

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062809.D
 Acq On : 21 Jun 2019 11:58
 Operator : VA/AP
 Sample : VD0621SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

Quant Time: Jun 22 04:12:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	920206	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.25	114	1242152	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	956145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	604063	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	577082	57.69	ug/l	0.02
Spiked Amount	50.000		Recovery	=	115.38%	
35) Dibromofluoromethane	6.95	113	554365	52.93	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.86%	
50) Toluene-d8	10.43	98	1187041	52.07	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.14%	
62) 4-Bromofluorobenzene	13.57	95	538156	51.92	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	250927	21.072	ug/l	98
3) Chloromethane	1.76	50	181285	20.243	ug/l	96
4) Vinyl Chloride	1.86	62	175233	19.735	ug/l	99
5) Bromomethane	2.16	94	74433	17.900	ug/l	96
6) Chloroethane	2.27	64	72905	18.136	ug/l	98
7) Trichlorofluoromethane	2.54	101	356733	19.852	ug/l	100
8) Diethyl Ether	2.89	74	45759	20.042	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	189523	19.468	ug/l	95
10) Methyl Iodide	3.31	142	221463	17.243	ug/l	99
11) Tert butyl alcohol	4.10	59	37340	81.965	ug/l #	88
12) 1,1-Dichloroethene	3.14	96	139722	19.132	ug/l	92
13) Acrolein	3.05	56	41919	90.134	ug/l	96
14) Allyl chloride	3.63	41	202927	18.805	ug/l	97
15) Acrylonitrile	4.23	53	110371	103.108	ug/l	94
16) Acetone	3.25	43	192739	90.558	ug/l #	91
17) Carbon Disulfide	3.38	76	449271	19.249	ug/l #	94
18) Methyl Acetate	3.67	43	69086	22.880	ug/l	97
19) Methyl tert-butyl Ether	4.27	73	335826	21.242	ug/l	100
20) Methylene Chloride	3.84	84	146153	19.159	ug/l	98
21) trans-1,2-Dichloroethene	4.24	96	150161	19.311	ug/l	91
22) Diisopropyl ether	5.15	45	438703	19.991	ug/l	96
23) Vinyl Acetate	5.09	43	1369646	99.740	ug/l	99
24) 1,1-Dichloroethane	5.01	63	261717	18.317	ug/l	98
25) 2-Butanone	6.10	43	197635	105.644	ug/l #	92
26) 2,2-Dichloropropane	6.04	77	307755	20.321	ug/l	90
27) cis-1,2-Dichloroethene	6.06	96	161751	19.670	ug/l	96
28) Bromochloromethane	6.46	49	101561	20.182	ug/l	96
29) Tetrahydrofuran	6.48	42	92693	104.722	ug/l	94
30) Chloroform	6.69	83	337662	19.432	ug/l	96
31) Cyclohexane	6.98	56	169157	18.009	ug/l	90
32) 1,1,1-Trichloroethane	6.90	97	336501	18.592	ug/l	91
36) 1,1-Dichloropropene	7.17	75	224488	19.091	ug/l	96
37) Ethyl Acetate	6.21	43	97975	19.156	ug/l	97
38) Carbon Tetrachloride	7.13	117	340992	19.282	ug/l	92

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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Quant Time: Jun 22 04:12:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	186586	18.027	ug/l	85
40) Benzene	7.48	78	456144	19.325	ug/l	91
41) Methacrylonitrile	6.47	41	121179	19.542	ug/l	96
42) 1,2-Dichloroethane	7.61	62	257719	20.015	ug/l	100
43) Isopropyl Acetate	9.26	43	124314	20.165	ug/l #	95
44) Trichloroethene	8.56	130	181286	19.591	ug/l	92
45) 1,2-Dichloropropane	8.95	63	111938	19.072	ug/l	95
46) Dibromomethane	9.08	93	99491	19.734	ug/l	98
47) Bromodichloromethane	9.40	83	270215	20.637	ug/l #	99
48) Methyl methacrylate	9.14	41	89849	20.510	ug/l	99
49) 1,4-Dioxane	9.12	88	14506	398.003	ug/l #	82
51) 4-Methyl-2-Pentanone	10.32	43	450390	103.047	ug/l	94
52) Toluene	10.53	92	303626	19.137	ug/l	100
53) t-1,3-Dichloropropene	10.93	75	207799	19.390	ug/l	95
54) cis-1,3-Dichloropropene	10.06	75	222018	19.060	ug/l	99
55) 1,1,2-Trichloroethane	11.21	97	107724	19.762	ug/l	96
56) Ethyl methacrylate	11.06	69	112572	19.324	ug/l	95
57) 1,3-Dichloropropane	11.43	76	166287	19.923	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	323267	108.091	ug/l	99
59) 2-Hexanone	11.55	43	342486	110.025	ug/l	100
60) Dibromochloromethane	11.70	129	201788	19.874	ug/l	97
61) 1,2-Dibromoethane	11.82	107	123986	19.259	ug/l	99
64) Tetrachloroethene	11.28	164	163851	20.822	ug/l	97
65) Chlorobenzene	12.41	112	375559	21.164	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	170606	20.558	ug/l	97
67) Ethyl Benzene	12.54	91	663072	20.813	ug/l	96
68) m/p-Xylenes	12.69	106	475340	42.838	ug/l	95
69) o-Xylene	13.06	106	227071	22.385	ug/l	86
70) Styrene	13.09	104	383336	21.515	ug/l	94
71) Bromoform	13.25	173	124672	21.927	ug/l	97
73) Isopropylbenzene	13.41	105	689694	17.807	ug/l	98
74) N-amyl acetate	13.28	43	186242	19.801	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	123066	19.501	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	135361	19.411	ug/l	98
77) Bromobenzene	13.68	156	187103	17.960	ug/l	90
78) n-propylbenzene	13.79	91	788090	17.482	ug/l	97
79) 2-Chlorotoluene	13.85	91	461105	17.898	ug/l	96
80) 1,3,5-Trimethylbenzene	13.95	105	622173	19.124	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	35849	19.615	ug/l	88
82) 4-Chlorotoluene	13.96	91	601558	19.395	ug/l	95
83) tert-Butylbenzene	14.20	119	689698	19.019	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	624538	18.730	ug/l	97
85) sec-Butylbenzene	14.38	105	744881	18.899	ug/l	96
86) p-Isopropyltoluene	14.50	119	717673	19.904	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	355116	19.016	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	369627	19.707	ug/l	98
89) n-Butylbenzene	14.81	91	643759	19.076	ug/l	96
90) Hexachloroethane	15.02	117	179902	18.557	ug/l	92
91) 1,2-Dichlorobenzene	14.82	146	313014	19.591	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	23874	19.383	ug/l #	49

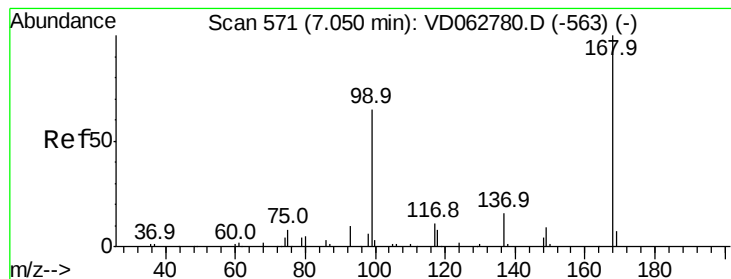
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
Data File : VD062809.D
Acq On : 21 Jun 2019 11:58
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Sample : VD0621SBSD01
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	235008	18.829	ug/l	99
94) Hexachlorobutadiene	16.04	225	178224	18.692	ug/l	99
95) Naphthalene	16.13	128	339297	19.396	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	181798	18.958	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

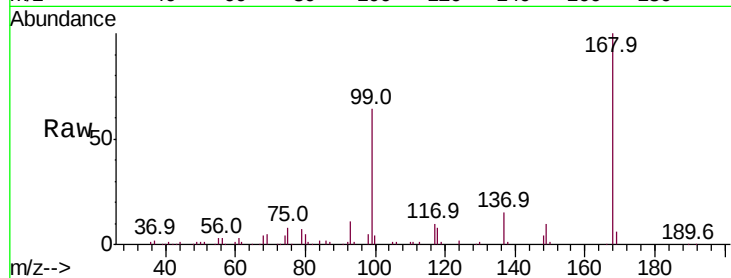
VD0621SBSD01

Tot Ion:168 Resp: 920206

Ion Ratio Lower Upper

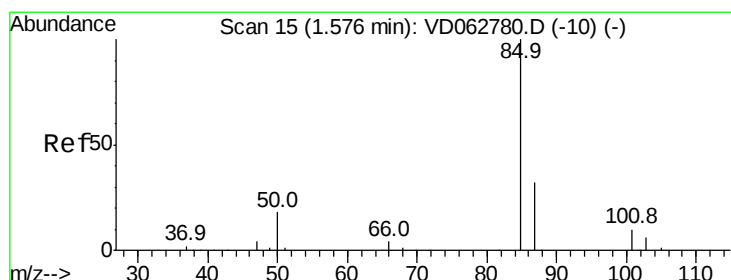
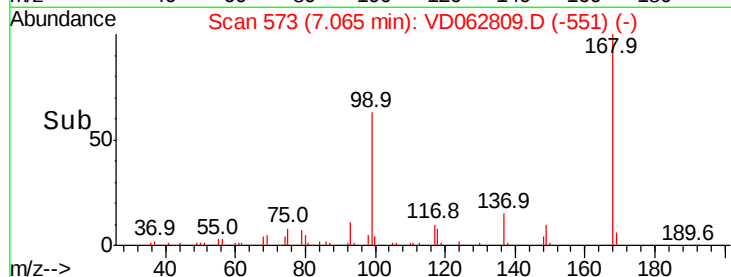
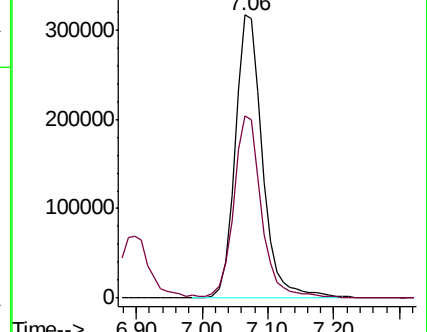
168 100

99 64.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.072 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062809.D

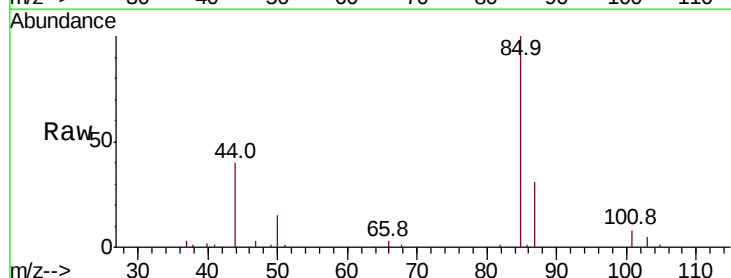
Acq: 21 Jun 2019 11:58

Tgt Ion: 85 Resp: 250927

Ion Ratio Lower Upper

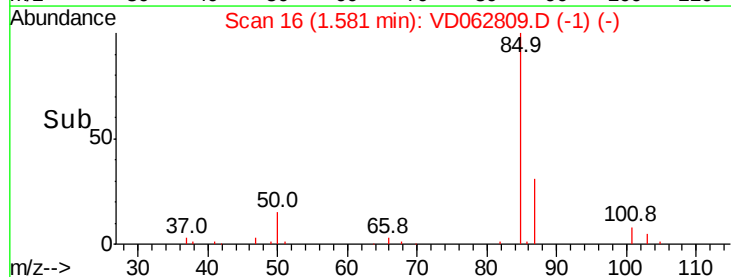
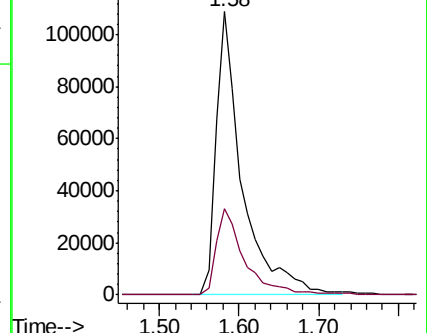
85 100

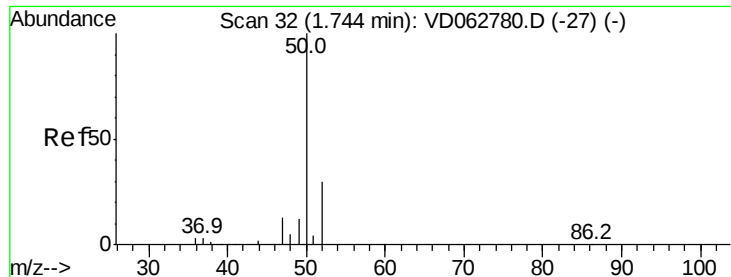
87 30.7 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.243 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

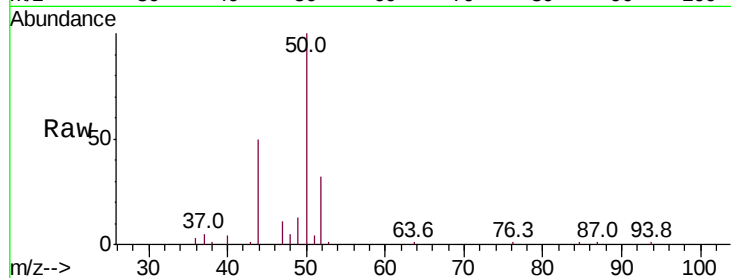
VD0621SBSD01

Tot Ion: 50 Resp: 181285

Ion Ratio Lower Upper

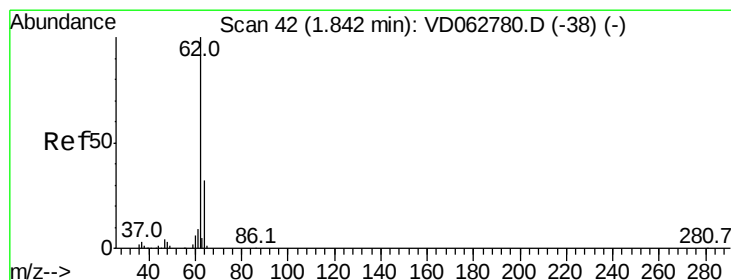
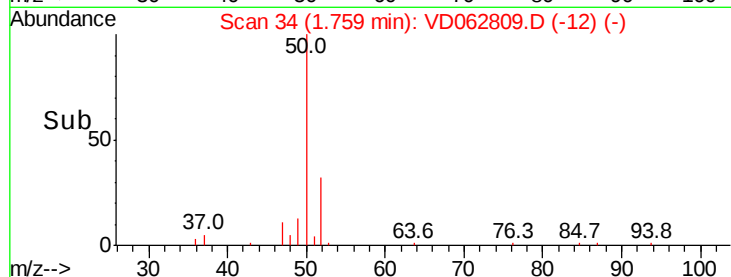
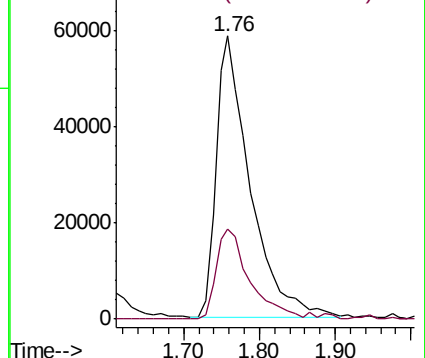
50 100

52 31.8 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.735 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062809.D

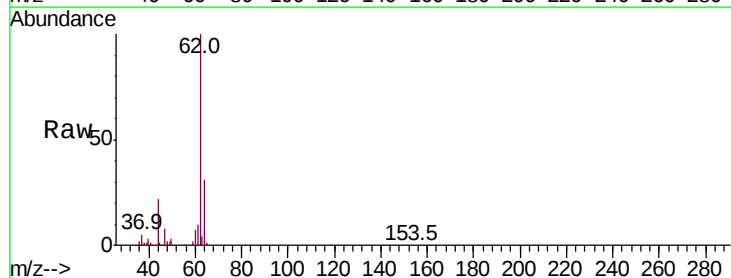
Acq: 21 Jun 2019 11:58

Tgt Ion: 62 Resp: 175233

Ion Ratio Lower Upper

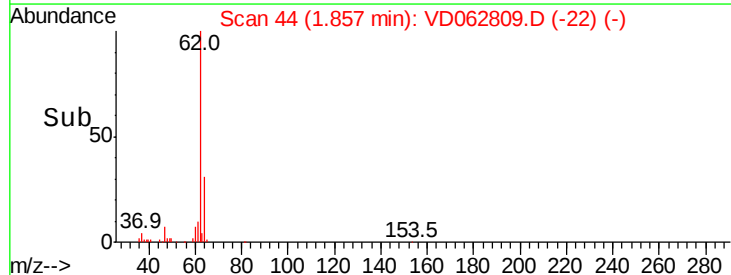
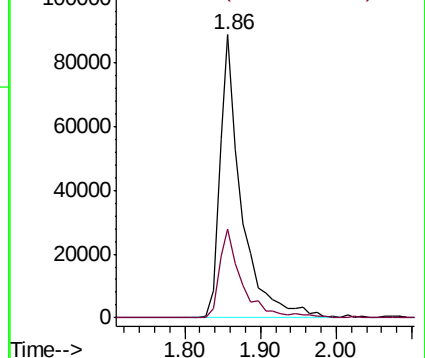
62 100

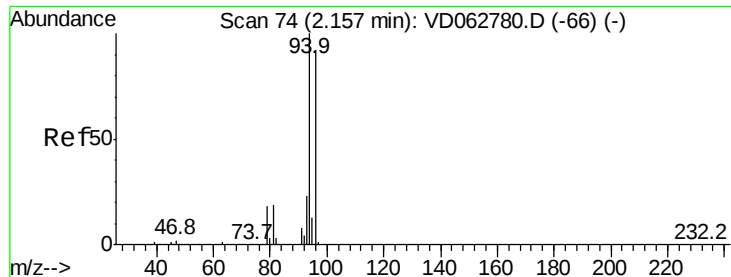
64 31.3 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.900 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

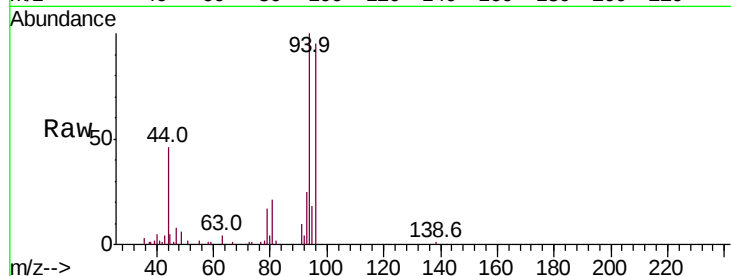
Tot Ion: 94 Resp: 74433

Ion Ratio Lower Upper

94 100

96 95.1 73.4 110.2

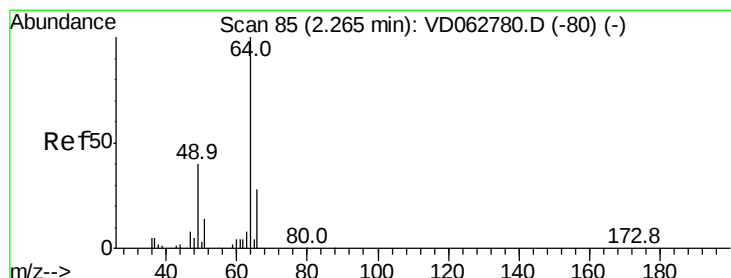
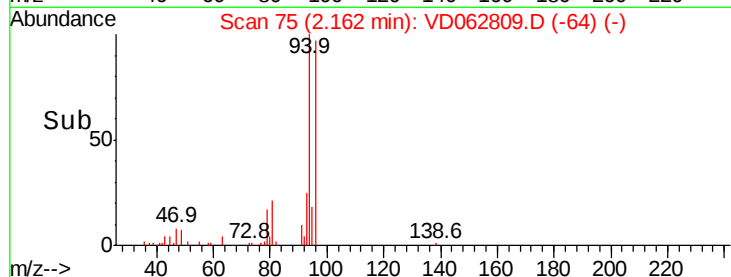
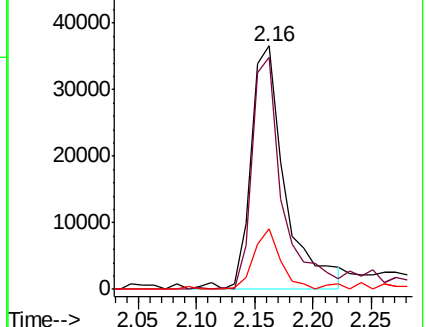
93 24.9 18.2 27.4



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: 18.136 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD062809.D

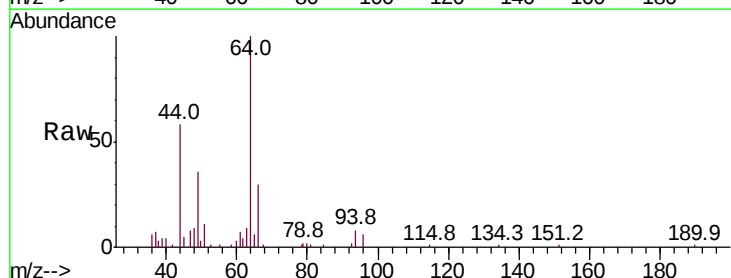
Acq: 21 Jun 2019 11:58

Tgt Ion: 64 Resp: 72905

Ion Ratio Lower Upper

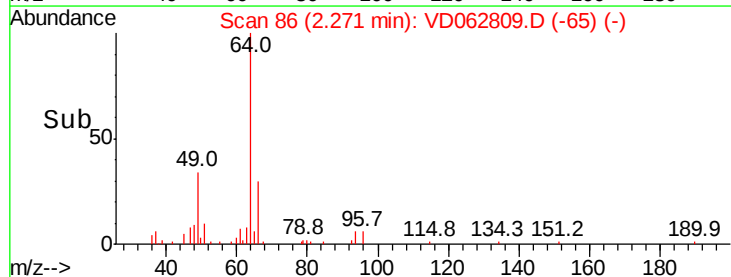
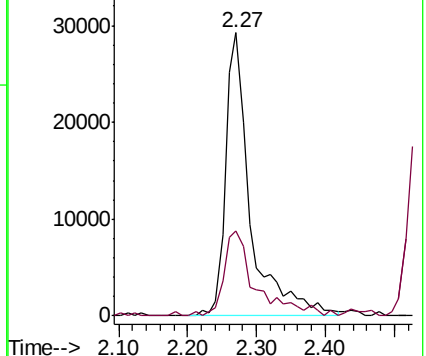
64 100

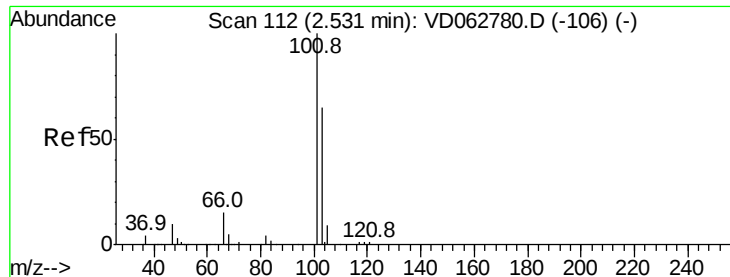
66 29.8 23.0 34.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



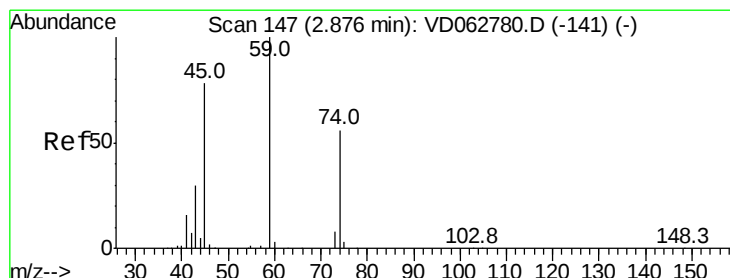
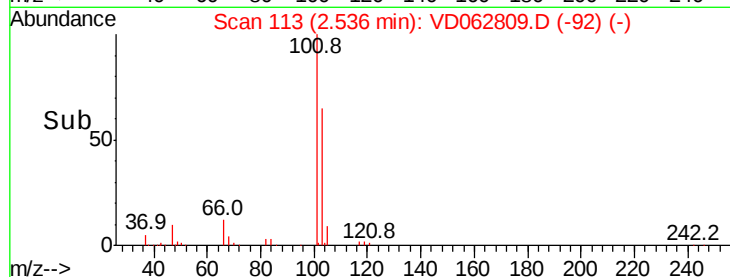
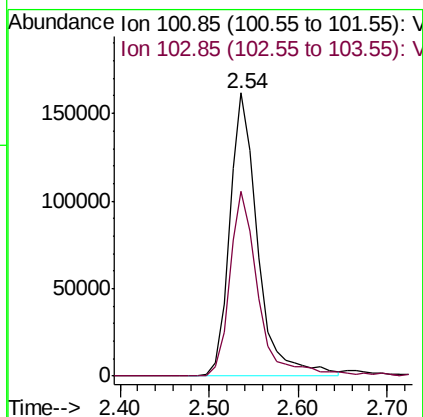
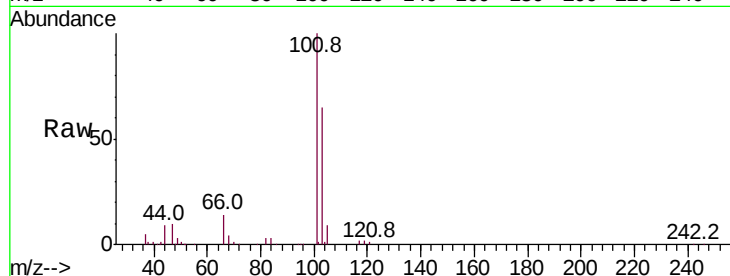


#7

Trichlorofluoromethane
Concen: 19.852 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

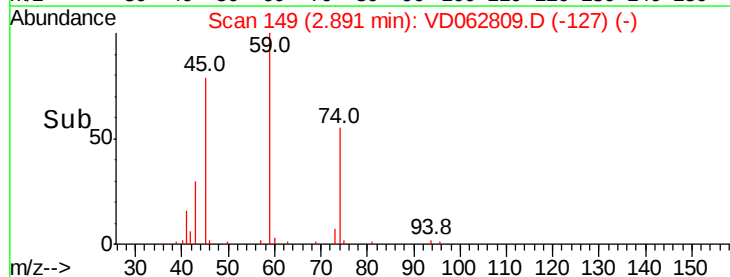
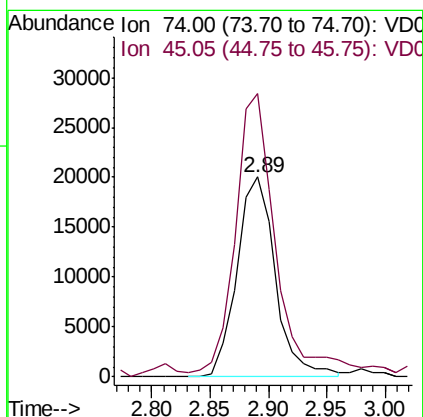
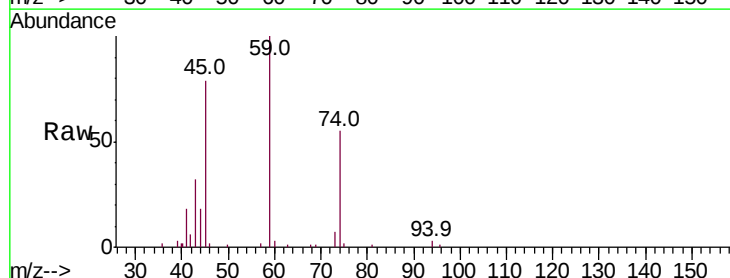
Tot Ion:101 Resp: 356733
Ion Ratio Lower Upper
101 100
103 65.1 51.8 77.8

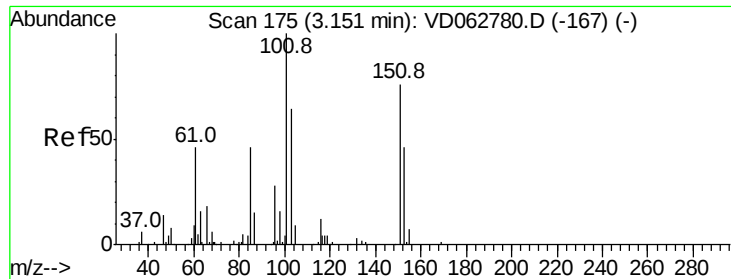


#8

Diethyl Ether
Concen: 20.042 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.02 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Tgt Ion: 74 Resp: 45759
Ion Ratio Lower Upper
74 100
45 141.8 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.468 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

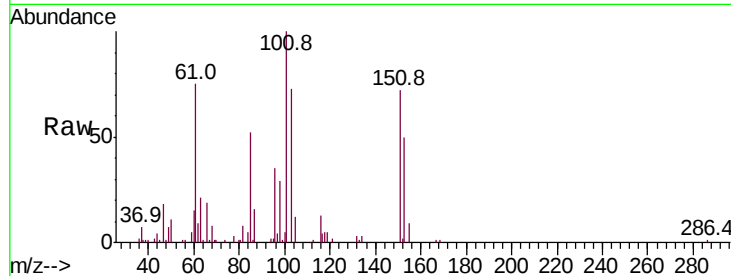
Tot Ion:101 Resp: 189523

Ion Ratio Lower Upper

101 100

85 51.5 37.0 55.4

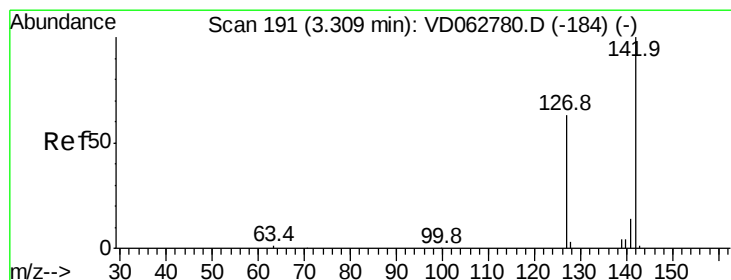
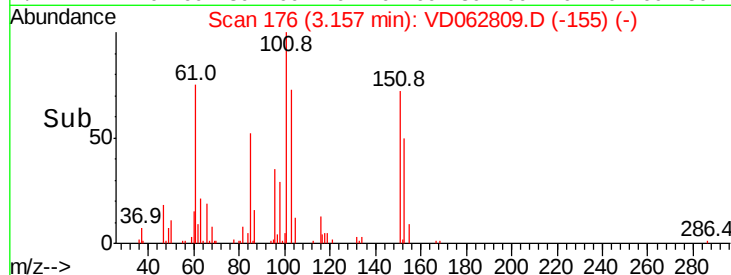
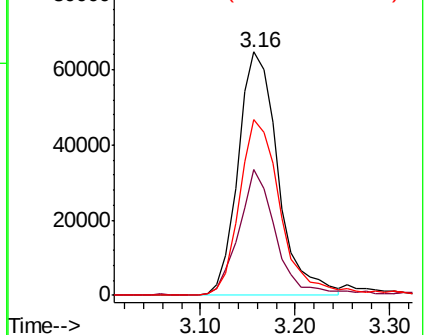
151 72.3 60.5 90.7



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: 17.243 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

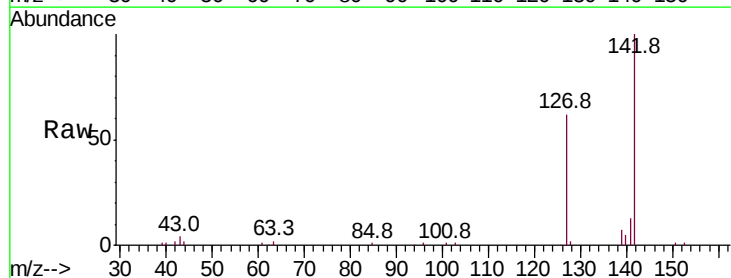
Tgt Ion:142 Resp: 221463

Ion Ratio Lower Upper

142 100

127 62.2 50.1 75.1

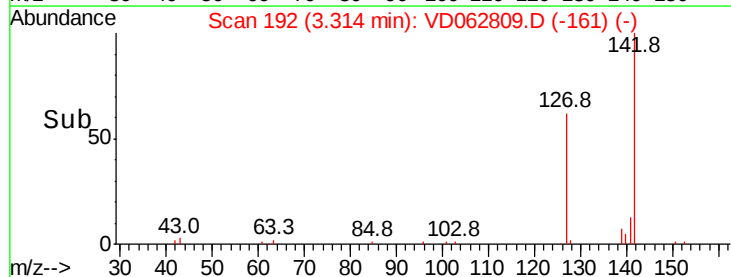
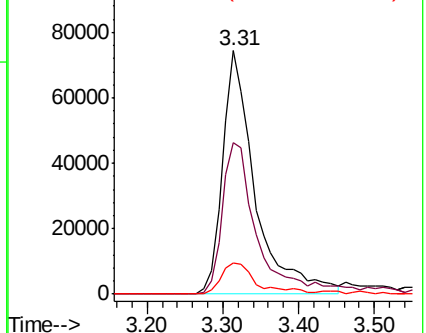
141 12.6 11.0 16.4

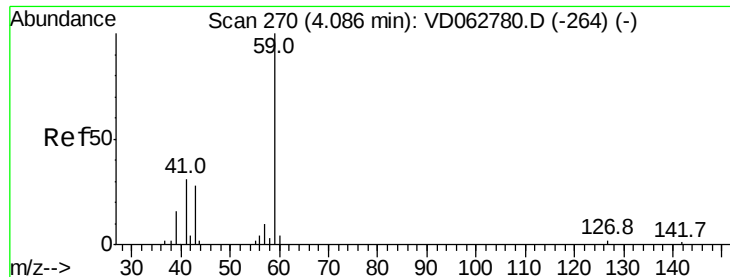


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 81.965 ug/l

RT: 4.10 min Scan# 272

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

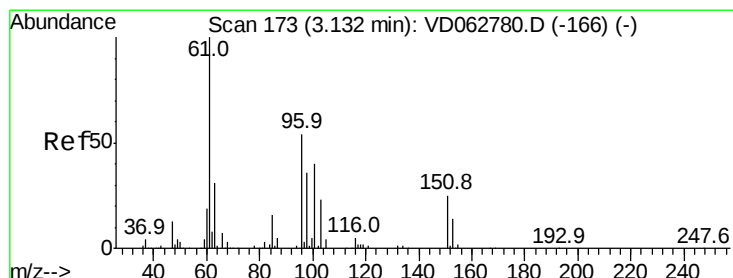
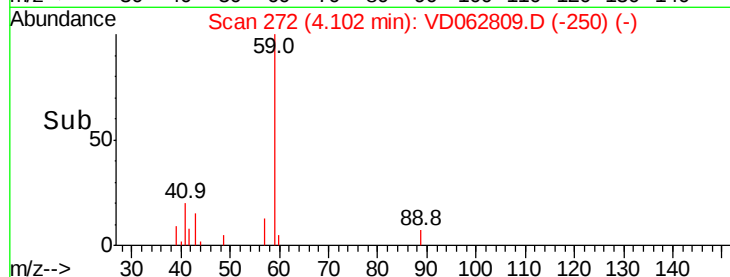
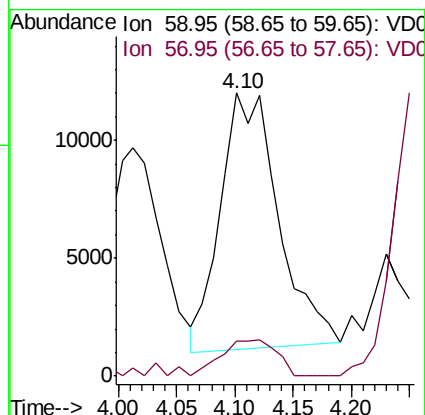
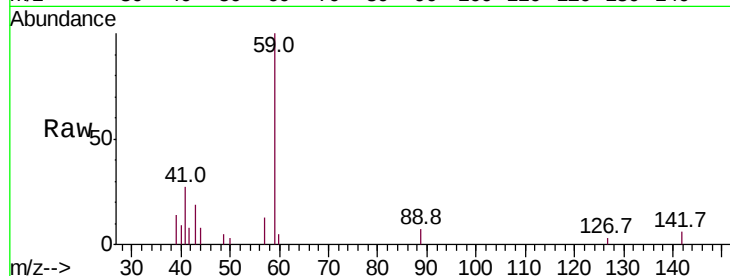
VD0621SBSD01

Tot Ion: 59 Resp: 37340

Ion Ratio Lower Upper

59 100

57 12.5 6.6 10.0#



#12

1,1-Dichloroethene

Concen: 19.132 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

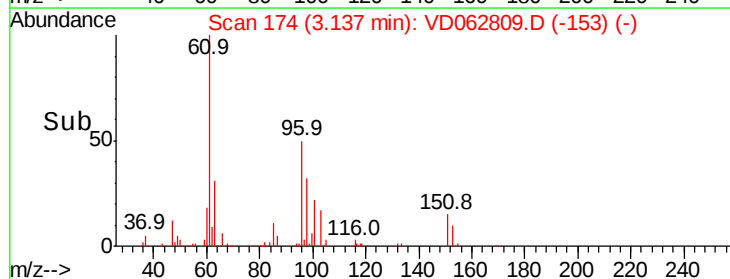
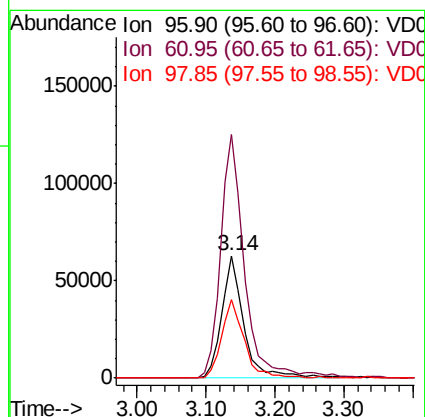
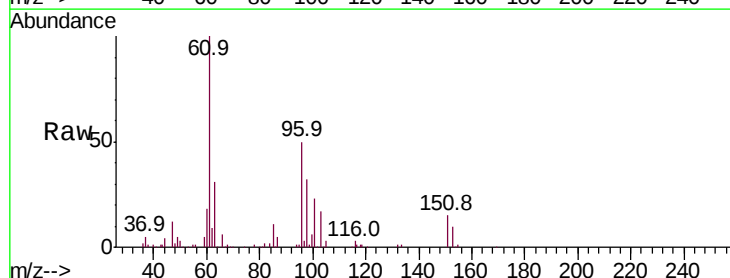
Tgt Ion: 96 Resp: 139722

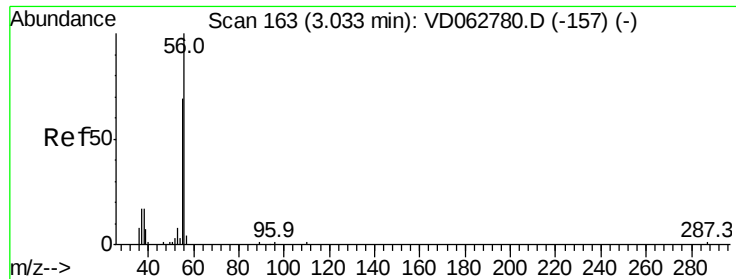
Ion Ratio Lower Upper

96 100

61 198.9 147.1 220.7

98 64.5 52.6 79.0





#13

Acrolein

Concen: 90.134 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

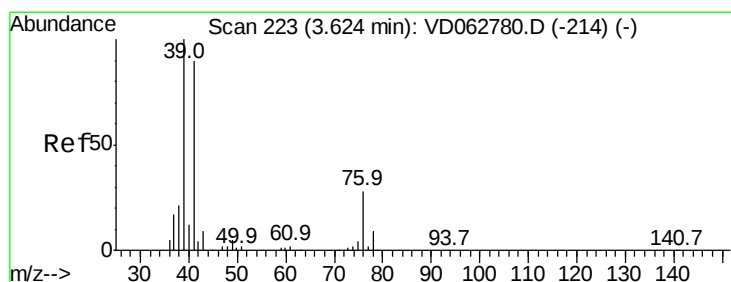
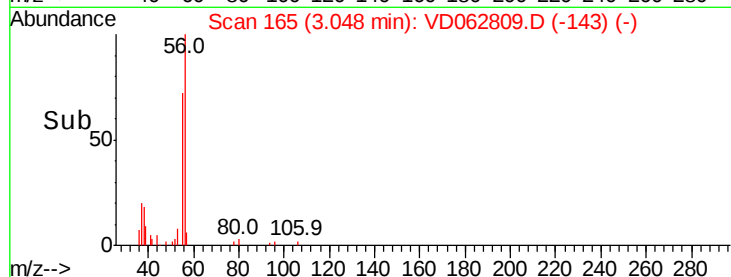
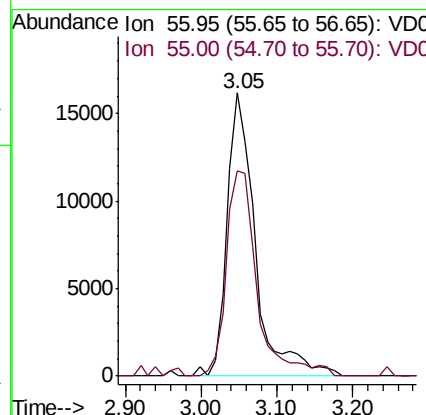
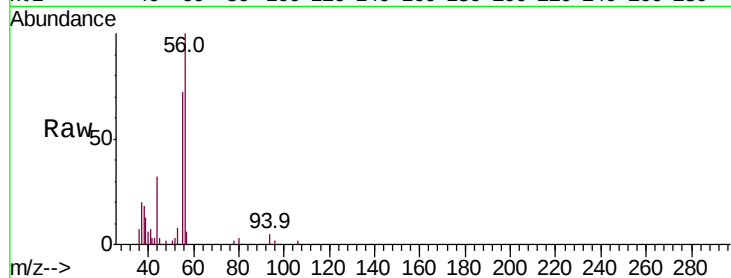
VD0621SBSD01

Tot Ion: 56 Resp: 41919

Ion Ratio Lower Upper

56 100

55 72.4 55.4 83.0



#14

Allyl chloride

Concen: 18.805 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

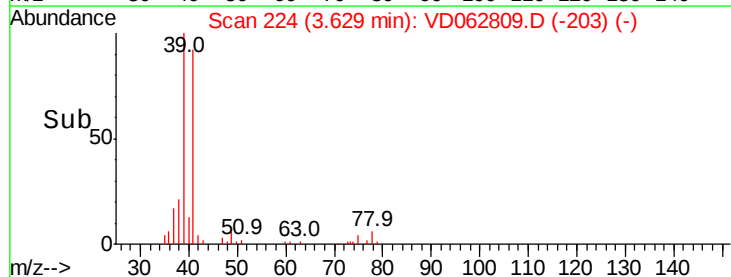
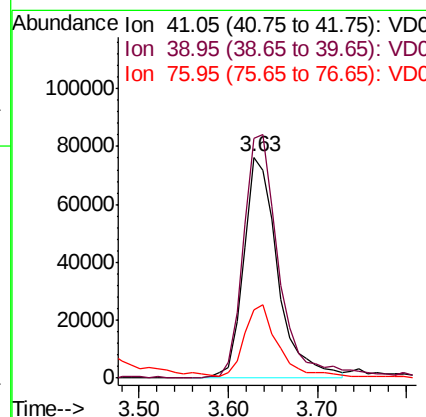
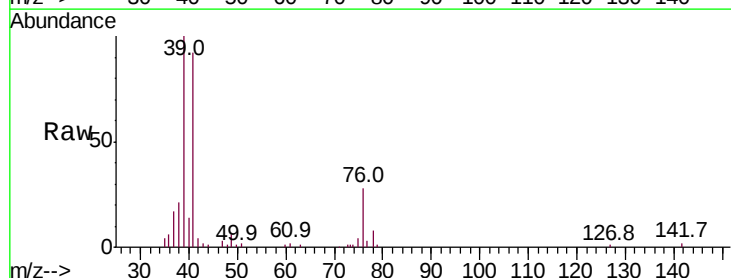
Tgt Ion: 41 Resp: 202927

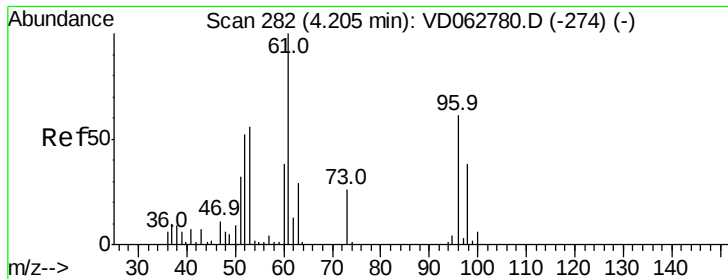
Ion Ratio Lower Upper

41 100

39 108.7 88.8 133.2

76 30.8 26.7 40.1





#15

Acrylonitrile

Concen: 103.108 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

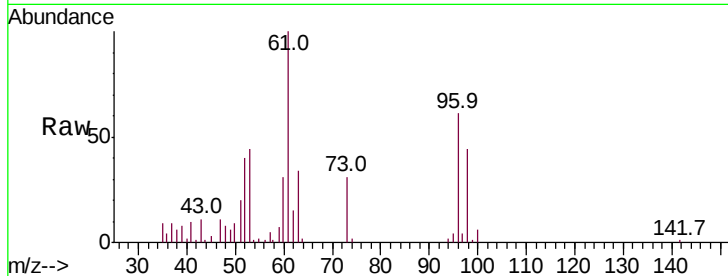
Tot Ion: 53 Resp: 110371

Ion Ratio Lower Upper

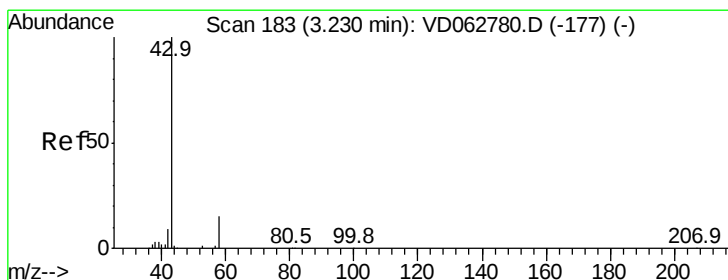
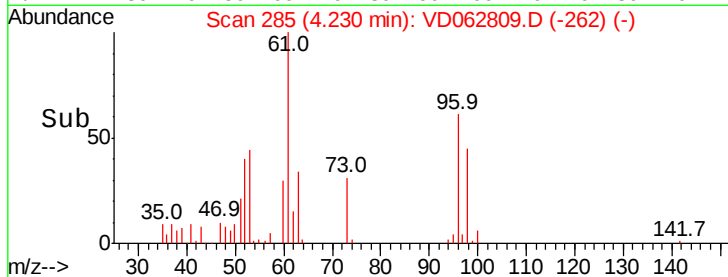
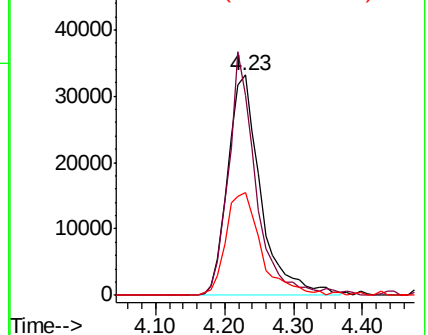
53 100

52 90.6 73.3 109.9

51 46.5 44.8 67.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 90.558 ug/l

RT: 3.25 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD062809.D

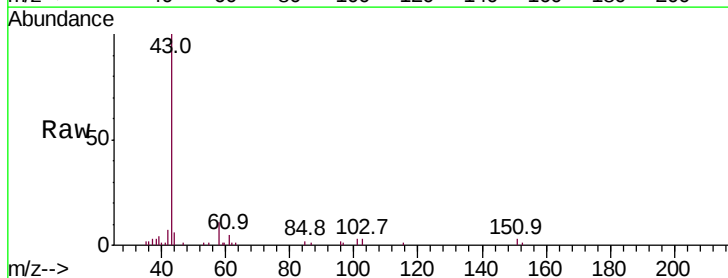
Acq: 21 Jun 2019 11:58

Tgt Ion: 43 Resp: 192739

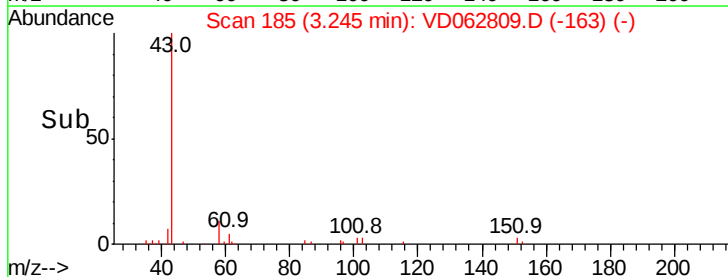
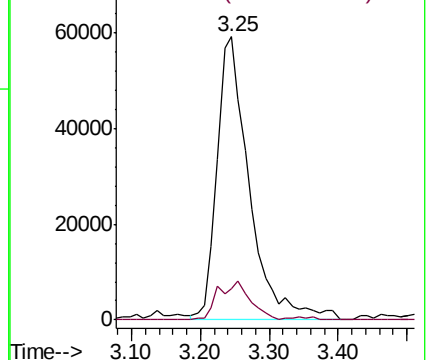
Ion Ratio Lower Upper

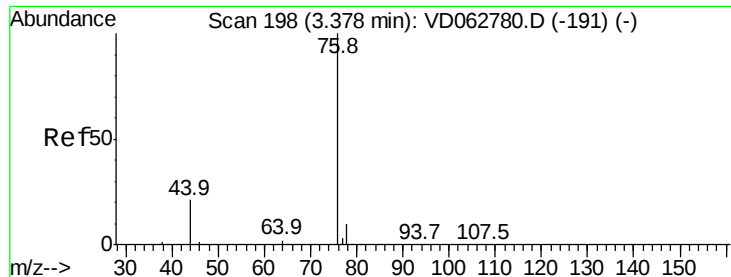
43 100

58 11.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 19.249 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

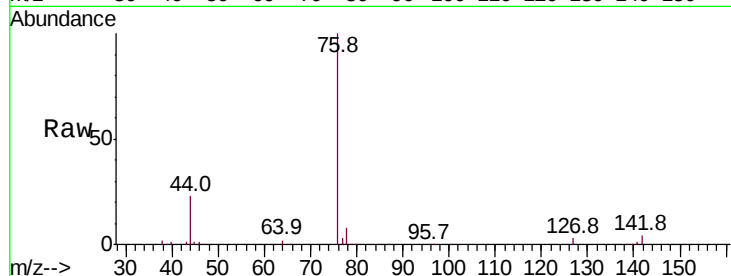
VD0621SBSD01

Tot Ion: 76 Resp: 449271

Ion Ratio Lower Upper

76 100

78 7.7 8.0 12.0#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

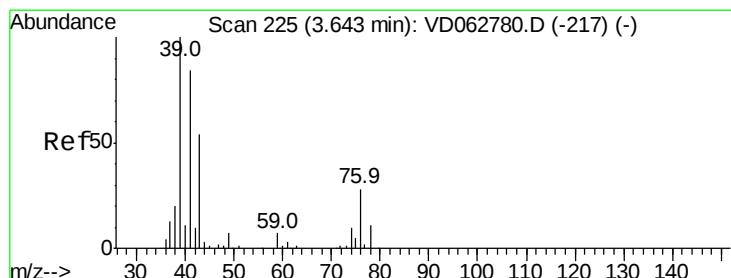
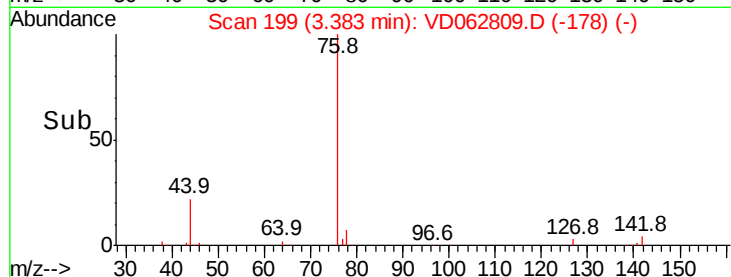
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.880 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.02 min

Lab File: VD062809.D

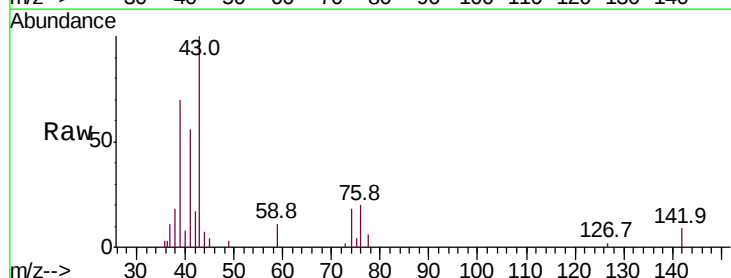
Acq: 21 Jun 2019 11:58

Tgt Ion: 43 Resp: 69086

Ion Ratio Lower Upper

43 100

74 17.5 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.67

25000

20000

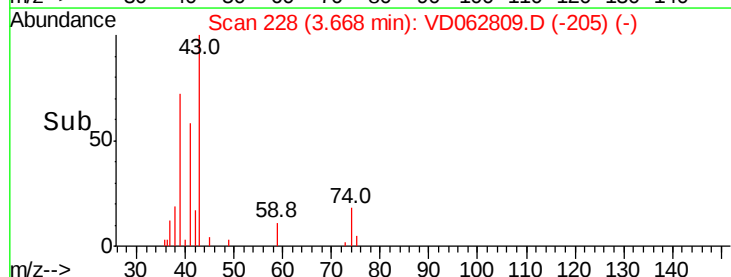
15000

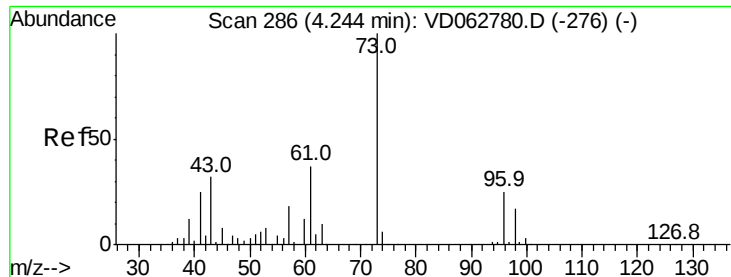
10000

5000

0

Time-->



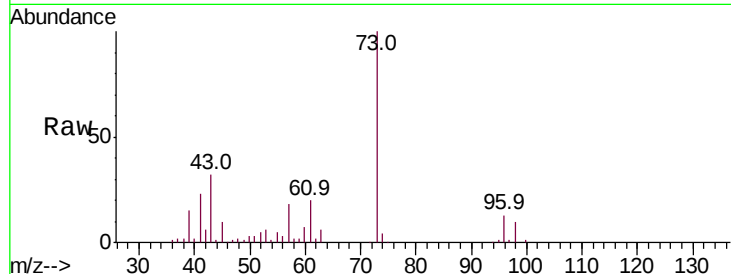


#19

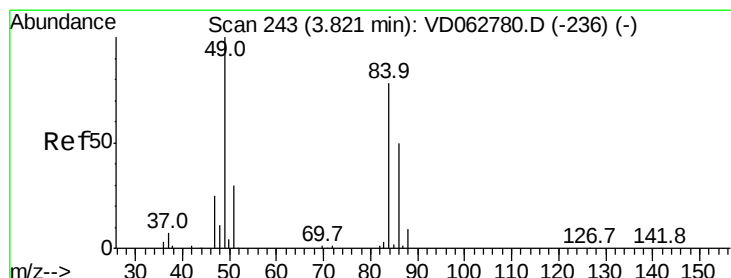
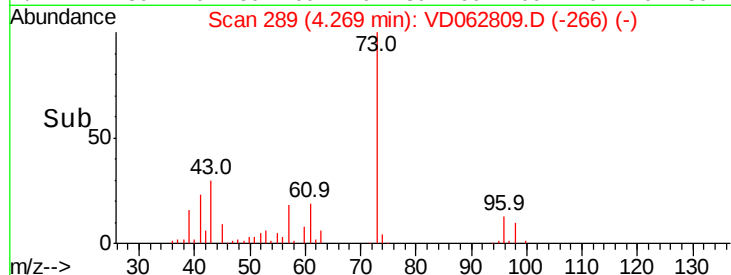
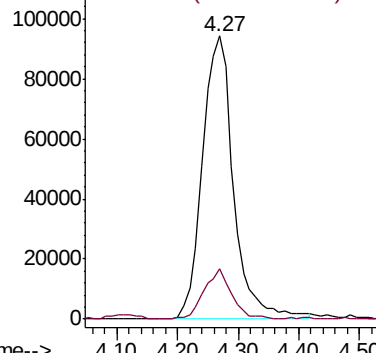
Methyl tert-butyl Ether
 Concen: 21.242 ug/l
 RT: 4.27 min Scan# 289
 Delta R.T. 0.02 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

Tot Ion: 73 Resp: 335826
 Ion Ratio Lower Upper
 73 100
 57 18.0 14.3 21.5



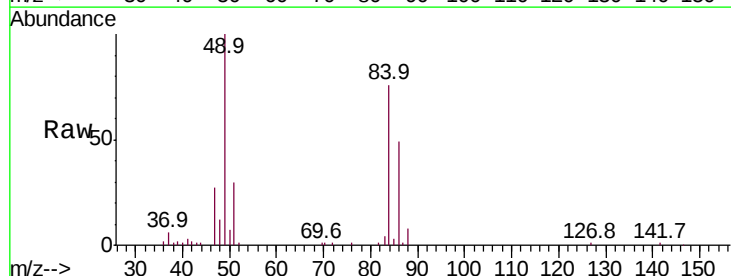
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



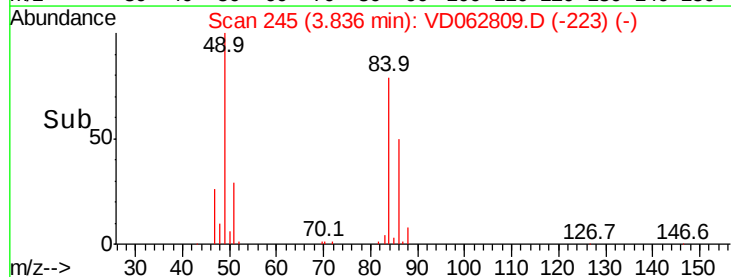
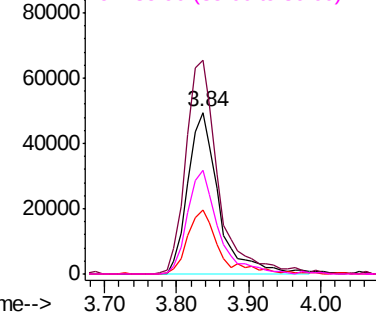
#20

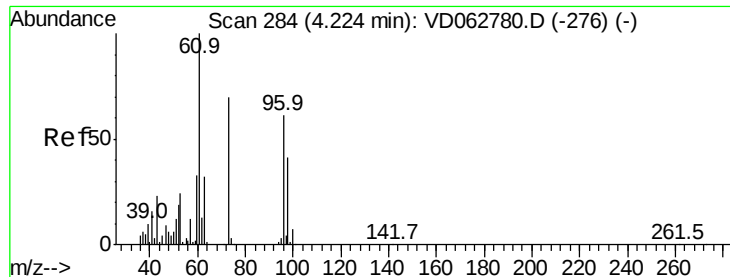
Methylene Chloride
 Concen: 19.159 ug/l
 RT: 3.84 min Scan# 245
 Delta R.T. 0.02 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

Tgt Ion: 84 Resp: 146153
 Ion Ratio Lower Upper
 84 100
 49 131.9 102.9 154.3
 51 39.8 31.2 46.8
 86 64.1 51.4 77.2



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 19.311 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

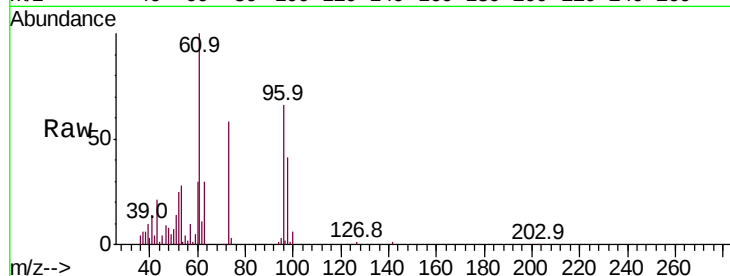
Tot Ion: 96 Resp: 150161

Ion Ratio Lower Upper

96 100

61 150.6 131.0 196.4

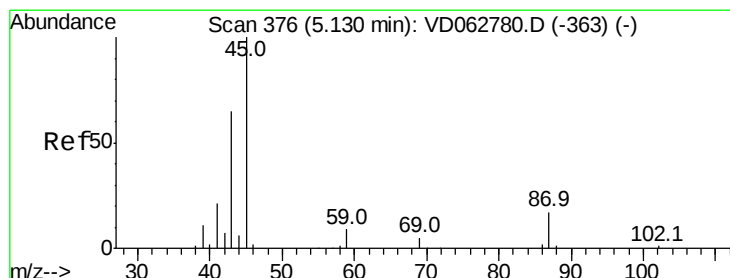
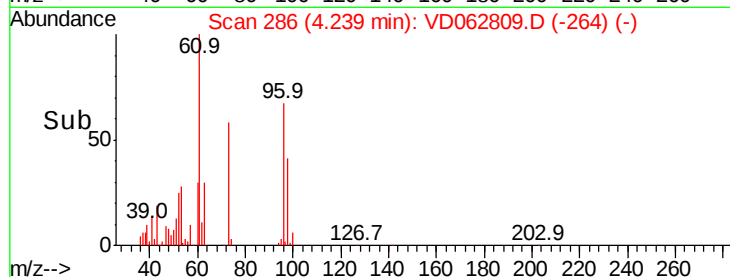
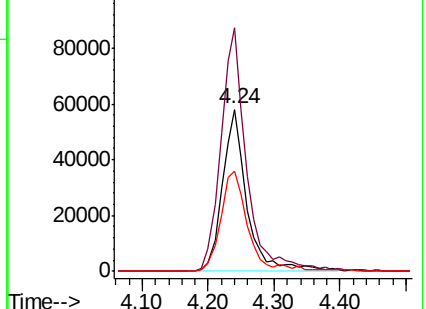
98 62.0 53.2 79.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.991 ug/l

RT: 5.15 min Scan# 379

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Tgt Ion: 45 Resp: 438703

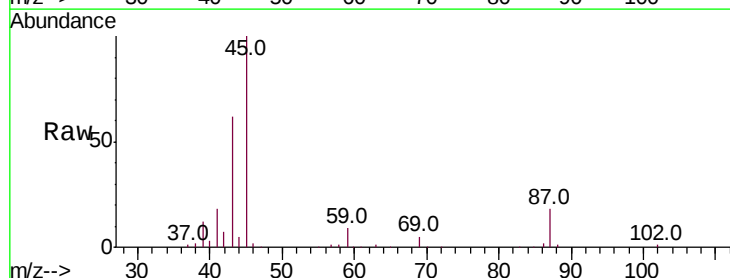
Ion Ratio Lower Upper

45 100

43 62.5 53.4 80.0

87 17.6 14.6 22.0

59 8.6 7.8 11.8

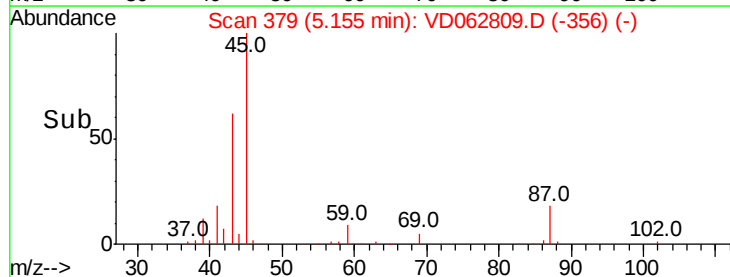
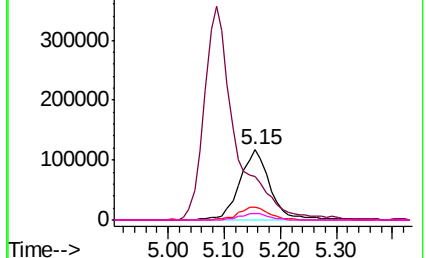


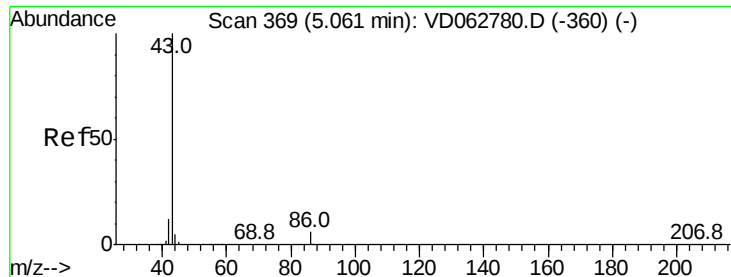
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 99.740 ug/l

RT: 5.09 min Scan# 372

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

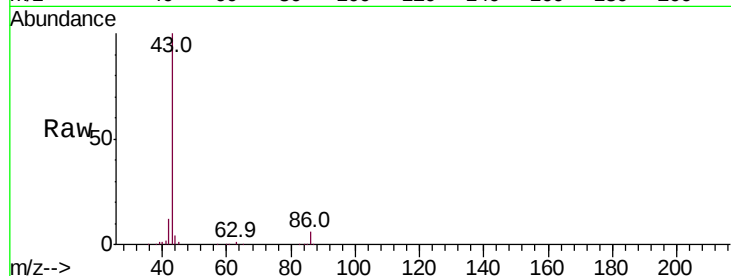
VD0621SBS01

Tot Ion: 43 Resp: 1369646

Ion Ratio Lower Upper

43 100

86 6.4 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.09

400000

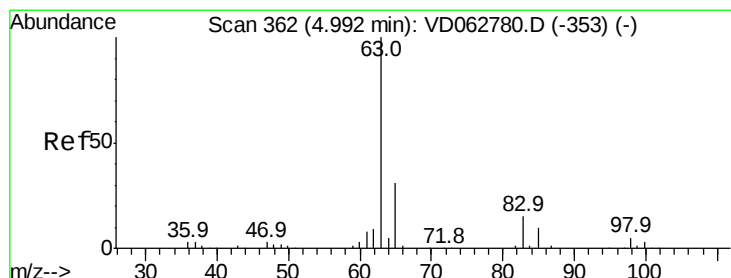
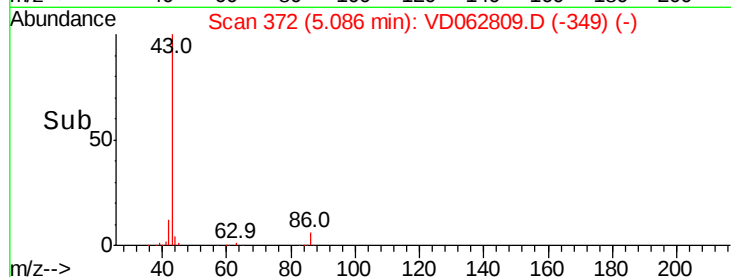
300000

200000

100000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 18.317 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

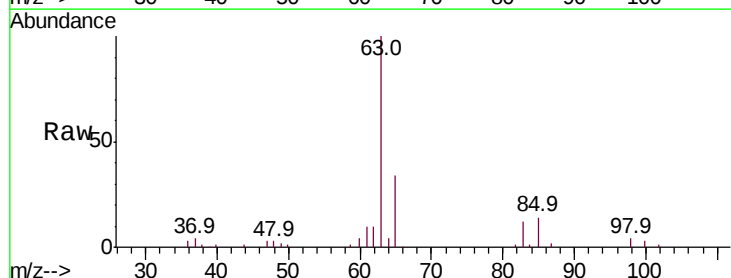
Tgt Ion: 63 Resp: 261717

Ion Ratio Lower Upper

63 100

98 4.2 2.3 6.9

100 2.6 1.7 5.1



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

5.01

100000

80000

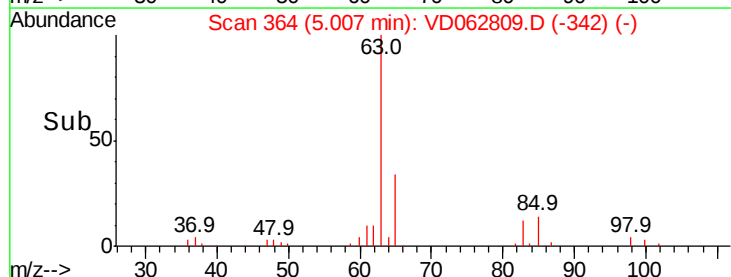
60000

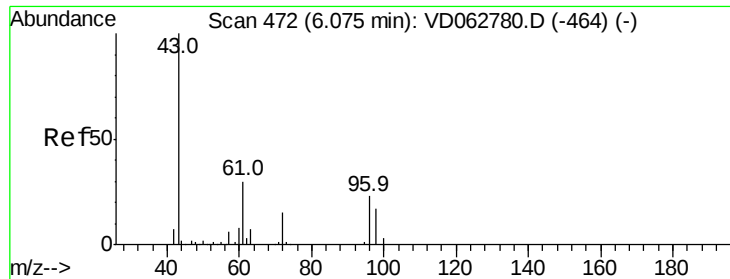
40000

20000

0

Time--> 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 105.644 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

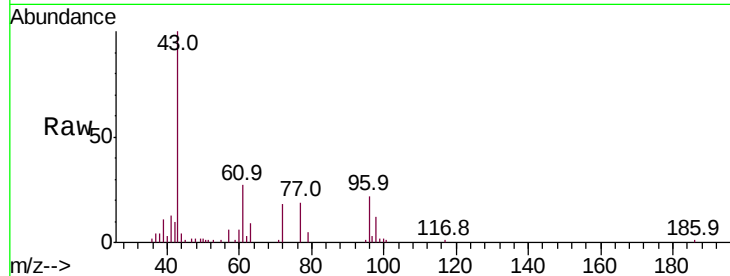
VD0621SBSD01

Tot Ion: 43 Resp: 197635

Ion Ratio Lower Upper

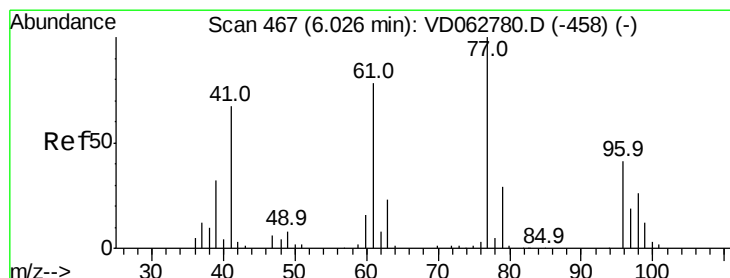
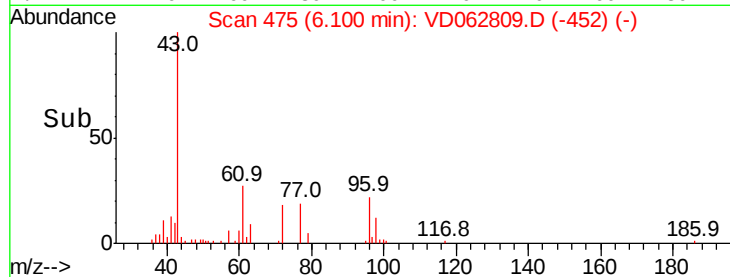
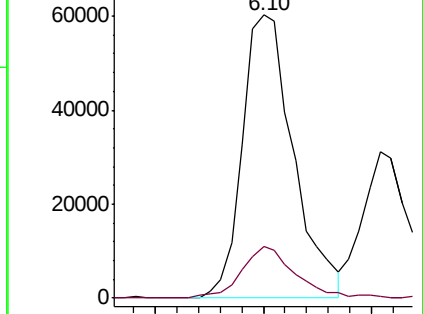
43 100

72 18.1 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.321 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD062809.D

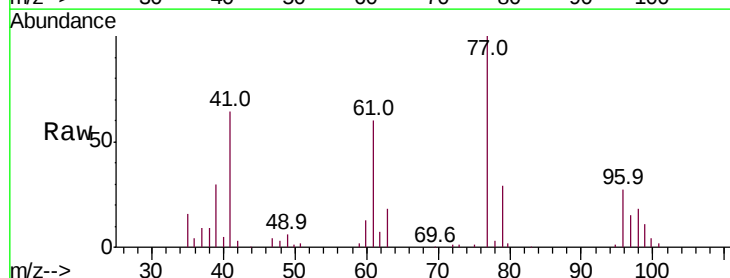
Acq: 21 Jun 2019 11:58

Tgt Ion: 77 Resp: 307755

Ion Ratio Lower Upper

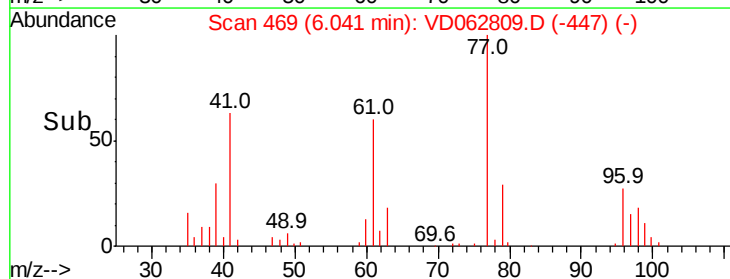
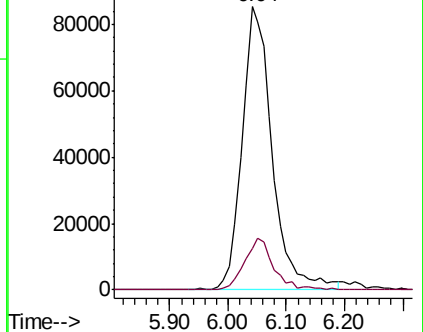
77 100

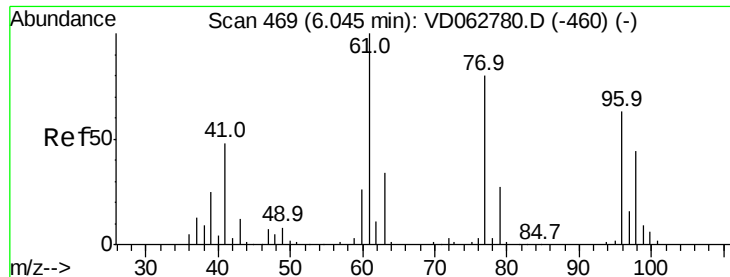
97 14.5 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



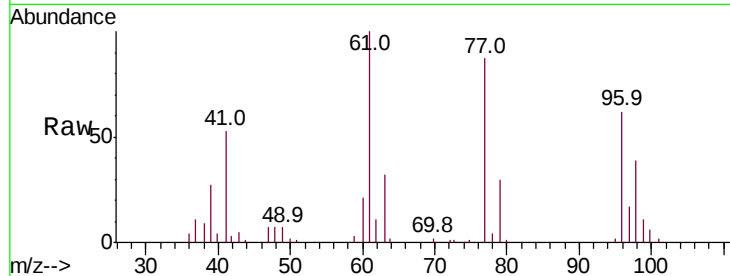


#27

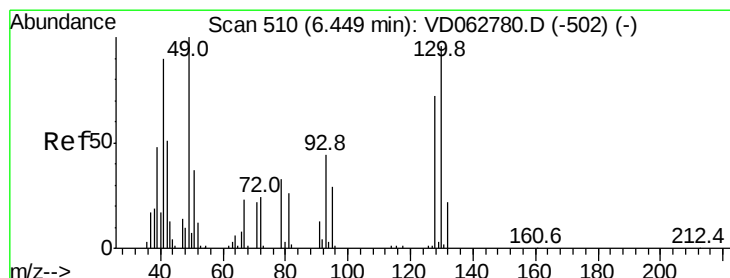
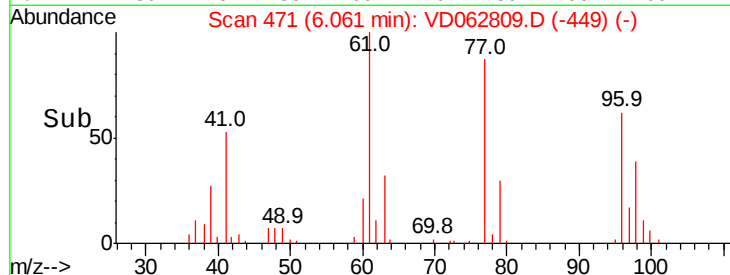
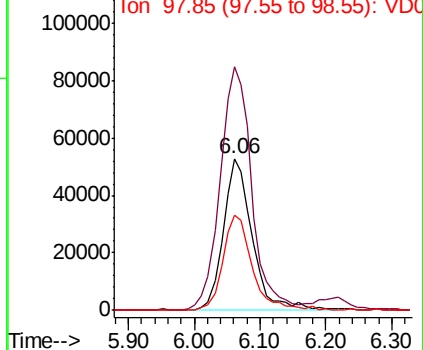
cis-1,2-Dichloroethene
 Concen: 19.670 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. 0.02 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

Tot Ion: 96 Resp: 161751
 Ion Ratio Lower Upper
 96 100
 61 160.6 0.0 316.0
 98 62.4 0.0 138.4



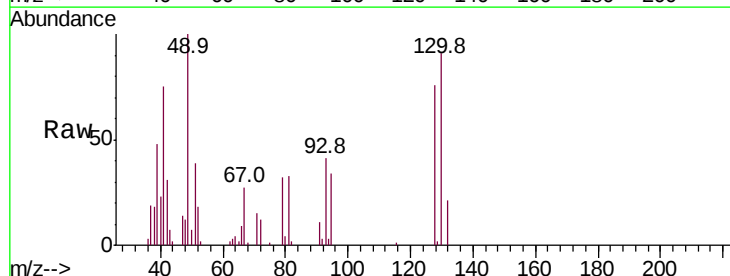
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



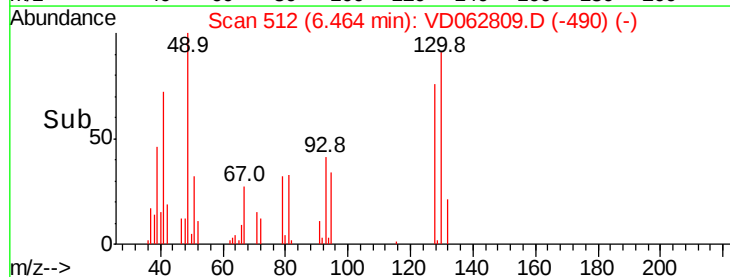
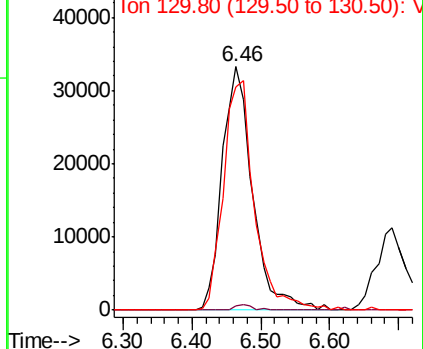
#28

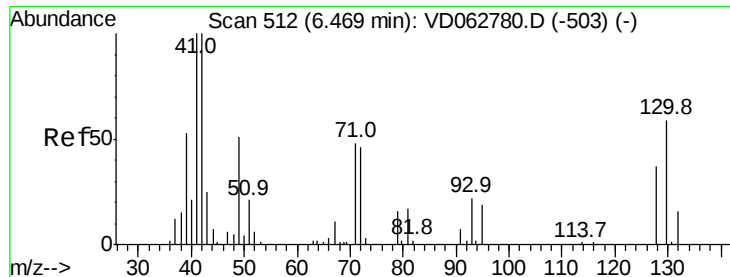
Bromochloromethane
 Concen: 20.182 ug/l
 RT: 6.46 min Scan# 512
 Delta R.T. 0.02 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

Tgt Ion: 49 Resp: 101561
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 5.6
 130 91.5 76.6 114.8



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





#29

Tetrahydrofuran

Concen: 104.722 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

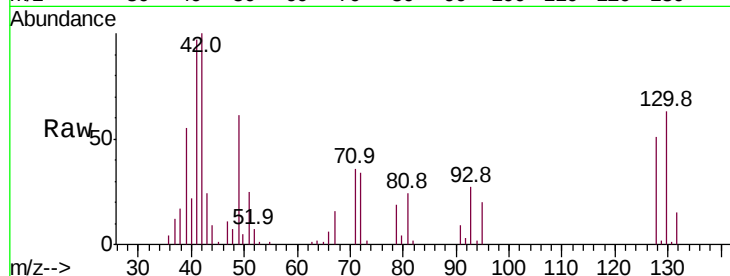
Tot Ion: 42 Resp: 92693

Ion Ratio Lower Upper

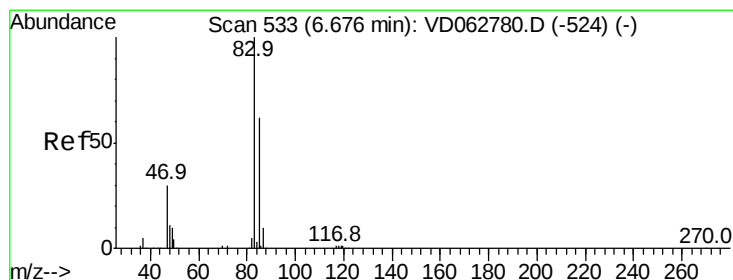
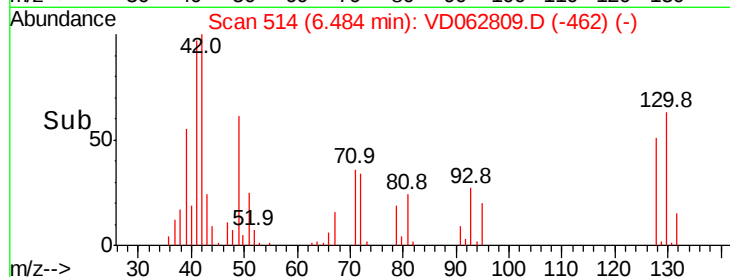
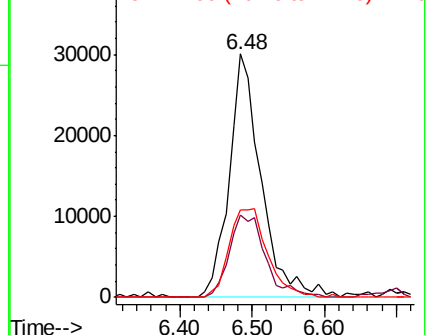
42 100

72 38.1 35.0 52.6

71 43.8 33.3 49.9



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



#30

Chloroform

Concen: 19.432 ug/l

RT: 6.69 min Scan# 535

Delta R.T. 0.02 min

Lab File: VD062809.D

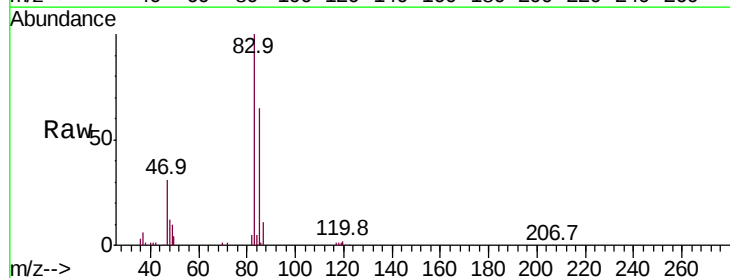
Acq: 21 Jun 2019 11:58

Tgt Ion: 83 Resp: 337662

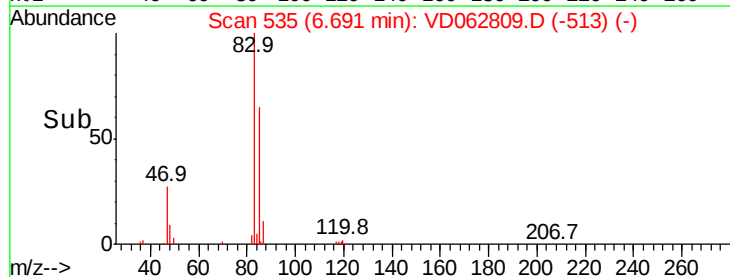
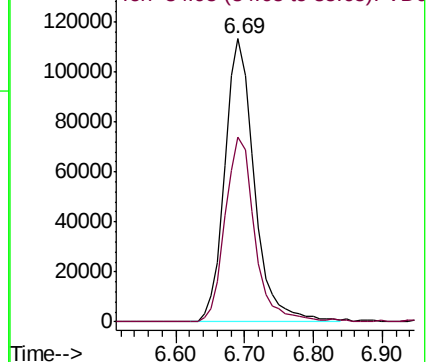
Ion Ratio Lower Upper

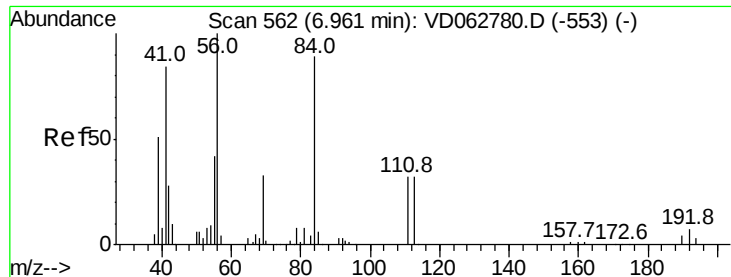
83 100

85 65.2 49.8 74.6



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

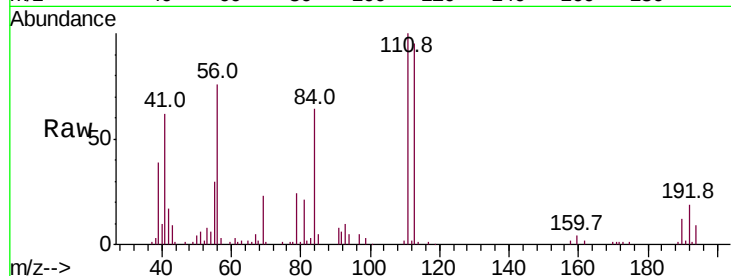




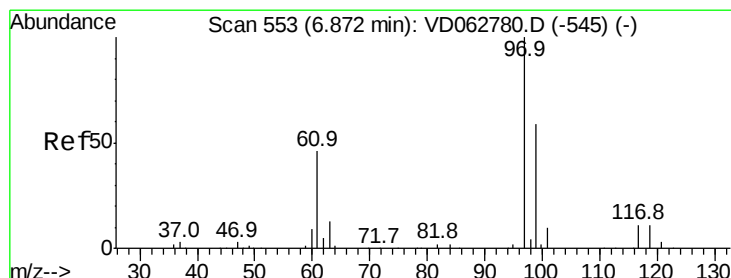
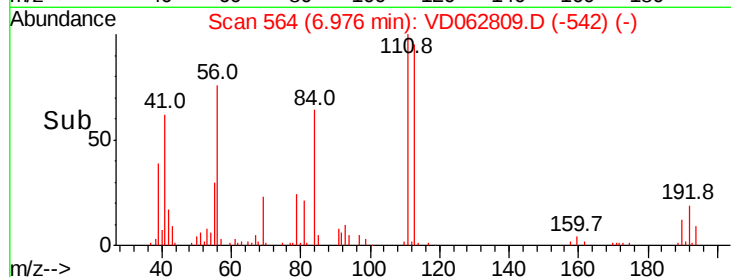
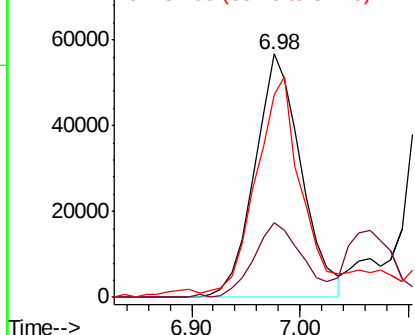
#31
Cyclohexane
Concen: 18.009 ug/l
RT: 6.98 min Scan# 564
Delta R.T. 0.02 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

Tot Ion: 56 Resp: 169157
Ion Ratio Lower Upper
56 100
69 30.6 26.6 39.8
84 83.5 75.5 113.3

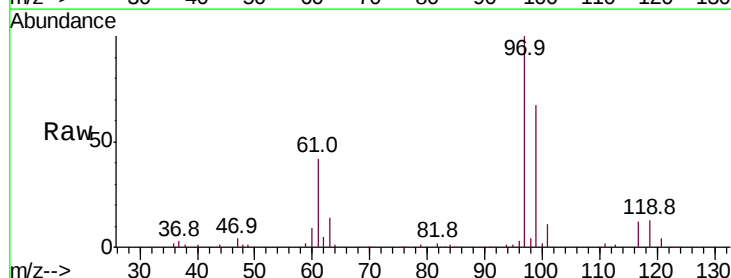


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

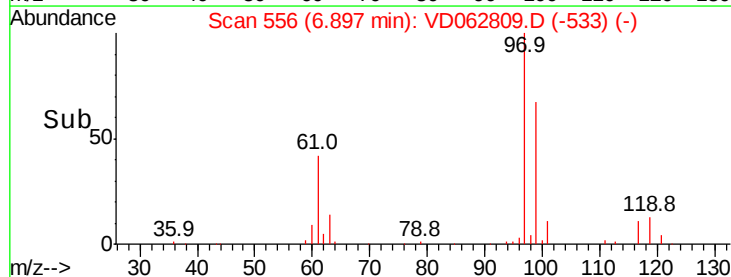
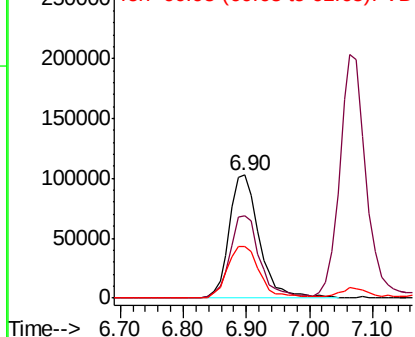


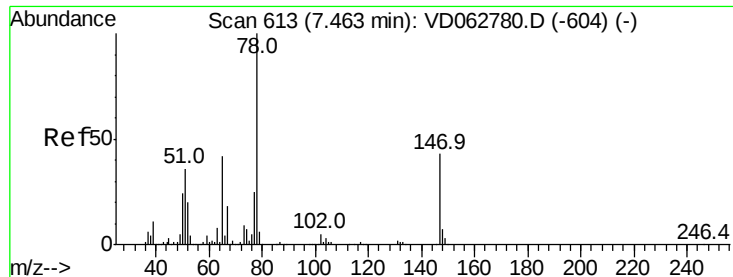
#32
1,1,1-Trichloroethane
Concen: 18.592 ug/l
RT: 6.90 min Scan# 556
Delta R.T. 0.02 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Tgt Ion: 97 Resp: 336501
Ion Ratio Lower Upper
97 100
99 66.9 47.4 71.2
61 42.0 37.2 55.8



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: 57.694 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

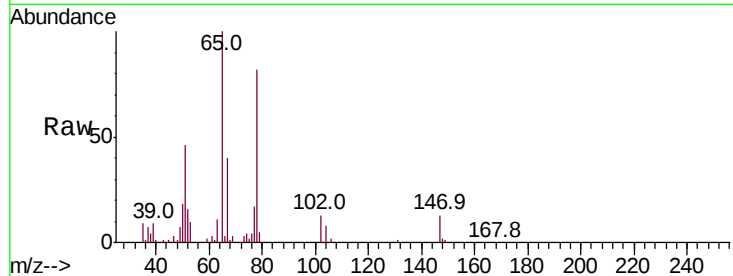
VD0621SBSD01

Tot Ion: 65 Resp: 577082

Ion Ratio Lower Upper

65 100

67 40.1 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.48

200000

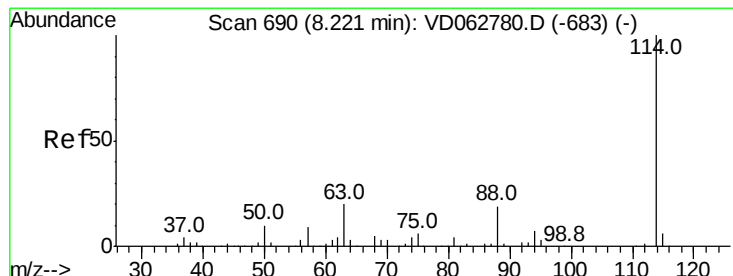
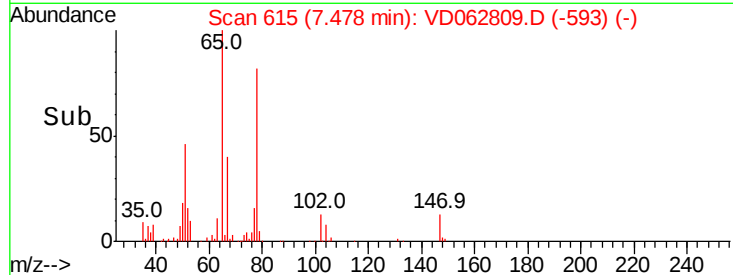
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.25 min Scan# 693

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

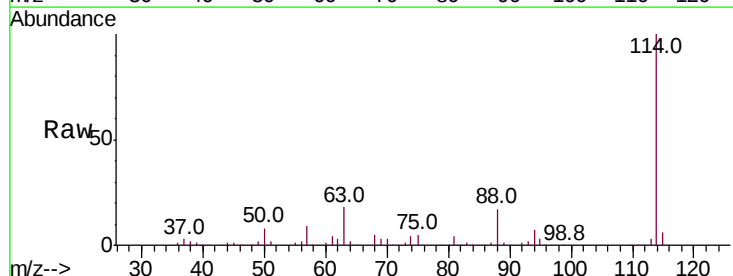
Tgt Ion: 114 Resp: 1242152

Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.0

88 16.8 0.0 38.8



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

8.25

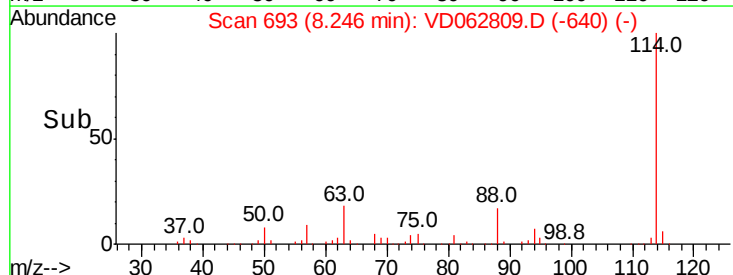
600000

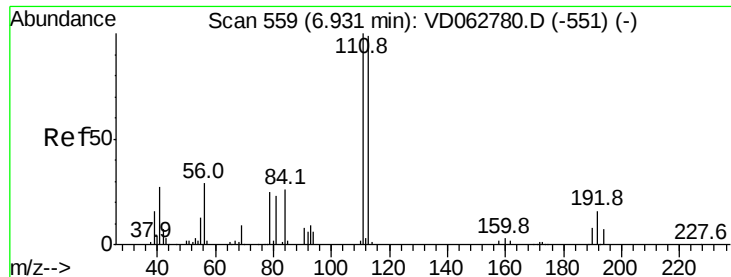
400000

200000

0

Time-->

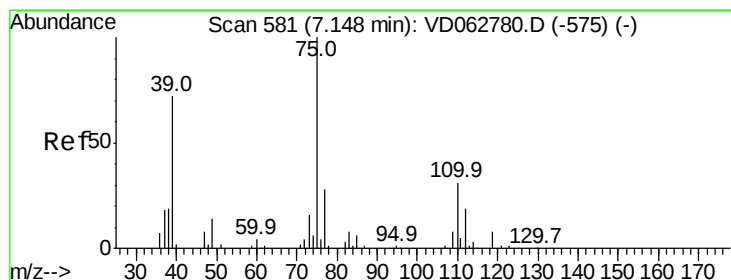
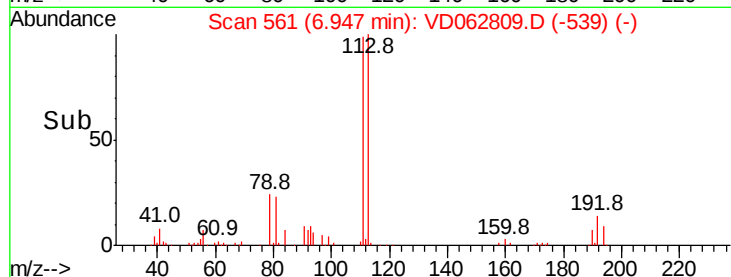
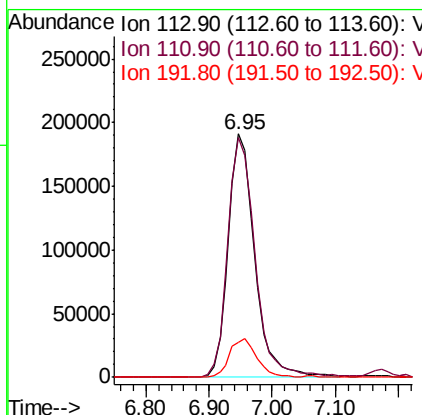
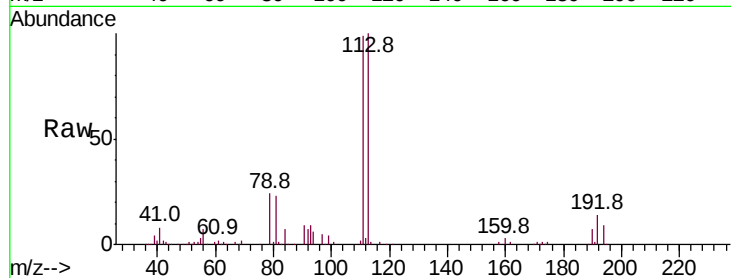




#35
 Dibromofluoromethane
 Concen: 52.929 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

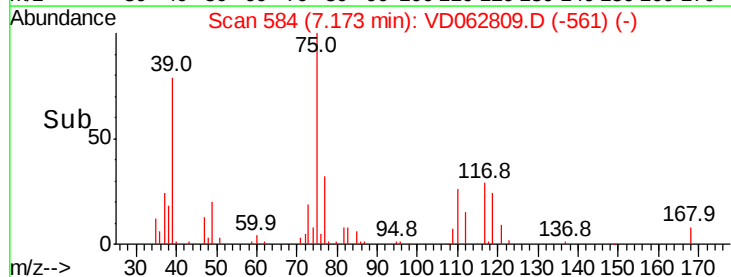
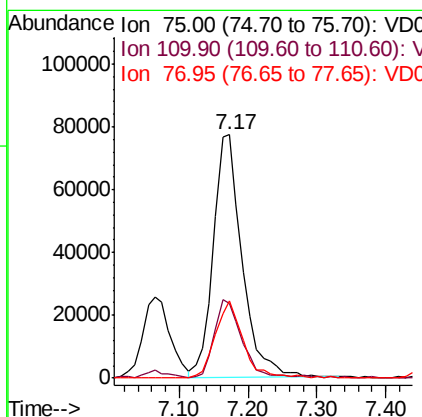
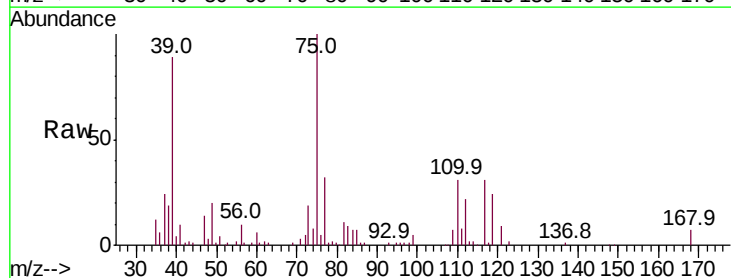
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

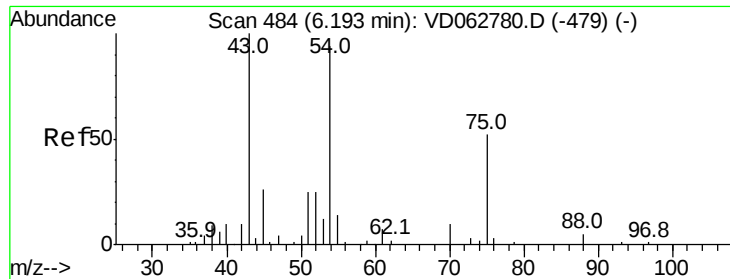
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.6	81.2	121.8
192	14.4	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 19.091 ug/l
 RT: 7.17 min Scan# 584
 Delta R.T. 0.02 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.7	15.0	45.1
77	31.8	22.2	33.2

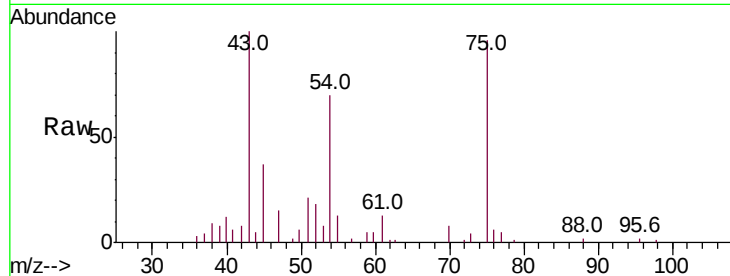




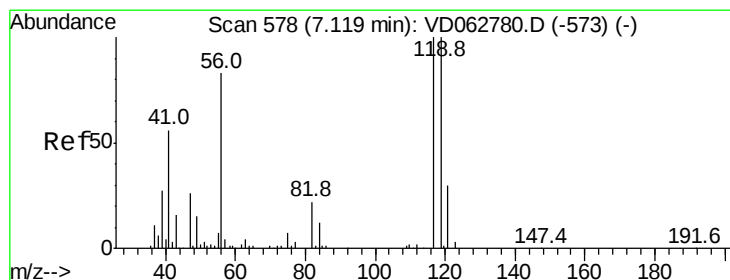
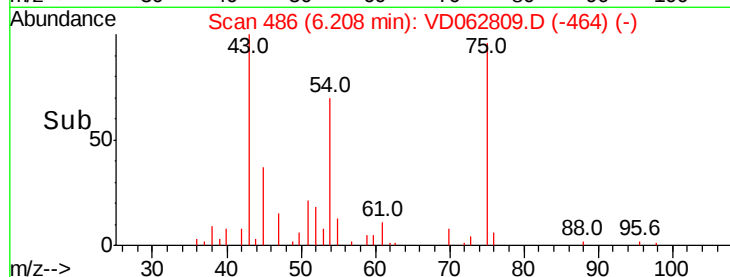
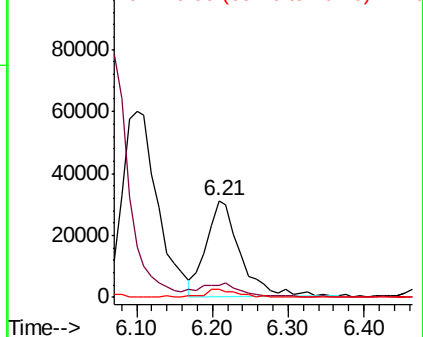
#37
Ethyl Acetate
Concen: 19.156 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.02 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

Tot Ion: 43 Resp: 97975
Ion Ratio Lower Upper
43 100
61 12.7 11.6 17.4
70 8.0 6.4 9.6

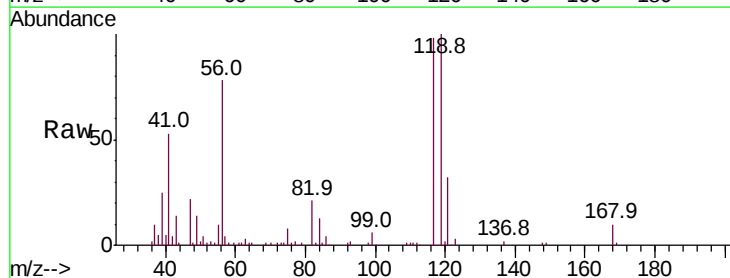


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

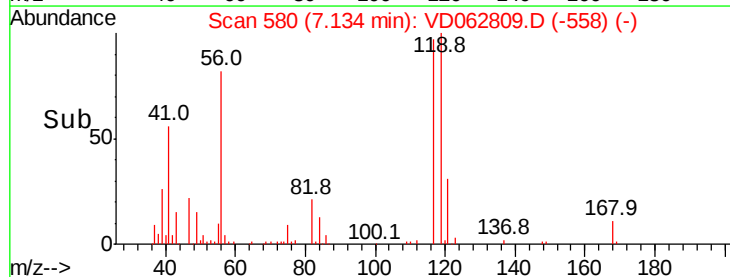
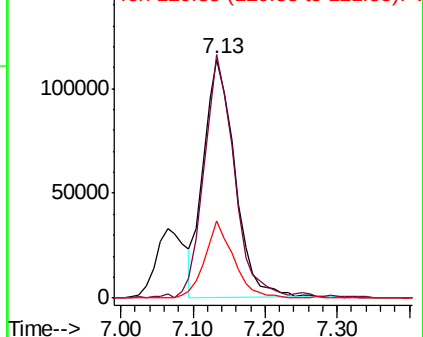


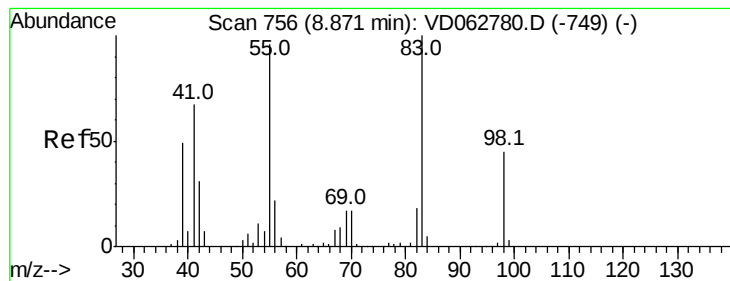
#38
Carbon Tetrachloride
Concen: 19.282 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.02 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Tgt Ion: 117 Resp: 340992
Ion Ratio Lower Upper
117 100
119 102.0 75.4 113.2
121 32.5 22.3 33.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 18.027 ug/l

RT: 8.89 min Scan# 758

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

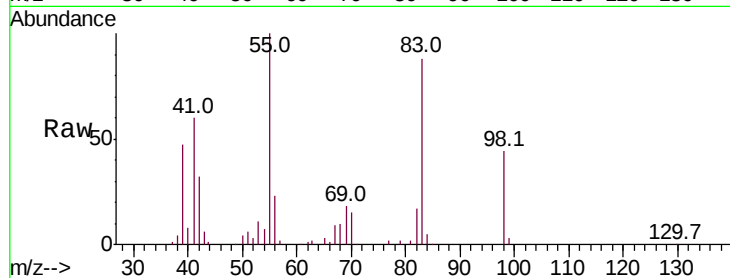
Tot Ion: 83 Resp: 186586

Ion Ratio Lower Upper

83 100

55 113.5 76.6 115.0

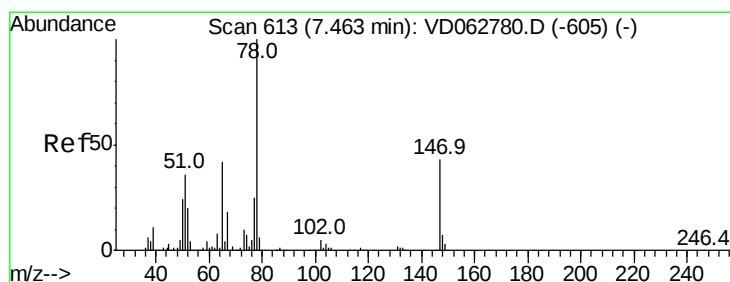
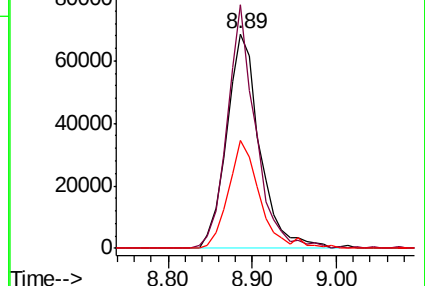
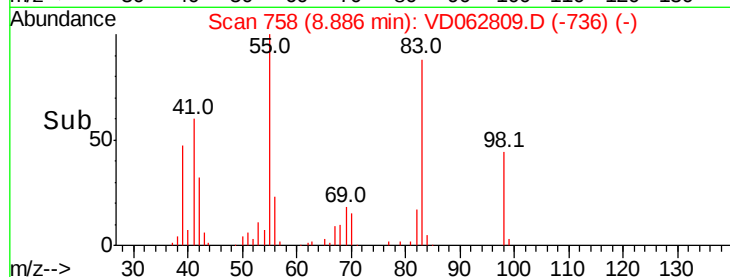
98 50.5 35.7 53.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.325 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD062809.D

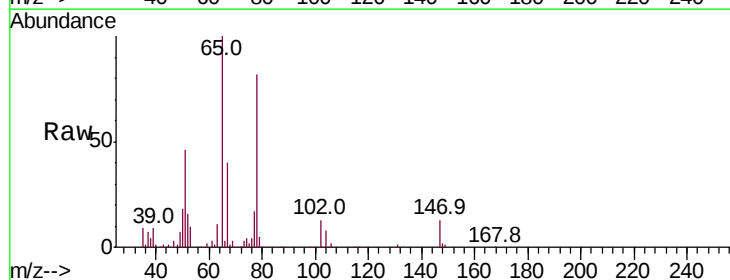
Acq: 21 Jun 2019 11:58

Tgt Ion: 78 Resp: 456144

Ion Ratio Lower Upper

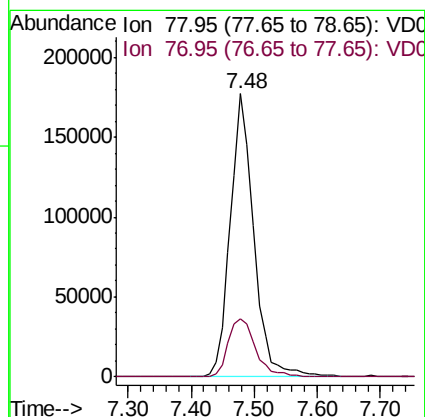
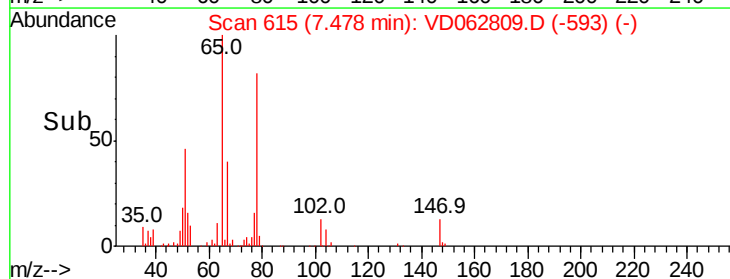
78 100

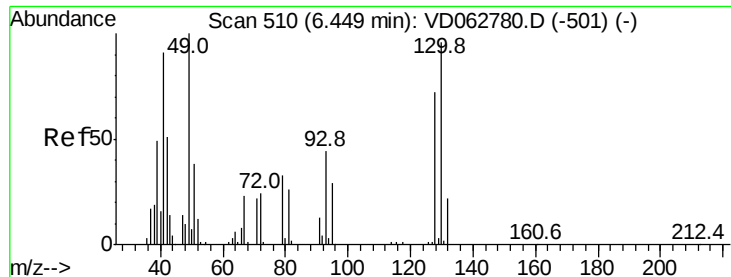
77 20.5 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 19.542 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

Tot Ion: 41 Resp: 121179

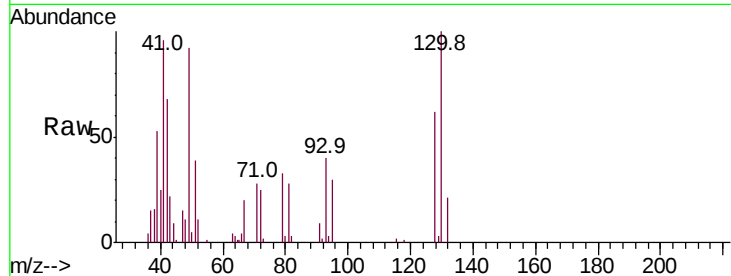
Ion Ratio Lower Upper

41 100

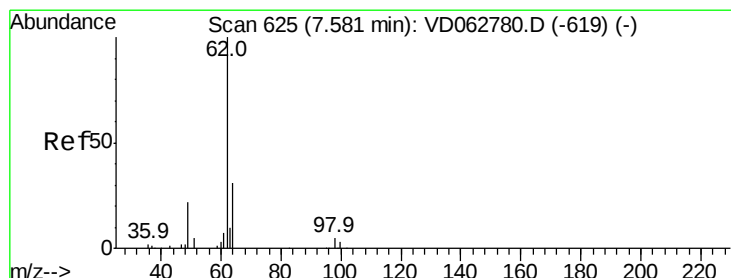
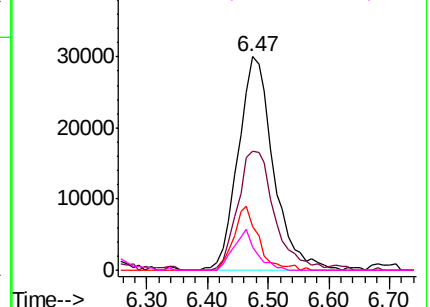
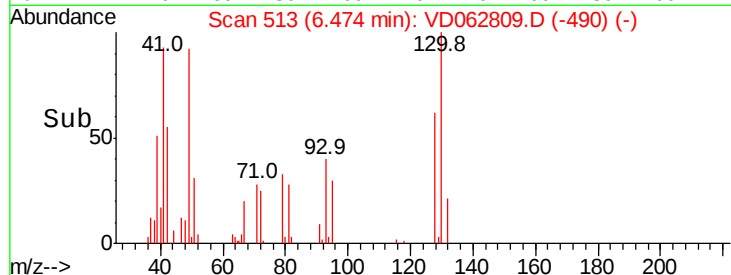
39 55.6 43.2 64.8

67 20.7 19.9 29.9

52 11.1 10.2 15.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.015 ug/l

RT: 7.61 min Scan# 628

Delta R.T. 0.02 min

Lab File: VD062809.D

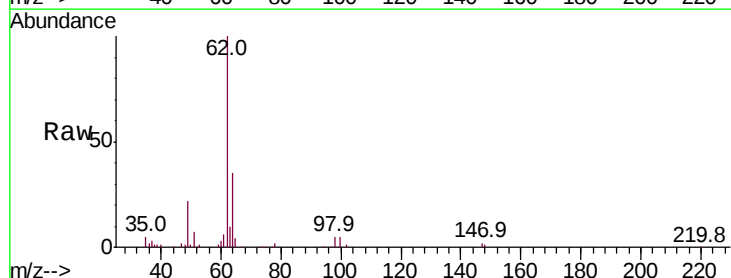
Acq: 21 Jun 2019 11:58

Tgt Ion: 62 Resp: 257719

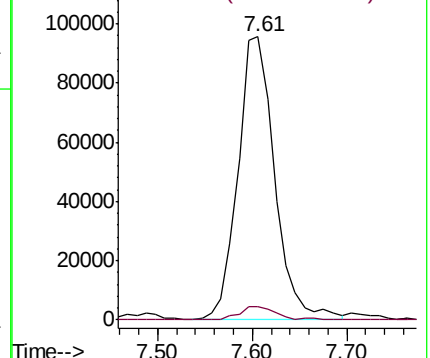
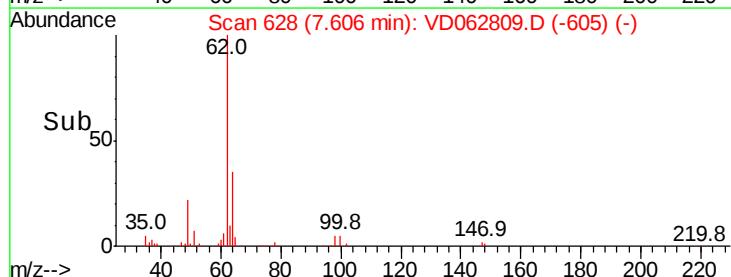
Ion Ratio Lower Upper

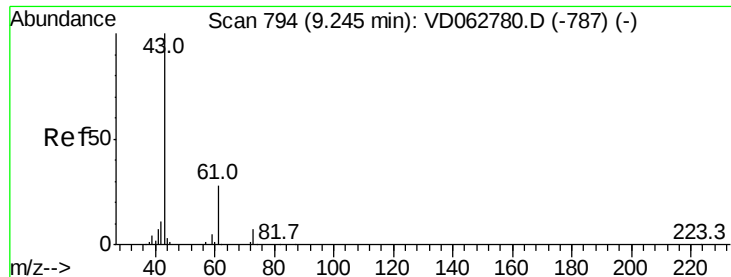
62 100

98 4.8 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



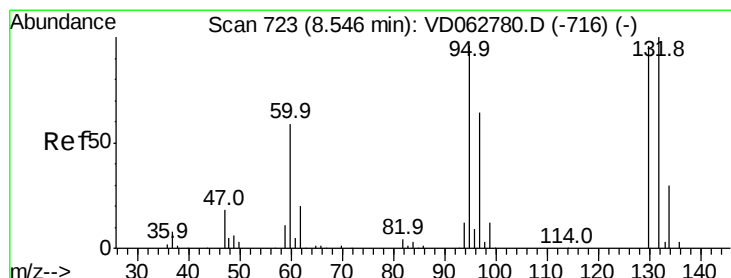
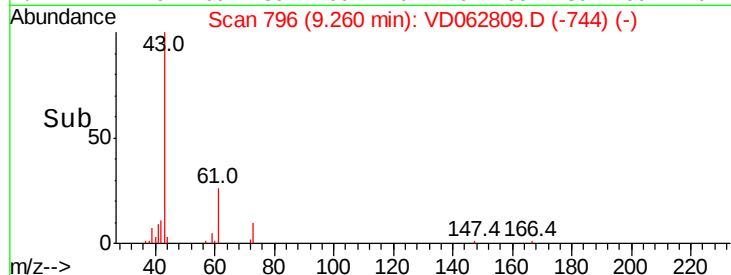
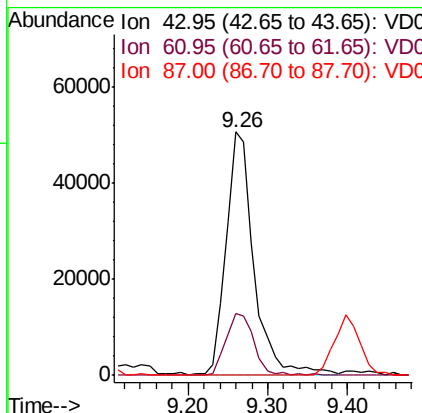
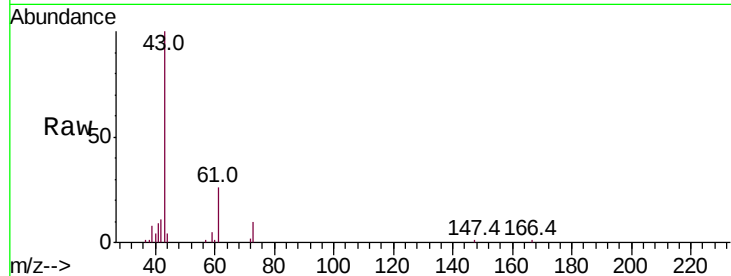


#43

Isopropyl Acetate
 Concen: 20.165 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.02 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

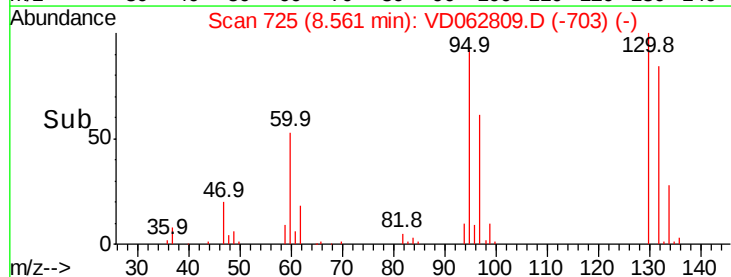
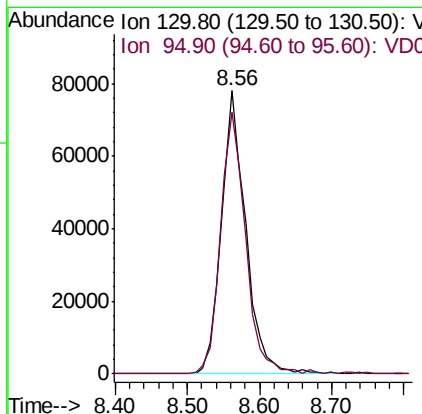
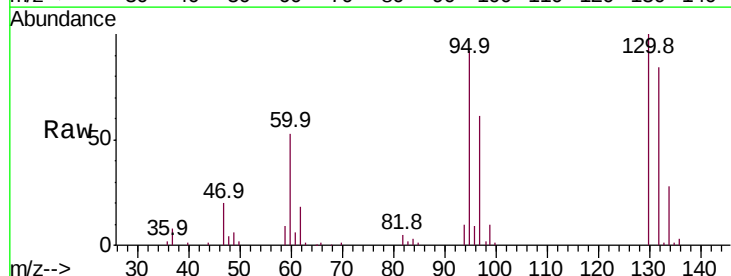
Tot Ion: 43 Resp: 124314
 Ion Ratio Lower Upper
 43 100
 61 25.5 22.4 33.6
 87 0.0 0.3 0.5#

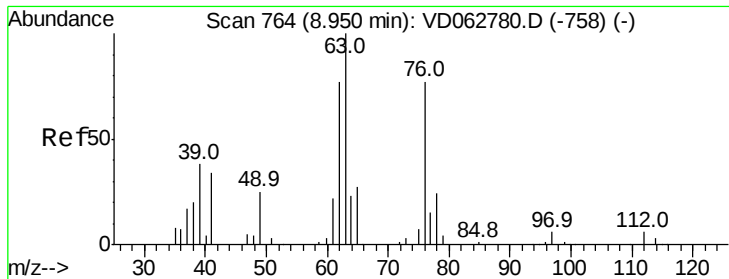


#44

Trichloroethene
 Concen: 19.591 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.02 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

Tgt Ion:130 Resp: 181286
 Ion Ratio Lower Upper
 130 100
 95 92.4 0.0 201.6





#45

1,2-Dichloropropane

Concen: 19.072 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

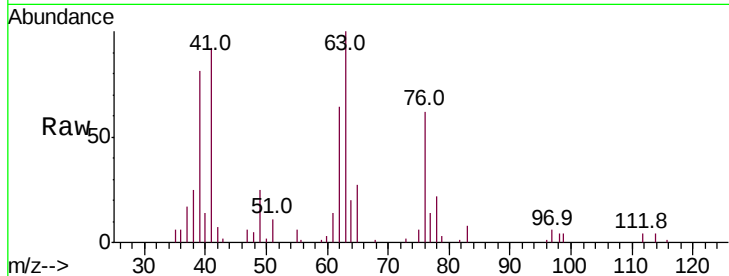
VD0621SBSD01

Tot Ion: 63 Resp: 111938

Ion Ratio Lower Upper

63 100

65 27.4 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

50000

40000

30000

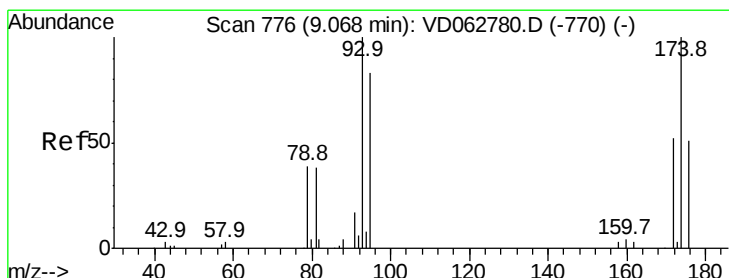
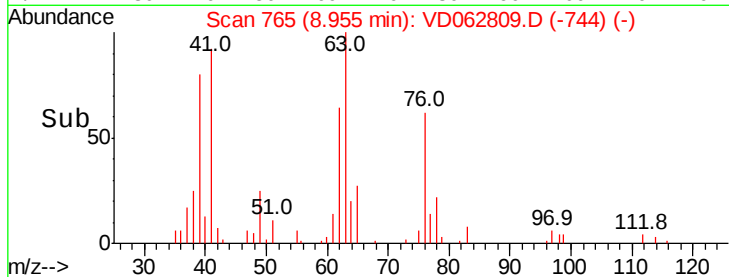
20000

10000

0

Time-->

8.90 9.00 9.10



#46

Dibromomethane

Concen: 19.734 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

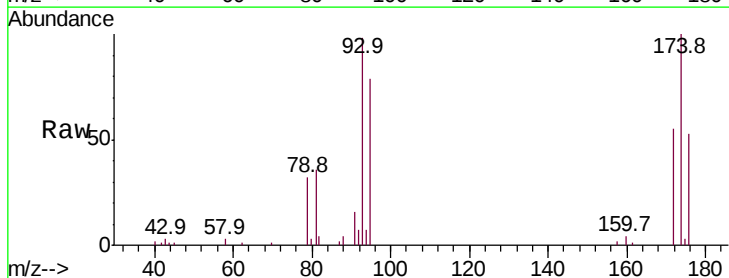
Tgt Ion: 93 Resp: 99491

Ion Ratio Lower Upper

93 100

95 80.6 66.6 100.0

174 101.7 79.7 119.5



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

50000

40000

30000

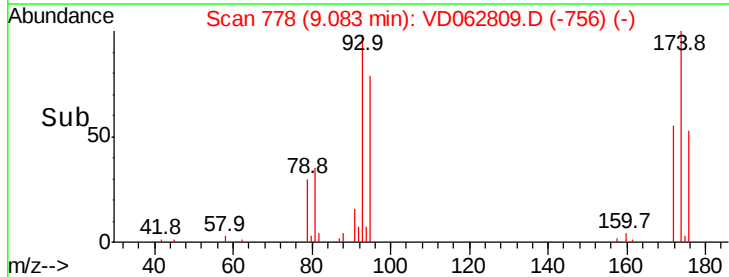
20000

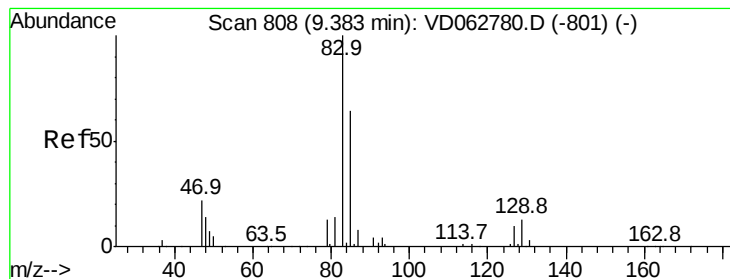
10000

0

Time-->

9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 20.637 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

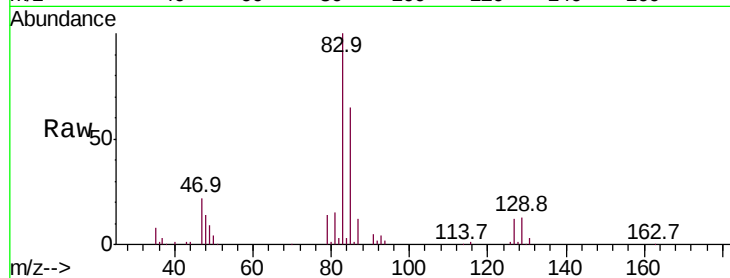
Tot Ion: 83 Resp: 270215

Ion Ratio Lower Upper

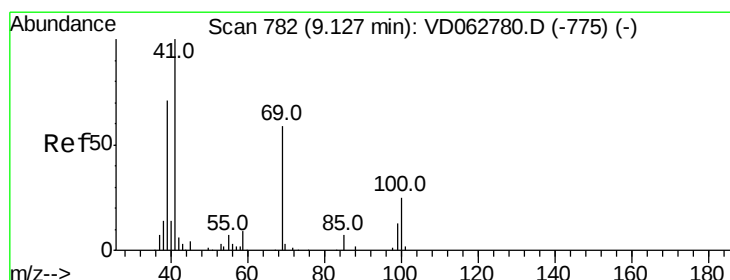
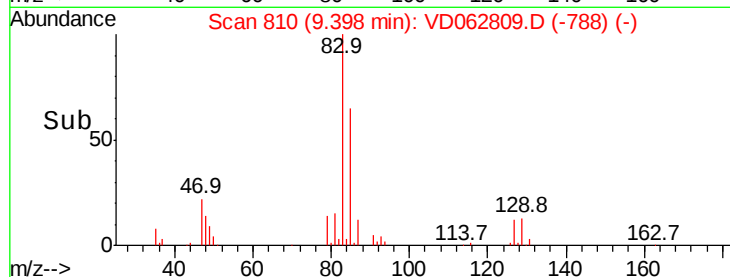
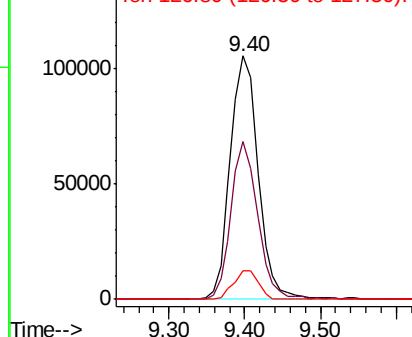
83 100

85 65.0 51.6 77.4

127 11.8 7.8 11.6#



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: 20.510 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

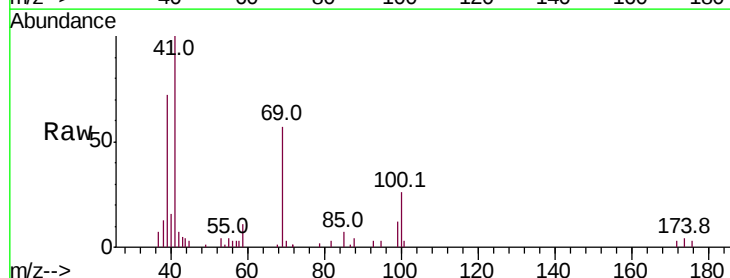
Tgt Ion: 41 Resp: 89849

Ion Ratio Lower Upper

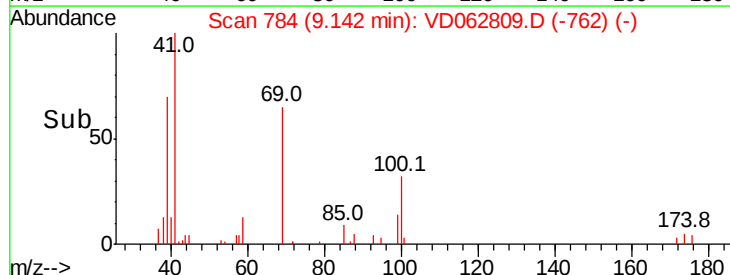
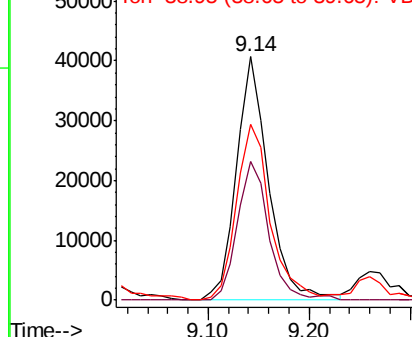
41 100

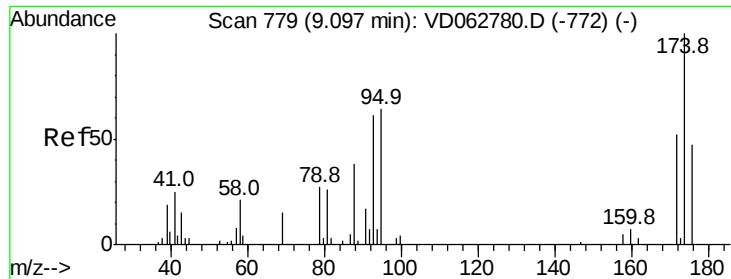
69 57.0 47.2 70.8

39 72.1 57.4 86.2



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: 398.003 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

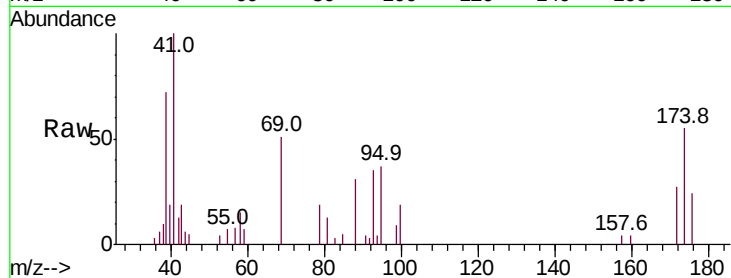
Tot Ion: 88 Resp: 14506

Ion Ratio Lower Upper

88 100

43 59.8 32.1 48.1#

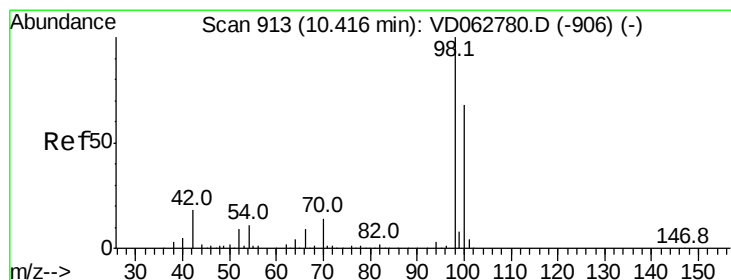
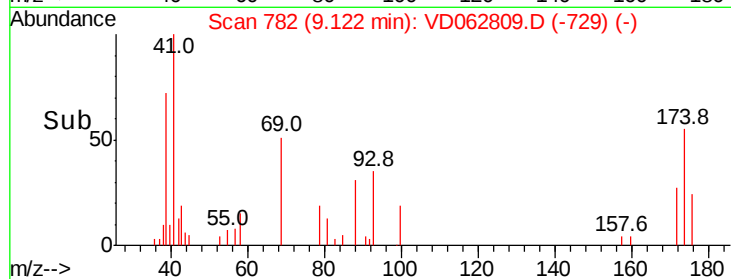
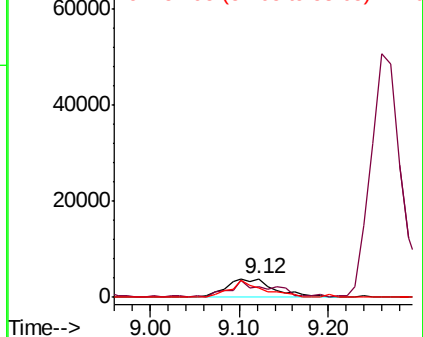
58 49.1 44.1 66.1



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 52.073 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.02 min

Lab File: VD062809.D

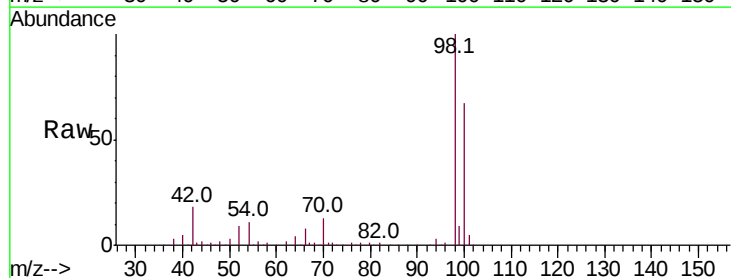
Acq: 21 Jun 2019 11:58

Tgt Ion: 98 Resp: 1187041

Ion Ratio Lower Upper

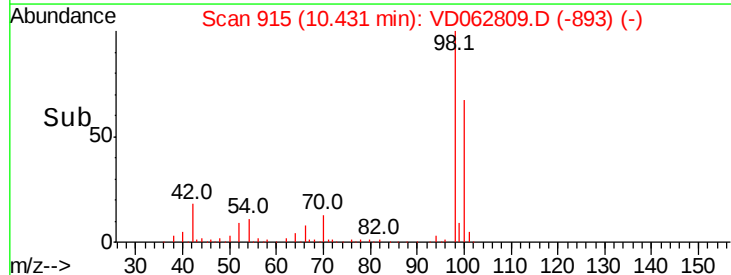
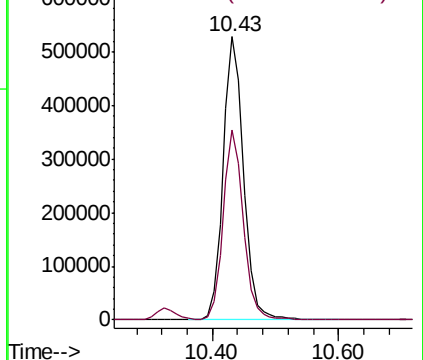
98 100

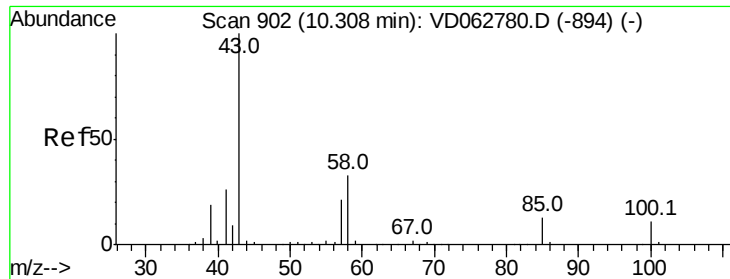
100 67.1 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 103.047 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

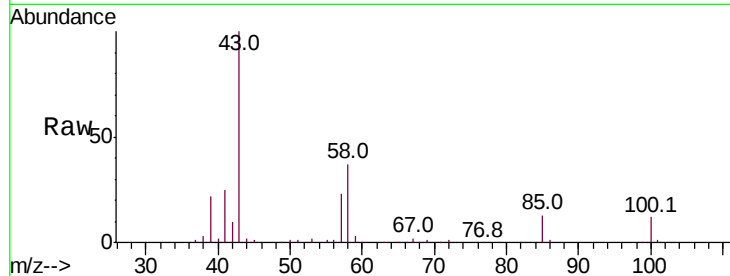
VD0621SBSD01

Tot Ion: 43 Resp: 450390

Ion Ratio Lower Upper

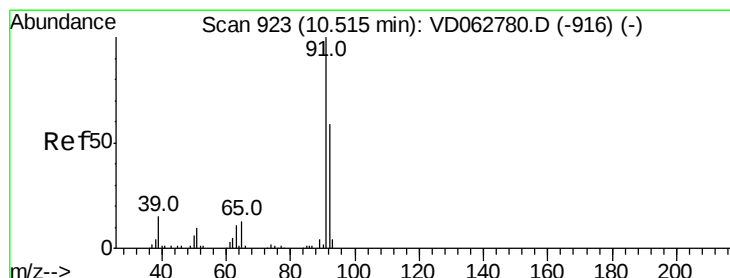
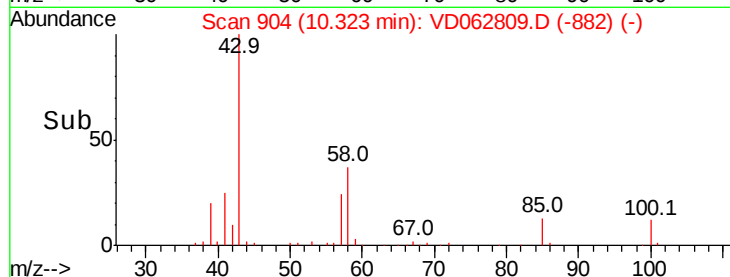
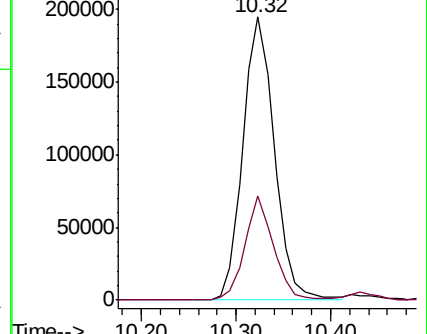
43 100

58 36.6 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.137 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD062809.D

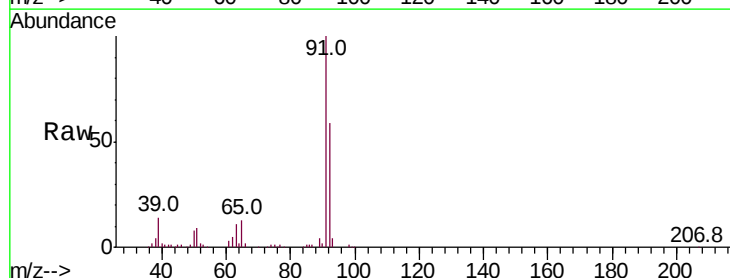
Acq: 21 Jun 2019 11:58

Tgt Ion: 92 Resp: 303626

Ion Ratio Lower Upper

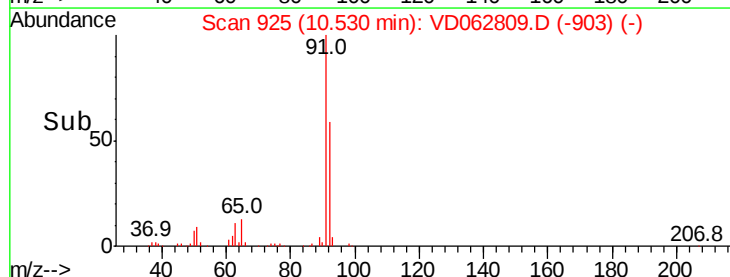
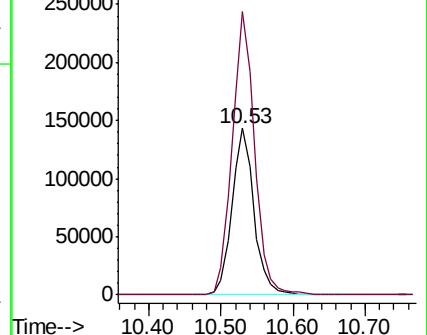
92 100

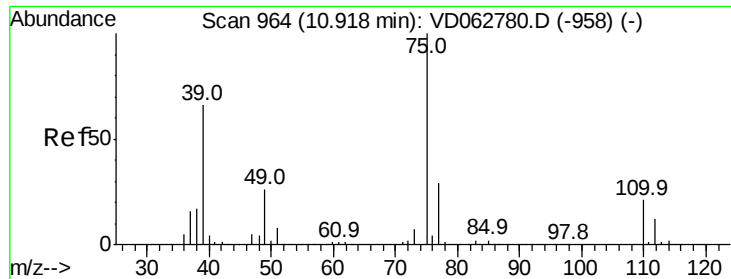
91 169.8 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.390 ug/l

RT: 10.93 min Scan# 966

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

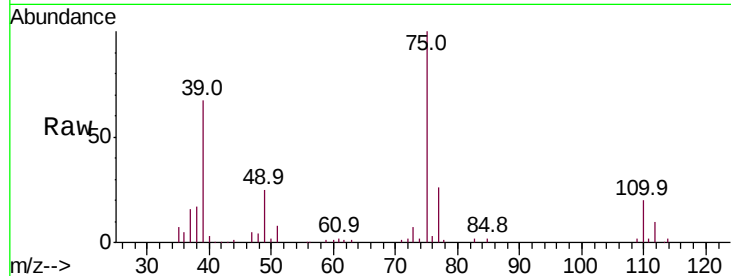
VD0621SBSD01

Tot Ion: 75 Resp: 207799

Ion Ratio Lower Upper

75 100

77 26.4 23.2 34.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.93

120000

100000

80000

60000

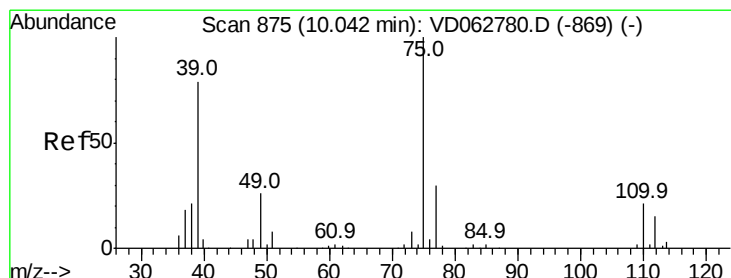
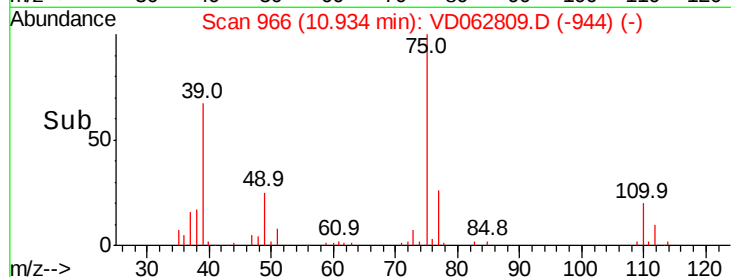
40000

20000

0

Time-->

10.80 10.90 11.00 11.10



#54

cis-1,3-Dichloropropene

Concen: 19.060 ug/l

RT: 10.06 min Scan# 877

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

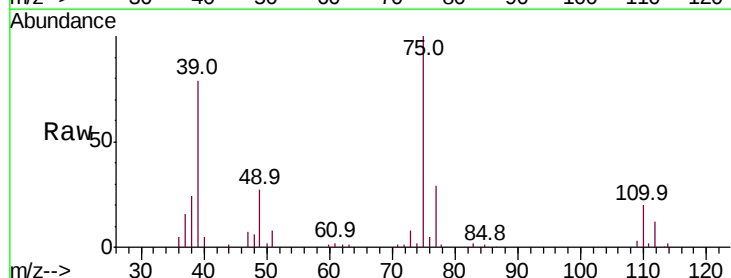
Tgt Ion: 75 Resp: 222018

Ion Ratio Lower Upper

75 100

77 29.4 24.2 36.2

39 78.9 63.5 95.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.06

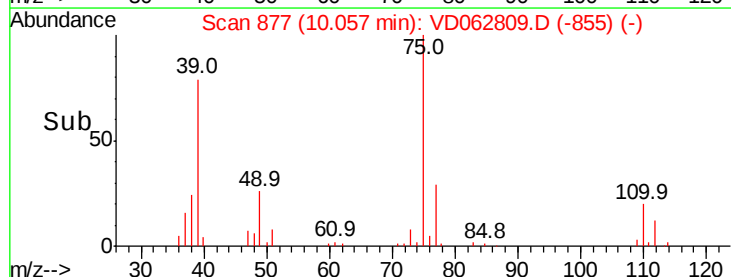
100000

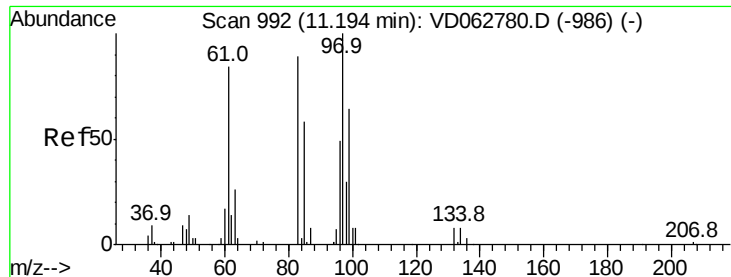
50000

0

Time-->

10.00 10.10 10.20

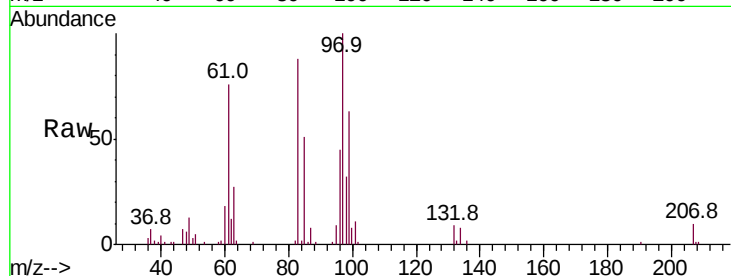




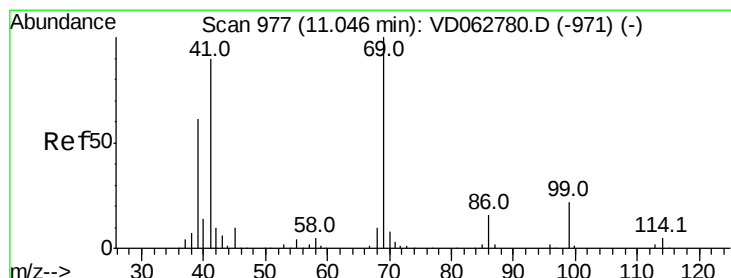
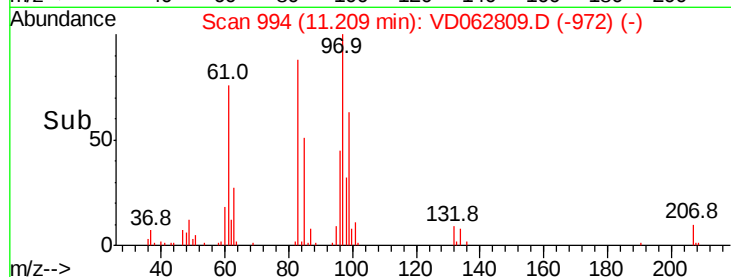
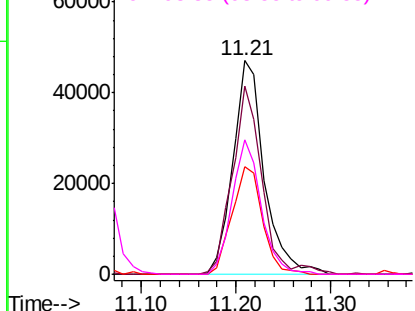
#55
 1,1,2-Trichloroethane
 Concen: 19.762 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.02 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

Tot Ion: 97 Resp: 107724
 Ion Ratio Lower Upper
 97 100
 83 88.3 71.0 106.4
 85 50.5 46.6 69.8
 99 62.7 51.4 77.0

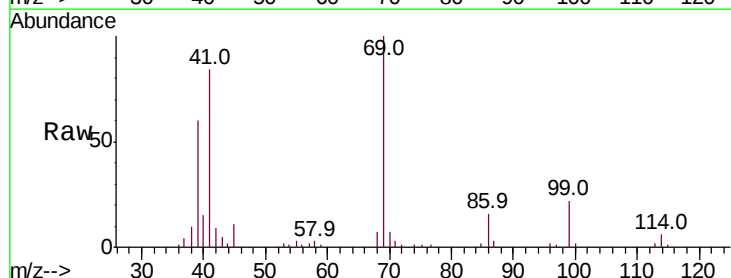


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

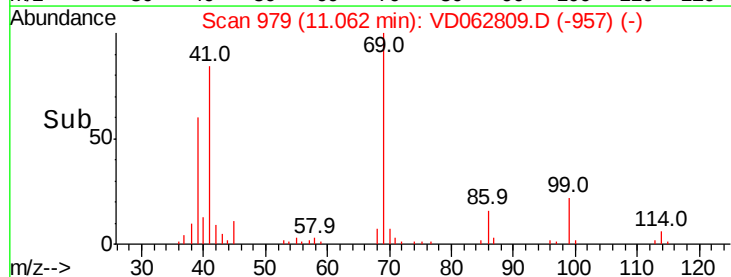
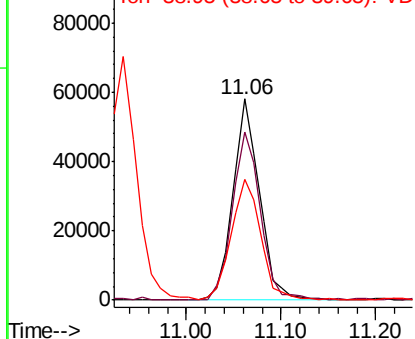


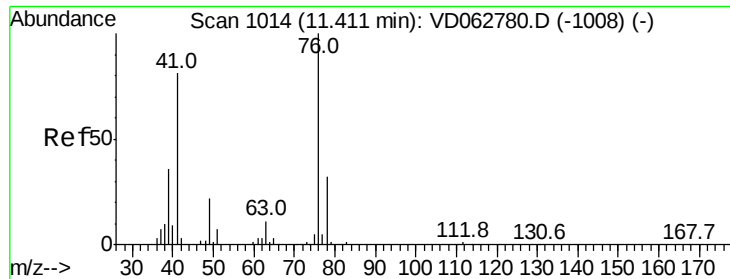
#56
 Ethyl methacrylate
 Concen: 19.324 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.02 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

Tgt Ion: 69 Resp: 112572
 Ion Ratio Lower Upper
 69 100
 41 83.6 72.0 108.0
 39 60.3 49.5 74.3



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: 19.923 ug/l

RT: 11.43 min Scan# 1016

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

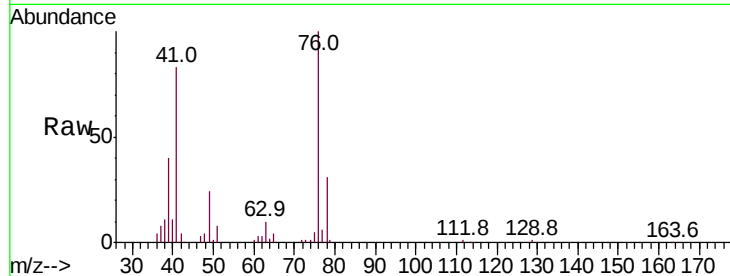
VD0621SBSD01

Tot Ion: 76 Resp: 166287

Ion Ratio Lower Upper

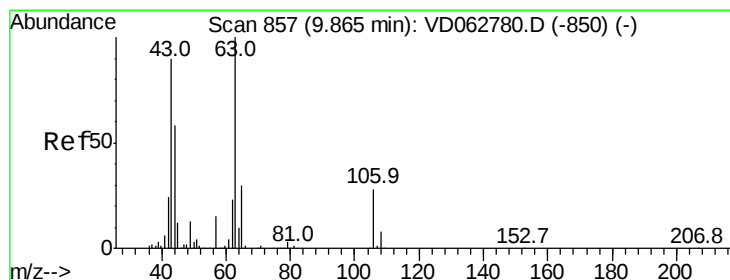
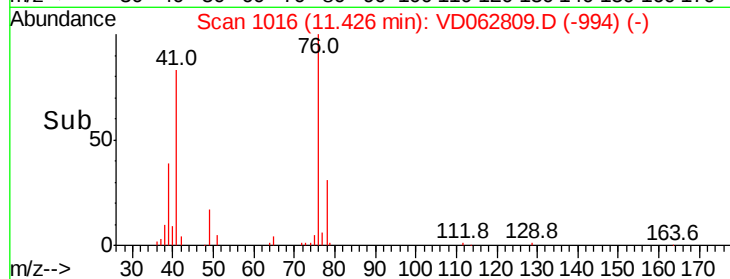
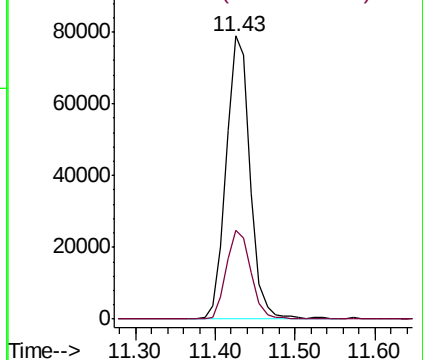
76 100

78 31.2 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 108.091 ug/l

RT: 9.88 min Scan# 859

Delta R.T. 0.02 min

Lab File: VD062809.D

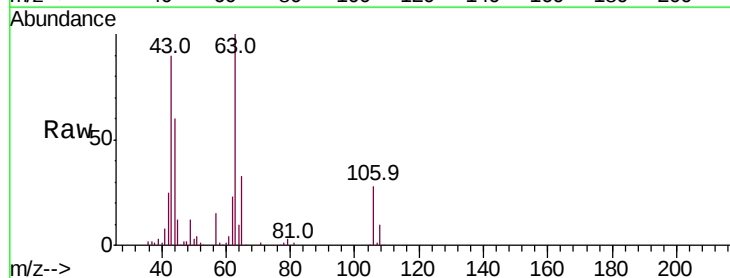
Acq: 21 Jun 2019 11:58

Tgt Ion: 63 Resp: 323267

Ion Ratio Lower Upper

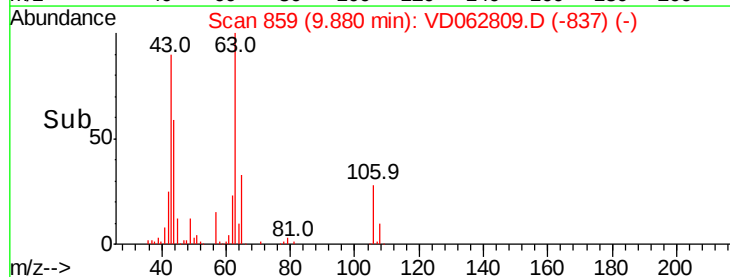
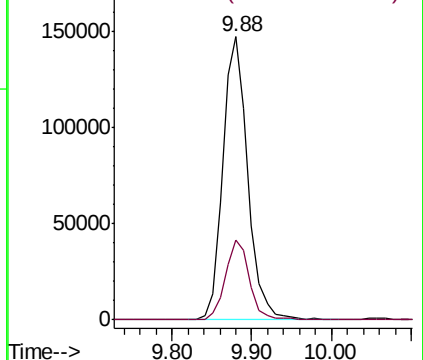
63 100

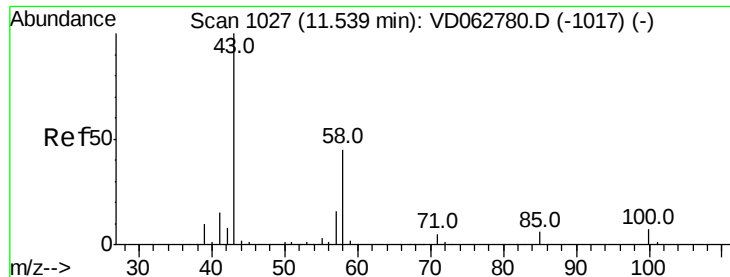
106 28.2 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 110.025 ug/l

RT: 11.55 min Scan# 1029

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

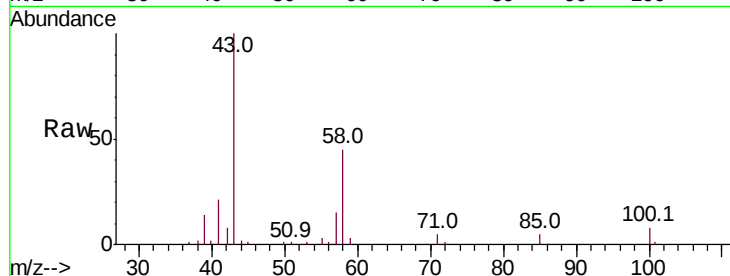
VD0621SBSD01

Tot Ion: 43 Resp: 342486

Ion Ratio Lower Upper

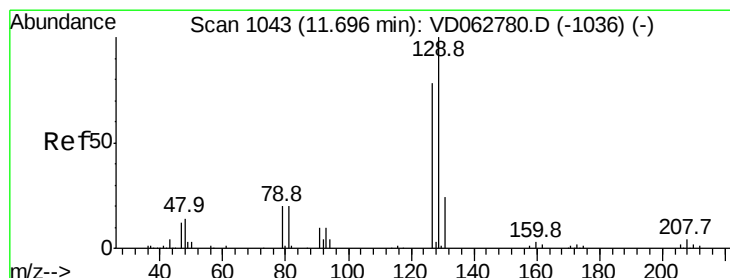
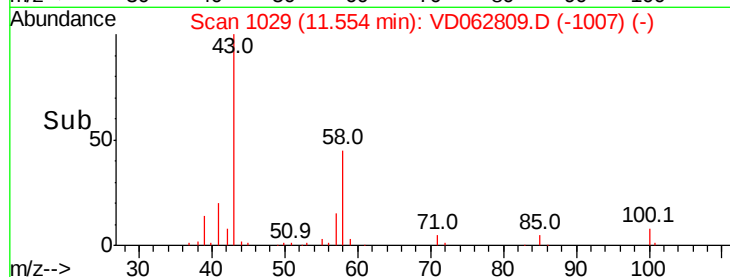
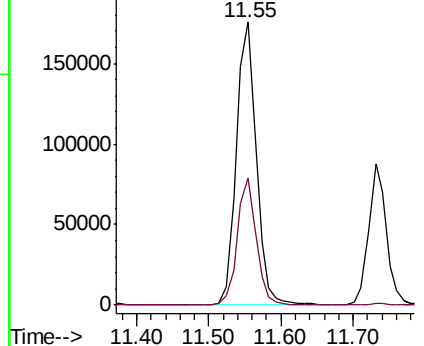
43 100

58 44.9 22.4 67.2



Abundance Ion 42.95 (42.65 to 43.65): VD062809.D (-1007) (-)

Ion 57.95 (57.65 to 58.65): VD062809.D (-1007) (-)



#60

Dibromochloromethane

Concen: 19.874 ug/l

RT: 11.70 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VD062809.D

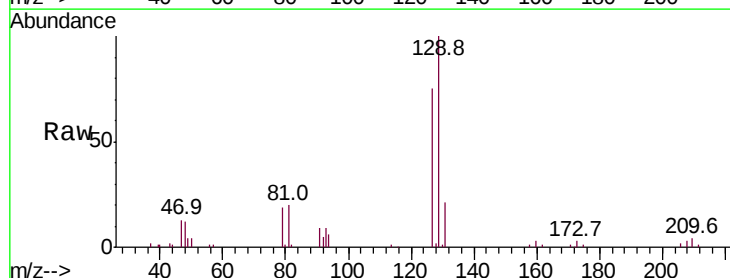
Acq: 21 Jun 2019 11:58

Tgt Ion: 129 Resp: 201788

Ion Ratio Lower Upper

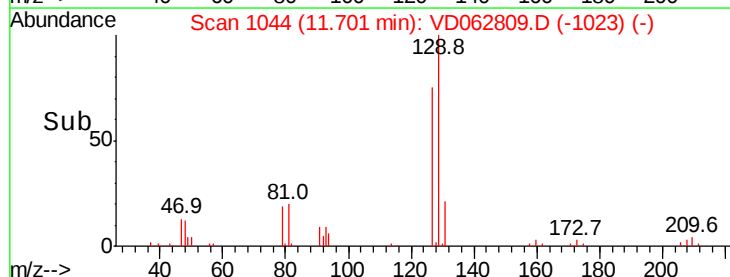
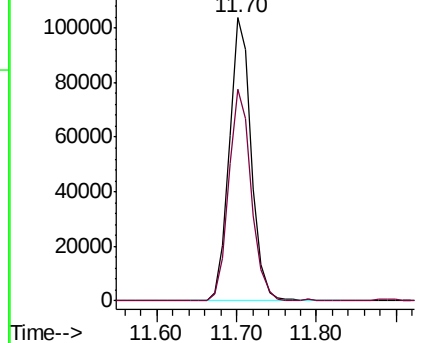
129 100

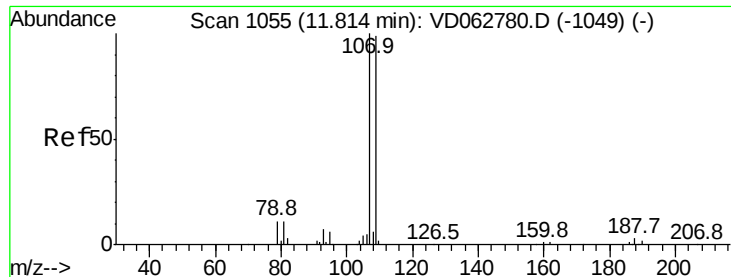
127 74.7 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): VD062809.D (-1023) (-)

Ion 126.80 (126.50 to 127.50): VD062809.D (-1023) (-)

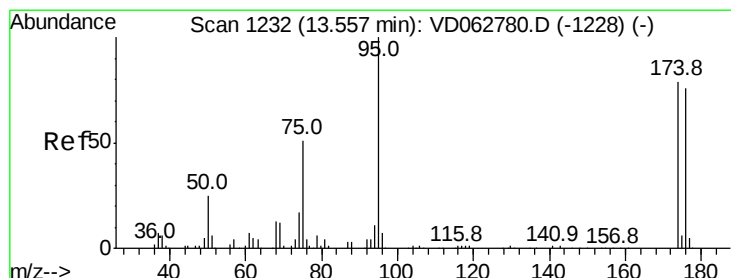
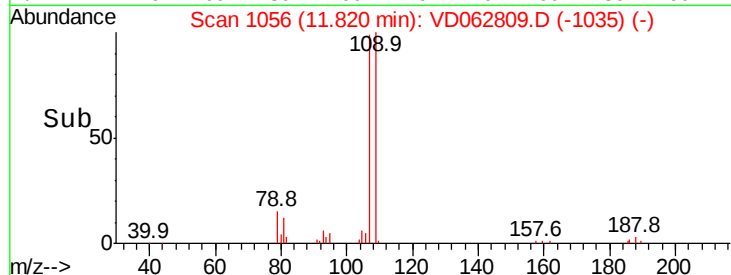
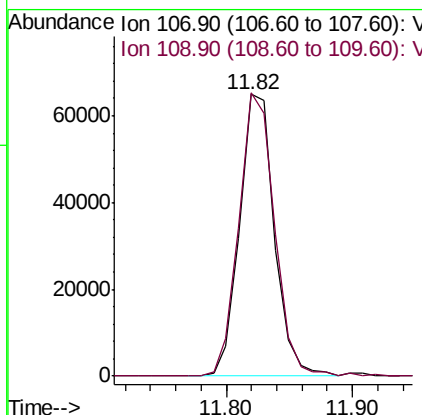
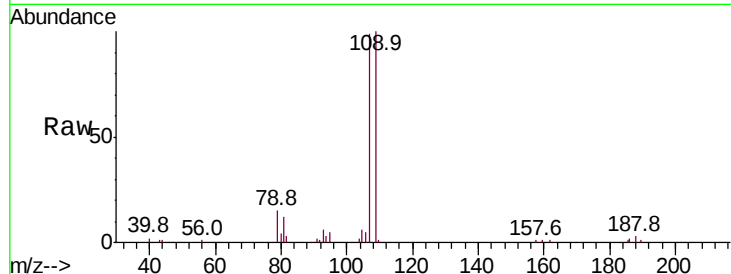




#61
 1,2-Dibromoethane
 Concen: 19.259 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

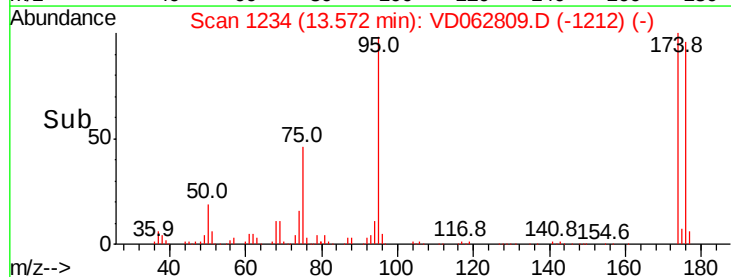
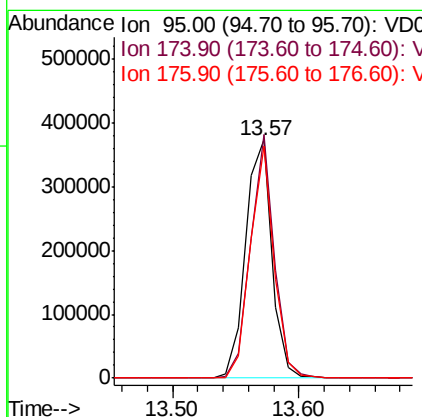
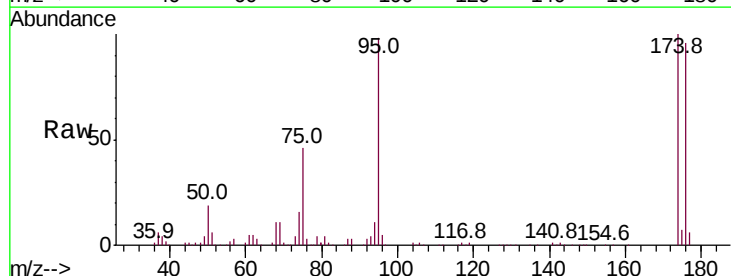
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

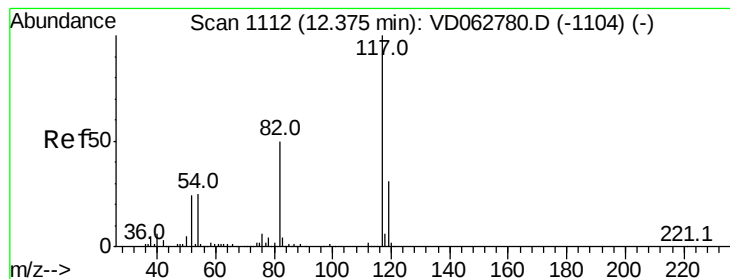
Tot Ion:107 Resp: 123986
 Ion Ratio Lower Upper
 107 100
 109 100.5 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 51.919 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

Tgt Ion: 95 Resp: 538156
 Ion Ratio Lower Upper
 95 100
 174 102.1 0.0 158.0
 176 97.6 0.0 151.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

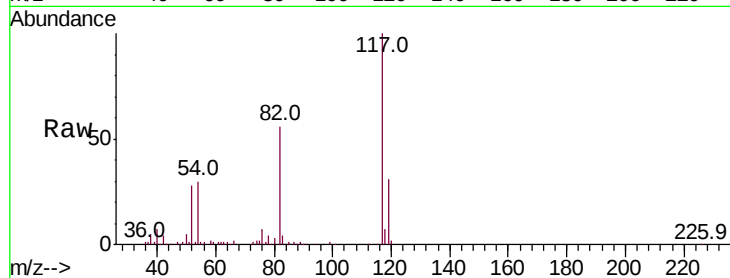
Tot Ion:117 Resp: 956145

Ion Ratio Lower Upper

117 100

82 55.9 40.4 60.6

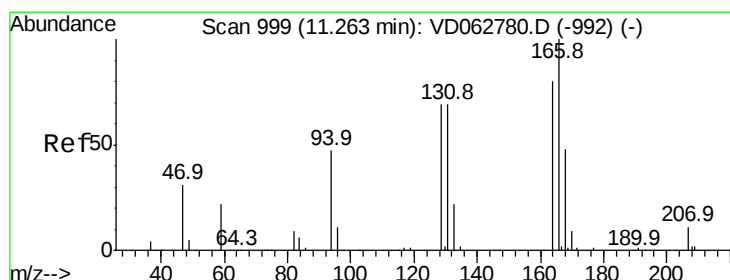
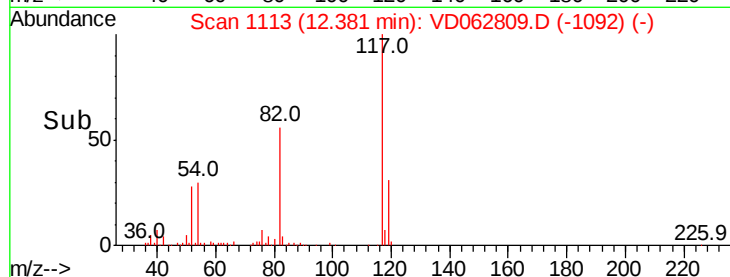
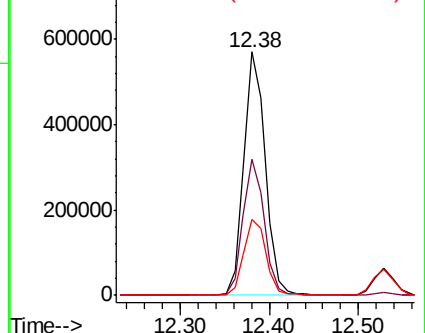
119 31.0 25.2 37.8



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: 20.822 ug/l

RT: 11.28 min Scan# 1001

Delta R.T. 0.02 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Tgt Ion:164 Resp: 163851

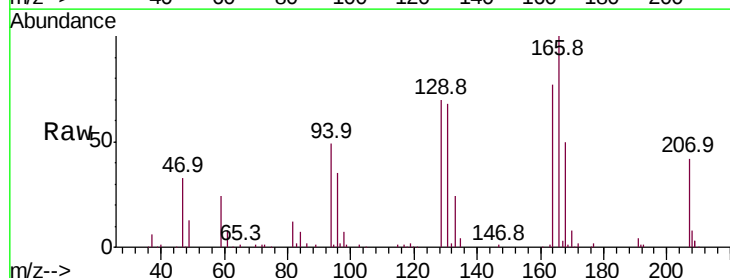
Ion Ratio Lower Upper

164 100

166 129.6 100.6 150.8

129 90.4 69.4 104.0

131 87.9 69.3 103.9

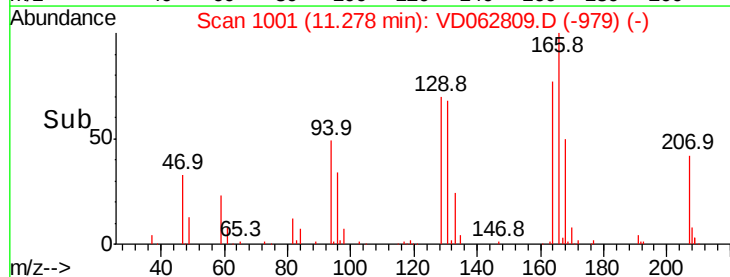
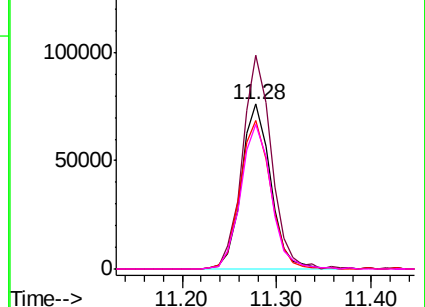


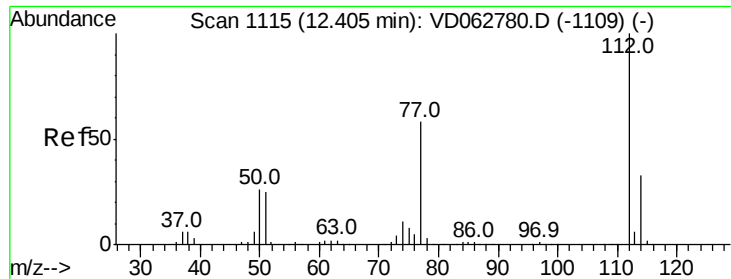
Abundance Ion 163.85 (163.55 to 164.55): V

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

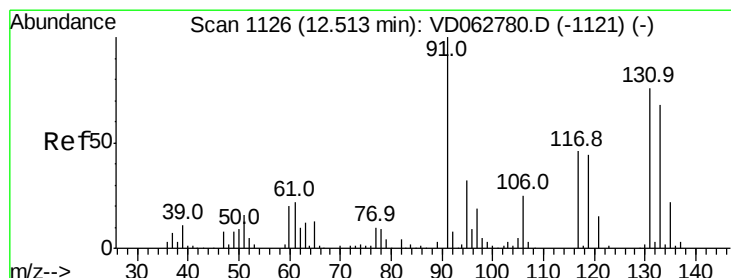
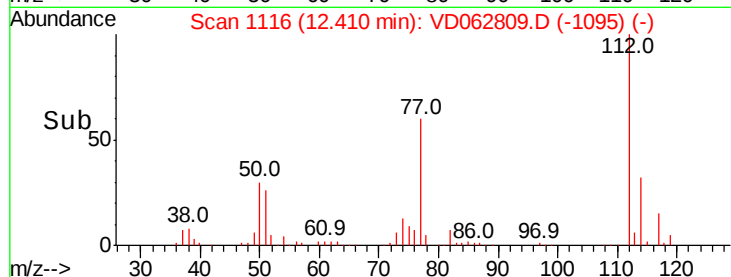
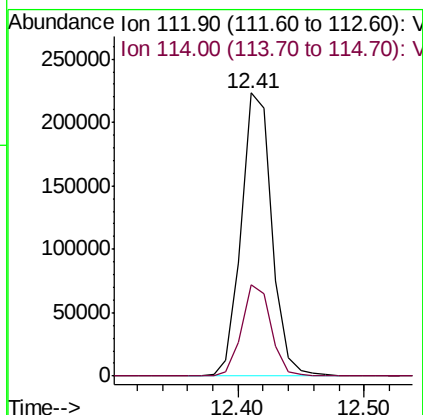
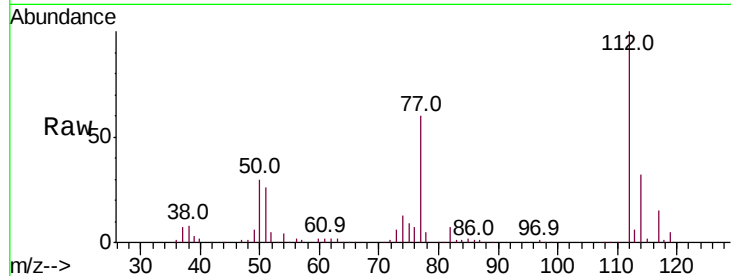




#65
Chlorobenzene
Concen: 21.164 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

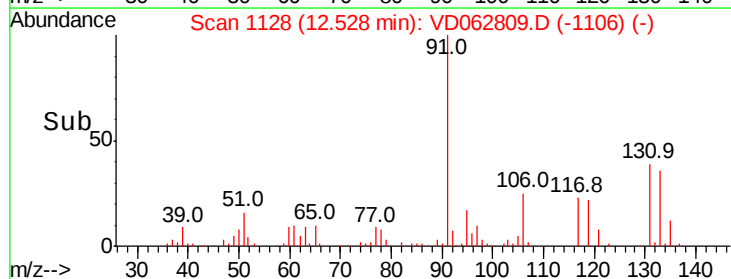
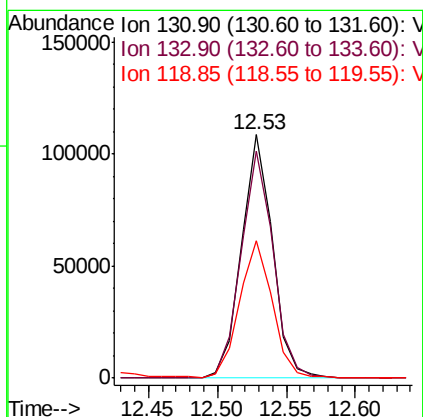
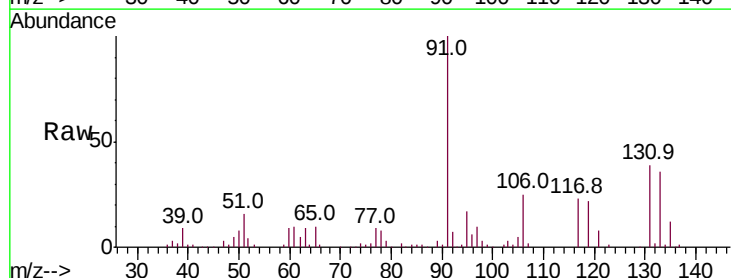
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

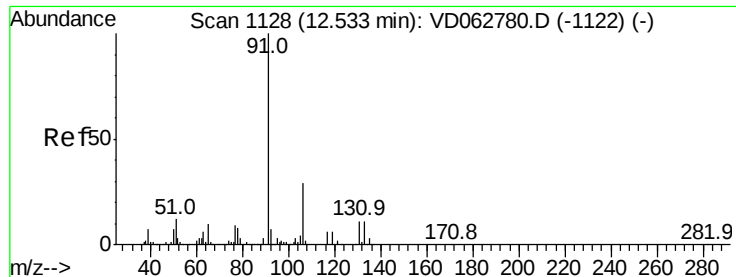
Tot Ion:112 Resp: 375559
Ion Ratio Lower Upper
112 100
114 32.5 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.558 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Tgt Ion:131 Resp: 170606
Ion Ratio Lower Upper
131 100
133 93.2 44.5 133.3
119 56.4 28.6 85.9

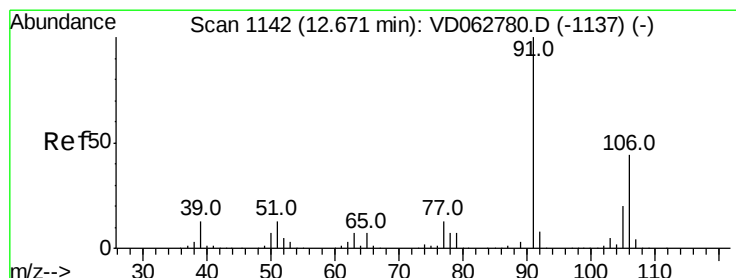
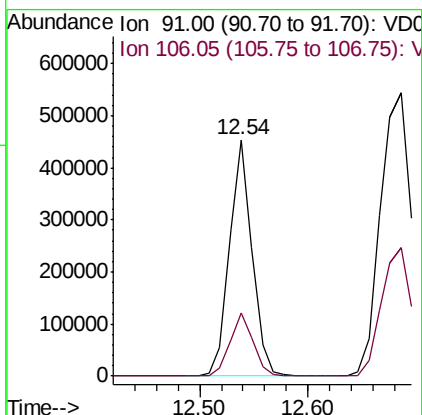
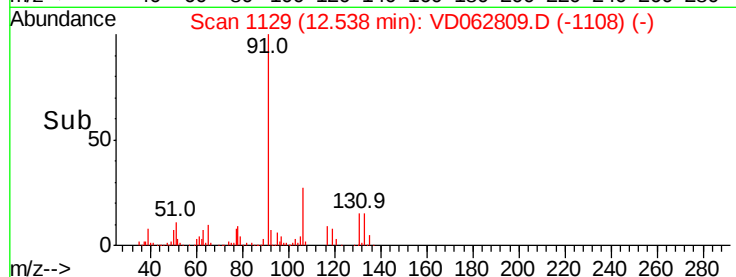
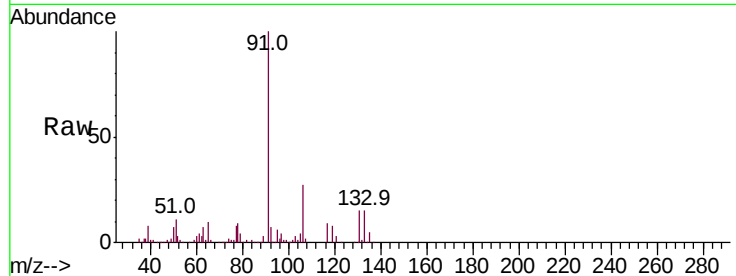




#67
Ethyl Benzene
Concen: 20.813 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

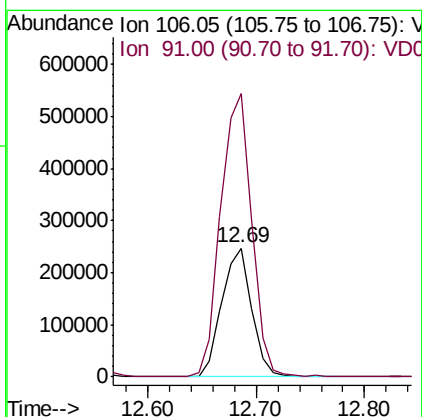
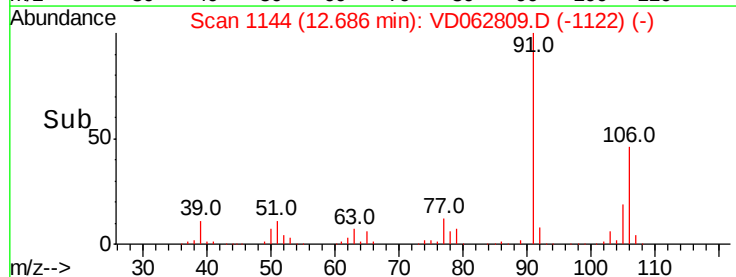
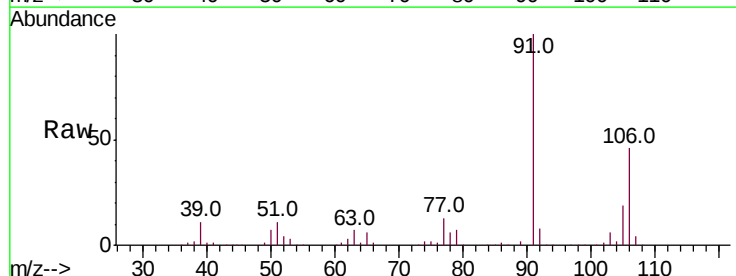
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

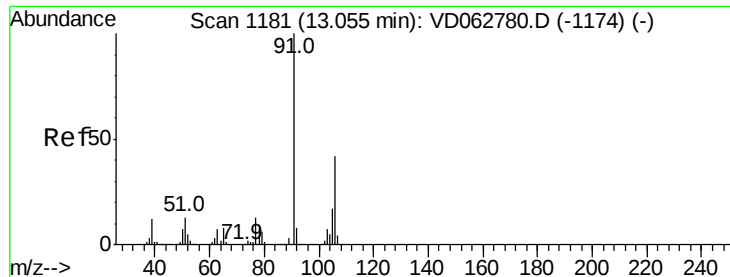
Tot Ion: 91 Resp: 663072
Ion Ratio Lower Upper
91 100
106 26.9 23.1 34.7



#68
m/p-Xylenes
Concen: 42.838 ug/l
RT: 12.69 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Tgt Ion: 106 Resp: 475340
Ion Ratio Lower Upper
106 100
91 219.8 183.0 274.6

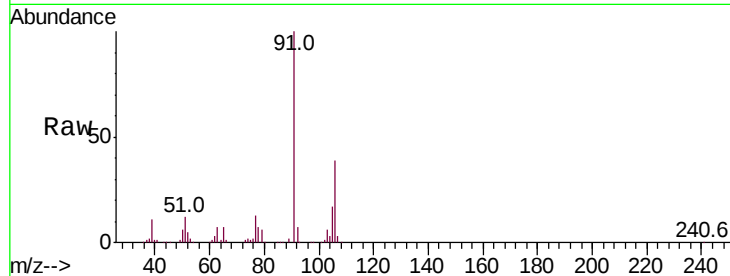




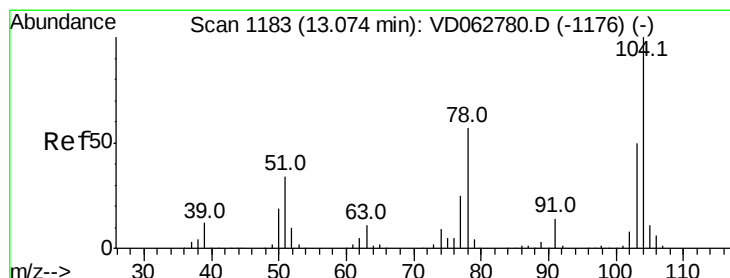
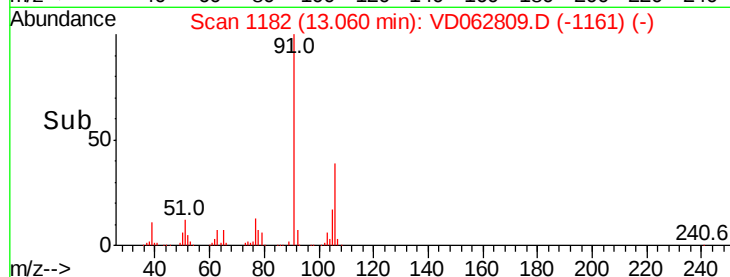
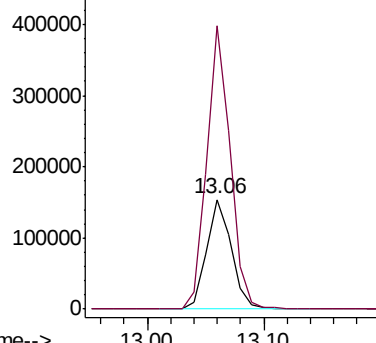
#69
o-Xylene
Concen: 22.385 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

Tot Ion:106 Resp: 227071
Ion Ratio Lower Upper
106 100
91 258.4 117.9 353.6

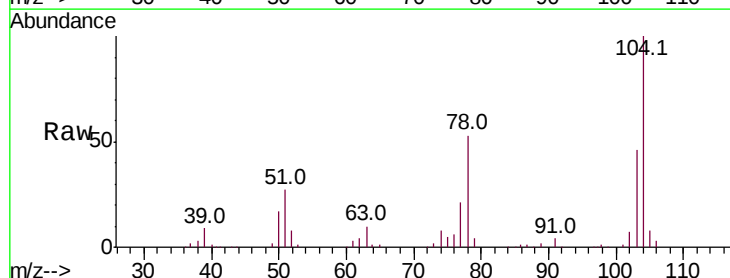


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

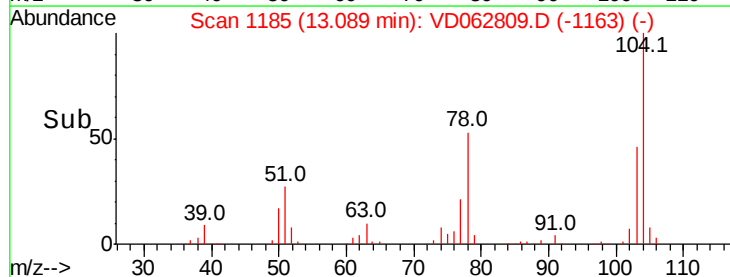
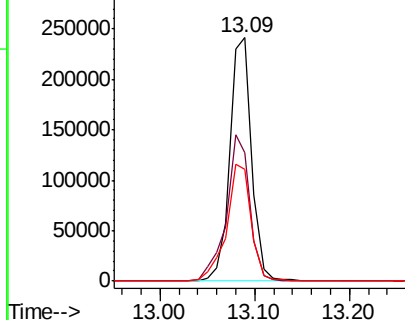


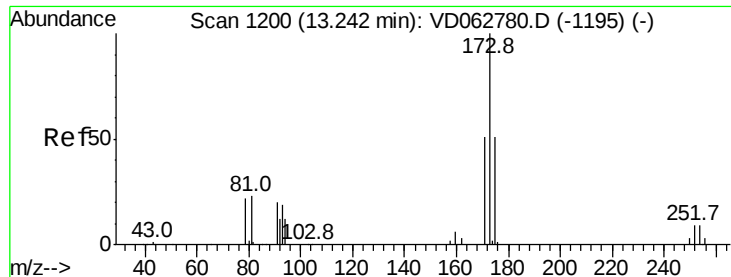
#70
Styrene
Concen: 21.515 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Tgt Ion:104 Resp: 383336
Ion Ratio Lower Upper
104 100
78 52.6 45.4 68.2
103 45.8 39.7 59.5



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: 21.927 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

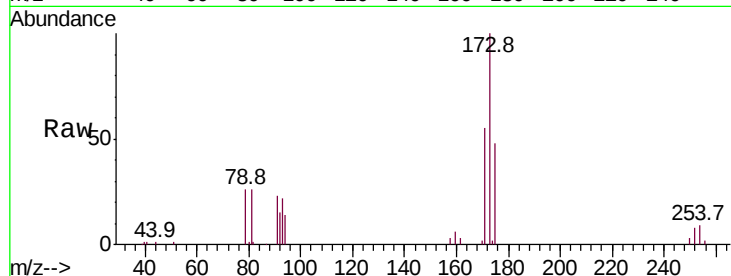
Tot Ion:173 Resp: 124672

Ion Ratio Lower Upper

173 100

175 48.4 25.3 75.9

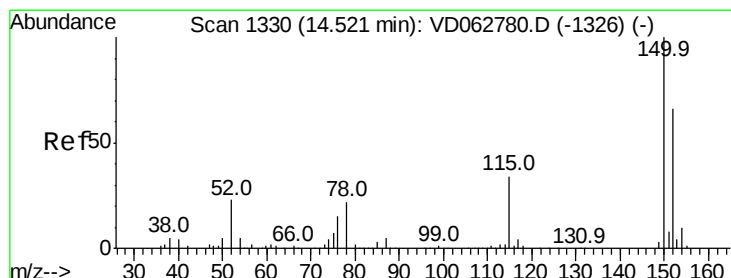
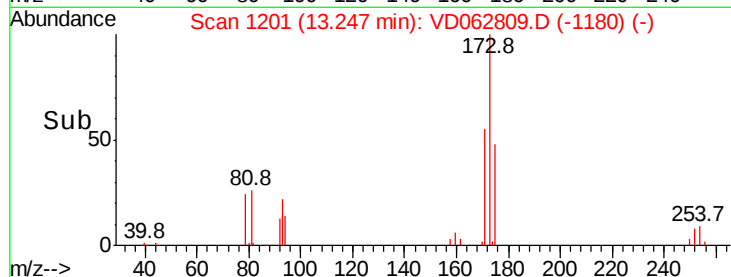
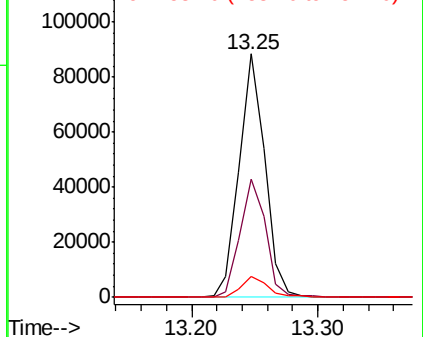
254 8.8 7.1 10.7



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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

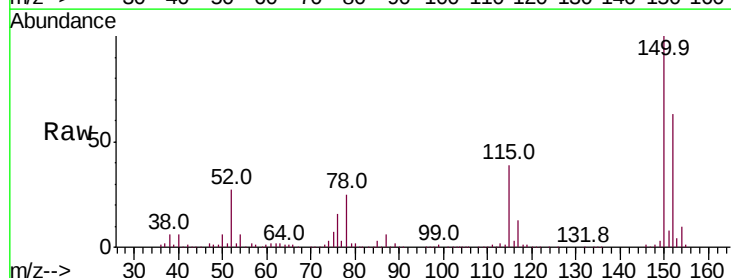
Tgt Ion:152 Resp: 604063

Ion Ratio Lower Upper

152 100

115 62.6 29.2 87.6

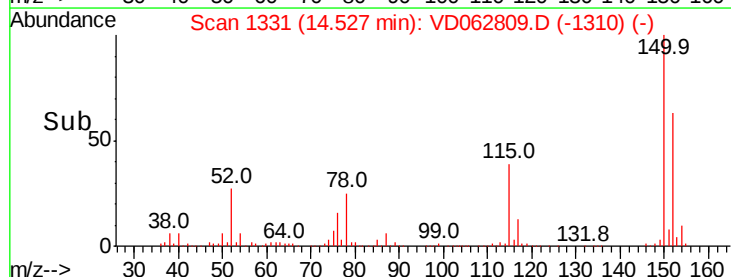
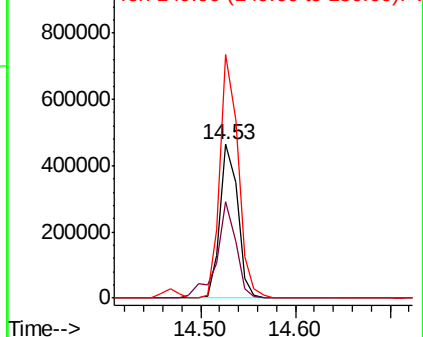
150 158.7 0.0 305.8

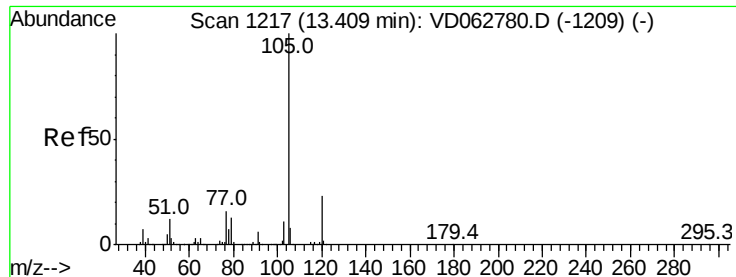


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.807 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

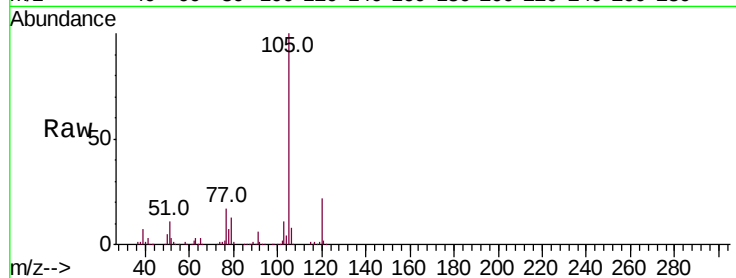
VD0621SBSD01

Tot Ion:105 Resp: 689694

Ion Ratio Lower Upper

105 100

120 22.4 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

600000

500000

400000

300000

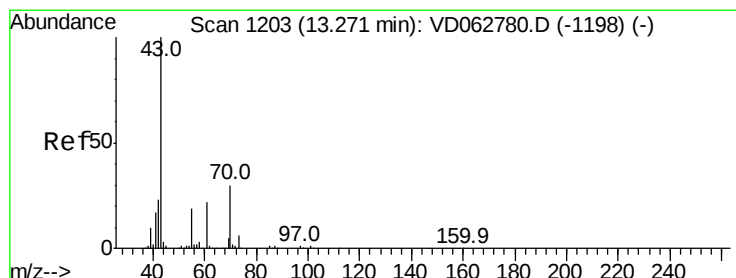
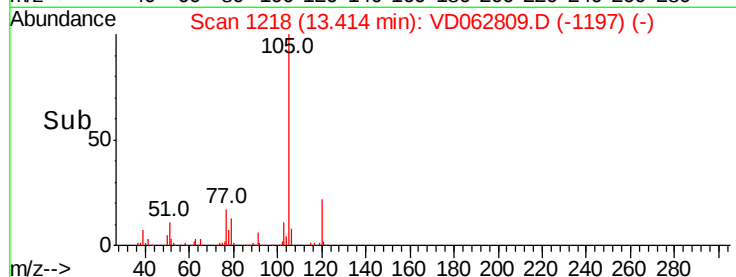
200000

100000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 19.801 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Tgt Ion: 43 Resp: 186242

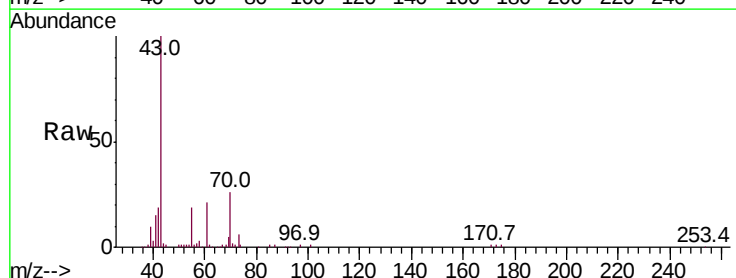
Ion Ratio Lower Upper

43 100

70 26.2 24.4 36.6

55 18.7 15.2 22.8

61 20.7 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

200000

150000

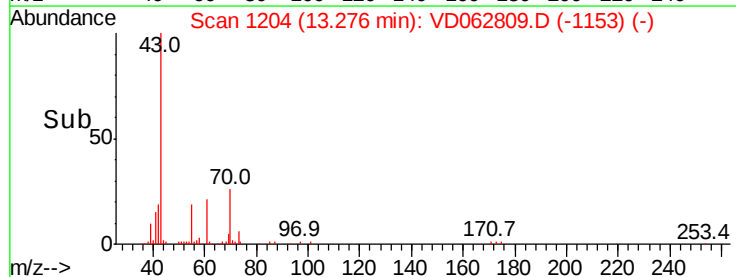
100000

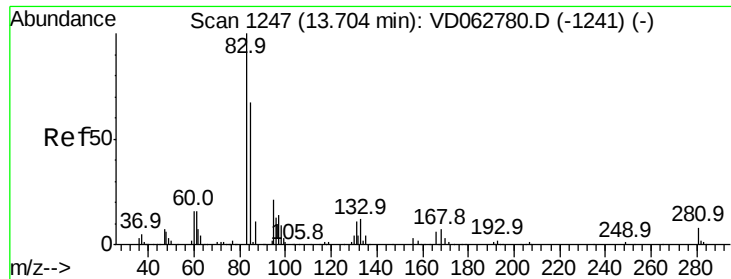
50000

0

13.20 13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.501 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

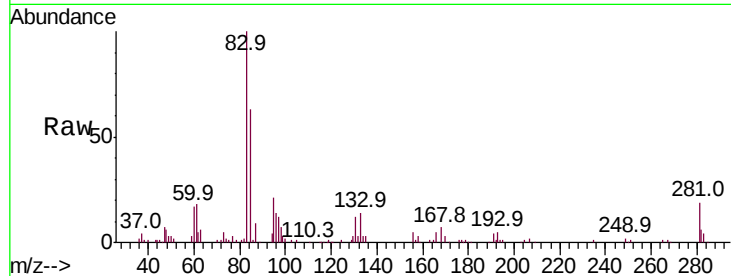
Tot Ion: 83 Resp: 123066

Ion Ratio Lower Upper

83 100

131 11.9 5.3 16.1

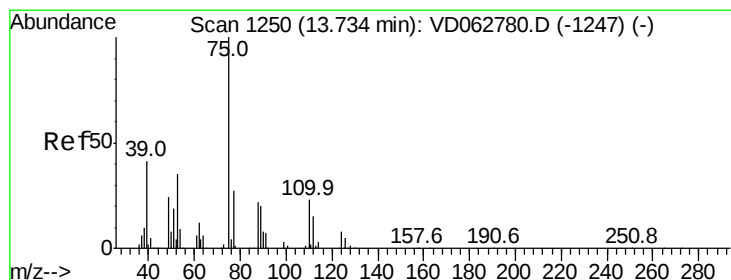
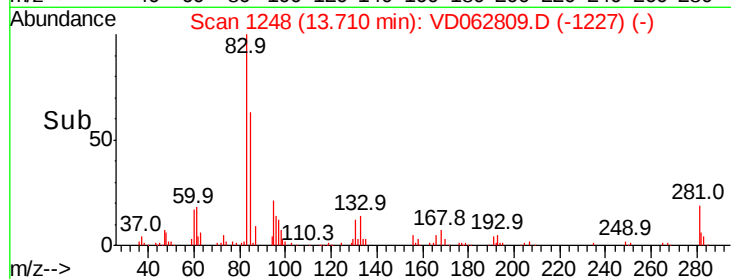
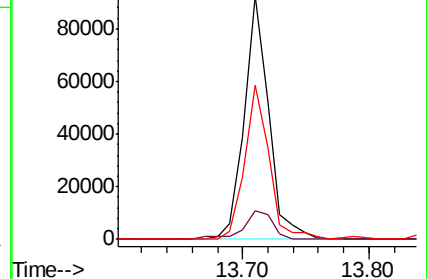
85 63.1 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.411 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062809.D

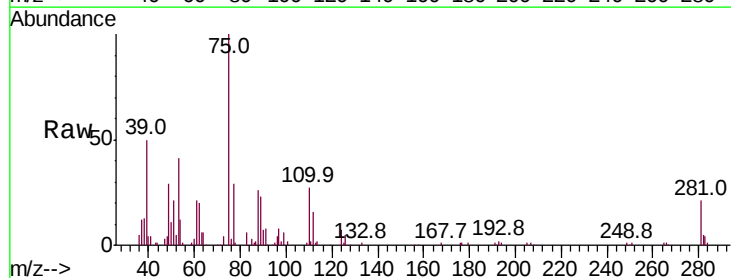
Acq: 21 Jun 2019 11:58

Tgt Ion: 75 Resp: 135361

Ion Ratio Lower Upper

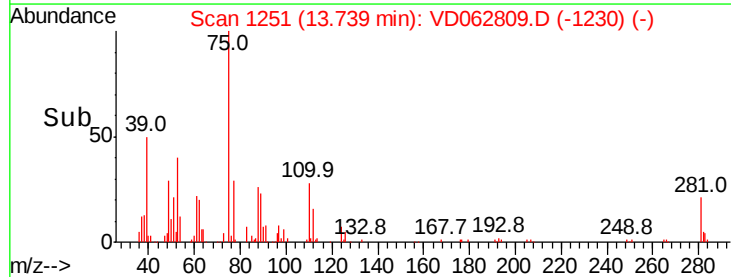
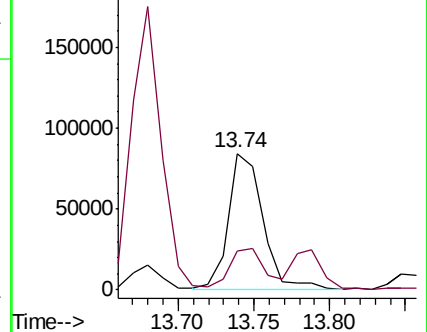
75 100

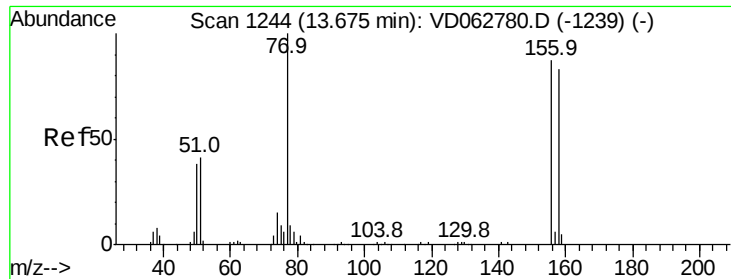
77 28.8 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

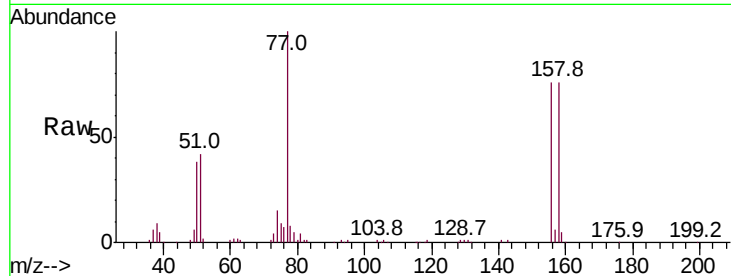




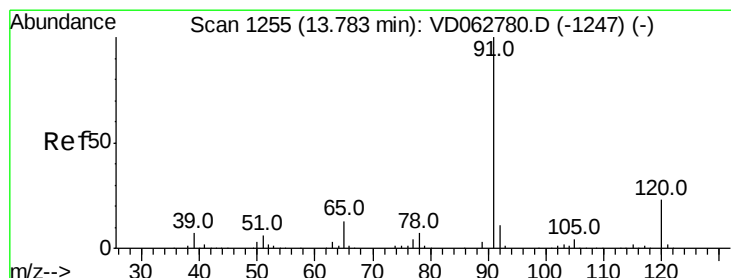
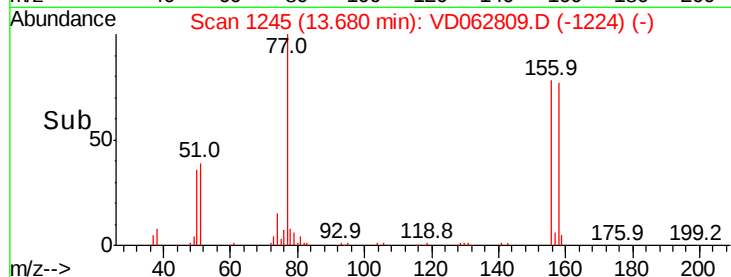
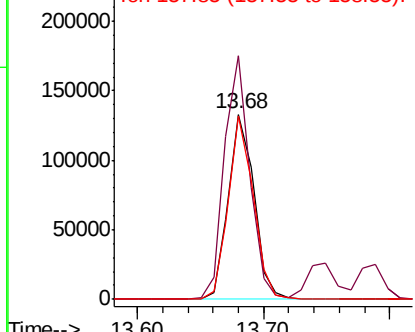
#77
Bromobenzene
Concen: 17.960 ug/l
RT: 13.68 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

Tot Ion:156 Resp: 187103
Ion Ratio Lower Upper
156 100
77 131.4 57.7 173.1
158 99.2 47.7 143.1

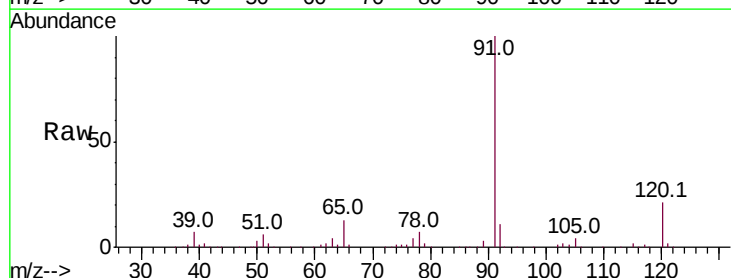


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

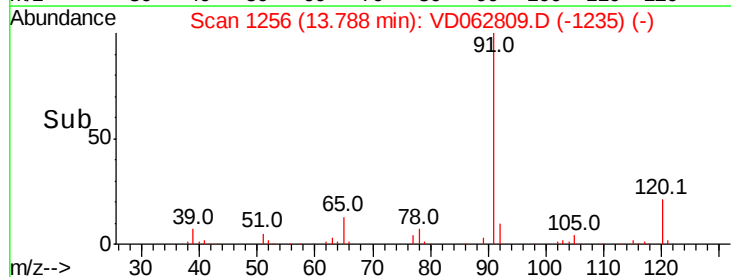
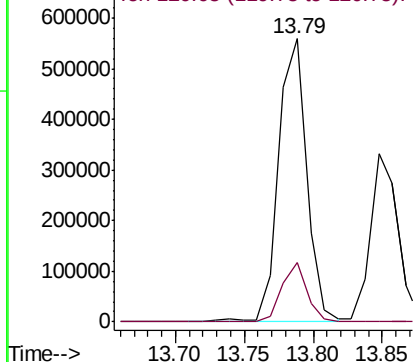


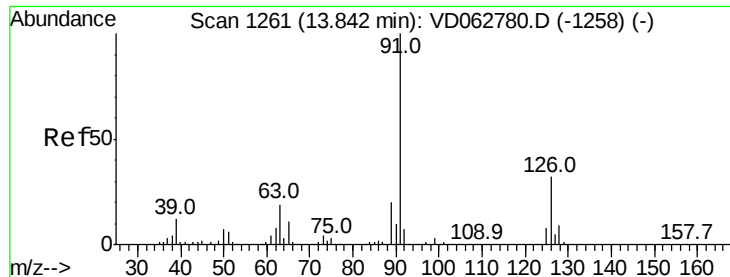
#78
n-propylbenzene
Concen: 17.482 ug/l
RT: 13.79 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Tgt Ion: 91 Resp: 788090
Ion Ratio Lower Upper
91 100
120 21.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

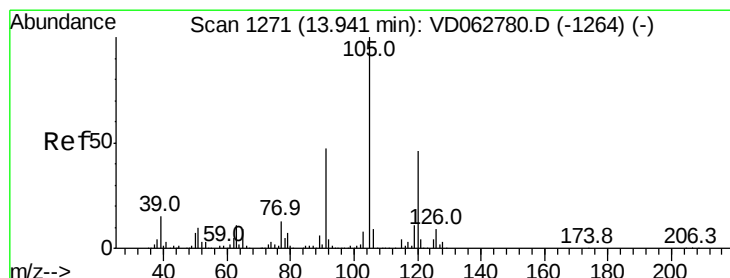
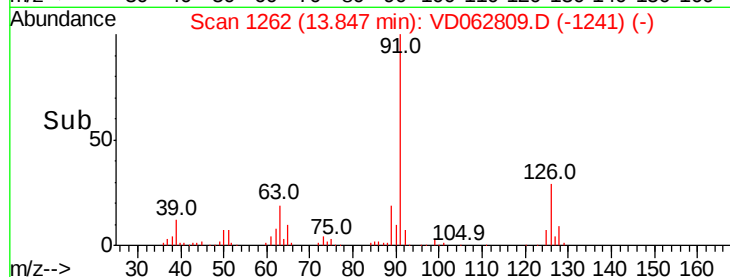
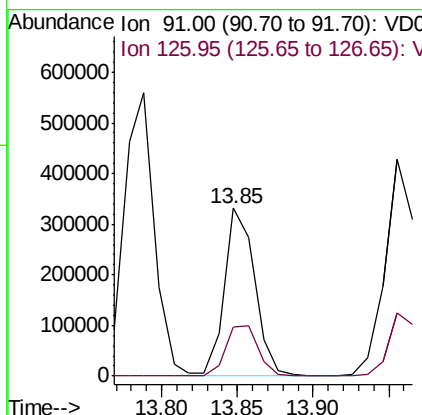
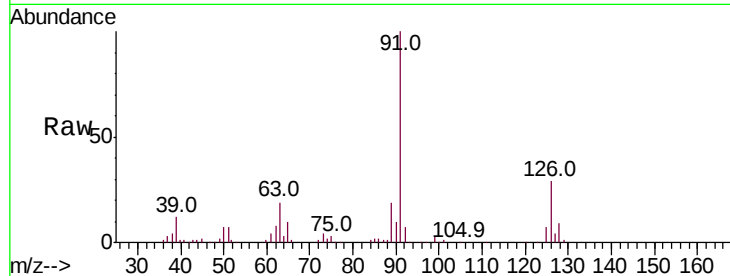




#79
 2-Chlorotoluene
 Concen: 17.898 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

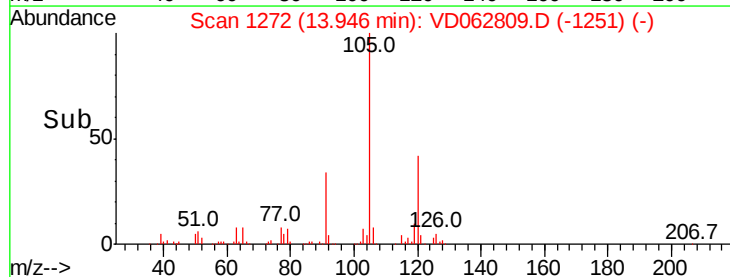
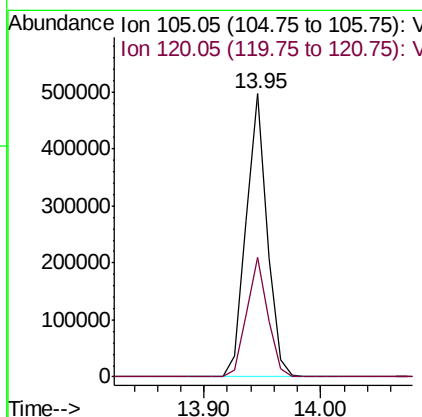
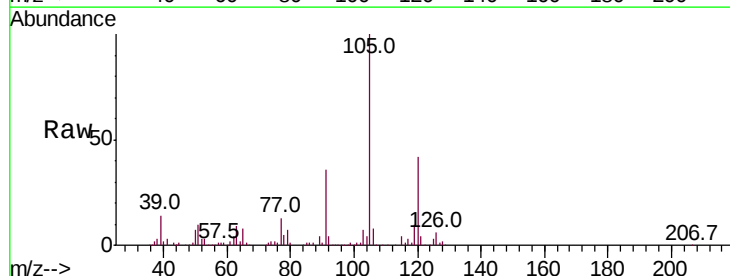
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

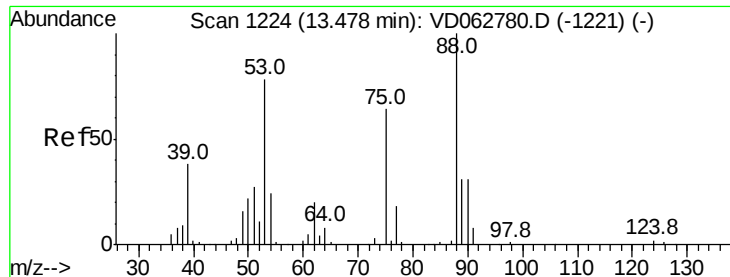
Tot Ion: 91 Resp: 461105
 Ion Ratio Lower Upper
 91 100
 126 29.0 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 19.124 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

Tgt Ion: 105 Resp: 622173
 Ion Ratio Lower Upper
 105 100
 120 42.1 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.615 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

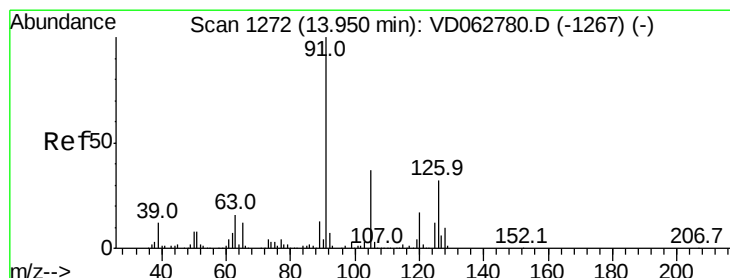
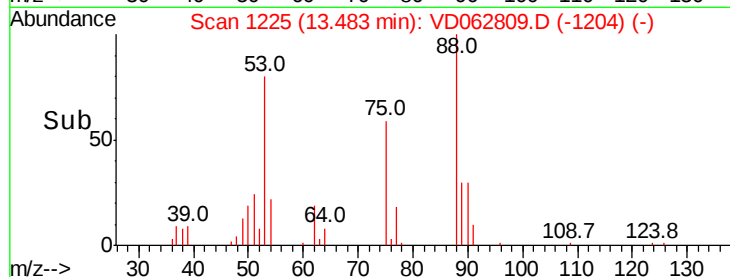
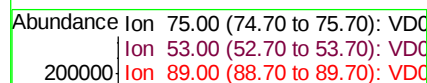
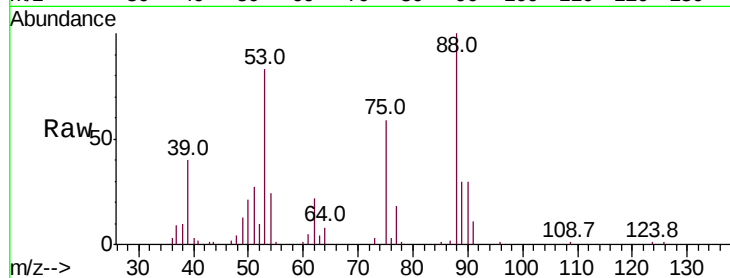
Tot Ion: 75 Resp: 35849

Ion Ratio Lower Upper

75 100

53 140.9 97.8 146.8

89 50.3 39.4 59.2



#82

4-Chlorotoluene

Concen: 19.395 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062809.D

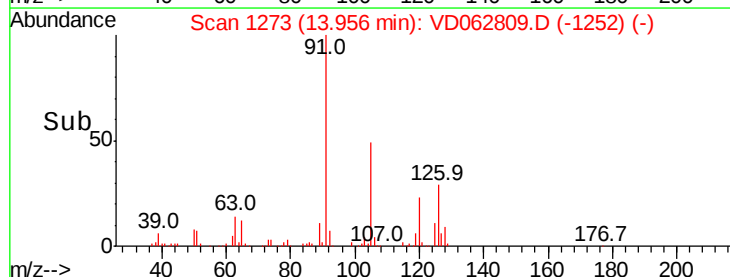
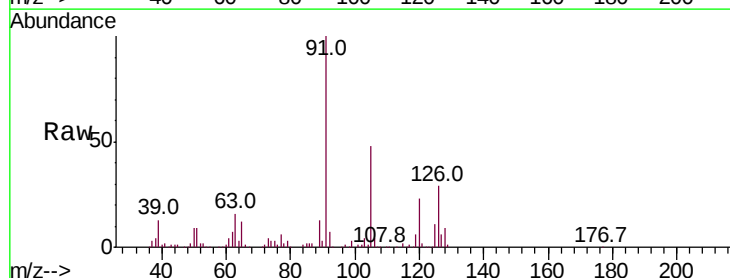
Acq: 21 Jun 2019 11:58

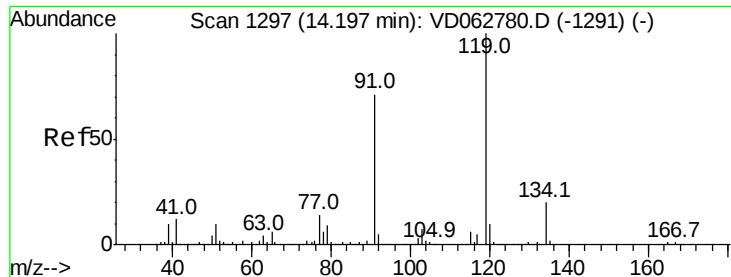
Tgt Ion: 91 Resp: 601558

Ion Ratio Lower Upper

91 100

126 29.2 16.0 47.9

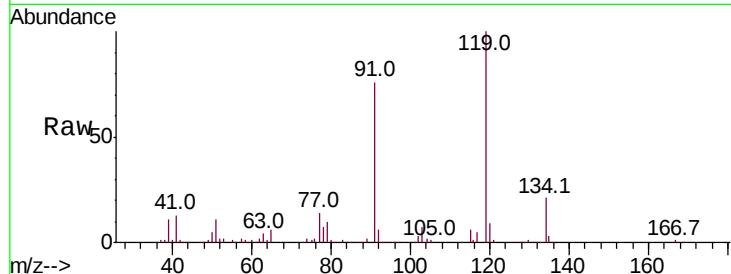




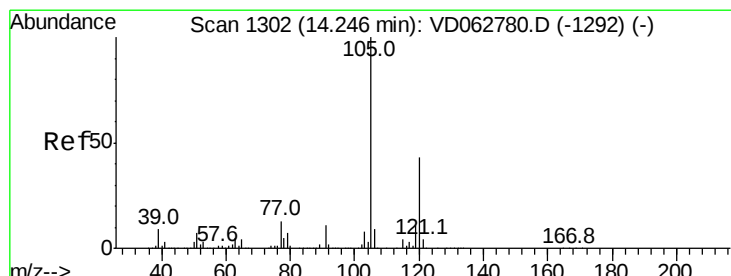
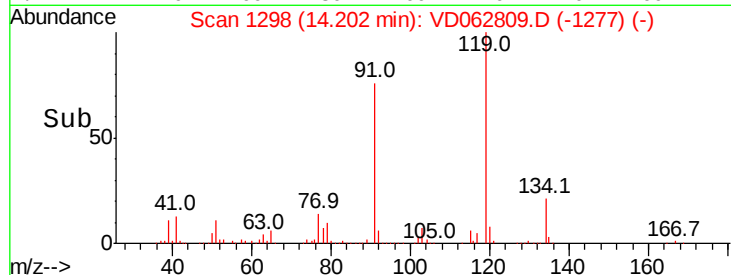
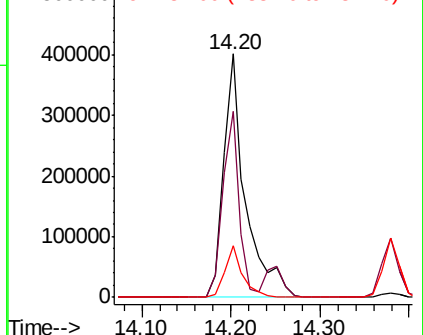
#83
tert-Butylbenzene
Concen: 19.019 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

Tot Ion:119 Resp: 689698
Ion Ratio Lower Upper
119 100
91 76.3 35.5 106.5
134 21.1 10.2 30.6

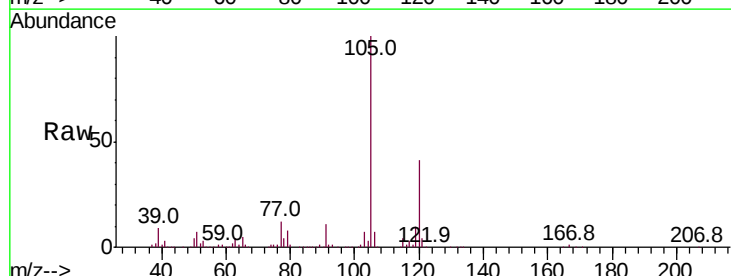


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

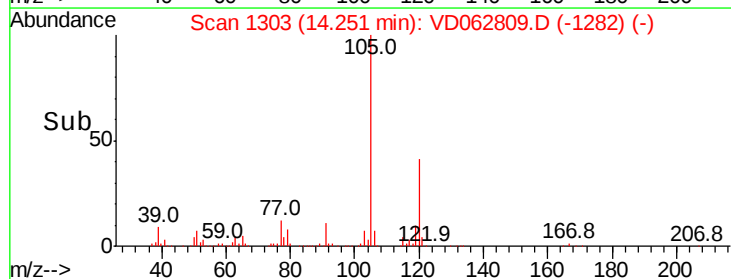
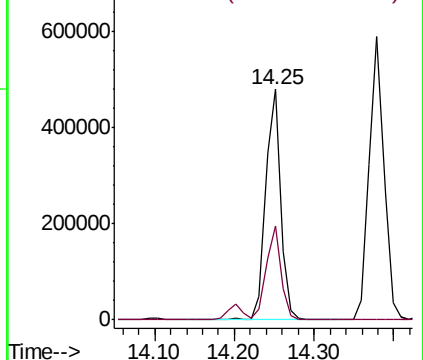


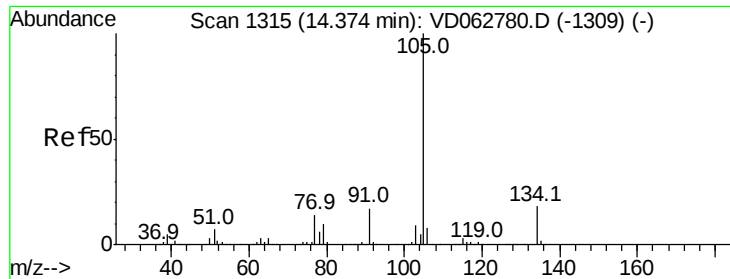
#84
1,2,4-Trimethylbenzene
Concen: 18.730 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.01 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Tgt Ion:105 Resp: 624538
Ion Ratio Lower Upper
105 100
120 40.6 21.3 63.9



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

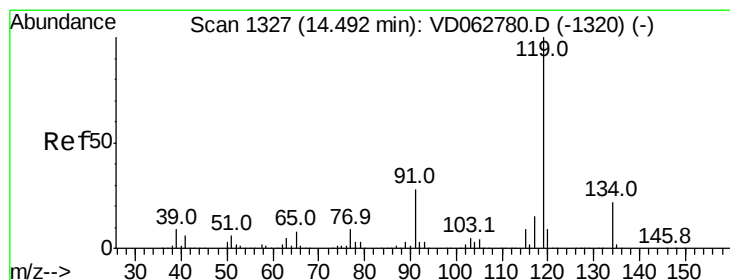
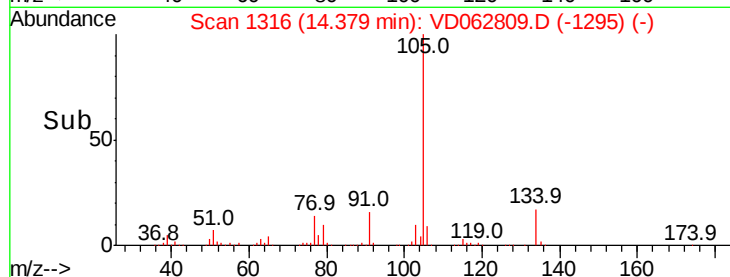
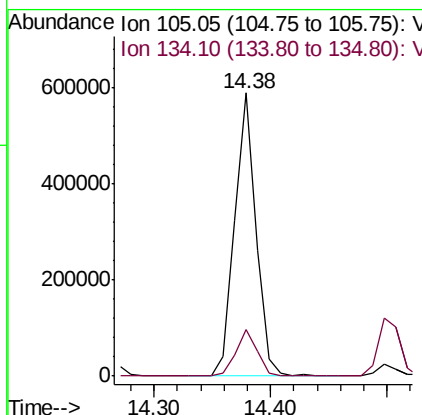
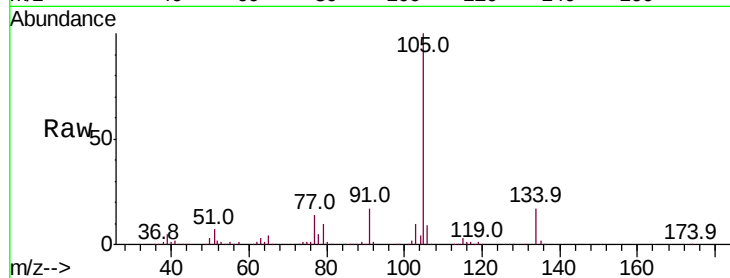




#85
 sec-Butylbenzene
 Concen: 18.899 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

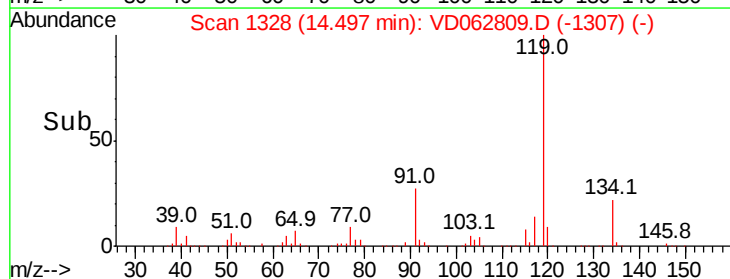
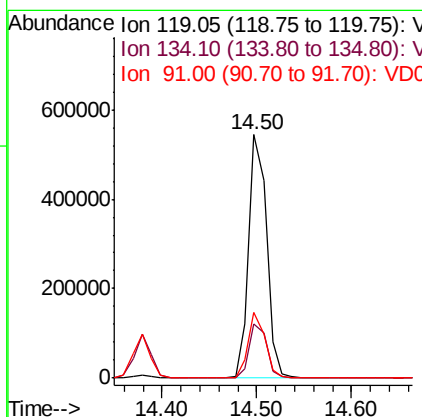
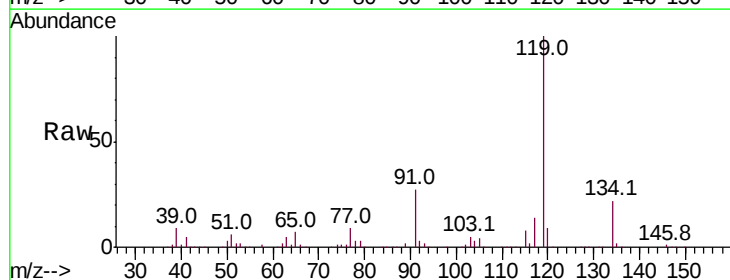
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

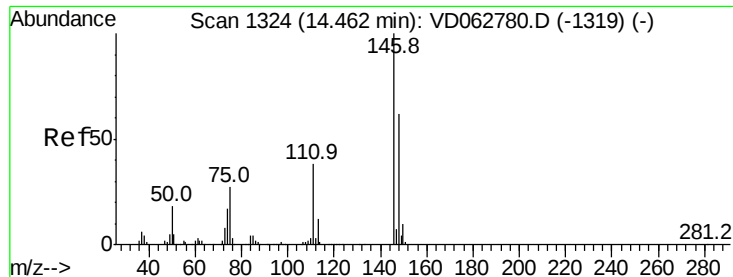
Tot Ion:105 Resp: 744881
 Ion Ratio Lower Upper
 105 100
 134 16.6 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 19.904 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

Tgt Ion:119 Resp: 717673
 Ion Ratio Lower Upper
 119 100
 134 22.2 11.1 33.1
 91 27.2 14.0 41.9





#87

1,3-Dichlorobenzene

Concen: 19.016 ug/l

RT: 14.47 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

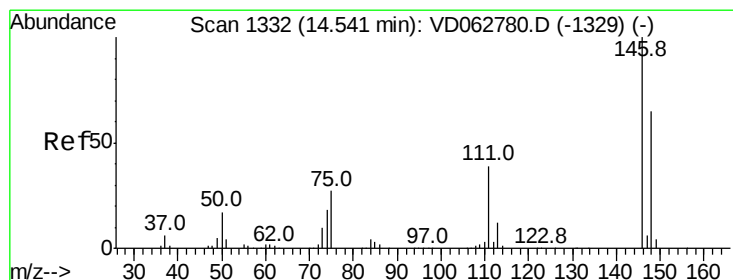
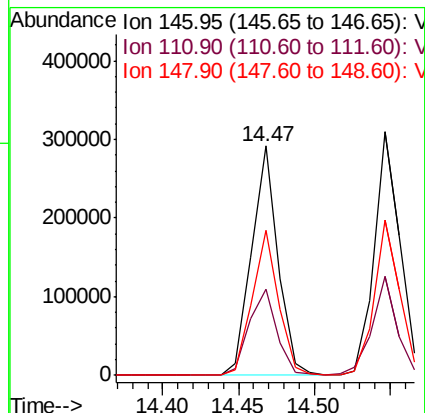
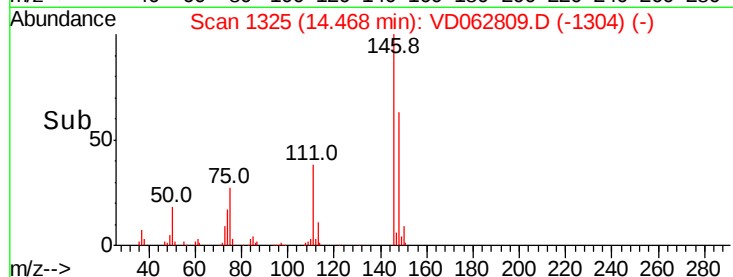
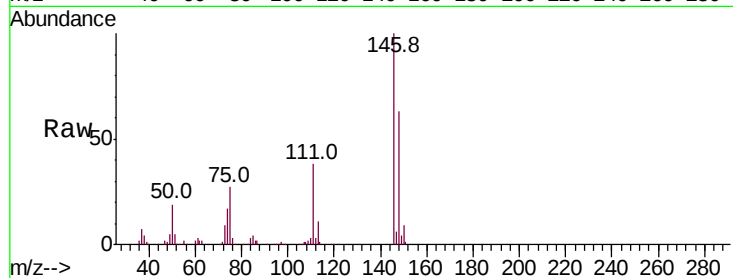
Tot Ion:146 Resp: 355116

Ion Ratio Lower Upper

146 100

111 37.5 19.0 57.0

148 63.0 30.8 92.3



#88

1,4-Dichlorobenzene

Concen: 19.707 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD062809.D

Acq: 21 Jun 2019 11:58

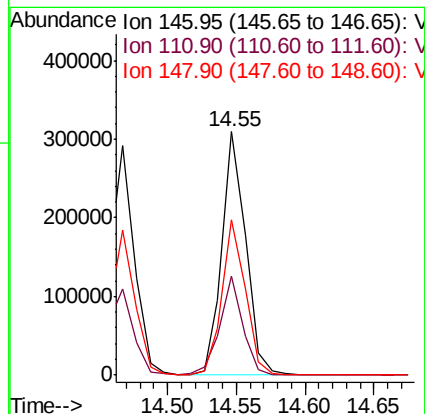
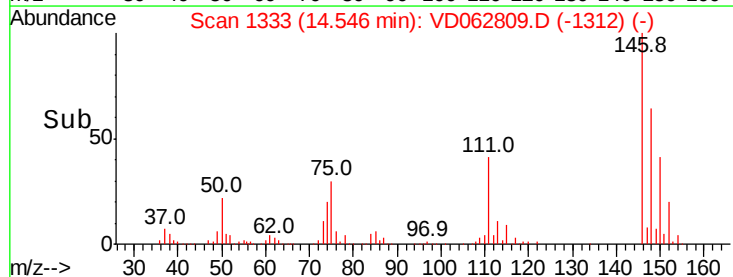
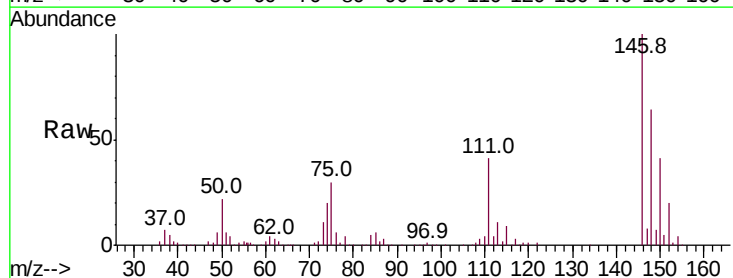
Tgt Ion:146 Resp: 369627

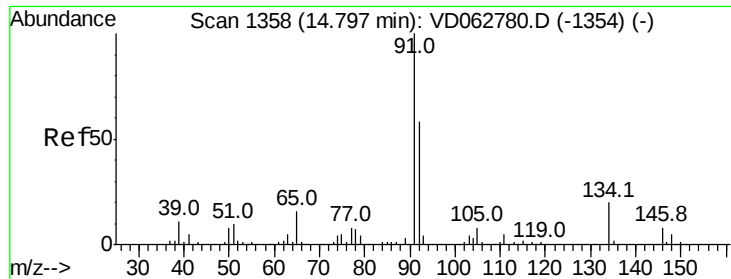
Ion Ratio Lower Upper

146 100

111 40.7 19.7 59.1

148 63.7 32.8 98.3

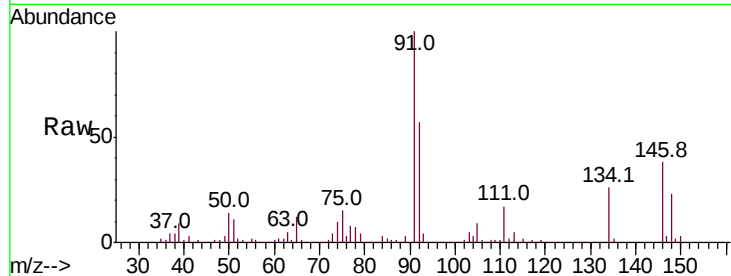




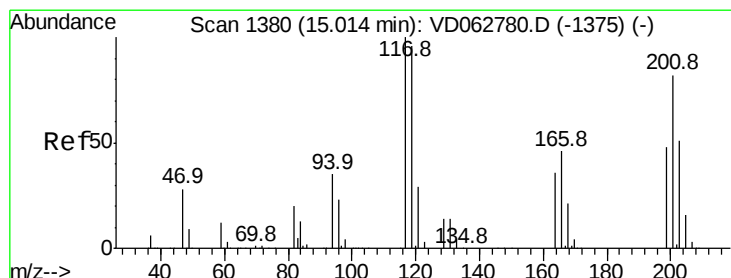
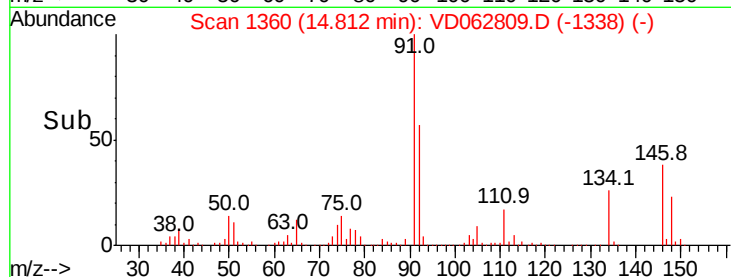
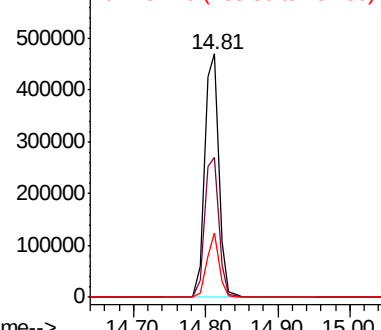
#89
n-Butylbenzene
Concen: 19.076 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

Tot Ion: 91 Resp: 643759
Ion Ratio Lower Upper
91 100
92 57.5 28.9 86.7
134 26.4 10.1 30.3

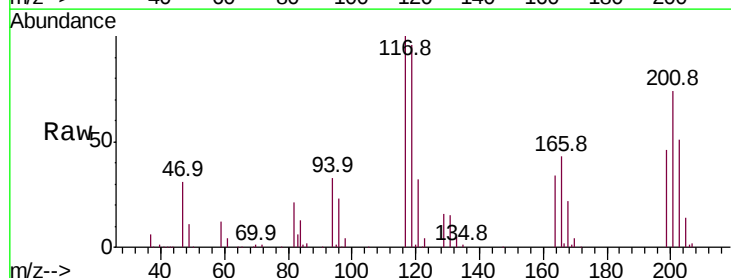


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

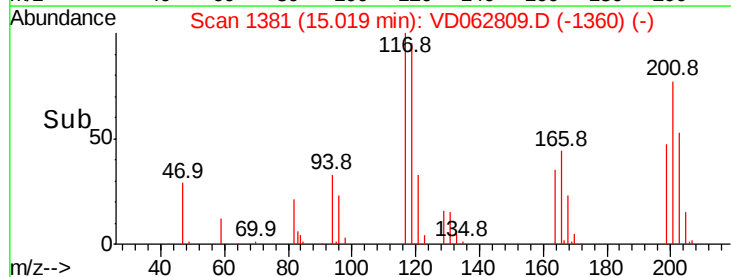
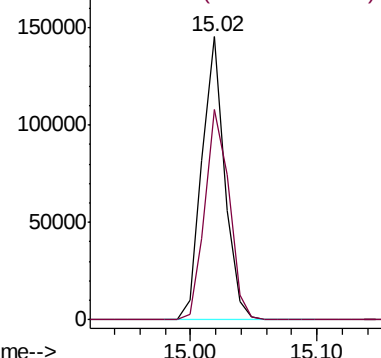


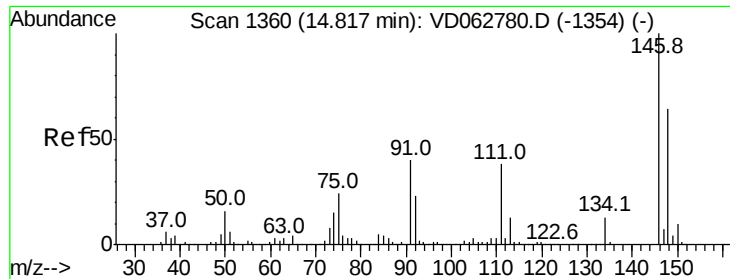
#90
Hexachloroethane
Concen: 18.557 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Tgt Ion: 117 Resp: 179902
Ion Ratio Lower Upper
117 100
201 74.2 40.8 122.2



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

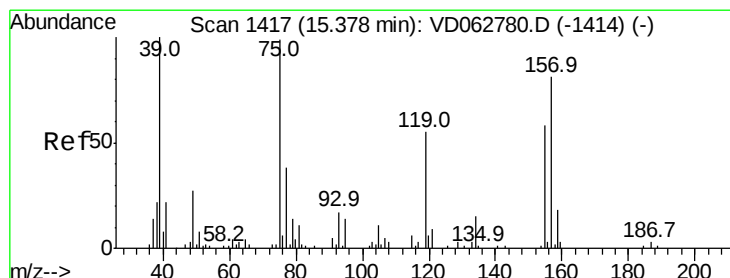
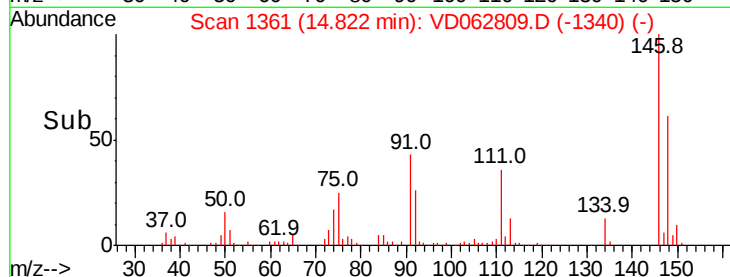
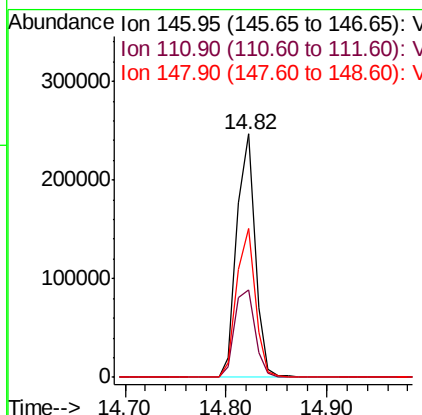
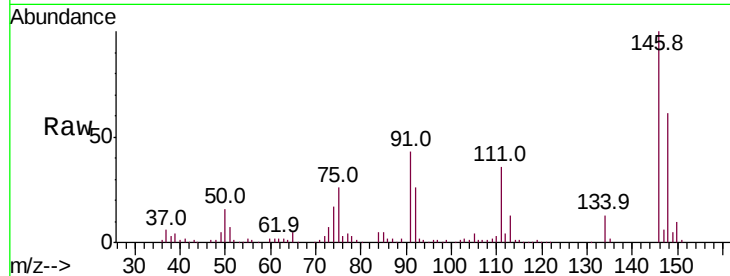




#91
 1,2-Dichlorobenzene
 Concen: 19.591 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

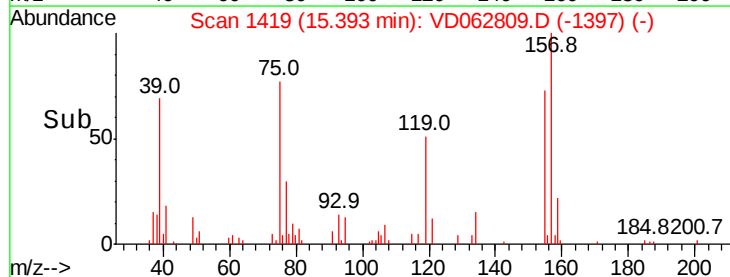
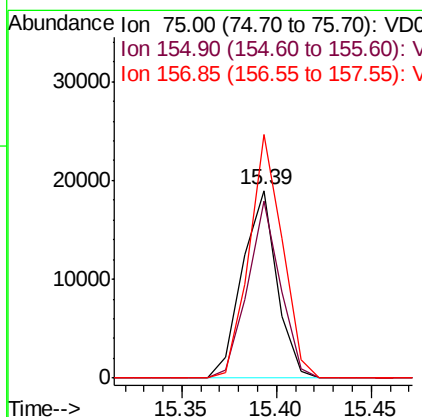
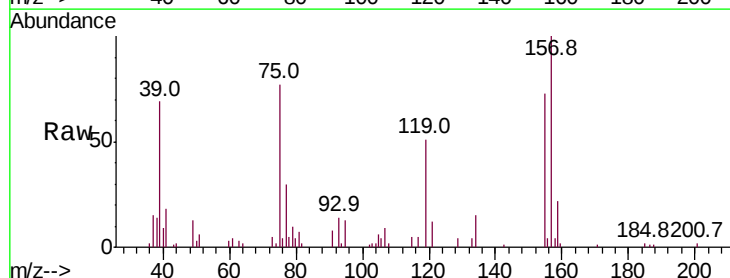
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

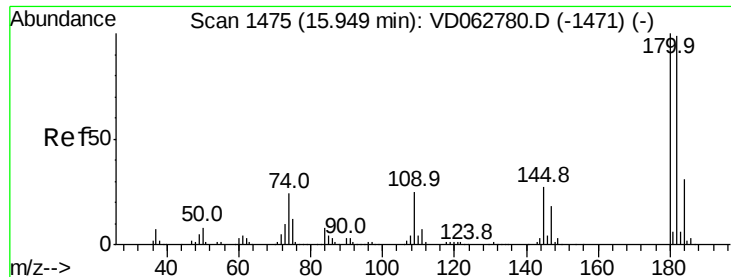
Tot Ion:146 Resp: 313014
 Ion Ratio Lower Upper
 146 100
 111 35.9 19.1 57.1
 148 61.4 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.383 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.02 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

Tgt Ion: 75 Resp: 23874
 Ion Ratio Lower Upper
 75 100
 155 94.6 29.3 87.8#
 157 130.0 41.3 123.7#

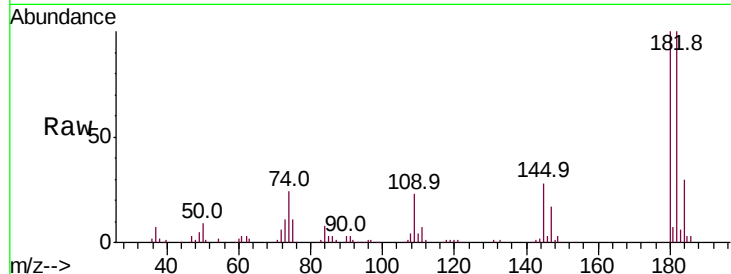




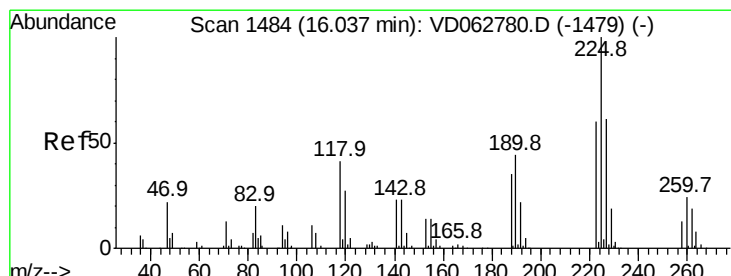
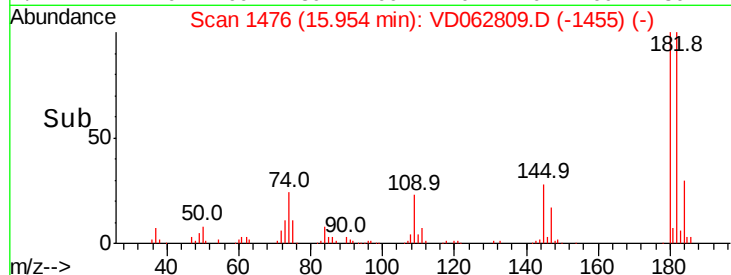
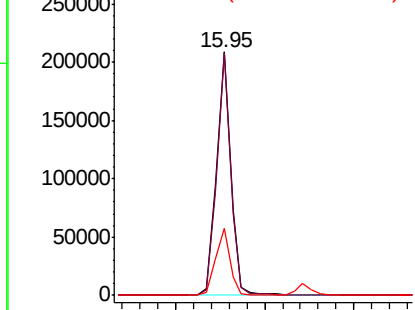
#93
 1,2,4-Trichlorobenzene
 Concen: 18.829 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

Tot Ion:180 Resp: 235008
 Ion Ratio Lower Upper
 180 100
 182 99.7 49.5 148.5
 145 27.7 13.7 41.0

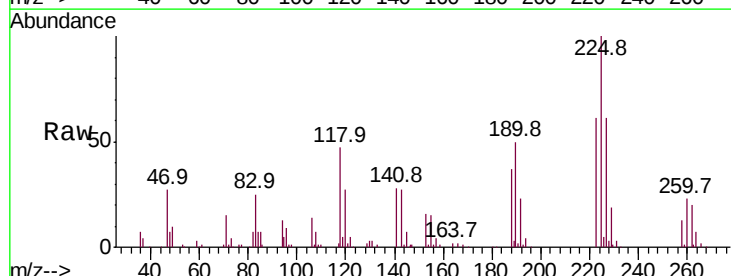


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

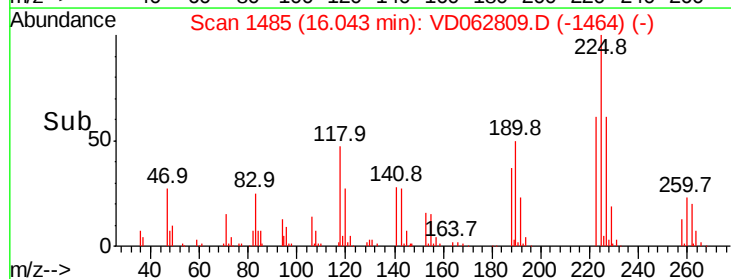
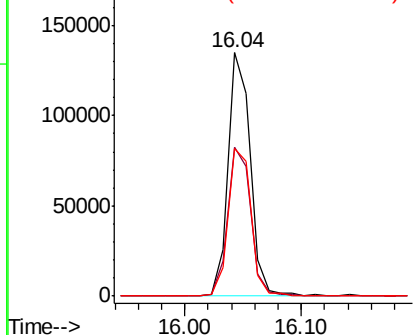


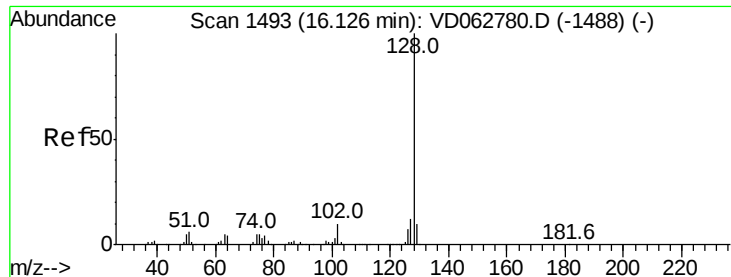
#94
 Hexachlorobutadiene
 Concen: 18.692 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062809.D
 Acq: 21 Jun 2019 11:58

Tgt Ion:225 Resp: 178224
 Ion Ratio Lower Upper
 225 100
 223 61.1 29.8 89.5
 227 60.6 30.6 91.6



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

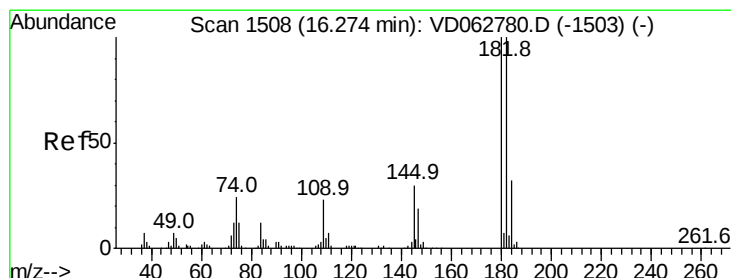
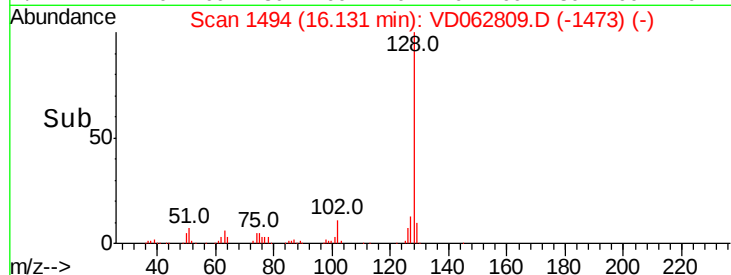
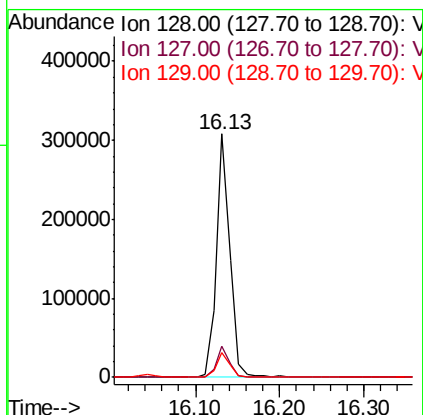
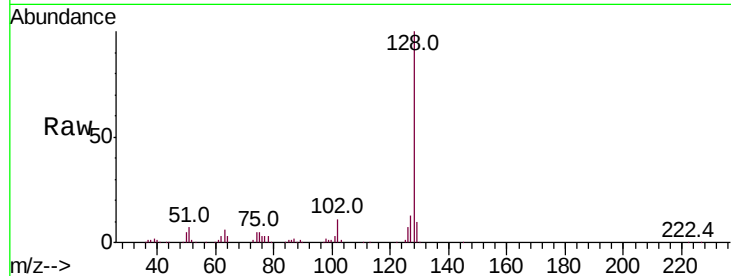




#95
Naphthalene
Concen: 19.396 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

Tot Ion:128 Resp: 339297
Ion Ratio Lower Upper
128 100
127 13.0 9.7 14.5
129 10.2 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 18.958 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062809.D
Acq: 21 Jun 2019 11:58

Tgt Ion:180 Resp: 181798
Ion Ratio Lower Upper
180 100
182 92.0 49.9 149.6
145 27.5 15.2 45.5

