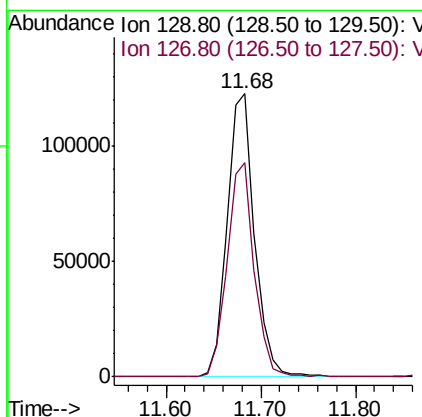
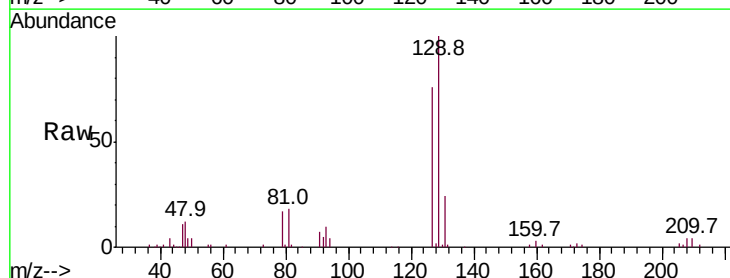
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

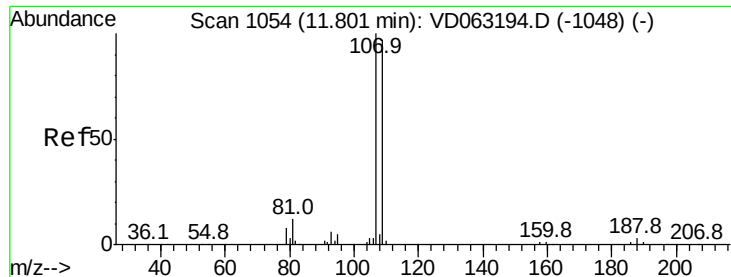
Tot Ion: 43 Resp: 381986
Ion Ratio Lower Upper
43 100
58 36.6 22.9 68.5



#60
Dibromochloromethane
Concen: 20.601 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Tgt Ion: 129 Resp: 244472
Ion Ratio Lower Upper
129 100
127 75.9 37.6 112.8





#61

1,2-Dibromoethane

Concen: 20.070 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

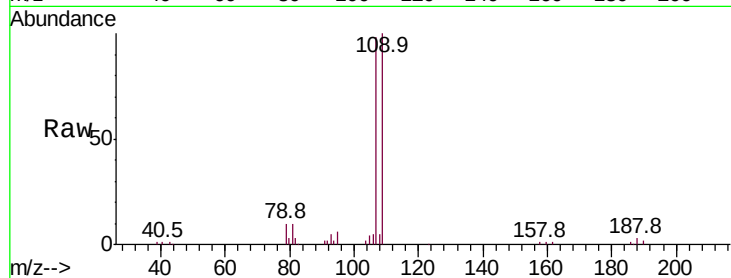
VD0730SBSD01

Tot Ion:107 Resp: 155676

Ion Ratio Lower Upper

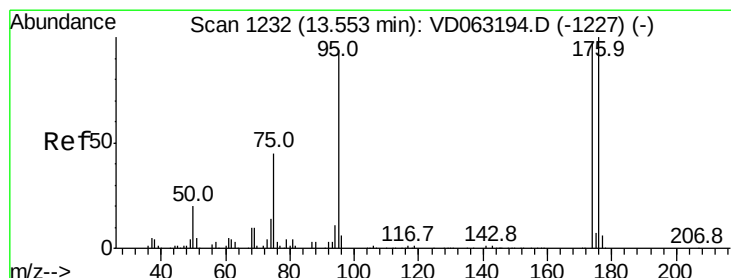
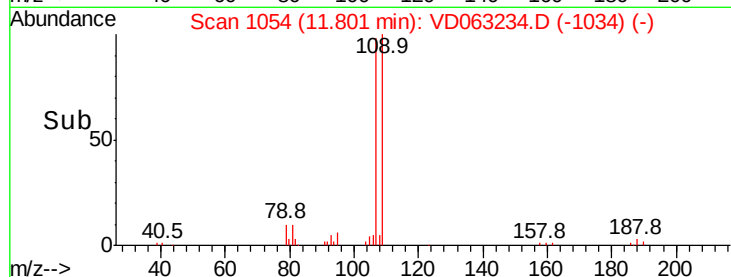
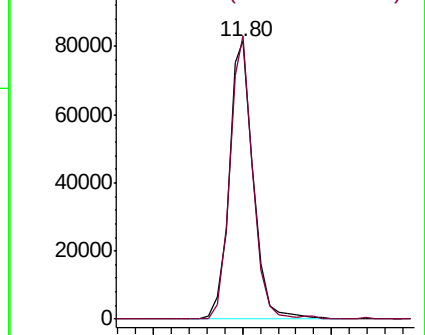
107 100

109 101.8 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 49.986 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

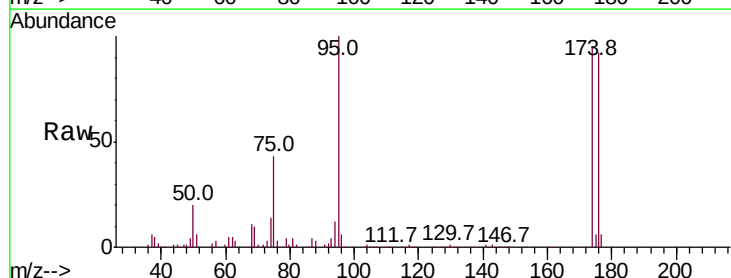
Tgt Ion: 95 Resp: 636805

Ion Ratio Lower Upper

95 100

174 95.2 0.0 205.4

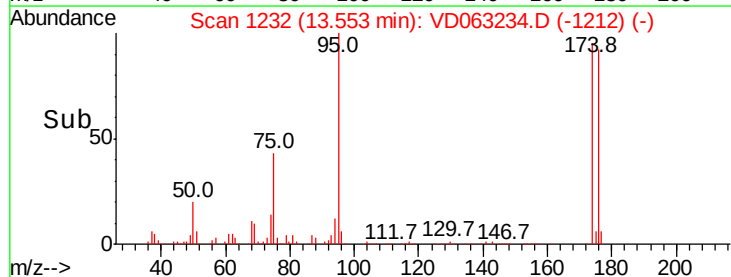
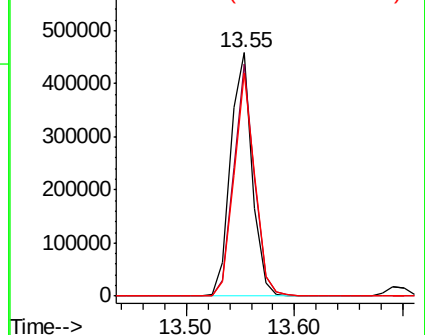
176 91.7 0.0 211.8

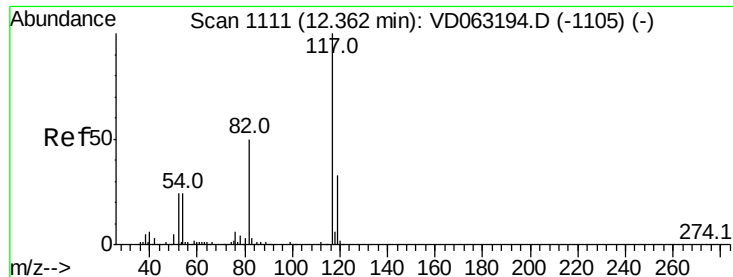


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

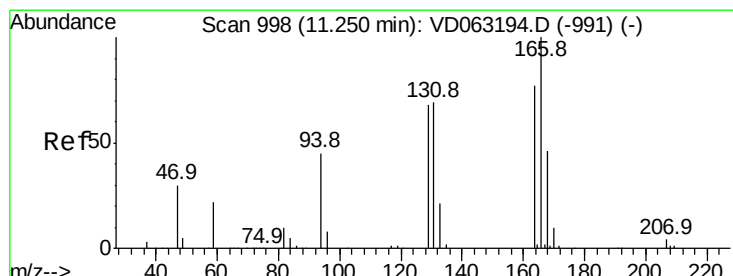
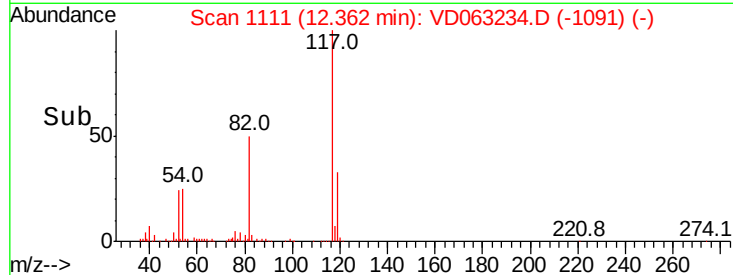
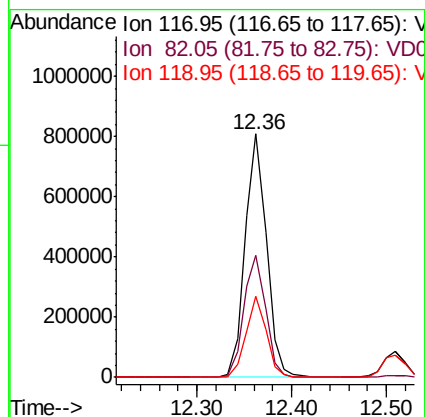
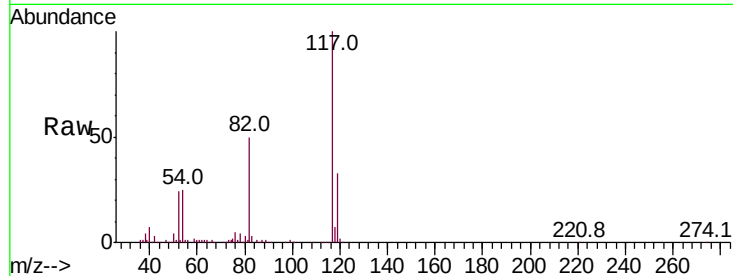




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

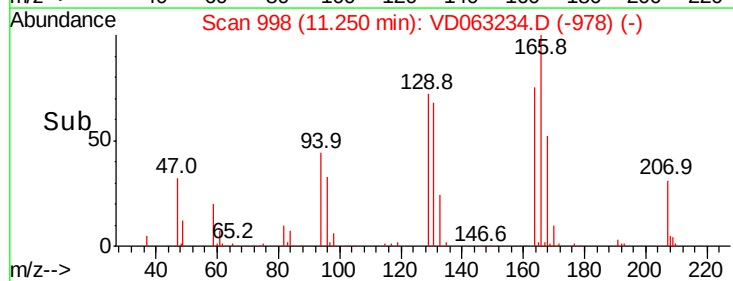
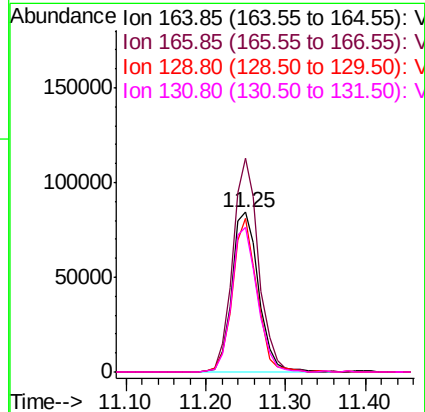
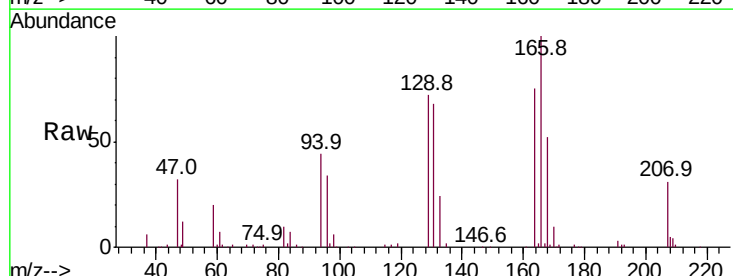
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

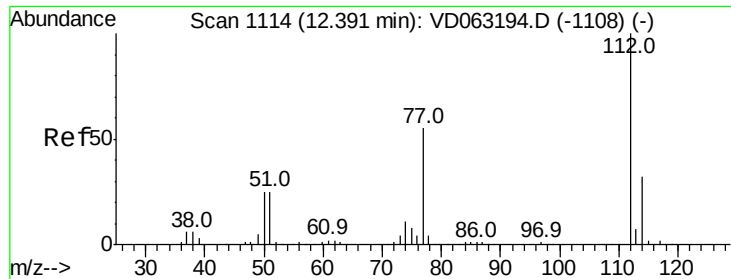
Tot Ion:117 Resp: 1266423
Ion Ratio Lower Upper
117 100
82 50.3 40.1 60.1
119 33.4 26.5 39.7



#64
Tetrachloroethene
Concen: 19.639 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Tgt Ion:164 Resp: 198136
Ion Ratio Lower Upper
164 100
166 133.7 104.3 156.5
129 96.1 70.9 106.3
131 90.9 71.6 107.4





#65

Chlorobenzene

Concen: 19.081 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

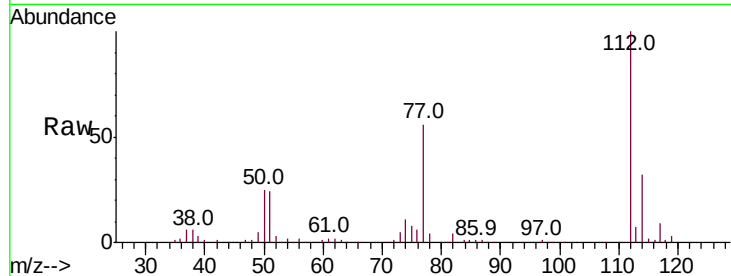
VD0730SBSD01

Tot Ion:112 Resp: 464803

Ion Ratio Lower Upper

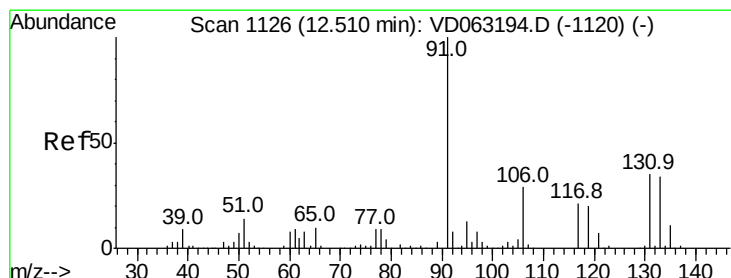
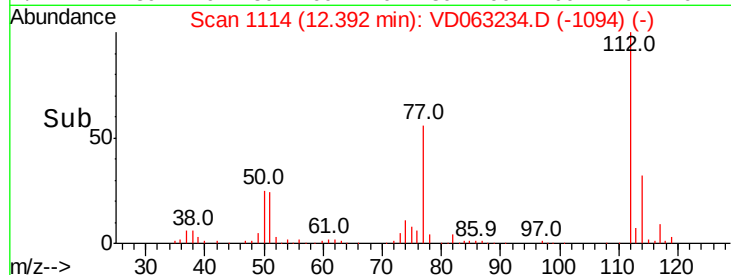
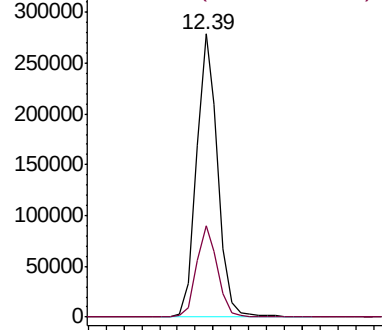
112 100

114 32.2 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.741 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

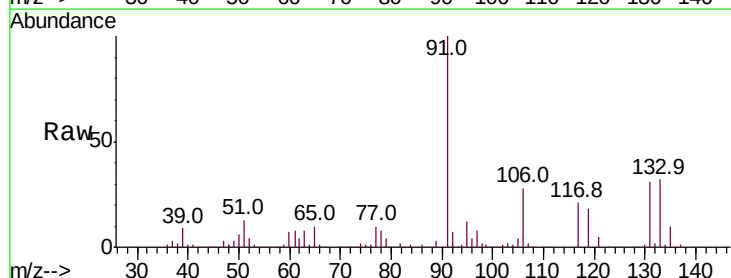
Tgt Ion:131 Resp: 211816

Ion Ratio Lower Upper

131 100

133 102.5 48.4 145.2

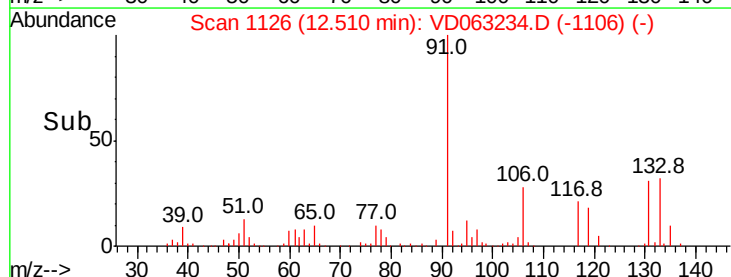
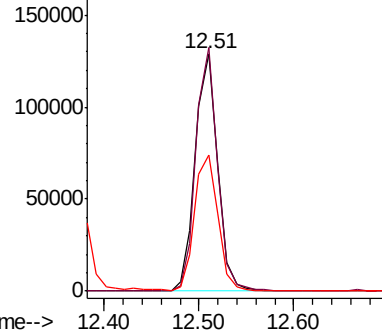
119 57.4 29.1 87.3

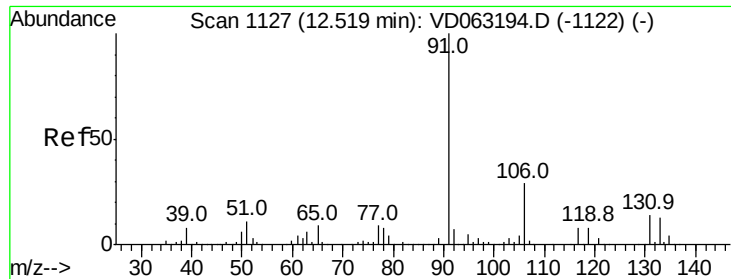


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

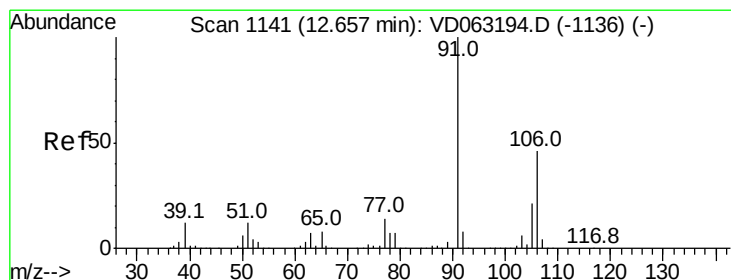
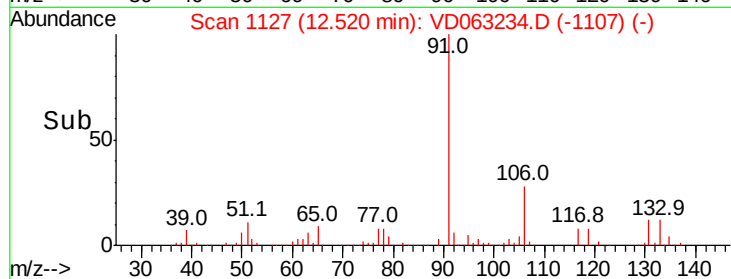
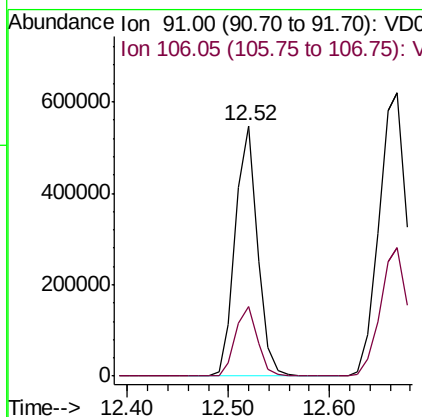
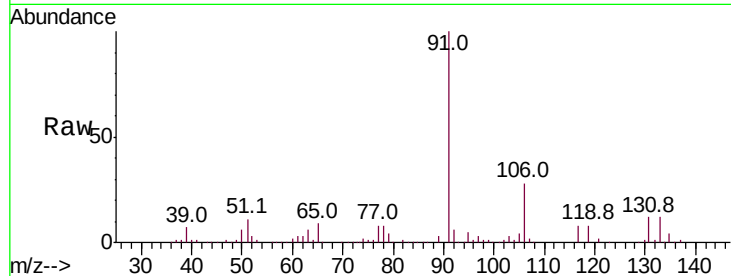




#67
Ethyl Benzene
Concen: 20.254 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

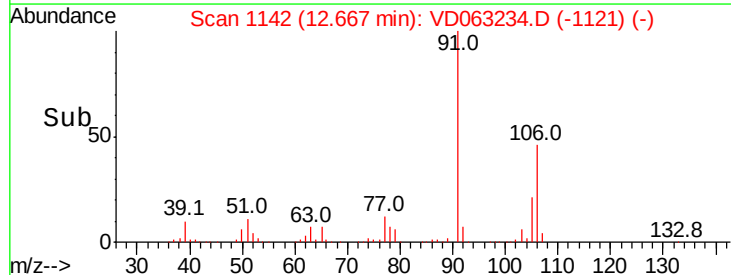
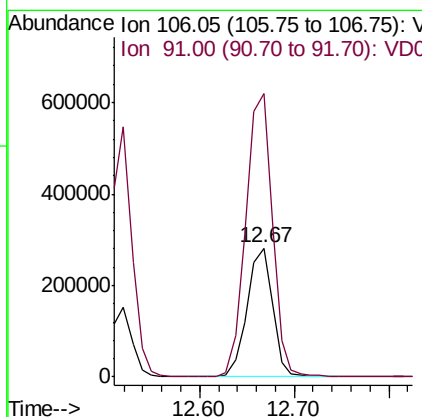
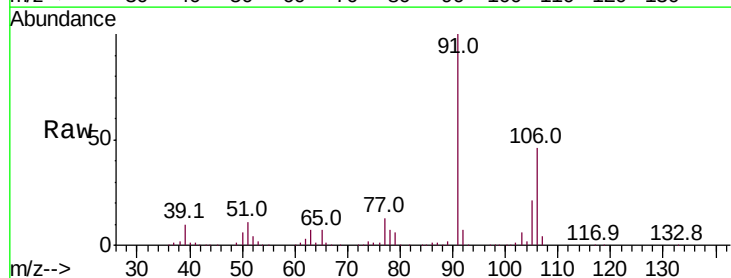
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

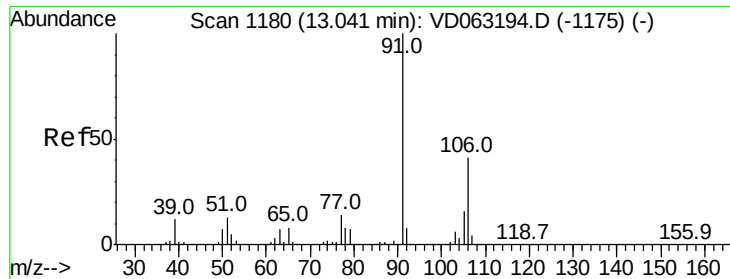
Tot Ion: 91 Resp: 838104
Ion Ratio Lower Upper
91 100
106 28.0 22.9 34.3



#68
m/p-Xylenes
Concen: 34.874 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Tgt Ion: 106 Resp: 529237
Ion Ratio Lower Upper
106 100
91 219.7 172.6 259.0

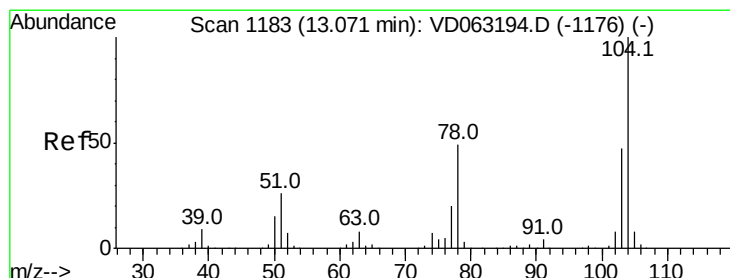
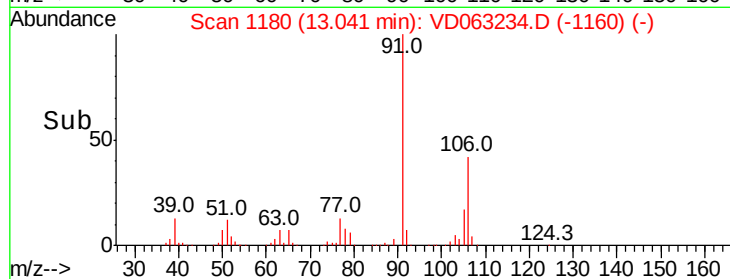
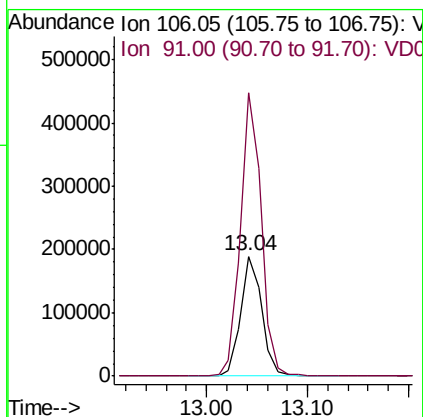
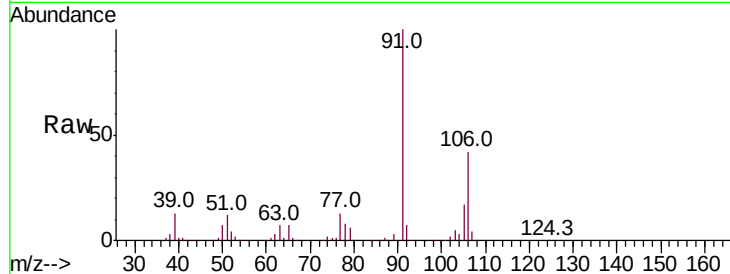




#69
o-Xylene
Concen: 19.728 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

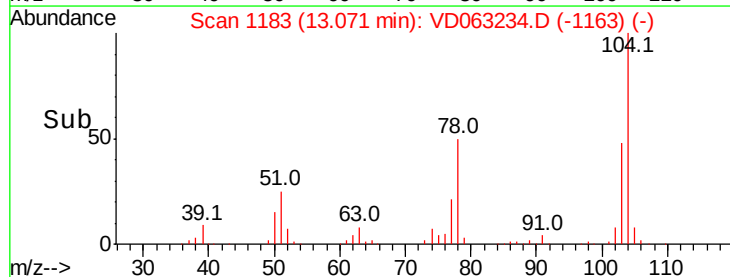
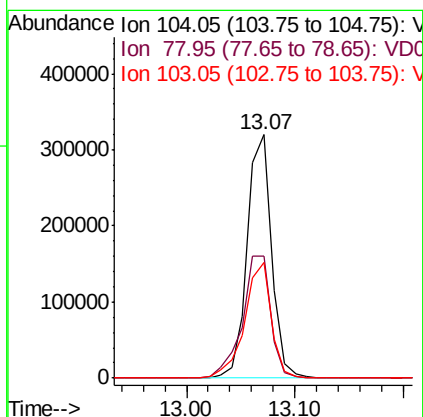
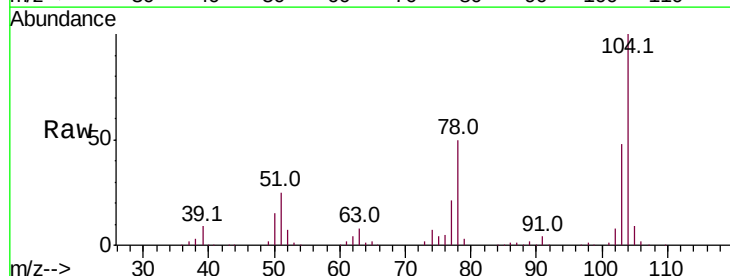
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

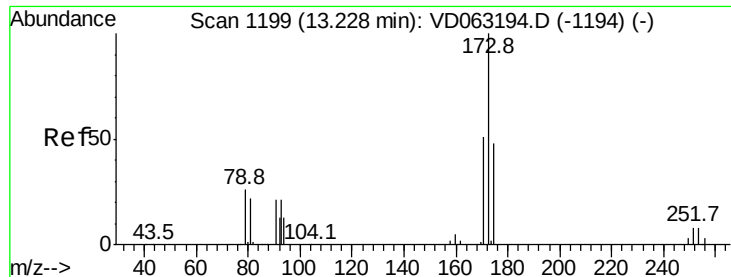
Tot Ion:106 Resp: 274931
Ion Ratio Lower Upper
106 100
91 235.9 121.3 363.9



#70
Styrene
Concen: 20.210 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Tgt Ion:104 Resp: 499472
Ion Ratio Lower Upper
104 100
78 49.9 39.4 59.0
103 47.5 37.4 56.2





#71

Bromoform

Concen: 17.906 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBSD01

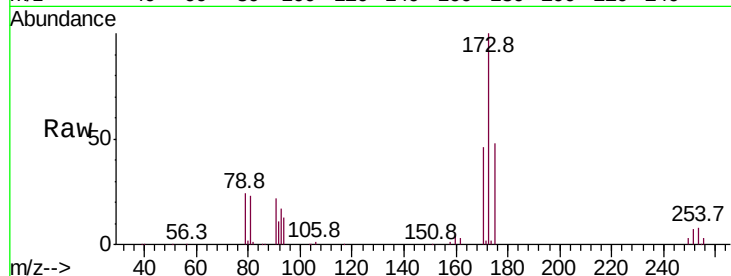
Tot Ion:173 Resp: 139723

Ion Ratio Lower Upper

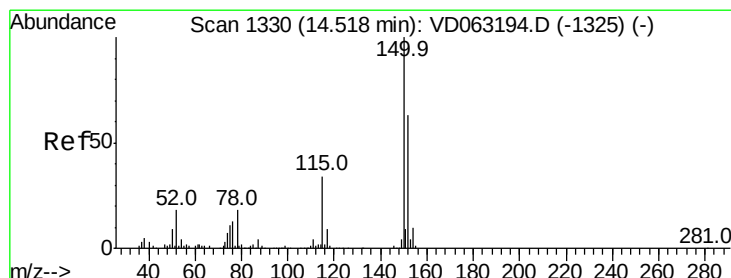
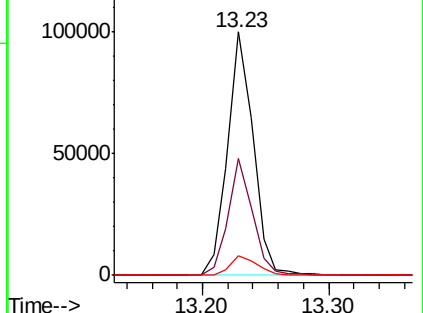
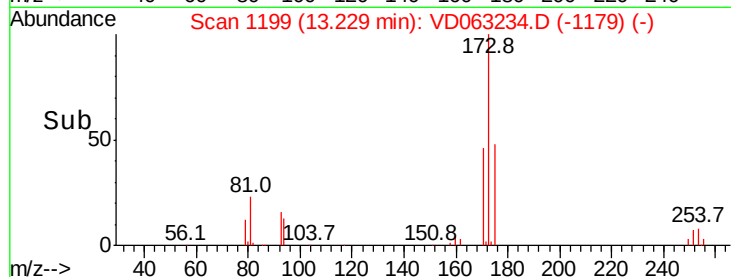
173 100

175 47.9 23.8 71.5

254 8.0 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: VD063234.D

Acq: 30 Jul 2019 11:49

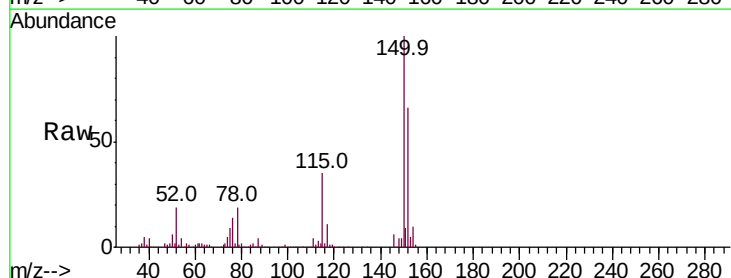
Tgt Ion:152 Resp: 633123

Ion Ratio Lower Upper

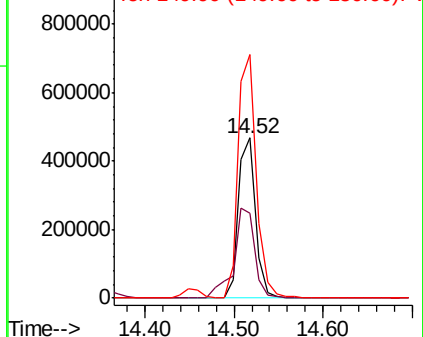
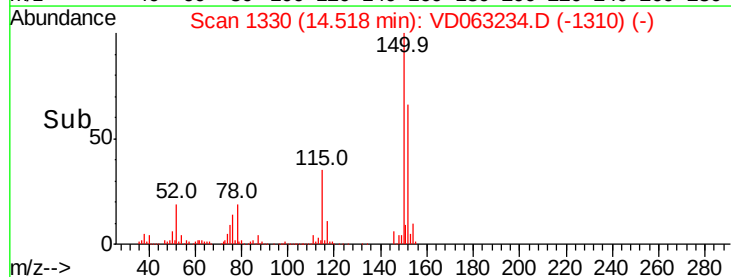
152 100

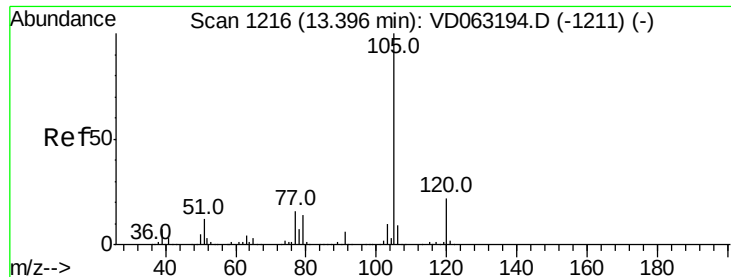
115 53.3 27.5 82.4

150 152.3 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: 21.974 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

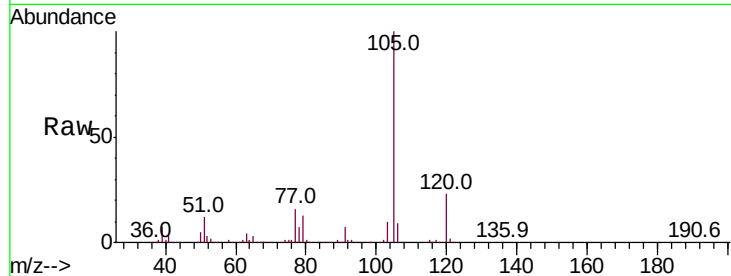
VD0730SBSD01

Tot Ion:105 Resp: 873189

Ion Ratio Lower Upper

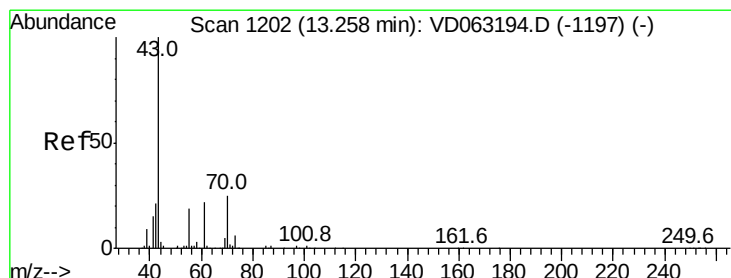
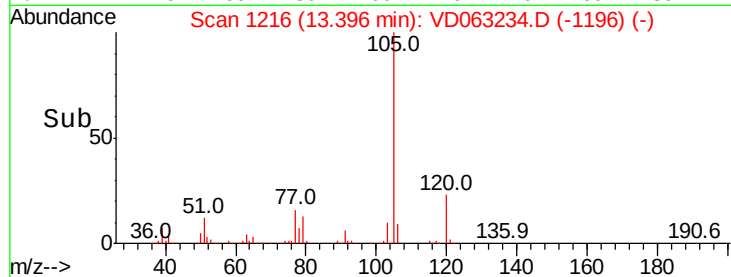
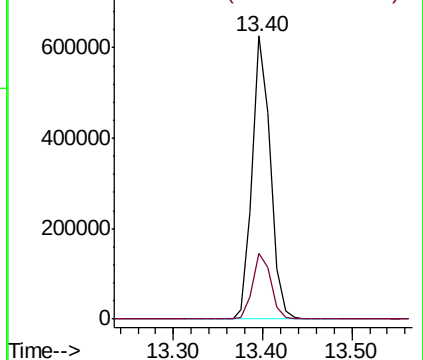
105 100

120 23.1 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.963 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Tgt Ion: 43 Resp: 199203

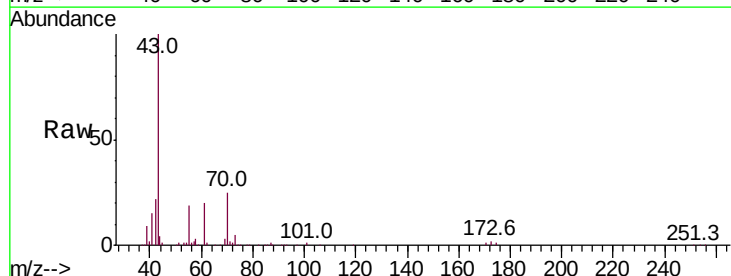
Ion Ratio Lower Upper

43 100

70 24.5 20.2 30.4

55 18.7 14.9 22.3

61 19.9 17.9 26.9

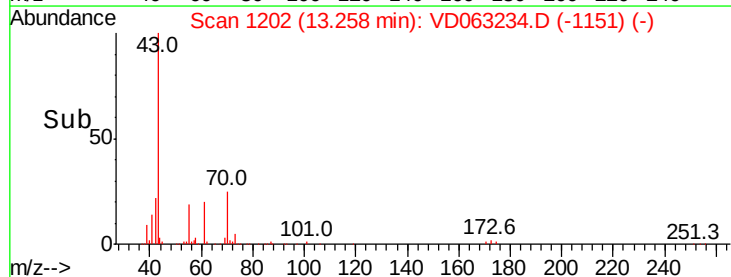
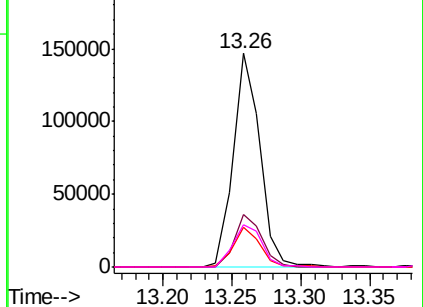


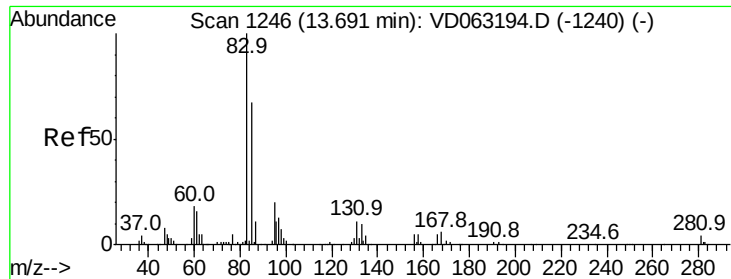
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.244 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBSD01

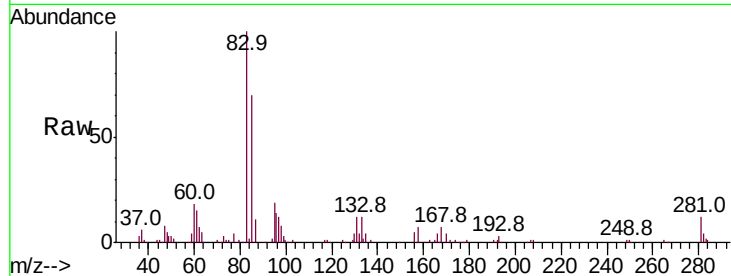
Tot Ion: 83 Resp: 143393

Ion Ratio Lower Upper

83 100

131 12.0 5.5 16.7

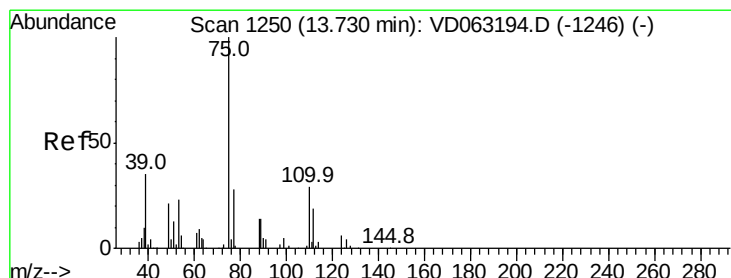
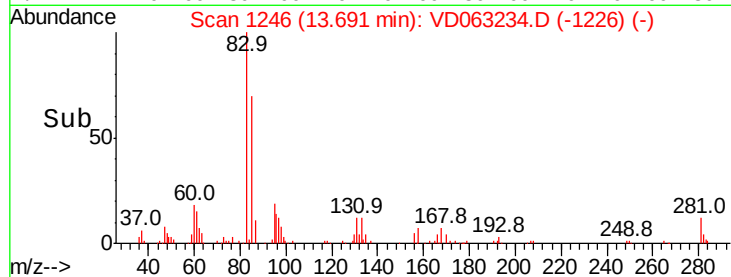
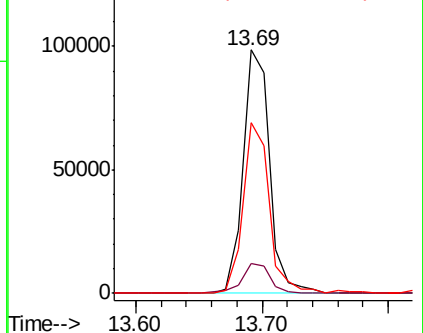
85 70.1 33.7 101.1



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: 19.385 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063234.D

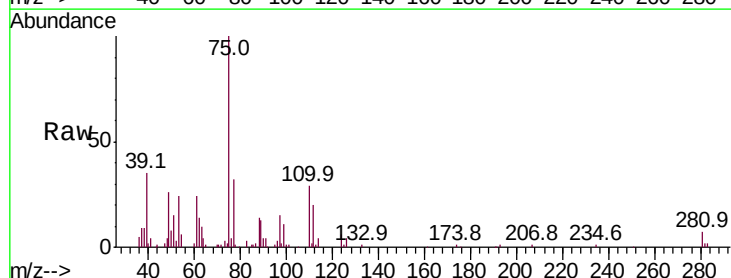
Acq: 30 Jul 2019 11:49

Tgt Ion: 75 Resp: 147414

Ion Ratio Lower Upper

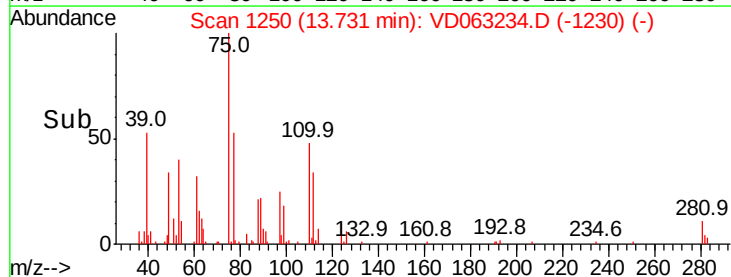
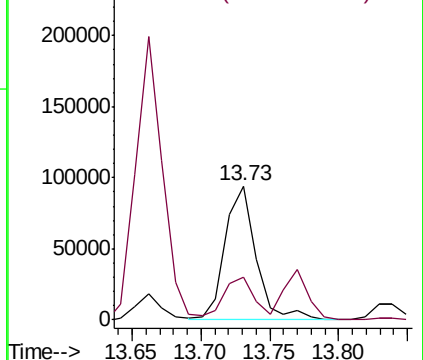
75 100

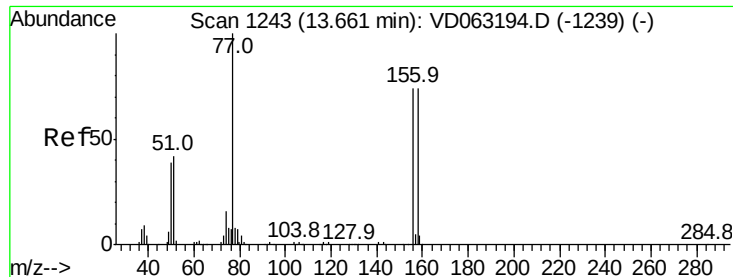
77 32.2 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.772 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBSD01

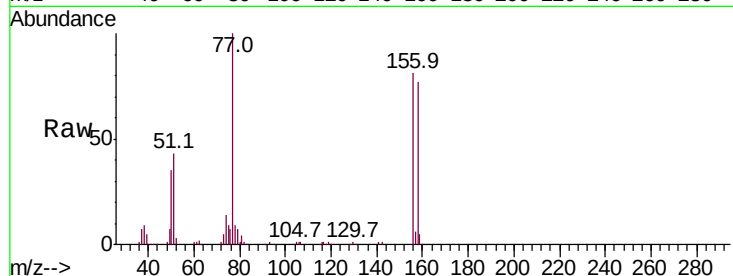
Tot Ion:156 Resp: 223810

Ion Ratio Lower Upper

156 100

77 123.1 67.6 202.8

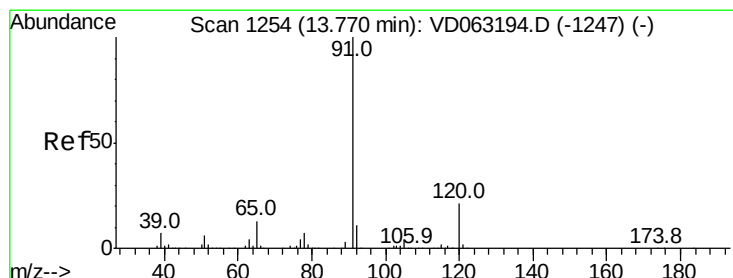
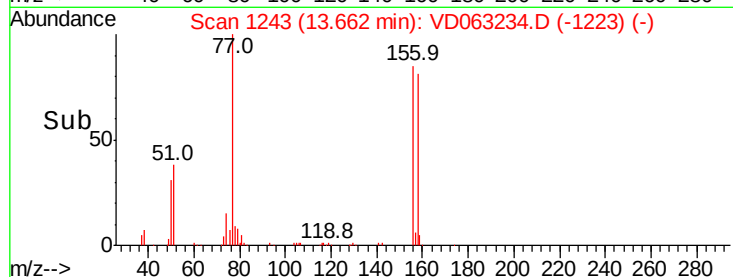
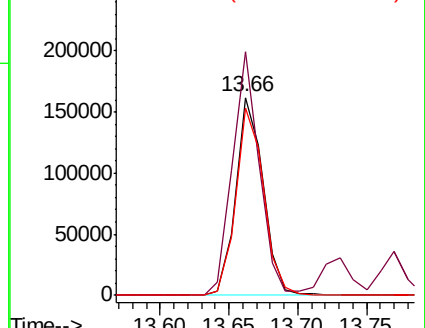
158 94.8 49.8 149.4



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: 21.043 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063234.D

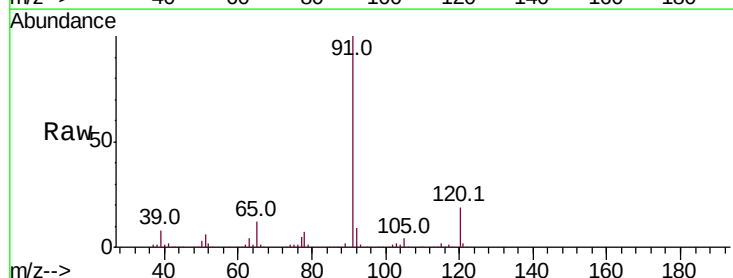
Acq: 30 Jul 2019 11:49

Tgt Ion: 91 Resp: 995091

Ion Ratio Lower Upper

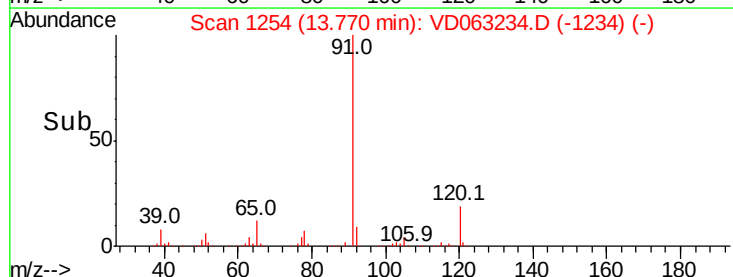
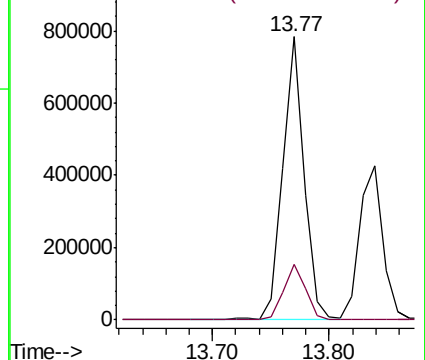
91 100

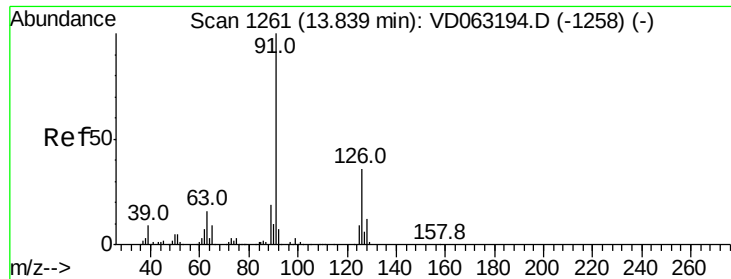
120 19.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.555 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

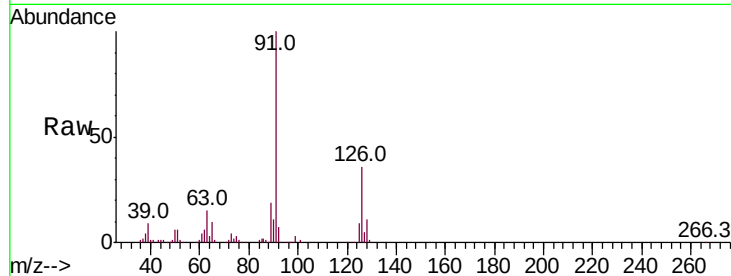
VD0730SBS01

Tot Ion: 91 Resp: 590614

Ion Ratio Lower Upper

91 100

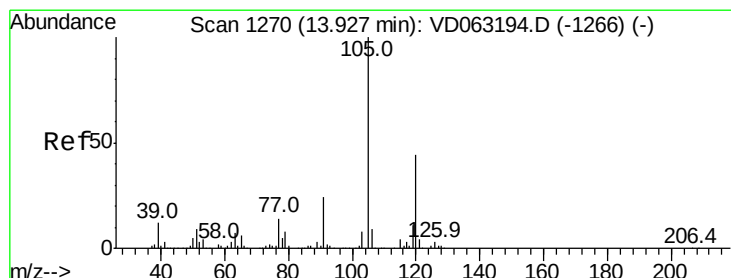
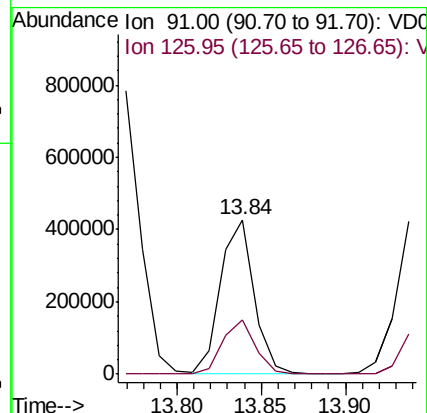
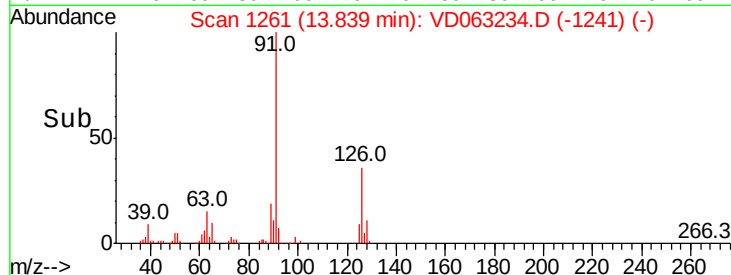
126 35.6 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD063234.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD063234.D (-1258) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.719 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063234.D

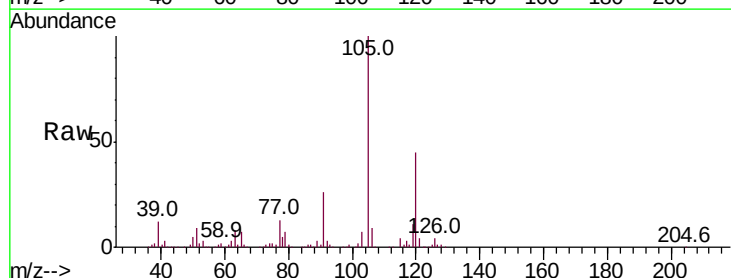
Acq: 30 Jul 2019 11:49

Tgt Ion: 105 Resp: 744384

Ion Ratio Lower Upper

105 100

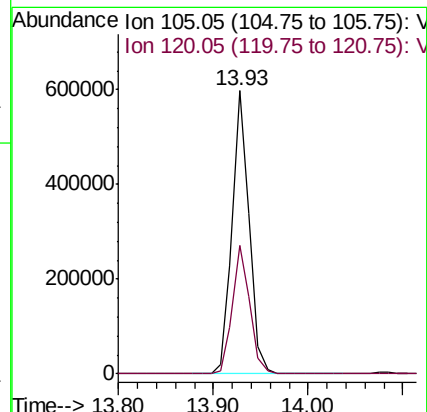
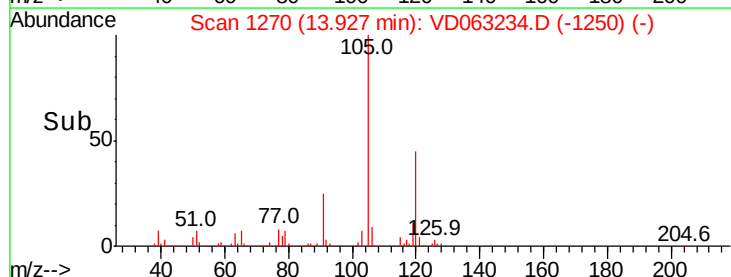
120 45.3 22.1 66.1

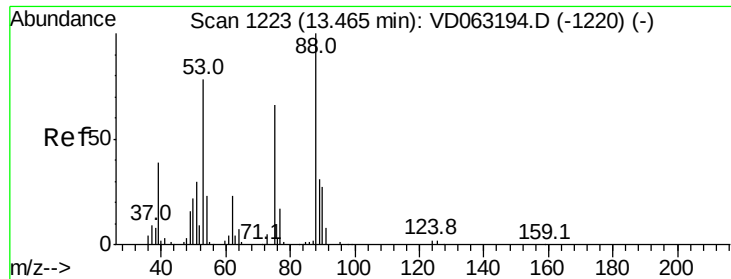


Abundance Ion 105.05 (104.75 to 105.75): VD063234.D (-1250) (-)

Ion 120.05 (119.75 to 120.75): VD063234.D (-1250) (-)

Time-->

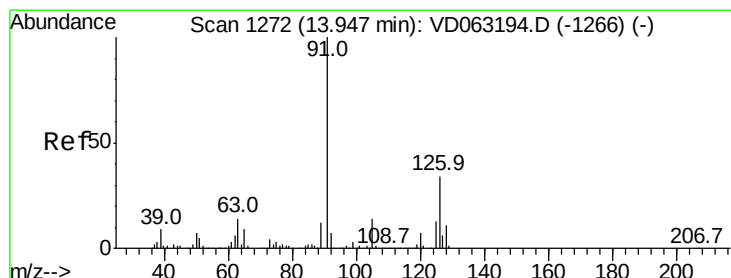
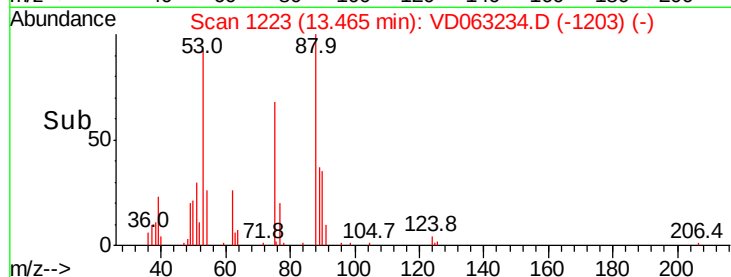
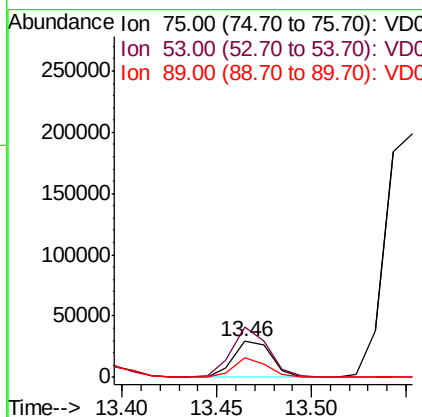
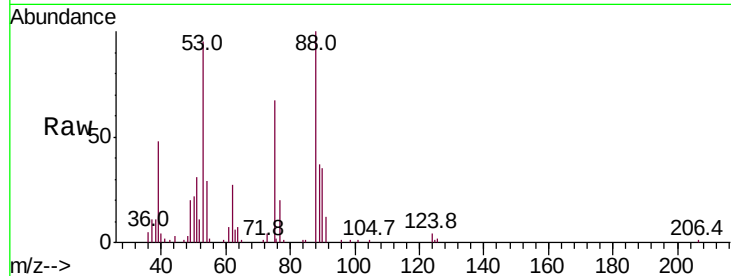




#81
trans-1,4-Dichloro-2-butene
Concen: 19.770 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

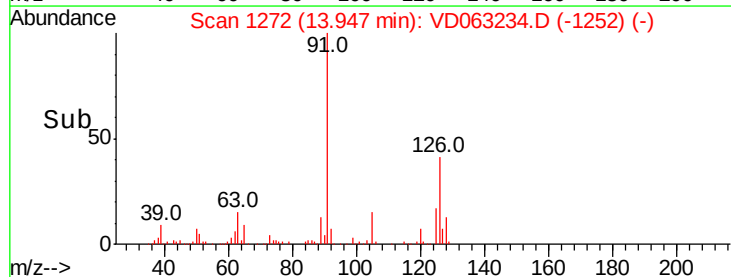
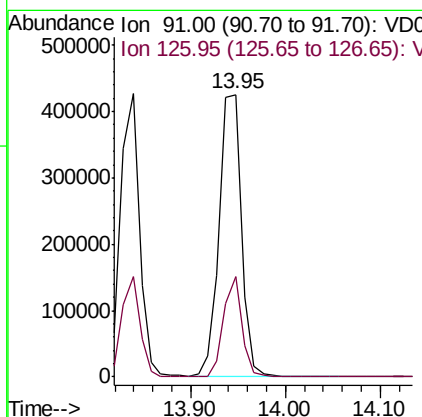
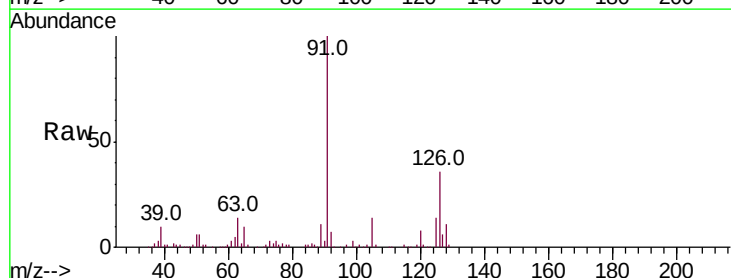
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

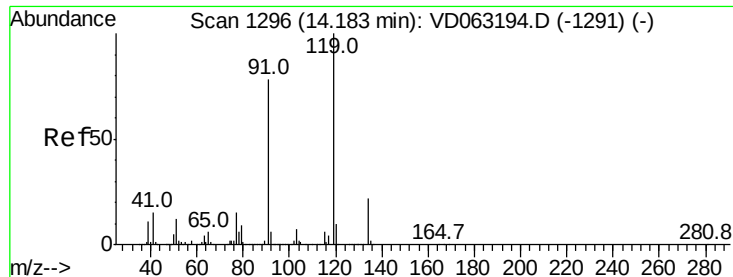
Tot Ion: 75 Resp: 41748
Ion Ratio Lower Upper
75 100
53 141.6 94.9 142.3
89 55.4 37.4 56.0



#82
4-Chlorotoluene
Concen: 21.634 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Tgt Ion: 91 Resp: 697617
Ion Ratio Lower Upper
91 100
126 35.6 17.1 51.2





#83

tert-Butylbenzene

Concen: 20.081 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. 0.00 min

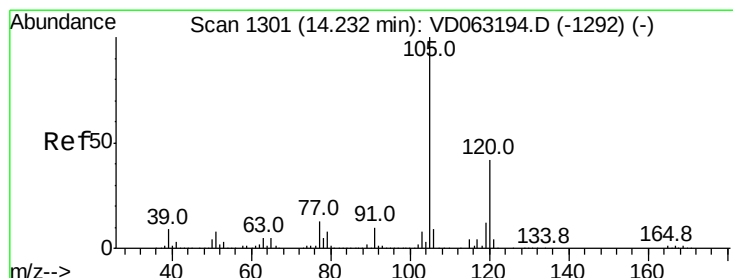
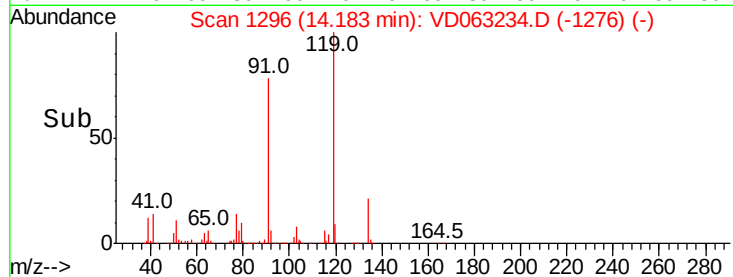
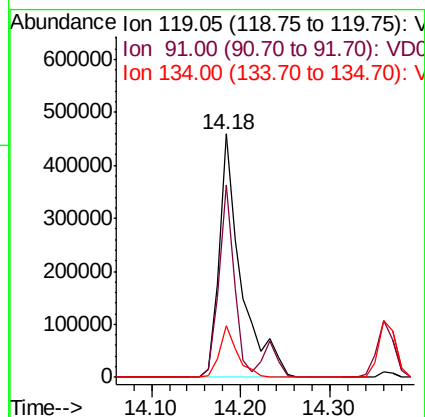
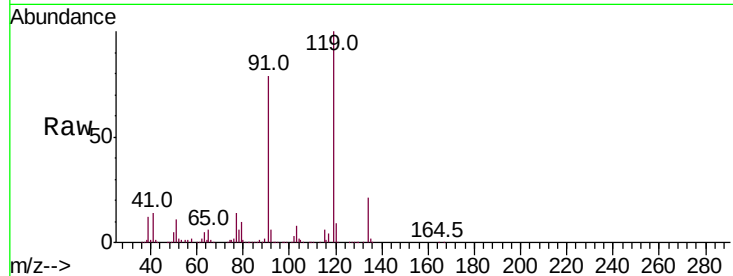
Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

Tot Ion:119 Resp: 785815

Ion	Ratio	Lower	Upper
119	100		
91	78.8	39.1	117.5
134	21.4	10.9	32.6



#84

1,2,4-Trimethylbenzene

Concen: 21.477 ug/l

RT: 14.23 min Scan# 1301

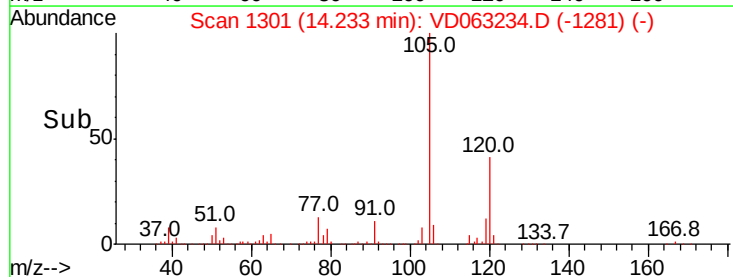
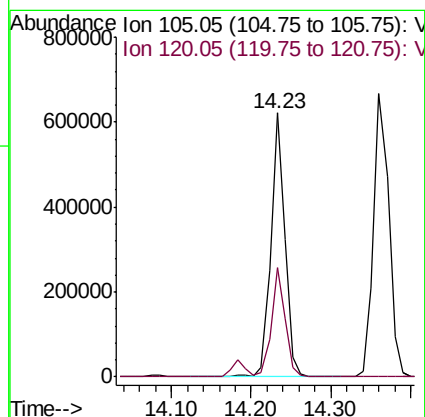
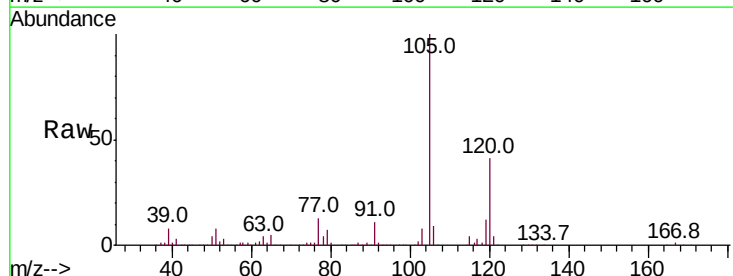
Delta R.T. 0.00 min

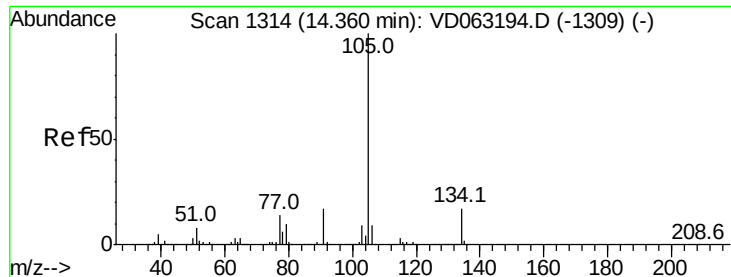
Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Tgt Ion:105 Resp: 761344

Ion	Ratio	Lower	Upper
105	100		
120	41.3	20.9	62.7





#85

sec-Butylbenzene

Concen: 21.065 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

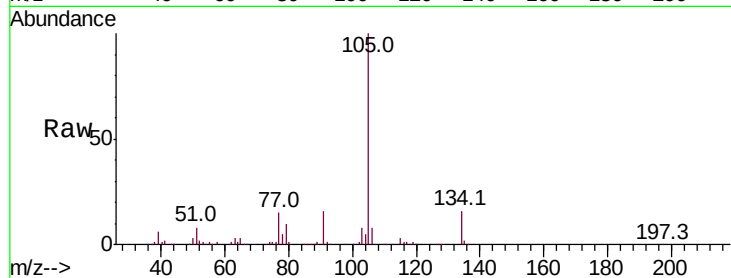
VD0730SBS01

Tot Ion:105 Resp: 868493

Ion Ratio Lower Upper

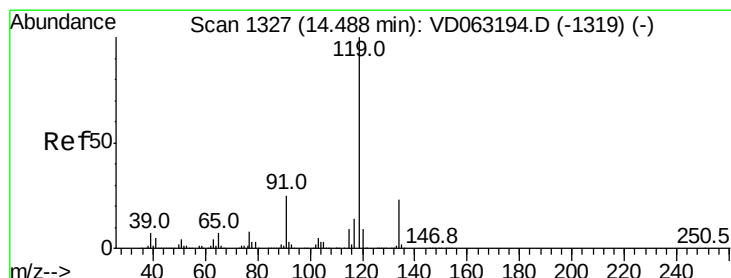
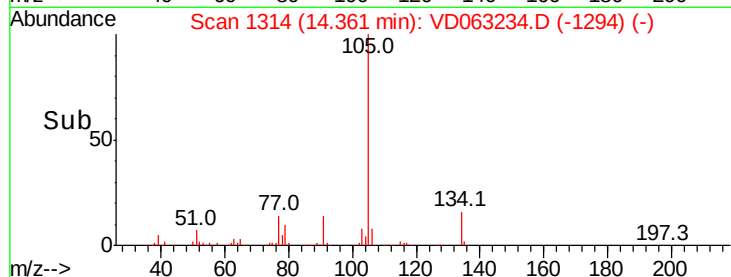
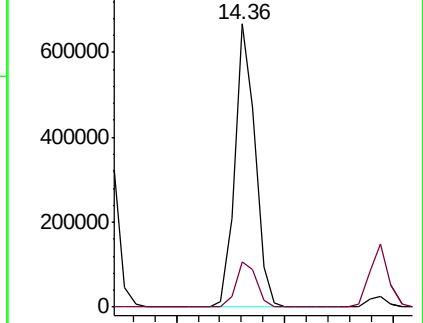
105 100

134 16.0 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: 20.668 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

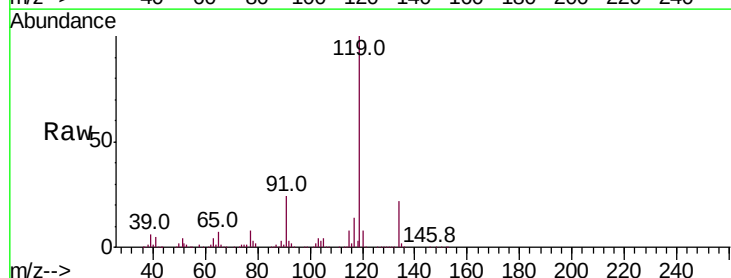
Tgt Ion:119 Resp: 813338

Ion Ratio Lower Upper

119 100

134 22.0 11.5 34.5

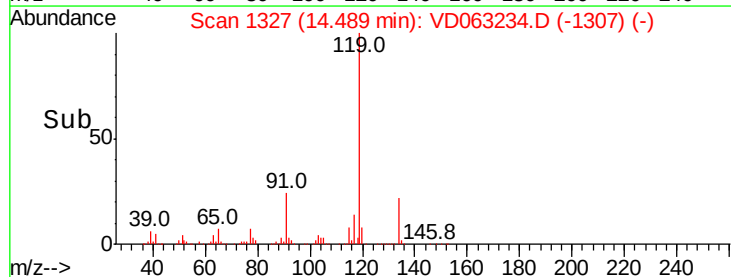
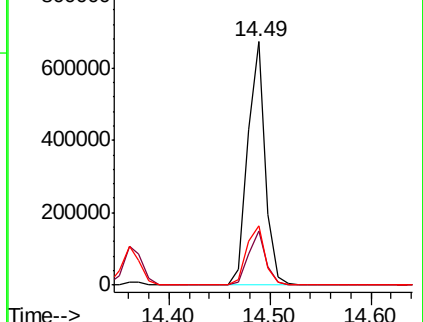
91 24.3 12.6 37.6

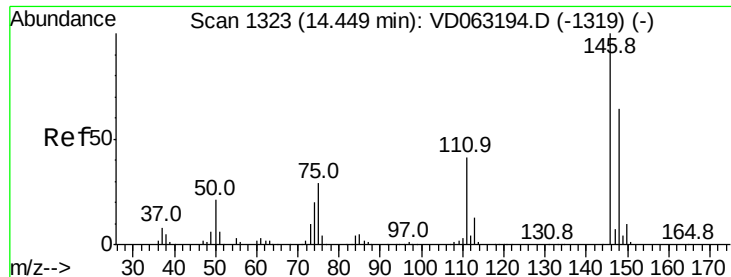


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

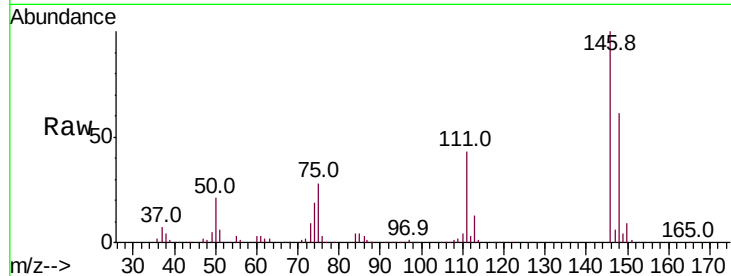




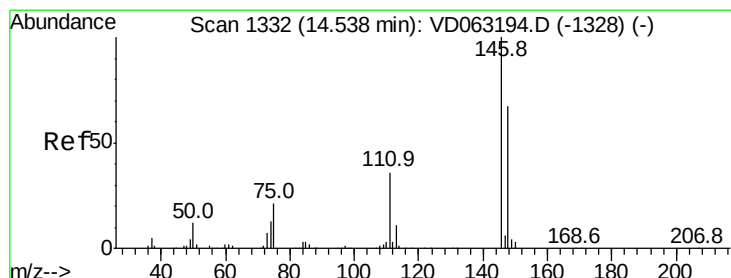
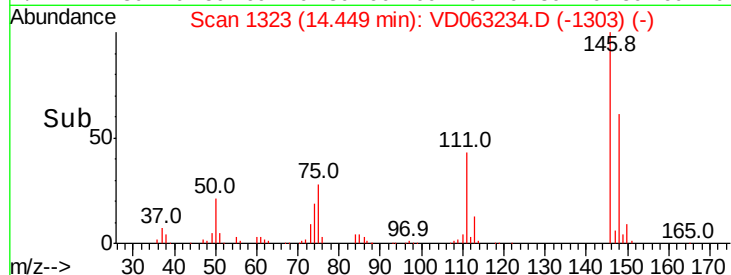
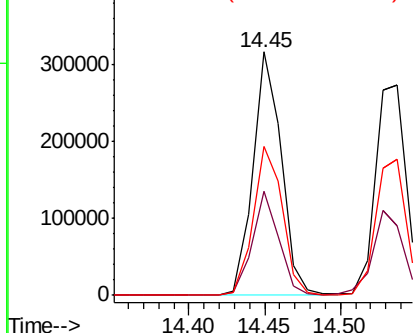
#87
 1,3-Dichlorobenzene
 Concen: 20.615 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063234.D
 Acq: 30 Jul 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBSD01

Tot Ion:146 Resp: 413268
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.4 61.3
 148 61.2 31.8 95.4

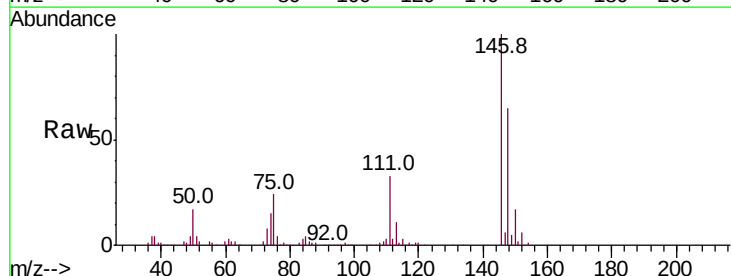


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

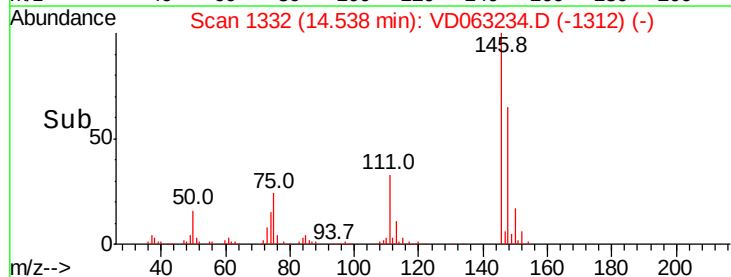
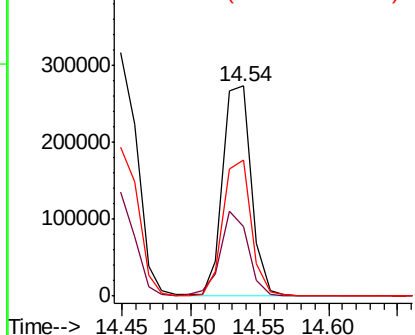


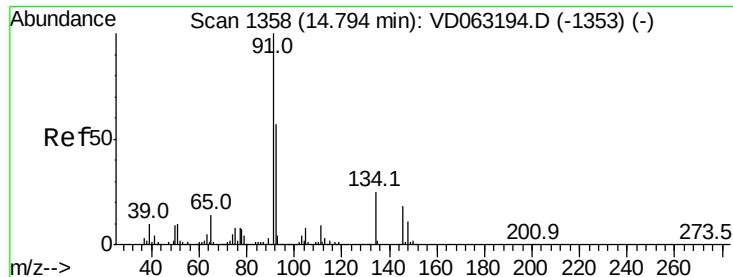
#88
 1,4-Dichlorobenzene
 Concen: 19.325 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063234.D
 Acq: 30 Jul 2019 11:49

Tgt Ion:146 Resp: 391748
 Ion Ratio Lower Upper
 146 100
 111 33.0 18.1 54.3
 148 65.0 33.4 100.1



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





#89

n-Butylbenzene

Concen: 19.766 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

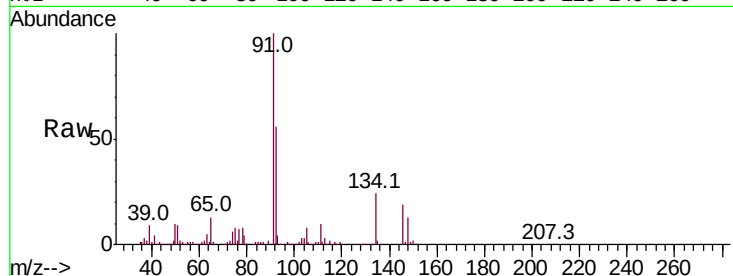
Tot Ion: 91 Resp: 671812

Ion Ratio Lower Upper

91 100

92 56.2 28.3 85.0

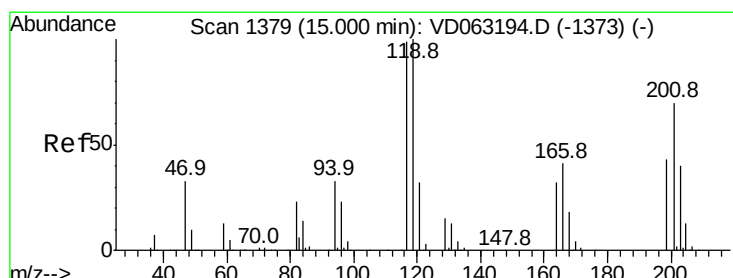
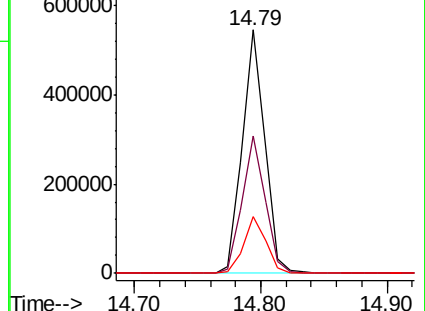
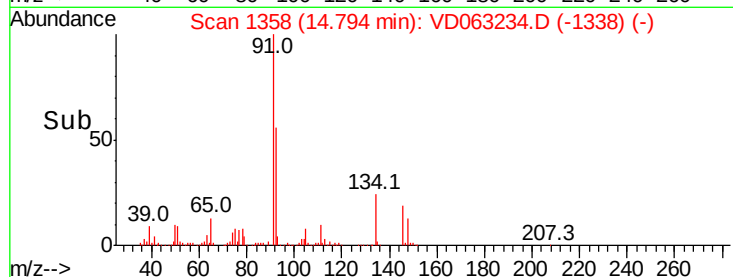
134 23.5 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 20.064 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063234.D

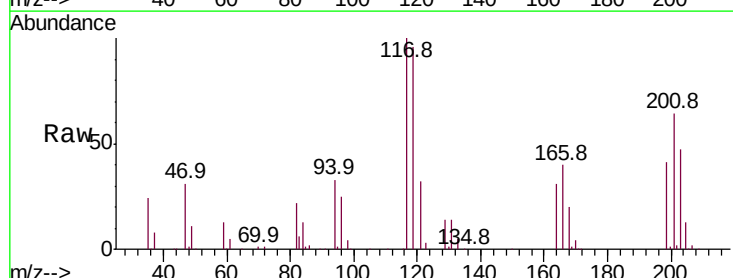
Acq: 30 Jul 2019 11:49

Tgt Ion: 117 Resp: 205712

Ion Ratio Lower Upper

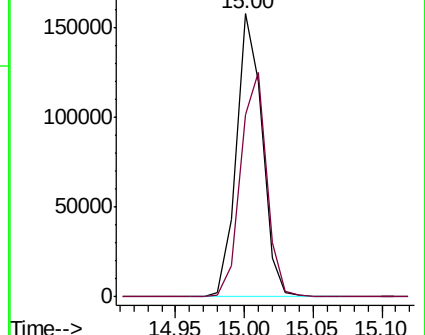
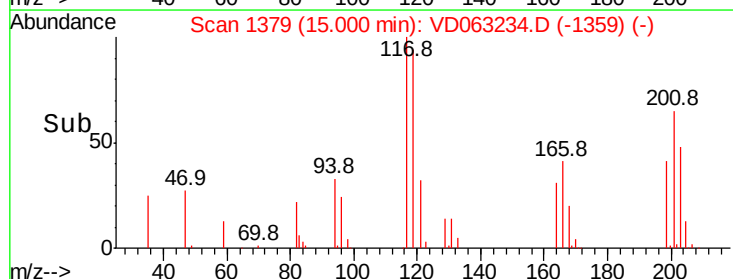
117 100

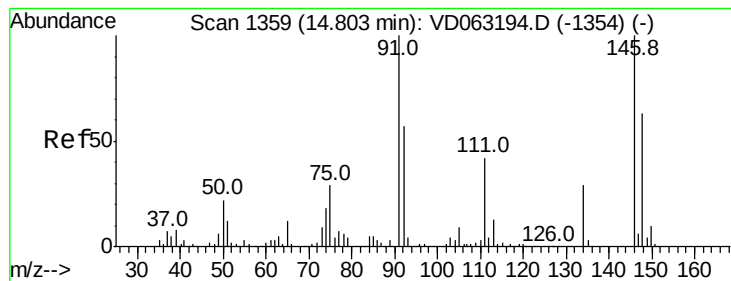
201 64.2 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 18.652 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBSD01

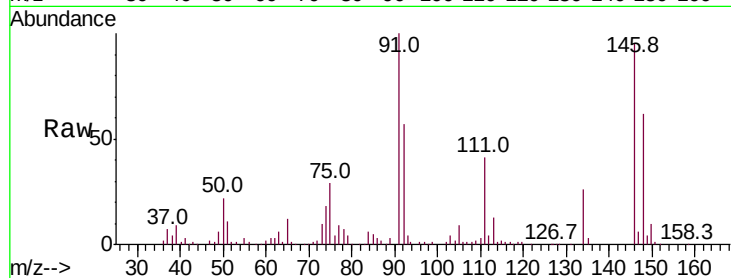
Tot Ion:146 Resp: 325782

Ion Ratio Lower Upper

146 100

111 43.4 21.1 63.3

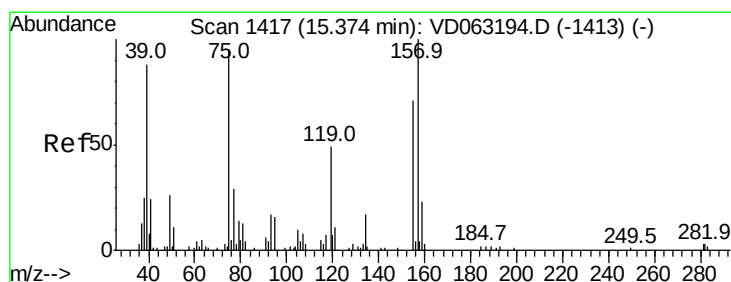
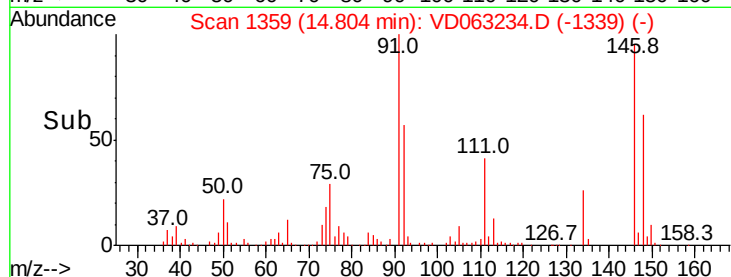
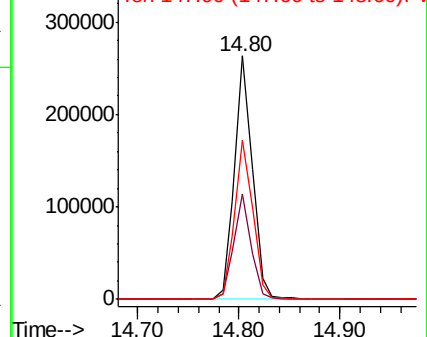
148 65.2 31.6 94.8



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: 22.906 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

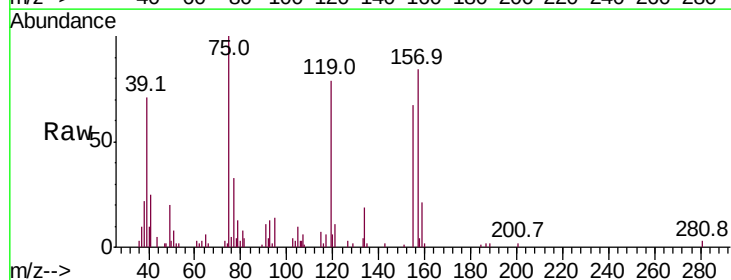
Tgt Ion: 75 Resp: 31494

Ion Ratio Lower Upper

75 100

155 67.2 37.0 111.0

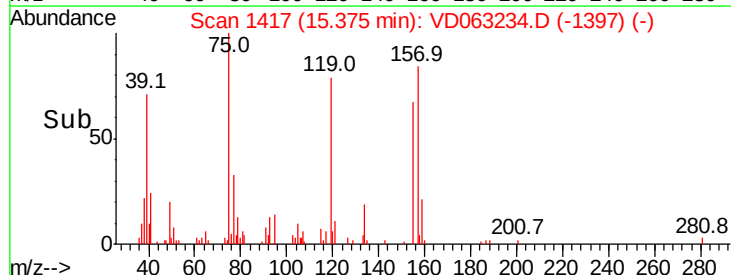
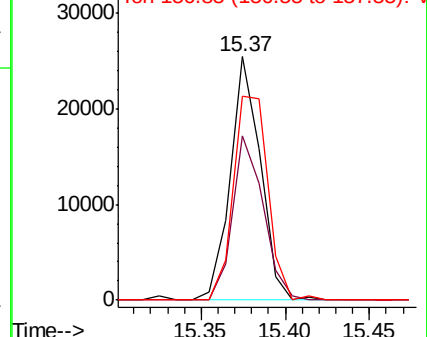
157 84.0 52.4 157.2

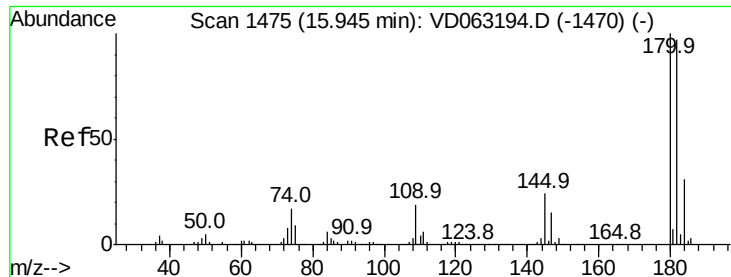


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

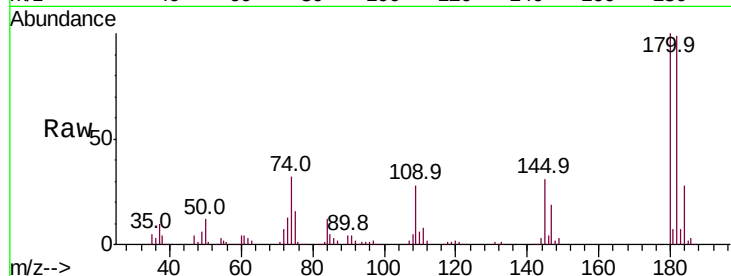




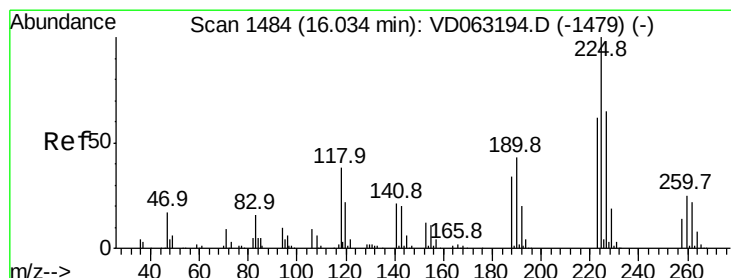
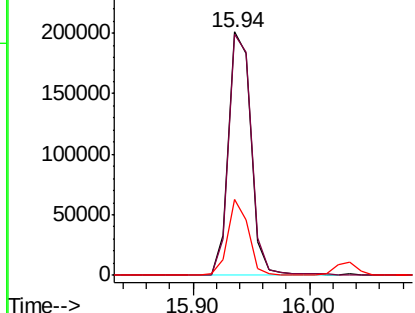
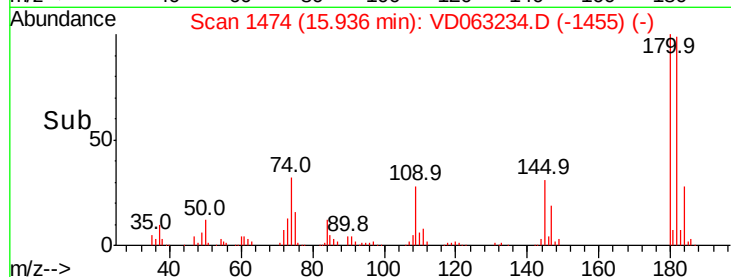
#93
 1,2,4-Trichlorobenzene
 Concen: 19.462 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063234.D
 Acq: 30 Jul 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBSD01

Tot Ion:180 Resp: 269669
 Ion Ratio Lower Upper
 180 100
 182 99.0 48.6 145.8
 145 31.4 12.2 36.6

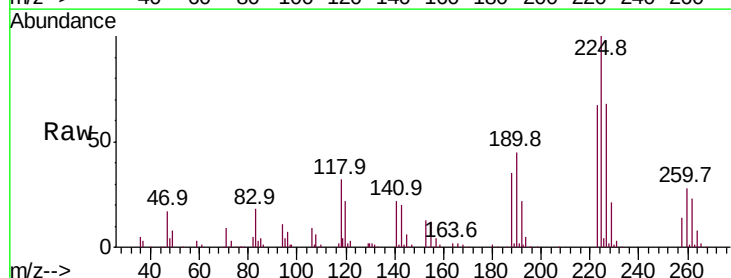


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

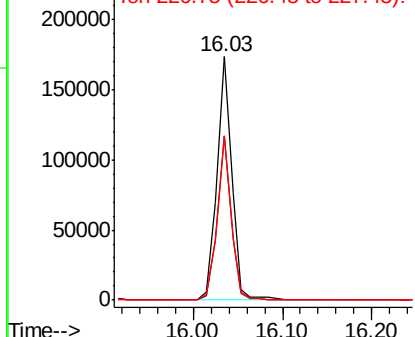
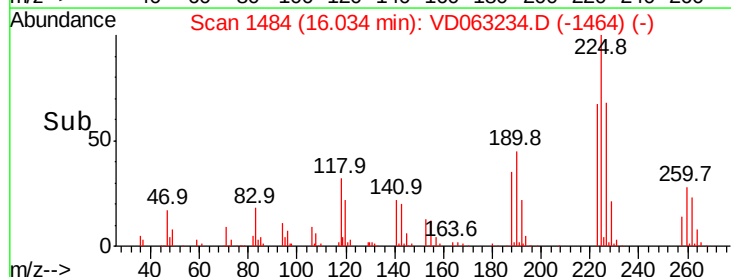


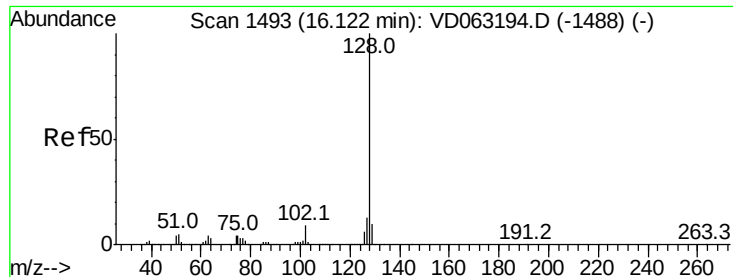
#94
 Hexachlorobutadiene
 Concen: 20.047 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063234.D
 Acq: 30 Jul 2019 11:49

Tgt Ion:225 Resp: 201293
 Ion Ratio Lower Upper
 225 100
 223 67.4 30.9 92.5
 227 67.6 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

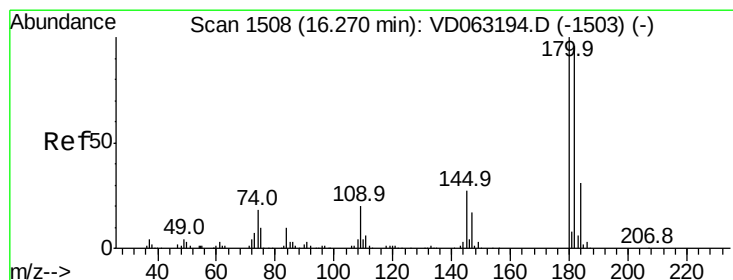
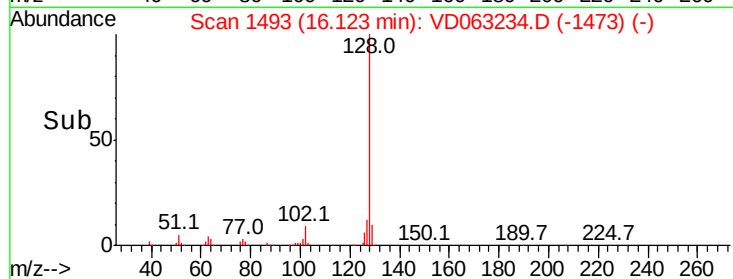
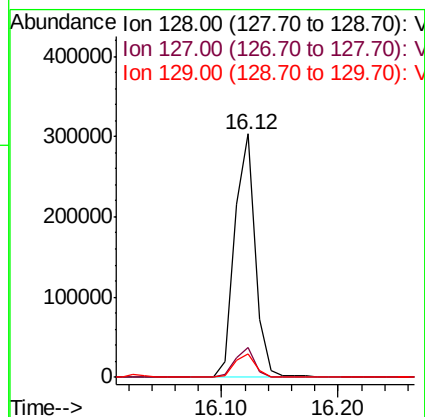
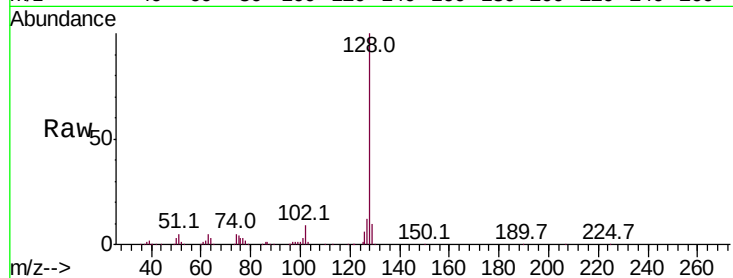




#95
Naphthalene
Concen: 19.012 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

Tot Ion:128 Resp: 372323
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.4
129 9.8 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 21.545 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063234.D
Acq: 30 Jul 2019 11:49

Tgt Ion:180 Resp: 235834
Ion Ratio Lower Upper
180 100
182 88.2 48.3 144.9
145 25.6 13.6 40.7

