

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
 Data File : VD062502.D
 Acq On : 22 May 2019 15:00
 Operator : VA/AP
 Sample : VD0522SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

Quant Time: May 23 03:13:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	588167	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	810770	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.35	117	678019	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	365703	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	308921	49.07	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	6.90	113	374648	51.22	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	10.39	98	813437	50.82	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.64%	
62) 4-Bromofluorobenzene	13.55	95	353746	50.52	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	149969	24.653	ug/l	98
3) Chloromethane	1.74	50	101688	24.957	ug/l	97
4) Vinyl Chloride	1.84	62	110953	25.878	ug/l	99
5) Bromomethane	2.13	94	37602	20.324	ug/l	95
6) Chloroethane	2.24	64	51209	24.689	ug/l	100
7) Trichlorofluoromethane	2.50	101	194074	19.590	ug/l	99
8) Diethyl Ether	2.85	74	30361	22.719	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.12	101	116562	19.777	ug/l	93
10) Methyl Iodide	3.28	142	213058	25.926	ug/l	89
11) Tert butyl alcohol	4.07	59	35357	121.665	ug/l	100
12) 1,1-Dichloroethene	3.10	96	89931	20.646	ug/l	85
13) Acrolein	3.14	56	1577	6.534	ug/l	85
14) Allyl chloride	3.60	41	143507	22.344	ug/l #	82
15) Acrylonitrile	4.17	53	76051	114.205	ug/l #	90
16) Acetone	3.20	43	124256	110.134	ug/l #	82
17) Carbon Disulfide	3.35	76	304658	23.095	ug/l	100
18) Methyl Acetate	3.62	43	41564	21.350	ug/l #	89
19) Methyl tert-butyl Ether	4.22	73	221742	22.041	ug/l #	82
20) Methylene Chloride	3.79	84	110667	19.128	ug/l	95
21) trans-1,2-Dichloroethene	4.19	96	105881	20.764	ug/l	86
22) Diisopropyl ether	5.09	45	321613	23.526	ug/l	94
23) Vinyl Acetate	5.02	43	940775	113.889	ug/l	97
24) 1,1-Dichloroethane	4.94	63	194757	22.121	ug/l	99
25) 2-Butanone	6.05	43	131842	111.729	ug/l	98
26) 2,2-Dichloropropane	6.00	77	199371	21.007	ug/l	98
27) cis-1,2-Dichloroethene	6.01	96	114015	20.736	ug/l	91
28) Bromochloromethane	6.41	49	64336	20.360	ug/l	99
29) Tetrahydrofuran	6.44	42	64866	115.101	ug/l	98
30) Chloroform	6.64	83	239652	21.351	ug/l	98
31) Cyclohexane	6.93	56	172178	28.964	ug/l #	87
32) 1,1,1-Trichloroethane	6.84	97	227770	20.099	ug/l	91
36) 1,1-Dichloropropene	7.12	75	164458	21.216	ug/l	98
37) Ethyl Acetate	6.16	43	62110	20.626	ug/l #	92
38) Carbon Tetrachloride	7.09	117	239735	20.810	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
 Data File : VD062502.D
 Acq On : 22 May 2019 15:00
 Operator : VA/AP
 Sample : VD0522SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

Quant Time: May 23 03:13:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	179026	28.001	ug/l	97
40) Benzene	7.43	78	319356	21.004	ug/l	97
41) Methacrylonitrile	6.42	41	84631	22.377	ug/l #	82
42) 1,2-Dichloroethane	7.55	62	172800	21.462	ug/l	92
43) Isopropyl Acetate	9.23	43	87156	21.817	ug/l	97
44) Trichloroethene	8.52	130	137752	22.627	ug/l	97
45) 1,2-Dichloropropane	8.92	63	79282	21.397	ug/l	94
46) Dibromomethane	9.04	93	65113	19.386	ug/l	97
47) Bromodichloromethane	9.35	83	187501	21.944	ug/l	95
48) Methyl methacrylate	9.10	41	61233	22.777	ug/l #	81
49) 1,4-Dioxane	9.06	88	10368	429.967	ug/l #	75
51) 4-Methyl-2-Pentanone	10.28	43	298044	112.935	ug/l	92
52) Toluene	10.49	92	198228	19.044	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	144095	20.256	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	172306	23.213	ug/l #	85
55) 1,1,2-Trichloroethane	11.17	97	80154	22.721	ug/l	94
56) Ethyl methacrylate	11.03	69	97968	25.977	ug/l #	82
57) 1,3-Dichloropropane	11.39	76	113731	21.022	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.84	63	208473	107.653	ug/l	98
59) 2-Hexanone	11.52	43	239256	124.740	ug/l	98
60) Dibromochloromethane	11.67	129	139882	20.644	ug/l	98
61) 1,2-Dibromoethane	11.79	107	92408	21.255	ug/l	100
64) Tetrachloroethene	11.23	164	116853	20.583	ug/l	96
65) Chlorobenzene	12.38	112	281025	21.553	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	125356	20.828	ug/l	93
67) Ethyl Benzene	12.51	91	1032643	45.981	ug/l	97
68) m/p-Xylenes	12.66	106	688037	85.347	ug/l	89
69) o-Xylene	13.03	106	164080	21.571	ug/l	79
70) Styrene	13.06	104	279887	21.630	ug/l	95
71) Bromoform	13.22	173	74795	18.713	ug/l #	98
73) Isopropylbenzene	13.39	105	641110	27.812	ug/l	96
74) N-amyl acetate	13.25	43	123550	21.701	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.68	83	85867	20.648	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	85519	19.853	ug/l	98
77) Bromobenzene	13.65	156	141107	21.579	ug/l	85
78) n-propylbenzene	13.76	91	700557	26.237	ug/l	98
79) 2-Chlorotoluene	13.83	91	359648	22.195	ug/l	94
80) 1,3,5-Trimethylbenzene	13.92	105	523194	26.213	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	26722	21.996	ug/l #	79
82) 4-Chlorotoluene	13.94	91	402640	21.576	ug/l	92
83) tert-Butylbenzene	14.18	119	424090	19.155	ug/l	92
84) 1,2,4-Trimethylbenzene	14.22	105	972850	47.568	ug/l	92
85) sec-Butylbenzene	14.35	105	519397	22.499	ug/l	97
86) p-Isopropyltoluene	14.48	119	482523	23.065	ug/l	93
87) 1,3-Dichlorobenzene	14.44	146	243711	21.104	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	250568	22.486	ug/l	96
89) n-Butylbenzene	14.79	91	387418	19.189	ug/l	94
90) Hexachloroethane	15.00	117	108555	18.776	ug/l	71
91) 1,2-Dichlorobenzene	14.80	146	192618	19.616	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	13499	17.101	ug/l	61

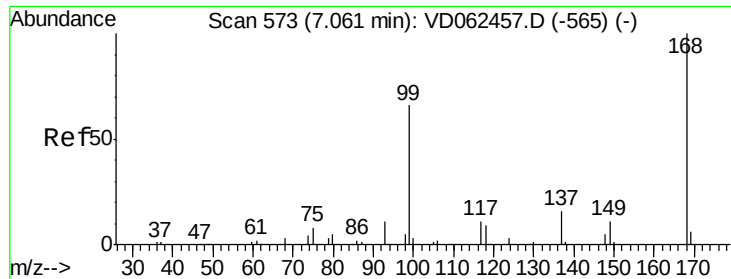
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062502.D
Acq On : 22 May 2019 15:00
Operator : VA/AP
Sample : VD0522SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

Quant Time: May 23 03:13:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	123158	15.929	ug/l	96
94) Hexachlorobutadiene	16.03	225	88610	15.521	ug/l	95
95) Naphthalene	16.11	128	267981	25.366	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	98933	15.608	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

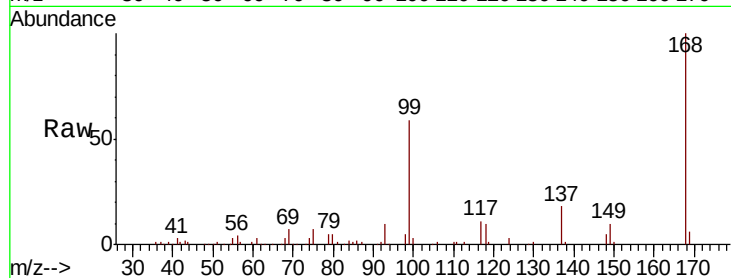
VD0522SBS01

Tot Ion:168 Resp: 588167

Ion Ratio Lower Upper

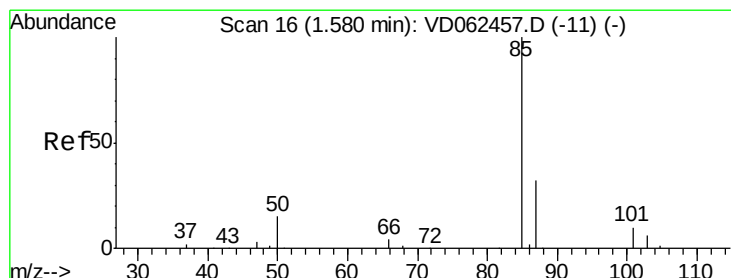
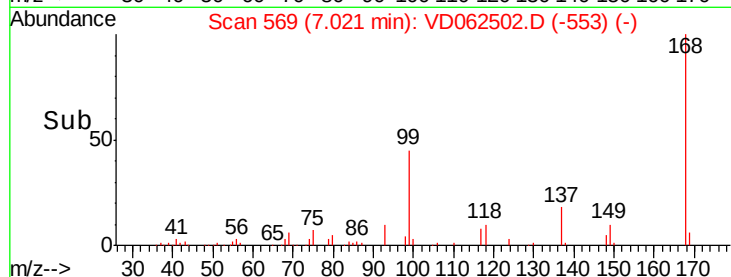
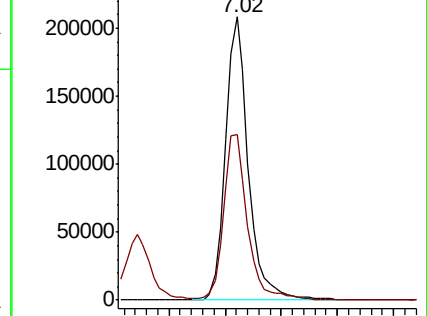
168 100

99 58.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#2

Dichlorodifluoromethane

Concen: 24.653 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD062502.D

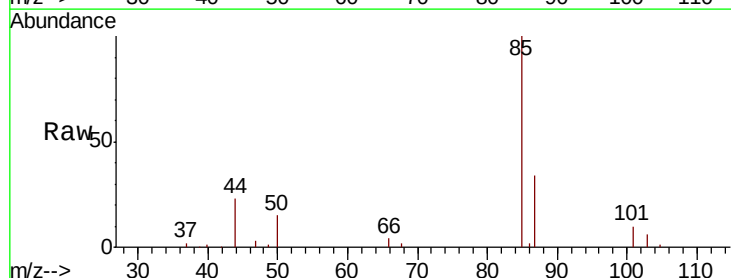
Acq: 22 May 2019 15:00

Tgt Ion: 85 Resp: 149969

Ion Ratio Lower Upper

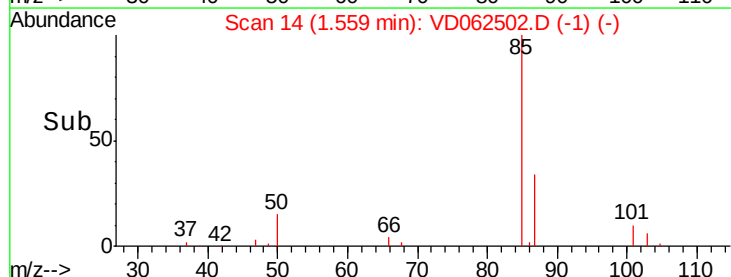
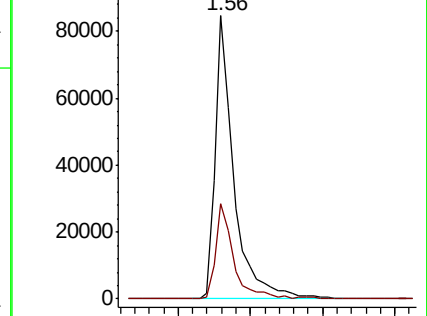
85 100

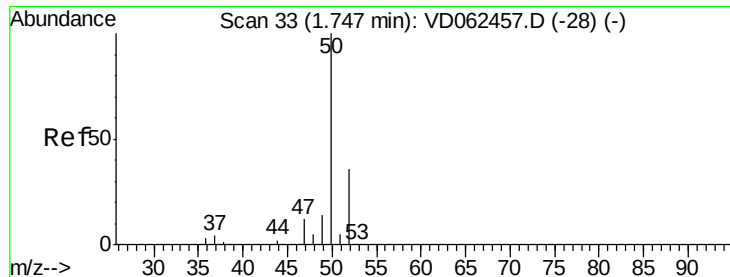
87 33.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V





#3

Chloromethane

Concen: 24.957 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

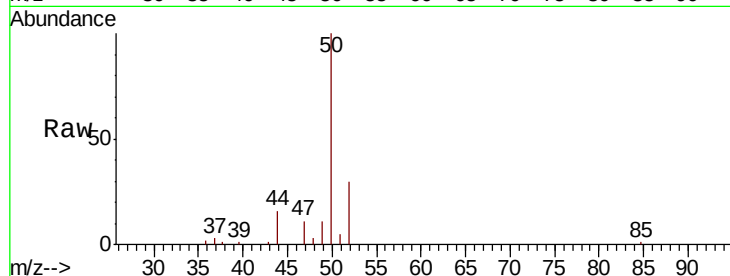
VD0522SBS01

Tot Ion: 50 Resp: 101688

Ion Ratio Lower Upper

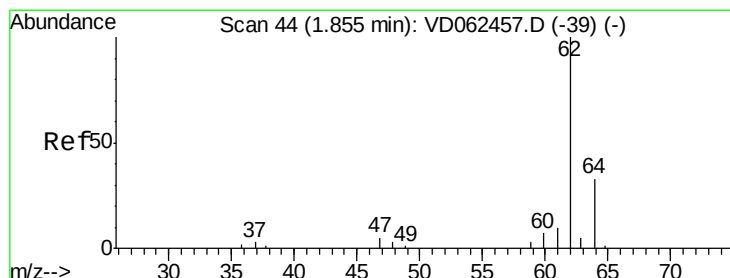
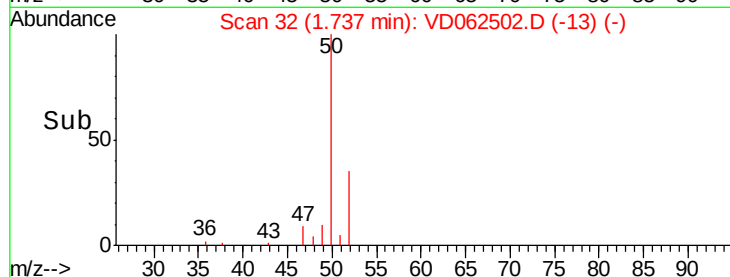
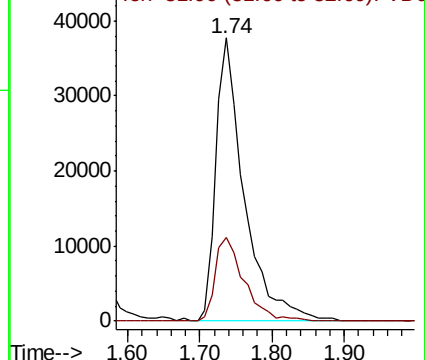
50 100

52 29.8 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 25.878 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD062502.D

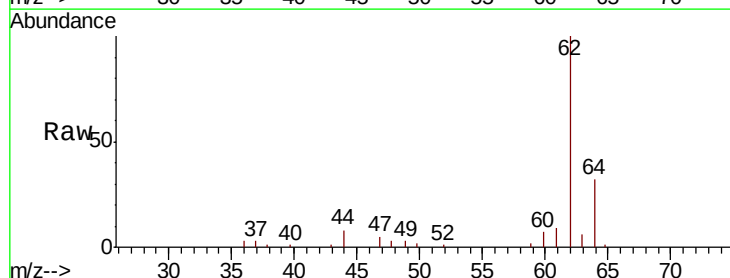
Acq: 22 May 2019 15:00

Tgt Ion: 62 Resp: 110953

Ion Ratio Lower Upper

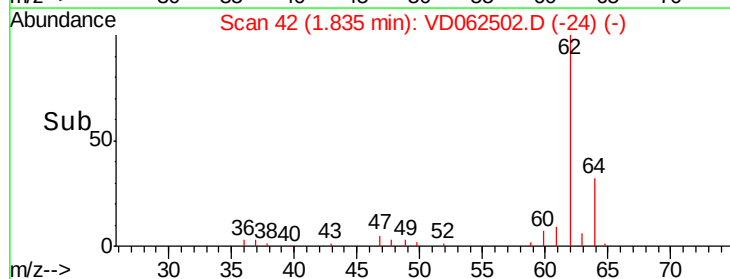
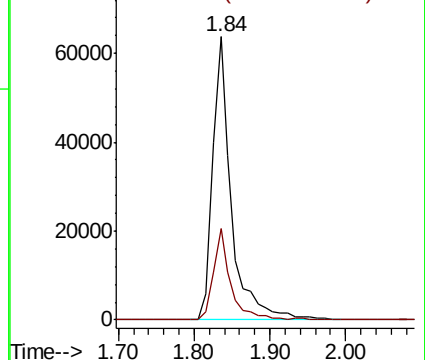
62 100

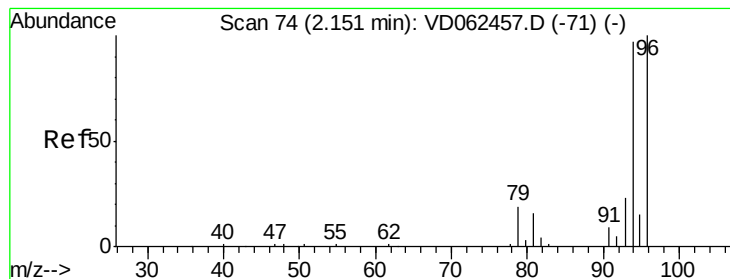
64 32.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.324 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

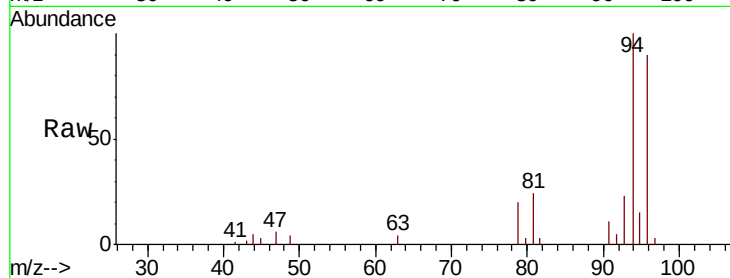
Tot Ion: 94 Resp: 37602

Ion Ratio Lower Upper

94 100

96 89.8 76.6 115.0

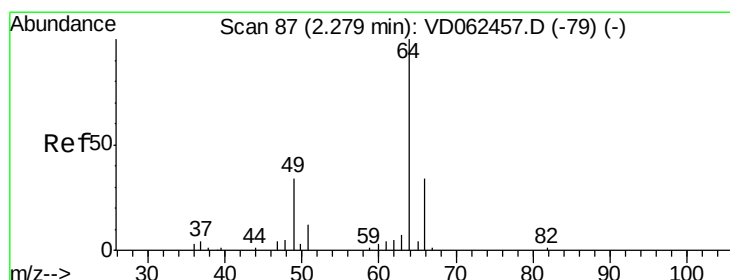
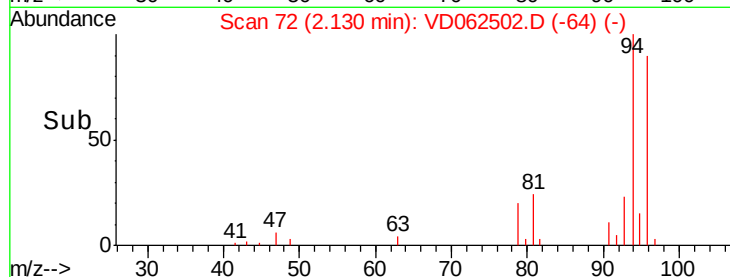
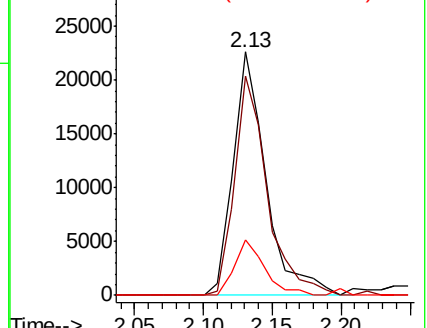
93 22.9 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 24.689 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.04 min

Lab File: VD062502.D

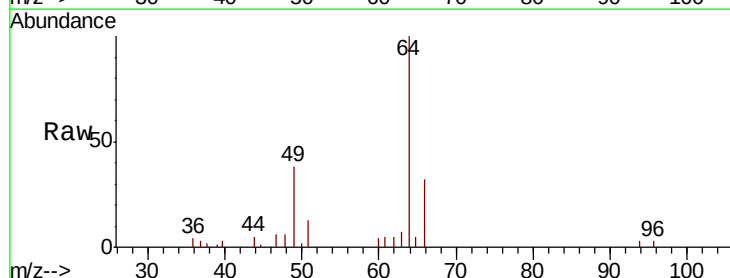
Acq: 22 May 2019 15:00

Tgt Ion: 64 Resp: 51209

Ion Ratio Lower Upper

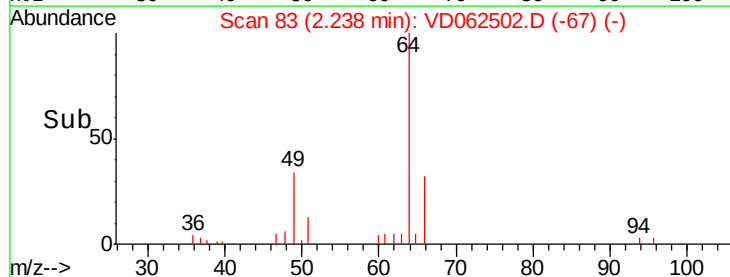
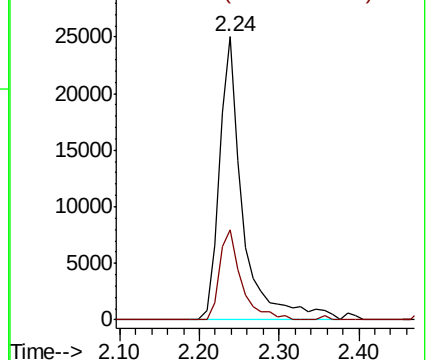
64 100

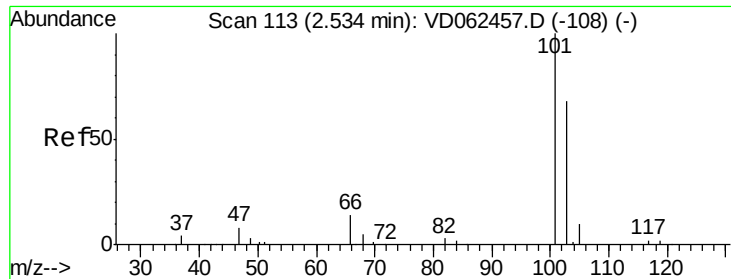
66 31.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



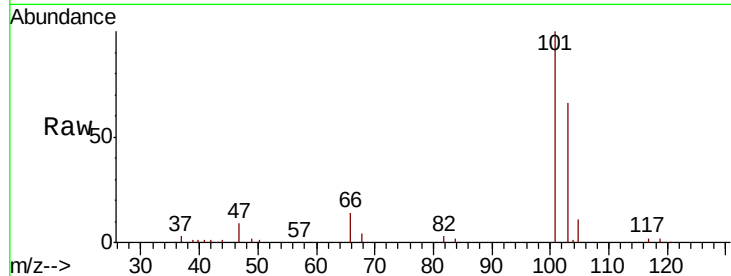


#7

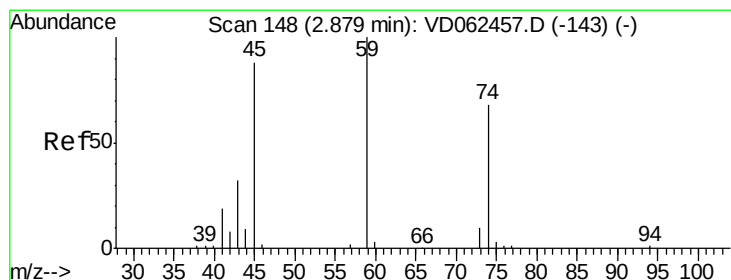
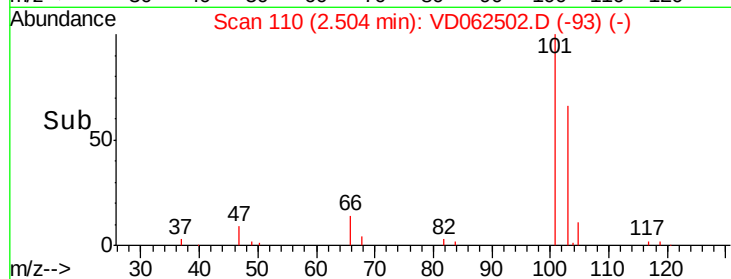
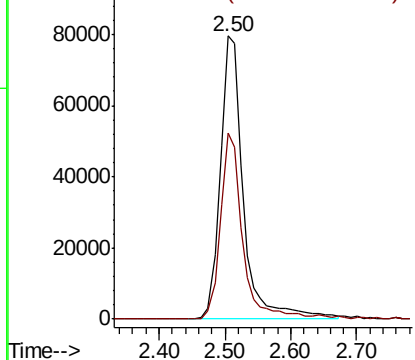
Trichlorofluoromethane
Concen: 19.590 ug/l
RT: 2.50 min Scan# 110
Delta R.T. -0.03 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

Tot Ion:101 Resp: 194074
Ion Ratio Lower Upper
101 100
103 65.9 53.6 80.4



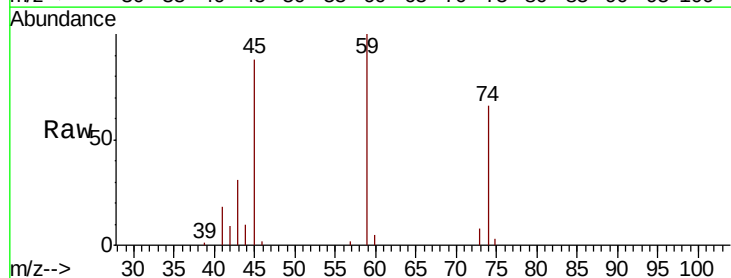
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



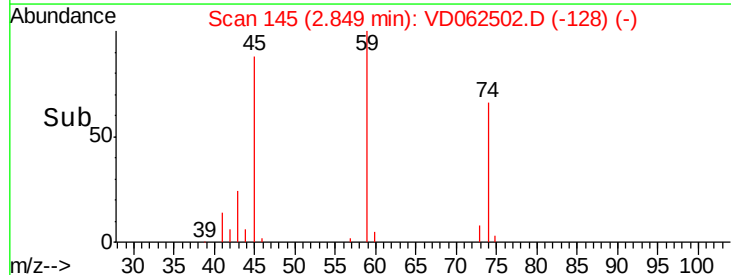
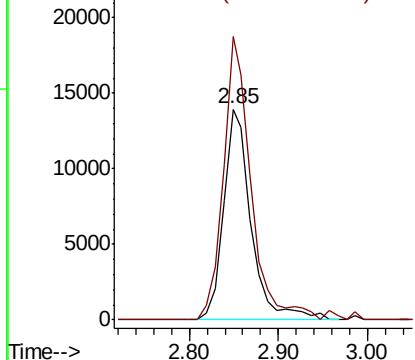
#8

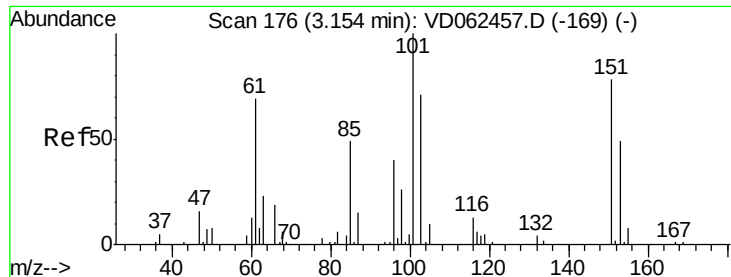
Diethyl Ether
Concen: 22.719 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.03 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion: 74 Resp: 30361
Ion Ratio Lower Upper
74 100
45 134.1 56.9 170.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.777 ug/l

RT: 3.12 min Scan# 173

Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

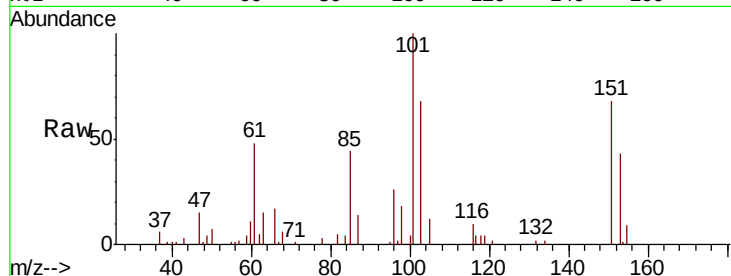
Tot Ion:101 Resp: 116562

Ion Ratio Lower Upper

101 100

85 43.5 32.4 48.6

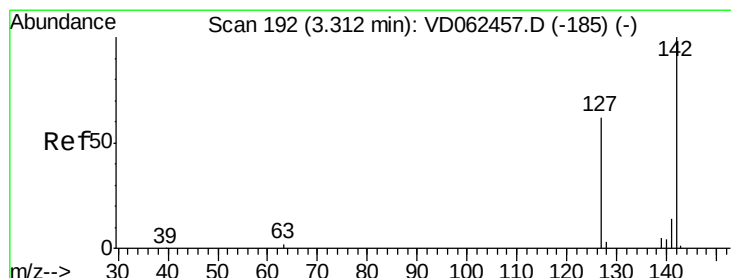
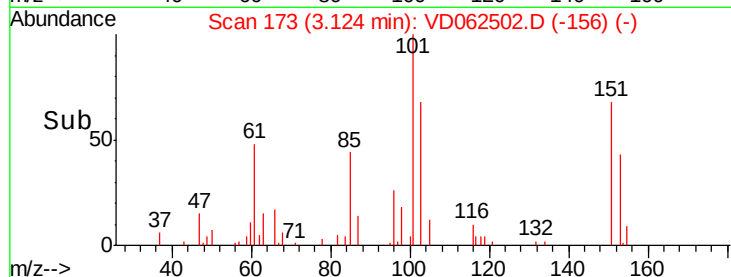
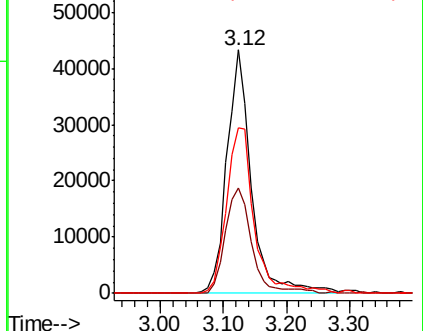
151 67.8 59.4 89.0



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: 25.926 ug/l

RT: 3.28 min Scan# 189

Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

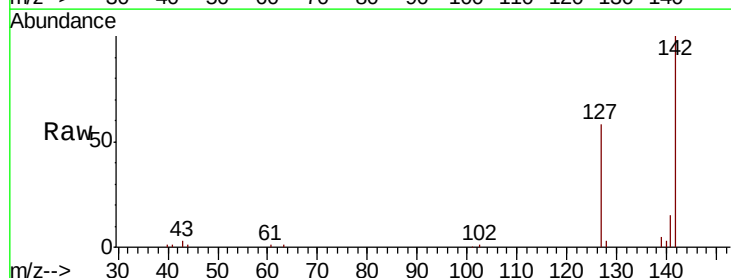
Tgt Ion:142 Resp: 213058

Ion Ratio Lower Upper

142 100

127 57.9 38.8 58.2

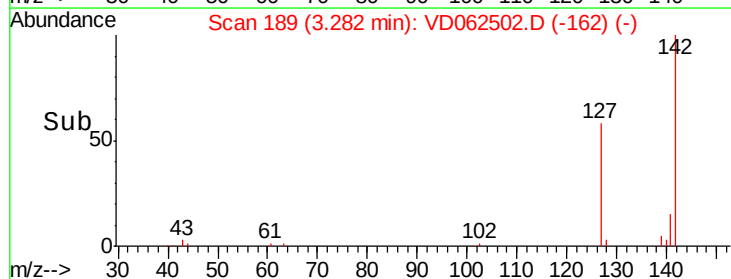
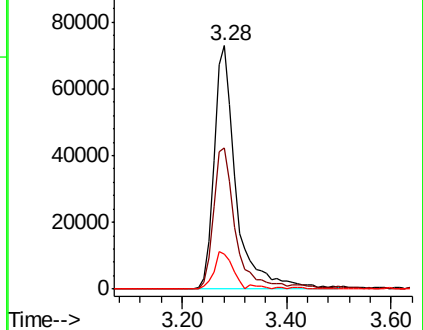
141 14.6 11.4 17.0

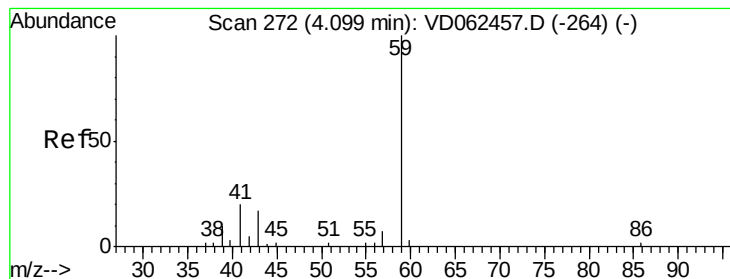


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 121.665 ug/l

RT: 4.07 min Scan# 269

Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

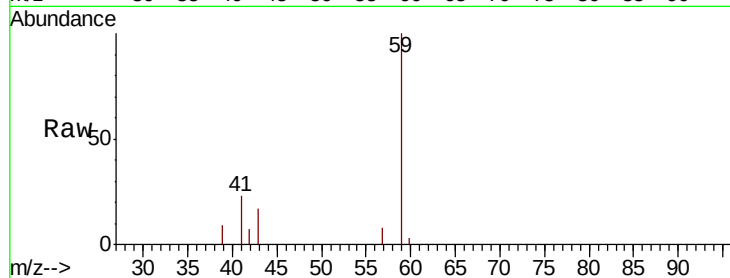
VD0522SBSD01

Tot Ion: 59 Resp: 35357

Ion Ratio Lower Upper

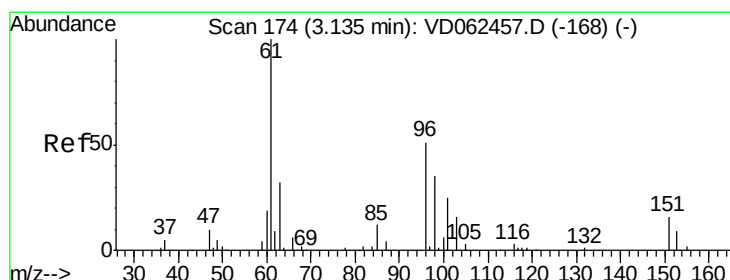
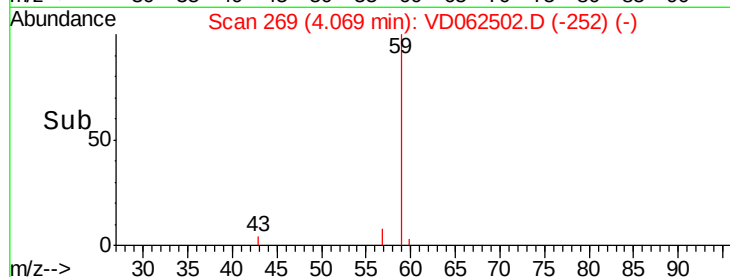
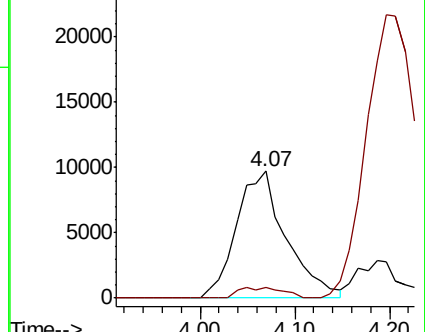
59 100

57 8.5 6.9 10.3



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 20.646 ug/l

RT: 3.10 min Scan# 171

Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

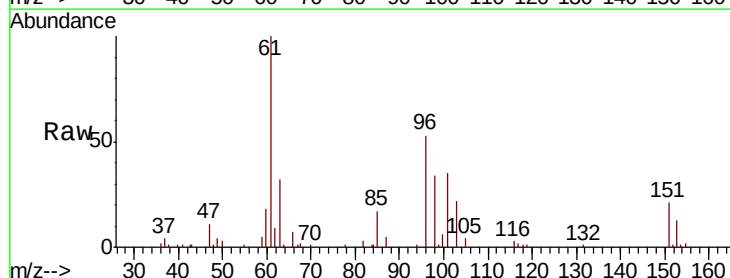
Tgt Ion: 96 Resp: 89931

Ion Ratio Lower Upper

96 100

61 189.6 129.8 194.8

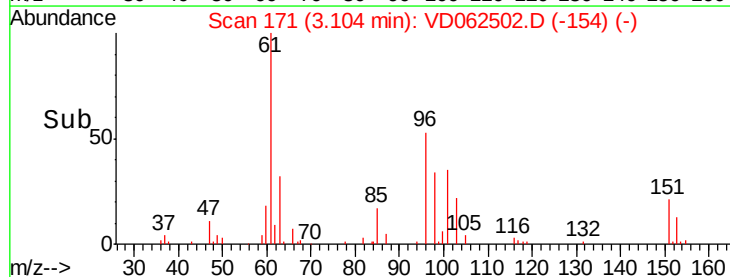
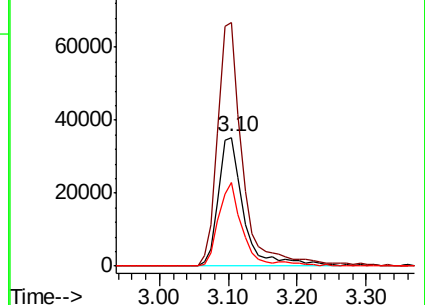
98 65.3 51.2 76.8

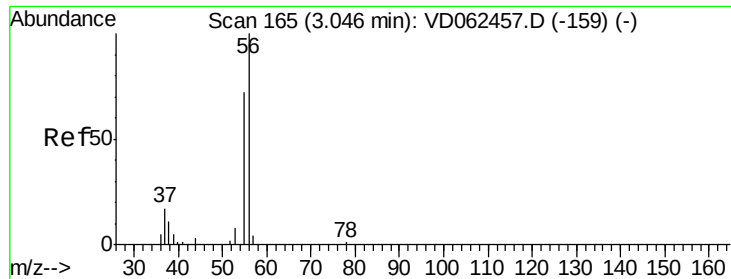


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

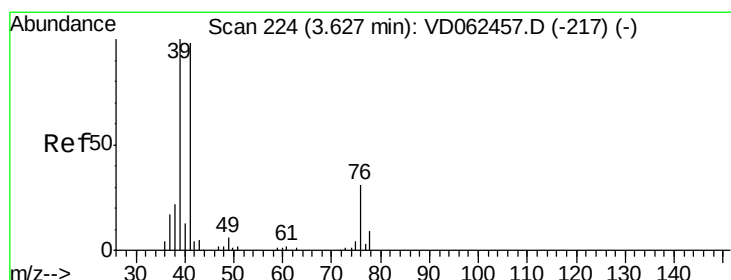
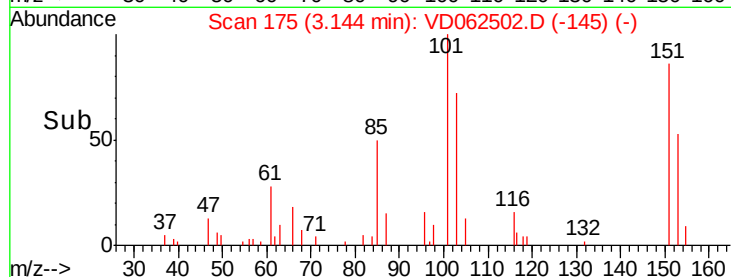
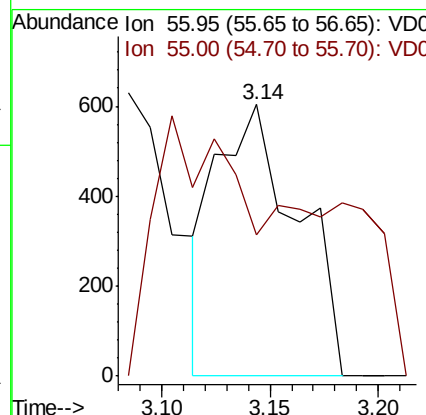
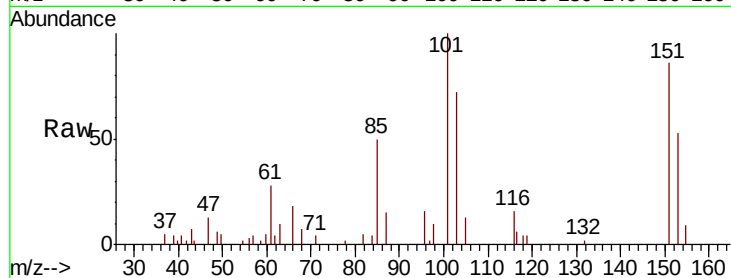




#13
Acrolein
Concen: 6.534 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.10 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

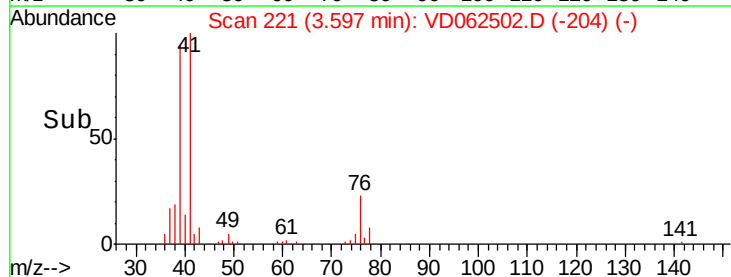
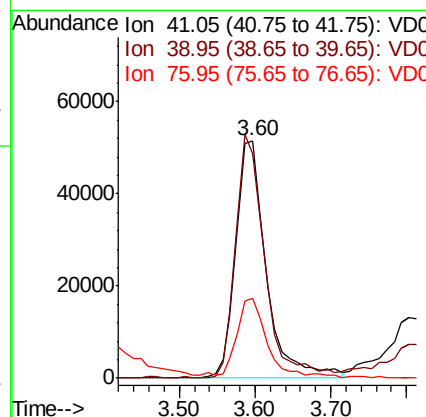
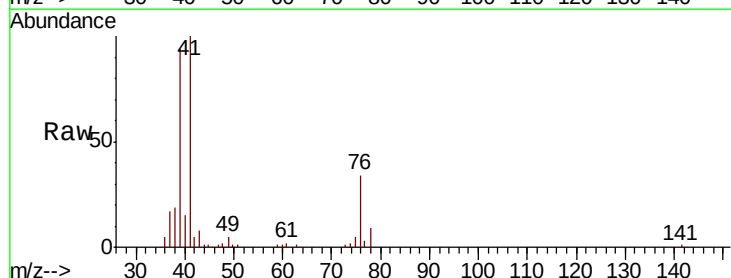
Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

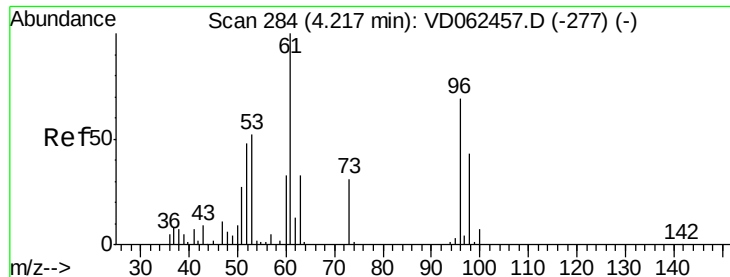
Tot Ion: 56 Resp: 1577
Ion Ratio Lower Upper
56 100
55 52.2 51.4 77.2



#14
Allyl chloride
Concen: 22.344 ug/l
RT: 3.60 min Scan# 221
Delta R.T. -0.03 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion: 41 Resp: 143507
Ion Ratio Lower Upper
41 100
39 94.2 60.5 90.7#
76 33.6 31.8 47.8





#15

Acrylonitrile

Concen: 114.205 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.05 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

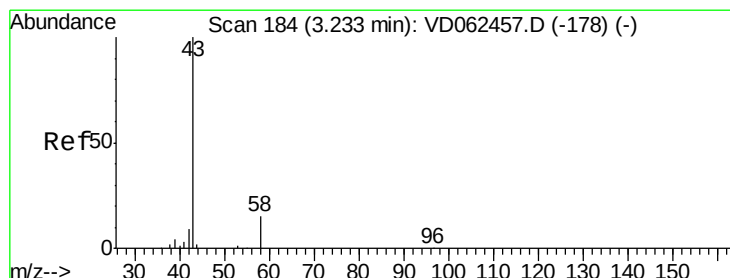
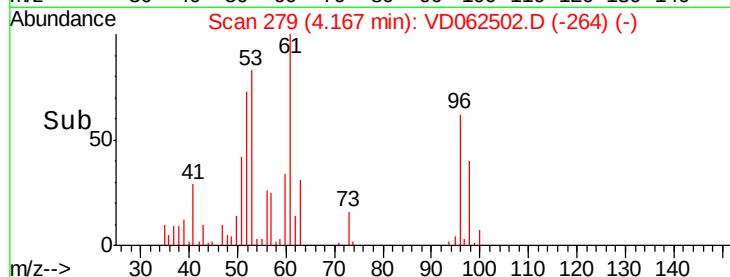
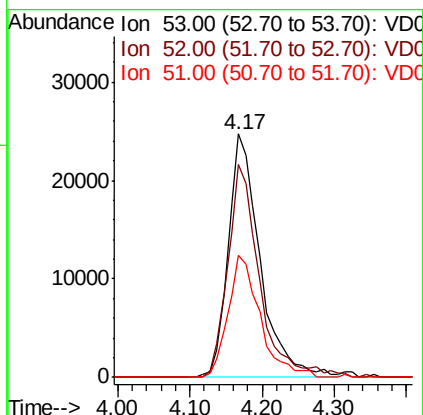
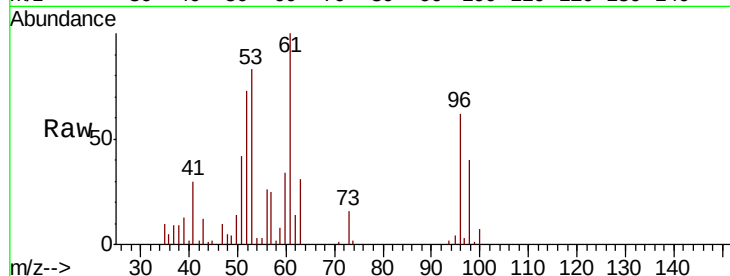
Tot Ion: 53 Resp: 76051

Ion Ratio Lower Upper

53 100

52 87.4 65.0 97.4

51 50.0 32.6 48.8#



#16

Acetone

Concen: 110.134 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD062502.D

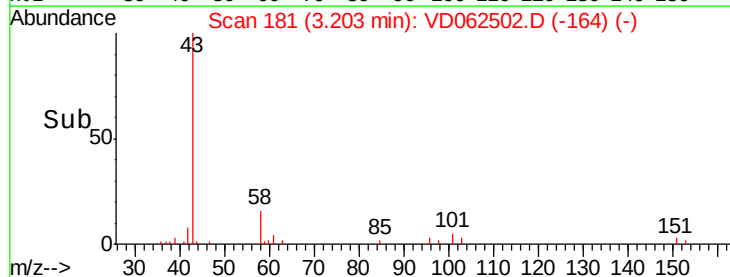
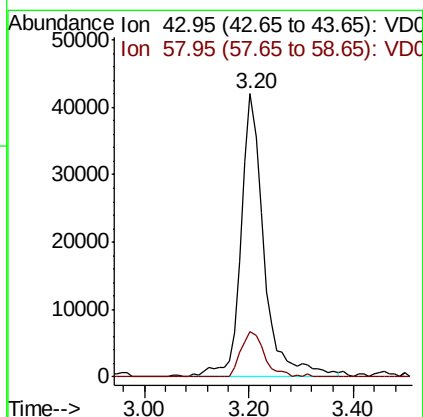
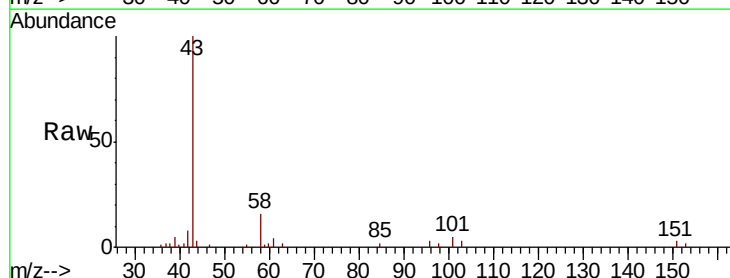
Acq: 22 May 2019 15:00

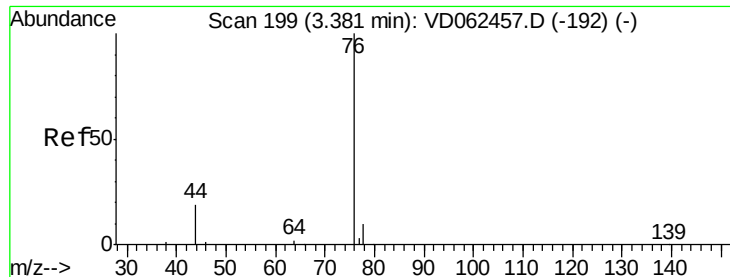
Tgt Ion: 43 Resp: 124256

Ion Ratio Lower Upper

43 100

58 15.9 19.9 29.9#





#17

Carbon Disulfide

Concen: 23.095 ug/l

RT: 3.35 min Scan# 196

Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

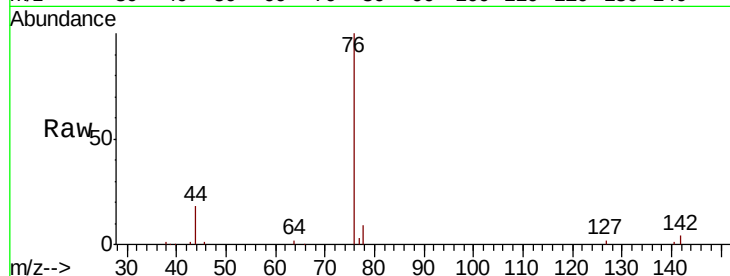
VD0522SBSD01

Tot Ion: 76 Resp: 304658

Ion Ratio Lower Upper

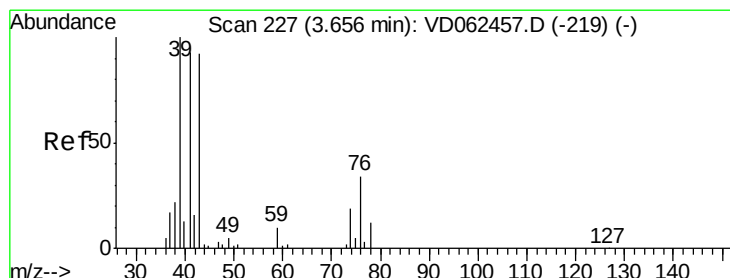
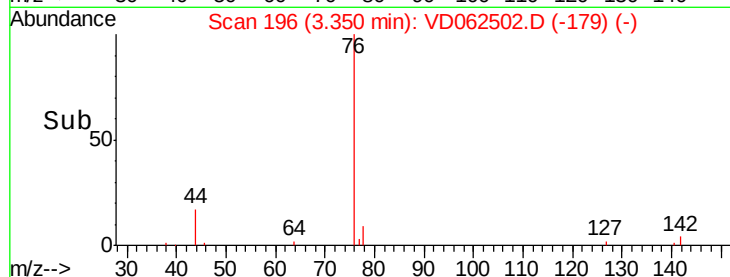
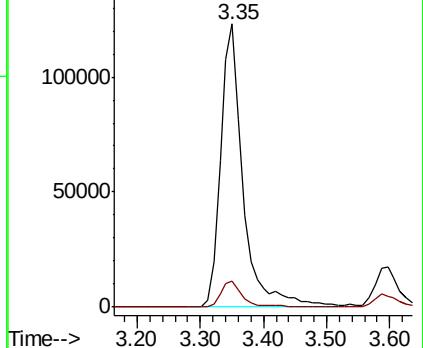
76 100

78 9.1 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 21.350 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.04 min

Lab File: VD062502.D

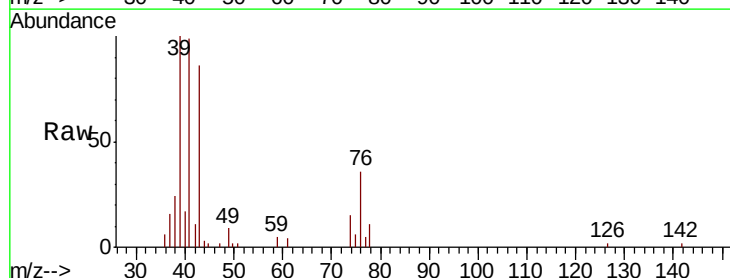
Acq: 22 May 2019 15:00

Tgt Ion: 43 Resp: 41564

Ion Ratio Lower Upper

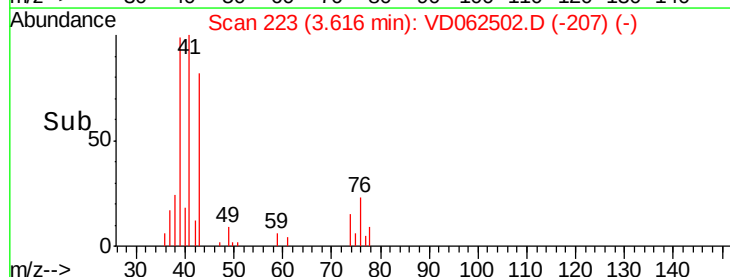
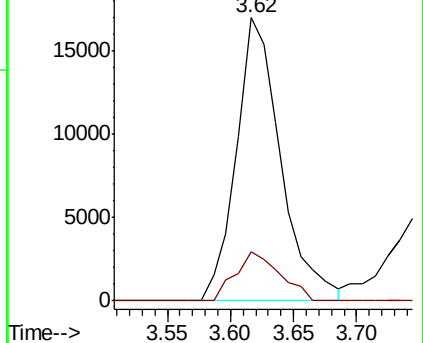
43 100

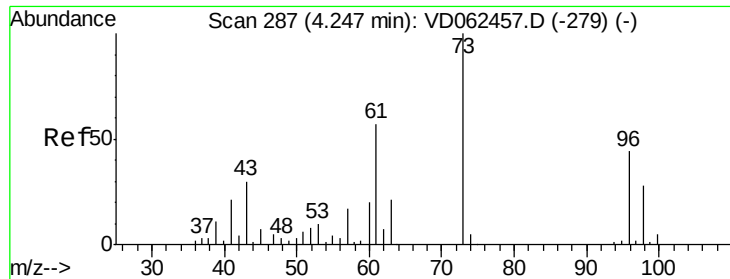
74 17.4 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

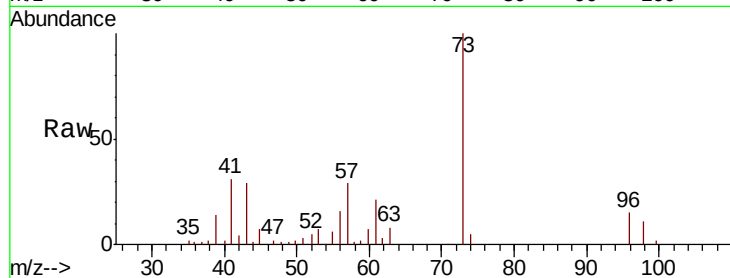




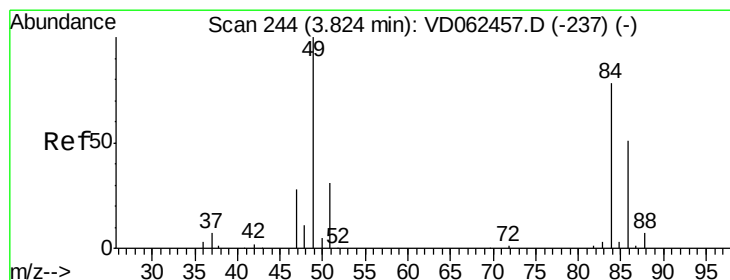
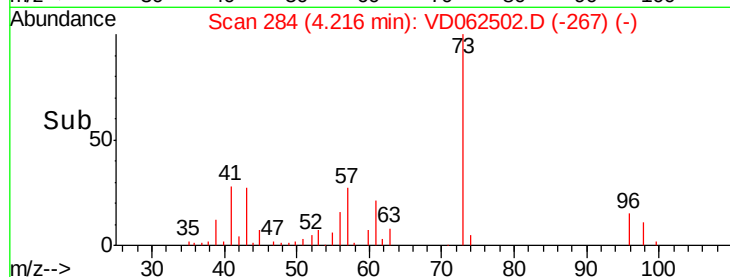
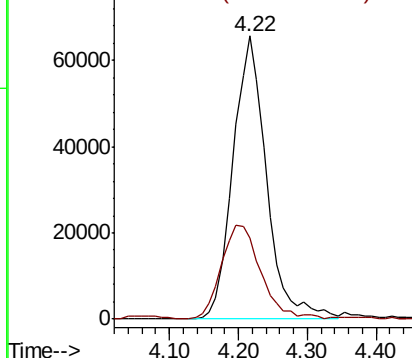
#19
Methyl tert-butyl Ether
Concen: 22.041 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

Tot Ion: 73 Resp: 221742
Ion Ratio Lower Upper
73 100
57 28.8 16.3 24.5#

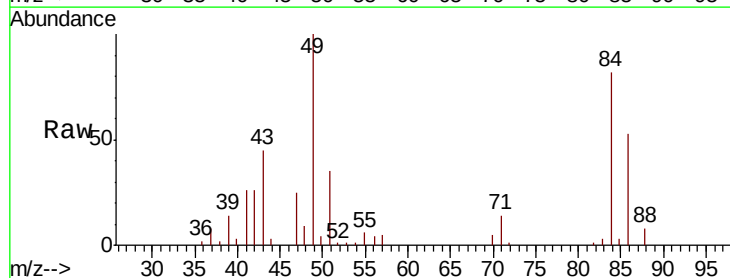


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

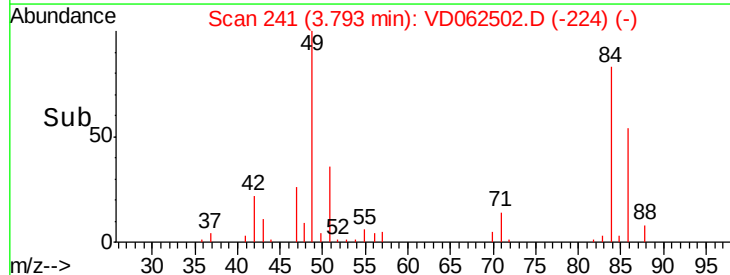
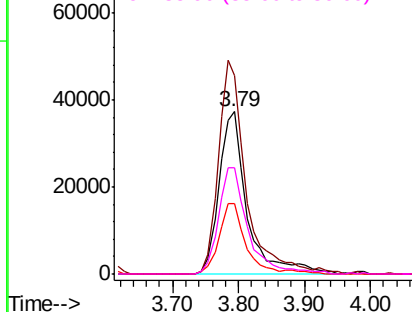


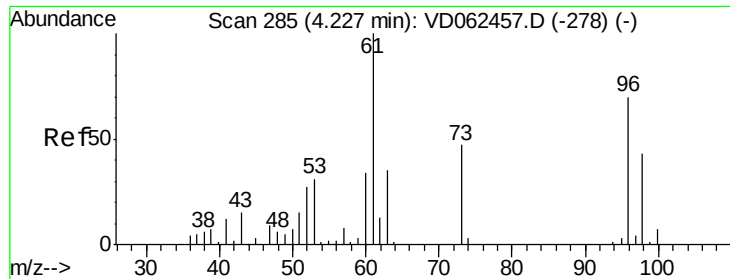
#20
Methylene Chloride
Concen: 19.128 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion: 84 Resp: 110667
Ion Ratio Lower Upper
84 100
49 122.2 94.0 141.0
51 43.1 29.0 43.4
86 65.1 49.8 74.6



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





#21

trans-1,2-Dichloroethene

Concen: 20.764 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.04 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

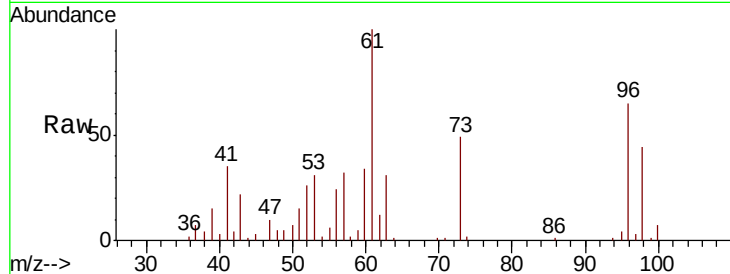
Tot Ion: 96 Resp: 105881

Ion Ratio Lower Upper

96 100

61 153.5 104.4 156.6

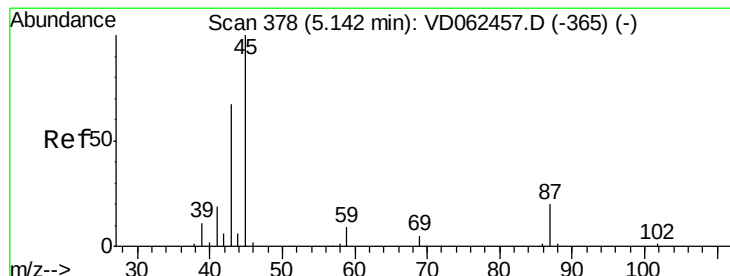
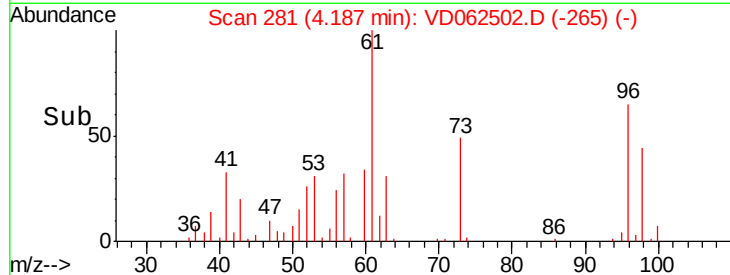
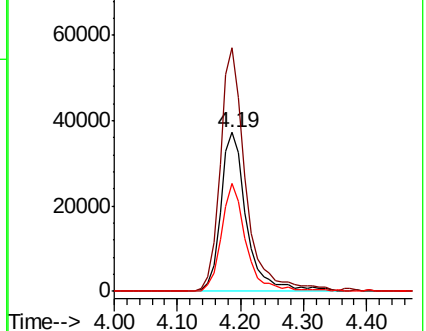
98 67.8 51.8 77.8



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: 23.526 ug/l

RT: 5.09 min Scan# 373

Delta R.T. -0.05 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Tgt Ion: 45 Resp: 321613

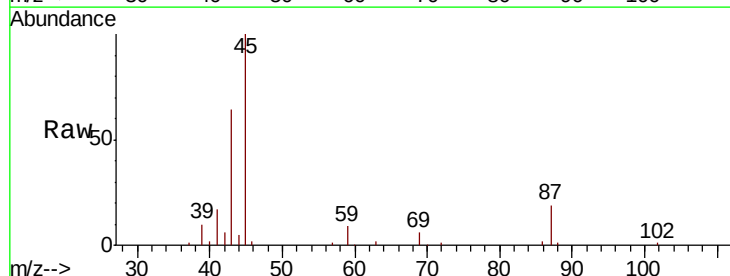
Ion Ratio Lower Upper

45 100

43 64.4 46.2 69.2

87 19.3 15.9 23.9

59 9.2 7.9 11.9

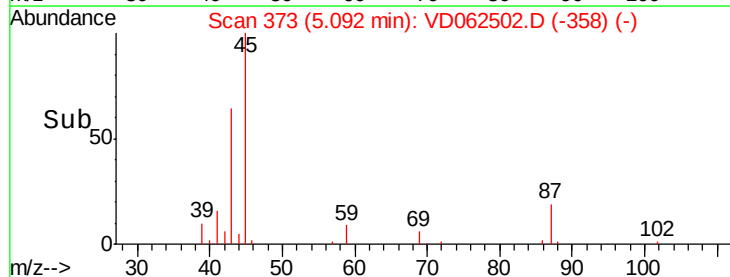
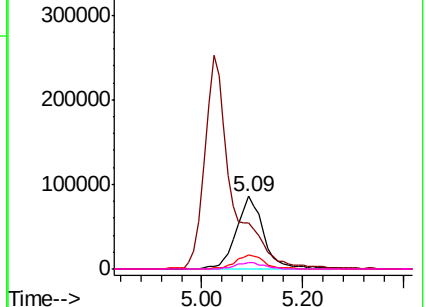


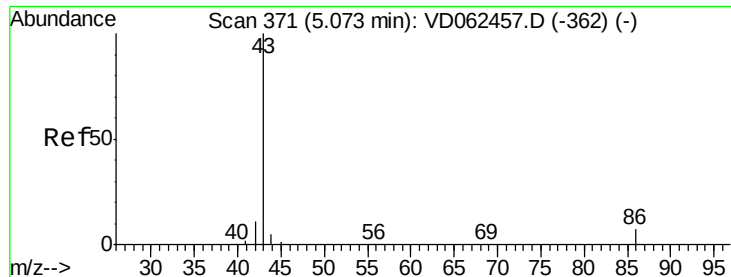
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 113.889 ug/l

RT: 5.02 min Scan# 366

Delta R.T. -0.05 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

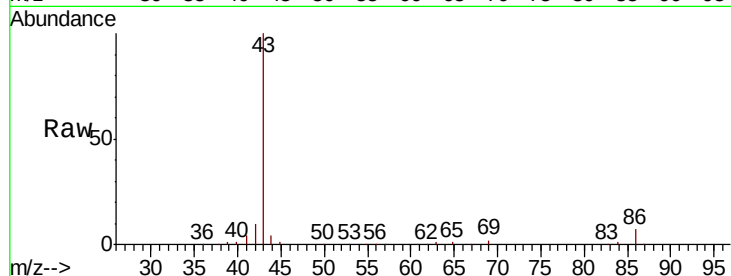
VD0522SBS01

Tot Ion: 43 Resp: 940775

Ion Ratio Lower Upper

43 100

86 6.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD062457.D (-362) (-)

Ion 86.00 (85.70 to 86.70): VD062457.D (-362) (-)

5.02

250000

200000

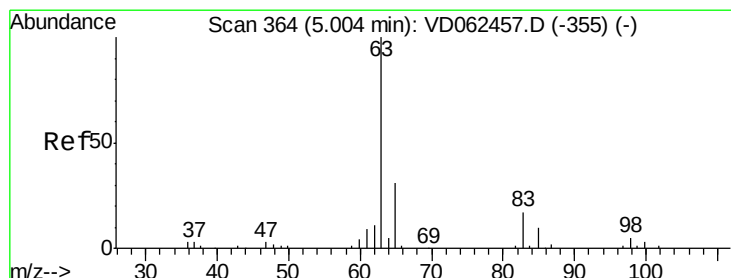
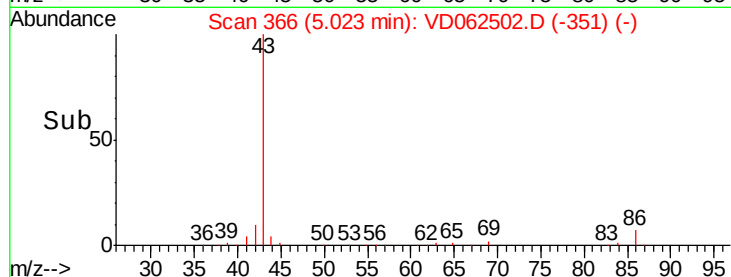
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.121 ug/l

RT: 4.94 min Scan# 358

Delta R.T. -0.06 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

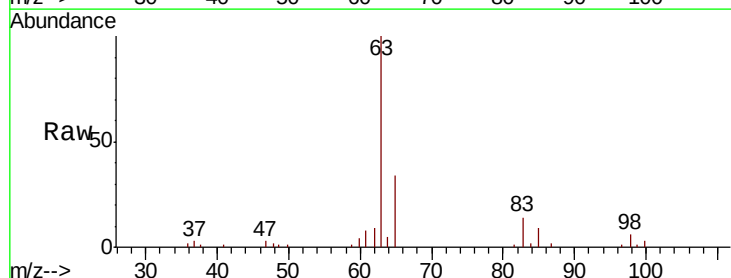
Tgt Ion: 63 Resp: 194757

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 3.3 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD062457.D (-355) (-)

Ion 97.95 (97.65 to 98.65): VD062457.D (-355) (-)

Ion 99.95 (99.65 to 100.65): VD062457.D (-355) (-)

4.94

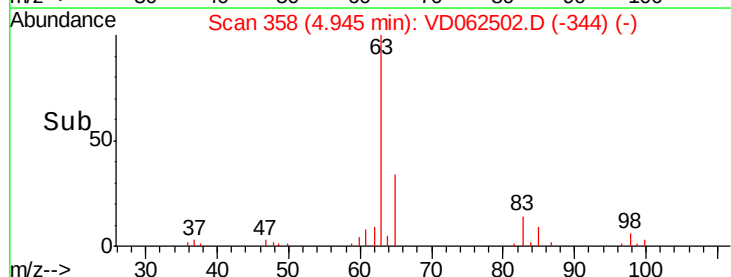
60000

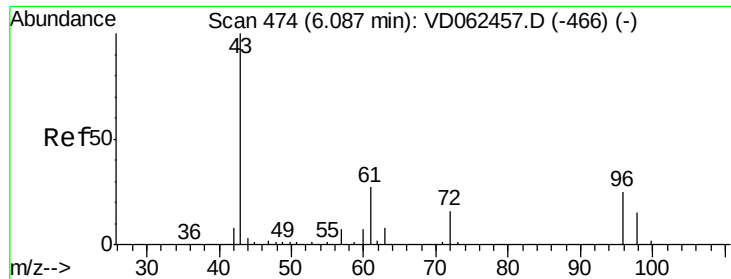
40000

20000

0

Time-->





#25

2-Butanone

Concen: 111.729 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.04 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

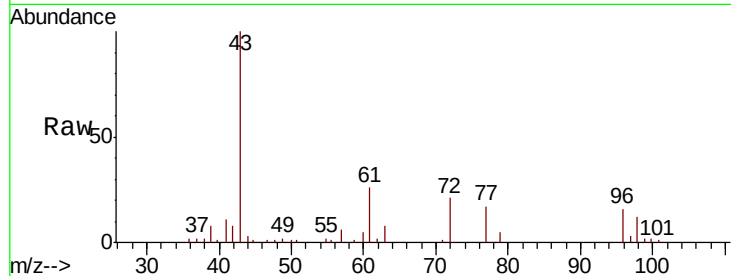
VD0522SBS01

Tot Ion: 43 Resp: 131842

Ion Ratio Lower Upper

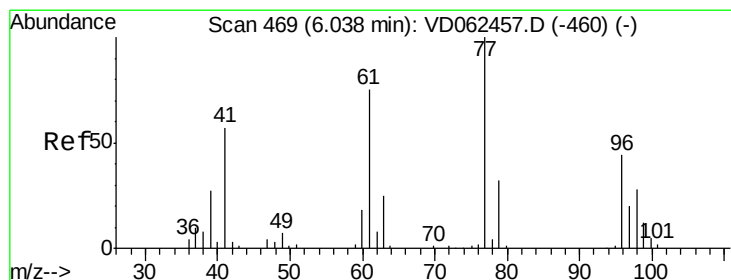
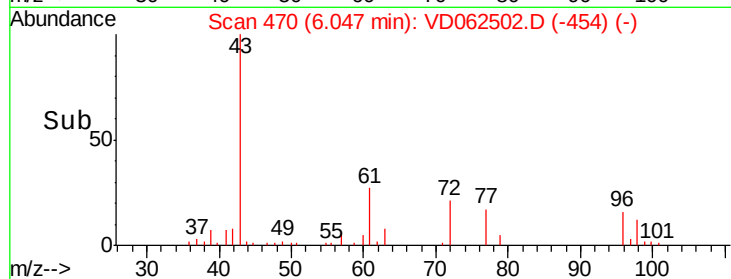
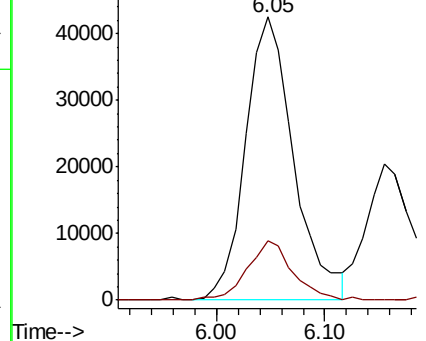
43 100

72 21.1 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.007 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.04 min

Lab File: VD062502.D

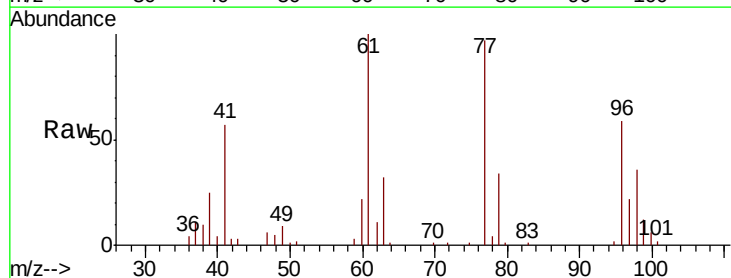
Acq: 22 May 2019 15:00

Tgt Ion: 77 Resp: 199371

Ion Ratio Lower Upper

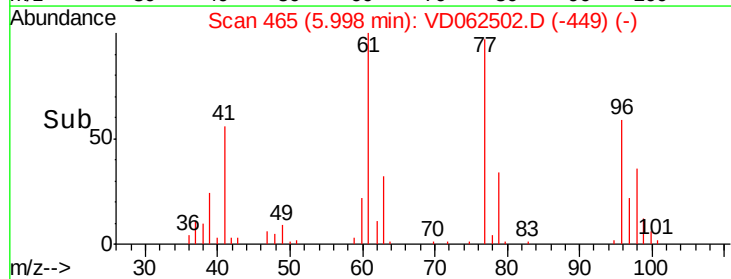
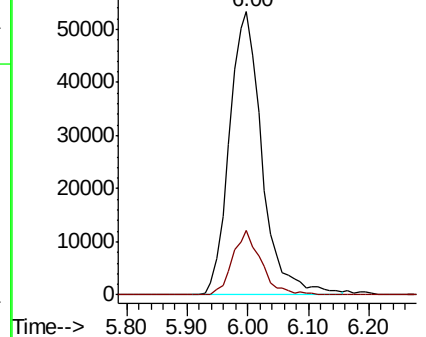
77 100

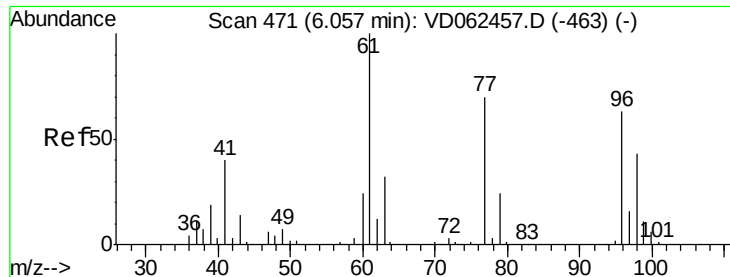
97 22.8 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 20.736 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.05 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

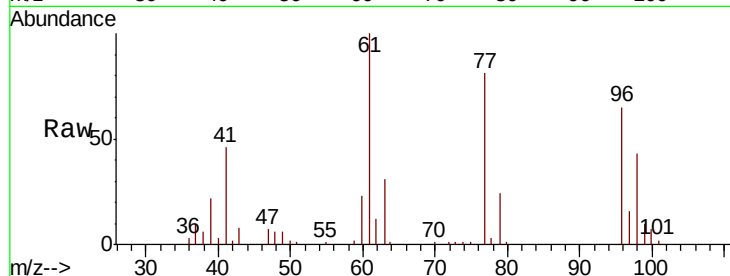
Tot Ion: 96 Resp: 114015

Ion Ratio Lower Upper

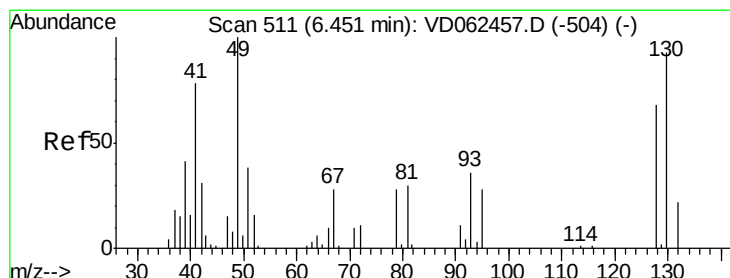
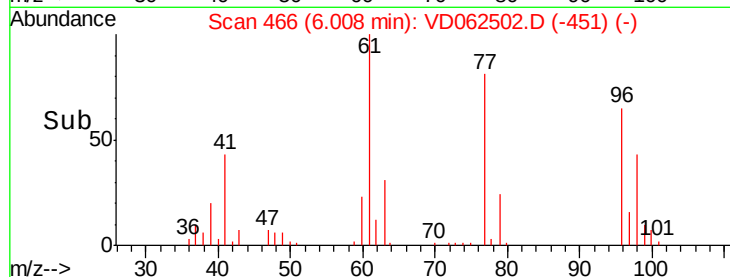
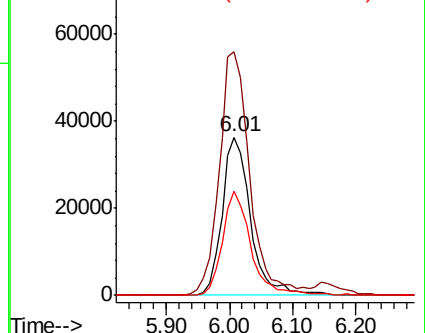
96 100

61 154.1 0.0 279.8

98 66.3 0.0 136.0



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



#28

Bromochloromethane

Concen: 20.360 ug/l

RT: 6.41 min Scan# 507

Delta R.T. -0.04 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

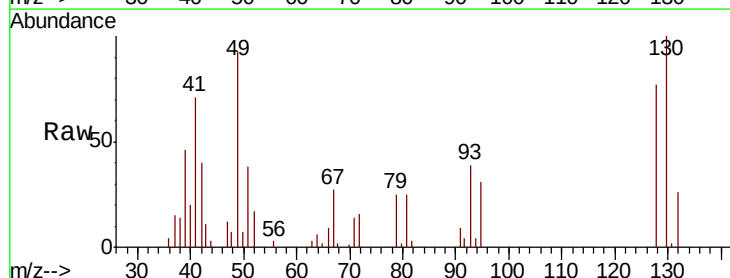
Tgt Ion: 49 Resp: 64336

Ion Ratio Lower Upper

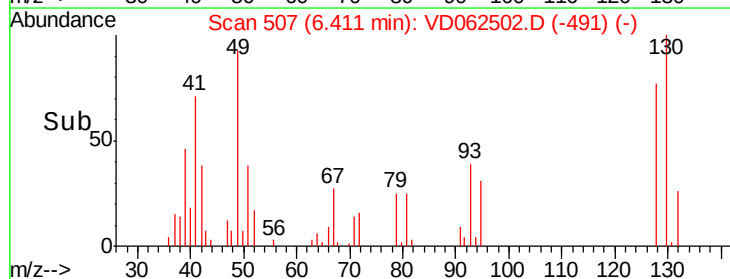
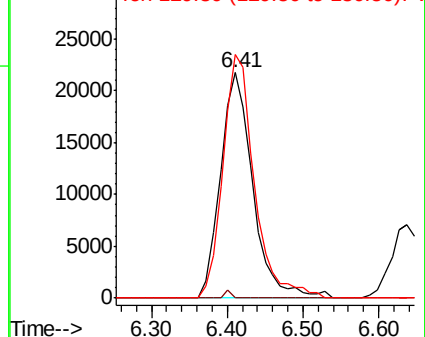
49 100

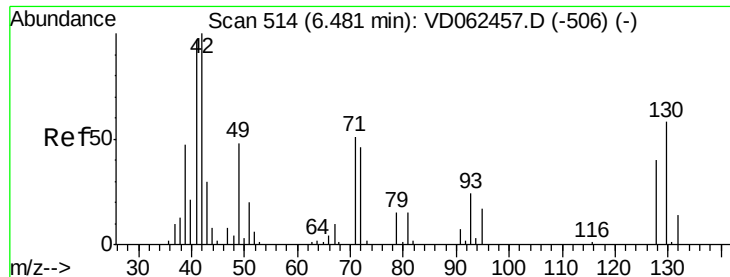
129 0.0 0.0 6.6

130 108.0 86.7 130.1



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

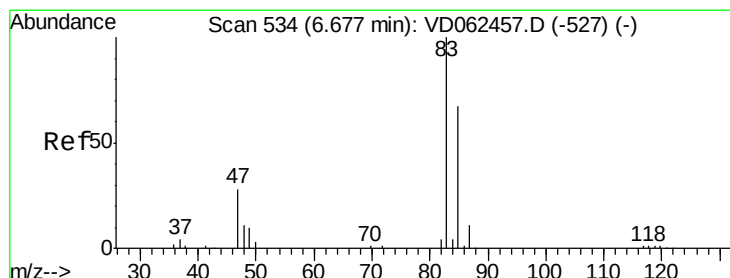
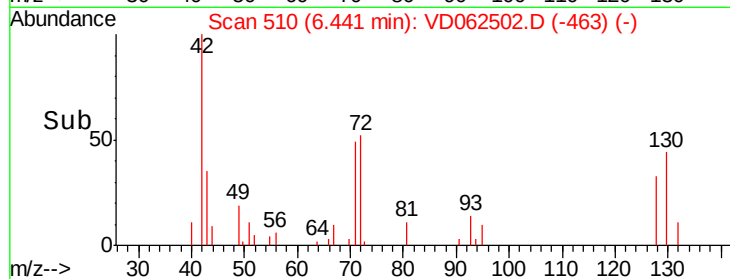
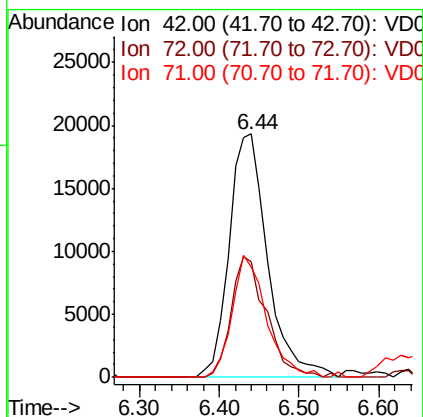
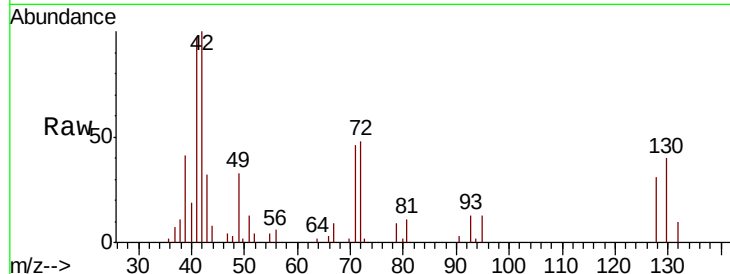




#29
Tetrahydrofuran
Concen: 115.101 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

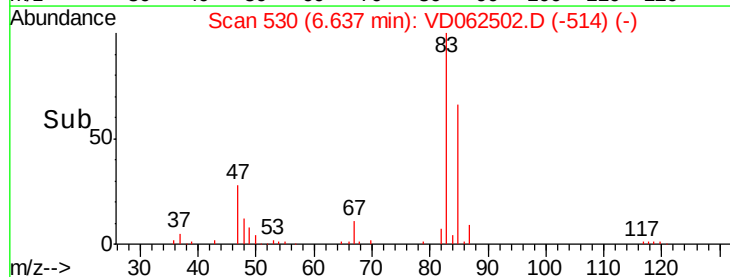
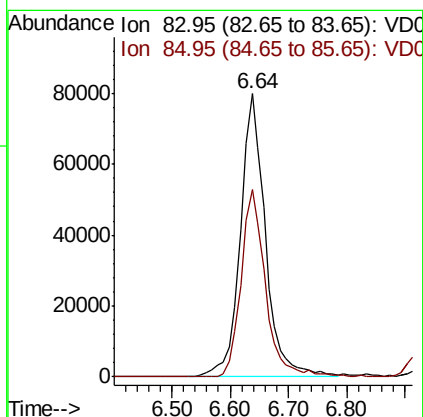
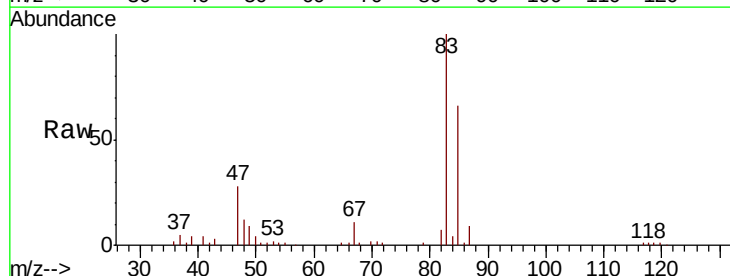
Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

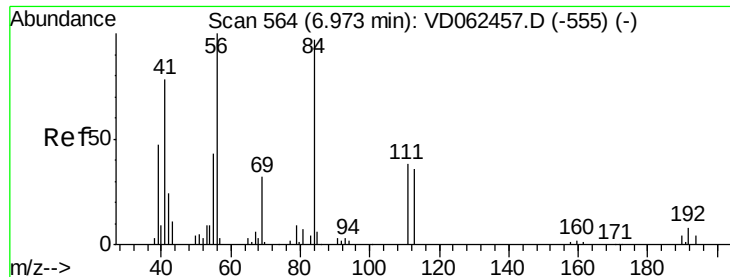
Tot Ion: 42 Resp: 64866
Ion Ratio Lower Upper
42 100
72 45.6 37.8 56.6
71 44.7 36.7 55.1



#30
Chloroform
Concen: 21.351 ug/l
RT: 6.64 min Scan# 530
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion: 83 Resp: 239652
Ion Ratio Lower Upper
83 100
85 66.4 51.7 77.5

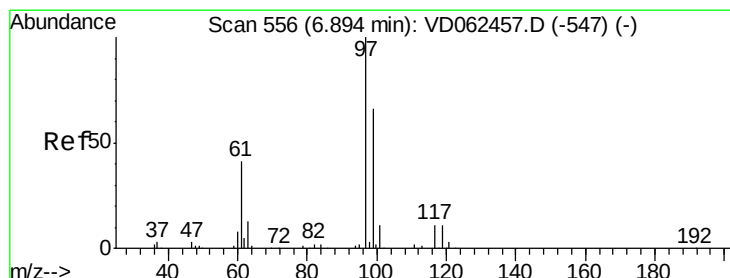
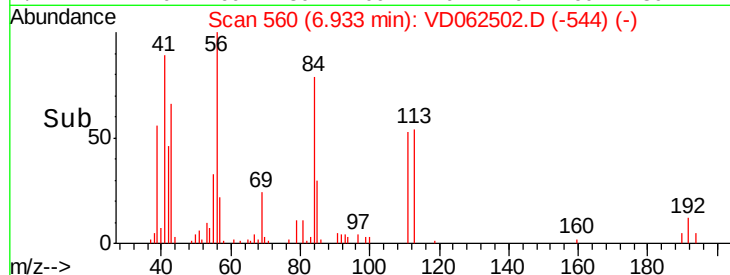
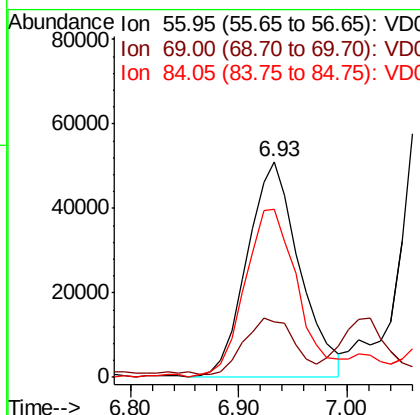
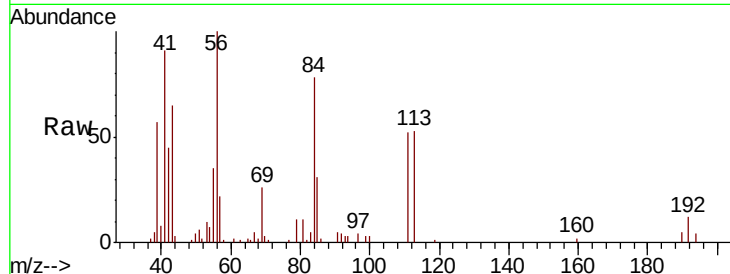




#31
Cyclohexane
Concen: 28.964 ug/l
RT: 6.93 min Scan# 560
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

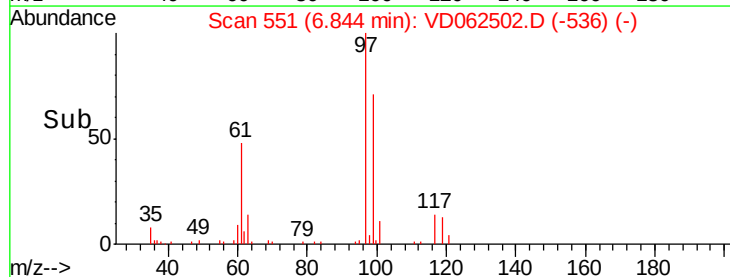
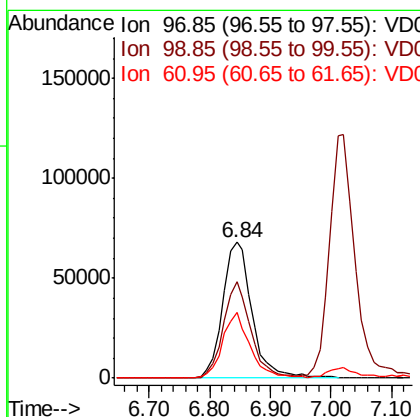
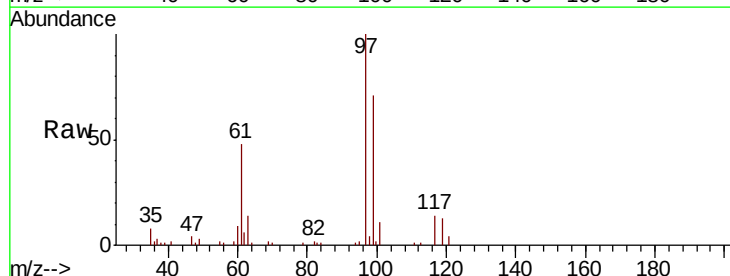
Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

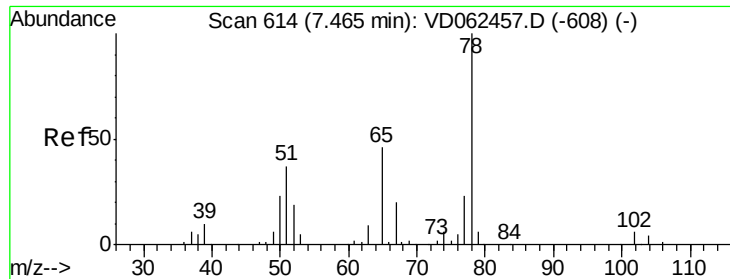
Tot Ion: 56 Resp: 172178
Ion Ratio Lower Upper
56 100
69 25.5 25.8 38.6#
84 77.8 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 20.099 ug/l
RT: 6.84 min Scan# 551
Delta R.T. -0.05 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion: 97 Resp: 227770
Ion Ratio Lower Upper
97 100
99 70.9 52.2 78.2
61 48.0 32.4 48.6

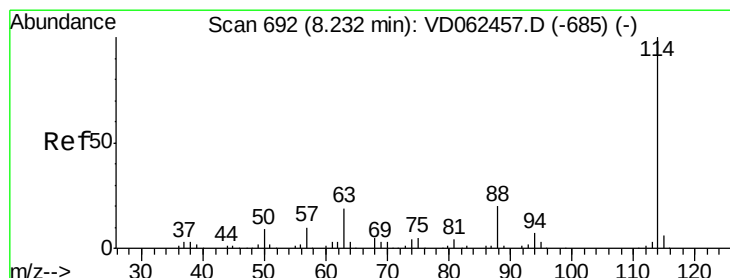
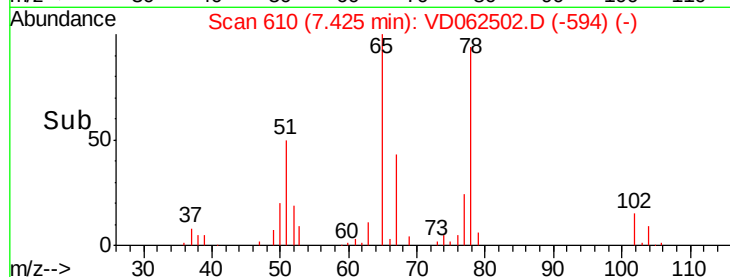
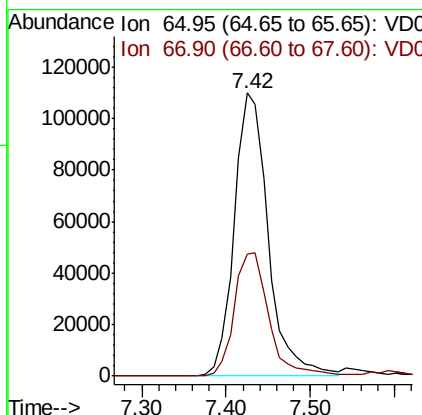
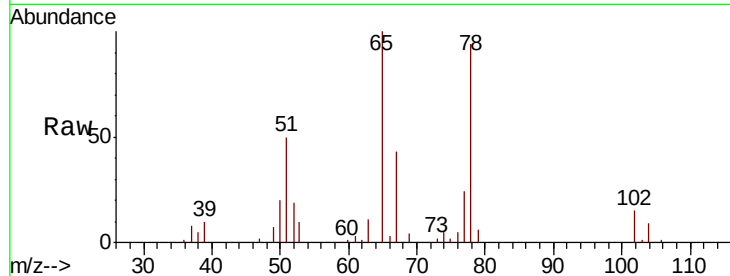




#33
 1,2-Dichloroethane-d4
 Concen: 49.067 ug/l
 RT: 7.42 min Scan# 610
 Delta R.T. -0.04 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

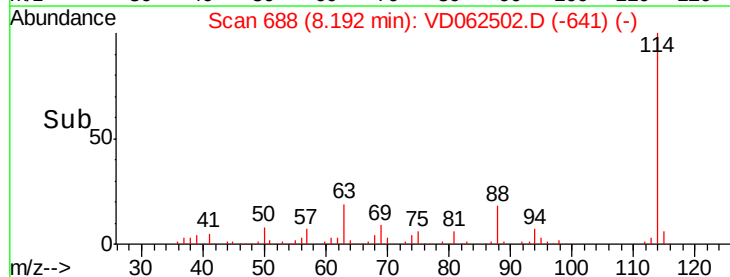
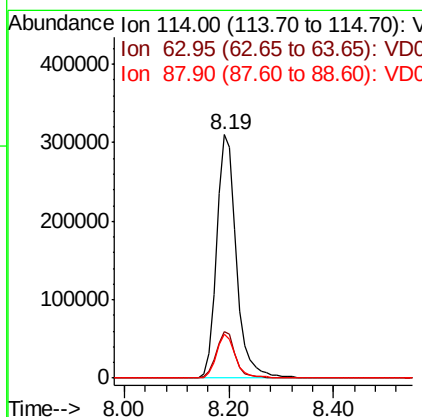
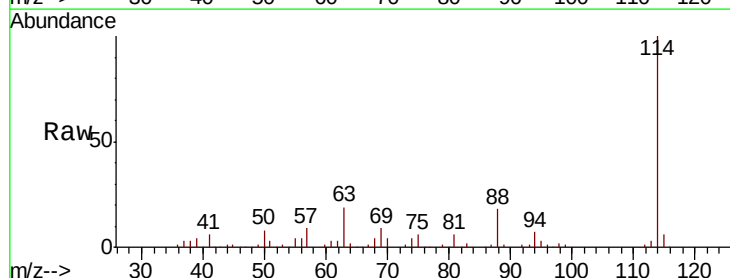
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

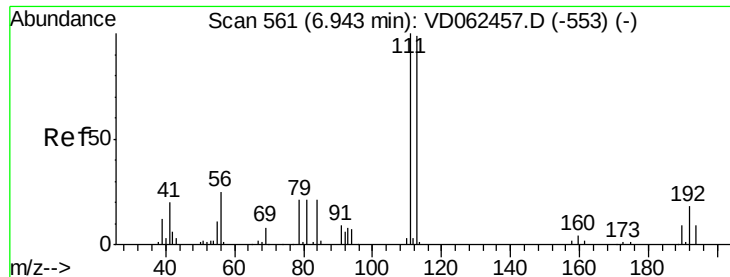
Tot Ion: 65 Resp: 308921
 Ion Ratio Lower Upper
 65 100
 67 43.3 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. -0.04 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion: 114 Resp: 810770
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 32.4
 88 17.9 0.0 33.6

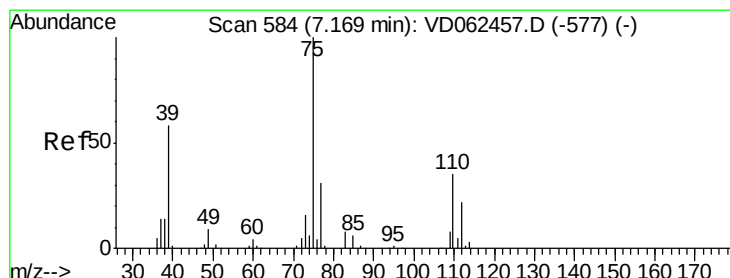
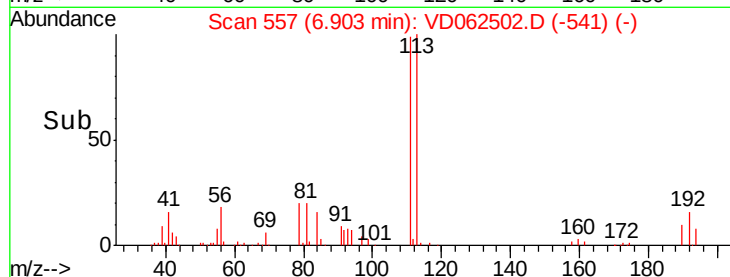
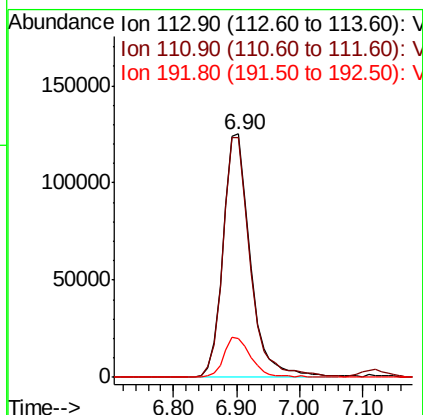
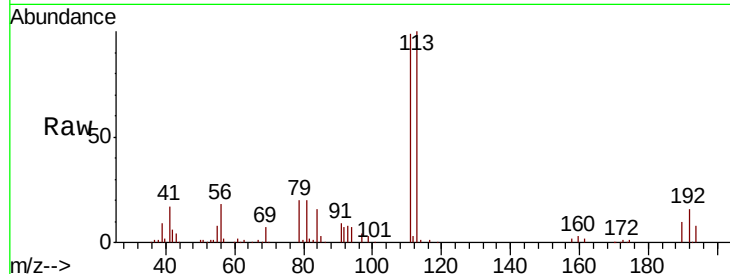




#35
 Dibromofluoromethane
 Concen: 51.222 ug/l
 RT: 6.90 min Scan# 557
 Delta R.T. -0.04 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

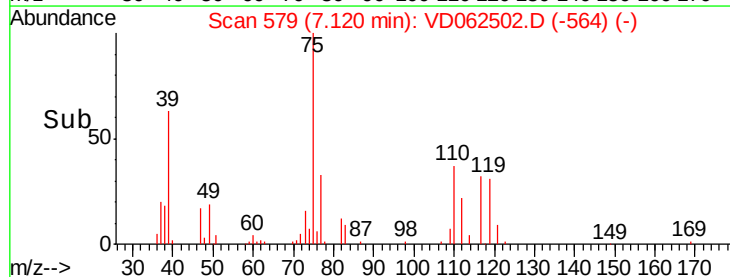
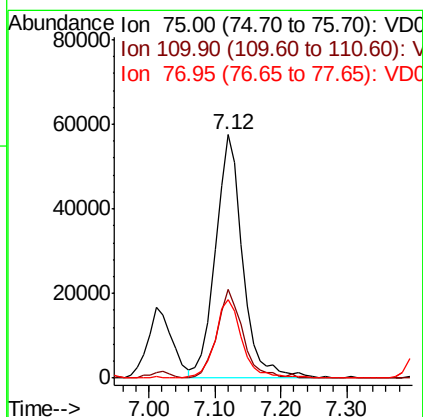
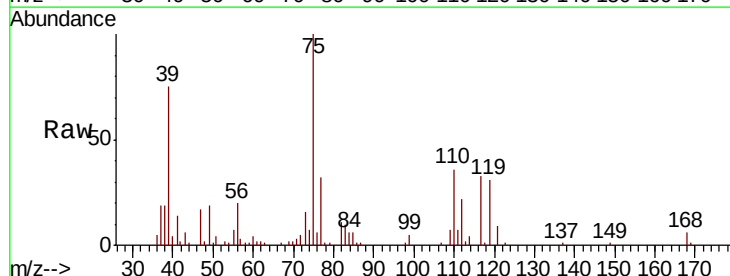
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

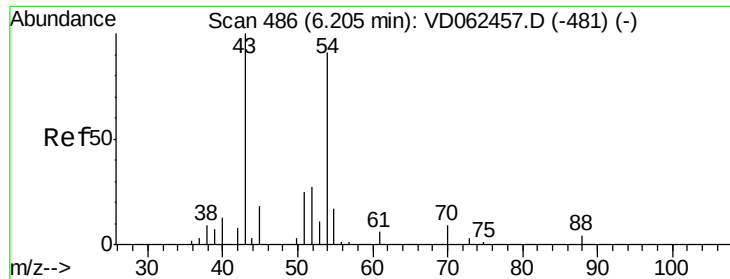
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.7	78.5	117.7
192	15.8	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 21.216 ug/l
 RT: 7.12 min Scan# 579
 Delta R.T. -0.05 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	19.1	57.1
77	32.3	25.6	38.4

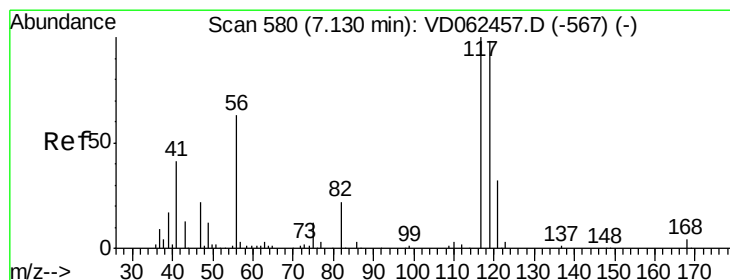
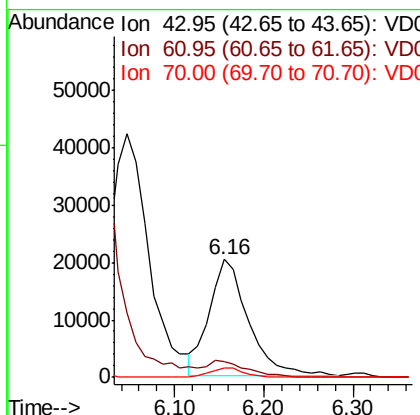
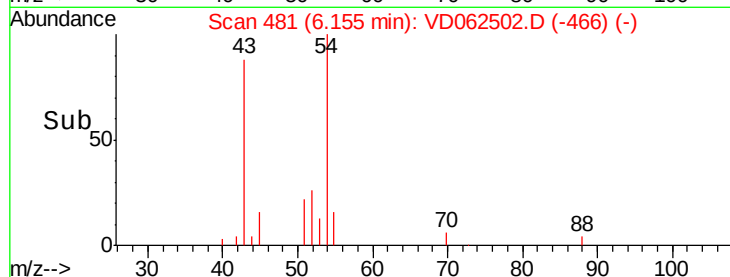
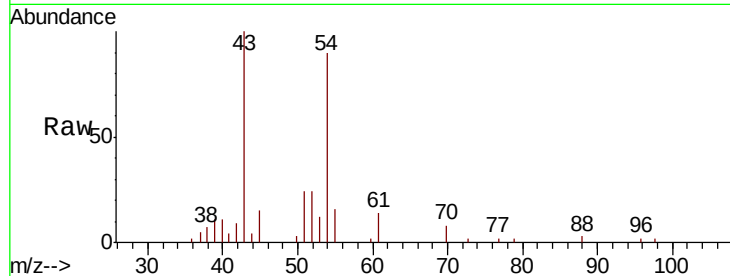




#37
Ethyl Acetate
Concen: 20.626 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.05 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

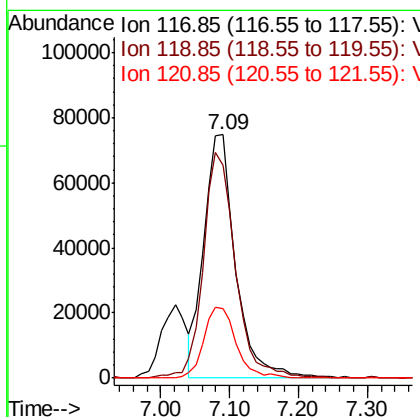
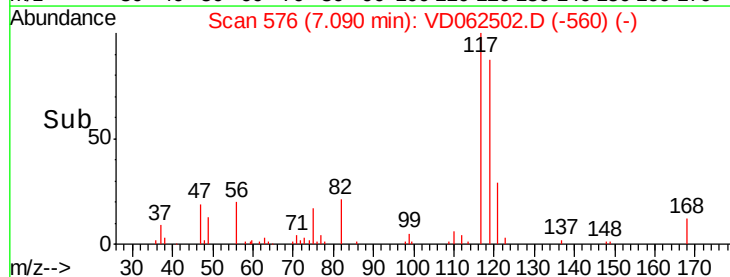
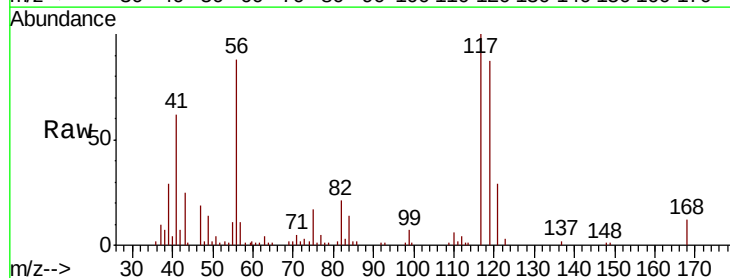
Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

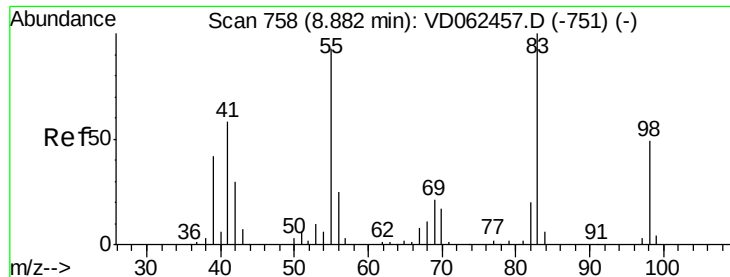
Tot Ion: 43 Resp: 62110
Ion Ratio Lower Upper
43 100
61 13.6 14.7 22.1#
70 8.1 7.8 11.6



#38
Carbon Tetrachloride
Concen: 20.810 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion: 117 Resp: 239735
Ion Ratio Lower Upper
117 100
119 87.4 75.8 113.8
121 28.6 25.9 38.9

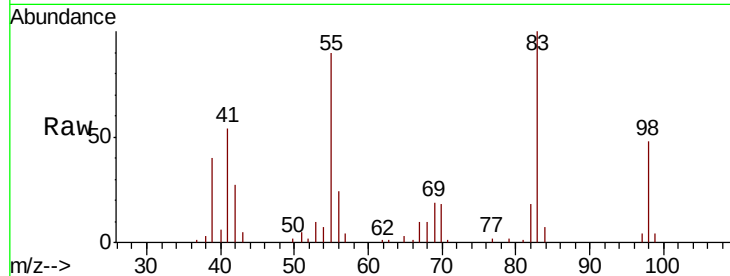




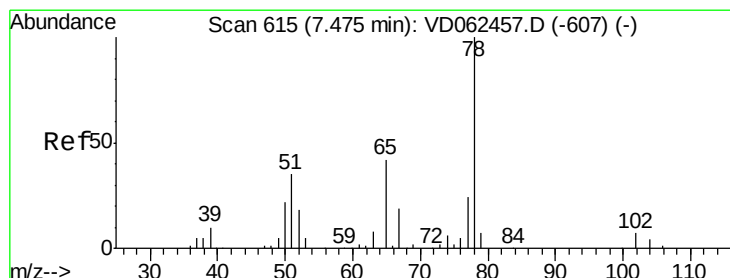
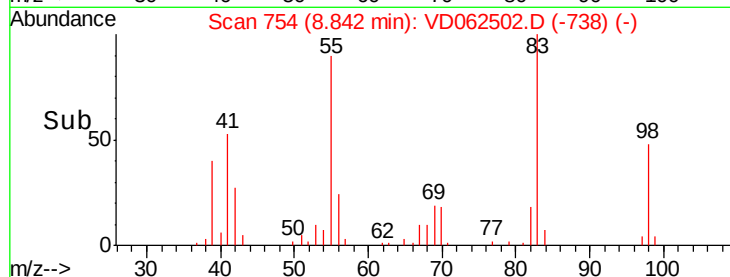
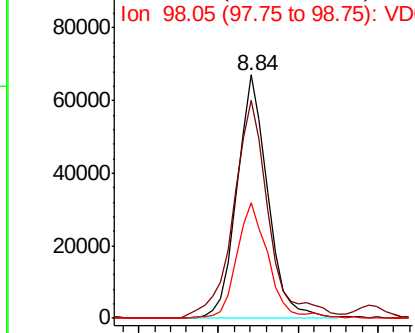
#39
Methylvlcyclohexane
Concen: 28.001 ug/l
RT: 8.84 min Scan# 754
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

Tot Ion: 83 Resp: 179026
Ion Ratio Lower Upper
83 100
55 89.6 68.2 102.4
98 47.6 38.2 57.4

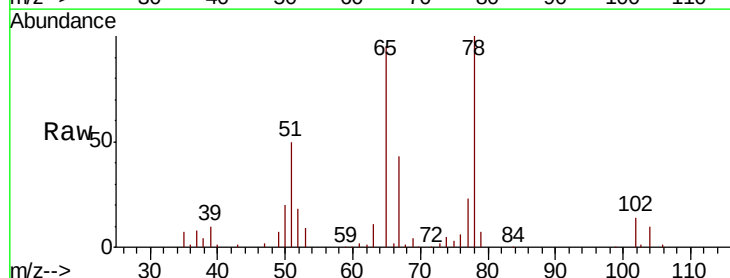


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

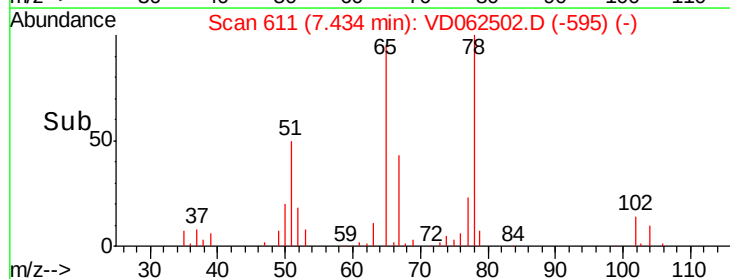
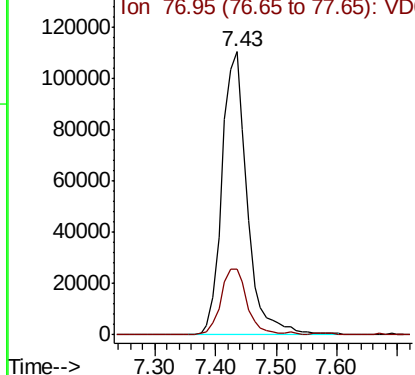


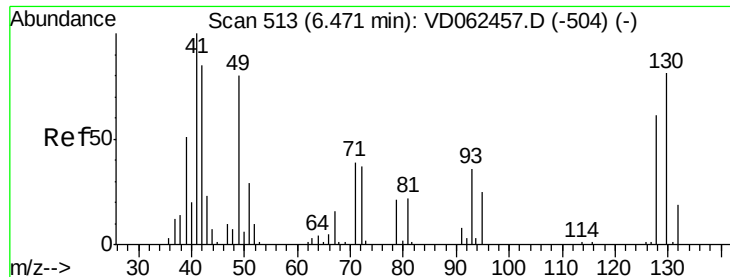
#40
Benzene
Concen: 21.004 ug/l
RT: 7.43 min Scan# 611
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion: 78 Resp: 319356
Ion Ratio Lower Upper
78 100
77 23.0 19.7 29.5



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





#41

Methacrylonitrile

Concen: 22.377 ug/l

RT: 6.42 min Scan# 508

Delta R.T. -0.05 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

Tot Ion: 41 Resp: 84631

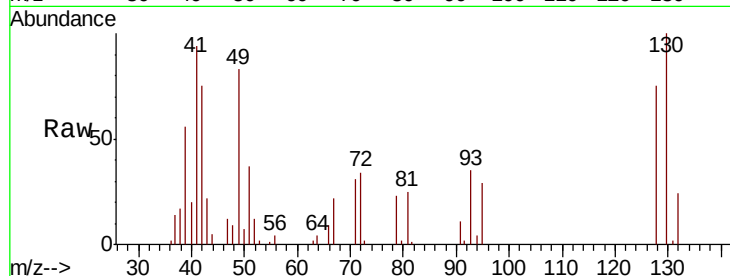
Ion Ratio Lower Upper

41 100

39 59.3 34.1 51.1#

67 23.9 23.8 35.6

52 12.6 8.8 13.2

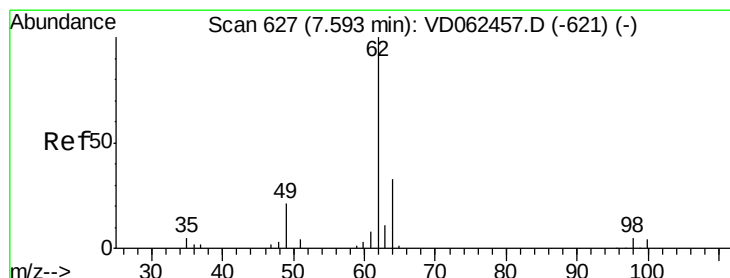
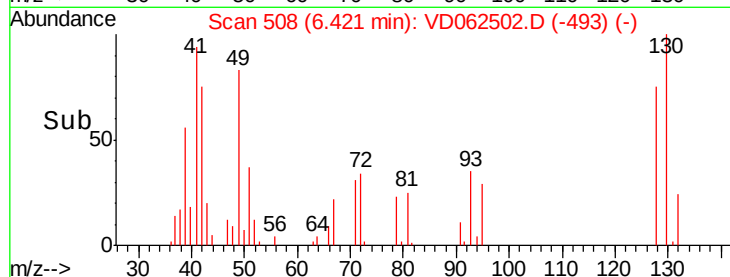
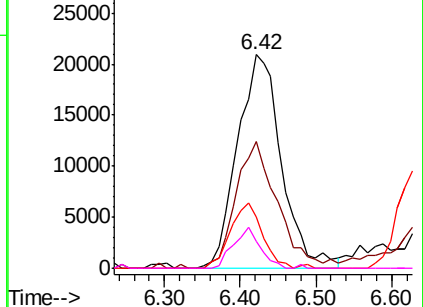


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.462 ug/l

RT: 7.55 min Scan# 623

Delta R.T. -0.04 min

Lab File: VD062502.D

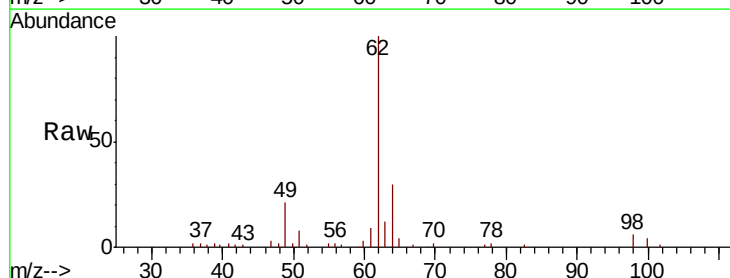
Acq: 22 May 2019 15:00

Tgt Ion: 62 Resp: 172800

Ion Ratio Lower Upper

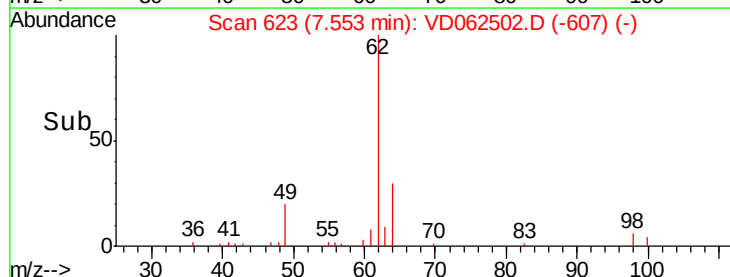
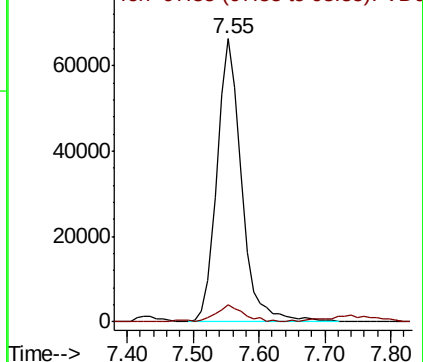
62 100

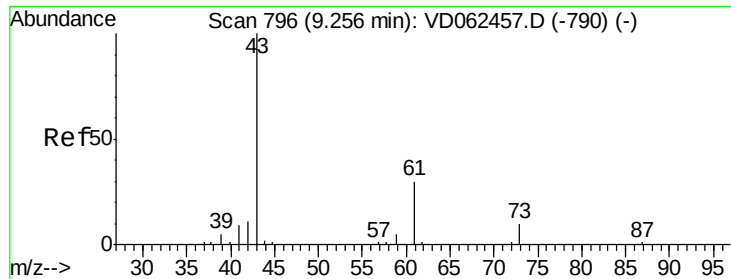
98 6.0 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.817 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

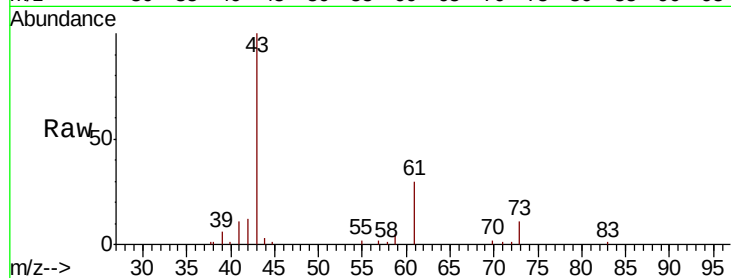
Tot Ion: 43 Resp: 87156

Ion Ratio Lower Upper

43 100

61 29.6 25.1 37.7

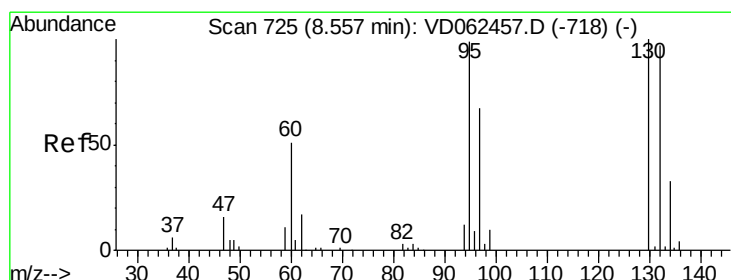
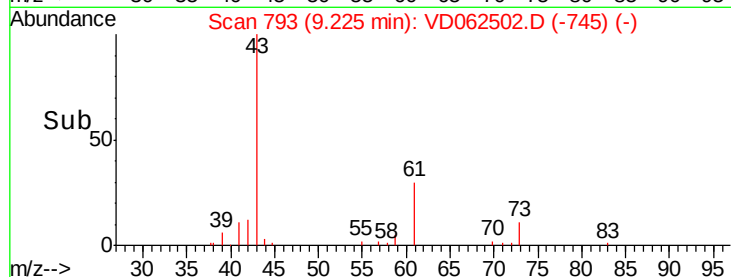
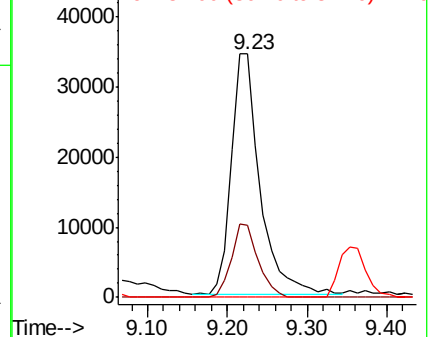
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.627 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.04 min

Lab File: VD062502.D

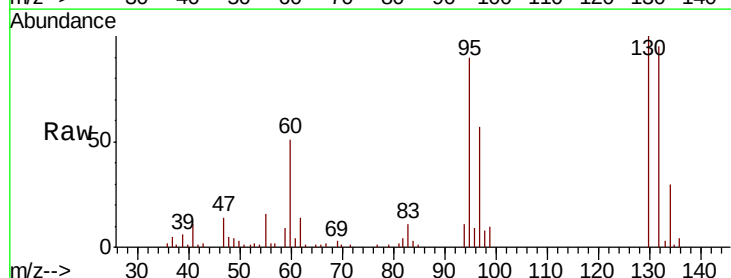
Acq: 22 May 2019 15:00

Tgt Ion: 130 Resp: 137752

Ion Ratio Lower Upper

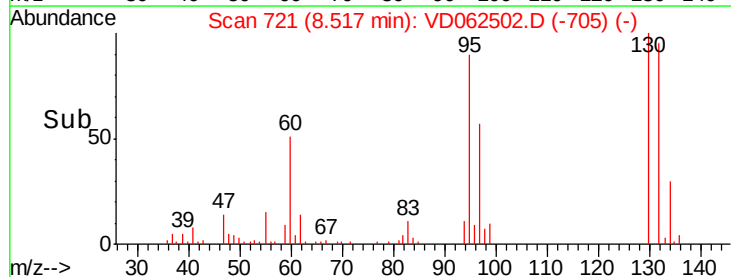
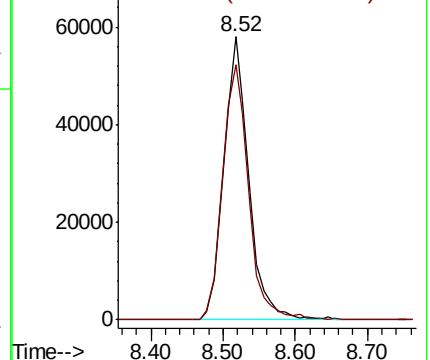
130 100

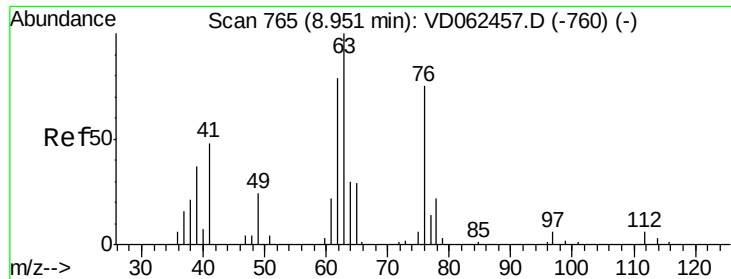
95 90.2 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.397 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

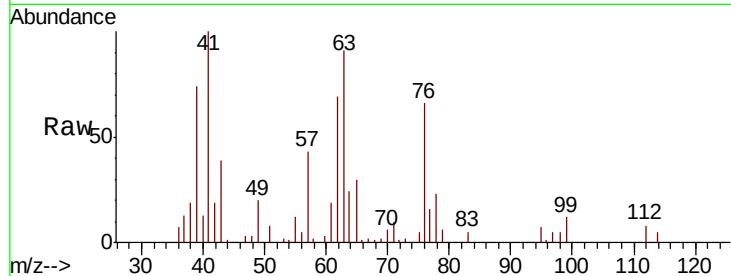
VD0522SBS01

Tot Ion: 63 Resp: 79282

Ion Ratio Lower Upper

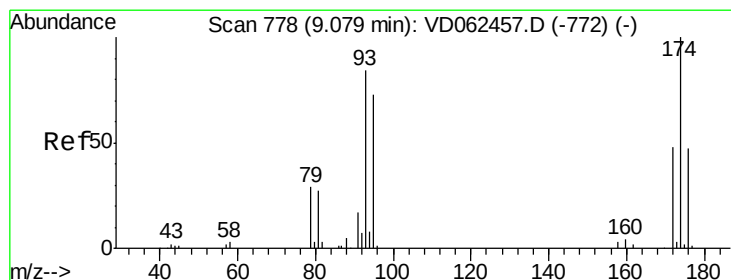
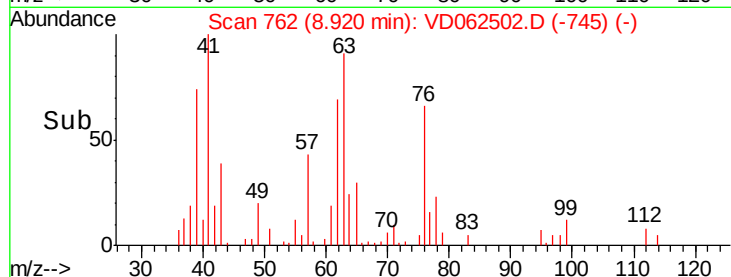
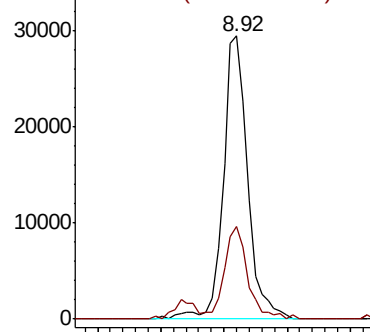
63 100

65 32.8 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.386 ug/l

RT: 9.04 min Scan# 774

Delta R.T. -0.04 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

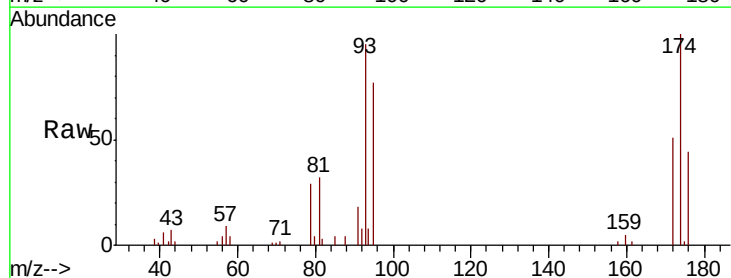
Tgt Ion: 93 Resp: 65113

Ion Ratio Lower Upper

93 100

95 80.3 64.8 97.2

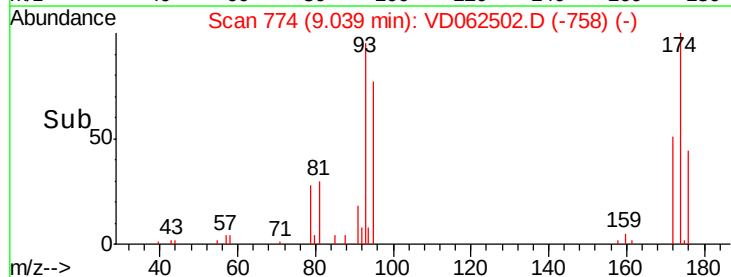
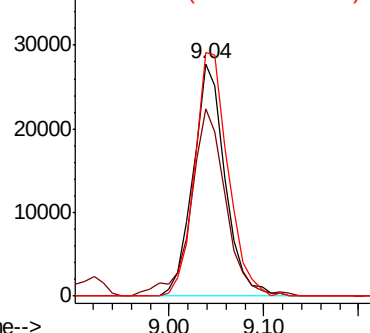
174 104.7 79.3 118.9

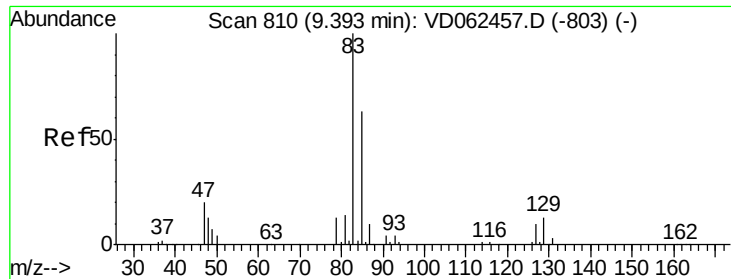


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.944 ug/l

RT: 9.35 min Scan# 806

Delta R.T. -0.04 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

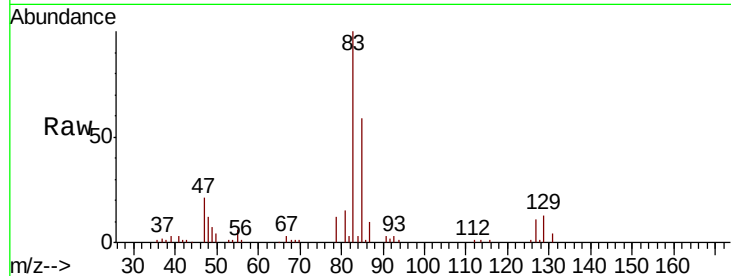
Tot Ion: 83 Resp: 187501

Ion Ratio Lower Upper

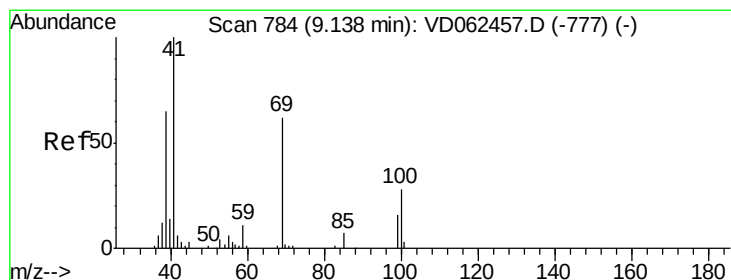
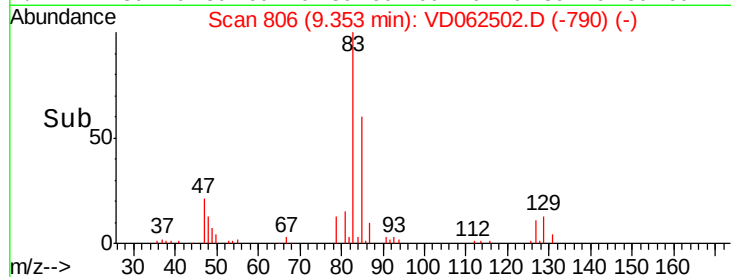
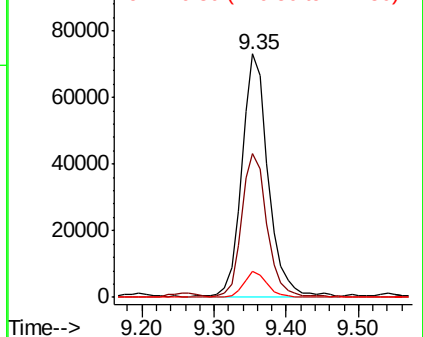
83 100

85 59.1 50.9 76.3

127 10.6 8.1 12.1



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: 22.777 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.04 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

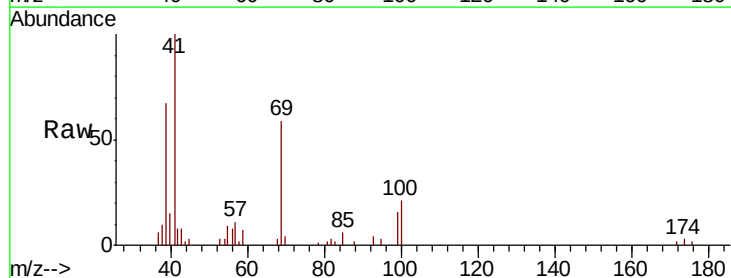
Tgt Ion: 41 Resp: 61233

Ion Ratio Lower Upper

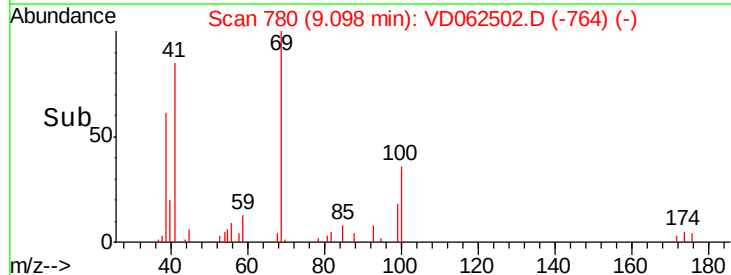
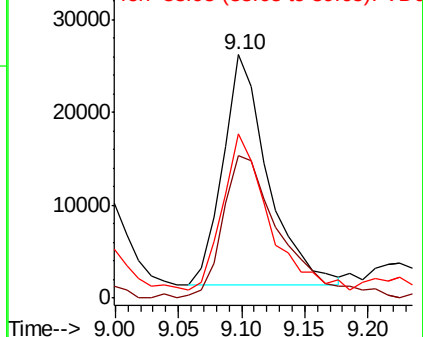
41 100

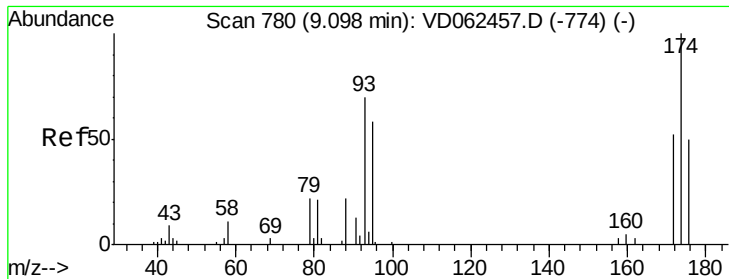
69 58.7 64.2 96.2#

39 67.4 46.8 70.2



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

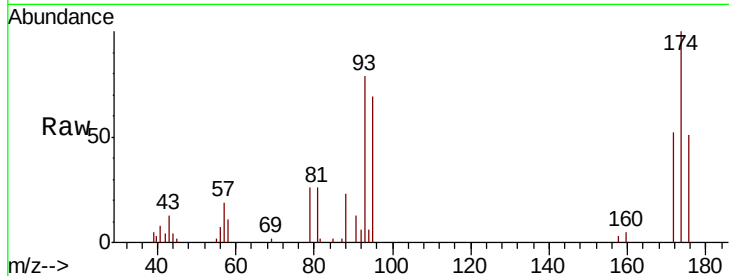




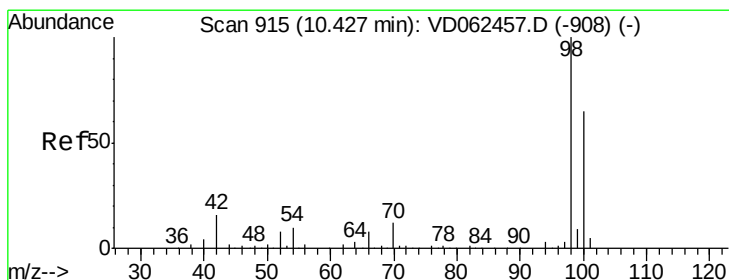
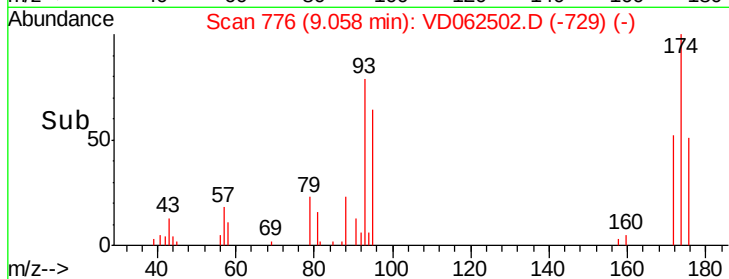
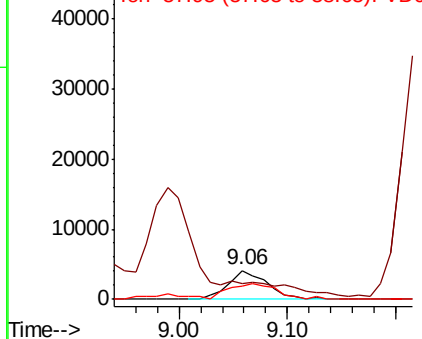
#49
 1,4-Dioxane
 Concen: 429.967 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.04 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

Tot Ion: 88 Resp: 10368
 Ion Ratio Lower Upper
 88 100
 43 56.4 23.4 35.0#
 58 46.9 44.0 66.0

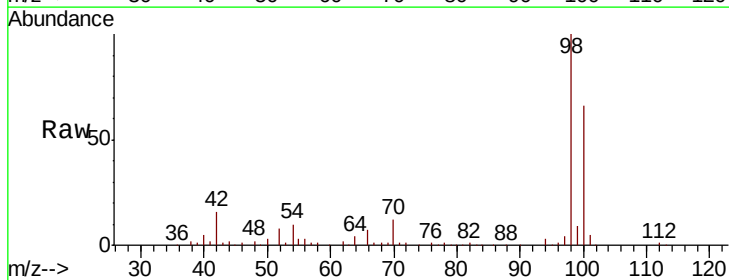


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

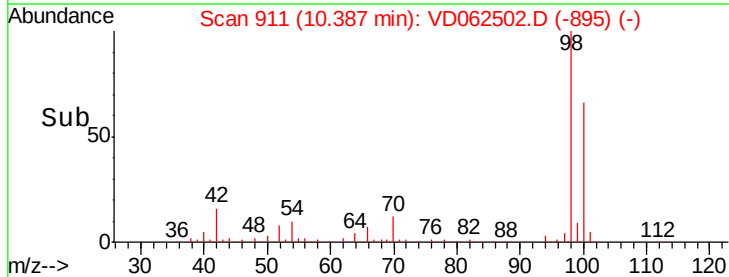
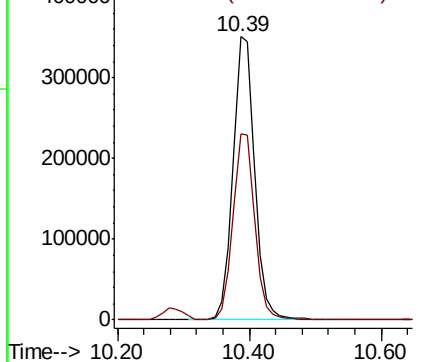


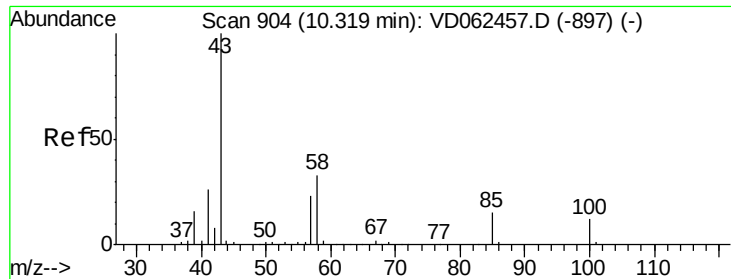
#50
 Toluene-d8
 Concen: 50.820 ug/l
 RT: 10.39 min Scan# 911
 Delta R.T. -0.04 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion: 98 Resp: 813437
 Ion Ratio Lower Upper
 98 100
 100 65.7 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 112.935 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.04 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

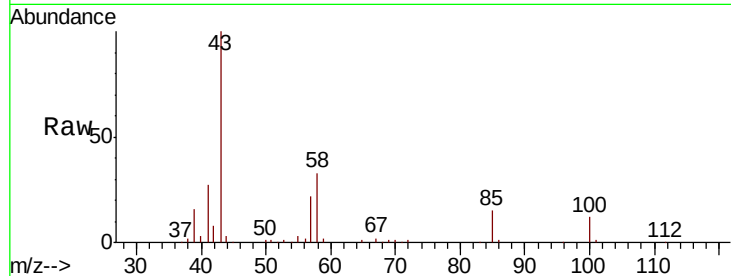
VD0522SBS01

Tot Ion: 43 Resp: 298044

Ion Ratio Lower Upper

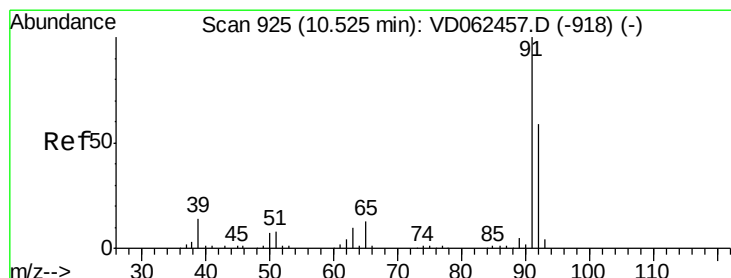
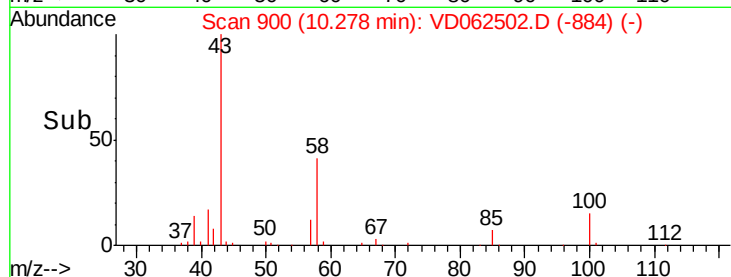
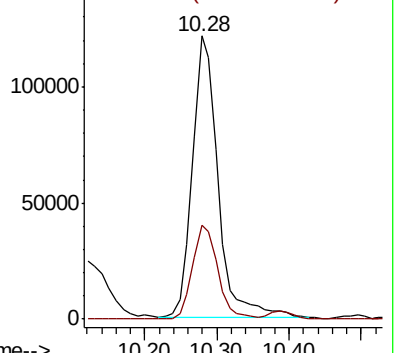
43 100

58 33.0 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.044 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.04 min

Lab File: VD062502.D

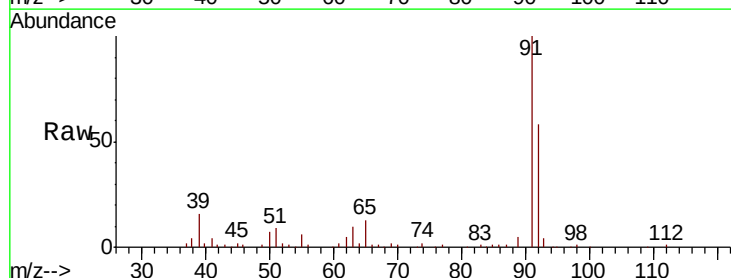
Acq: 22 May 2019 15:00

Tgt Ion: 92 Resp: 198228

Ion Ratio Lower Upper

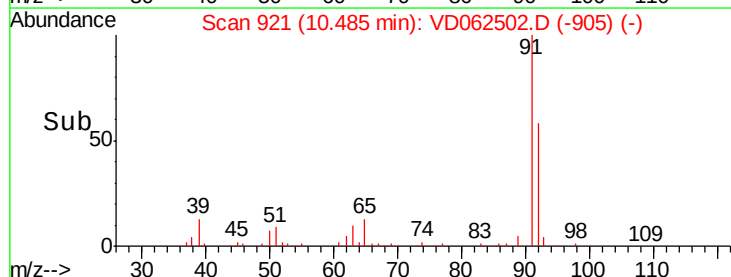
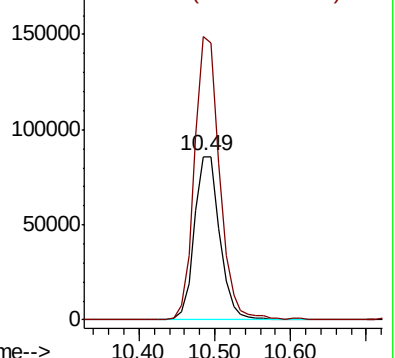
92 100

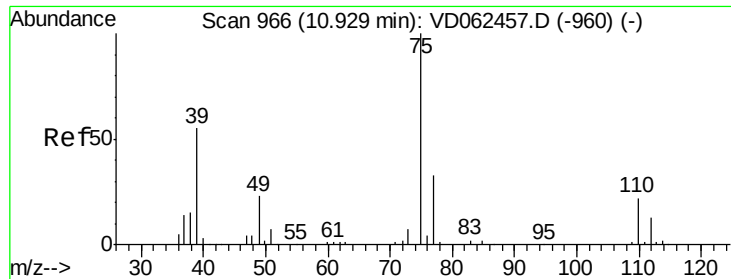
91 173.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

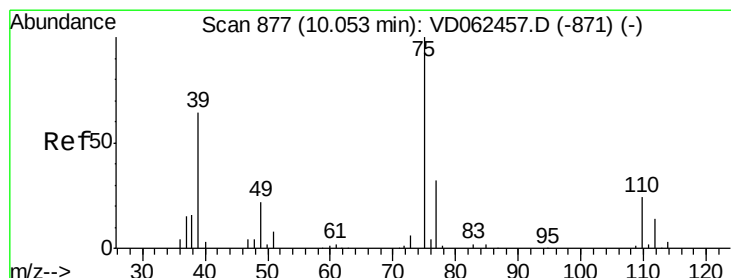
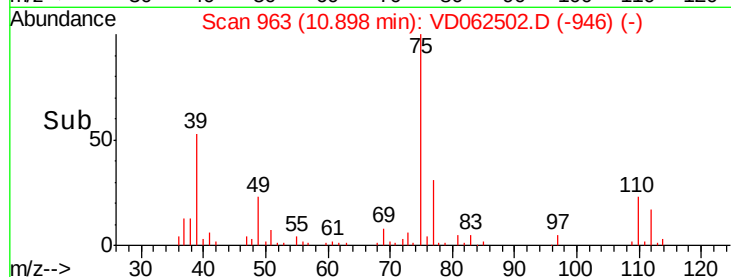
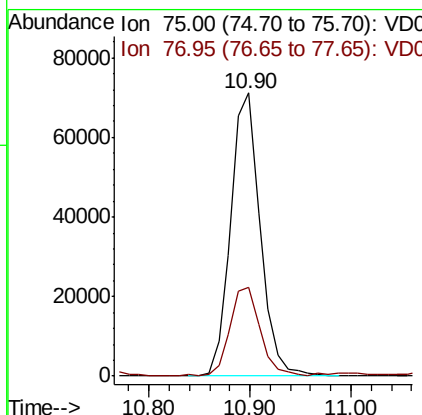
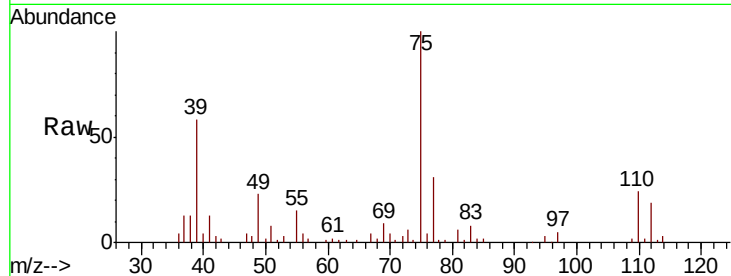




#53
 t-1,3-Dichloropropene
 Concen: 20.256 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.03 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

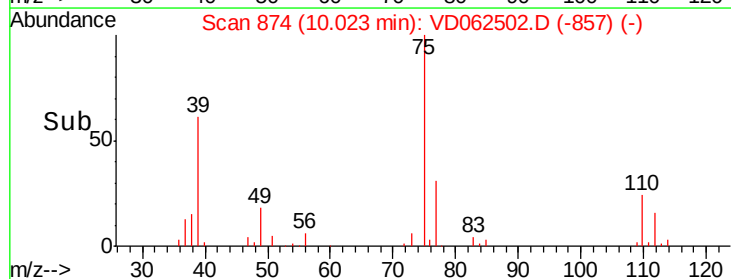
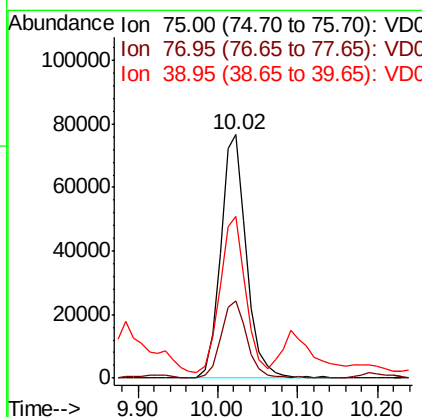
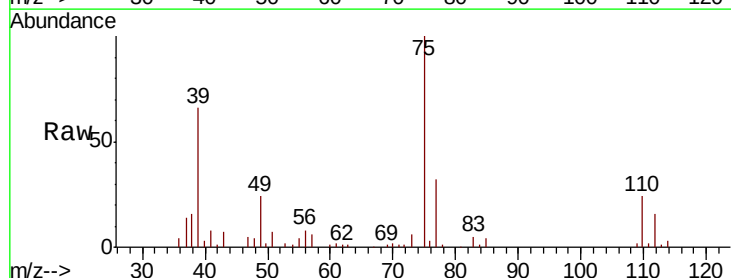
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

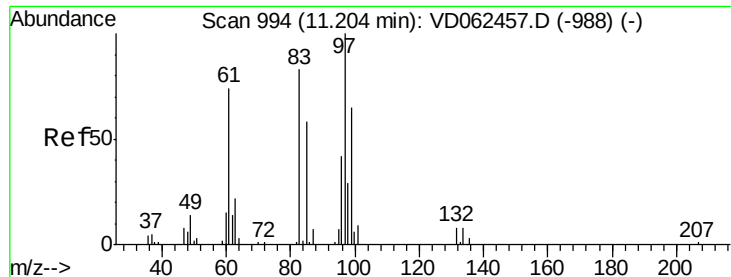
Tot Ion: 75 Resp: 144095
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 23.213 ug/l
 RT: 10.02 min Scan# 874
 Delta R.T. -0.03 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion: 75 Resp: 172306
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.5 38.3
 39 66.3 39.4 59.2#





#55

1,1,2-Trichloroethane

Concen: 22.721 ug/l

RT: 11.17 min Scan# 991

Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

Tot Ion: 97 Resp: 80154

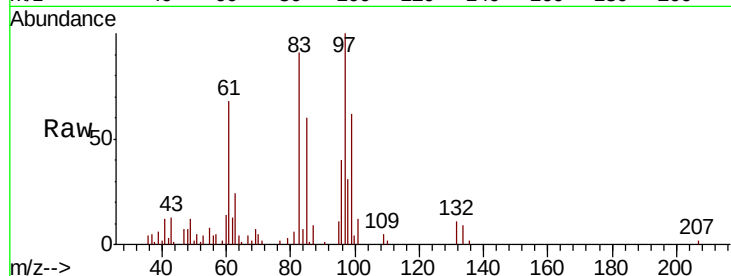
Ion Ratio Lower Upper

97 100

83 91.3 65.7 98.5

85 60.1 45.6 68.4

99 61.6 48.4 72.6



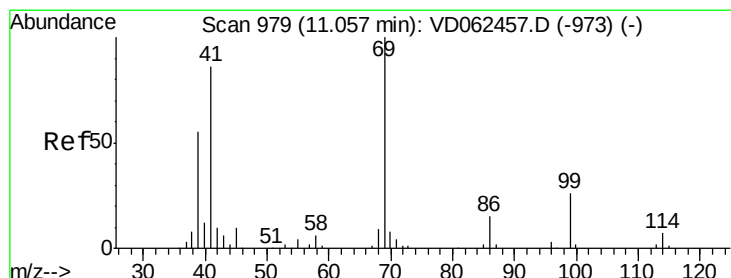
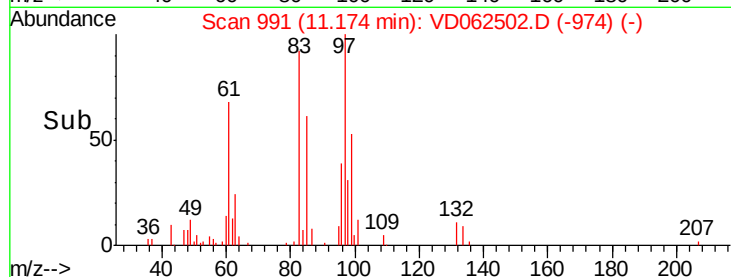
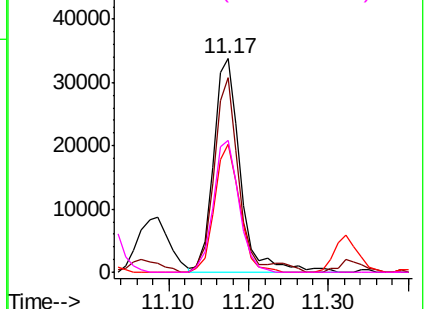
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 25.977 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.03 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

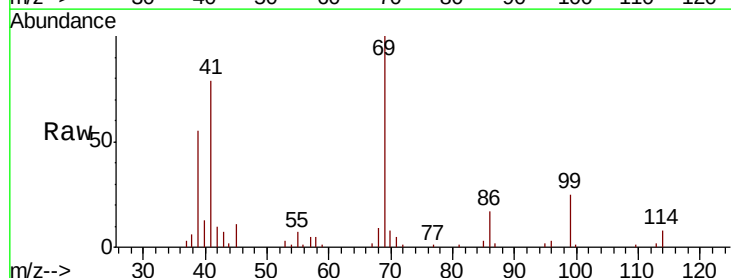
Tgt Ion: 69 Resp: 97968

Ion Ratio Lower Upper

69 100

41 78.9 56.3 84.5

39 55.3 29.4 44.2#

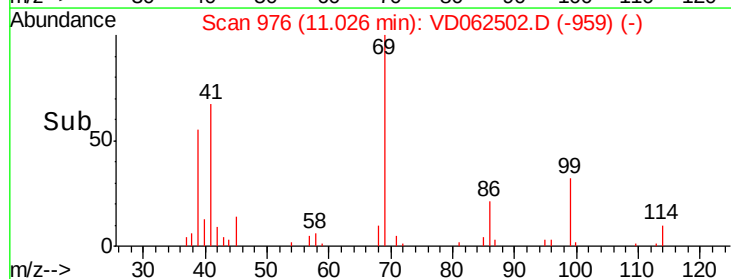
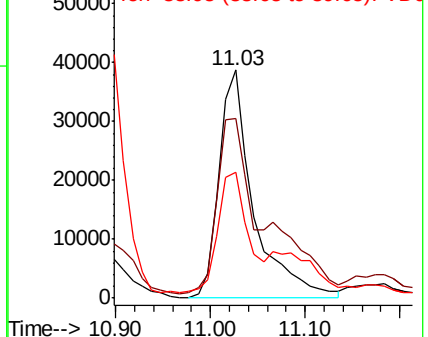


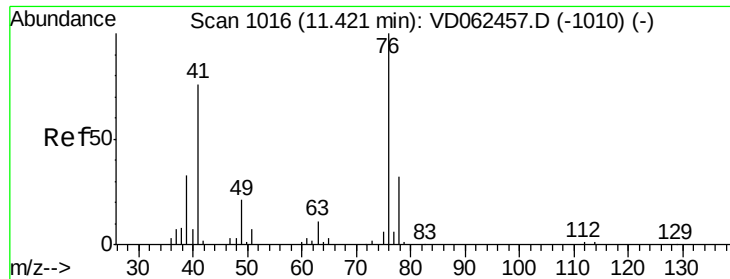
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

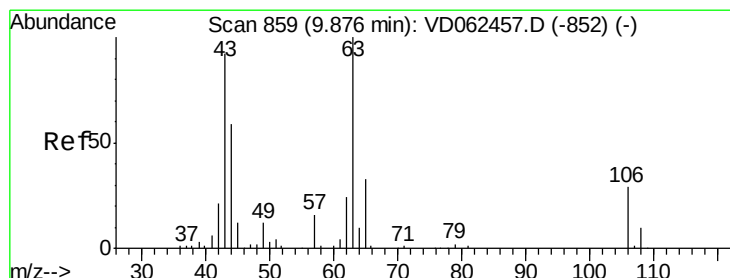
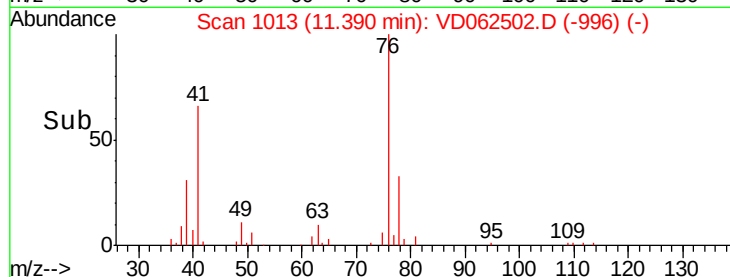
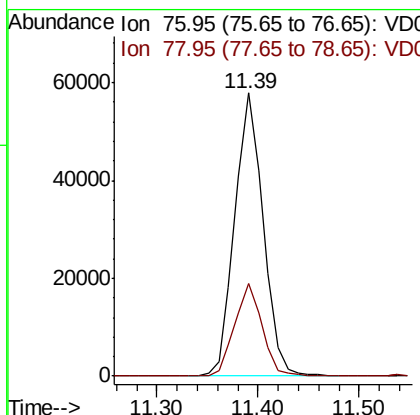
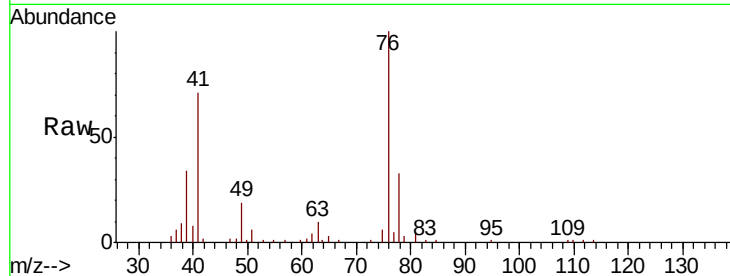




#57
 1,3-Dichloropropane
 Concen: 21.022 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.03 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

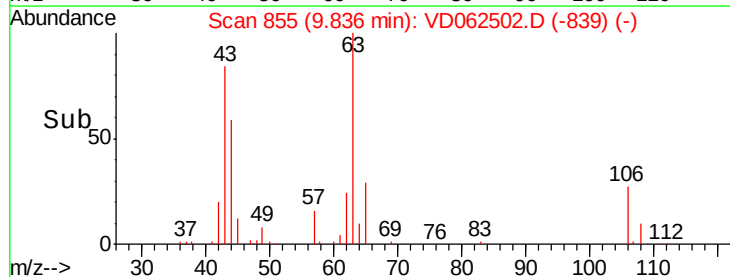
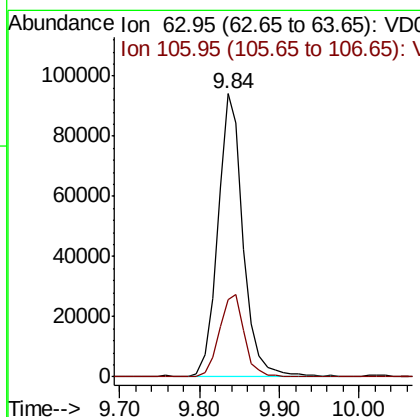
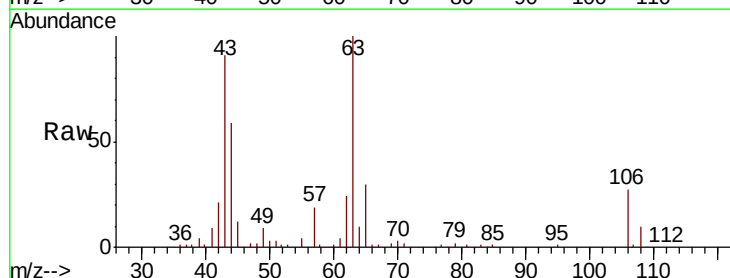
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

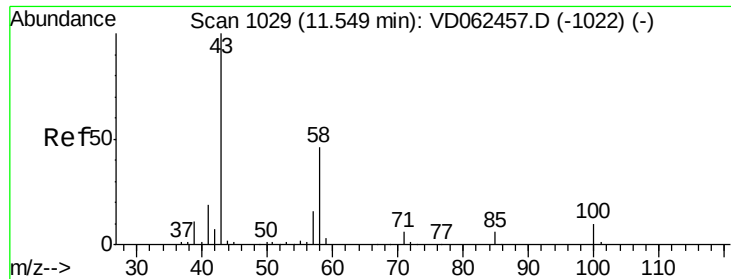
Tot Ion: 76 Resp: 113731
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.653 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.04 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion: 63 Resp: 208473
 Ion Ratio Lower Upper
 63 100
 106 27.1 22.6 34.0

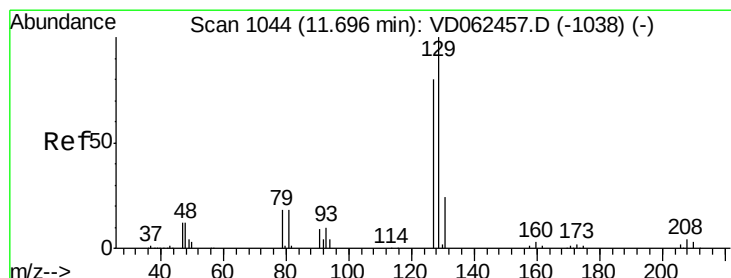
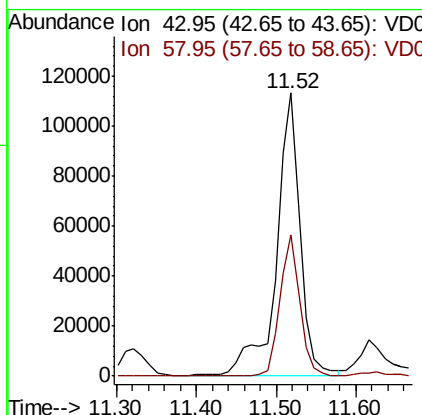
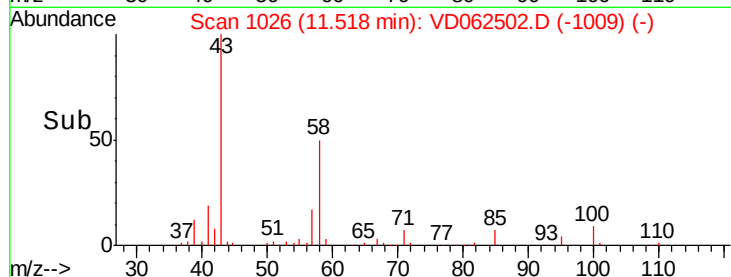
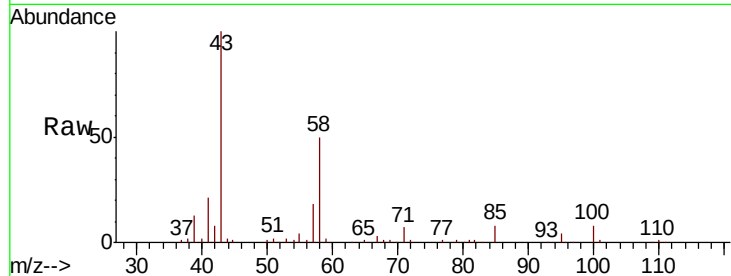




#59
2-Hexanone
Concen: 124.740 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.03 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

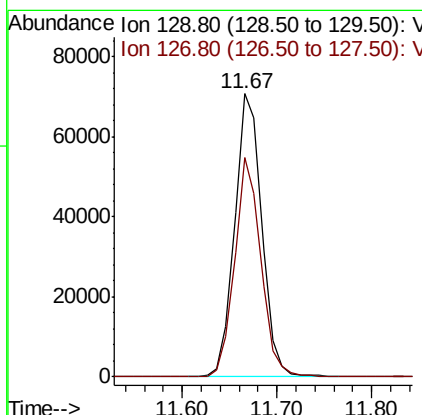
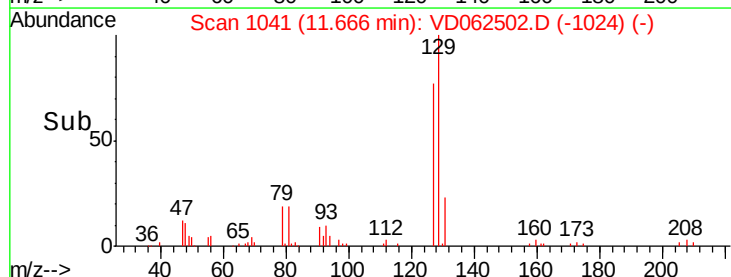
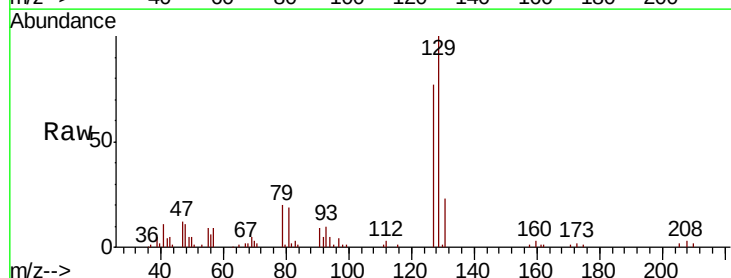
Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

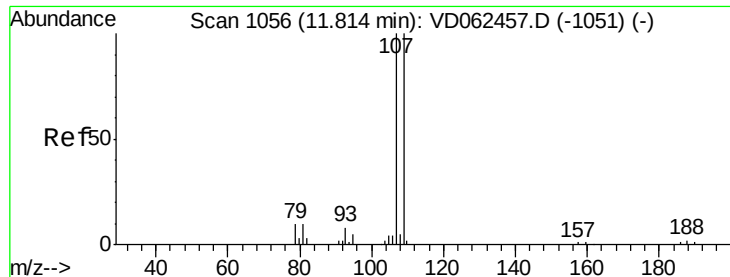
Tot Ion: 43 Resp: 239256
Ion Ratio Lower Upper
43 100
58 49.7 25.4 76.4



#60
Dibromochloromethane
Concen: 20.644 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.03 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion:129 Resp: 139882
Ion Ratio Lower Upper
129 100
127 77.5 38.0 113.9

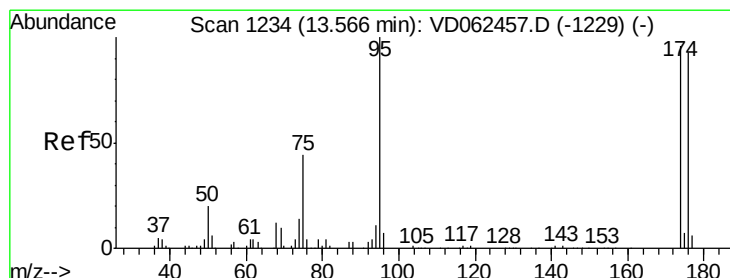
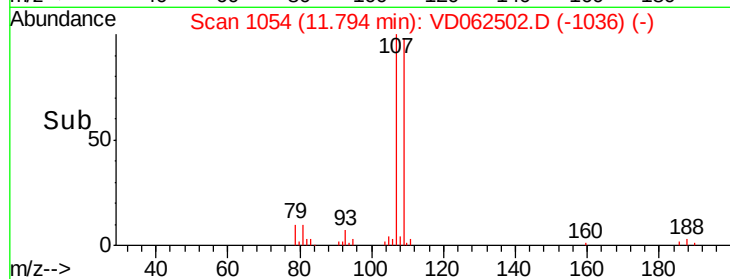
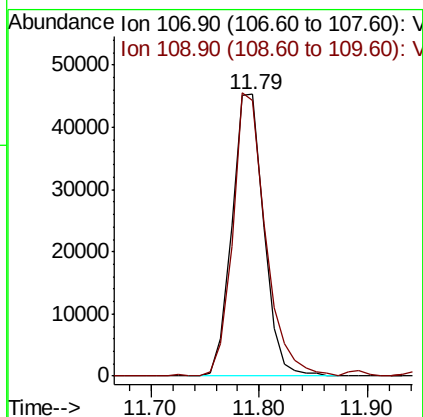
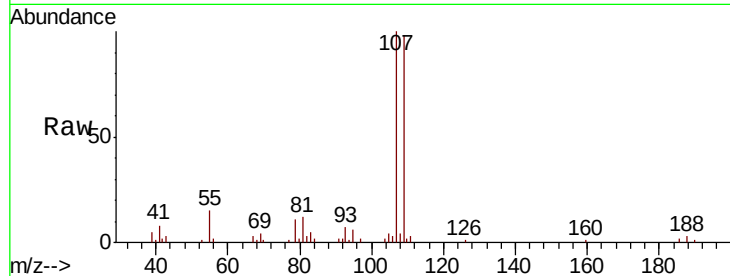




#61
 1,2-Dibromoethane
 Concen: 21.255 ug/l
 RT: 11.79 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

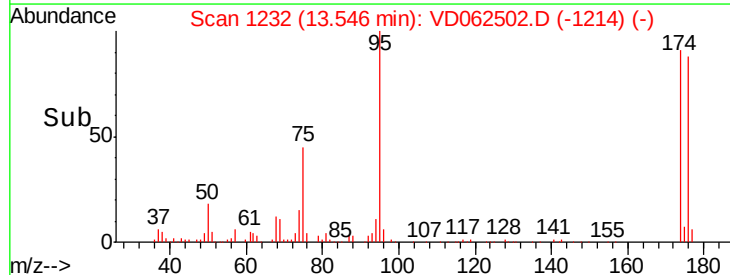
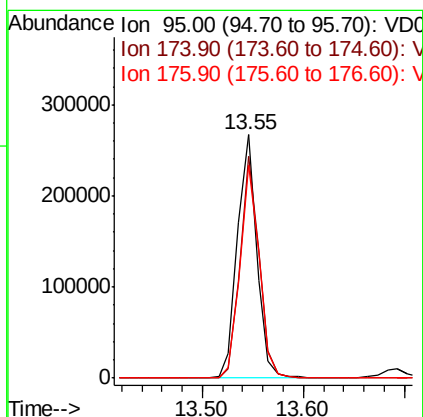
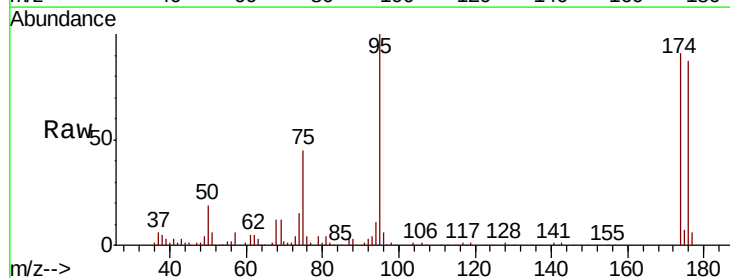
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

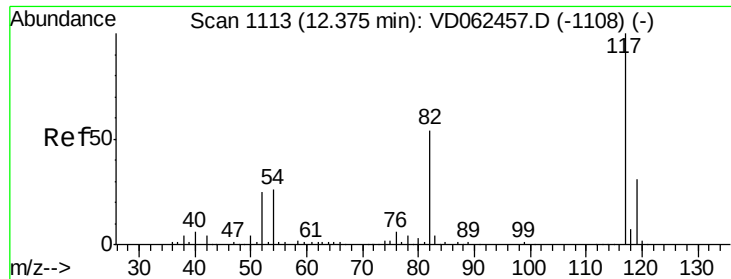
Tot Ion:107 Resp: 92408
 Ion Ratio Lower Upper
 107 100
 109 98.0 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 50.523 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion: 95 Resp: 353746
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 181.8
 176 87.4 0.0 174.4

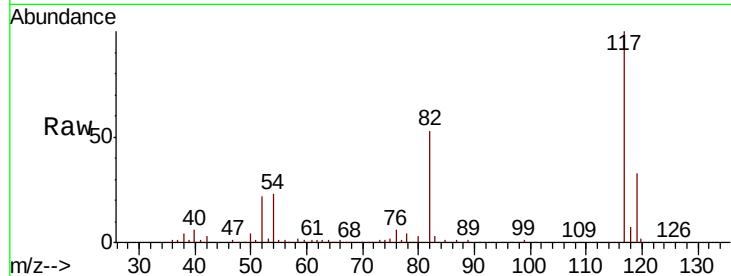




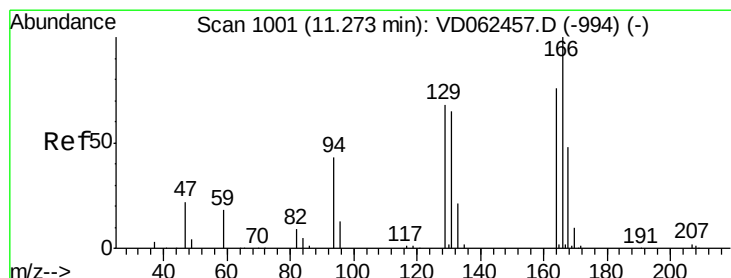
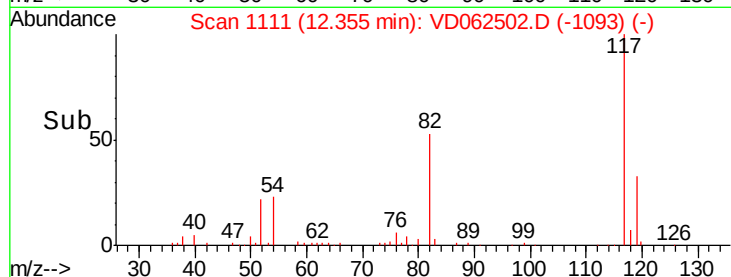
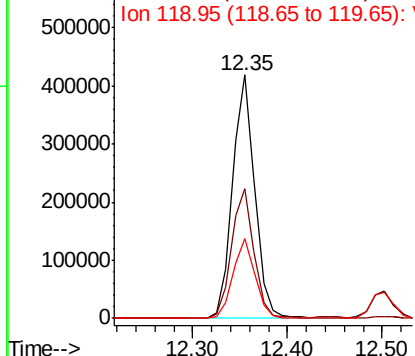
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

Tot Ion:117 Resp: 678019
Ion Ratio Lower Upper
117 100
82 53.3 36.2 54.2
119 33.0 26.2 39.4

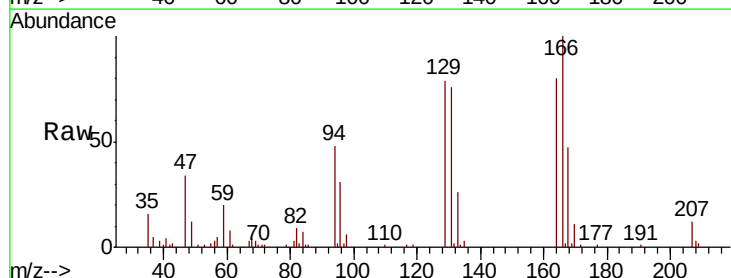


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

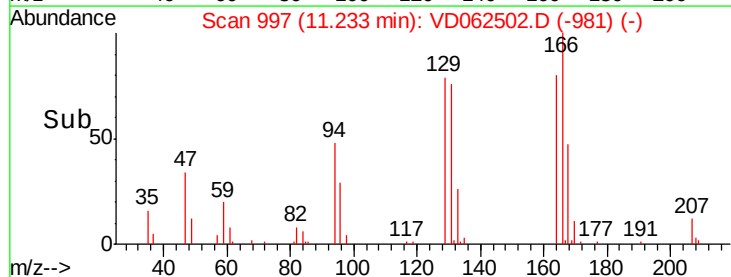
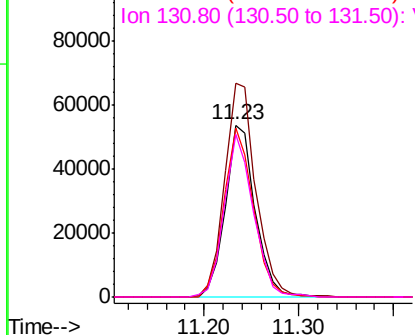


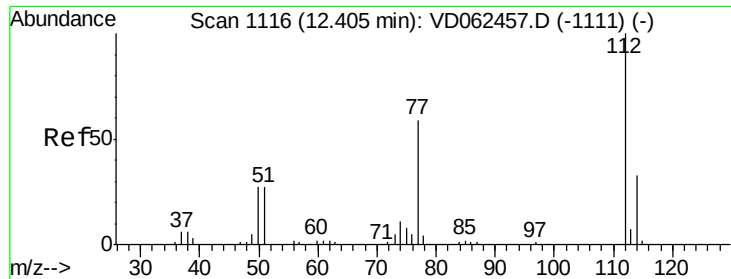
#64
Tetrachloroethene
Concen: 20.583 ug/l
RT: 11.23 min Scan# 997
Delta R.T. -0.04 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion:164 Resp: 116853
Ion Ratio Lower Upper
164 100
166 124.5 101.5 152.3
129 98.7 74.6 112.0
131 94.7 72.6 108.8



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

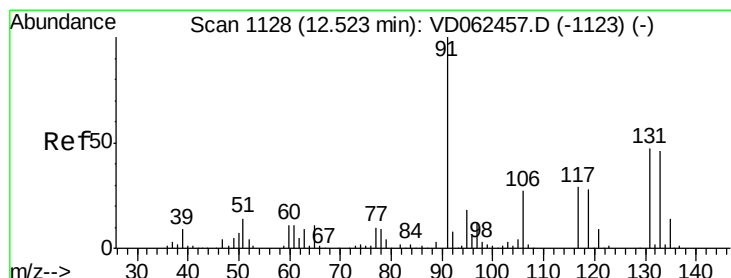
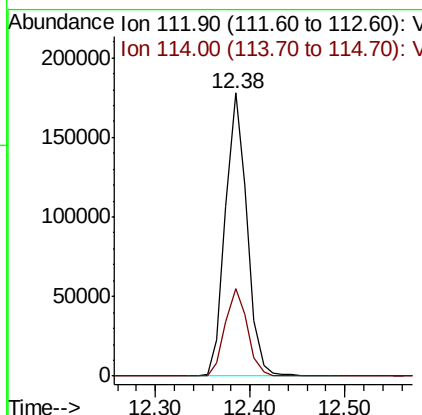
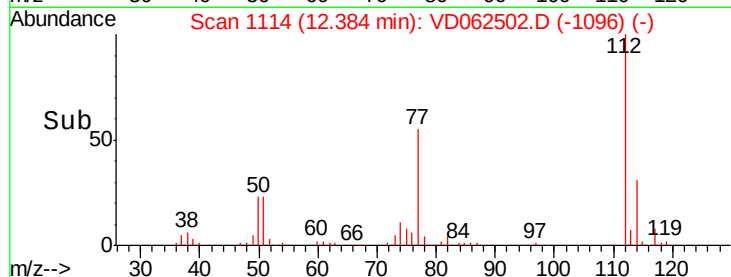
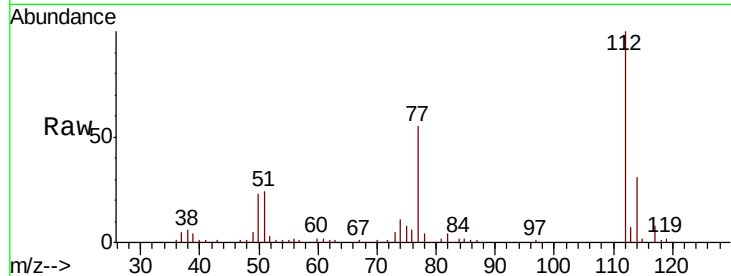




#65
Chlorobenzene
Concen: 21.553 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

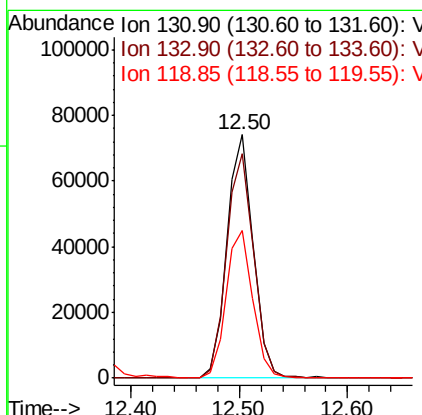
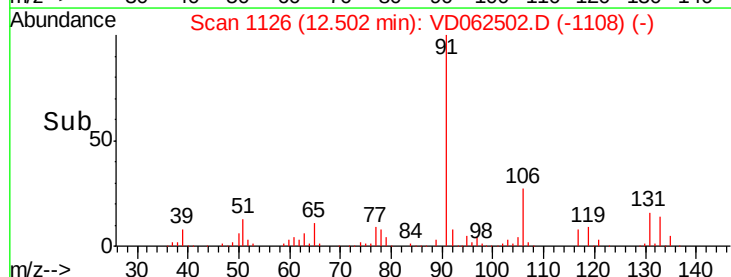
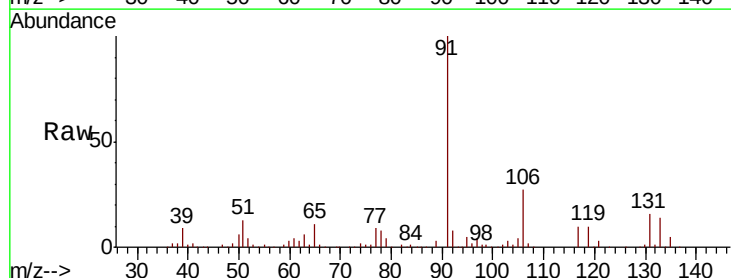
Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

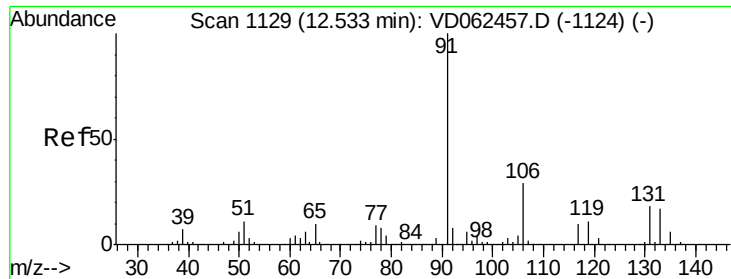
Tot Ion:112 Resp: 281025
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.828 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion:131 Resp: 125356
Ion Ratio Lower Upper
131 100
133 92.4 48.6 145.8
119 60.8 34.7 104.1

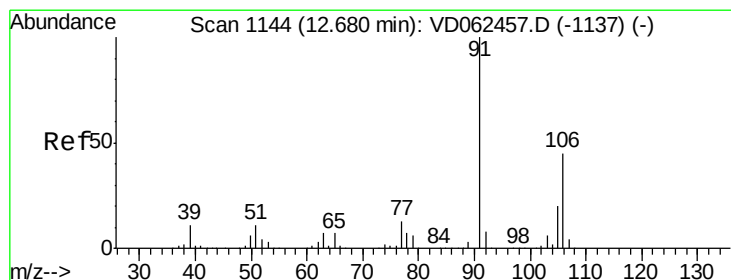
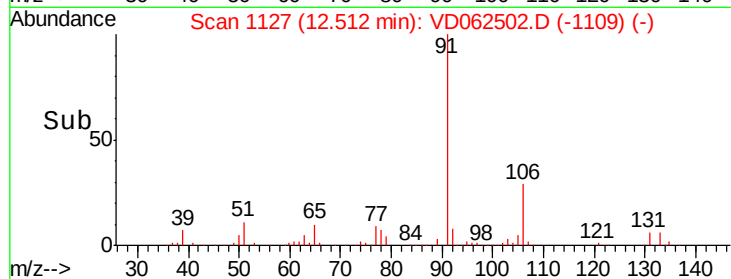
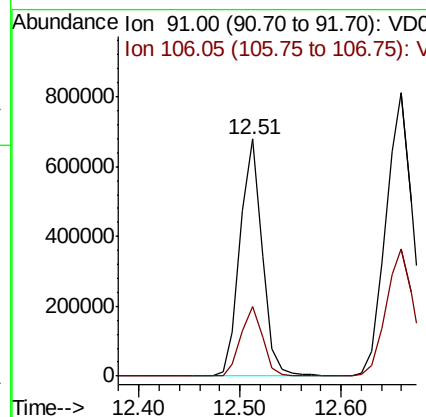
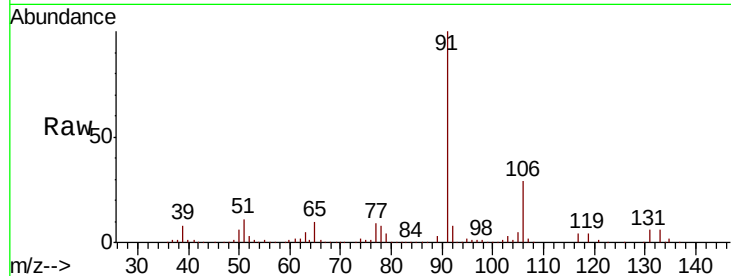




#67
Ethyl Benzene
Concen: 45.981 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

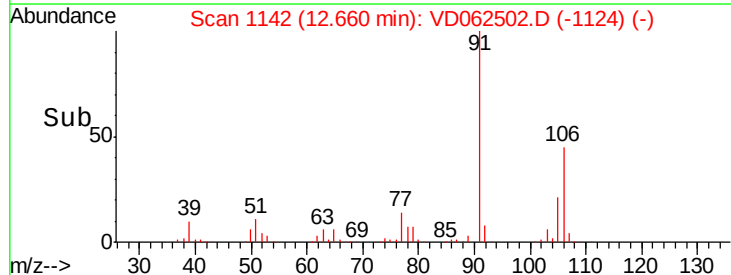
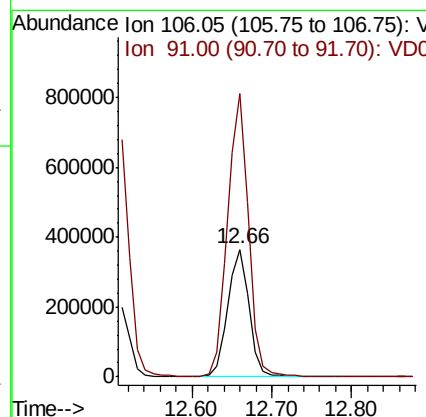
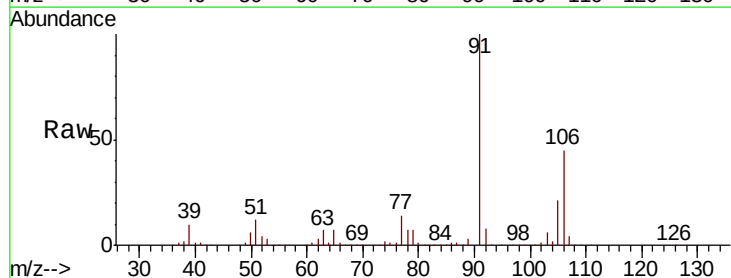
Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

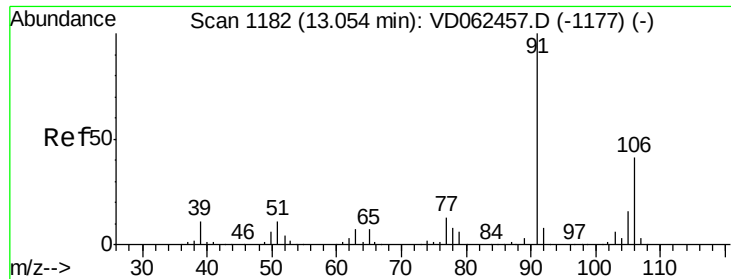
Tot Ion: 91 Resp: 1032643
Ion Ratio Lower Upper
91 100
106 29.2 24.7 37.1



#68
m/p-Xylenes
Concen: 85.347 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion: 106 Resp: 688037
Ion Ratio Lower Upper
106 100
91 221.6 164.0 246.0

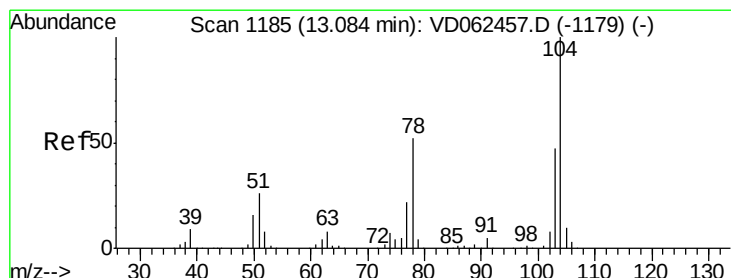
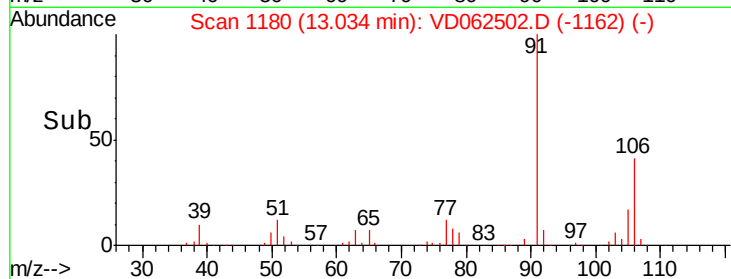
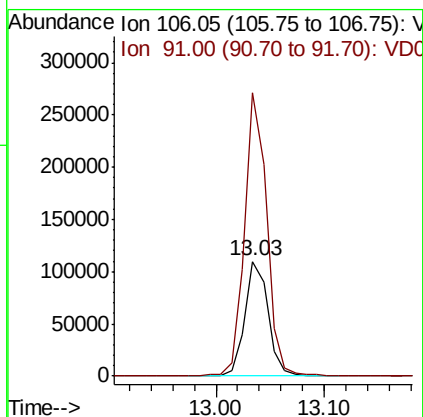
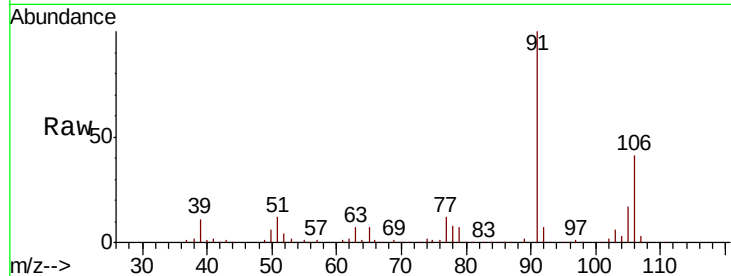




#69
o-Xylene
Concen: 21.571 ug/l
RT: 13.03 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

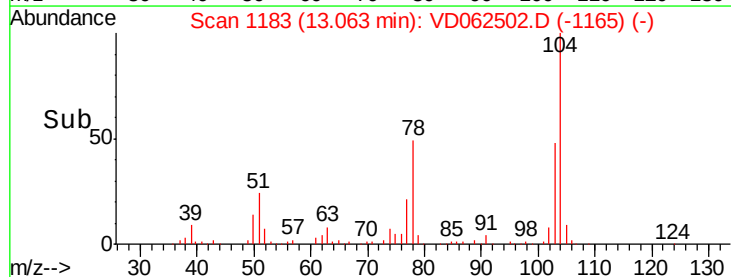
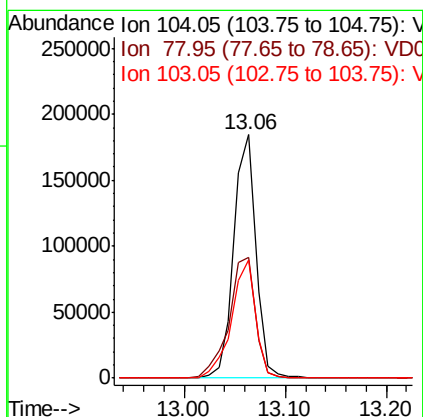
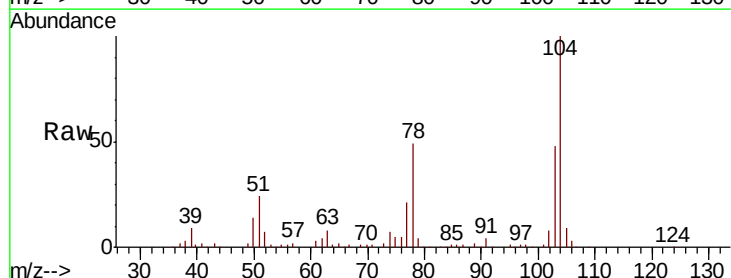
Instrument :
MSVOA_D
ClientSampleId :
VD0522SBS01

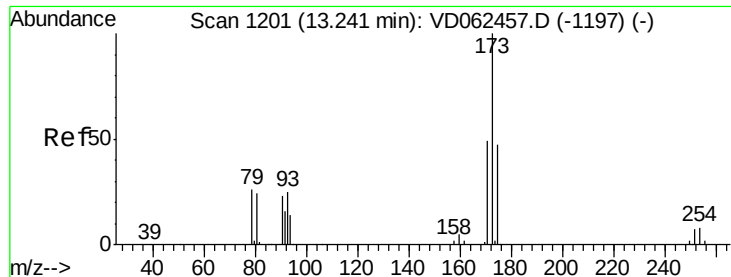
Tot Ion:106 Resp: 164080
Ion Ratio Lower Upper
106 100
91 246.0 106.7 319.9



#70
Styrene
Concen: 21.630 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. -0.02 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion:104 Resp: 279887
Ion Ratio Lower Upper
104 100
78 49.3 35.4 53.2
103 48.4 37.5 56.3





#71

Bromoform

Concen: 18.713 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

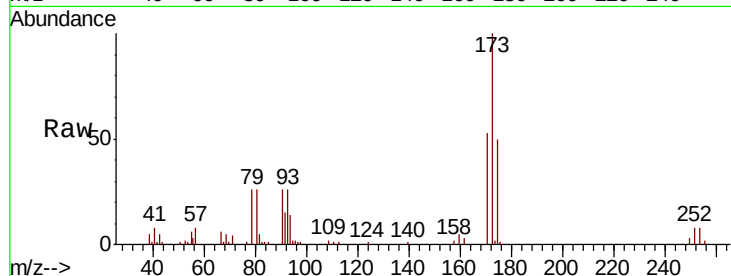
Tot Ion:173 Resp: 74795

Ion Ratio Lower Upper

173 100

175 50.4 24.4 73.4

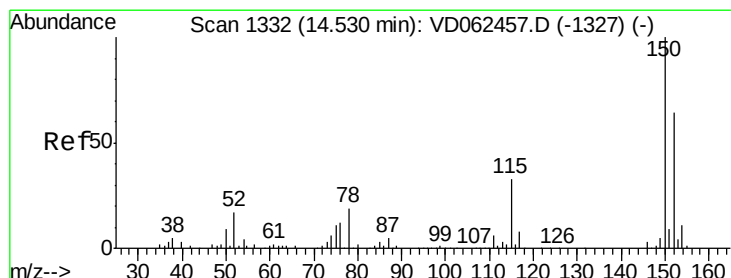
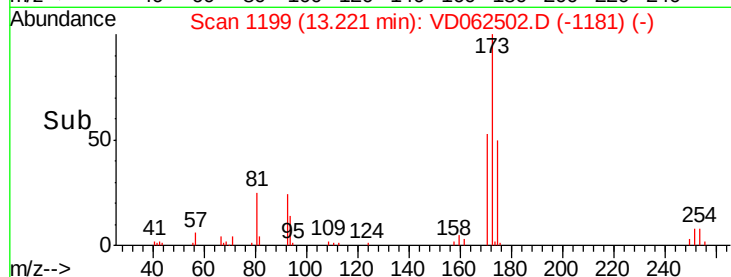
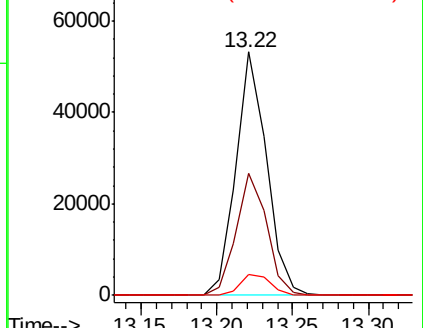
254 8.4 5.4 8.2#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

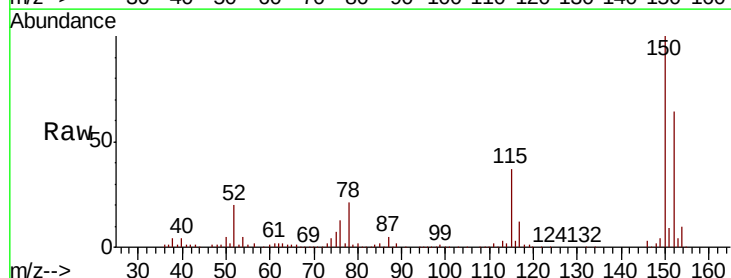
Tgt Ion:152 Resp: 365703

Ion Ratio Lower Upper

152 100

115 56.7 30.9 92.7

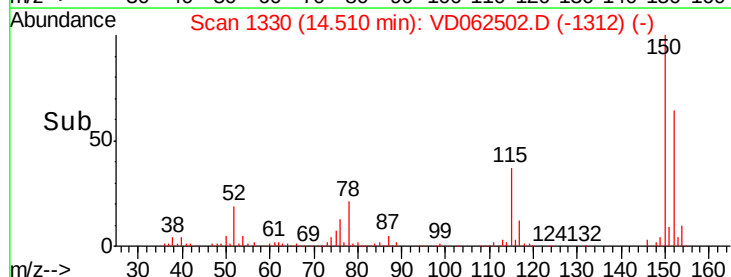
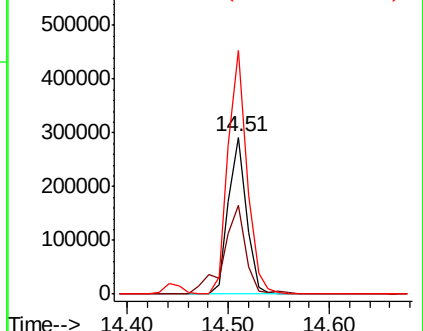
150 155.0 0.0 314.8

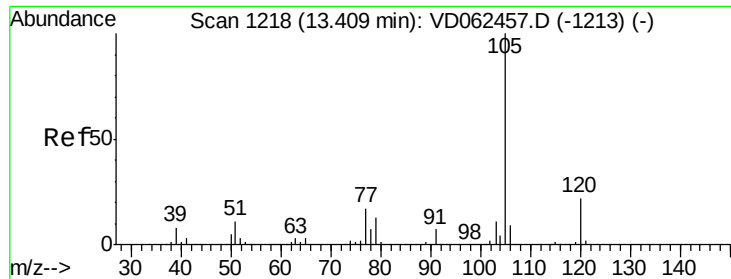


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 27.812 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

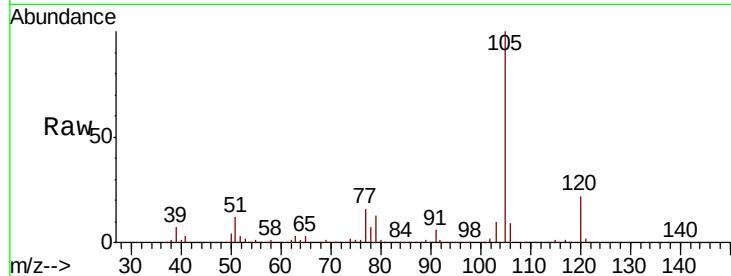
VD0522SBSD01

Tot Ion:105 Resp: 641110

Ion Ratio Lower Upper

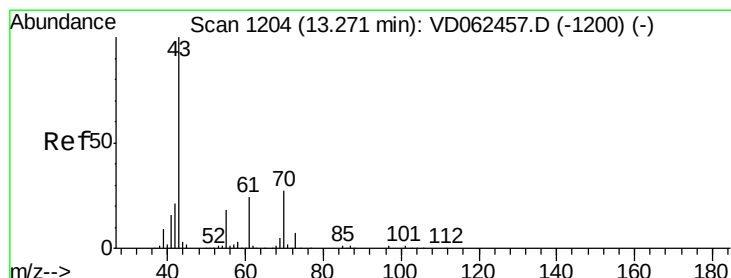
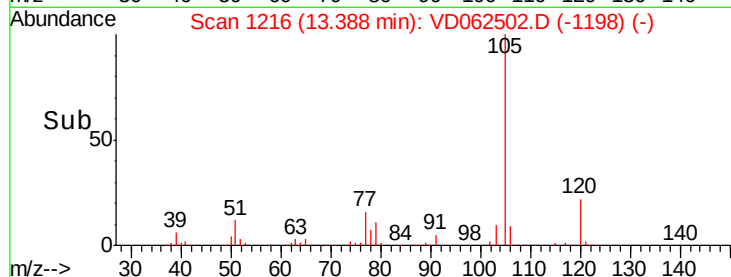
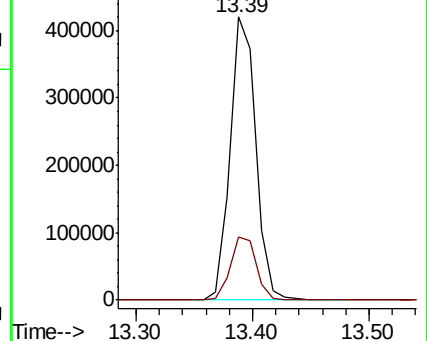
105 100

120 22.2 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.701 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Tgt Ion: 43 Resp: 123550

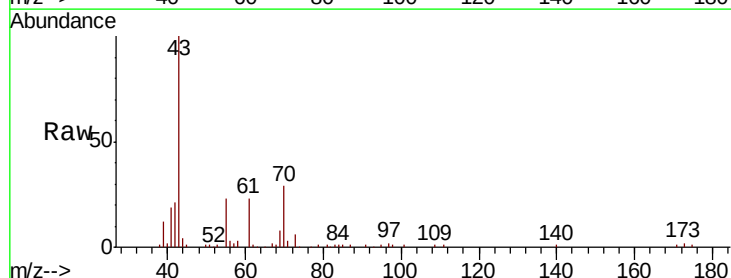
Ion Ratio Lower Upper

43 100

70 28.7 24.2 36.4

55 22.8 16.0 24.0

61 23.2 21.6 32.4

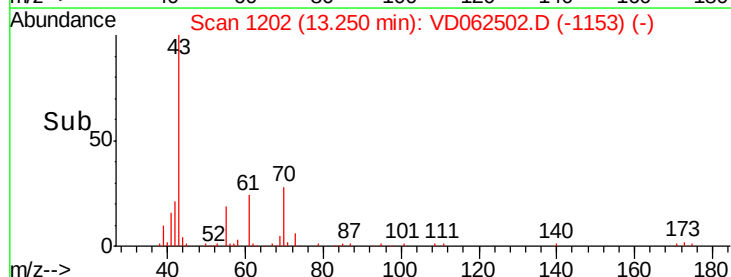
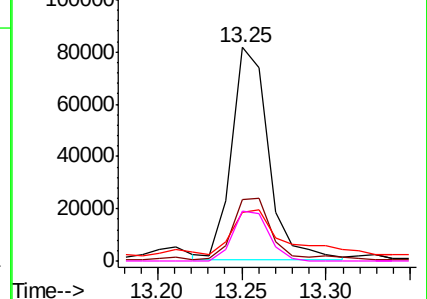


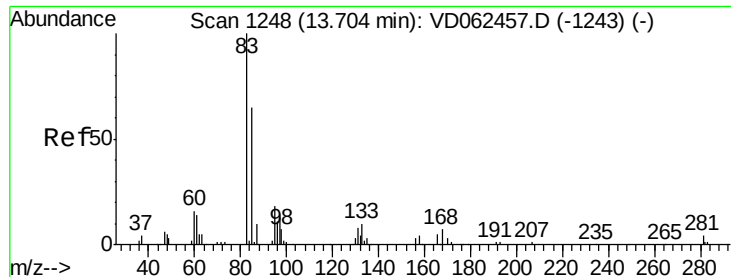
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 20.648 ug/l

RT: 13.68 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

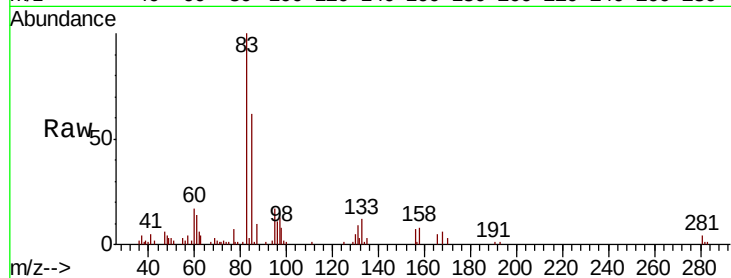
Tot Ion: 83 Resp: 85867

Ion Ratio Lower Upper

83 100

131 8.9 5.0 14.9

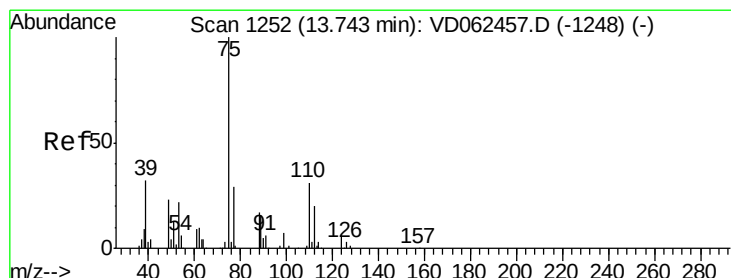
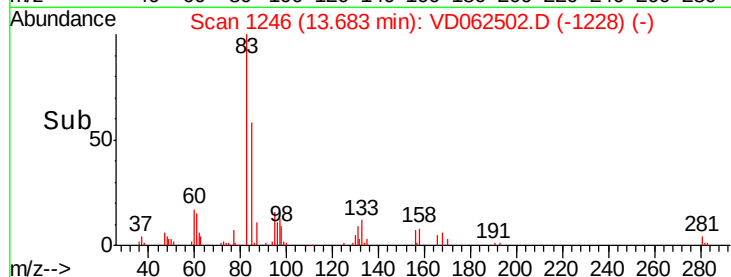
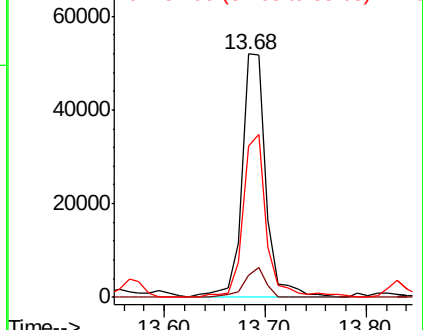
85 62.2 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.853 ug/l

RT: 13.72 min Scan# 1250

Delta R.T. -0.02 min

Lab File: VD062502.D

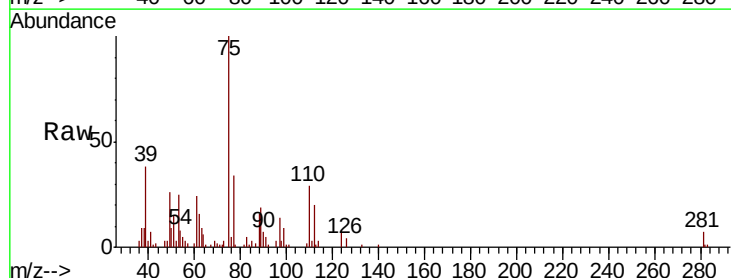
Acq: 22 May 2019 15:00

Tgt Ion: 75 Resp: 85519

Ion Ratio Lower Upper

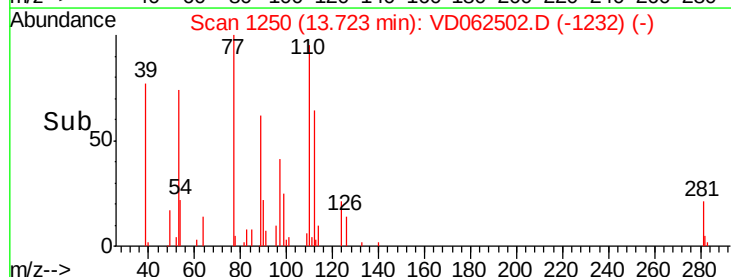
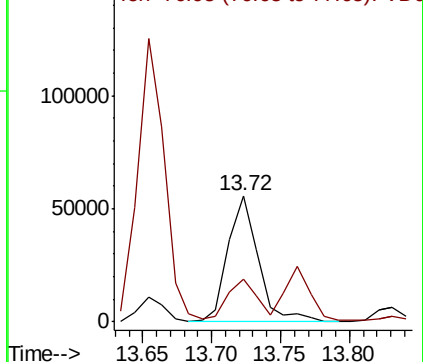
75 100

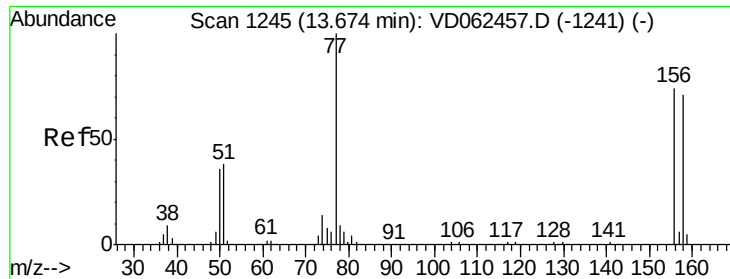
77 34.1 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.579 ug/l

RT: 13.65 min Scan# 1243

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

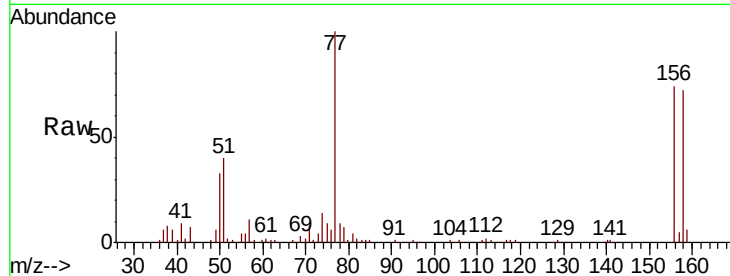
Tot Ion:156 Resp: 141107

Ion Ratio Lower Upper

156 100

77 134.8 53.1 159.4

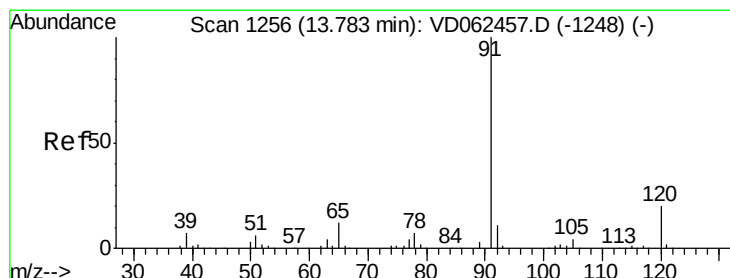
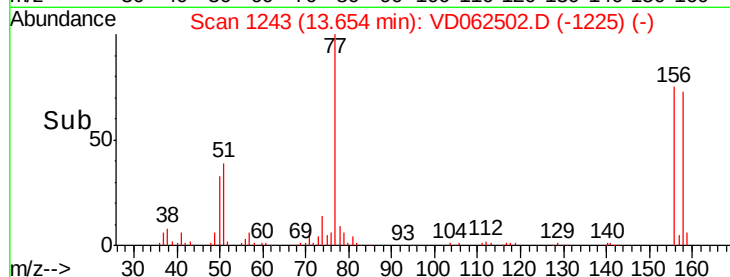
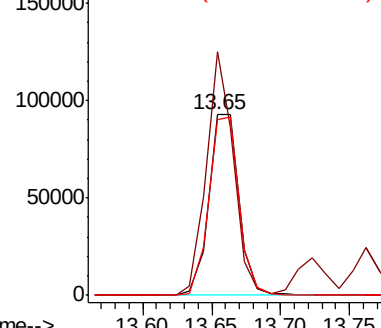
158 97.3 49.4 148.0



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: 26.237 ug/l

RT: 13.76 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD062502.D

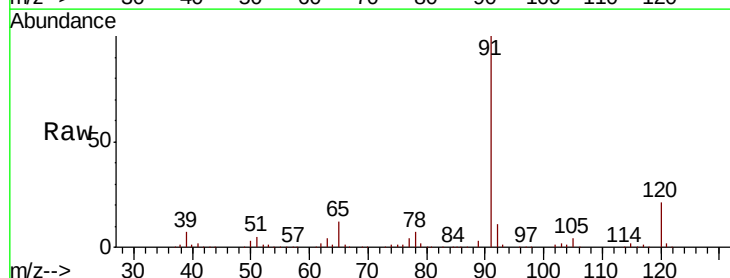
Acq: 22 May 2019 15:00

Tgt Ion: 91 Resp: 700557

Ion Ratio Lower Upper

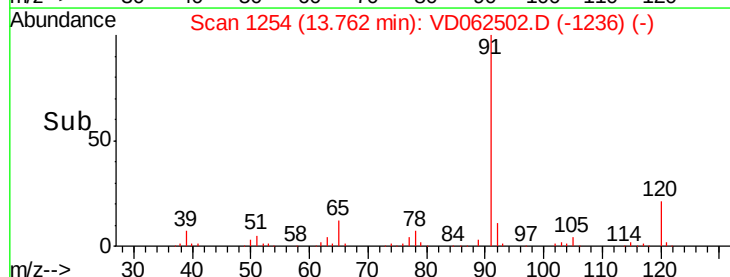
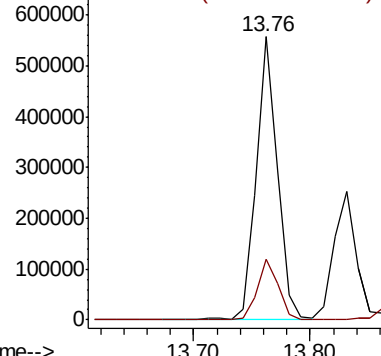
91 100

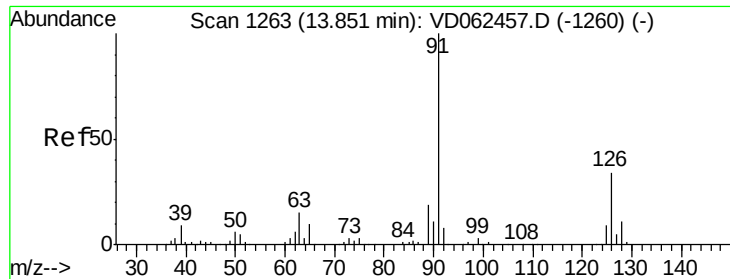
120 21.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

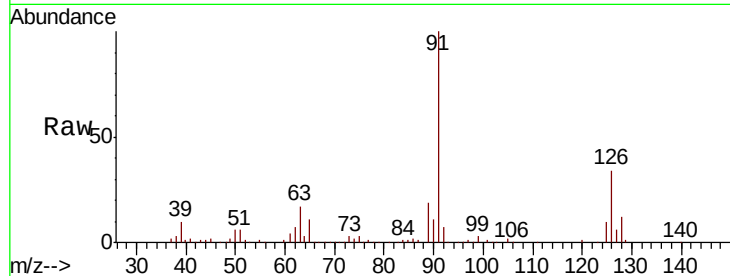




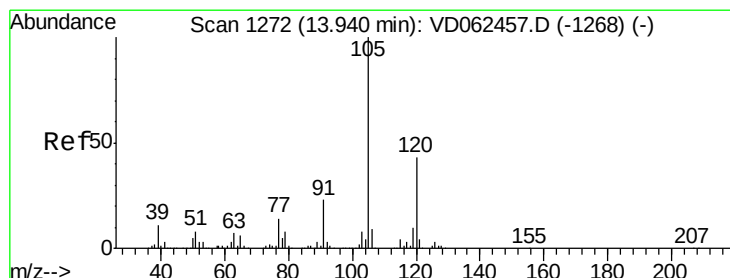
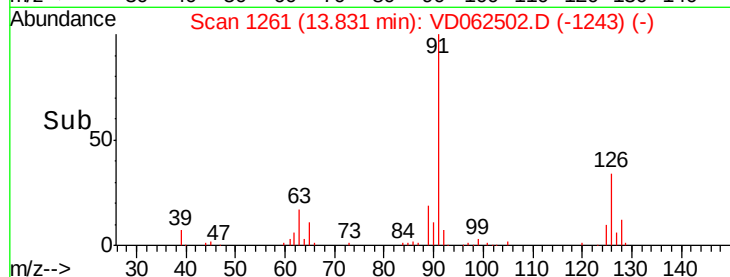
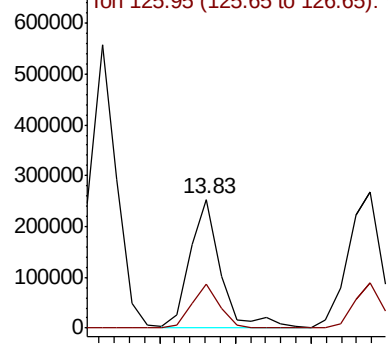
#79
 2-Chlorotoluene
 Concen: 22.195 ug/l
 RT: 13.83 min Scan# 1261
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

Tot Ion: 91 Resp: 359648
 Ion Ratio Lower Upper
 91 100
 126 33.9 18.6 55.8

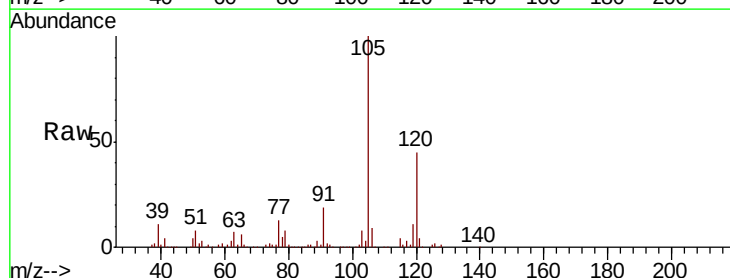


Abundance Ion 91.00 (90.70 to 91.70): VD062457.D (-1260) (-)
 Ion 125.95 (125.65 to 126.65): VD062457.D (-1260) (-)

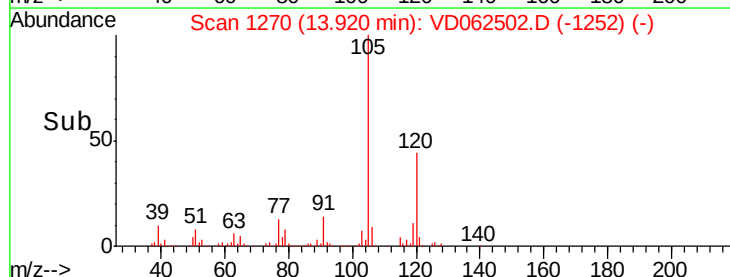
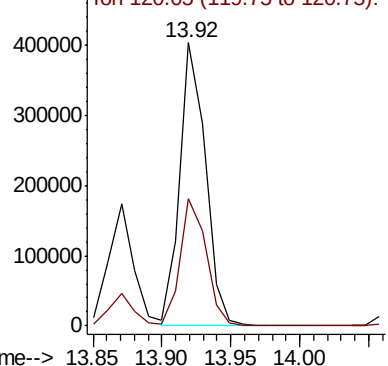


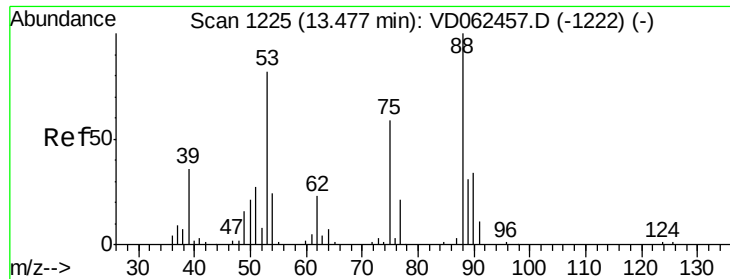
#80
 1,3,5-Trimethylbenzene
 Concen: 26.213 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion: 105 Resp: 523194
 Ion Ratio Lower Upper
 105 100
 120 44.8 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD062457.D (-1268) (-)
 Ion 120.05 (119.75 to 120.75): VD062457.D (-1268) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.996 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

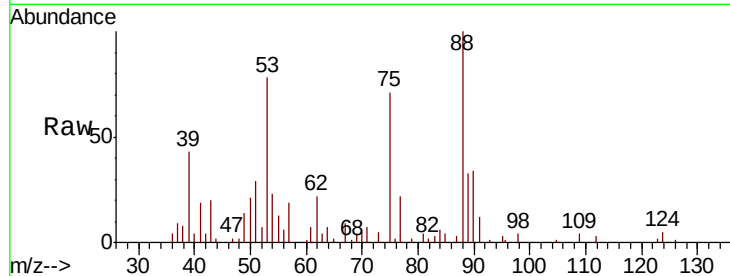
Tot Ion: 75 Resp: 26722

Ion Ratio Lower Upper

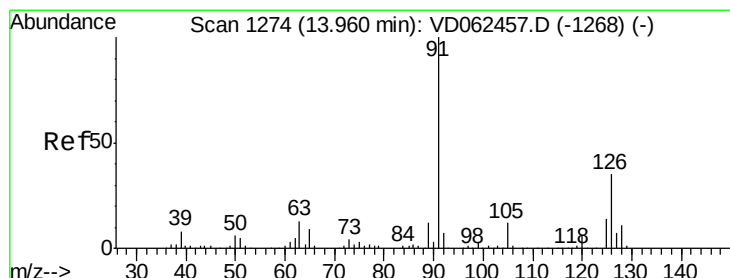
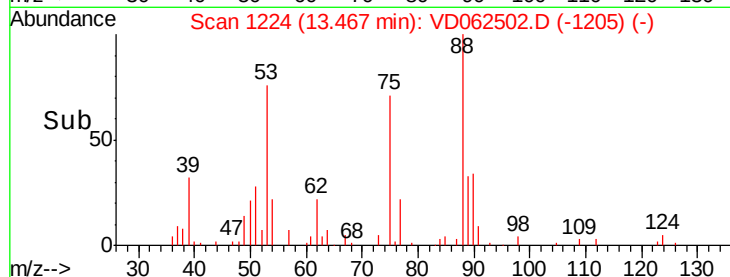
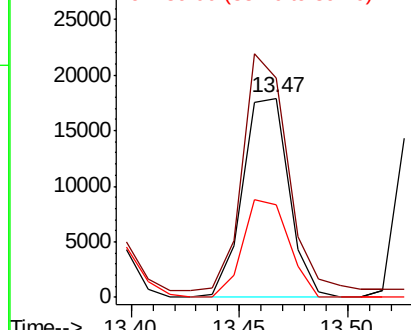
75 100

53 109.7 65.8 98.8#

89 46.2 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.576 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VD062502.D

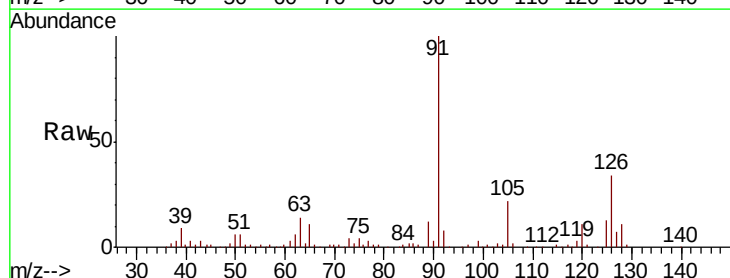
Acq: 22 May 2019 15:00

Tgt Ion: 91 Resp: 402640

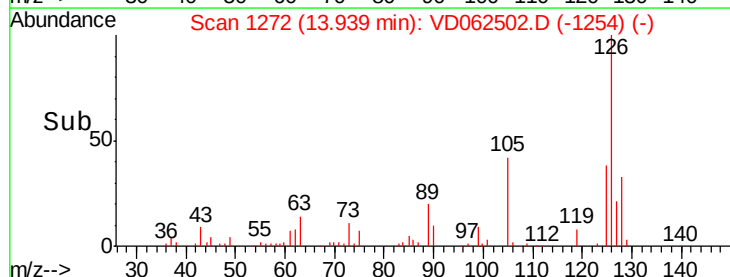
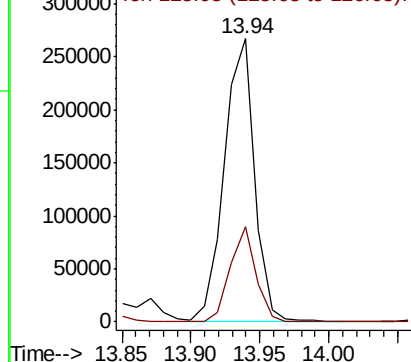
Ion Ratio Lower Upper

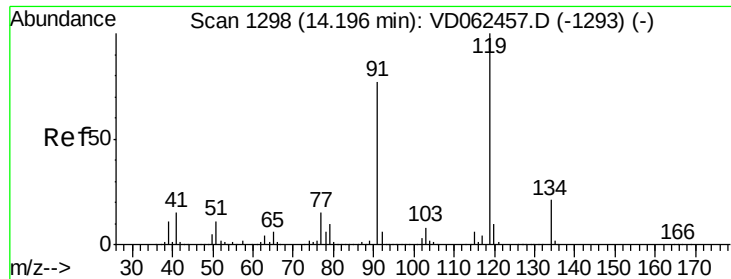
91 100

126 33.5 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

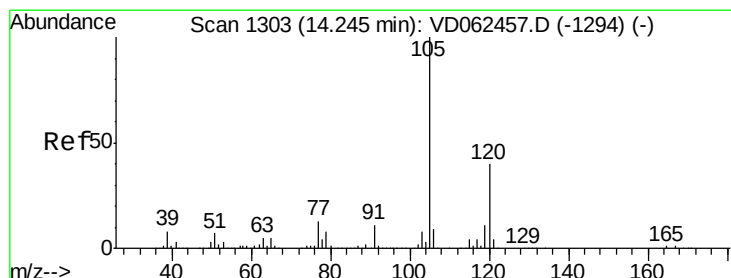
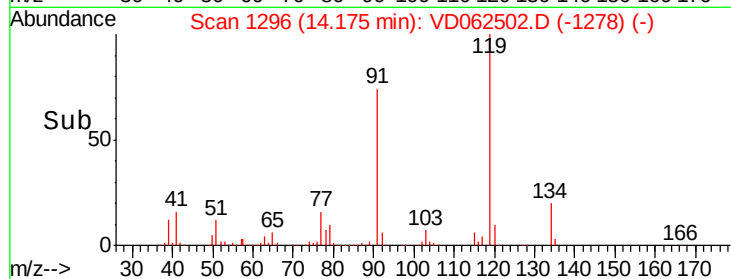
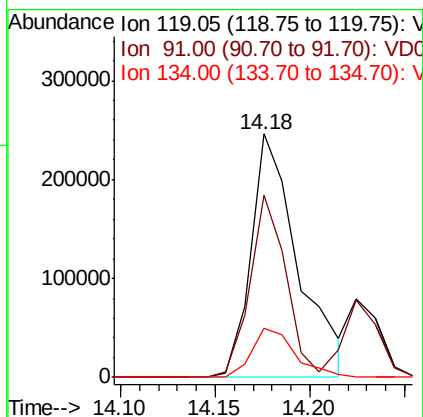
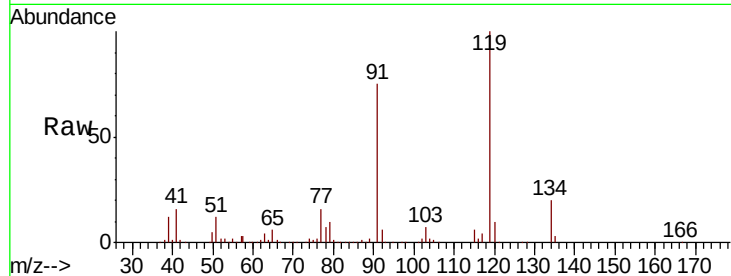




#83
 tert-Butylbenzene
 Concen: 19.155 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

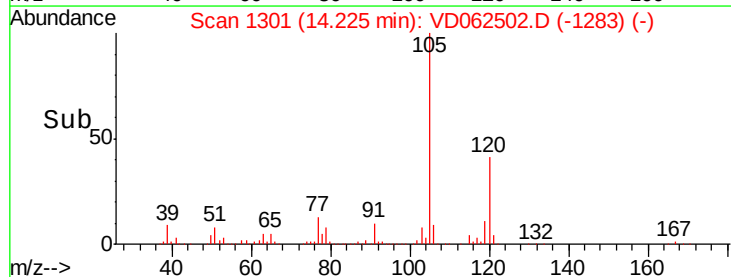
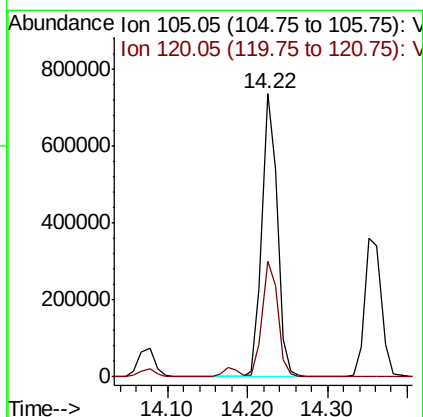
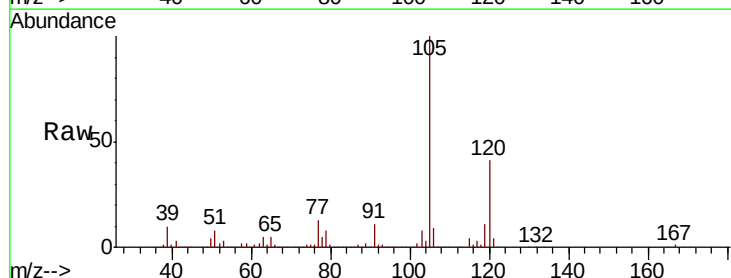
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

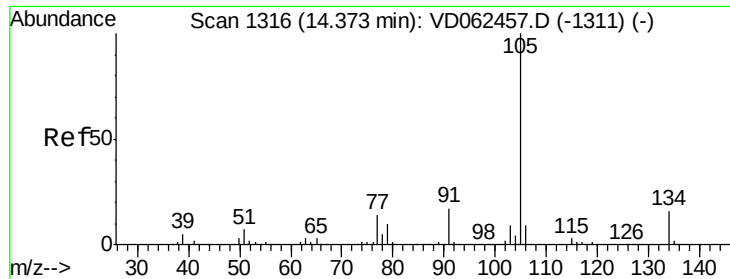
Tot Ion:119 Resp: 424090
 Ion Ratio Lower Upper
 119 100
 91 74.7 34.2 102.6
 134 20.2 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 47.568 ug/l
 RT: 14.22 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion:105 Resp: 972850
 Ion Ratio Lower Upper
 105 100
 120 41.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 22.499 ug/l

RT: 14.35 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

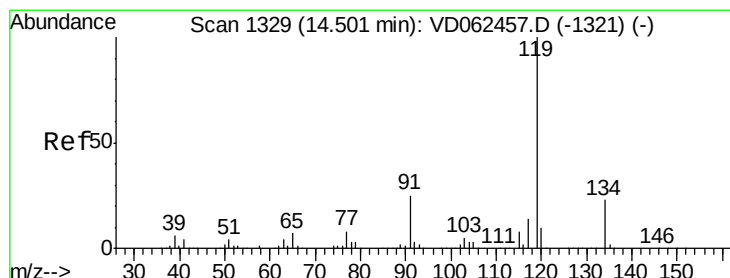
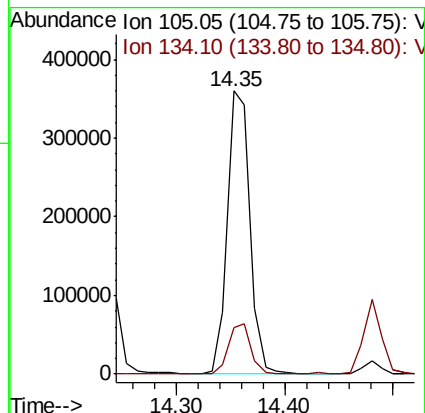
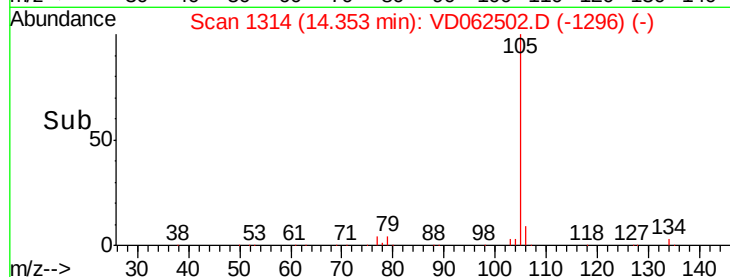
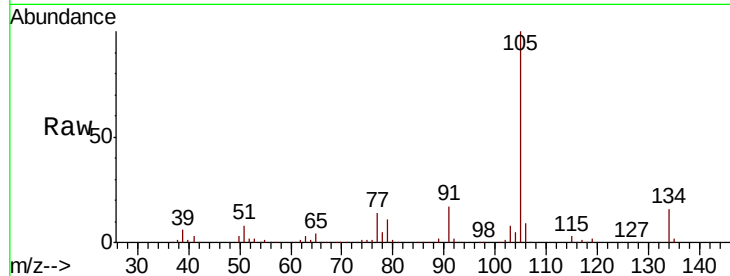
VD0522SBSD01

Tot Ion:105 Resp: 519397

Ion Ratio Lower Upper

105 100

134 16.5 8.9 26.7



#86

p-Isopropyltoluene

Concen: 23.065 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

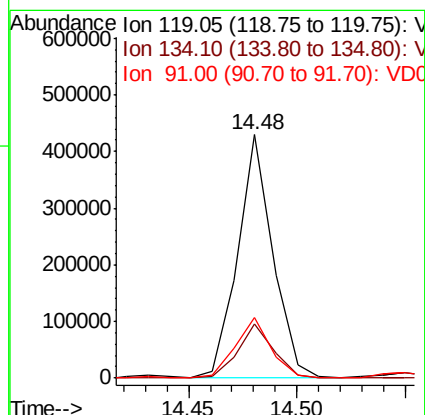
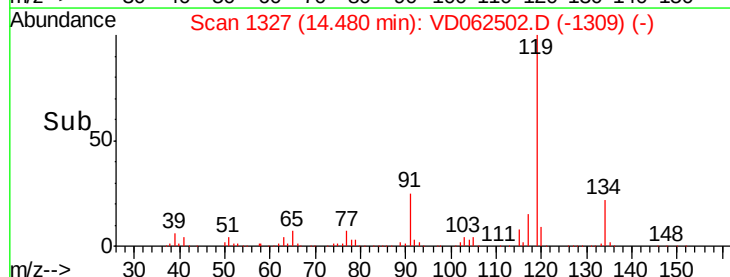
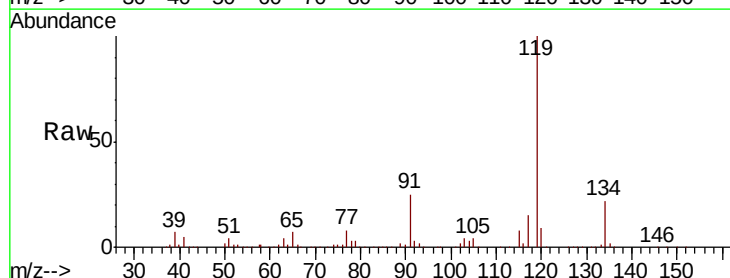
Tgt Ion:119 Resp: 482523

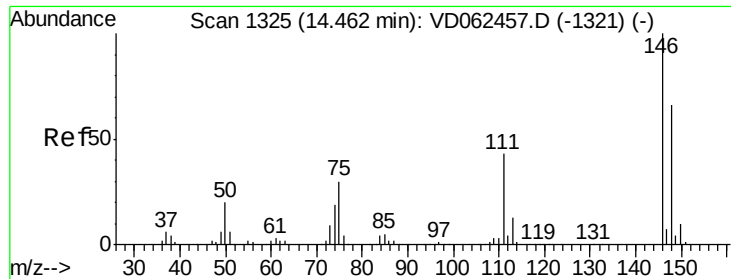
Ion Ratio Lower Upper

119 100

134 22.1 12.8 38.3

91 25.0 10.7 32.1

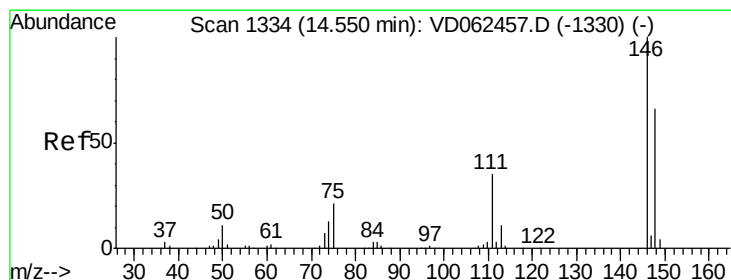
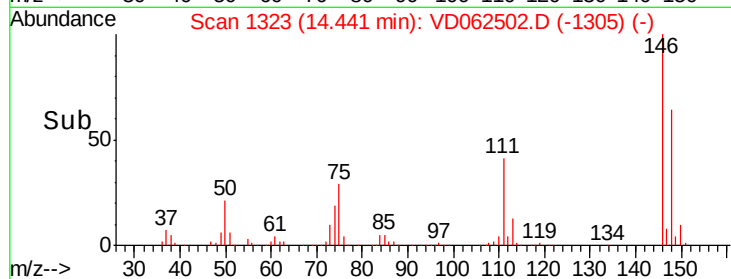
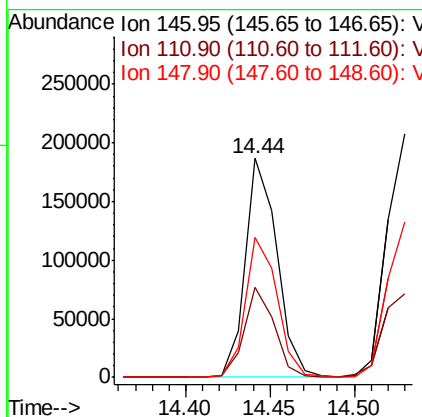
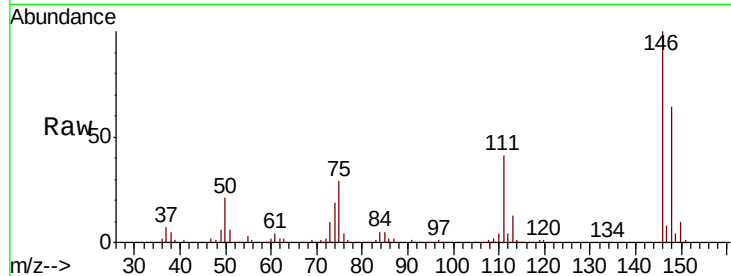




#87
 1,3-Dichlorobenzene
 Concen: 21.104 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

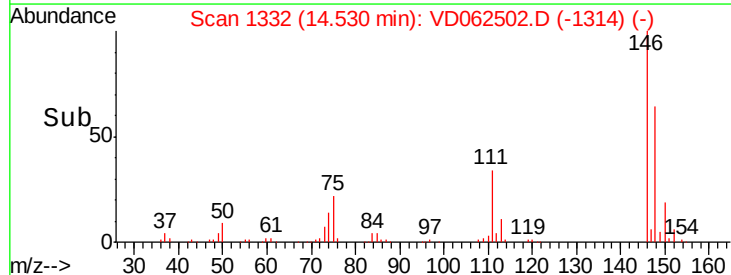
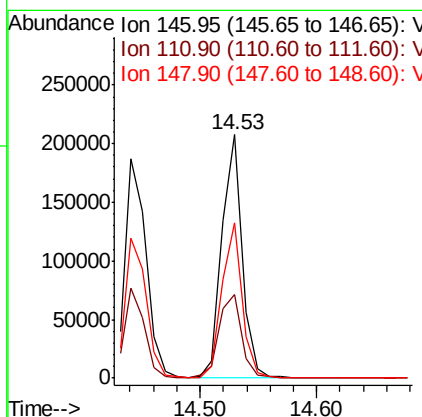
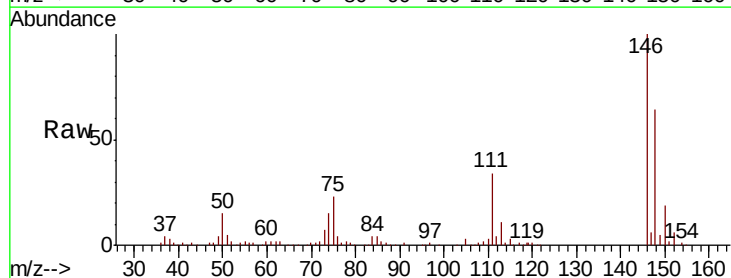
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

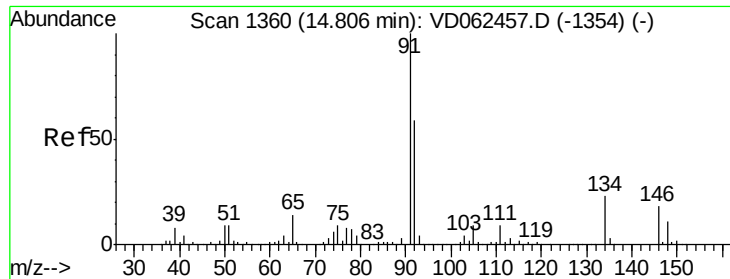
Tot Ion:146 Resp: 243711
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.0 60.0
 148 64.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 22.486 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion:146 Resp: 250568
 Ion Ratio Lower Upper
 146 100
 111 34.1 20.2 60.5
 148 63.6 32.0 96.2





#89

n-Butylbenzene

Concen: 19.189 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBS01

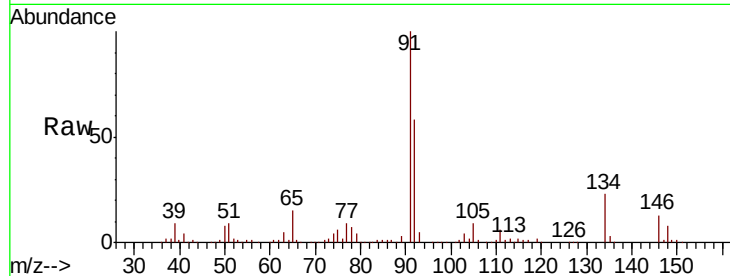
Tot Ion: 91 Resp: 387418

Ion Ratio Lower Upper

91 100

92 58.3 30.3 91.0

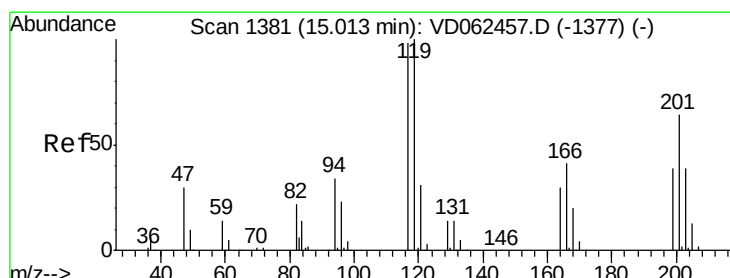
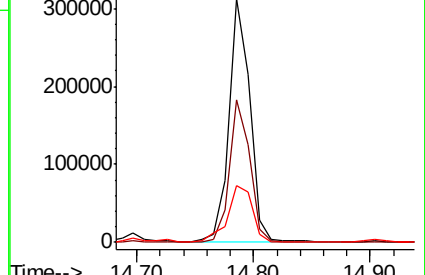
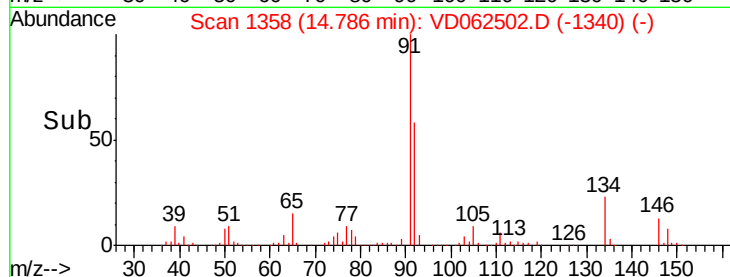
134 23.4 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 18.776 ug/l

RT: 15.00 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD062502.D

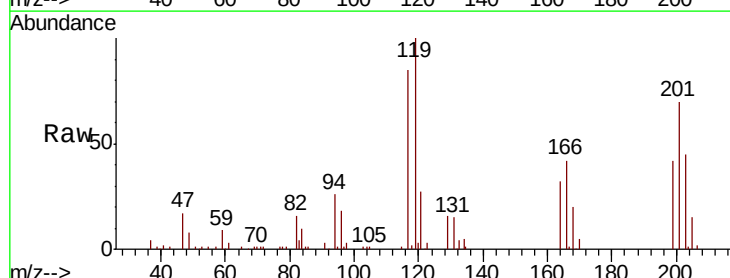
Acq: 22 May 2019 15:00

Tgt Ion: 117 Resp: 108555

Ion Ratio Lower Upper

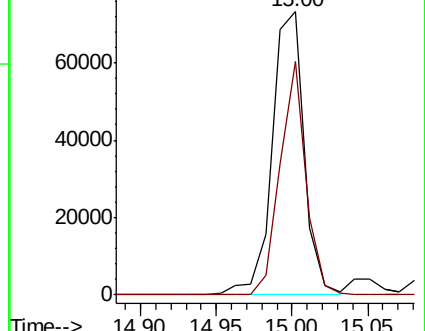
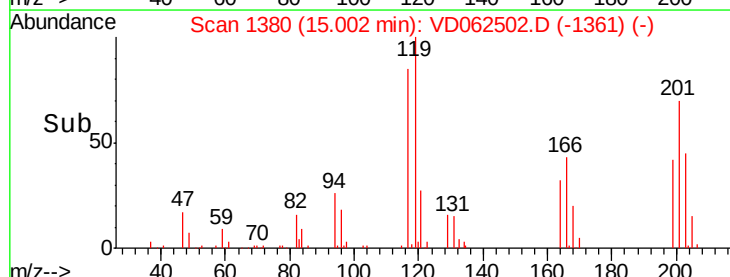
117 100

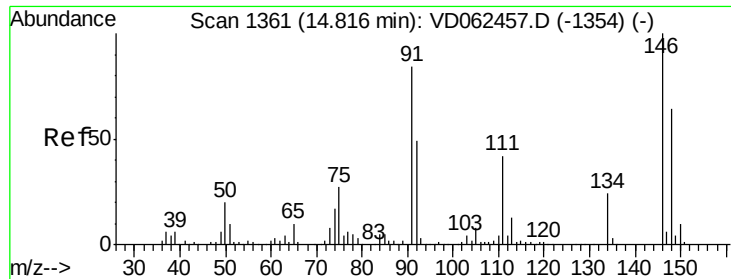
201 82.4 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 19.616 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0522SBSD01

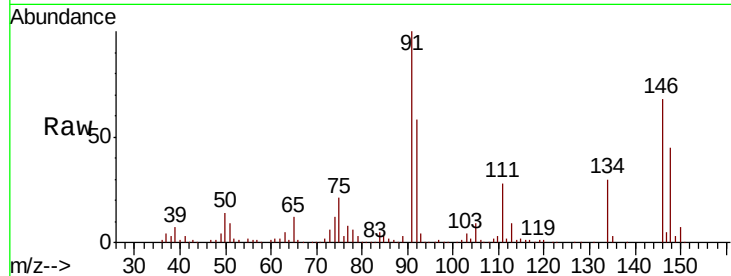
Tot Ion:146 Resp: 192618

Ion Ratio Lower Upper

146 100

111 41.6 20.0 59.9

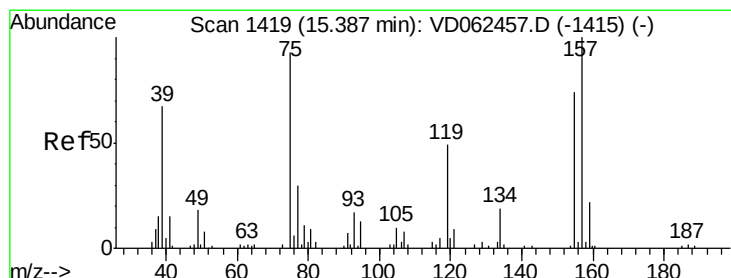
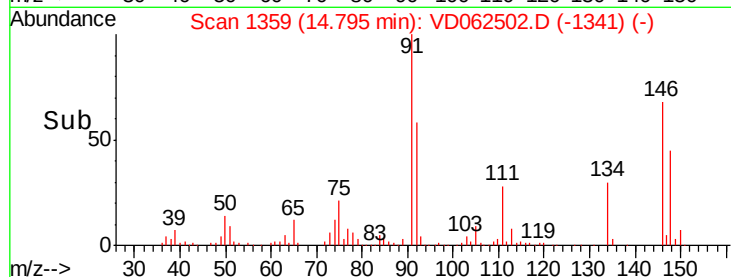
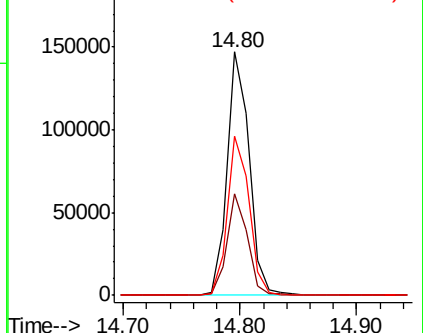
148 65.6 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.101 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VD062502.D

Acq: 22 May 2019 15:00

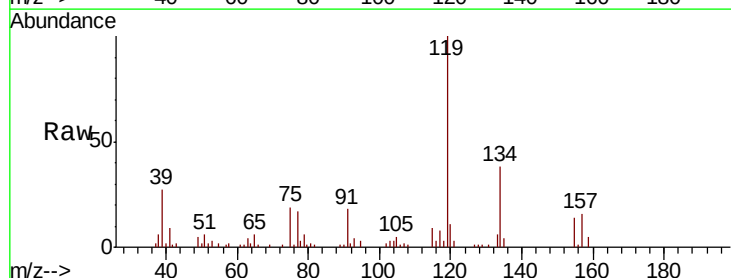
Tgt Ion: 75 Resp: 13499

Ion Ratio Lower Upper

75 100

155 73.5 55.3 165.8

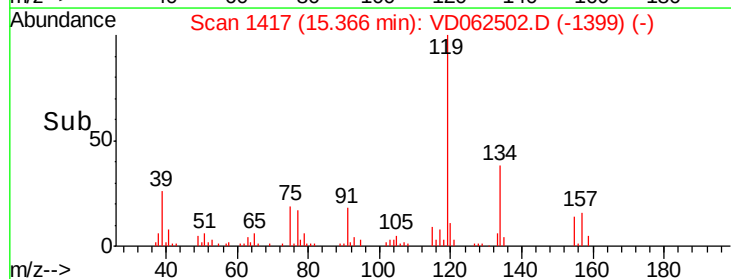
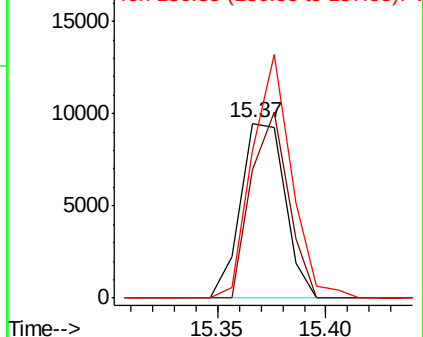
157 84.4 67.8 203.2

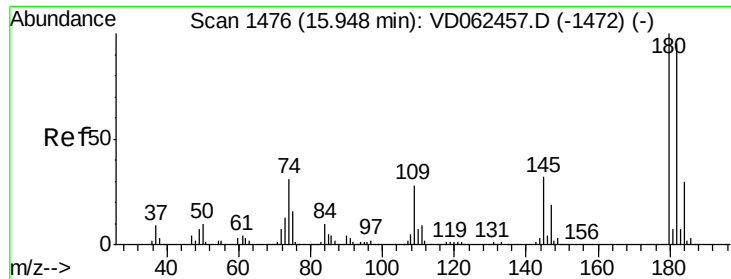


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

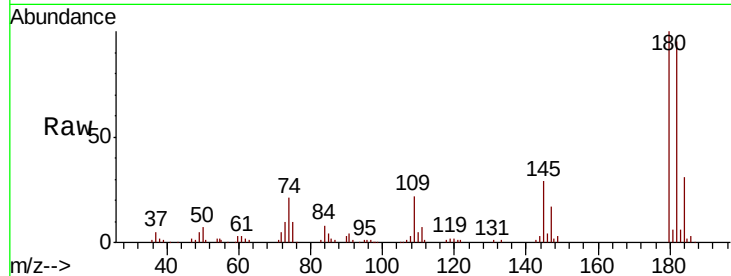




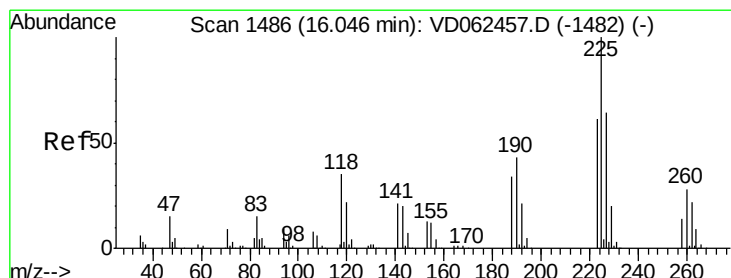
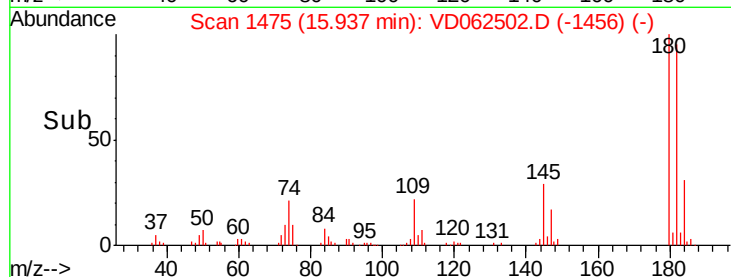
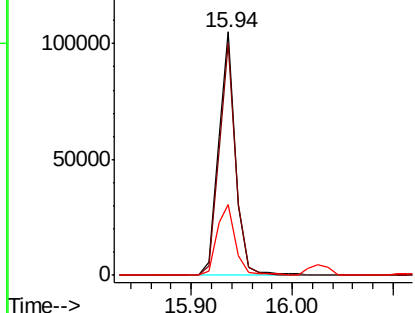
#93
 1,2,4-Trichlorobenzene
 Concen: 15.929 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	49.3	147.8
145	28.9	16.2	48.6

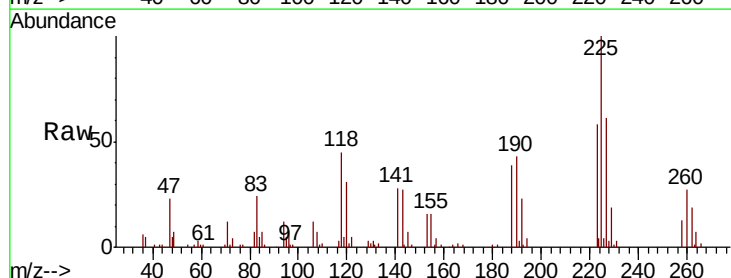


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

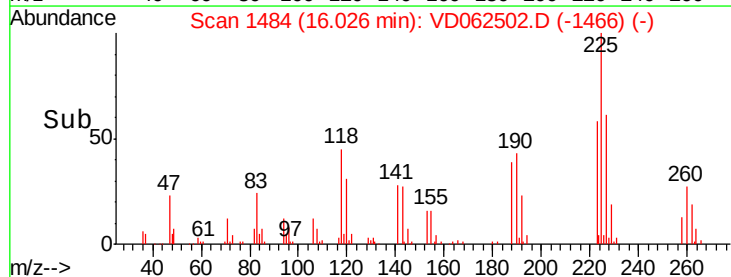
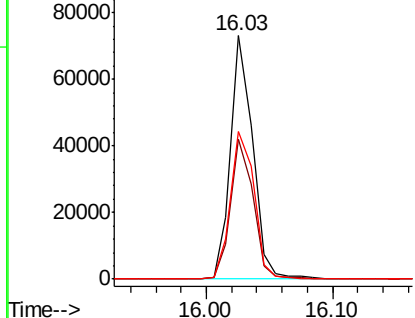


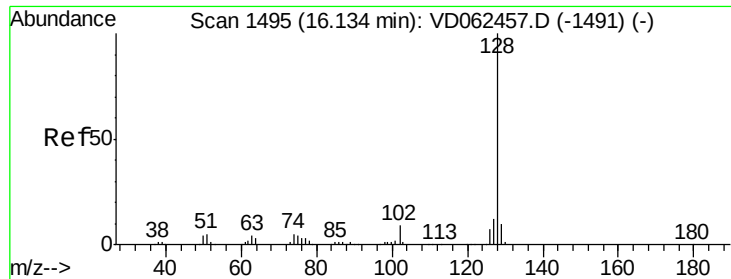
#94
 Hexachlorobutadiene
 Concen: 15.521 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.02 min
 Lab File: VD062502.D
 Acq: 22 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.7	30.6	92.0
227	60.5	32.0	96.2



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

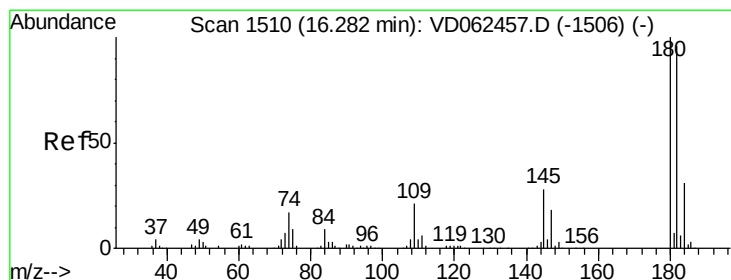
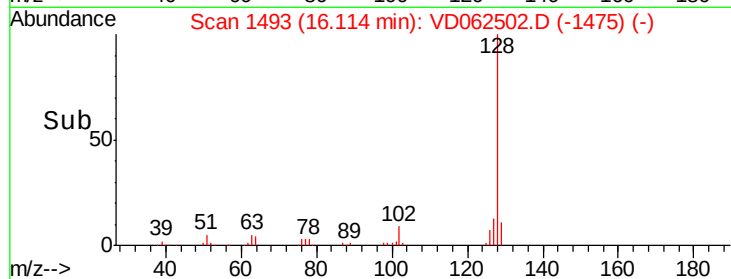
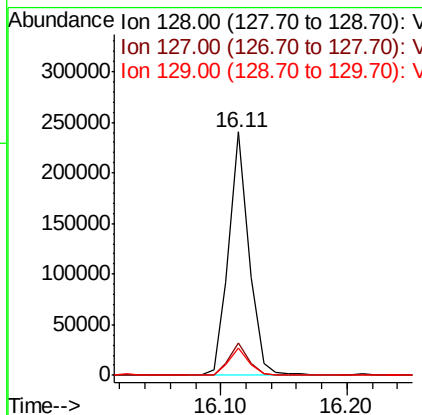
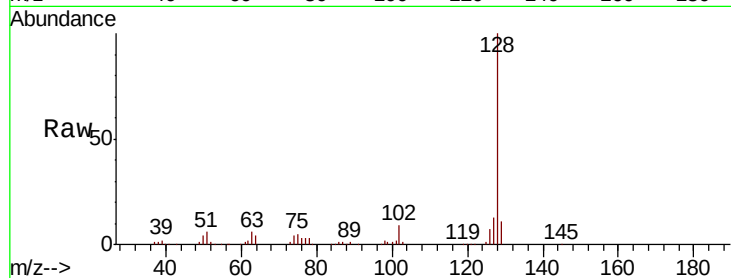




#95
Naphthalene
Concen: 25.366 ug/l
RT: 16.11 min Scan# 1493
Delta R.T. -0.02 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0522SBSD01

Tot Ion:128 Resp: 267981
Ion Ratio Lower Upper
128 100
127 13.3 9.8 14.8
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 15.608 ug/l
RT: 16.26 min Scan# 1508
Delta R.T. -0.02 min
Lab File: VD062502.D
Acq: 22 May 2019 15:00

Tgt Ion:180 Resp: 98933
Ion Ratio Lower Upper
180 100
182 94.9 47.0 141.0
145 33.5 17.0 51.0

