

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062390.D
 Acq On : 15 May 2019 16:10
 Operator : FY/SY
 Sample : VD0515SBS01
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Quant Time: May 16 03:57:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	646128	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	906070	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	676408	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	405912	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	320583	53.39	ug/l	0.04
Spiked Amount	50.000		Recovery	=	106.78%	
35) Dibromofluoromethane	6.93	113	373240	49.65	ug/l	0.04
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	10.41	98	764401	42.17	ug/l	0.02
Spiked Amount	50.000		Recovery	=	84.34%	
62) 4-Bromofluorobenzene	13.56	95	334763	45.99	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	94547	15.300	ug/l	99
3) Chloromethane	1.74	50	67823	15.189	ug/l	98
4) Vinyl Chloride	1.84	62	71838	16.370	ug/l	98
5) Bromomethane	2.15	94	23607	22.958	ug/l	92
6) Chloroethane	2.24	64	35813	19.449	ug/l	100
7) Trichlorofluoromethane	2.52	101	177452	20.799	ug/l	99
8) Diethyl Ether	2.87	74	24882	15.122	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.14	101	122269	18.945	ug/l	97
10) Methyl Iodide	3.30	142	127887	13.111	ug/l #	83
11) Tert butyl alcohol	4.07	59	29089	94.907	ug/l #	88
12) 1,1-Dichloroethene	3.12	96	82732	16.793	ug/l	84
13) Acrolein	3.03	56	23551	74.290	ug/l	96
14) Allyl chloride	3.62	41	135920	18.975	ug/l	85
15) Acrylonitrile	4.19	53	77514	96.217	ug/l	92
16) Acetone	3.22	43	137448	109.153	ug/l #	84
17) Carbon Disulfide	3.37	76	202328	14.276	ug/l	100
18) Methyl Acetate	3.64	43	45405	19.979	ug/l #	88
19) Methyl tert-butyl Ether	4.23	73	220304	20.862	ug/l	92
20) Methylene Chloride	3.81	84	96979	18.445	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	96959	17.686	ug/l	96
22) Diisopropyl ether	5.12	45	289620	19.000	ug/l #	95
23) Vinyl Acetate	5.06	43	847998	105.439	ug/l	96
24) 1,1-Dichloroethane	4.98	63	173515	18.869	ug/l	99
25) 2-Butanone	6.07	43	136241	99.192	ug/l #	90
26) 2,2-Dichloropropane	6.02	77	189786	20.719	ug/l	89
27) cis-1,2-Dichloroethene	6.04	96	107078	17.450	ug/l	97
28) Bromochloromethane	6.44	49	89227	24.663	ug/l	90
29) Tetrahydrofuran	6.47	42	64411	101.779	ug/l	93
30) Chloroform	6.67	83	220175	19.867	ug/l	95
31) Cyclohexane	6.96	56	109349	17.357	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	219342	20.940	ug/l	98
36) 1,1-Dichloropropene	7.14	75	141008	18.981	ug/l #	90
37) Ethyl Acetate	6.18	43	65072	20.654	ug/l	94
38) Carbon Tetrachloride	7.12	117	198736	19.328	ug/l	97

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 Data File : VD062390.D
 Acq On : 15 May 2019 16:10
 Operator : FY/SY
 Sample : VD0515SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0515SBS01

Quant Time: May 16 03:57:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	110768	15.562	ug/l	93
40) Benzene	7.46	78	297221	17.718	ug/l	97
41) Methacrylonitrile	6.45	41	83017	21.563	ug/l #	83
42) 1,2-Dichloroethane	7.59	62	145698	20.499	ug/l	91
43) Isopropyl Acetate	9.24	43	84033	18.807	ug/l	91
44) Trichloroethene	8.54	130	107649	16.840	ug/l	79
45) 1,2-Dichloropropane	8.95	63	70693	17.037	ug/l	96
46) Dibromomethane	9.06	93	61767	18.305	ug/l	91
47) Bromodichloromethane	9.38	83	165482	20.050	ug/l	95
48) Methyl methacrylate	9.12	41	55049	20.002	ug/l #	84
49) 1,4-Dioxane	9.08	88	11140	375.152	ug/l	92
51) 4-Methyl-2-Pentanone	10.30	43	288862	100.574	ug/l	89
52) Toluene	10.52	92	193456	17.724	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	132612	18.590	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	145259	18.666	ug/l #	89
55) 1,1,2-Trichloroethane	11.19	97	71781	18.587	ug/l	97
56) Ethyl methacrylate	11.05	69	69651	17.356	ug/l #	83
57) 1,3-Dichloropropane	11.42	76	108129	18.533	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	238299	108.709	ug/l	96
59) 2-Hexanone	11.53	43	213376	100.797	ug/l	93
60) Dibromochloromethane	11.69	129	121929	18.269	ug/l	98
61) 1,2-Dibromoethane	11.81	107	85644	18.241	ug/l	94
64) Tetrachloroethene	11.26	164	103863	19.637	ug/l	98
65) Chlorobenzene	12.40	112	239200	18.987	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.52	131	111975	20.422	ug/l	96
67) Ethyl Benzene	12.53	91	445792	21.136	ug/l	94
68) m/p-Xylenes	12.68	106	313692	40.880	ug/l	90
69) o-Xylene	13.05	106	147999	20.746	ug/l	81
70) Styrene	13.08	104	242301	20.050	ug/l	97
71) Bromoform	13.24	173	77501	20.316	ug/l #	96
73) Isopropylbenzene	13.40	105	483444	19.869	ug/l	94
74) N-amyl acetate	13.27	43	112238	17.594	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	84849	18.420	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	90660	18.794	ug/l	97
77) Bromobenzene	13.67	156	123365	18.112	ug/l	82
78) n-propylbenzene	13.78	91	551990	19.018	ug/l	94
79) 2-Chlorotoluene	13.85	91	308407	18.553	ug/l	90
80) 1,3,5-Trimethylbenzene	13.94	105	383143	18.700	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.47	75	23685	17.392	ug/l #	67
82) 4-Chlorotoluene	13.95	91	380819	19.468	ug/l	89
83) tert-Butylbenzene	14.19	119	443626	19.263	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	397984	19.356	ug/l	88
85) sec-Butylbenzene	14.37	105	496041	19.645	ug/l	95
86) p-Isopropyltoluene	14.50	119	392845	17.414	ug/l	92
87) 1,3-Dichlorobenzene	14.46	146	228644	18.376	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	219582	17.961	ug/l	96
89) n-Butylbenzene	14.80	91	390469	19.284	ug/l	93
90) Hexachloroethane	15.01	117	113481	18.497	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	194467	18.977	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13549	17.919	ug/l	73

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
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Operator : FY/SY
Sample : VD0515SBSD01
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

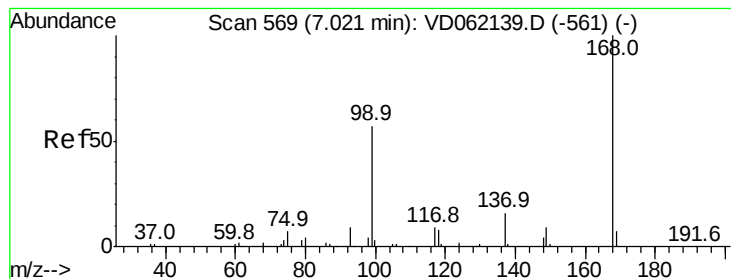
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBSD01

Quant Time: May 16 03:57:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	149803	20.085	ug/l	92
94) Hexachlorobutadiene	16.04	225	111699	20.135	ug/l	96
95) Naphthalene	16.13	128	191196	18.361	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	113278	24.156	ug/l	96

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

Page: 4



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.03 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

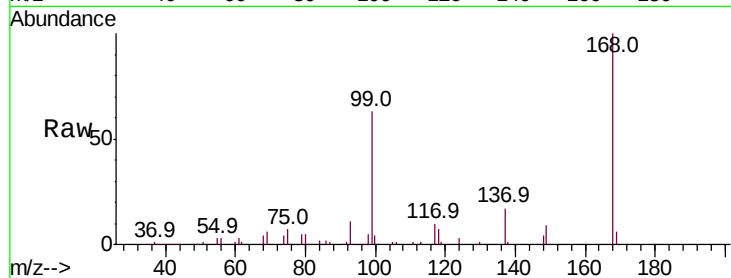
VD0515SBS01

Tot Ion:168 Resp: 646128

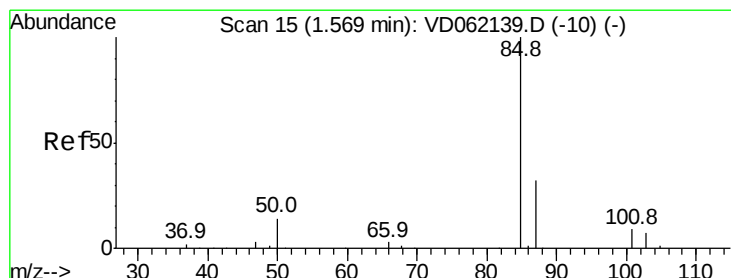
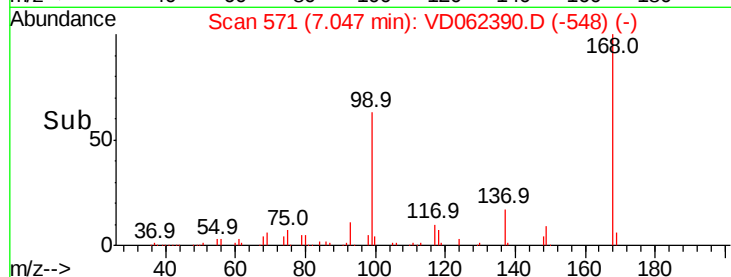
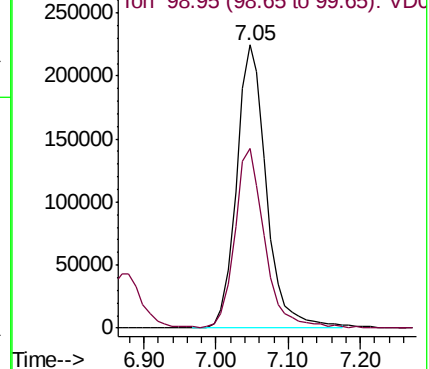
Ion Ratio Lower Upper

168 100

99 63.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V



#2

Dichlorodifluoromethane

Concen: 15.300 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062390.D

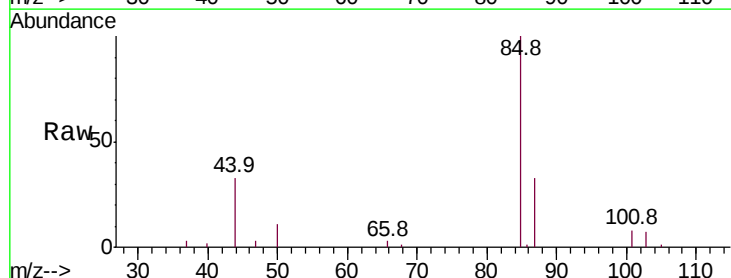
Acq: 15 May 2019 16:10

Tgt Ion: 85 Resp: 94547

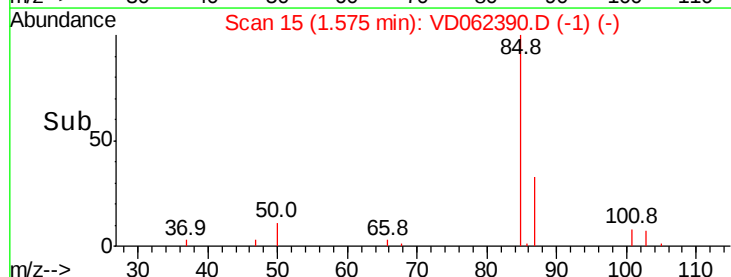
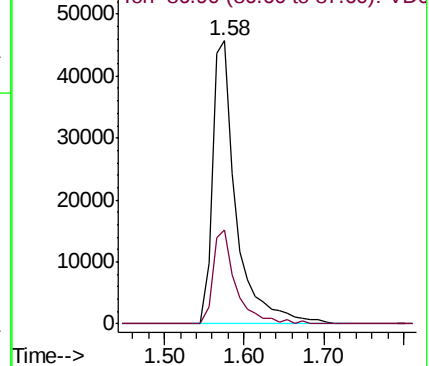
Ion Ratio Lower Upper

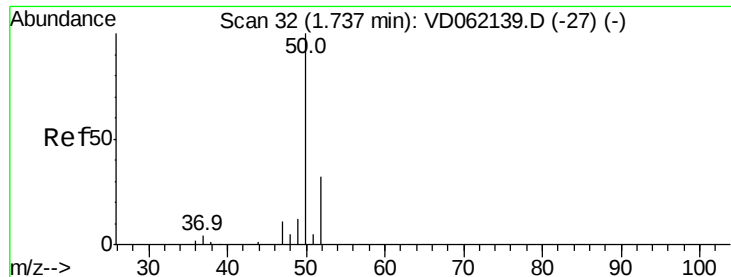
85 100

87 33.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC





#3

Chloromethane

Concen: 15.189 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

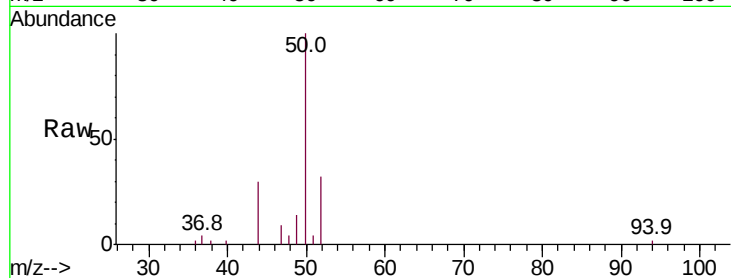
VD0515SBS01

Tot Ion: 50 Resp: 67823

Ion Ratio Lower Upper

50 100

52 32.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

25000

20000

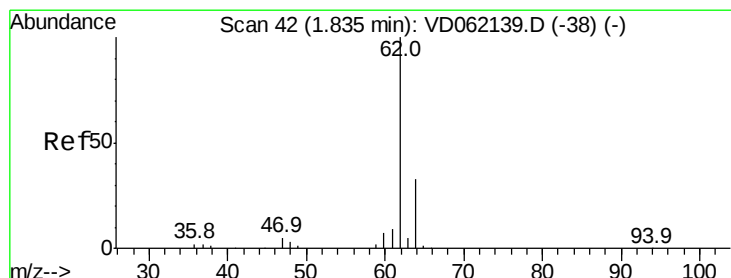
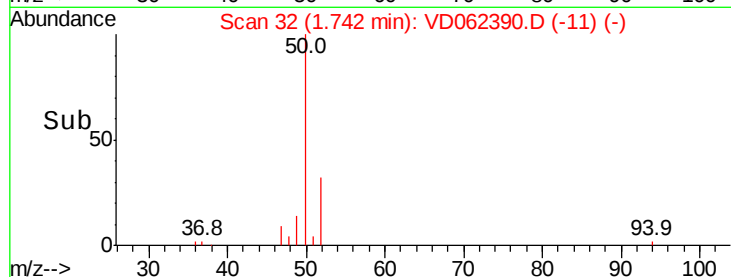
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 16.370 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD062390.D

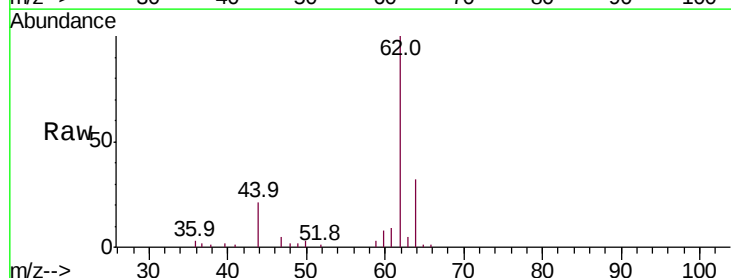
Acq: 15 May 2019 16:10

Tgt Ion: 62 Resp: 71838

Ion Ratio Lower Upper

62 100

64 31.8 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

40000

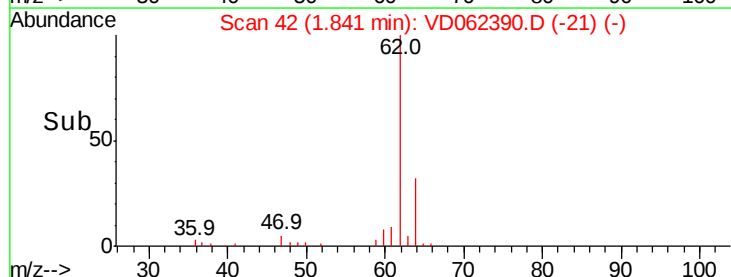
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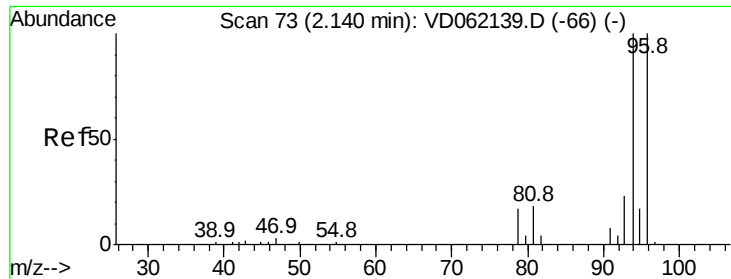
20000

10000

0

Time-->





#5

Bromomethane

Concen: 22.958 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

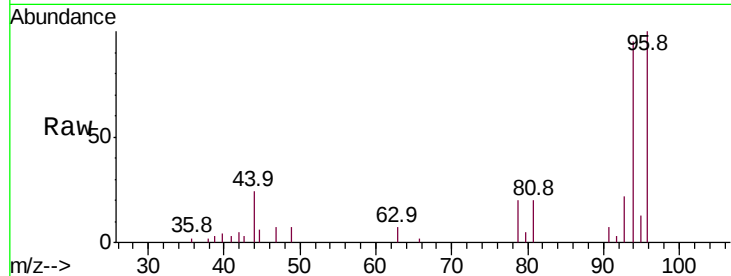
Tot Ion: 94 Resp: 23607

Ion Ratio Lower Upper

94 100

96 105.4 76.6 115.0

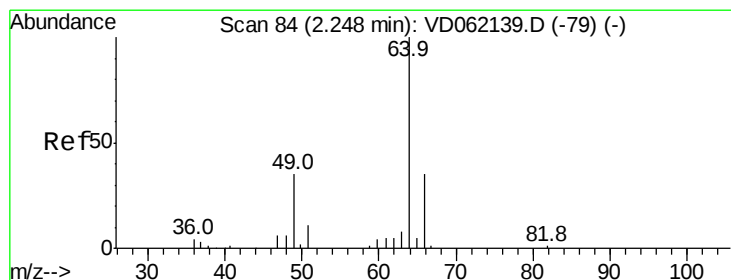
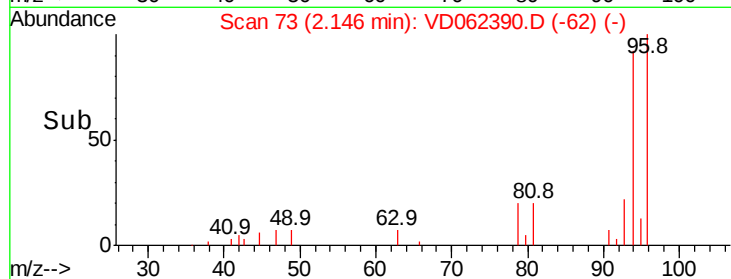
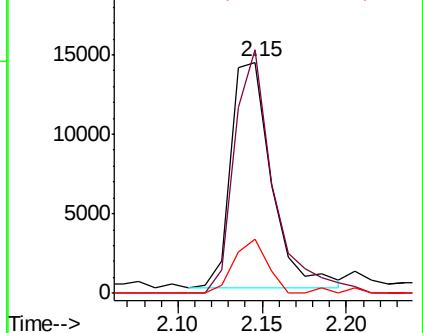
93 23.2 18.5 27.7



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: 19.449 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.00 min

Lab File: VD062390.D

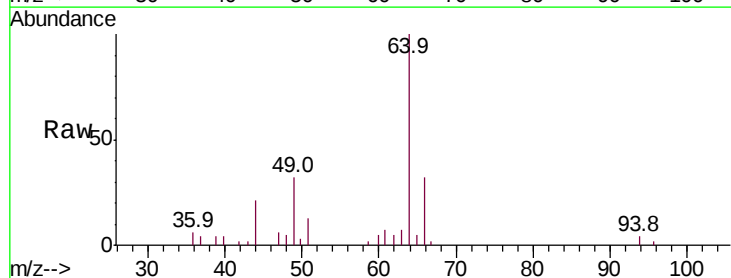
Acq: 15 May 2019 16:10

Tgt Ion: 64 Resp: 35813

Ion Ratio Lower Upper

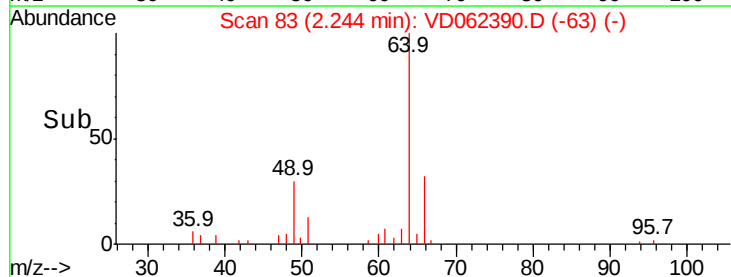
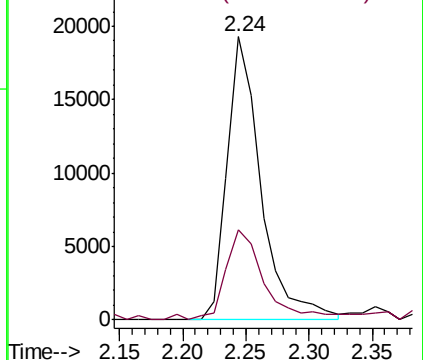
64 100

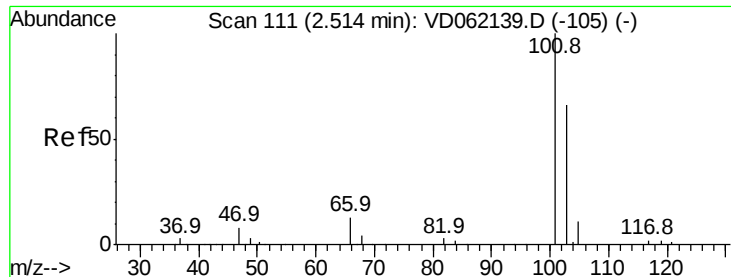
66 32.0 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



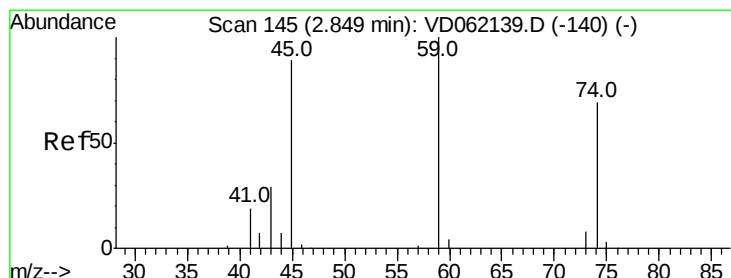
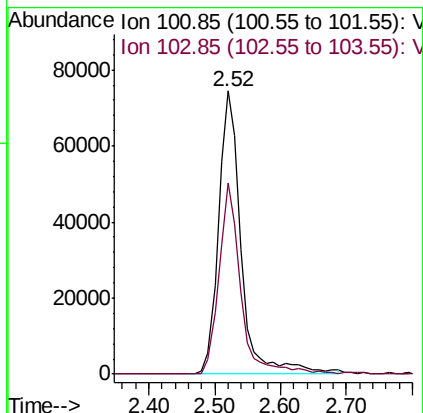
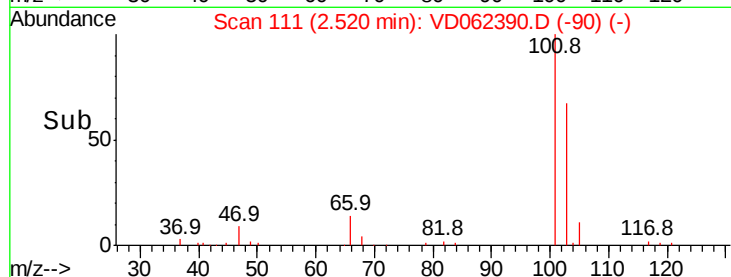
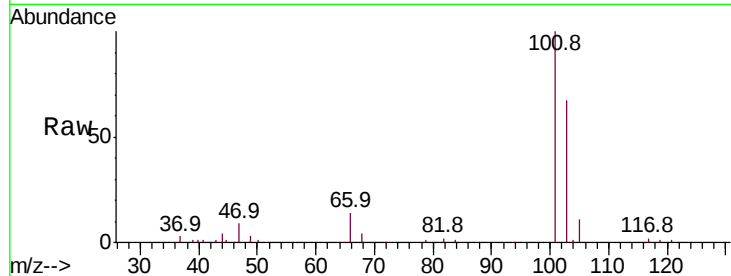


#7

Trichlorofluoromethane
 Concen: 20.799 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. 0.01 min
 Lab File: VD062390.D
 Acq: 15 May 2019 16:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

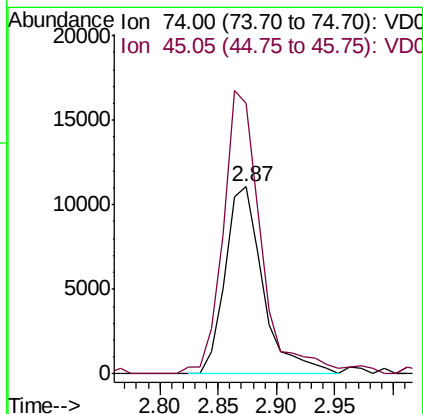
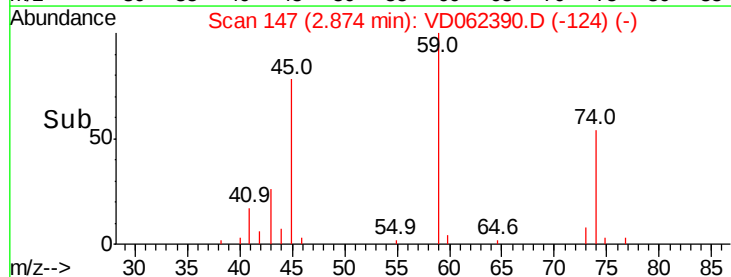
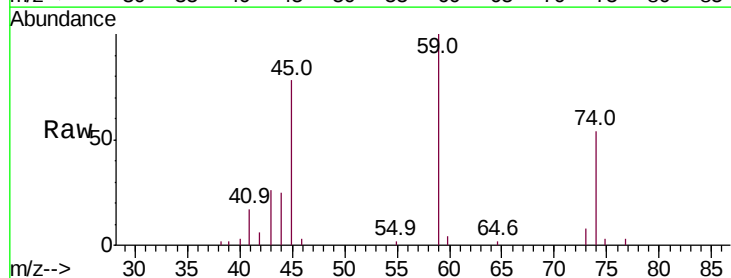
Tot Ion:101 Resp: 177452
 Ion Ratio Lower Upper
 101 100
 103 67.5 53.6 80.4

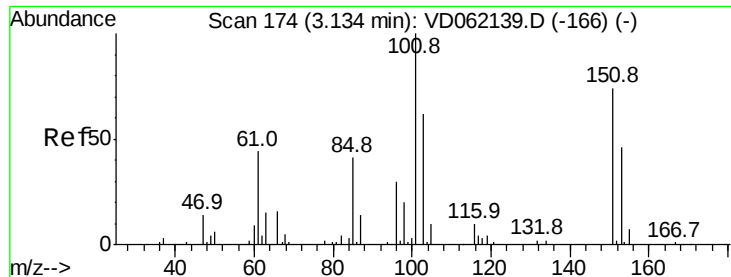


#8

Diethyl Ether
 Concen: 15.122 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.03 min
 Lab File: VD062390.D
 Acq: 15 May 2019 16:10

Tgt Ion: 74 Resp: 24882
 Ion Ratio Lower Upper
 74 100
 45 144.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.945 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

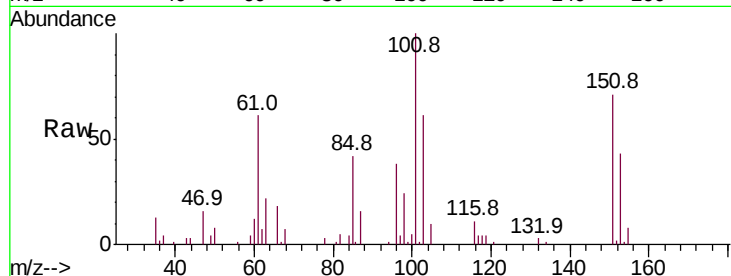
Tot Ion:101 Resp: 122269

Ion Ratio Lower Upper

101 100

85 41.7 32.4 48.6

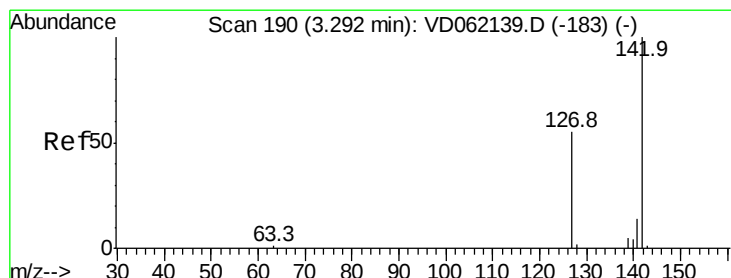
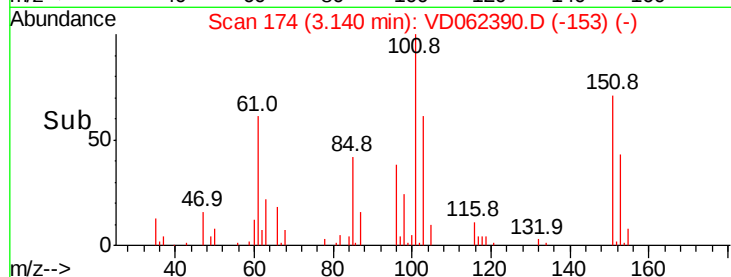
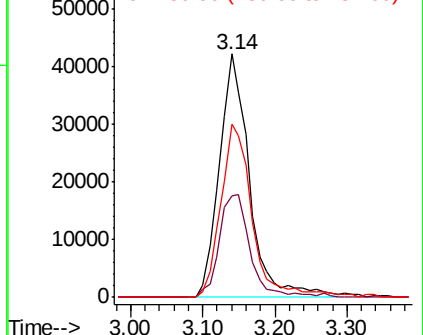
151 71.1 59.4 89.0



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: 13.111 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

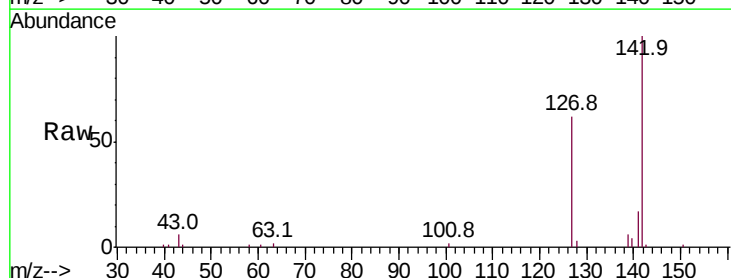
Tgt Ion:142 Resp: 127887

Ion Ratio Lower Upper

142 100

127 62.2 38.8 58.2#

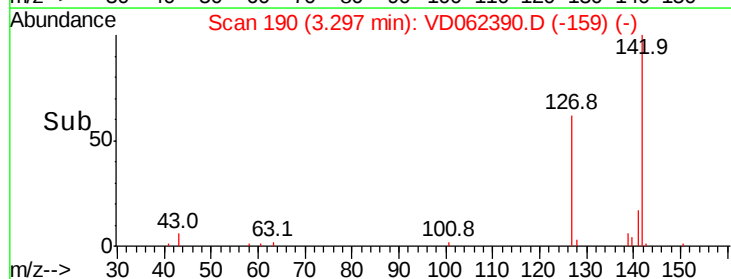
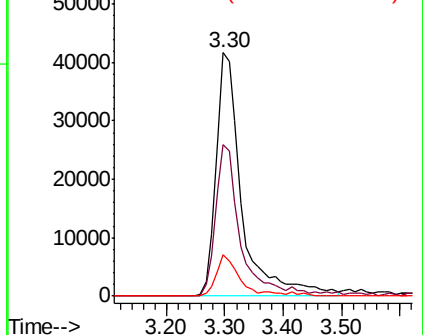
141 16.9 11.4 17.0

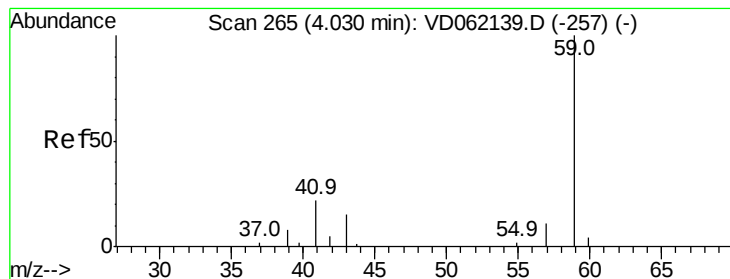


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



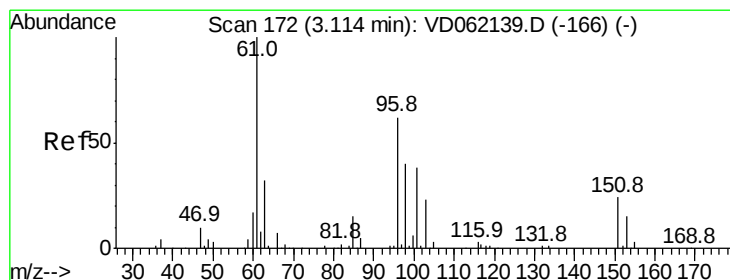
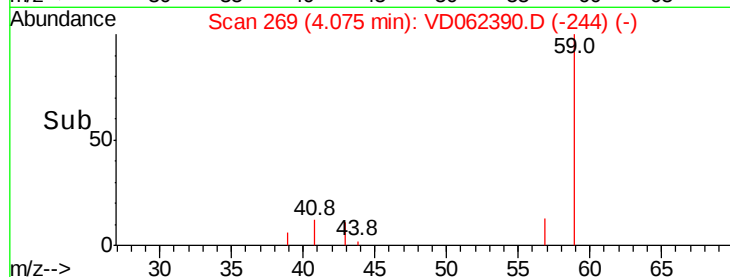
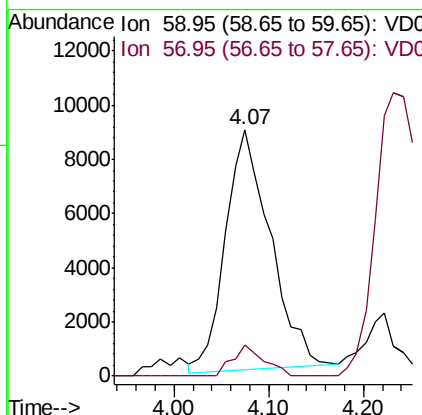
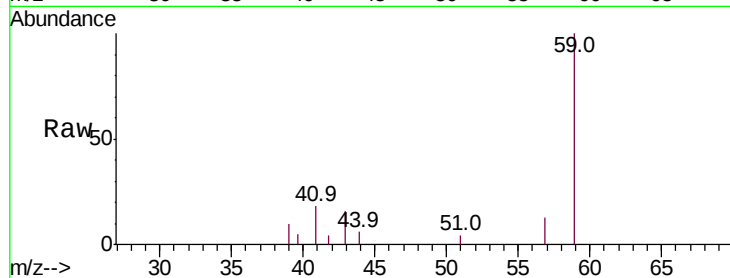


#11

Tert butyl alcohol
 Concen: 94.907 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.04 min
 Lab File: VD062390.D
 Acq: 15 May 2019 16:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

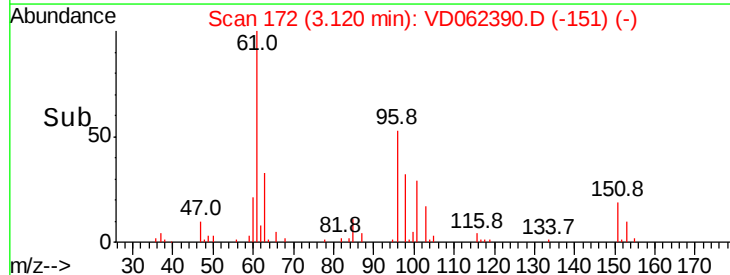
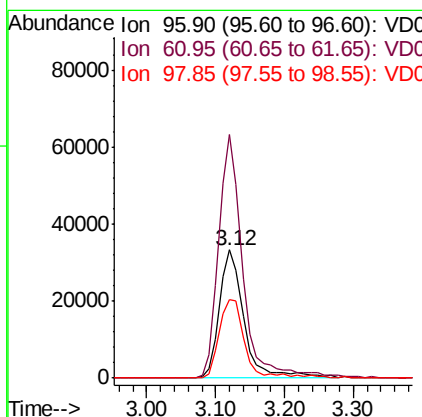
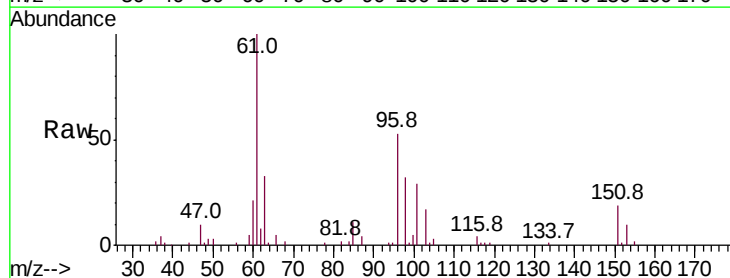
Tot Ion: 59 Resp: 29089
 Ion Ratio Lower Upper
 59 100
 57 12.8 6.9 10.3#

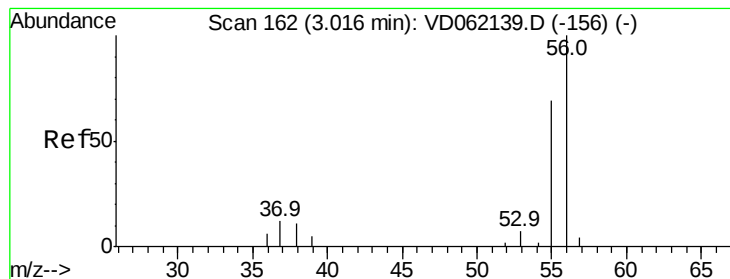


#12

1,1-Dichloroethene
 Concen: 16.793 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.01 min
 Lab File: VD062390.D
 Acq: 15 May 2019 16:10

Tgt Ion: 96 Resp: 82732
 Ion Ratio Lower Upper
 96 100
 61 189.7 129.8 194.8
 98 60.9 51.2 76.8





#13

Acrolein

Concen: 74.290 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.02 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

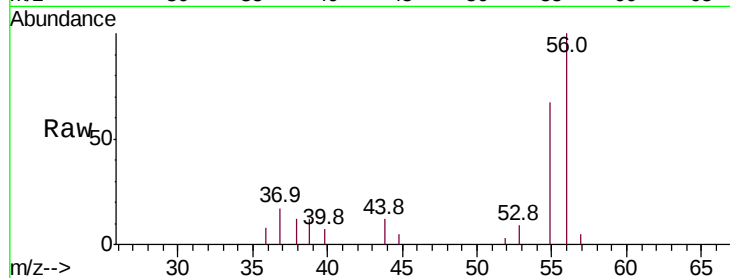
VD0515SBS01

Tot Ion: 56 Resp: 23551

Ion Ratio Lower Upper

56 100

55 67.4 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

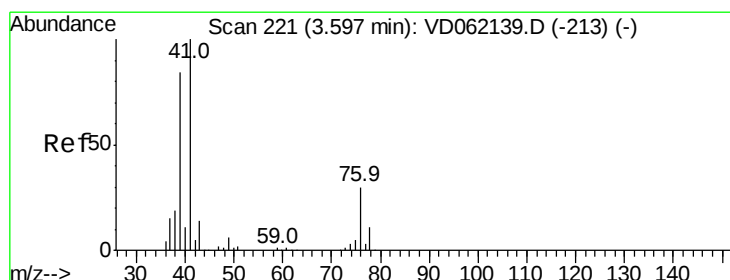
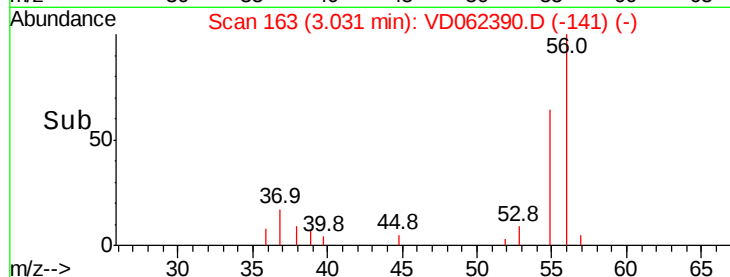
2000

0

Time-->

3.00

3.10



#14

Allyl chloride

Concen: 18.975 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.03 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

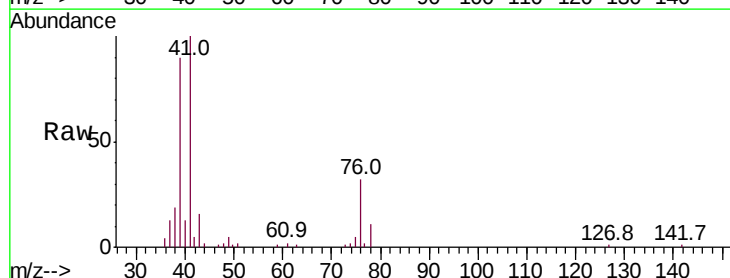
Tgt Ion: 41 Resp: 135920

Ion Ratio Lower Upper

41 100

39 90.0 60.5 90.7

76 32.0 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

60000

40000

20000

0

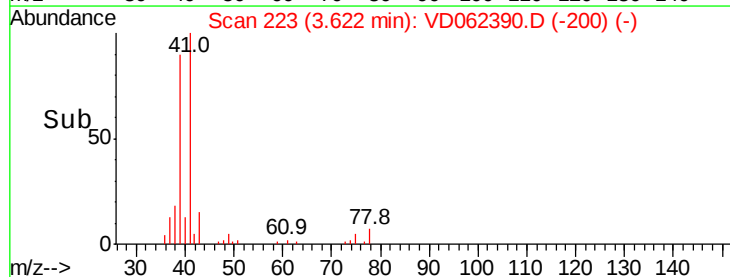
Time-->

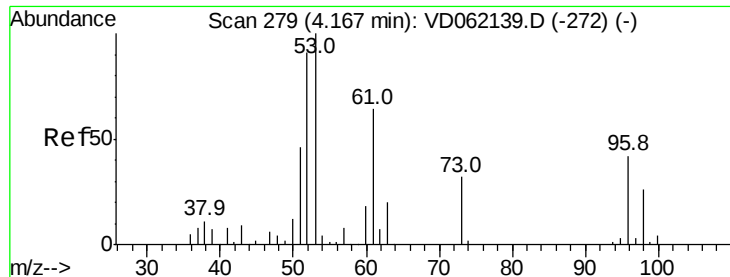
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 96.217 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.03 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

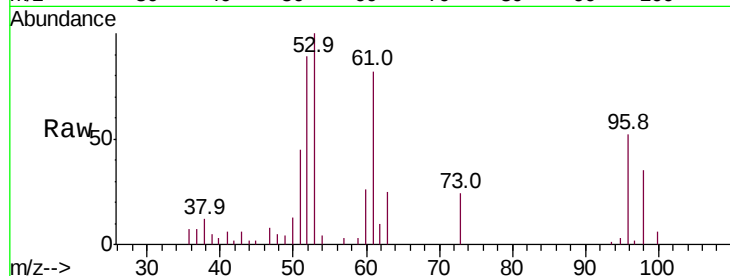
Tot Ion: 53 Resp: 77514

Ion Ratio Lower Upper

53 100

52 89.0 65.0 97.4

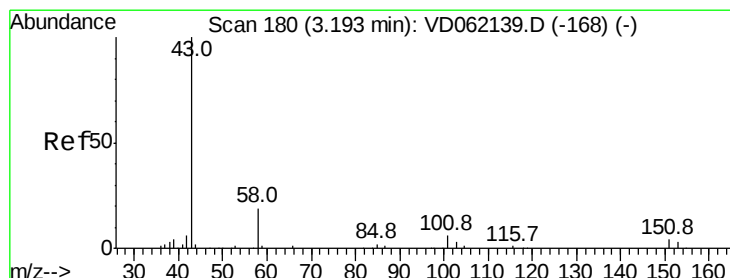
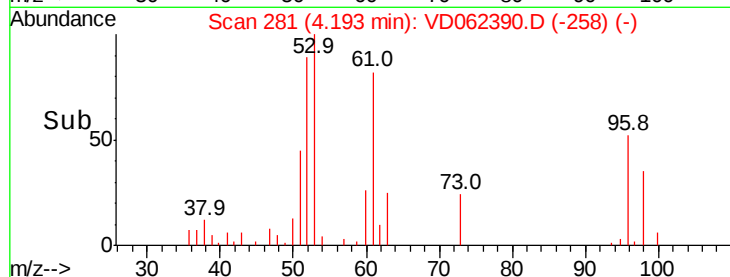
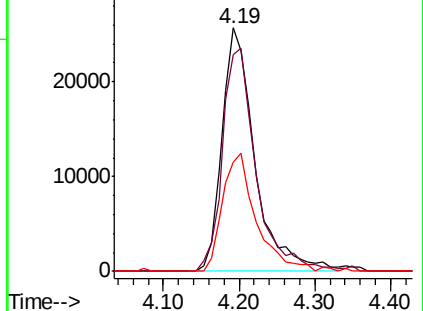
51 44.6 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 109.153 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.03 min

Lab File: VD062390.D

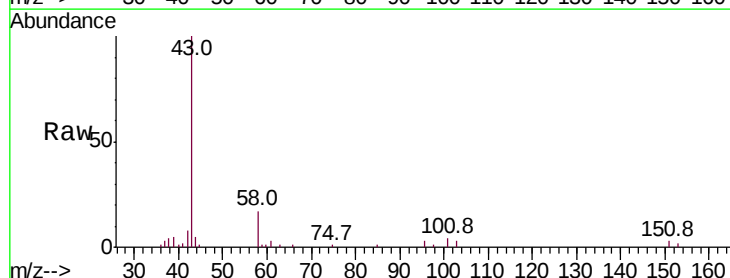
Acq: 15 May 2019 16:10

Tgt Ion: 43 Resp: 137448

Ion Ratio Lower Upper

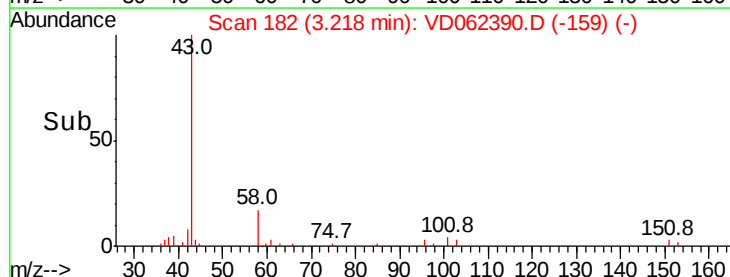
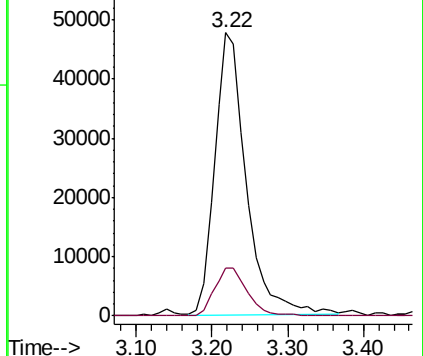
43 100

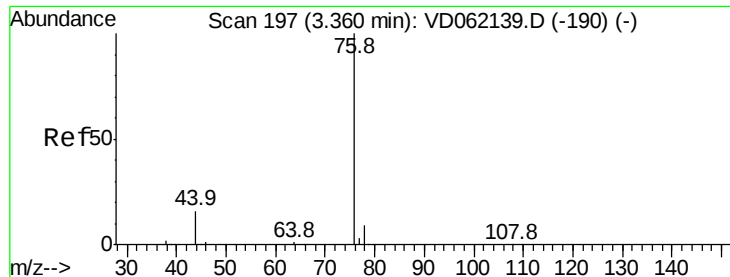
58 17.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

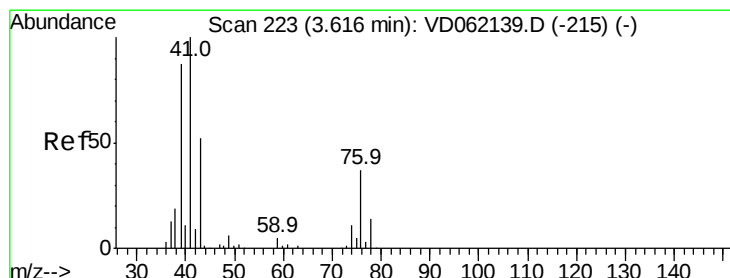
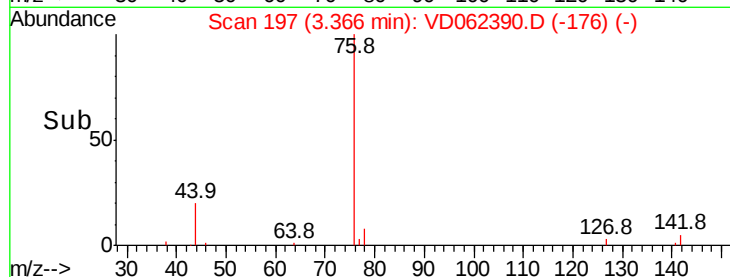
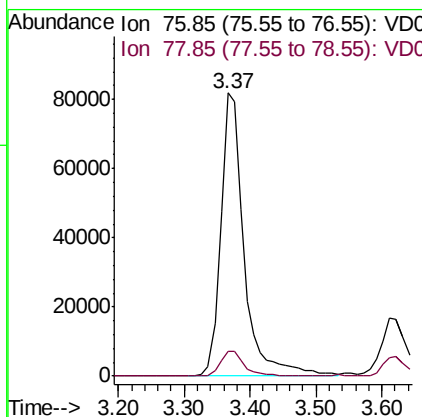
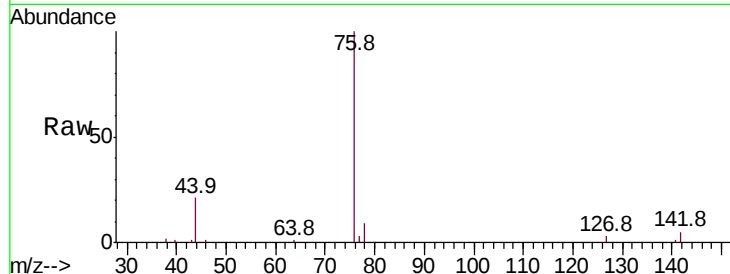




#17
Carbon Disulfide
Concen: 14.276 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.01 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

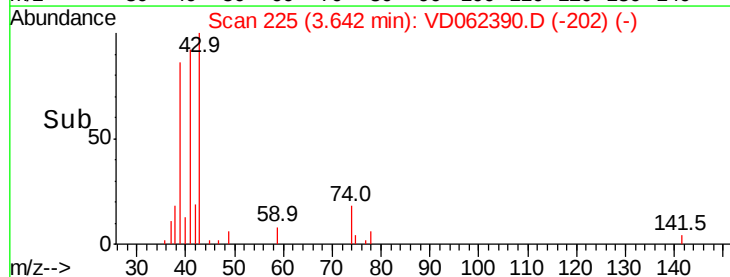
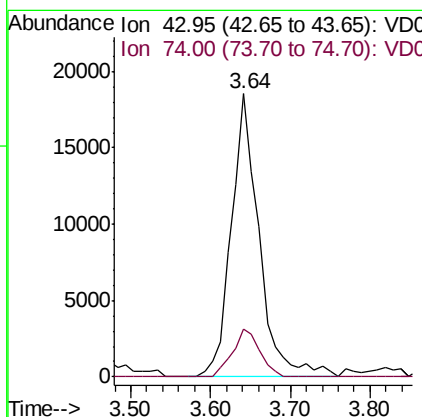
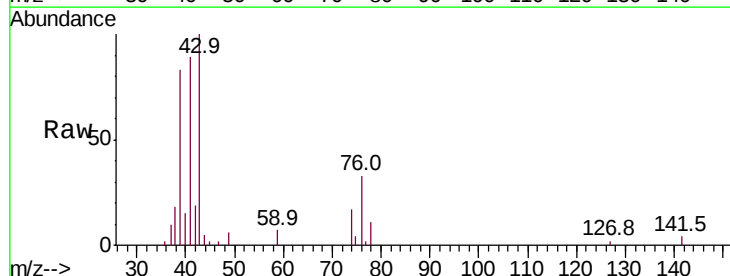
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

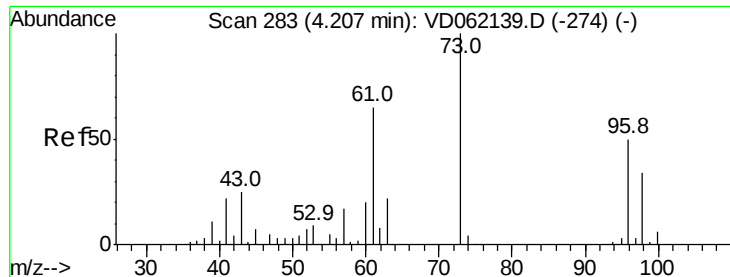
Tot Ion: 76 Resp: 202328
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 19.979 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.03 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Tgt Ion: 43 Resp: 45405
Ion Ratio Lower Upper
43 100
74 16.9 18.0 27.0#

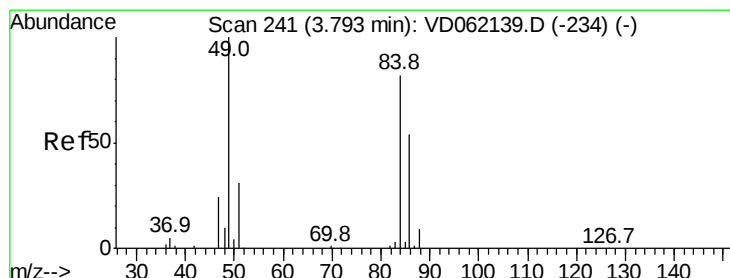
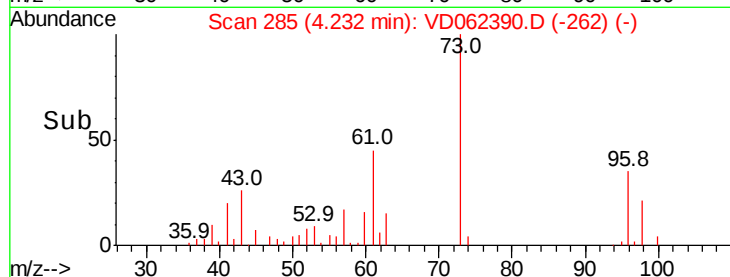
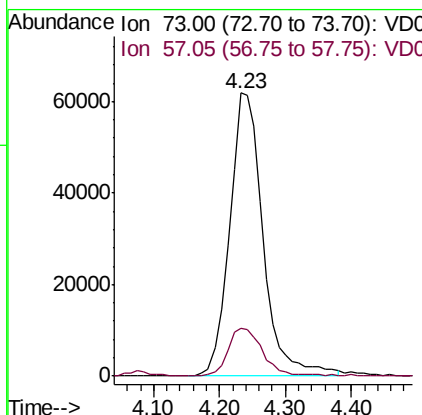
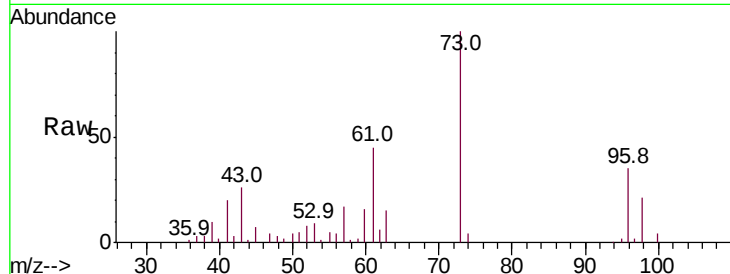




#19
Methyl tert-butyl Ether
Concen: 20.862 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.03 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

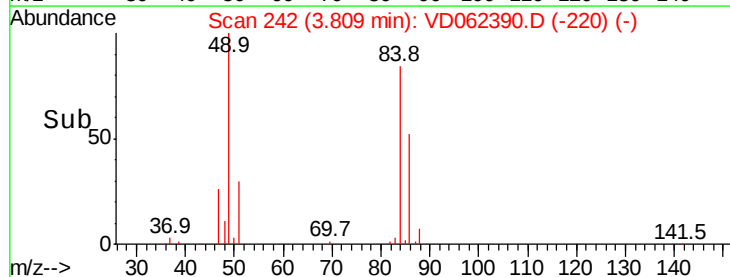
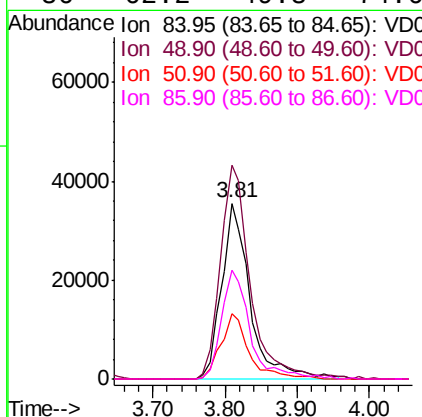
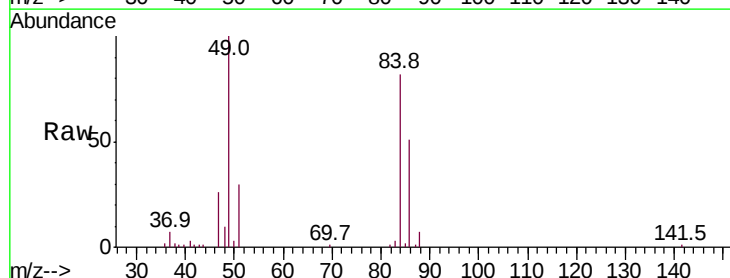
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

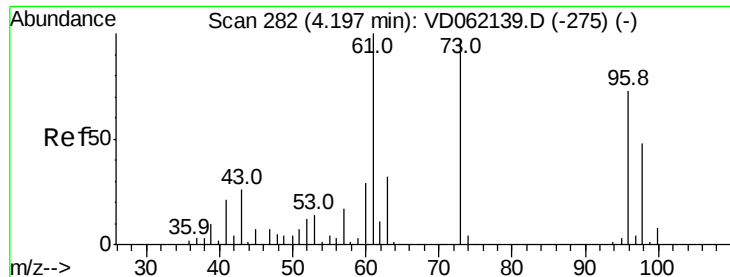
Tot Ion: 73 Resp: 220304
Ion Ratio Lower Upper
73 100
57 16.9 16.3 24.5



#20
Methylene Chloride
Concen: 18.445 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.02 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Tgt Ion: 84 Resp: 96979
Ion Ratio Lower Upper
84 100
49 121.5 94.0 141.0
51 37.0 29.0 43.4
86 62.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.686 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.02 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

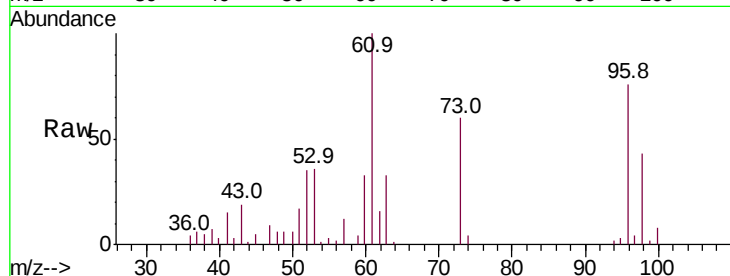
Tot Ion: 96 Resp: 96959

Ion Ratio Lower Upper

96 100

61 131.1 104.4 156.6

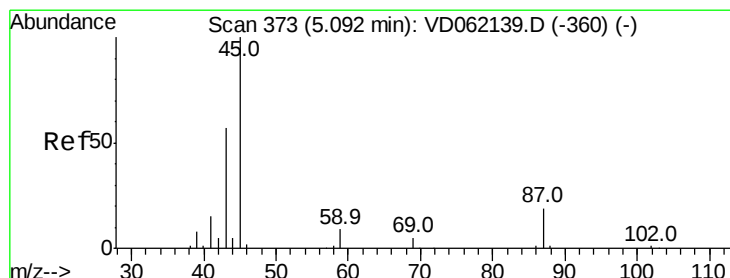
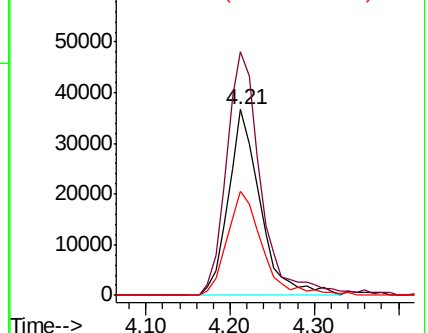
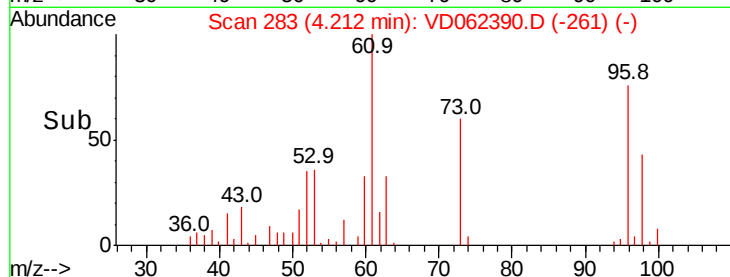
98 56.2 51.8 77.8



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: 19.000 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.03 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Tgt Ion: 45 Resp: 289620

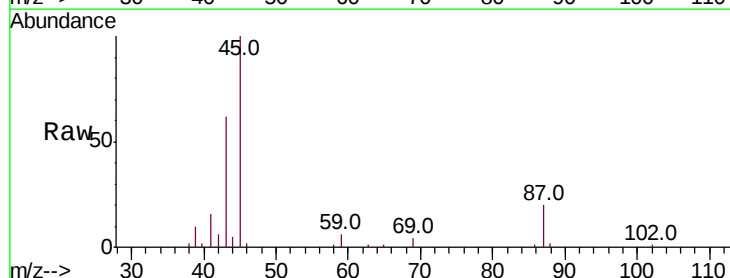
Ion Ratio Lower Upper

45 100

43 61.8 46.2 69.2

87 20.1 15.9 23.9

59 6.3 7.9 11.9#

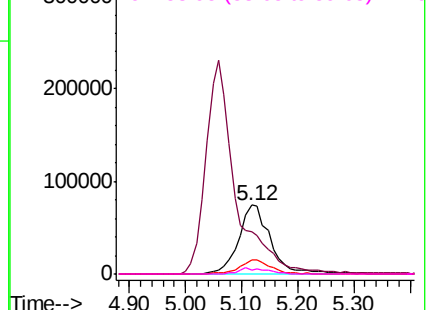
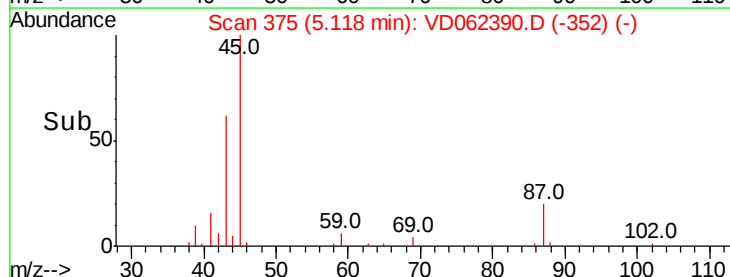


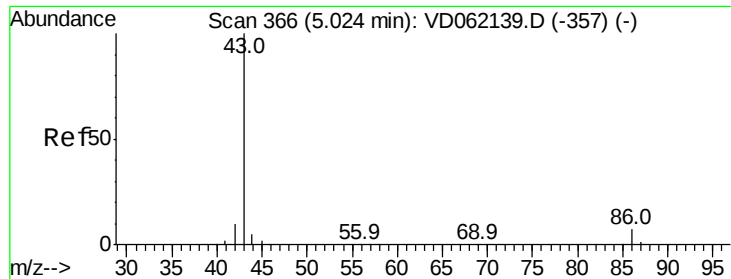
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 105.439 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.04 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleID :

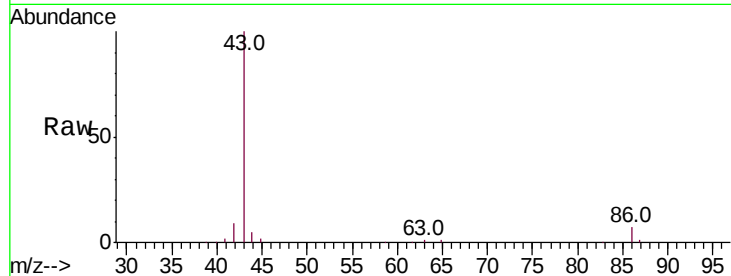
VD0515SBS01

Tot Ion: 43 Resp: 847998

Ion Ratio Lower Upper

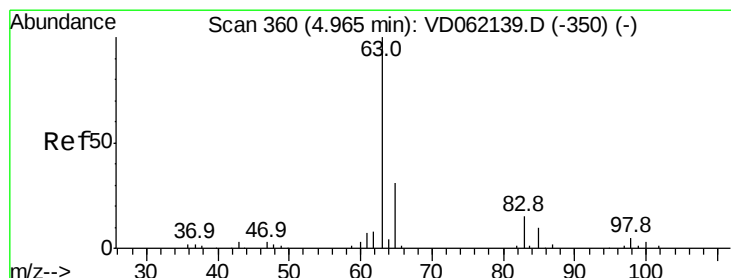
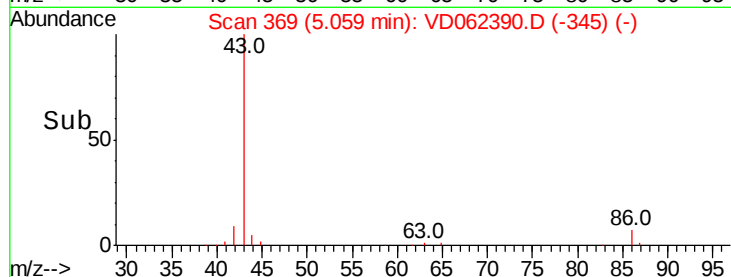
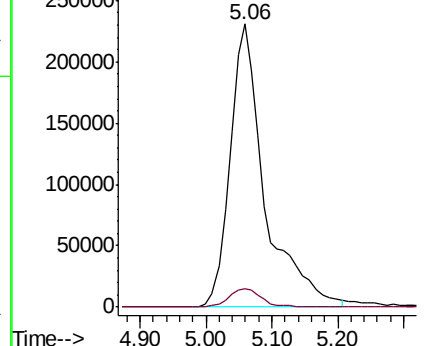
43 100

86 6.6 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD062390.D (-357) (-)

Ion 86.00 (85.70 to 86.70): VD062390.D (-357) (-)



#24

1,1-Dichloroethane

Concen: 18.869 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.02 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

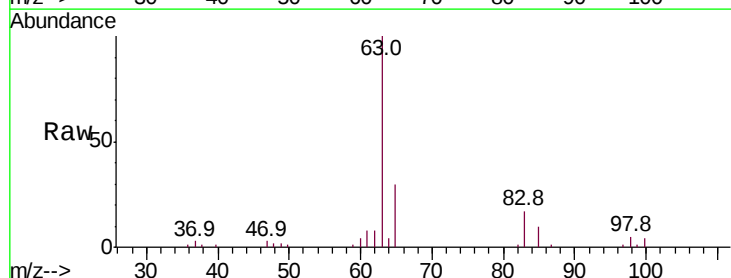
Tgt Ion: 63 Resp: 173515

Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.4

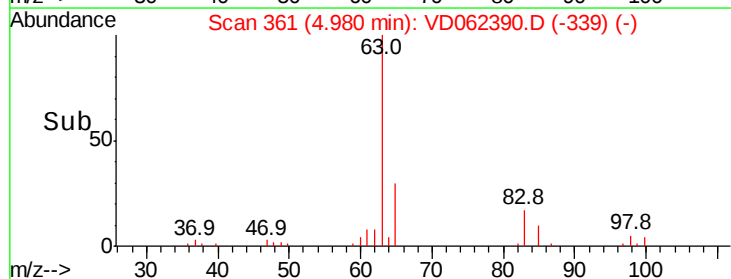
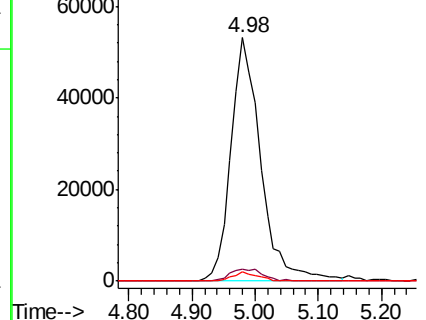
100 3.8 1.8 5.5

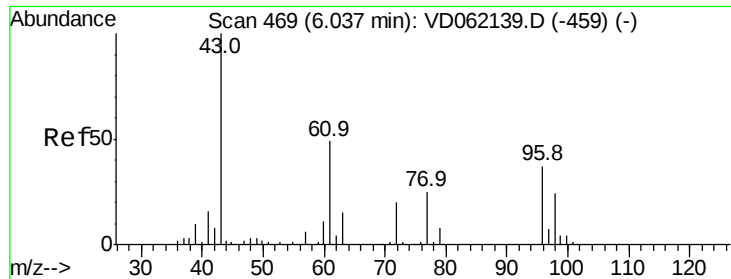


Abundance Ion 62.95 (62.65 to 63.65): VD062390.D (-339) (-)

Ion 97.95 (97.65 to 98.65): VD062390.D (-339) (-)

Ion 99.95 (99.65 to 100.65): VD062390.D (-339) (-)





#25

2-Butanone

Concen: 99.192 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.04 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

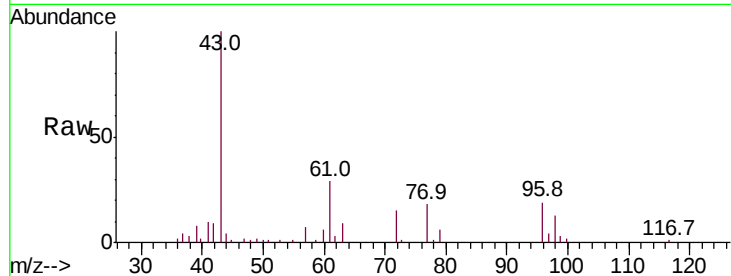
VD0515SBS01

Tot Ion: 43 Resp: 136241

Ion Ratio Lower Upper

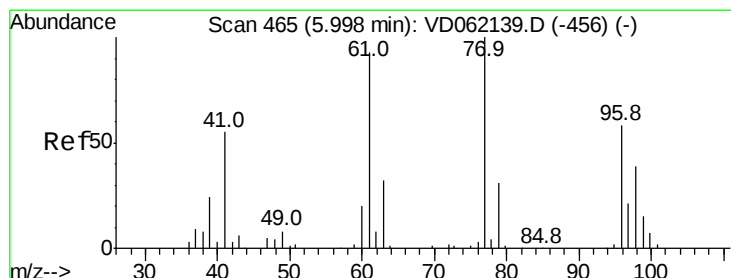
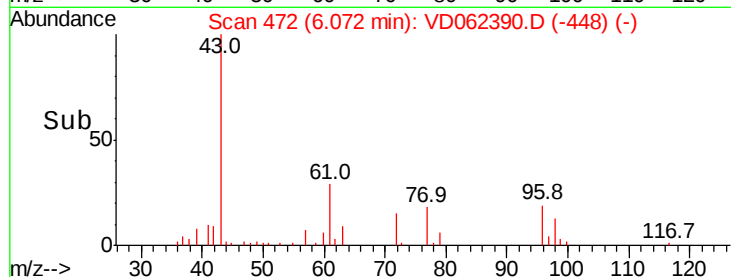
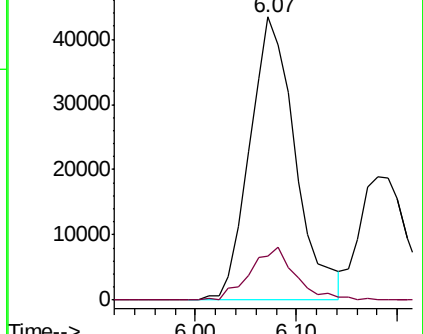
43 100

72 15.5 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: 20.719 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.03 min

Lab File: VD062390.D

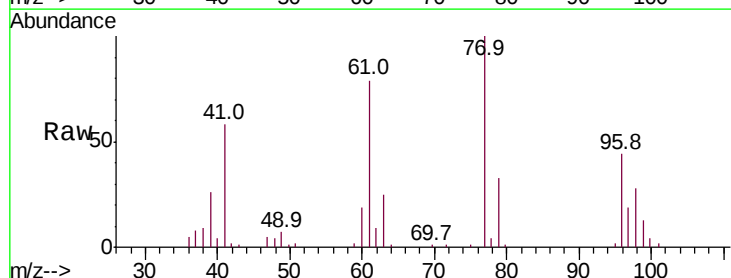
Acq: 15 May 2019 16:10

Tgt Ion: 77 Resp: 189786

Ion Ratio Lower Upper

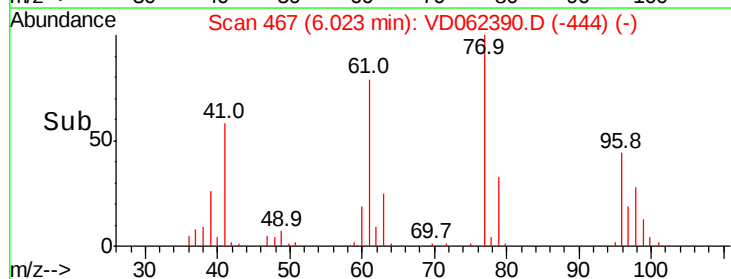
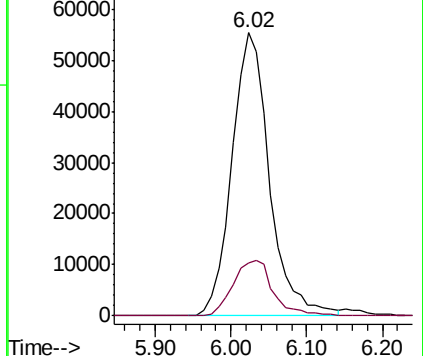
77 100

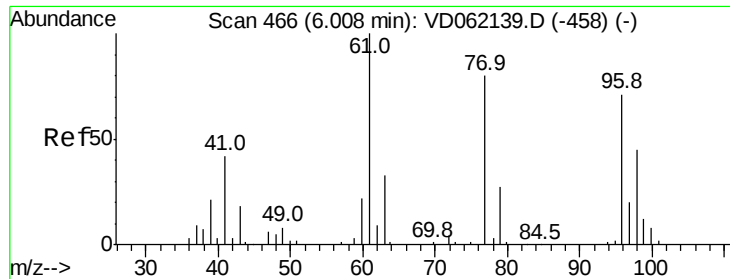
97 18.6 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



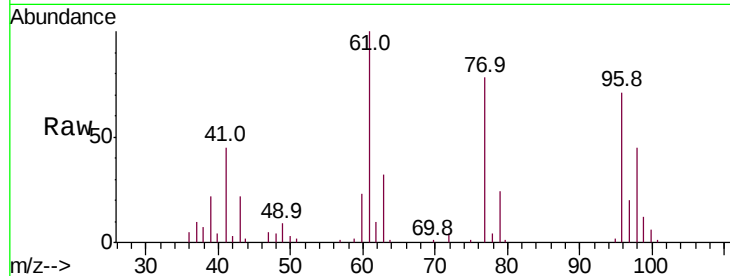


#27

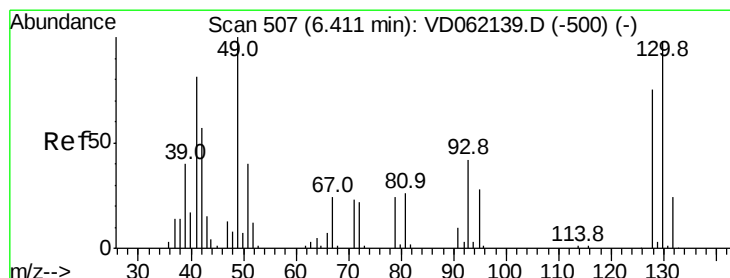
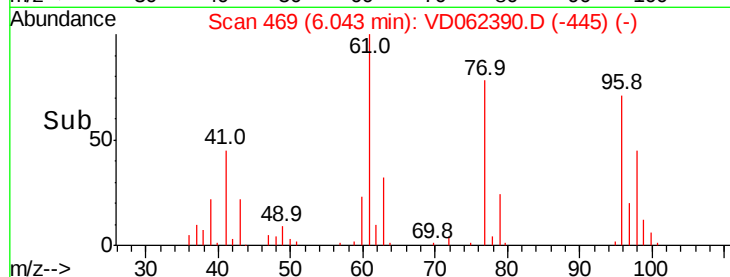
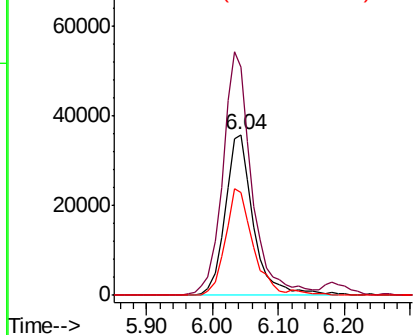
cis-1,2-Dichloroethene
 Concen: 17.450 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.04 min
 Lab File: VD062390.D
 Acq: 15 May 2019 16:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBSD01

Tot Ion: 96 Resp: 107078
 Ion Ratio Lower Upper
 96 100
 61 141.7 0.0 279.8
 98 64.0 0.0 136.0



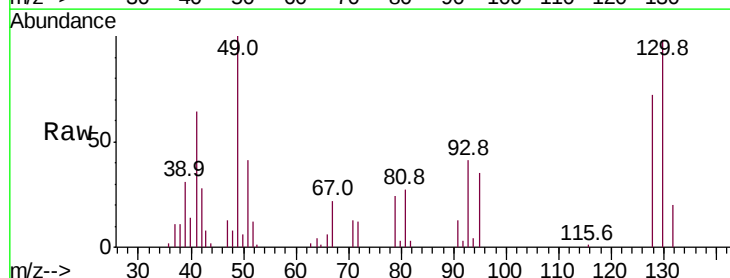
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



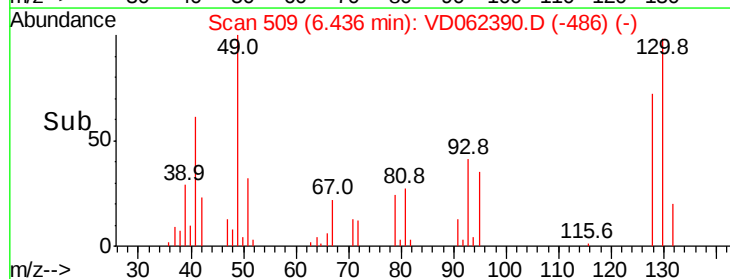
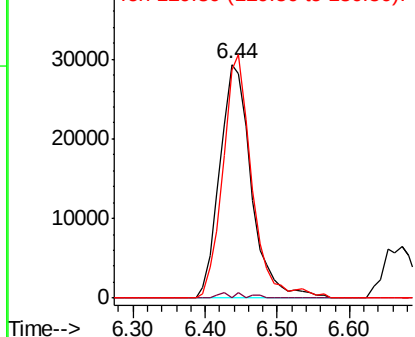
#28

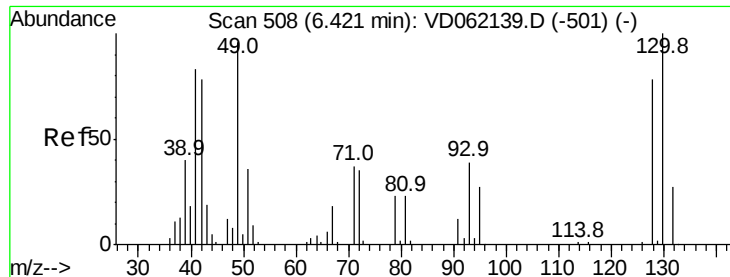
Bromochloromethane
 Concen: 24.663 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. 0.03 min
 Lab File: VD062390.D
 Acq: 15 May 2019 16:10

Tgt Ion: 49 Resp: 89227
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.6
 130 97.7 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: 101.779 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.04 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

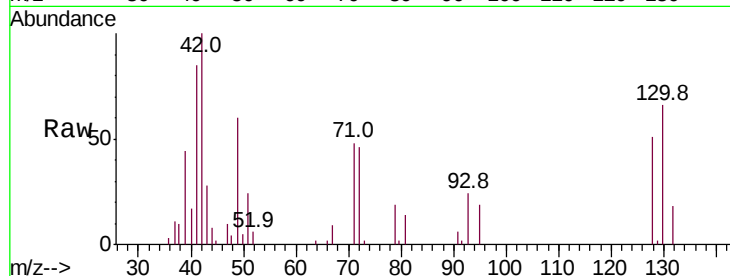
Tot Ion: 42 Resp: 64411

Ion Ratio Lower Upper

42 100

72 39.9 37.8 56.6

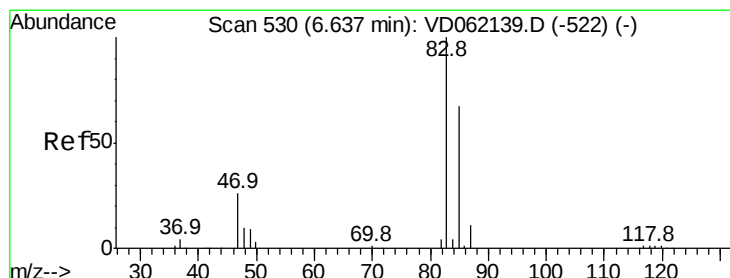
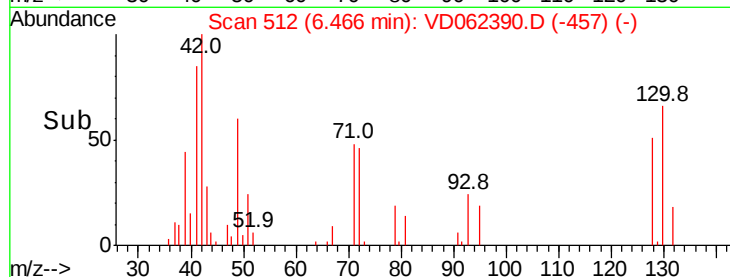
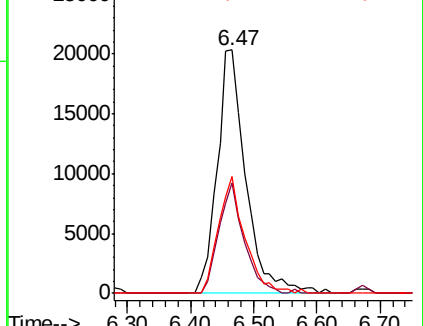
71 44.4 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 19.867 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.04 min

Lab File: VD062390.D

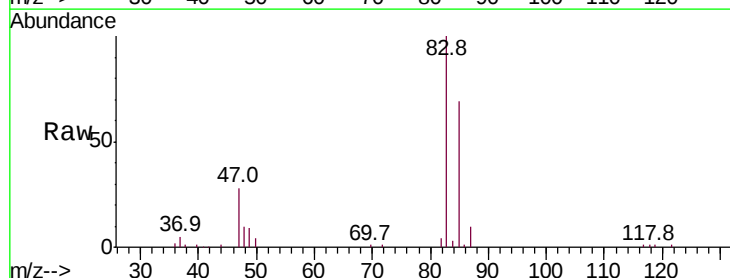
Acq: 15 May 2019 16:10

Tgt Ion: 83 Resp: 220175

Ion Ratio Lower Upper

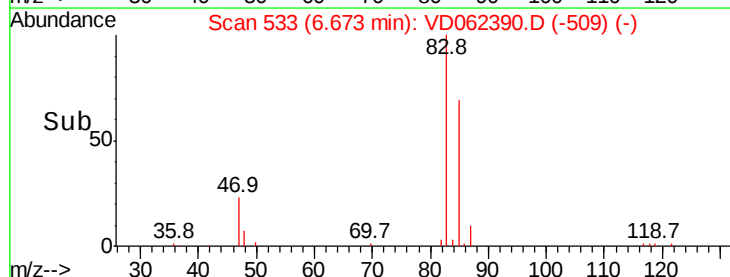
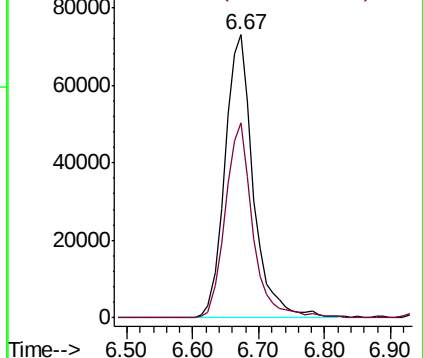
83 100

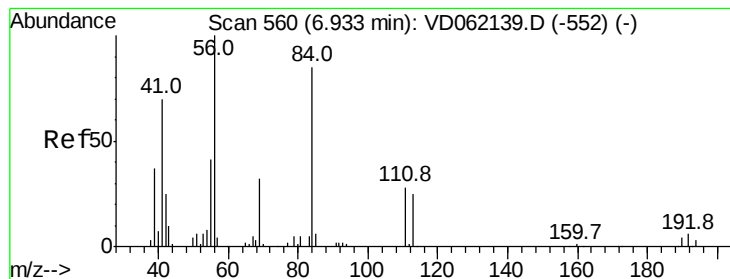
85 68.7 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 17.357 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

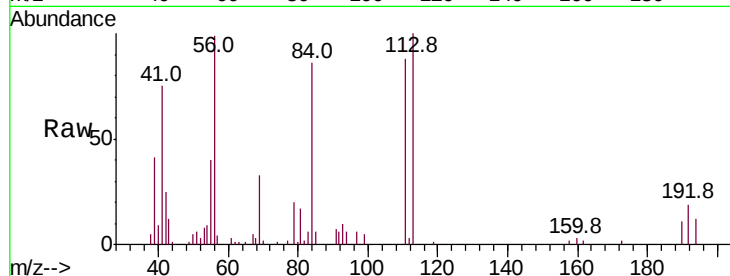
Tot Ion: 56 Resp: 109349

Ion Ratio Lower Upper

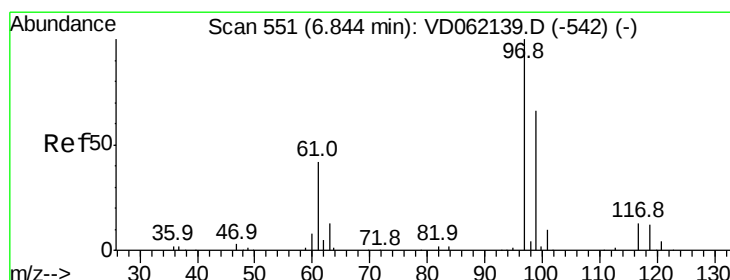
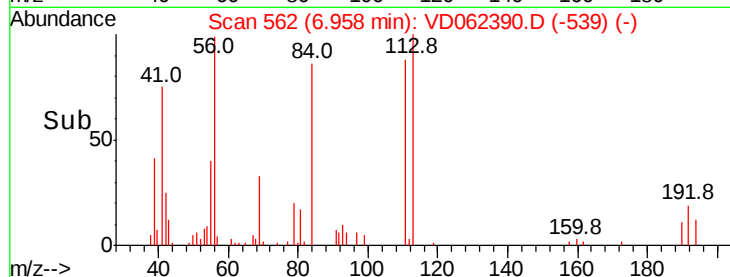
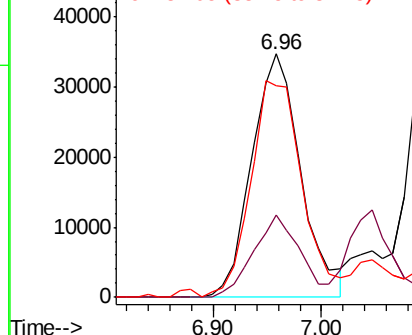
56 100

69 33.8 25.8 38.6

84 87.1 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 20.940 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.04 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

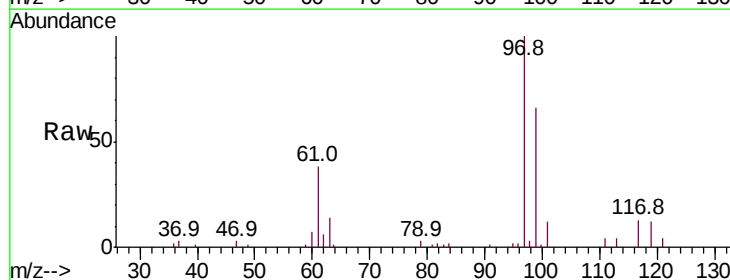
Tgt Ion: 97 Resp: 219342

Ion Ratio Lower Upper

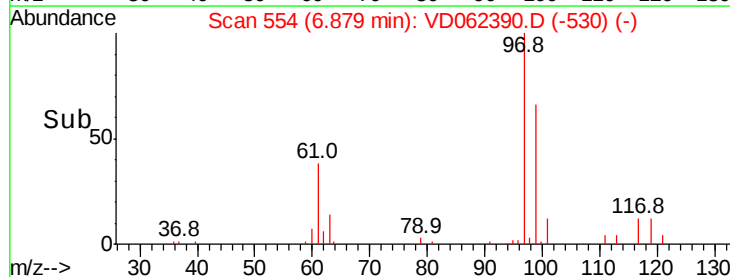
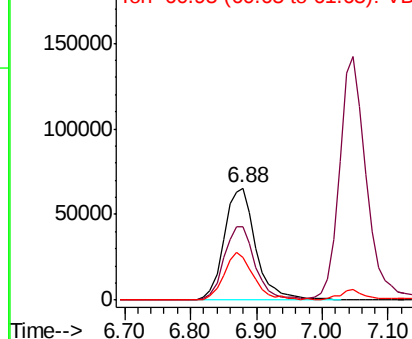
97 100

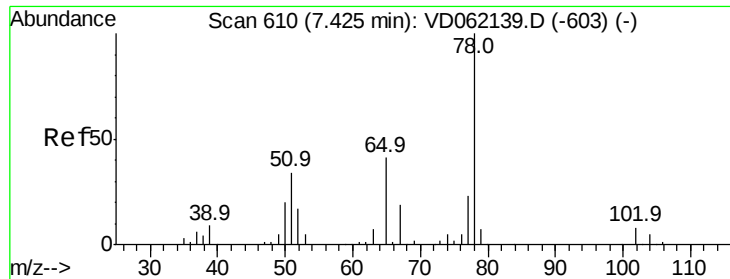
99 65.8 52.2 78.2

61 38.3 32.4 48.6



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





#33

1,2-Dichloroethane-d4

Concen: 53.390 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.04 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

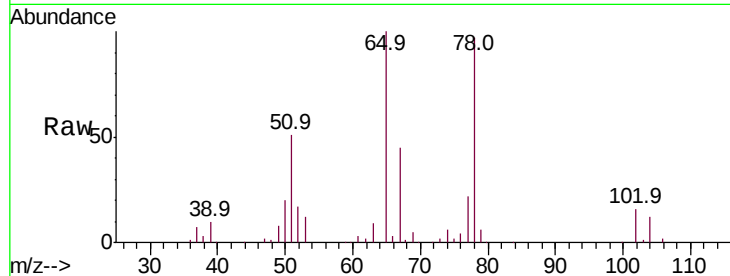
VD0515SBS01

Tot Ion: 65 Resp: 320583

Ion Ratio Lower Upper

65 100

67 44.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

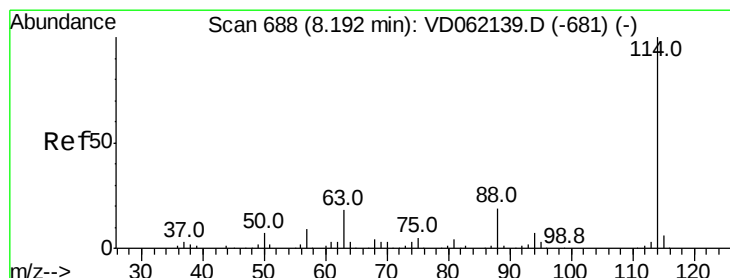
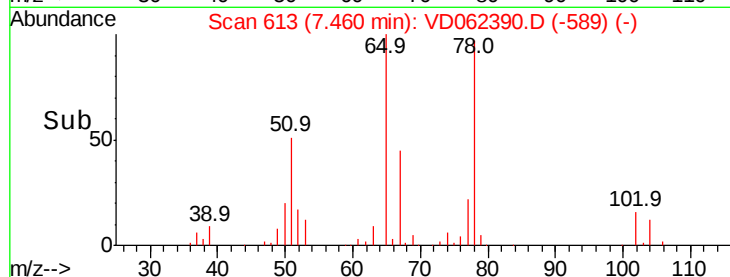
7.46

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.03 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

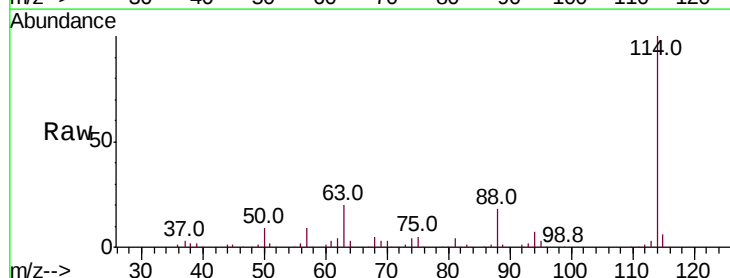
Tgt Ion:114 Resp: 906070

Ion Ratio Lower Upper

114 100

63 19.7 0.0 32.4

88 18.1 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

400000

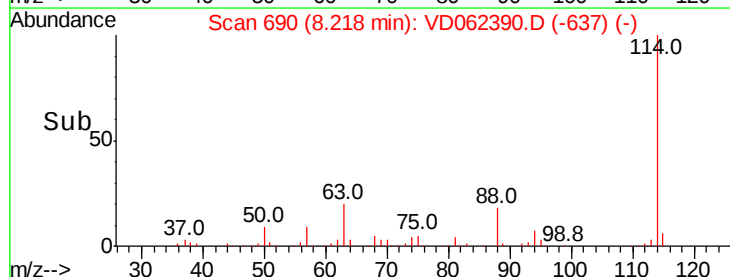
300000

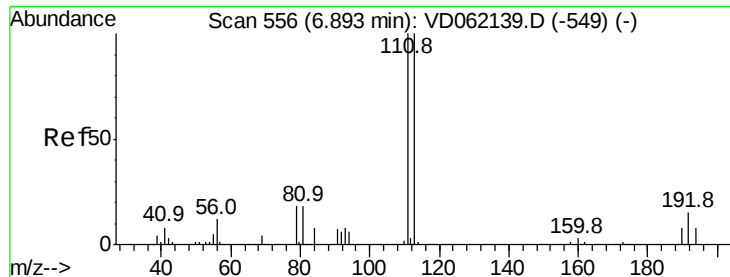
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.648 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.04 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBSD01

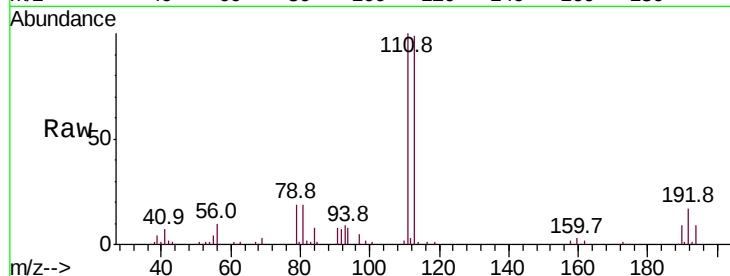
Tot Ion:113 Resp: 373240

Ion Ratio Lower Upper

113 100

111 101.5 78.5 117.7

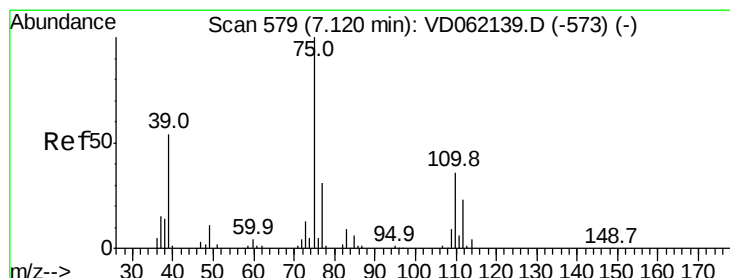
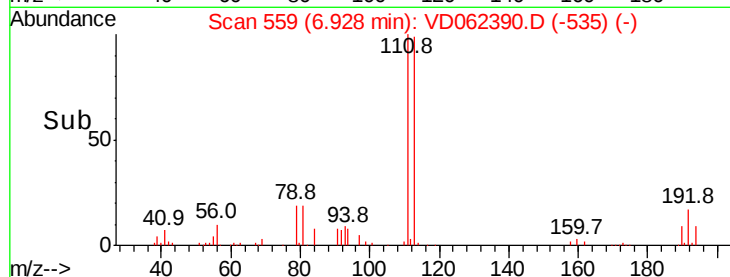
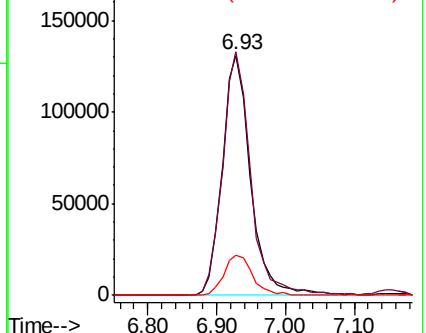
192 17.0 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 18.981 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.03 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

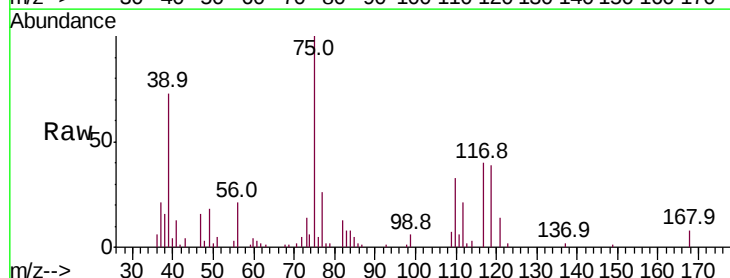
Tgt Ion: 75 Resp: 141008

Ion Ratio Lower Upper

75 100

110 33.4 19.1 57.1

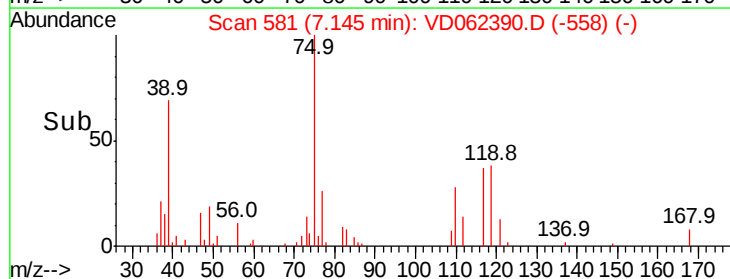
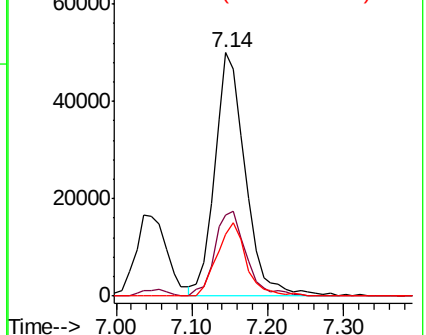
77 25.5 25.6 38.4#

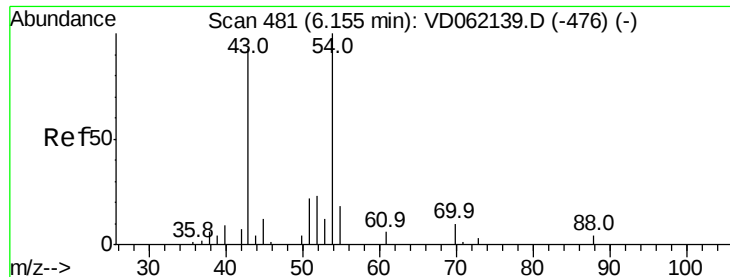


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 20.654 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.03 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

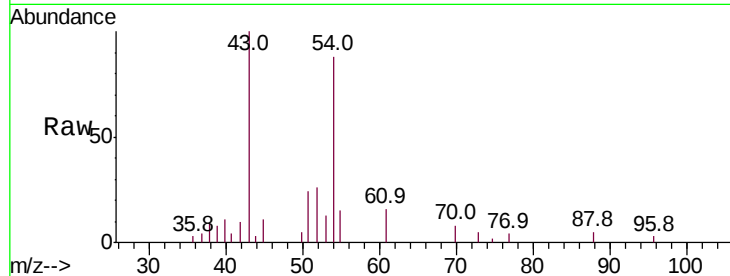
Tot Ion: 43 Resp: 65072

Ion Ratio Lower Upper

43 100

61 15.5 14.7 22.1

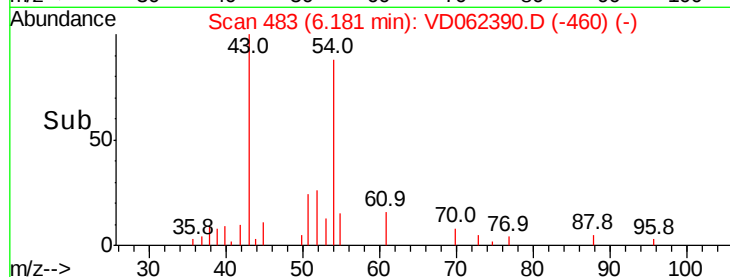
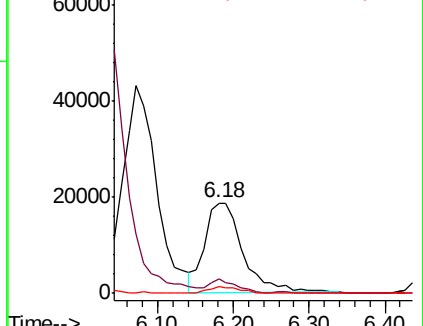
70 8.0 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 19.328 ug/l

RT: 7.12 min Scan# 578

Delta R.T. 0.03 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

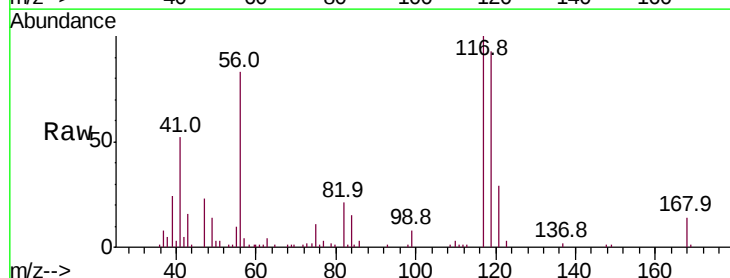
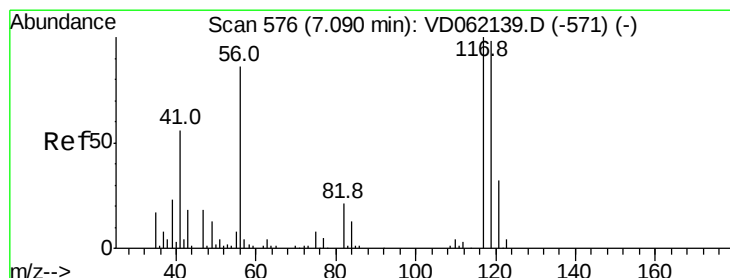
Tgt Ion: 117 Resp: 198736

Ion Ratio Lower Upper

117 100

119 93.0 75.8 113.8

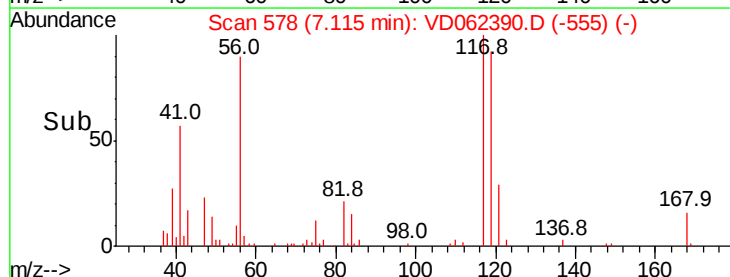
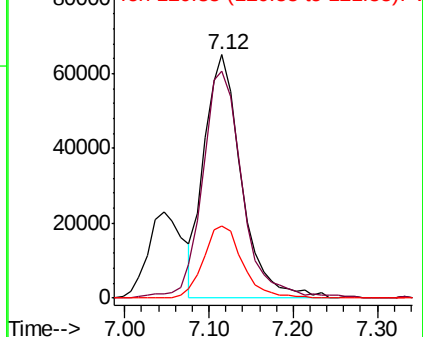
121 29.4 25.9 38.9

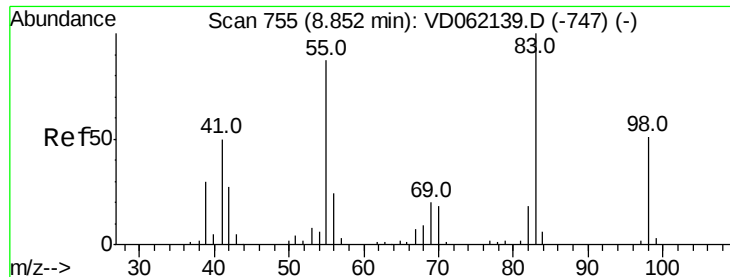


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

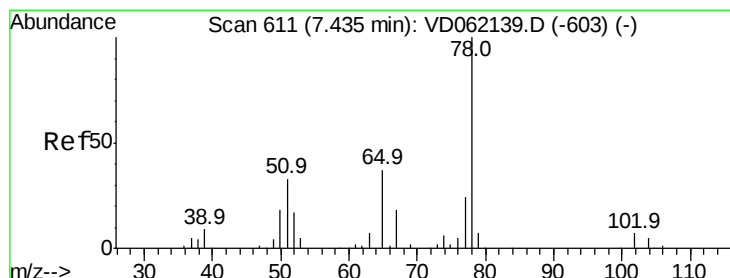
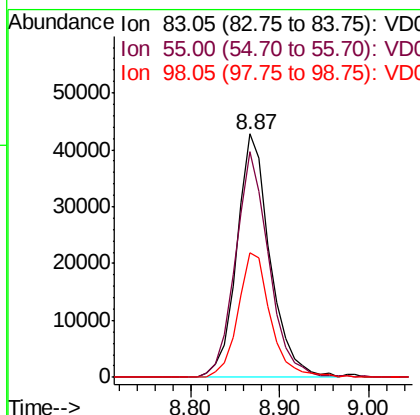
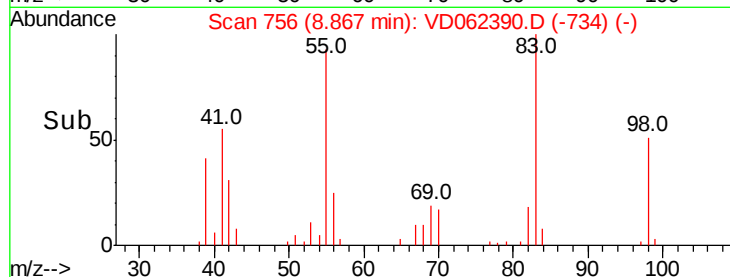
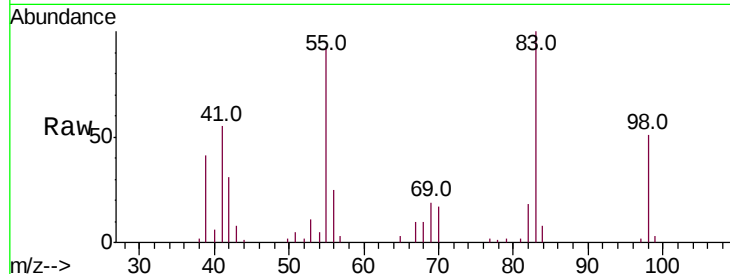




#39
Methvlcvclohexane
Concen: 15.562 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.02 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

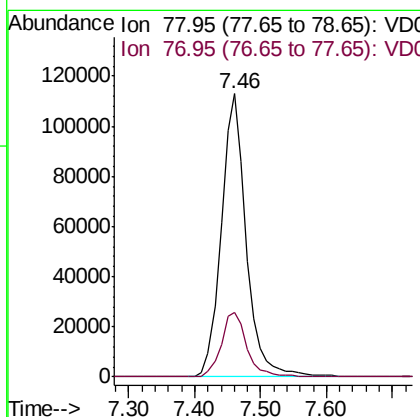
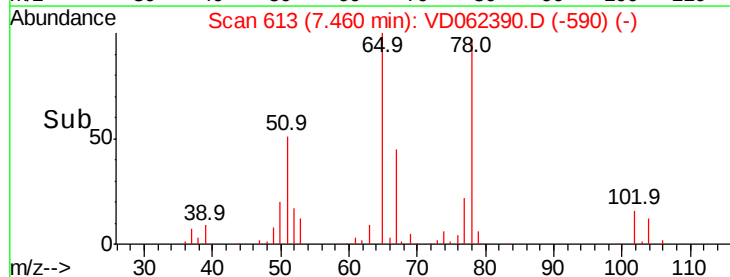
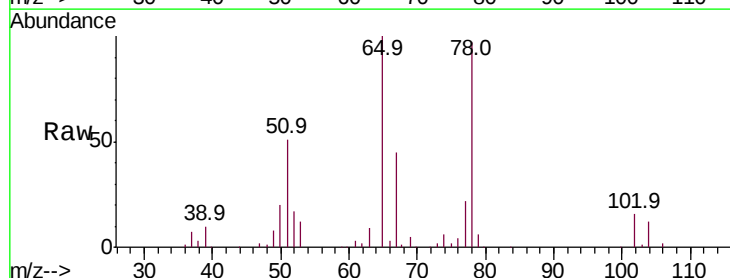
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

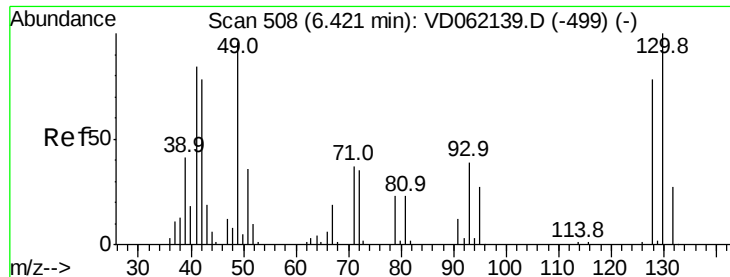
Tot Ion: 83 Resp: 110768
Ion Ratio Lower Upper
83 100
55 92.6 68.2 102.4
98 51.0 38.2 57.4



#40
Benzene
Concen: 17.718 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.03 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Tgt Ion: 78 Resp: 297221
Ion Ratio Lower Upper
78 100
77 22.9 19.7 29.5

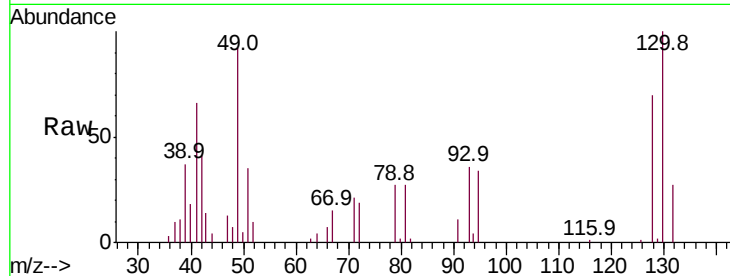




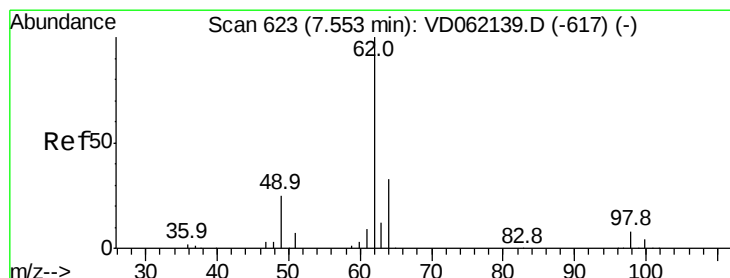
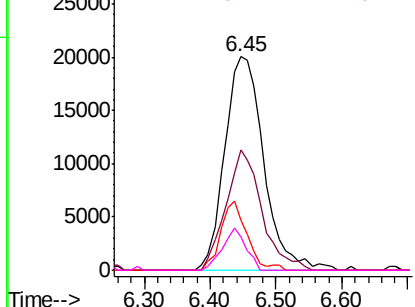
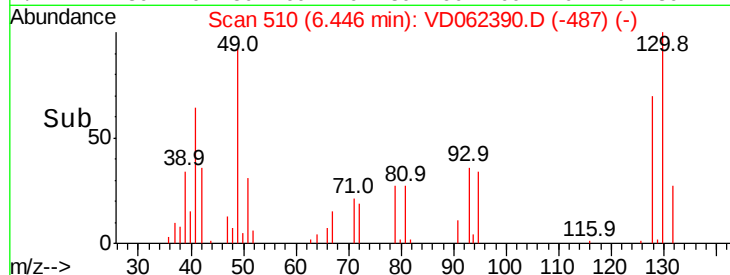
#41
Methacrylonitrile
Concen: 21.563 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

Tot Ion: 41 Resp: 83017
Ion Ratio Lower Upper
41 100
39 56.6 34.1 51.1#
67 23.1 23.8 35.6#
52 15.6 8.8 13.2#

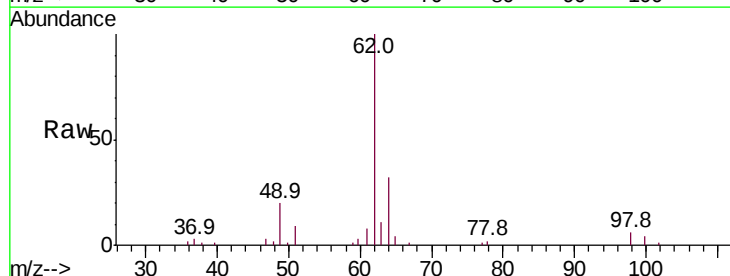


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

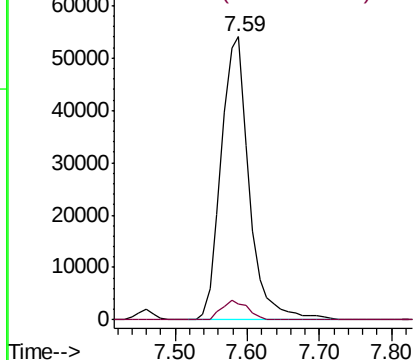
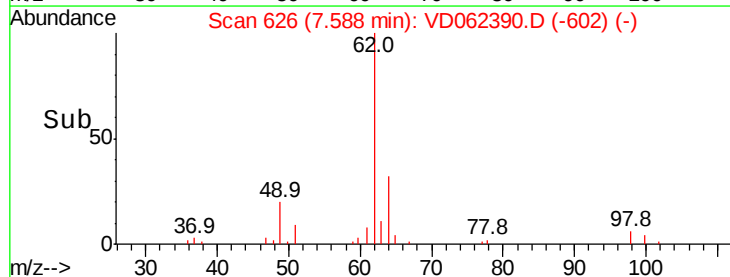


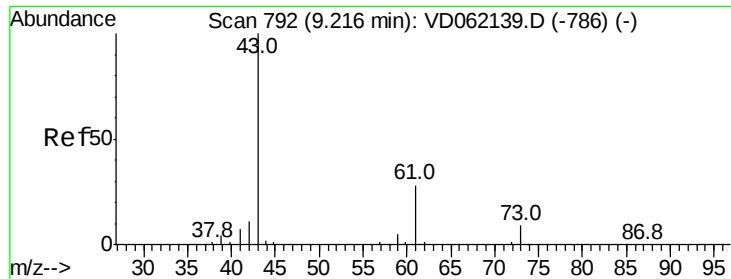
#42
1,2-Dichloroethane
Concen: 20.499 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.04 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Tgt Ion: 62 Resp: 145698
Ion Ratio Lower Upper
62 100
98 5.8 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: 18.807 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.03 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

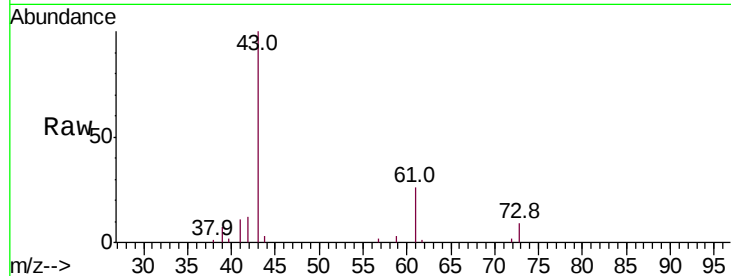
Tot Ion: 43 Resp: 84033

Ion Ratio Lower Upper

43 100

61 26.4 25.1 37.7

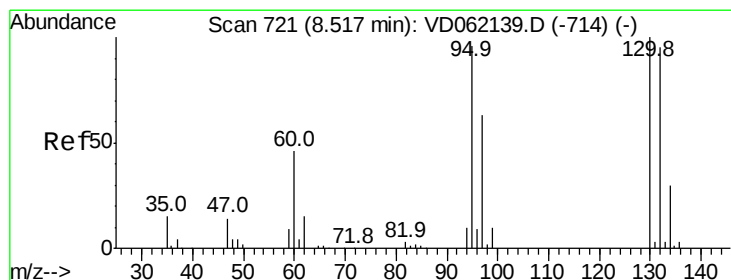
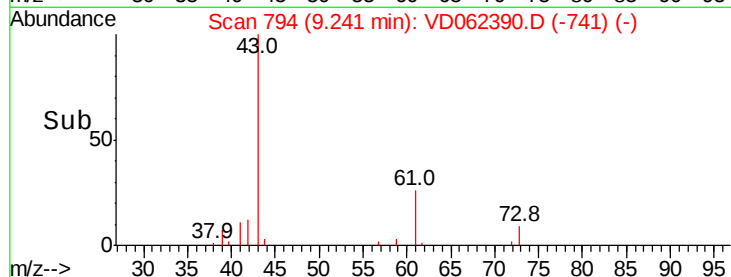
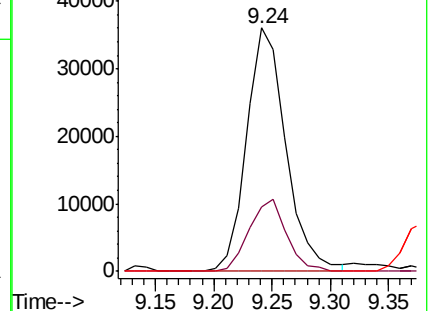
87 0.0 0.0 0.0



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: 16.840 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.03 min

Lab File: VD062390.D

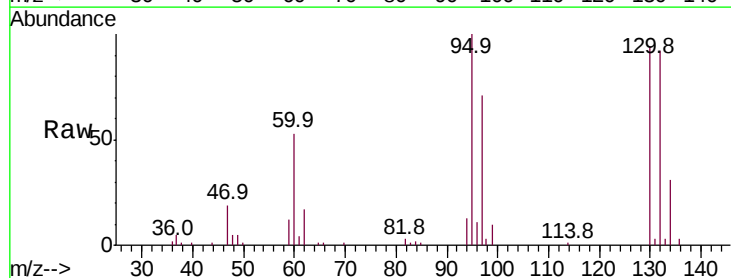
Acq: 15 May 2019 16:10

Tgt Ion: 130 Resp: 107649

Ion Ratio Lower Upper

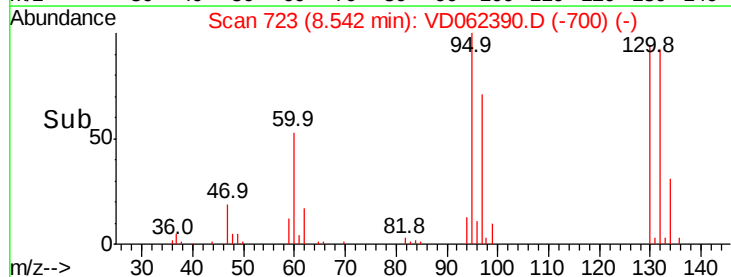
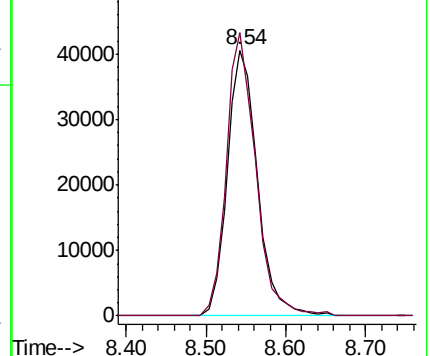
130 100

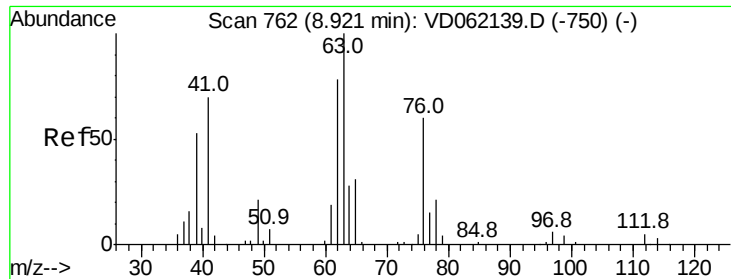
95 106.5 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 17.037 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.03 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

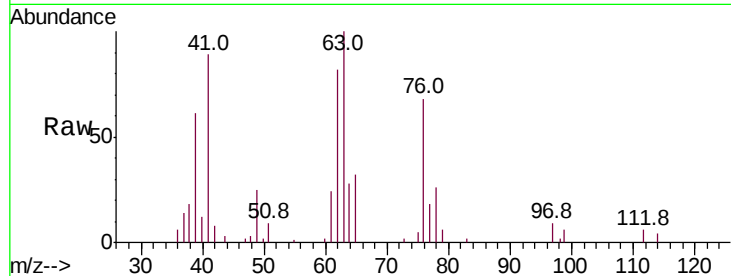
VD0515SBS01

Tot Ion: 63 Resp: 70693

Ion Ratio Lower Upper

63 100

65 31.8 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

25000

20000

15000

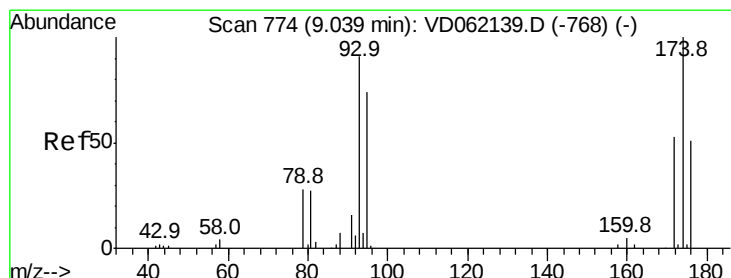
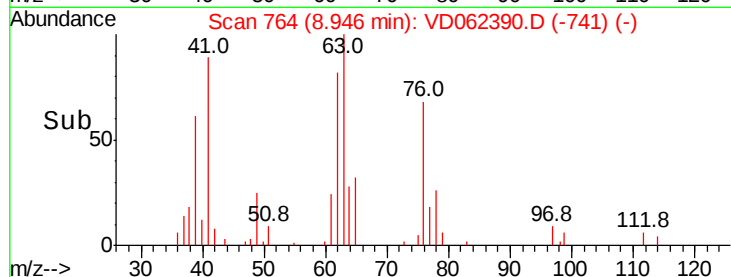
10000

5000

0

Time-->

8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 18.305 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.03 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

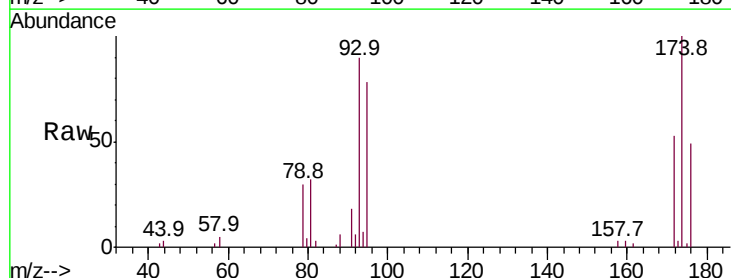
Tgt Ion: 93 Resp: 61767

Ion Ratio Lower Upper

93 100

95 86.8 64.8 97.2

174 110.6 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

30000

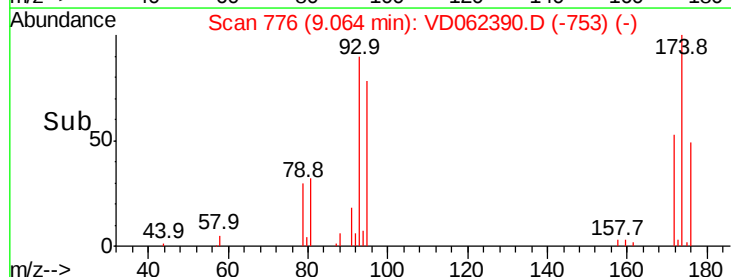
20000

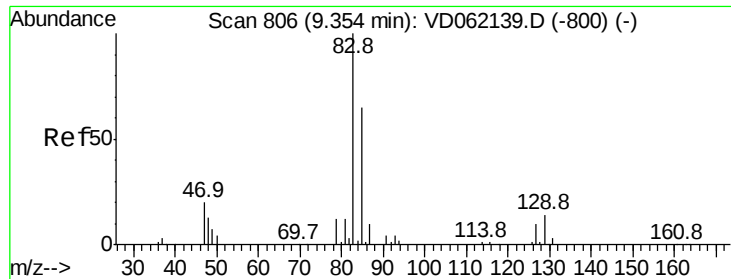
10000

0

Time-->

9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 20.050 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.03 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

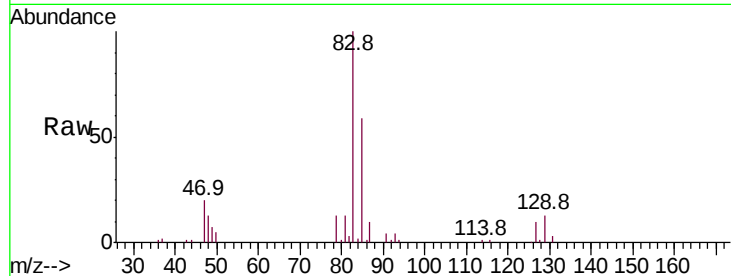
Tot Ion: 83 Resp: 165482

Ion Ratio Lower Upper

83 100

85 59.3 50.9 76.3

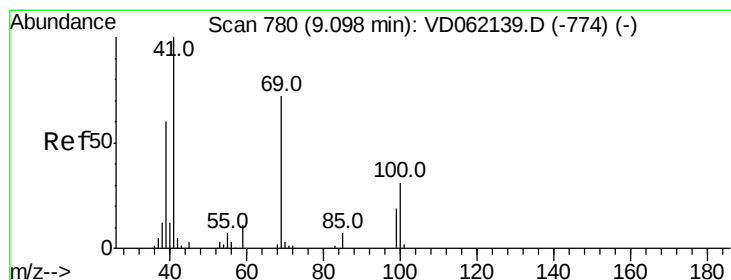
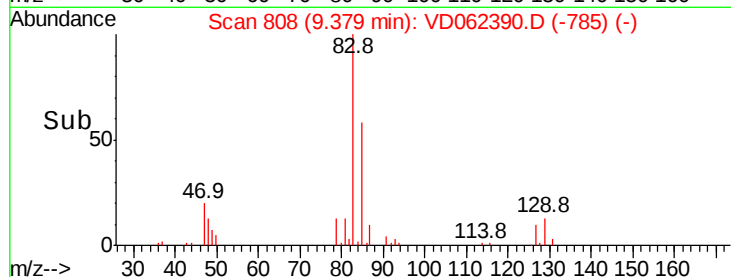
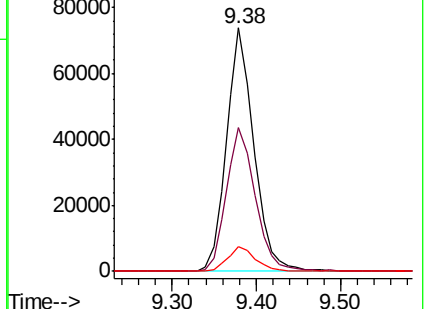
127 10.3 8.1 12.1



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: 20.002 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.03 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

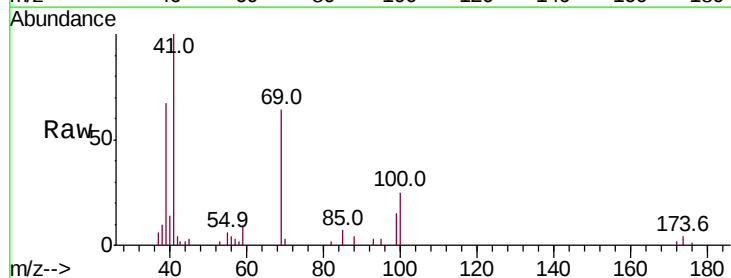
Tgt Ion: 41 Resp: 55049

Ion Ratio Lower Upper

41 100

69 63.7 64.2 96.2#

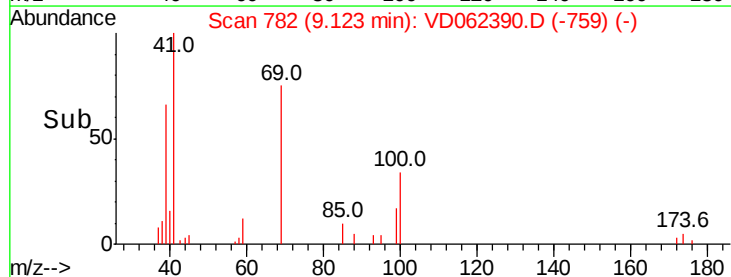
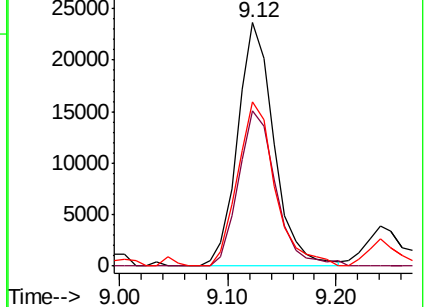
39 67.3 46.8 70.2

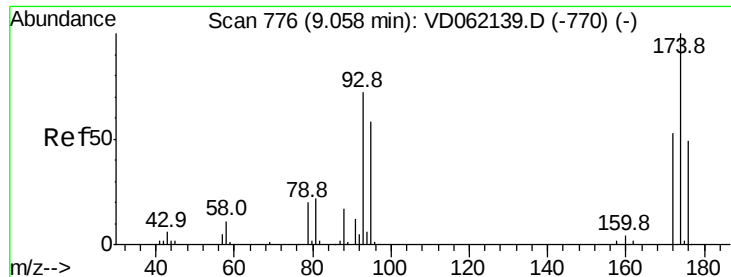


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

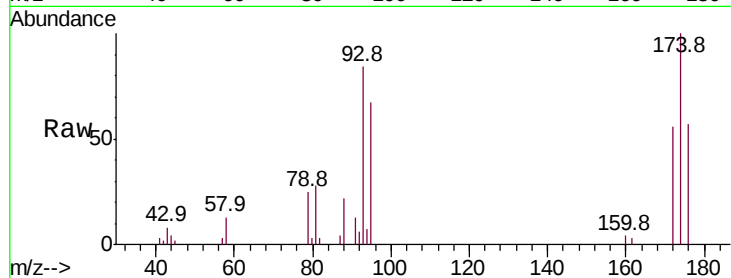




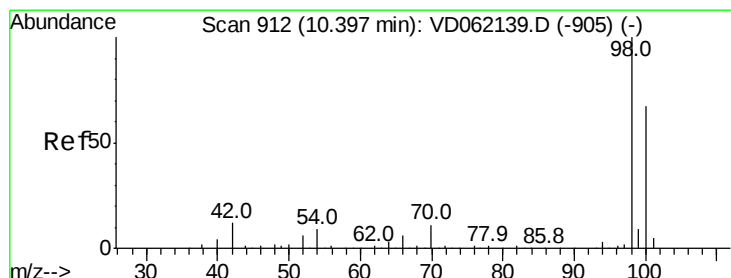
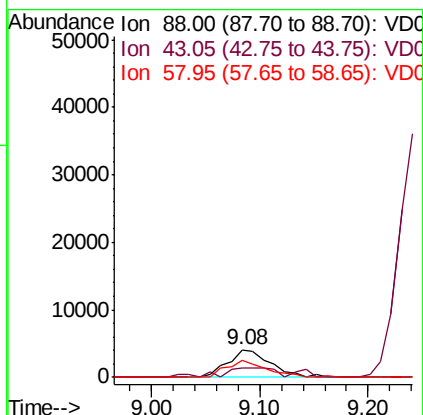
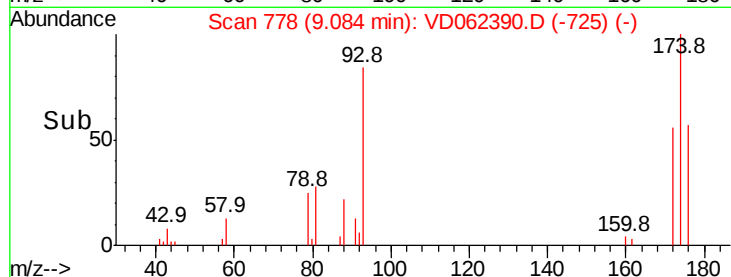
#49
 1,4-Dioxane
 Concen: 375.152 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.03 min
 Lab File: VD062390.D
 Acq: 15 May 2019 16:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Tot Ion: 88 Resp: 11140
 Ion Ratio Lower Upper
 88 100
 43 34.2 23.4 35.0
 58 59.7 44.0 66.0

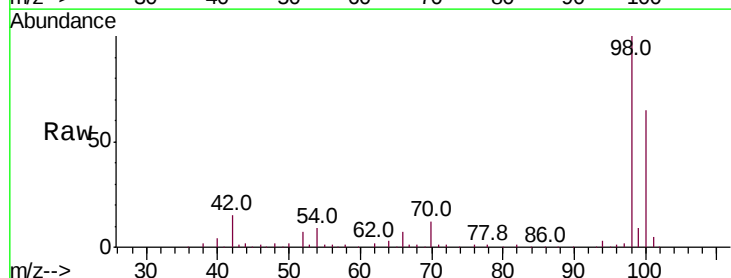


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

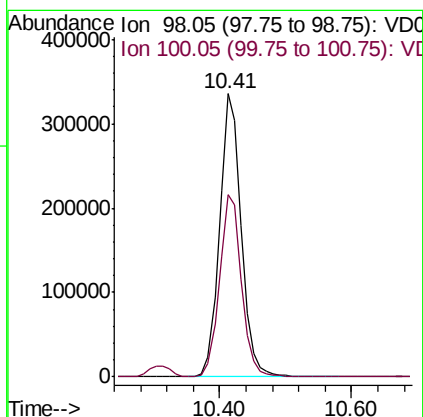
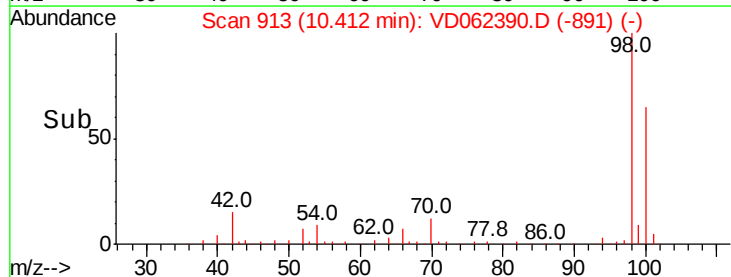


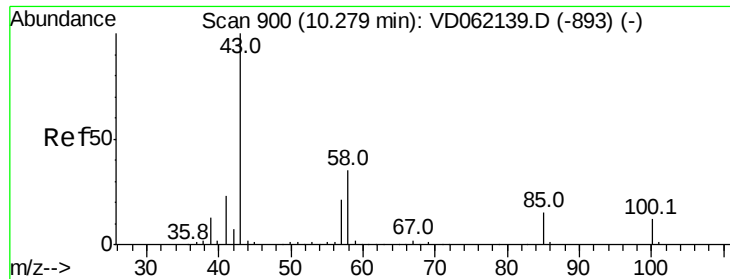
#50
 Toluene-d8
 Concen: 42.172 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. 0.02 min
 Lab File: VD062390.D
 Acq: 15 May 2019 16:10

Tgt Ion: 98 Resp: 764401
 Ion Ratio Lower Upper
 98 100
 100 64.6 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: 100.574 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.03 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleID :

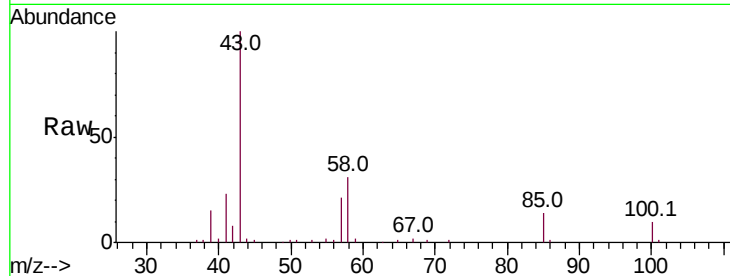
VD0515SBS01

Tot Ion: 43 Resp: 288862

Ion Ratio Lower Upper

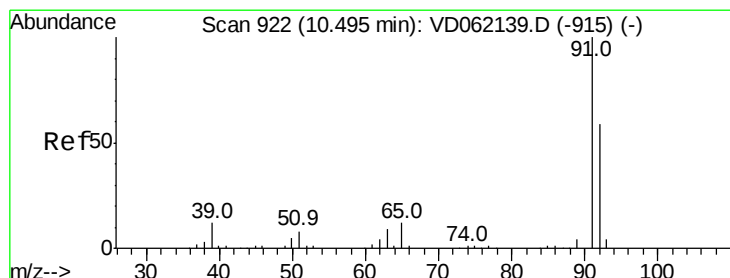
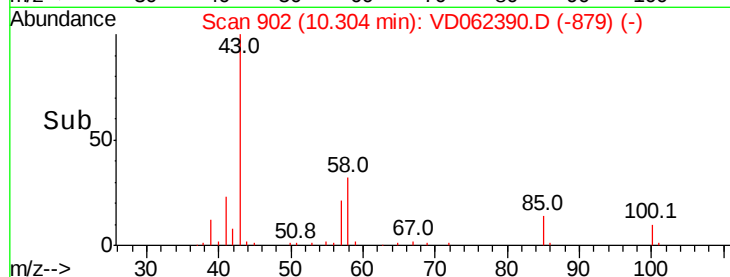
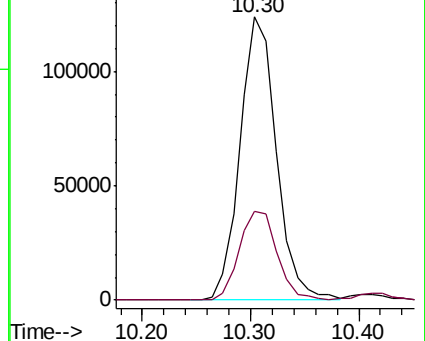
43 100

58 31.5 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: 17.724 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD062390.D

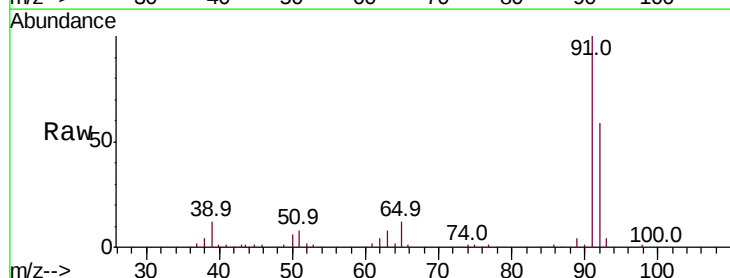
Acq: 15 May 2019 16:10

Tgt Ion: 92 Resp: 193456

Ion Ratio Lower Upper

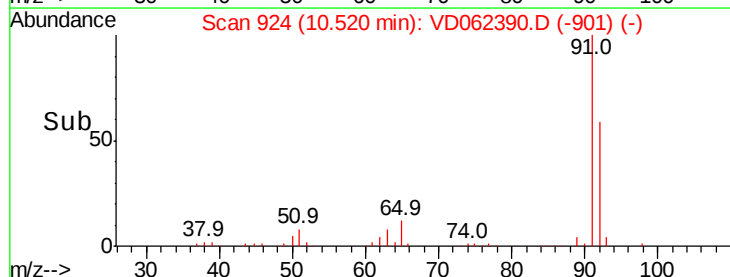
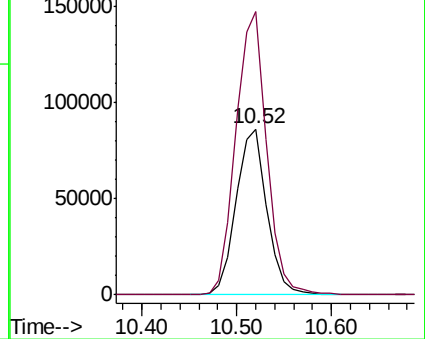
92 100

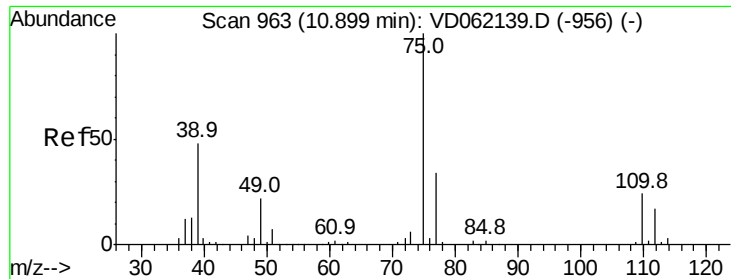
91 170.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

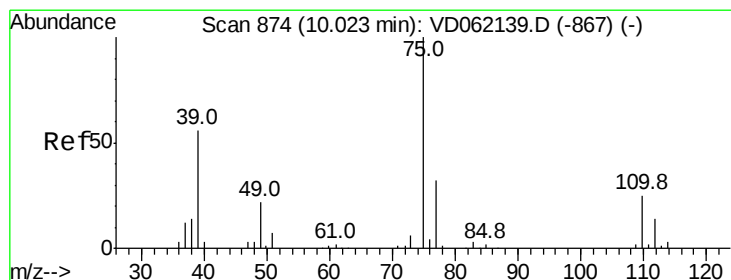
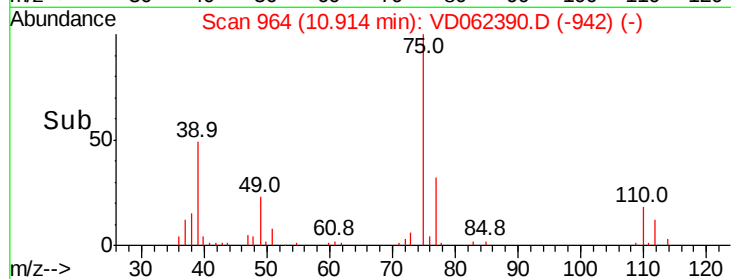
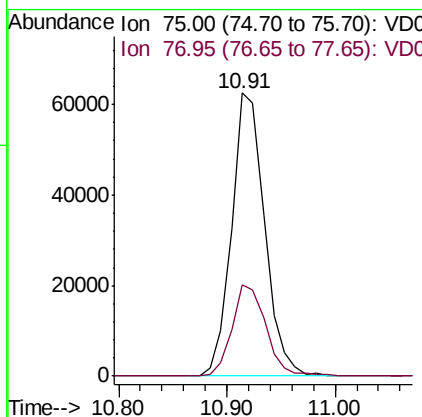
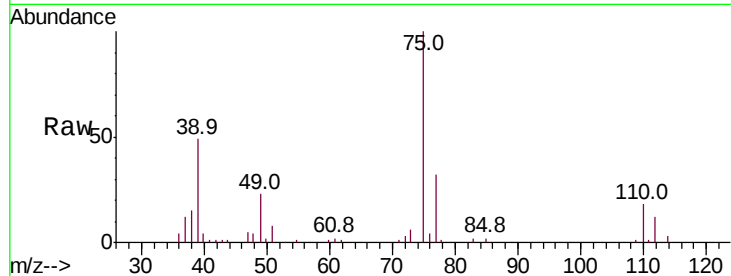




#53
t-1,3-Dichloropropene
Concen: 18.590 ug/l
RT: 10.91 min Scan# 964
Delta R.T. 0.02 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

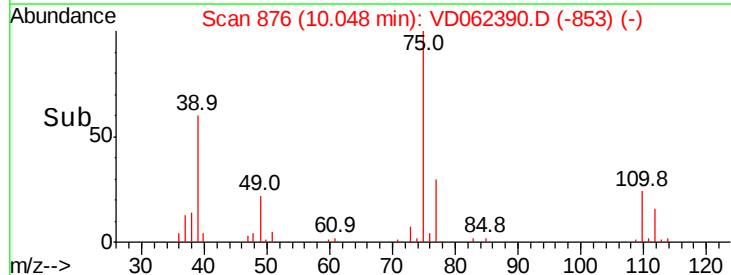
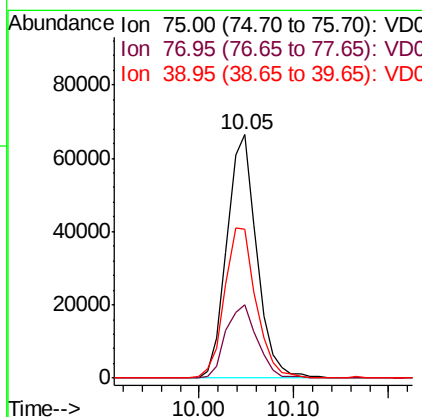
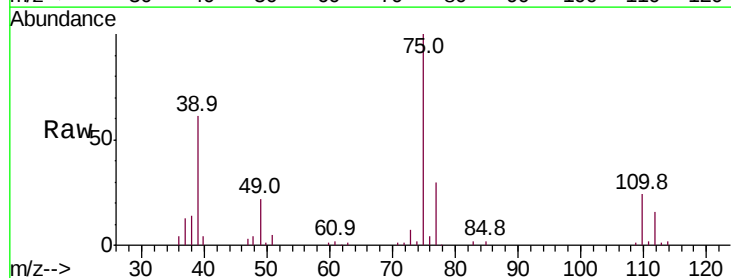
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBSD01

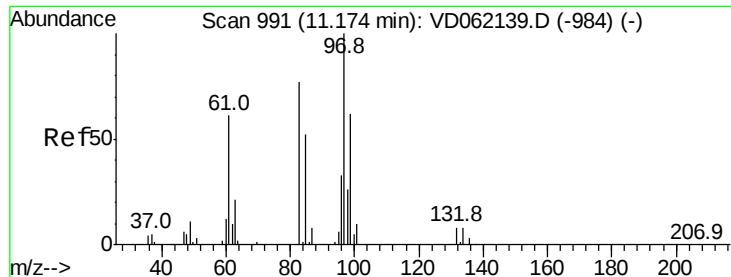
Tot Ion: 75 Resp: 132612
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 18.666 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.03 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Tgt Ion: 75 Resp: 145259
Ion Ratio Lower Upper
75 100
77 30.4 25.5 38.3
39 61.0 39.4 59.2#

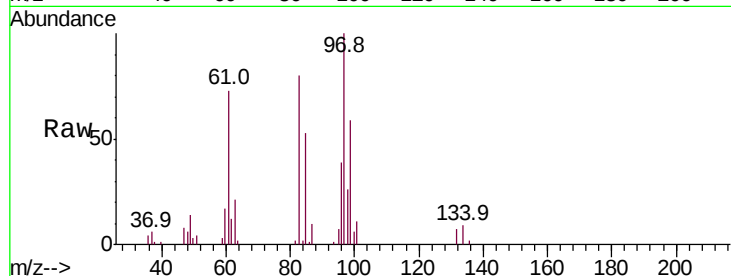




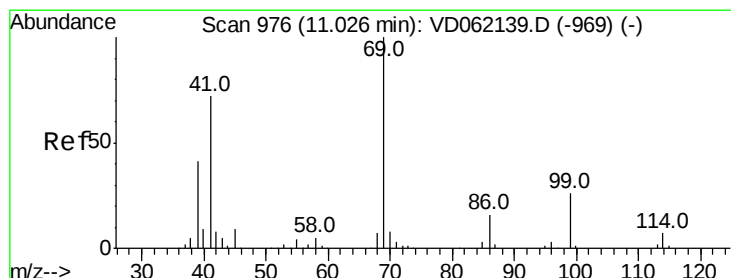
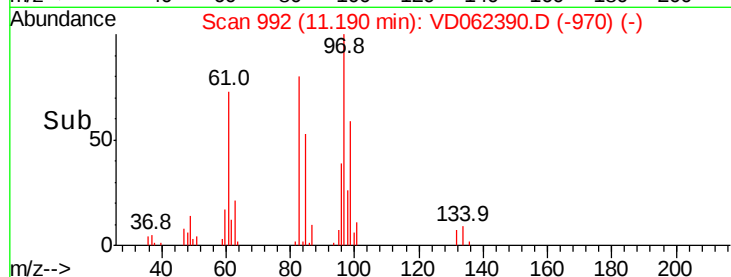
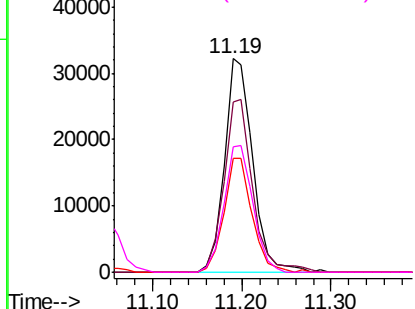
#55
1,1,2-Trichloroethane
Concen: 18.587 ug/l
RT: 11.19 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

Tot Ion: 97 Resp: 71781
Ion Ratio Lower Upper
97 100
83 79.7 65.7 98.5
85 53.4 45.6 68.4
99 58.7 48.4 72.6

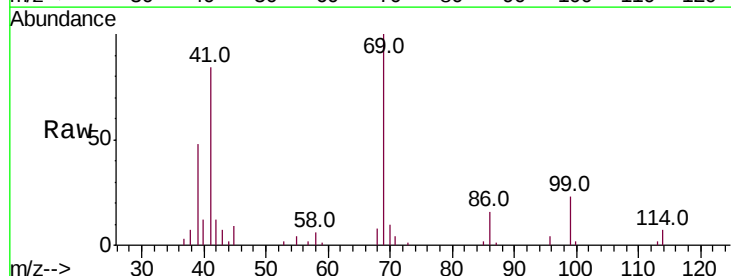


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

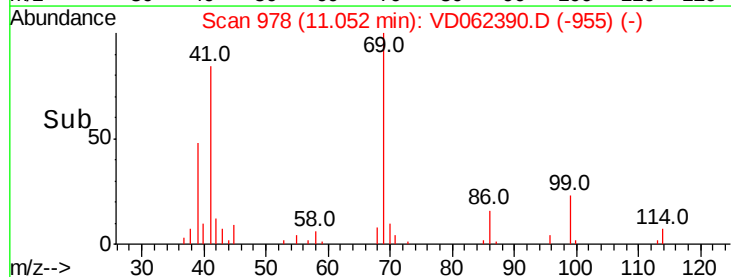
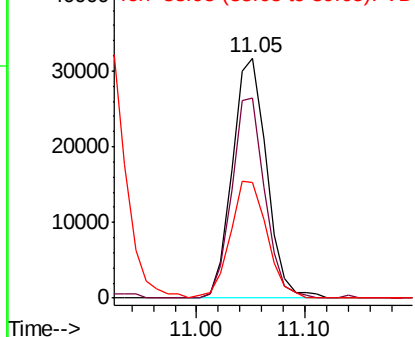


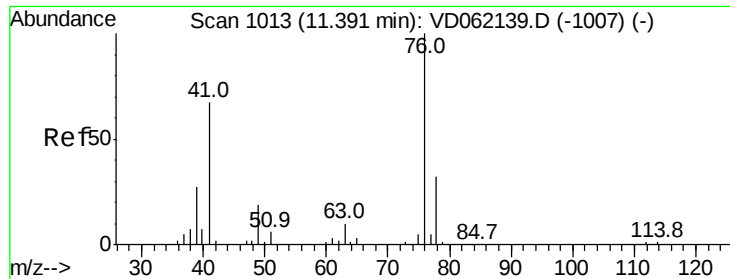
#56
Ethyl methacrylate
Concen: 17.356 ug/l
RT: 11.05 min Scan# 978
Delta R.T. 0.03 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Tgt Ion: 69 Resp: 69651
Ion Ratio Lower Upper
69 100
41 83.6 56.3 84.5
39 48.3 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: 18.533 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.03 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

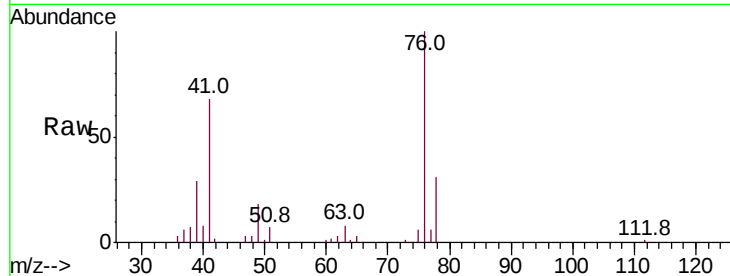
VD0515SBS01

Tot Ion: 76 Resp: 108129

Ion Ratio Lower Upper

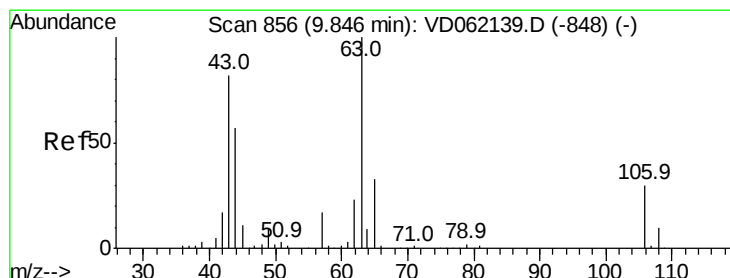
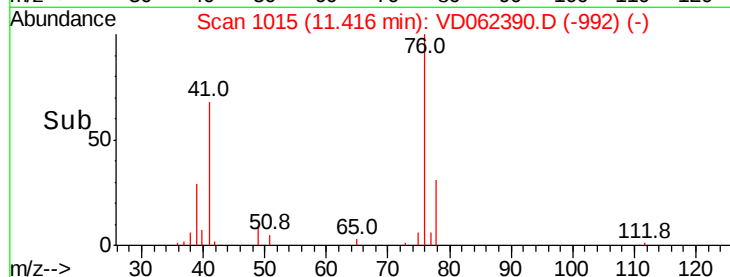
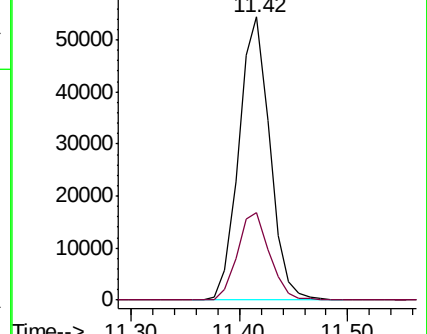
76 100

78 31.0 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 108.709 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.02 min

Lab File: VD062390.D

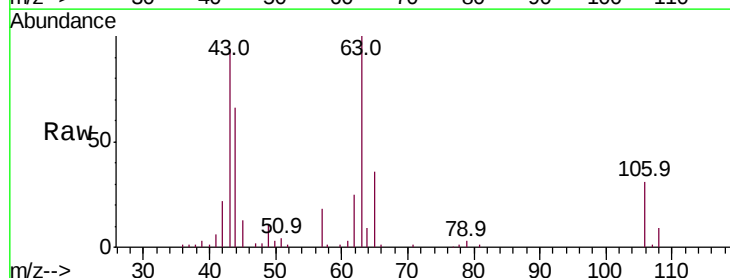
Acq: 15 May 2019 16:10

Tgt Ion: 63 Resp: 238299

Ion Ratio Lower Upper

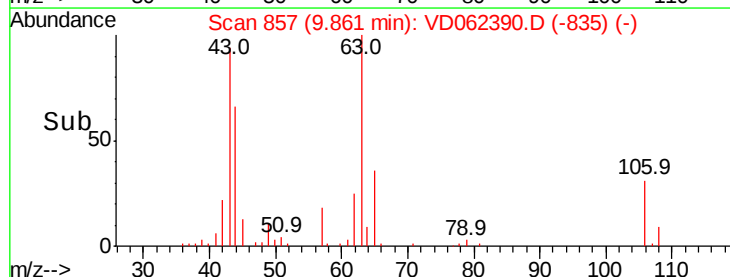
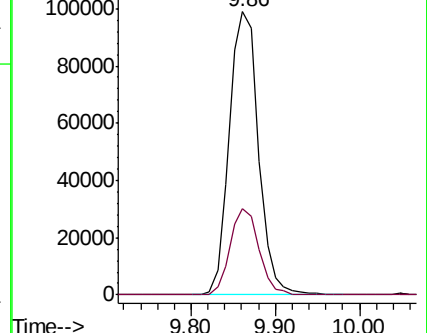
63 100

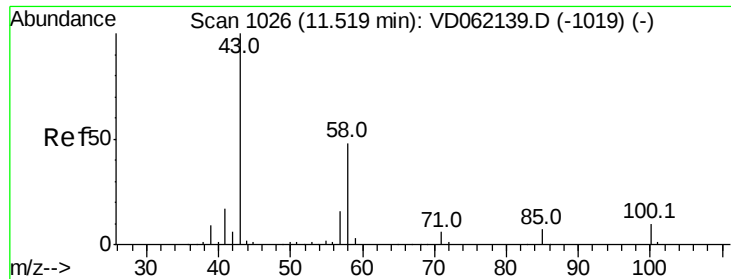
106 30.5 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

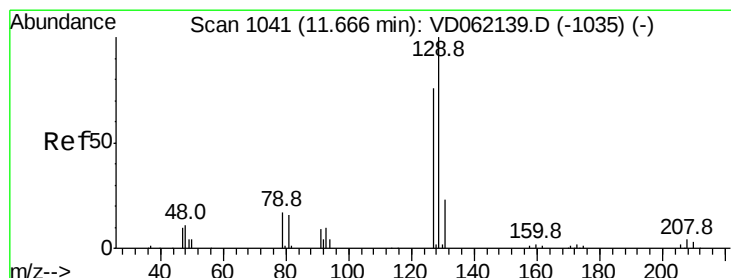
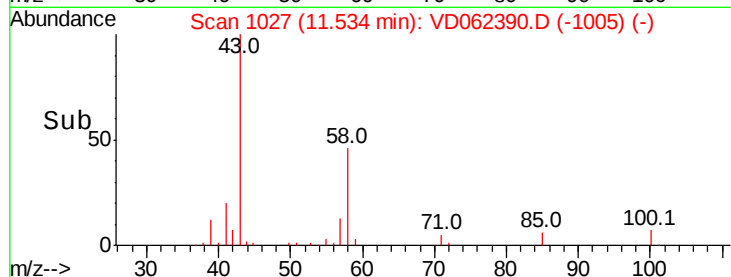
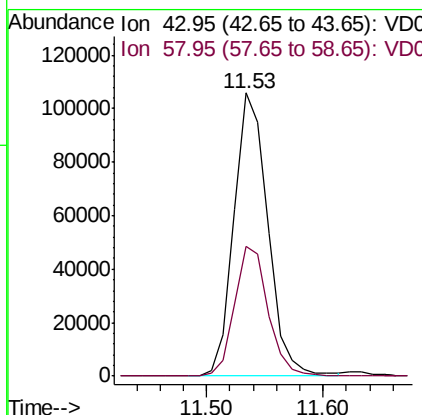
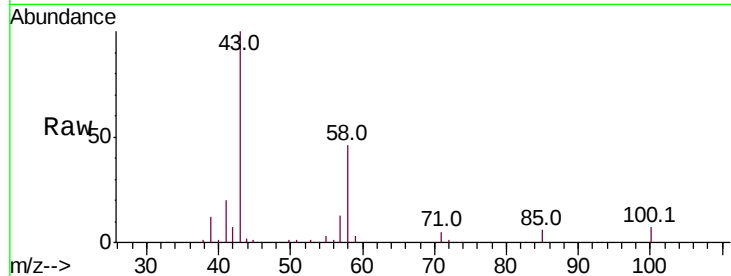




#59
2-Hexanone
Concen: 100.797 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

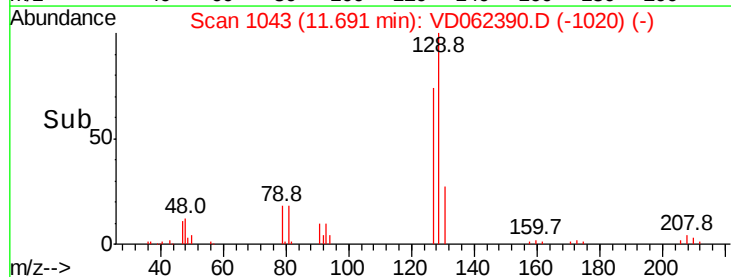
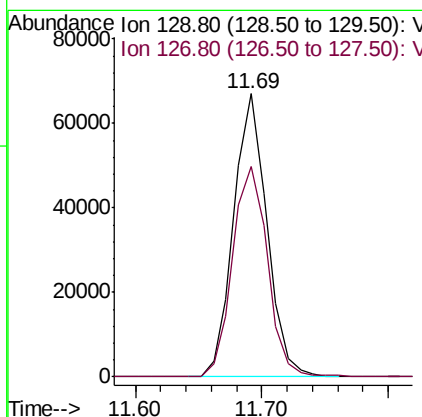
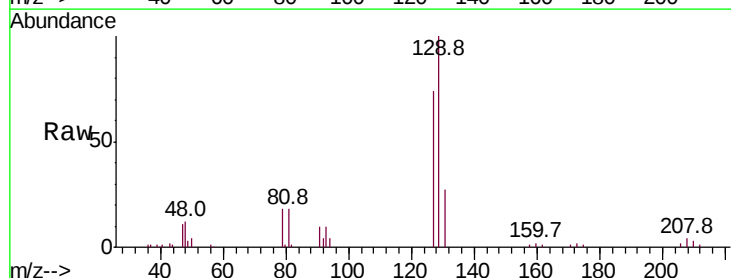
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

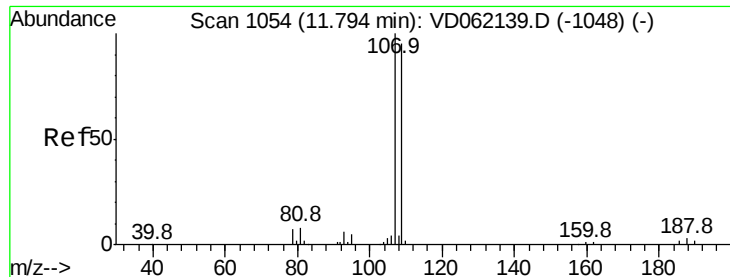
Tot Ion: 43 Resp: 213376
Ion Ratio Lower Upper
43 100
58 45.8 25.4 76.4



#60
Dibromochloromethane
Concen: 18.269 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.03 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Tgt Ion: 129 Resp: 121929
Ion Ratio Lower Upper
129 100
127 74.3 38.0 113.9

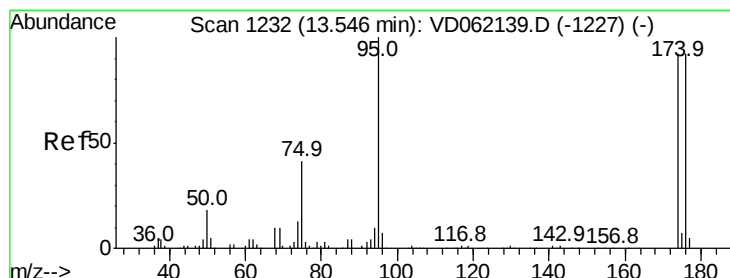
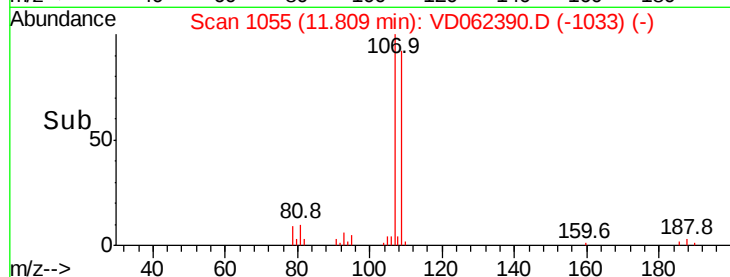
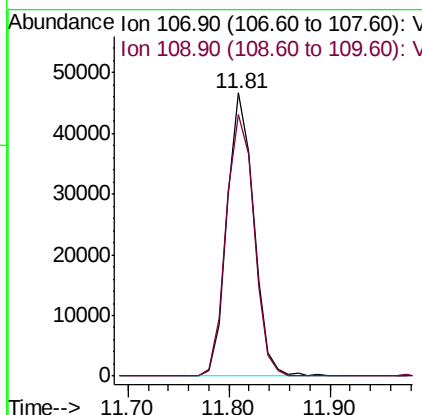
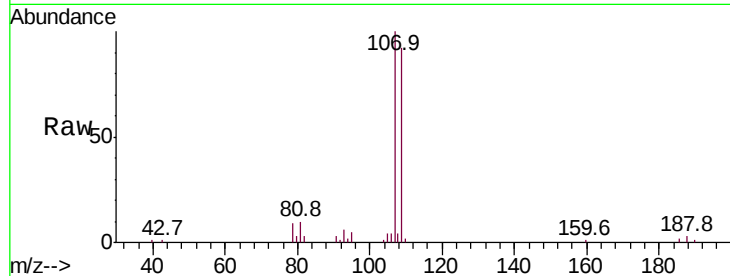




#61
1,2-Dibromoethane
Concen: 18.241 ug/l
RT: 11.81 min Scan# 1055
Delta R.T. 0.02 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

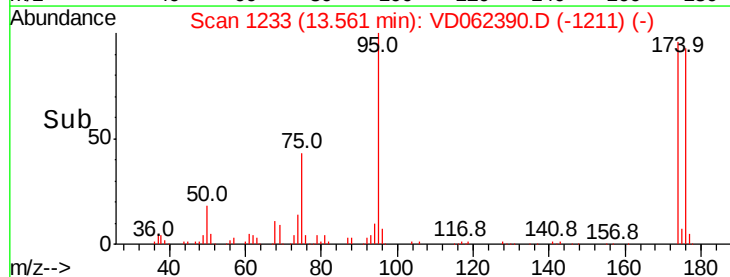
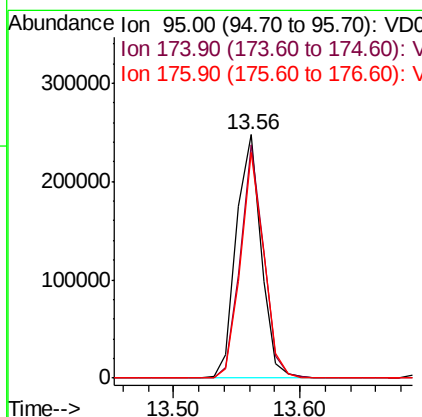
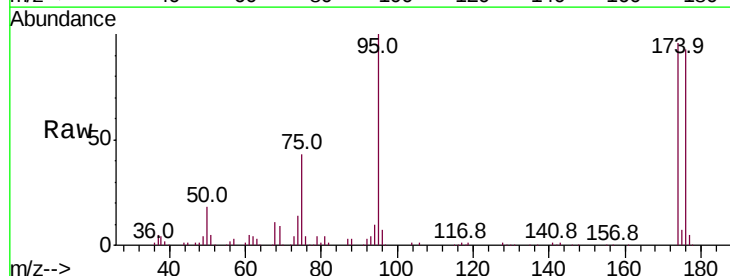
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBSD01

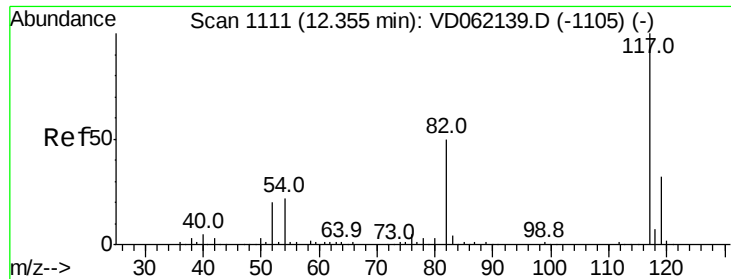
Tot Ion:107 Resp: 85644
Ion Ratio Lower Upper
107 100
109 92.4 78.3 117.5



#62
4-Bromofluorobenzene
Concen: 45.992 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Tgt Ion: 95 Resp: 334763
Ion Ratio Lower Upper
95 100
174 95.9 0.0 181.8
176 92.6 0.0 174.4

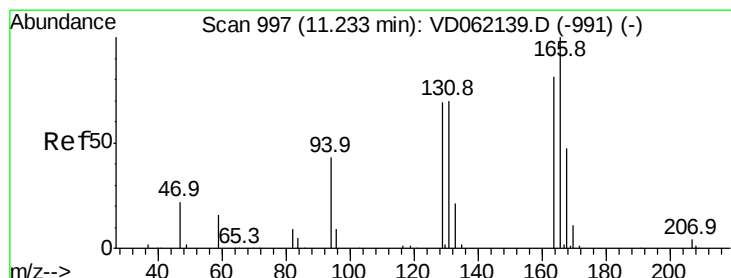
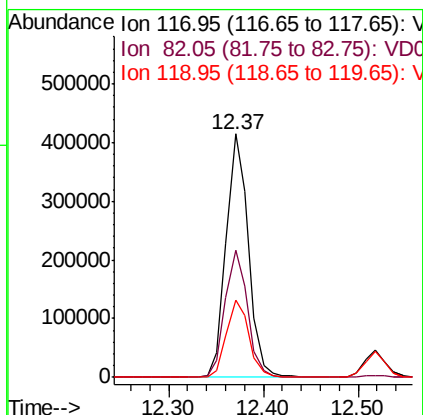
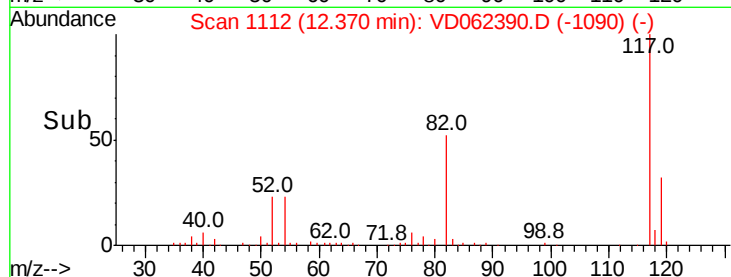
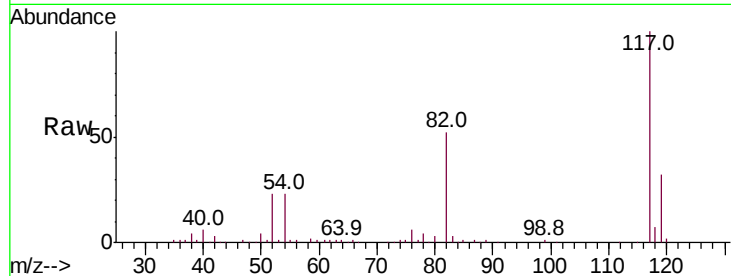




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

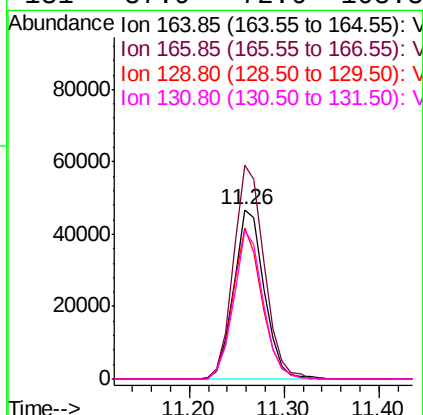
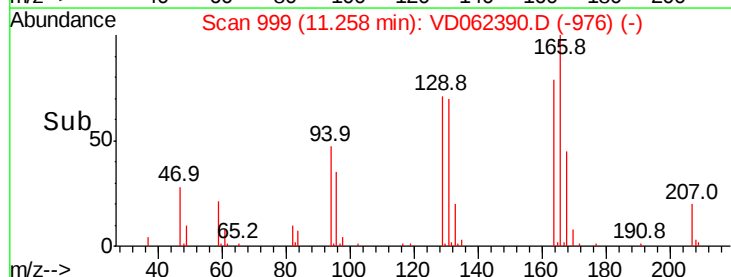
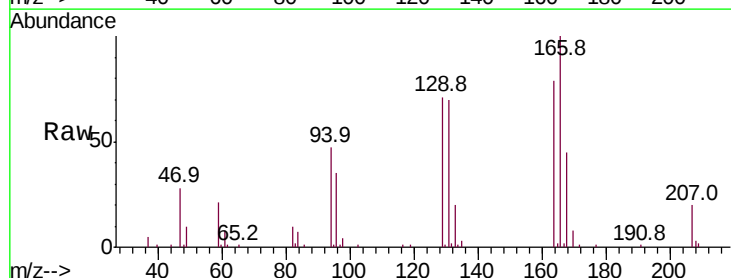
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

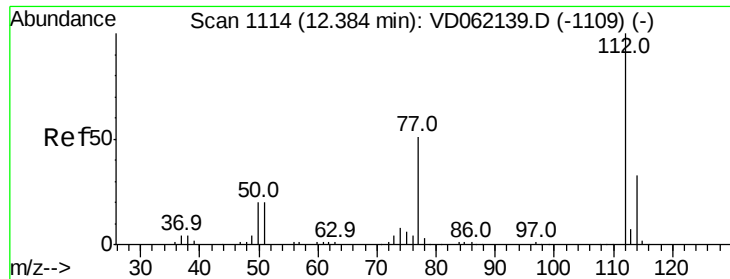
Tot Ion:117 Resp: 676408
Ion Ratio Lower Upper
117 100
82 52.3 36.2 54.2
119 31.6 26.2 39.4



#64
Tetrachloroethene
Concen: 19.637 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.03 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Tgt Ion:164 Resp: 103863
Ion Ratio Lower Upper
164 100
166 126.1 101.5 152.3
129 89.1 74.6 112.0
131 87.9 72.6 108.8

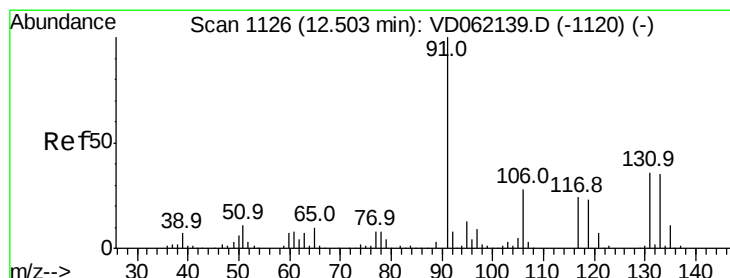
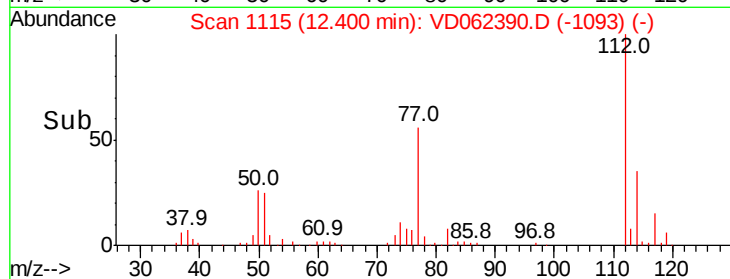
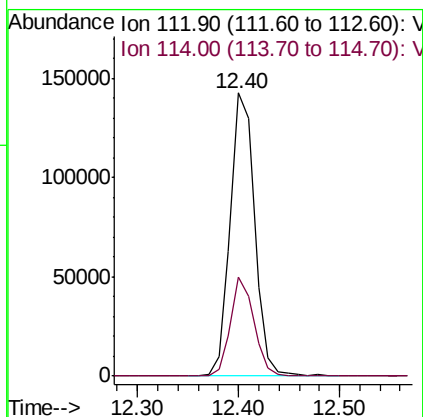
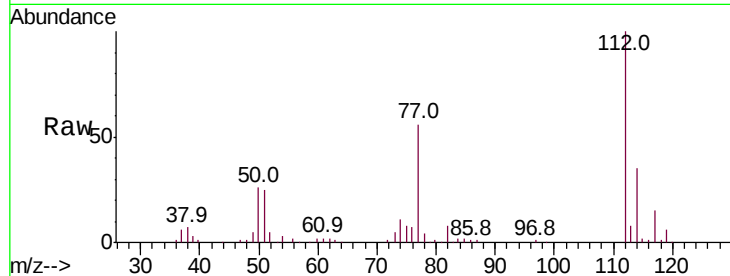




#65
Chlorobenzene
Concen: 18.987 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.02 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

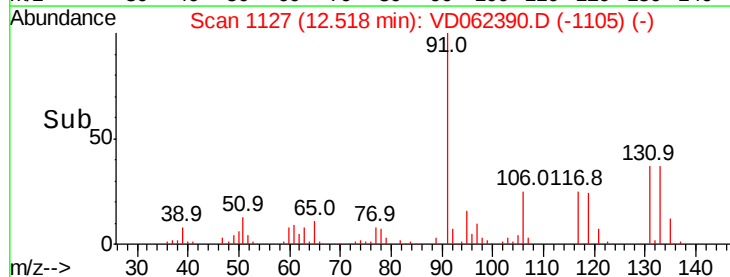
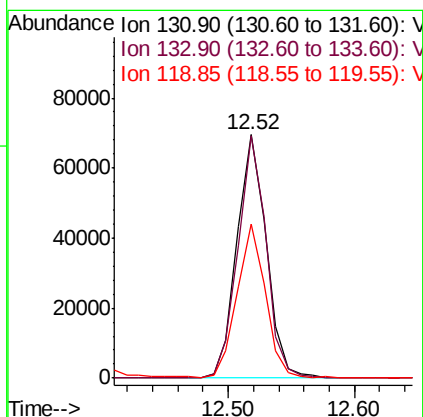
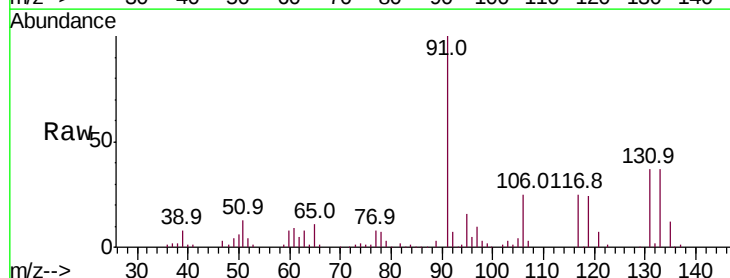
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBSD01

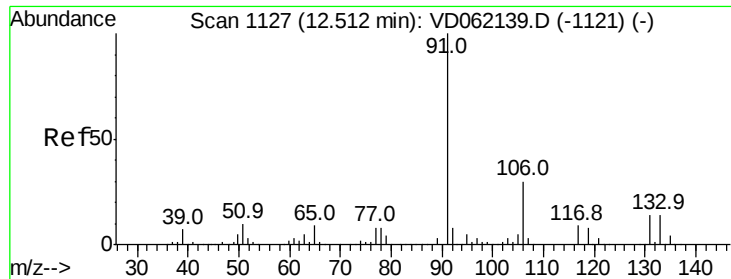
Tot Ion:112 Resp: 239200
Ion Ratio Lower Upper
112 100
114 35.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.422 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Tgt Ion:131 Resp: 111975
Ion Ratio Lower Upper
131 100
133 99.4 48.6 145.8
119 63.3 34.7 104.1

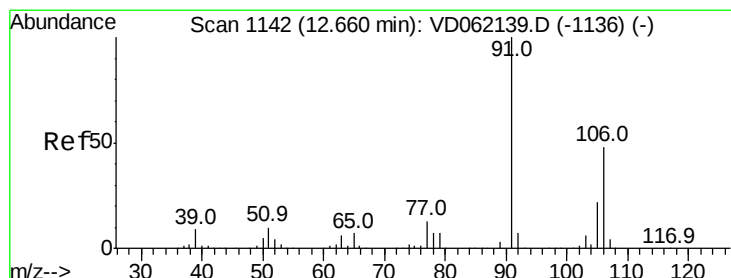
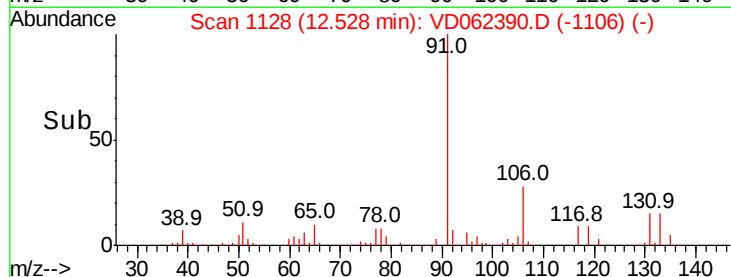
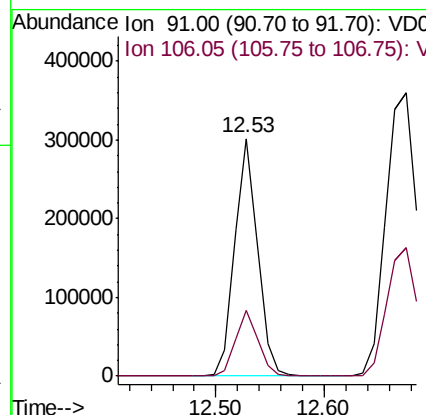
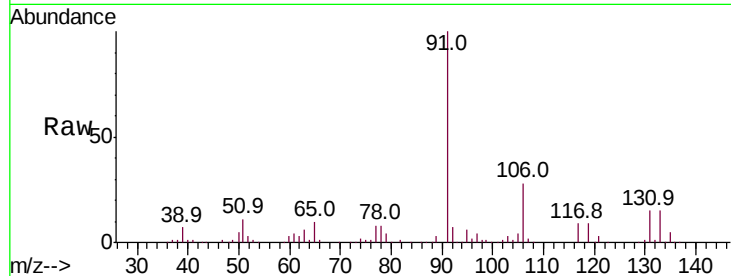




#67
Ethyl Benzene
Concen: 21.136 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

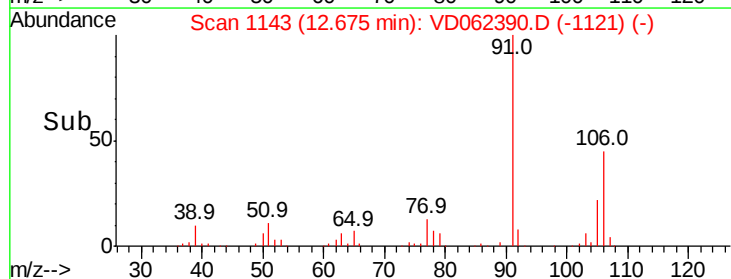
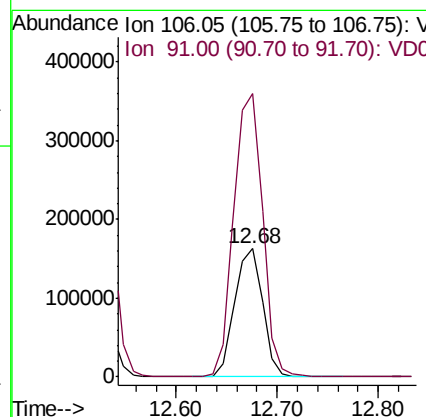
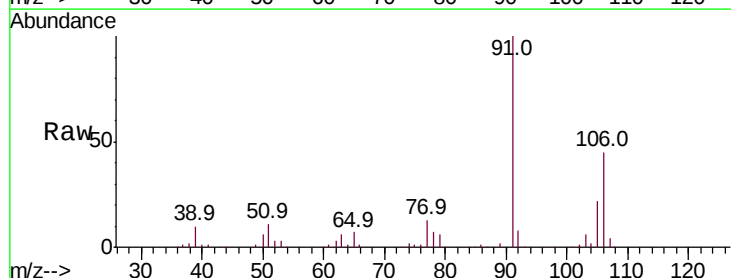
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

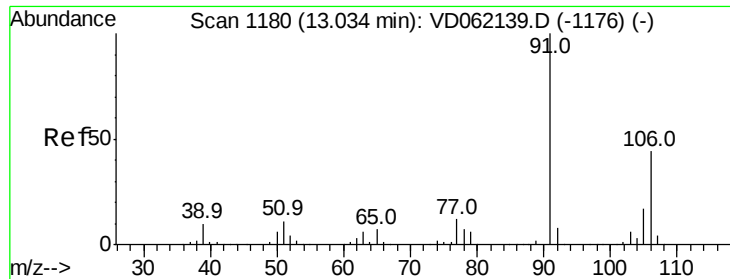
Tot Ion: 91 Resp: 445792
Ion Ratio Lower Upper
91 100
106 27.8 24.7 37.1



#68
m/p-Xylenes
Concen: 40.880 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Tgt Ion: 106 Resp: 313692
Ion Ratio Lower Upper
106 100
91 220.5 164.0 246.0

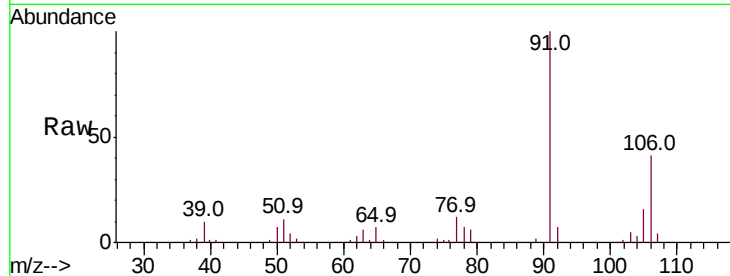




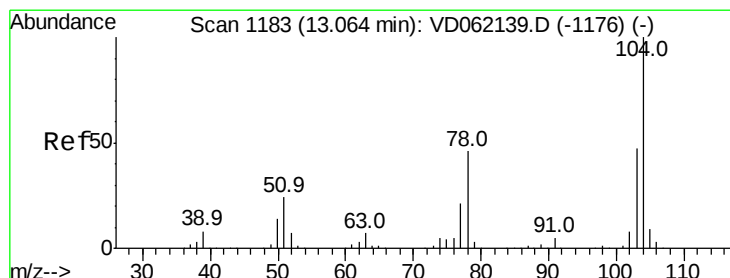
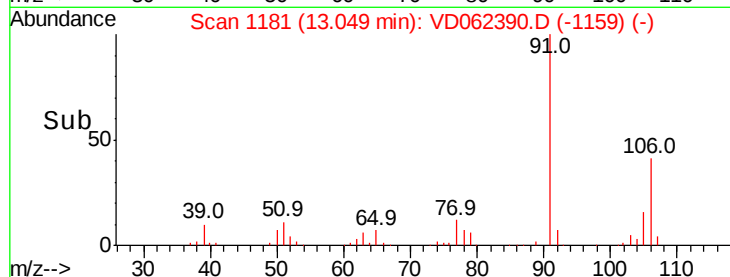
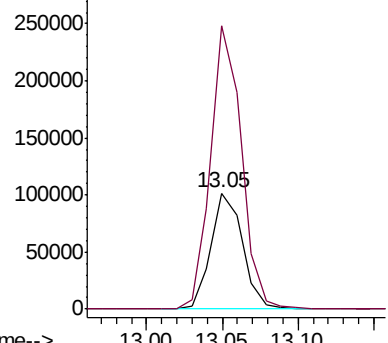
#69
o-Xylene
Concen: 20.746 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

Tot Ion:106 Resp: 147999
Ion Ratio Lower Upper
106 100
91 243.7 106.7 319.9

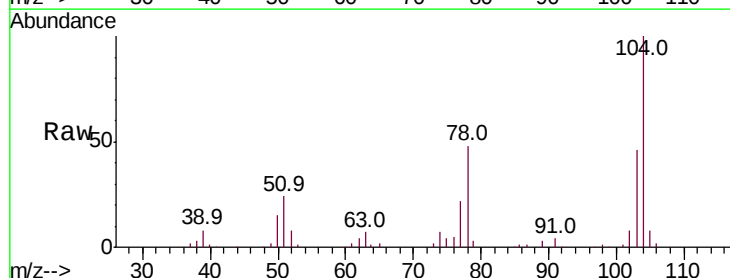


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

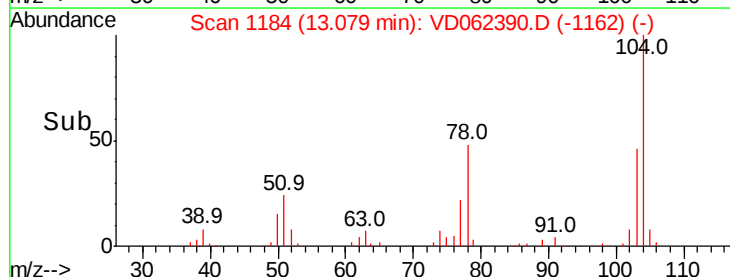
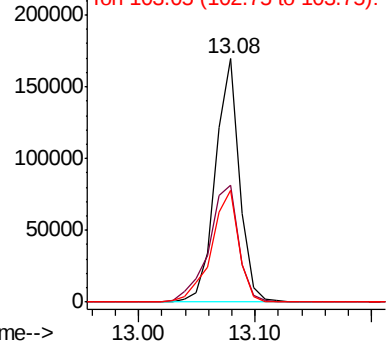


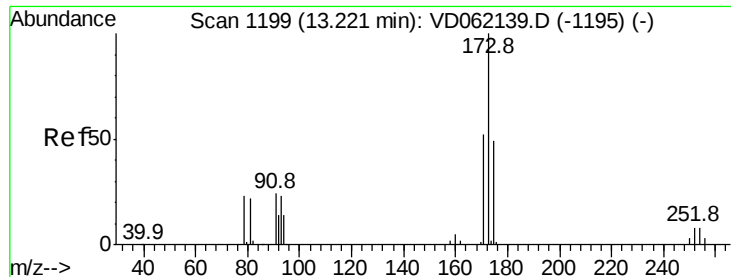
#70
Styrene
Concen: 20.050 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.02 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Tgt Ion:104 Resp: 242301
Ion Ratio Lower Upper
104 100
78 47.9 35.4 53.2
103 46.0 37.5 56.3



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





#71

Bromoform

Concen: 20.316 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.02 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleID :

VD0515SBSD01

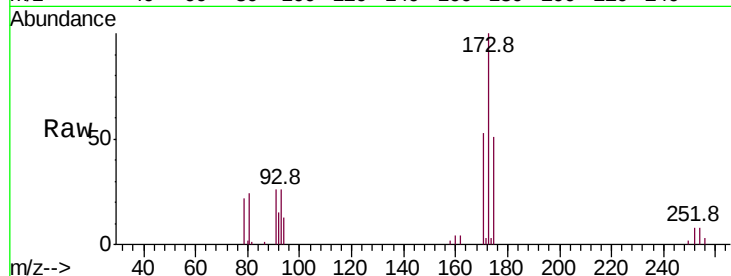
Tot Ion:173 Resp: 77501

Ion Ratio Lower Upper

173 100

175 51.4 24.4 73.4

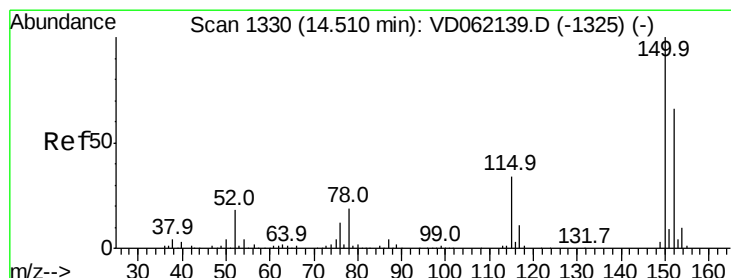
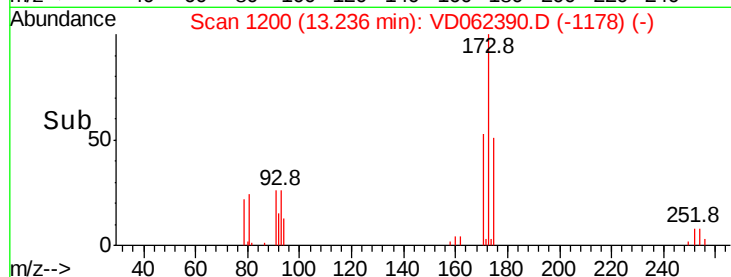
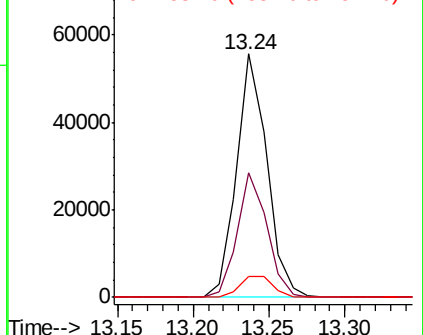
254 8.5 5.4 8.2#



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: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

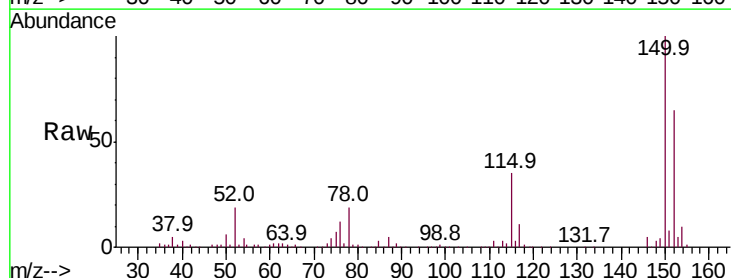
Tgt Ion:152 Resp: 405912

Ion Ratio Lower Upper

152 100

115 54.1 30.9 92.7

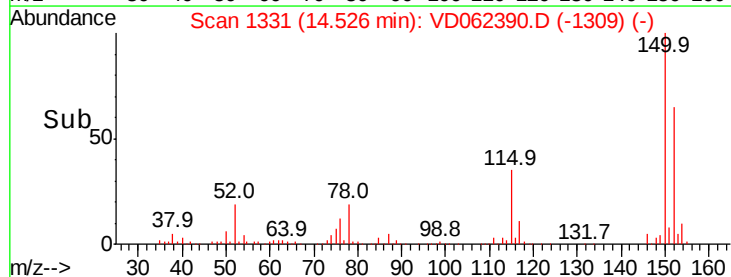
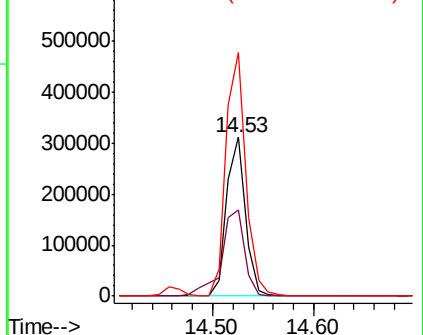
150 153.2 0.0 314.8

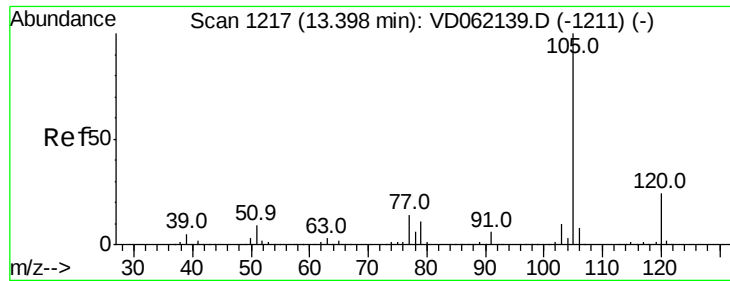


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.869 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

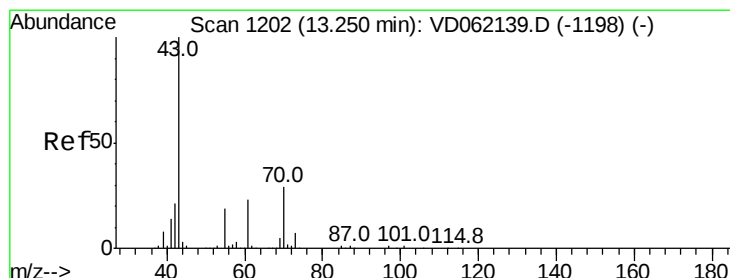
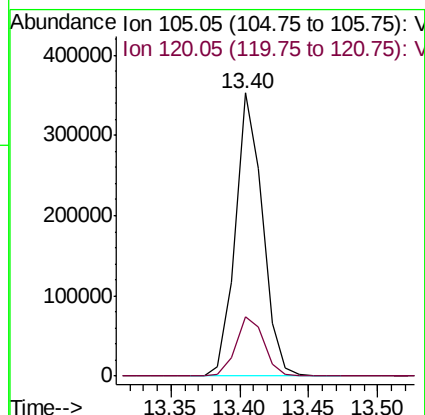
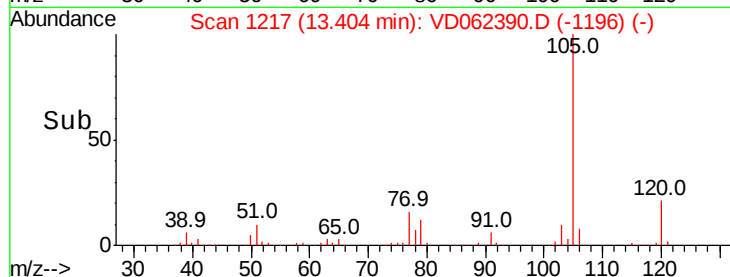
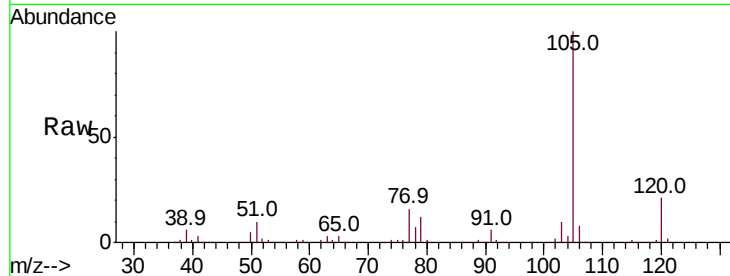
VD0515SBS01

Tot Ion:105 Resp: 483444

Ion Ratio Lower Upper

105 100

120 21.2 12.0 36.1



#74

N-ethyl acetate

Concen: 17.594 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Tgt Ion: 43 Resp: 112238

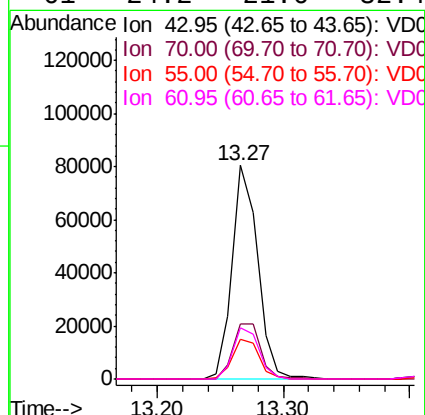
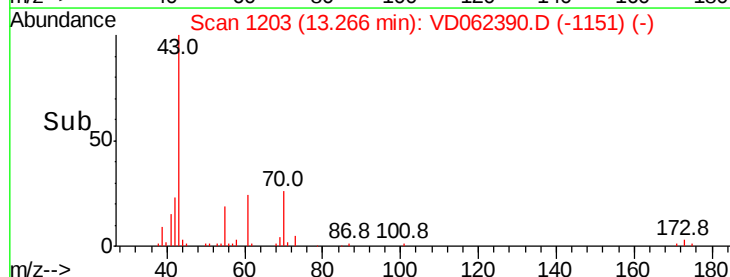
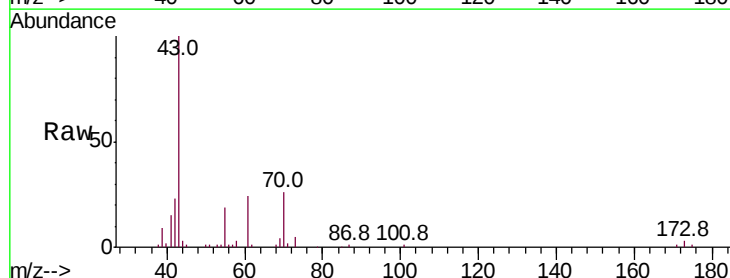
Ion Ratio Lower Upper

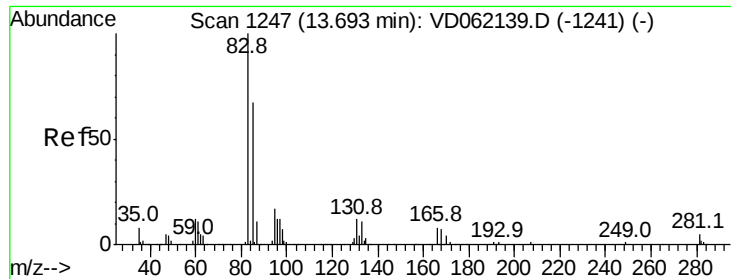
43 100

70 25.7 24.2 36.4

55 18.9 16.0 24.0

61 24.2 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.420 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

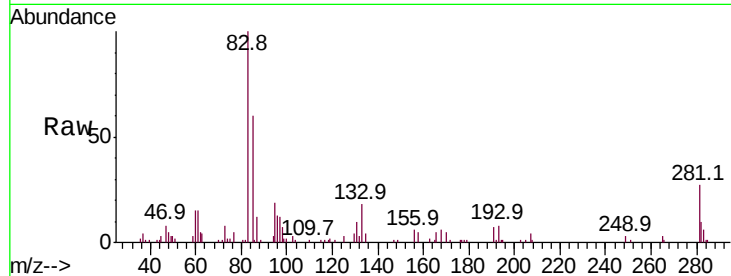
Tot Ion: 83 Resp: 84849

Ion Ratio Lower Upper

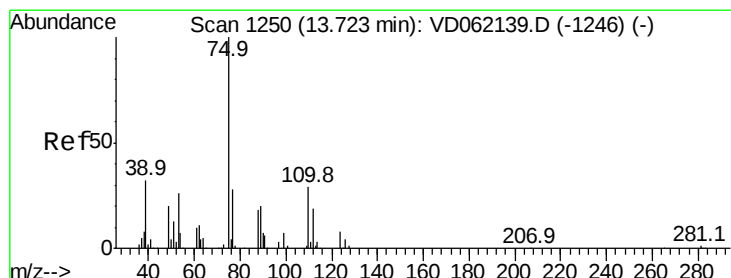
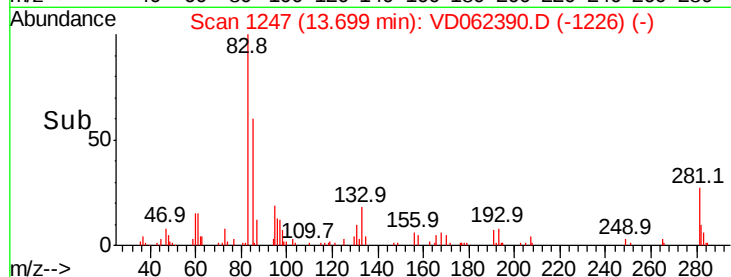
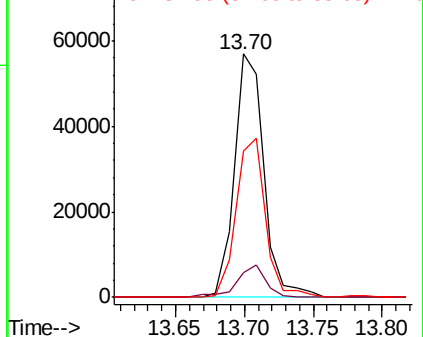
83 100

131 10.2 5.0 14.9

85 60.3 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: 18.794 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.02 min

Lab File: VD062390.D

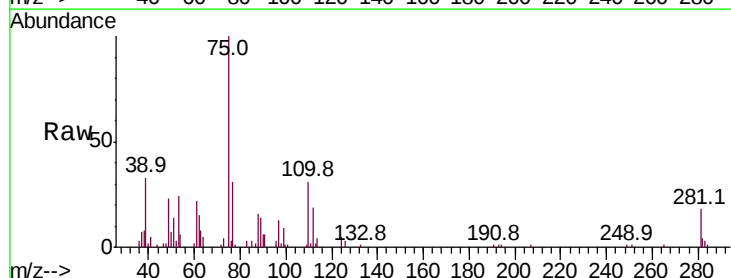
Acq: 15 May 2019 16:10

Tgt Ion: 75 Resp: 90660

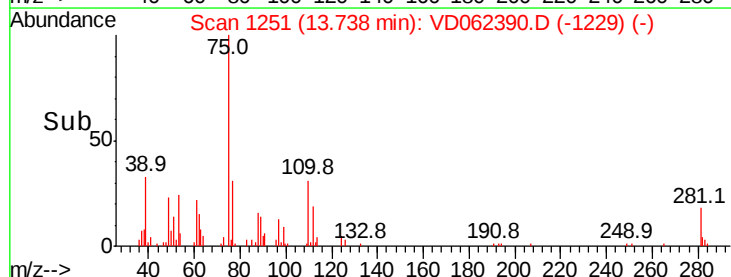
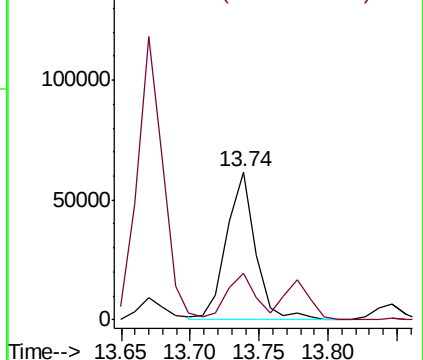
Ion Ratio Lower Upper

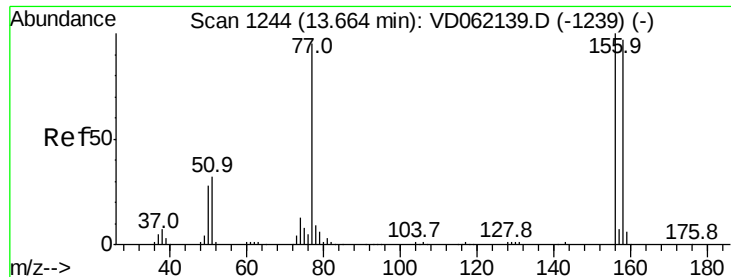
75 100

77 31.1 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: 18.112 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

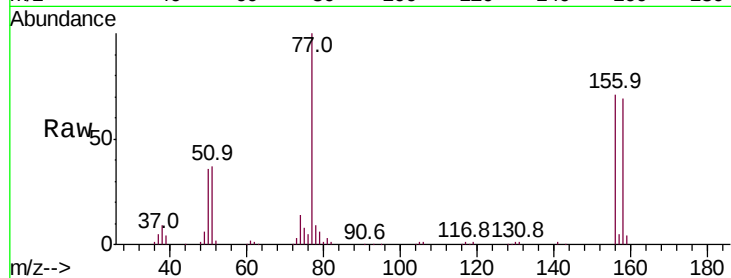
Tot Ion:156 Resp: 123365

Ion Ratio Lower Upper

156 100

77 141.0 53.1 159.4

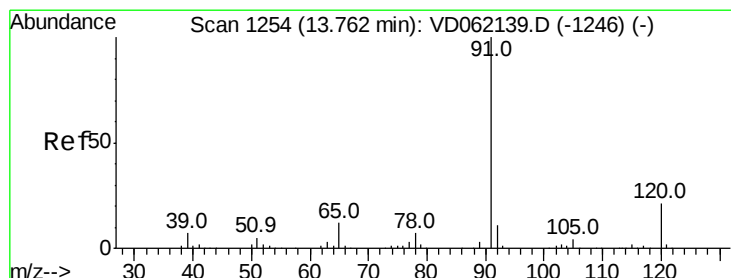
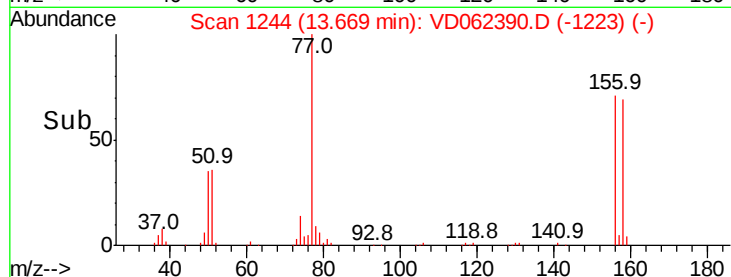
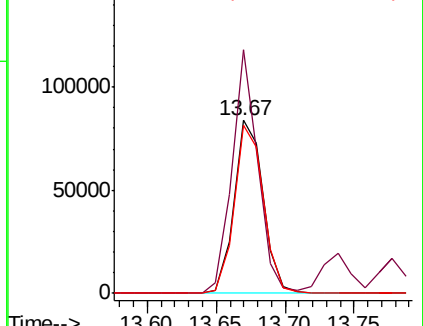
158 97.2 49.4 148.0



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: 19.018 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD062390.D

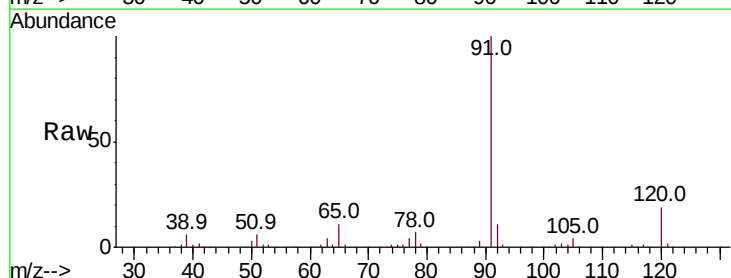
Acq: 15 May 2019 16:10

Tgt Ion: 91 Resp: 551990

Ion Ratio Lower Upper

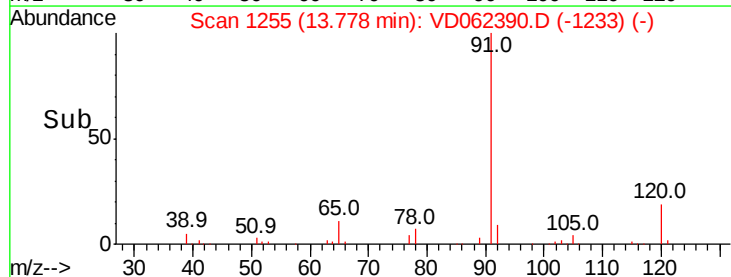
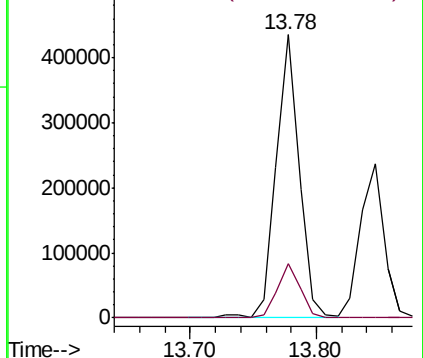
91 100

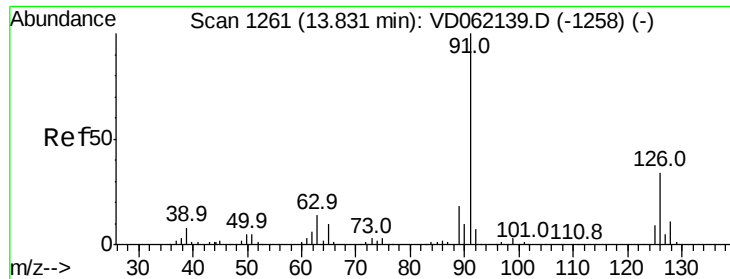
120 19.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

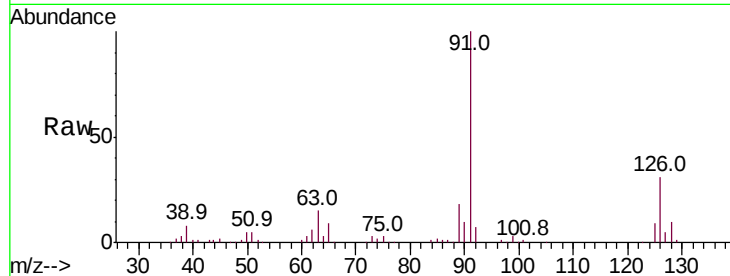




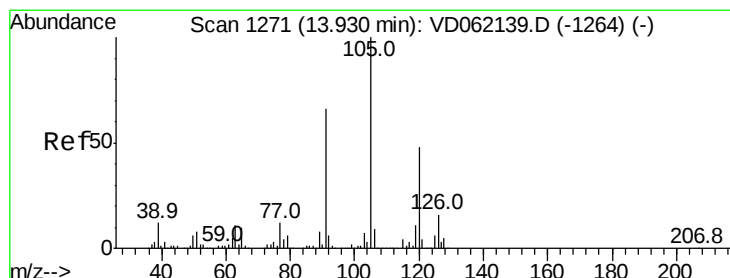
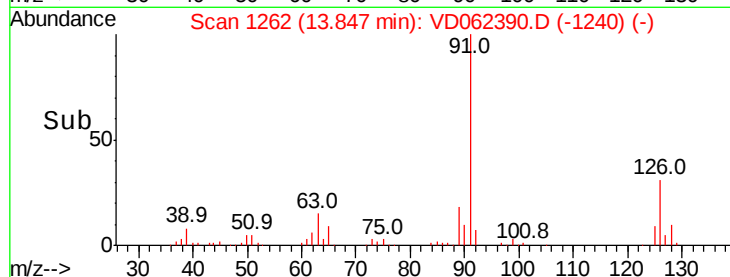
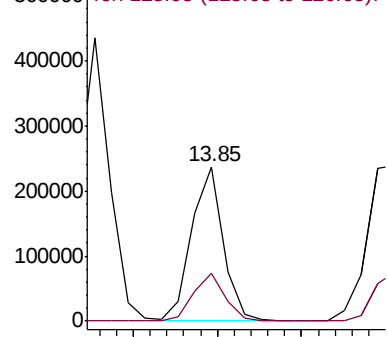
#79
 2-Chlorotoluene
 Concen: 18.553 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.02 min
 Lab File: VD062390.D
 Acq: 15 May 2019 16:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Tot Ion: 91 Resp: 308407
 Ion Ratio Lower Upper
 91 100
 126 31.3 18.6 55.8

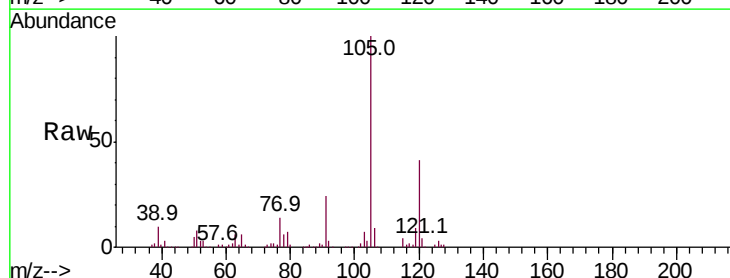


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

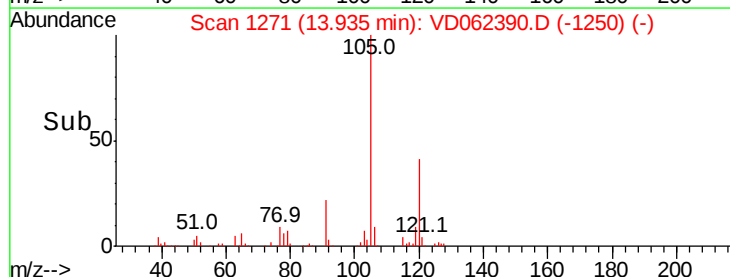
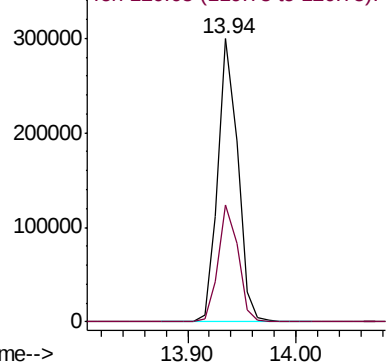


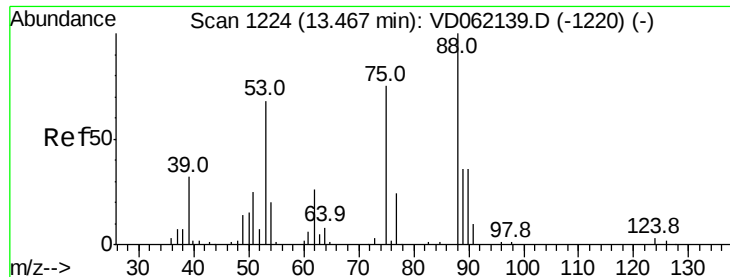
#80
 1,3,5-Trimethylbenzene
 Concen: 18.700 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD062390.D
 Acq: 15 May 2019 16:10

Tgt Ion:105 Resp: 383143
 Ion Ratio Lower Upper
 105 100
 120 41.2 24.0 72.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 17.392 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

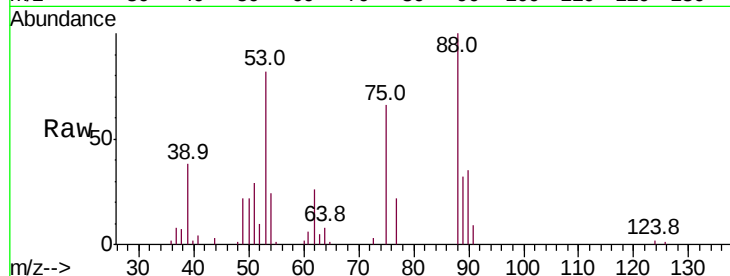
Tot Ion: 75 Resp: 23685

Ion Ratio Lower Upper

75 100

53 124.5 65.8 98.8#

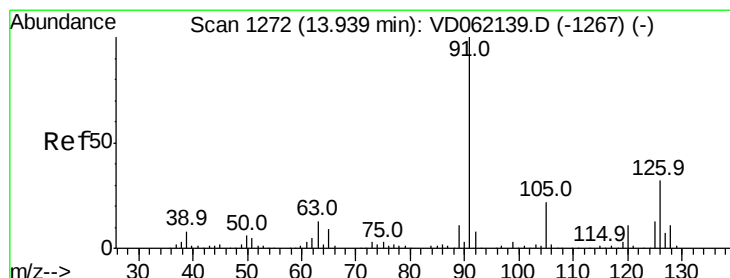
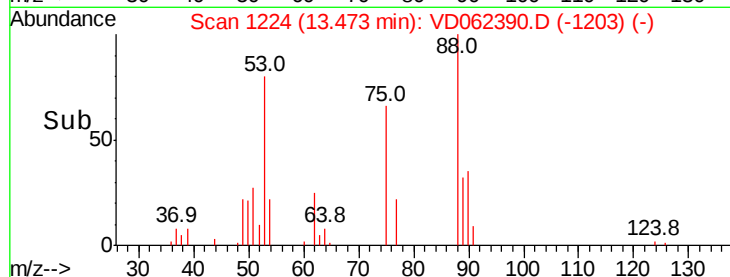
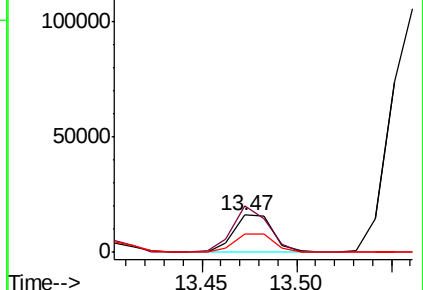
89 48.7 35.0 52.6



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: 19.468 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.02 min

Lab File: VD062390.D

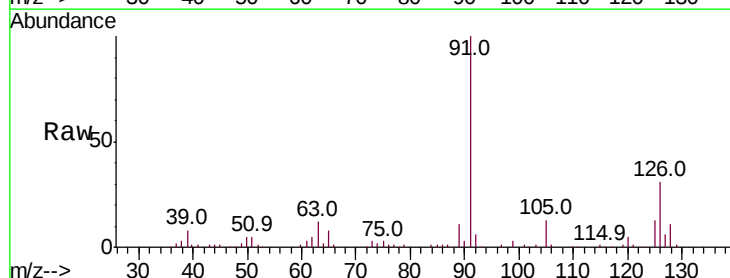
Acq: 15 May 2019 16:10

Tgt Ion: 91 Resp: 380819

Ion Ratio Lower Upper

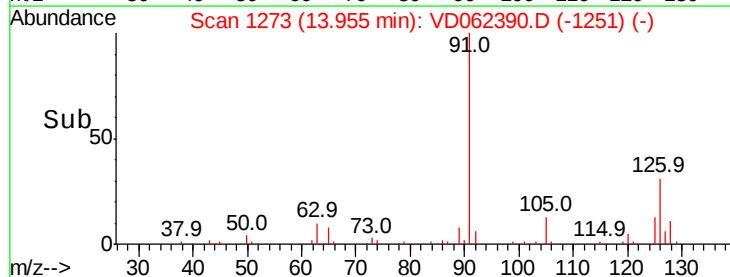
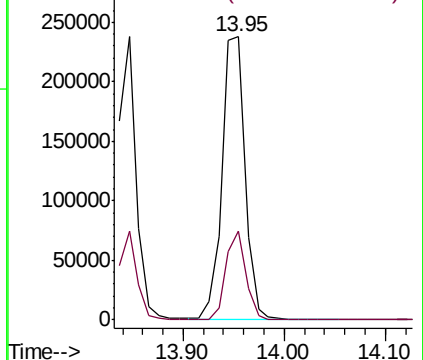
91 100

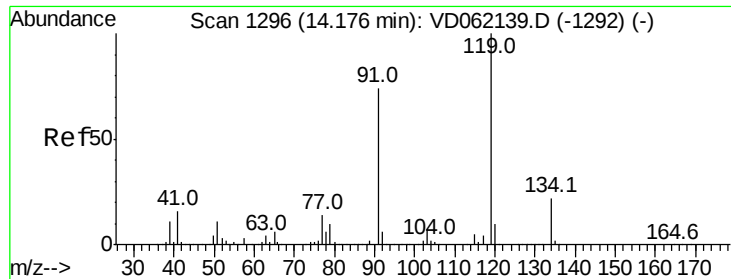
126 31.4 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 19.263 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.02 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

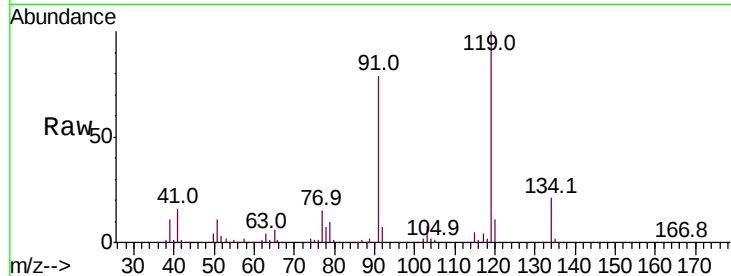
Tot Ion:119 Resp: 443626

Ion Ratio Lower Upper

119 100

91 78.8 34.2 102.6

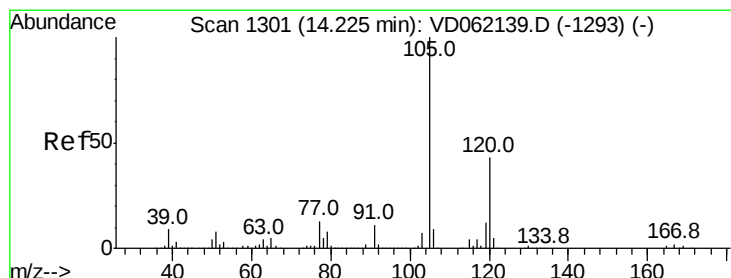
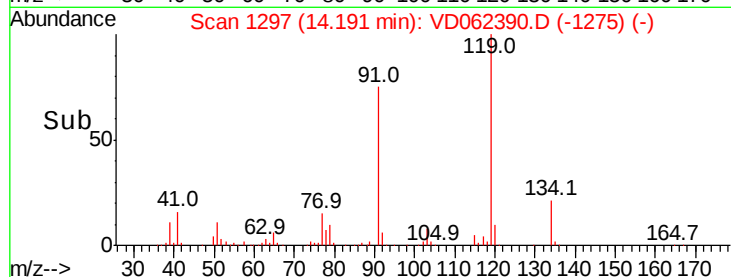
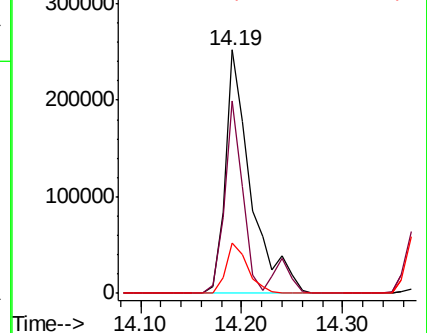
134 20.6 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.356 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.02 min

Lab File: VD062390.D

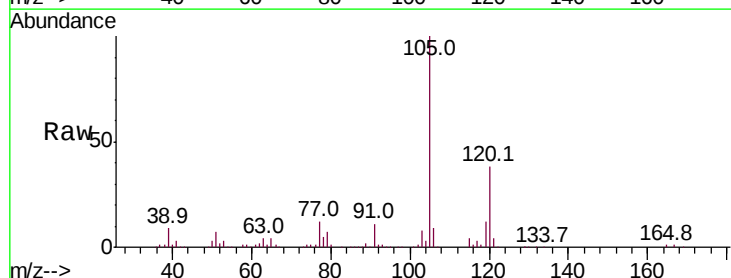
Acq: 15 May 2019 16:10

Tgt Ion:105 Resp: 397984

Ion Ratio Lower Upper

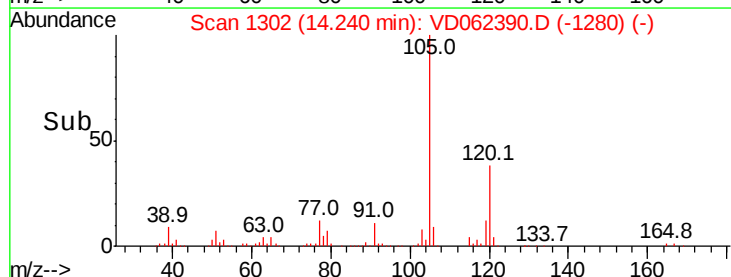
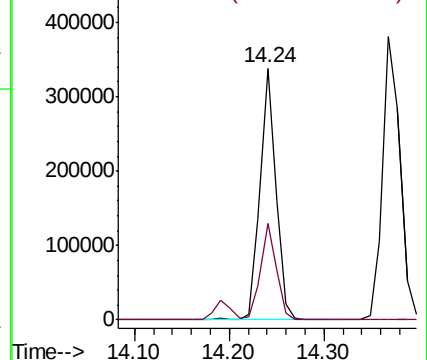
105 100

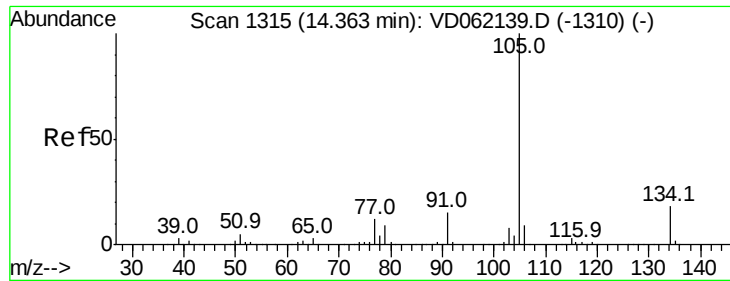
120 38.3 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 19.645 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

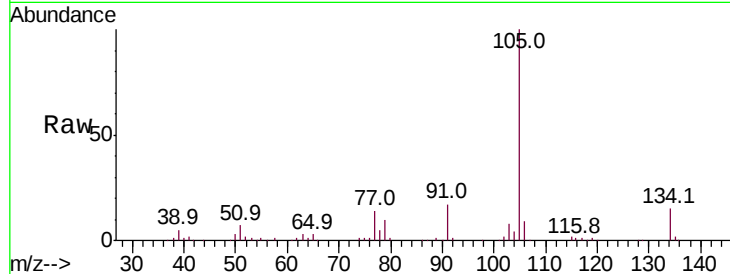
VD0515SBS01

Tot Ion:105 Resp: 496041

Ion Ratio Lower Upper

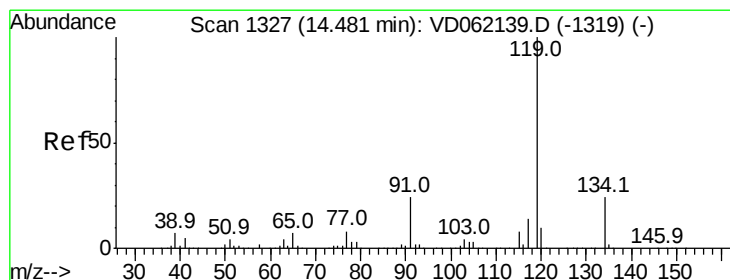
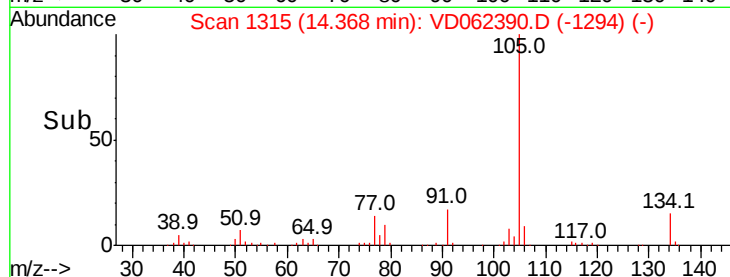
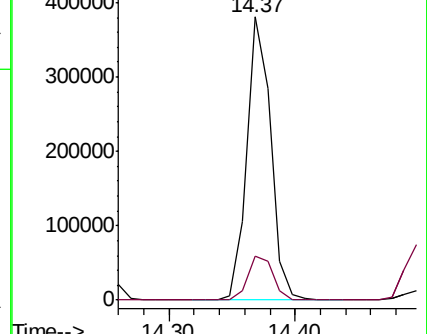
105 100

134 15.4 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 17.414 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.02 min

Lab File: VD062390.D

Acq: 15 May 2019 16:10

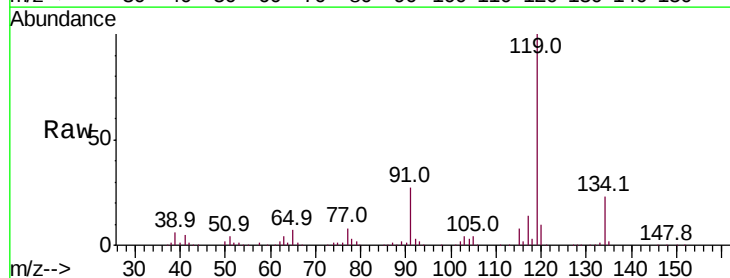
Tgt Ion:119 Resp: 392845

Ion Ratio Lower Upper

119 100

134 23.1 12.8 38.3

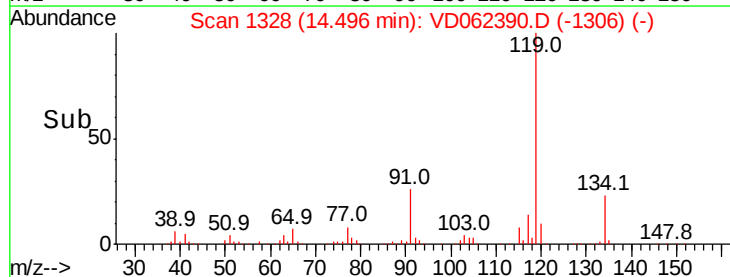
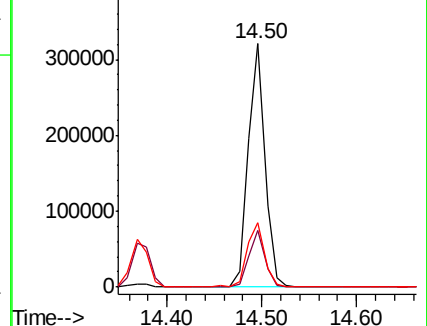
91 26.5 10.7 32.1

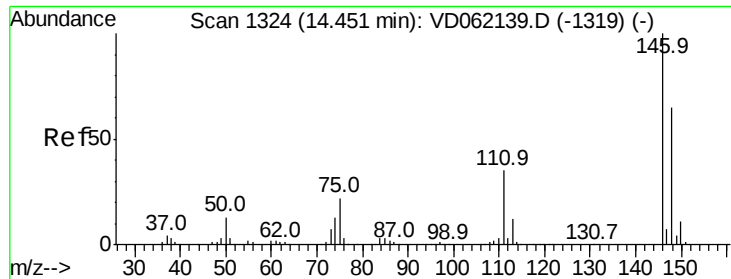


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

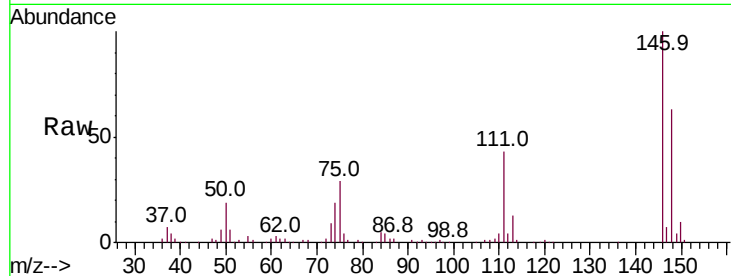




#87
 1,3-Dichlorobenzene
 Concen: 18.376 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD062390.D
 Acq: 15 May 2019 16:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.0	60.0
148	62.7	31.8	95.4

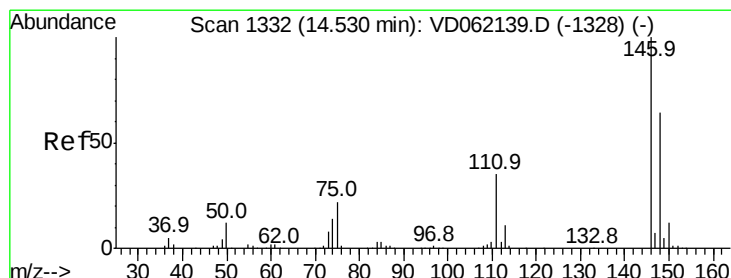
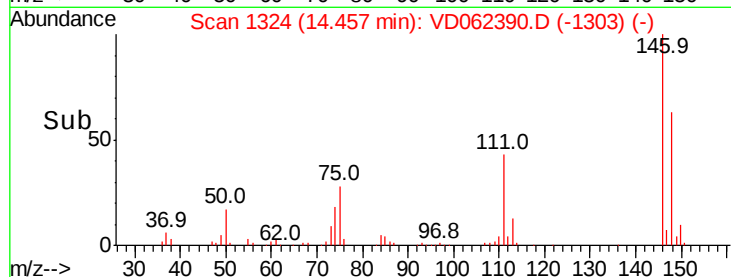
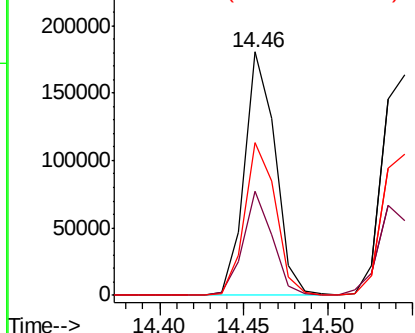


Abundance

Ion 145.95 (145.65 to 146.65): V

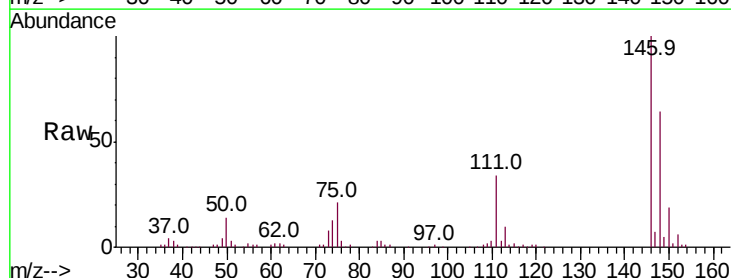
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 17.961 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.02 min
 Lab File: VD062390.D
 Acq: 15 May 2019 16:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.9	20.2	60.5
148	63.8	32.0	96.2

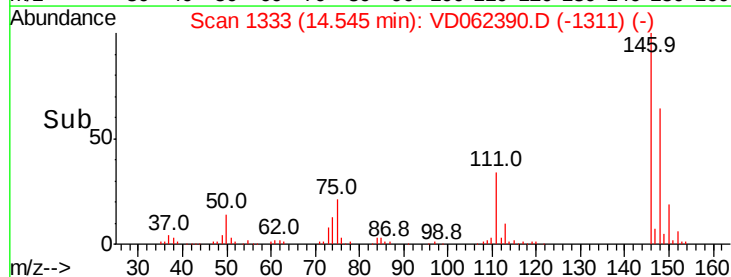
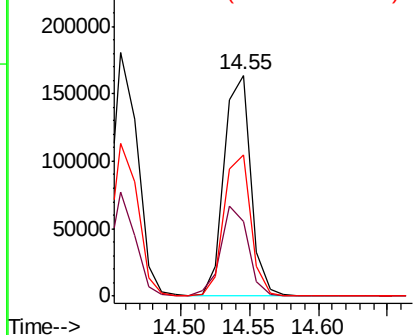


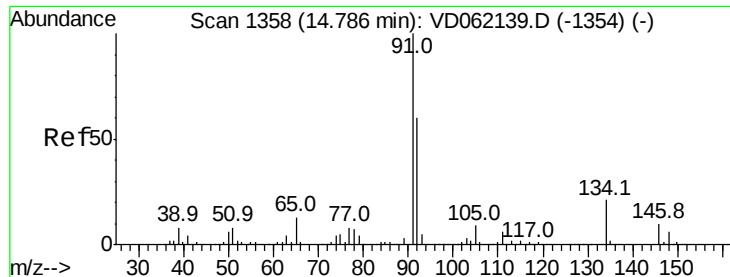
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

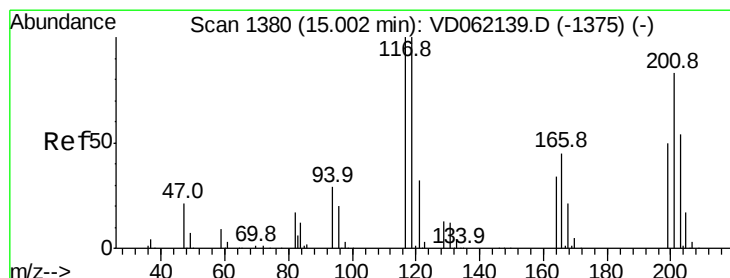
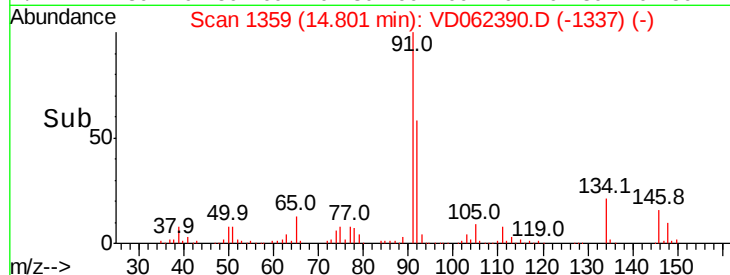
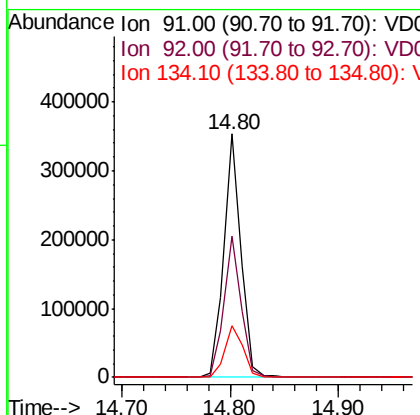
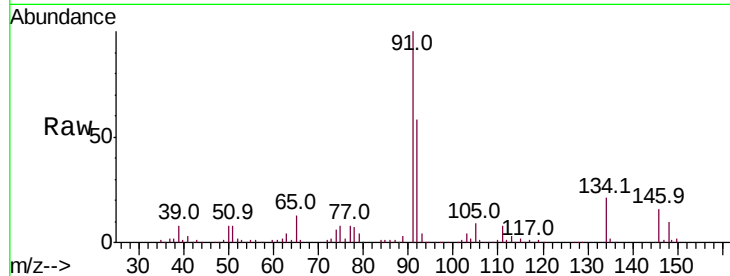




#89
n-Butylbenzene
Concen: 19.284 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.02 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

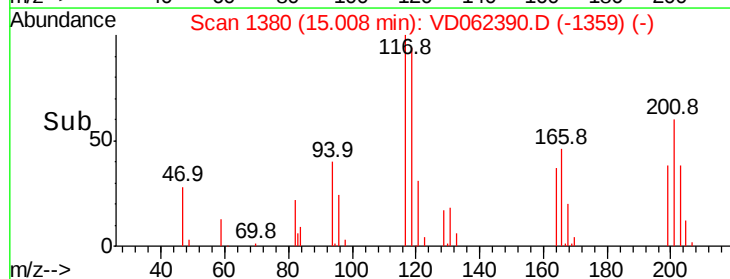
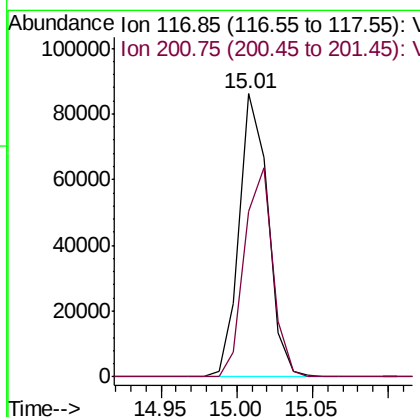
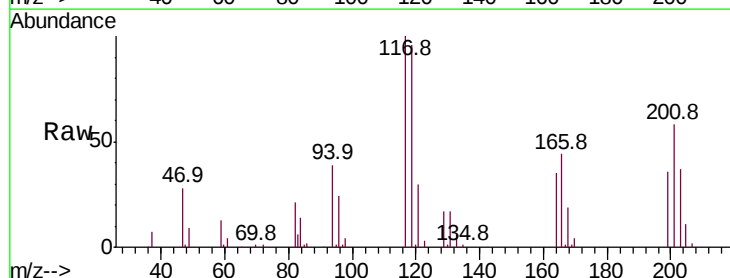
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

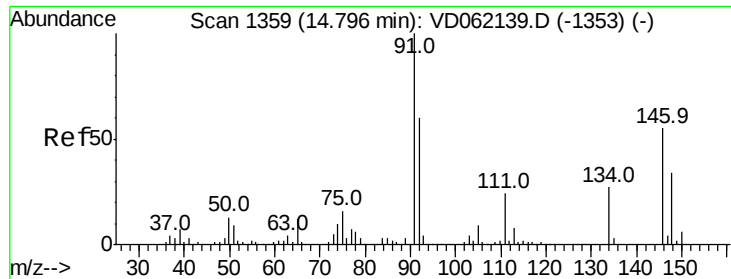
Tot Ion: 91 Resp: 390469
Ion Ratio Lower Upper
91 100
92 58.2 30.3 91.0
134 21.0 14.5 43.6



#90
Hexachloroethane
Concen: 18.497 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Tgt Ion: 117 Resp: 113481
Ion Ratio Lower Upper
117 100
201 58.4 30.2 90.6

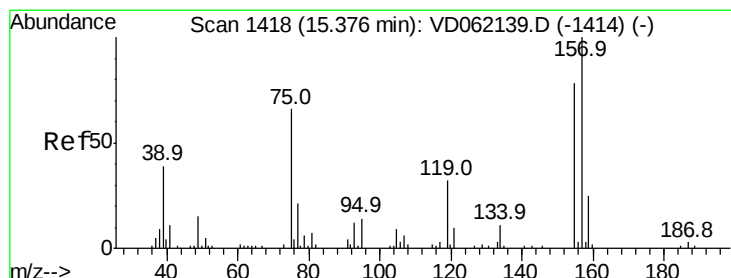
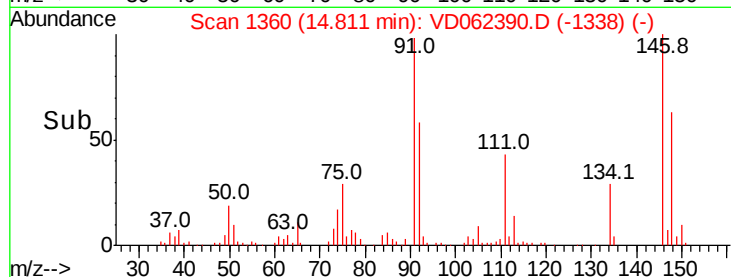
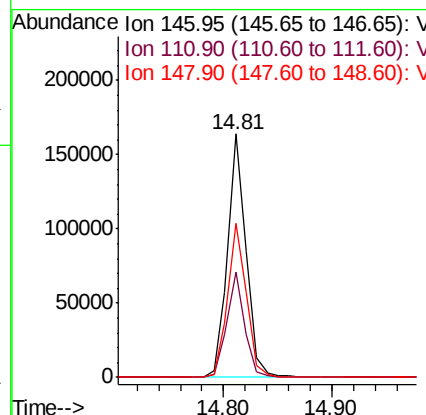
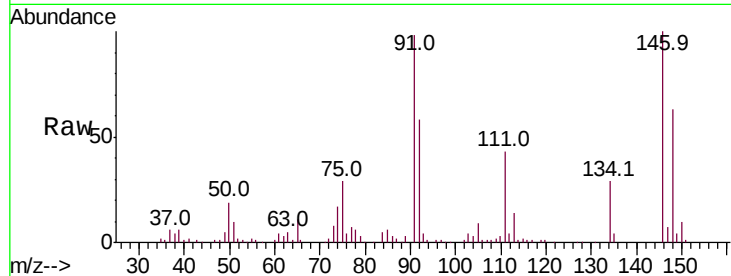




#91
 1,2-Dichlorobenzene
 Concen: 18.977 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD062390.D
 Acq: 15 May 2019 16:10

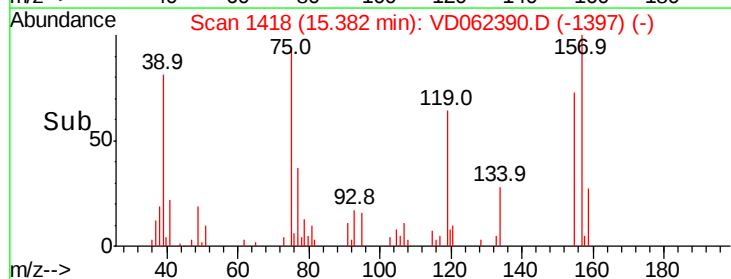
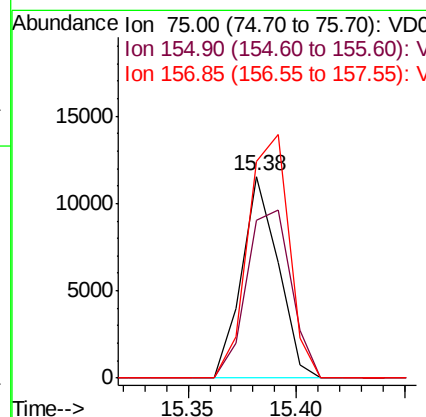
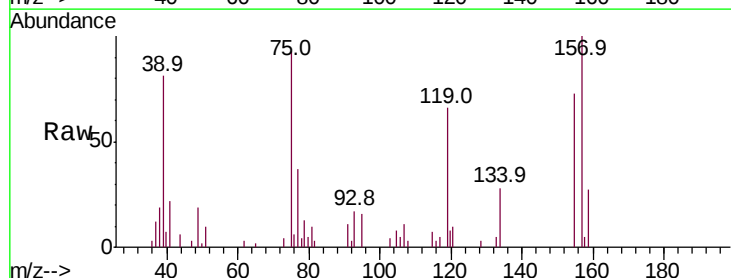
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBSD01

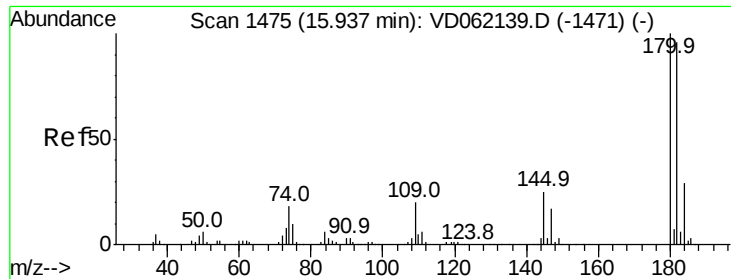
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.0	59.9
148	63.4	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.919 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062390.D
 Acq: 15 May 2019 16:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	55.3	165.8
157	107.6	67.8	203.2

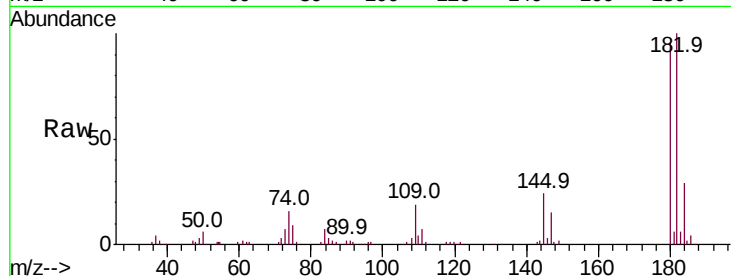




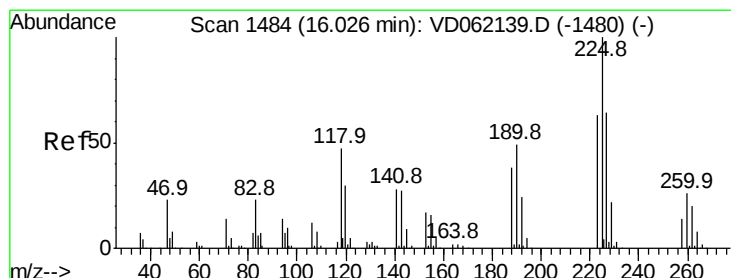
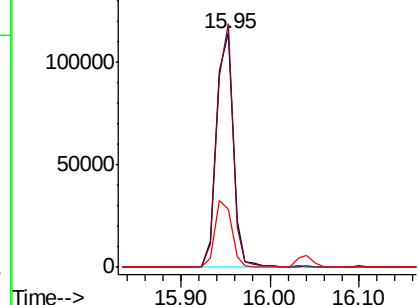
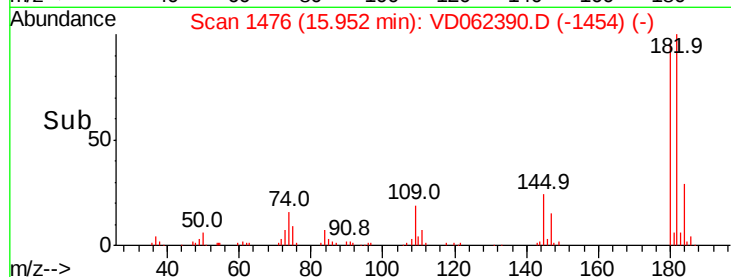
#93
 1,2,4-Trichlorobenzene
 Concen: 20.085 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.02 min
 Lab File: VD062390.D
 Acq: 15 May 2019 16:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Tot Ion:180 Resp: 149803
 Ion Ratio Lower Upper
 180 100
 182 104.0 49.3 147.8
 145 24.8 16.2 48.6

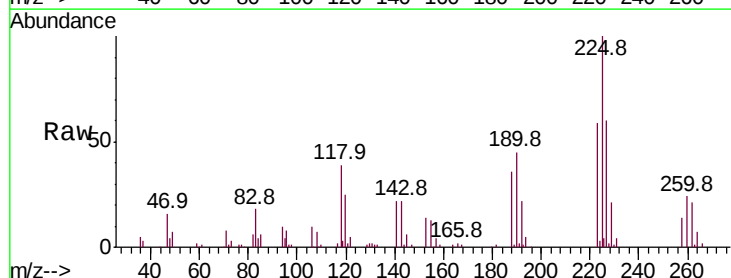


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

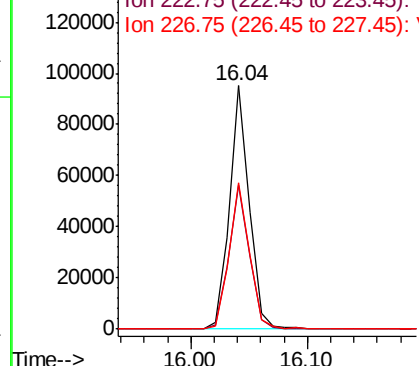
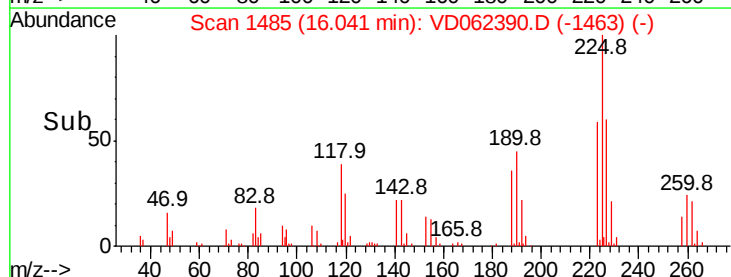


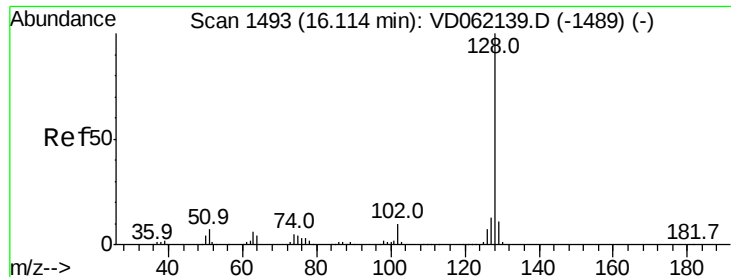
#94
 Hexachlorobutadiene
 Concen: 20.135 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.02 min
 Lab File: VD062390.D
 Acq: 15 May 2019 16:10

Tgt Ion:225 Resp: 111699
 Ion Ratio Lower Upper
 225 100
 223 59.1 30.6 92.0
 227 60.0 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

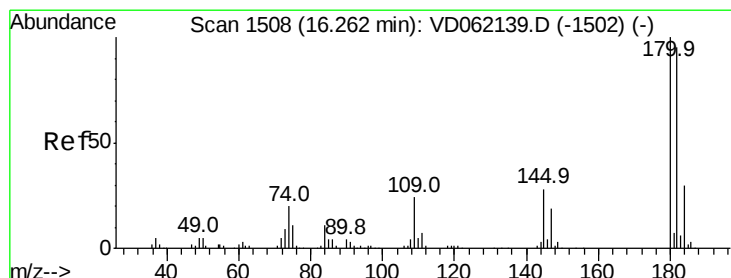
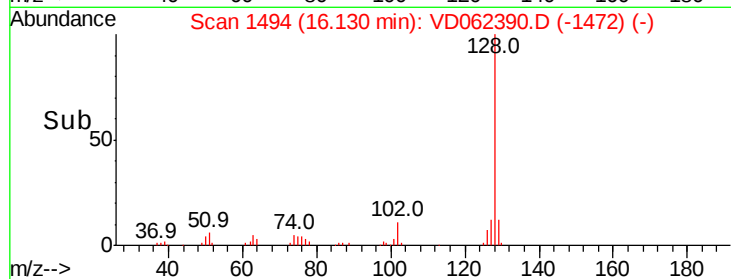
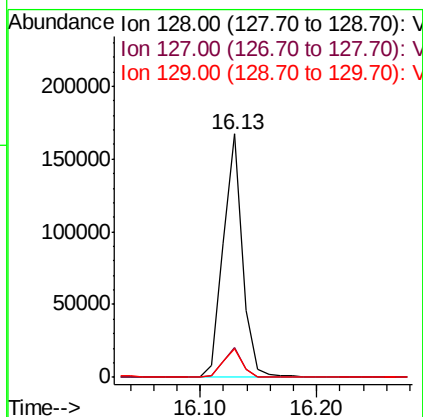
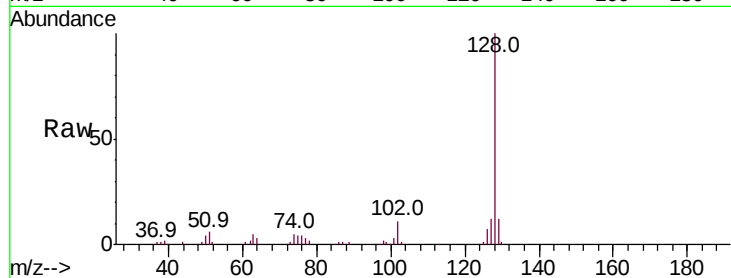




#95
Naphthalene
Concen: 18.361 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.02 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
VD0515SBSD01

Tot Ion:128 Resp: 191196
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.8
129 11.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 24.156 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.02 min
Lab File: VD062390.D
Acq: 15 May 2019 16:10

Tgt Ion:180 Resp: 113278
Ion Ratio Lower Upper
180 100
182 92.2 47.0 141.0
145 28.1 17.0 51.0

