

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
 Data File : VD063287.D
 Acq On : 1 Aug 2019 11:29
 Operator : VA/AP
 Sample : VD0801SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0801SBS01

Quant Time: Aug 02 07:22:51 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	7.03	168	1012922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1359692	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1123693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	658716	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	543125	48.32	ug/l	0.00
Spiked Amount						
			Recovery	=	96.64%	
35) Dibromofluoromethane	6.91	113	604607	52.08	ug/l	0.00
Spiked Amount						
			Recovery	=	104.16%	
50) Toluene-d8	10.40	98	1419031	54.62	ug/l	0.00
Spiked Amount						
			Recovery	=	109.24%	
62) 4-Bromofluorobenzene	13.55	95	607617	51.32	ug/l	0.00
Spiked Amount						
			Recovery	=	102.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	271296	21.911	ug/l	97
3) Chloromethane	1.73	50	222695	23.150	ug/l #	87
4) Vinyl Chloride	1.84	62	210065	21.094	ug/l	97
5) Bromomethane	2.14	94	94029	18.721	ug/l	98
6) Chloroethane	2.25	64	98764	21.481	ug/l	95
7) Trichlorofluoromethane	2.51	101	422984	21.894	ug/l	94
8) Diethyl Ether	2.87	74	52623	19.462	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.13	101	251242	23.476	ug/l	95
10) Methyl Iodide	3.29	142	289440	18.722	ug/l	93
11) Tert butyl alcohol	4.07	59	44881	90.993	ug/l	95
12) 1,1-Dichloroethene	3.11	96	186966	23.797	ug/l	88
13) Acrolein	3.02	56	42283	89.074	ug/l	100
14) Allyl chloride	3.61	41	263685	21.068	ug/l	90
15) Acrylonitrile	4.19	53	125857	98.421	ug/l	95
16) Acetone	3.21	43	214185	97.808	ug/l	99
17) Carbon Disulfide	3.36	76	541136	20.578	ug/l	100
18) Methyl Acetate	3.63	43	83917	19.950	ug/l #	90
19) Methyl tert-butyl Ether	4.23	73	364321	20.529	ug/l	96
20) Methylene Chloride	3.80	84	179779	20.310	ug/l	93
21) trans-1,2-Dichloroethene	4.21	96	192148	21.797	ug/l	94
22) Diisopropyl ether	5.11	45	498278	19.927	ug/l	96
23) Vinyl Acetate	5.04	43	1498721	97.504	ug/l	99
24) 1,1-Dichloroethane	4.96	63	345052	21.603	ug/l	98
25) 2-Butanone	6.07	43	204320	92.969	ug/l	98
26) 2,2-Dichloropropane	6.02	77	353957	21.504	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	202453	21.420	ug/l	94
28) Bromochloromethane	6.42	49	117078	18.397	ug/l #	87
29) Tetrahydrofuran	6.45	42	92954	89.336	ug/l	94
30) Chloroform	6.65	83	414963	20.935	ug/l	97
31) Cyclohexane	6.93	56	204301	20.407	ug/l	91
32) 1,1,1-Trichloroethane	6.85	97	396158	20.662	ug/l	97
36) 1,1-Dichloropropene	7.14	75	275974	22.240	ug/l	99
37) Ethyl Acetate	6.17	43	106216	19.053	ug/l #	94
38) Carbon Tetrachloride	7.10	117	403319	21.590	ug/l	98

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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)
39) Methylcyclohexane	8.85	83	240779	23.289	ug/l	94
40) Benzene	7.44	78	552230	21.234	ug/l	98
41) Methacrylonitrile	6.43	41	135274	20.285	ug/l #	87
42) 1,2-Dichloroethane	7.56	62	280015	20.316	ug/l	98
43) Isopropyl Acetate	9.24	43	135432	19.018	ug/l #	99
44) Trichloroethene	8.53	130	232376	22.051	ug/l	87
45) 1,2-Dichloropropane	8.93	63	134690	20.376	ug/l #	86
46) Dibromomethane	9.05	93	122648	22.315	ug/l	82
47) Bromodichloromethane	9.36	83	302126	21.564	ug/l	99
48) Methyl methacrylate	9.11	41	99691	21.585	ug/l	94
49) 1,4-Dioxane	9.07	88	17236	438.230	ug/l #	72
51) 4-Methyl-2-Pentanone	10.29	43	494569	102.119	ug/l	99
52) Toluene	10.50	92	388084	22.436	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	244724	20.260	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	280461	22.093	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	131313	22.478	ug/l	93
56) Ethyl methacrylate	11.04	69	126171	19.724	ug/l	92
57) 1,3-Dichloropropane	11.40	76	207750	22.571	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	334161	100.391	ug/l	99
59) 2-Hexanone	11.52	43	359592	103.032	ug/l	90
60) Dibromochloromethane	11.68	129	246539	22.355	ug/l	98
61) 1,2-Dibromoethane	11.80	107	146463	20.318	ug/l	97
64) Tetrachloroethene	11.24	164	206150	23.028	ug/l	93
65) Chlorobenzene	12.40	112	481240	22.266	ug/l	93
66) 1,1,1,2-Tetrachloroethane	12.50	131	230930	24.256	ug/l	95
67) Ethyl Benzene	12.51	91	873741	23.797	ug/l	99
68) m/p-Xylenes	12.66	106	620958	46.116	ug/l	99
69) o-Xylene	13.05	106	255977	20.701	ug/l	99
70) Styrene	13.07	104	453590	20.685	ug/l	97
71) Bromoform	13.23	173	146458	21.154	ug/l	98
73) Isopropylbenzene	13.40	105	850587	20.574	ug/l	96
74) N-amyl acetate	13.26	43	208868	19.111	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	145471	20.714	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	146997	18.579	ug/l	99
77) Bromobenzene	13.67	156	237549	20.170	ug/l	84
78) n-propylbenzene	13.76	91	979544	19.910	ug/l	96
79) 2-Chlorotoluene	13.83	91	586641	20.578	ug/l	96
80) 1,3,5-Trimethylbenzene	13.92	105	768047	21.539	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	39450	17.956	ug/l #	94
82) 4-Chlorotoluene	13.94	91	718534	21.417	ug/l	98
83) tert-Butylbenzene	14.19	119	814019	19.993	ug/l	88
84) 1,2,4-Trimethylbenzene	14.23	105	740109	20.067	ug/l	95
85) sec-Butylbenzene	14.37	105	910394	21.223	ug/l	97
86) p-Isopropyltoluene	14.48	119	860379	21.014	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	412722	19.788	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	444719	21.086	ug/l	95
89) n-Butylbenzene	14.79	91	763587	21.594	ug/l	95
90) Hexachloroethane	15.01	117	212847	19.954	ug/l	78
91) 1,2-Dichlorobenzene	14.80	146	377335	20.764	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	24458	17.098	ug/l	58

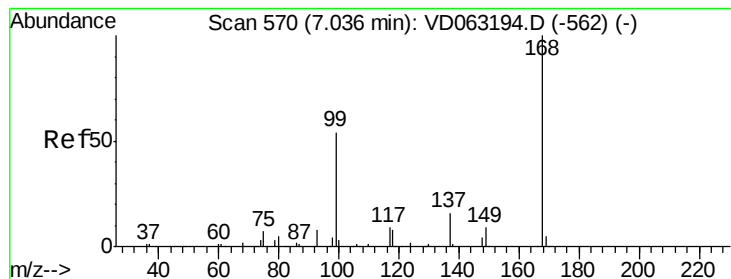
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
Data File : VD063287.D
Acq On : 1 Aug 2019 11:29
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	271110	18.806	ug/l	99
94) Hexachlorobutadiene	16.03	225	200545	19.196	ug/l	98
95) Naphthalene	16.12	128	363189	17.825	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	220298	19.344	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

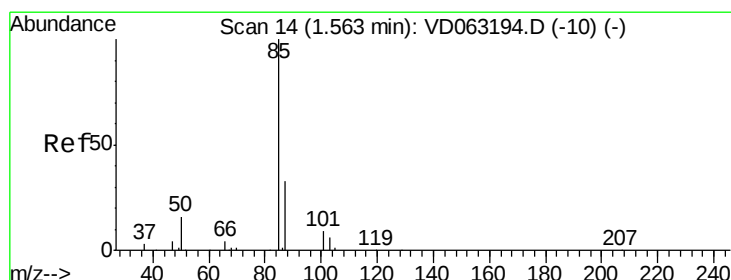
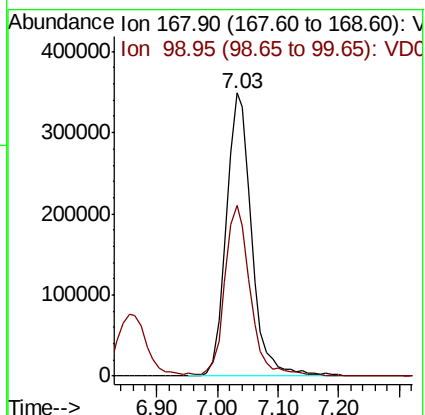
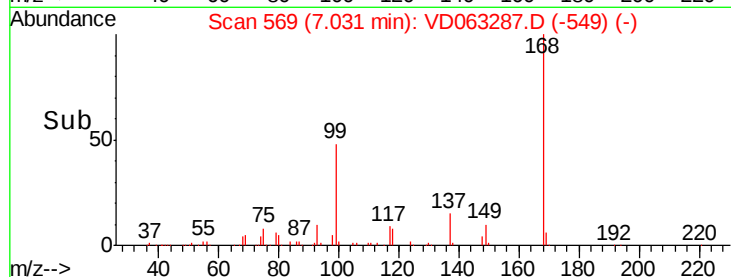
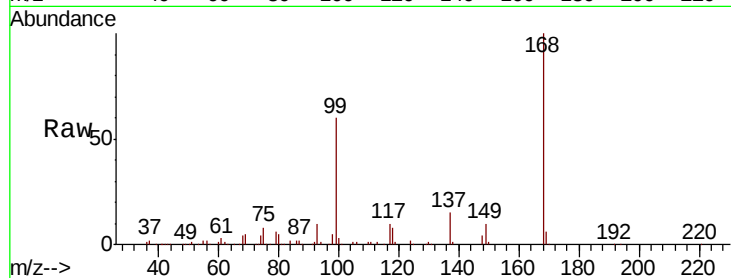
VD0801SBS01

Tot Ion:168 Resp: 1012922

Ion Ratio Lower Upper

168 100

99 60.1 43.7 65.5



#2

Dichlorodifluoromethane

Concen: 21.911 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063287.D

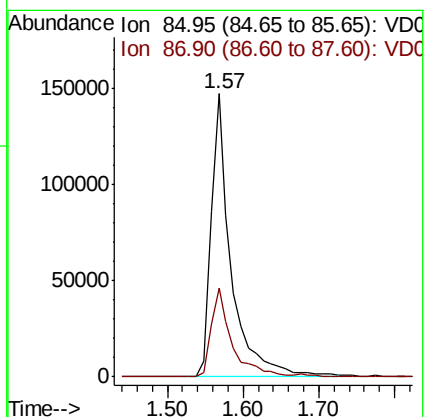
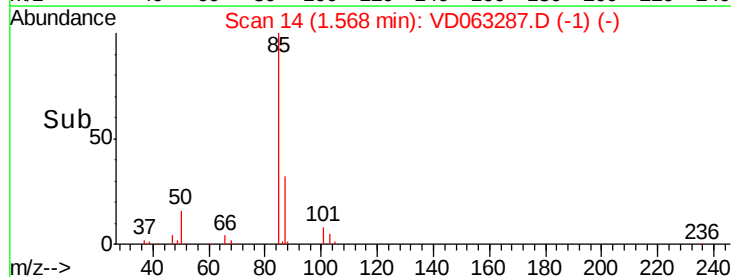
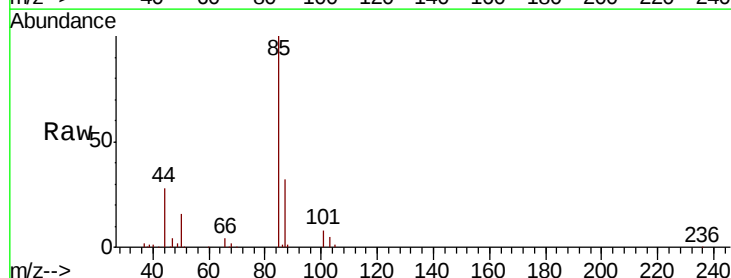
Acq: 1 Aug 2019 11:29

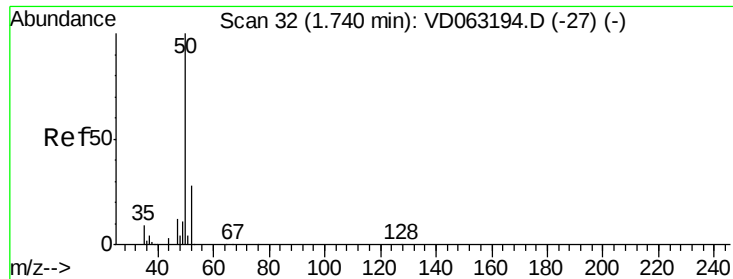
Tgt Ion: 85 Resp: 271296

Ion Ratio Lower Upper

85 100

87 31.6 16.6 49.7





#3

Chloromethane

Concen: 23.150 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

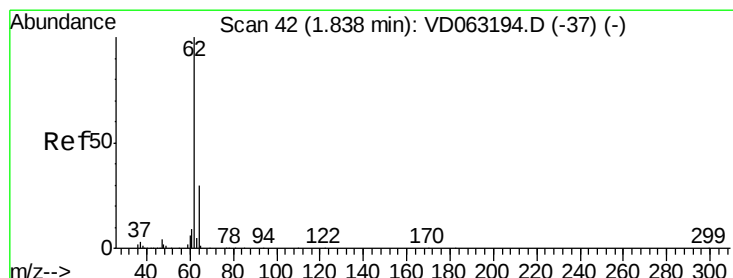
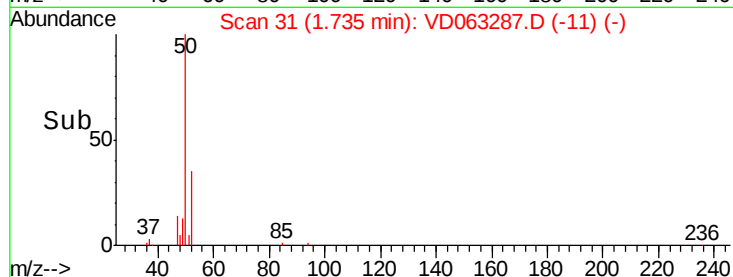
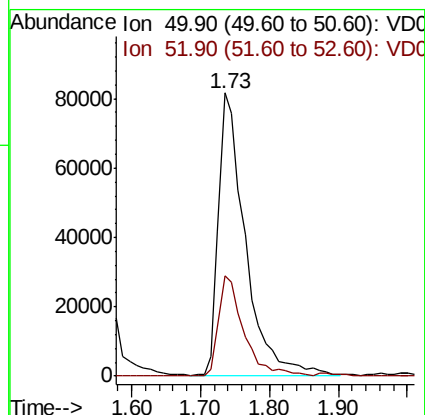
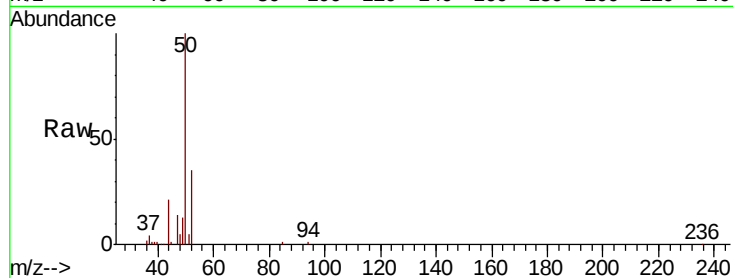
VD0801SBS01

Tot Ion: 50 Resp: 222695

Ion Ratio Lower Upper

50 100

52 35.3 22.6 34.0#



#4

Vinyl Chloride

Concen: 21.094 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063287.D

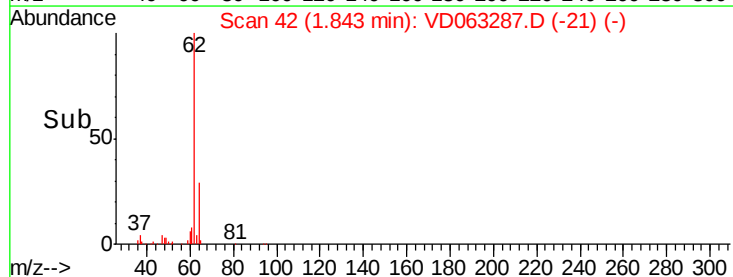
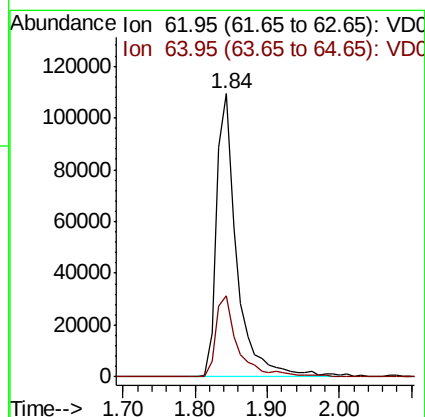
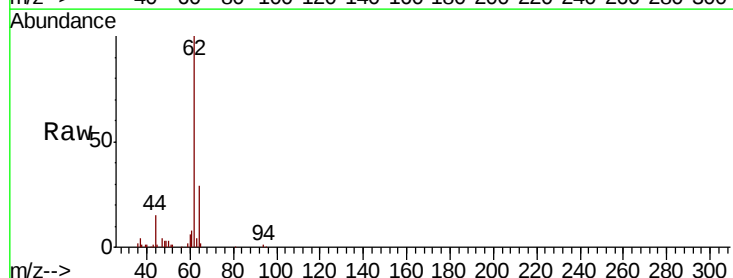
Acq: 1 Aug 2019 11:29

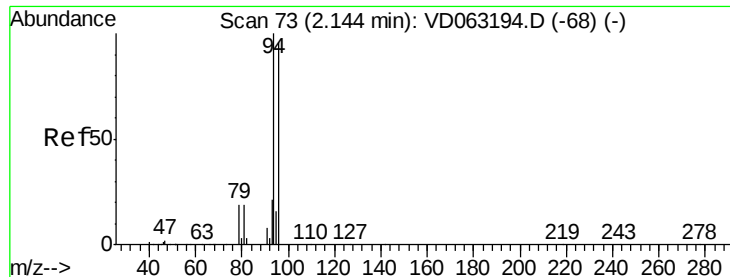
Tgt Ion: 62 Resp: 210065

Ion Ratio Lower Upper

62 100

64 28.6 24.1 36.1





#5

Bromomethane

Concen: 18.721 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBS01

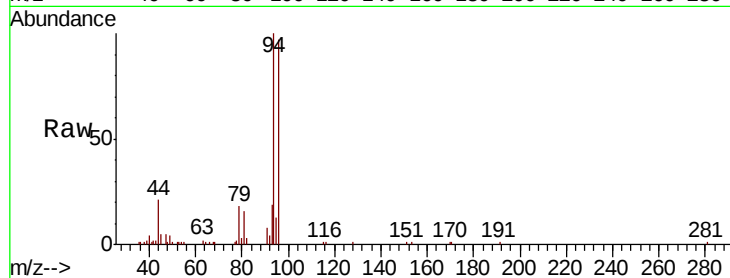
Tot Ion: 94 Resp: 94029

Ion Ratio Lower Upper

94 100

96 97.1 76.4 114.6

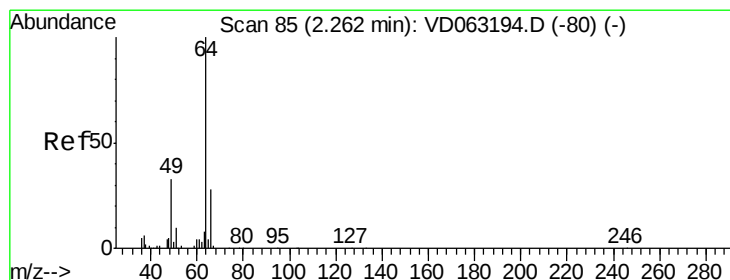
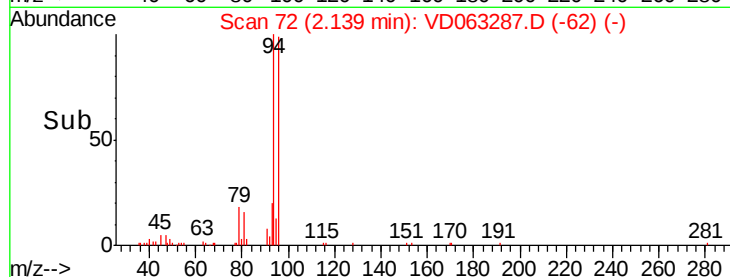
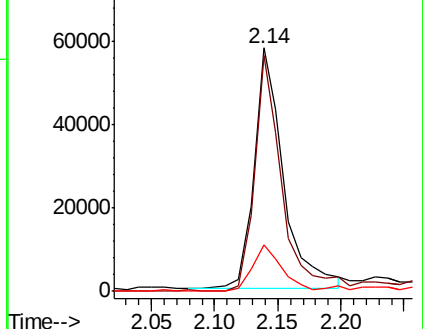
93 19.3 17.3 25.9



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: 21.481 ug/l

RT: 2.25 min Scan# 83

Delta R.T. -0.01 min

Lab File: VD063287.D

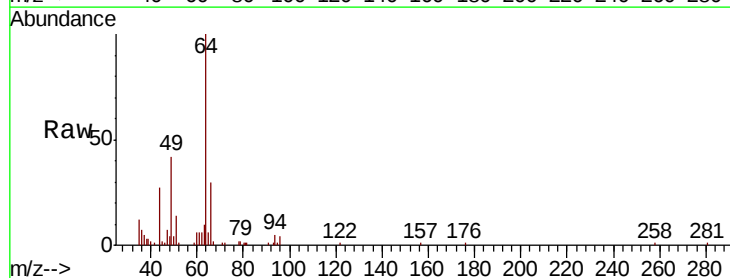
Acq: 1 Aug 2019 11:29

Tgt Ion: 64 Resp: 98764

Ion Ratio Lower Upper

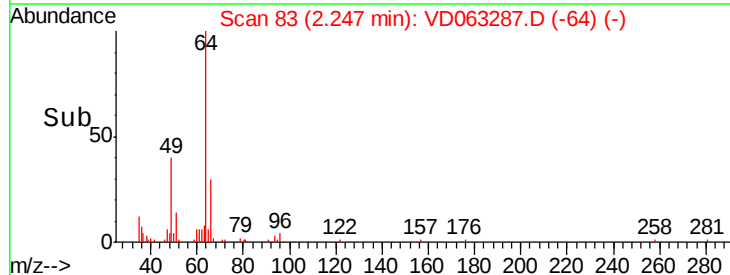
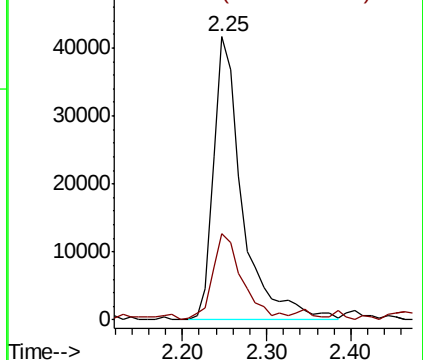
64 100

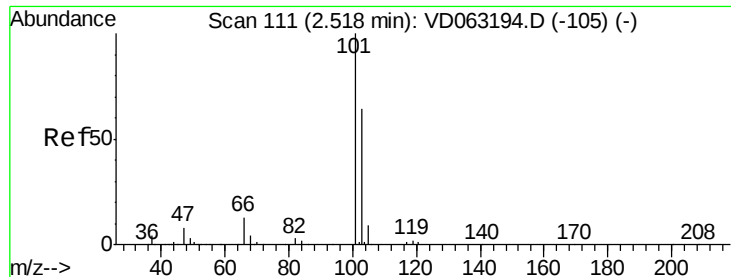
66 30.3 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



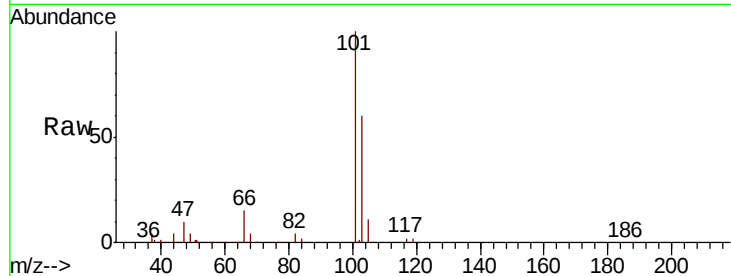


#7

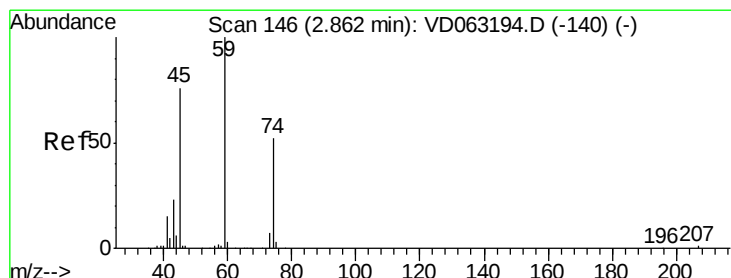
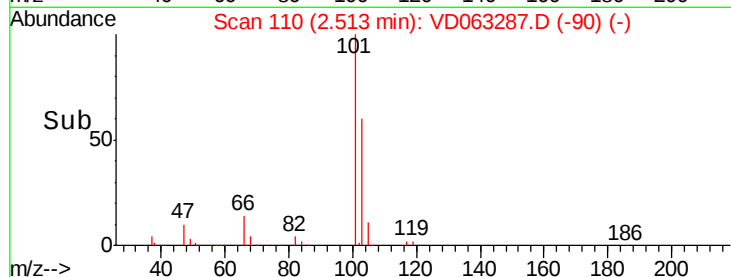
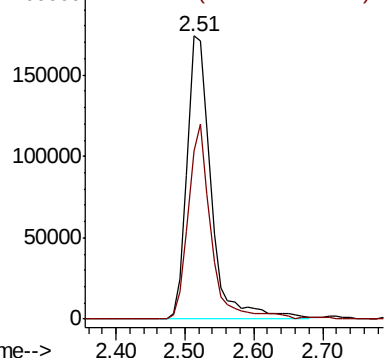
Trichlorofluoromethane
 Concen: 21.894 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.00 min
 Lab File: VD063287.D
 Acq: 1 Aug 2019 11:29

Instrument :
 MSVOA_D
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 VD0801SBS01

Tot Ion:101 Resp: 422984
 Ion Ratio Lower Upper
 101 100
 103 59.6 51.5 77.3



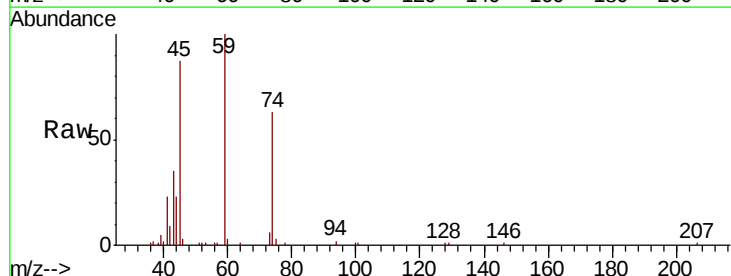
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



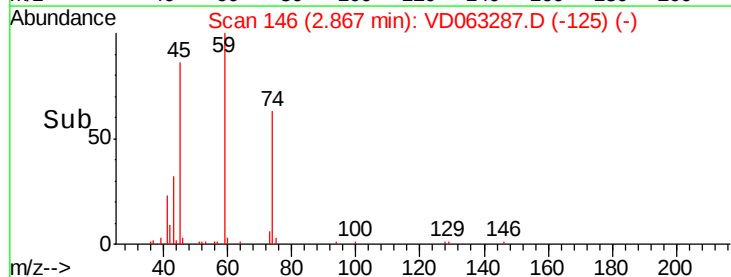
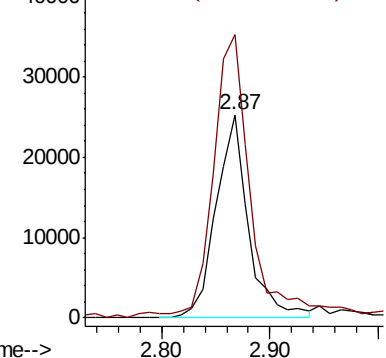
#8

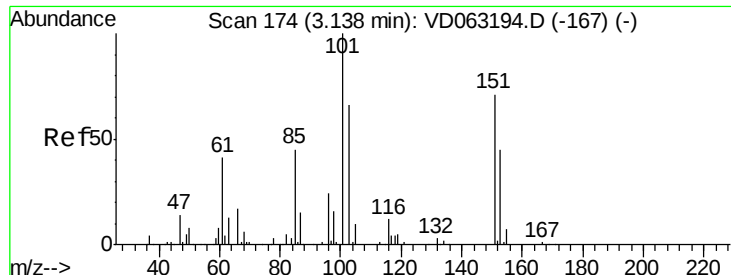
Diethyl Ether
 Concen: 19.462 ug/l
 RT: 2.87 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD063287.D
 Acq: 1 Aug 2019 11:29

Tgt Ion: 74 Resp: 52623
 Ion Ratio Lower Upper
 74 100
 45 139.2 73.6 220.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.476 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBS01

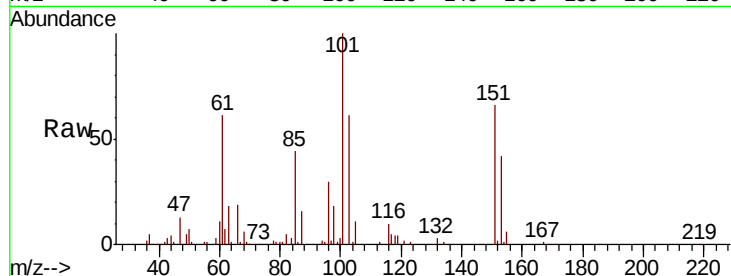
Tot Ion:101 Resp: 251242

Ion Ratio Lower Upper

101 100

85 44.2 36.1 54.1

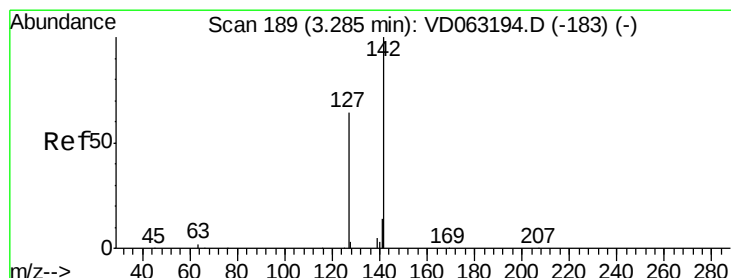
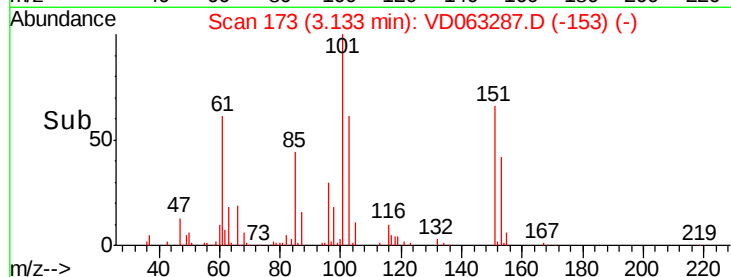
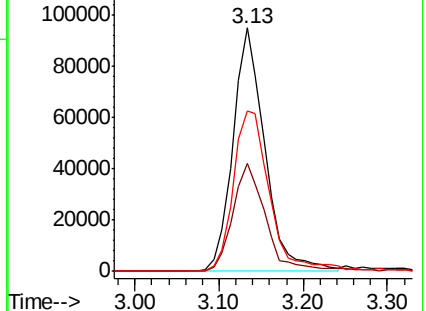
151 65.7 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.722 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

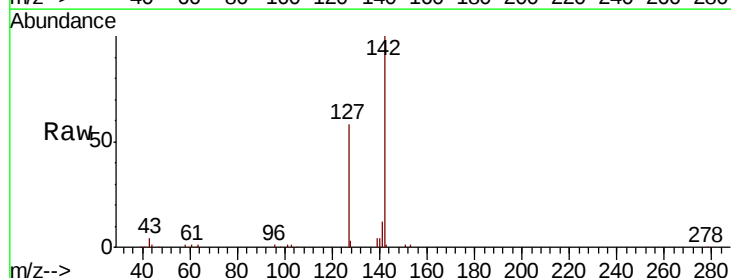
Tgt Ion:142 Resp: 289440

Ion Ratio Lower Upper

142 100

127 58.0 50.8 76.2

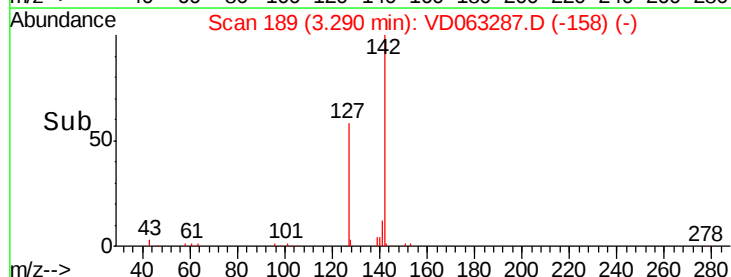
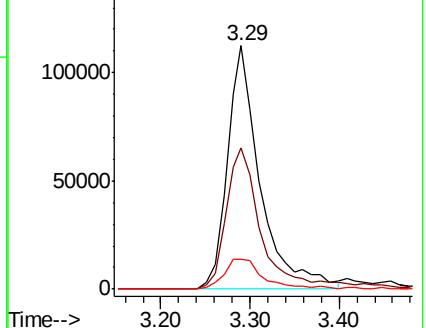
141 12.1 11.4 17.2

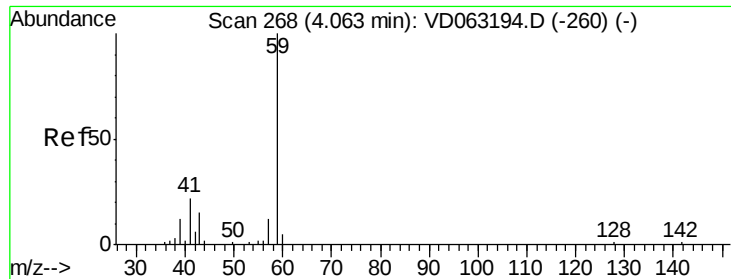


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



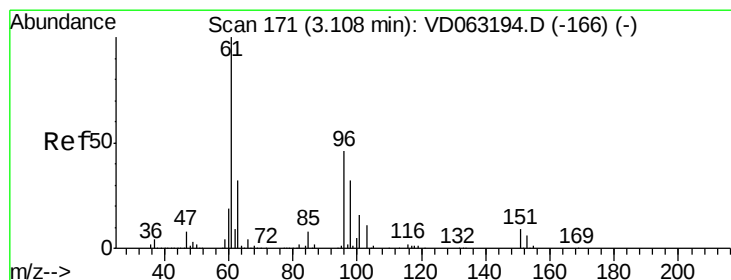
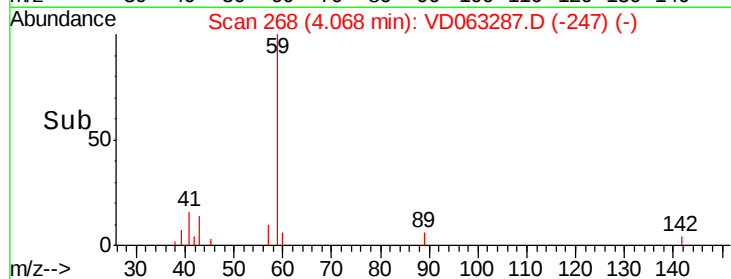
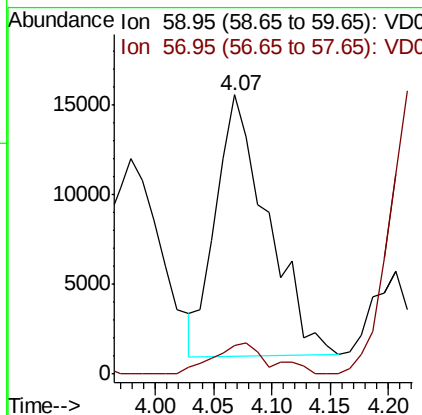
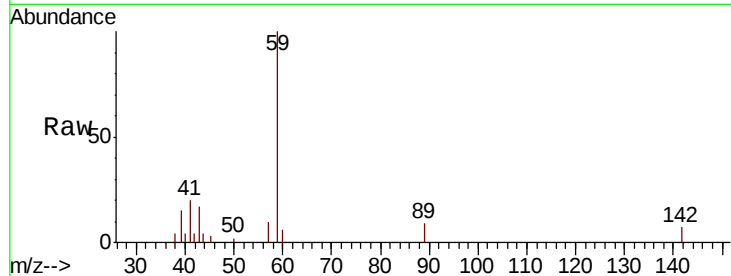


#11

Tert butyl alcohol
Concen: 90.993 ug/l
RT: 4.07 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0801SBS01

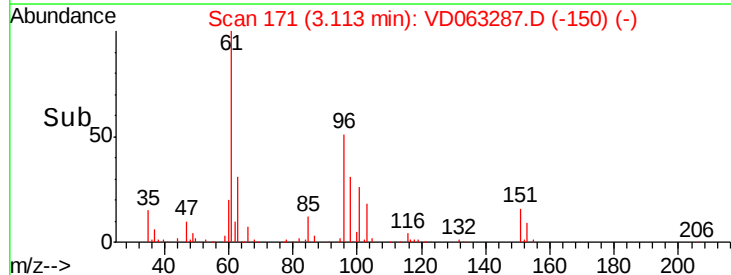
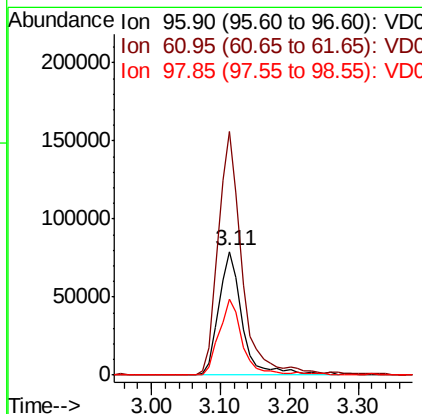
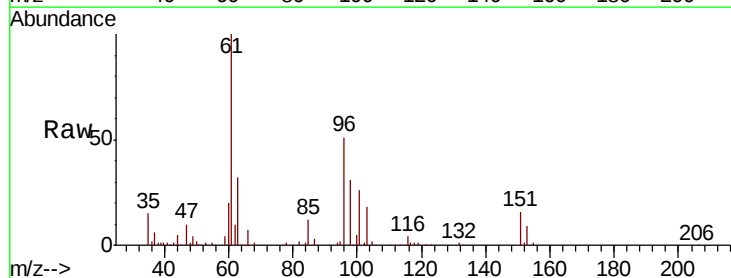
Tot Ion: 59 Resp: 44881
Ion Ratio Lower Upper
59 100
57 10.2 9.6 14.4

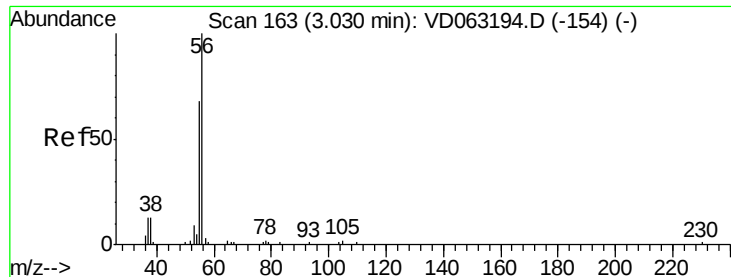


#12

1,1-Dichloroethene
Concen: 23.797 ug/l
RT: 3.11 min Scan# 171
Delta R.T. 0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Tgt Ion: 96 Resp: 186966
Ion Ratio Lower Upper
96 100
61 197.4 173.7 260.5
98 61.8 55.8 83.8





#13

Acrolein

Concen: 89.074 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

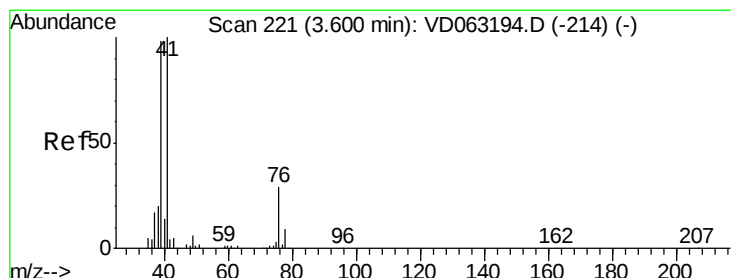
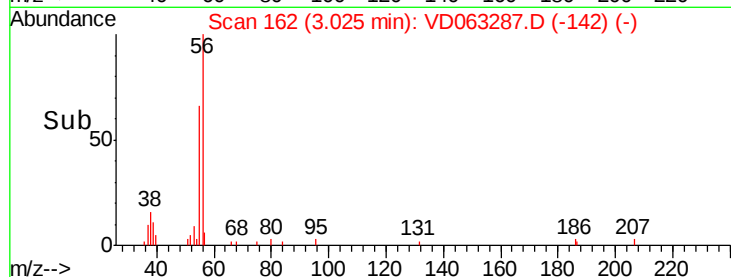
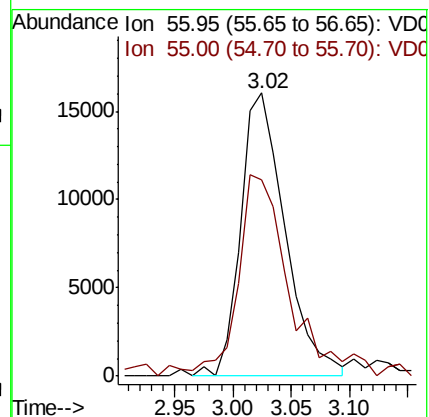
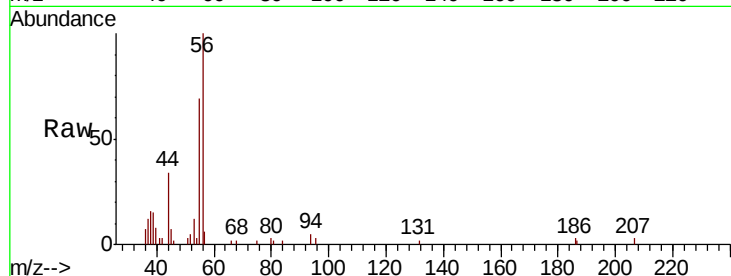
VD0801SBS01

Tot Ion: 56 Resp: 42283

Ion Ratio Lower Upper

56 100

55 69.3 55.3 82.9



#14

Allyl chloride

Concen: 21.068 ug/l

RT: 3.61 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

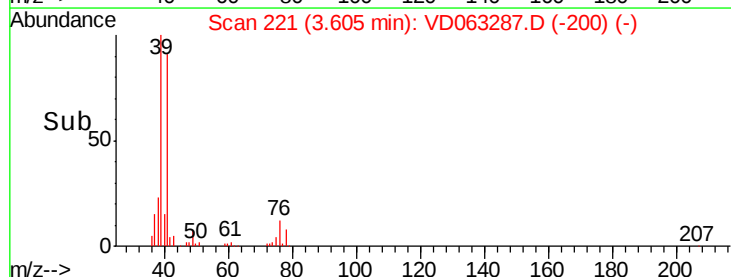
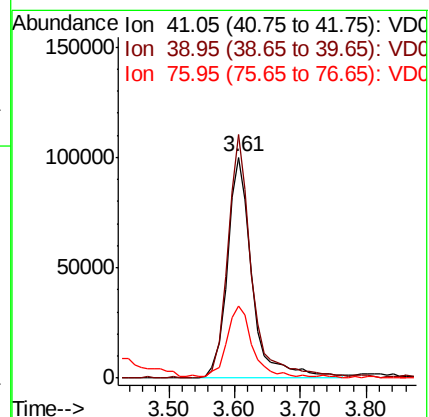
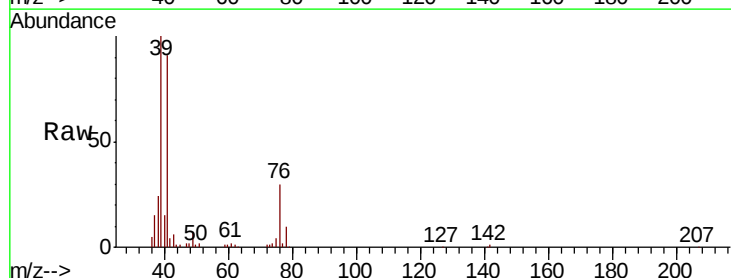
Tgt Ion: 41 Resp: 263685

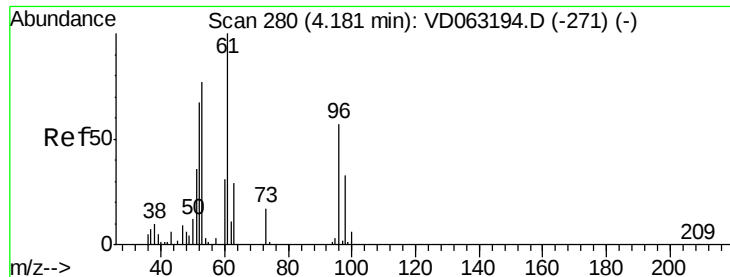
Ion Ratio Lower Upper

41 100

39 110.1 78.6 117.8

76 32.7 24.5 36.7





#15

Acrylonitrile

Concen: 98.421 ug/l

RT: 4.19 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleID :

VD0801SBS01

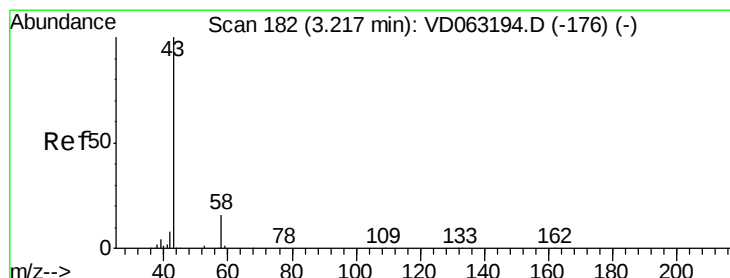
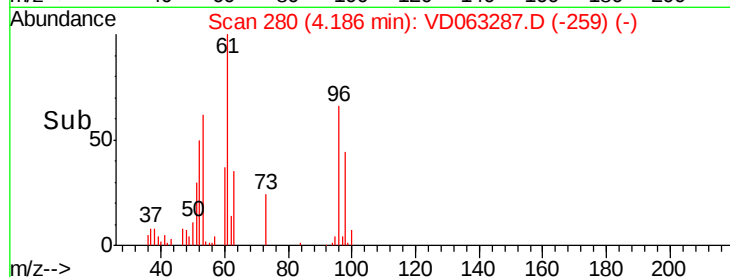
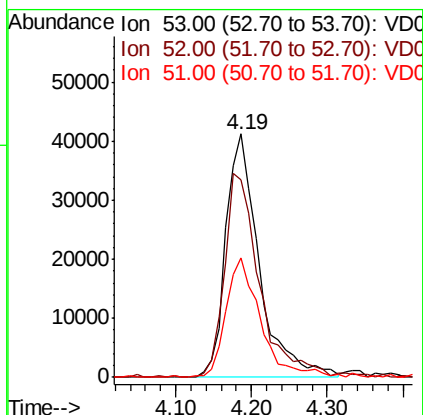
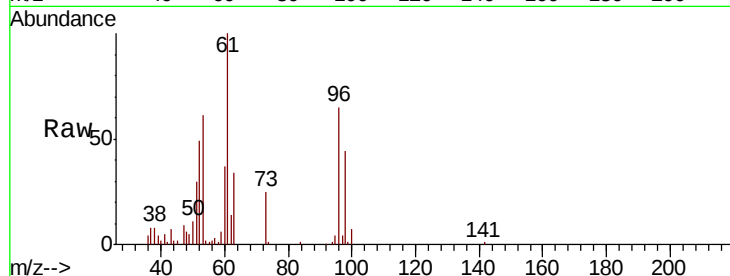
Tot Ion: 53 Resp: 125857

Ion Ratio Lower Upper

53 100

52 81.2 69.7 104.5

51 49.0 37.4 56.0



#16

Acetone

Concen: 97.808 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.00 min

Lab File: VD063287.D

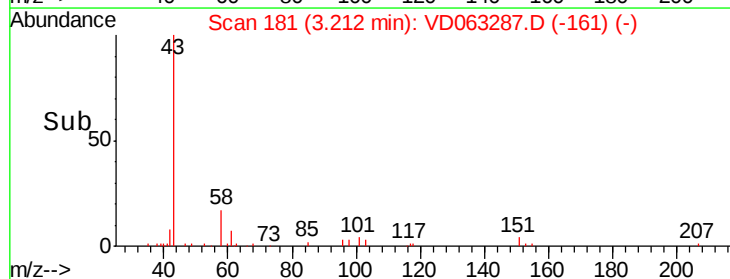
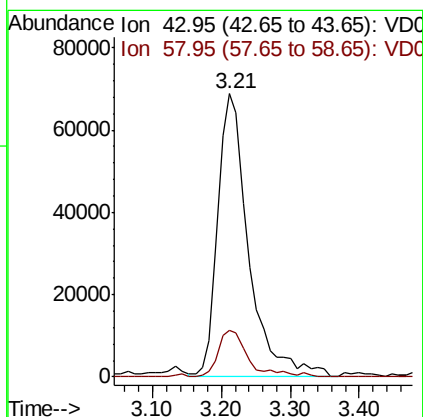
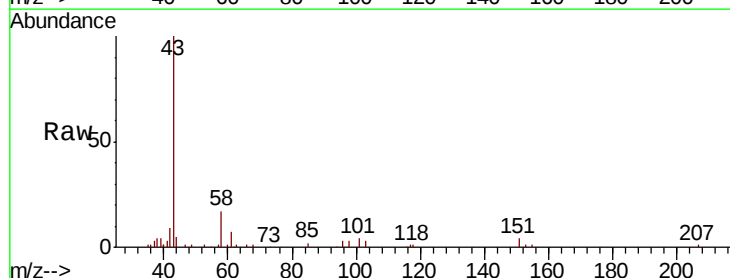
Acq: 1 Aug 2019 11:29

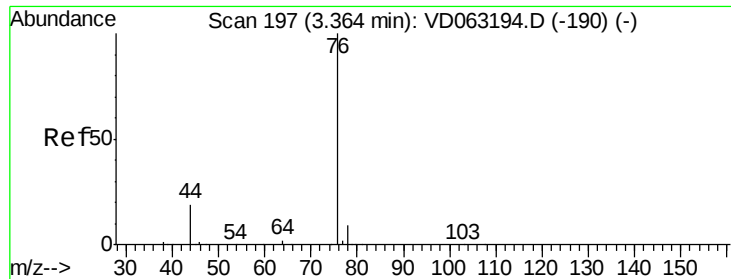
Tgt Ion: 43 Resp: 214185

Ion Ratio Lower Upper

43 100

58 16.5 13.0 19.4

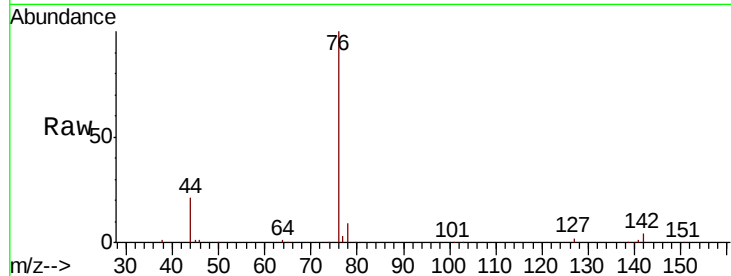




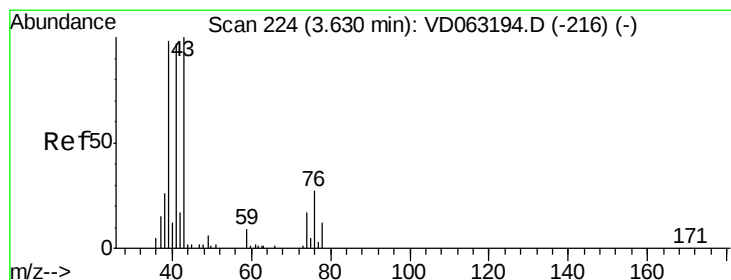
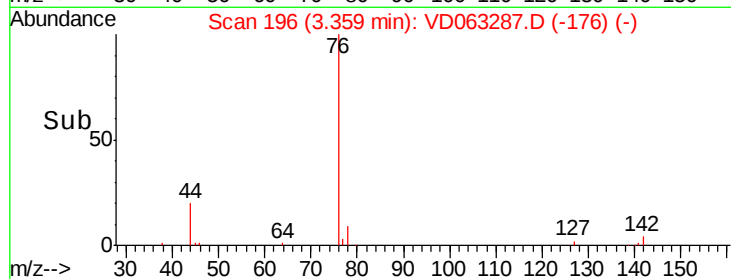
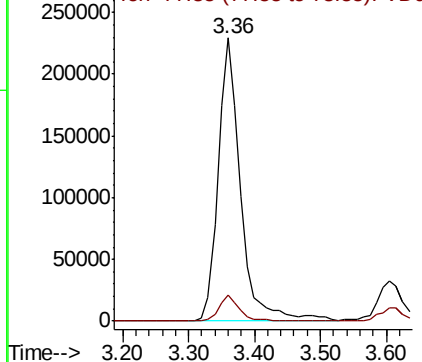
#17
Carbon Disulfide
Concen: 20.578 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0801SBS01

Tot Ion: 76 Resp: 541136
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

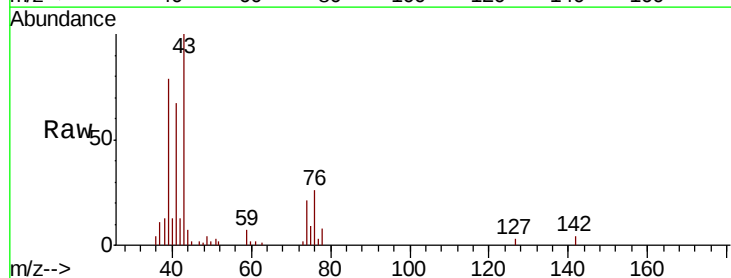


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

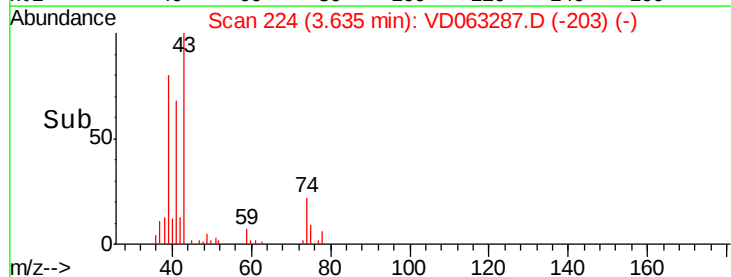
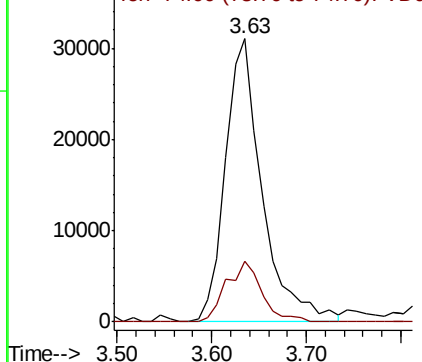


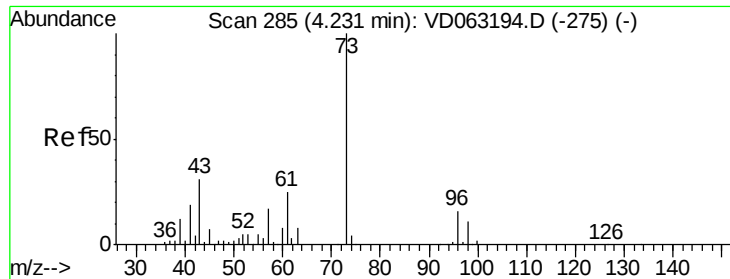
#18
Methyl Acetate
Concen: 19.950 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Tgt Ion: 43 Resp: 83917
Ion Ratio Lower Upper
43 100
74 21.5 13.8 20.8#



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

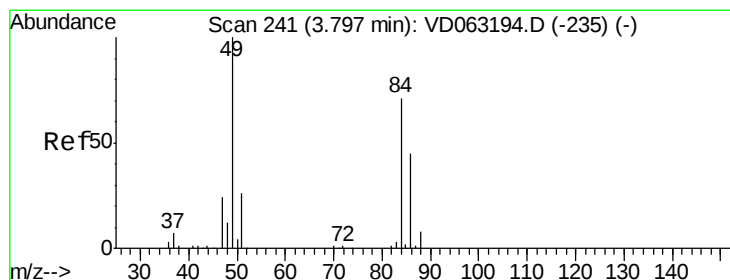
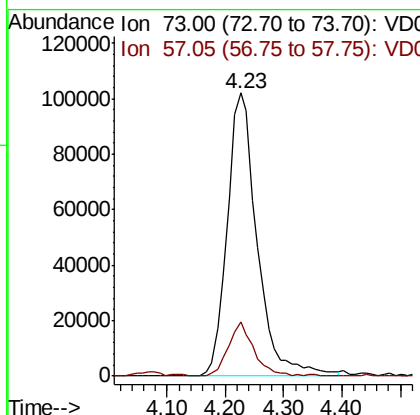
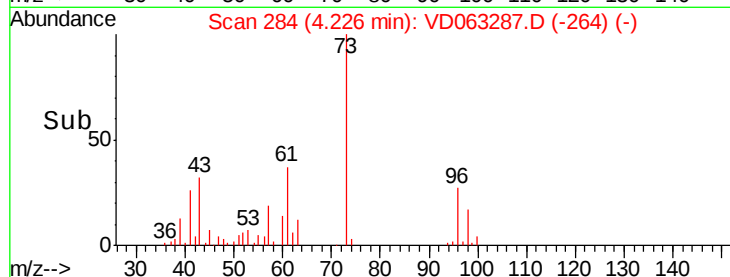
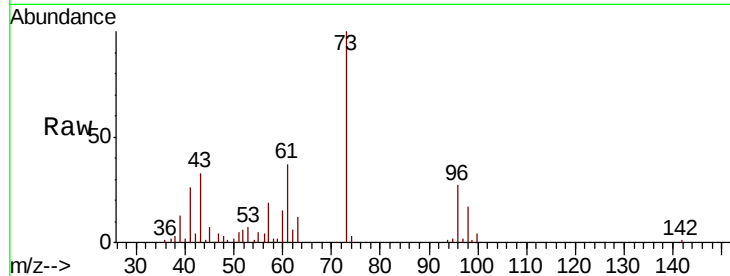




#19
Methvl tert-butvl Ether
Concen: 20.529 ug/l
RT: 4.23 min Scan# 284
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

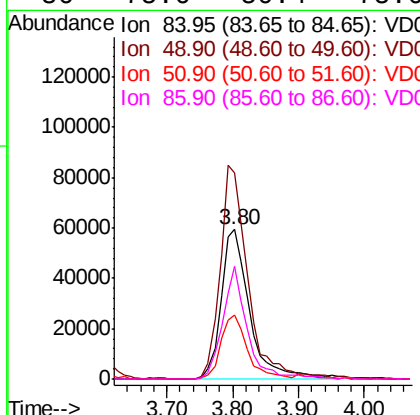
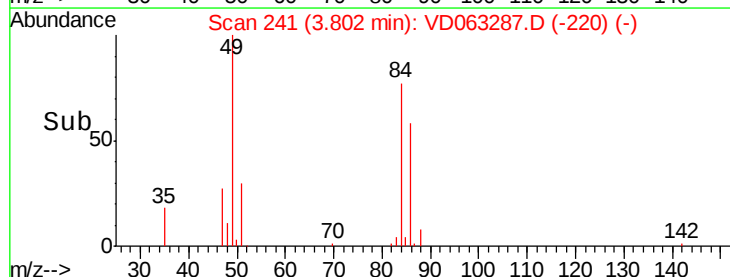
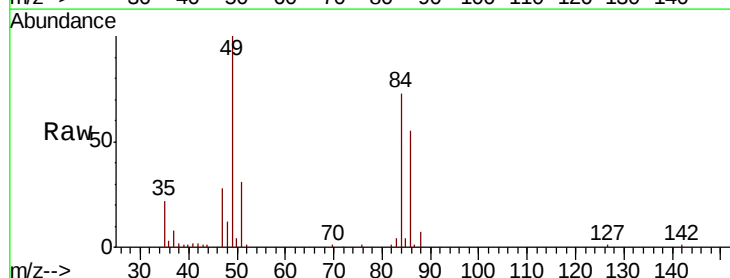
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBS01

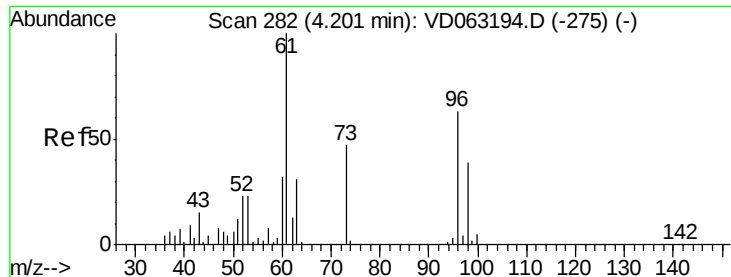
Tot Ion: 73 Resp: 364321
Ion Ratio Lower Upper
73 100
57 19.1 13.8 20.6



#20
Methylene Chloride
Concen: 20.310 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Tgt Ion: 84 Resp: 179779
Ion Ratio Lower Upper
84 100
49 137.9 112.5 168.7
51 42.6 29.6 44.4
86 75.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 21.797 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBS01

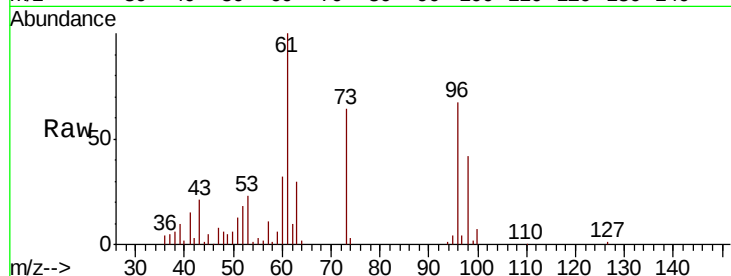
Tot Ion: 96 Resp: 192148

Ion Ratio Lower Upper

96 100

61 148.6 127.4 191.2

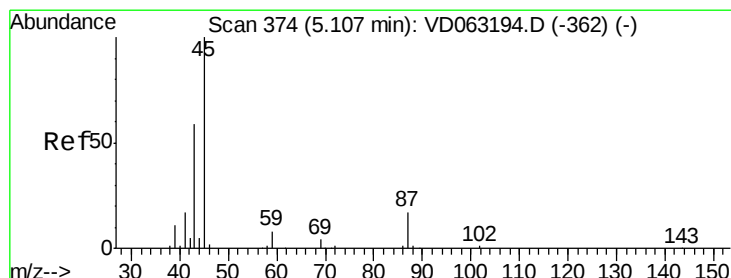
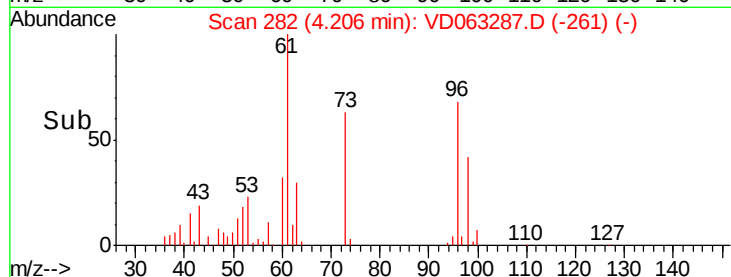
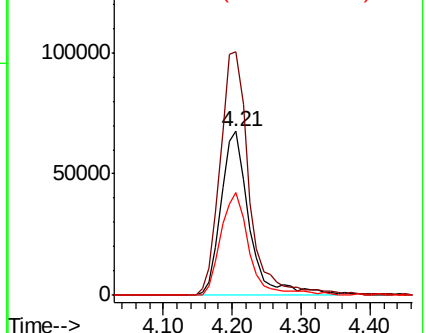
98 62.9 49.3 73.9



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: 19.927 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Tgt Ion: 45 Resp: 498278

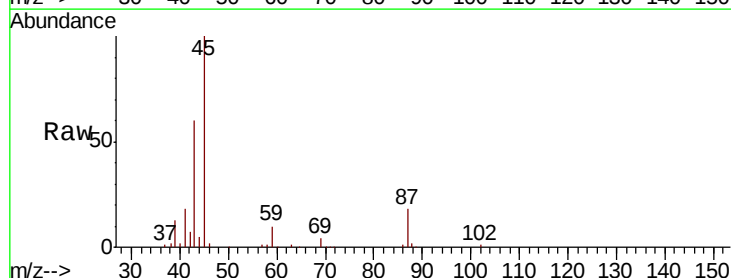
Ion Ratio Lower Upper

45 100

43 60.5 51.7 77.5

87 18.5 14.6 21.8

59 9.6 6.6 10.0

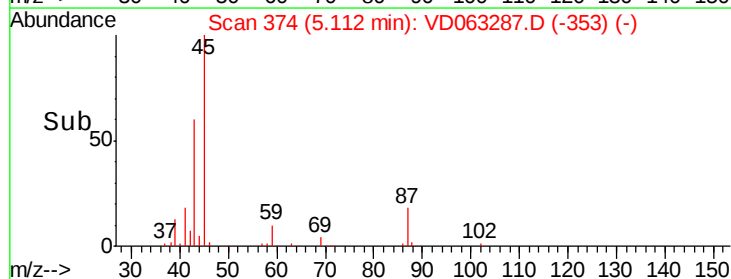
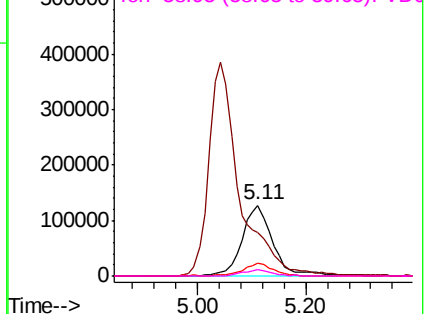


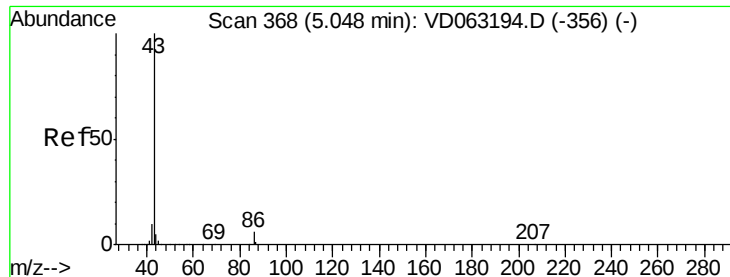
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 97.504 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

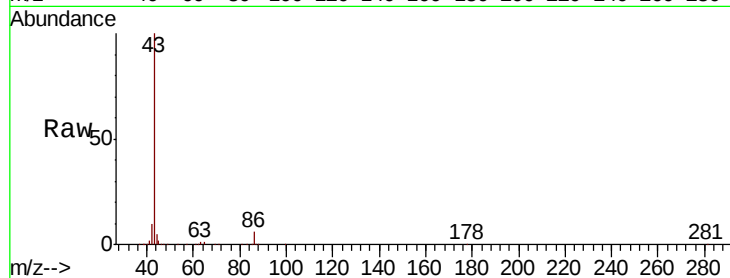
VD0801SBS01

Tot Ion: 43 Resp: 1498721

Ion Ratio Lower Upper

43 100

86 6.5 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

400000

300000

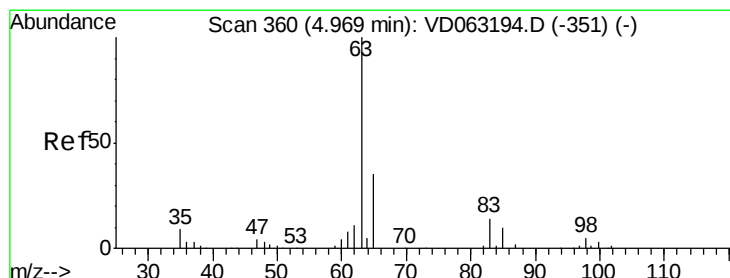
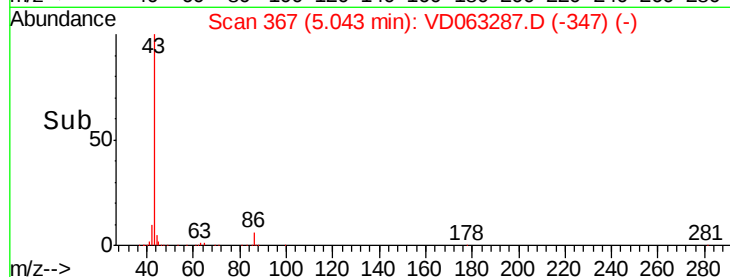
200000

100000

0

4.90 5.00 5.10 5.20

Time-->



#24

1,1-Dichloroethane

Concen: 21.603 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

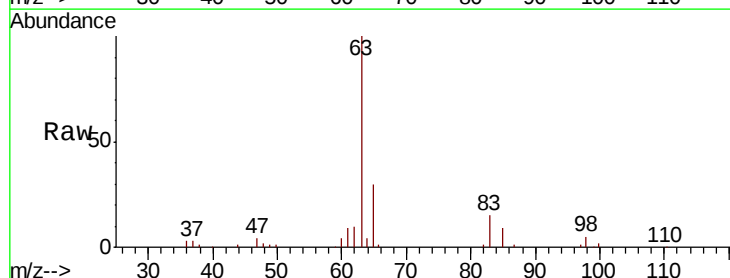
Tgt Ion: 63 Resp: 345052

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.4

100 1.9 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

120000

100000

80000

60000

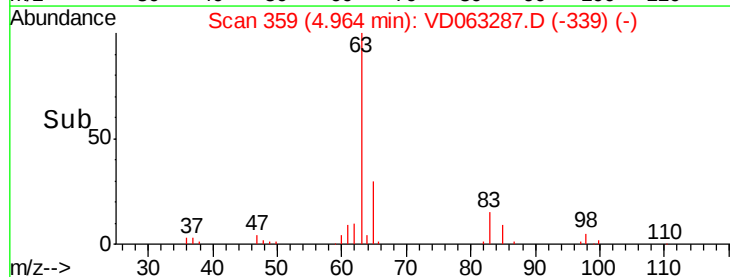
40000

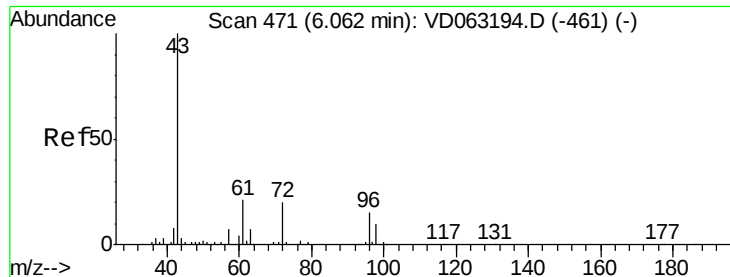
20000

0

4.80 4.90 5.00 5.10 5.20

Time-->





#25

2-Butanone

Concen: 92.969 ug/l

RT: 6.07 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

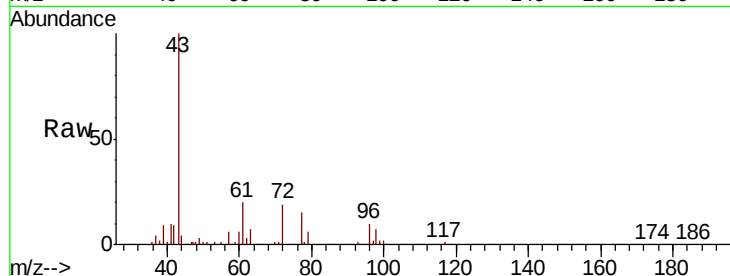
VD0801SBS01

Tot Ion: 43 Resp: 204320

Ion Ratio Lower Upper

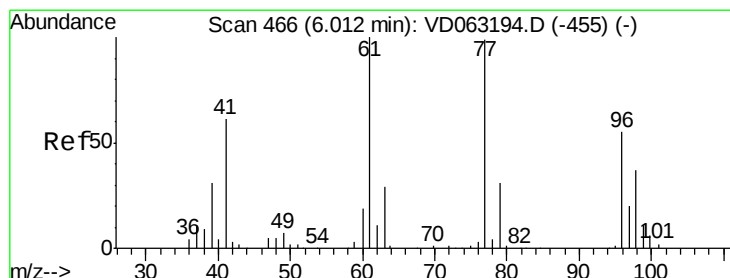
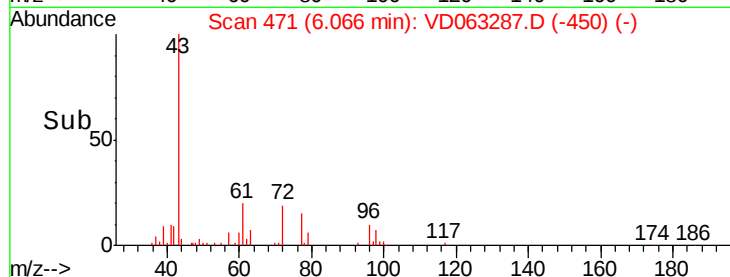
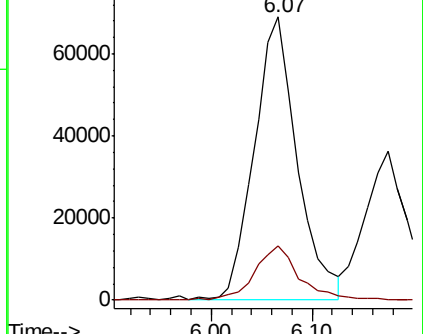
43 100

72 19.3 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: 21.504 ug/l

RT: 6.02 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063287.D

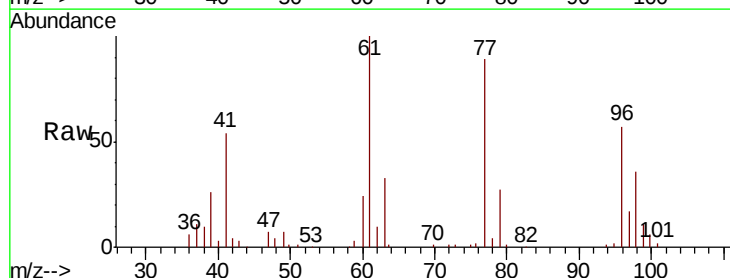
Acq: 1 Aug 2019 11:29

Tgt Ion: 77 Resp: 353957

Ion Ratio Lower Upper

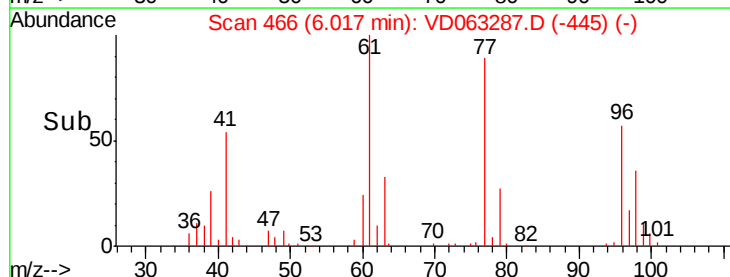
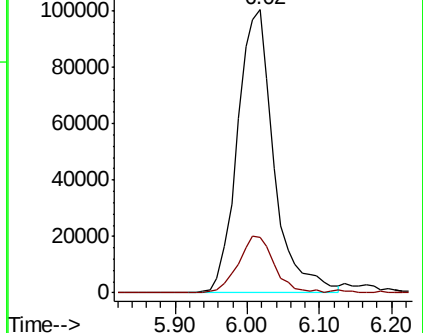
77 100

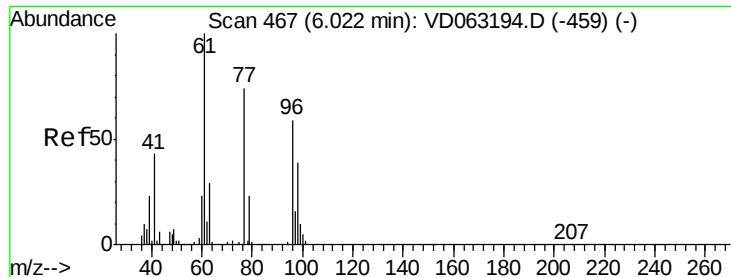
97 19.5 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



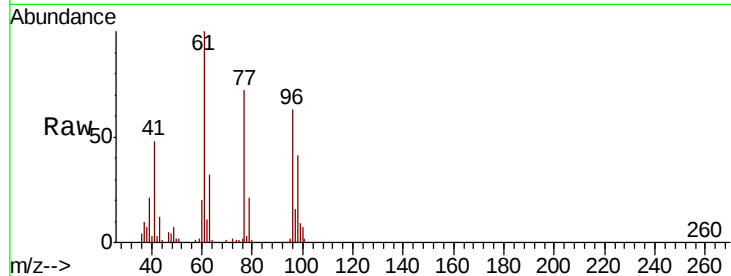


#27

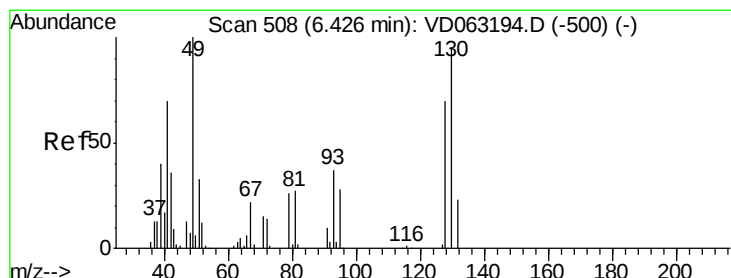
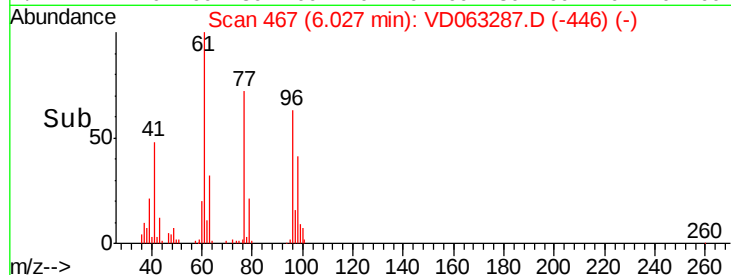
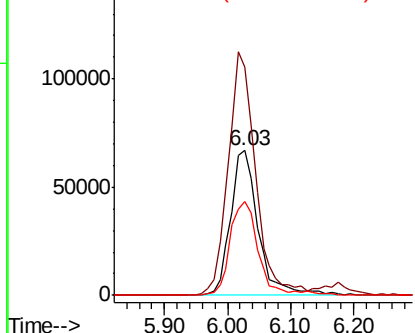
cis-1,2-Dichloroethene
Concen: 21.420 ug/l
RT: 6.03 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0801SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.9	0.0	337.2
98	64.5	0.0	130.6



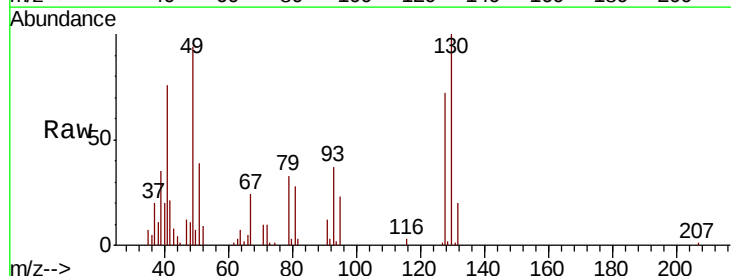
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



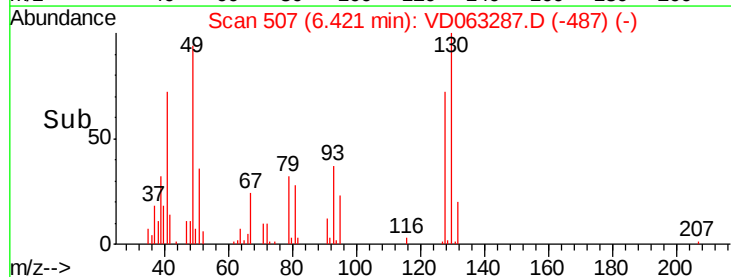
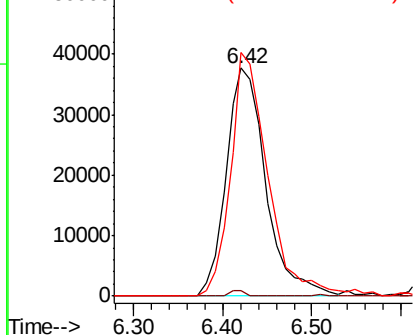
#28

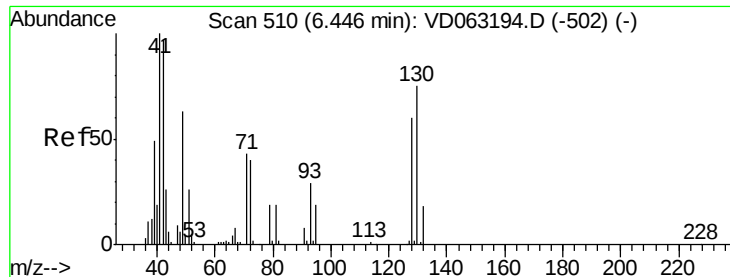
Bromochloromethane
Concen: 18.397 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	0.0#
130	106.8	75.7	113.5



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

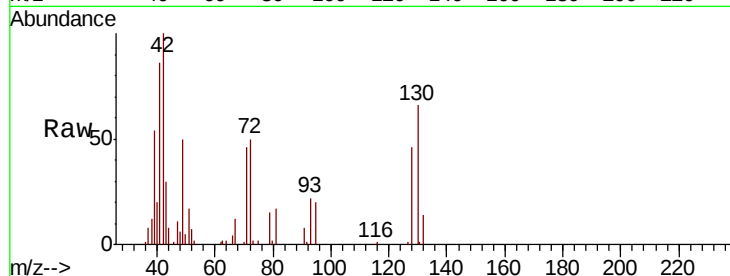




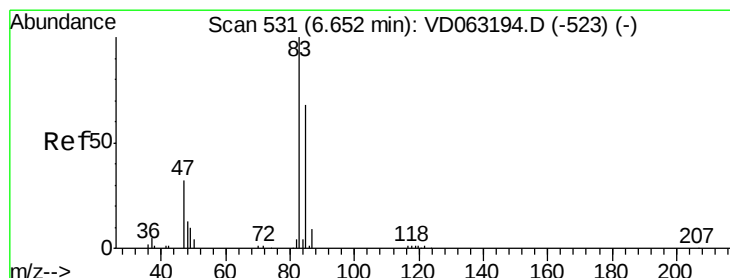
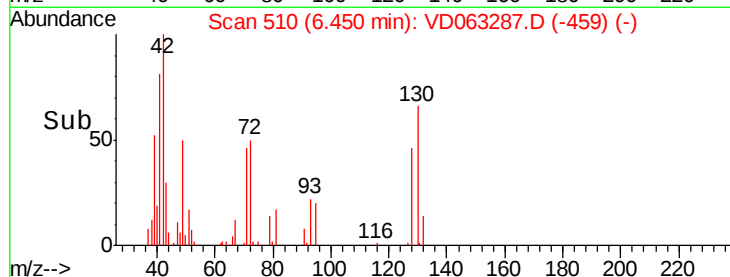
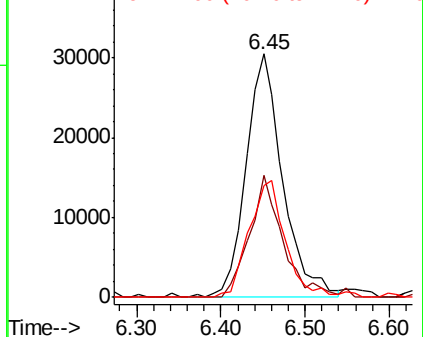
#29
Tetrahydrofuran
Concen: 89.336 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0801SBS01

Tot Ion: 42 Resp: 92954
Ion Ratio Lower Upper
42 100
72 46.3 33.4 50.2
71 47.7 35.7 53.5

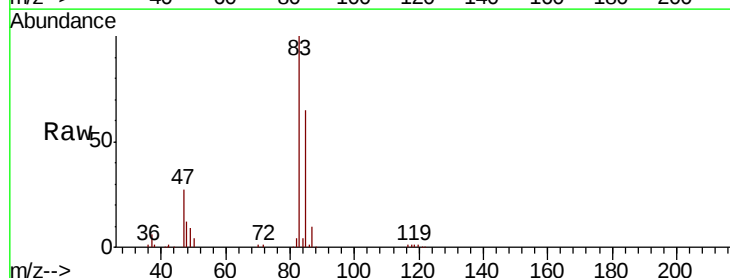


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

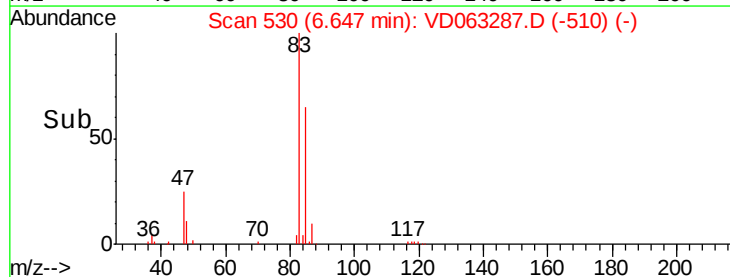
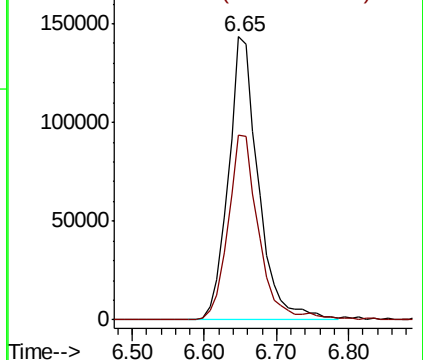


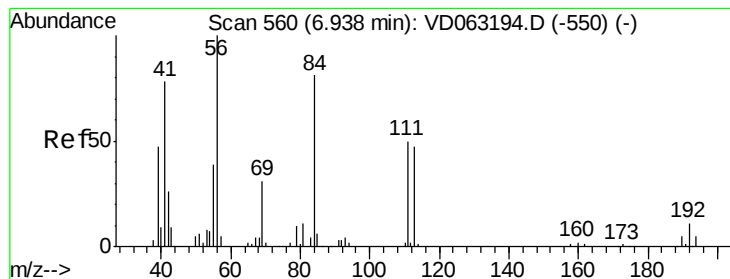
#30
Chloroform
Concen: 20.935 ug/l
RT: 6.65 min Scan# 530
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Tgt Ion: 83 Resp: 414963
Ion Ratio Lower Upper
83 100
85 65.1 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: 20.407 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBS01

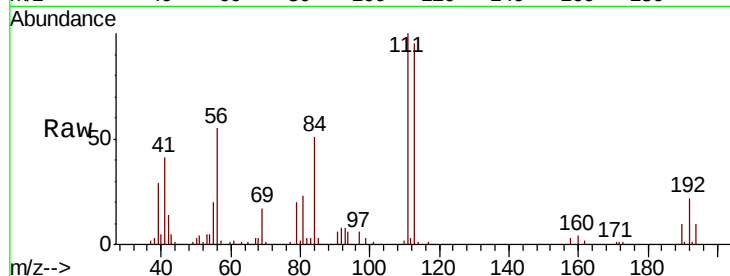
Tot Ion: 56 Resp: 204301

Ion Ratio Lower Upper

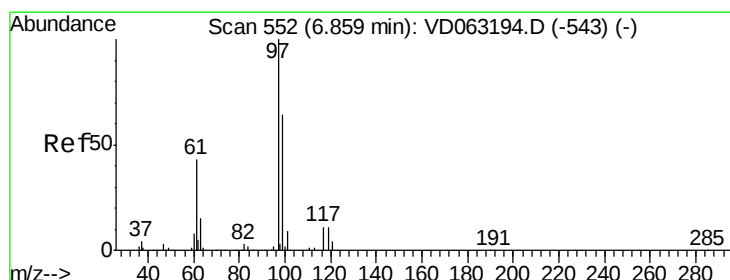
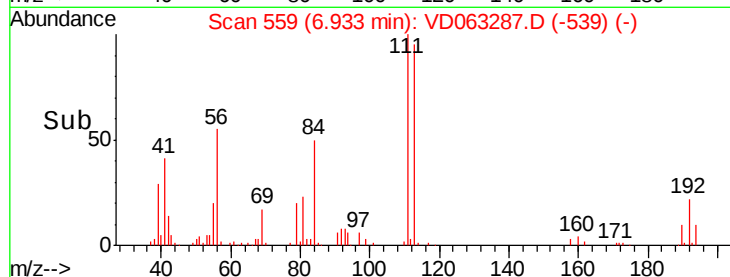
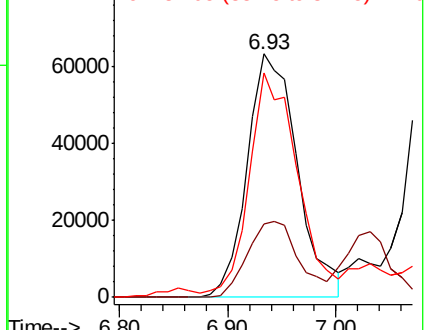
56 100

69 30.3 24.5 36.7

84 92.0 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: 20.662 ug/l

RT: 6.85 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

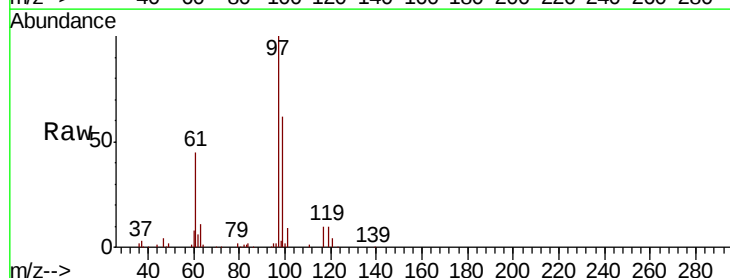
Tgt Ion: 97 Resp: 396158

Ion Ratio Lower Upper

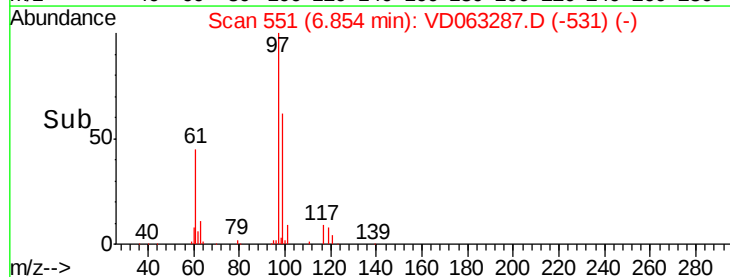
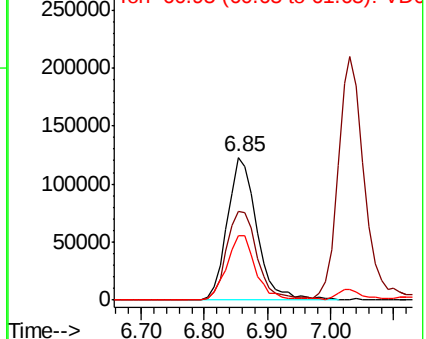
97 100

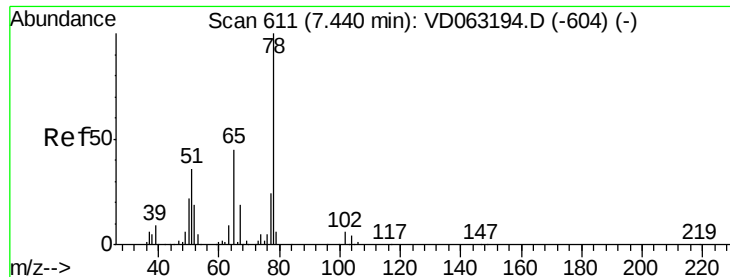
99 62.3 51.2 76.8

61 45.5 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: 48.324 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

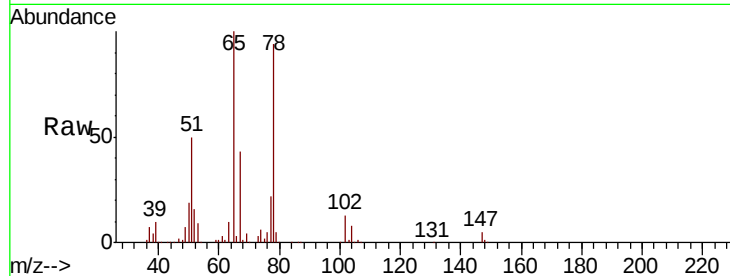
VD0801SBS01

Tot Ion: 65 Resp: 543125

Ion Ratio Lower Upper

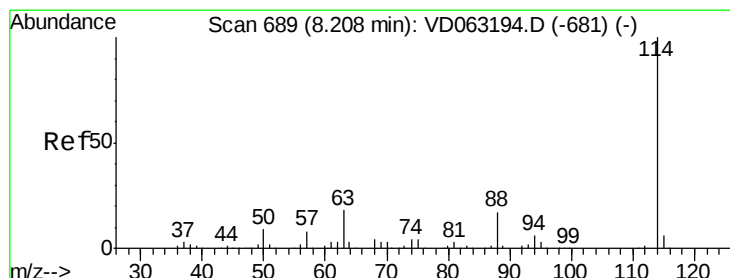
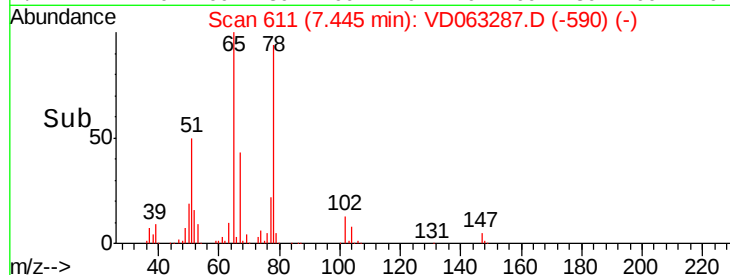
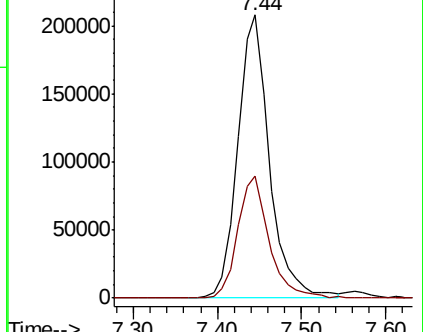
65 100

67 43.3 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

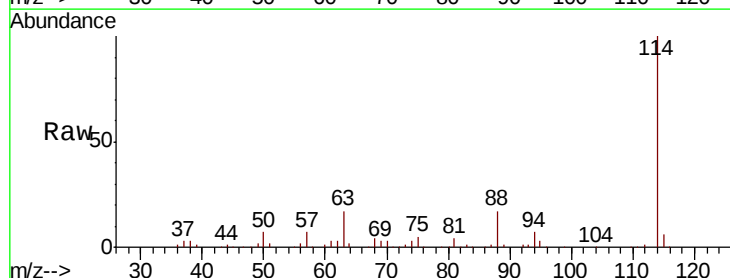
Tgt Ion: 114 Resp: 1359692

Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.2

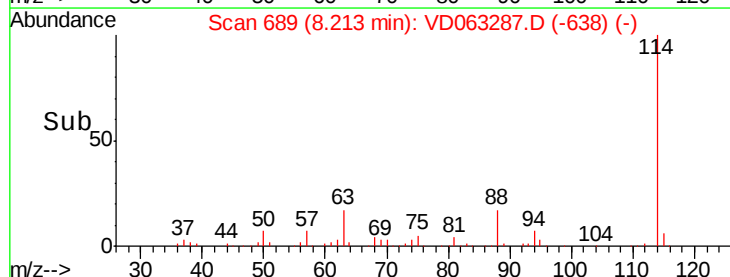
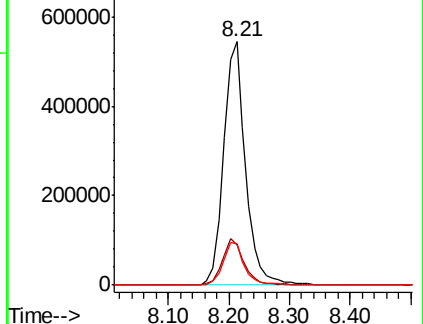
88 16.9 0.0 34.6

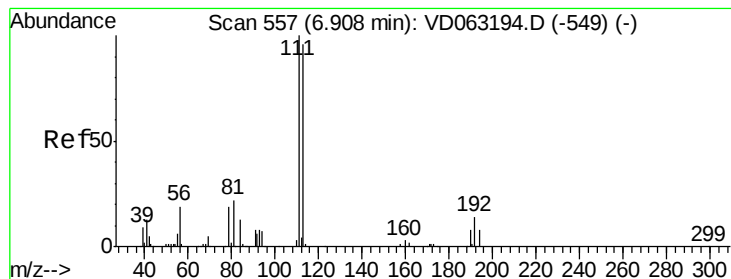


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 52.081 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBS01

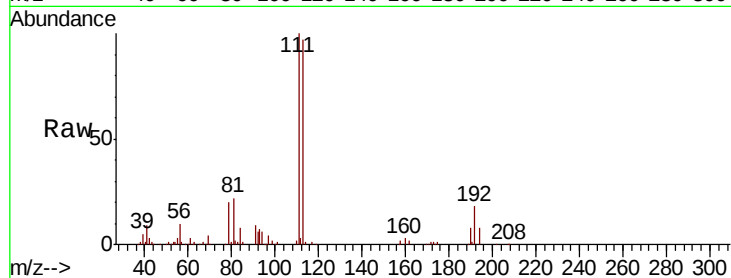
Tot Ion:113 Resp: 604607

Ion Ratio Lower Upper

113 100

111 102.7 83.2 124.8

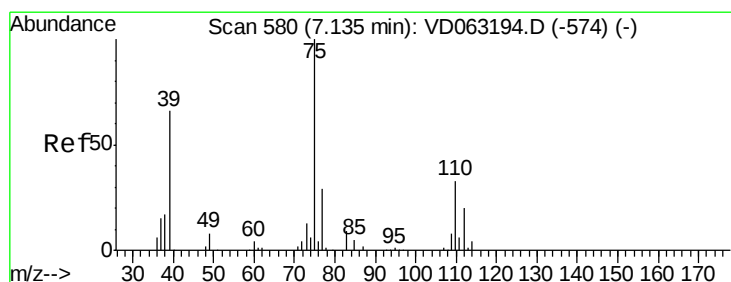
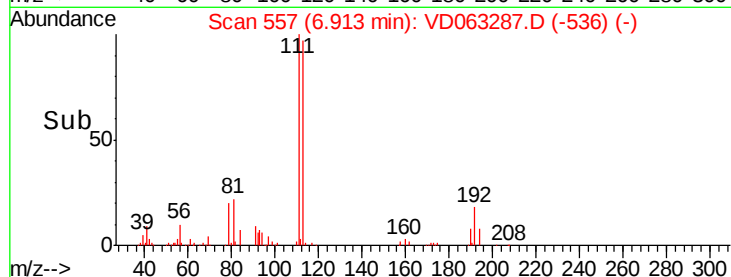
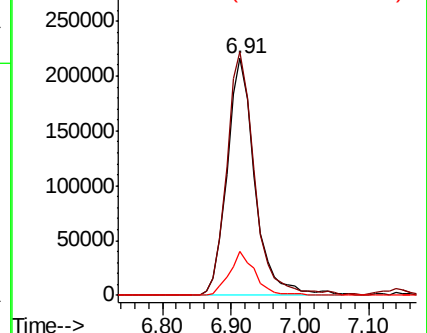
192 18.6 11.8 17.8#



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: 22.240 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

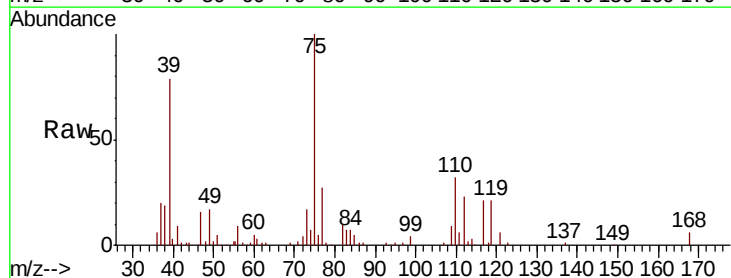
Tgt Ion: 75 Resp: 275974

Ion Ratio Lower Upper

75 100

110 32.3 16.1 48.2

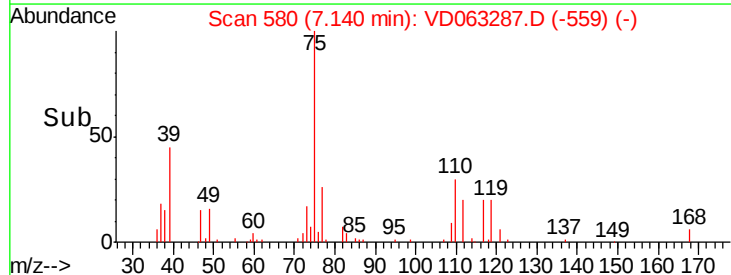
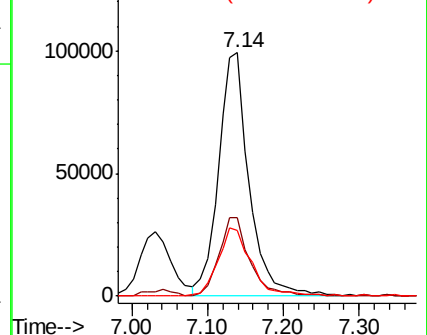
77 27.0 22.7 34.1

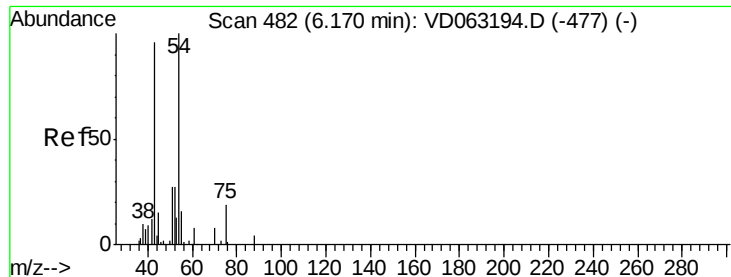


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

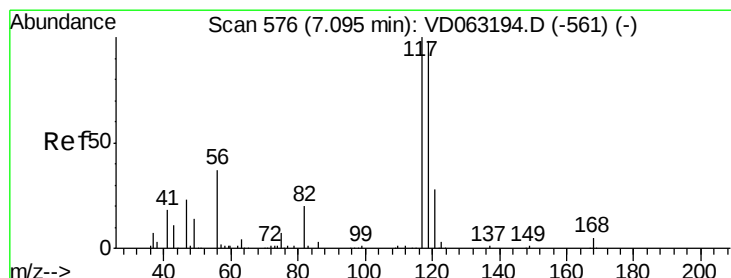
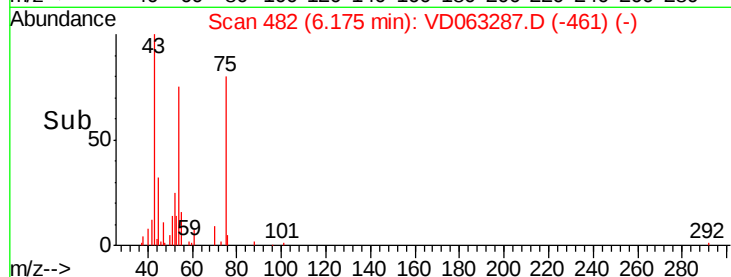
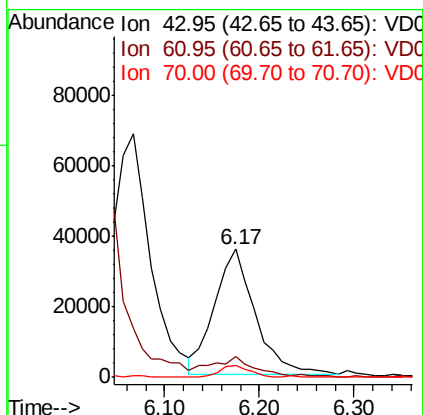
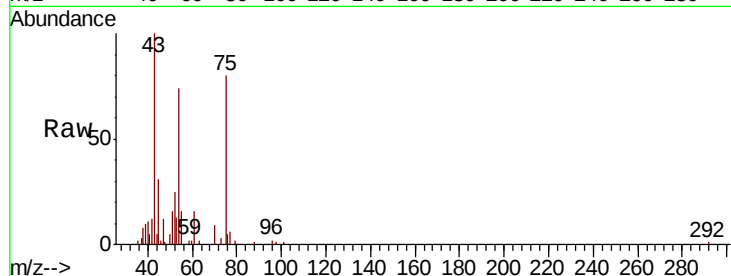




#37
Ethyl Acetate
Concen: 19.053 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

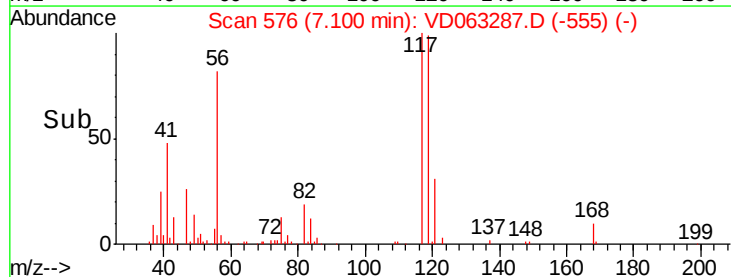
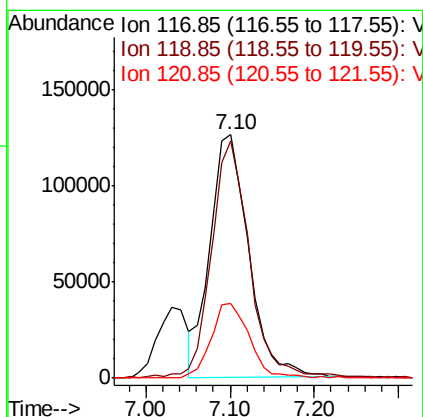
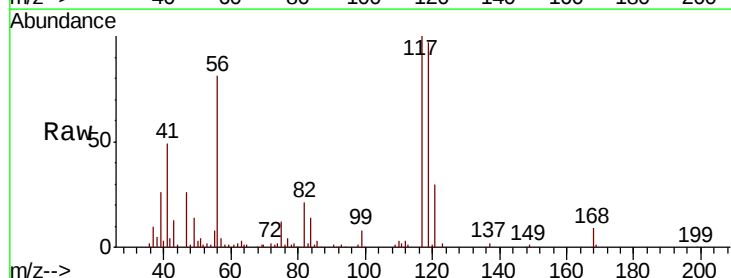
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBS01

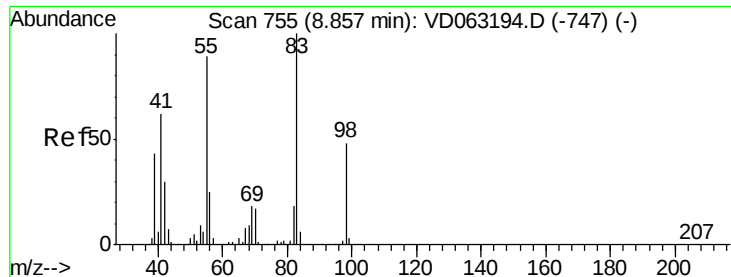
Tot Ion: 43 Resp: 106216
Ion Ratio Lower Upper
43 100
61 16.4 11.3 16.9
70 8.9 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 21.590 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Tgt Ion: 117 Resp: 403319
Ion Ratio Lower Upper
117 100
119 97.2 78.2 117.2
121 30.5 22.1 33.1

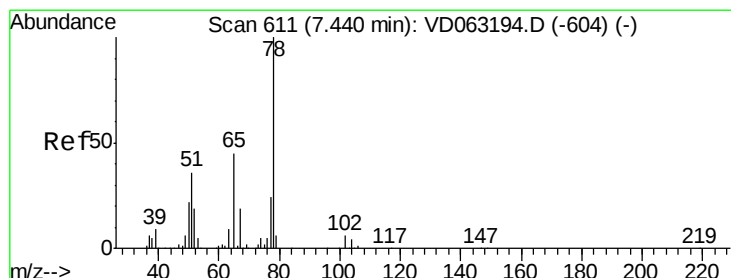
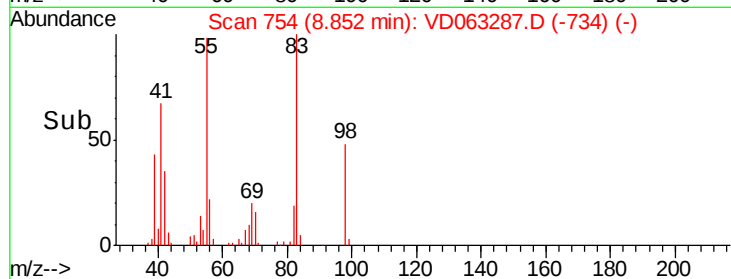
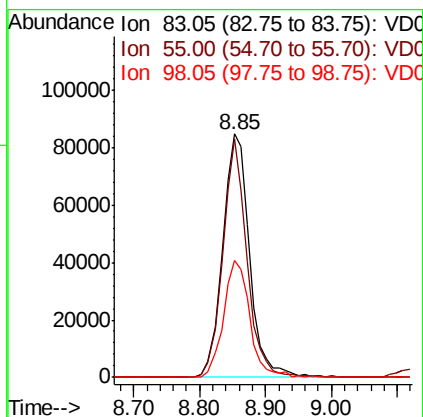
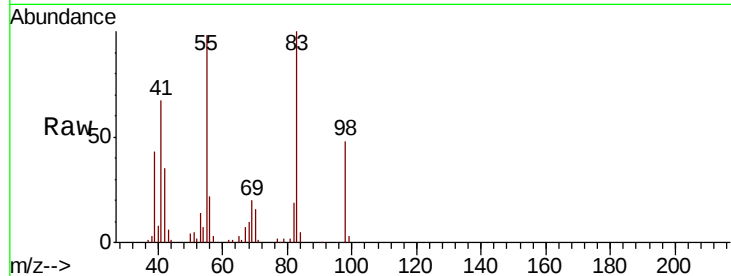




#39
Methvlcvclohexane
Concen: 23.289 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

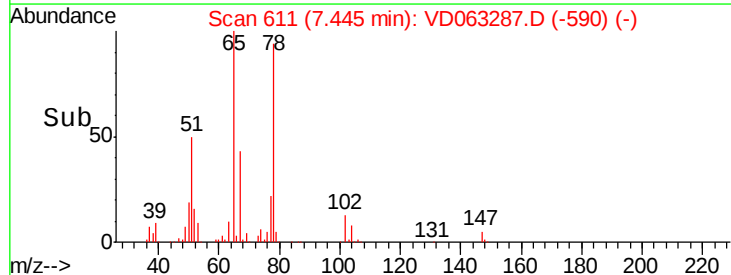
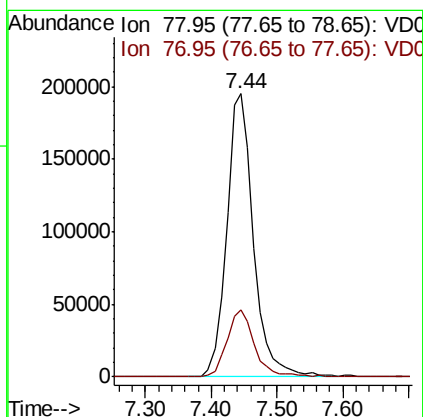
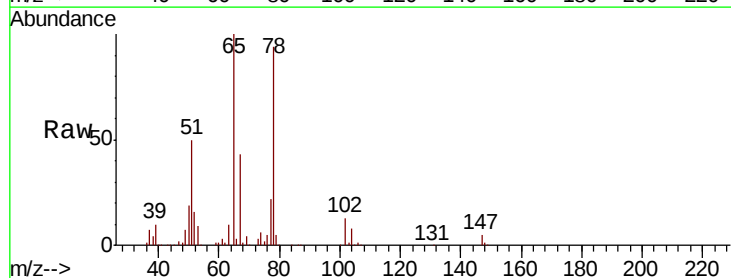
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBS01

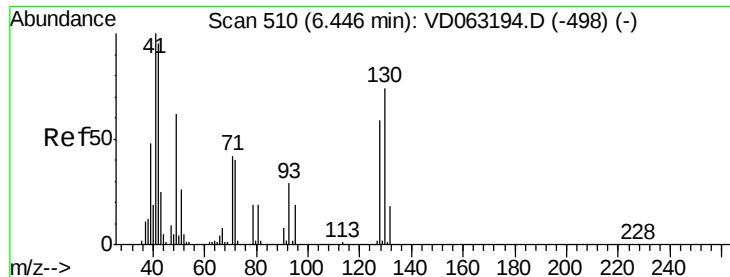
Tot Ion: 83 Resp: 240779
Ion Ratio Lower Upper
83 100
55 97.9 71.1 106.7
98 47.9 38.5 57.7



#40
Benzene
Concen: 21.234 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Tgt Ion: 78 Resp: 552230
Ion Ratio Lower Upper
78 100
77 23.5 19.4 29.2

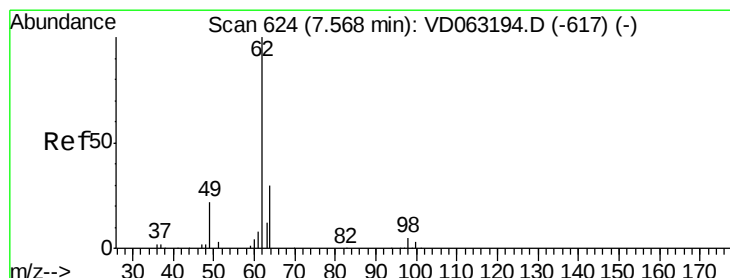
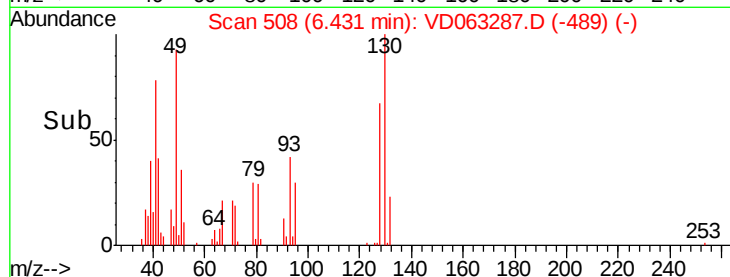
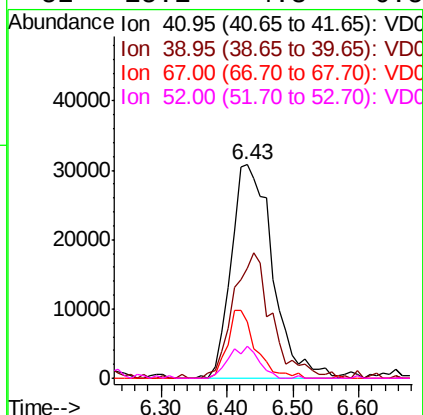
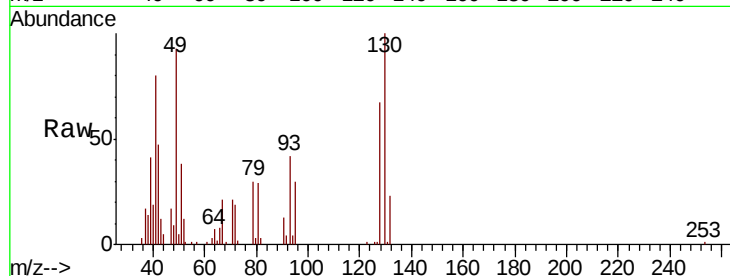




#41
Methacrylonitrile
Concen: 20.285 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

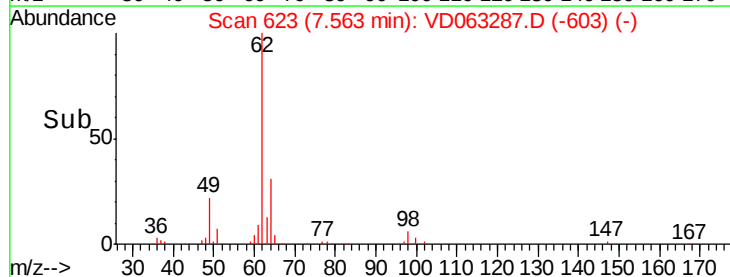
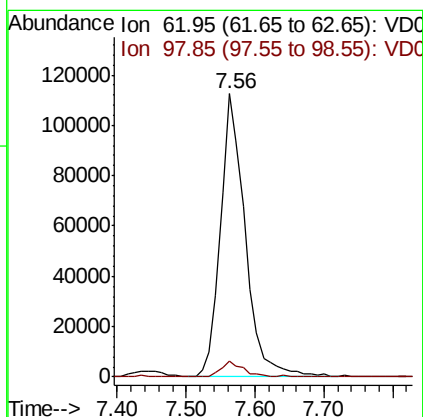
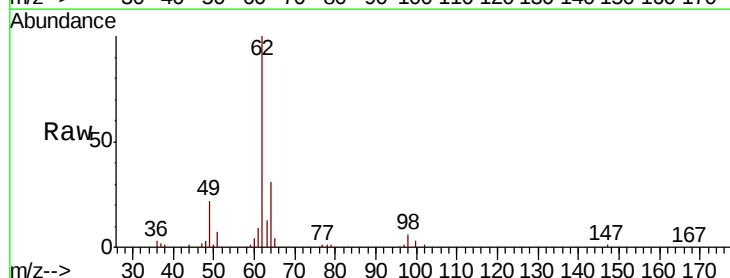
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBS01

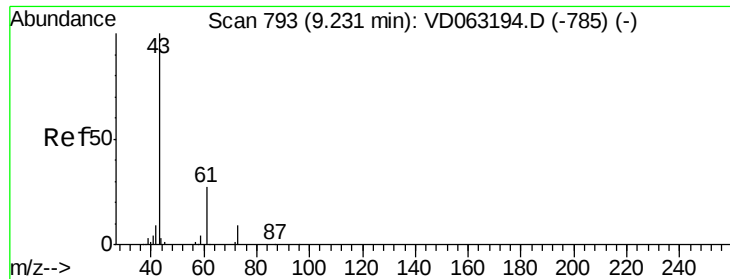
Tot Ion: 41 Resp: 135274
Ion Ratio Lower Upper
41 100
39 51.6 38.4 57.6
67 26.2 6.7 10.1#
52 15.1 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 20.316 ug/l
RT: 7.56 min Scan# 623
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Tgt Ion: 62 Resp: 280015
Ion Ratio Lower Upper
62 100
98 5.5 0.0 9.8



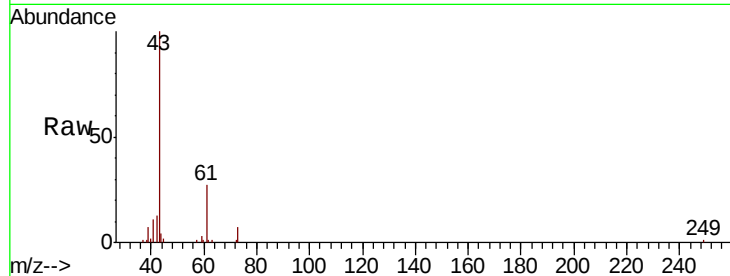


#43

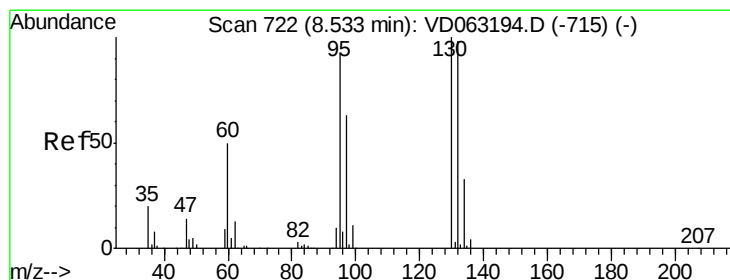
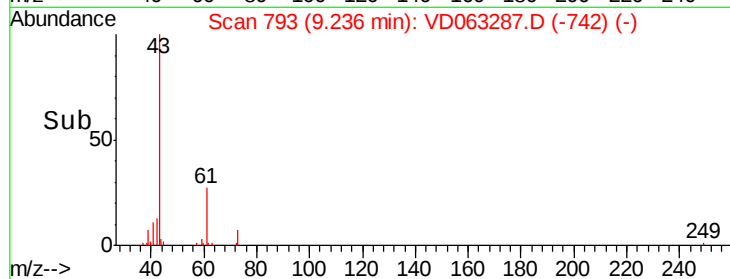
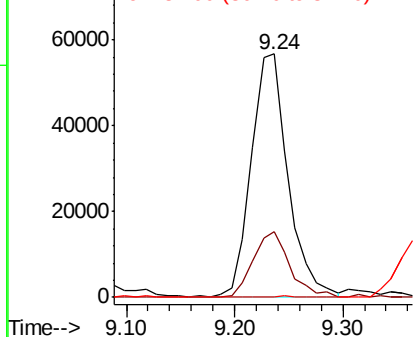
Isopropyl Acetate
 Concen: 19.018 ug/l
 RT: 9.24 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD063287.D
 Acq: 1 Aug 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0801SBS01

Tot Ion: 43 Resp: 135432
 Ion Ratio Lower Upper
 43 100
 61 27.1 21.4 32.0
 87 0.0 0.2 0.4#



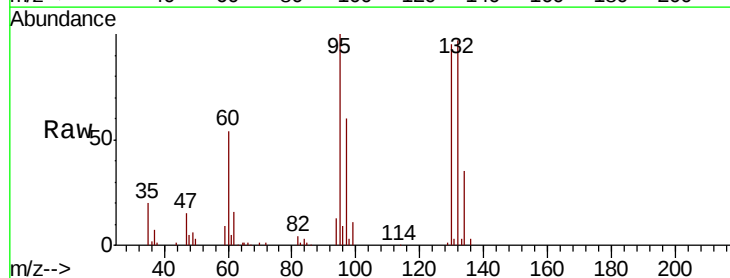
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



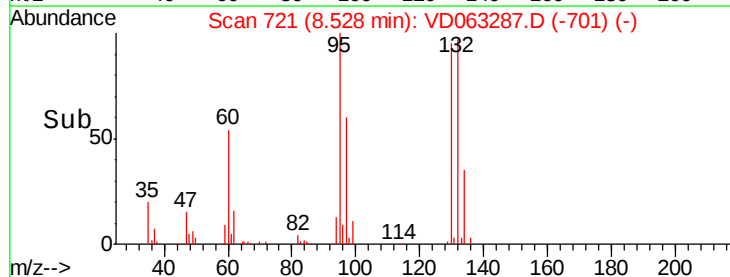
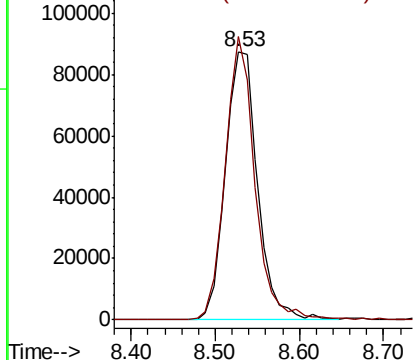
#44

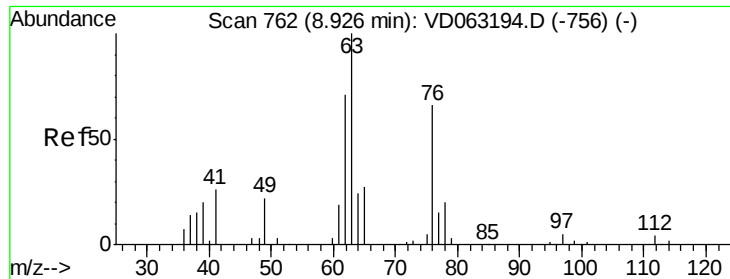
Trichloroethene
 Concen: 22.051 ug/l
 RT: 8.53 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: VD063287.D
 Acq: 1 Aug 2019 11:29

Tgt Ion: 130 Resp: 232376
 Ion Ratio Lower Upper
 130 100
 95 105.6 0.0 185.4



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





#45

1,2-Dichloropropane

Concen: 20.376 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

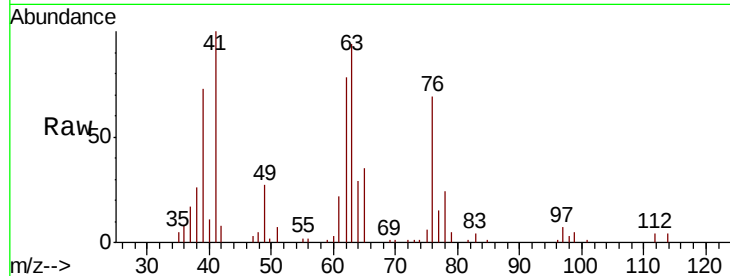
VD0801SBS01

Tot Ion: 63 Resp: 134690

Ion Ratio Lower Upper

63 100

65 36.9 23.6 35.4#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

60000

50000

40000

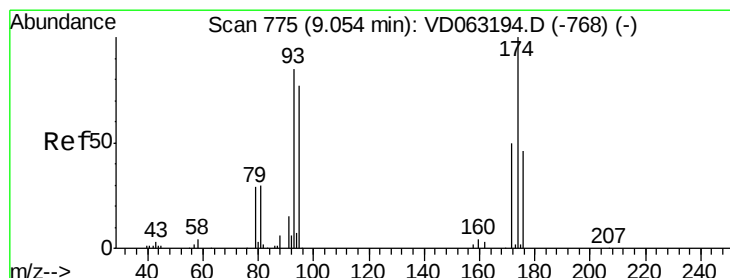
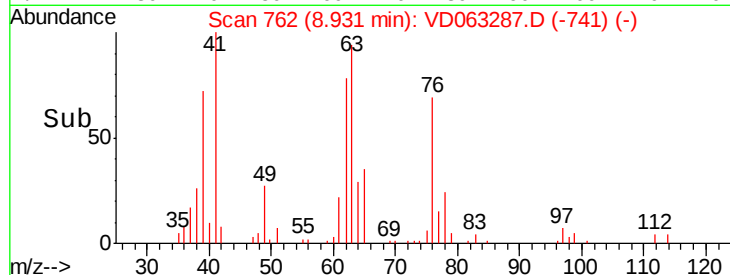
30000

20000

10000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 22.315 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

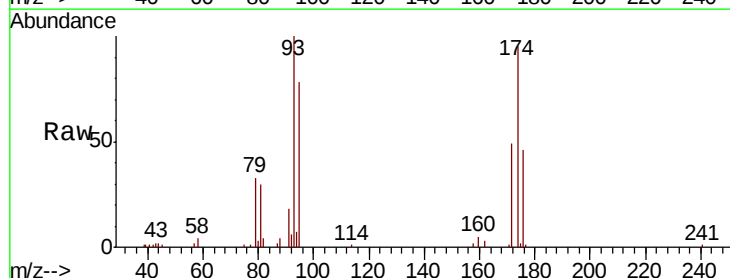
Tgt Ion: 93 Resp: 122648

Ion Ratio Lower Upper

93 100

95 77.8 72.8 109.2

174 94.8 94.4 141.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

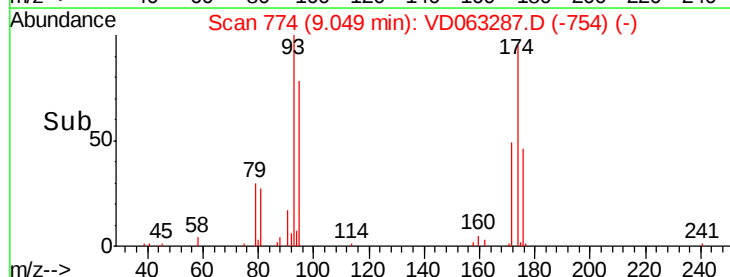
60000

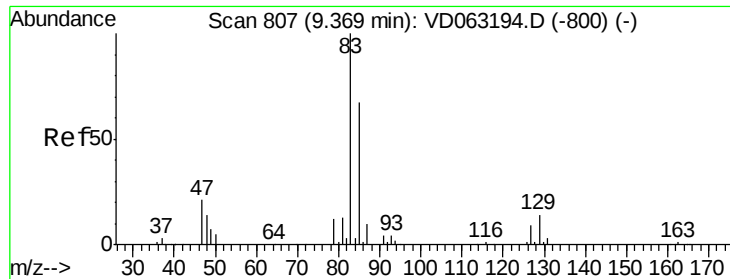
40000

20000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 21.564 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBS01

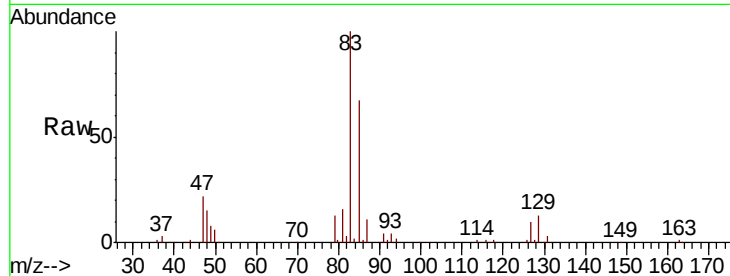
Tot Ion: 83 Resp: 302126

Ion Ratio Lower Upper

83 100

85 66.8 53.6 80.4

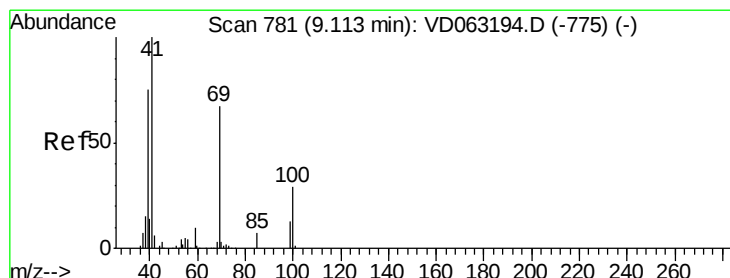
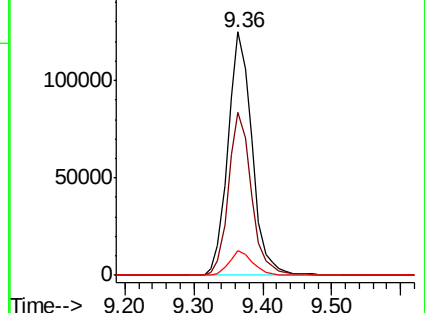
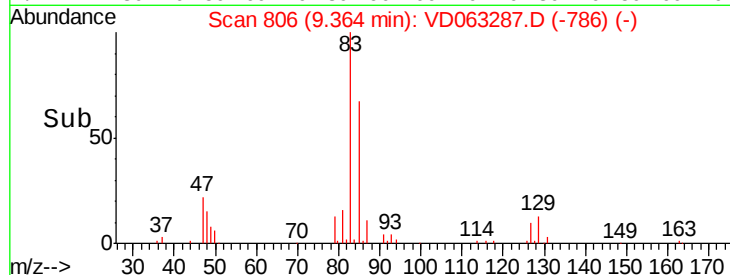
127 10.3 7.2 10.8



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: 21.585 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

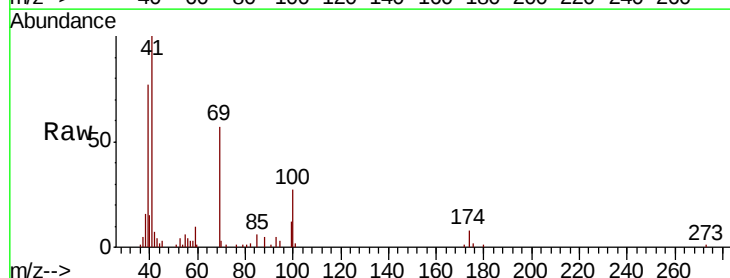
Tgt Ion: 41 Resp: 99691

Ion Ratio Lower Upper

41 100

69 57.3 53.4 80.0

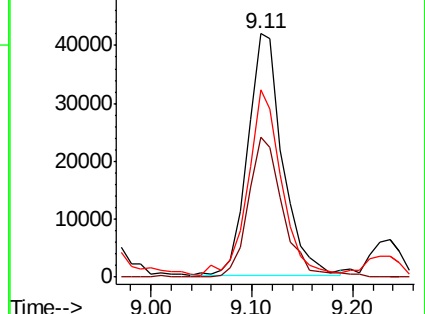
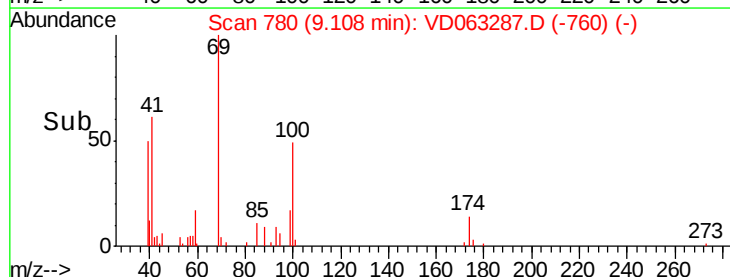
39 76.9 60.3 90.5

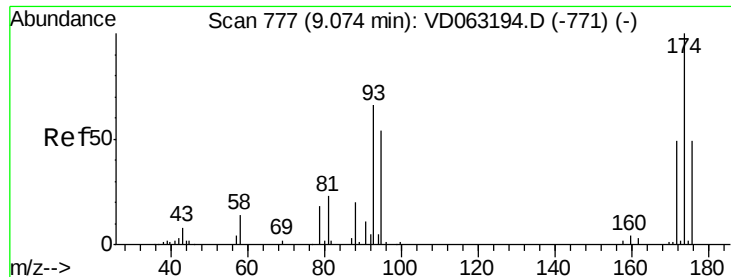


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

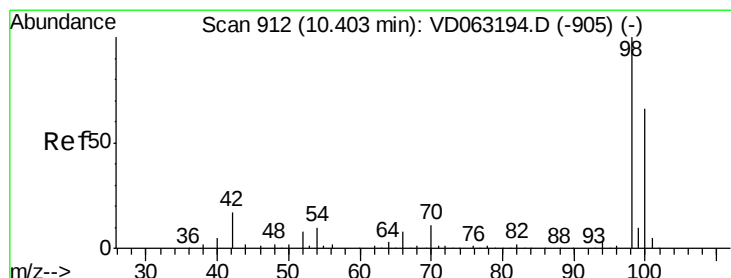
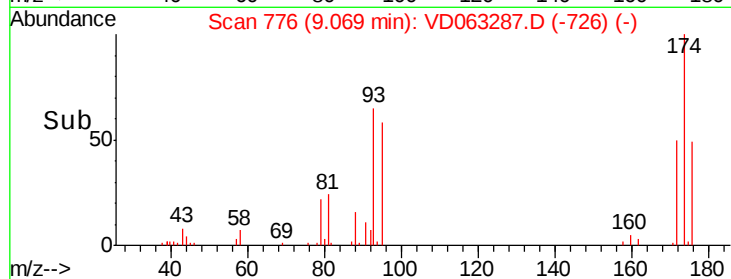
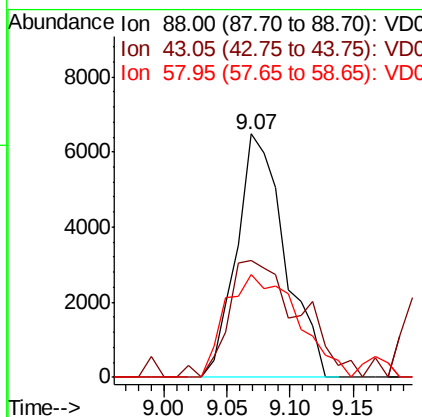
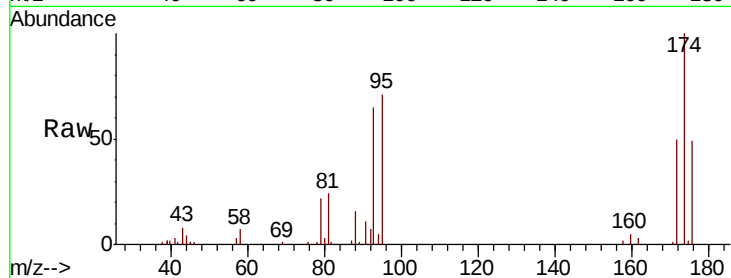




#49
 1,4-Dioxane
 Concen: 438.230 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VD063287.D
 Acq: 1 Aug 2019 11:29

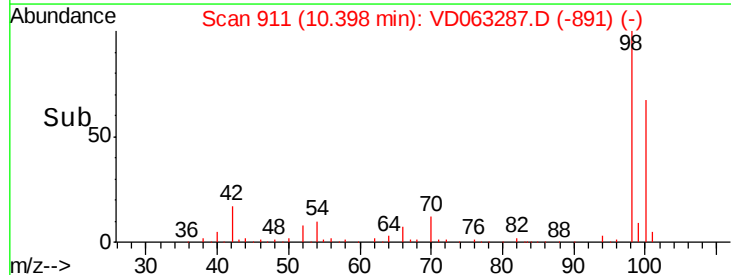
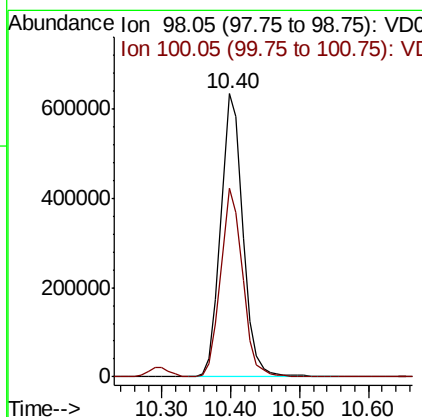
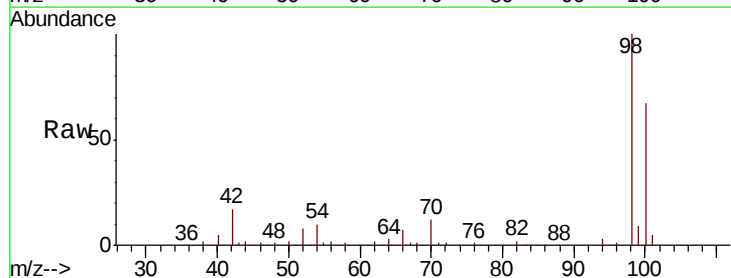
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0801SBS01

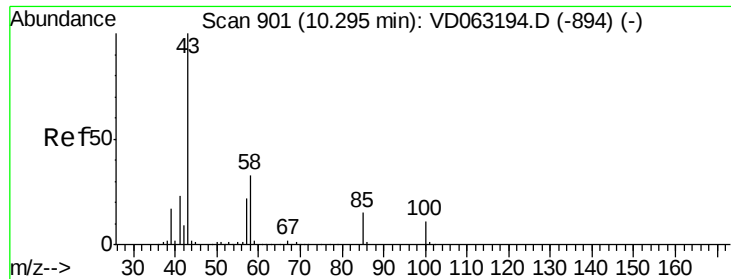
Tot Ion: 88 Resp: 17236
 Ion Ratio Lower Upper
 88 100
 43 48.1 30.7 46.1#
 58 42.1 56.5 84.7#



#50
 Toluene-d8
 Concen: 54.619 ug/l
 RT: 10.40 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: VD063287.D
 Acq: 1 Aug 2019 11:29

Tgt Ion: 98 Resp: 1419031
 Ion Ratio Lower Upper
 98 100
 100 66.6 53.2 79.8

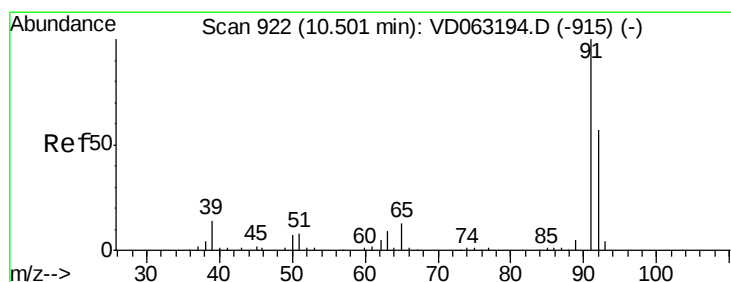
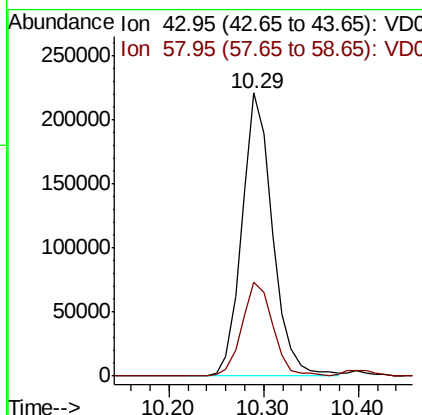
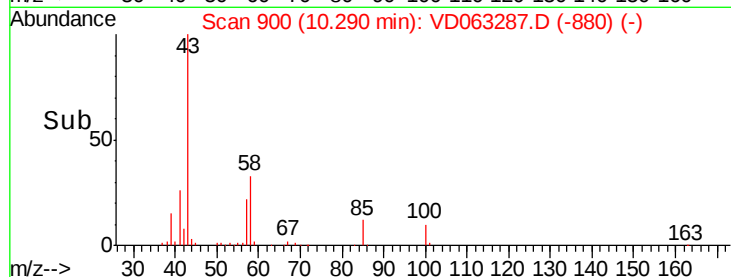
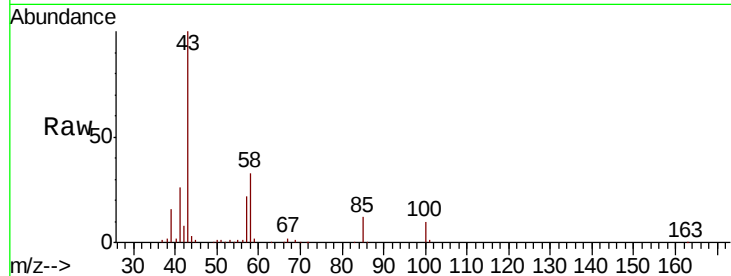




#51
4-Methyl-2-Pentanone
Concen: 102.119 ug/l
RT: 10.29 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

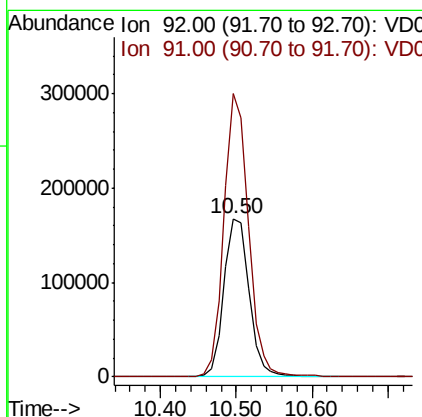
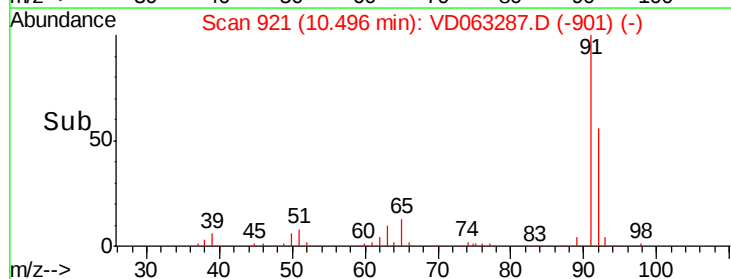
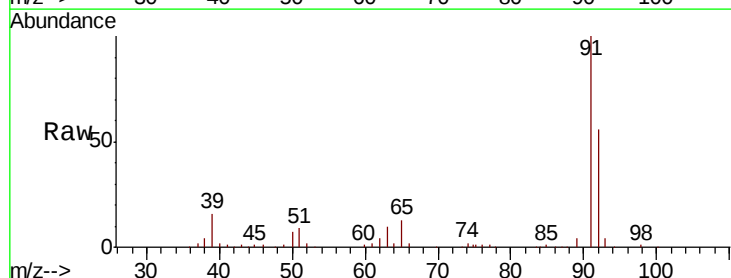
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBS01

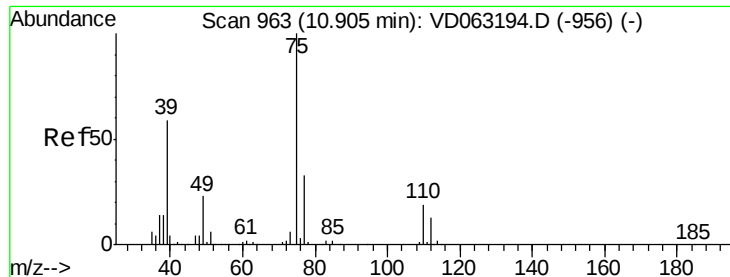
Tot Ion: 43 Resp: 494569
Ion Ratio Lower Upper
43 100
58 33.0 26.2 39.2



#52
Toluene
Concen: 22.436 ug/l
RT: 10.50 min Scan# 921
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Tgt Ion: 92 Resp: 388084
Ion Ratio Lower Upper
92 100
91 179.0 140.8 211.2

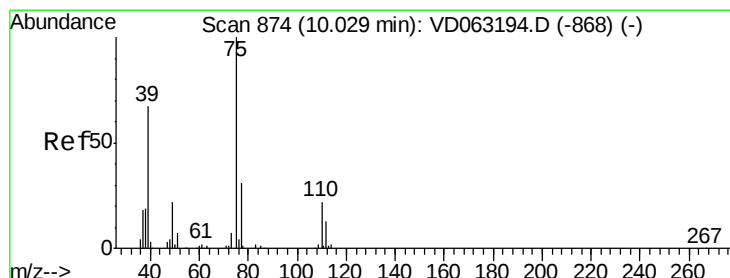
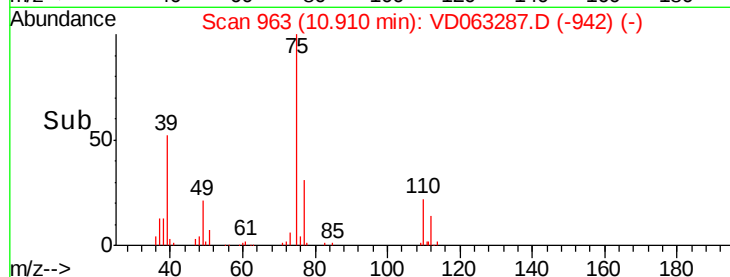
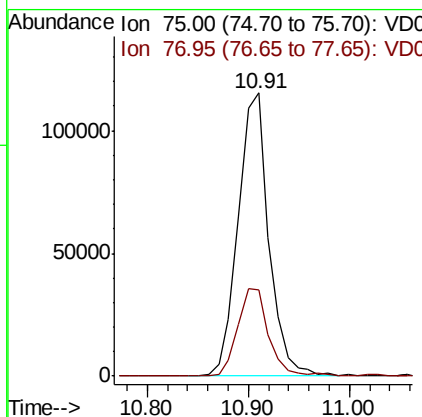
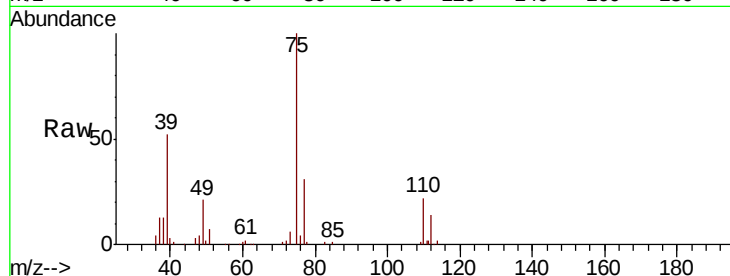




#53
t-1,3-Dichloropropene
Concen: 20.260 ug/l
RT: 10.91 min Scan# 963
Delta R.T. 0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

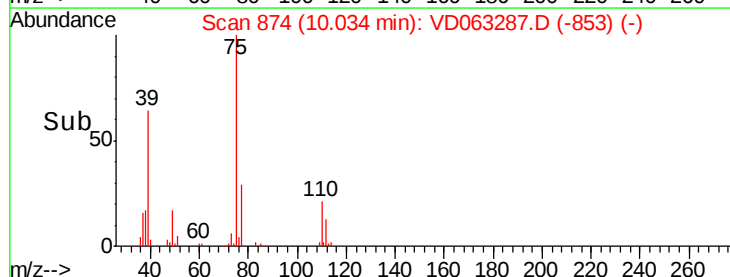
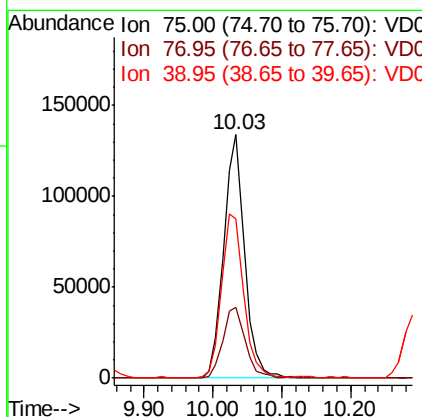
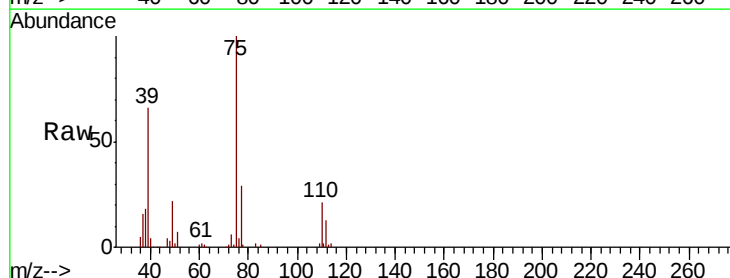
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBS01

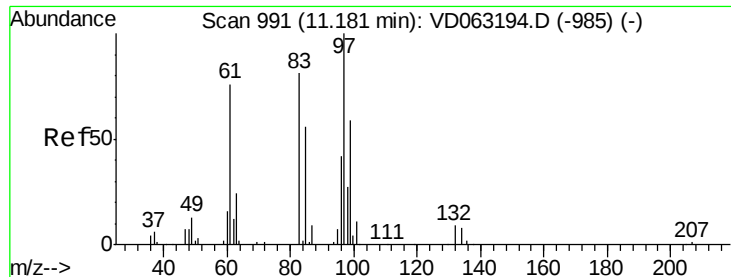
Tot Ion: 75 Resp: 244724
Ion Ratio Lower Upper
75 100
77 30.7 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 22.093 ug/l
RT: 10.03 min Scan# 874
Delta R.T. 0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Tgt Ion: 75 Resp: 280461
Ion Ratio Lower Upper
75 100
77 29.2 24.9 37.3
39 65.6 53.9 80.9

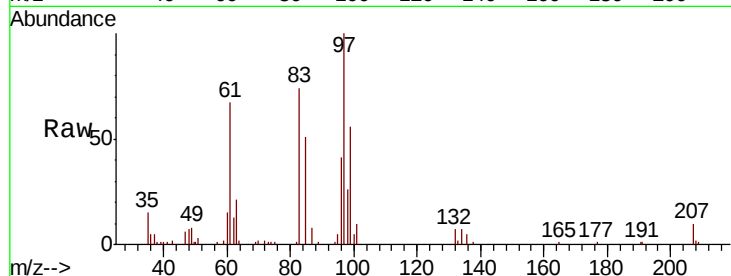




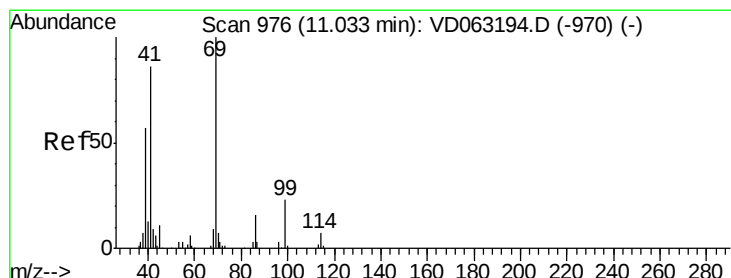
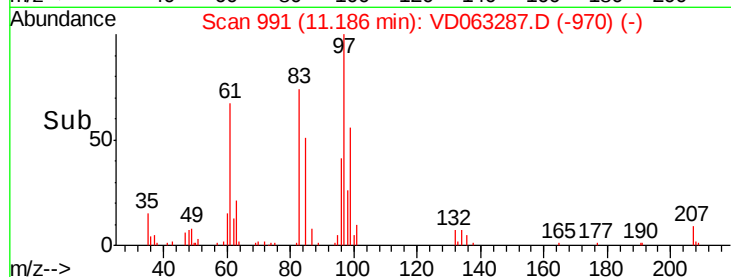
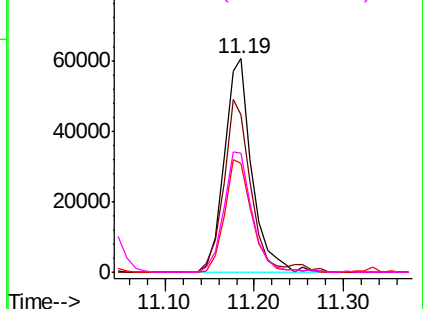
#55
 1,1,2-Trichloroethane
 Concen: 22.478 ug/l
 RT: 11.19 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063287.D
 Acq: 1 Aug 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0801SBS01

Tot Ion:	97	Resp:	131313
Ion	Ratio	Lower	Upper
97	100		
83	73.9	64.8	97.2
85	50.8	44.9	67.3
99	55.8	47.2	70.8

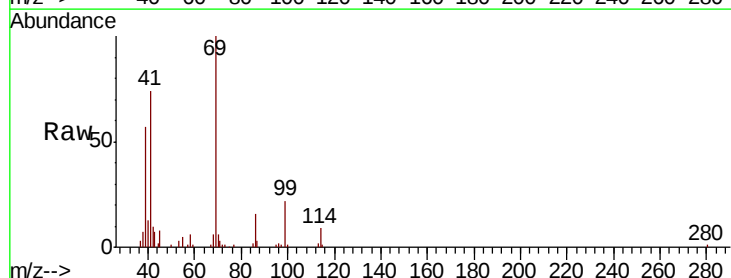


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

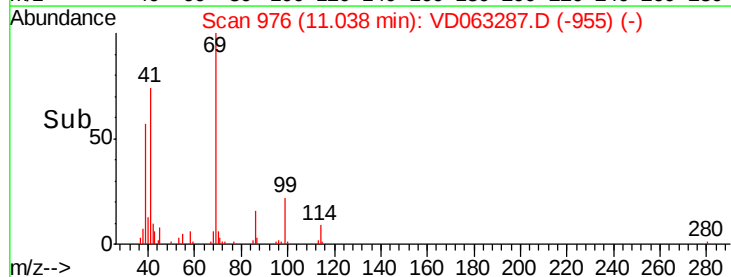
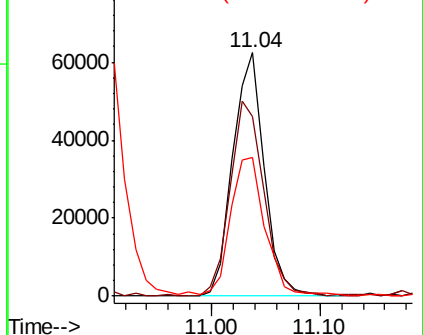


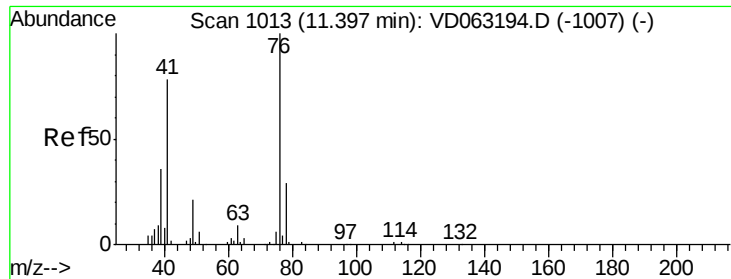
#56
 Ethyl methacrylate
 Concen: 19.724 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063287.D
 Acq: 1 Aug 2019 11:29

Tgt Ion:	69	Resp:	126171
Ion	Ratio	Lower	Upper
69	100		
41	73.9	68.8	103.2
39	56.9	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: 22.571 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

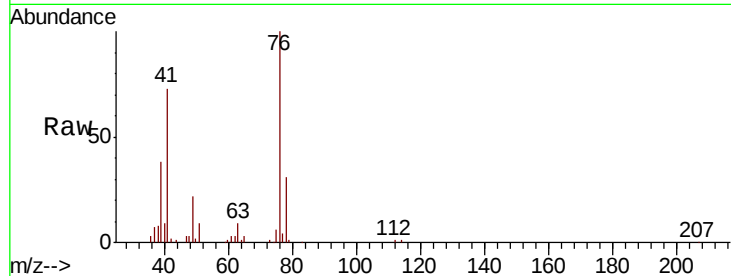
VD0801SBS01

Tot Ion: 76 Resp: 207750

Ion Ratio Lower Upper

76 100

78 31.3 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

100000

80000

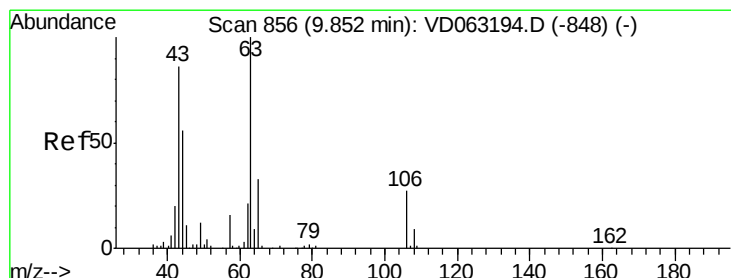
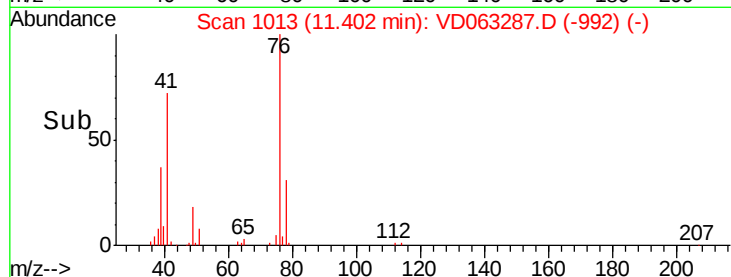
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.391 ug/l

RT: 9.85 min Scan# 855

Delta R.T. -0.00 min

Lab File: VD063287.D

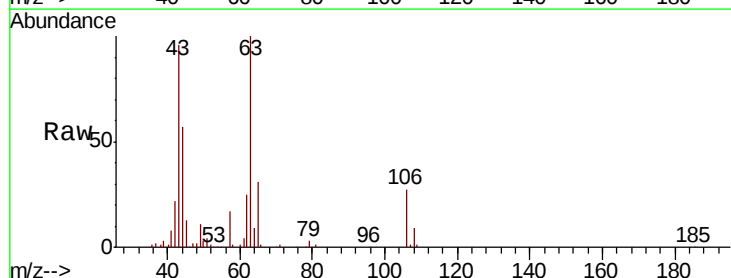
Acq: 1 Aug 2019 11:29

Tgt Ion: 63 Resp: 334161

Ion Ratio Lower Upper

63 100

106 26.9 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

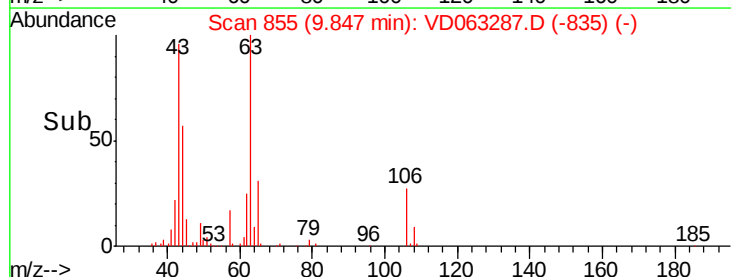
150000

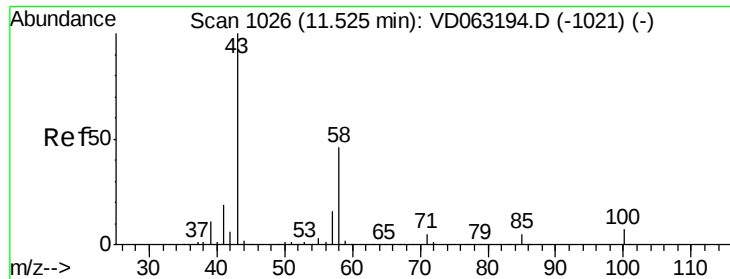
100000

50000

0

Time-->

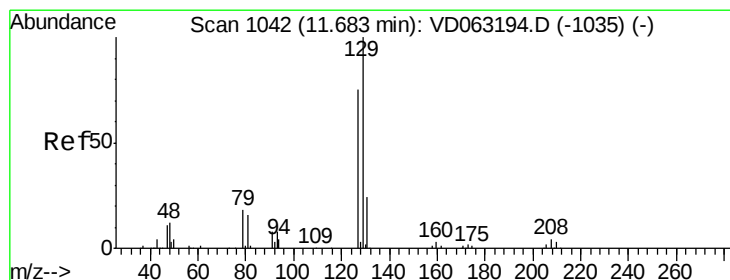
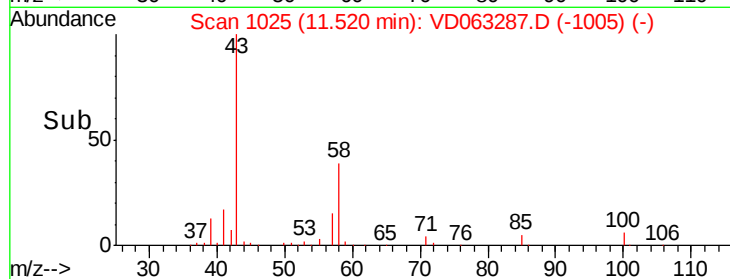
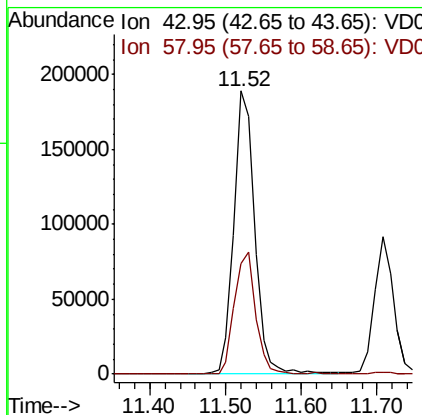
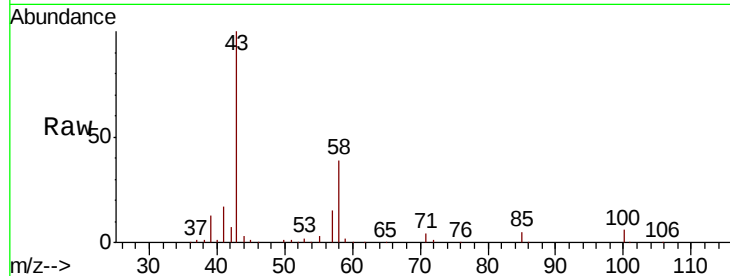




#59
2-Hexanone
Concen: 103.032 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

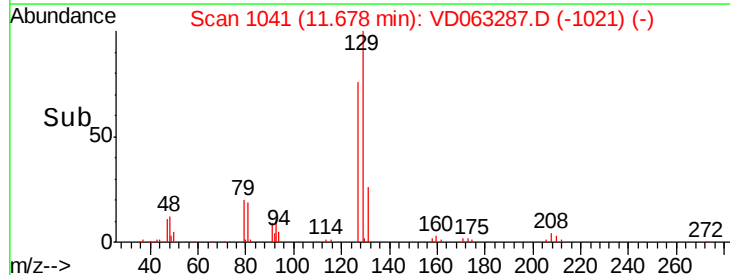
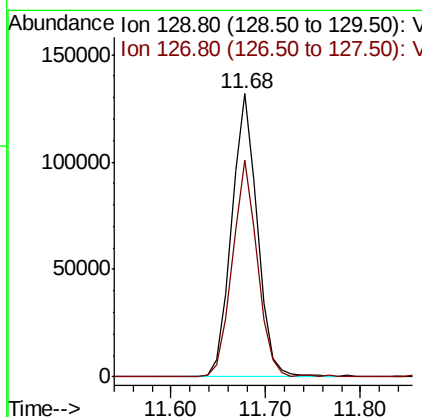
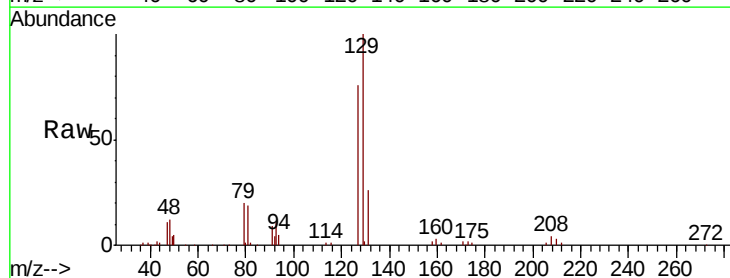
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBS01

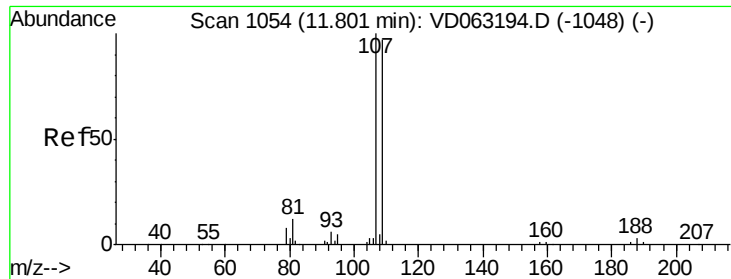
Tot Ion: 43 Resp: 359592
Ion Ratio Lower Upper
43 100
58 39.2 22.9 68.5



#60
Dibromochloromethane
Concen: 22.355 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Tgt Ion: 129 Resp: 246539
Ion Ratio Lower Upper
129 100
127 76.5 37.6 112.8

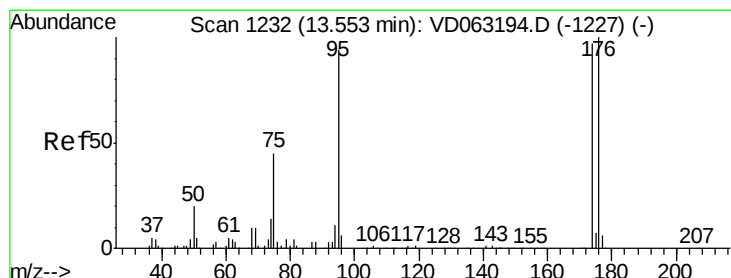
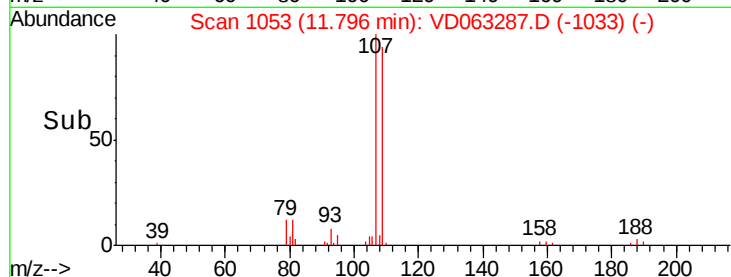
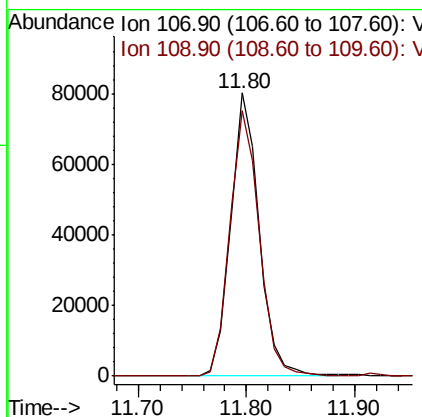
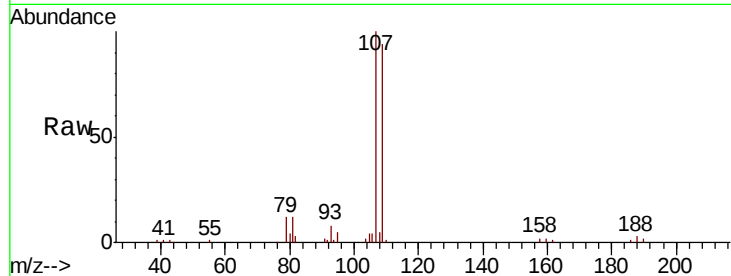




#61
 1,2-Dibromoethane
 Concen: 20.318 ug/l
 RT: 11.80 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063287.D
 Acq: 1 Aug 2019 11:29

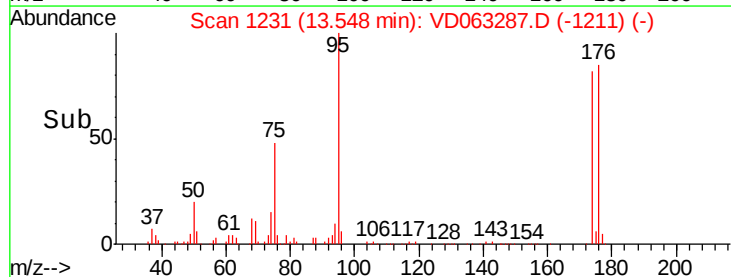
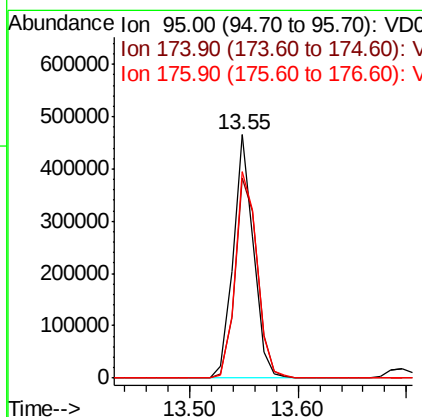
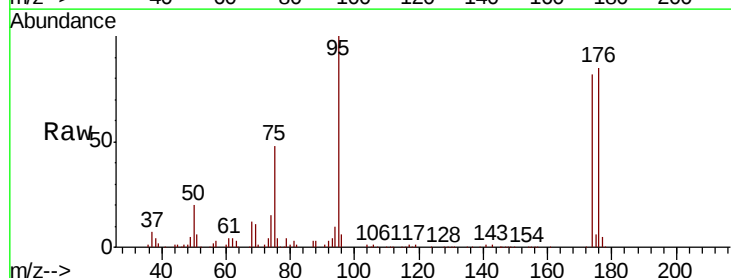
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0801SBS01

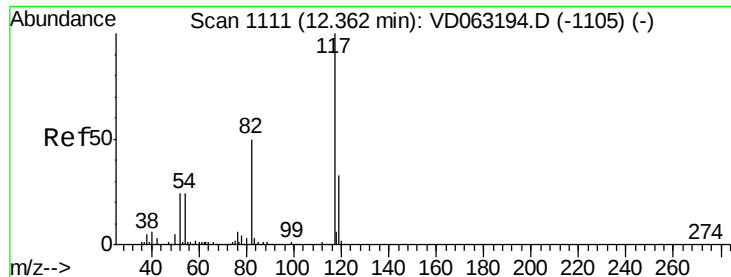
Tot Ion:107 Resp: 146463
 Ion Ratio Lower Upper
 107 100
 109 93.7 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 51.322 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD063287.D
 Acq: 1 Aug 2019 11:29

Tgt Ion: 95 Resp: 607617
 Ion Ratio Lower Upper
 95 100
 174 82.1 0.0 205.4
 176 85.0 0.0 211.8

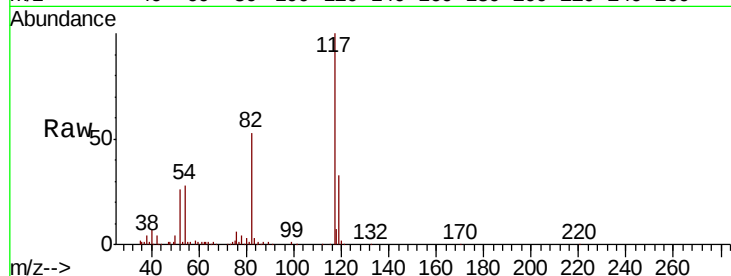




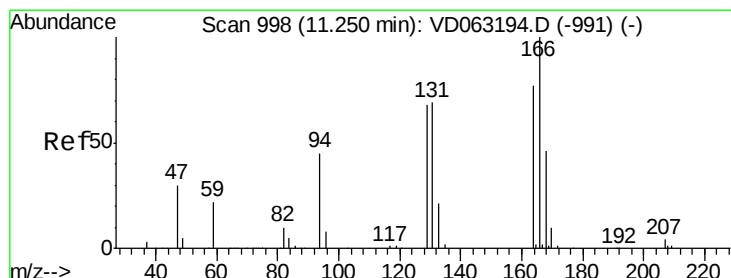
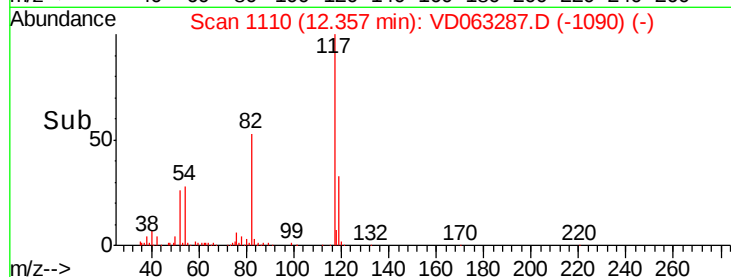
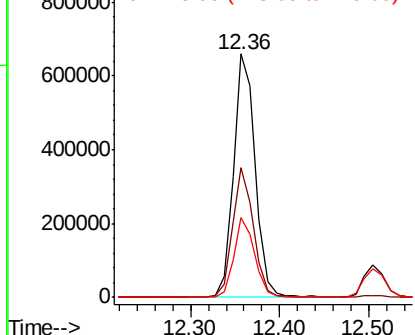
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0801SBS01

Tot Ion:117 Resp: 1123693
Ion Ratio Lower Upper
117 100
82 53.2 40.1 60.1
119 32.7 26.5 39.7

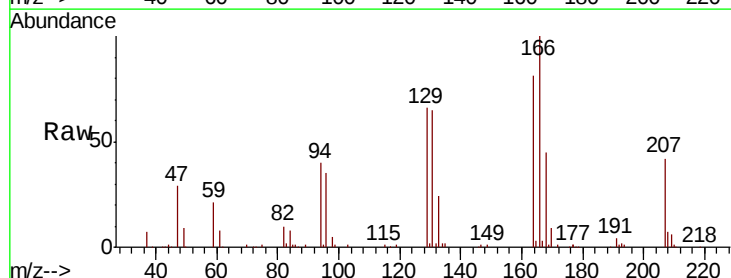


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

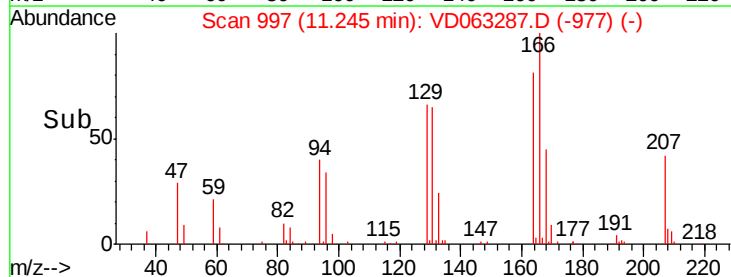
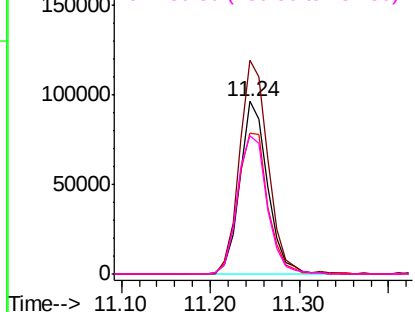


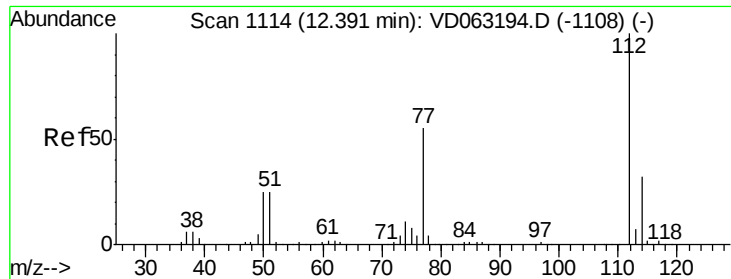
#64
Tetrachloroethene
Concen: 23.028 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Tgt Ion:164 Resp: 206150
Ion Ratio Lower Upper
164 100
166 123.8 104.3 156.5
129 81.7 70.9 106.3
131 80.0 71.6 107.4



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

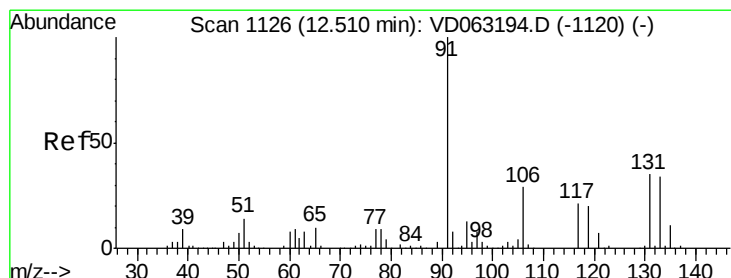
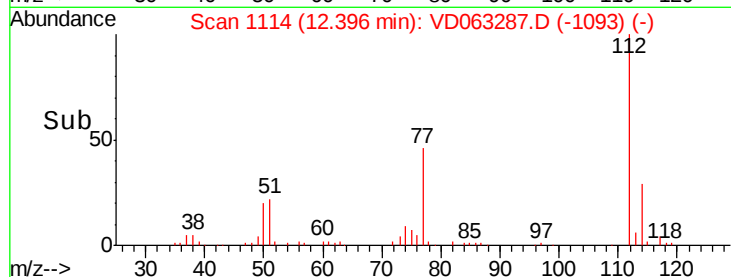
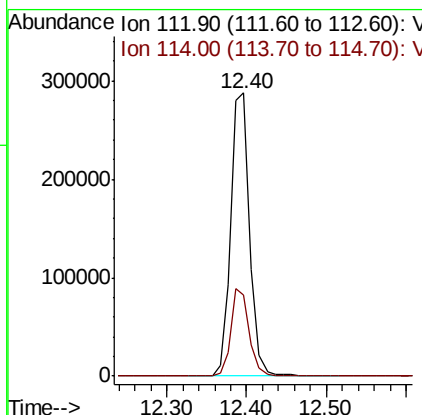
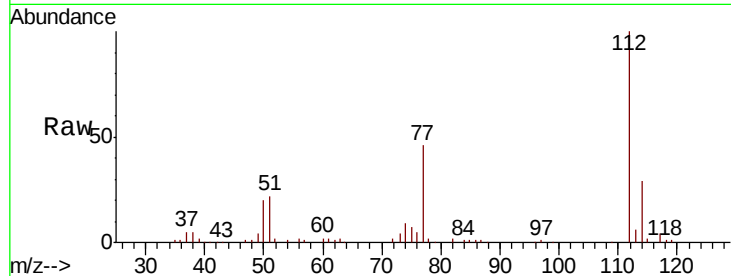




#65
Chlorobenzene
Concen: 22.266 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

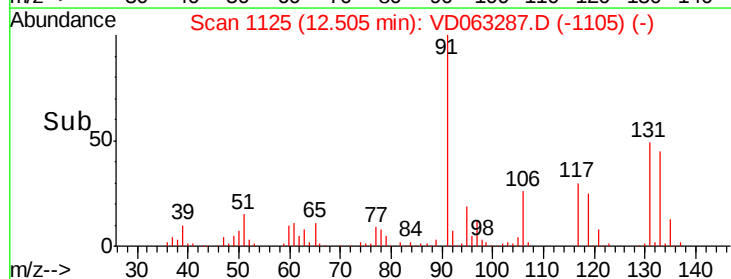
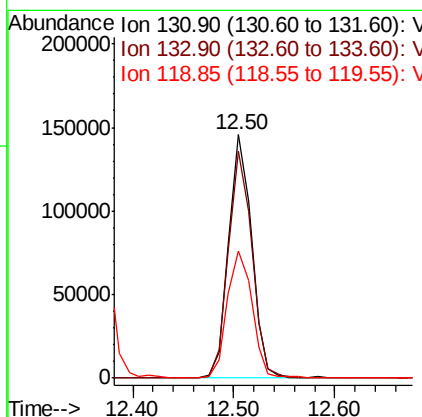
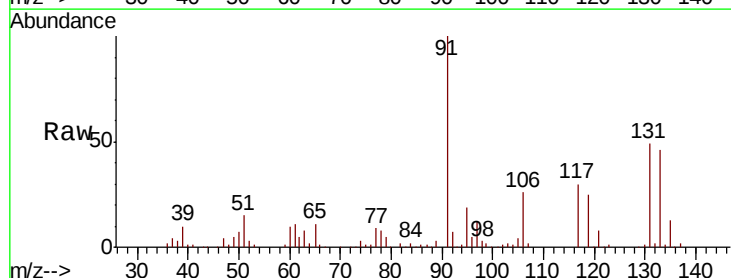
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBS01

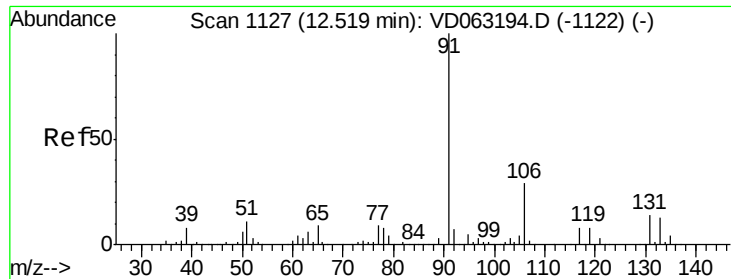
Tot Ion:112 Resp: 481240
Ion Ratio Lower Upper
112 100
114 28.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 24.256 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Tgt Ion:131 Resp: 230930
Ion Ratio Lower Upper
131 100
133 93.3 48.4 145.2
119 52.2 29.1 87.3

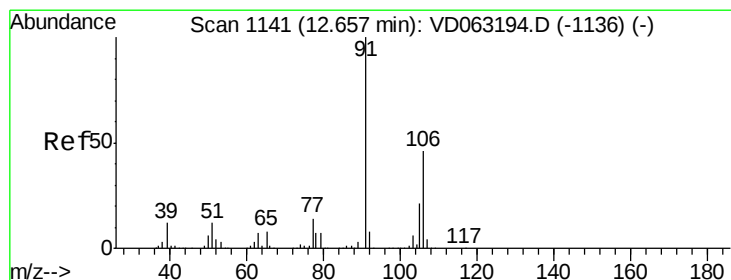
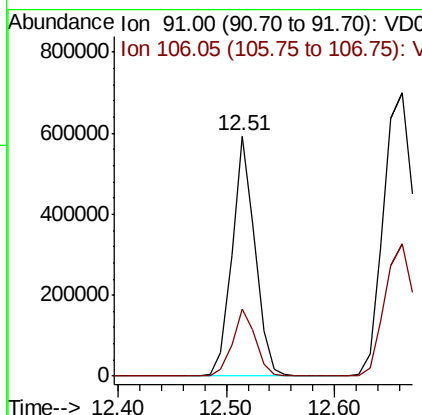
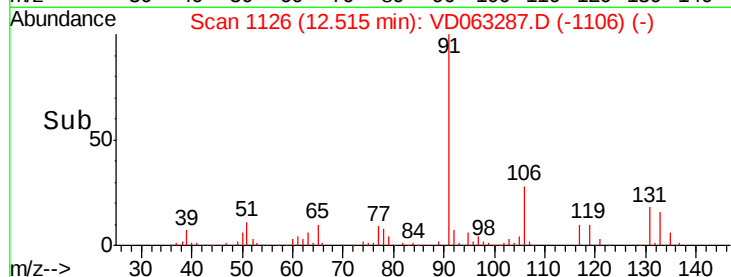
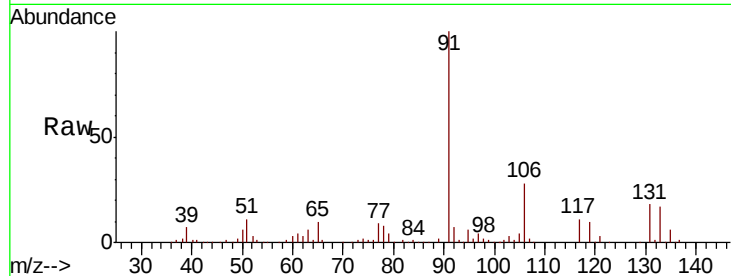




#67
Ethyl Benzene
Concen: 23.797 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

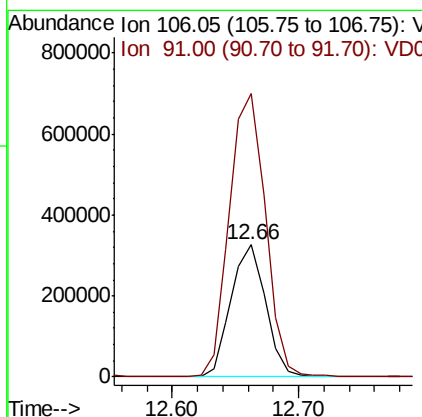
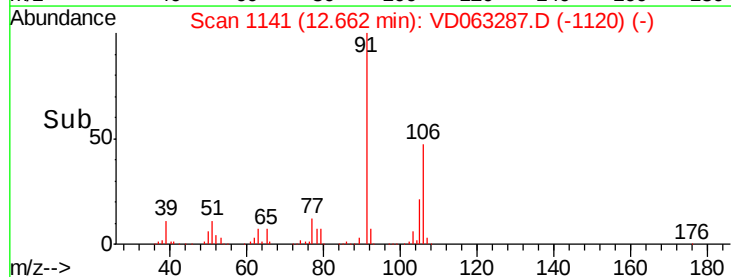
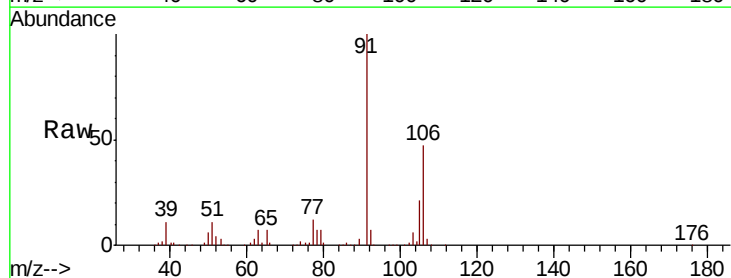
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBS01

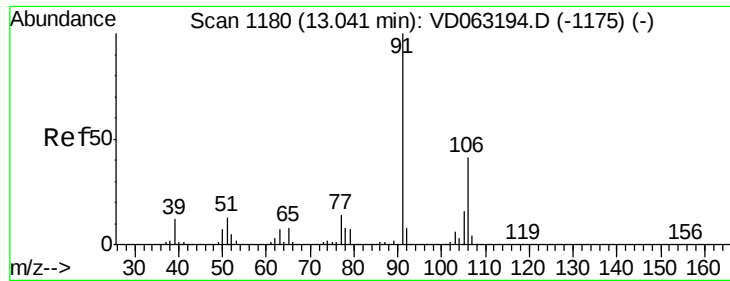
Tot Ion: 91 Resp: 873741
Ion Ratio Lower Upper
91 100
106 28.2 22.9 34.3



#68
m/p-Xylenes
Concen: 46.116 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Tgt Ion:106 Resp: 620958
Ion Ratio Lower Upper
106 100
91 214.7 172.6 259.0

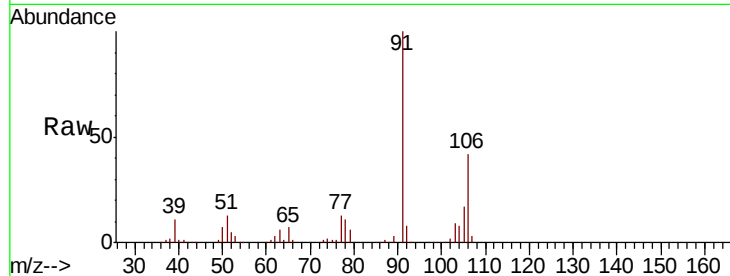




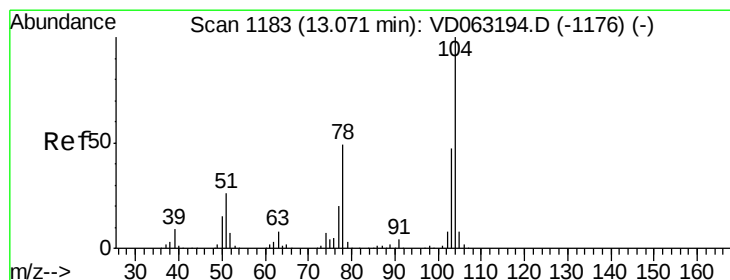
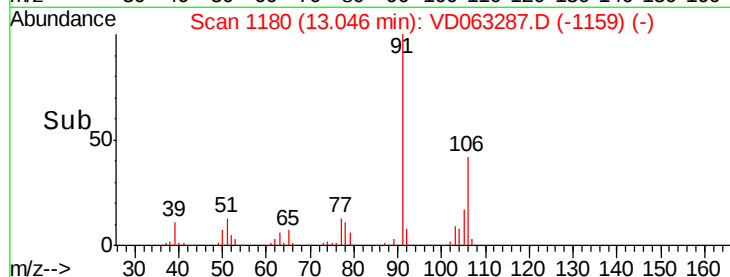
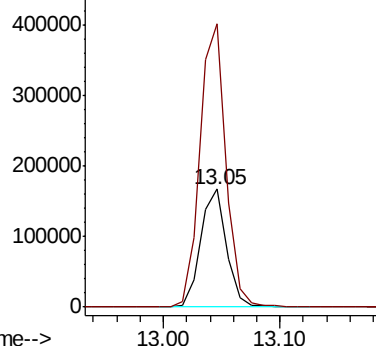
#69
o-Xylene
Concen: 20.701 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0801SBS01

Tot Ion:106 Resp: 255977
Ion Ratio Lower Upper
106 100
91 240.5 121.3 363.9

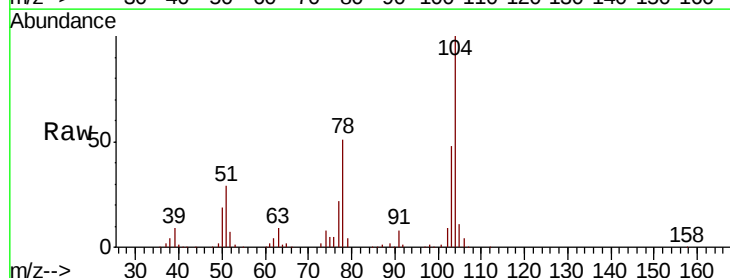


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

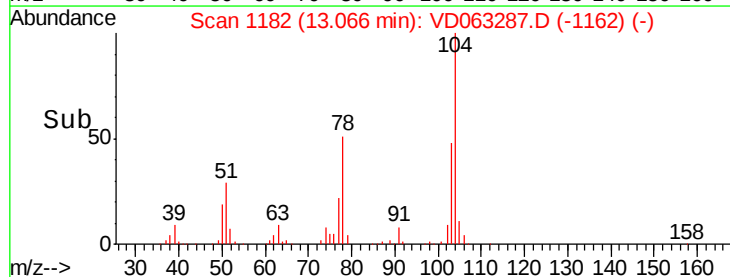
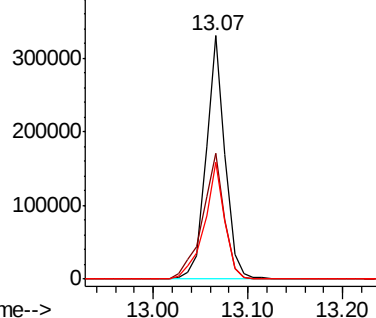


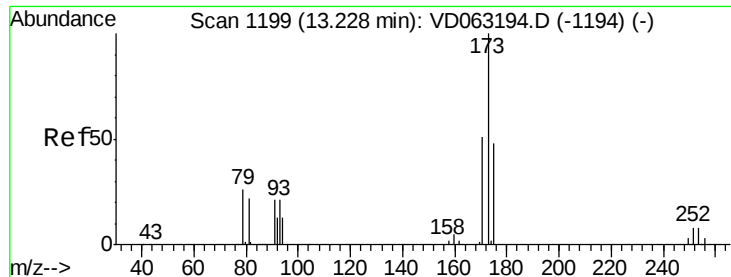
#70
Styrene
Concen: 20.685 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Tgt Ion:104 Resp: 453590
Ion Ratio Lower Upper
104 100
78 51.5 39.4 59.0
103 48.1 37.4 56.2



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





#71

Bromoform

Concen: 21.154 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBS01

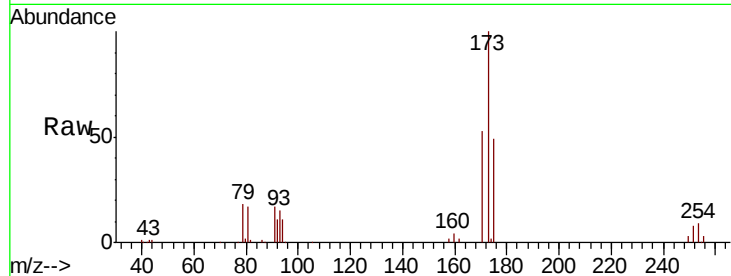
Tot Ion:173 Resp: 146458

Ion Ratio Lower Upper

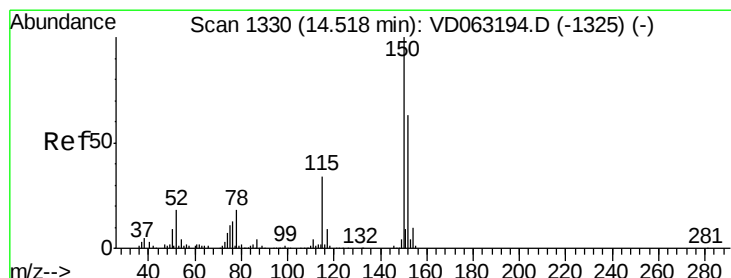
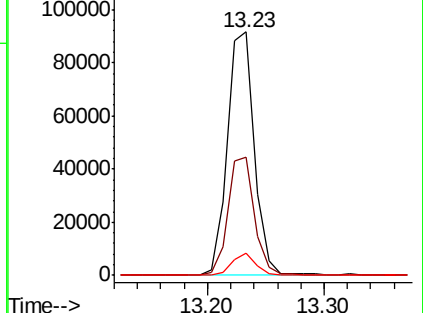
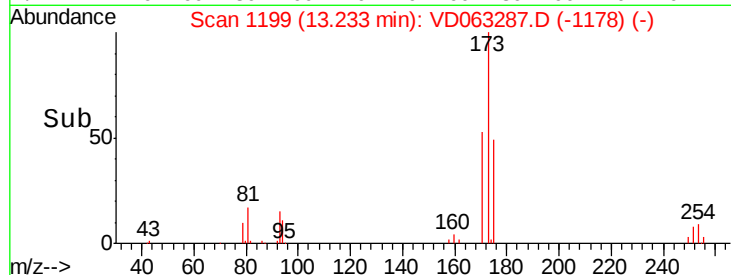
173 100

175 48.7 23.8 71.5

254 9.2 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: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

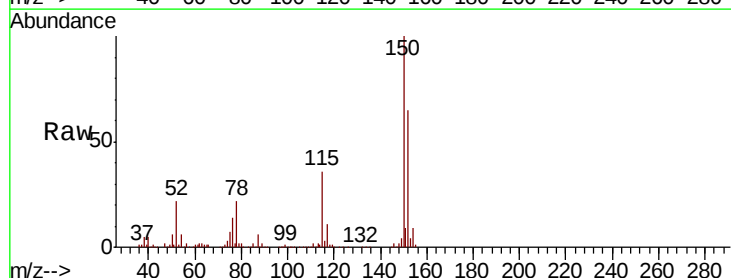
Tgt Ion:152 Resp: 658716

Ion Ratio Lower Upper

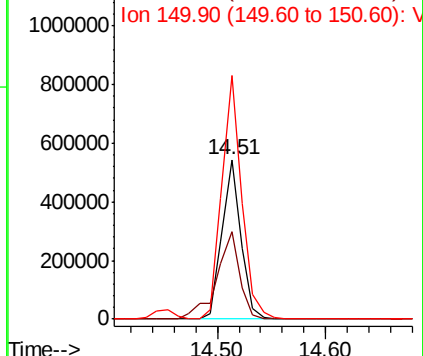
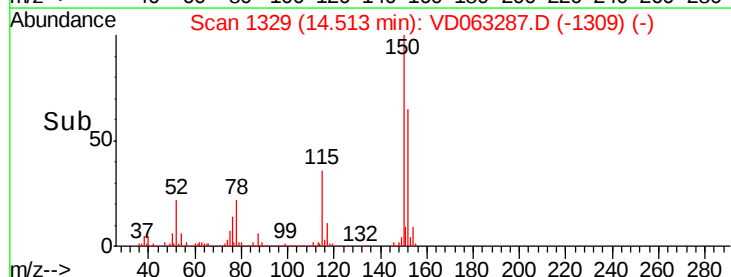
152 100

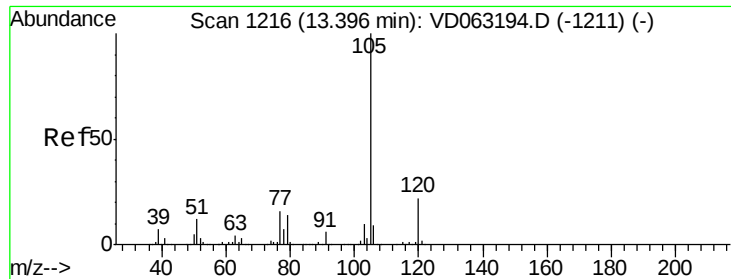
115 54.6 27.5 82.4

150 152.7 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: 20.574 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

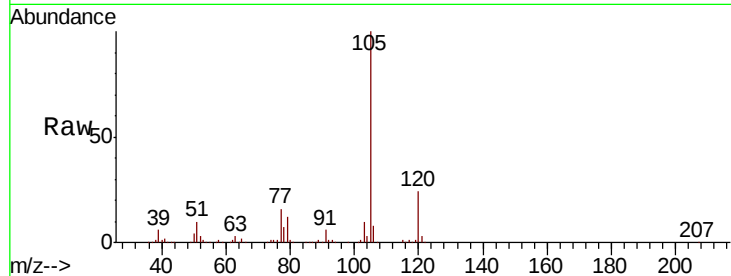
VD0801SBS01

Tot Ion:105 Resp: 850587

Ion Ratio Lower Upper

105 100

120 24.0 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

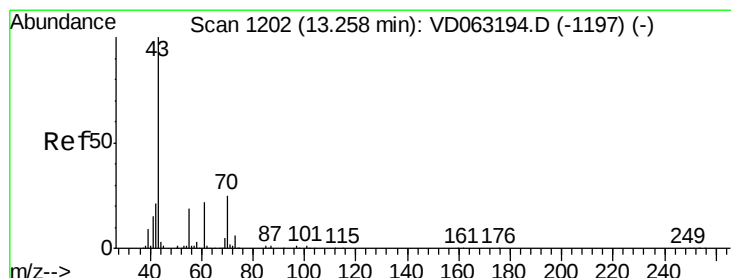
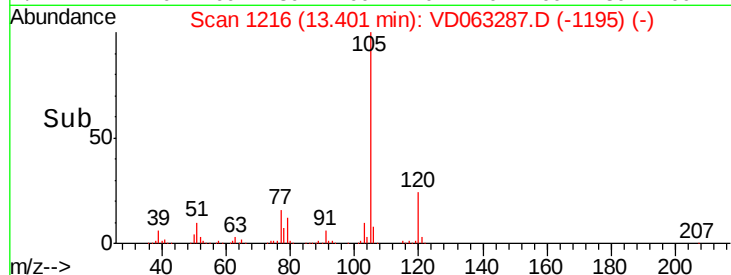
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 19.111 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Tgt Ion: 43 Resp: 208868

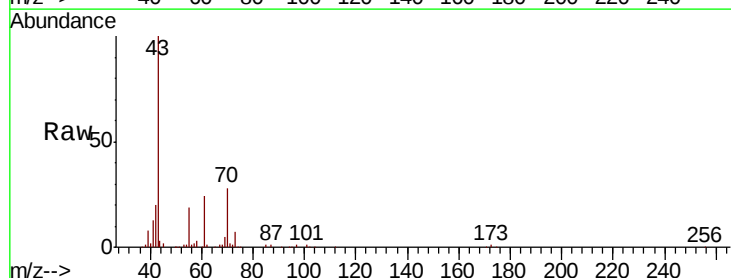
Ion Ratio Lower Upper

43 100

70 27.5 20.2 30.4

55 18.9 14.9 22.3

61 23.6 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

250000

200000

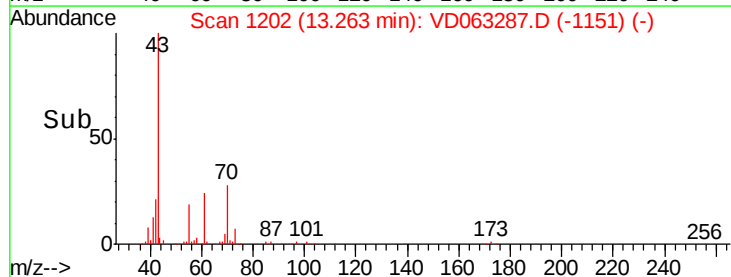
150000

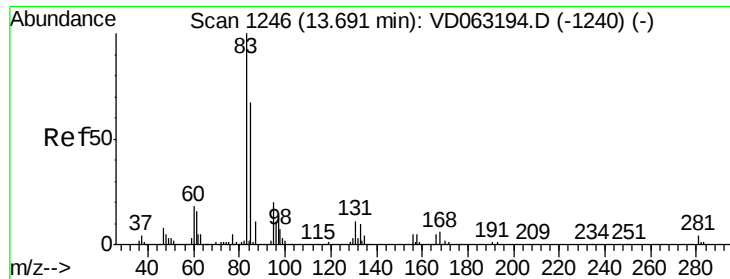
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 20.714 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBS01

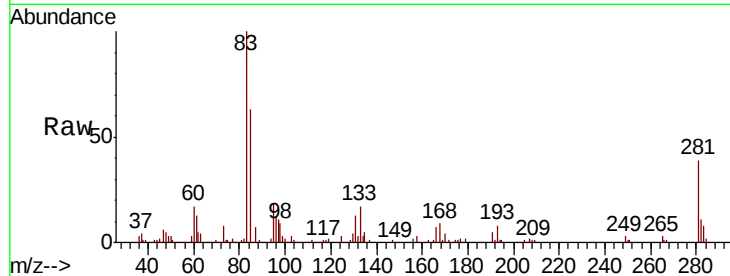
Tot Ion: 83 Resp: 145471

Ion Ratio Lower Upper

83 100

131 13.0 5.5 16.7

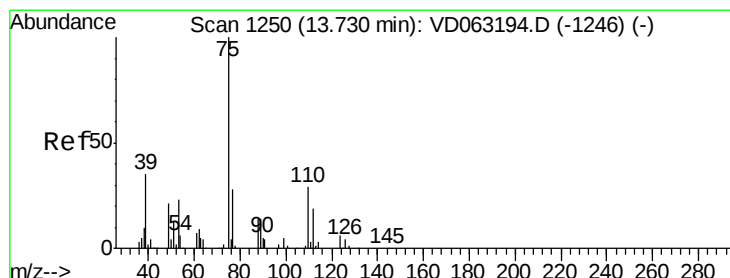
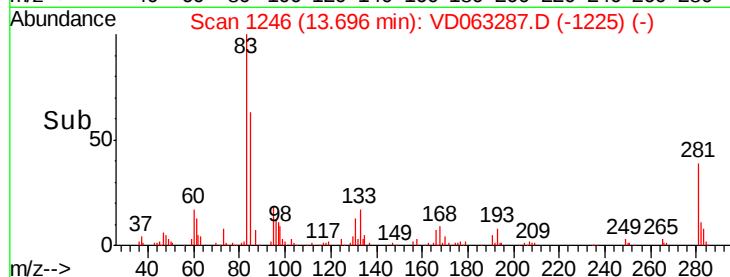
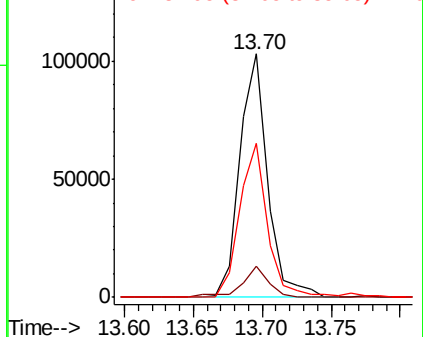
85 63.0 33.7 101.1



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: 18.579 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD063287.D

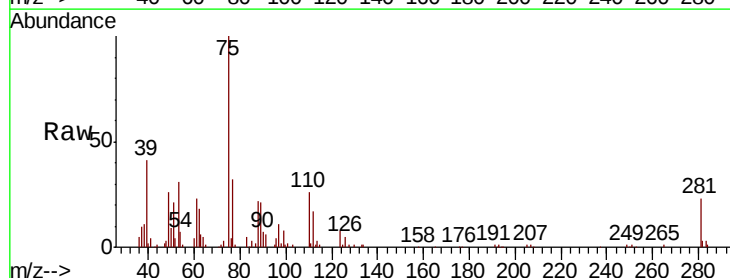
Acq: 1 Aug 2019 11:29

Tgt Ion: 75 Resp: 146997

Ion Ratio Lower Upper

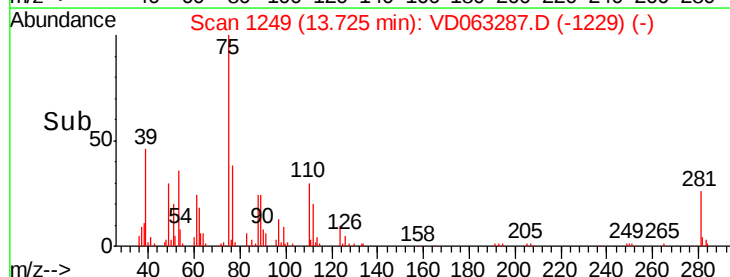
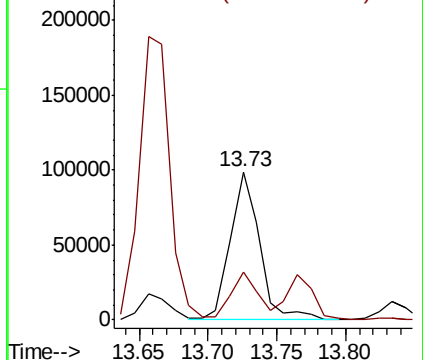
75 100

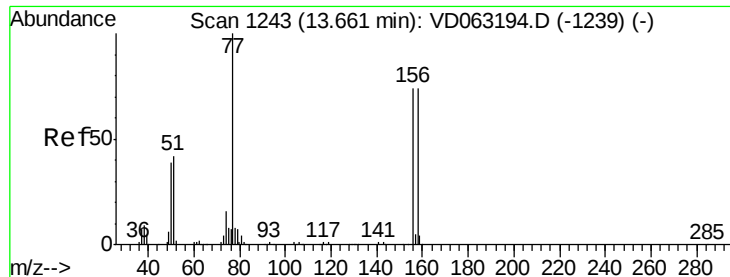
77 32.4 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.170 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBS01

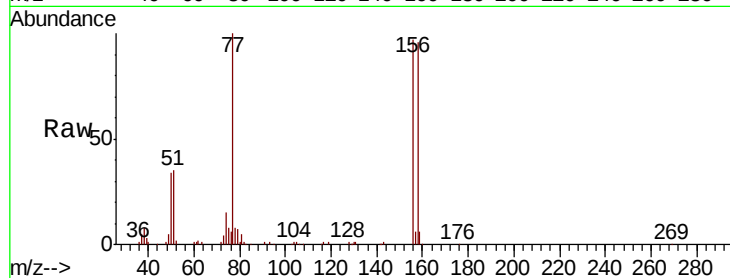
Tot Ion:156 Resp: 237549

Ion Ratio Lower Upper

156 100

77 103.4 67.6 202.8

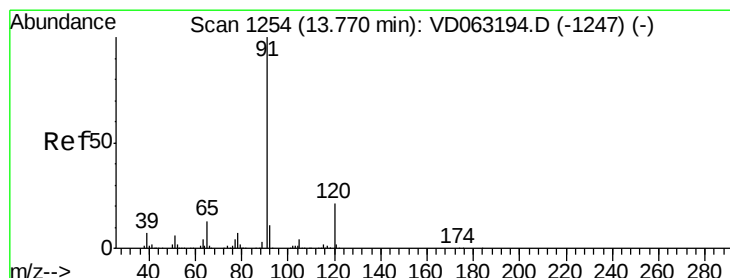
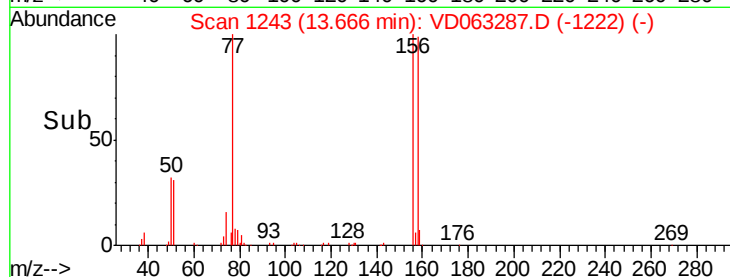
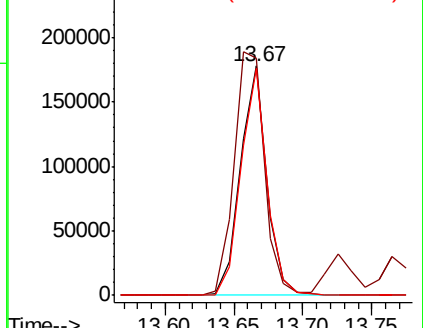
158 99.0 49.8 149.4



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: 19.910 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD063287.D

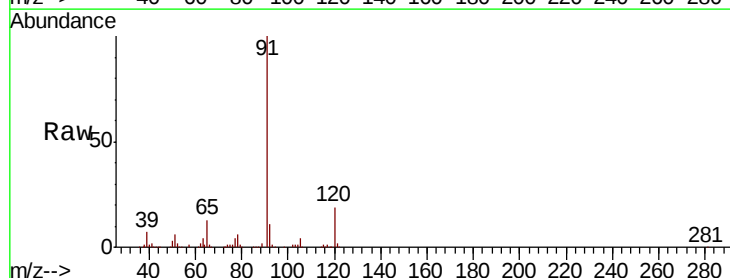
Acq: 1 Aug 2019 11:29

Tgt Ion: 91 Resp: 979544

Ion Ratio Lower Upper

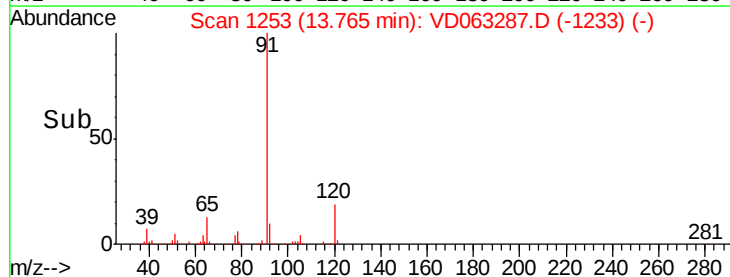
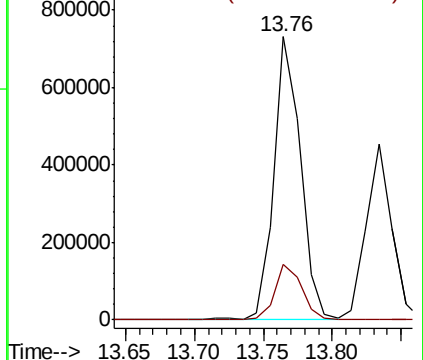
91 100

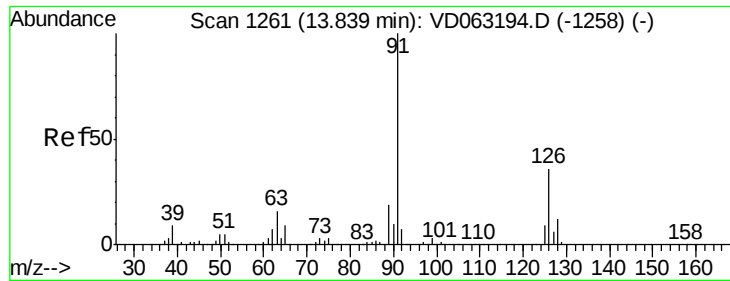
120 19.5 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.578 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

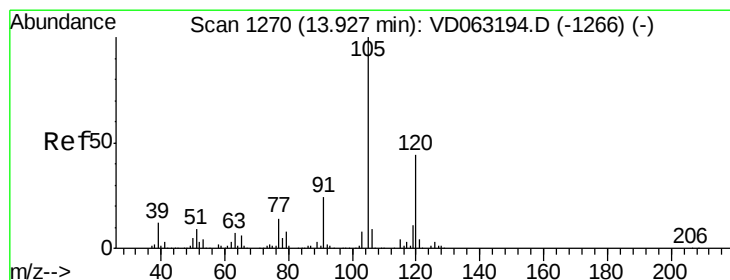
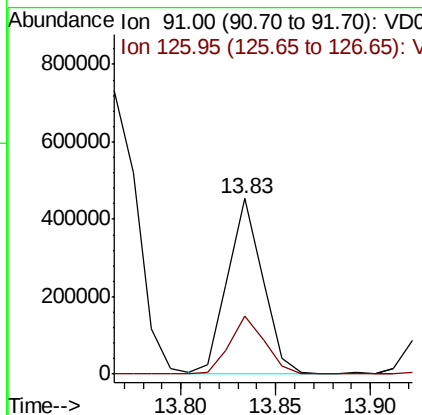
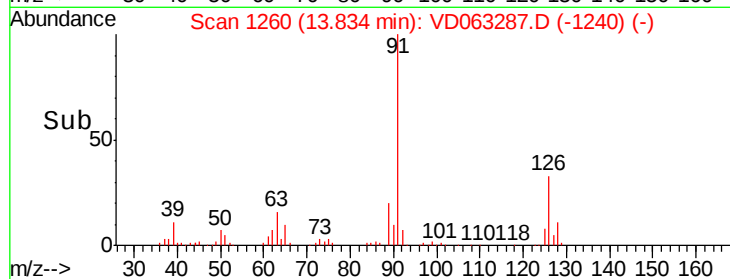
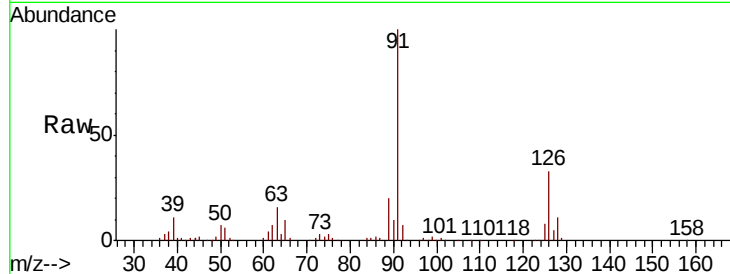
VD0801SBS01

Tot Ion: 91 Resp: 586641

Ion Ratio Lower Upper

91 100

126 33.3 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 21.539 ug/l

RT: 13.92 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD063287.D

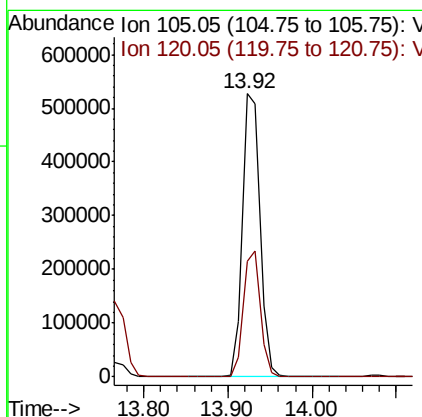
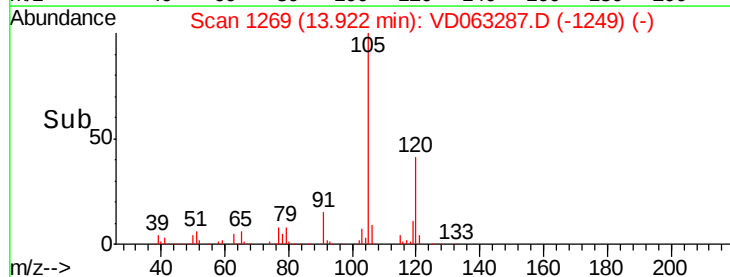
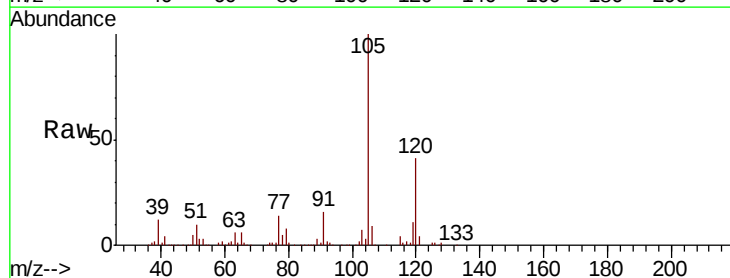
Acq: 1 Aug 2019 11:29

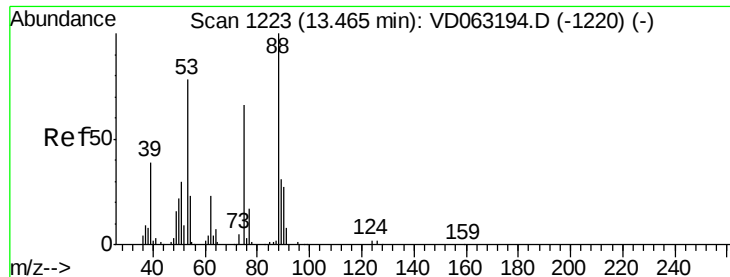
Tgt Ion: 105 Resp: 768047

Ion Ratio Lower Upper

105 100

120 41.0 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.956 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBS01

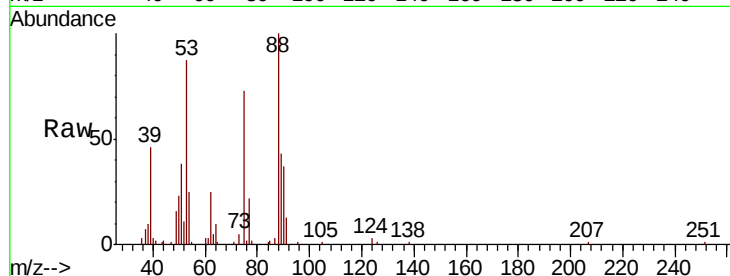
Tot Ion: 75 Resp: 39450

Ion Ratio Lower Upper

75 100

53 119.8 94.9 142.3

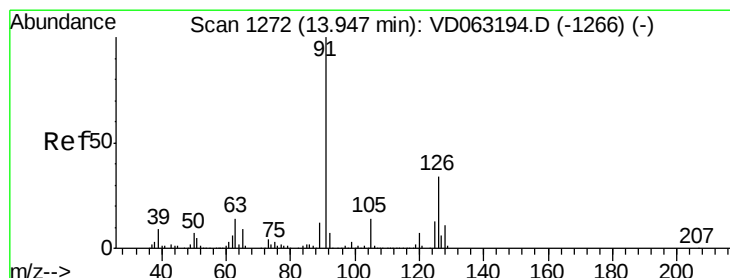
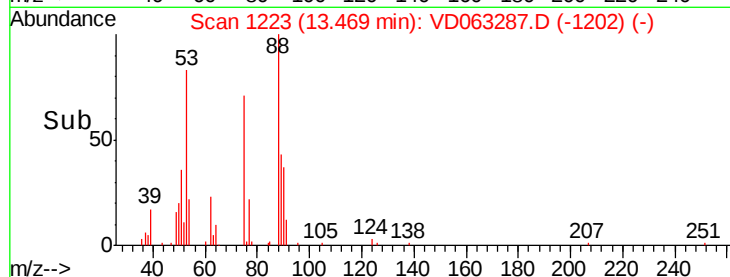
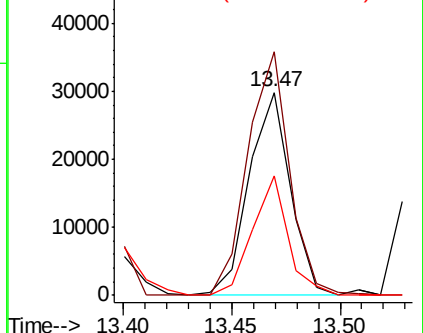
89 59.0 37.4 56.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.417 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063287.D

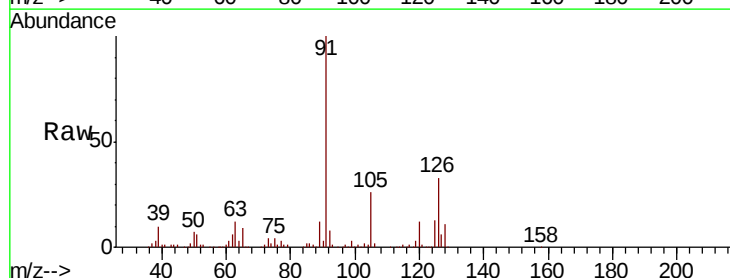
Acq: 1 Aug 2019 11:29

Tgt Ion: 91 Resp: 718534

Ion Ratio Lower Upper

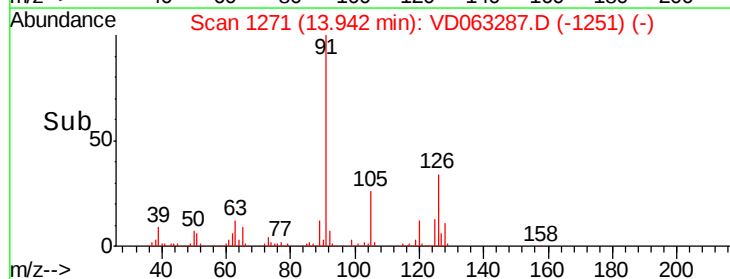
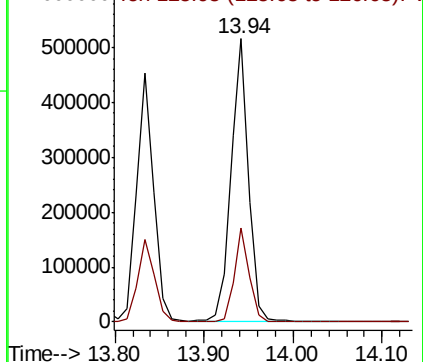
91 100

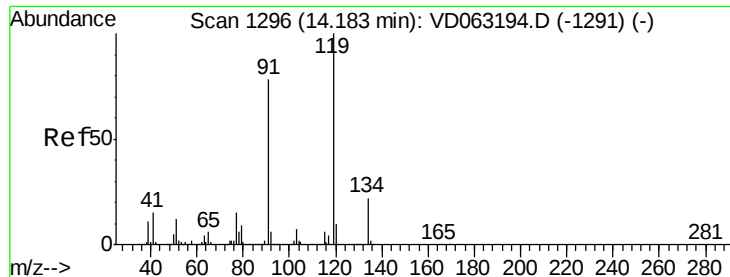
126 33.2 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

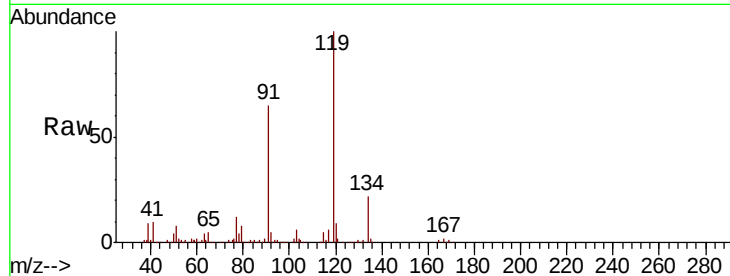




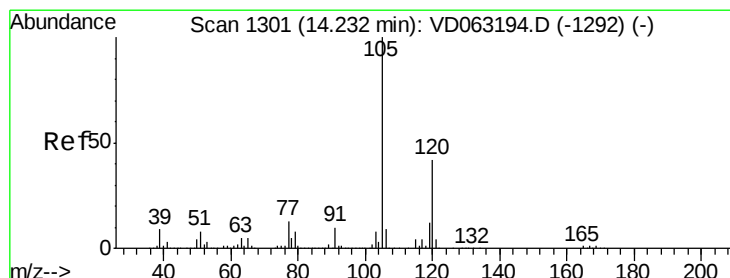
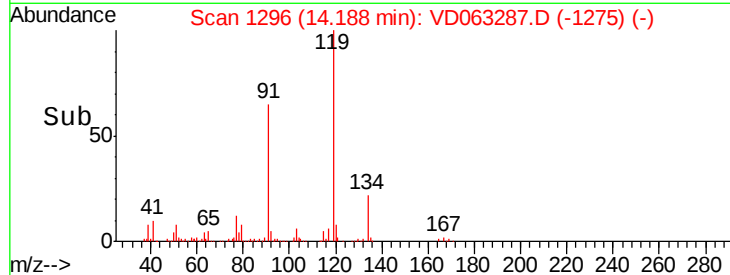
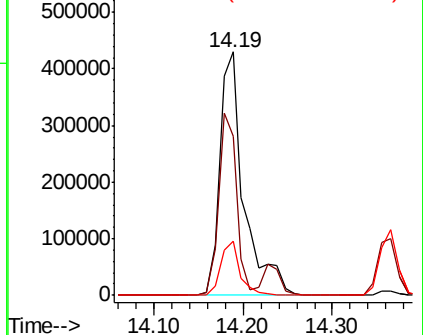
#83
 tert-Butylbenzene
 Concen: 19.993 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD063287.D
 Acq: 1 Aug 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0801SBS01

Tot Ion:119 Resp: 814019
 Ion Ratio Lower Upper
 119 100
 91 65.4 39.1 117.5
 134 22.2 10.9 32.6

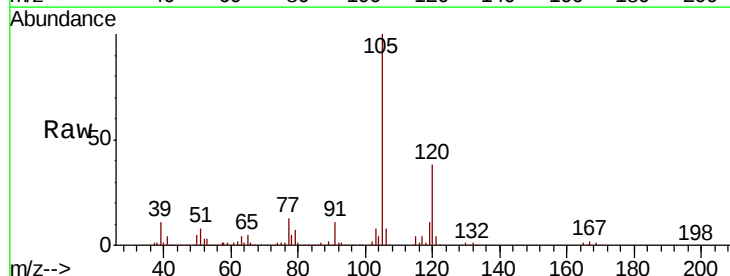


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

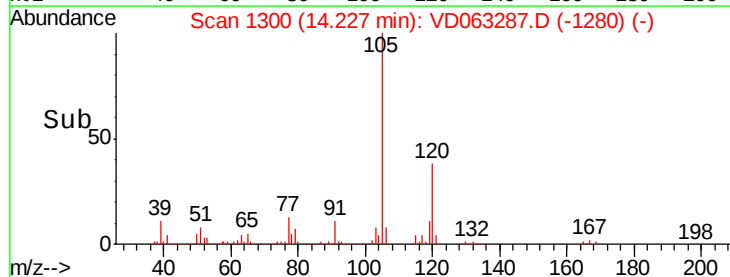
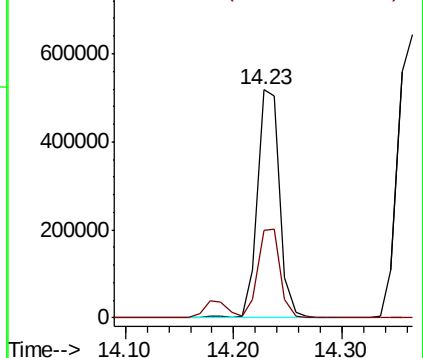


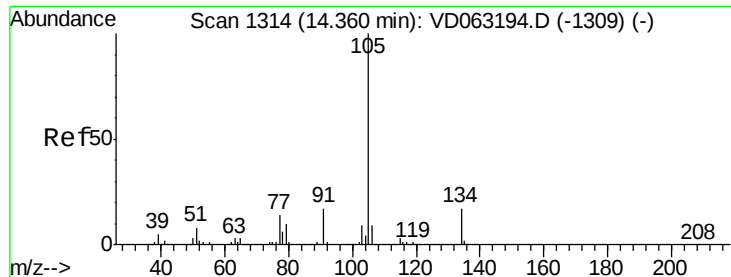
#84
 1,2,4-Trimethylbenzene
 Concen: 20.067 ug/l
 RT: 14.23 min Scan# 1300
 Delta R.T. -0.00 min
 Lab File: VD063287.D
 Acq: 1 Aug 2019 11:29

Tgt Ion:105 Resp: 740109
 Ion Ratio Lower Upper
 105 100
 120 38.4 20.9 62.7



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





#85

sec-Butylbenzene

Concen: 21.223 ug/l

RT: 14.37 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

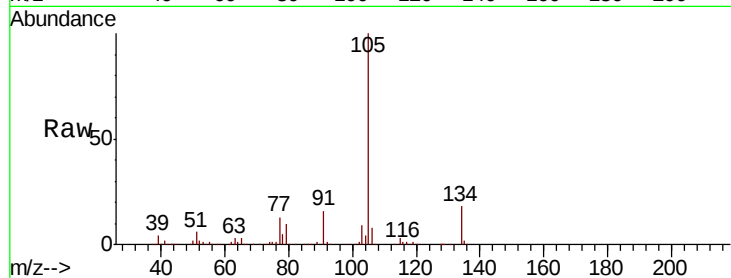
VD0801SBS01

Tot Ion:105 Resp: 910394

Ion Ratio Lower Upper

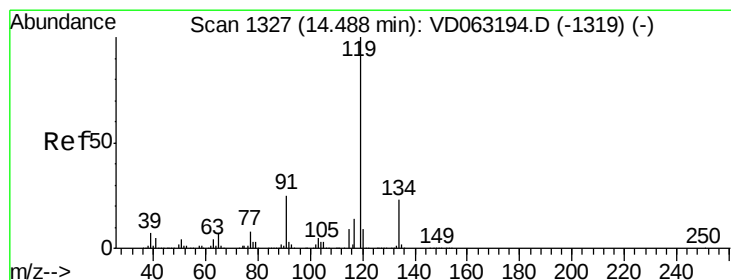
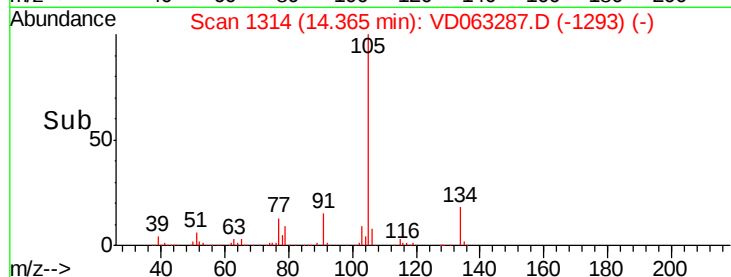
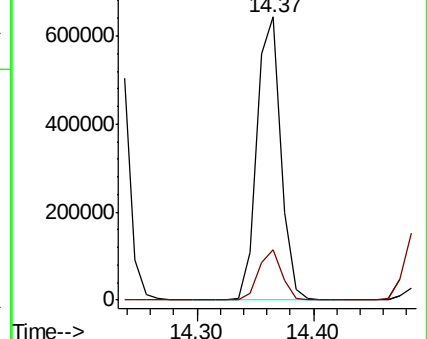
105 100

134 18.0 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: 21.014 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

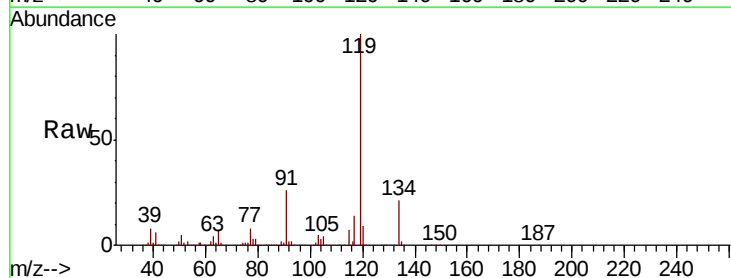
Tgt Ion:119 Resp: 860379

Ion Ratio Lower Upper

119 100

134 21.1 11.5 34.5

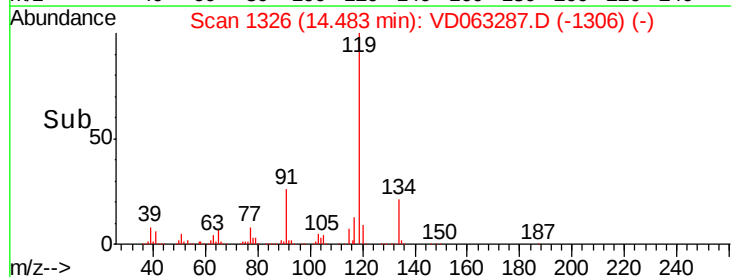
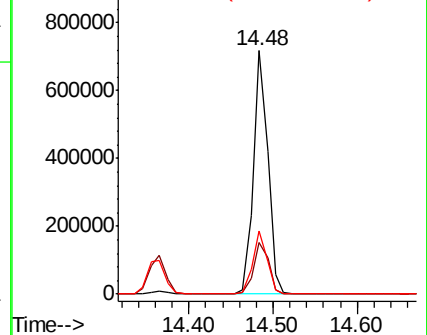
91 25.7 12.6 37.6

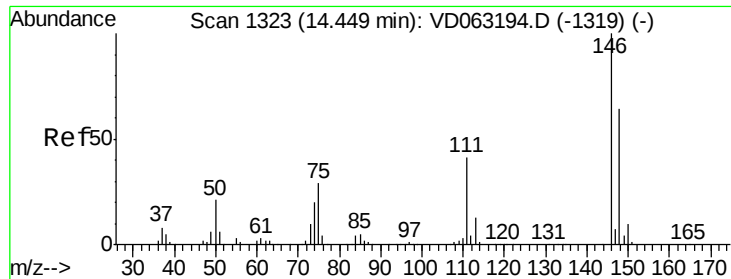


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

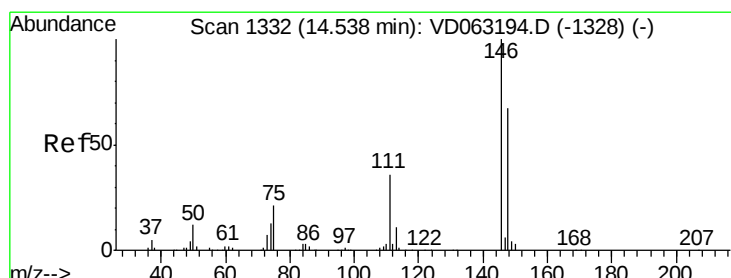
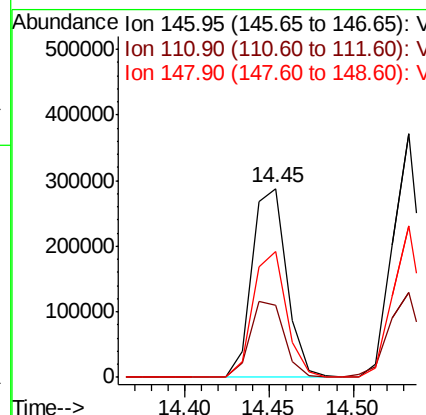
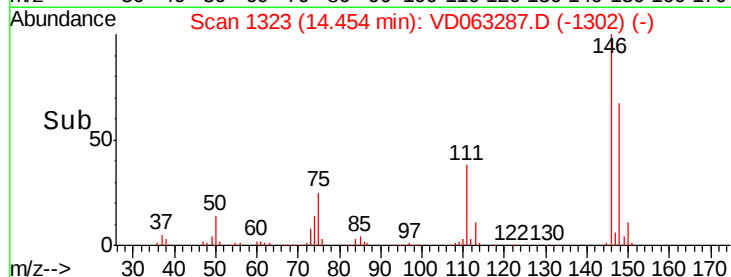
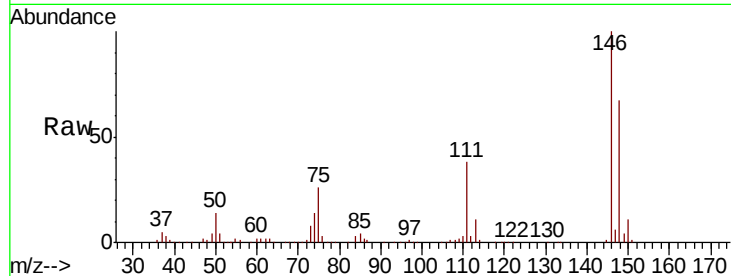




#87
 1,3-Dichlorobenzene
 Concen: 19.788 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063287.D
 Acq: 1 Aug 2019 11:29

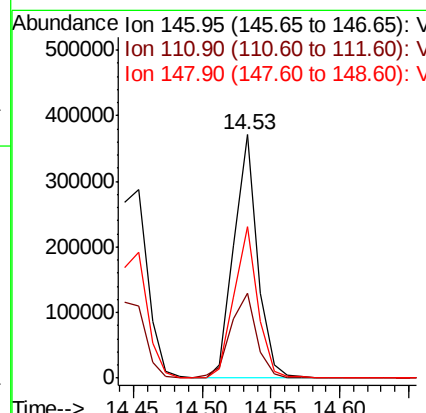
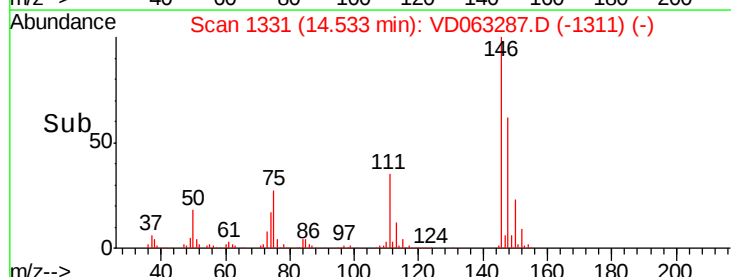
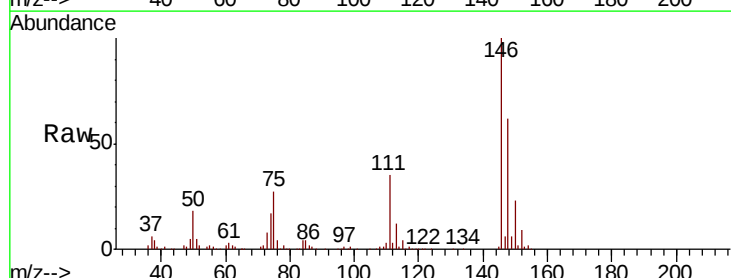
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0801SBS01

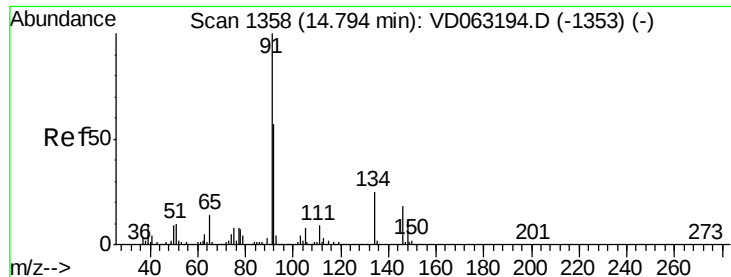
Tot Ion:146 Resp: 412722
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.4 61.3
 148 66.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.086 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD063287.D
 Acq: 1 Aug 2019 11:29

Tgt Ion:146 Resp: 444719
 Ion Ratio Lower Upper
 146 100
 111 34.8 18.1 54.3
 148 62.1 33.4 100.1

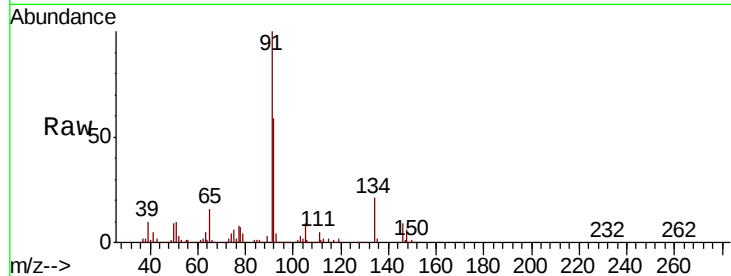




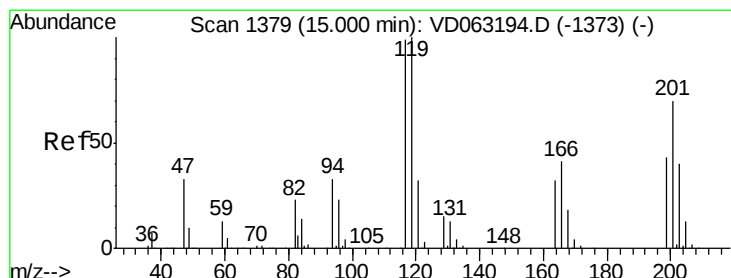
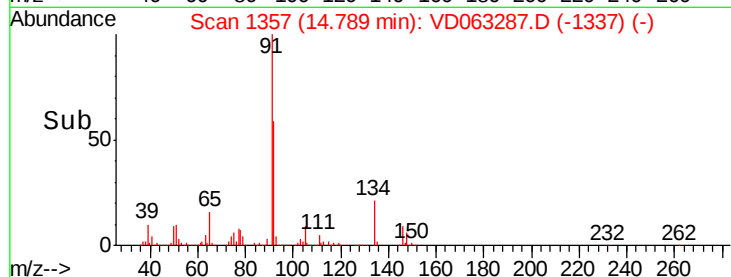
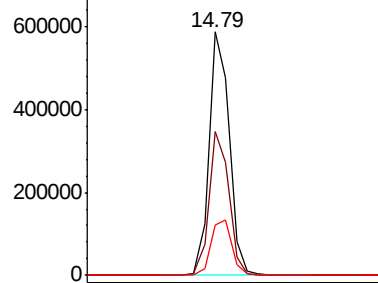
#89
n-Butylbenzene
Concen: 21.594 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0801SBS01

Tot Ion: 91 Resp: 763587
Ion Ratio Lower Upper
91 100
92 59.3 28.3 85.0
134 20.6 12.3 36.8

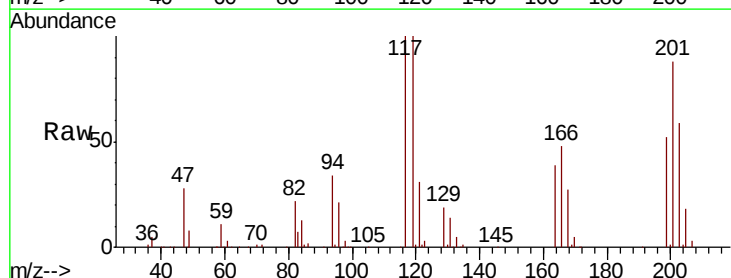


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

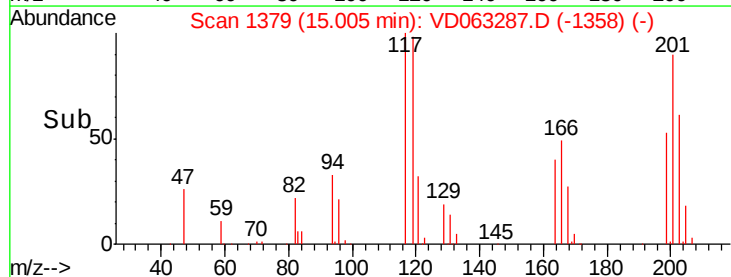
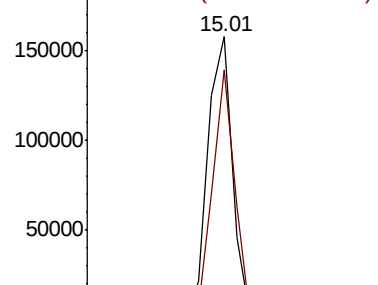


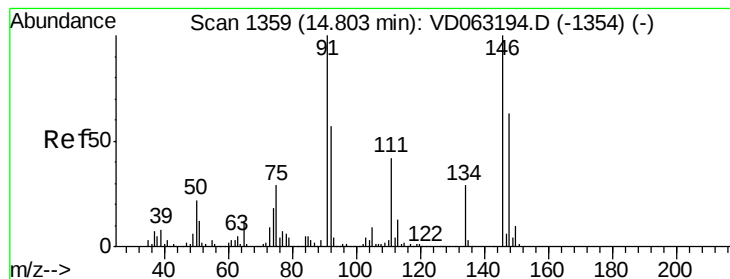
#90
Hexachloroethane
Concen: 19.954 ug/l
RT: 15.01 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Tgt Ion: 117 Resp: 212847
Ion Ratio Lower Upper
117 100
201 88.5 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 20.764 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBS01

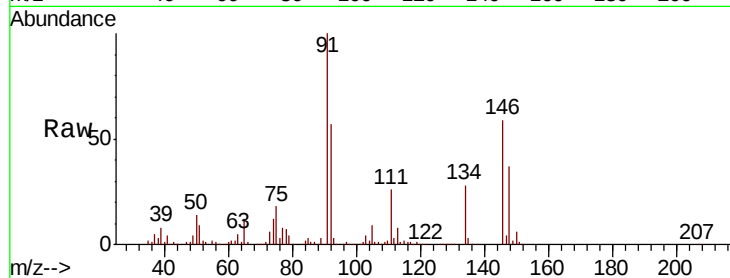
Tot Ion:146 Resp: 377335

Ion Ratio Lower Upper

146 100

111 43.7 21.1 63.3

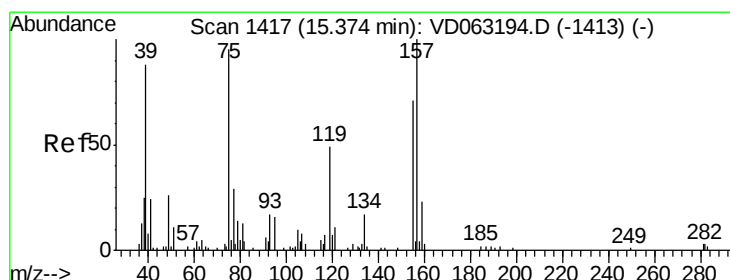
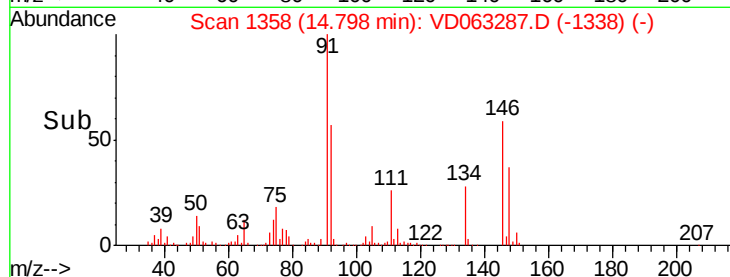
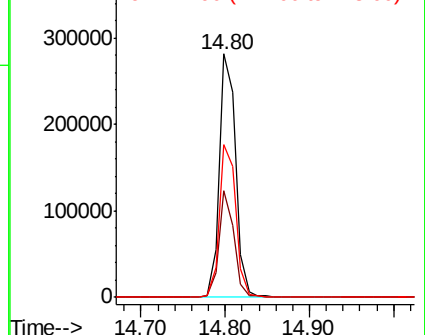
148 62.6 31.6 94.8



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: 17.098 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD063287.D

Acq: 1 Aug 2019 11:29

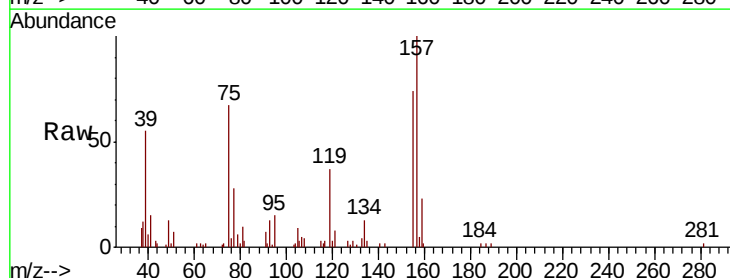
Tgt Ion: 75 Resp: 24458

Ion Ratio Lower Upper

75 100

155 109.2 37.0 111.0

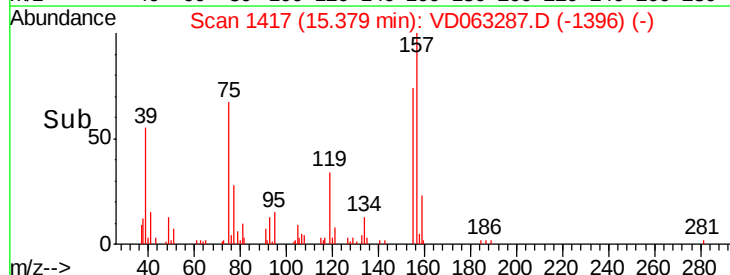
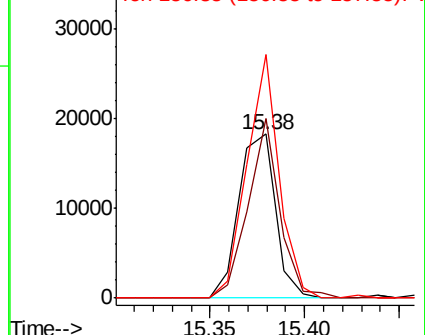
157 148.4 52.4 157.2

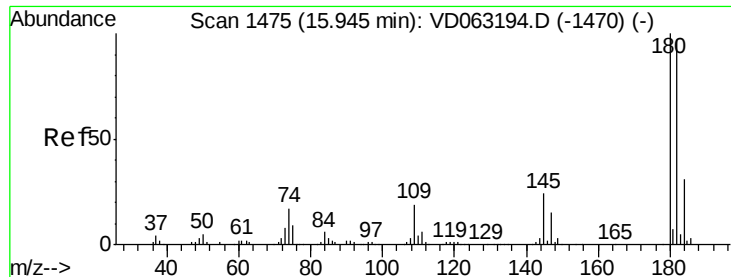


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

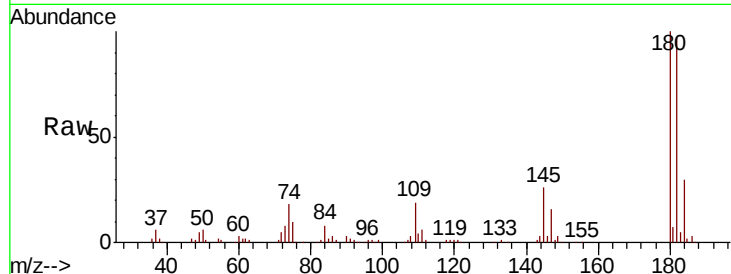




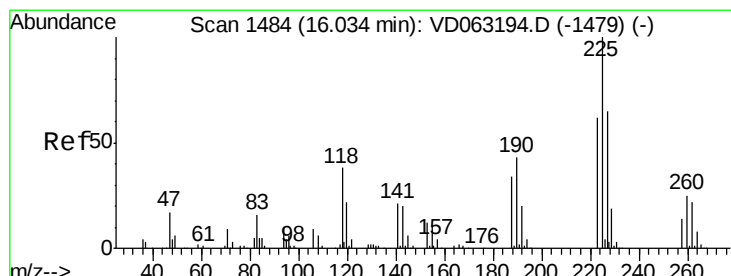
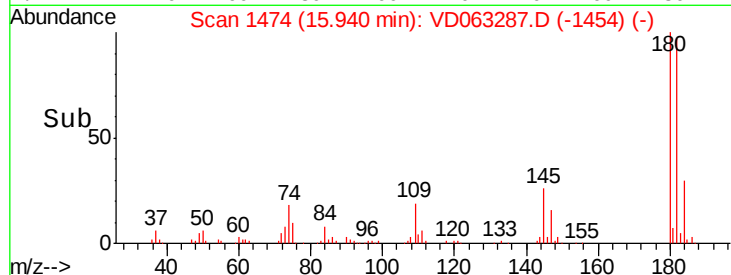
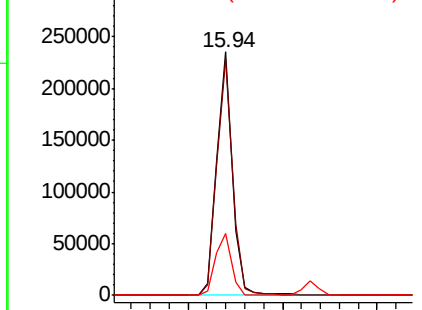
#93
 1,2,4-Trichlorobenzene
 Concen: 18.806 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD063287.D
 Acq: 1 Aug 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0801SBS01

Tot Ion:180 Resp: 271110
 Ion Ratio Lower Upper
 180 100
 182 96.8 48.6 145.8
 145 25.5 12.2 36.6

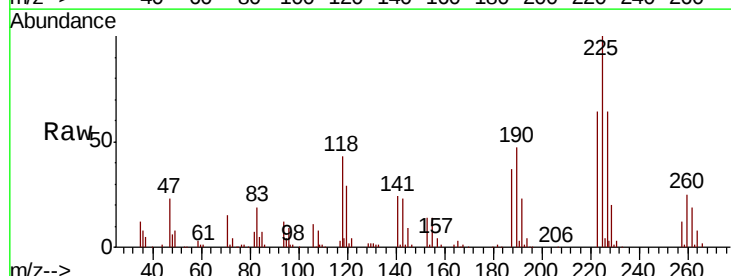


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

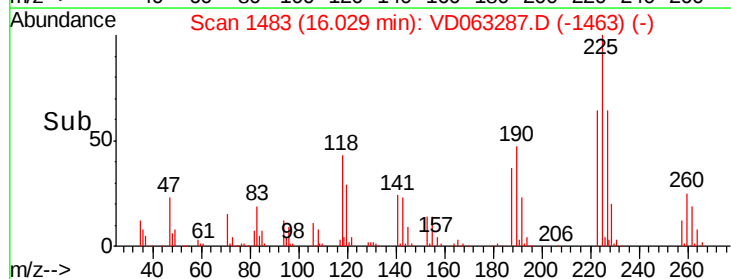
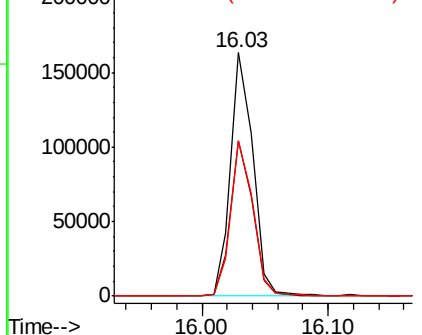


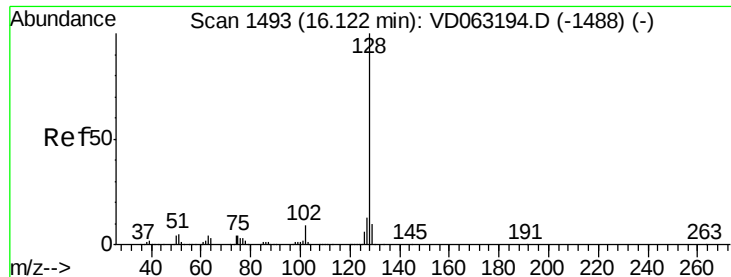
#94
 Hexachlorobutadiene
 Concen: 19.196 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: VD063287.D
 Acq: 1 Aug 2019 11:29

Tgt Ion:225 Resp: 200545
 Ion Ratio Lower Upper
 225 100
 223 63.7 30.9 92.5
 227 63.9 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

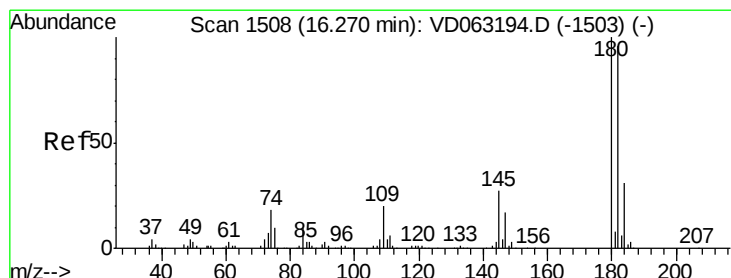
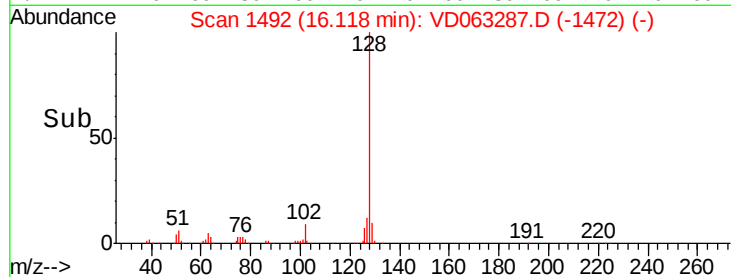
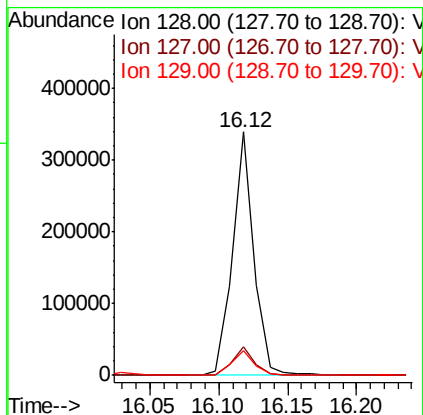
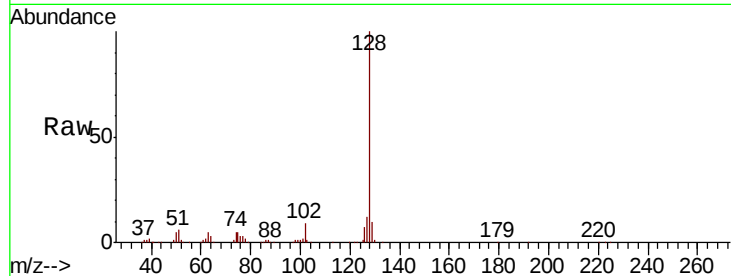




#95
Naphthalene
Concen: 17.825 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0801SBS01

Tot Ion:128 Resp: 363189
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.4
129 10.2 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 19.344 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD063287.D
Acq: 1 Aug 2019 11:29

Tgt Ion:180 Resp: 220298
Ion Ratio Lower Upper
180 100
182 94.7 48.3 144.9
145 27.1 13.6 40.7

