

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD052019\
 Data File : VD062458.D
 Acq On : 20 May 2019 16:10
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: May 20 16:32:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 20 16:04:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	694237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	931772	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	782914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	439968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	572216	88.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	177.38%	
35) Dibromofluoromethane	6.94	113	642864	83.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	166.30%	
50) Toluene-d8	10.43	98	1412321	75.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.54%	
62) 4-Bromofluorobenzene	13.57	95	594698	79.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	158.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	449275	67.664	ug/l	100
3) Chloromethane	1.75	50	290971	60.648	ug/l	93
4) Vinyl Chloride	1.86	62	333284	70.684	ug/l	94
5) Bromomethane	2.15	94	124793	112.952	ug/l	96
6) Chloroethane	2.26	64	172941	87.409	ug/l	99
7) Trichlorofluoromethane	2.54	101	732117	79.865	ug/l	99
8) Diethyl Ether	2.88	74	112207	63.468	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.16	101	470749	67.886	ug/l	95
10) Methyl Iodide	3.31	142	752012	71.753	ug/l #	82
11) Tert butyl alcohol	4.10	59	140646	427.079	ug/l	96
12) 1,1-Dichloroethene	3.14	96	345053	65.185	ug/l	83
13) Acrolein	3.05	56	102171	299.958	ug/l	95
14) Allyl chloride	3.63	41	557005	72.370	ug/l #	77
15) Acrylonitrile	4.21	53	333174	384.903	ug/l #	85
16) Acetone	3.23	43	522033	385.841	ug/l #	85
17) Carbon Disulfide	3.38	76	1057024	69.415	ug/l	100
18) Methyl Acetate	3.66	43	188627	71.081	ug/l	94
19) Methyl tert-butyl Ether	4.26	73	949808	83.712	ug/l	93
20) Methylene Chloride	3.82	84	412381	72.998	ug/l	92
21) trans-1,2-Dichloroethene	4.23	96	449058	76.236	ug/l	91
22) Diisopropyl ether	5.14	45	1229980	75.098	ug/l	94
23) Vinyl Acetate	5.08	43	3882184	449.257	ug/l	98
24) 1,1-Dichloroethane	5.00	63	769648	77.896	ug/l	98
25) 2-Butanone	6.09	43	584290	395.922	ug/l	92
26) 2,2-Dichloropropane	6.05	77	768483	78.082	ug/l	92
27) cis-1,2-Dichloroethene	6.06	96	489382	74.225	ug/l	98
28) Bromochloromethane	6.45	49	275118	70.774	ug/l	90
29) Tetrahydrofuran	6.48	42	274967	404.378	ug/l	96
30) Chloroform	6.69	83	993458	83.430	ug/l	99
31) Cyclohexane	6.96	56	478718	70.721	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	960025	85.298	ug/l	99
36) 1,1-Dichloropropene	7.16	75	606633	79.406	ug/l	96
37) Ethyl Acetate	6.21	43	282910	87.321	ug/l #	91
38) Carbon Tetrachloride	7.13	117	1034184	97.805	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	549953	75.133	ug/l	97
40) Benzene	7.48	78	1297147	75.192	ug/l	100
41) Methacrylonitrile	6.47	41	362232	91.490	ug/l #	85
42) 1,2-Dichloroethane	7.59	62	719571	98.449	ug/l	91
43) Isopropyl Acetate	9.26	43	398059	86.631	ug/l #	93
44) Trichloroethene	8.56	130	539885	82.128	ug/l	93
45) 1,2-Dichloropropane	8.95	63	339692	79.607	ug/l	97
46) Dibromomethane	9.08	93	305699	88.099	ug/l	95
47) Bromodichloromethane	9.39	83	777754	91.634	ug/l	97
48) Methyl methacrylate	9.14	41	235621	83.251	ug/l #	82
49) 1,4-Dioxane	9.10	88	47161	1544.389	ug/l #	89
51) 4-Methyl-2-Pentanone	10.32	43	1258748	426.172	ug/l	92
52) Toluene	10.53	92	876055	78.050	ug/l	96
53) t-1,3-Dichloropropene	10.93	75	647769	88.304	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	666562	83.292	ug/l #	85
55) 1,1,2-Trichloroethane	11.21	97	329975	83.087	ug/l	96
56) Ethyl methacrylate	11.06	69	342608	83.018	ug/l #	81
57) 1,3-Dichloropropane	11.42	76	474934	79.157	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	884561	392.395	ug/l	94
59) 2-Hexanone	11.55	43	932696	428.446	ug/l	93
60) Dibromochloromethane	11.70	129	630649	91.885	ug/l	99
61) 1,2-Dibromoethane	11.82	107	399787	82.800	ug/l	97
64) Tetrachloroethene	11.27	164	488775	79.838	ug/l	94
65) Chlorobenzene	12.41	112	1119513	76.774	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	524499	82.646	ug/l	95
67) Ethyl Benzene	12.53	91	1817517	74.450	ug/l	95
68) m/p-Xylenes	12.68	106	1268380	142.806	ug/l	92
69) o-Xylene	13.06	106	634378	76.826	ug/l	82
70) Styrene	13.08	104	1024618	73.250	ug/l	96
71) Bromoform	13.24	173	371737	84.192	ug/l	96
73) Isopropylbenzene	13.41	105	1830379	69.403	ug/l	95
74) N-amyl acetate	13.27	43	495038	71.595	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	372125	74.533	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	383654	73.375	ug/l	99
77) Bromobenzene	13.68	156	550882	74.617	ug/l	84
78) n-propylbenzene	13.78	91	2061519	65.528	ug/l	96
79) 2-Chlorotoluene	13.85	91	1359553	75.456	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	1676689	75.498	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	109538	74.209	ug/l #	67
82) 4-Chlorotoluene	13.96	91	1540156	72.640	ug/l	93
83) tert-Butylbenzene	14.20	119	1784698	71.497	ug/l	92
84) 1,2,4-Trimethylbenzene	14.25	105	1572734	70.571	ug/l	91
85) sec-Butylbenzene	14.37	105	1944288	71.041	ug/l	96
86) p-Isopropyltoluene	14.50	119	1648004	67.397	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	951654	70.563	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	982456	74.139	ug/l	99
89) n-Butylbenzene	14.81	91	1553885	70.800	ug/l	95
90) Hexachloroethane	15.01	117	511237	76.882	ug/l	97
91) 1,2-Dichlorobenzene	14.82	146	820650	73.886	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	74883	91.369	ug/l	78

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Quant Title : SW846 8260
QLast Update : Mon May 20 16:04:52 2019
Response via : Initial Calibration

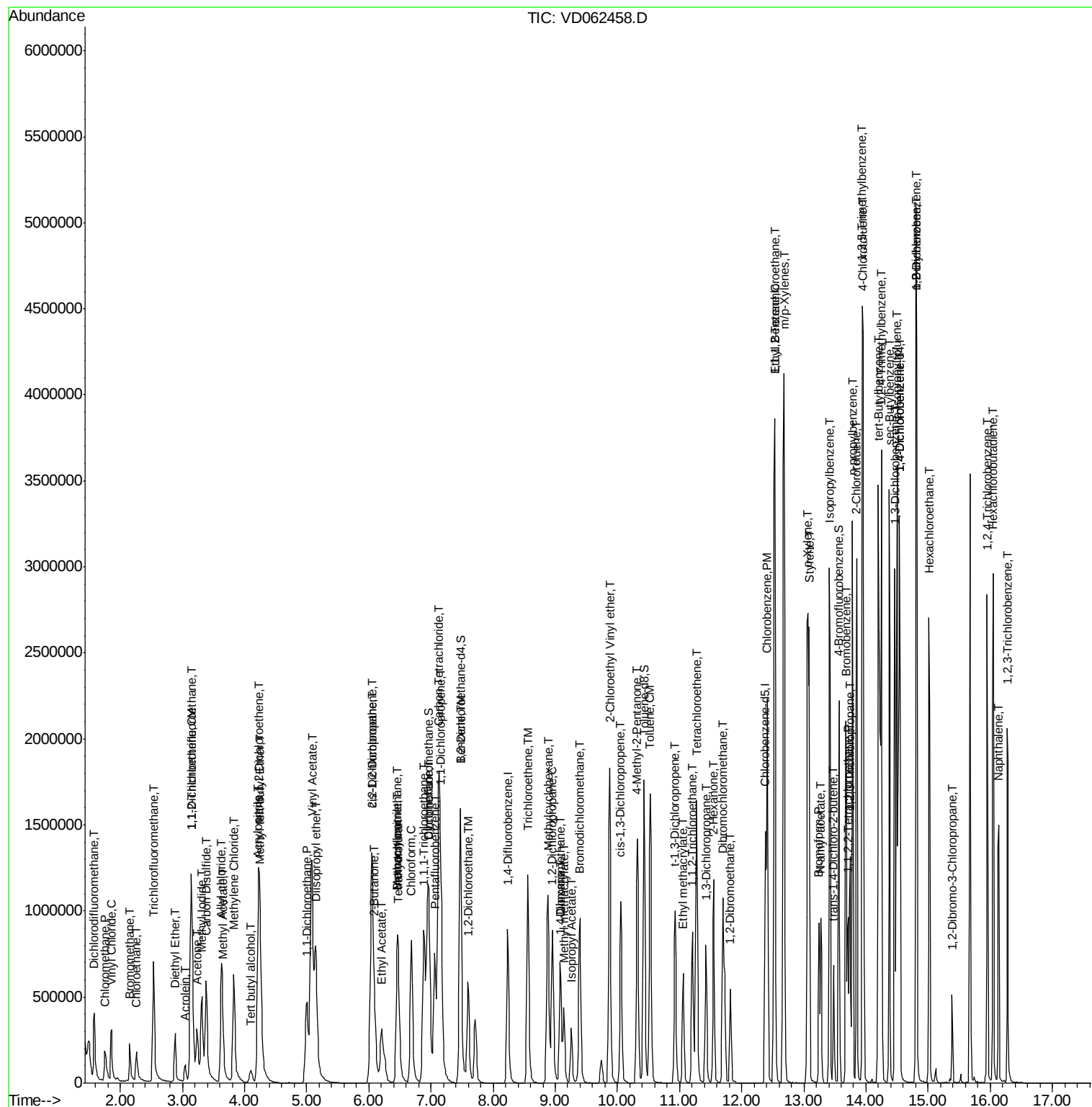
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	682865	84.467	ug/l	98
94) Hexachlorobutadiene	16.05	225	481834	80.133	ug/l	97
95) Naphthalene	16.14	128	993441	88.019	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	584116	114.916	ug/l	96

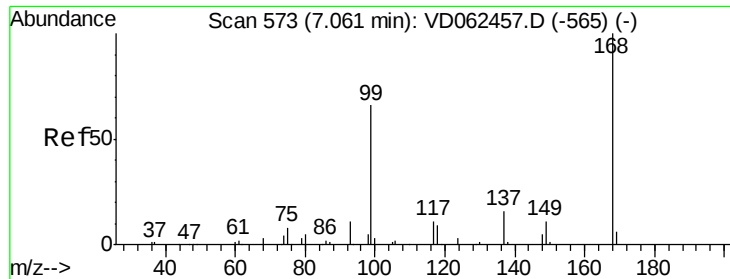
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD052019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

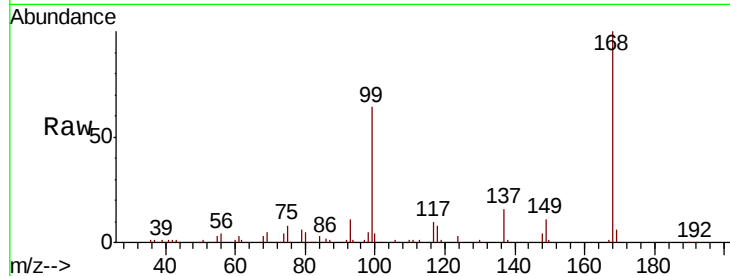
VSTDIC075

Tgt Ion:168 Resp: 694237

Ion Ratio Lower Upper

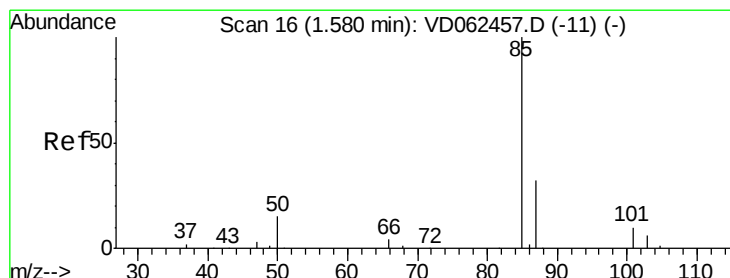
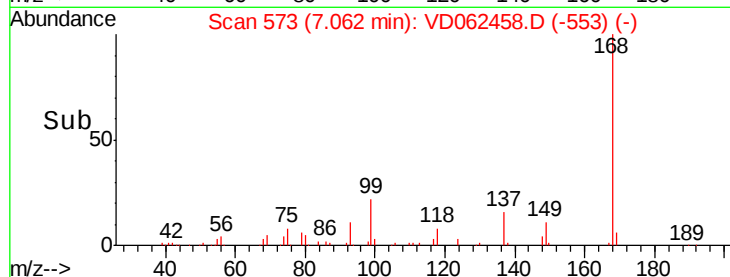
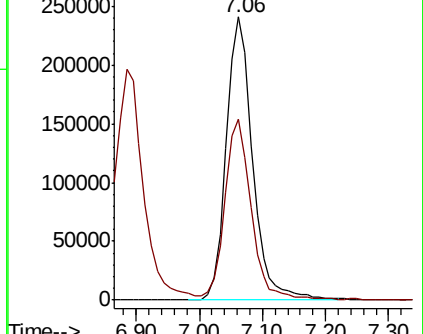
168 100

99 63.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 67.664 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD062458.D

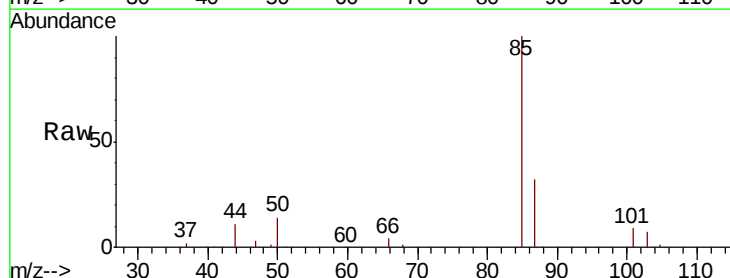
Acq: 20 May 2019 16:10

Tgt Ion: 85 Resp: 449275

Ion Ratio Lower Upper

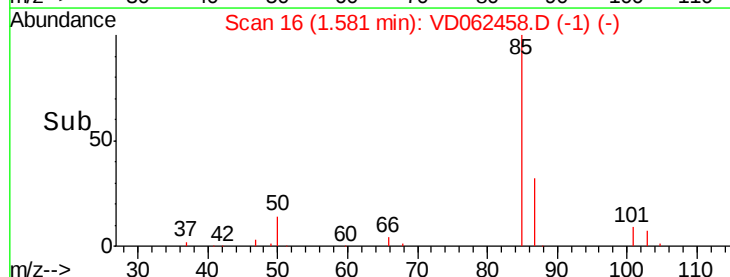
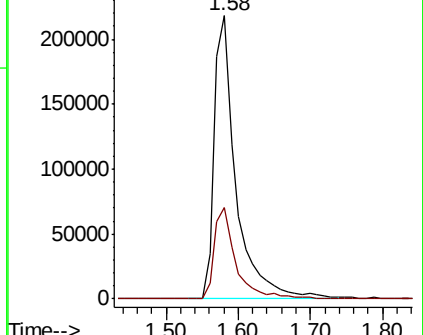
85 100

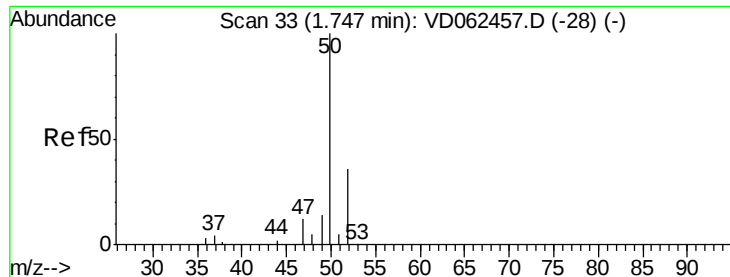
87 32.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 60.648 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

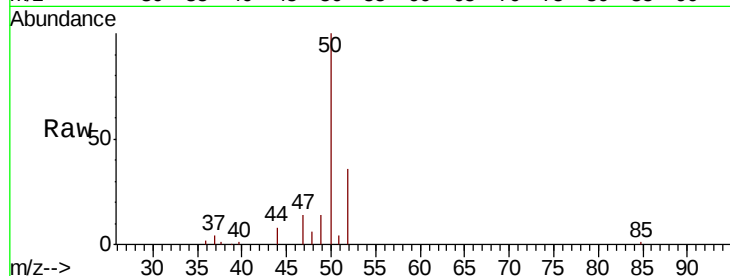
VSTDIC075

Tgt Ion: 50 Resp: 290971

Ion Ratio Lower Upper

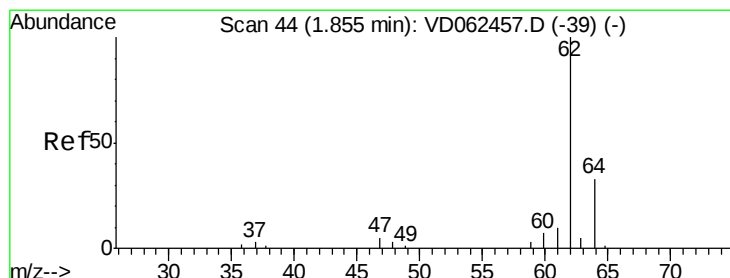
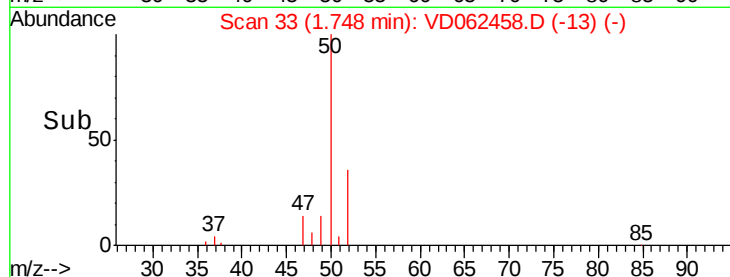
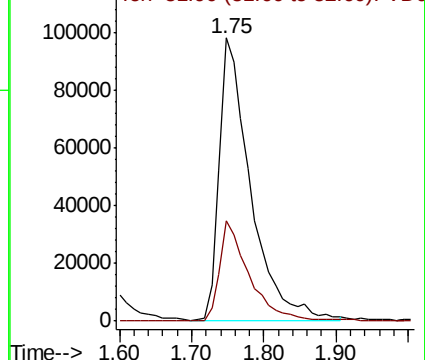
50 100

52 35.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 70.684 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD062458.D

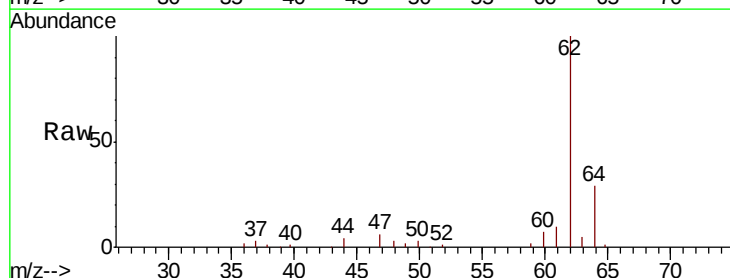
Acq: 20 May 2019 16:10

Tgt Ion: 62 Resp: 333284

Ion Ratio Lower Upper

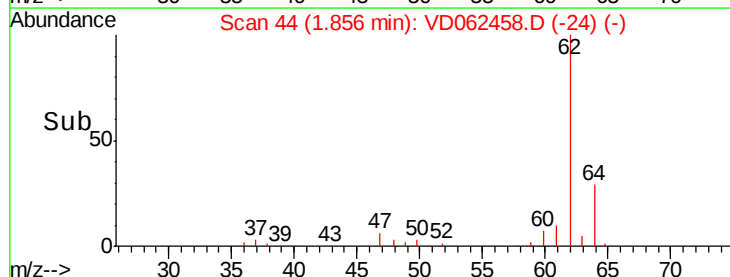
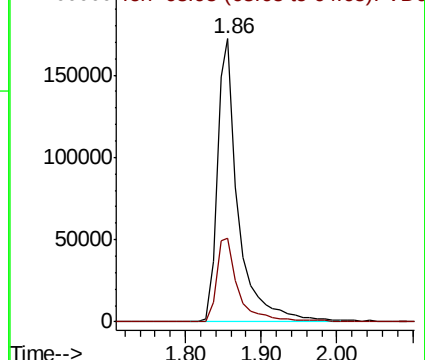
62 100

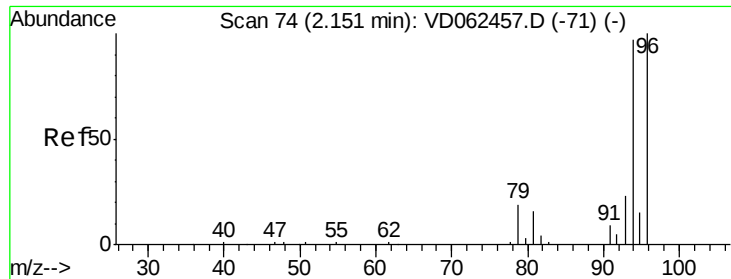
64 29.5 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 112.952 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

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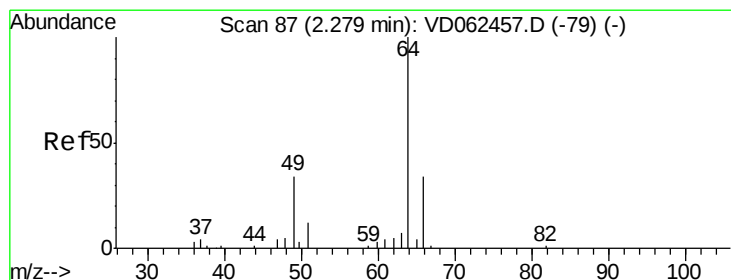
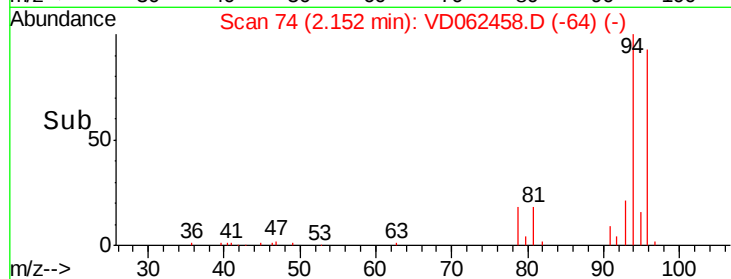
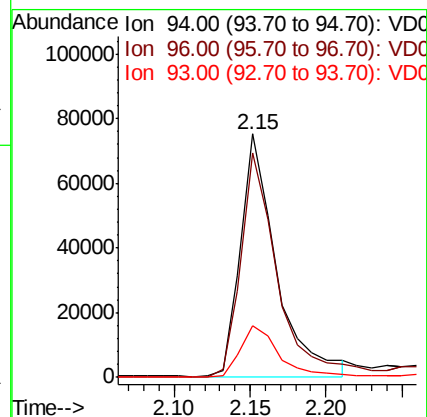
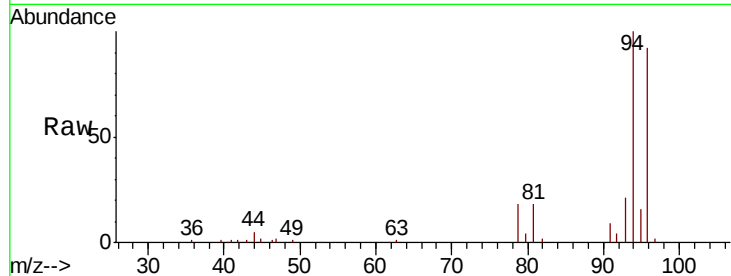
Tgt Ion: 94 Resp: 124793

Ion Ratio Lower Upper

94 100

96 92.3 76.6 115.0

93 21.1 18.5 27.7



#6

Chloroethane

Concen: 87.409 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD062458.D

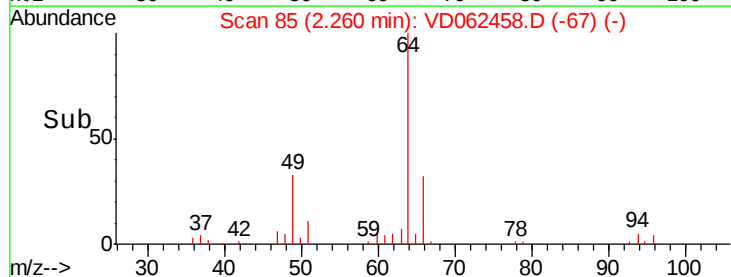
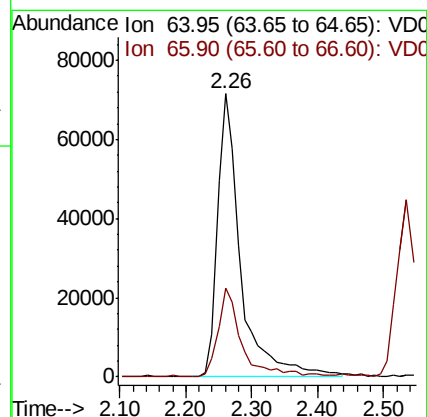
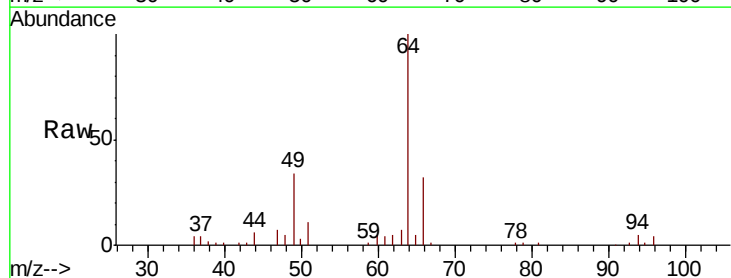
Acq: 20 May 2019 16:10

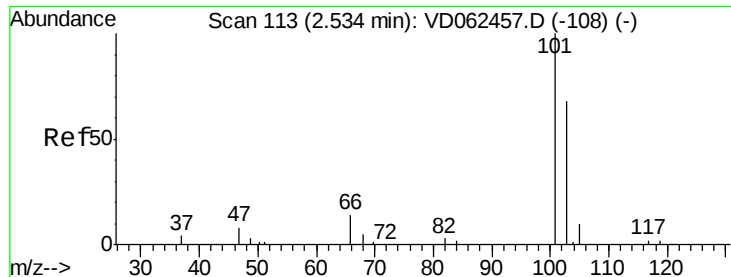
Tgt Ion: 64 Resp: 172941

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4



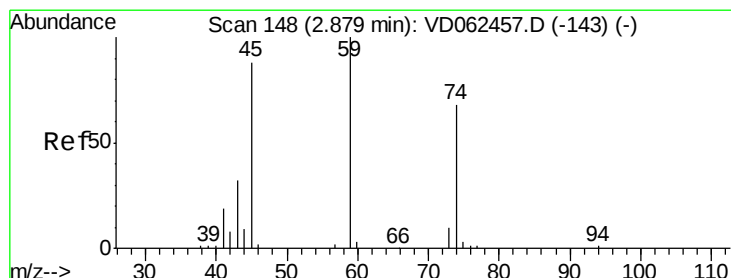
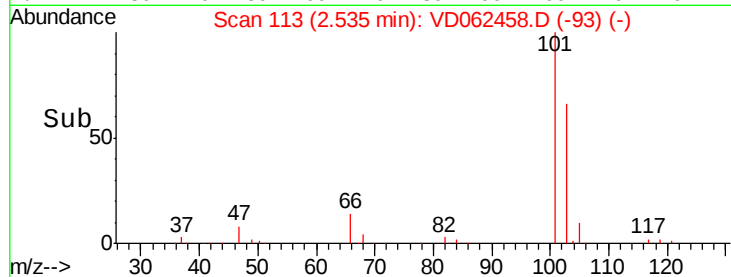
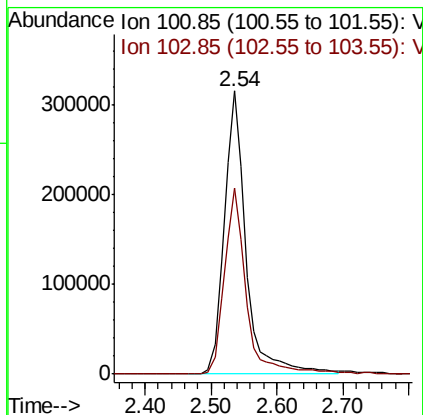
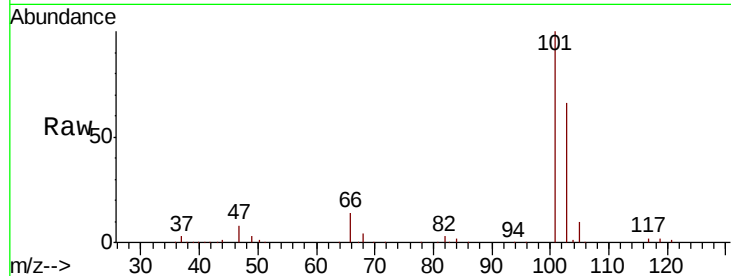


#7

Trichlorofluoromethane
 Concen: 79.865 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: VD062458.D
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 MSVOA_D
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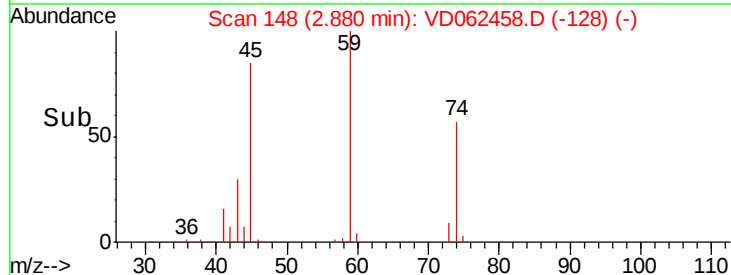
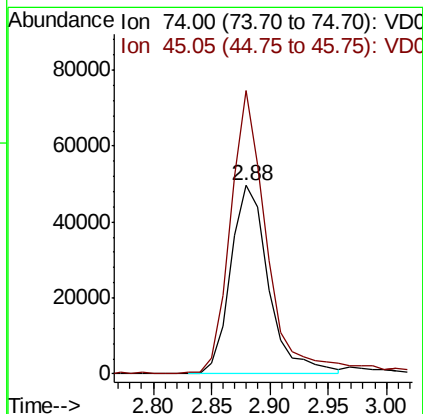
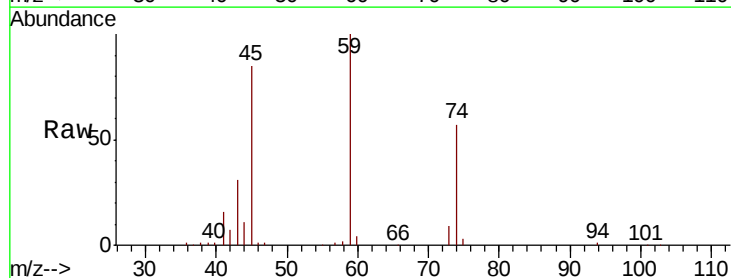
Tgt Ion: 101 Resp: 732117
 Ion Ratio Lower Upper
 101 100
 103 66.0 53.6 80.4

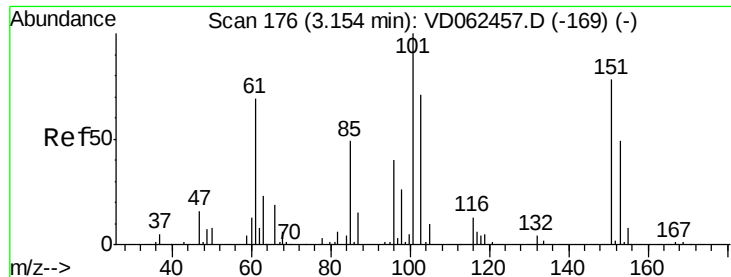


#8

Diethyl Ether
 Concen: 63.468 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

Tgt Ion: 74 Resp: 112207
 Ion Ratio Lower Upper
 74 100
 45 150.5 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 67.886 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

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VSTDIC075

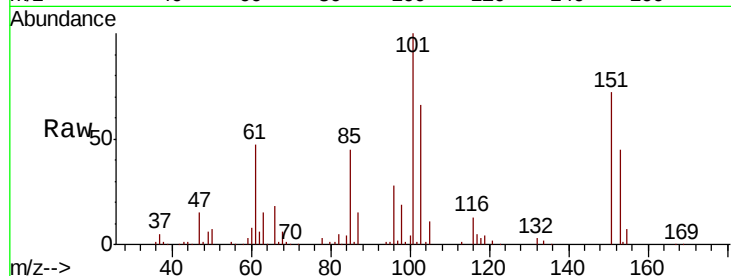
Tgt Ion:101 Resp: 470749

Ion Ratio Lower Upper

101 100

85 45.2 32.4 48.6

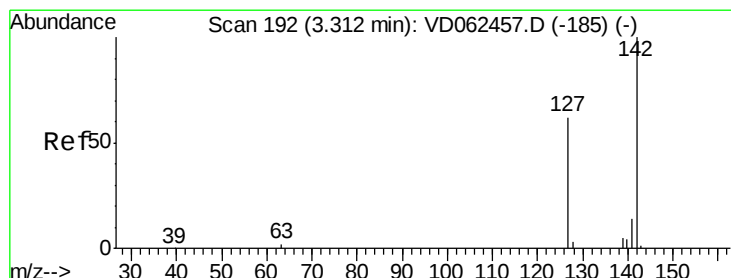
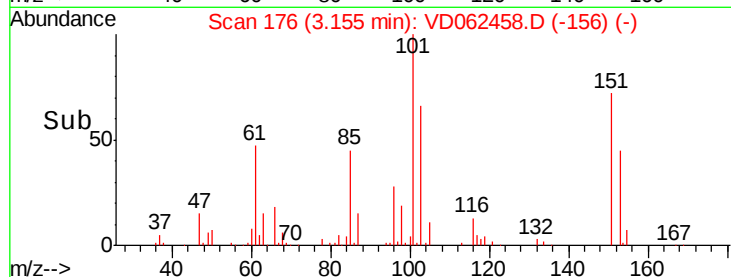
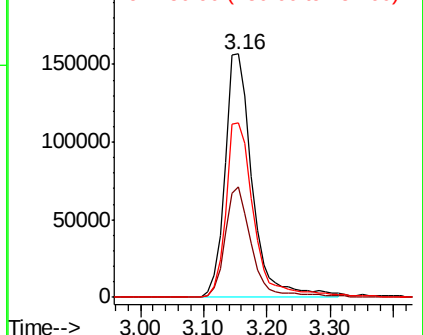
151 71.6 59.4 89.0



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: 71.753 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

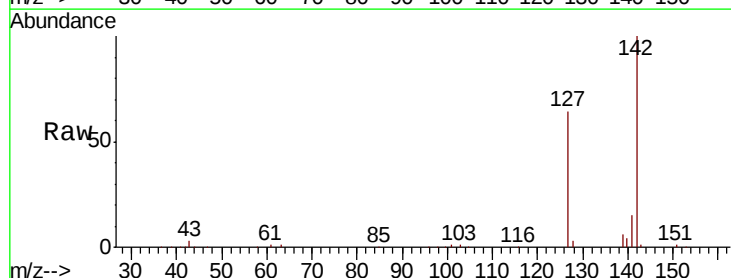
Tgt Ion:142 Resp: 752012

Ion Ratio Lower Upper

142 100

127 63.9 38.8 58.2#

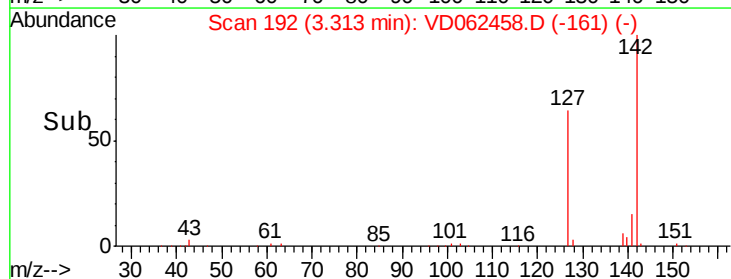
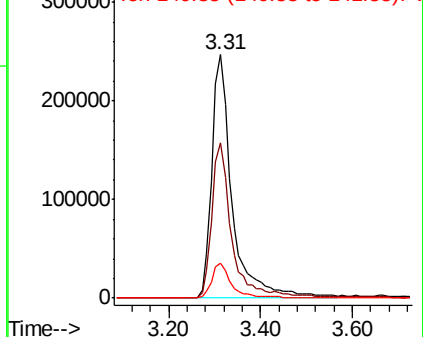
141 14.5 11.4 17.0

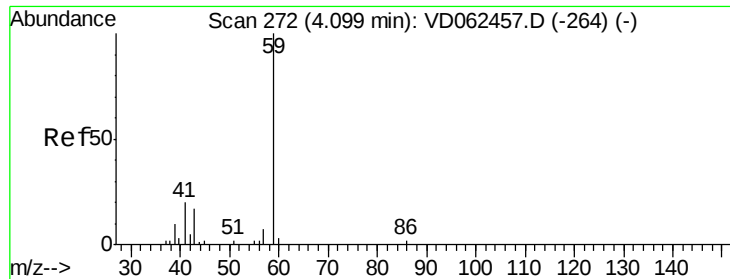


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

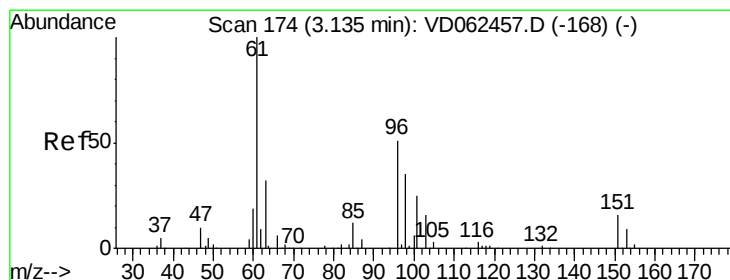
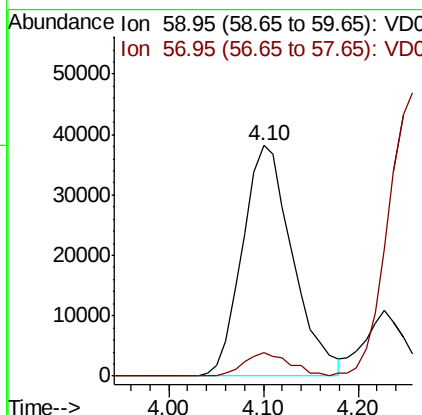
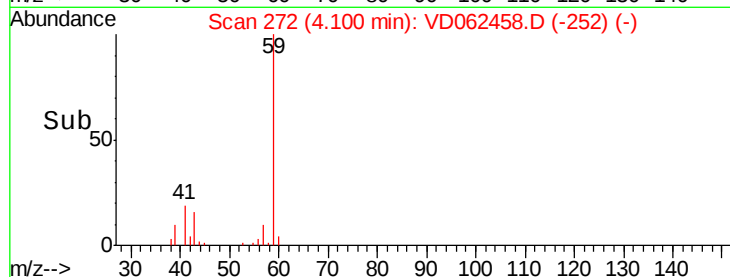
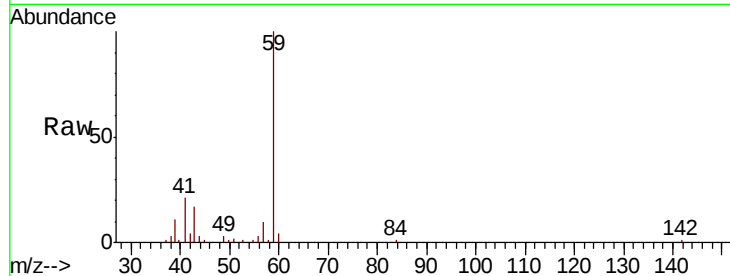




#11
Tert butyl alcohol
Concen: 427.079 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

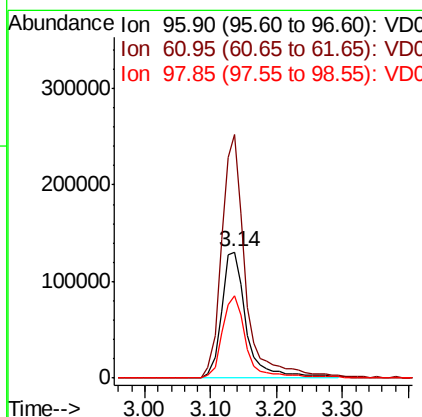
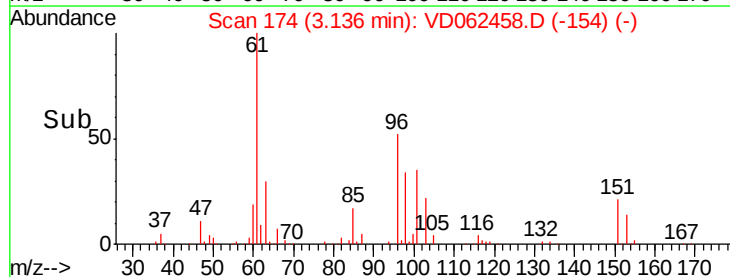
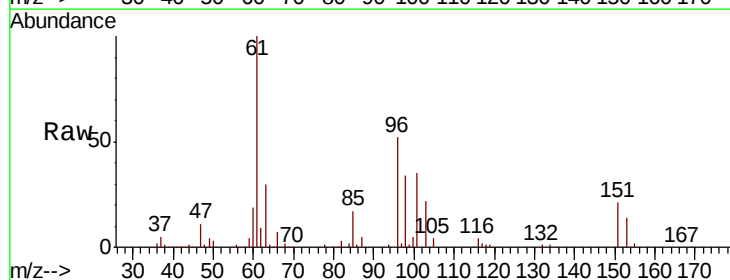
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

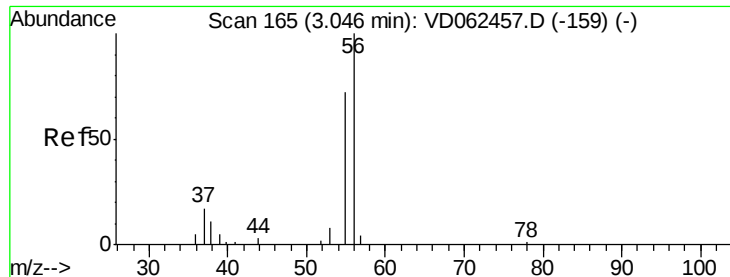
Tgt Ion: 59 Resp: 140646
Ion Ratio Lower Upper
59 100
57 10.1 6.9 10.3



#12
1,1-Dichloroethene
Concen: 65.185 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

Tgt Ion: 96 Resp: 345053
Ion Ratio Lower Upper
96 100
61 192.7 129.8 194.8
98 65.2 51.2 76.8

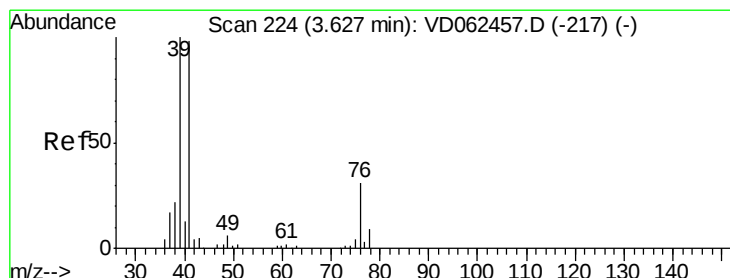
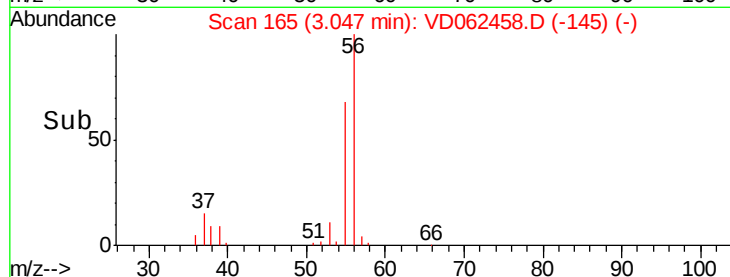
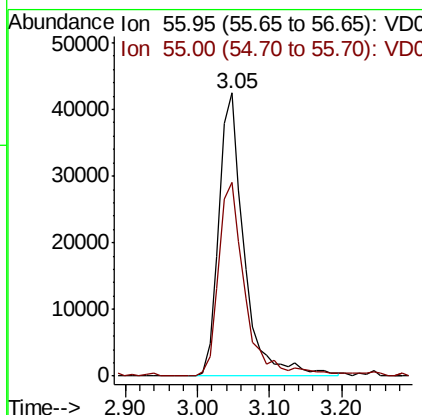
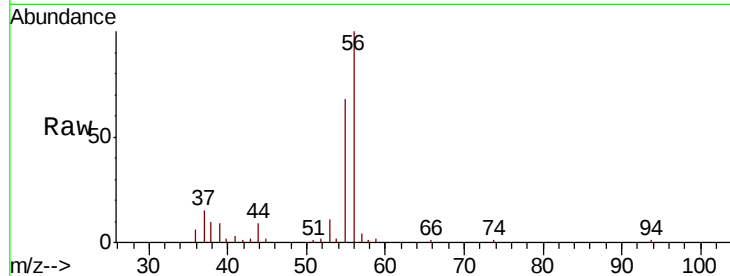




#13
 Acrolein
 Concen: 299.958 ug/l
 RT: 3.05 min Scan# 165
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

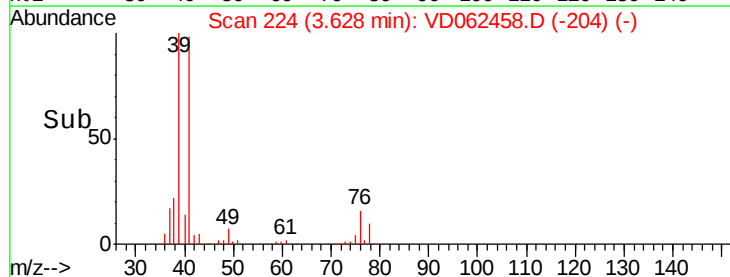
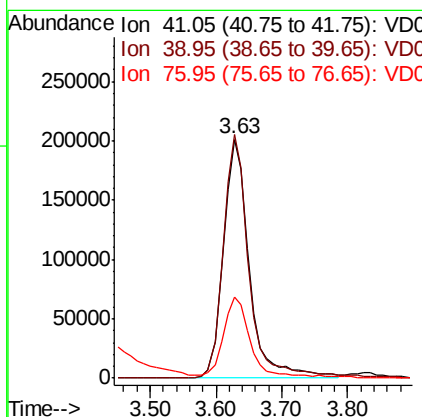
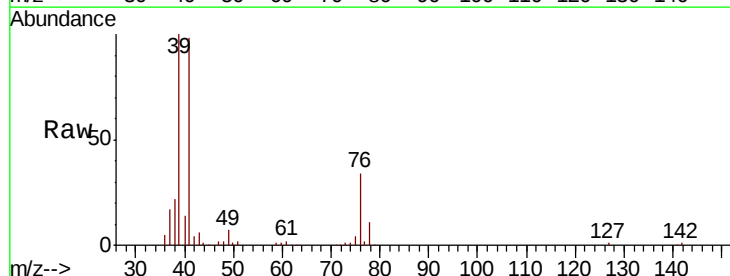
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

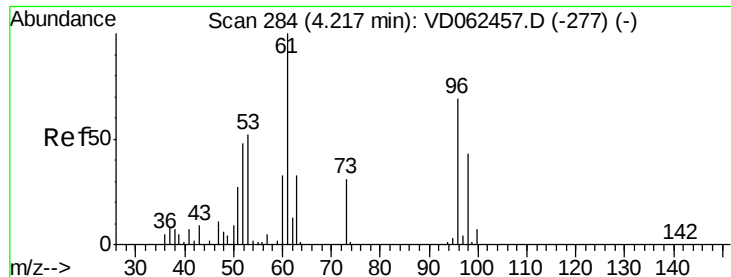
Tgt Ion: 56 Resp: 102171
 Ion Ratio Lower Upper
 56 100
 55 68.3 51.4 77.2



#14
 Allyl chloride
 Concen: 72.370 ug/l
 RT: 3.63 min Scan# 224
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

Tgt Ion: 41 Resp: 557005
 Ion Ratio Lower Upper
 41 100
 39 101.9 60.5 90.7#
 76 34.2 31.8 47.8





#15

Acrylonitrile

Concen: 384.903 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

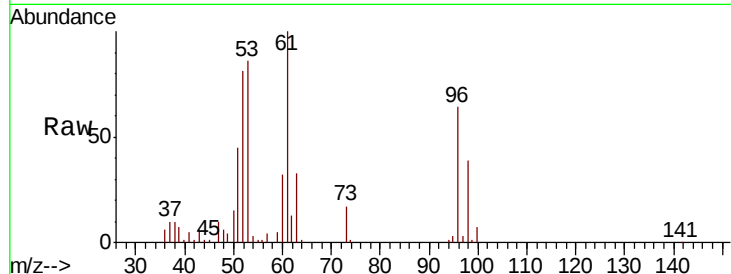
Tgt Ion: 53 Resp: 333174

Ion Ratio Lower Upper

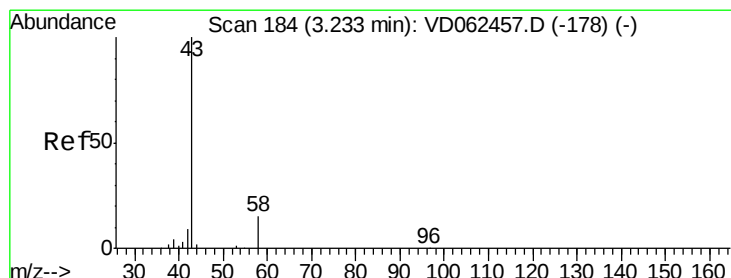
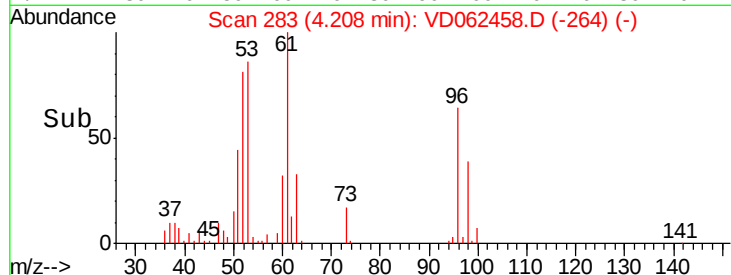
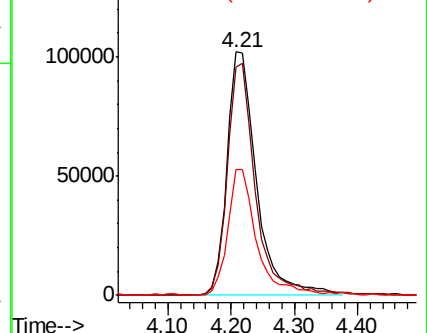
53 100

52 93.8 65.0 97.4

51 51.7 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: 385.841 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD062458.D

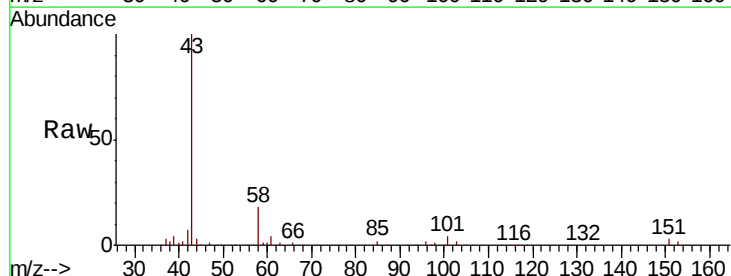
Acq: 20 May 2019 16:10

Tgt Ion: 43 Resp: 522033

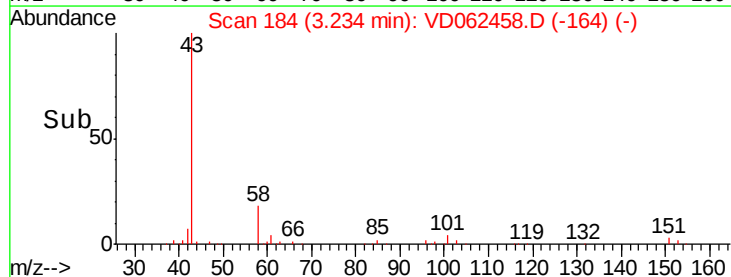
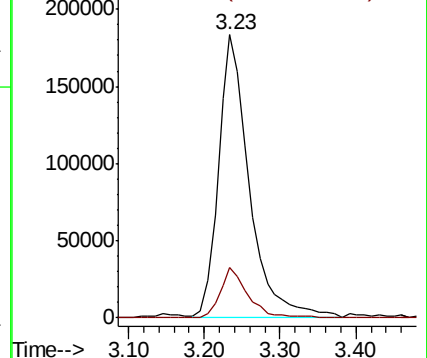
Ion Ratio Lower Upper

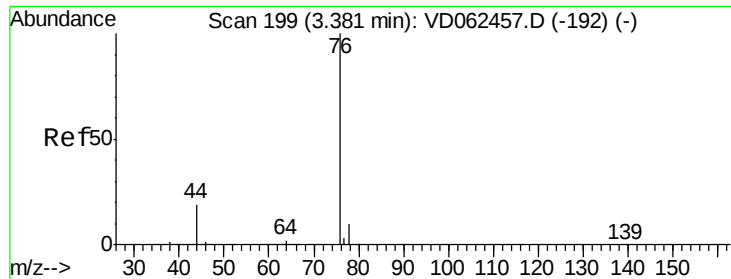
43 100

58 17.6 19.9 29.9#



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

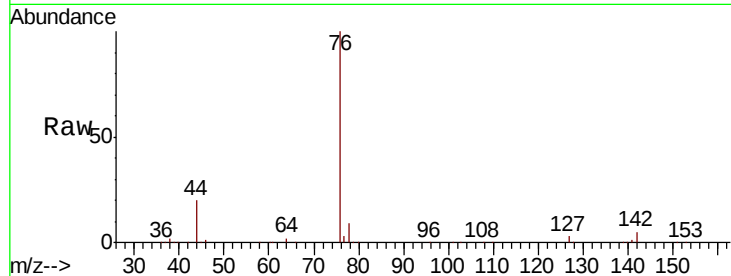




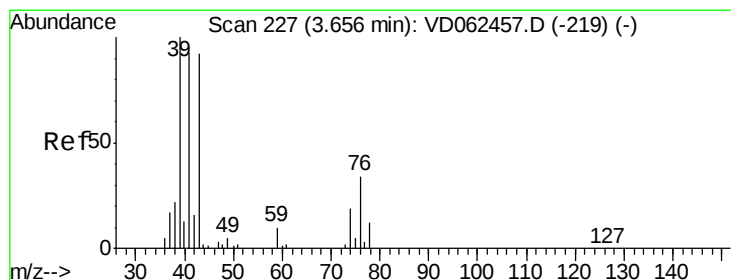
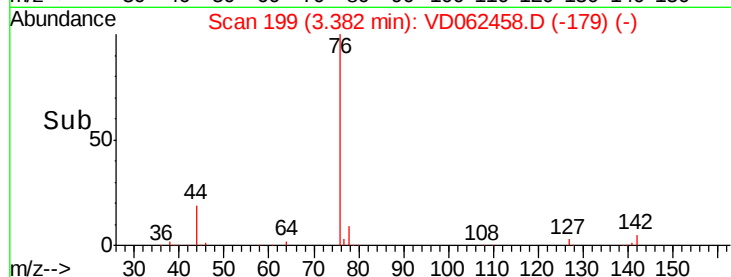
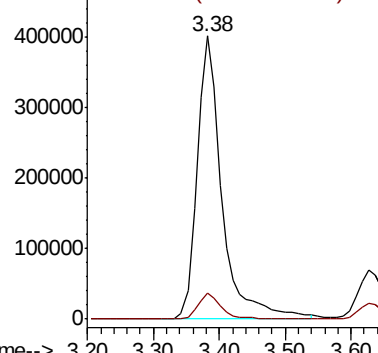
#17
Carbon Disulfide
Concen: 69.415 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 76 Resp: 1057024
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

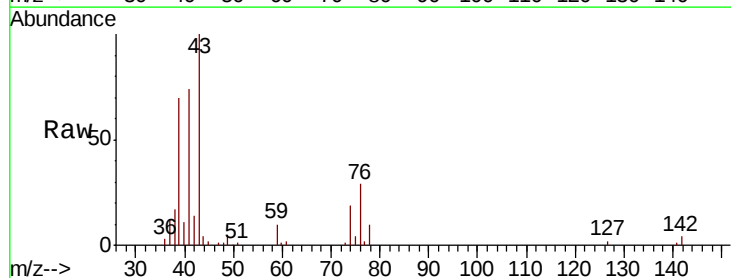


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

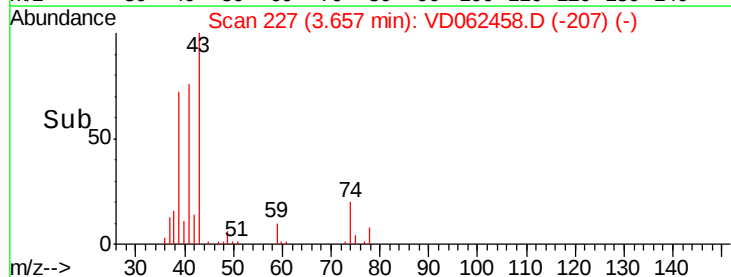
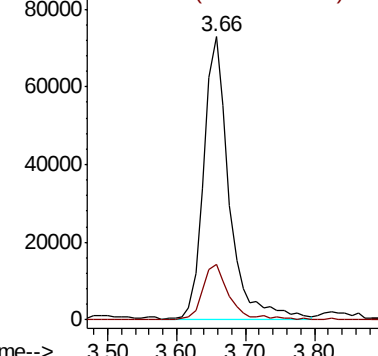


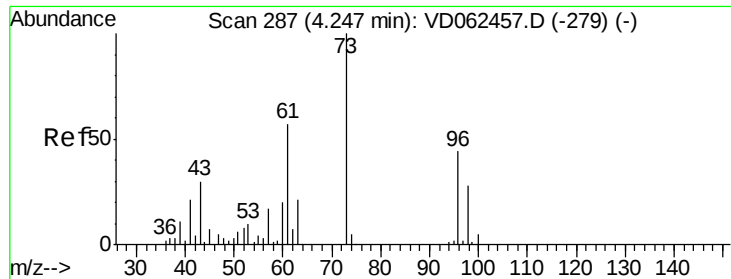
#18
Methyl Acetate
Concen: 71.081 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

Tgt Ion: 43 Resp: 188627
Ion Ratio Lower Upper
43 100
74 19.4 18.0 27.0



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

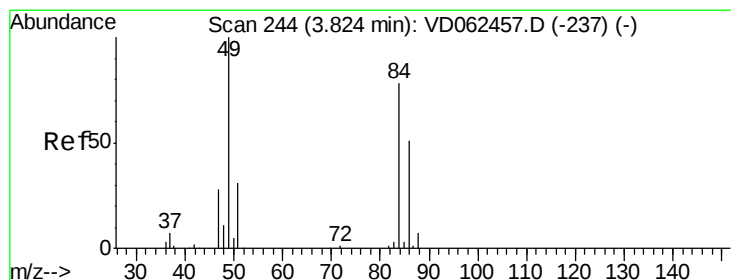
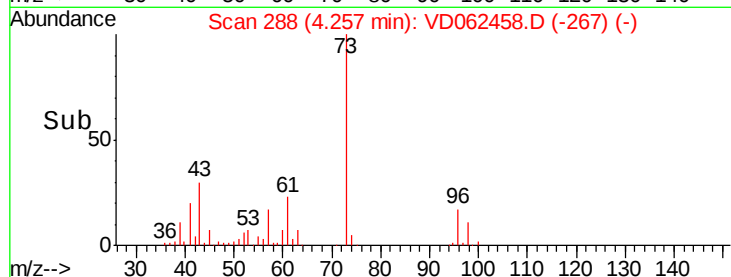
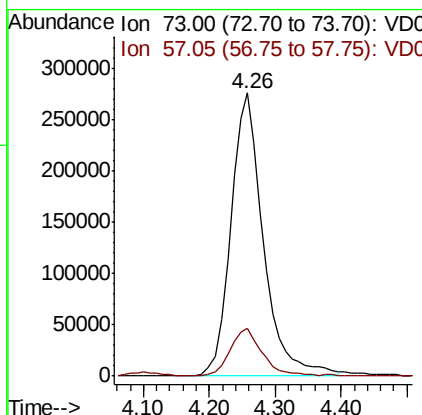
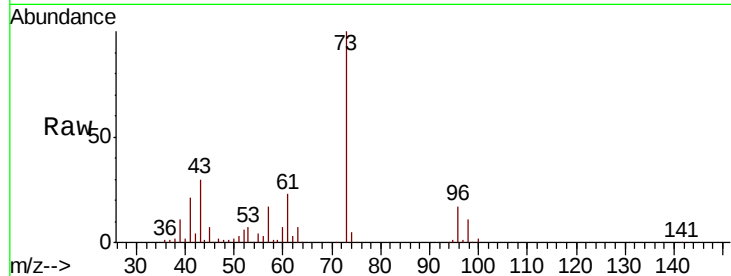




#19
Methyl tert-butyl Ether
Concen: 83.712 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

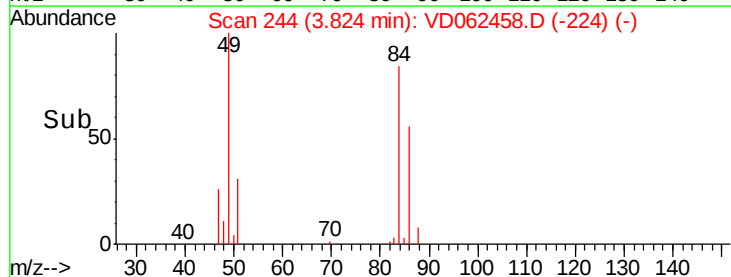
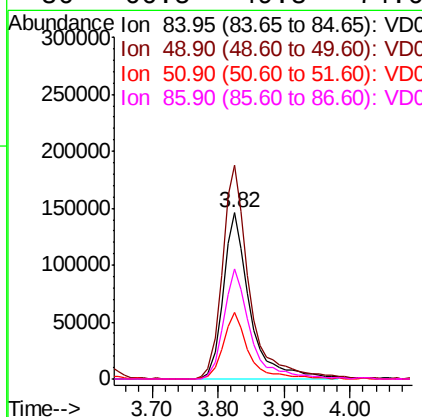
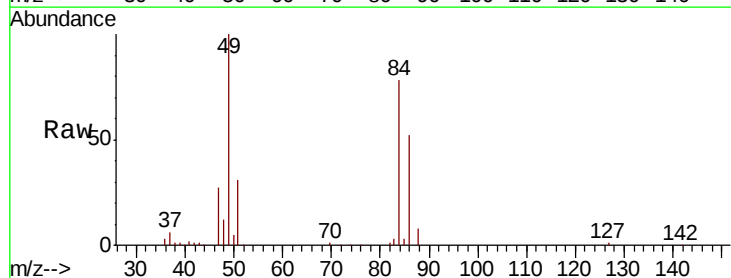
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

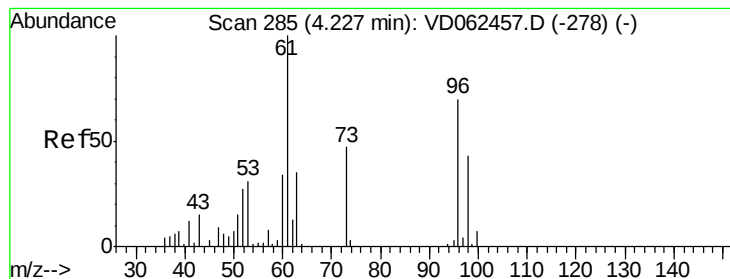
Tgt Ion: 73 Resp: 949808
Ion Ratio Lower Upper
73 100
57 17.0 16.3 24.5



#20
Methylene Chloride
Concen: 72.998 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

Tgt Ion: 84 Resp: 412381
Ion Ratio Lower Upper
84 100
49 128.7 94.0 141.0
51 39.8 29.0 43.4
86 66.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 76.236 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

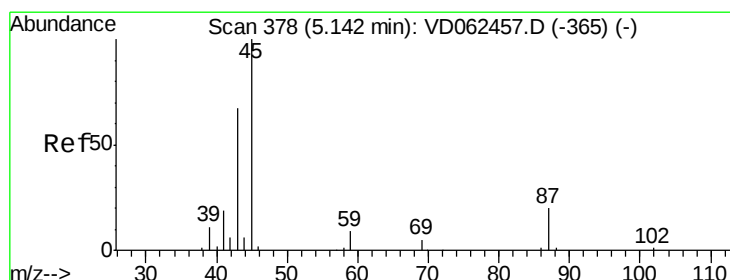
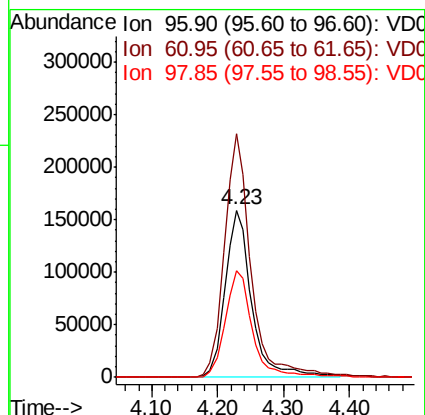
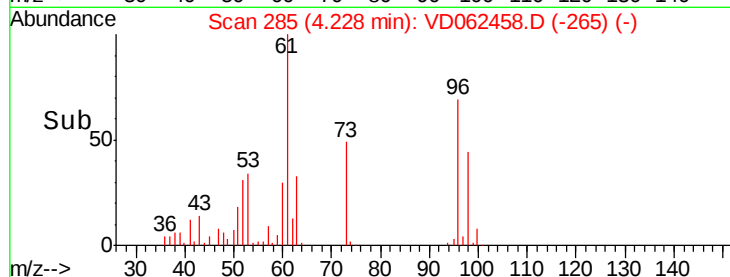
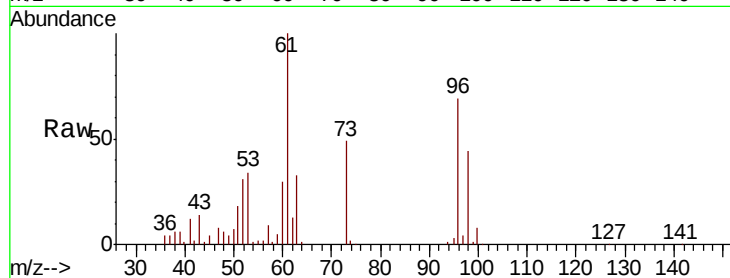
Tgt Ion: 96 Resp: 449058

Ion Ratio Lower Upper

96 100

61 145.4 104.4 156.6

98 63.7 51.8 77.8



#22

Diisopropyl ether

Concen: 75.098 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Tgt Ion: 45 Resp: 1229980

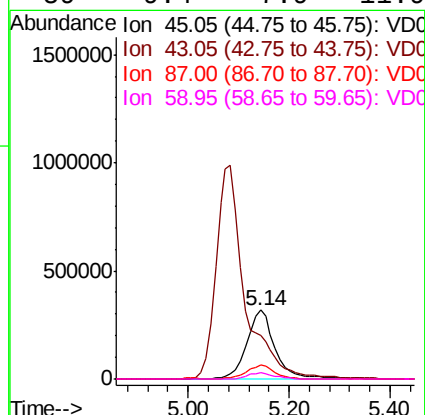
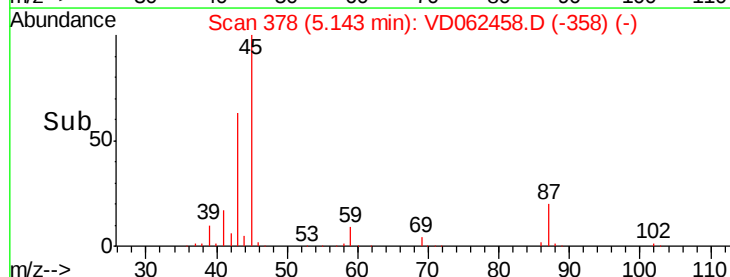
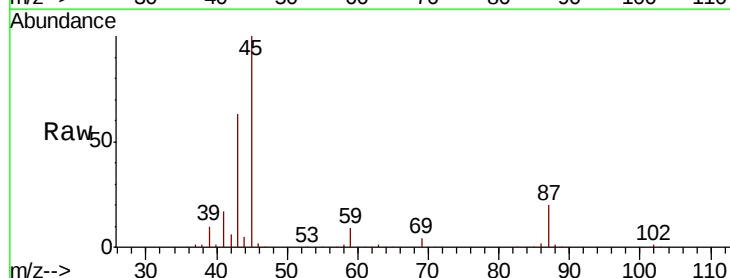
Ion Ratio Lower Upper

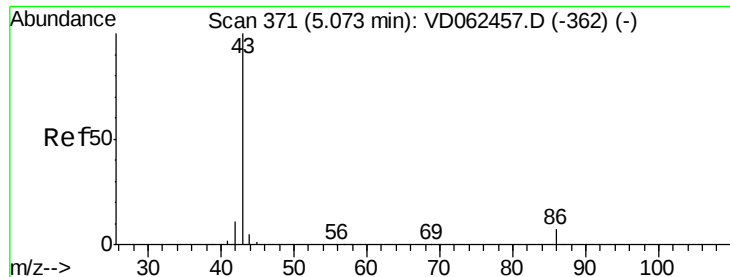
45 100

43 63.4 46.2 69.2

87 20.5 15.9 23.9

59 9.4 7.9 11.9





#23

Vinyl Acetate

Concen: 449.257 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.01 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

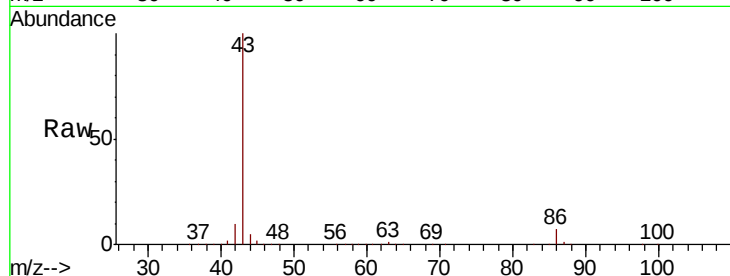
VSTDIC075

Tgt Ion: 43 Resp: 3882184

Ion Ratio Lower Upper

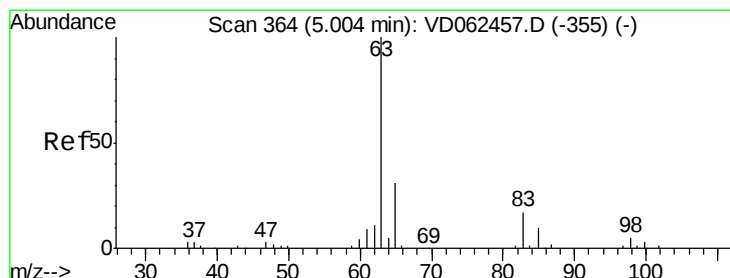
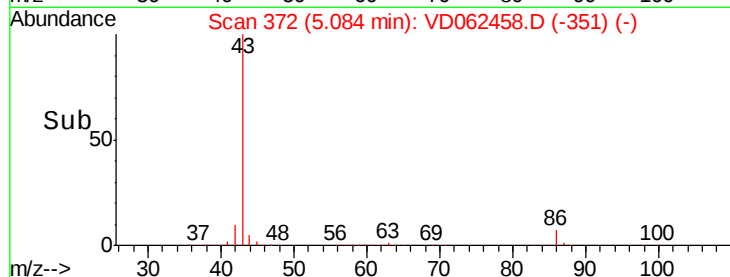
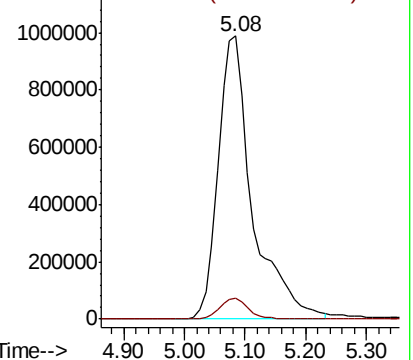
43 100

86 7.3 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 77.896 ug/l

RT: 5.00 min Scan# 363

Delta R.T. -0.01 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

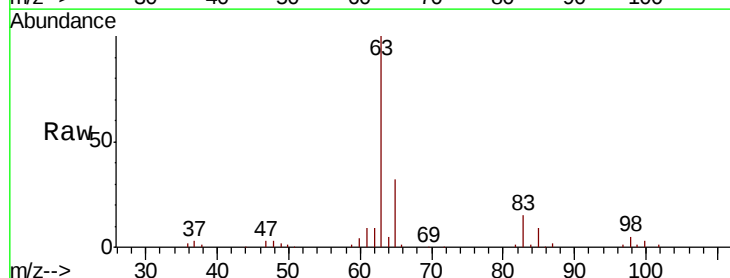
Tgt Ion: 63 Resp: 769648

Ion Ratio Lower Upper

63 100

98 5.1 2.8 8.4

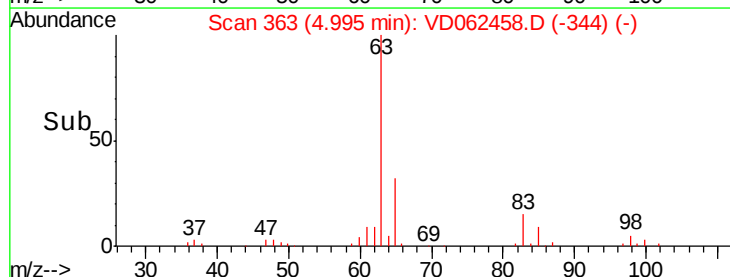
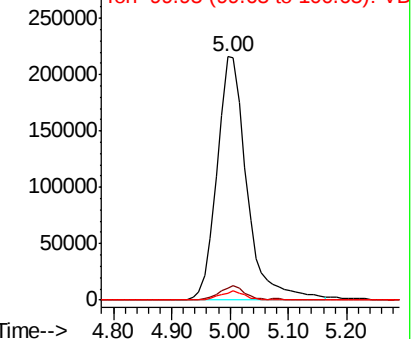
100 3.0 1.8 5.5

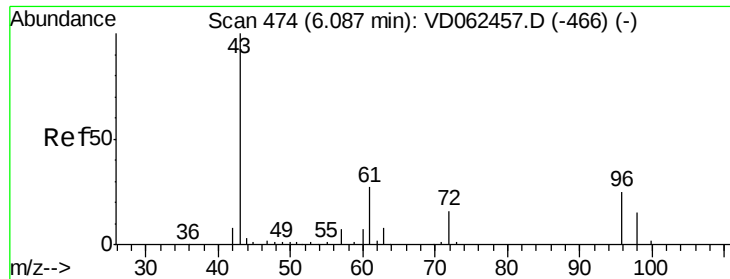


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 395.922 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

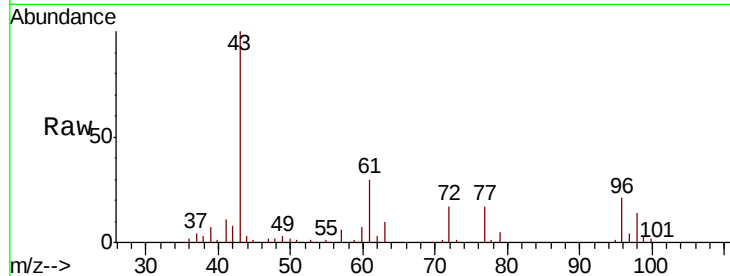
VSTDIC075

Tgt Ion: 43 Resp: 584290

Ion Ratio Lower Upper

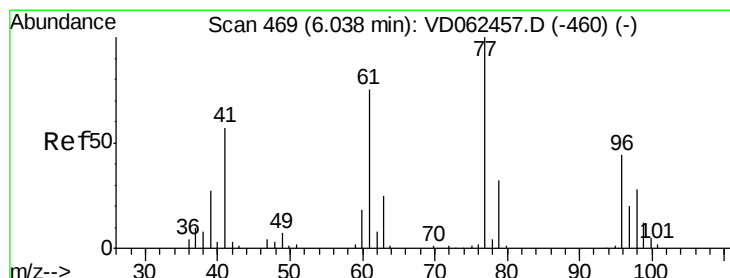
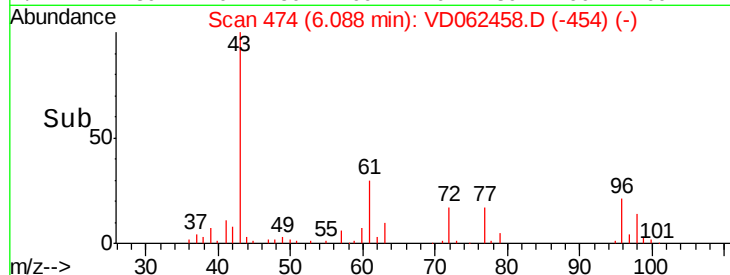
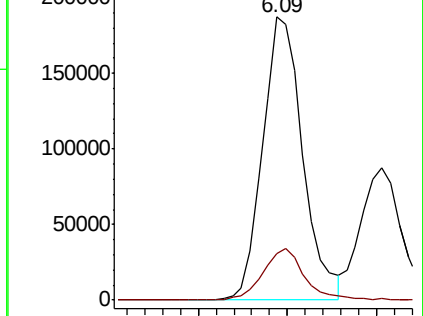
43 100

72 16.7 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: 78.082 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD062458.D

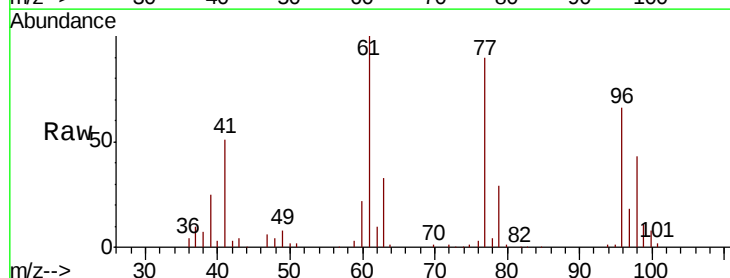
Acq: 20 May 2019 16:10

Tgt Ion: 77 Resp: 768483

Ion Ratio Lower Upper

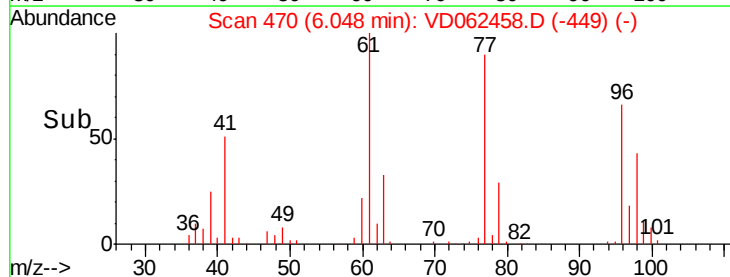
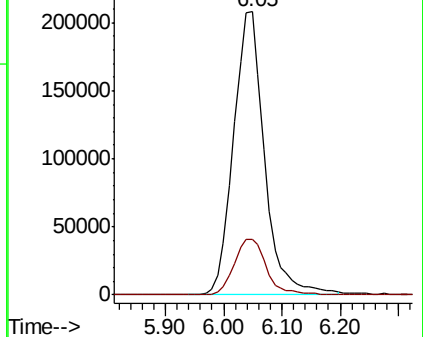
77 100

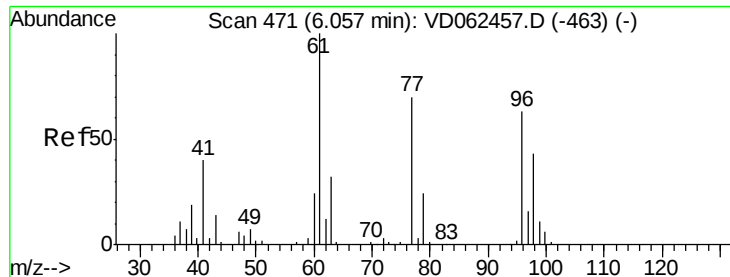
97 19.7 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



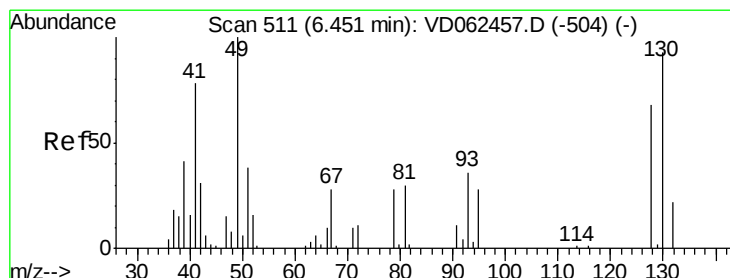
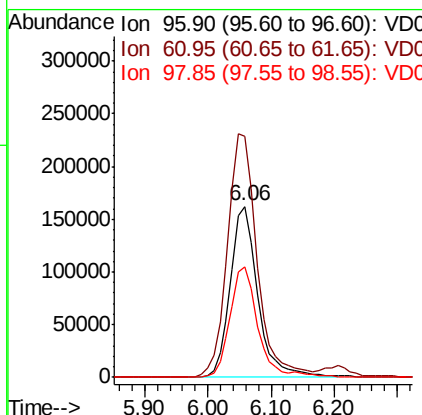
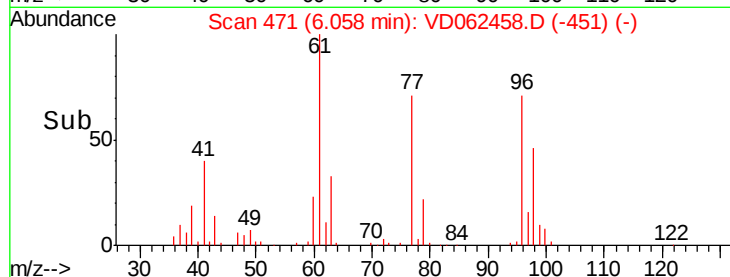
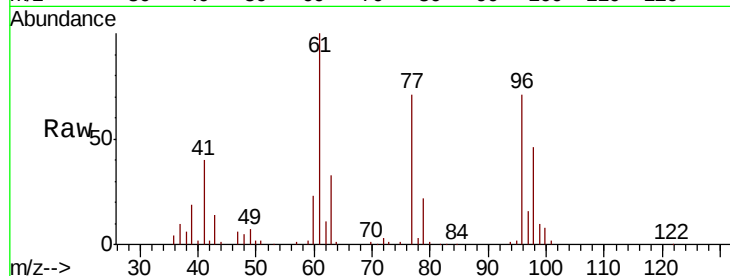


#27

cis-1,2-Dichloroethene
Concen: 74.225 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

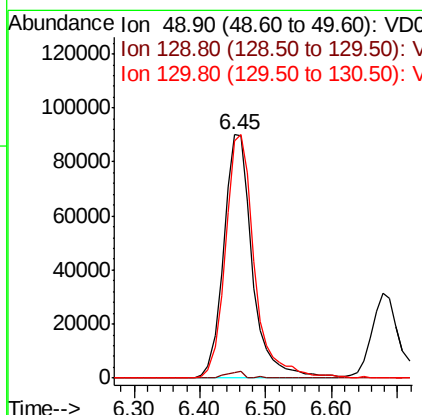
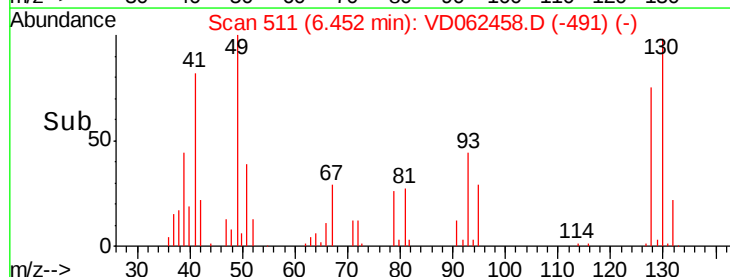
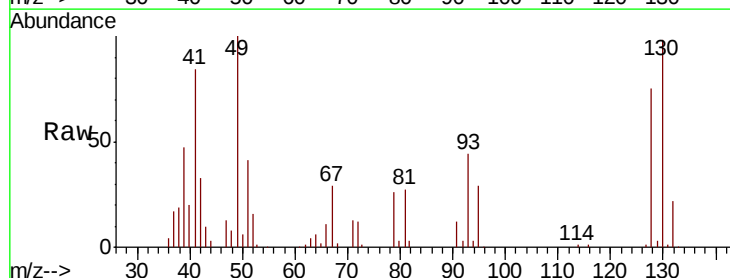
Tgt Ion: 96 Resp: 489382
Ion Ratio Lower Upper
96 100
61 140.8 0.0 279.8
98 64.7 0.0 136.0

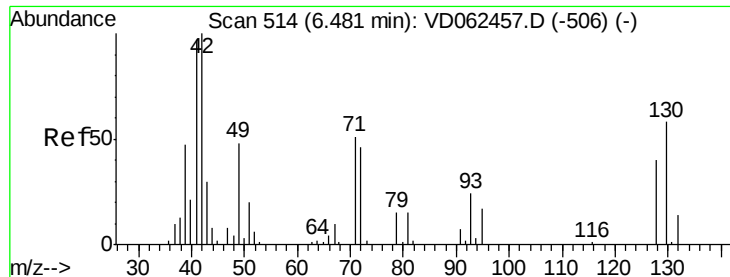


#28

Bromochloromethane
Concen: 70.774 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

Tgt Ion: 49 Resp: 275118
Ion Ratio Lower Upper
49 100
129 2.5 0.0 6.6
130 97.7 86.7 130.1





#29

Tetrahydrofuran

Concen: 404.378 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

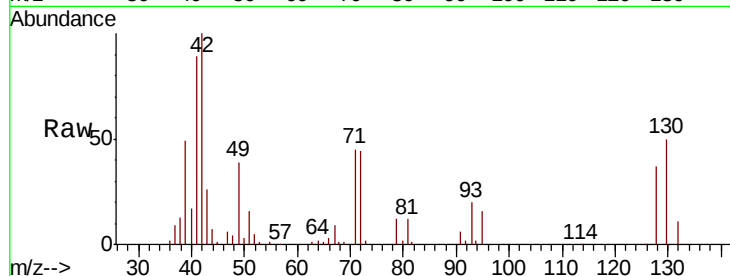
Tgt Ion: 42 Resp: 274967

Ion Ratio Lower Upper

42 100

72 44.3 37.8 56.6

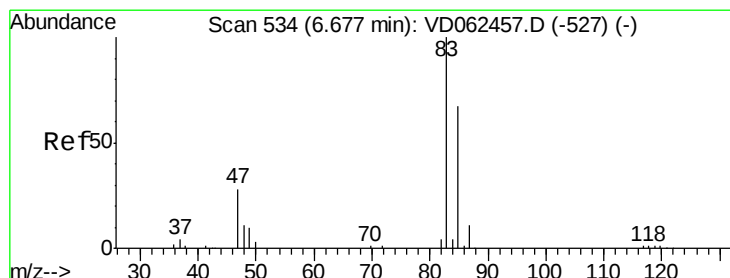
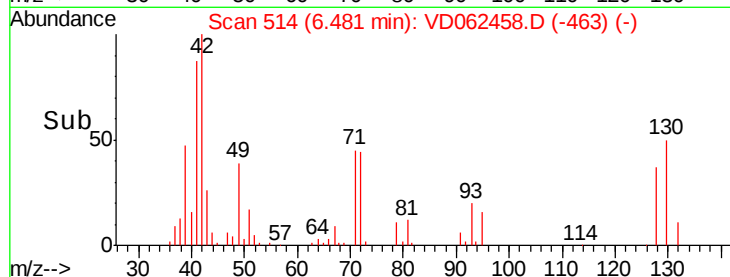
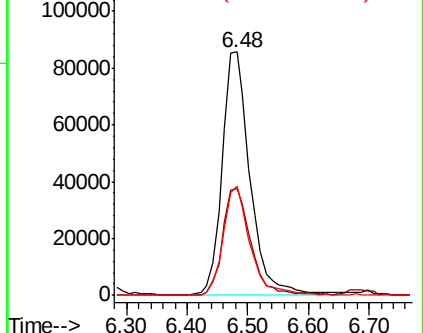
71 43.4 36.7 55.1



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: 83.430 ug/l

RT: 6.69 min Scan# 535

Delta R.T. 0.01 min

Lab File: VD062458.D

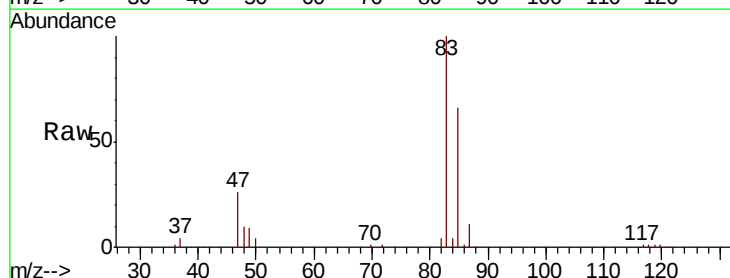
Acq: 20 May 2019 16:10

Tgt Ion: 83 Resp: 993458

Ion Ratio Lower Upper

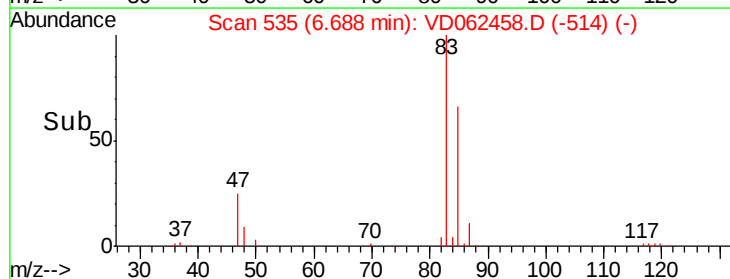
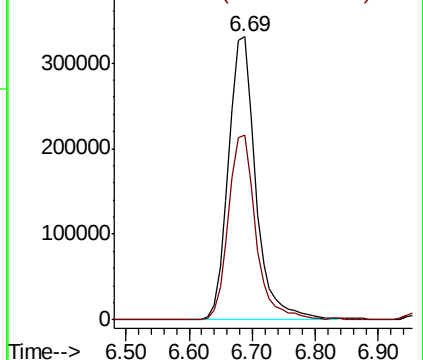
83 100

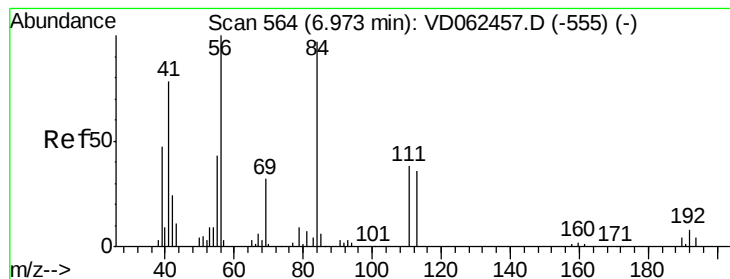
85 65.5 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 70.721 ug/l

RT: 6.96 min Scan# 563

Delta R.T. -0.01 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

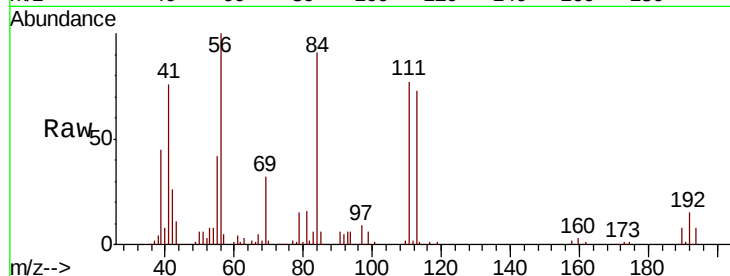
Tgt Ion: 56 Resp: 478718

Ion Ratio Lower Upper

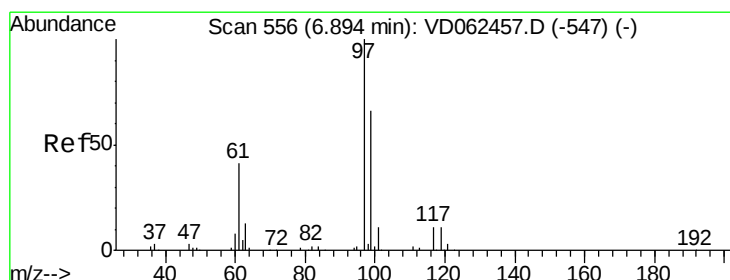
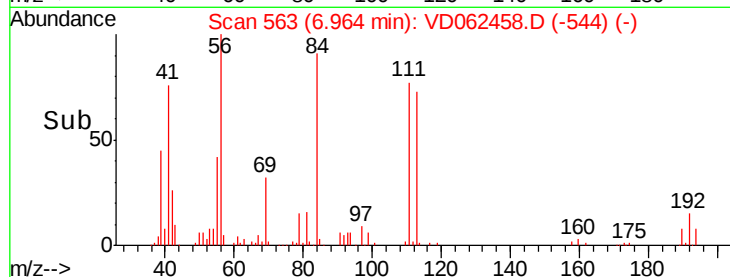
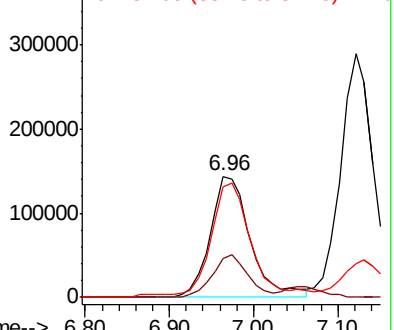
56 100

69 32.3 25.8 38.6

84 91.0 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: 85.298 ug/l

RT: 6.88 min Scan# 555

Delta R.T. -0.01 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

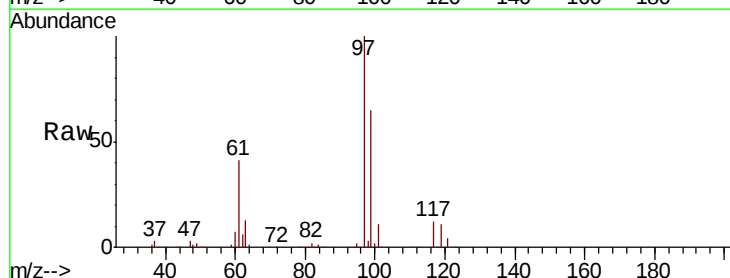
Tgt Ion: 97 Resp: 960025

Ion Ratio Lower Upper

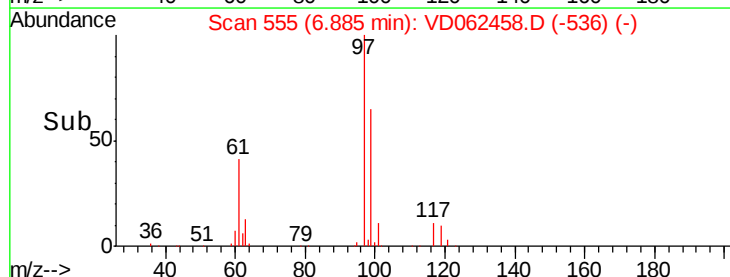
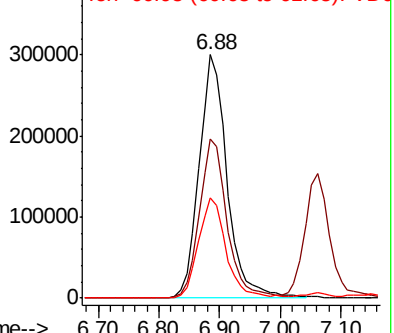
97 100

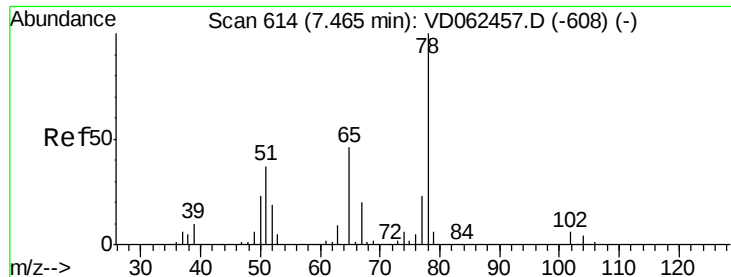
99 65.5 52.2 78.2

61 41.1 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: 88.693 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

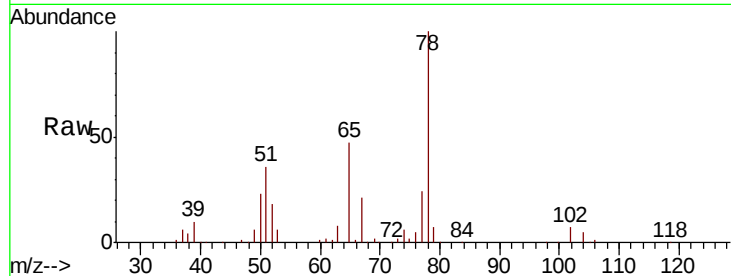
VSTDIC075

Tgt Ion: 65 Resp: 572216

Ion Ratio Lower Upper

65 100

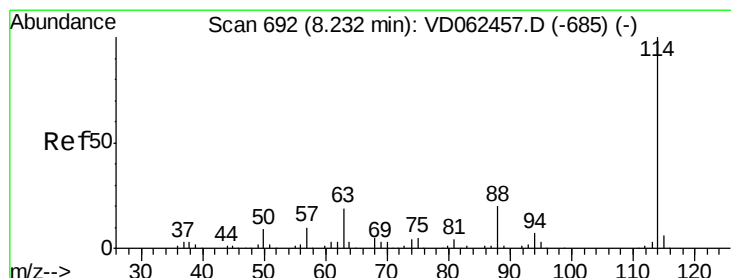
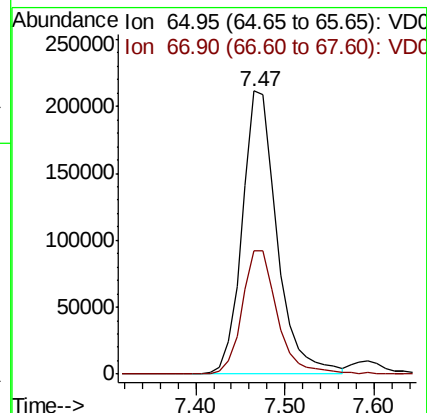
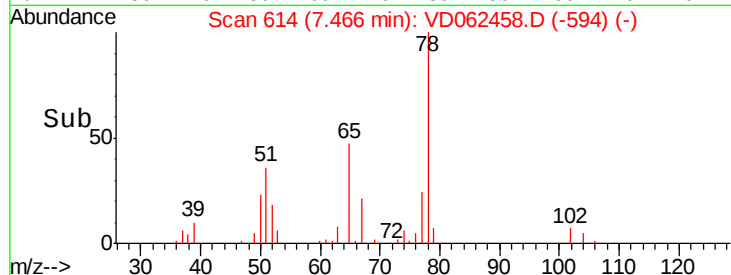
67 43.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

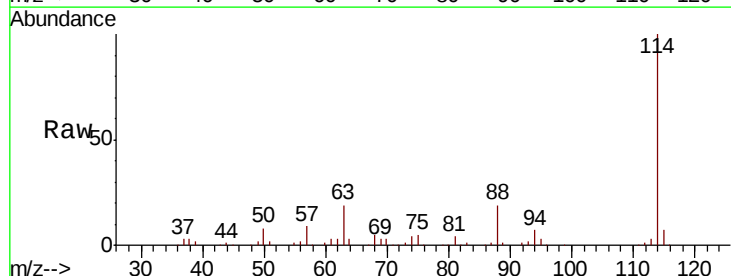
Tgt Ion: 114 Resp: 931772

Ion Ratio Lower Upper

114 100

63 18.5 0.0 32.4

88 18.8 0.0 33.6

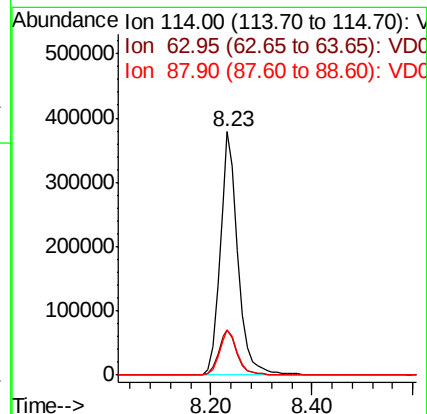
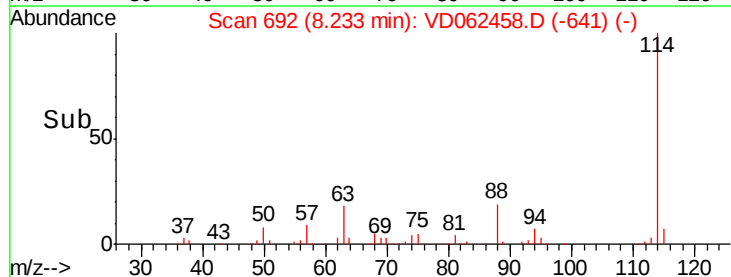


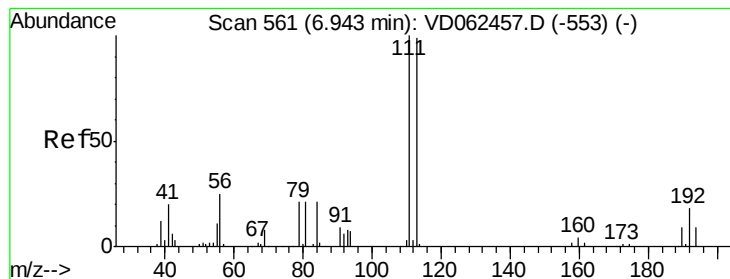
Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23





#35

Dibromofluoromethane

Concen: 83.154 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

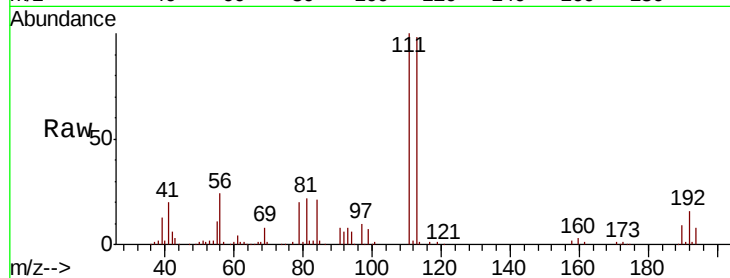
Tgt Ion:113 Resp: 642864

Ion Ratio Lower Upper

113 100

111 101.9 78.5 117.7

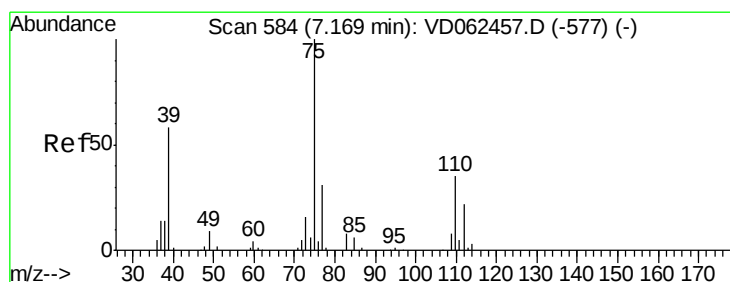
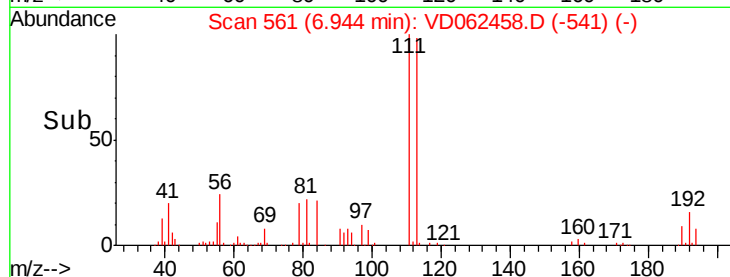
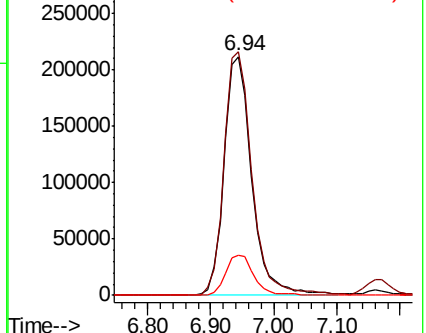
192 16.8 13.0 19.4



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: 79.406 ug/l

RT: 7.16 min Scan# 583

Delta R.T. -0.01 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

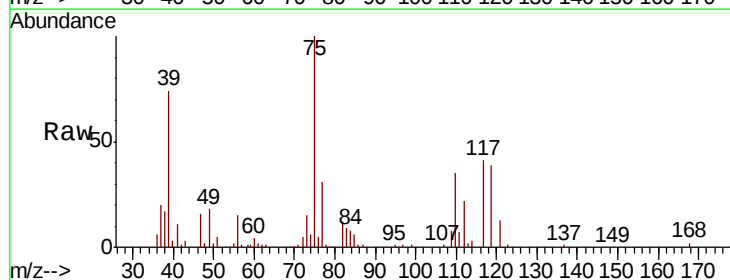
Tgt Ion: 75 Resp: 606633

Ion Ratio Lower Upper

75 100

110 34.8 19.1 57.1

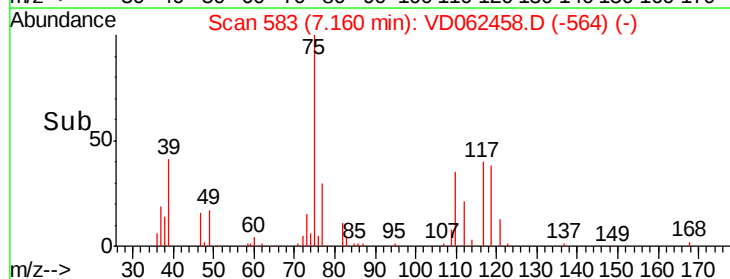
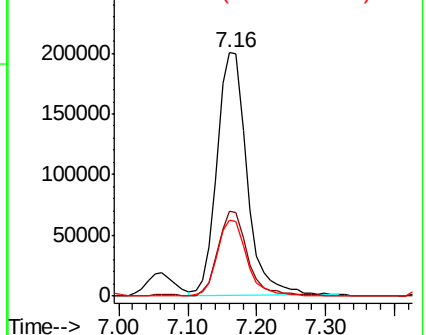
77 31.2 25.6 38.4

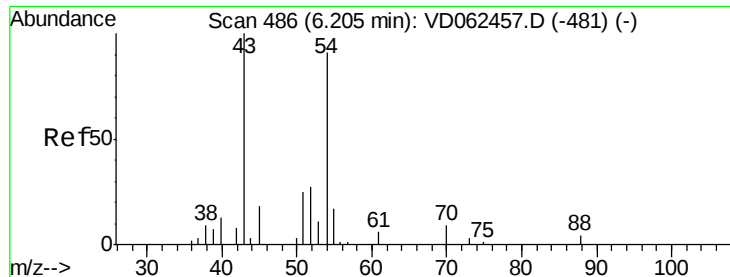


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 87.321 ug/l

RT: 6.21 min Scan# 486

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

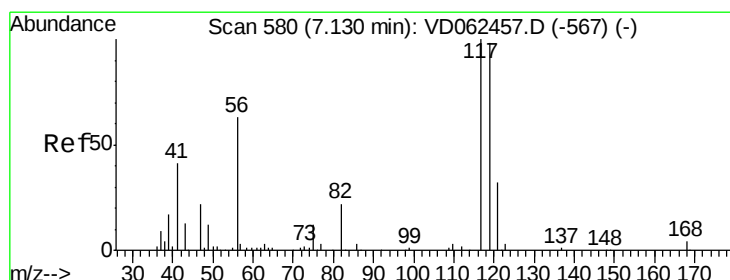
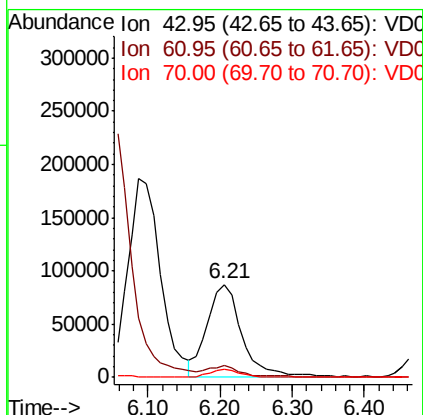
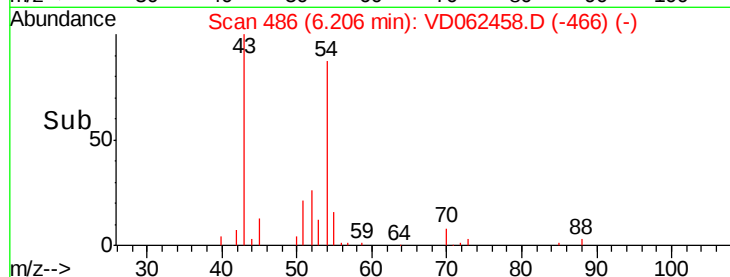
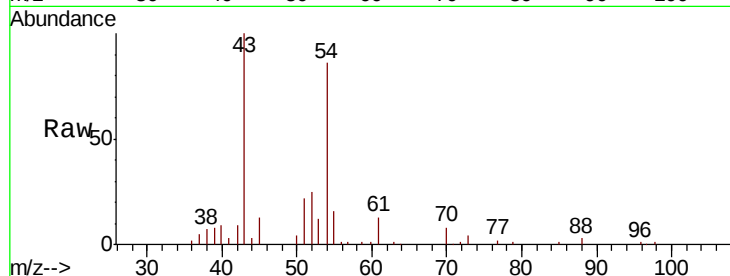
Tgt Ion: 43 Resp: 282910

Ion Ratio Lower Upper

43 100

61 13.3 14.7 22.1#

70 8.4 7.8 11.6



#38

Carbon Tetrachloride

Concen: 97.805 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

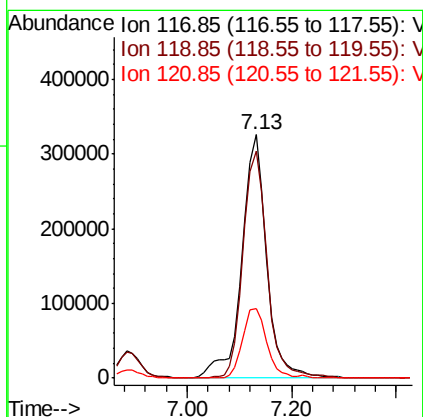
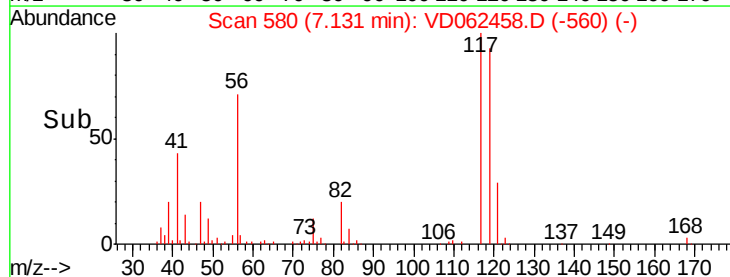
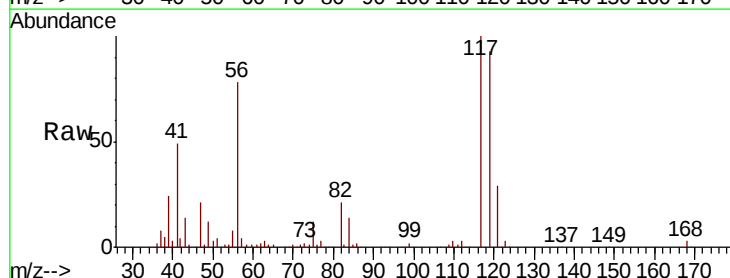
Tgt Ion: 117 Resp: 1034184

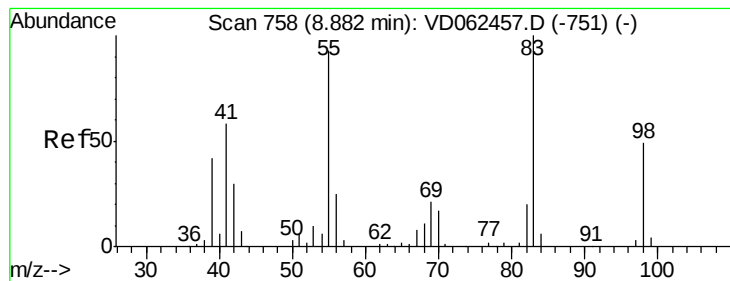
Ion Ratio Lower Upper

117 100

119 93.3 75.8 113.8

121 28.7 25.9 38.9





#39

Methylcyclohexane

Concen: 75.133 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

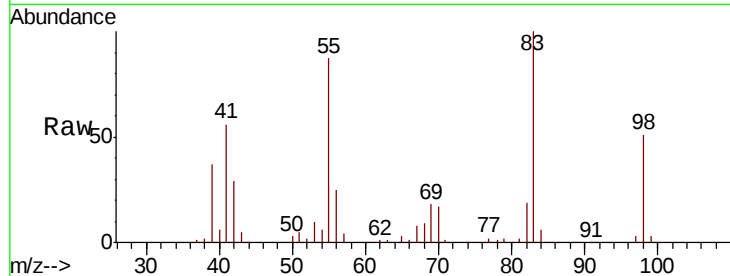
Tgt Ion: 83 Resp: 549953

Ion Ratio Lower Upper

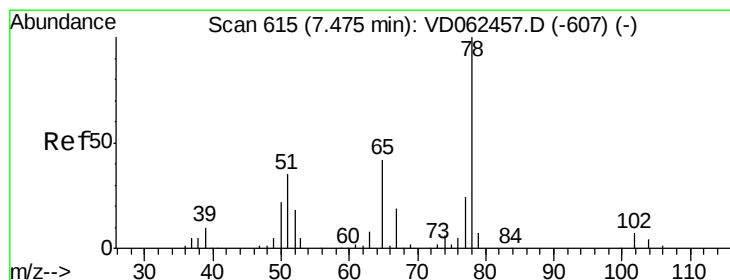
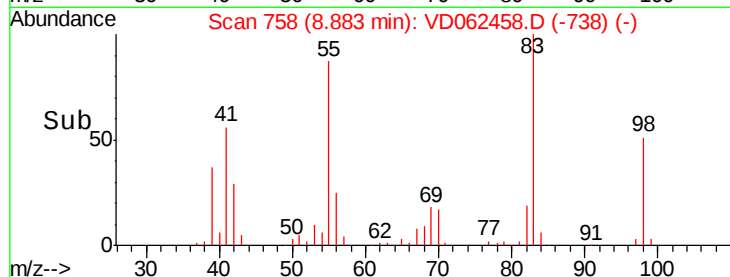
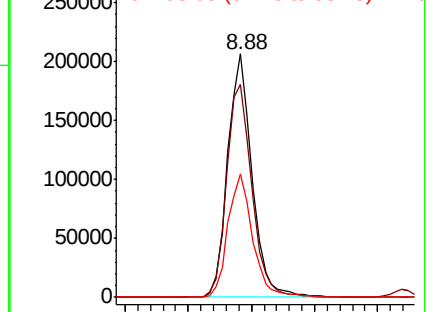
83 100

55 87.3 68.2 102.4

98 50.7 38.2 57.4



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



#40

Benzene

Concen: 75.192 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.00 min

Lab File: VD062458.D

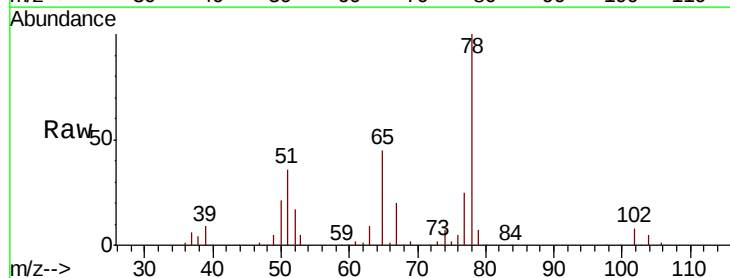
Acq: 20 May 2019 16:10

Tgt Ion: 78 Resp: 1297147

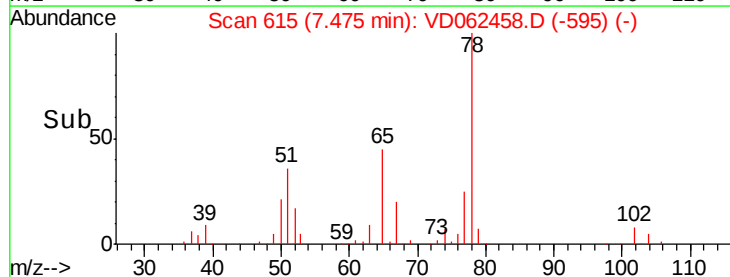
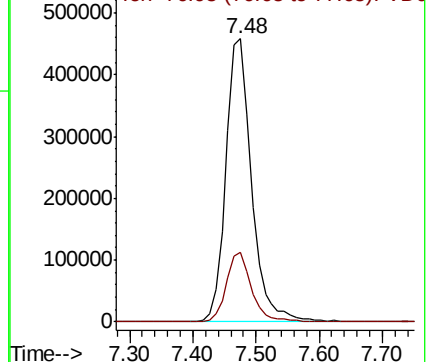
Ion Ratio Lower Upper

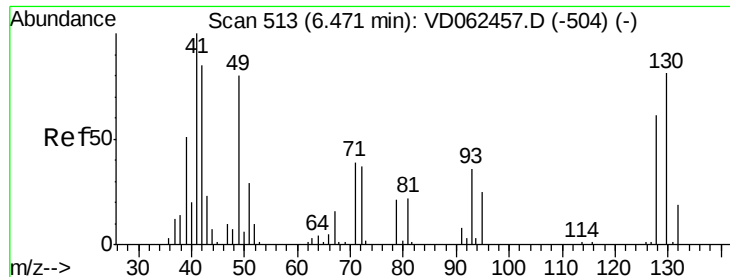
78 100

77 24.7 19.7 29.5



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

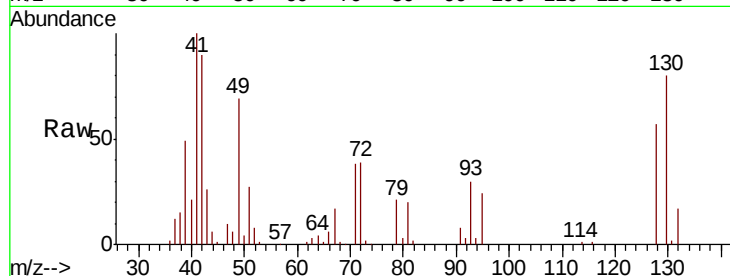




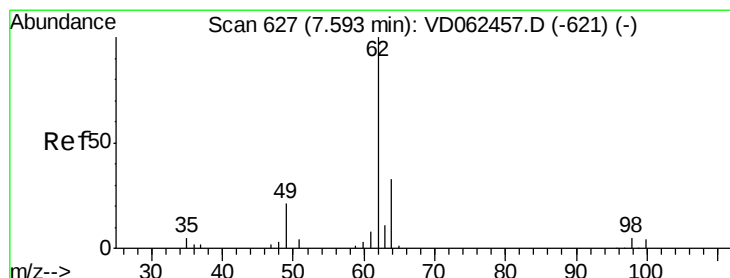
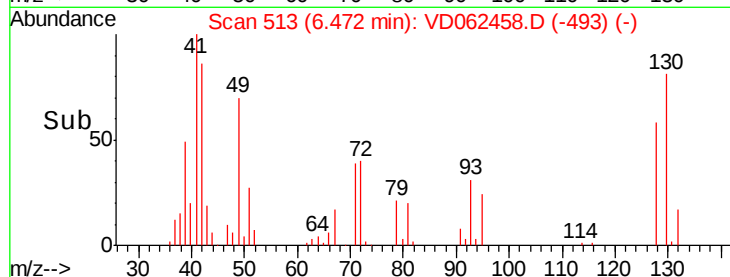
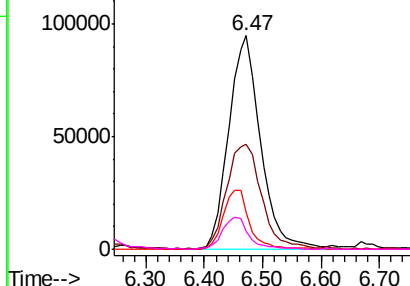
#41
Methacrylonitrile
Concen: 91.490 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 41 Resp: 362232
Ion Ratio Lower Upper
41 100
39 49.3 34.1 51.1
67 17.2 23.8 35.6#
52 8.3 8.8 13.2#

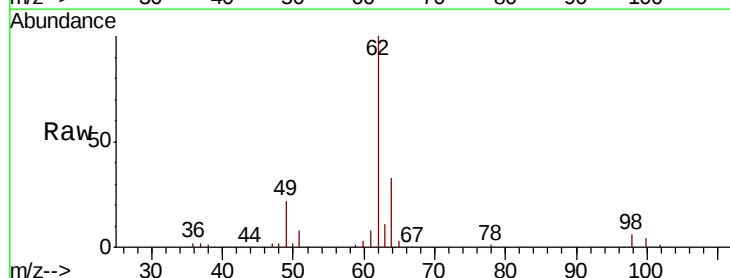


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

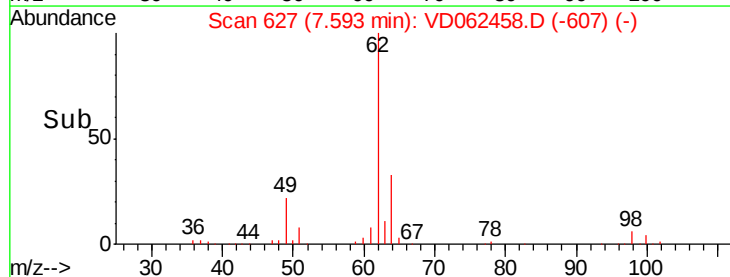
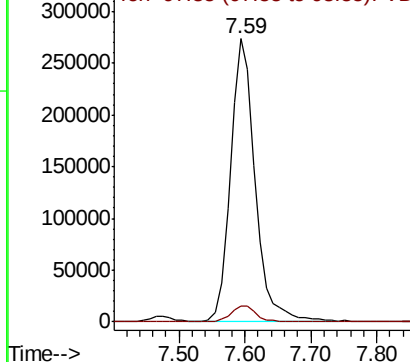


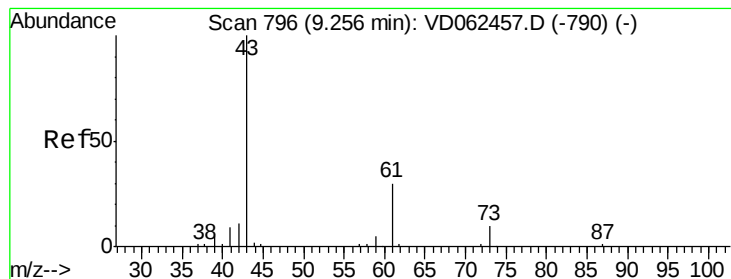
#42
1,2-Dichloroethane
Concen: 98.449 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

Tgt Ion: 62 Resp: 719571
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: 86.631 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

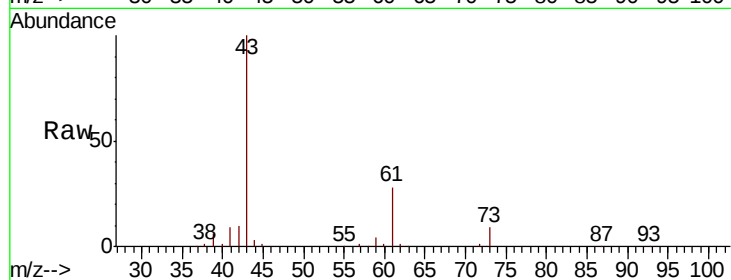
Tgt Ion: 43 Resp: 398059

Ion Ratio Lower Upper

43 100

61 27.7 25.1 37.7

87 0.3 0.0 0.0#

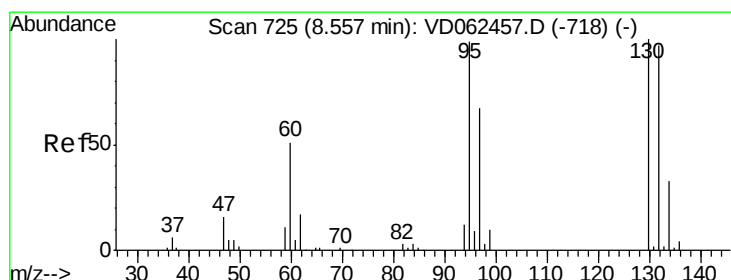
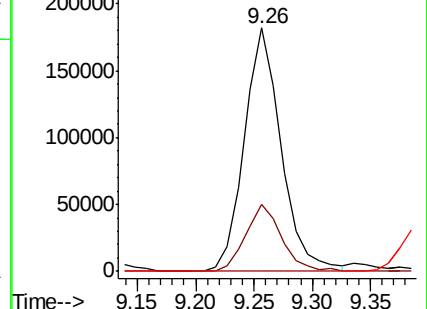
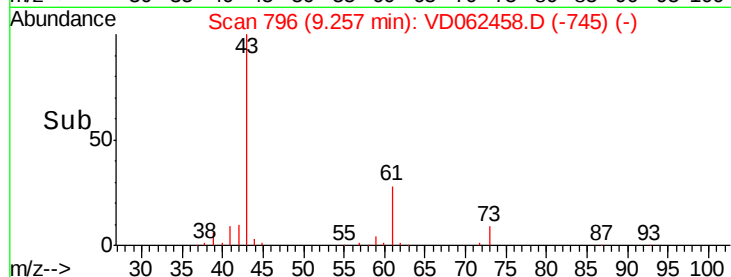


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

9.26



#44

Trichloroethene

Concen: 82.128 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.00 min

Lab File: VD062458.D

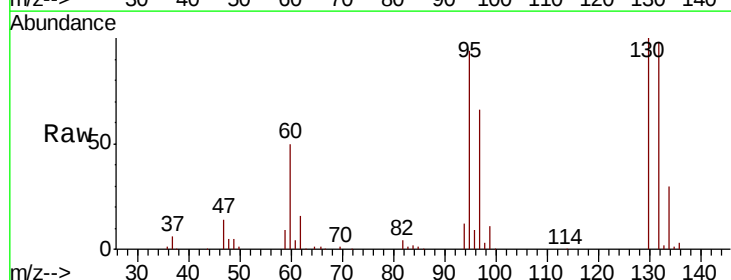
Acq: 20 May 2019 16:10

Tgt Ion: 130 Resp: 539885

Ion Ratio Lower Upper

130 100

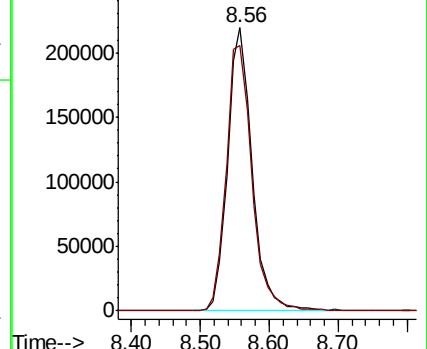
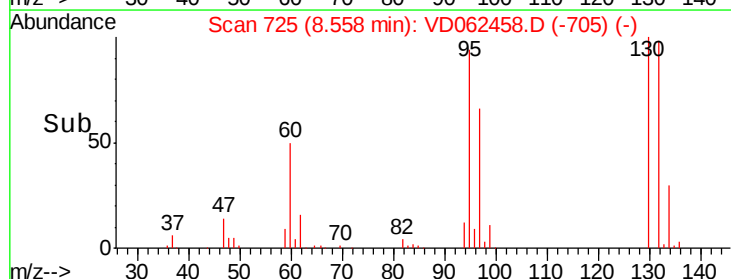
95 93.7 0.0 174.0

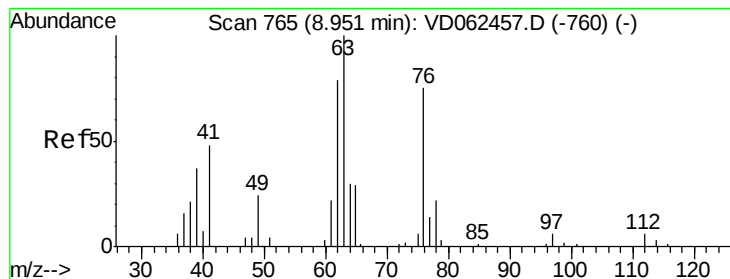


Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

8.56





#45

1,2-Dichloropropane

Concen: 79.607 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

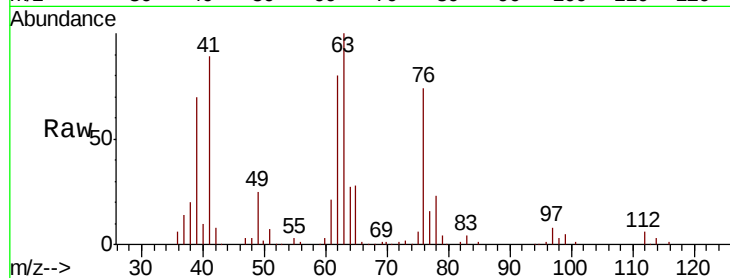
VSTDIC075

Tgt Ion: 63 Resp: 339692

Ion Ratio Lower Upper

63 100

65 27.9 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

150000

100000

50000

0

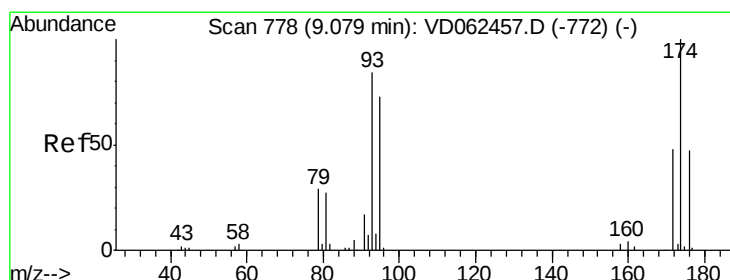
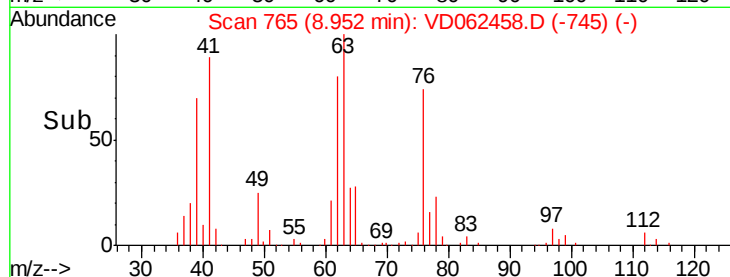
8.95

8.90

9.00

9.10

Time-->



#46

Dibromomethane

Concen: 88.099 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

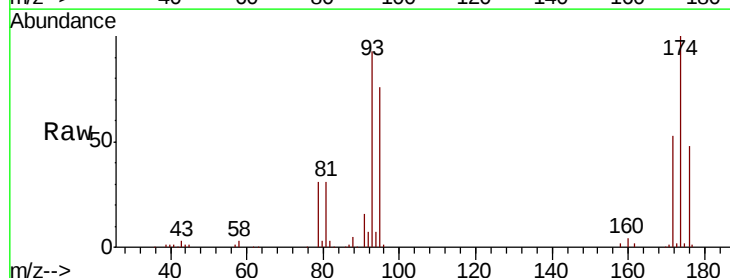
Tgt Ion: 93 Resp: 305699

Ion Ratio Lower Upper

93 100

95 81.2 64.8 97.2

174 107.3 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

150000

100000

50000

0

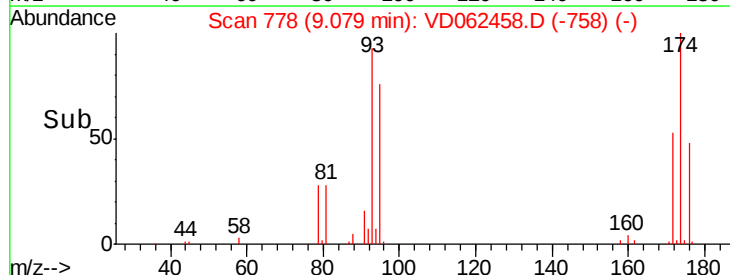
9.08

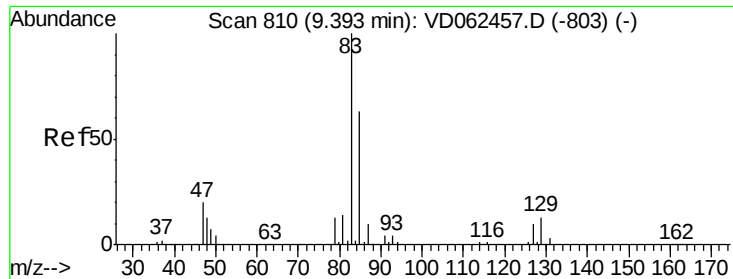
9.00

9.10

9.20

Time-->





#47

Bromodichloromethane

Concen: 91.634 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

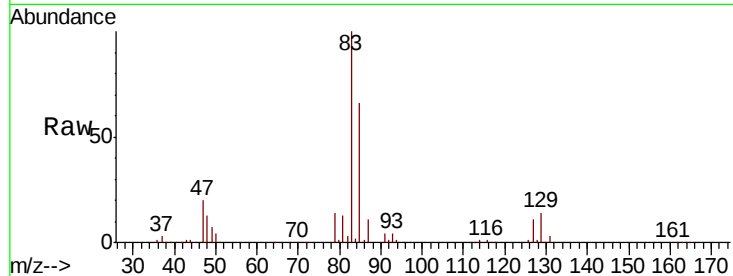
Tgt Ion: 83 Resp: 777754

Ion Ratio Lower Upper

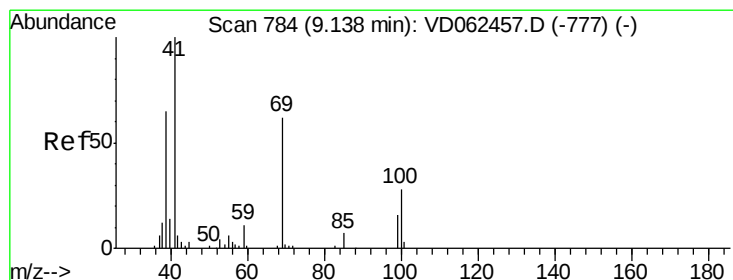
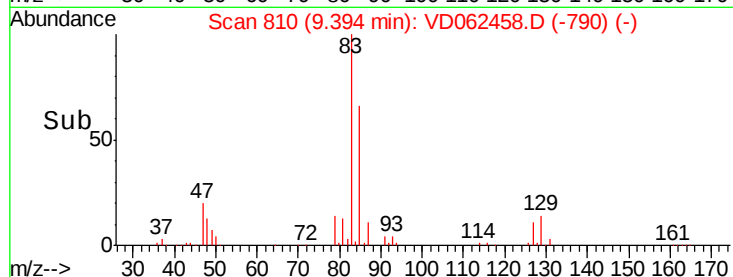
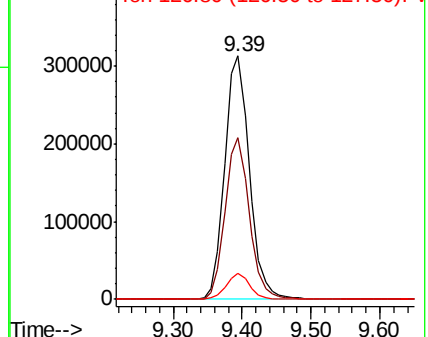
83 100

85 66.4 50.9 76.3

127 10.6 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 83.251 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

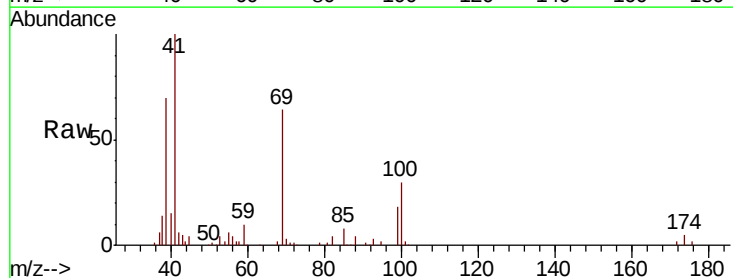
Tgt Ion: 41 Resp: 235621

Ion Ratio Lower Upper

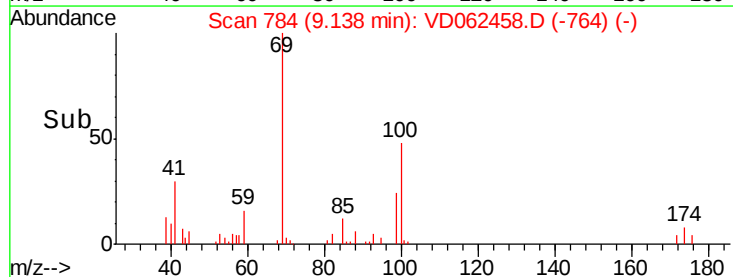
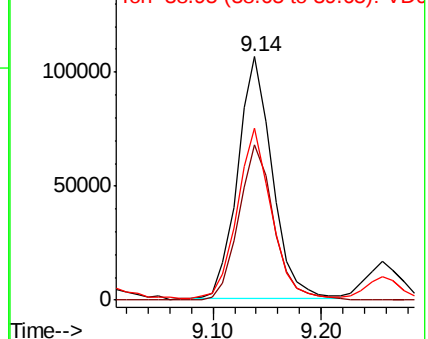
41 100

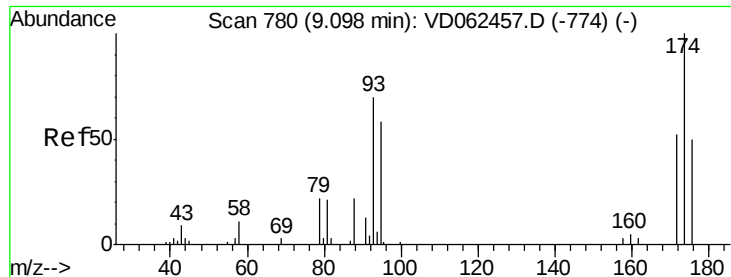
69 63.7 64.2 96.2#

39 70.4 46.8 70.2#



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

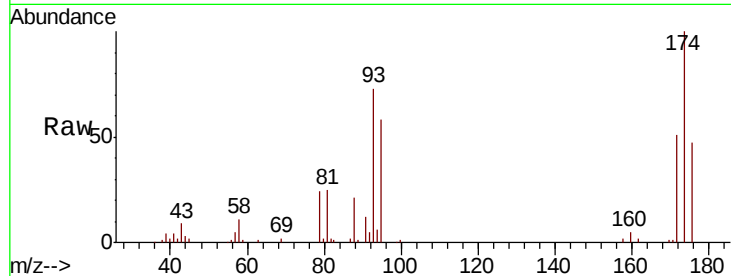




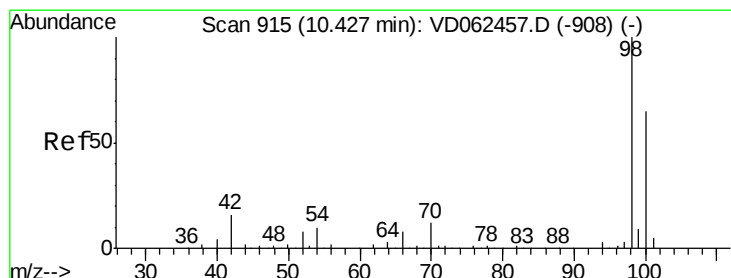
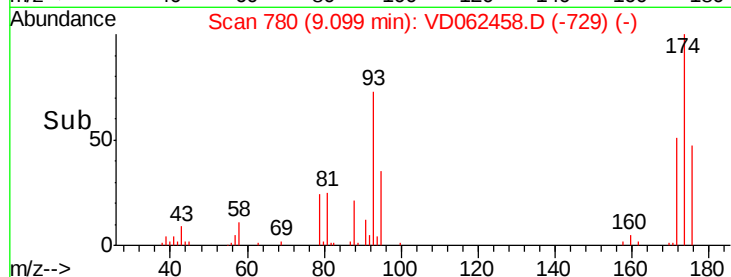
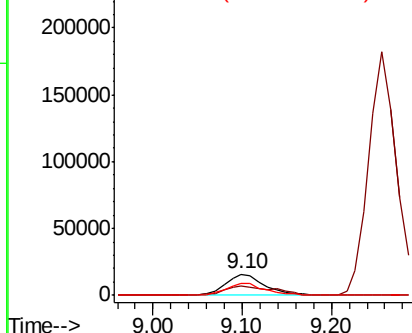
#49
1,4-Dioxane
Concen: 1544.389 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 88 Resp: 47161
Ion Ratio Lower Upper
88 100
43 43.8 23.4 35.0#
58 53.2 44.0 66.0

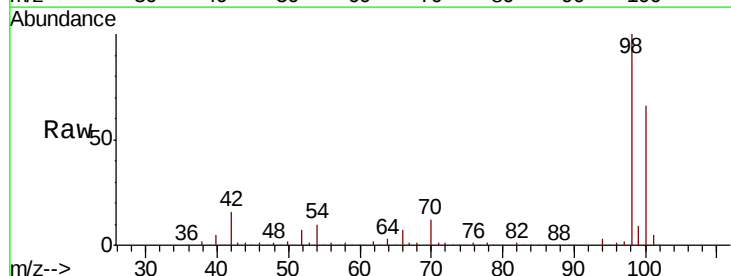


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

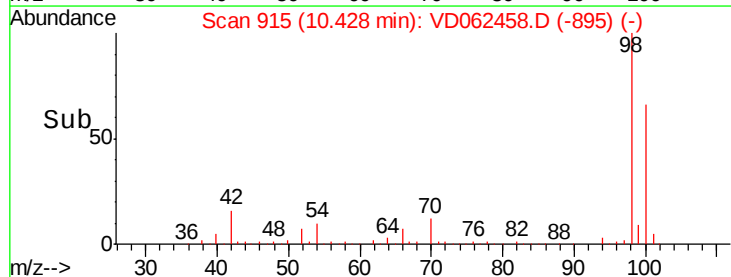
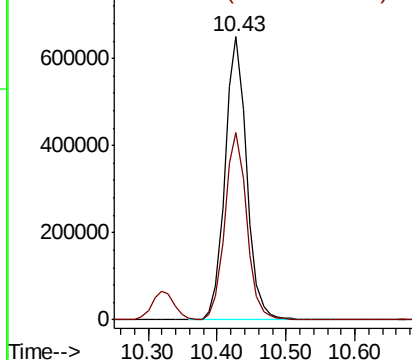


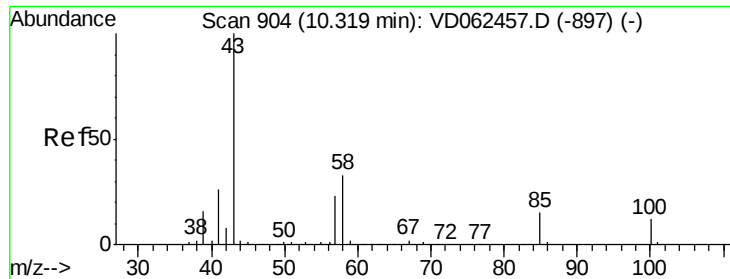
#50
Toluene-d8
Concen: 75.768 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

Tgt Ion: 98 Resp: 1412321
Ion Ratio Lower Upper
98 100
100 66.4 53.8 80.8



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

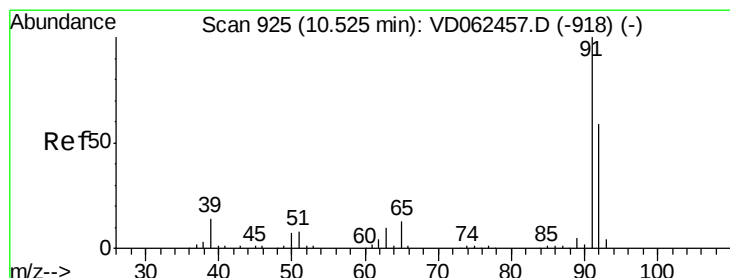
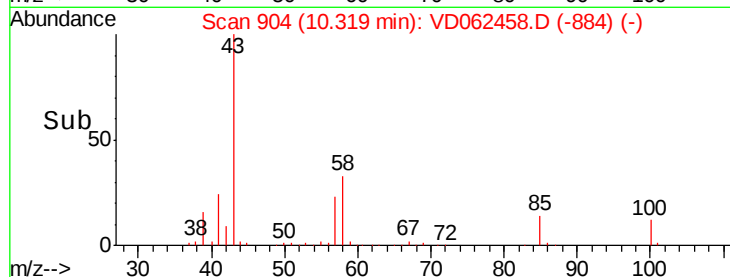
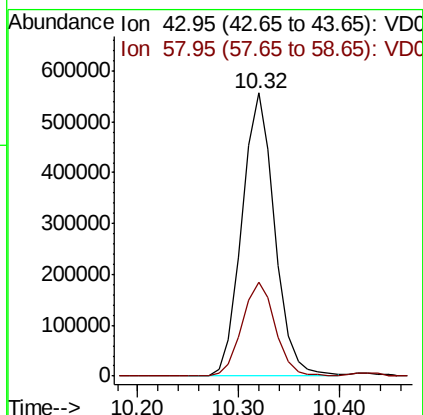
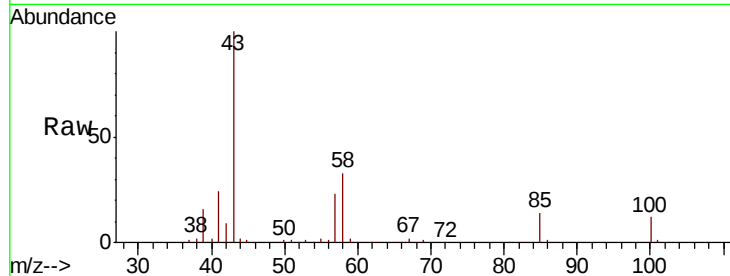




#51
 4-Methyl-2-Pentanone
 Concen: 426.172 ug/l
 RT: 10.32 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

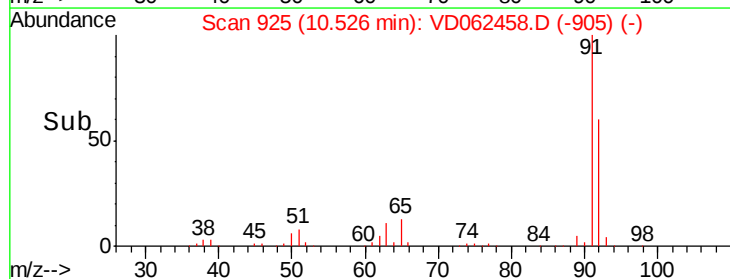
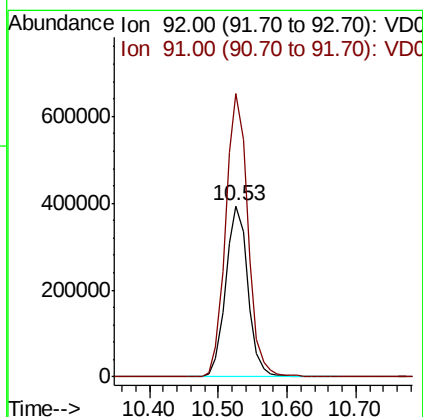
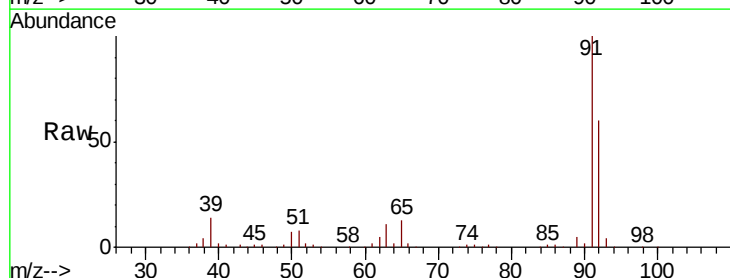
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

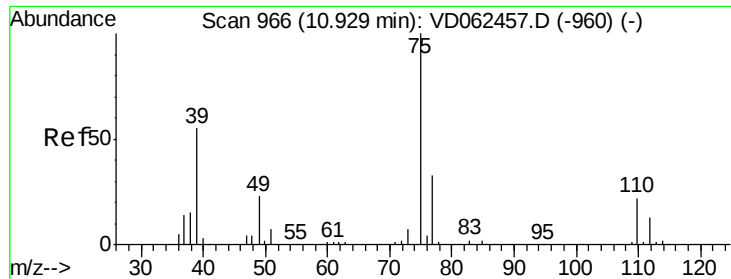
Tgt Ion: 43 Resp: 1258748
 Ion Ratio Lower Upper
 43 100
 58 33.4 30.4 45.6



#52
 Toluene
 Concen: 78.050 ug/l
 RT: 10.53 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

Tgt Ion: 92 Resp: 876055
 Ion Ratio Lower Upper
 92 100
 91 165.7 136.6 204.8

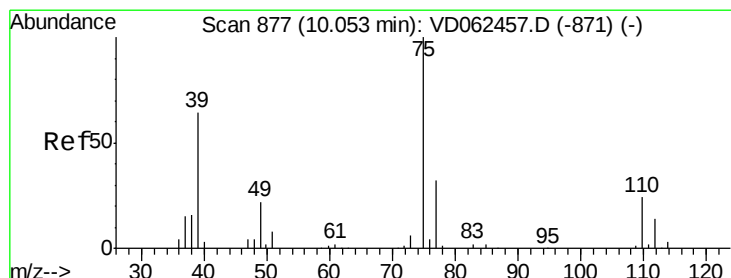
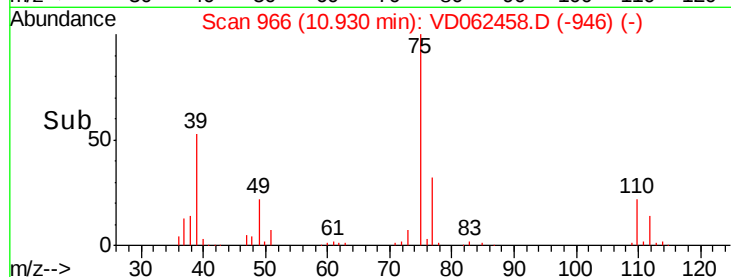
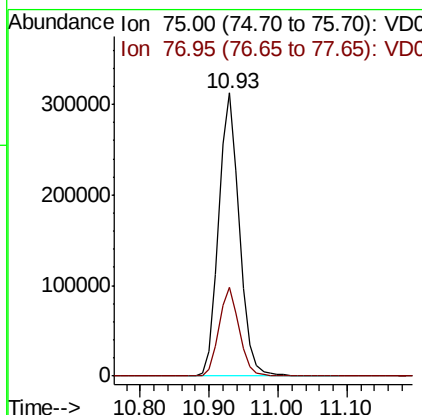
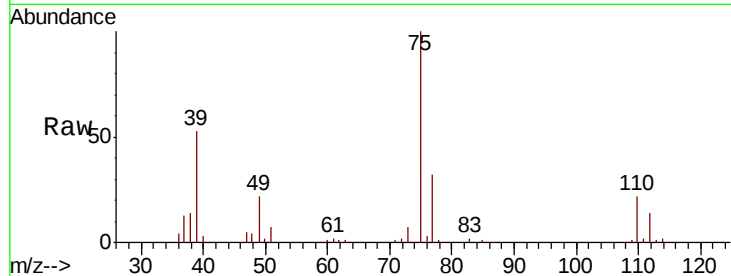




#53
 t-1,3-Dichloropropene
 Concen: 88.304 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

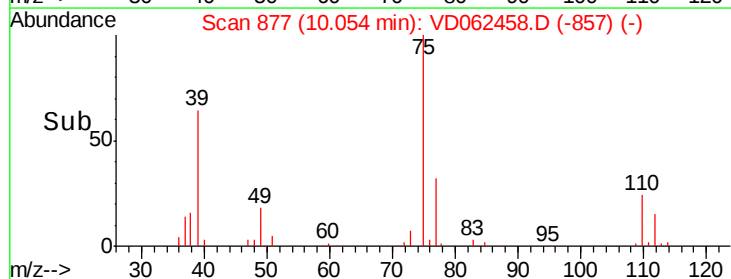
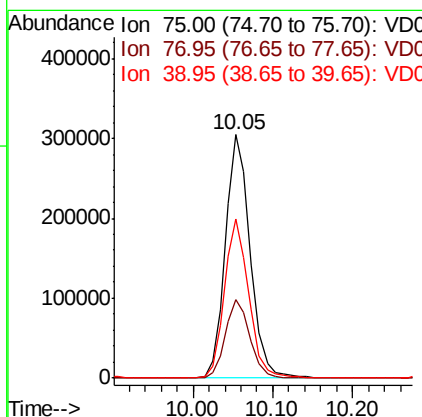
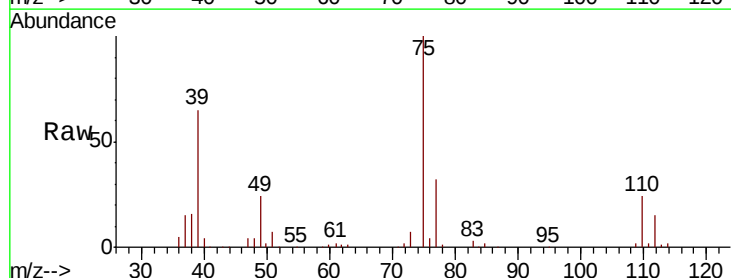
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

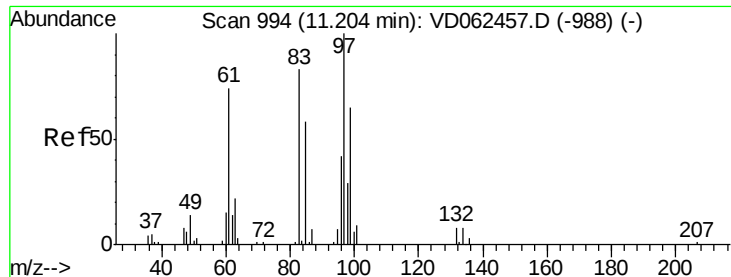
Tgt Ion: 75 Resp: 647769
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 83.292 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

Tgt Ion: 75 Resp: 666562
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.5 38.3
 39 65.3 39.4 59.2#

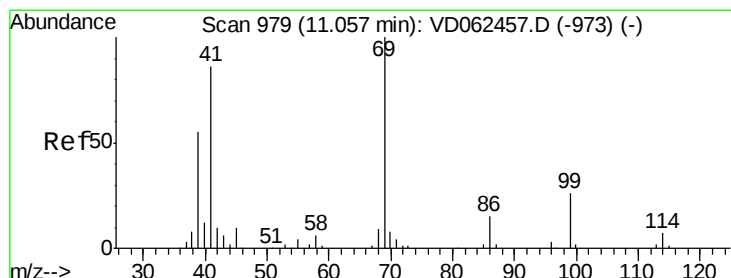
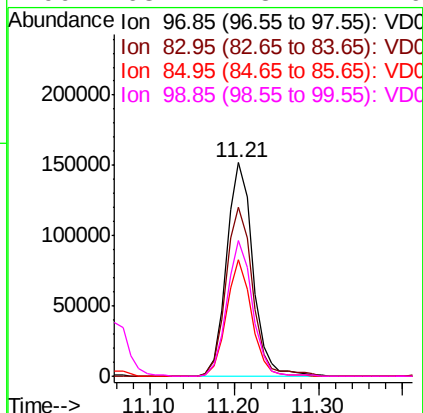
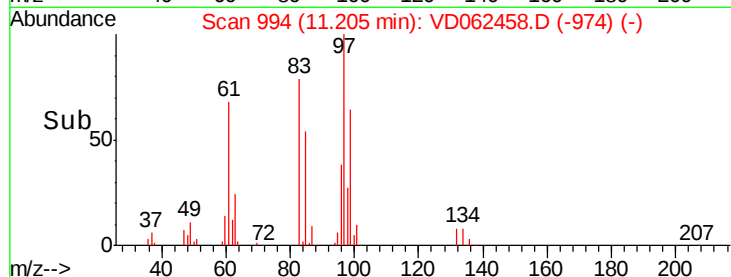
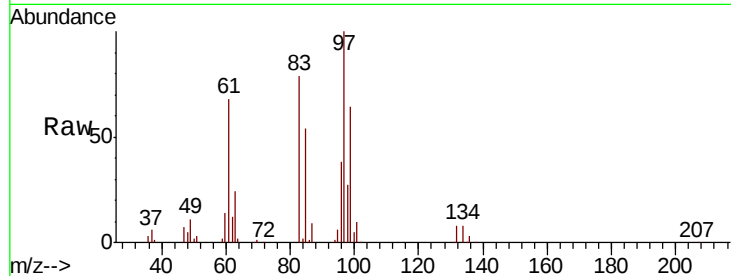




#55
 1,1,2-Trichloroethane
 Concen: 83.087 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

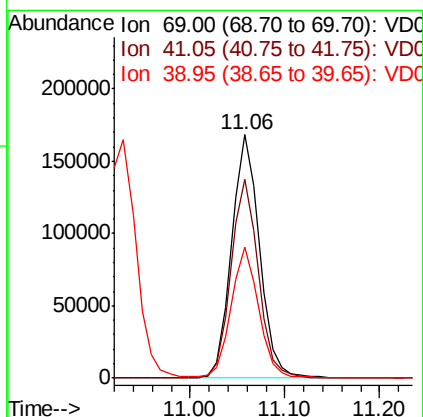
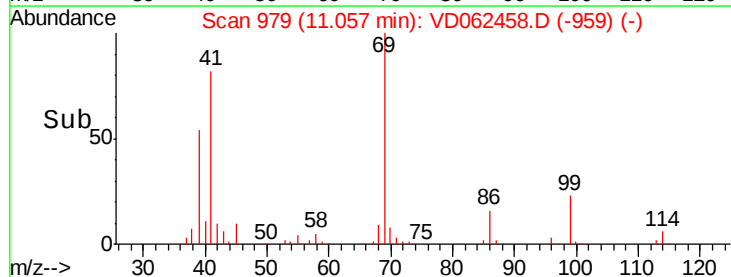
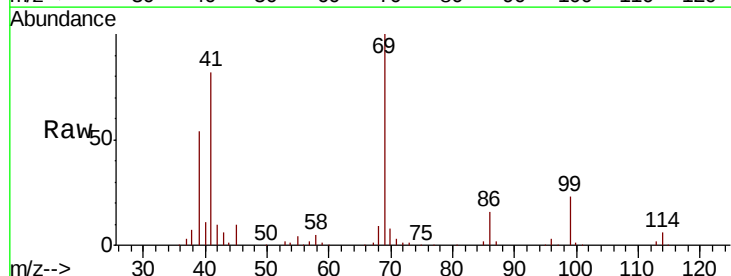
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

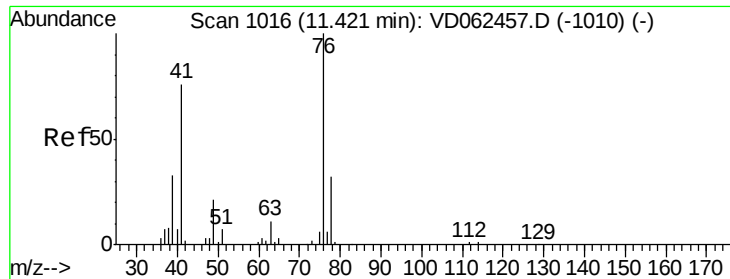
Tgt Ion:	97	Resp:	329975
Ion	Ratio	Lower	Upper
97	100		
83	79.4	65.7	98.5
85	54.3	45.6	68.4
99	63.7	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 83.018 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

Tgt Ion:	69	Resp:	342608
Ion	Ratio	Lower	Upper
69	100		
41	81.8	56.3	84.5
39	53.5	29.4	44.2#





#57

1,3-Dichloropropane

Concen: 79.157 ug/l

RT: 11.42 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

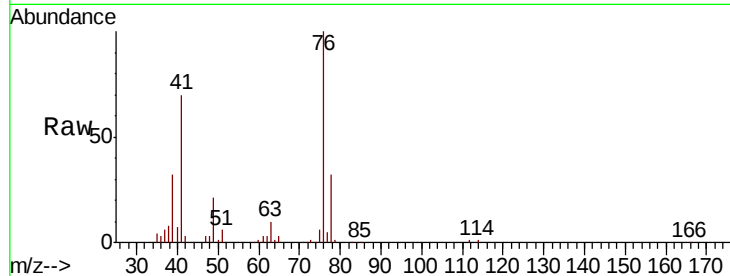
VSTDIC075

Tgt Ion: 76 Resp: 474934

Ion Ratio Lower Upper

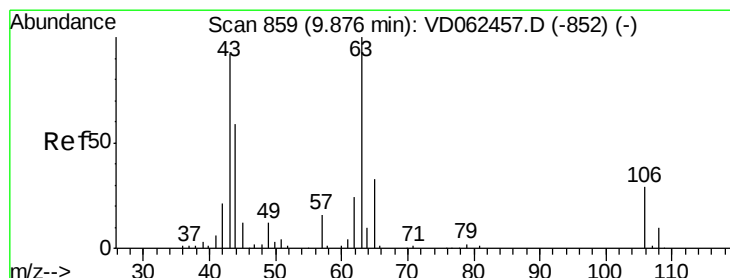
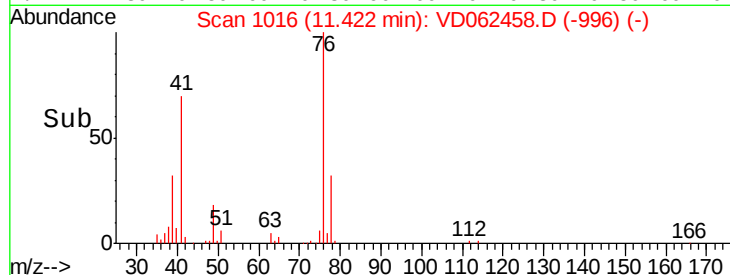
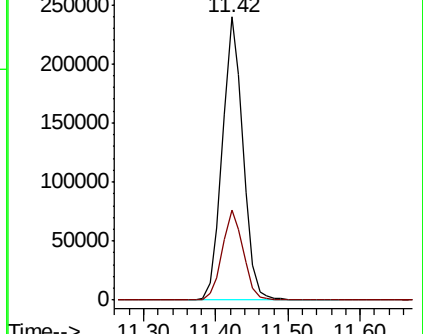
76 100

78 31.9 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: 392.395 ug/l

RT: 9.88 min Scan# 859

Delta R.T. 0.00 min

Lab File: VD062458.D

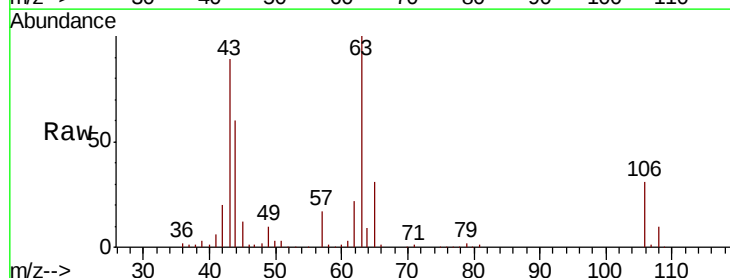
Acq: 20 May 2019 16:10

Tgt Ion: 63 Resp: 884561

Ion Ratio Lower Upper

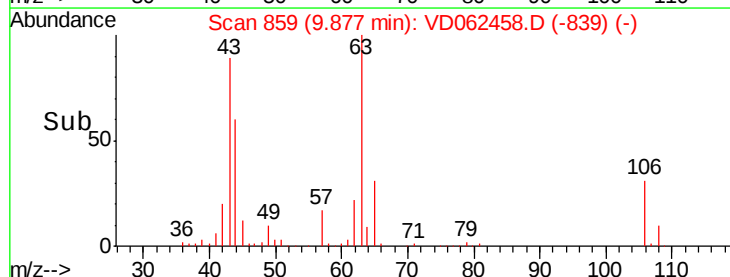
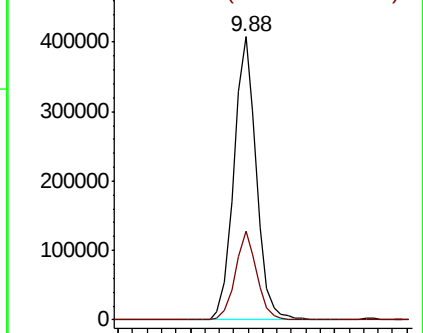
63 100

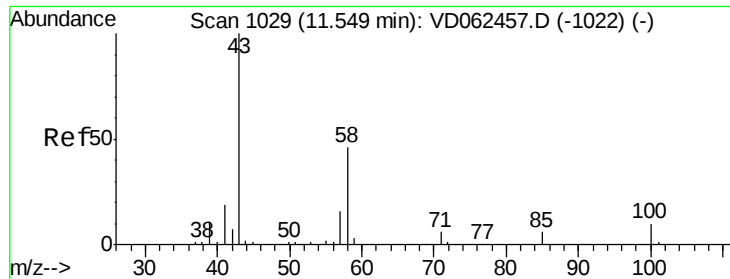
106 31.2 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

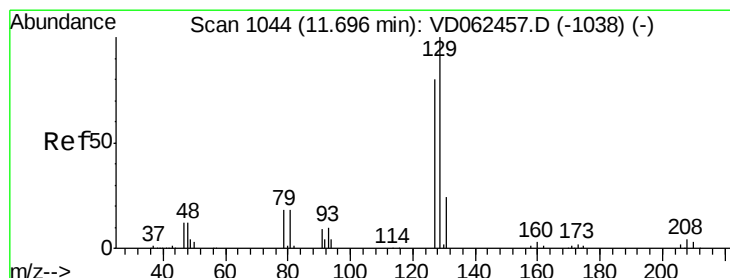
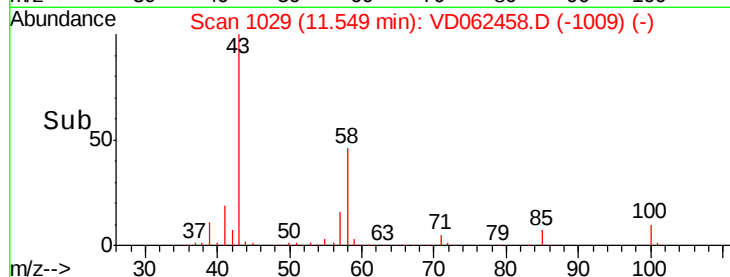
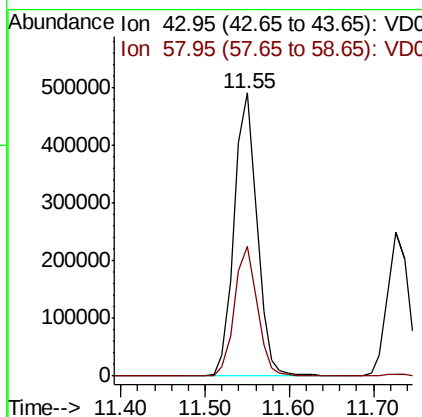
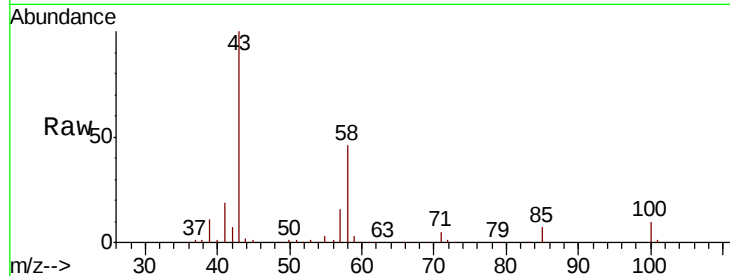




#59
2-Hexanone
Concen: 428.446 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

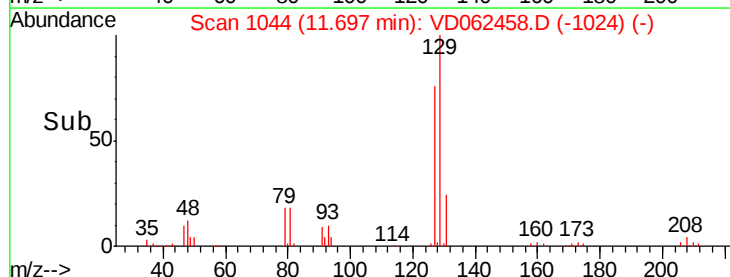
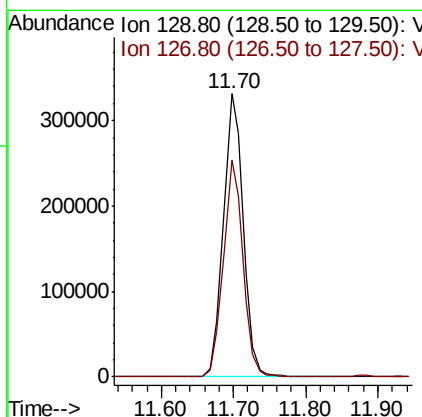
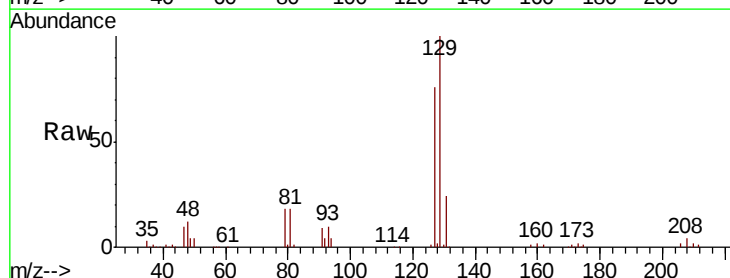
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

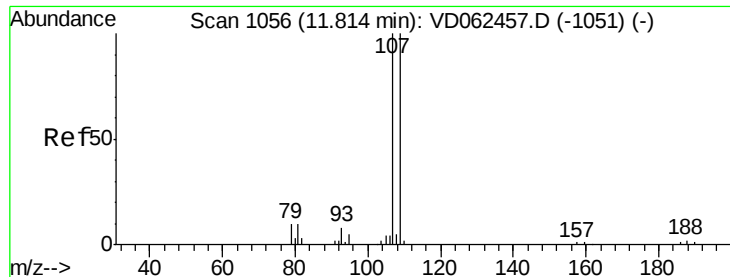
Tgt Ion: 43 Resp: 932696
Ion Ratio Lower Upper
43 100
58 45.7 25.4 76.4



#60
Dibromochloromethane
Concen: 91.885 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

Tgt Ion: 129 Resp: 630649
Ion Ratio Lower Upper
129 100
127 76.4 38.0 113.9

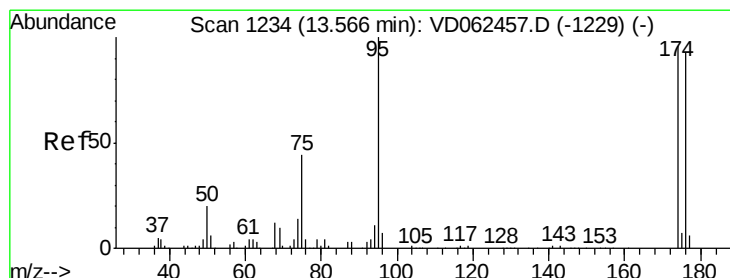
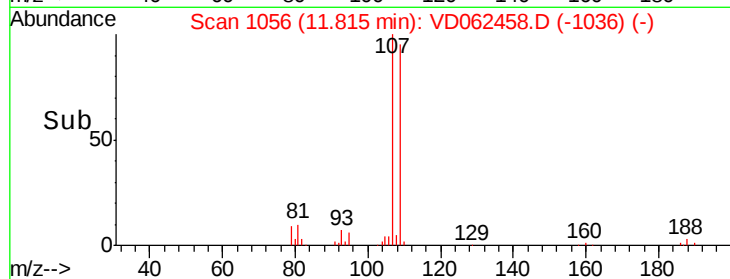
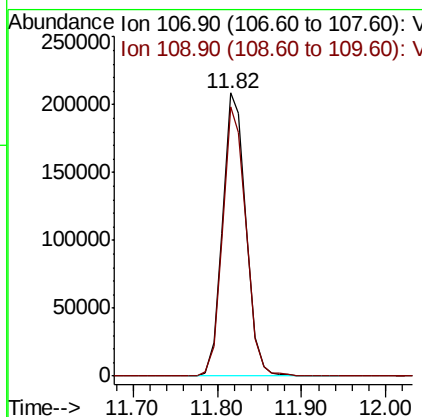
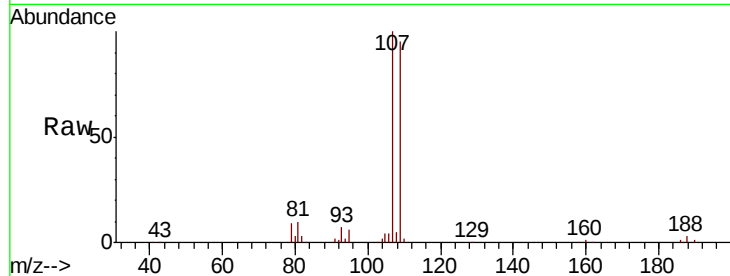




#61
 1,2-Dibromoethane
 Concen: 82.800 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

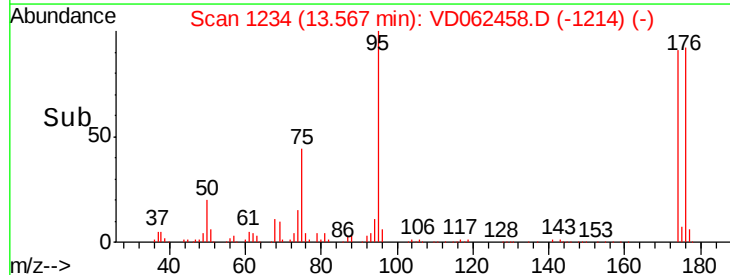
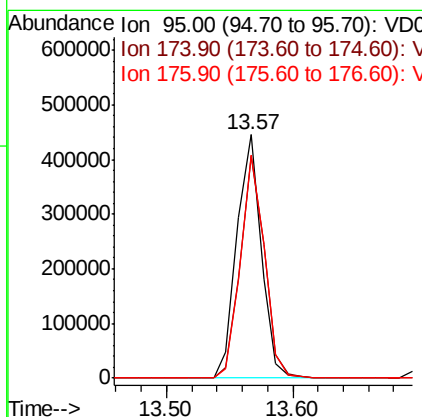
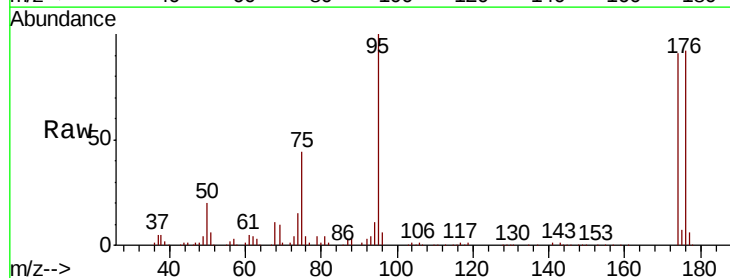
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

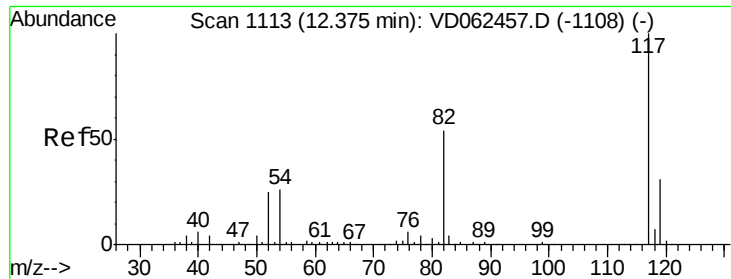
Tgt Ion: 107 Resp: 399787
 Ion Ratio Lower Upper
 107 100
 109 95.4 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 79.450 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

Tgt Ion: 95 Resp: 594698
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 181.8
 176 91.9 0.0 174.4

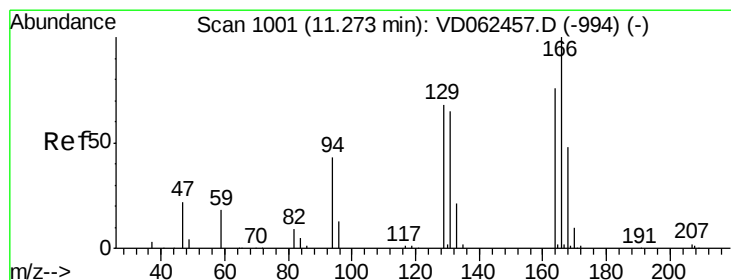
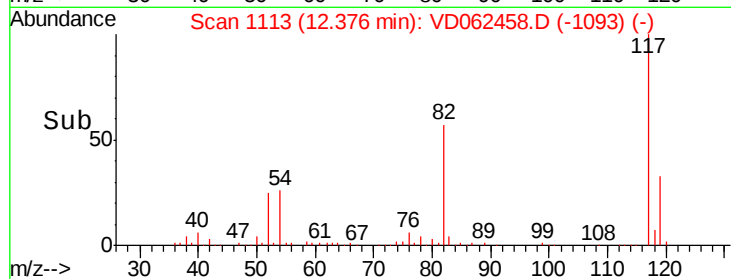
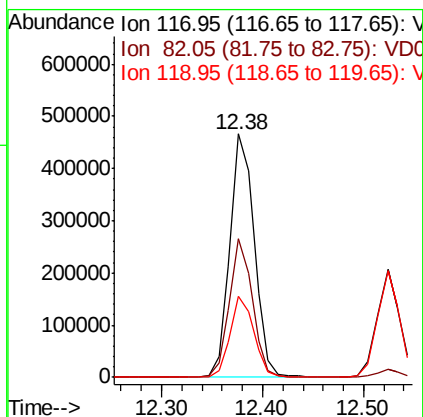
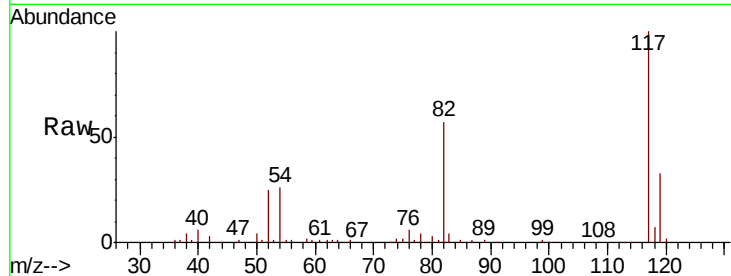




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

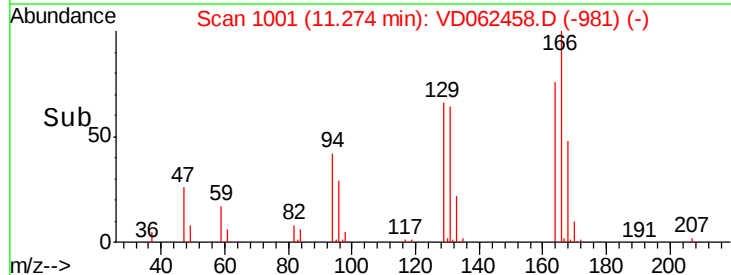
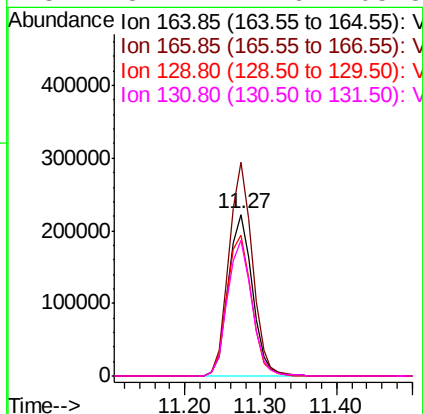
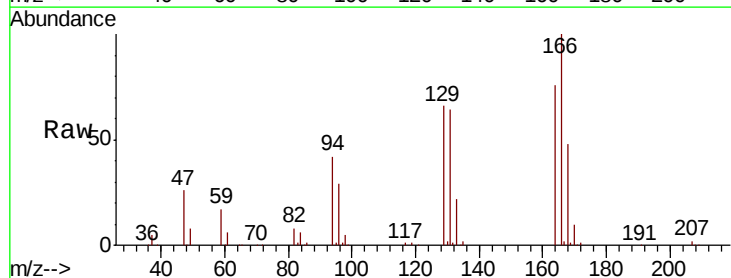
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

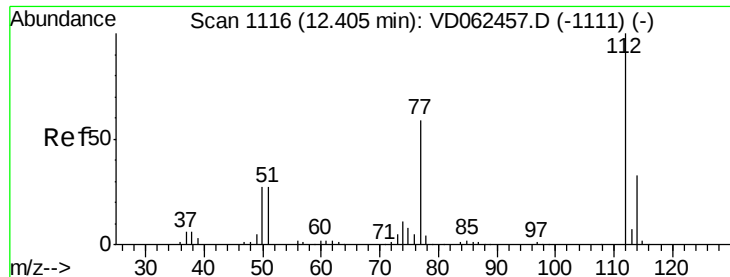
Tgt Ion:117 Resp: 782914
Ion Ratio Lower Upper
117 100
82 56.7 36.2 54.2#
119 33.1 26.2 39.4



#64
Tetrachloroethene
Concen: 79.838 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

Tgt Ion:164 Resp: 488775
Ion Ratio Lower Upper
164 100
166 132.0 101.5 152.3
129 87.0 74.6 112.0
131 84.2 72.6 108.8





#65

Chlorobenzene

Concen: 76.774 ug/l

RT: 12.41 min Scan# 1116

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

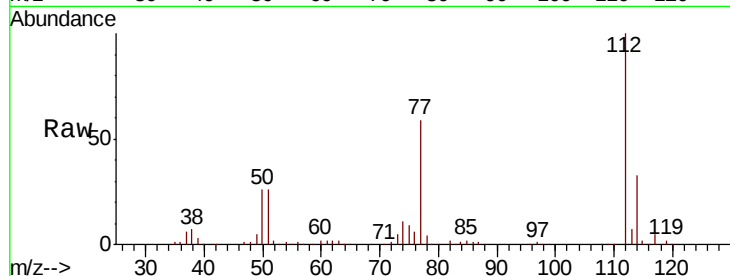
VSTDIC075

Tgt Ion:112 Resp: 1119513

Ion Ratio Lower Upper

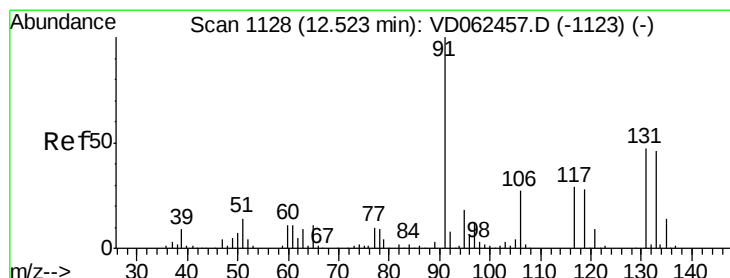
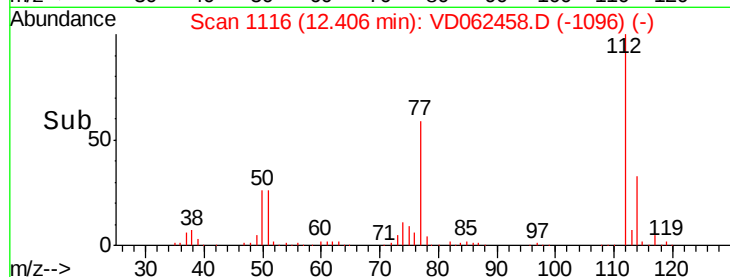
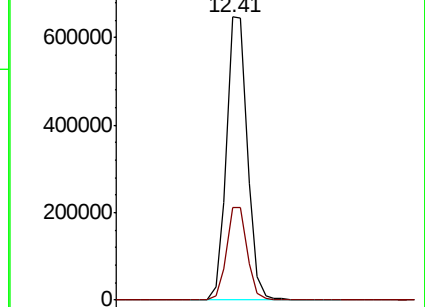
112 100

114 32.7 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 82.646 ug/l

RT: 12.52 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

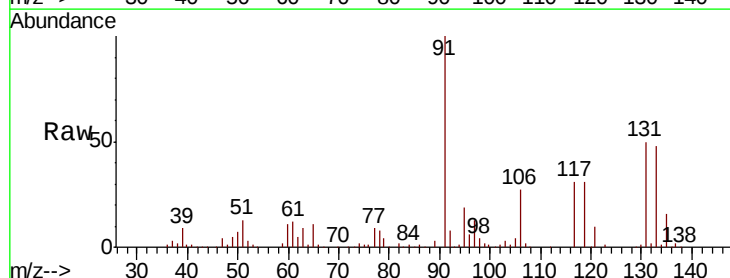
Tgt Ion:131 Resp: 524499

Ion Ratio Lower Upper

131 100

133 95.2 48.6 145.8

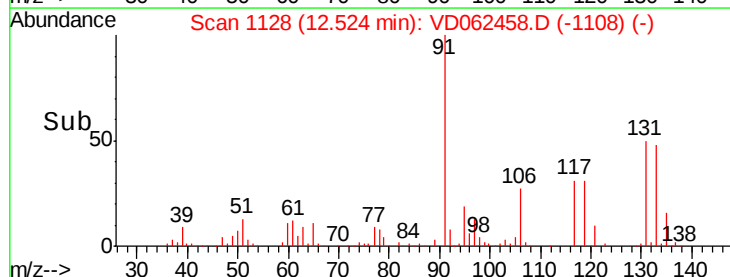
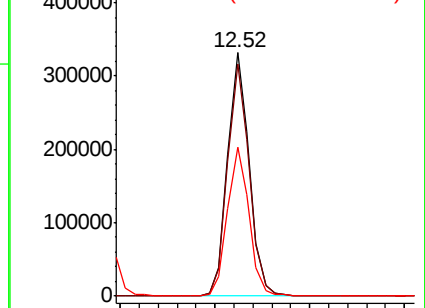
119 61.2 34.7 104.1

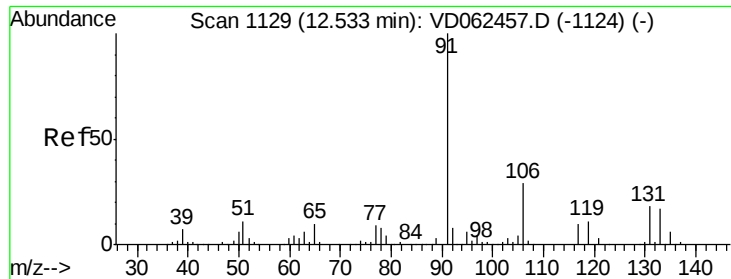


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

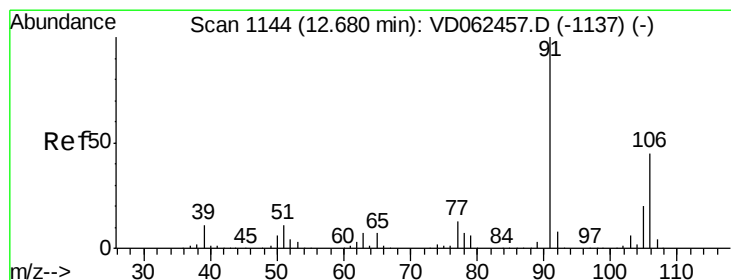
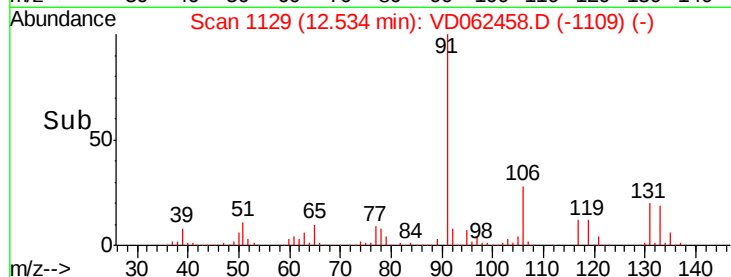
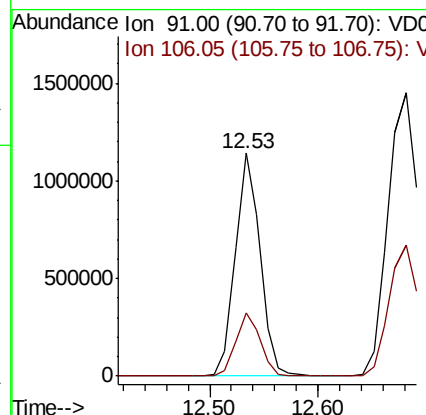
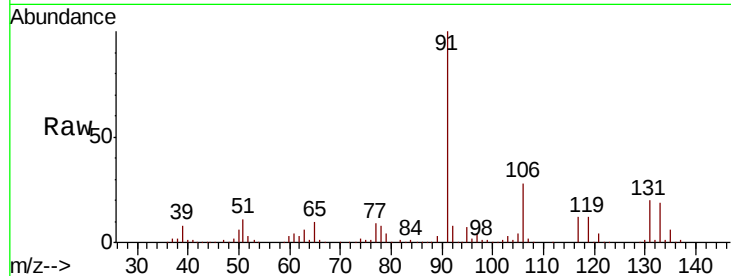




#67
Ethyl Benzene
Concen: 74.450 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

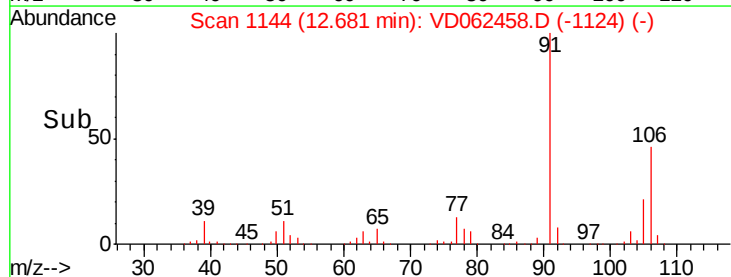
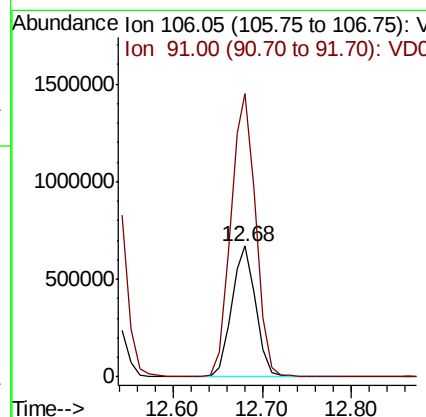
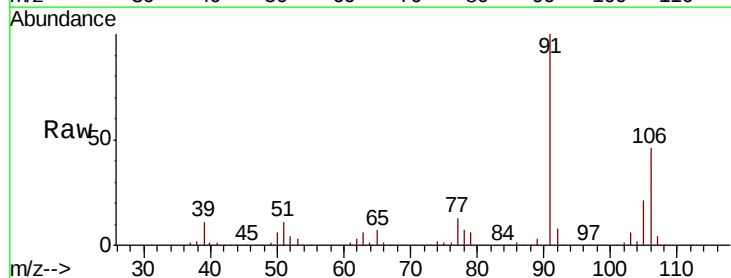
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

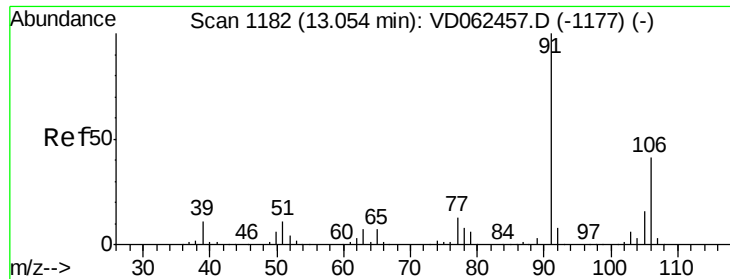
Tgt Ion: 91 Resp: 1817517
Ion Ratio Lower Upper
91 100
106 28.3 24.7 37.1



#68
m/p-Xylenes
Concen: 142.806 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

Tgt Ion: 106 Resp: 1268380
Ion Ratio Lower Upper
106 100
91 216.7 164.0 246.0

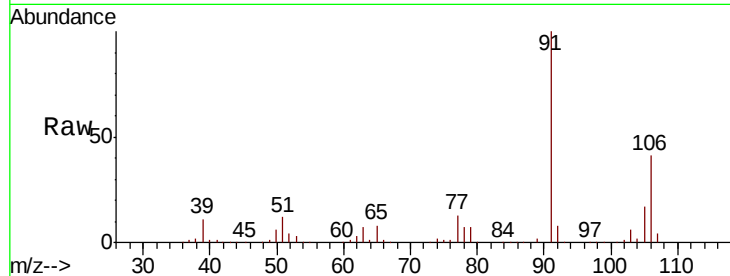




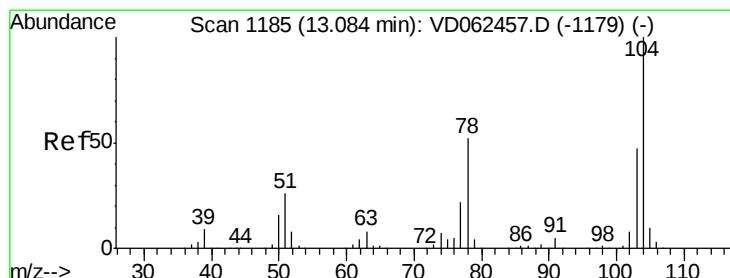
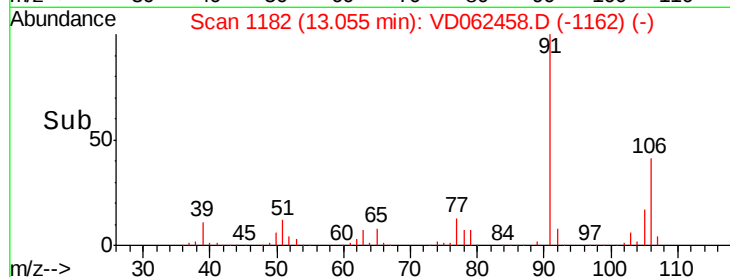
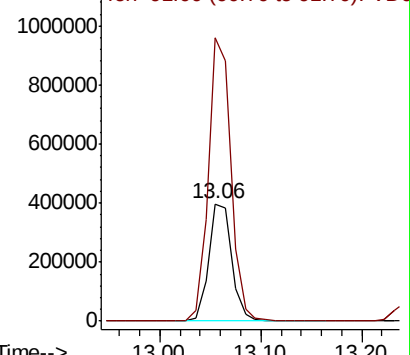
#69
o-Xylene
Concen: 76.826 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:106 Resp: 634378
Ion Ratio Lower Upper
106 100
91 242.0 106.7 319.9

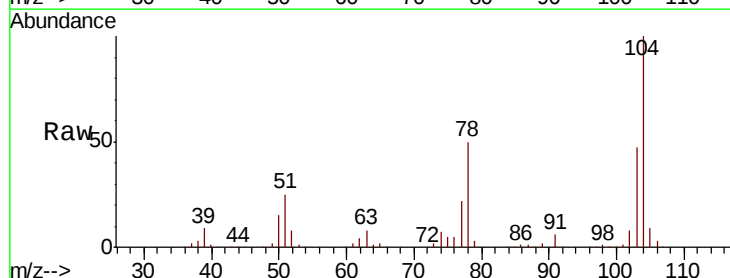


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

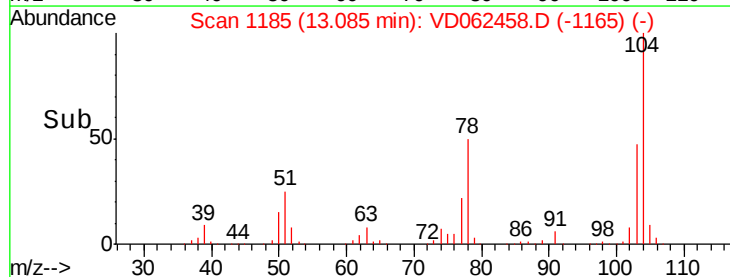
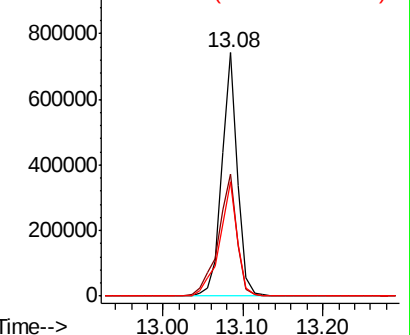


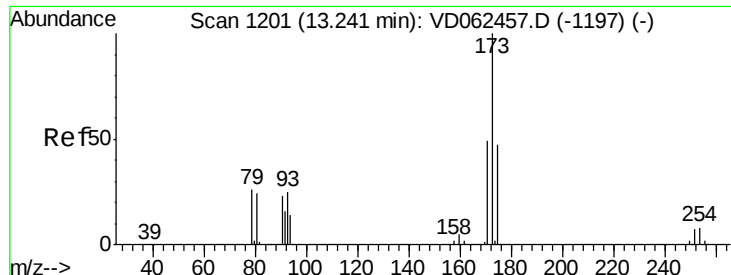
#70
Styrene
Concen: 73.250 ug/l
RT: 13.08 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

Tgt Ion:104 Resp: 1024618
Ion Ratio Lower Upper
104 100
78 50.0 35.4 53.2
103 46.9 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: 84.192 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

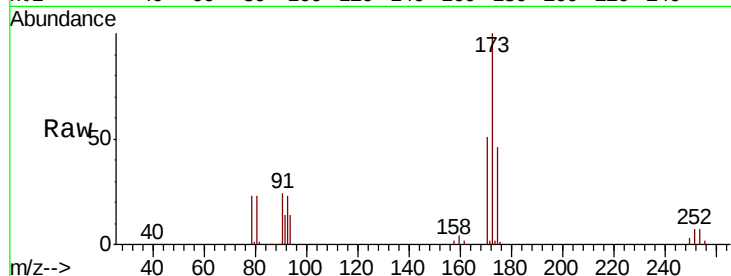
Tgt Ion:173 Resp: 371737

Ion Ratio Lower Upper

173 100

175 45.7 24.4 73.4

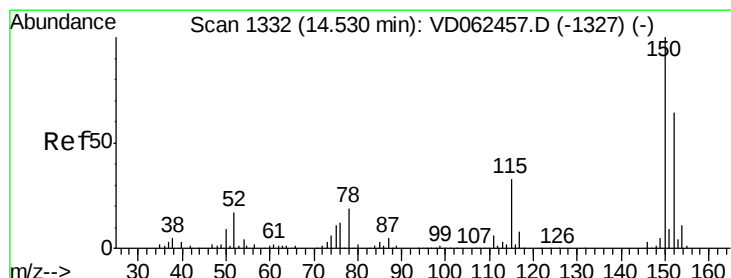
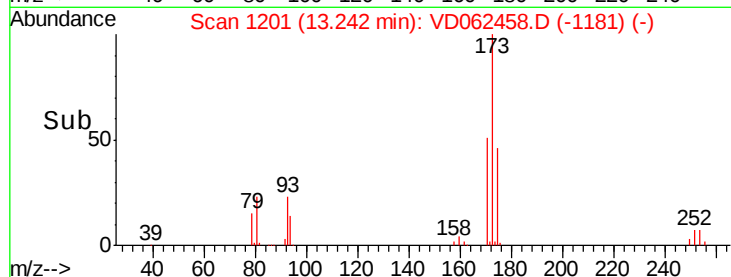
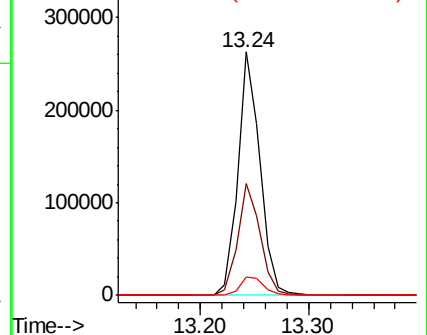
254 7.4 5.4 8.2



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

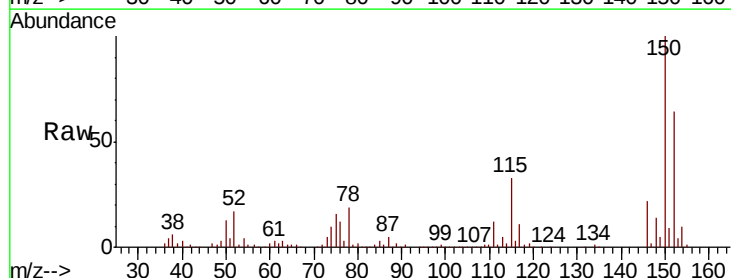
Tgt Ion:152 Resp: 439968

Ion Ratio Lower Upper

152 100

115 51.8 30.9 92.7

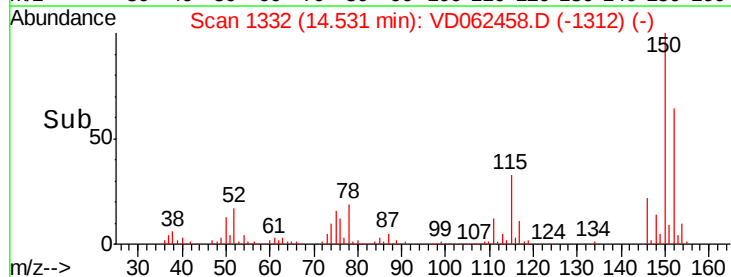
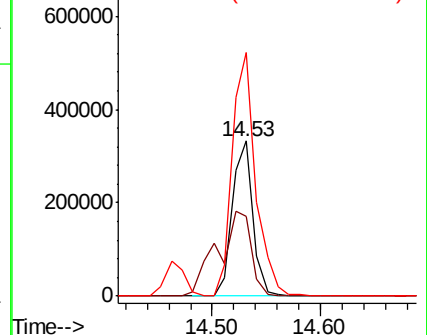
150 157.4 0.0 314.8

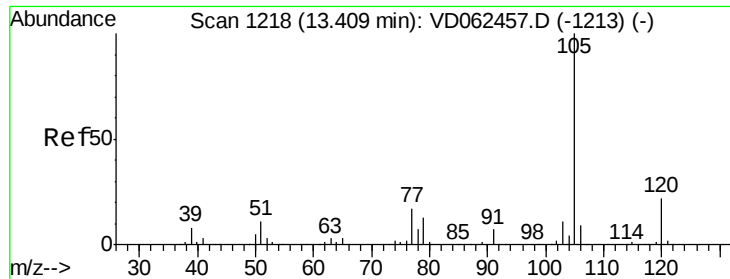


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 69.403 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

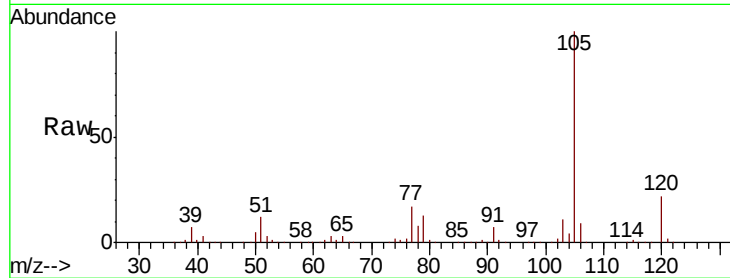
VSTDIC075

Tgt Ion: 105 Resp: 1830379

Ion Ratio Lower Upper

105 100

120 21.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

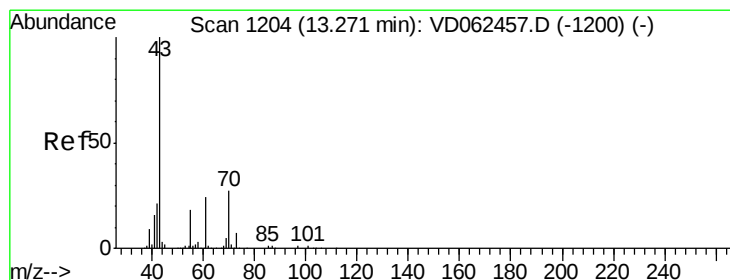
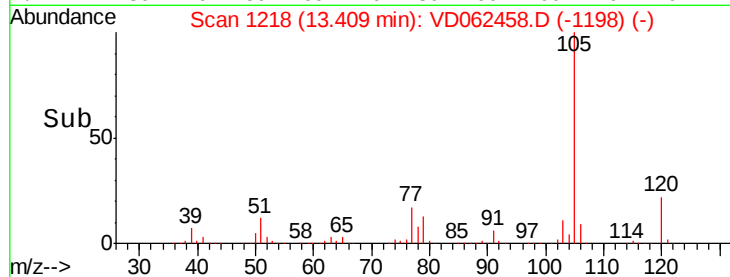
13.41

1000000

500000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 71.595 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Tgt Ion: 43 Resp: 495038

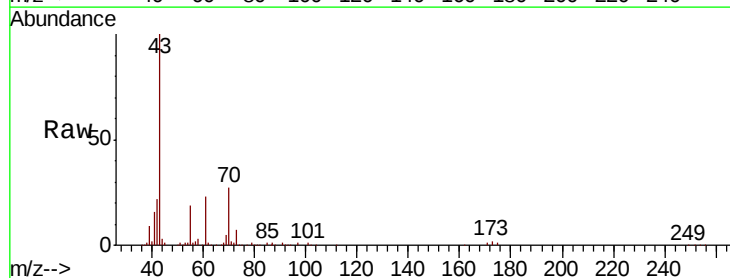
Ion Ratio Lower Upper

43 100

70 27.0 24.2 36.4

55 18.8 16.0 24.0

61 23.0 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

500000

400000

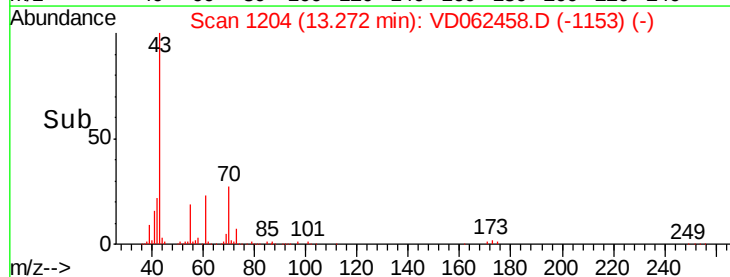
300000

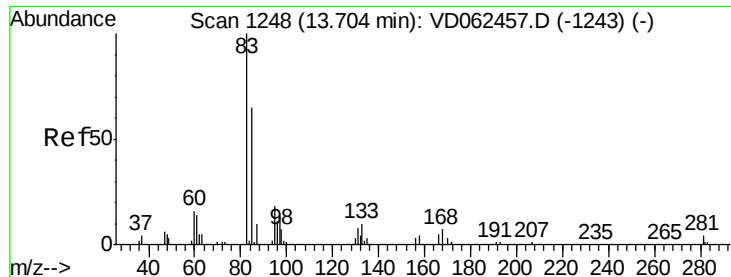
200000

100000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 74.533 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

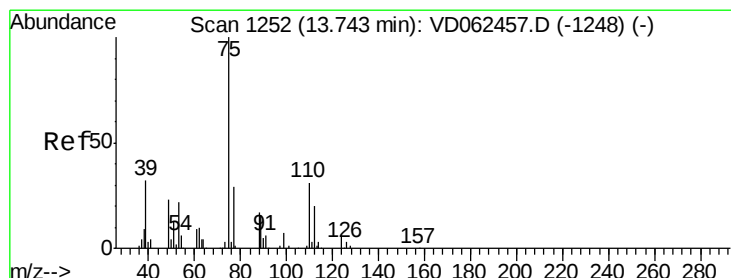
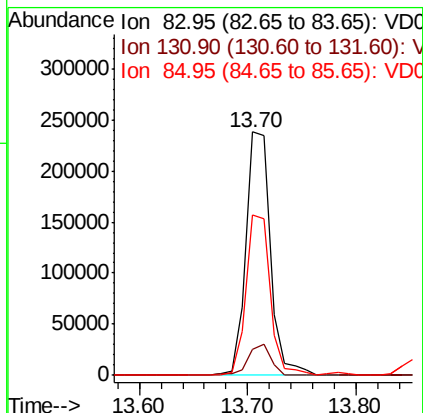
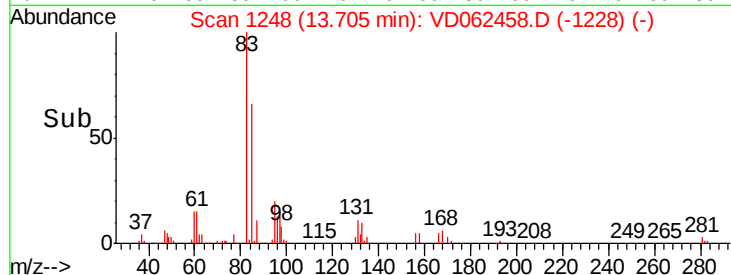
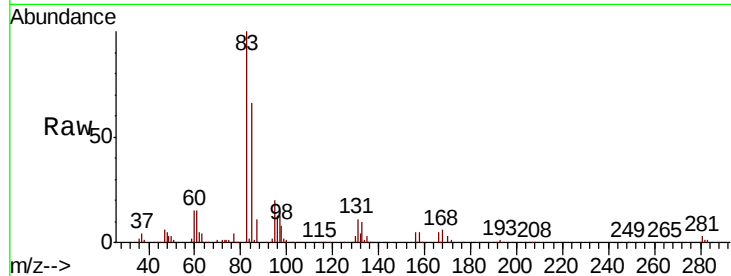
Tgt Ion: 83 Resp: 372125

Ion Ratio Lower Upper

83 100

131 10.8 5.0 14.9

85 65.8 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 73.375 ug/l

RT: 13.74 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VD062458.D

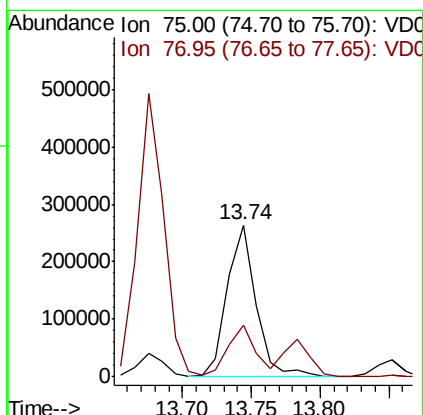
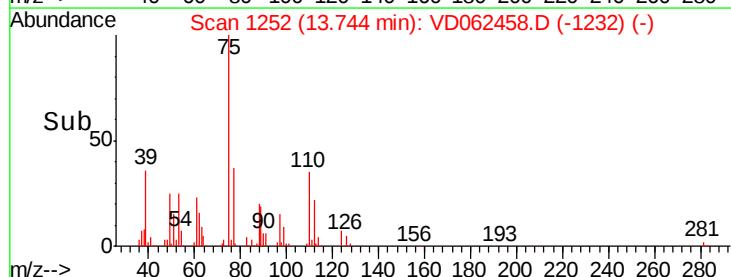
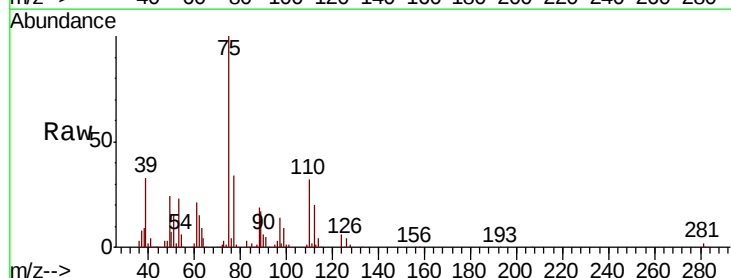
Acq: 20 May 2019 16:10

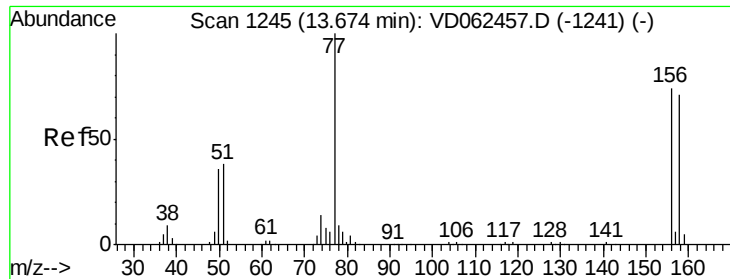
Tgt Ion: 75 Resp: 383654

Ion Ratio Lower Upper

75 100

77 33.6 16.4 49.4





#77

Bromobenzene

Concen: 74.617 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

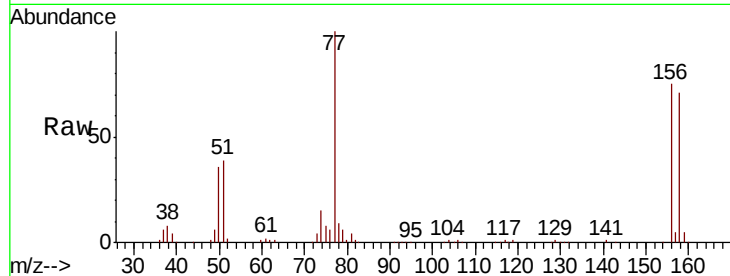
Tgt Ion:156 Resp: 550882

Ion Ratio Lower Upper

156 100

77 132.7 53.1 159.4

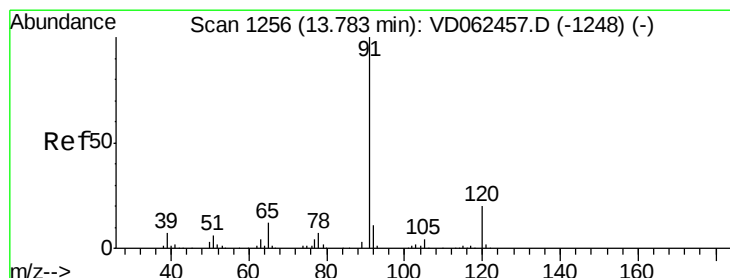
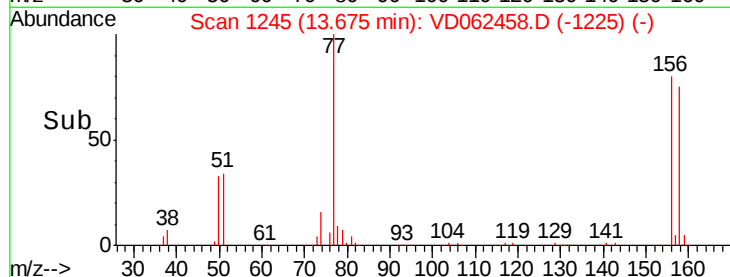
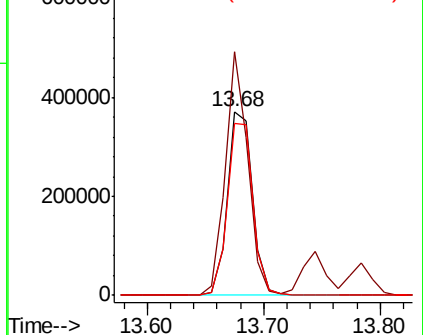
158 93.7 49.4 148.0



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: 65.528 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VD062458.D

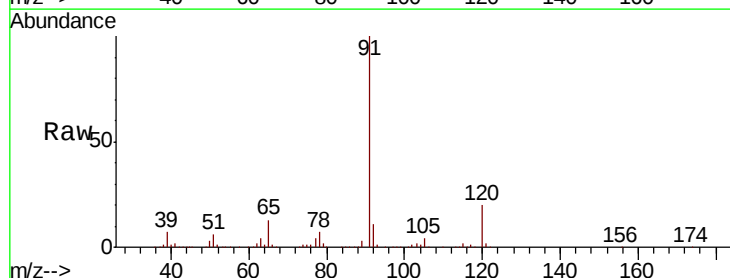
Acq: 20 May 2019 16:10

Tgt Ion: 91 Resp: 2061519

Ion Ratio Lower Upper

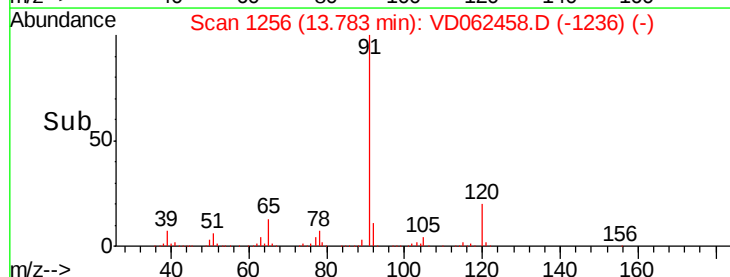
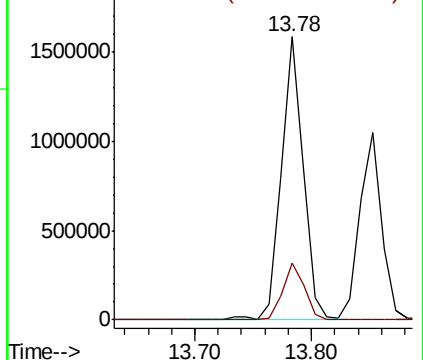
91 100

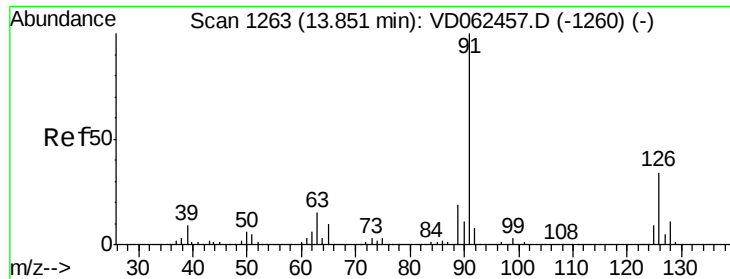
120 20.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 75.456 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

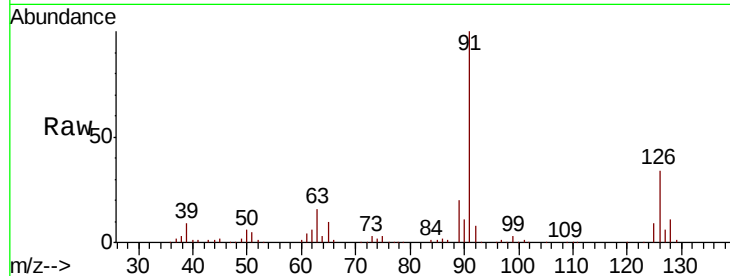
VSTDIC075

Tgt Ion: 91 Resp: 1359553

Ion Ratio Lower Upper

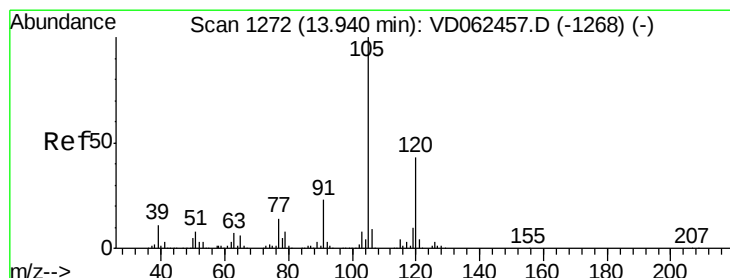
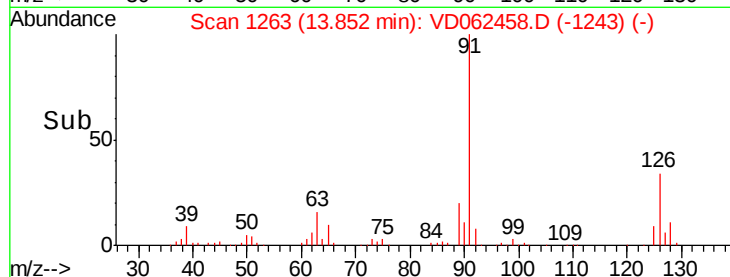
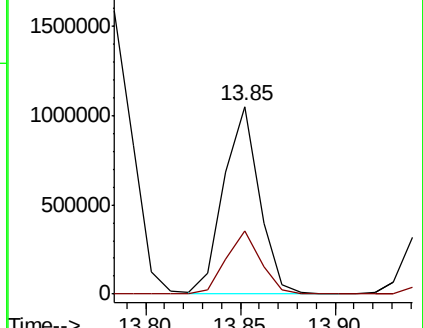
91 100

126 33.9 18.6 55.8



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

Ion 125.95 (125.65 to 126.65): VD062457.D (-1260) (-)



#80

1,3,5-Trimethylbenzene

Concen: 75.498 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062458.D

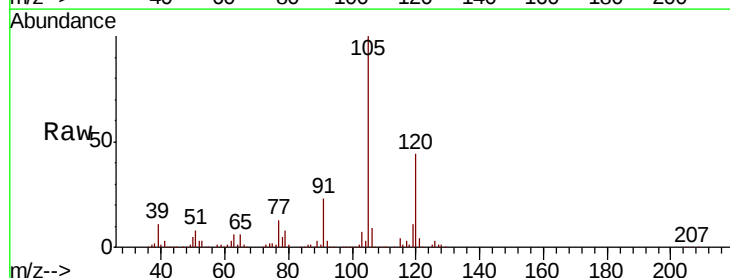
Acq: 20 May 2019 16:10

Tgt Ion: 105 Resp: 1676689

Ion Ratio Lower Upper

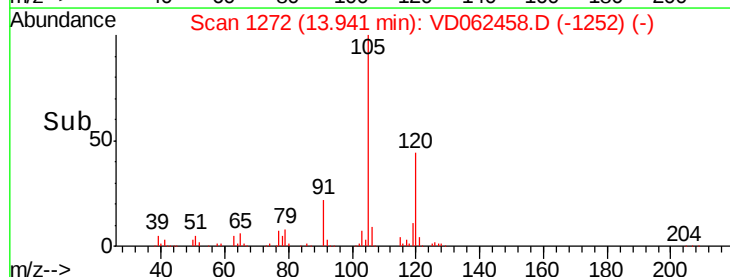
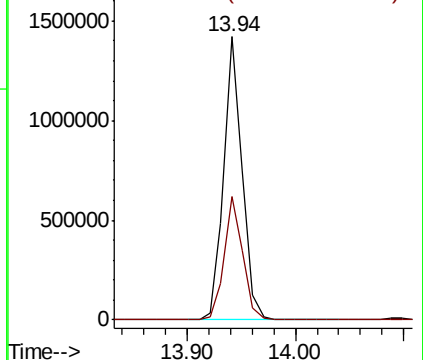
105 100

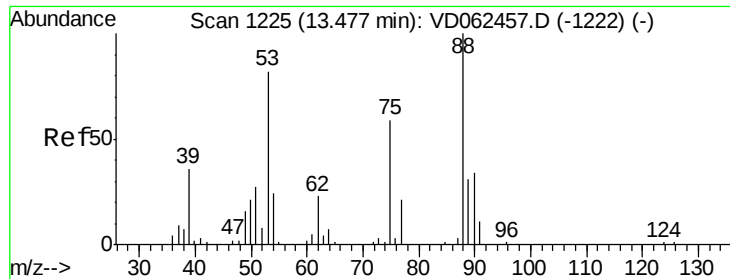
120 43.6 24.0 72.0



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

Ion 120.05 (119.75 to 120.75): VD062457.D (-1268) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 74.209 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

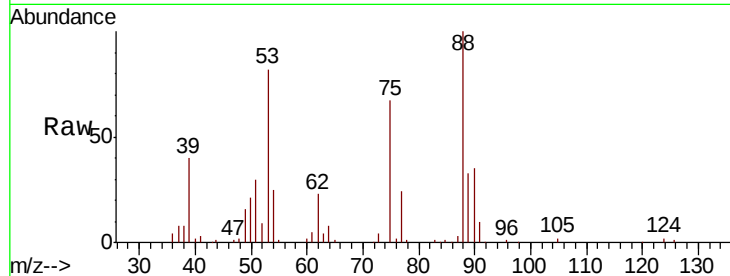
Tgt Ion: 75 Resp: 109538

Ion Ratio Lower Upper

75 100

53 123.7 65.8 98.8#

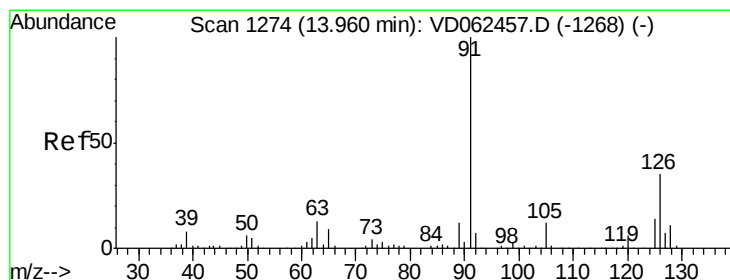
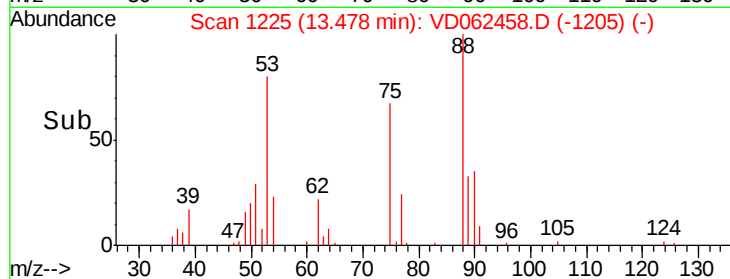
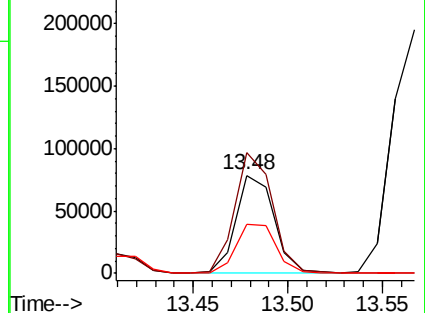
89 49.9 35.0 52.6



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: 72.640 ug/l

RT: 13.96 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VD062458.D

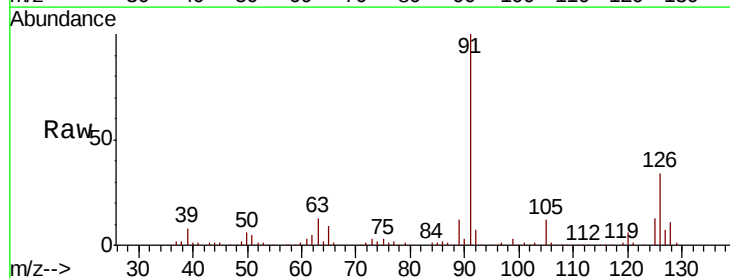
Acq: 20 May 2019 16:10

Tgt Ion: 91 Resp: 1540156

Ion Ratio Lower Upper

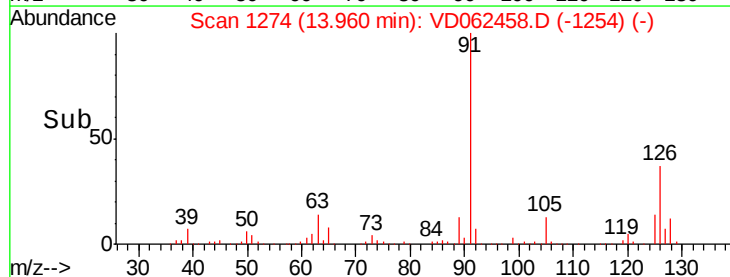
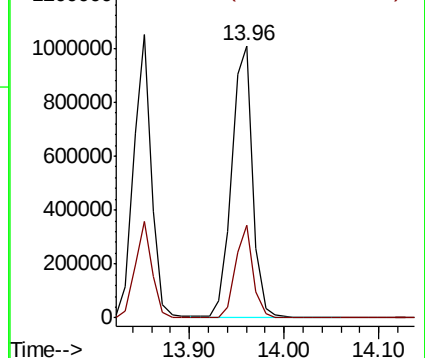
91 100

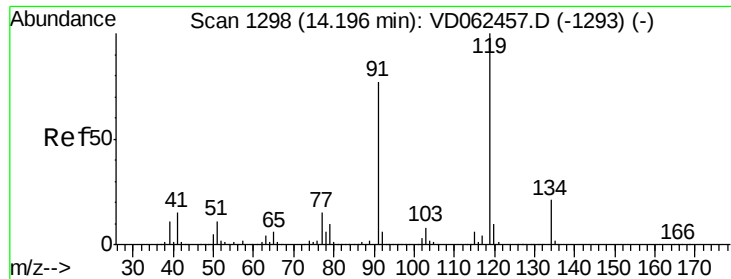
126 33.9 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

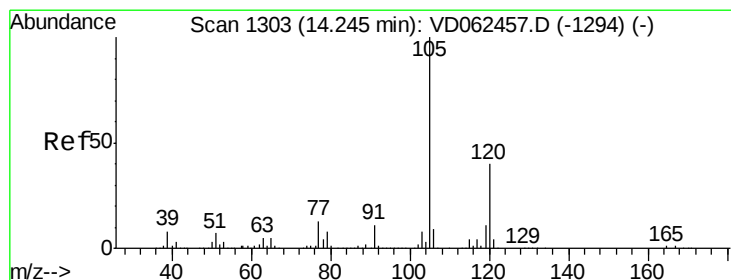
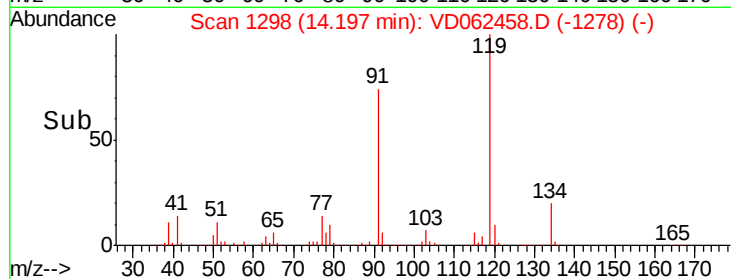
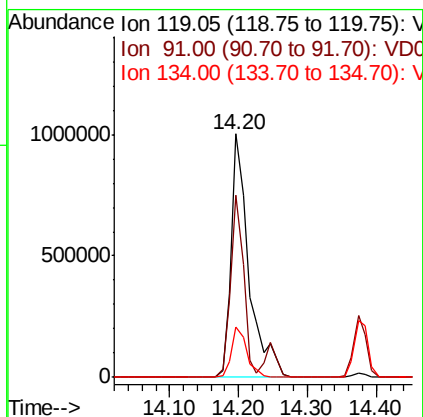
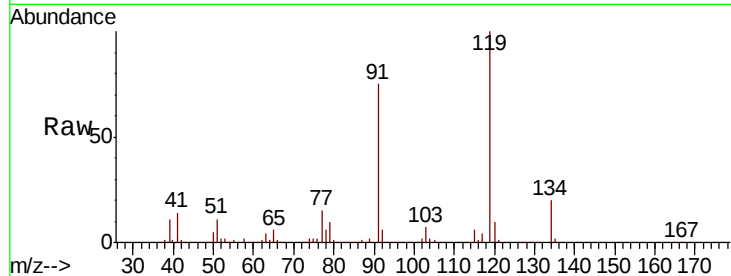




#83
 tert-Butylbenzene
 Concen: 71.497 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

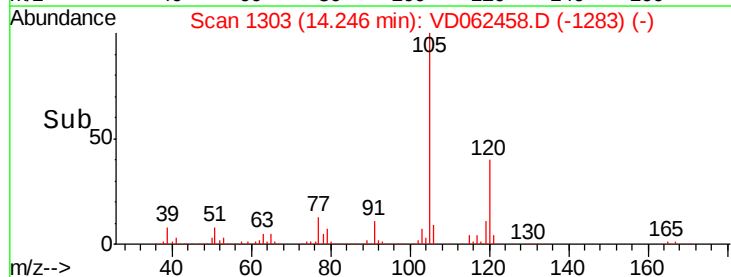
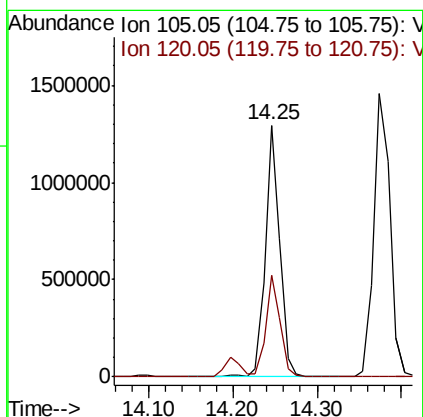
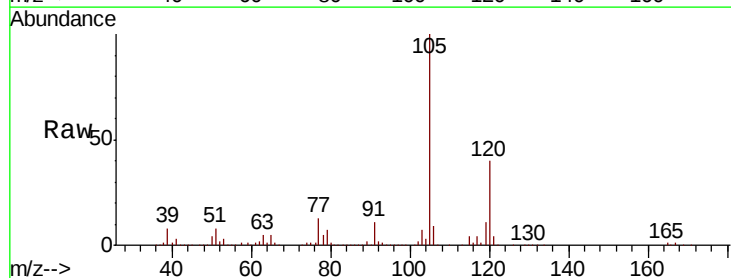
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

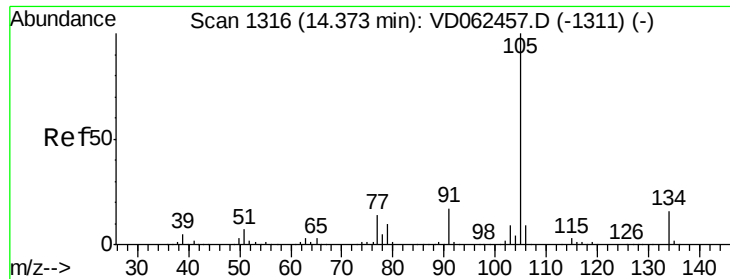
Tgt Ion:119 Resp: 1784698
 Ion Ratio Lower Upper
 119 100
 91 74.6 34.2 102.6
 134 20.4 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 70.571 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

Tgt Ion:105 Resp: 1572734
 Ion Ratio Lower Upper
 105 100
 120 40.3 23.1 69.2

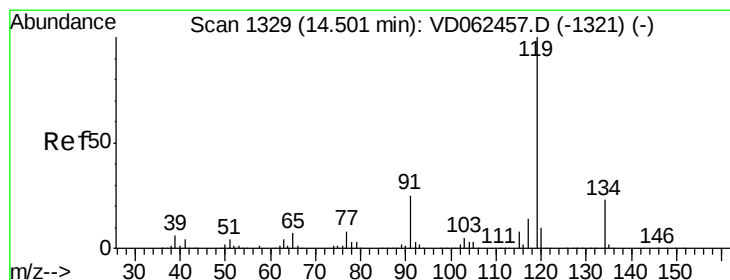
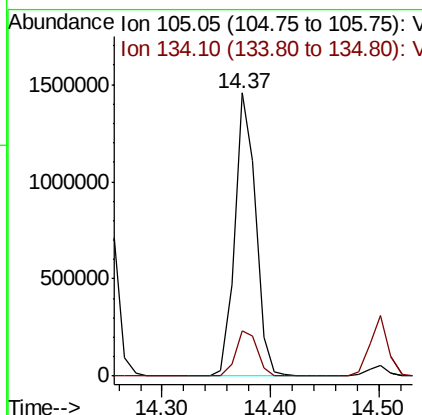
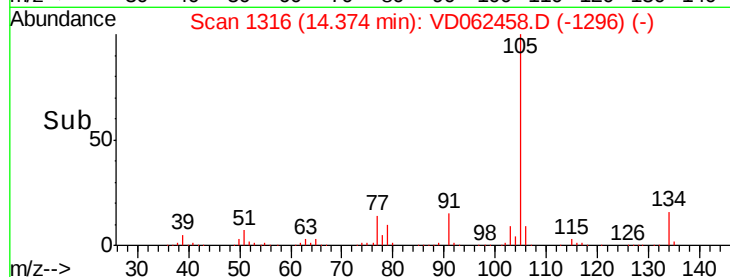
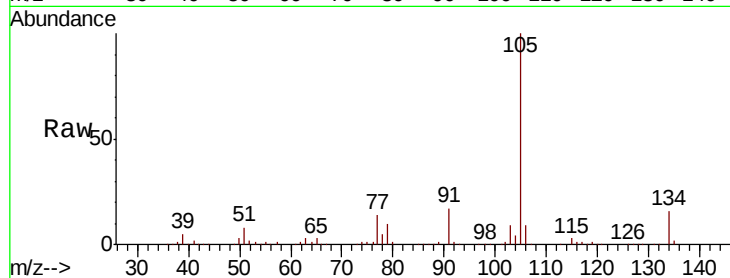




#85
 sec-Butylbenzene
 Concen: 71.041 ug/l
 RT: 14.37 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

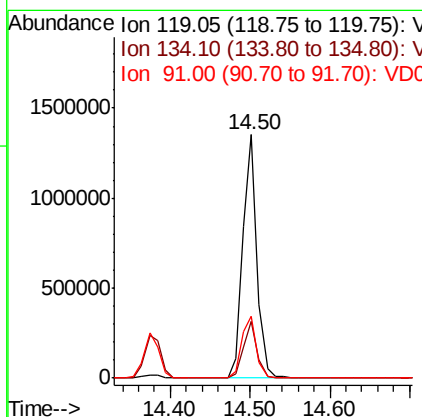
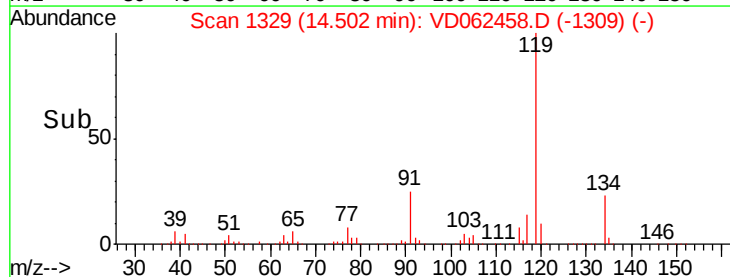
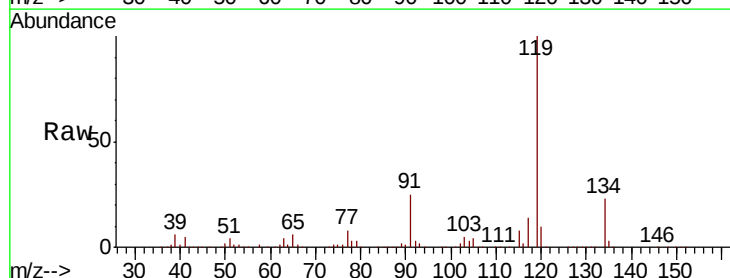
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

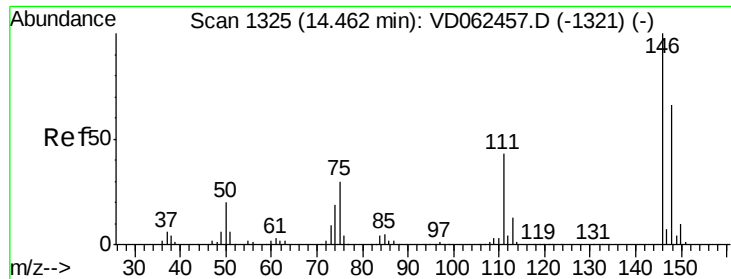
Tgt Ion:105 Resp: 1944288
 Ion Ratio Lower Upper
 105 100
 134 16.2 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 67.397 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

Tgt Ion:119 Resp: 1648004
 Ion Ratio Lower Upper
 119 100
 134 23.1 12.8 38.3
 91 25.3 10.7 32.1

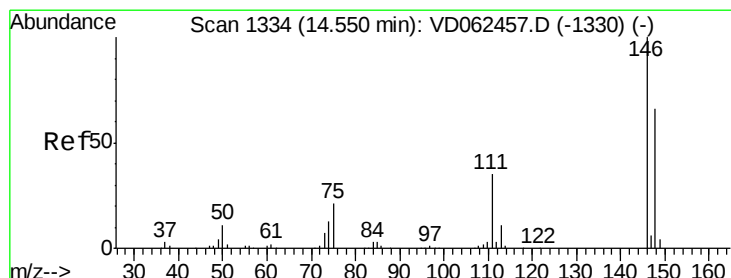
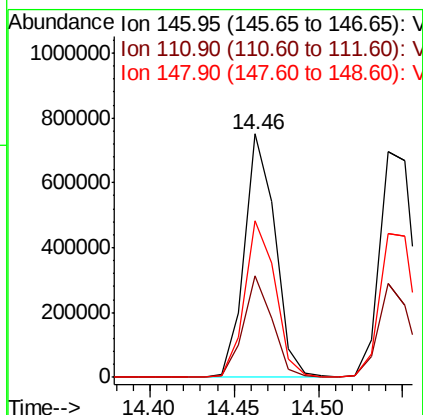
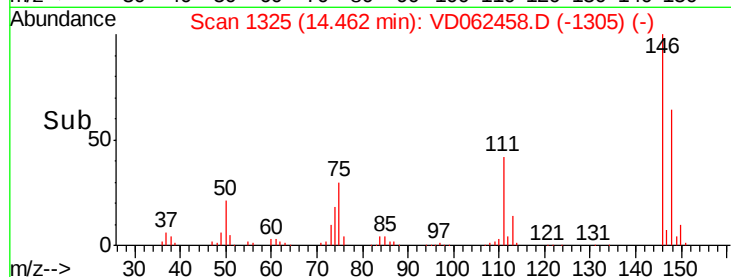
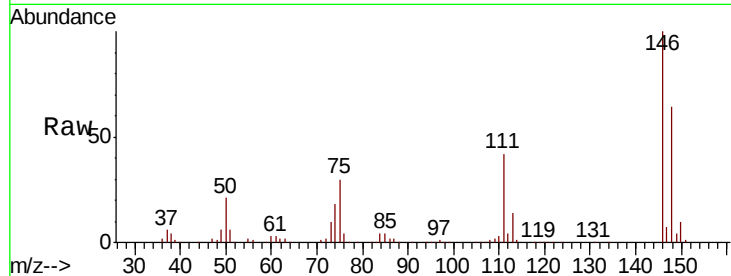




#87
 1,3-Dichlorobenzene
 Concen: 70.563 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

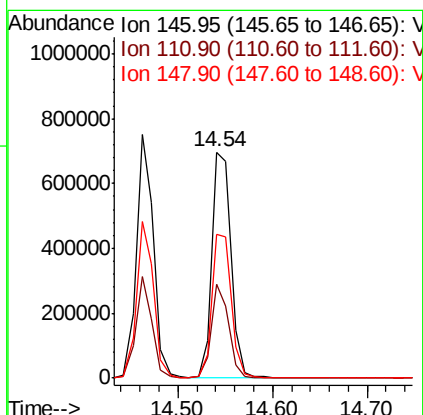
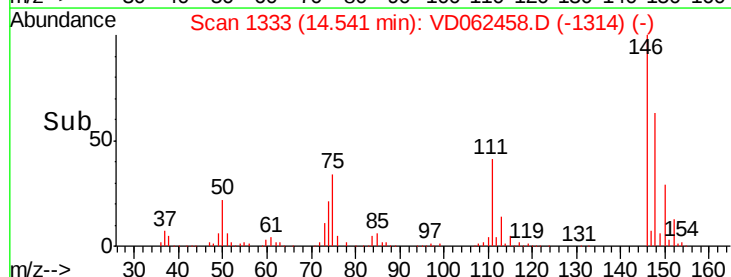
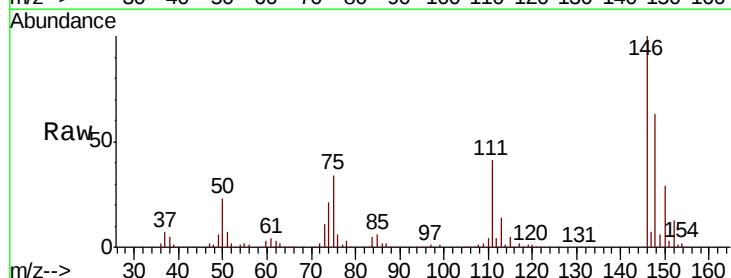
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

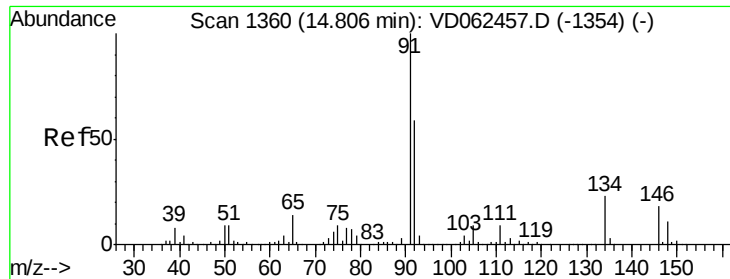
Tgt Ion:146 Resp: 951654
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.0 60.0
 148 64.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 74.139 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

Tgt Ion:146 Resp: 982456
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.2 60.5
 148 63.4 32.0 96.2





#89

n-Butylbenzene

Concen: 70.800 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VD062458.D

Acq: 20 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

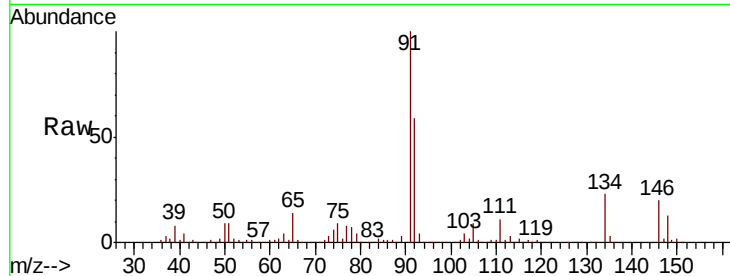
Tgt Ion: 91 Resp: 1553885

Ion Ratio Lower Upper

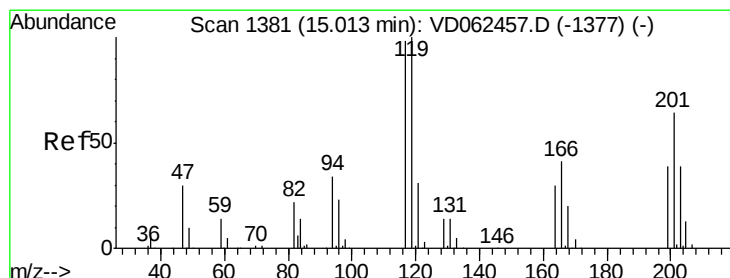
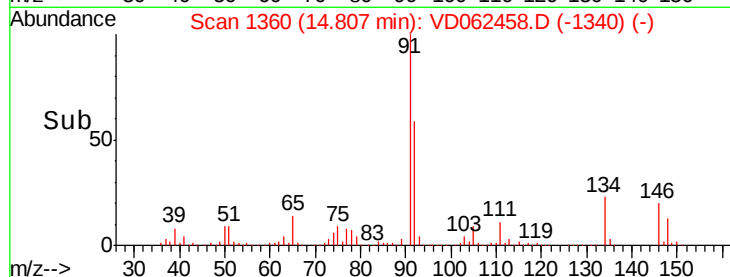
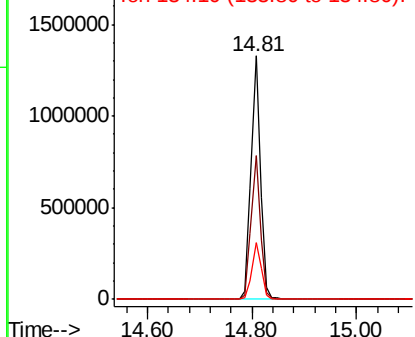
91 100

92 58.8 30.3 91.0

134 23.4 14.5 43.6



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



#90

Hexachloroethane

Concen: 76.882 ug/l

RT: 15.01 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VD062458.D

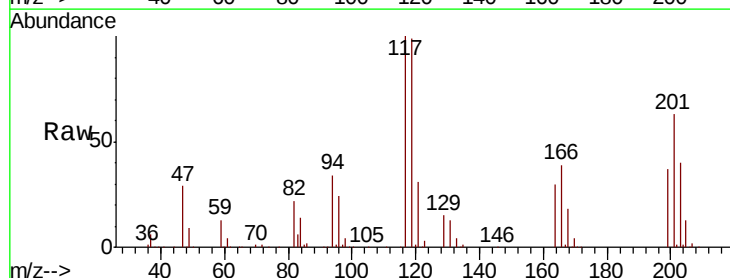
Acq: 20 May 2019 16:10

Tgt Ion: 117 Resp: 511237

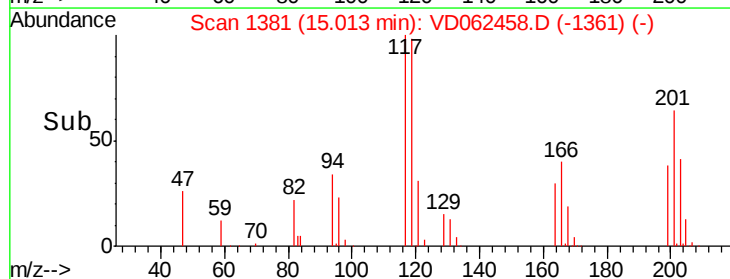
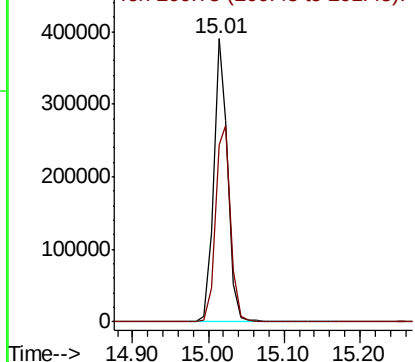
Ion Ratio Lower Upper

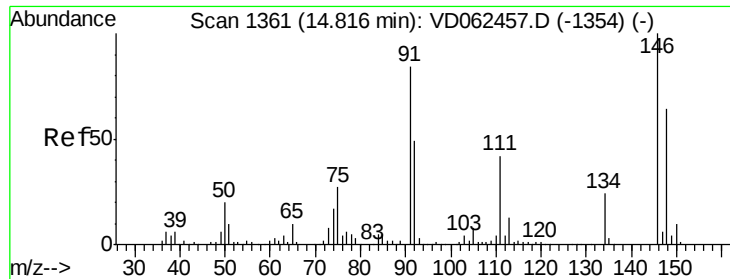
117 100

201 62.8 30.2 90.6



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

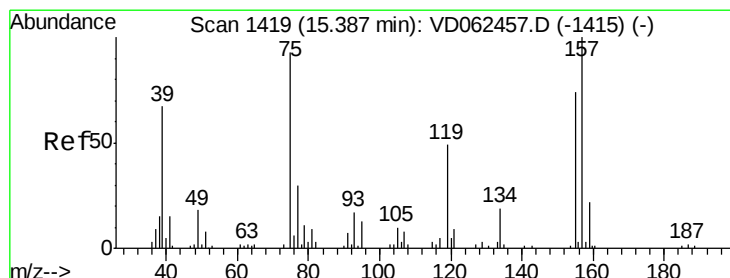
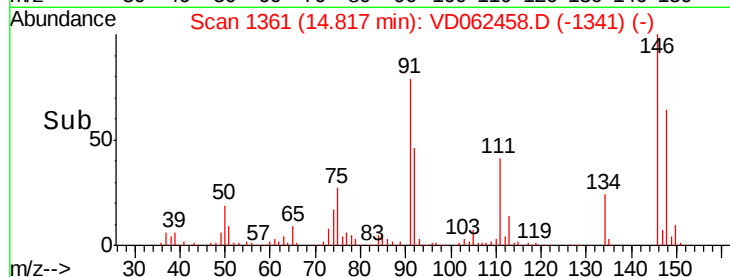
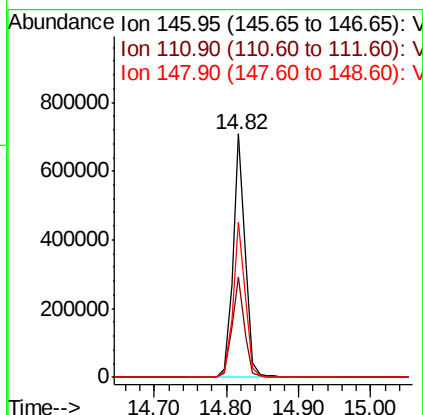
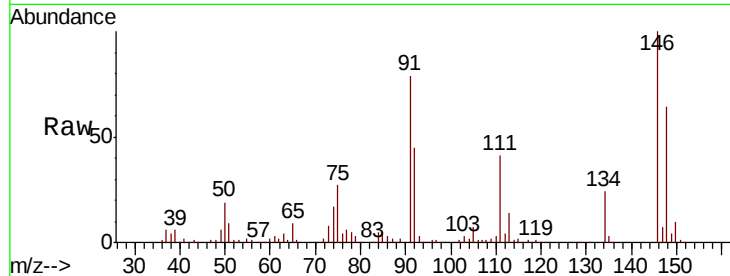




#91
 1,2-Dichlorobenzene
 Concen: 73.886 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

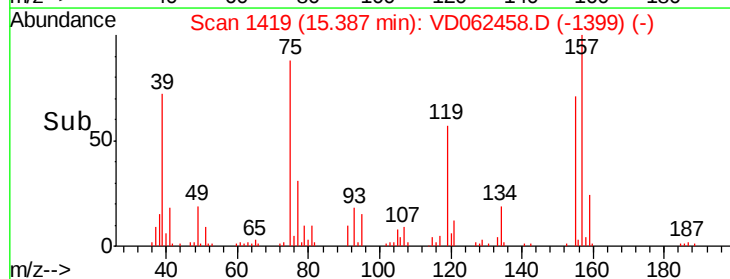
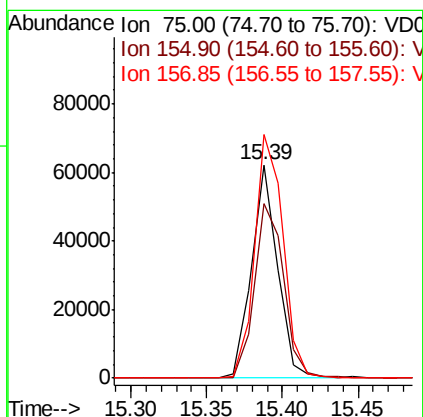
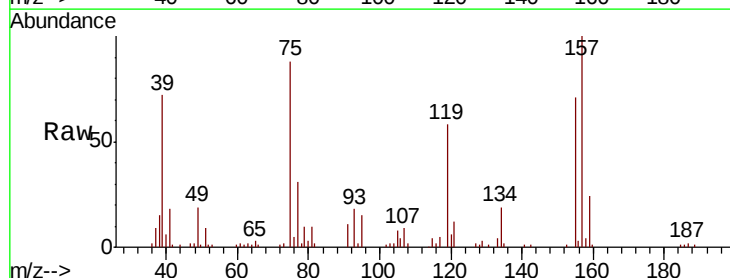
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

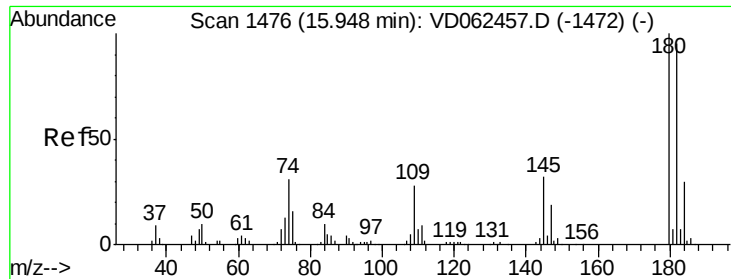
Tgt Ion: 146 Resp: 820650
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.0 59.9
 148 64.0 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 91.369 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

Tgt Ion: 75 Resp: 74883
 Ion Ratio Lower Upper
 75 100
 155 81.6 55.3 165.8
 157 114.2 67.8 203.2

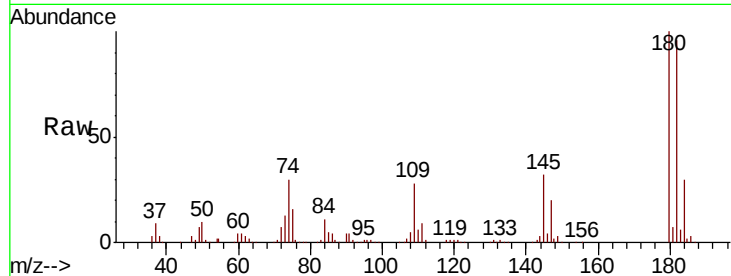




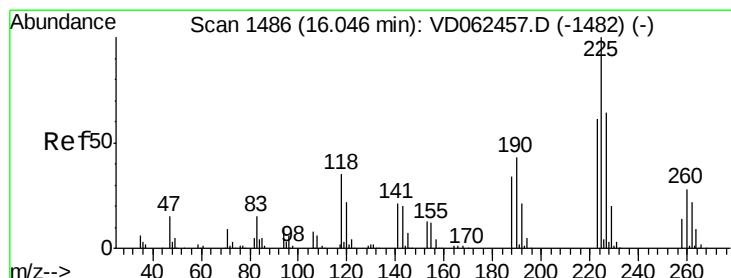
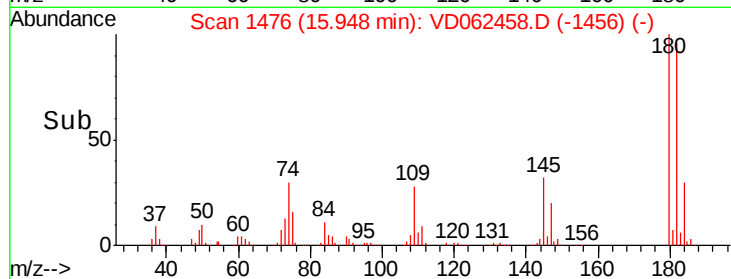
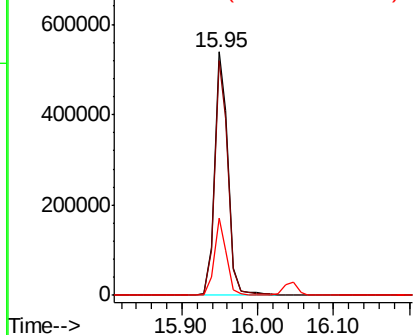
#93
 1,2,4-Trichlorobenzene
 Concen: 84.467 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion	Resp	Lower	Upper
180	682865		
182	96.2	49.3	147.8
145	31.9	16.2	48.6

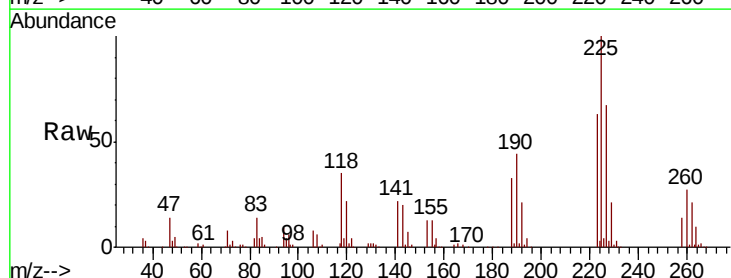


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

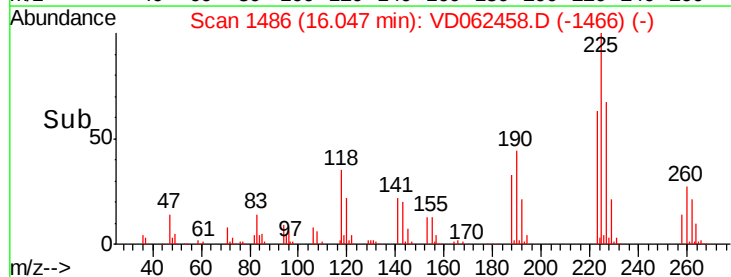
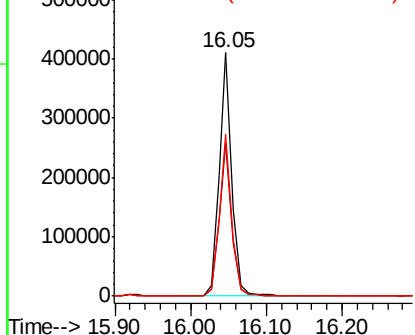


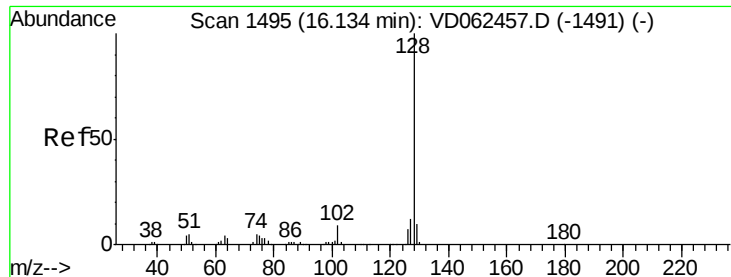
#94
 Hexachlorobutadiene
 Concen: 80.133 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD062458.D
 Acq: 20 May 2019 16:10

Tgt Ion	Resp	Lower	Upper
225	481834		
223	62.9	30.6	92.0
227	66.6	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

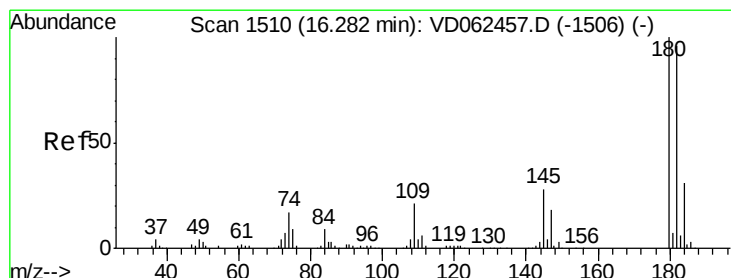
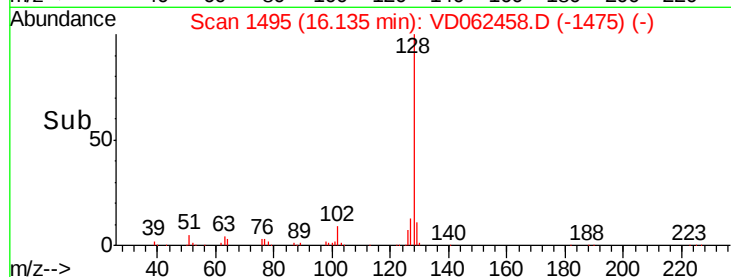
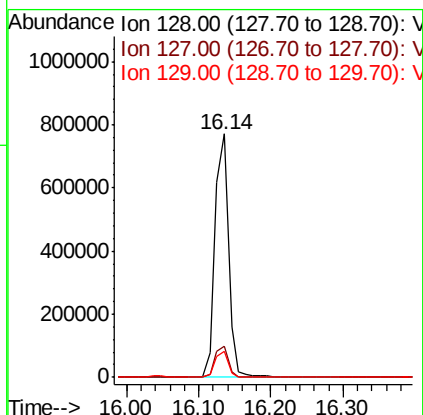
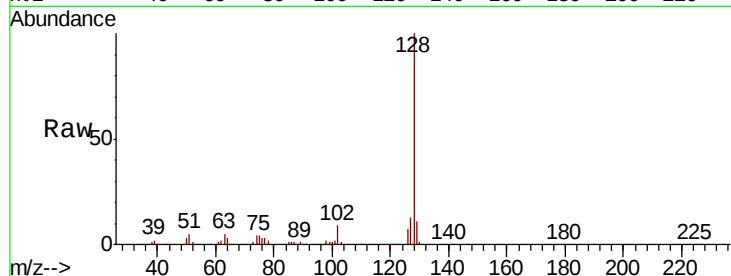




#95
Naphthalene
Concen: 88.019 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:128 Resp: 993441
Ion Ratio Lower Upper
128 100
127 12.9 9.8 14.8
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 114.916 ug/l
RT: 16.28 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VD062458.D
Acq: 20 May 2019 16:10

Tgt Ion:180 Resp: 584116
Ion Ratio Lower Upper
180 100
182 94.8 47.0 141.0
145 27.2 17.0 51.0

