

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062643.D
 Acq On : 7 Jun 2019 16:16
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 07 23:32:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 23:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	779877	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1038339	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	868314	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	502791	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	825566	72.75	ug/l	0.01
Spiked Amount	50.000		Recovery	=	145.50%	
35) Dibromofluoromethane	6.93	113	814521	74.36	ug/l	0.01
Spiked Amount	50.000		Recovery	=	148.72%	
50) Toluene-d8	10.42	98	1892998	81.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	162.34%	
62) 4-Bromofluorobenzene	13.56	95	857048	77.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	154.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	705606	70.295	ug/l	95
3) Chloromethane	1.75	50	560002	71.236	ug/l	98
4) Vinyl Chloride	1.85	62	611306	76.966	ug/l	98
5) Bromomethane	2.16	94	284896	71.506	ug/l	99
6) Chloroethane	2.26	64	310953	75.770	ug/l	93
7) Trichlorofluoromethane	2.53	101	1419257	78.623	ug/l	99
8) Diethyl Ether	2.87	74	179830	73.052	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.15	101	823785	82.292	ug/l	98
10) Methyl Iodide	3.31	142	1112732	87.192	ug/l	95
11) Tert butyl alcohol	4.10	59	176345	358.058	ug/l #	80
12) 1,1-Dichloroethene	3.13	96	578683	82.963	ug/l	98
13) Acrolein	3.04	56	45457	333.963	ug/l	95
14) Allyl chloride	3.62	41	883304	82.368	ug/l	95
15) Acrylonitrile	4.20	53	458312	429.828	ug/l	99
16) Acetone	3.23	43	925764	439.055	ug/l	98
17) Carbon Disulfide	3.38	76	1811915	86.934	ug/l	100
18) Methyl Acetate	3.65	43	235907	68.751	ug/l #	86
19) Methyl tert-butyl Ether	4.25	73	1443226	83.904	ug/l	98
20) Methylene Chloride	3.82	84	592464	75.344	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	667612	85.449	ug/l	95
22) Diisopropyl ether	5.13	45	1899612	86.545	ug/l	99
23) Vinyl Acetate	5.07	43	5826357	420.681	ug/l	98
24) 1,1-Dichloroethane	4.99	63	1189557	82.077	ug/l	99
25) 2-Butanone	6.08	43	844571	410.945	ug/l	99
26) 2,2-Dichloropropane	6.02	77	1360555	81.145	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	668332	80.383	ug/l	94
28) Bromochloromethane	6.45	49	405468	78.130	ug/l	99
29) Tetrahydrofuran	6.48	42	360426	389.718	ug/l	99
30) Chloroform	6.67	83	1539807	82.536	ug/l	97
31) Cyclohexane	6.96	56	778779	87.672	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	1554125	82.371	ug/l	97
36) 1,1-Dichloropropene	7.15	75	1015259	82.098	ug/l	98
37) Ethyl Acetate	6.19	43	383341	71.106	ug/l	97
38) Carbon Tetrachloride	7.12	117	1665332	85.317	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 23:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	842128	85.572	ug/l	93
40) Benzene	7.46	78	1969081	83.588	ug/l	100
41) Methacrylonitrile	6.46	41	510256	78.971	ug/l #	90
42) 1,2-Dichloroethane	7.59	62	1132654	80.173	ug/l	97
43) Isopropyl Acetate	9.24	43	538093	85.001	ug/l #	99
44) Trichloroethene	8.54	130	826695	85.016	ug/l	95
45) 1,2-Dichloropropane	8.95	63	496455	86.871	ug/l	98
46) Dibromomethane	9.07	93	410527	80.211	ug/l	95
47) Bromodichloromethane	9.38	83	1171293	84.292	ug/l	96
48) Methyl methacrylate	9.13	41	371910	78.917	ug/l	95
49) 1,4-Dioxane	9.10	88	66147	1776.795	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	1853193	412.275	ug/l	100
52) Toluene	10.51	92	1301279	80.728	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	946304	82.734	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	1017015	85.932	ug/l #	95
55) 1,1,2-Trichloroethane	11.19	97	442302	82.119	ug/l	98
56) Ethyl methacrylate	11.05	69	502723	85.390	ug/l	97
57) 1,3-Dichloropropane	11.41	76	747832	88.284	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	973450	328.993	ug/l	100
59) 2-Hexanone	11.54	43	1401644	414.260	ug/l	98
60) Dibromochloromethane	11.69	129	902118	84.324	ug/l	98
61) 1,2-Dibromoethane	11.81	107	541210	82.856	ug/l	99
64) Tetrachloroethene	11.26	164	681102	82.619	ug/l	96
65) Chlorobenzene	12.40	112	1631436	83.870	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	786679	84.398	ug/l	99
67) Ethyl Benzene	12.53	91	2900478	83.870	ug/l	97
68) m/p-Xylenes	12.67	106	2016174	166.161	ug/l	99
69) o-Xylene	13.05	106	970148	85.181	ug/l	94
70) Styrene	13.07	104	1744414	85.897	ug/l	97
71) Bromoform	13.24	173	569552	87.909	ug/l	98
73) Isopropylbenzene	13.41	105	3096621	84.583	ug/l	98
74) N-amyl acetate	13.27	43	856108	86.849	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	506808	81.821	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	583916	84.177	ug/l	98
77) Bromobenzene	13.67	156	845836	82.115	ug/l	95
78) n-propylbenzene	13.78	91	3551760	80.141	ug/l	94
79) 2-Chlorotoluene	13.84	91	2097888	81.138	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	2765968	86.564	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	152657	85.434	ug/l	95
82) 4-Chlorotoluene	13.95	91	2563871	82.419	ug/l	99
83) tert-Butylbenzene	14.20	119	2966644	83.217	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	2648277	82.499	ug/l	99
85) sec-Butylbenzene	14.37	105	3227280	87.053	ug/l	99
86) p-Isopropyltoluene	14.49	119	2882714	80.150	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1569346	82.367	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	1471232	82.209	ug/l	98
89) n-Butylbenzene	14.80	91	2615894	79.826	ug/l	99
90) Hexachloroethane	15.01	117	799766	84.419	ug/l	99
91) 1,2-Dichlorobenzene	14.82	146	1150925	73.499	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	116306	85.028	ug/l #	41

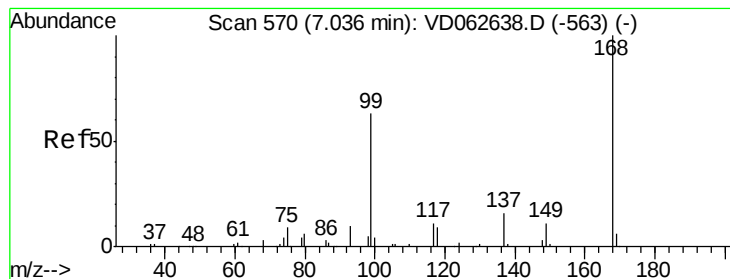
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060719\
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Quant Title : SW846 8260
QLast Update : Fri Jun 07 23:24:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	1004562	84.560	ug/l	99
94) Hexachlorobutadiene	16.04	225	769521	82.033	ug/l	99
95) Naphthalene	16.12	128	1389860	84.211	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	726894	80.761	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

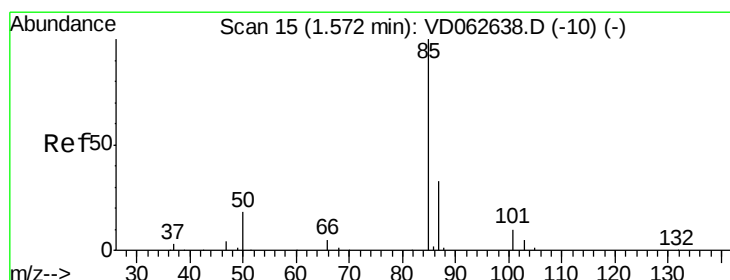
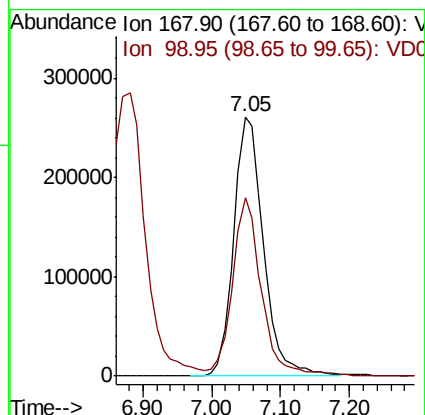
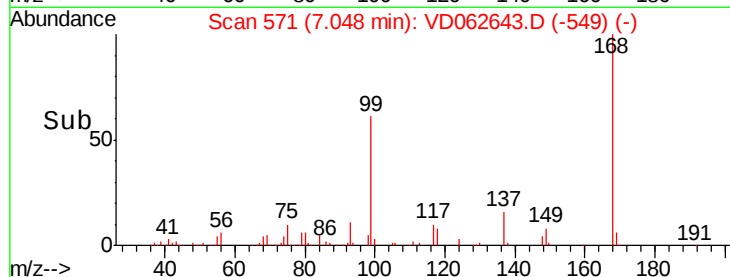
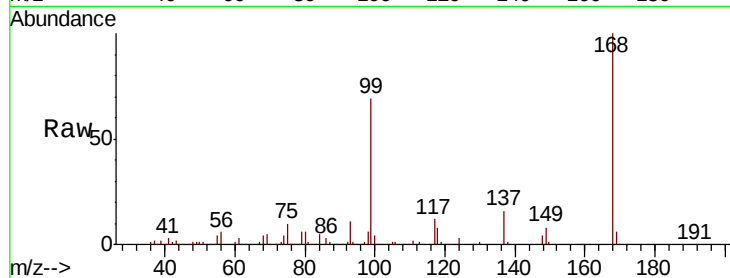
ClientSampleId :

Tot Ion:168 Resp: 779877

Ion Ratio Lower Upper

168 100

99 69.1 51.4 77.2



#2

Dichlorodifluoromethane

Concen: 70.295 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062643.D

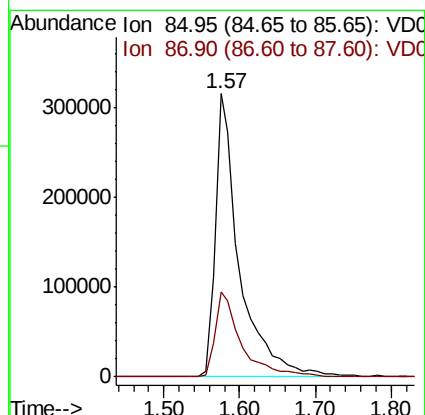
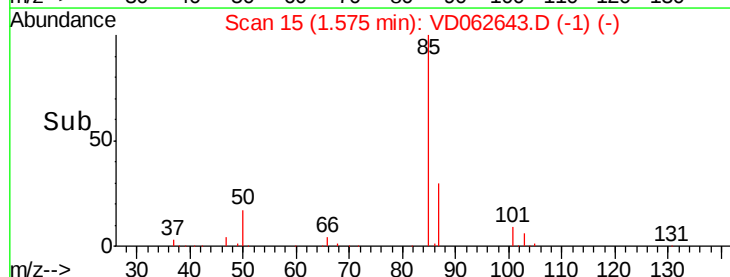
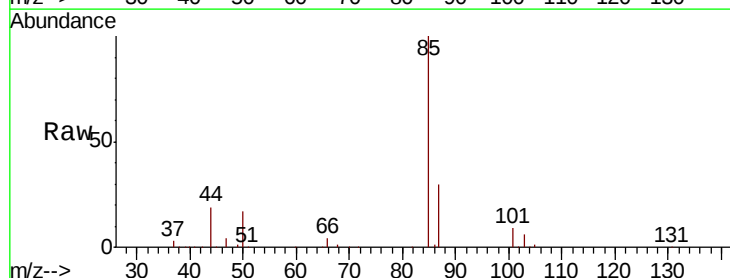
Acq: 7 Jun 2019 16:16

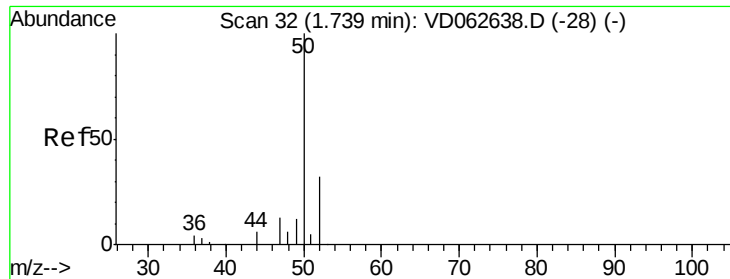
Tgt Ion: 85 Resp: 705606

Ion Ratio Lower Upper

85 100

87 30.2 16.6 49.7





#3

Chloromethane

Concen: 71.236 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

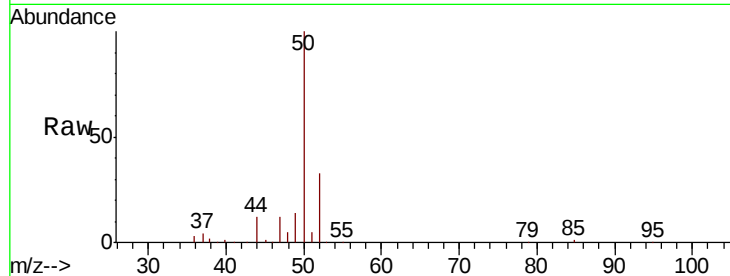
ClientSampleId :

Tot Ion: 50 Resp: 560002

Ion Ratio Lower Upper

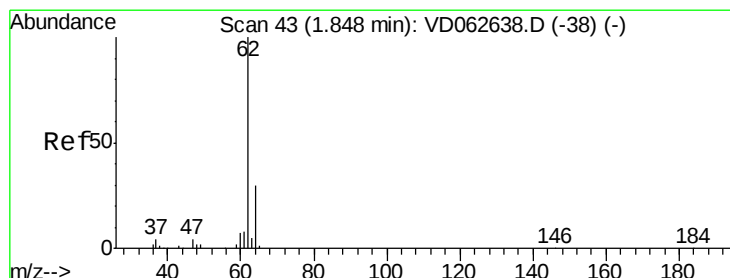
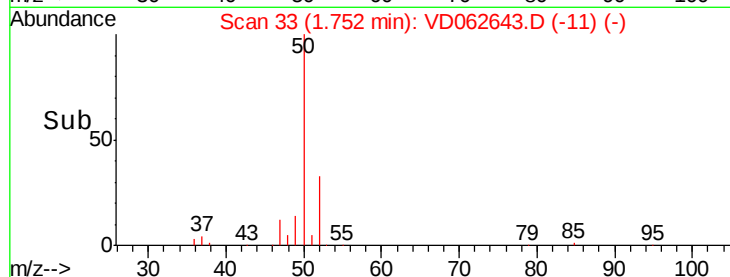
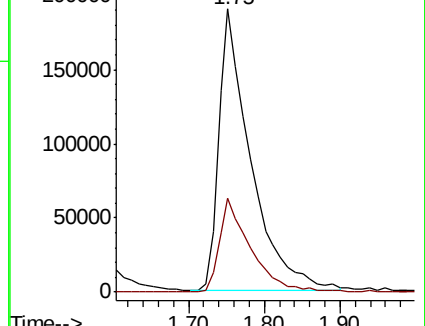
50 100

52 33.2 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 76.966 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD062643.D

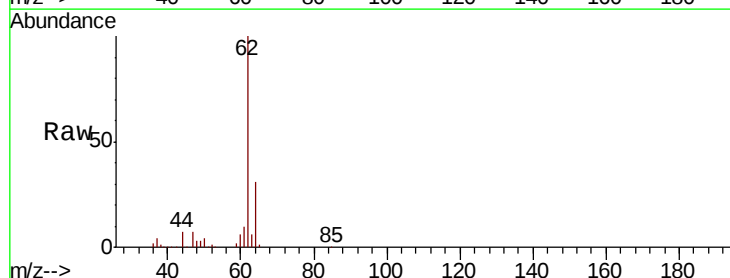
Acq: 7 Jun 2019 16:16

Tgt Ion: 62 Resp: 611306

Ion Ratio Lower Upper

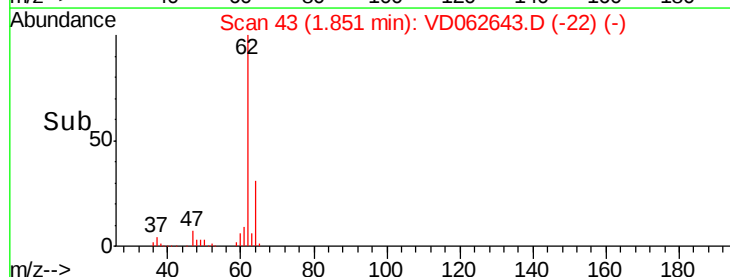
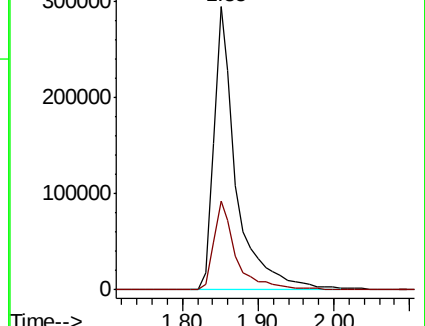
62 100

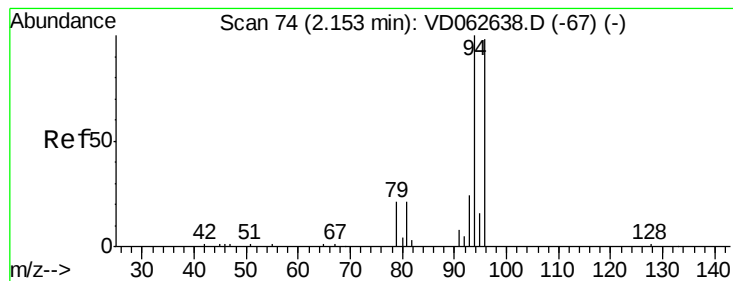
64 31.2 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 71.506 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

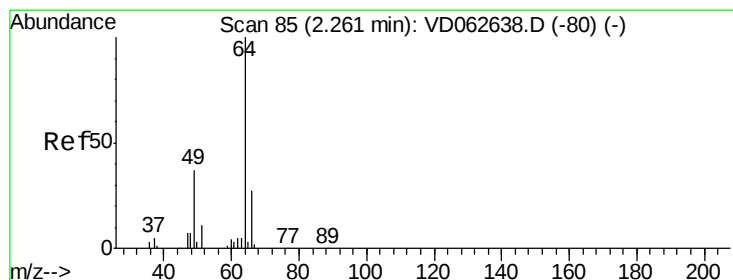
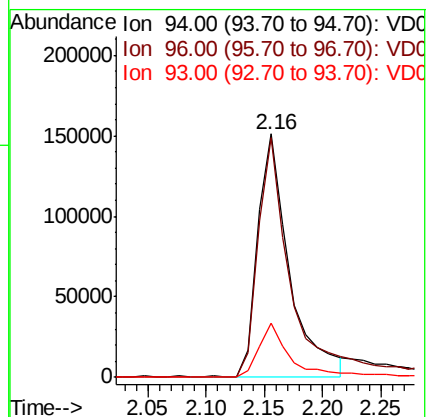
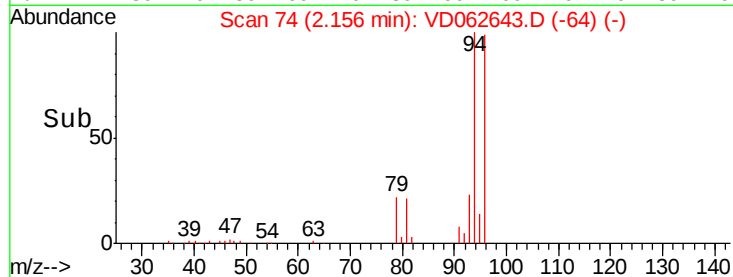
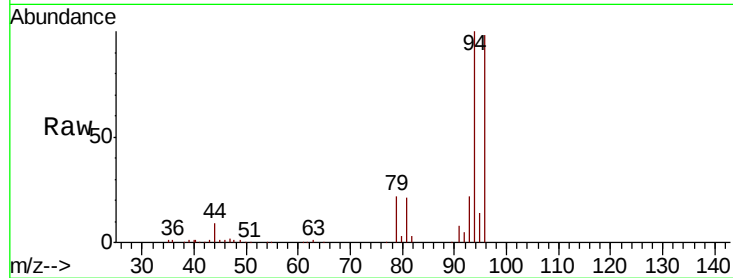
Tot Ion: 94 Resp: 284896

Ion Ratio Lower Upper

94 100

96 98.4 78.1 117.1

93 22.5 19.6 29.4



#6

Chloroethane

Concen: 75.770 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD062643.D

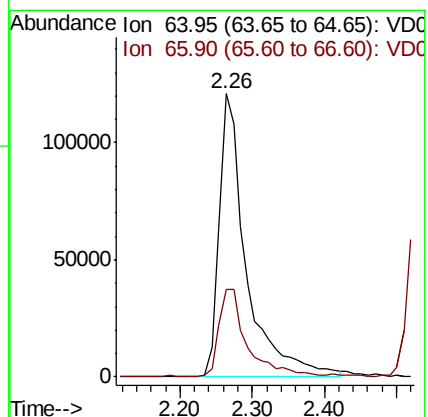
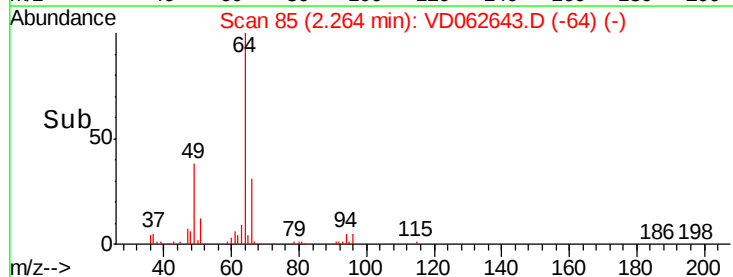
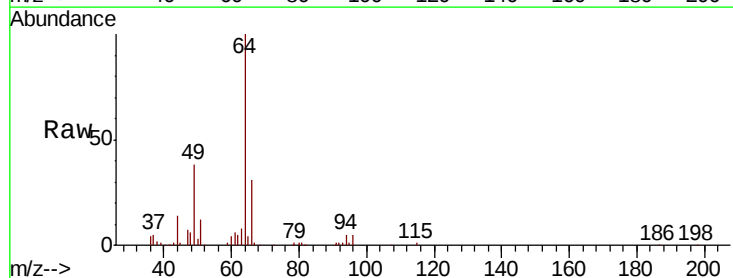
Acq: 7 Jun 2019 16:16

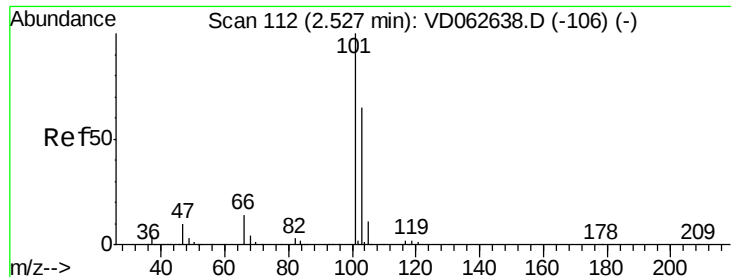
Tgt Ion: 64 Resp: 310953

Ion Ratio Lower Upper

64 100

66 31.1 21.9 32.9



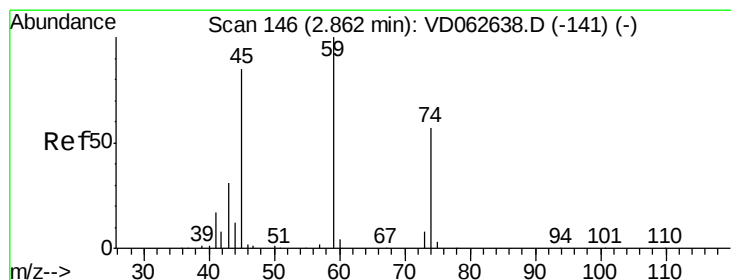
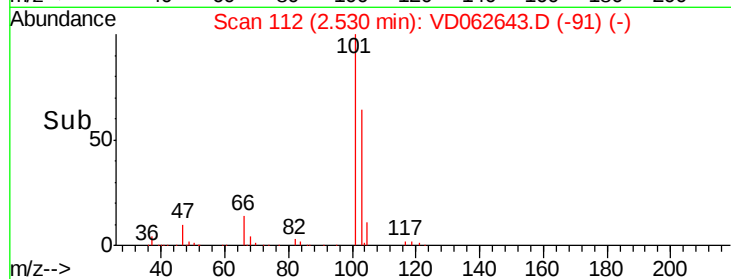
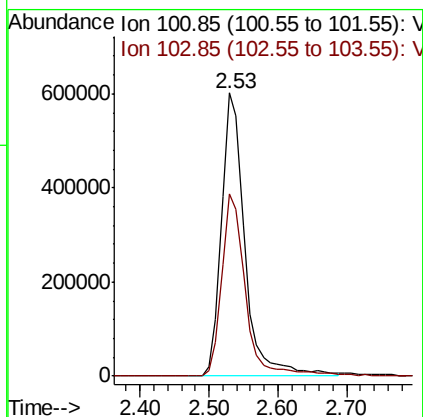
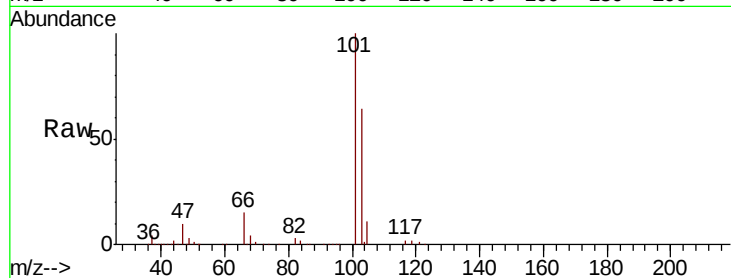


#7

Trichlorofluoromethane
 Concen: 78.623 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :

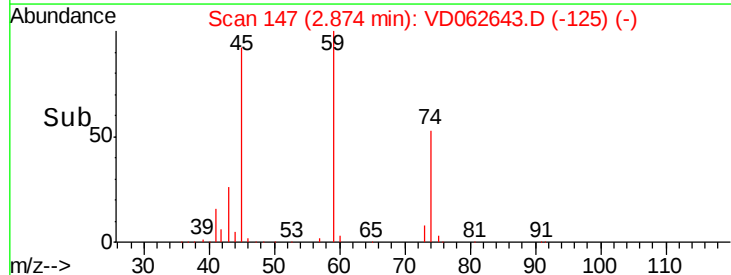
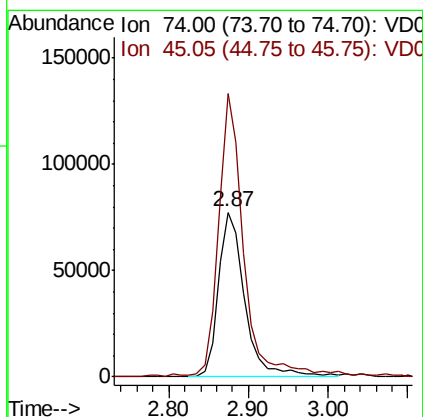
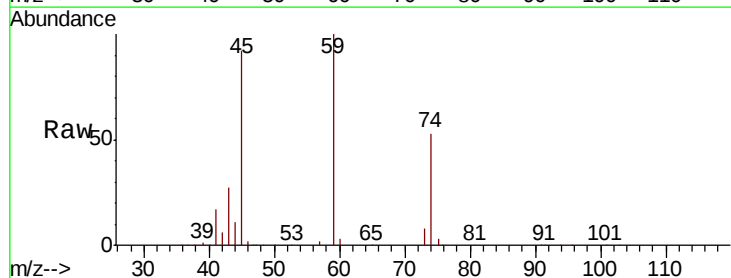
Tot Ion:101 Resp: 1419257
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.2 78.2

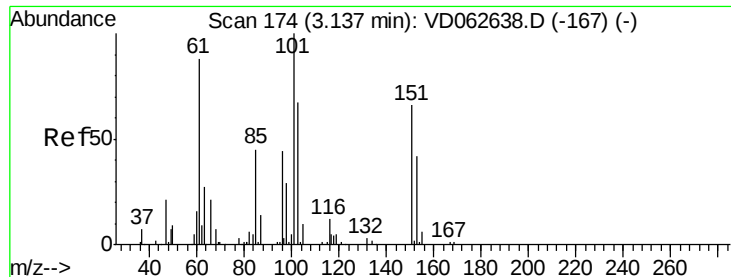


#8

Diethyl Ether
 Concen: 73.052 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

Tgt Ion: 74 Resp: 179830
 Ion Ratio Lower Upper
 74 100
 45 171.8 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 82.292 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

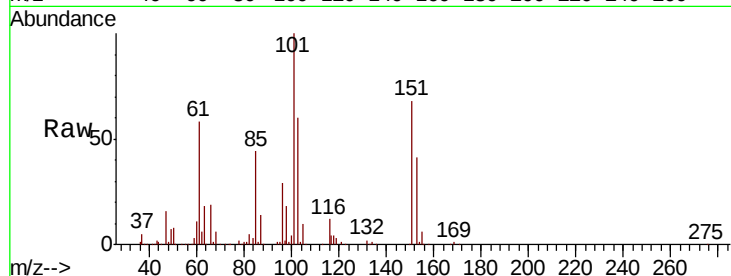
Tot Ion:101 Resp: 823785

Ion Ratio Lower Upper

101 100

85 44.0 36.0 54.0

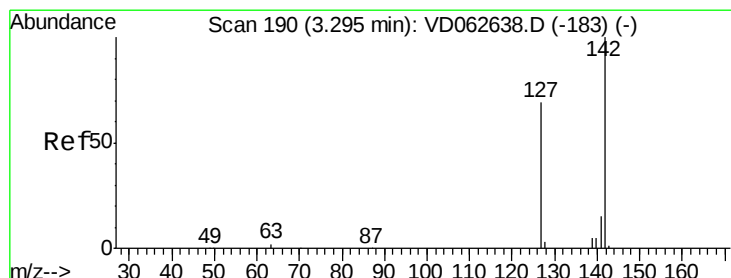
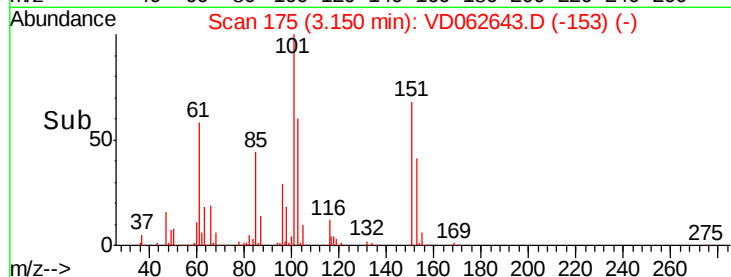
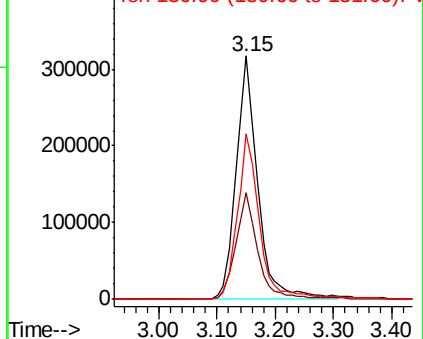
151 67.9 52.6 79.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 87.192 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

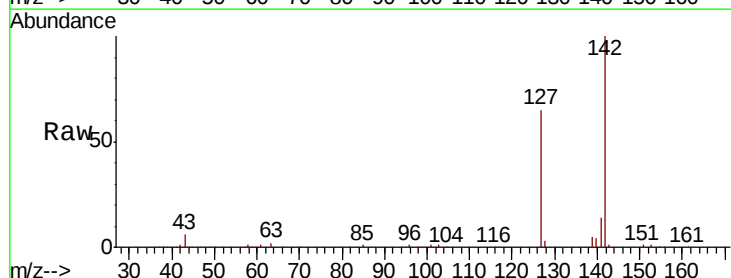
Tgt Ion:142 Resp: 1112732

Ion Ratio Lower Upper

142 100

127 65.0 55.2 82.8

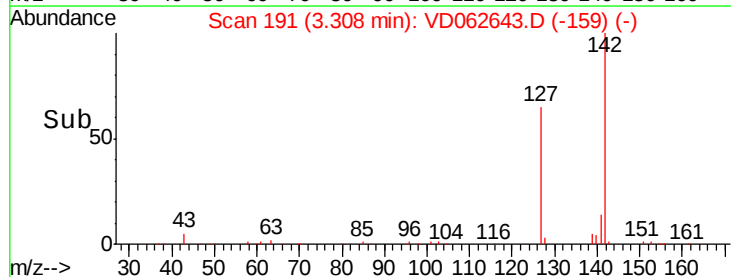
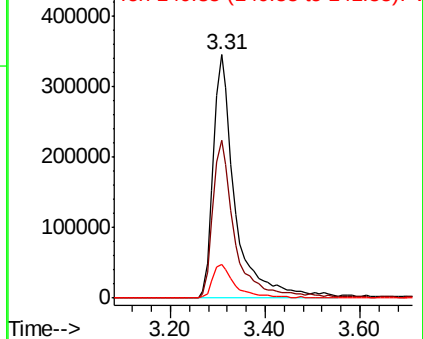
141 13.7 12.1 18.1

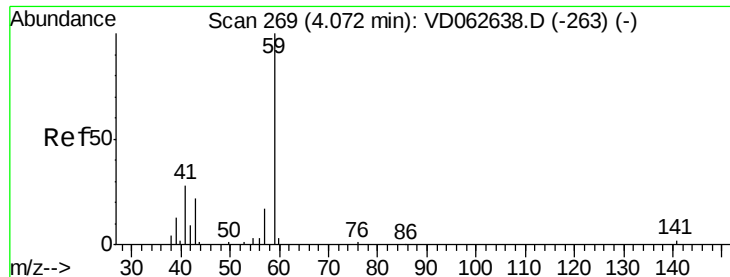


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



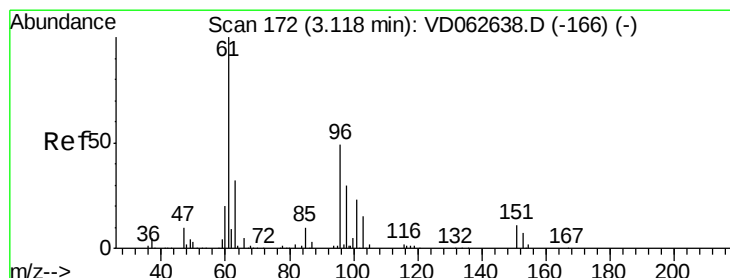
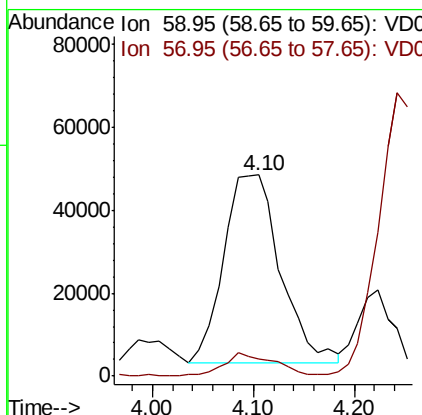
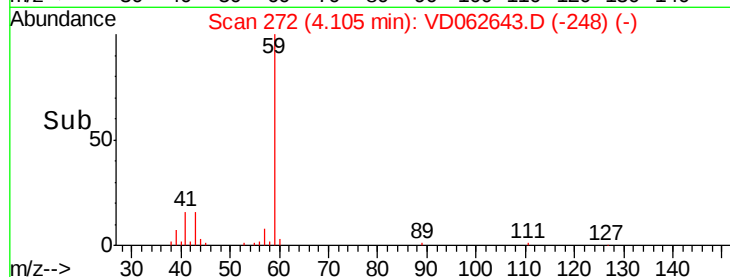
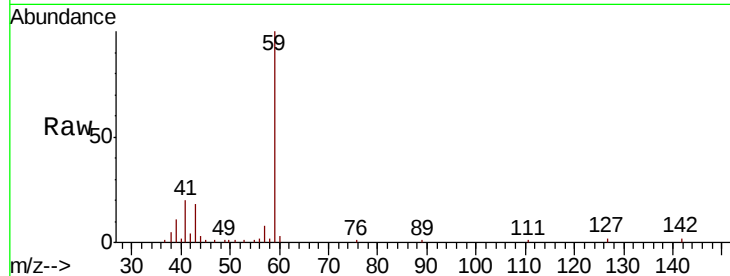


#11

Tert butyl alcohol
Concen: 358.058 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.03 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

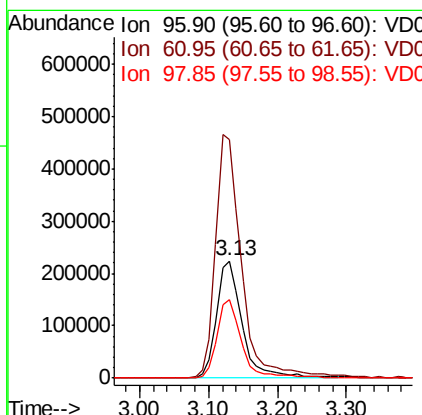
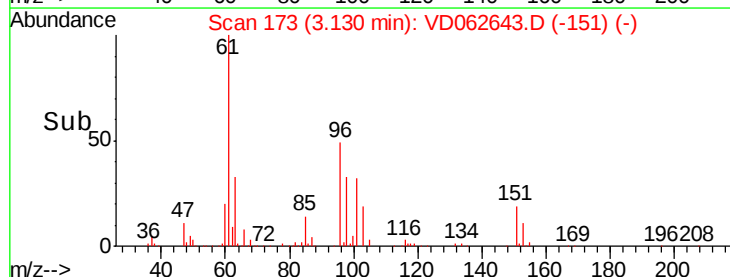
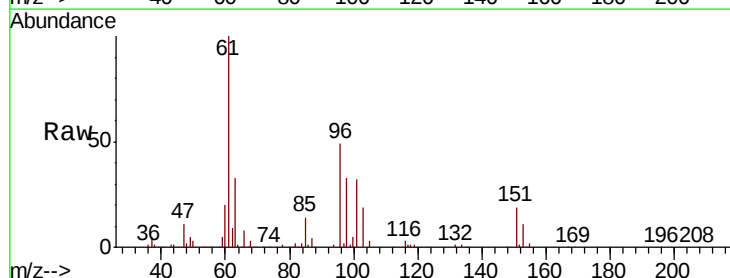
Tot Ion: 59 Resp: 176345
Ion Ratio Lower Upper
59 100
57 8.3 13.7 20.5#

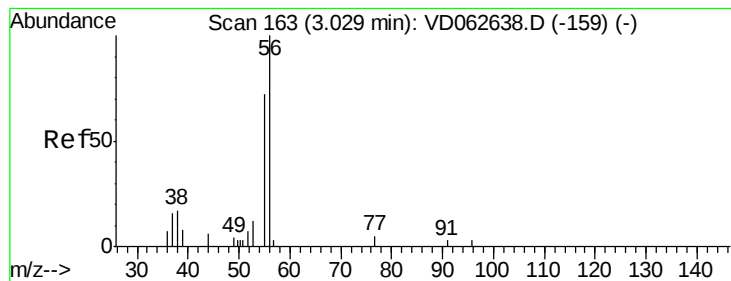


#12

1,1-Dichloroethene
Concen: 82.963 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

Tgt Ion: 96 Resp: 578683
Ion Ratio Lower Upper
96 100
61 202.8 161.8 242.8
98 66.6 48.2 72.4





#13

Acrolein

Concen: 333.963 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

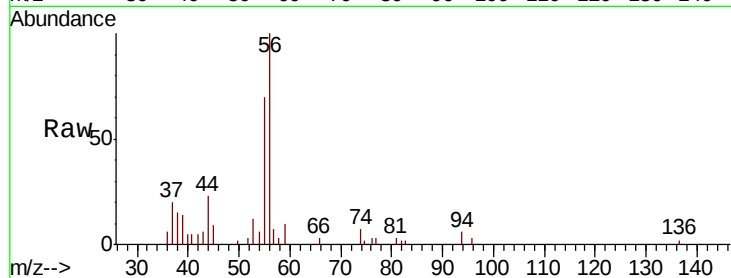
ClientSampleId :

Tot Ion: 56 Resp: 45457

Ion Ratio Lower Upper

56 100

55 70.2 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

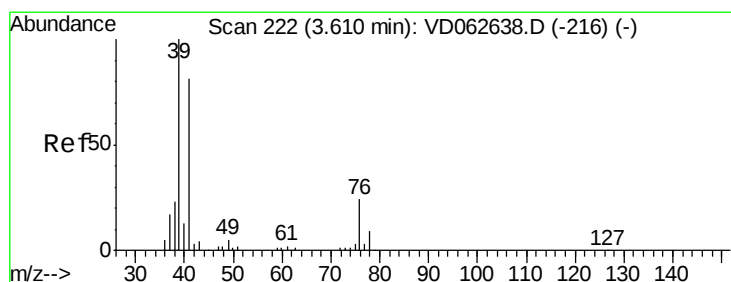
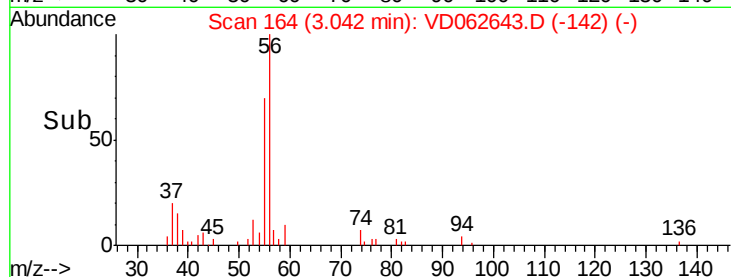
10000

5000

0

3.00 3.10

Time-->



#14

Allyl chloride

Concen: 82.368 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

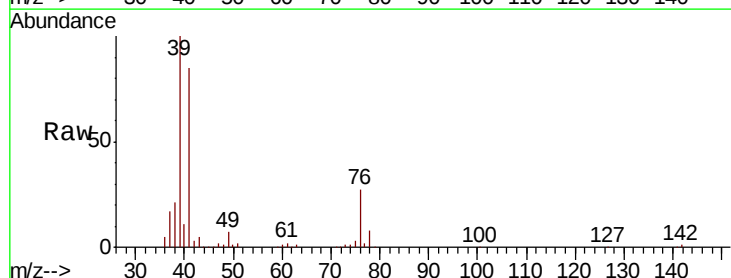
Tgt Ion: 41 Resp: 883304

Ion Ratio Lower Upper

41 100

39 117.5 99.1 148.7

76 31.2 25.0 37.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

500000

400000

300000

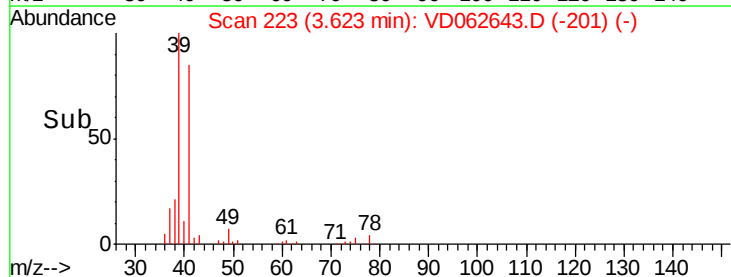
200000

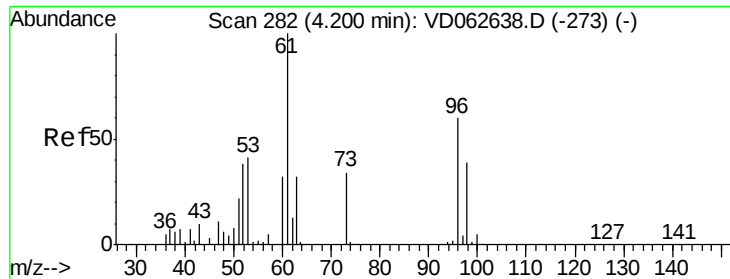
100000

0

3.50 3.60 3.70 3.80

Time-->





#15

Acrylonitrile

Concen: 429.828 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

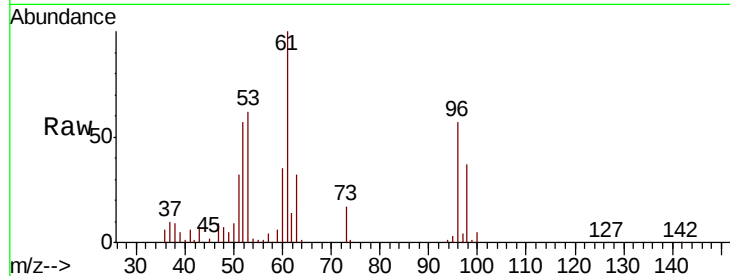
Tot Ion: 53 Resp: 458312

Ion Ratio Lower Upper

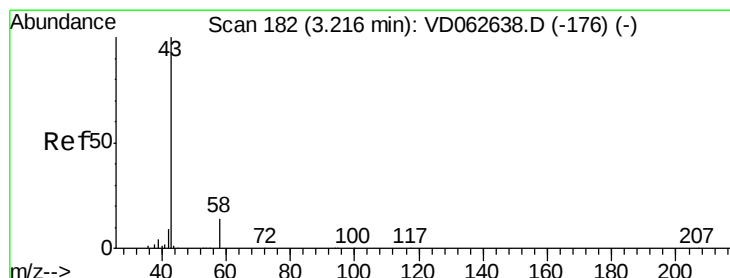
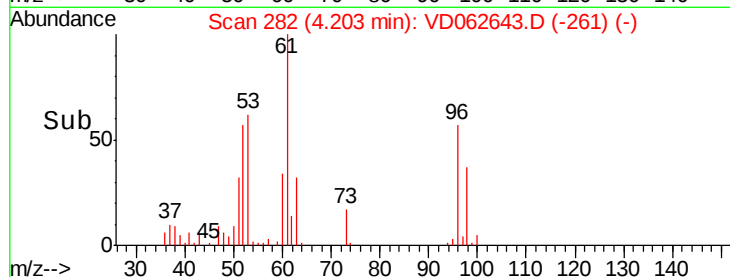
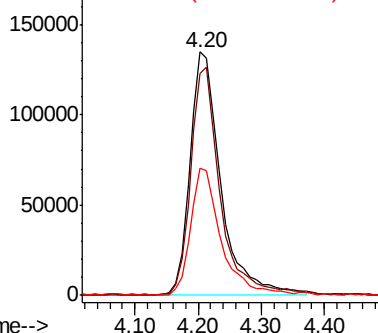
53 100

52 91.3 73.6 110.4

51 52.0 42.0 63.0



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



#16

Acetone

Concen: 439.055 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD062643.D

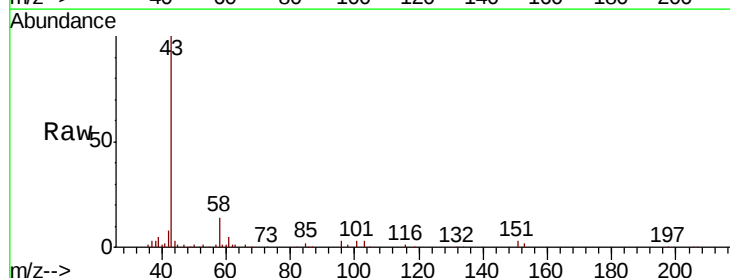
Acq: 7 Jun 2019 16:16

Tgt Ion: 43 Resp: 925764

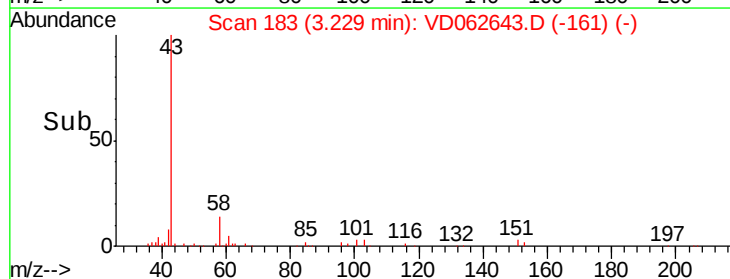
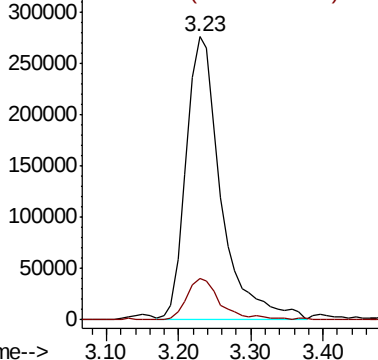
Ion Ratio Lower Upper

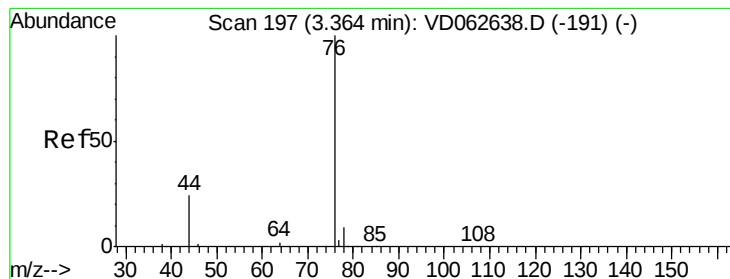
43 100

58 14.5 10.8 16.2



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





#17

Carbon Disulfide

Concen: 86.934 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

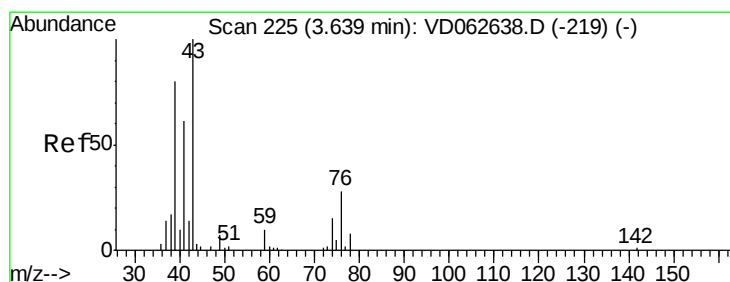
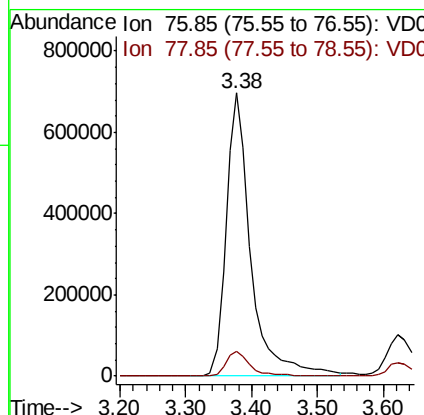
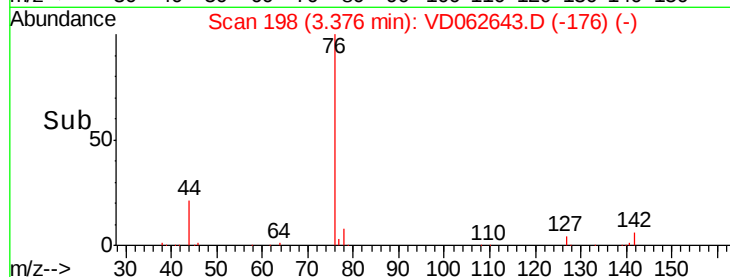
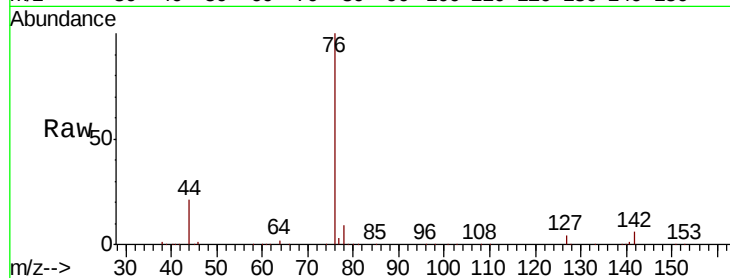
ClientSampleId :

Tot Ion: 76 Resp: 1811915

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4



#18

Methyl Acetate

Concen: 68.751 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062643.D

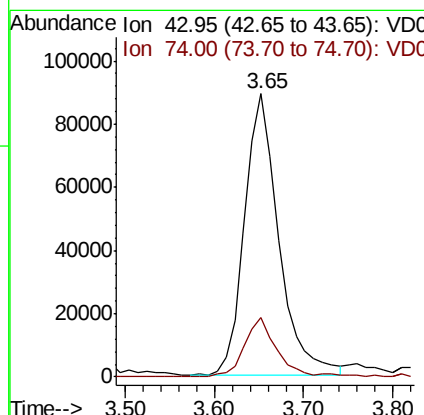
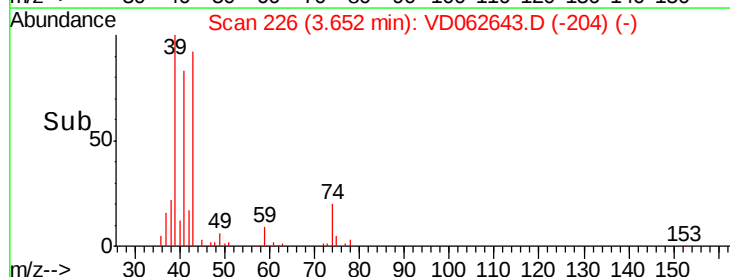
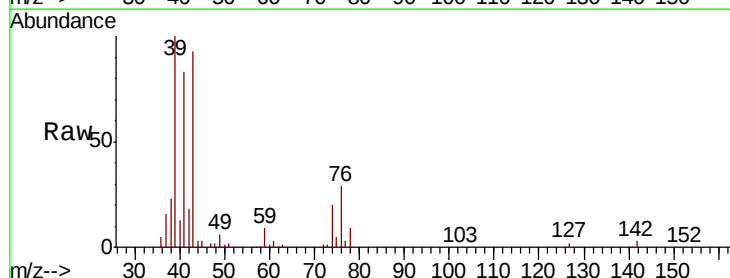
Acq: 7 Jun 2019 16:16

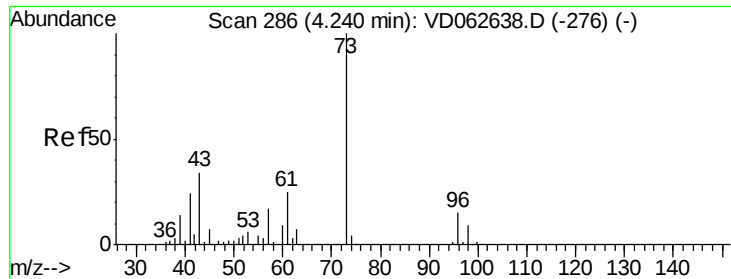
Tgt Ion: 43 Resp: 235907

Ion Ratio Lower Upper

43 100

74 21.1 12.1 18.1#

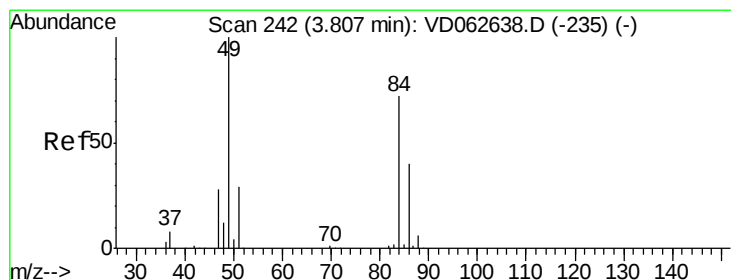
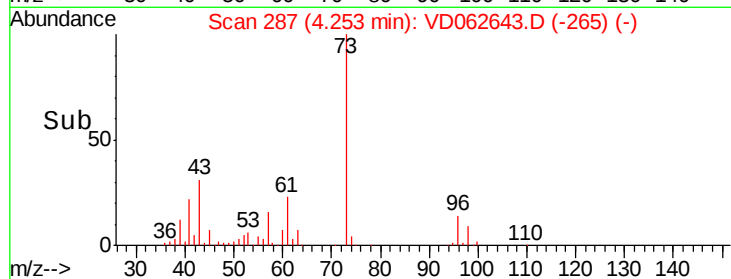
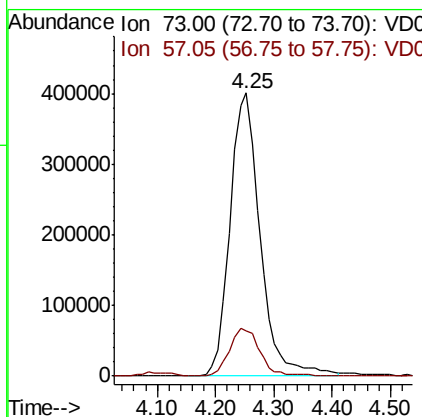
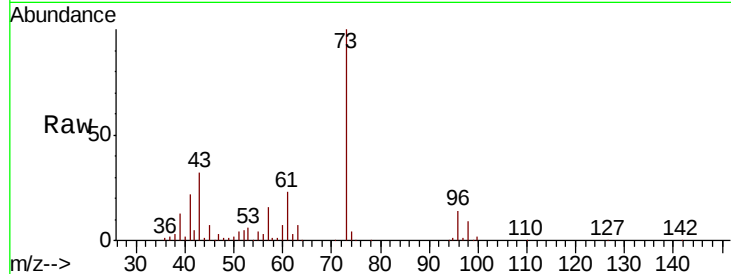




#19
Methyl tert-butyl Ether
Concen: 83.904 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

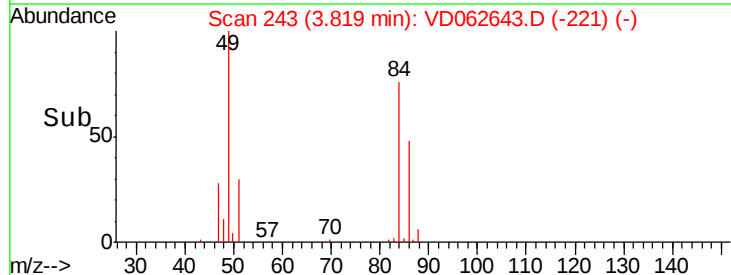
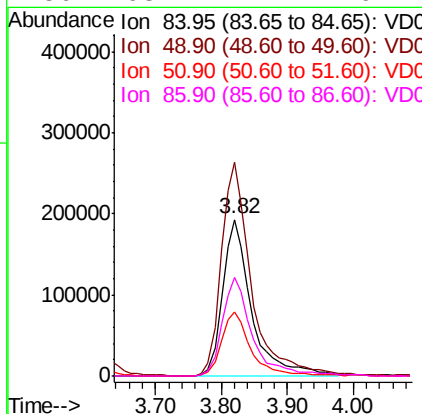
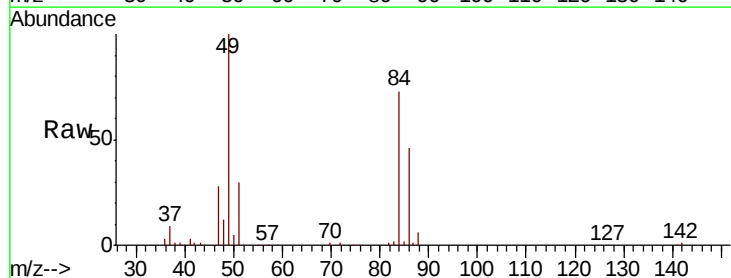
Instrument :
MSVOA_D
ClientSampleID :

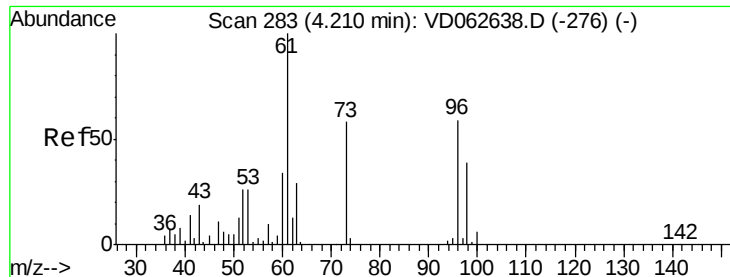
Tot Ion: 73 Resp: 1443226
Ion Ratio Lower Upper
73 100
57 16.2 13.5 20.3



#20
Methylene Chloride
Concen: 75.344 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

Tgt Ion: 84 Resp: 592464
Ion Ratio Lower Upper
84 100
49 136.5 111.2 166.8
51 40.7 31.9 47.9
86 63.1 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 85.449 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

ClientSampled :

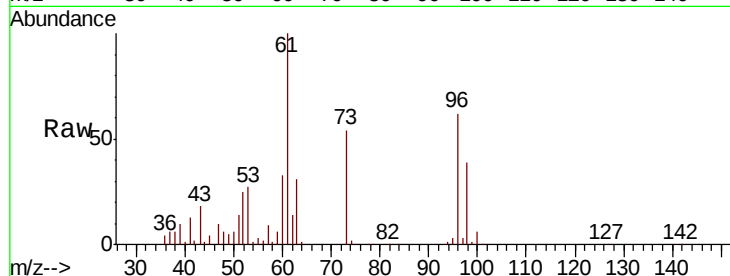
Tot Ion: 96 Resp: 667612

Ion Ratio Lower Upper

96 100

61 161.0 134.6 201.8

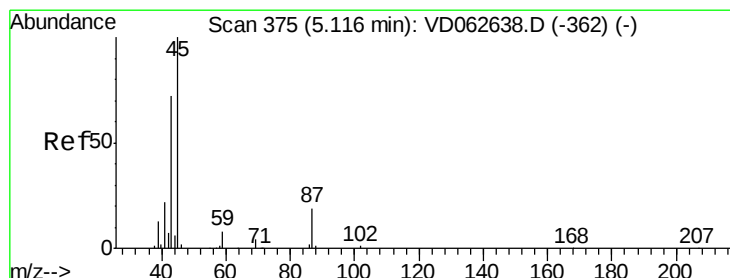
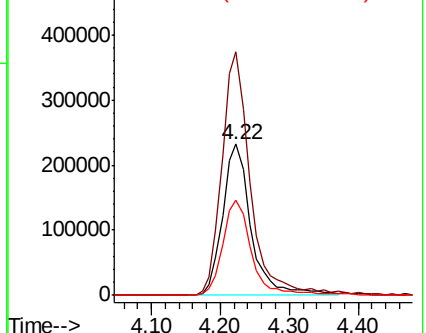
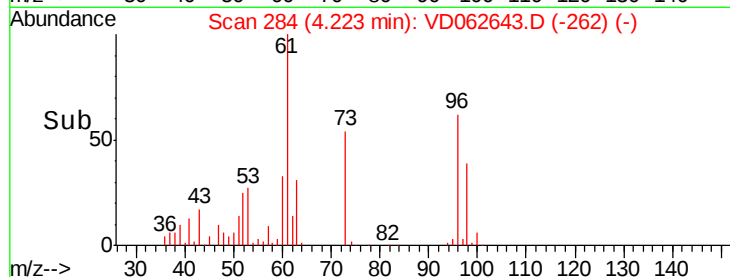
98 62.8 51.8 77.8



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: 86.545 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Tgt Ion: 45 Resp: 1899612

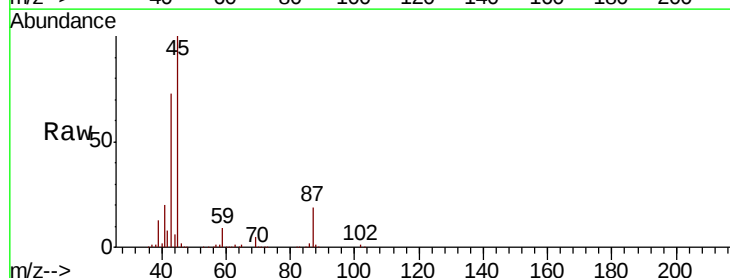
Ion Ratio Lower Upper

45 100

43 73.4 58.8 88.2

87 19.2 15.7 23.5

59 9.4 6.6 9.8

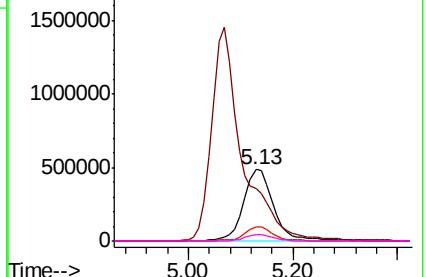
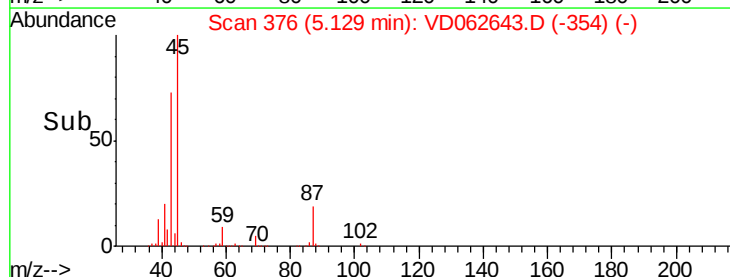


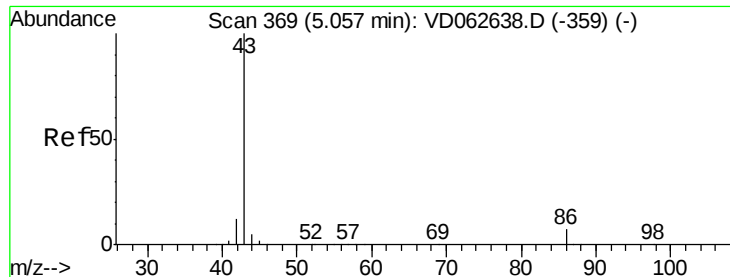
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

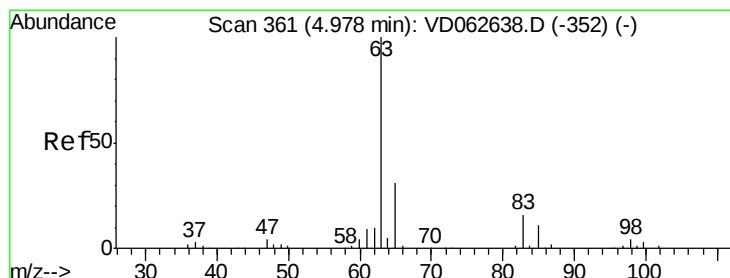
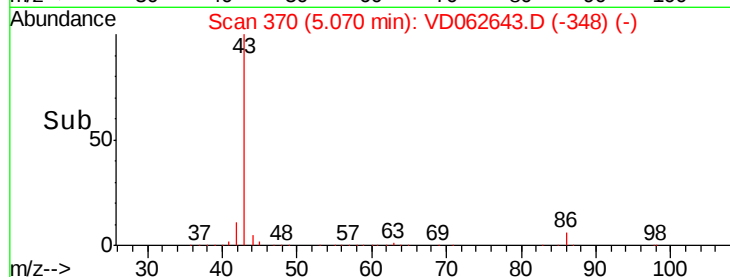
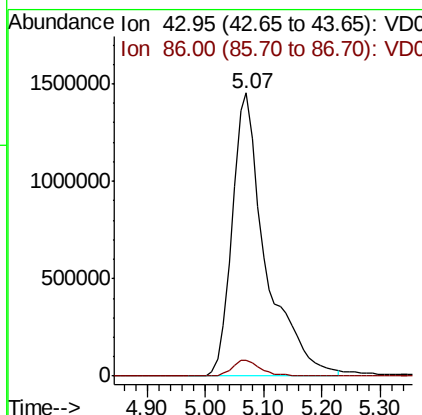
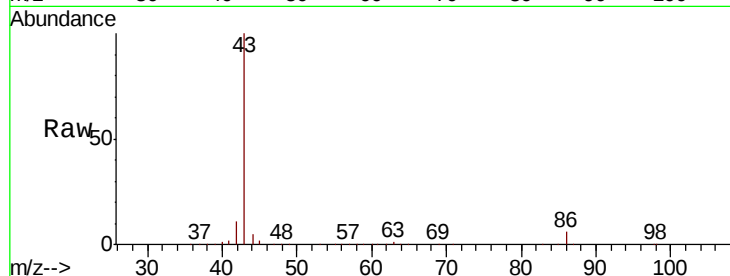




#23
 Vinyl Acetate
 Concen: 420.681 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

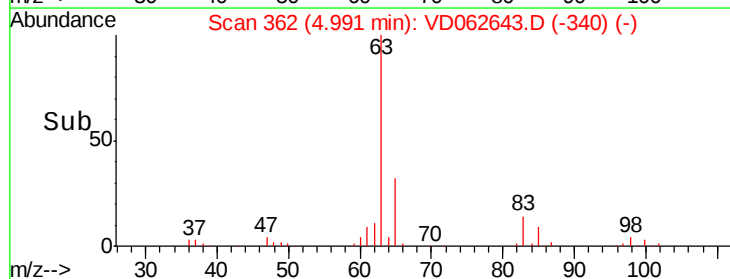
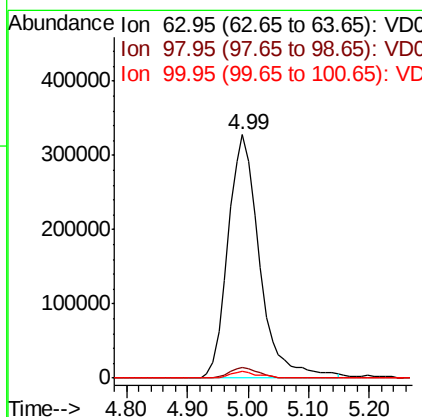
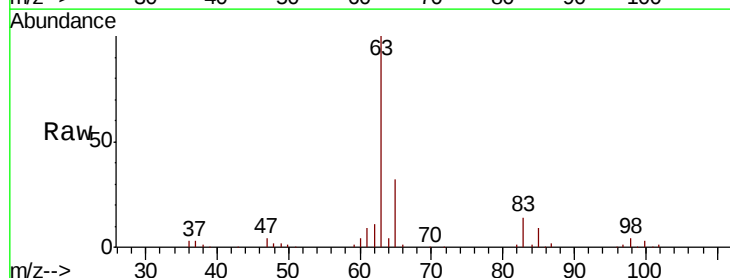
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 5826357
 Ion Ratio Lower Upper
 43 100
 86 5.8 5.3 7.9



#24
 1,1-Dichloroethane
 Concen: 82.077 ug/l
 RT: 4.99 min Scan# 362
 Delta R.T. 0.01 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

Tgt Ion: 63 Resp: 1189557
 Ion Ratio Lower Upper
 63 100
 98 4.3 1.8 5.4
 100 2.7 1.5 4.4





#25

2-Butanone

Concen: 410.945 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

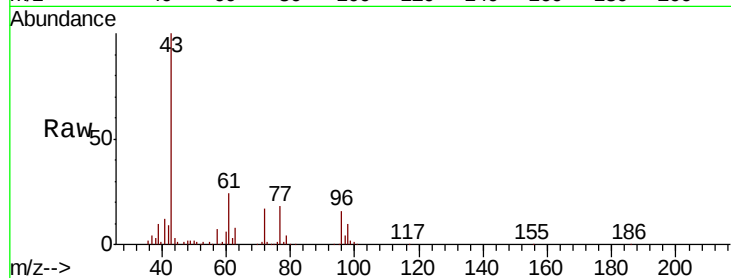
ClientSampleId :

Tot Ion: 43 Resp: 844571

Ion Ratio Lower Upper

43 100

72 16.6 13.5 20.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.08

250000

200000

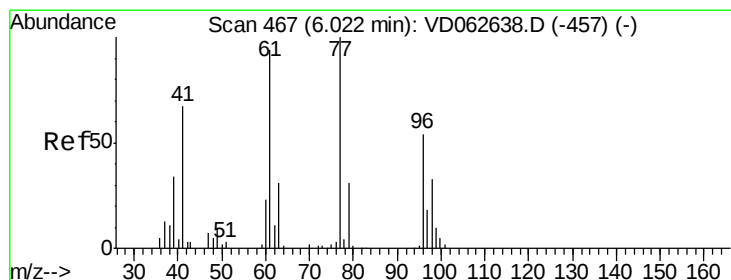
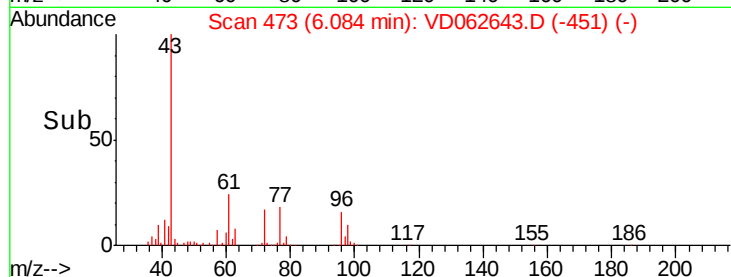
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 81.145 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD062643.D

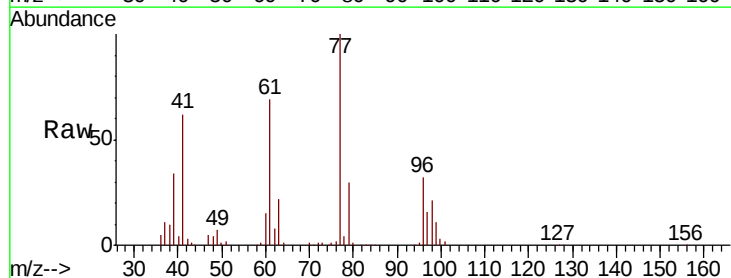
Acq: 7 Jun 2019 16:16

Tgt Ion: 77 Resp: 1360555

Ion Ratio Lower Upper

77 100

97 15.8 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.02

400000

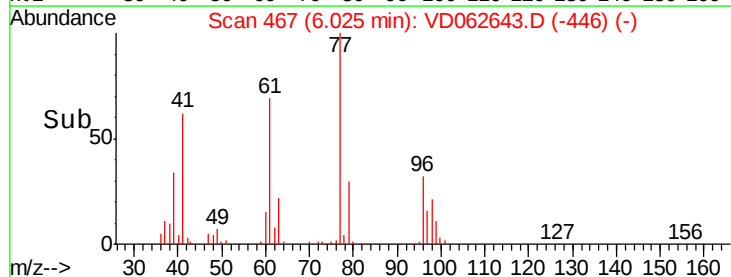
300000

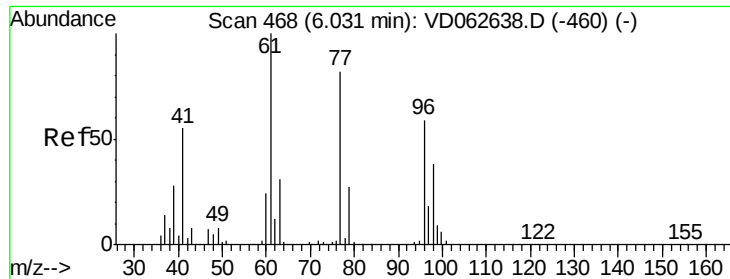
200000

100000

0

Time-->

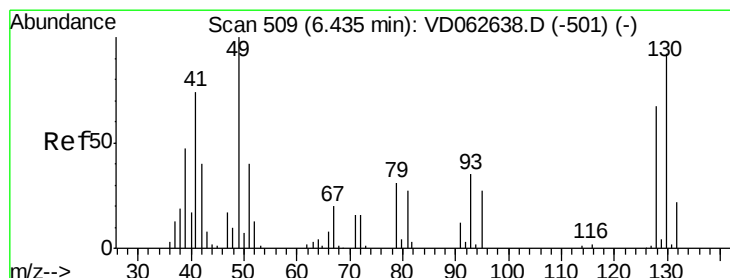
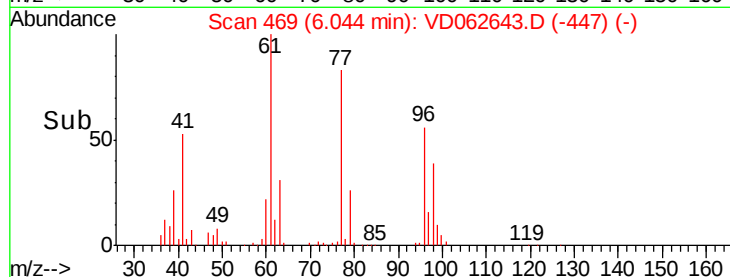
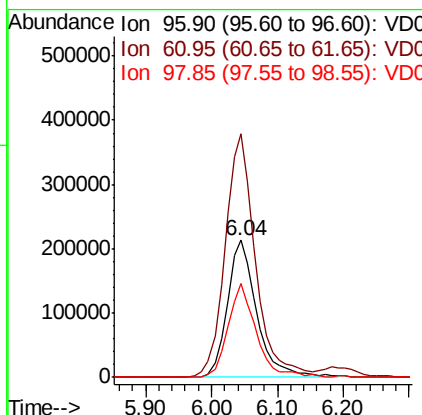
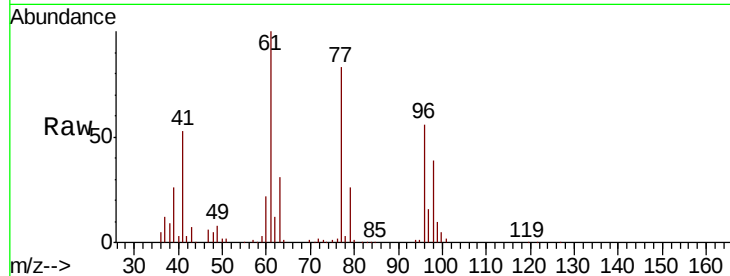




#27
 cis-1,2-Dichloroethene
 Concen: 80.383 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

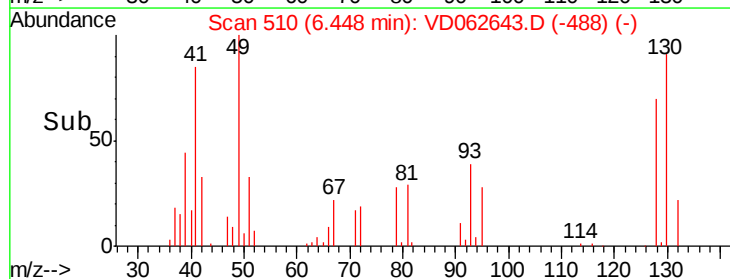
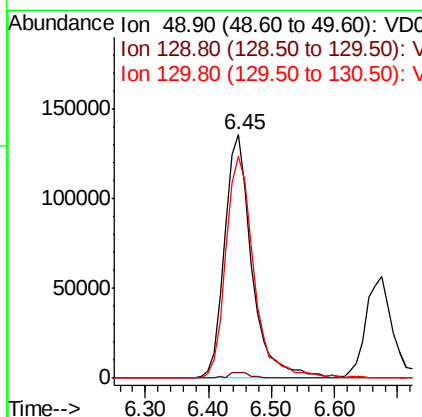
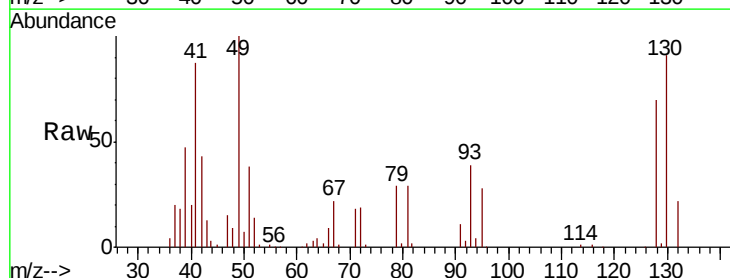
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 668332
 Ion Ratio Lower Upper
 96 100
 61 177.7 0.0 340.0
 98 68.6 0.0 127.6



#28
 Bromochloromethane
 Concen: 78.130 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

Tgt Ion: 49 Resp: 405468
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 8.2
 130 90.9 73.4 110.0





#29

Tetrahydrofuran

Concen: 389.718 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.02 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

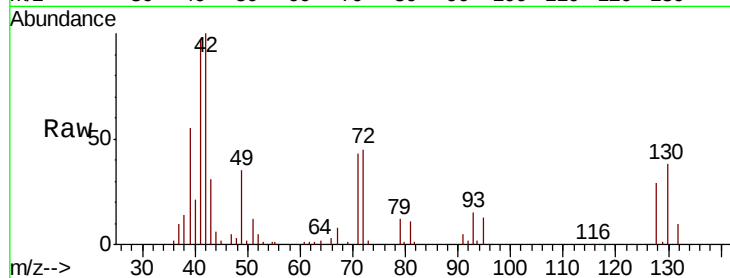
Tot Ion: 42 Resp: 360426

Ion Ratio Lower Upper

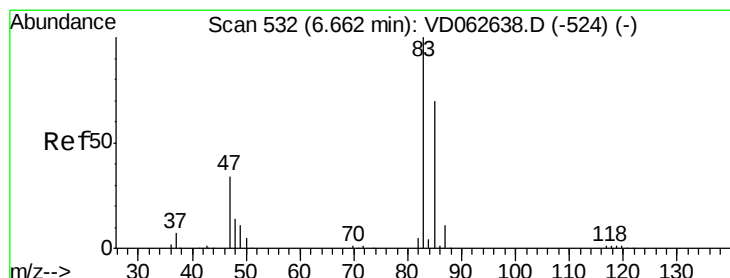
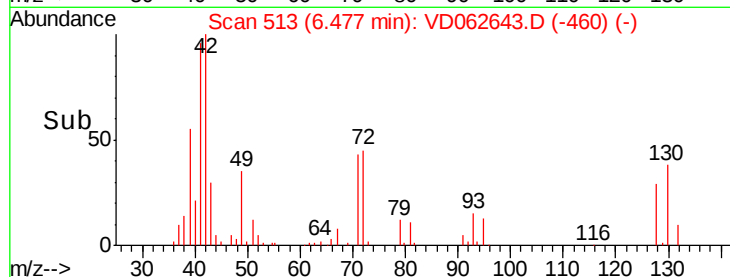
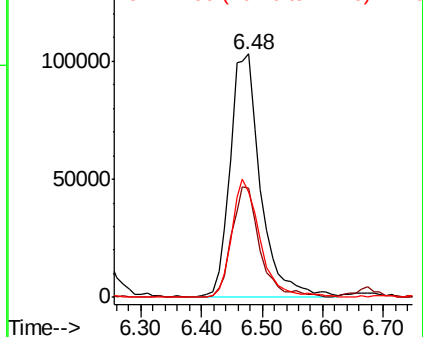
42 100

72 42.0 33.8 50.6

71 44.2 34.2 51.4



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: 82.536 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD062643.D

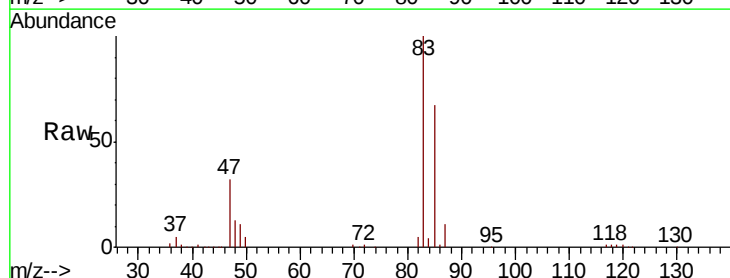
Acq: 7 Jun 2019 16:16

Tgt Ion: 83 Resp: 1539807

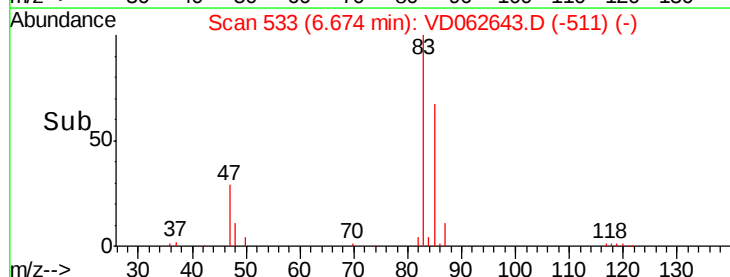
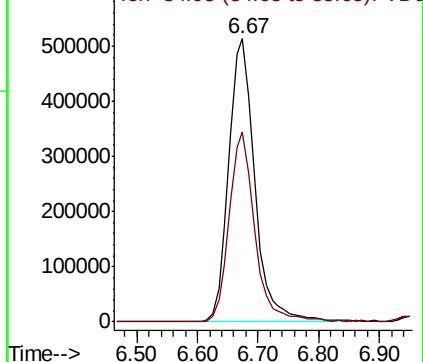
Ion Ratio Lower Upper

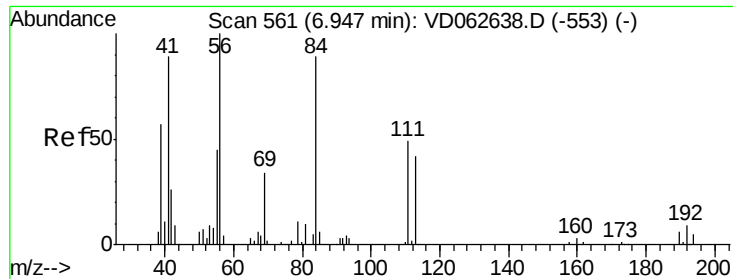
83 100

85 66.9 55.8 83.6



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

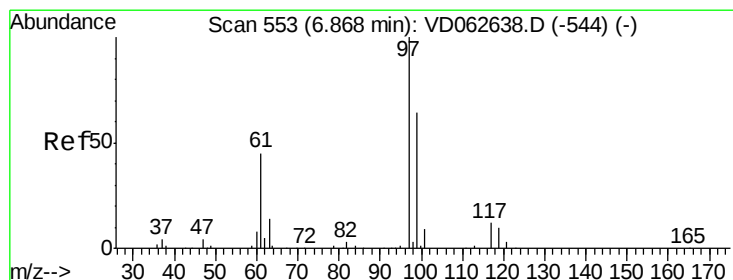
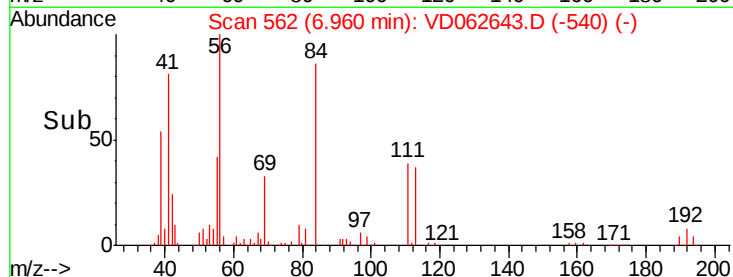
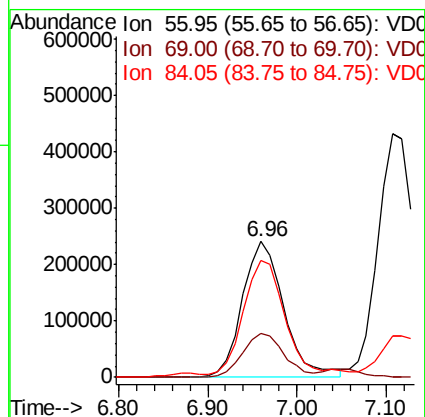
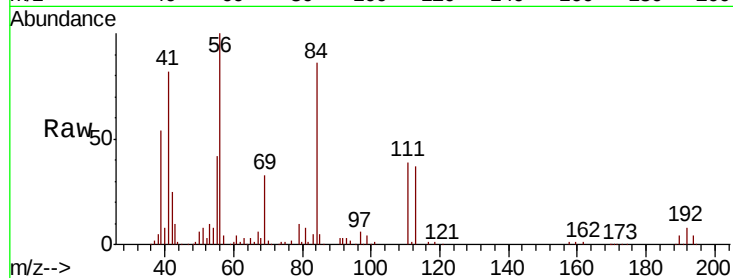




#31
Cvclohexane
Concen: 87.672 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

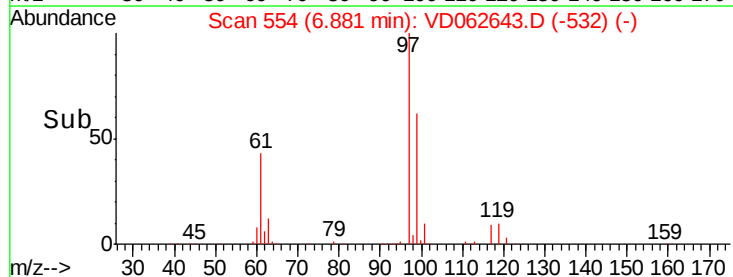
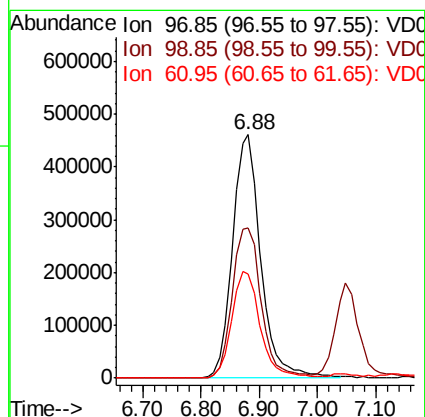
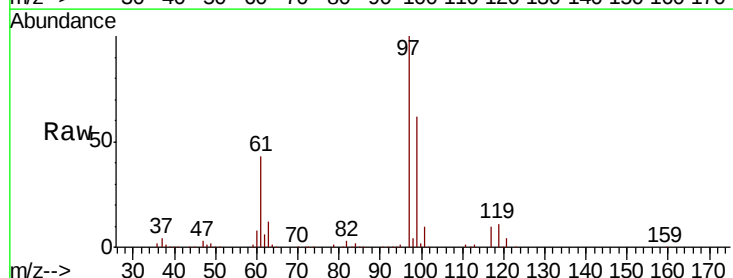
Instrument :
MSVOA_D
ClientSampled :

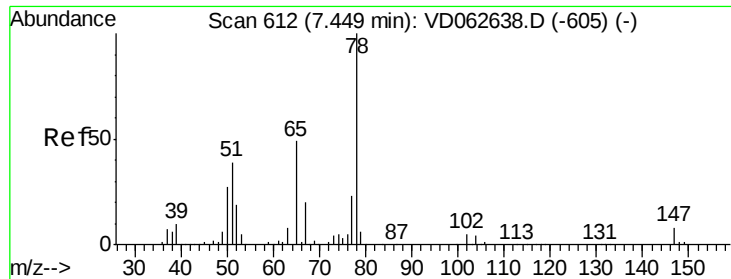
Tot Ion: 56 Resp: 778779
Ion Ratio Lower Upper
56 100
69 32.7 26.8 40.2
84 86.0 73.9 110.9



#32
1,1,1-Trichloroethane
Concen: 82.371 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

Tgt Ion: 97 Resp: 1554125
Ion Ratio Lower Upper
97 100
99 61.8 51.4 77.0
61 42.8 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 72.752 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

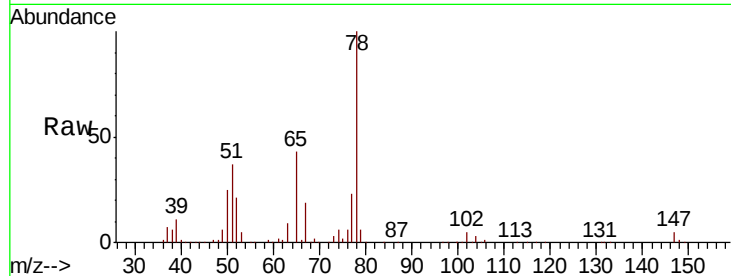
ClientSampleId :

Tot Ion: 65 Resp: 825566

Ion Ratio Lower Upper

65 100

67 44.8 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

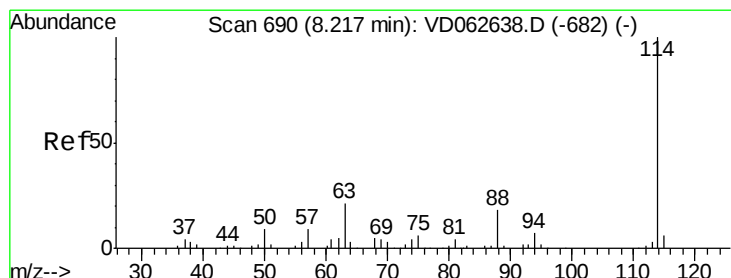
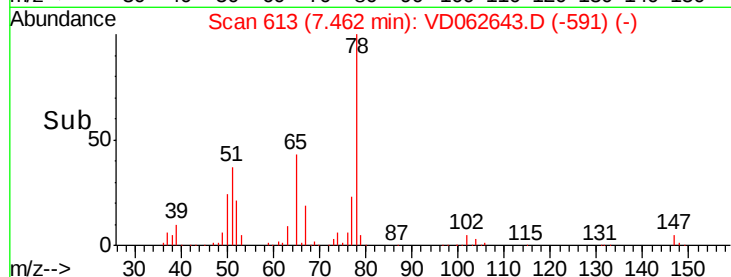
300000

200000

100000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

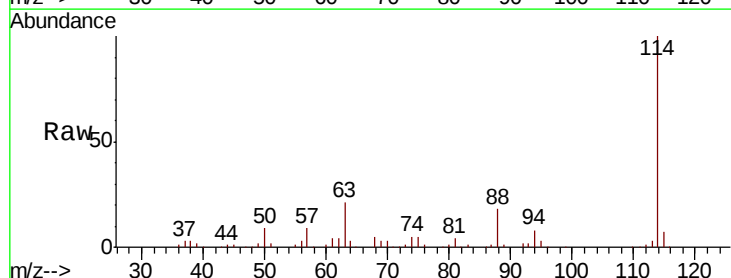
Tgt Ion: 114 Resp: 1038339

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

88 17.8 0.0 36.8



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

8.22

500000

400000

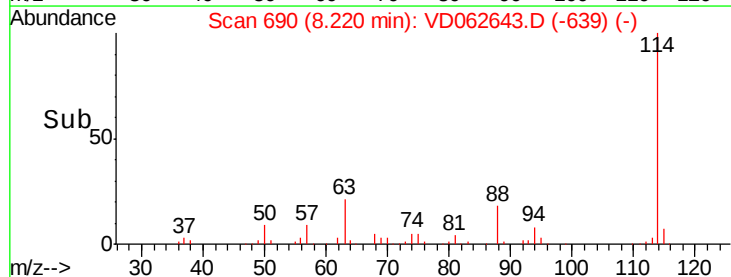
300000

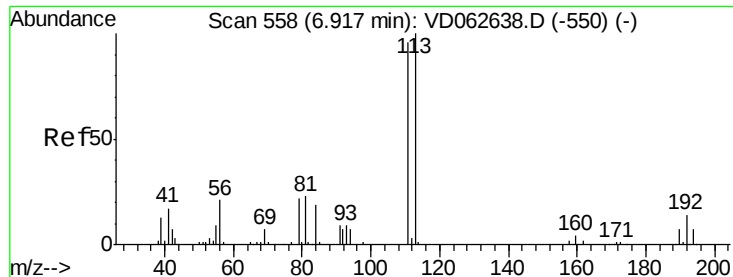
200000

100000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 74.365 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

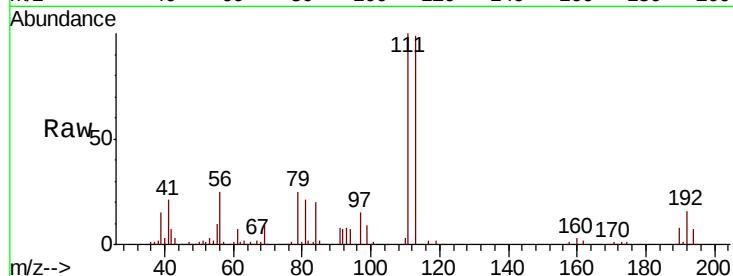
Tot Ion:113 Resp: 814521

Ion Ratio Lower Upper

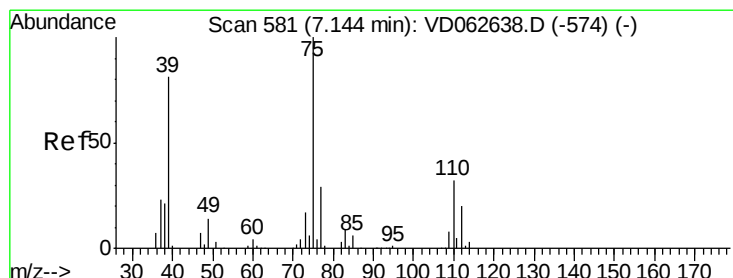
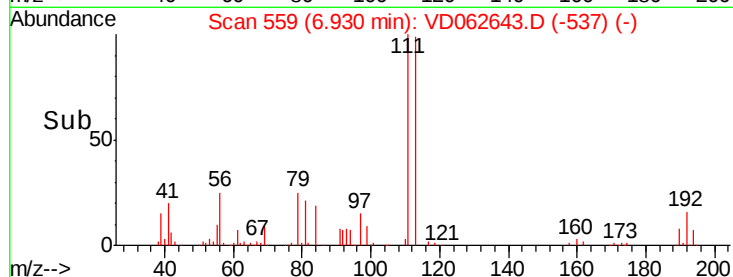
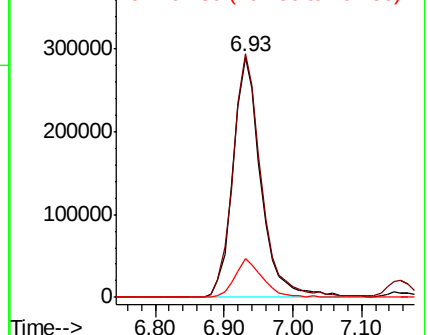
113 100

111 101.5 76.4 114.6

192 16.0 11.4 17.0



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 82.098 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

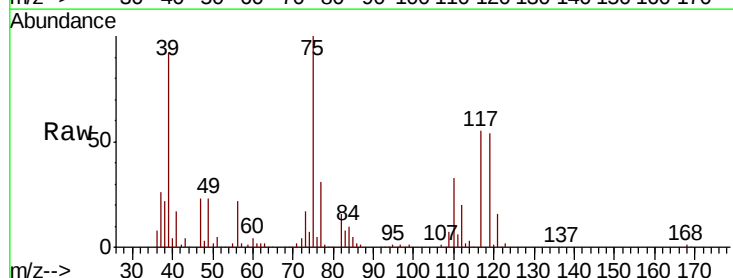
Tgt Ion: 75 Resp: 1015259

Ion Ratio Lower Upper

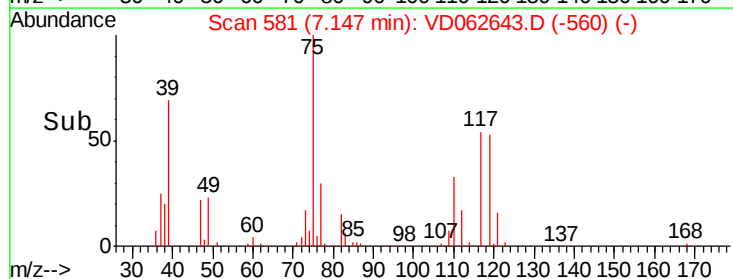
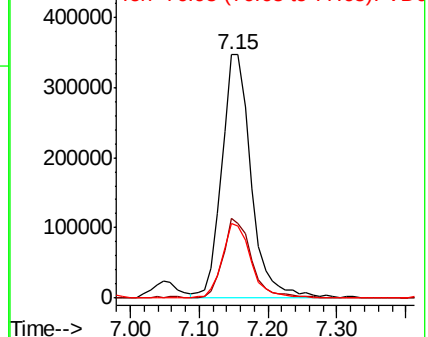
75 100

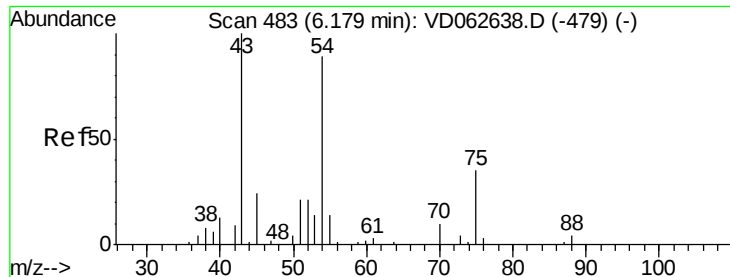
110 32.7 15.9 47.7

77 30.8 23.3 34.9



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

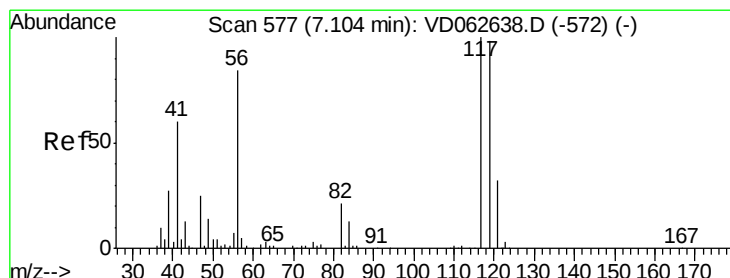
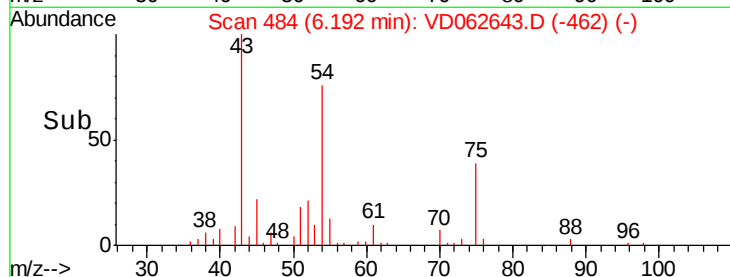
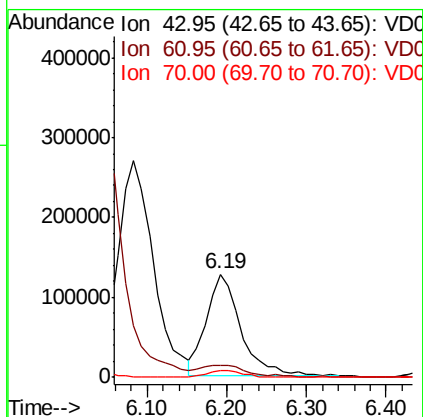
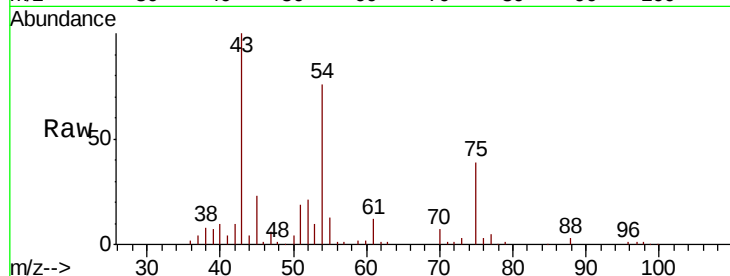




#37
Ethyl Acetate
Concen: 71.106 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

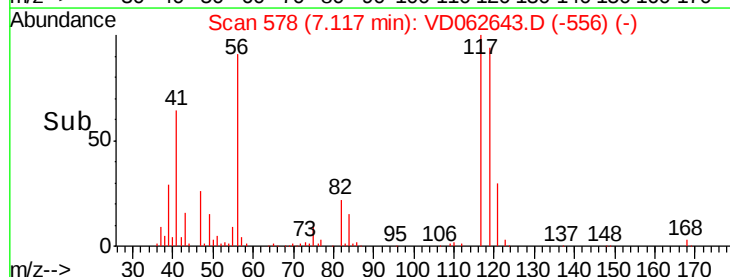
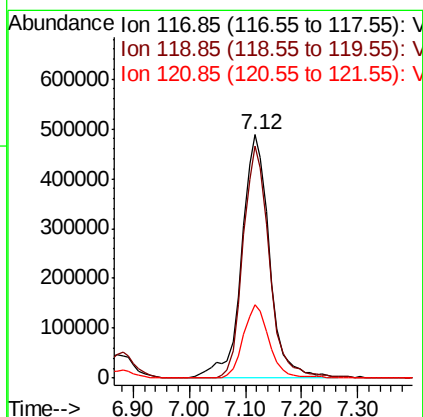
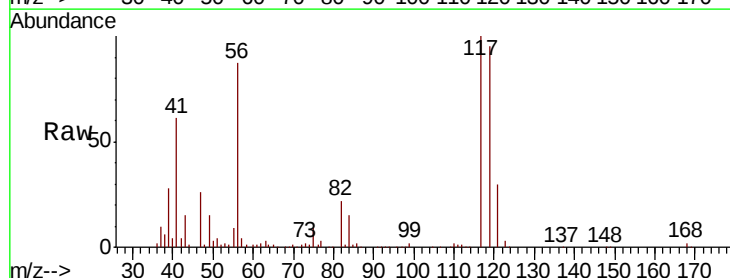
Instrument :
MSVOA_D
ClientSampleId :

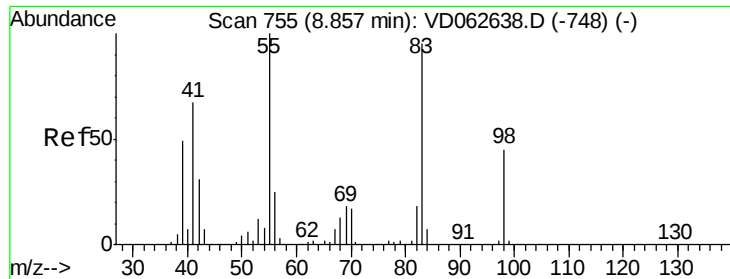
Tot Ion: 43 Resp: 383341
Ion Ratio Lower Upper
43 100
61 11.7 8.7 13.1
70 6.8 6.5 9.7



#38
Carbon Tetrachloride
Concen: 85.317 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.01 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

Tgt Ion: 117 Resp: 1665332
Ion Ratio Lower Upper
117 100
119 95.4 73.5 110.3
121 30.2 24.2 36.4

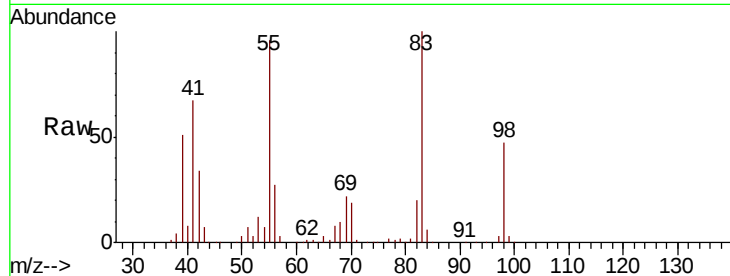




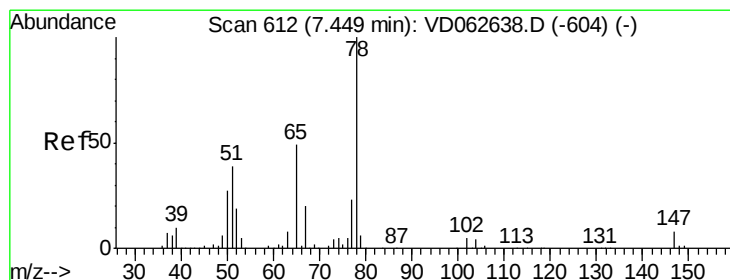
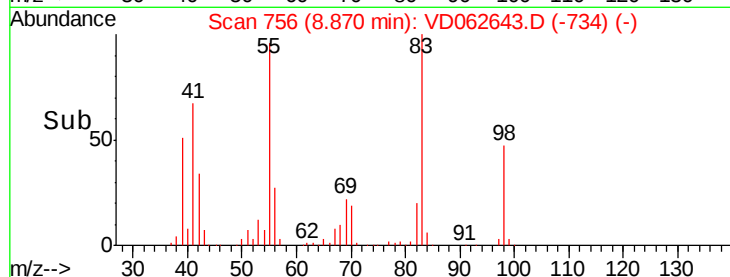
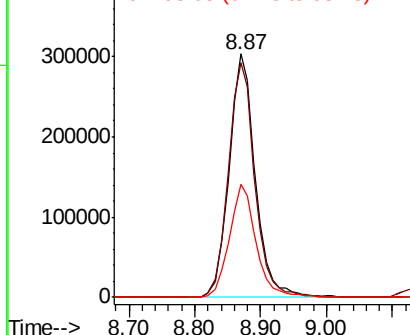
#39
Methvlcvclohexane
Concen: 85.572 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 842128
Ion Ratio Lower Upper
83 100
55 96.4 84.6 127.0
98 46.5 38.2 57.4

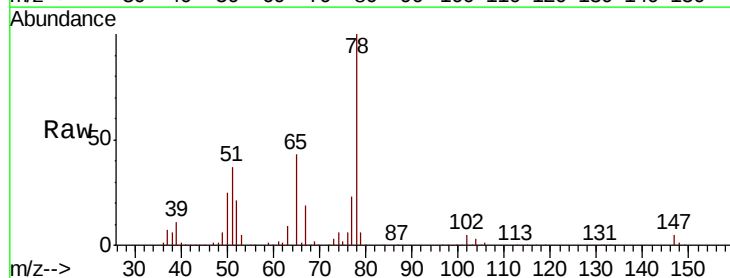


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

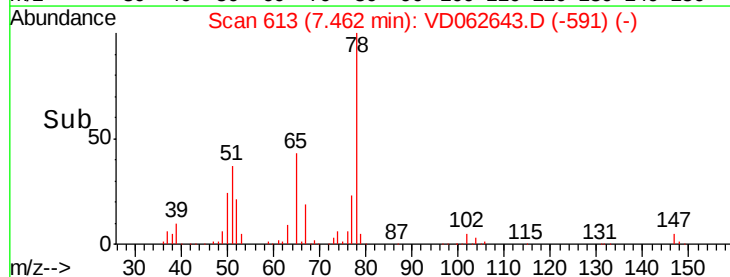
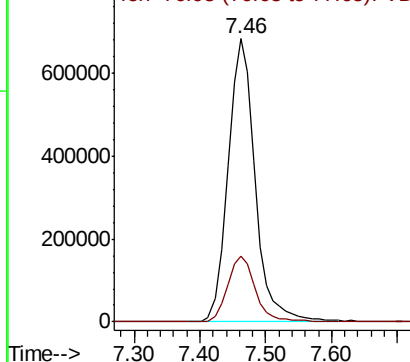


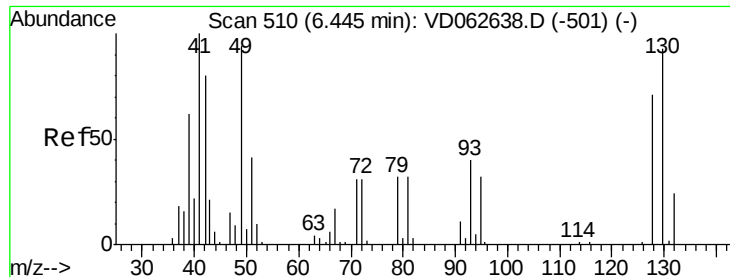
#40
Benzene
Concen: 83.588 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

Tgt Ion: 78 Resp: 1969081
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0



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





#41

Methacrylonitrile

Concen: 78.971 ug/l

RT: 6.46 min Scan# 511

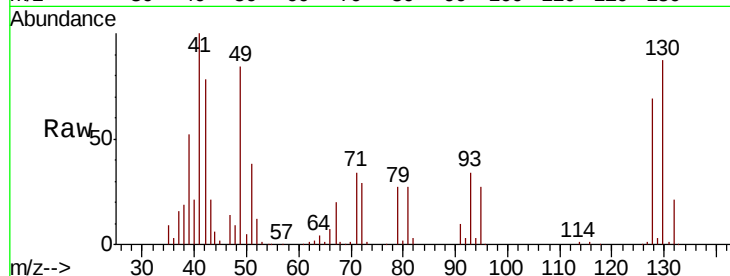
Delta R.T. 0.01 min

Lab File: VD062643.D

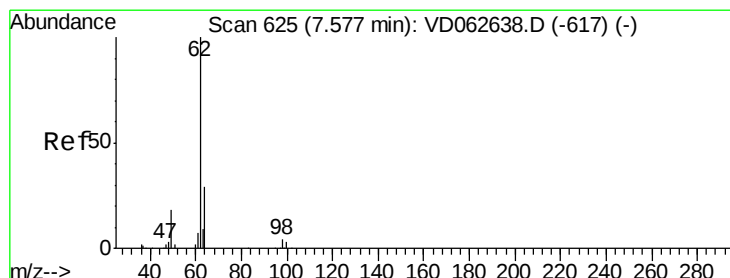
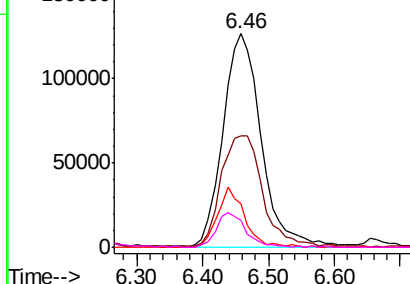
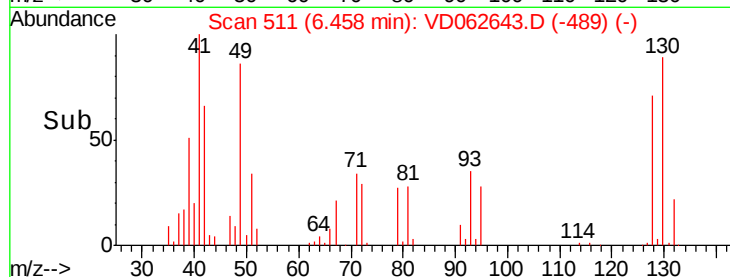
Acq: 7 Jun 2019 16:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	510256
Ion	Ratio	Lower	Upper
41	100		
39	52.4	49.2	73.8
67	20.2	13.9	20.9
52	12.4	7.6	11.4#



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: 80.173 ug/l

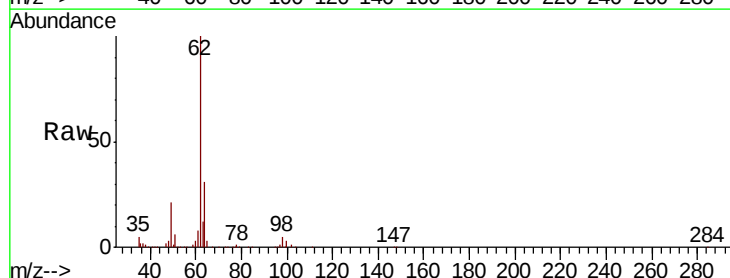
RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

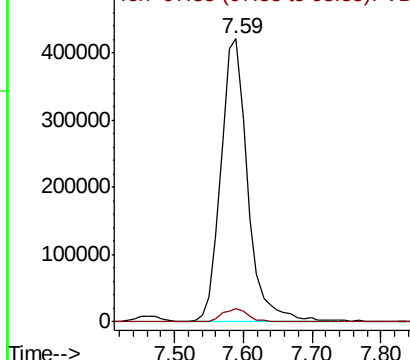
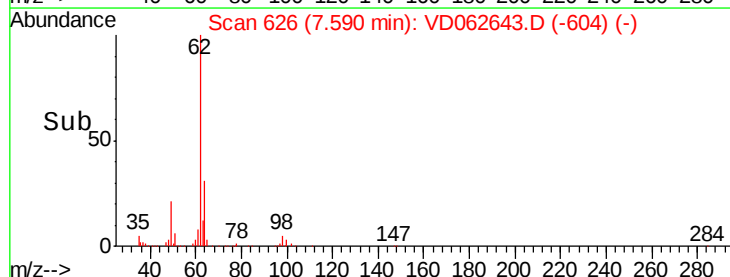
Lab File: VD062643.D

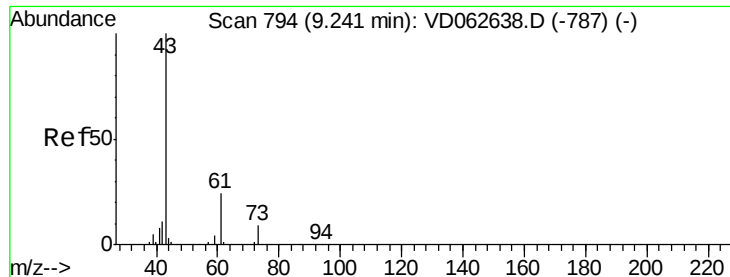
Acq: 7 Jun 2019 16:16

Tgt Ion:	62	Resp:	1132654
Ion	Ratio	Lower	Upper
62	100		
98	4.6	0.0	7.4



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



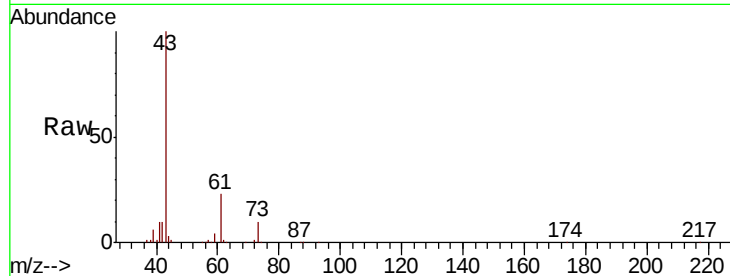


#43

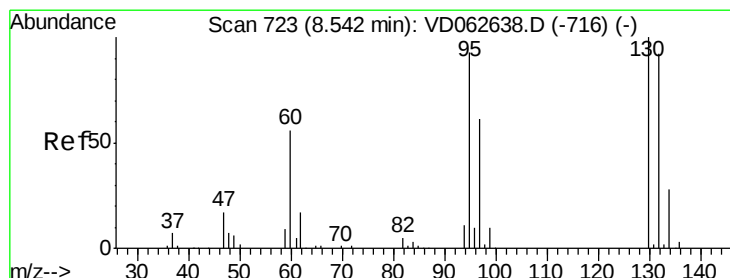
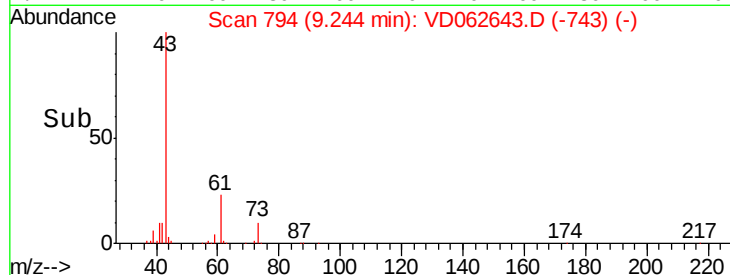
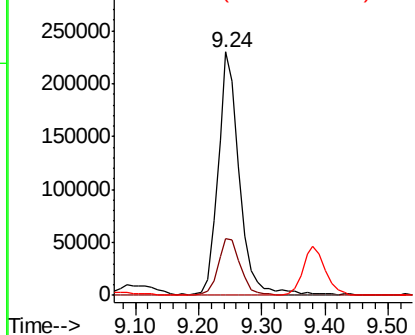
Isopropyl Acetate
 Concen: 85.001 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 538093
 Ion Ratio Lower Upper
 43 100
 61 23.4 19.0 28.6
 87 0.3 0.3 0.5#



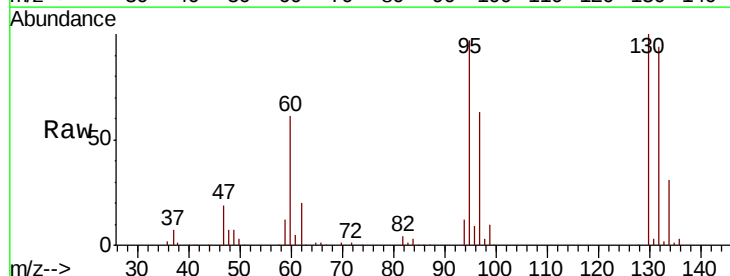
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



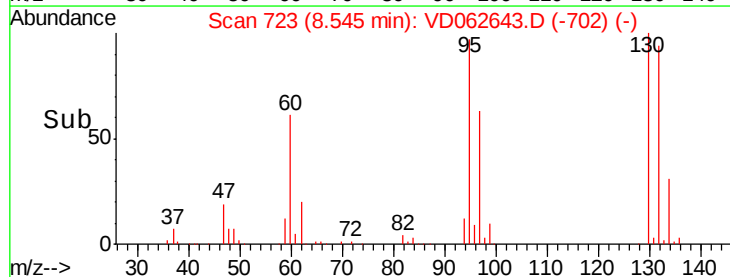
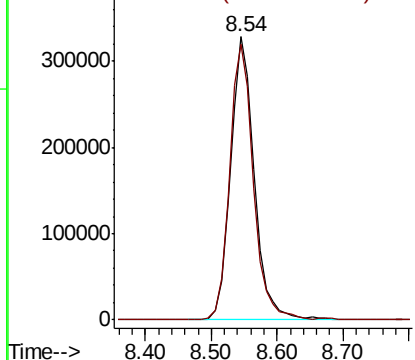
#44

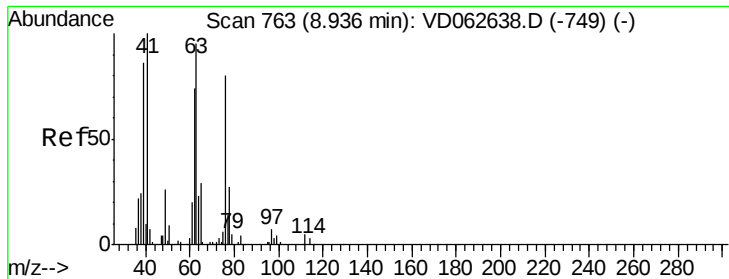
Trichloroethene
 Concen: 85.016 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

Tgt Ion: 130 Resp: 826695
 Ion Ratio Lower Upper
 130 100
 95 97.3 0.0 185.6



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





#45

1,2-Dichloropropane

Concen: 86.871 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

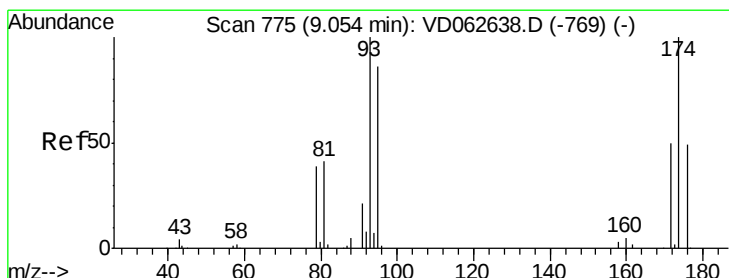
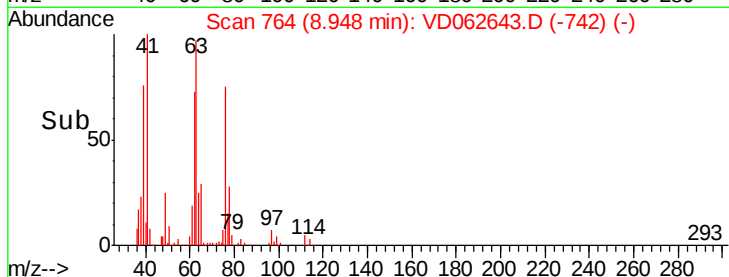
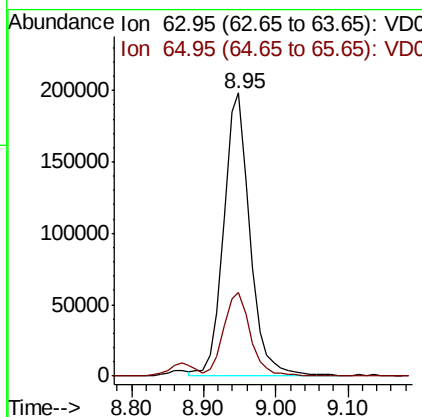
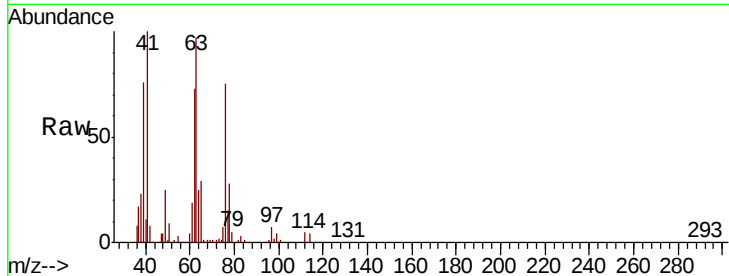
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 63 Resp: 496455

Ion Ratio Lower Upper

63 100

65 29.7 24.6 37.0



#46

Dibromomethane

Concen: 80.211 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

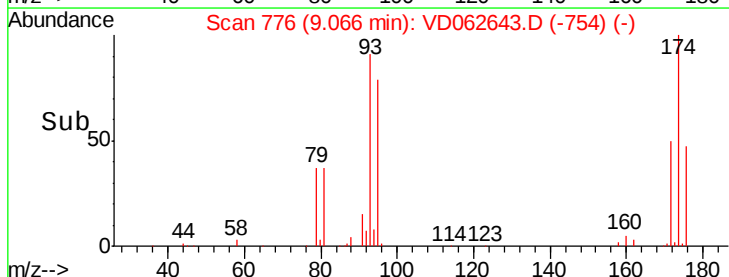
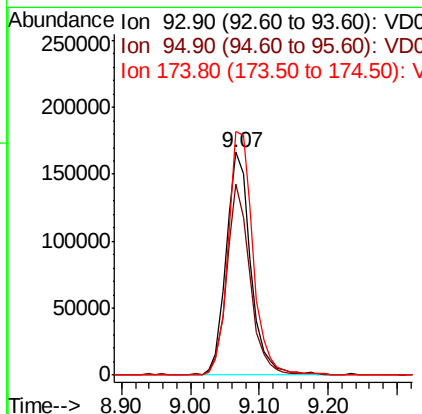
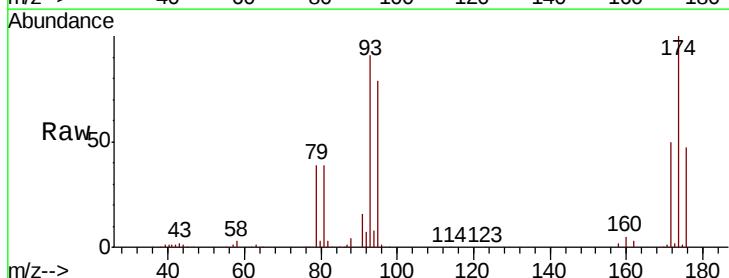
Tgt Ion: 93 Resp: 410527

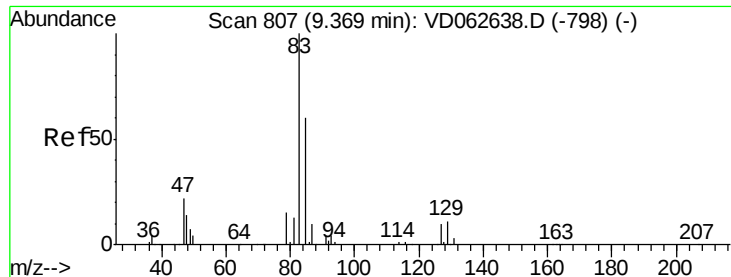
Ion Ratio Lower Upper

93 100

95 86.0 68.7 103.1

174 109.4 79.8 119.8





#47

Bromodichloromethane

Concen: 84.292 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

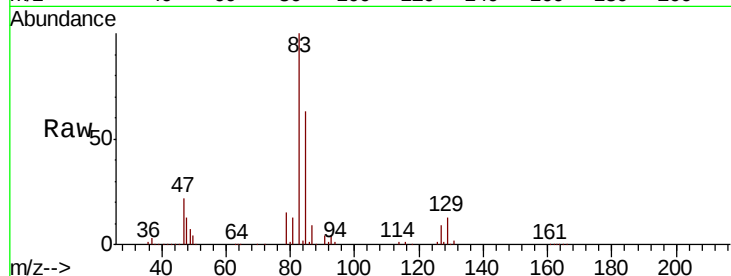
Tot Ion: 83 Resp: 1171293

Ion Ratio Lower Upper

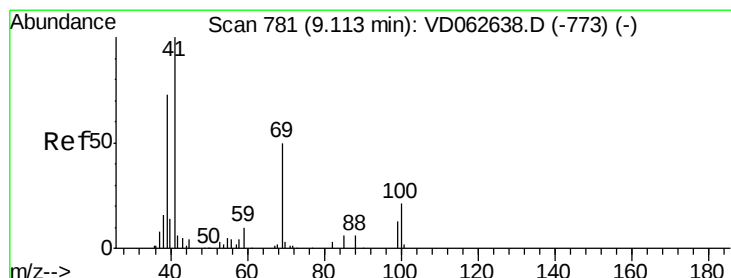
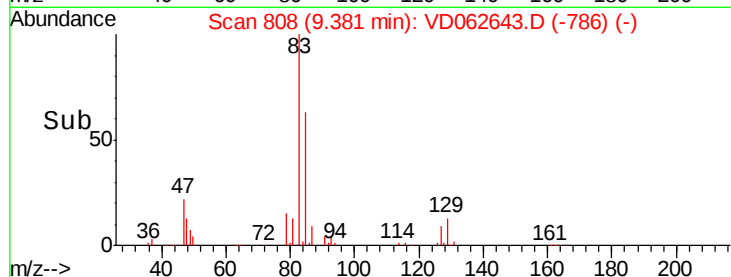
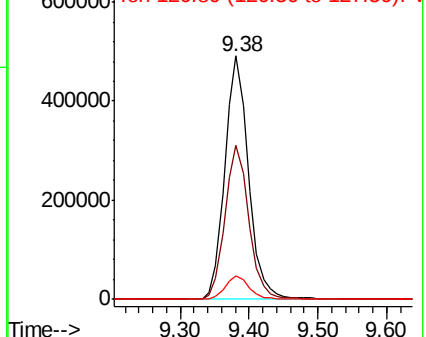
83 100

85 63.3 47.9 71.9

127 9.5 8.2 12.4



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: 78.917 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

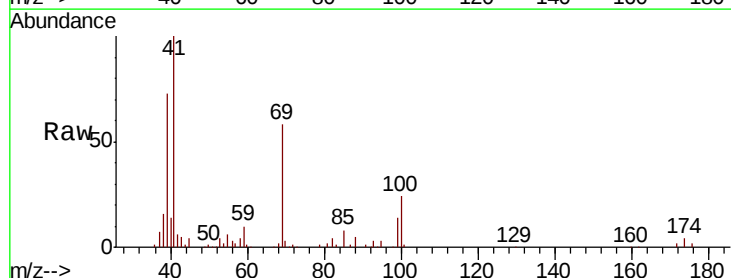
Tgt Ion: 41 Resp: 371910

Ion Ratio Lower Upper

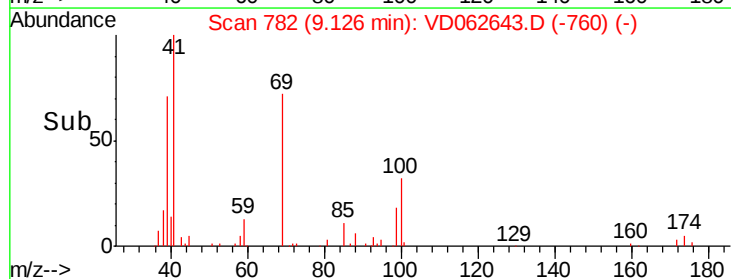
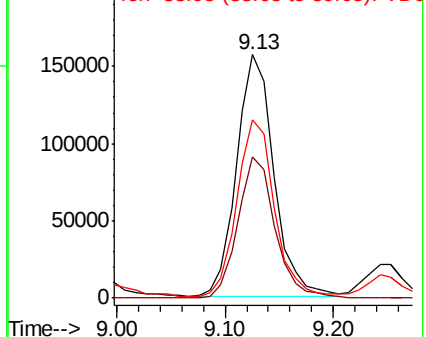
41 100

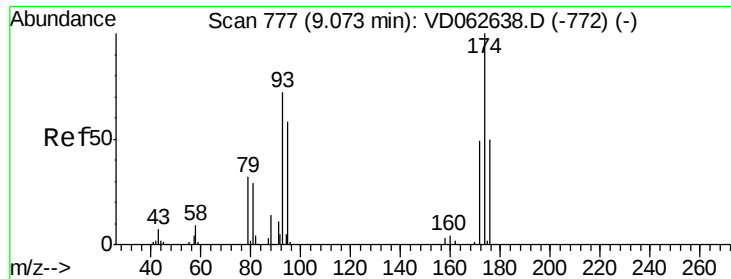
69 58.1 39.8 59.6

39 73.5 59.1 88.7



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: 1776.795 ug/l

RT: 9.10 min Scan# 779

Delta R.T. 0.02 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

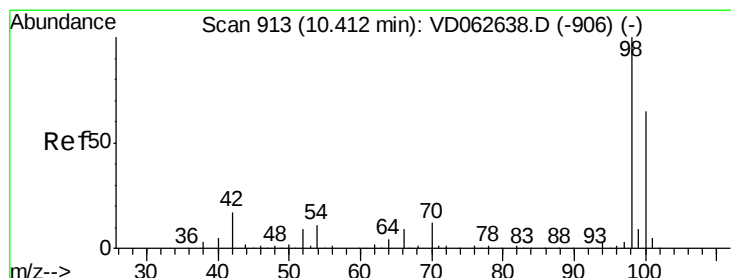
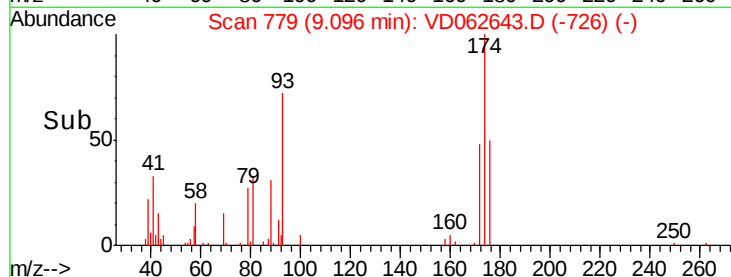
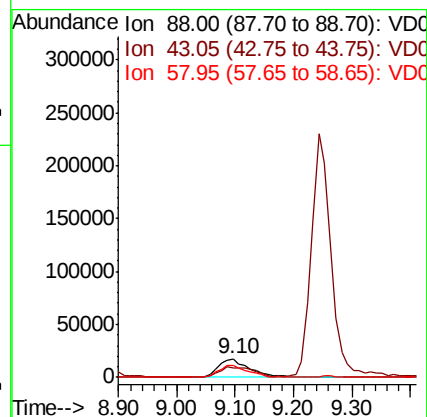
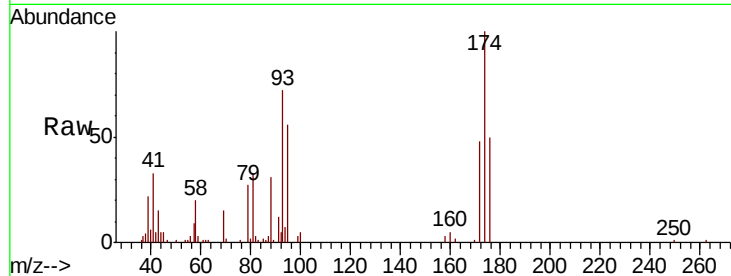
Tot Ion: 88 Resp: 66147

Ion Ratio Lower Upper

88 100

43 49.0 40.7 61.1

58 65.6 54.2 81.4



#50

Toluene-d8

Concen: 81.168 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD062643.D

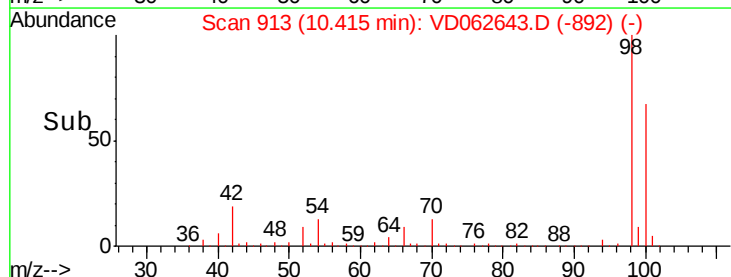
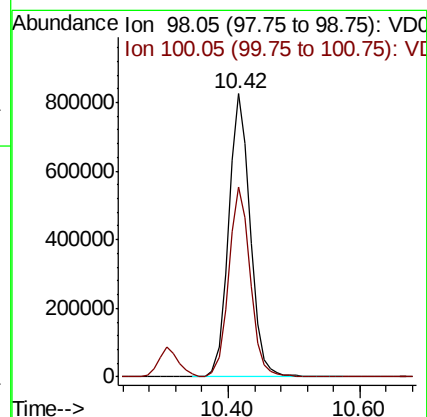
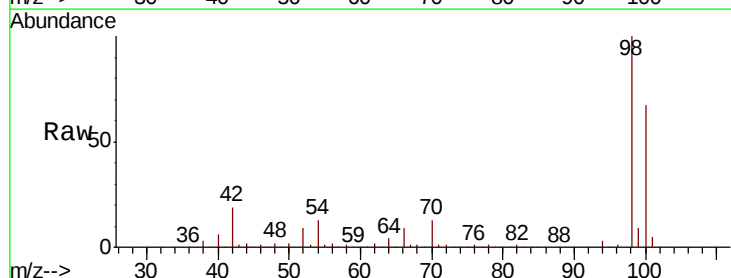
Acq: 7 Jun 2019 16:16

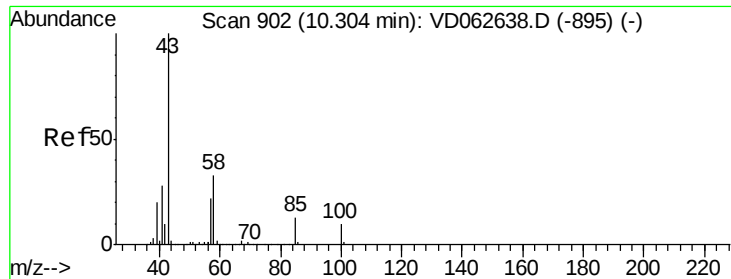
Tgt Ion: 98 Resp: 1892998

Ion Ratio Lower Upper

98 100

100 67.0 52.1 78.1

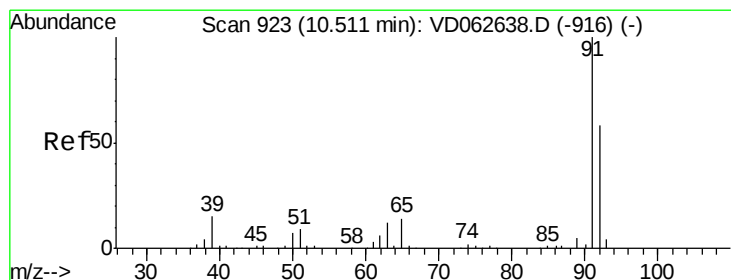
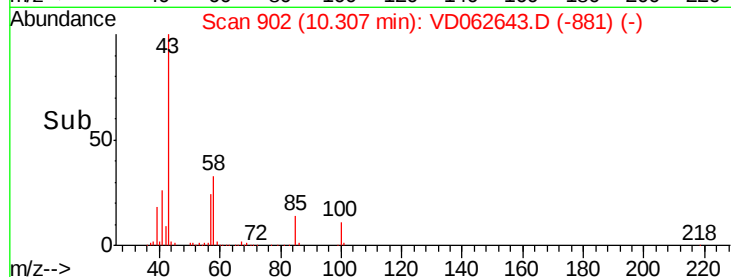
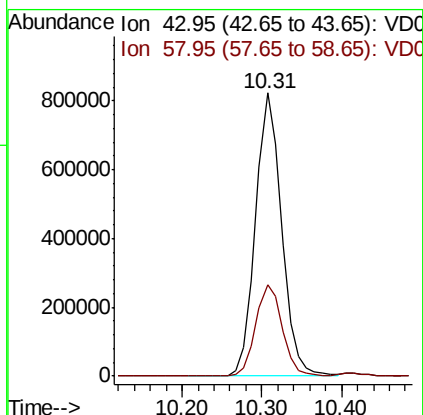
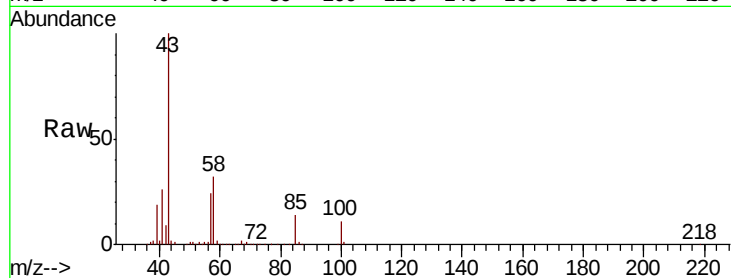




#51
4-Methyl-2-Pentanone
Concen: 412.275 ug/l
RT: 10.31 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

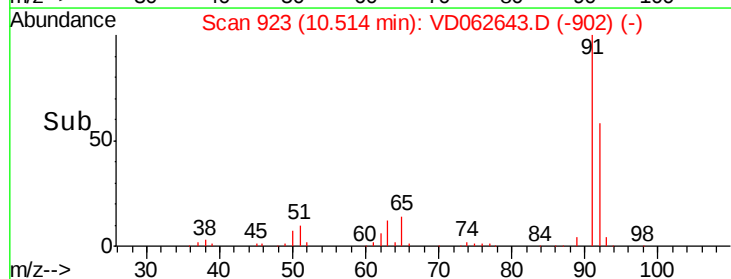
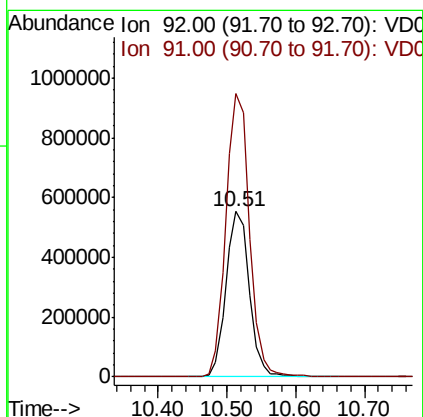
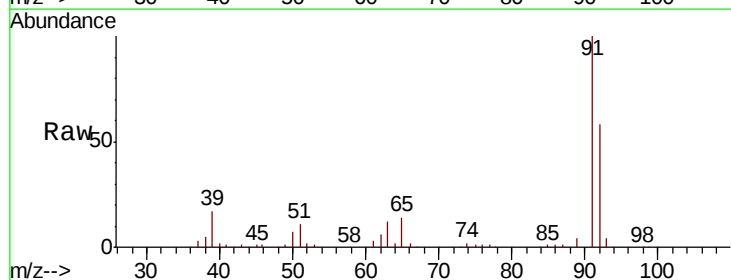
Instrument :
MSVOA_D
ClientSampleId :

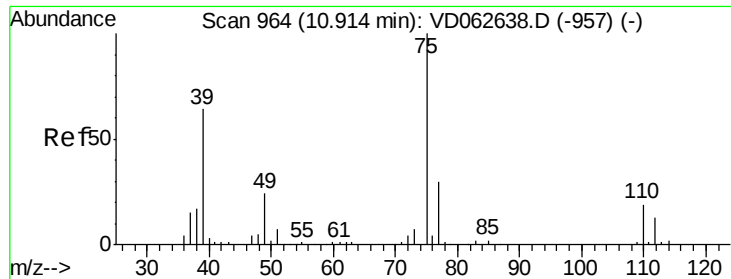
Tot Ion: 43 Resp: 1853193
Ion Ratio Lower Upper
43 100
58 32.5 26.1 39.1



#52
Toluene
Concen: 80.728 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.00 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

Tgt Ion: 92 Resp: 1301279
Ion Ratio Lower Upper
92 100
91 171.1 137.0 205.6

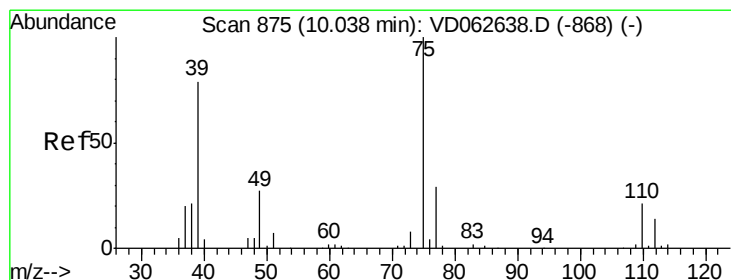
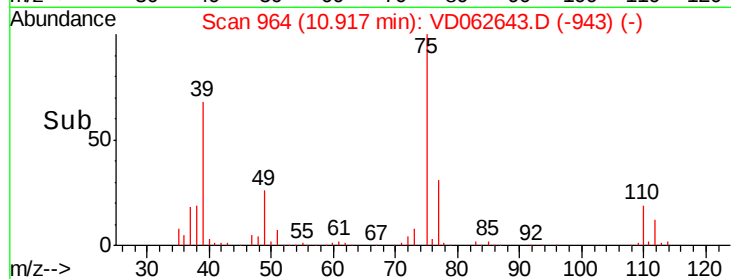
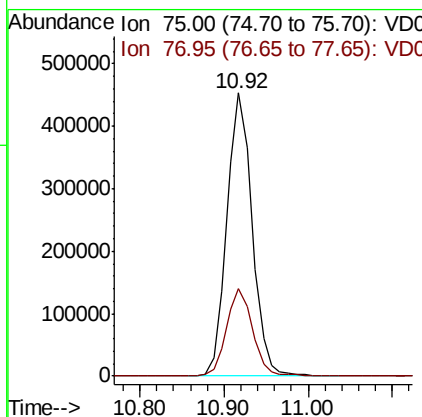
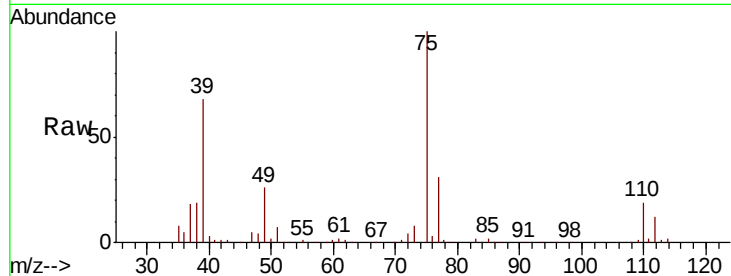




#53
 t-1,3-Dichloropropene
 Concen: 82.734 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

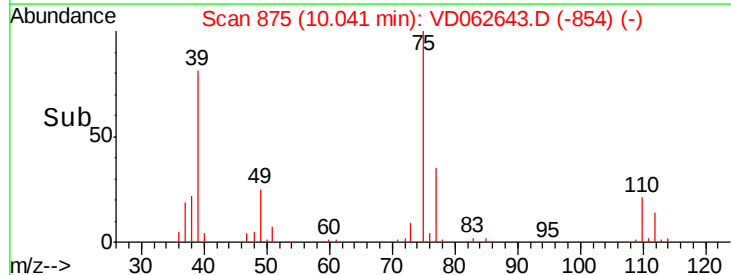
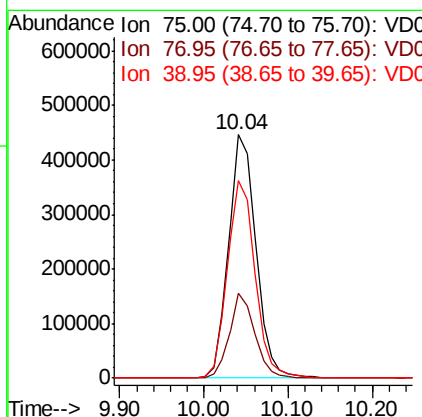
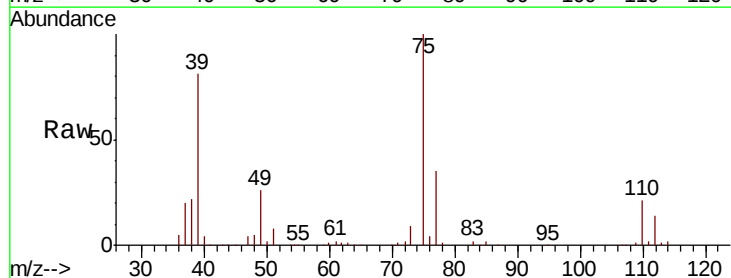
Instrument :
 MSVOA_D
 ClientSampled :

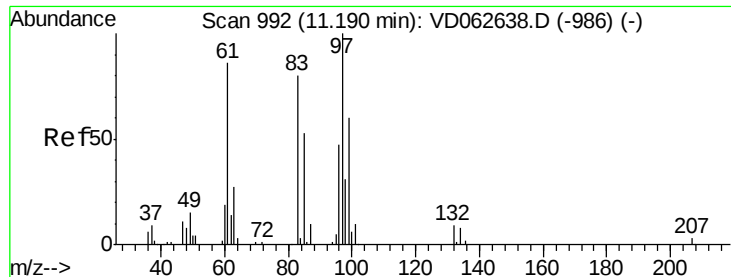
Tot Ion: 75 Resp: 946304
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 85.932 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

Tgt Ion: 75 Resp: 1017015
 Ion Ratio Lower Upper
 75 100
 77 34.8 23.1 34.7#
 39 81.2 63.4 95.2

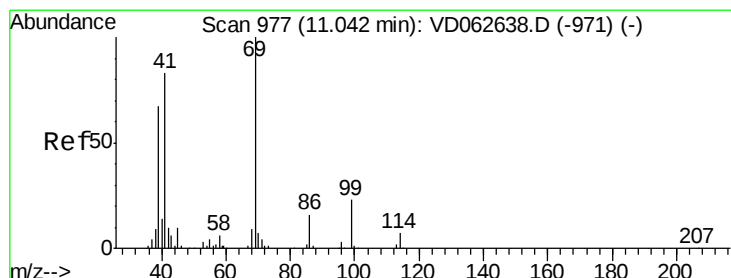
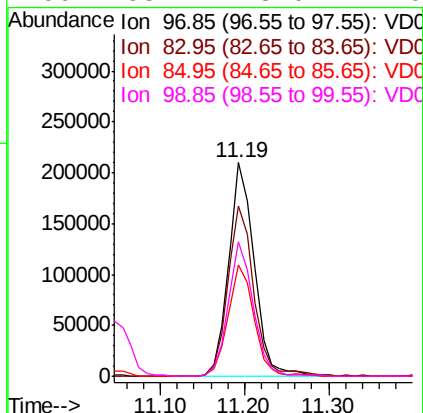
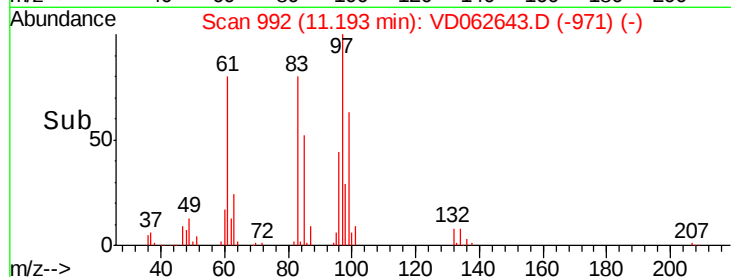
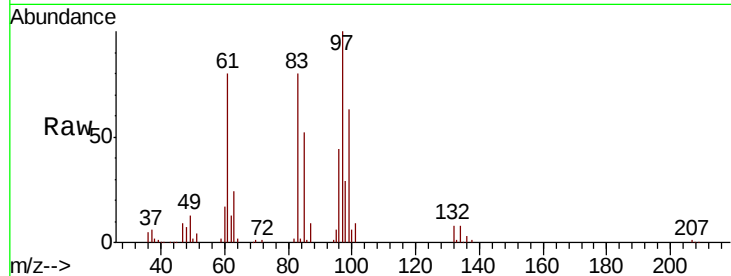




#55
 1,1,2-Trichloroethane
 Concen: 82.119 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

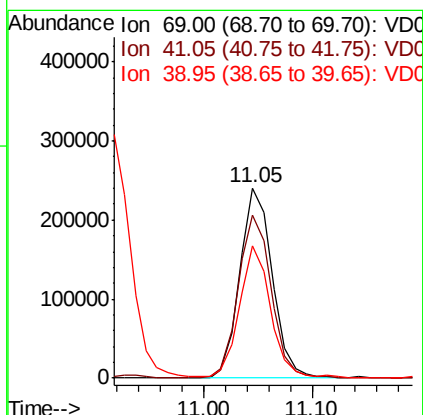
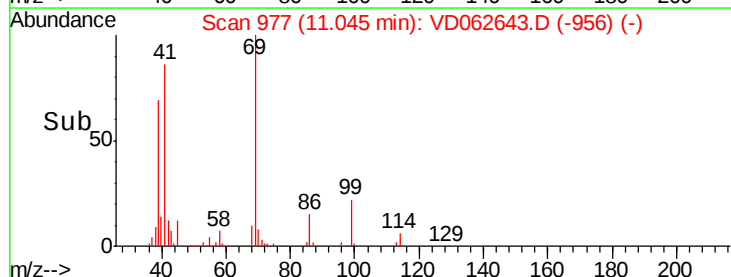
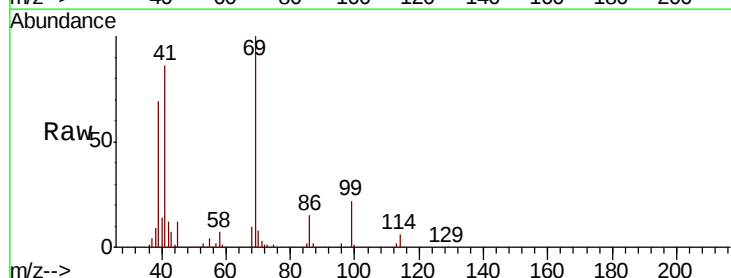
Instrument :
 MSVOA_D
 ClientSampleId :

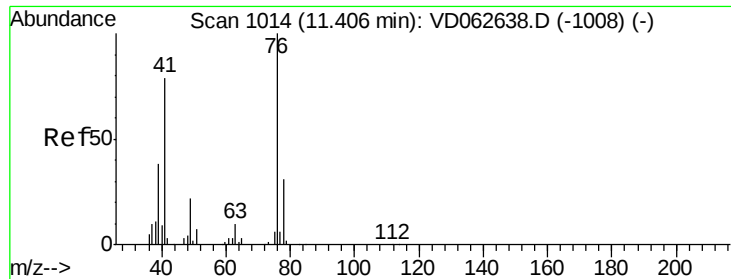
Tot Ion: 97 Resp: 442302
 Ion Ratio Lower Upper
 97 100
 83 79.9 63.8 95.8
 85 52.1 42.3 63.5
 99 63.1 48.0 72.0



#56
 Ethyl methacrylate
 Concen: 85.390 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

Tgt Ion: 69 Resp: 502723
 Ion Ratio Lower Upper
 69 100
 41 85.7 66.2 99.4
 39 69.5 53.8 80.8

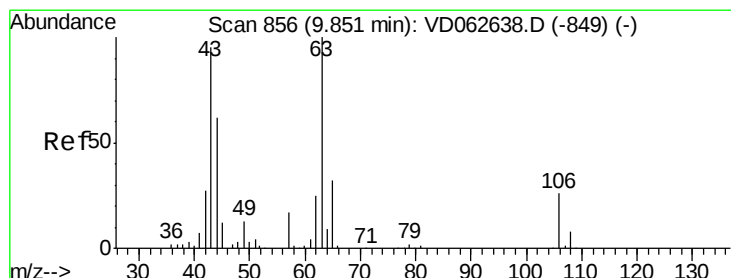
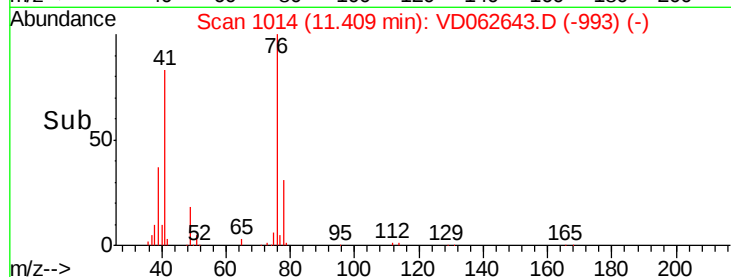
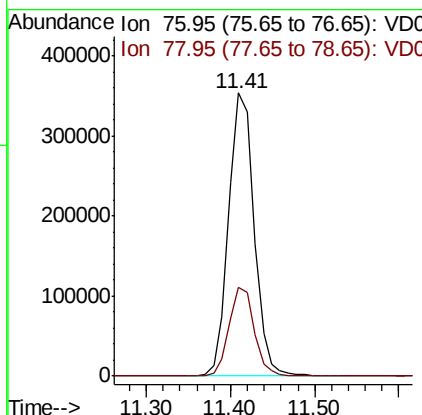
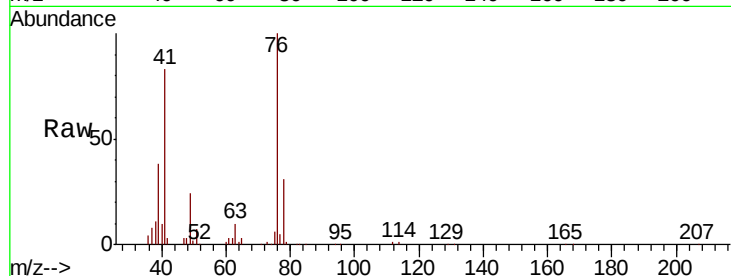




#57
 1,3-Dichloropropane
 Concen: 88.284 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

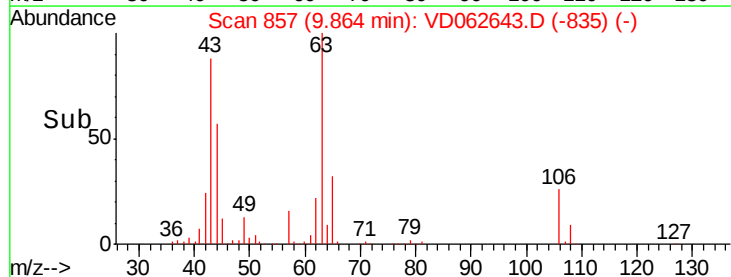
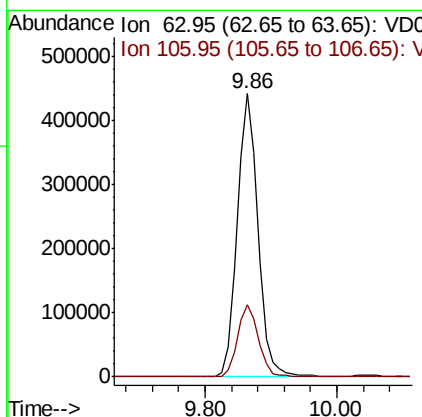
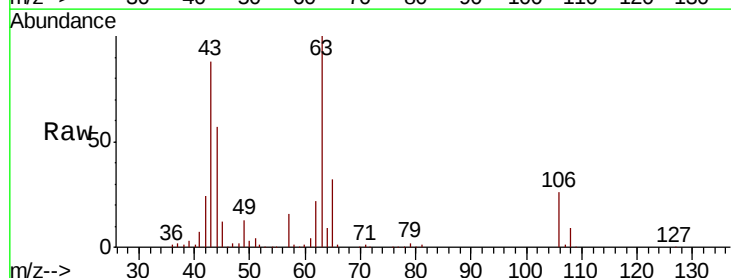
Instrument :
 MSVOA_D
 ClientSampleId :

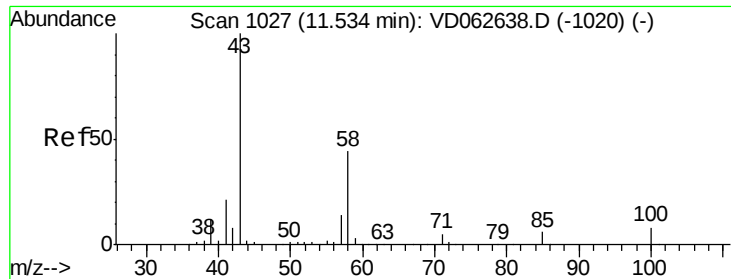
Tot Ion: 76 Resp: 747832
 Ion Ratio Lower Upper
 76 100
 78 31.2 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 328.993 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

Tgt Ion: 63 Resp: 973450
 Ion Ratio Lower Upper
 63 100
 106 25.6 20.5 30.7

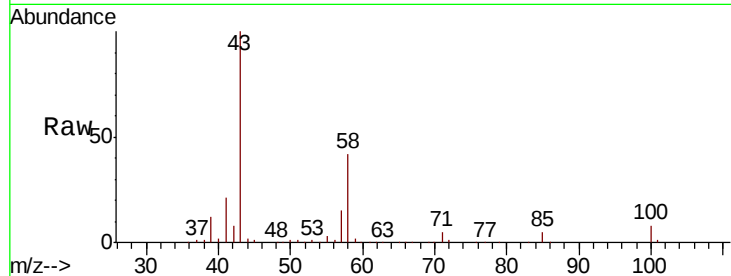




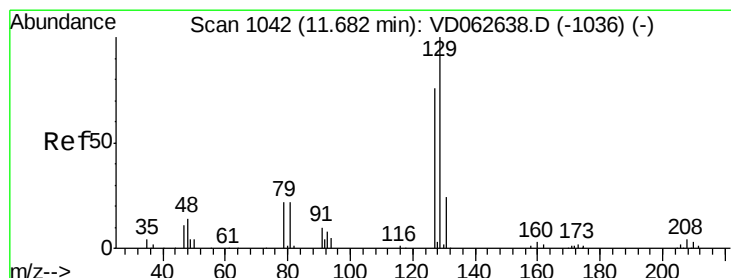
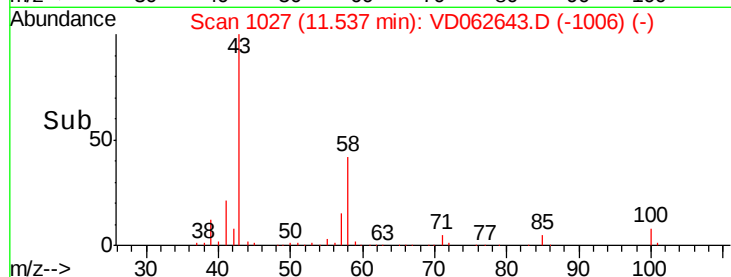
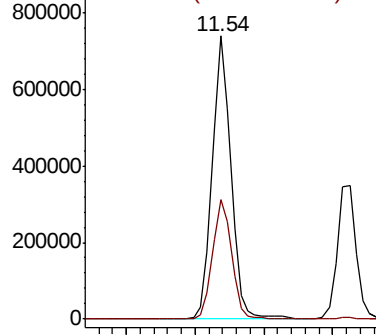
#59
2-Hexanone
Concen: 414.260 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1401644
Ion Ratio Lower Upper
43 100
58 42.4 21.8 65.4

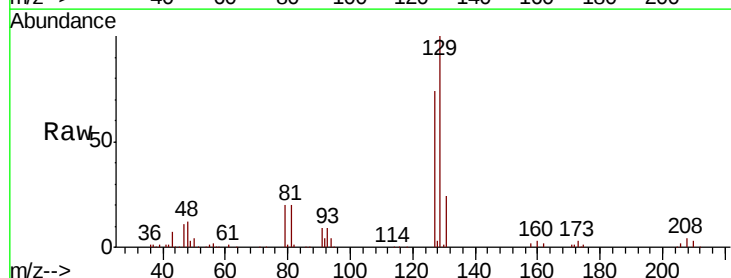


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

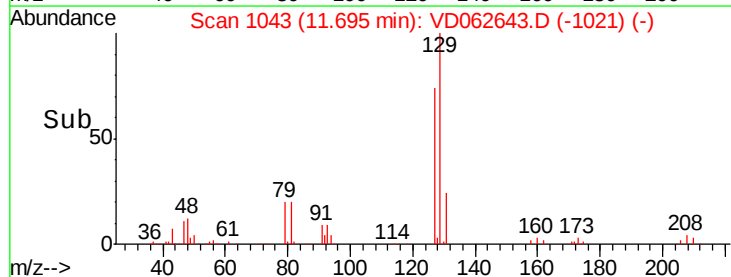
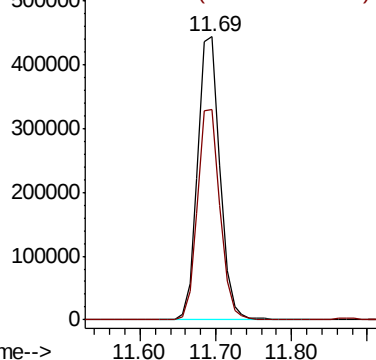


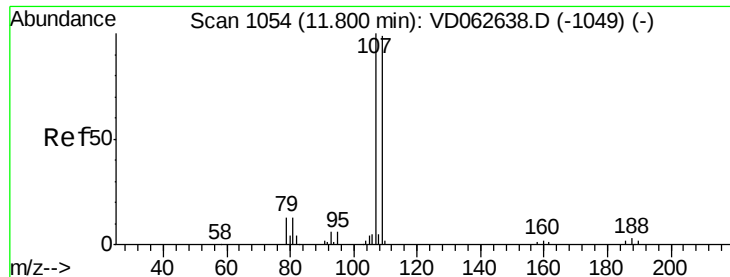
#60
Dibromochloromethane
Concen: 84.324 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

Tgt Ion:129 Resp: 902118
Ion Ratio Lower Upper
129 100
127 74.3 38.0 114.1



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 82.856 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

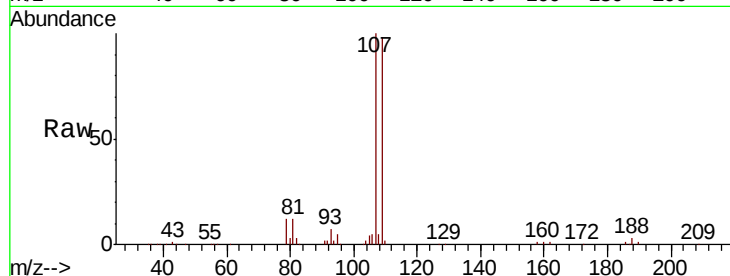
ClientSampled :

Tot Ion:107 Resp: 541210

Ion Ratio Lower Upper

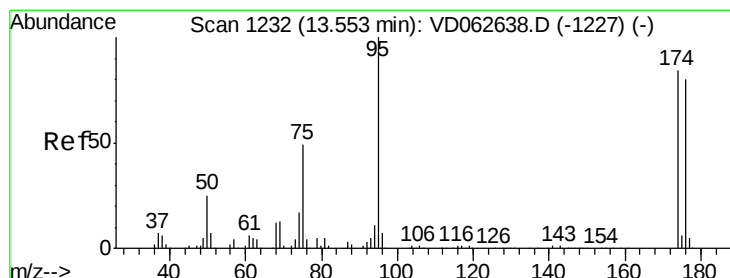
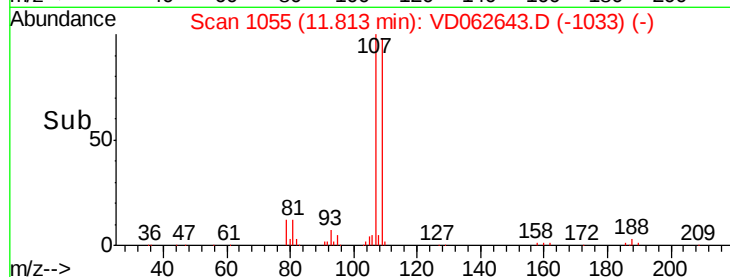
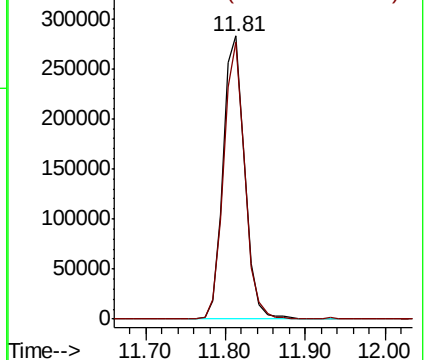
107 100

109 97.7 79.2 118.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 77.456 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

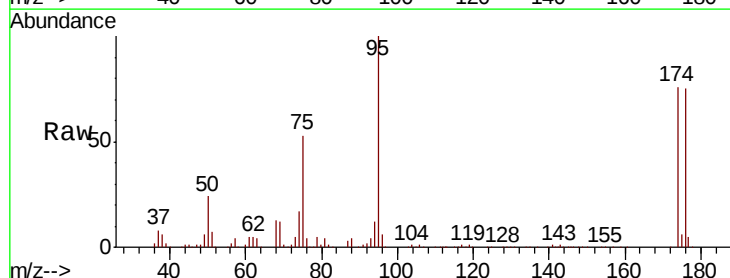
Tgt Ion: 95 Resp: 857048

Ion Ratio Lower Upper

95 100

174 75.8 0.0 167.0

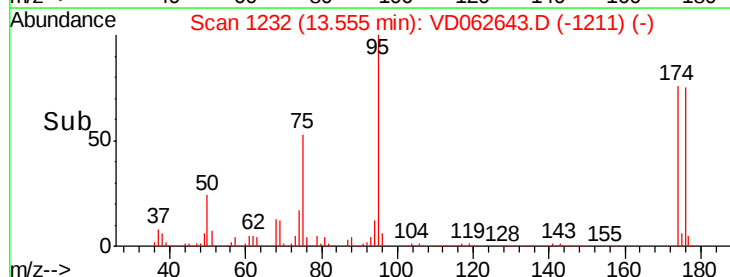
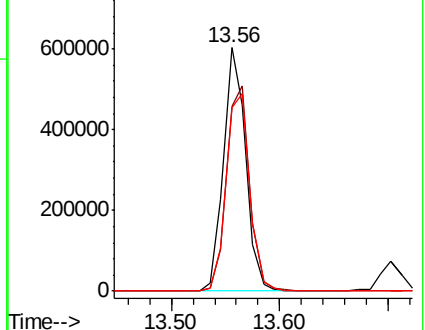
176 75.3 0.0 159.2

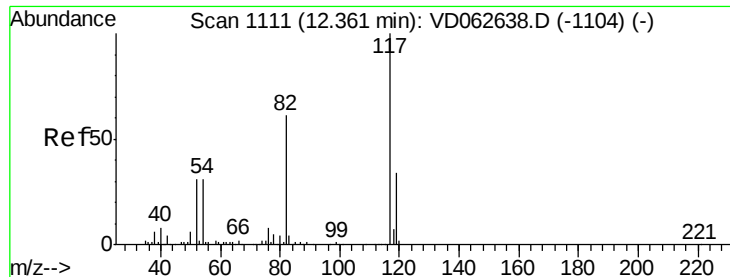


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

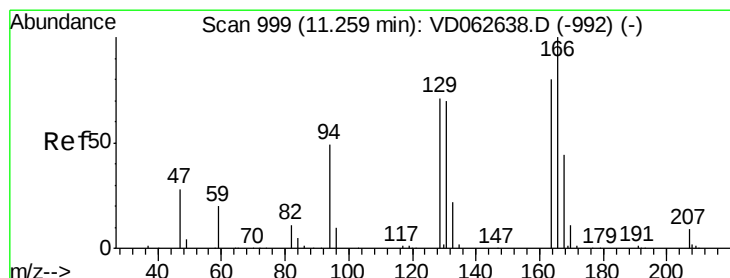
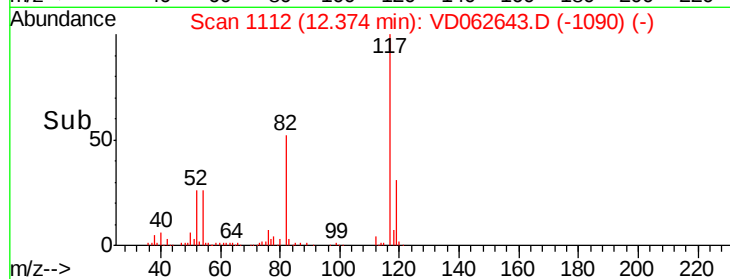
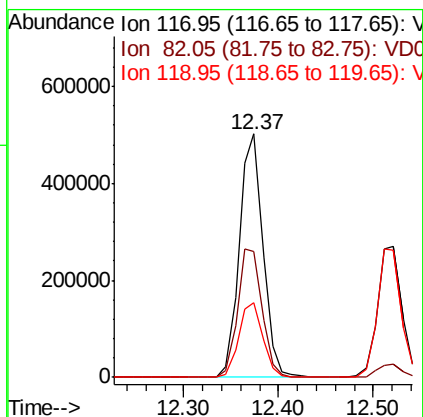
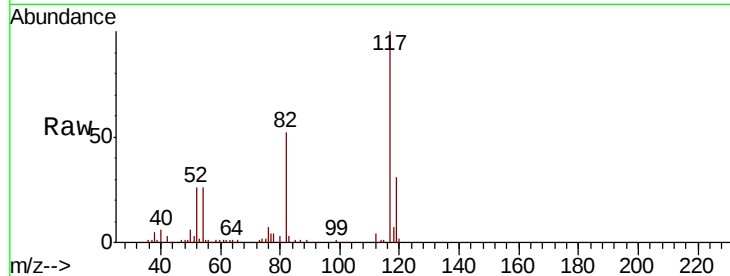




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

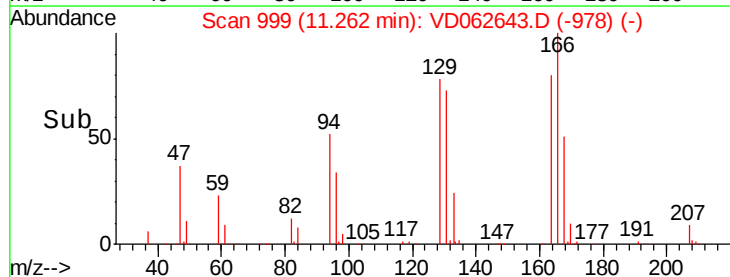
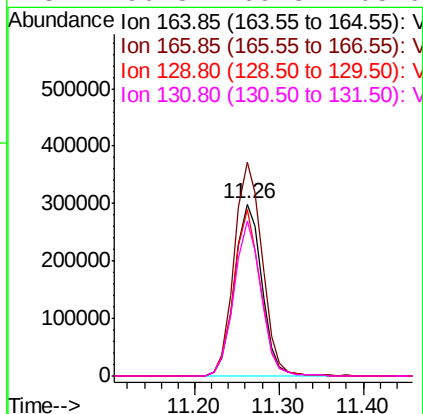
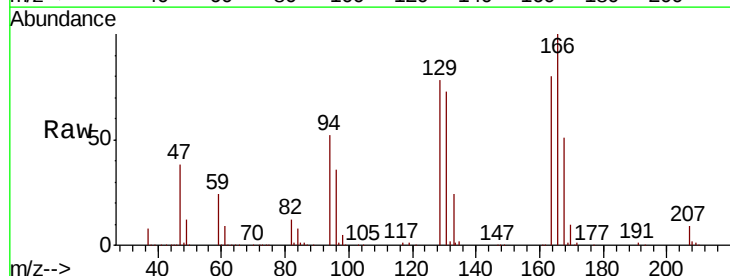
Instrument :
MSVOA_D
ClientSampleId :

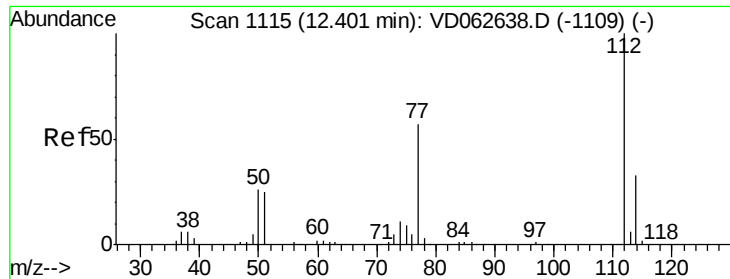
Tot Ion:117 Resp: 868314
Ion Ratio Lower Upper
117 100
82 51.9 48.7 73.1
119 30.9 27.0 40.6



#64
Tetrachloroethene
Concen: 82.619 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

Tgt Ion:164 Resp: 681102
Ion Ratio Lower Upper
164 100
166 124.4 99.4 149.2
129 96.9 70.2 105.4
131 90.3 69.3 103.9





#65

Chlorobenzene

Concen: 83.870 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

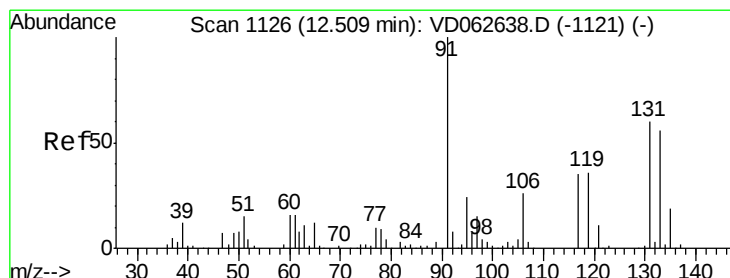
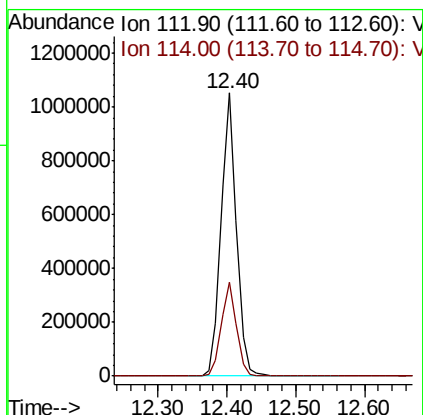
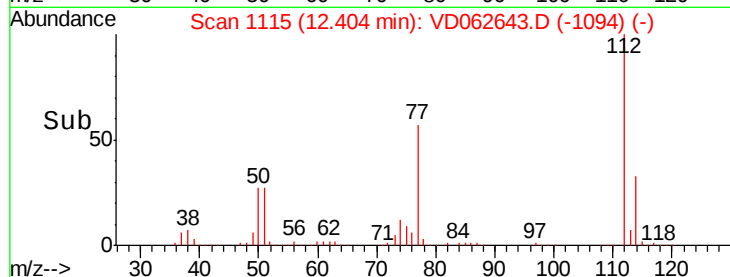
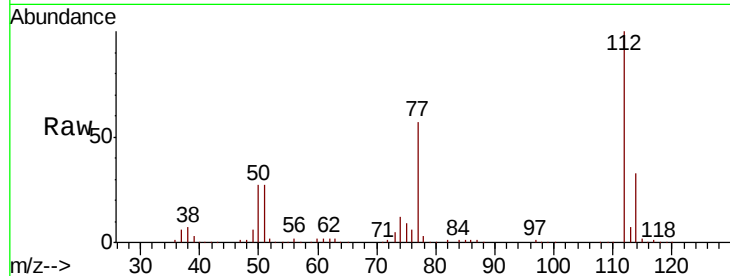
ClientSampled :

Tot Ion:112 Resp: 1631436

Ion Ratio Lower Upper

112 100

114 33.2 26.3 39.5



#66

1,1,1,2-Tetrachloroethane

Concen: 84.398 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

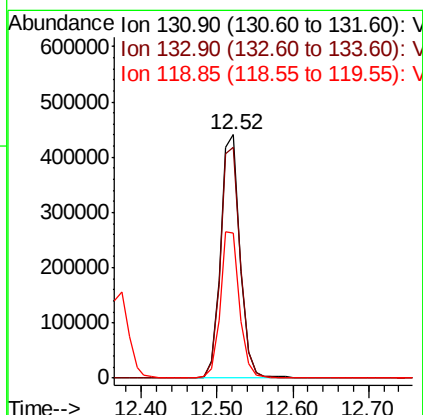
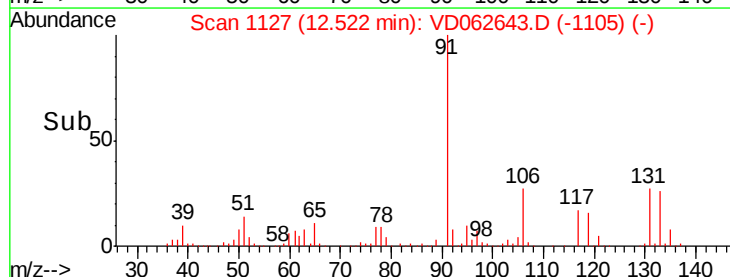
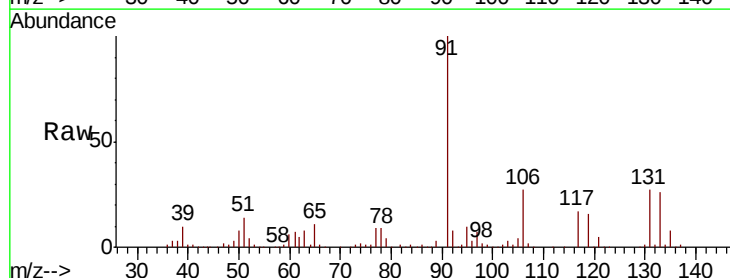
Tgt Ion:131 Resp: 786679

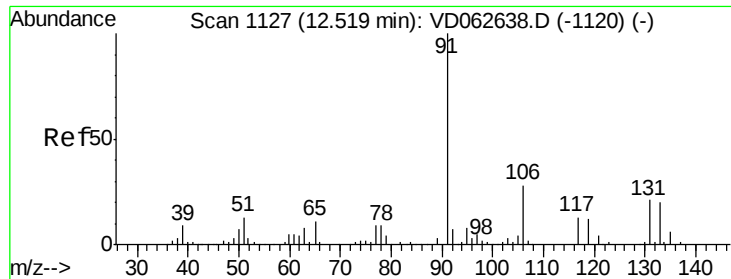
Ion Ratio Lower Upper

131 100

133 94.8 46.8 140.3

119 59.4 29.9 89.8

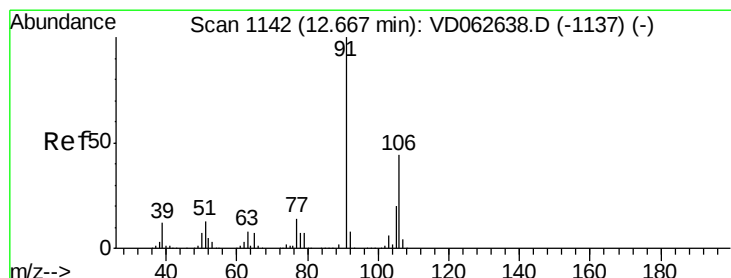
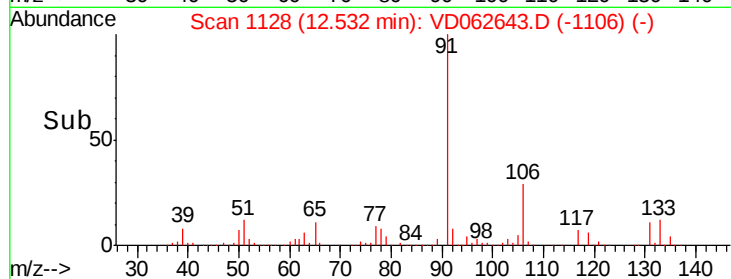
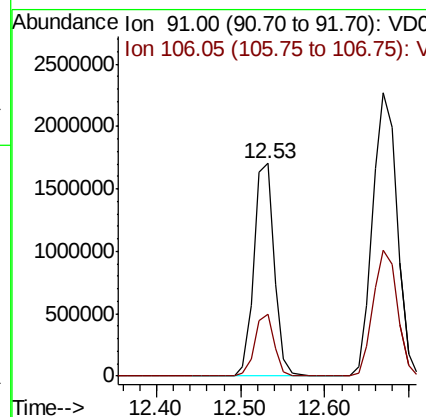
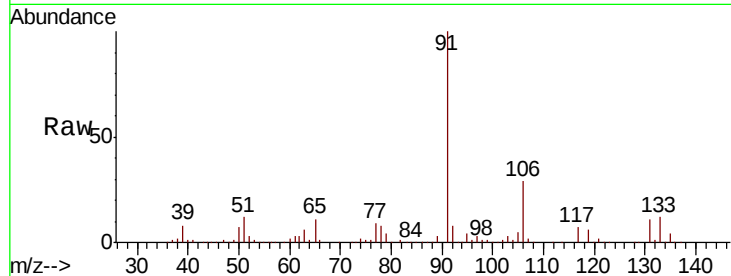




#67
Ethyl Benzene
Concen: 83.870 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

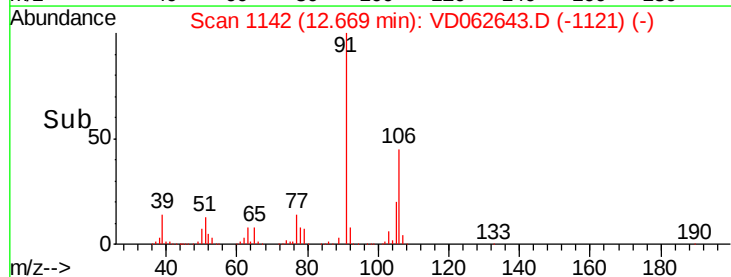
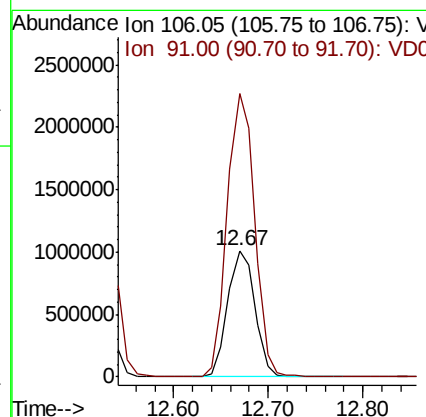
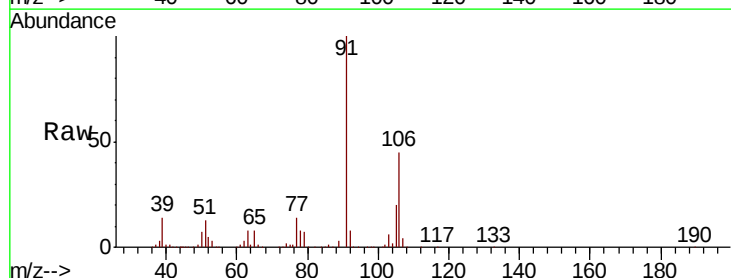
Instrument :
MSVOA_D
ClientSampleId :

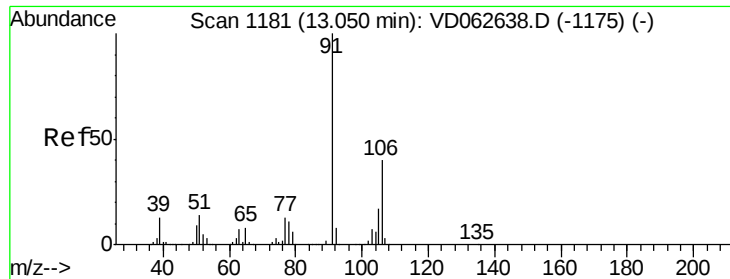
Tot Ion: 91 Resp: 2900478
Ion Ratio Lower Upper
91 100
106 29.2 22.1 33.1



#68
m/p-Xylenes
Concen: 166.161 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

Tgt Ion:106 Resp: 2016174
Ion Ratio Lower Upper
106 100
91 224.0 180.2 270.4

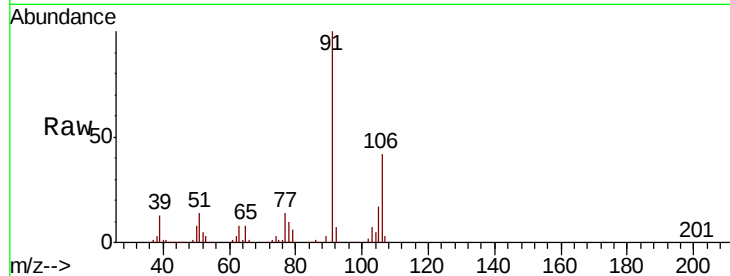




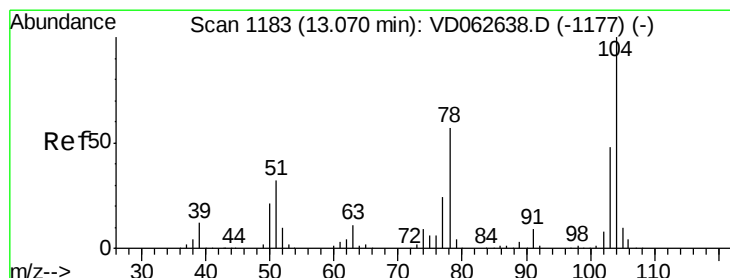
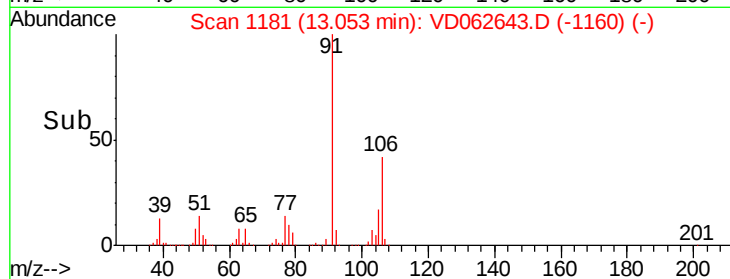
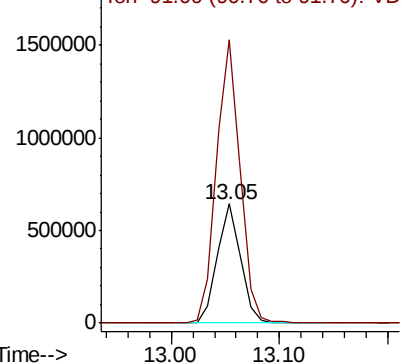
#69
o-Xylene
Concen: 85.181 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:106 Resp: 970148
Ion Ratio Lower Upper
106 100
91 237.0 124.1 372.1

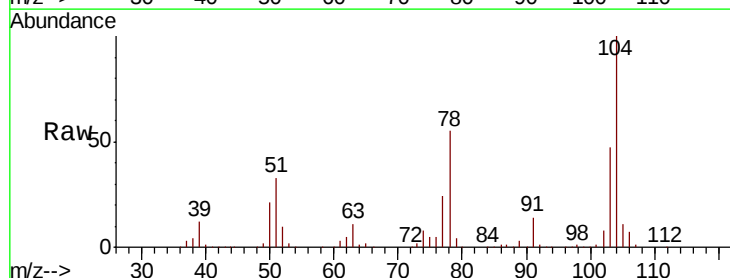


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

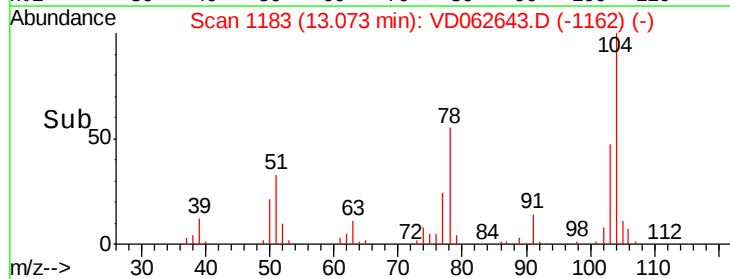
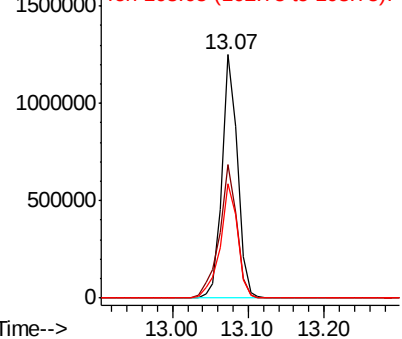


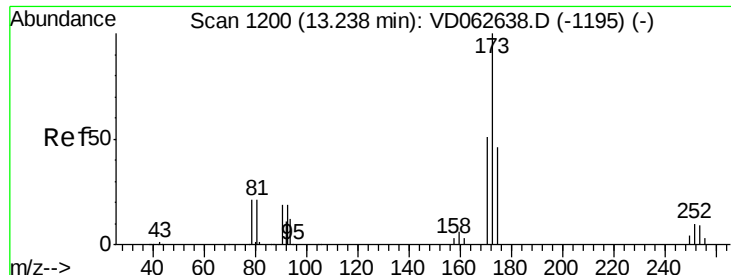
#70
Styrene
Concen: 85.897 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

Tgt Ion:104 Resp: 1744414
Ion Ratio Lower Upper
104 100
78 54.8 45.9 68.9
103 47.0 38.4 57.6



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: 87.909 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

ClientSampled :

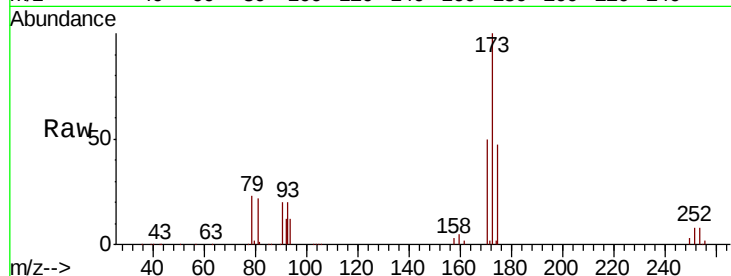
Tot Ion:173 Resp: 569552

Ion Ratio Lower Upper

173 100

175 47.3 22.9 68.7

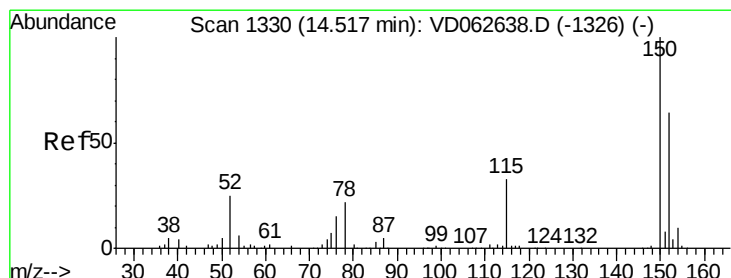
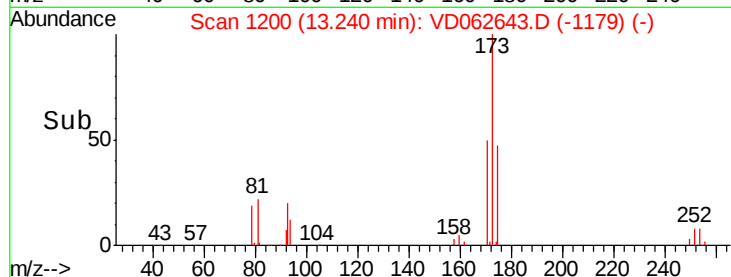
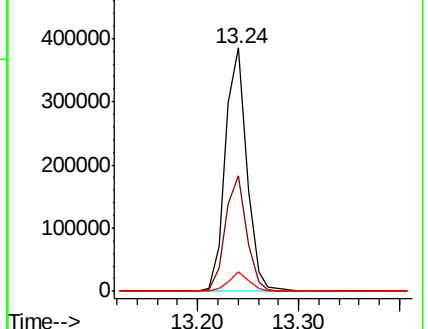
254 7.9 7.0 10.4



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

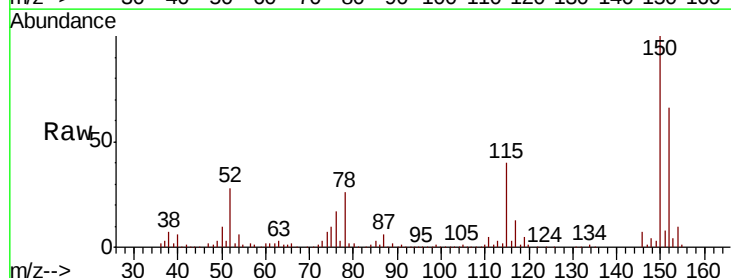
Tgt Ion:152 Resp: 502791

Ion Ratio Lower Upper

152 100

115 60.5 30.1 90.5

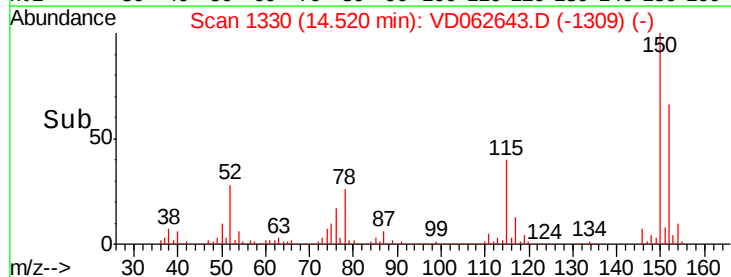
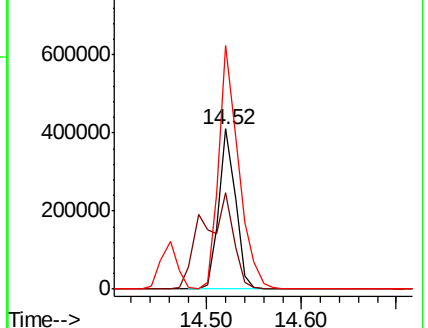
150 152.0 0.0 314.0

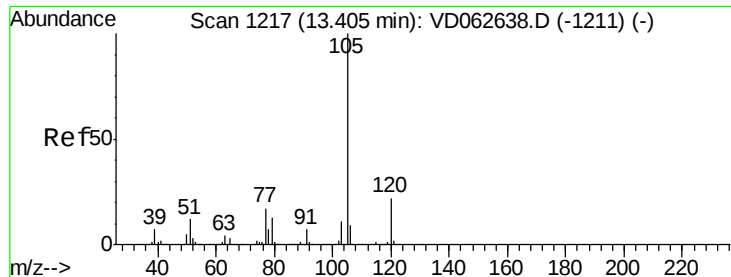


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 84.583 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

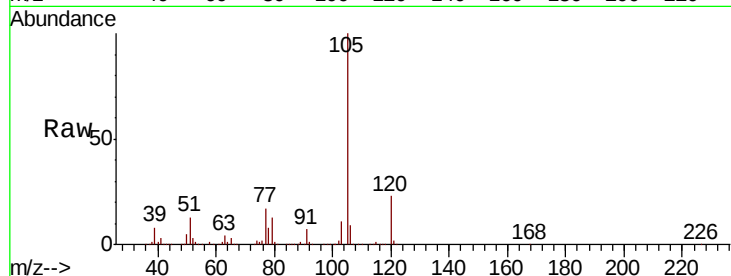
ClientSampleId :

Tot Ion:105 Resp: 3096621

Ion Ratio Lower Upper

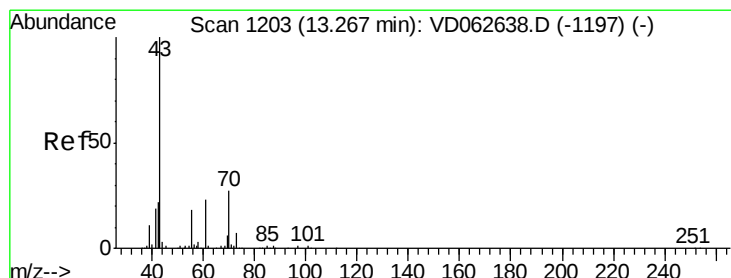
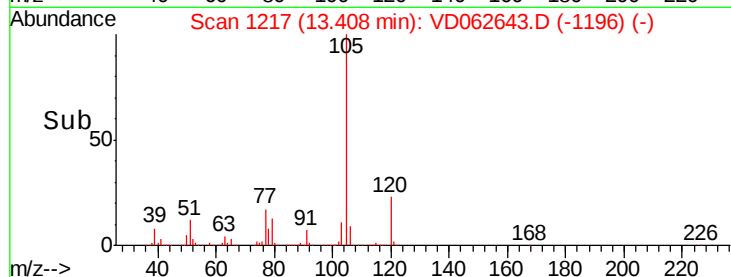
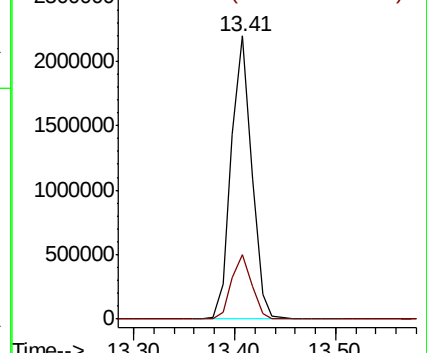
105 100

120 22.9 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 86.849 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Tgt Ion: 43 Resp: 856108

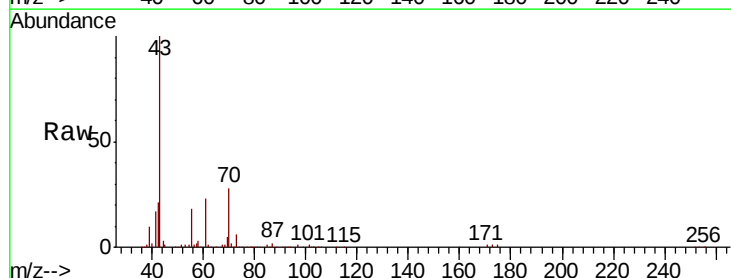
Ion Ratio Lower Upper

43 100

70 28.2 21.8 32.8

55 17.6 14.6 21.8

61 23.1 18.4 27.6

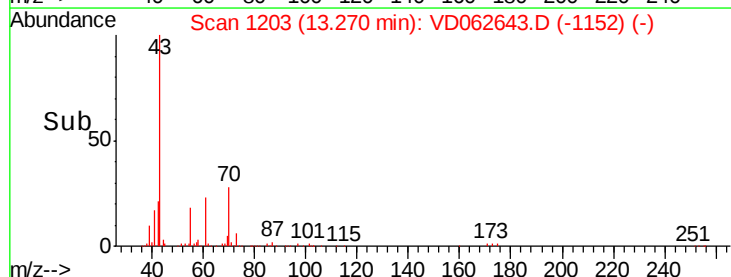
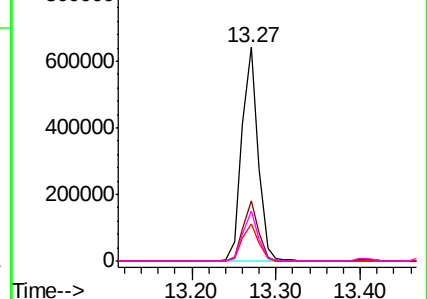


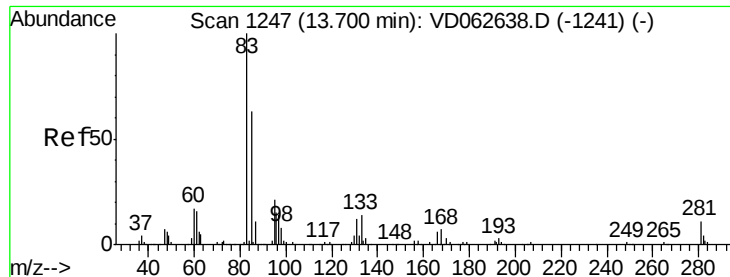
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 81.821 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

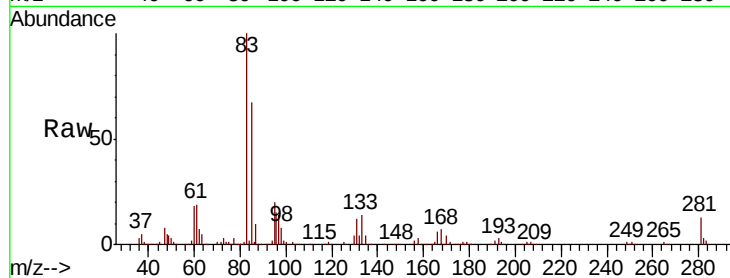
Tot Ion: 83 Resp: 506808

Ion Ratio Lower Upper

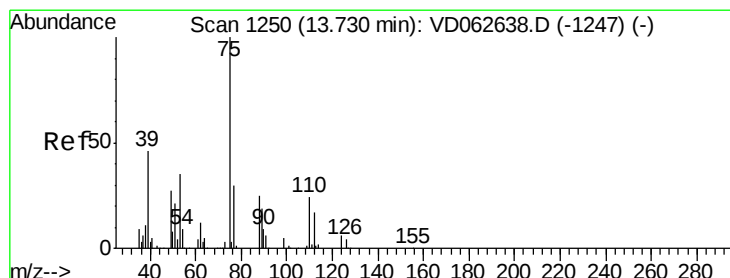
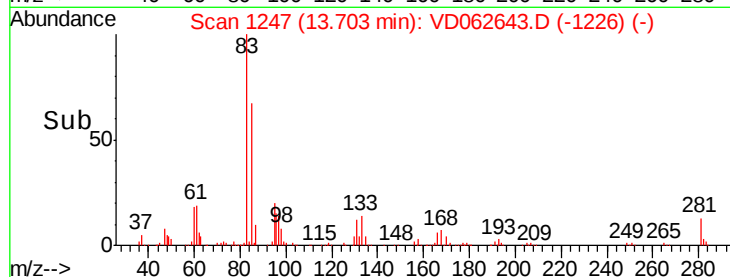
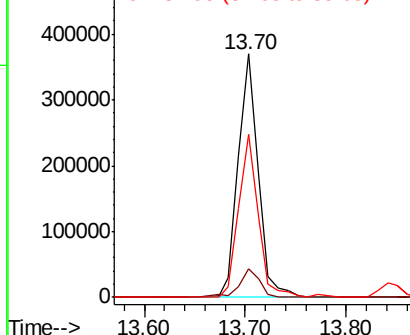
83 100

131 11.9 5.9 17.7

85 66.9 31.3 93.9



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: 84.177 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062643.D

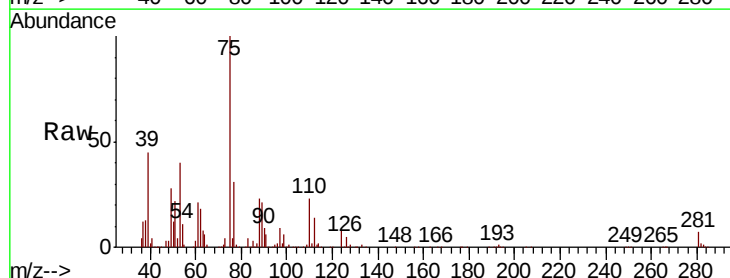
Acq: 7 Jun 2019 16:16

Tgt Ion: 75 Resp: 583916

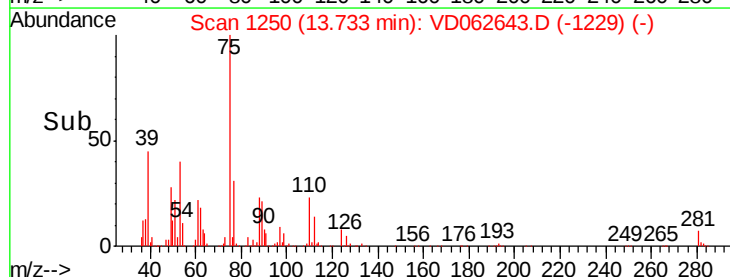
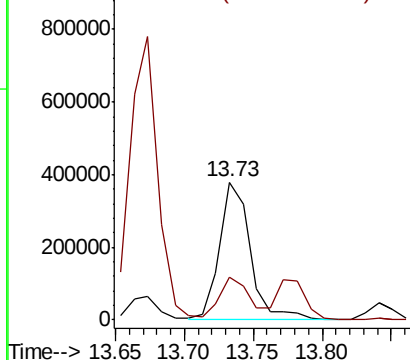
Ion Ratio Lower Upper

75 100

77 31.4 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 82.115 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

ClientSampled :

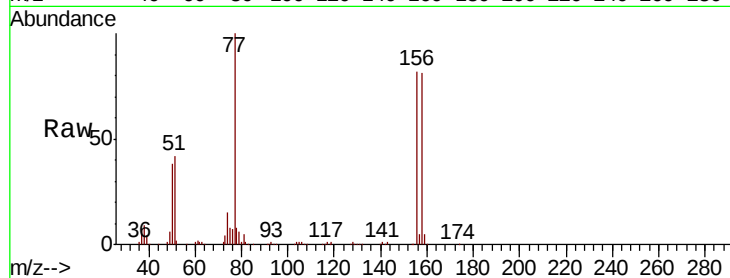
Tot Ion:156 Resp: 845836

Ion Ratio Lower Upper

156 100

77 122.1 56.3 168.8

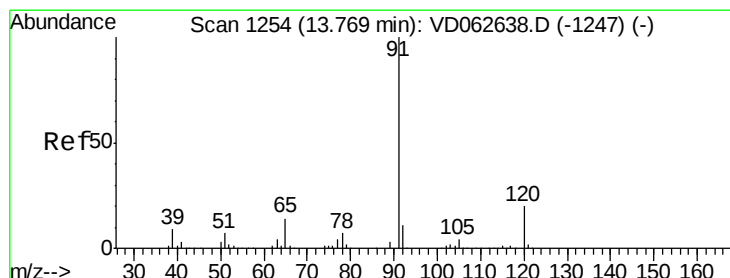
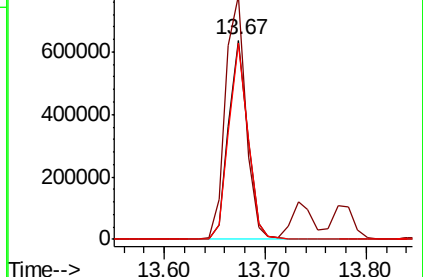
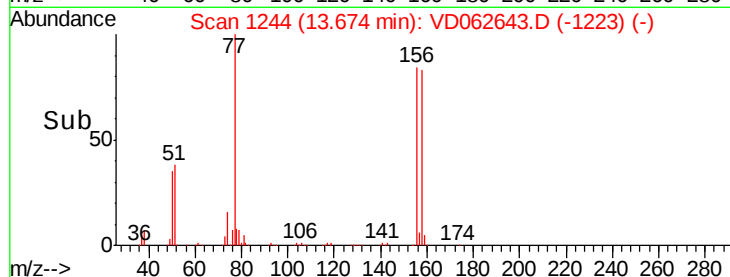
158 98.5 49.6 148.8



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: 80.141 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062643.D

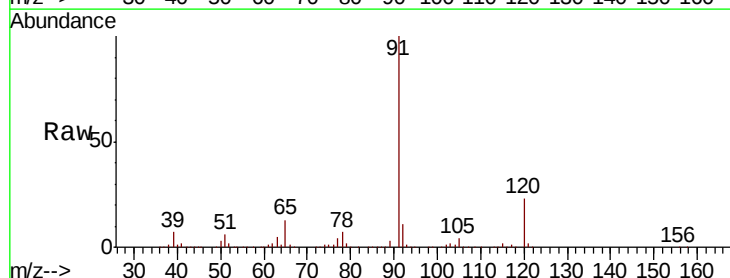
Acq: 7 Jun 2019 16:16

Tgt Ion: 91 Resp: 3551760

Ion Ratio Lower Upper

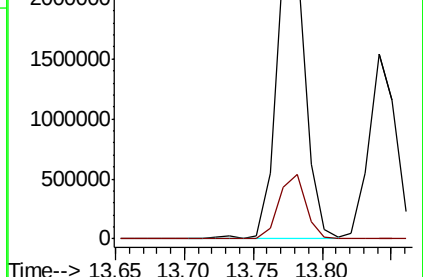
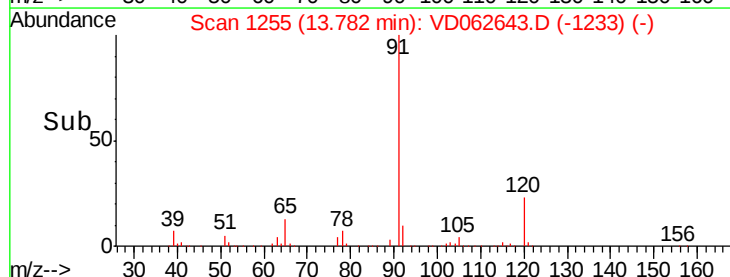
91 100

120 22.7 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 81.138 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

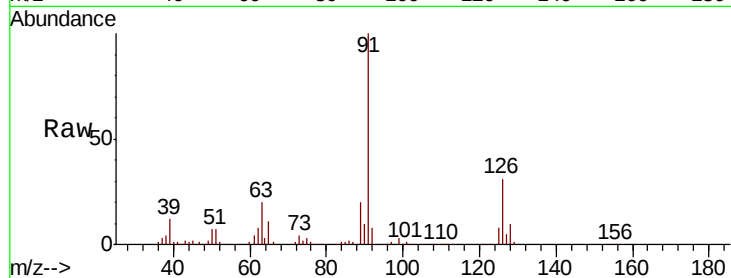
ClientSampleId :

Tot Ion: 91 Resp: 2097888

Ion Ratio Lower Upper

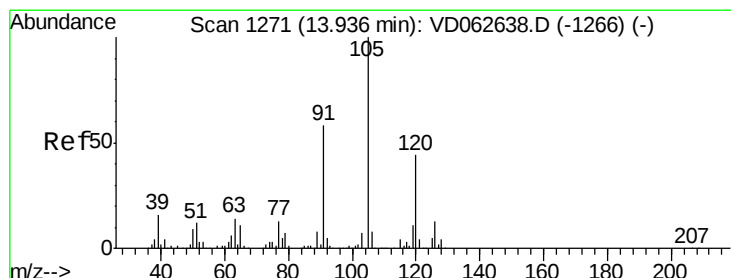
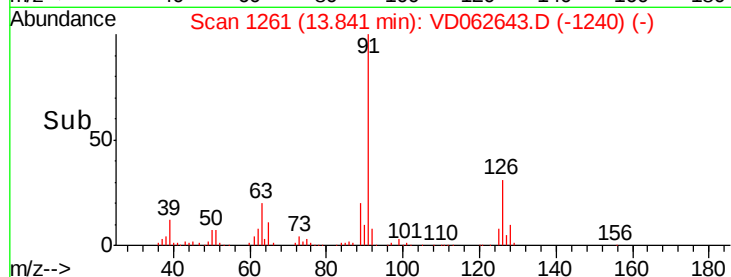
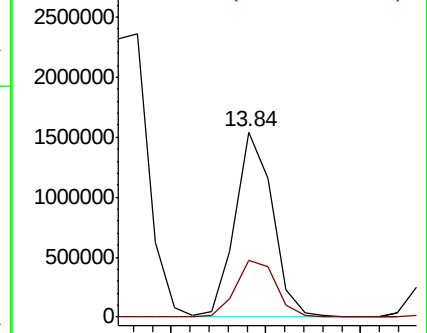
91 100

126 31.0 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 86.564 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062643.D

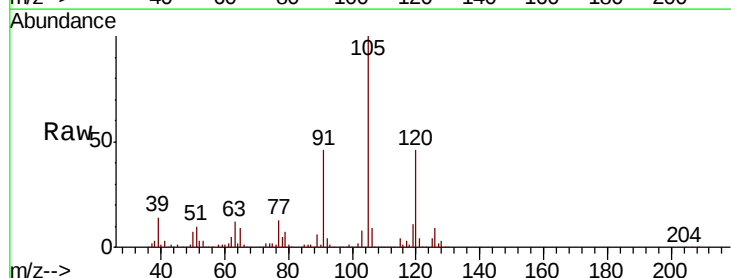
Acq: 7 Jun 2019 16:16

Tgt Ion:105 Resp: 2765968

Ion Ratio Lower Upper

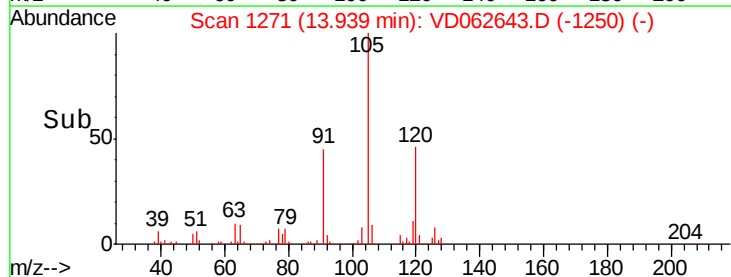
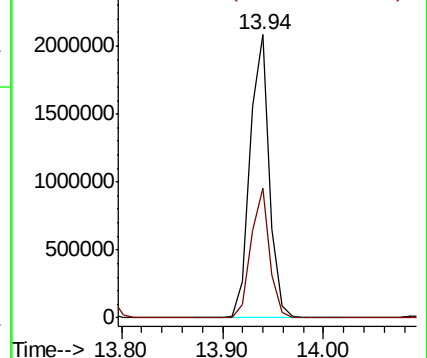
105 100

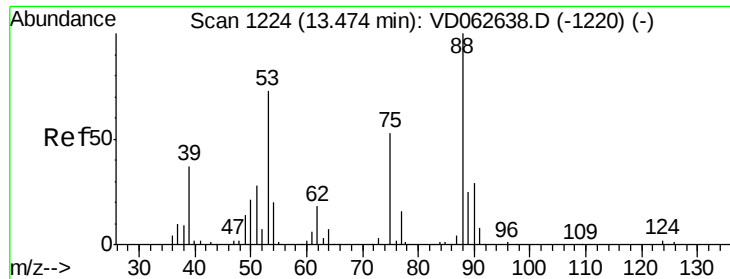
120 45.8 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

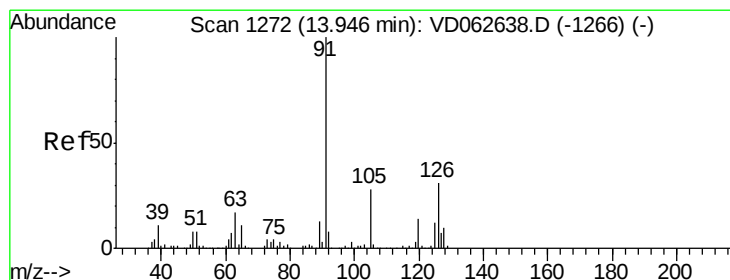
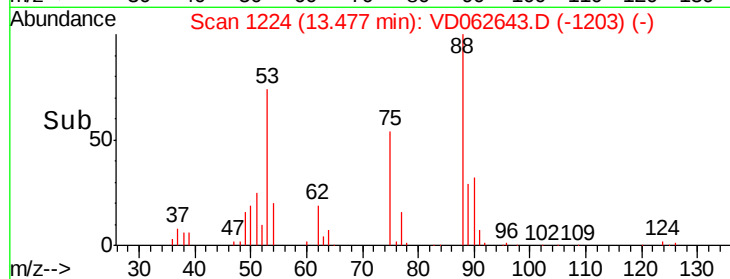
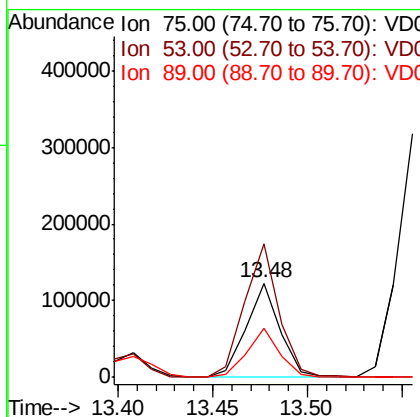
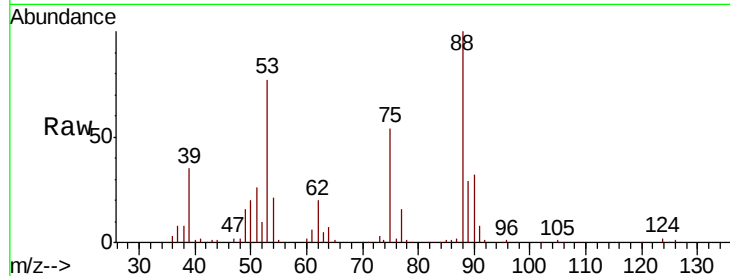




#81
trans-1,4-Dichloro-2-butene
Concen: 85.434 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

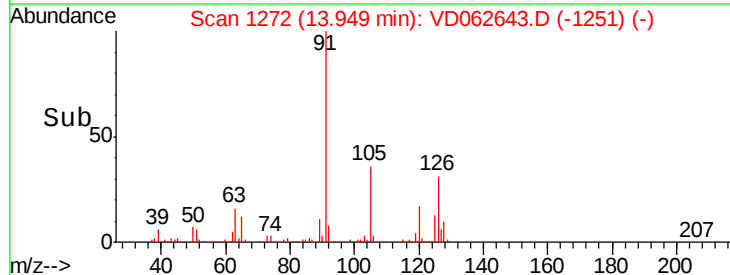
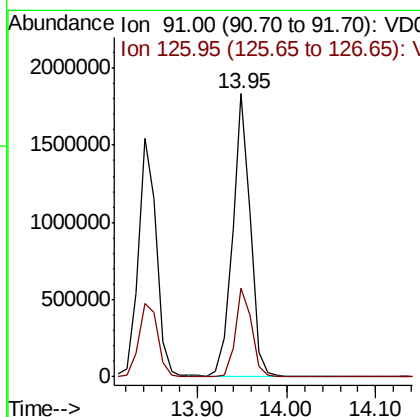
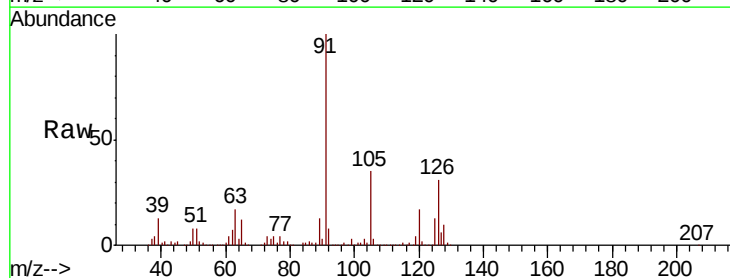
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 152657
Ion Ratio Lower Upper
75 100
53 141.4 109.4 164.2
89 52.4 37.0 55.6



#82
4-Chlorotoluene
Concen: 82.419 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

Tgt Ion: 91 Resp: 2563871
Ion Ratio Lower Upper
91 100
126 31.5 15.6 46.8





#83

tert-Butylbenzene

Concen: 83.217 ug/l

RT: 14.20 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

ClientSampled :

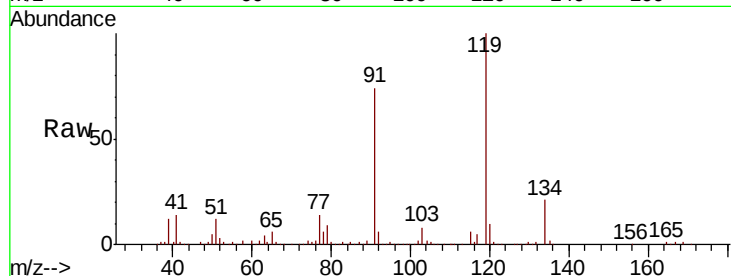
Tot Ion:119 Resp: 2966644

Ion Ratio Lower Upper

119 100

91 73.9 35.4 106.1

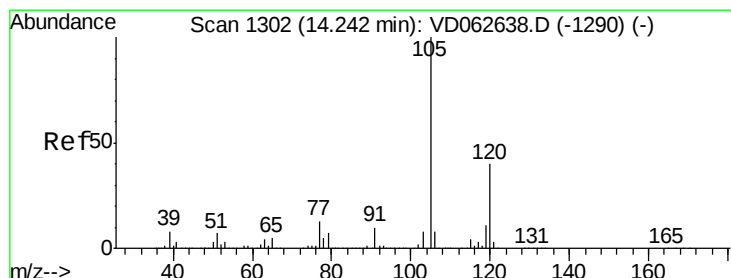
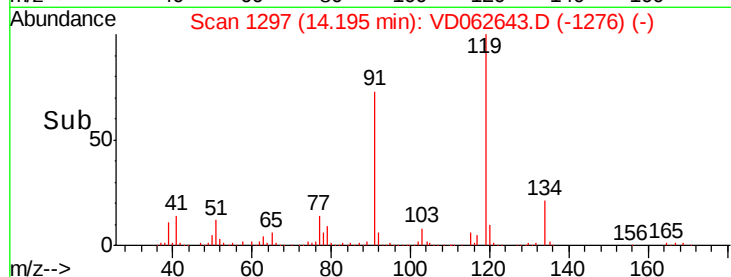
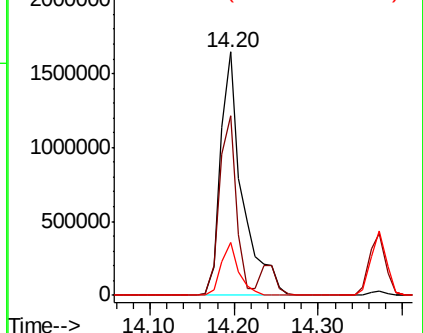
134 21.5 10.8 32.3



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: 82.499 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VD062643.D

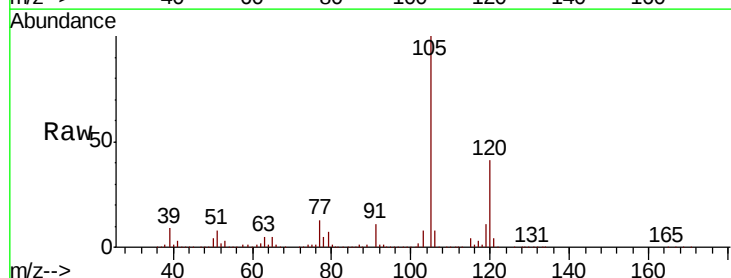
Acq: 7 Jun 2019 16:16

Tgt Ion:105 Resp: 2648277

Ion Ratio Lower Upper

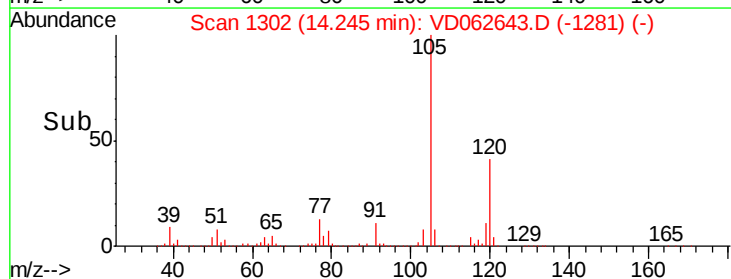
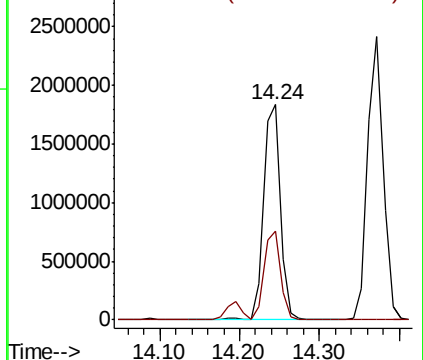
105 100

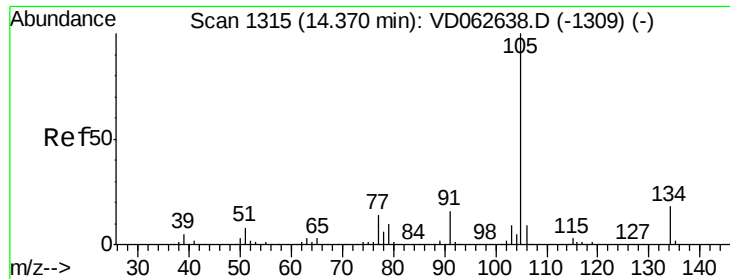
120 41.2 20.3 60.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 87.053 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

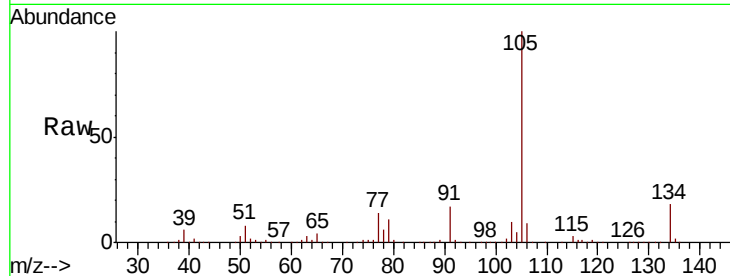
ClientSampled :

Tot Ion:105 Resp: 3227280

Ion Ratio Lower Upper

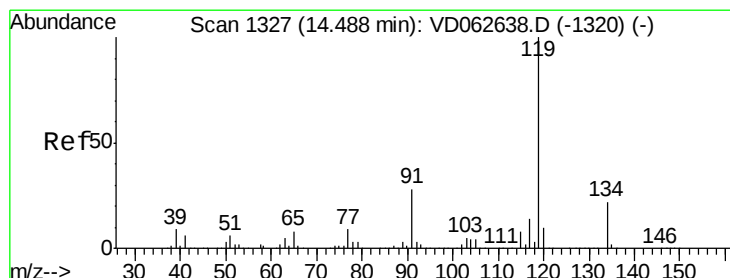
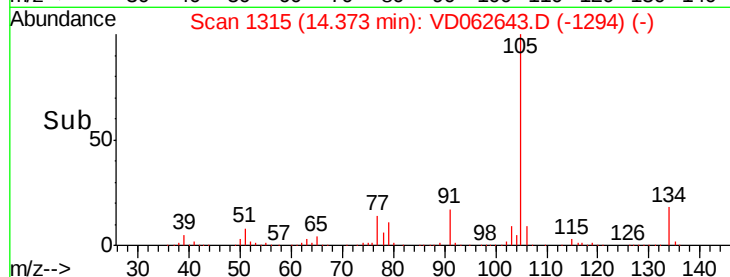
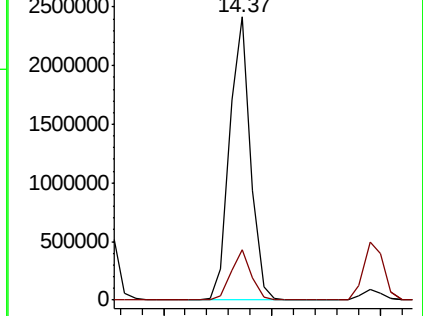
105 100

134 17.9 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 80.150 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

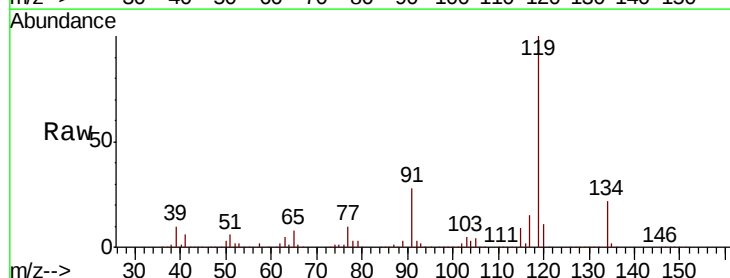
Tgt Ion:119 Resp: 2882714

Ion Ratio Lower Upper

119 100

134 22.3 10.9 32.6

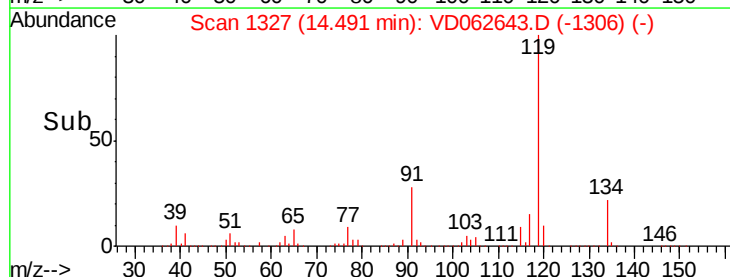
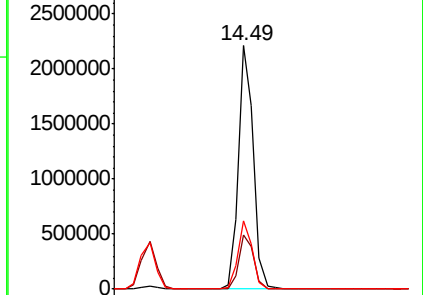
91 28.2 13.9 41.6

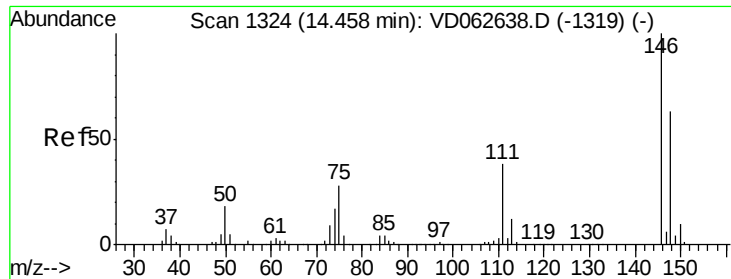


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

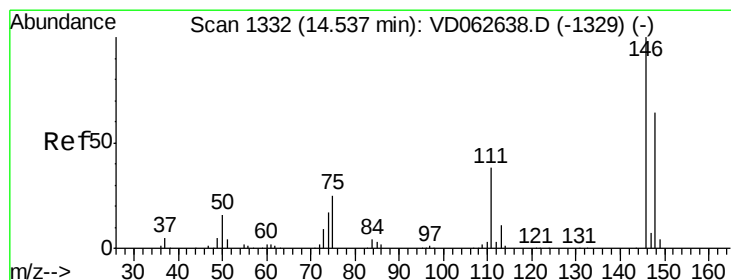
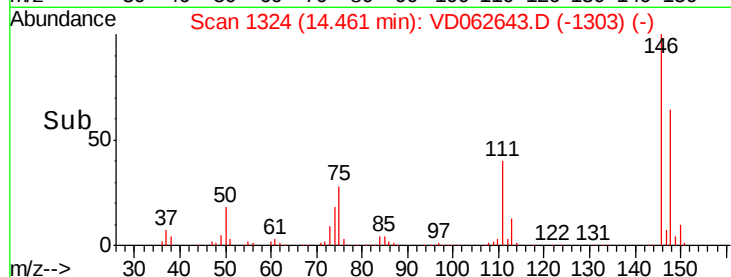
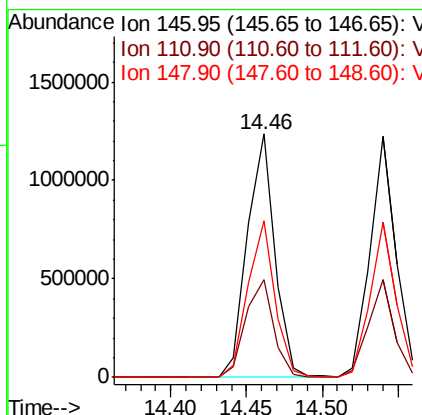
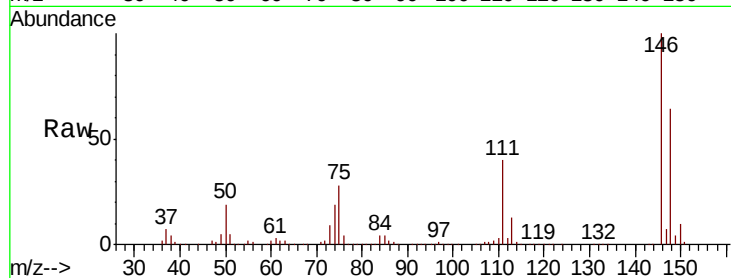




#87
 1,3-Dichlorobenzene
 Concen: 82.367 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

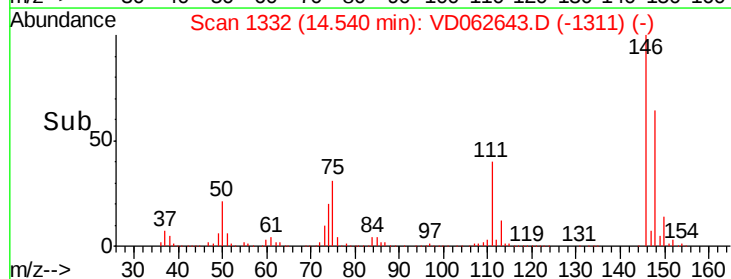
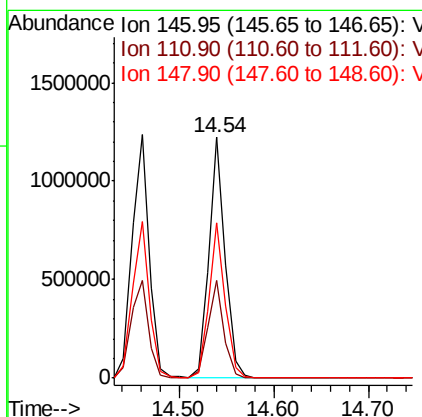
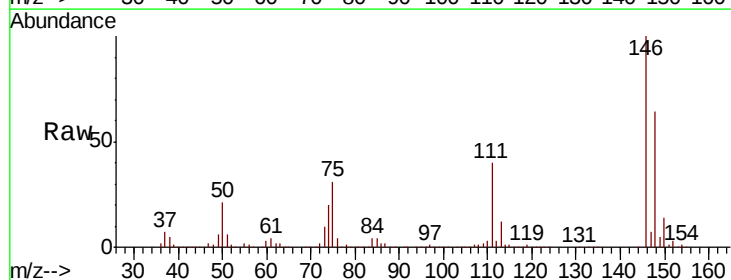
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 1569346
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.2 57.6
 148 64.1 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 82.209 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

Tgt Ion:146 Resp: 1471232
 Ion Ratio Lower Upper
 146 100
 111 40.5 18.9 56.7
 148 64.3 32.3 96.8





#89

n-Butylbenzene

Concen: 79.826 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062643.D

Acq: 7 Jun 2019 16:16

Instrument :

MSVOA_D

ClientSampled :

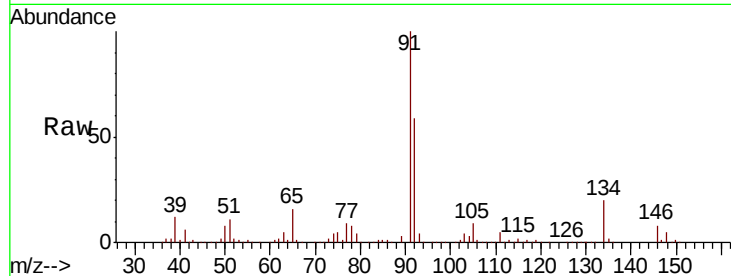
Tot Ion: 91 Resp: 2615894

Ion Ratio Lower Upper

91 100

92 58.6 29.4 88.3

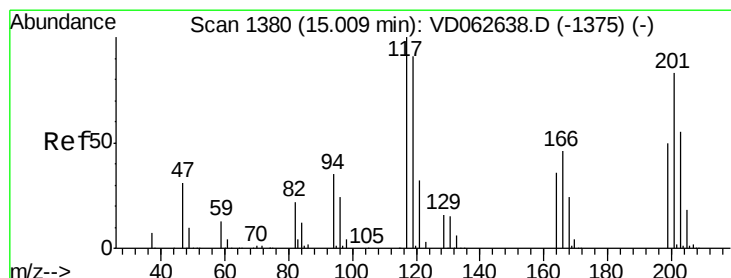
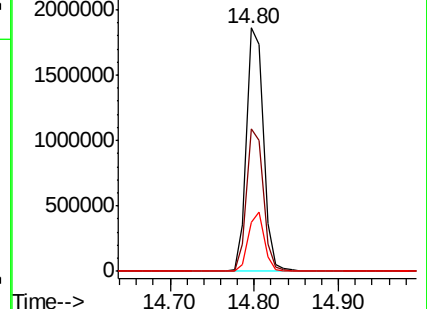
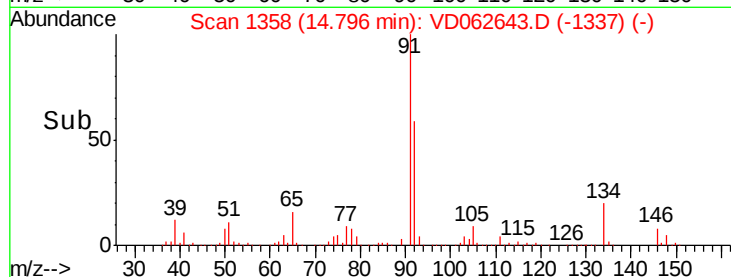
134 20.3 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 84.419 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062643.D

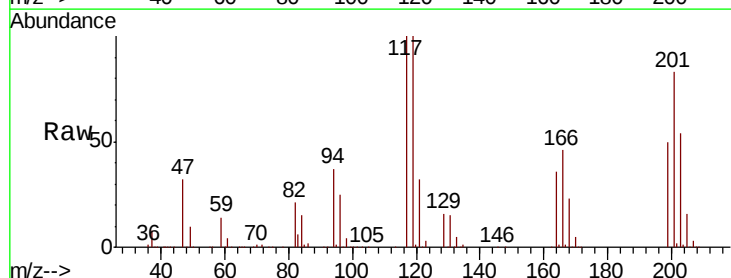
Acq: 7 Jun 2019 16:16

Tgt Ion: 117 Resp: 799766

Ion Ratio Lower Upper

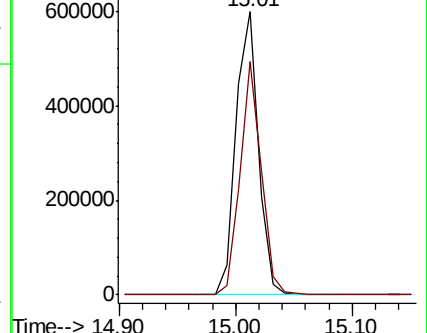
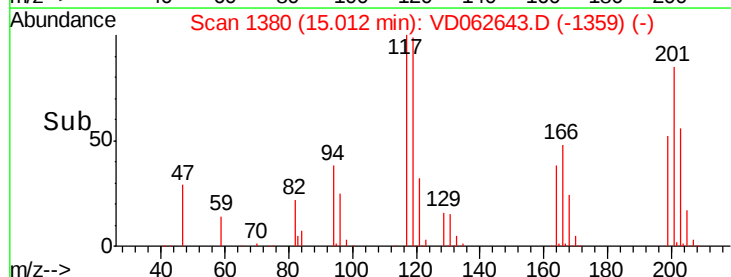
117 100

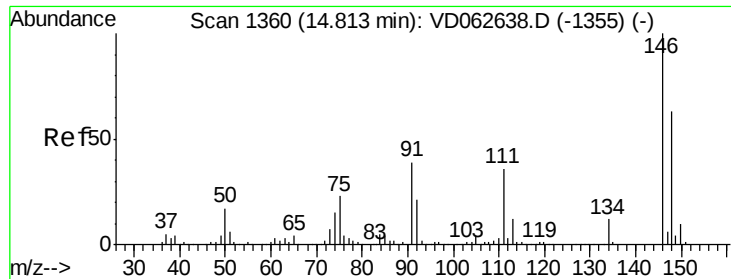
201 82.6 41.5 124.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

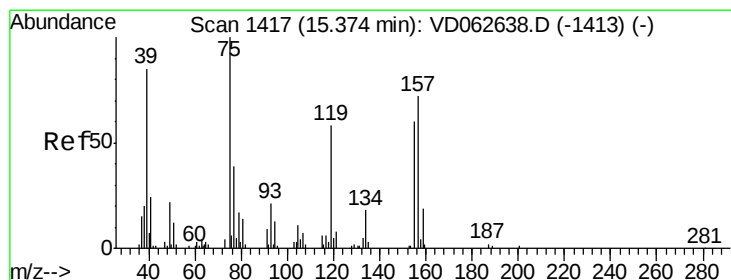
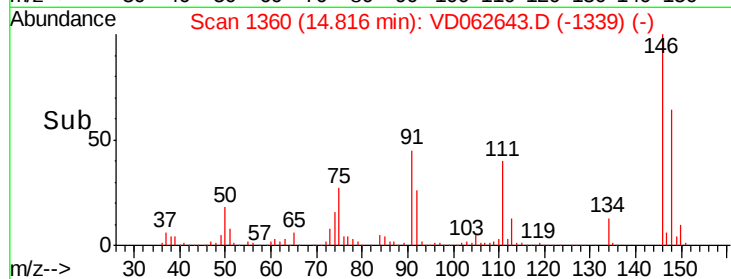
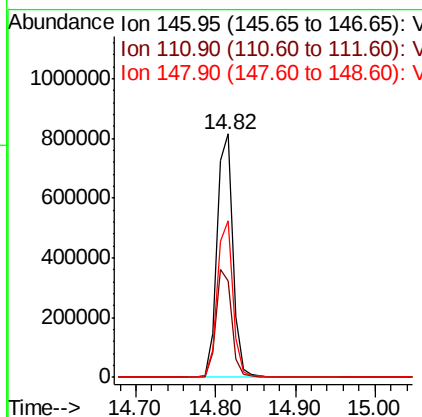
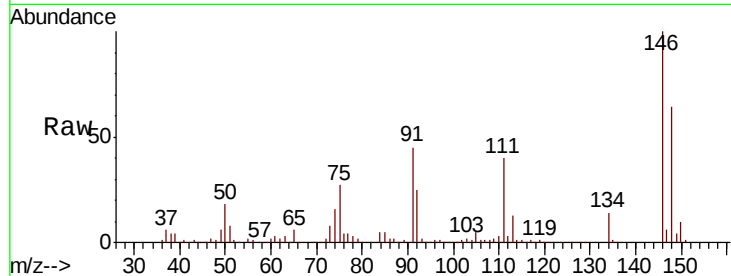




#91
 1,2-Dichlorobenzene
 Concen: 73.499 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

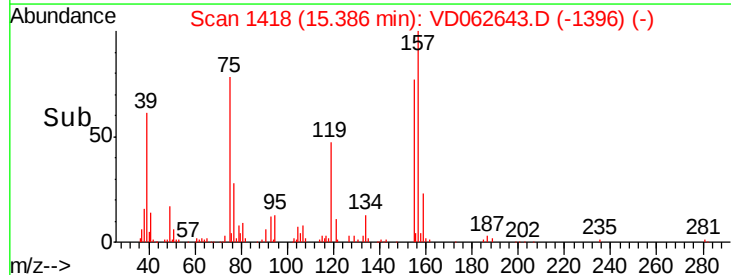
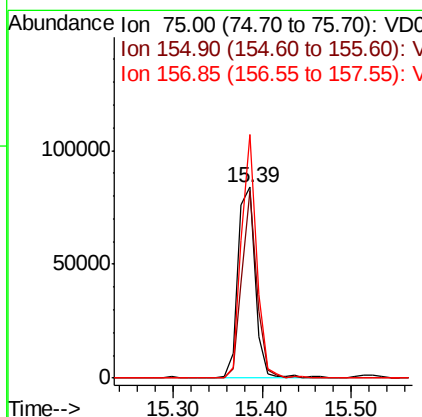
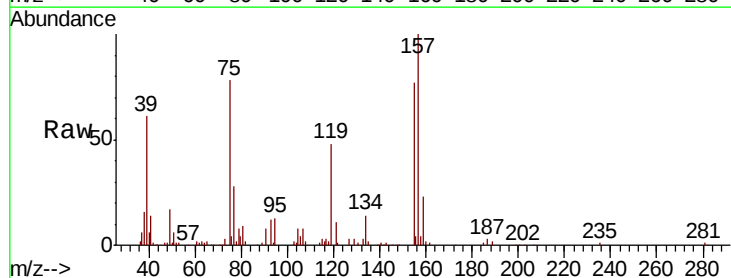
Instrument :
 MSVOA_D
 ClientSampled :

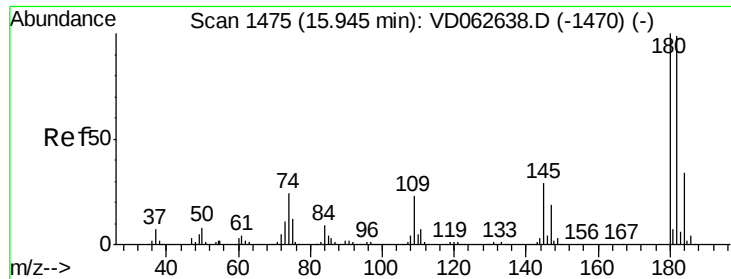
Tot Ion:146 Resp: 1150925
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.1 54.3
 148 64.3 31.4 94.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 85.028 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

Tgt Ion: 75 Resp: 116306
 Ion Ratio Lower Upper
 75 100
 155 97.9 30.1 90.5#
 157 127.7 35.9 107.8#

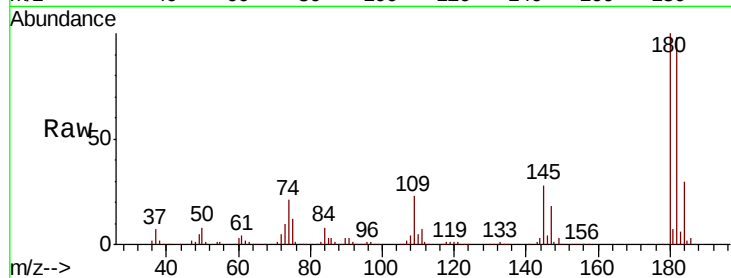




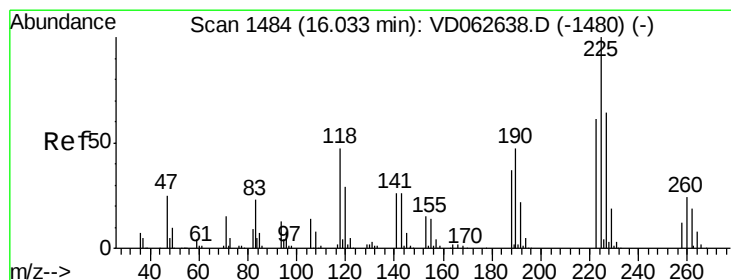
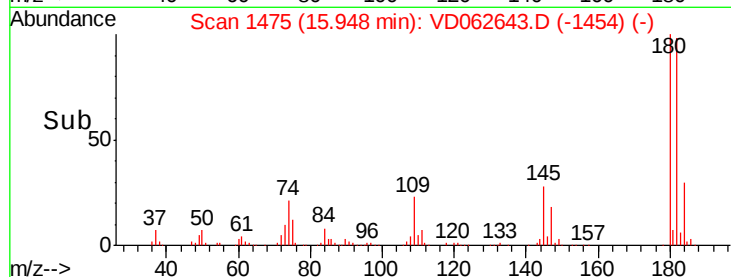
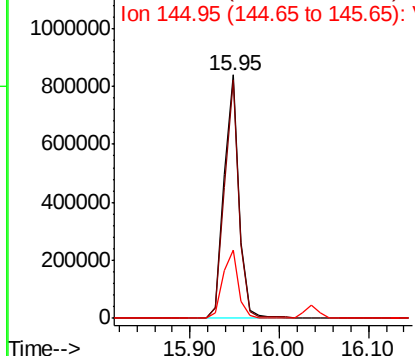
#93
 1,2,4-Trichlorobenzene
 Concen: 84.560 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 1004562
 Ion Ratio Lower Upper
 180 100
 182 98.0 49.4 148.2
 145 27.8 14.5 43.6

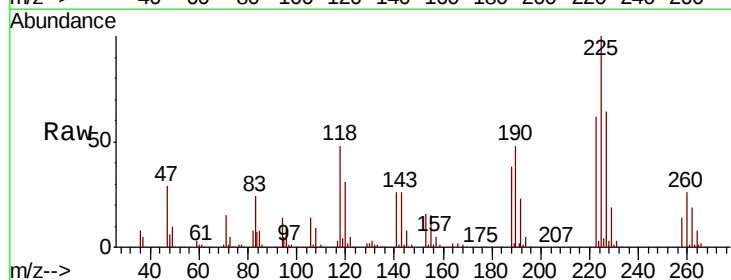


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

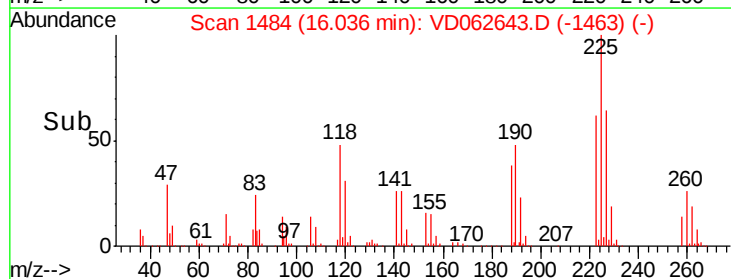
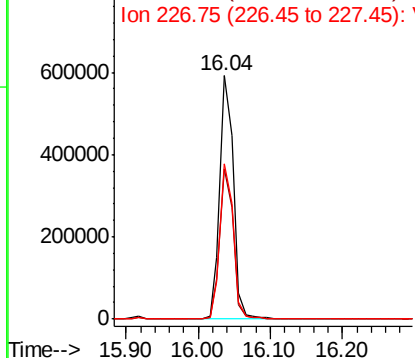


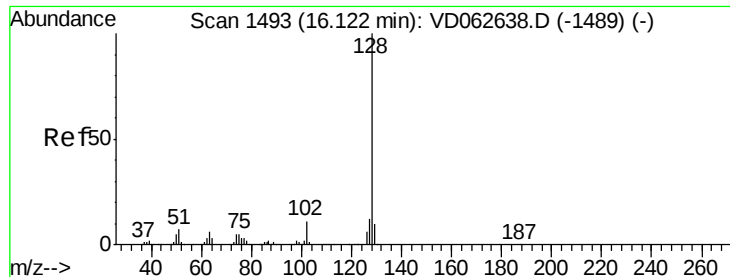
#94
 Hexachlorobutadiene
 Concen: 82.033 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062643.D
 Acq: 7 Jun 2019 16:16

Tgt Ion:225 Resp: 769521
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.3 91.0
 227 63.6 31.8 95.4



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

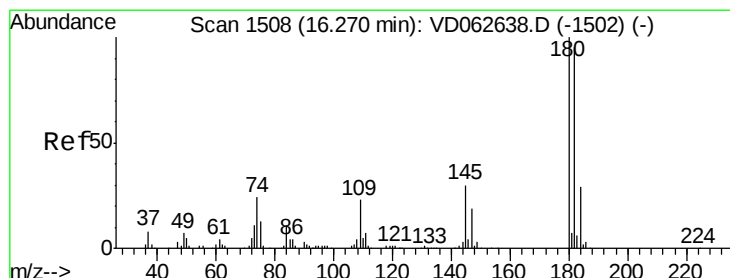
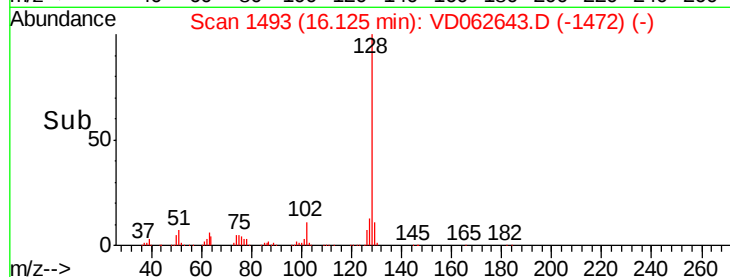
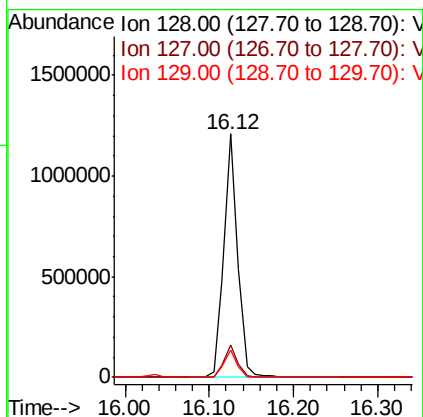
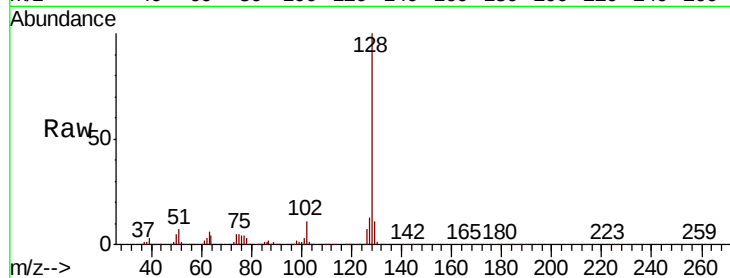




#95
Naphthalene
Concen: 84.211 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 1389860
Ion Ratio Lower Upper
128 100
127 13.4 9.7 14.5
129 11.1 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 80.761 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062643.D
Acq: 7 Jun 2019 16:16

Tgt Ion:180 Resp: 726894
Ion Ratio Lower Upper
180 100
182 98.4 47.7 143.1
145 31.4 15.0 45.0

