

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080919\
 Data File : VD063472.D
 Acq On : 9 Aug 2019 14:29
 Operator : JC/SY
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 10 06:23:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:19:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1097668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1544218	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1290181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	682588	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	222203	18.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.82%	
35) Dibromofluoromethane	6.94	113	256886	19.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.50%	
50) Toluene-d8	10.42	98	524296	18.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.68%	
62) 4-Bromofluorobenzene	13.56	95	250535	19.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	308956	23.228	ug/l	98
3) Chloromethane	1.75	50	229151	22.050	ug/l	100
4) Vinyl Chloride	1.85	62	225421	21.853	ug/l	99
5) Bromomethane	2.15	94	96725	19.977	ug/l	98
6) Chloroethane	2.26	64	99634	21.120	ug/l	99
7) Trichlorofluoromethane	2.53	101	439656	21.728	ug/l	98
8) Diethyl Ether	2.88	74	64410	22.545	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	259931	21.755	ug/l	97
10) Methyl Iodide	3.31	142	353438	20.910	ug/l	98
11) Tert butyl alcohol	4.09	59	54964	107.448	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	189814	21.383	ug/l	97
13) Acrolein	3.04	56	56927	113.046	ug/l	94
14) Allyl chloride	3.62	41	284337	21.321	ug/l	97
15) Acrylonitrile	4.21	53	143968	106.256	ug/l	87
16) Acetone	3.24	43	231640	96.396	ug/l	98
17) Carbon Disulfide	3.38	76	611825	21.830	ug/l	98
18) Methyl Acetate	3.65	43	99558	22.001	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	379571	21.367	ug/l	95
20) Methylene Chloride	3.83	84	208087	20.142	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	197668	21.147	ug/l	93
22) Diisopropyl ether	5.14	45	574362	20.855	ug/l	95
23) Vinyl Acetate	5.07	43	1754356	109.658	ug/l	100
24) 1,1-Dichloroethane	4.99	63	372410	21.790	ug/l	98
25) 2-Butanone	6.09	43	246916	104.672	ug/l	92
26) 2,2-Dichloropropane	6.03	77	378654	22.244	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	223096	21.814	ug/l	90
28) Bromochloromethane	6.45	49	142324	20.547	ug/l	95
29) Tetrahydrofuran	6.48	42	113990	103.691	ug/l	95
30) Chloroform	6.67	83	468528	22.054	ug/l	95
31) Cyclohexane	6.97	56	223824	21.095	ug/l	91
32) 1,1,1-Trichloroethane	6.88	97	445867	21.941	ug/l	96
36) 1,1-Dichloropropene	7.16	75	287966	21.095	ug/l	97
37) Ethyl Acetate	6.19	43	118281	20.728	ug/l #	95
38) Carbon Tetrachloride	7.13	117	421640	20.494	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:19:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	236026	20.333	ug/l	95
40) Benzene	7.46	78	655555	21.822	ug/l	91
41) Methacrylonitrile	6.46	41	161527	22.427	ug/l #	91
42) 1,2-Dichloroethane	7.59	62	337852	22.366	ug/l	99
43) Isopropyl Acetate	9.25	43	169530	22.128	ug/l #	94
44) Trichloroethene	8.55	130	251789	21.922	ug/l	88
45) 1,2-Dichloropropane	8.95	63	150971	21.580	ug/l	97
46) Dibromomethane	9.07	93	126941	21.247	ug/l	93
47) Bromodichloromethane	9.39	83	335166	21.871	ug/l	96
48) Methyl methacrylate	9.13	41	111693	21.497	ug/l	93
49) 1,4-Dioxane	9.10	88	18411	416.426	ug/l	96
51) 4-Methyl-2-Pentanone	10.32	43	576997	110.063	ug/l	94
52) Toluene	10.52	92	413141	21.351	ug/l	95
53) t-1,3-Dichloropropene	10.93	75	268404	21.461	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	295805	20.976	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	145856	22.315	ug/l	97
56) Ethyl methacrylate	11.05	69	152430	21.486	ug/l	90
57) 1,3-Dichloropropane	11.42	76	209043	21.158	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	380852	101.686	ug/l	97
59) 2-Hexanone	11.55	43	420765	110.306	ug/l	95
60) Dibromochloromethane	11.69	129	259948	21.856	ug/l	98
61) 1,2-Dibromoethane	11.81	107	173674	21.949	ug/l	96
64) Tetrachloroethene	11.27	164	225700	22.661	ug/l	95
65) Chlorobenzene	12.40	112	516758	21.370	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	237931	22.358	ug/l	96
67) Ethyl Benzene	12.53	91	903999	21.501	ug/l	100
68) m/p-Xylenes	12.68	106	682760	46.221	ug/l	94
69) o-Xylene	13.05	106	337601	23.746	ug/l	99
70) Styrene	13.08	104	594215	23.497	ug/l	94
71) Bromoform	13.24	173	157093	21.528	ug/l #	97
73) Isopropylbenzene	13.41	105	940497	21.662	ug/l	99
74) N-amyl acetate	13.27	43	228684	20.982	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	154156	21.392	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	166808	21.293	ug/l	99
77) Bromobenzene	13.67	156	256338	21.603	ug/l	95
78) n-propylbenzene	13.78	91	1105785	21.768	ug/l	97
79) 2-Chlorotoluene	13.85	91	608269	20.770	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	797476	21.022	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	46220	21.952	ug/l	89
82) 4-Chlorotoluene	13.95	91	738171	20.959	ug/l	97
83) tert-Butylbenzene	14.19	119	859754	21.523	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	770731	21.958	ug/l	96
85) sec-Butylbenzene	14.37	105	828358	19.526	ug/l	100
86) p-Isopropyltoluene	14.50	119	856202	21.109	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	448412	20.892	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	480784	23.348	ug/l	97
89) n-Butylbenzene	14.80	91	780857	21.093	ug/l	97
90) Hexachloroethane	15.01	117	211351	20.731	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	379926	20.864	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	27647	20.375	ug/l	84

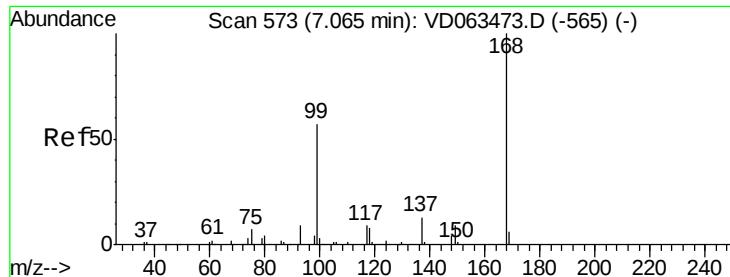
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080919\
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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:19:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	257840	19.243	ug/l	95
94) Hexachlorobutadiene	16.04	225	212330	20.792	ug/l	99
95) Naphthalene	16.13	128	429565	21.154	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	228190	21.085	ug/l	97

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

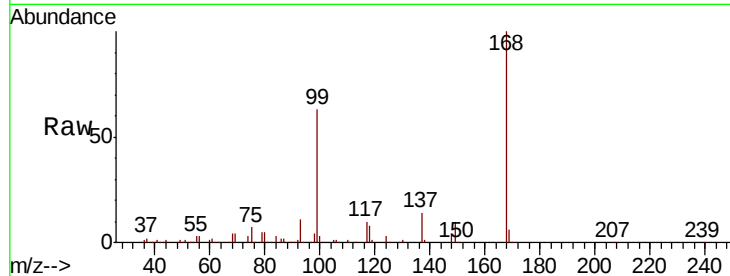


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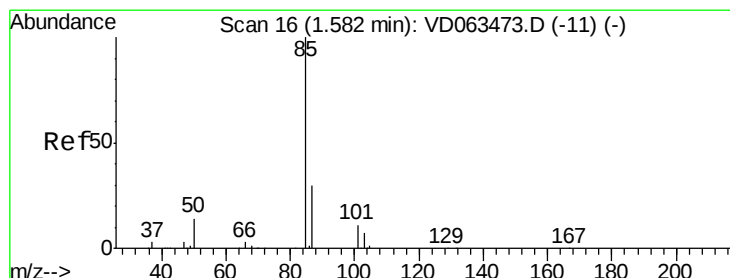
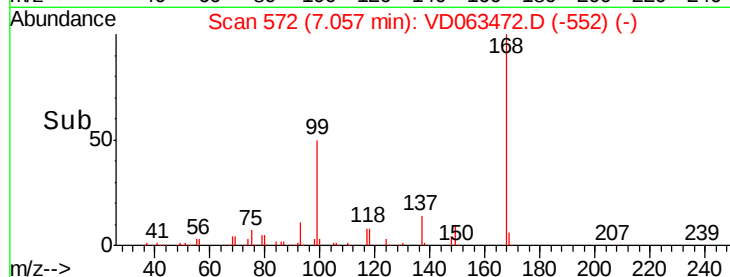
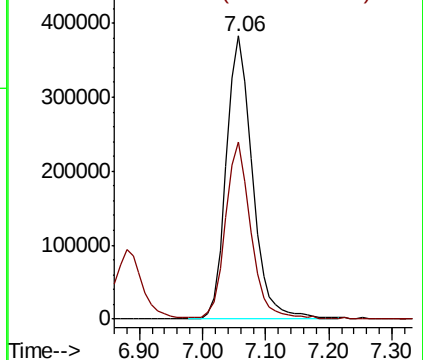
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:168 Resp: 1097668
Ion Ratio Lower Upper
168 100
99 62.7 46.7 70.1



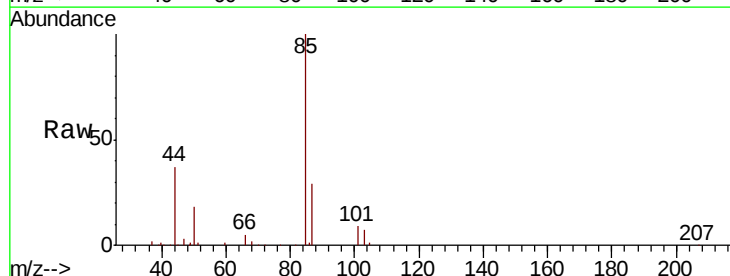
Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.95 (98.65 to 99.65): VDC



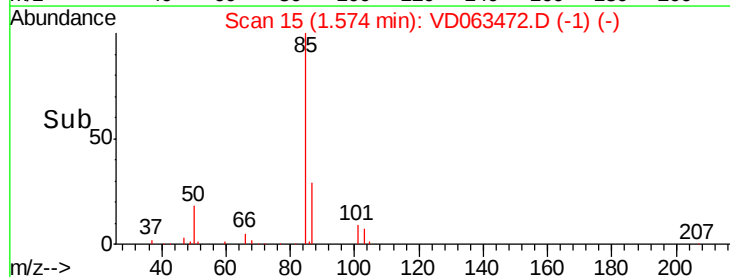
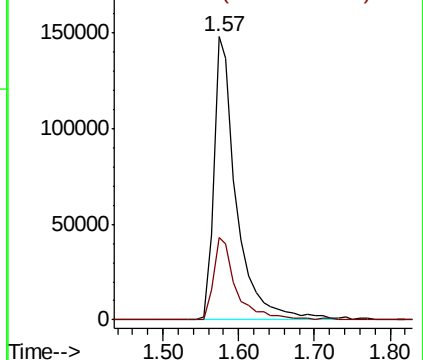
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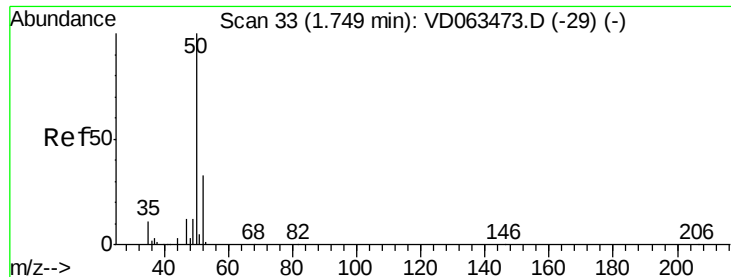
Dichlorodifluoromethane
Concen: 23.228 ug/l
RT: 1.57 min Scan# 15
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Tgt Ion: 85 Resp: 308956
Ion Ratio Lower Upper
85 100
87 29.0 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC
Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.050 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

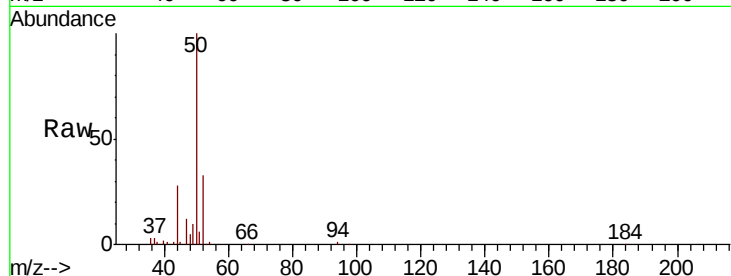
VSTDIC020

Tgt Ion: 50 Resp: 229151

Ion Ratio Lower Upper

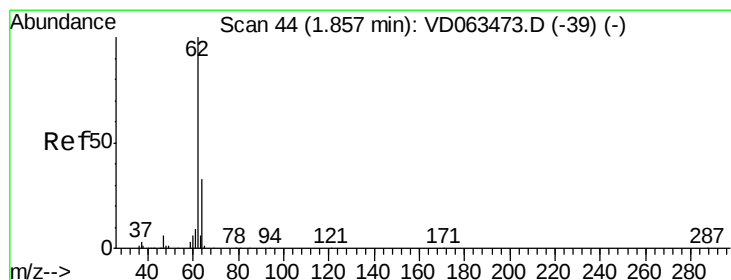
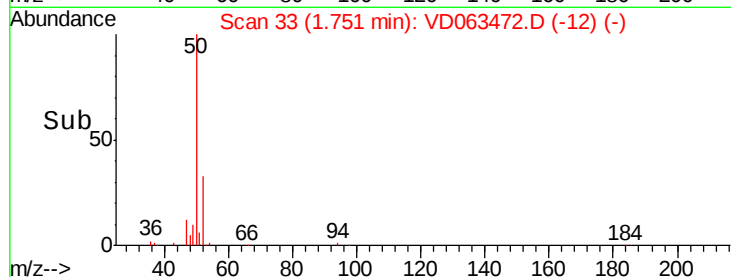
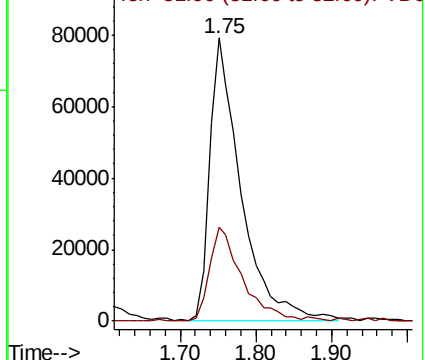
50 100

52 33.1 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.853 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD063472.D

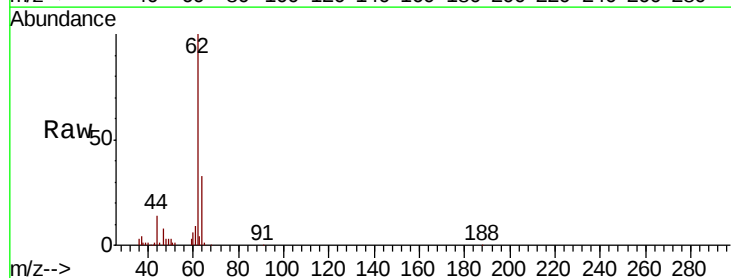
Acq: 9 Aug 2019 14:29

Tgt Ion: 62 Resp: 225421

Ion Ratio Lower Upper

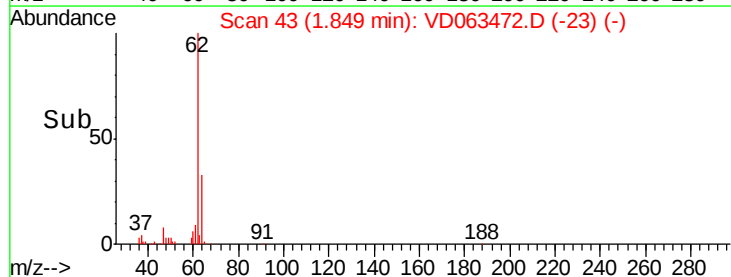
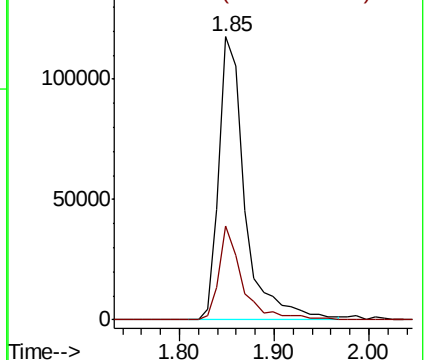
62 100

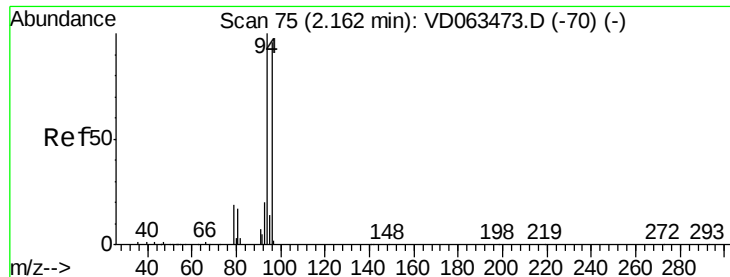
64 33.4 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.977 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

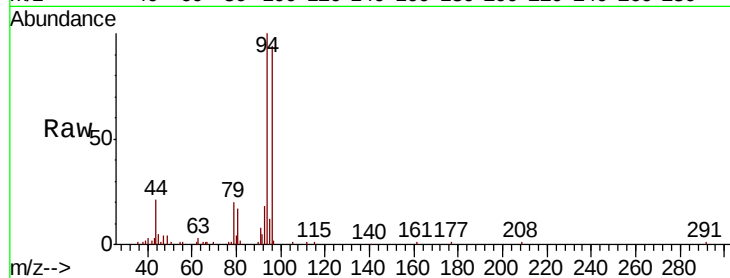
Tgt Ion: 94 Resp: 96725

Ion Ratio Lower Upper

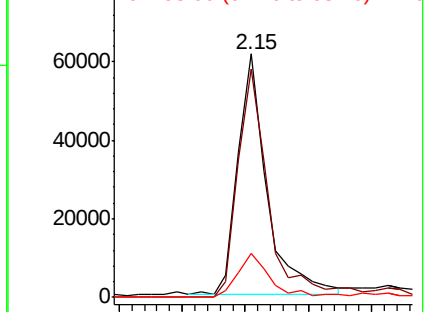
94 100

96 94.0 76.5 114.7

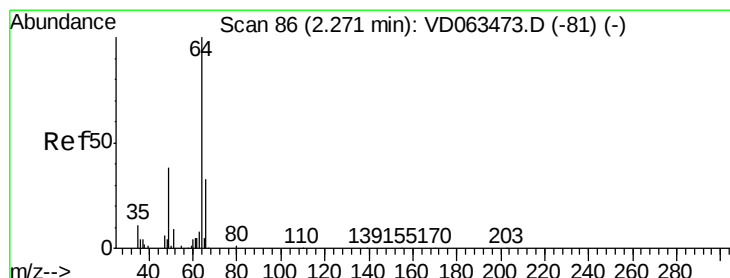
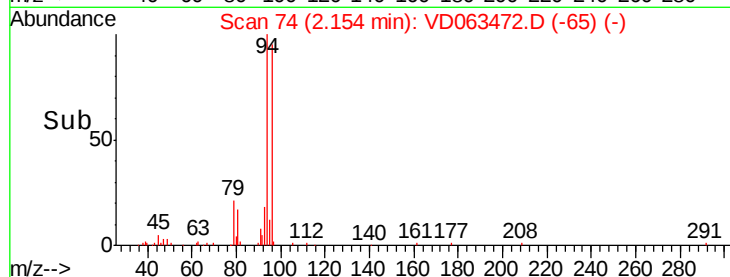
93 17.8 15.8 23.8



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



Time--> 2.05 2.10 2.15 2.20 2.25



#6

Chloroethane

Concen: 21.120 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD063472.D

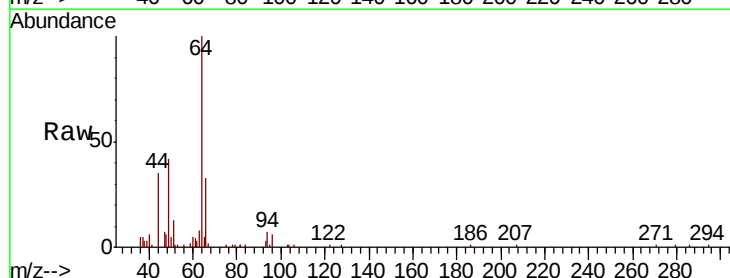
Acq: 9 Aug 2019 14:29

Tgt Ion: 64 Resp: 99634

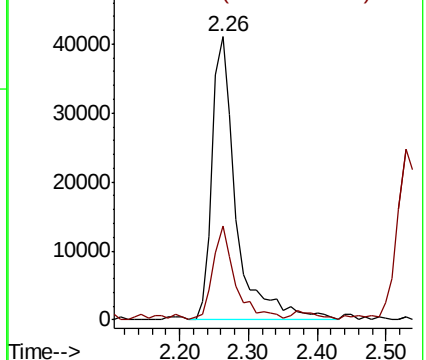
Ion Ratio Lower Upper

64 100

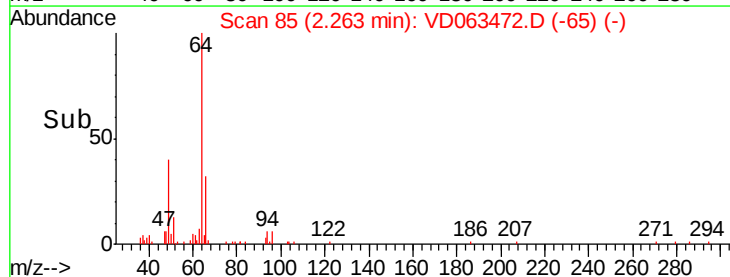
66 33.4 26.3 39.5

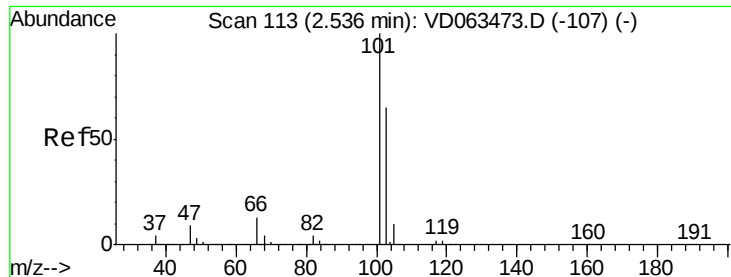


Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



Time--> 2.20 2.30 2.40 2.50



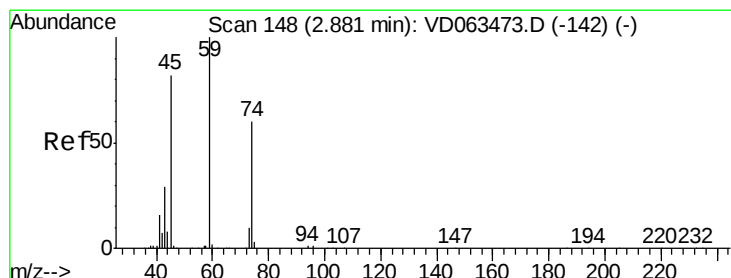
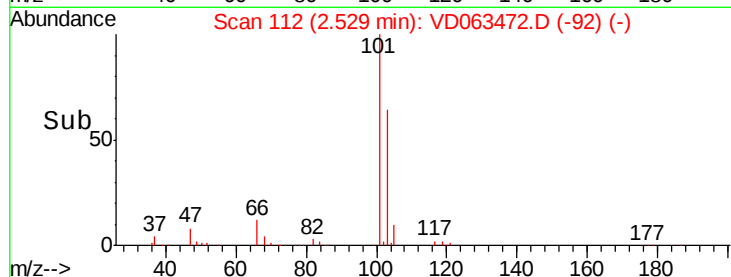
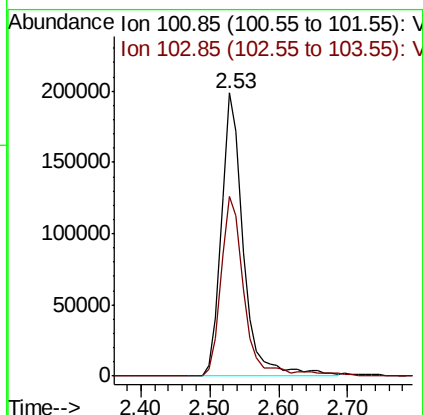
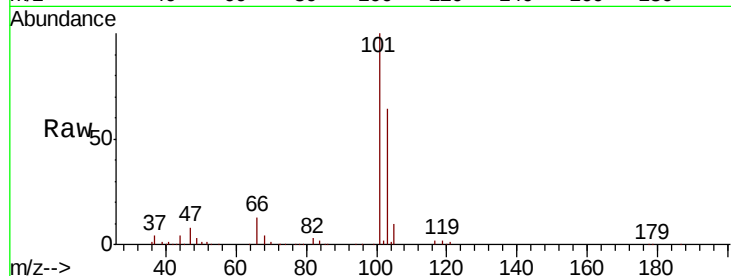


#7

Trichlorofluoromethane
 Concen: 21.728 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

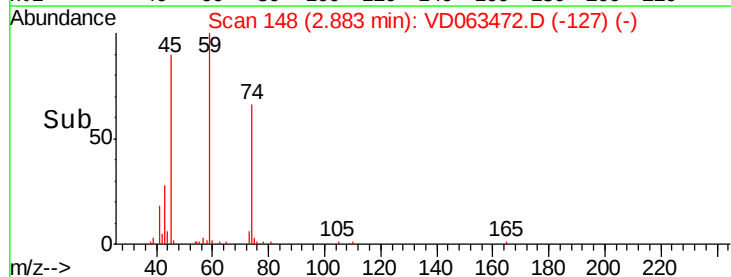
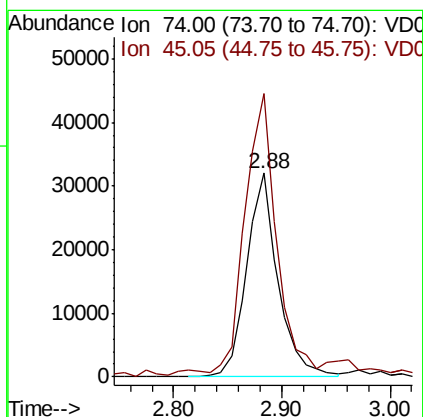
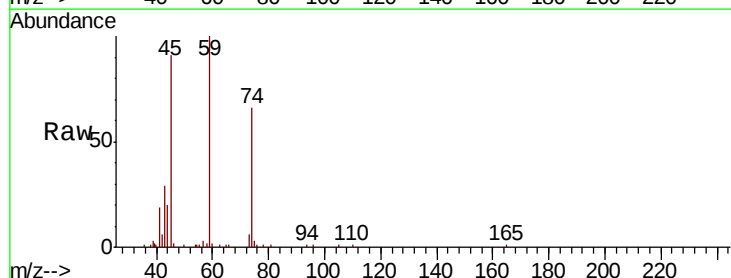
Tgt Ion: 101 Resp: 439656
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.2 78.4



#8

Diethyl Ether
 Concen: 22.545 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

Tgt Ion: 74 Resp: 64410
 Ion Ratio Lower Upper
 74 100
 45 138.8 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.755 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

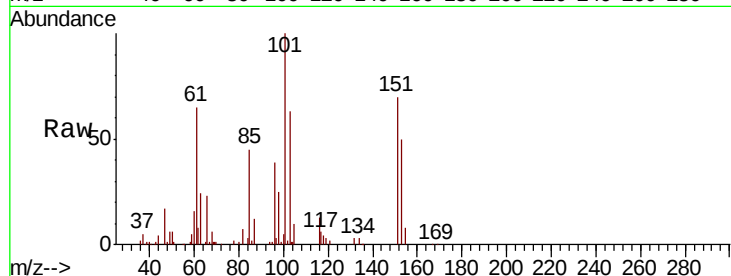
Tgt Ion:101 Resp: 259931

Ion Ratio Lower Upper

101 100

85 45.0 35.8 53.6

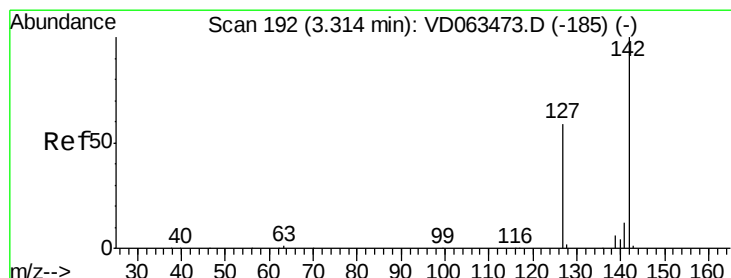
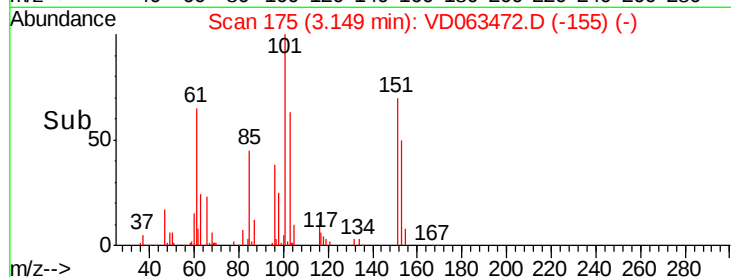
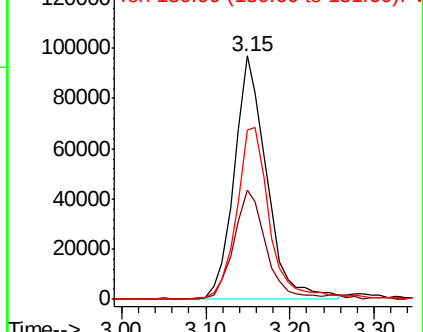
151 69.7 58.6 88.0



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: 20.910 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

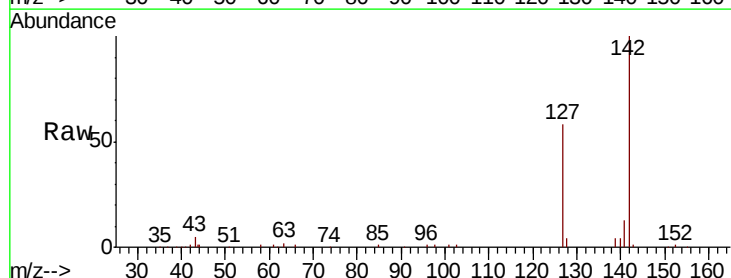
Tgt Ion:142 Resp: 353438

Ion Ratio Lower Upper

142 100

127 57.8 47.2 70.8

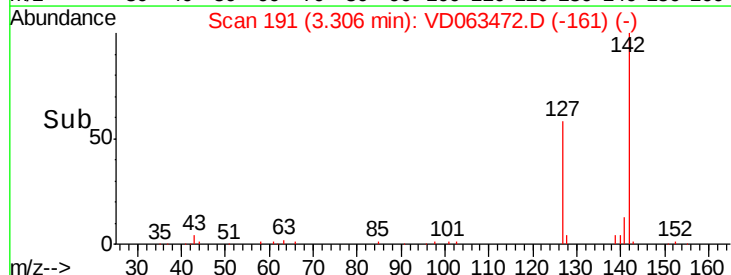
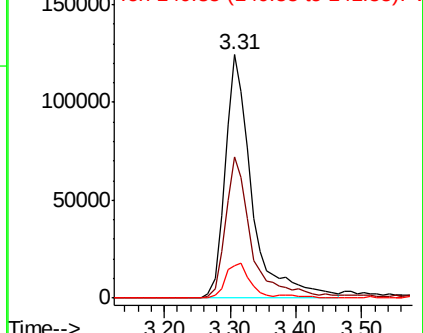
141 13.2 9.8 14.8

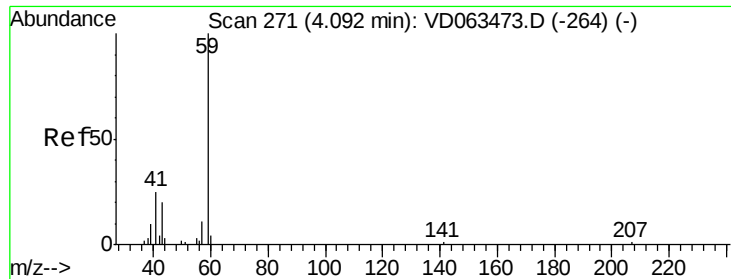


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



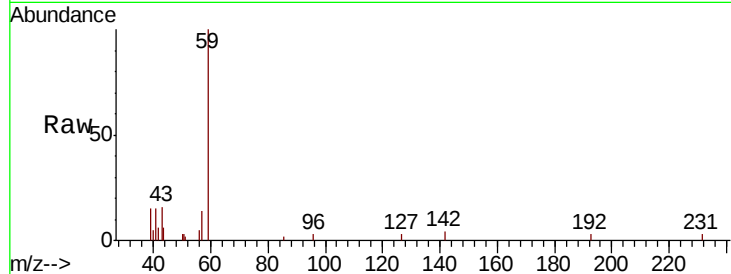


#11

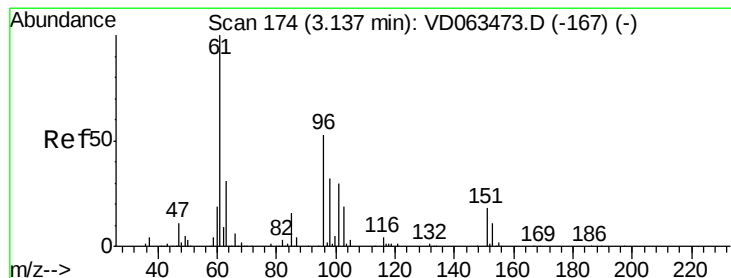
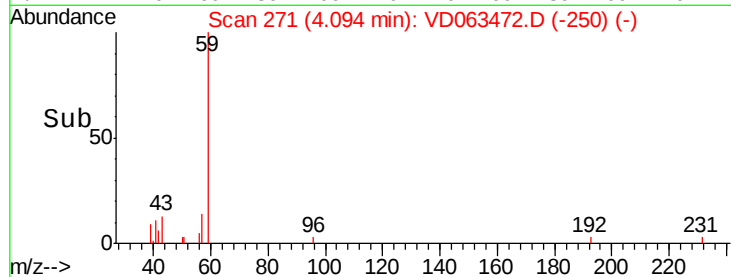
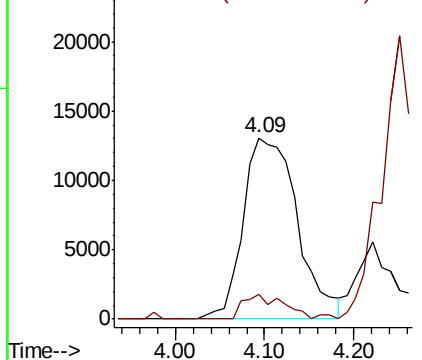
Tert butyl alcohol
 Concen: 107.448 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.00 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 59 Resp: 54964
 Ion Ratio Lower Upper
 59 100
 57 13.7 8.7 13.1#



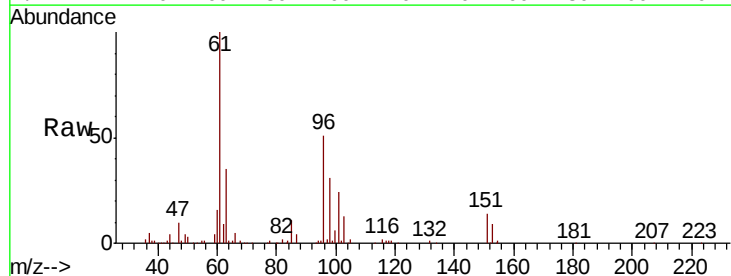
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



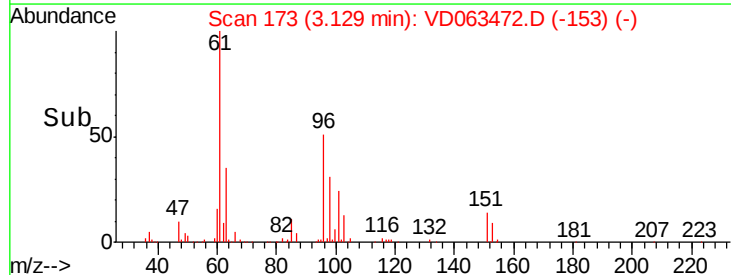
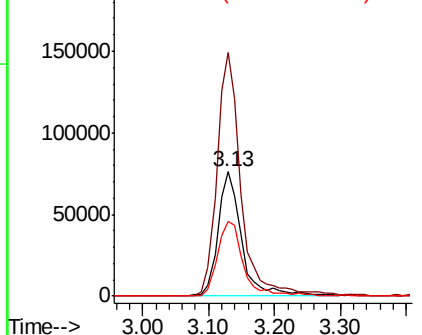
#12

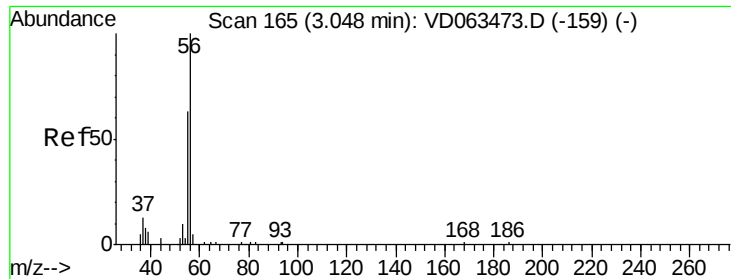
1,1-Dichloroethene
 Concen: 21.383 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

Tgt Ion: 96 Resp: 189814
 Ion Ratio Lower Upper
 96 100
 61 195.8 151.7 227.5
 98 60.4 48.4 72.6



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





#13

Acrolein

Concen: 113.046 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

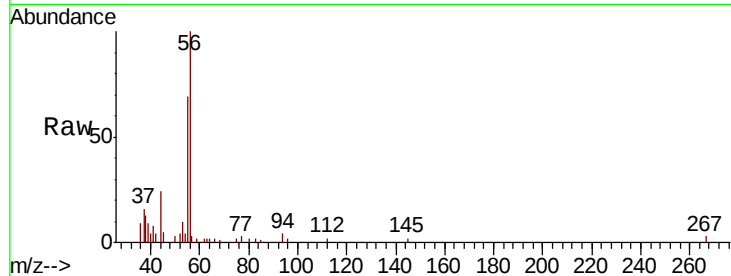
VSTDIC020

Tgt Ion: 56 Resp: 56927

Ion Ratio Lower Upper

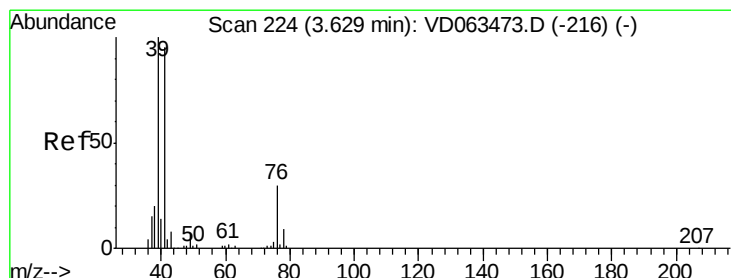
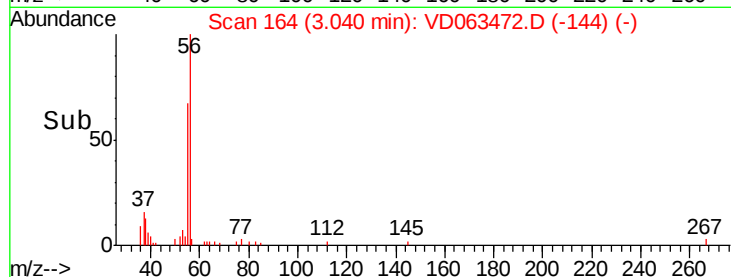
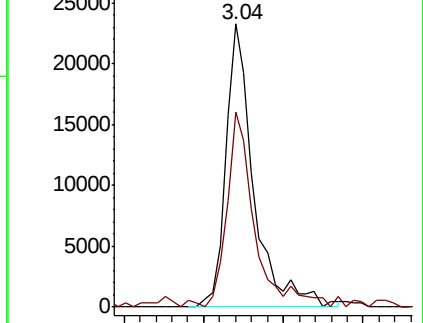
56 100

55 68.8 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.321 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

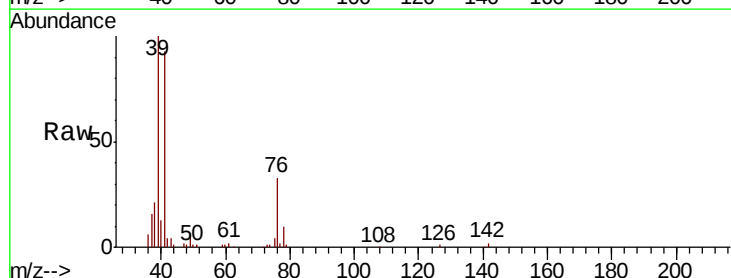
Tgt Ion: 41 Resp: 284337

Ion Ratio Lower Upper

41 100

39 107.0 84.2 126.4

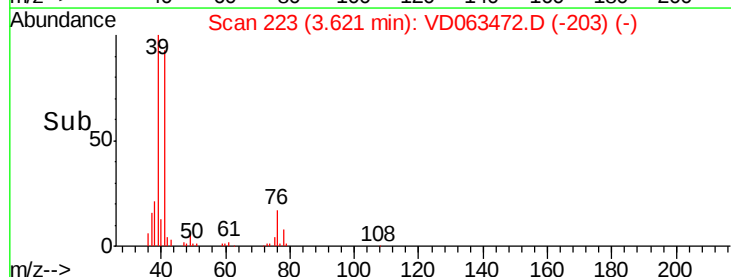
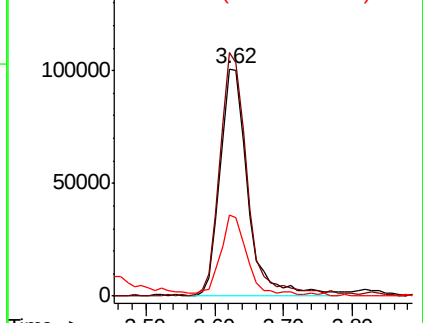
76 35.4 26.0 39.0

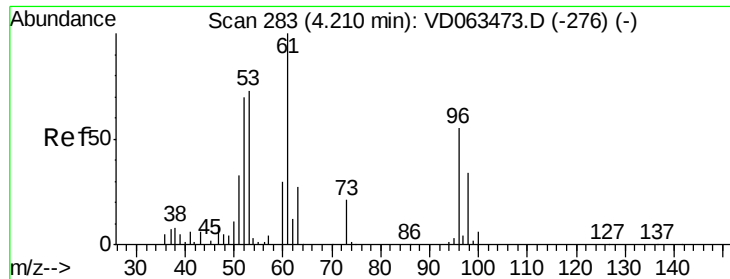


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 106.256 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

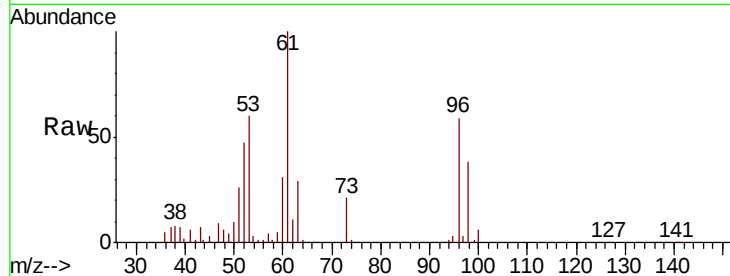
Tgt Ion: 53 Resp: 143968

Ion Ratio Lower Upper

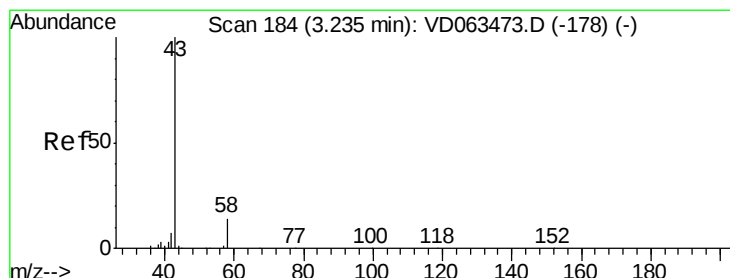
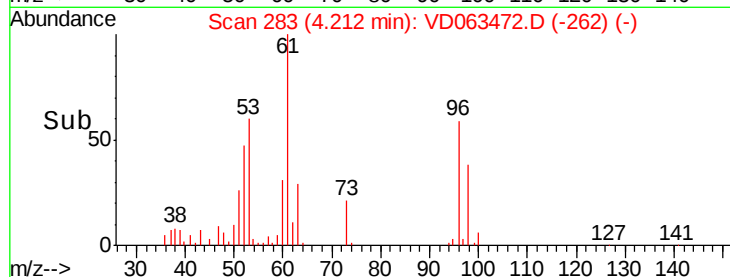
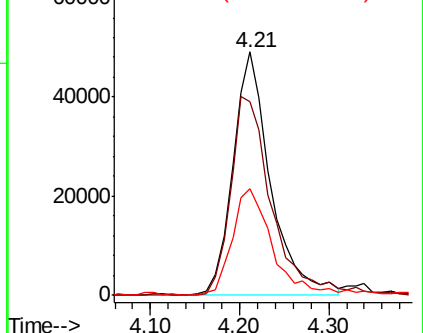
53 100

52 79.4 77.4 116.0

51 43.8 36.7 55.1



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: 96.396 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD063472.D

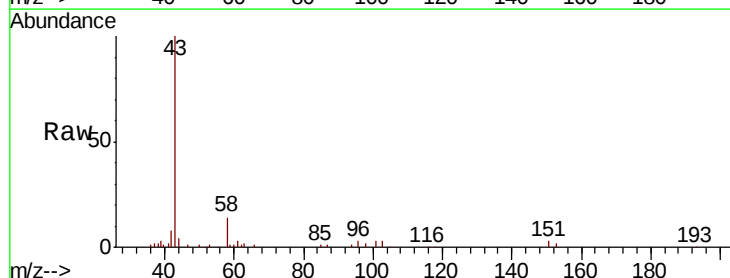
Acq: 9 Aug 2019 14:29

Tgt Ion: 43 Resp: 231640

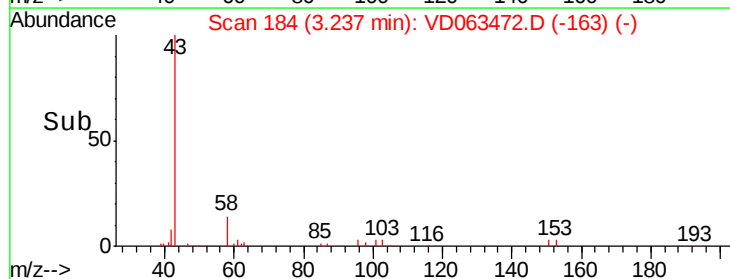
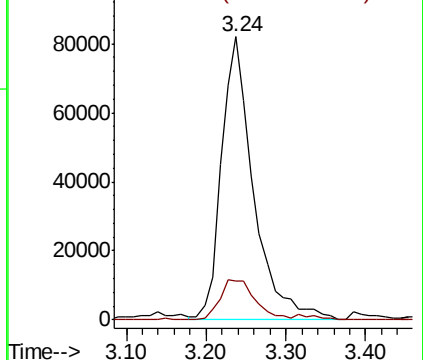
Ion Ratio Lower Upper

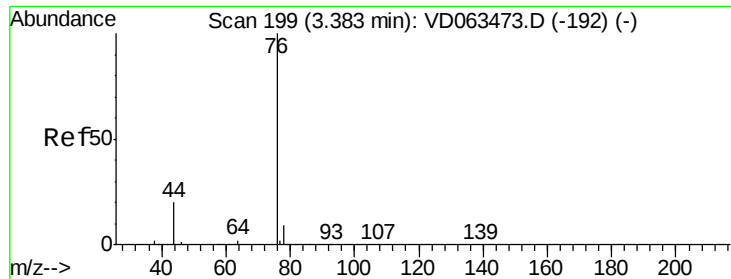
43 100

58 13.6 11.4 17.2



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

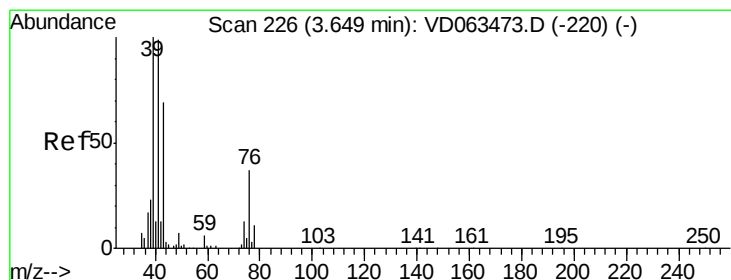
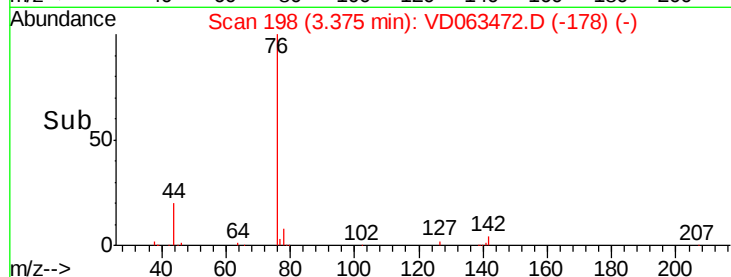
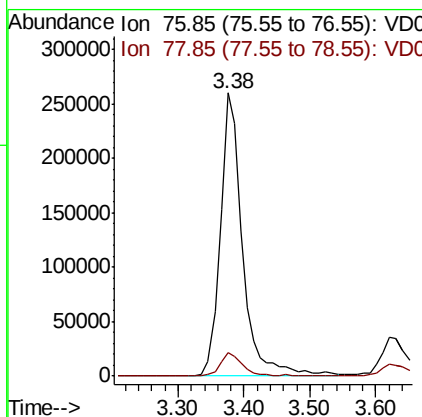
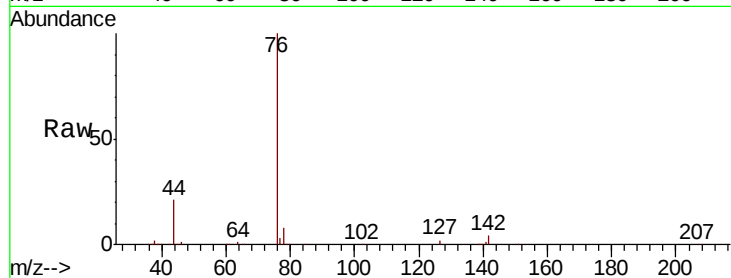




#17
Carbon Disulfide
Concen: 21.830 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

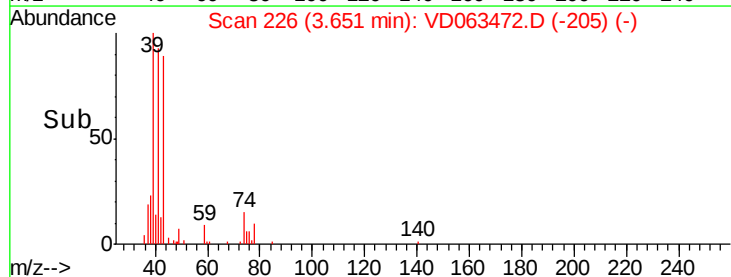
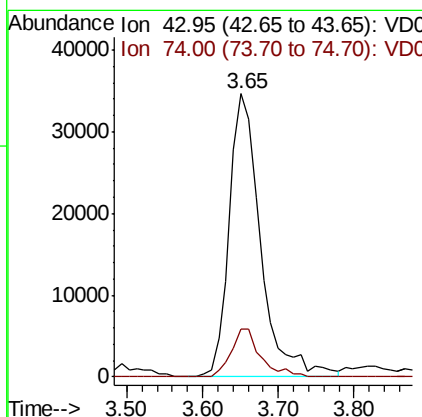
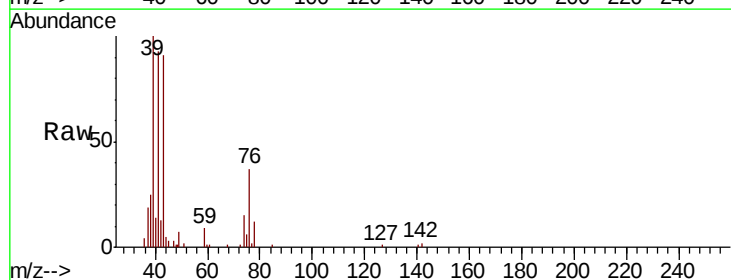
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

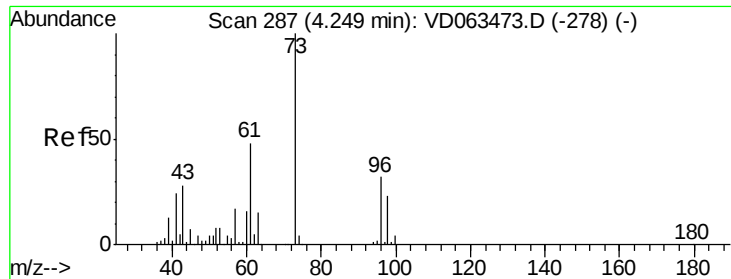
Tgt Ion: 76 Resp: 611825
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0



#18
Methyl Acetate
Concen: 22.001 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Tgt Ion: 43 Resp: 99558
Ion Ratio Lower Upper
43 100
74 17.0 15.4 23.2

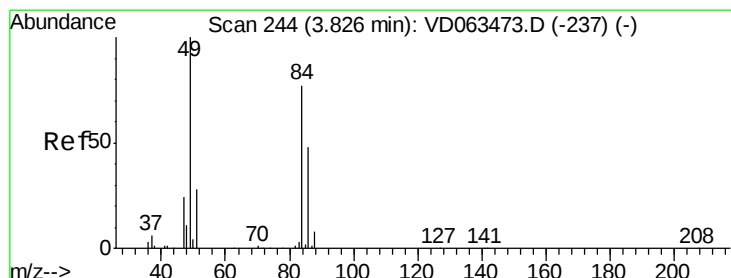
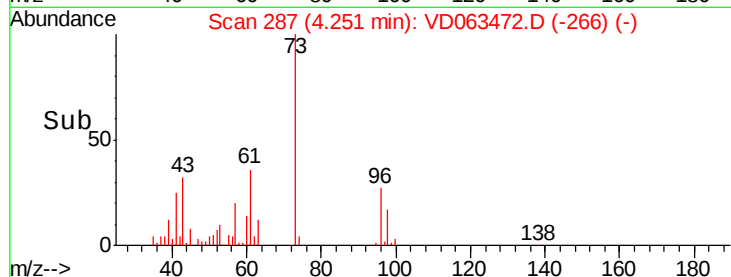
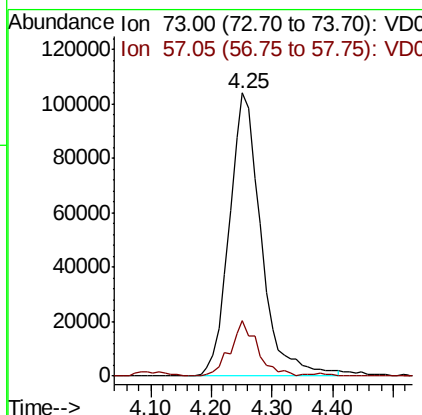
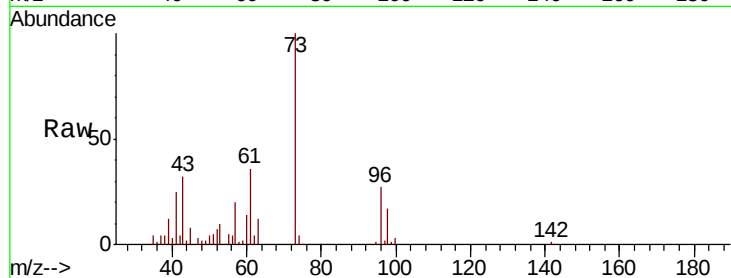




#19
Methyl tert-butyl Ether
Concen: 21.367 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

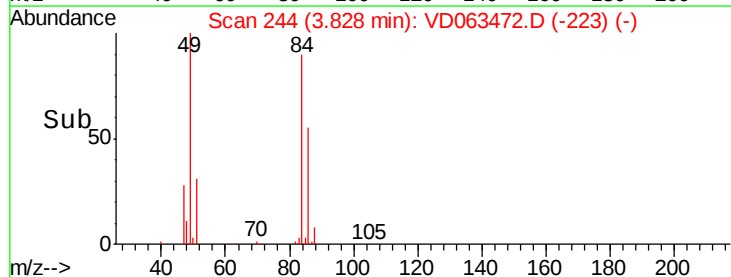
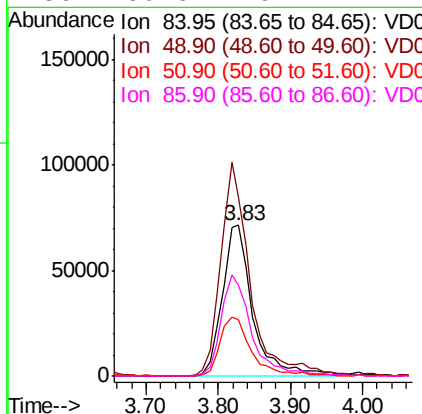
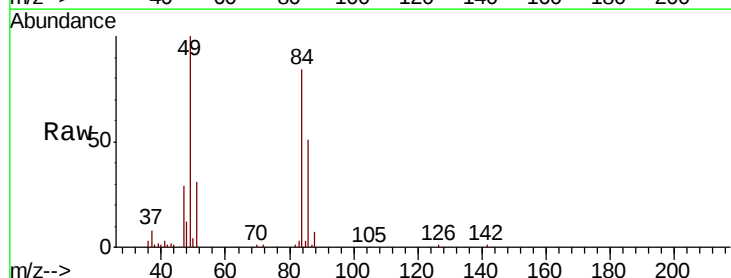
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

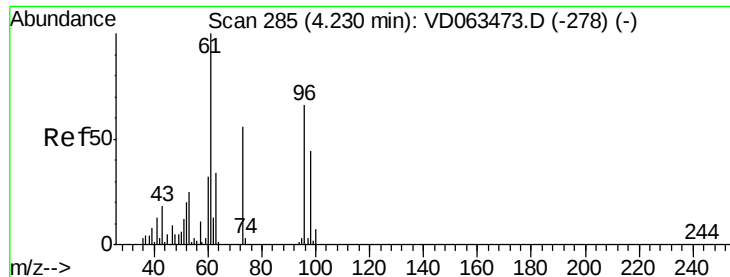
Tgt Ion: 73 Resp: 379571
Ion Ratio Lower Upper
73 100
57 19.6 14.0 21.0



#20
Methylene Chloride
Concen: 20.142 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Tgt Ion: 84 Resp: 208087
Ion Ratio Lower Upper
84 100
49 119.1 103.4 155.2
51 37.0 28.5 42.7
86 60.6 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 21.147 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

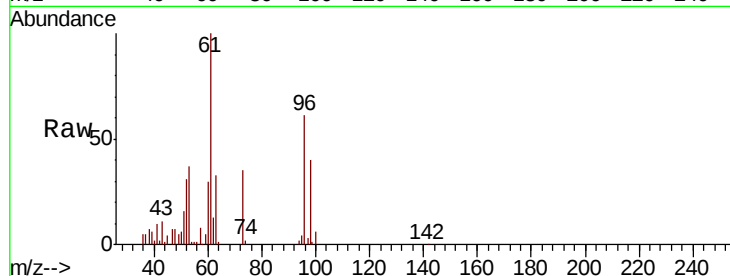
Tgt Ion: 96 Resp: 197668

Ion Ratio Lower Upper

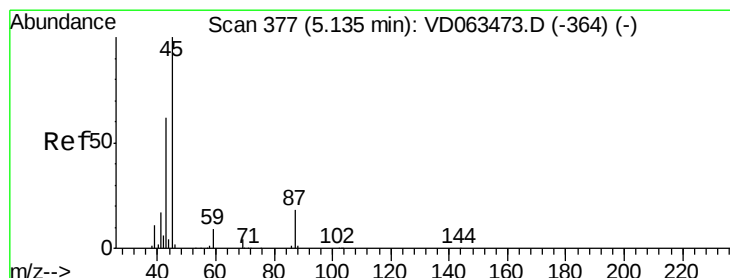
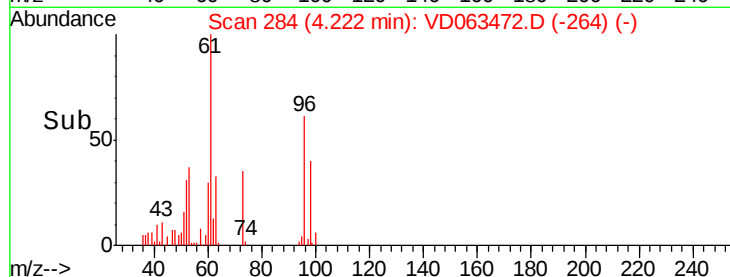
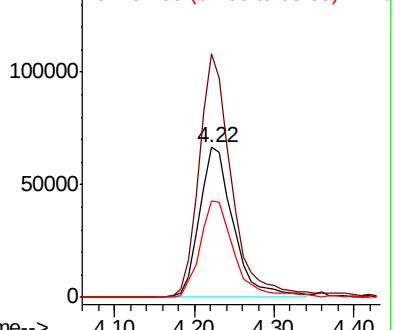
96 100

61 162.7 121.7 182.5

98 64.7 54.2 81.2



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



#22

Diisopropyl ether

Concen: 20.855 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Tgt Ion: 45 Resp: 574362

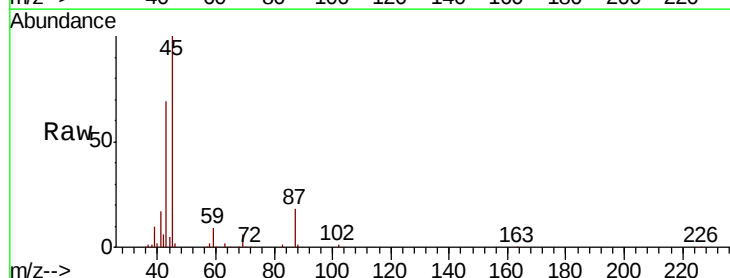
Ion Ratio Lower Upper

45 100

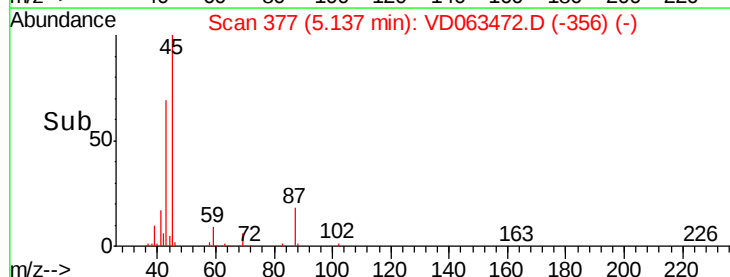
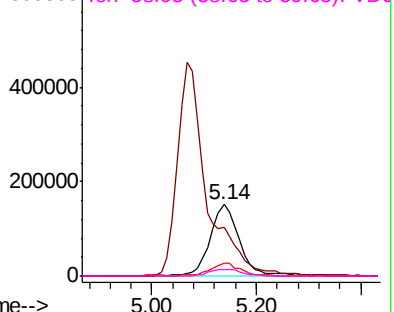
43 68.6 50.3 75.5

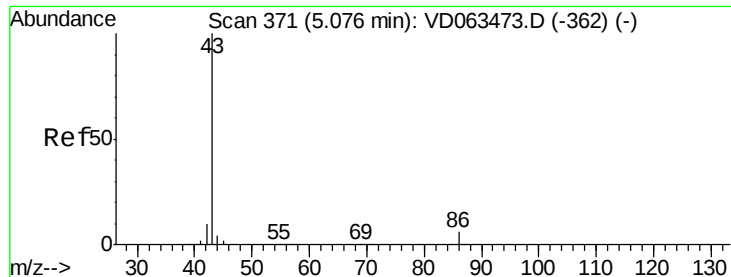
87 18.2 14.3 21.5

59 9.0 7.7 11.5



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 109.658 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

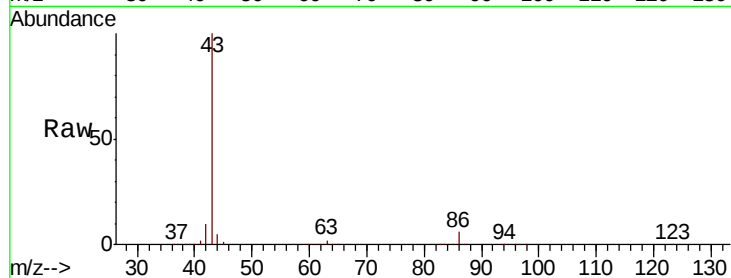
VSTDIC020

Tgt Ion: 43 Resp: 1754356

Ion Ratio Lower Upper

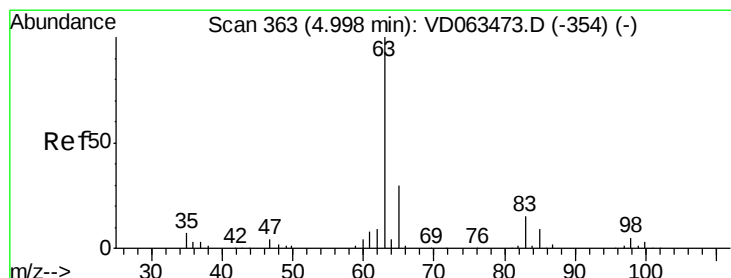
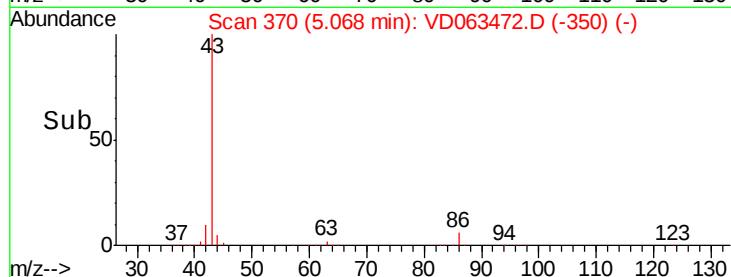
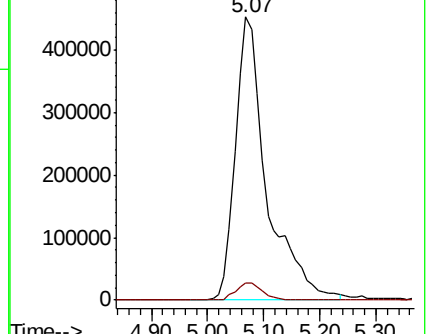
43 100

86 5.9 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.790 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

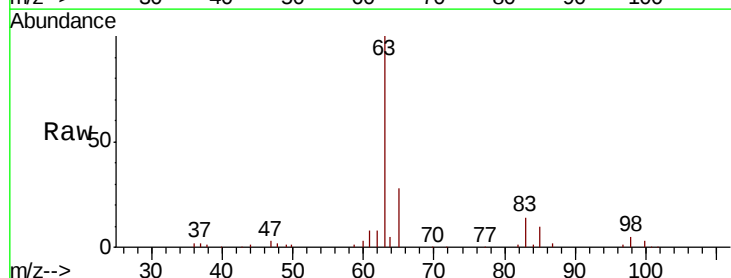
Tgt Ion: 63 Resp: 372410

Ion Ratio Lower Upper

63 100

98 5.2 2.4 7.2

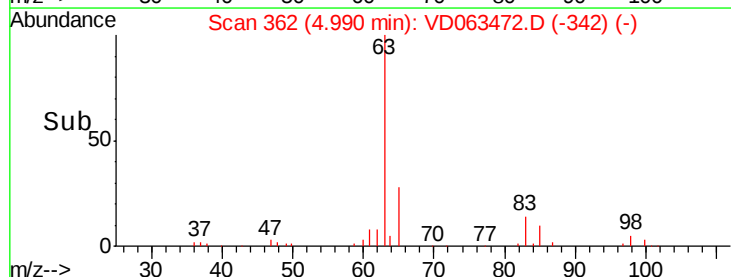
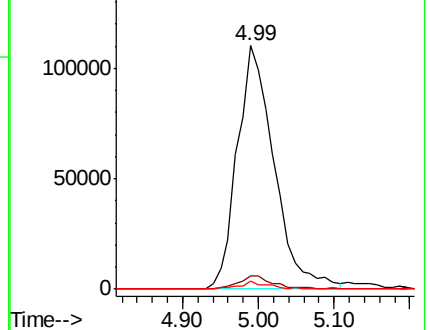
100 3.3 1.3 3.8

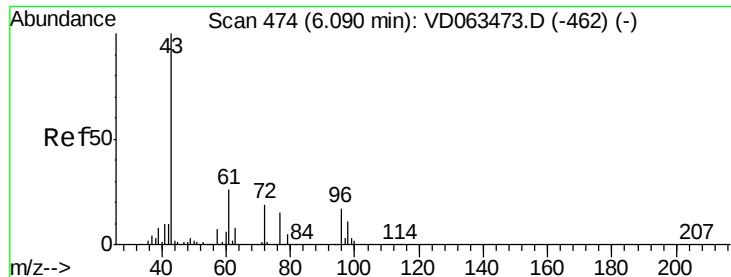


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 104.672 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

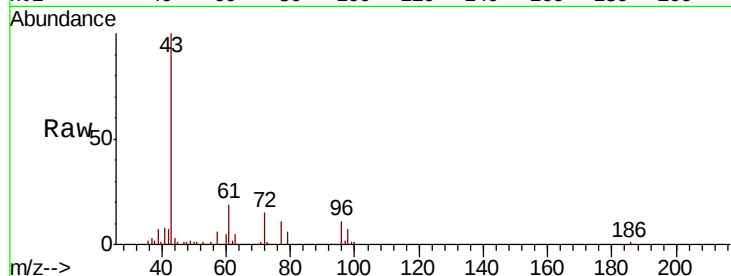
VSTDIC020

Tgt Ion: 43 Resp: 246916

Ion Ratio Lower Upper

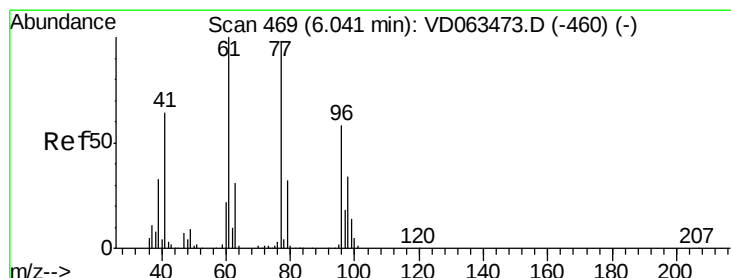
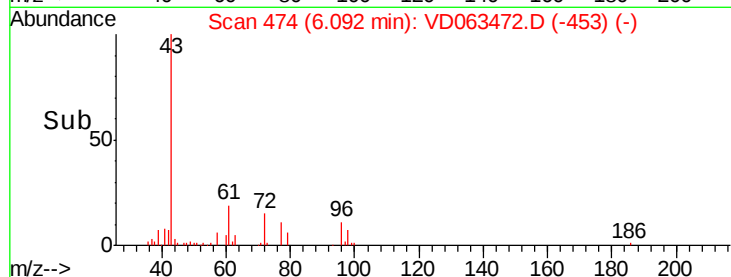
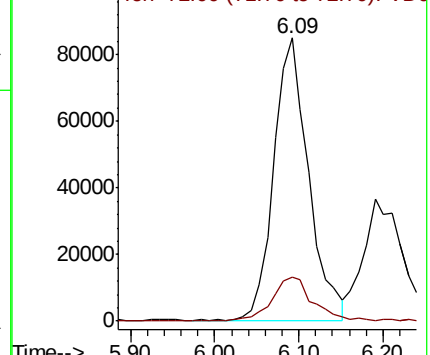
43 100

72 15.4 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.244 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD063472.D

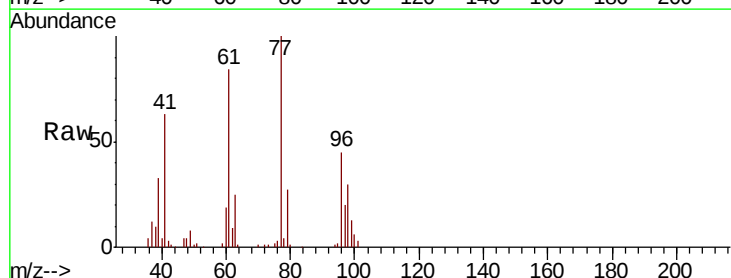
Acq: 9 Aug 2019 14:29

Tgt Ion: 77 Resp: 378654

Ion Ratio Lower Upper

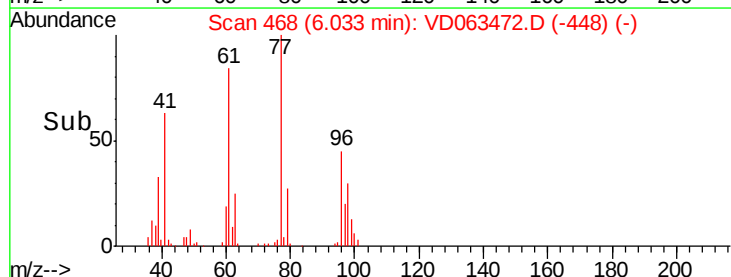
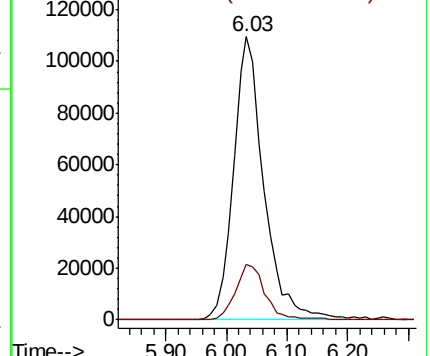
77 100

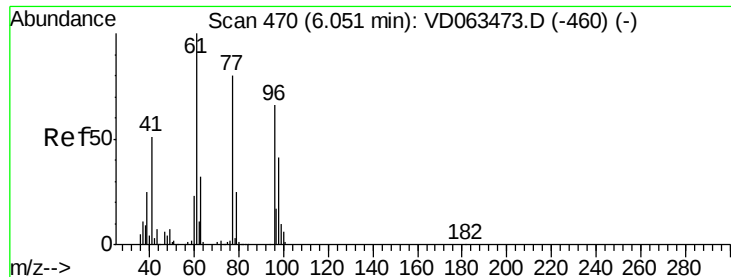
97 19.6 9.0 27.1



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: 21.814 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.00 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

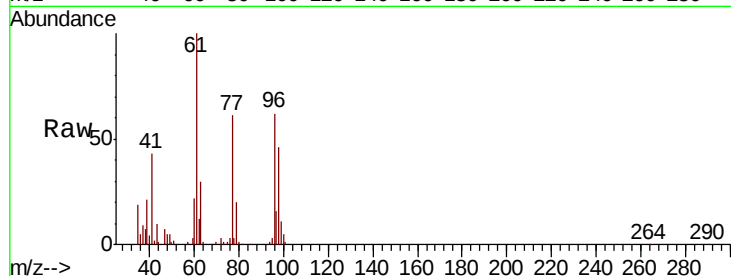
Tgt Ion: 96 Resp: 223096

Ion Ratio Lower Upper

96 100

61 161.7 0.0 304.0

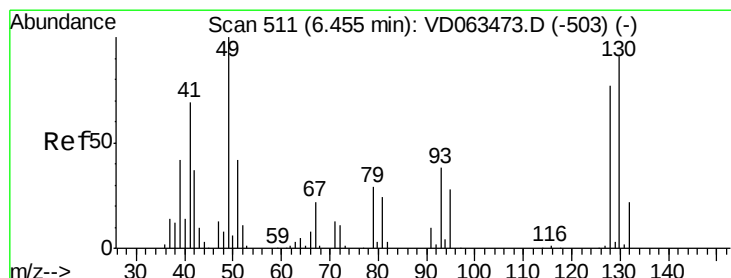
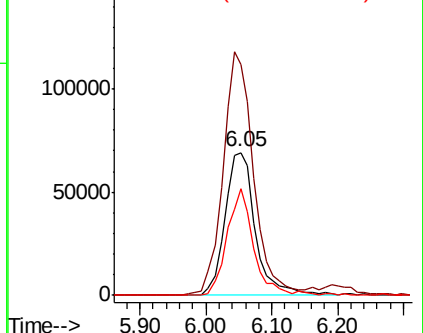
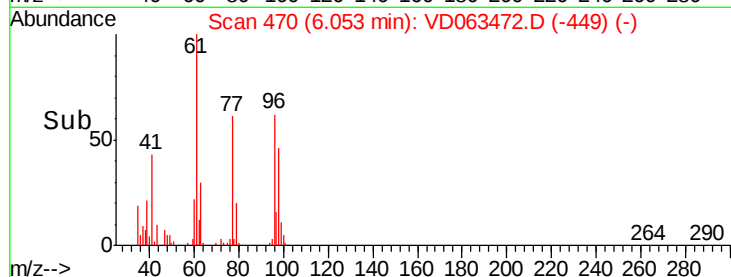
98 74.8 0.0 124.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 20.547 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

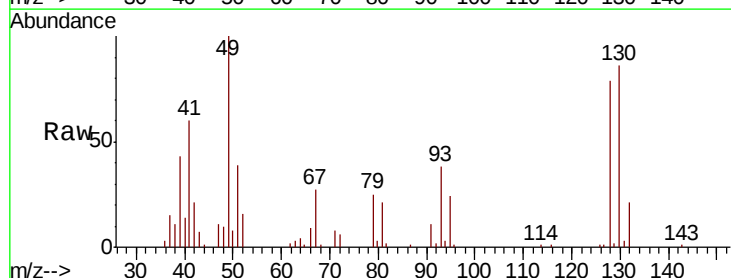
Tgt Ion: 49 Resp: 142324

Ion Ratio Lower Upper

49 100

129 1.9 0.0 6.4

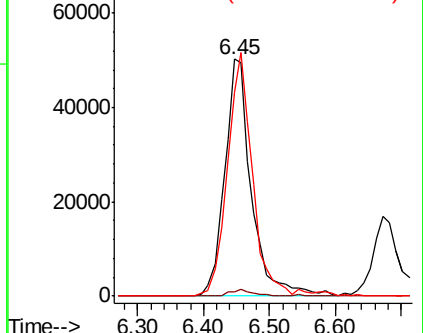
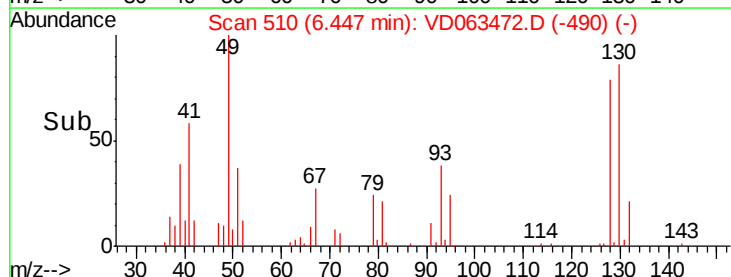
130 86.0 72.4 108.6



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 103.691 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.00 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

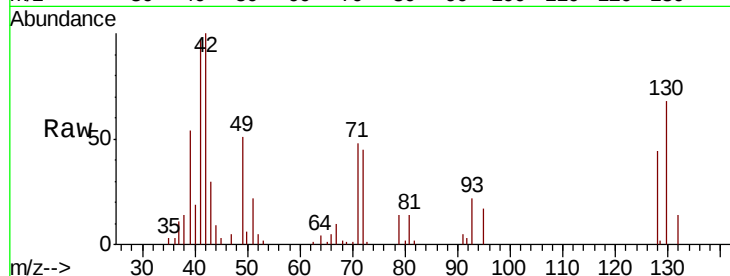
Tgt Ion: 42 Resp: 113990

Ion Ratio Lower Upper

42 100

72 42.9 31.5 47.3

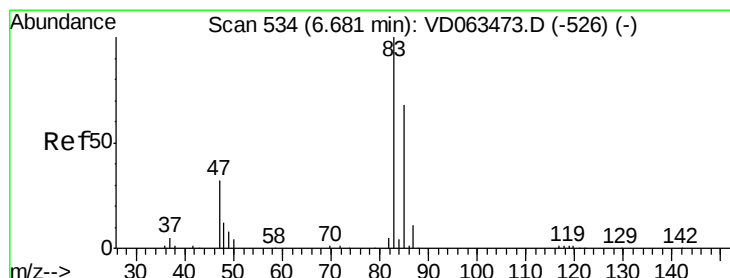
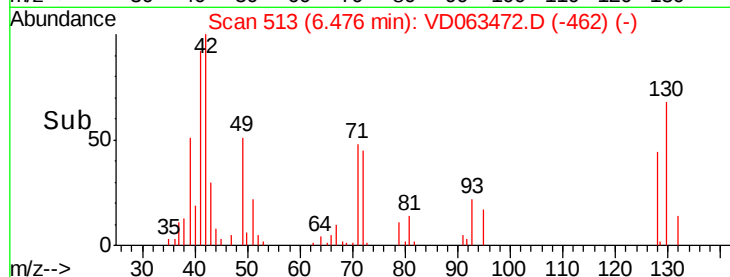
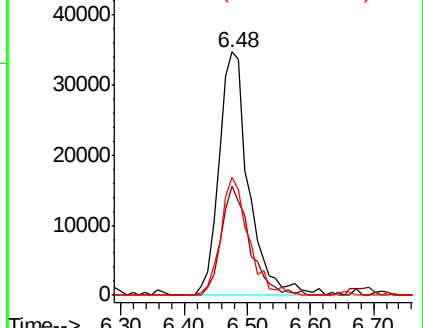
71 45.2 33.8 50.8



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: 22.054 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD063472.D

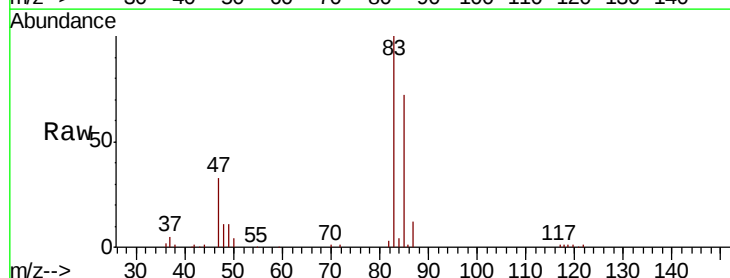
Acq: 9 Aug 2019 14:29

Tgt Ion: 83 Resp: 468528

Ion Ratio Lower Upper

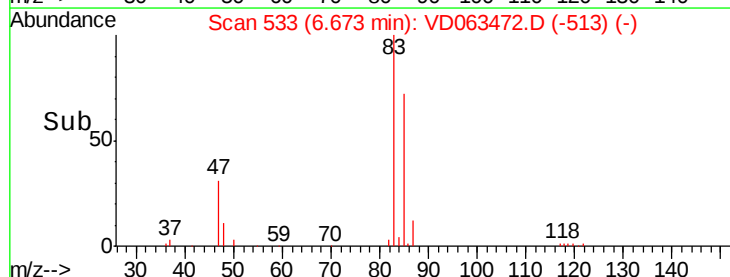
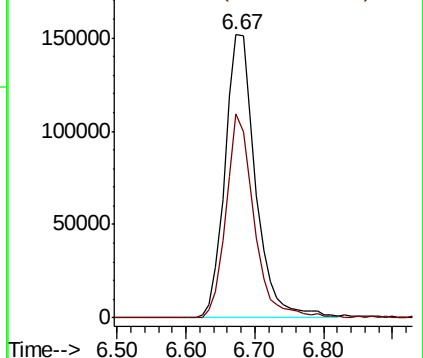
83 100

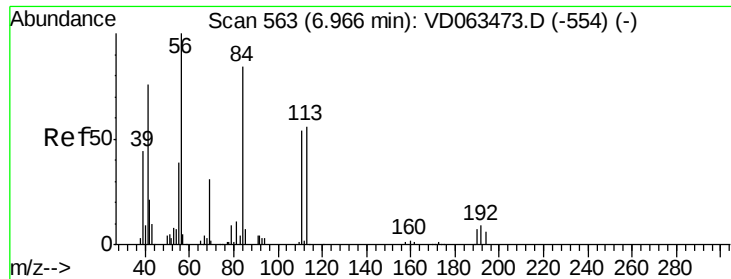
85 72.2 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

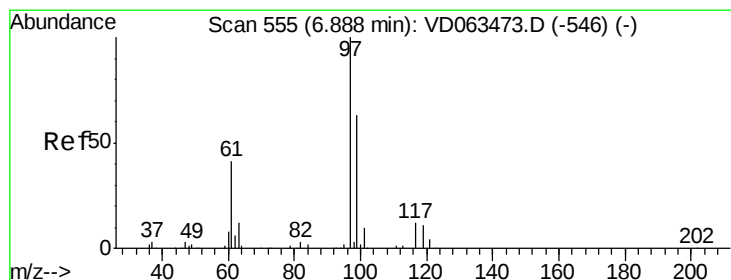
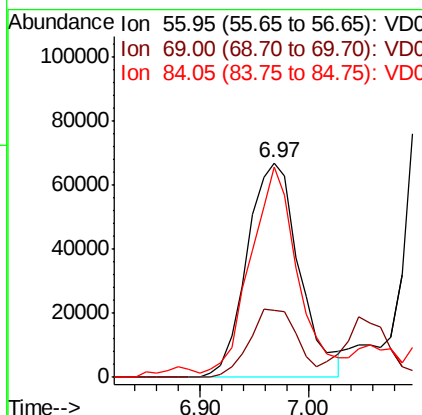
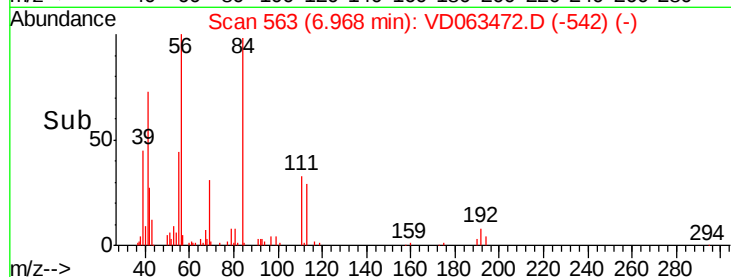
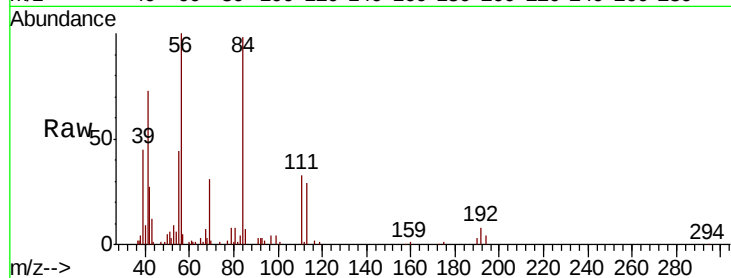




#31
Cyclohexane
Concen: 21.095 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

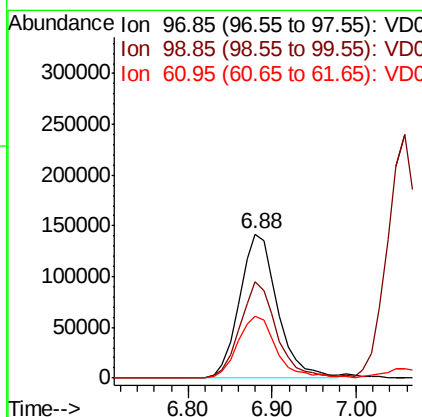
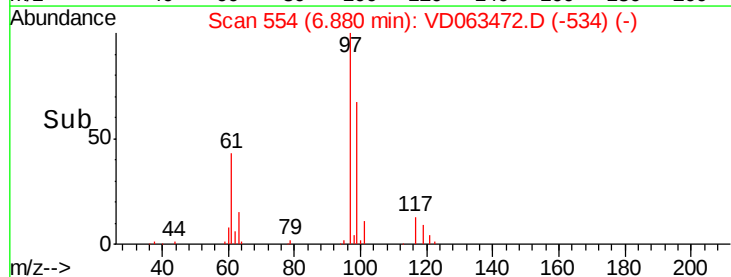
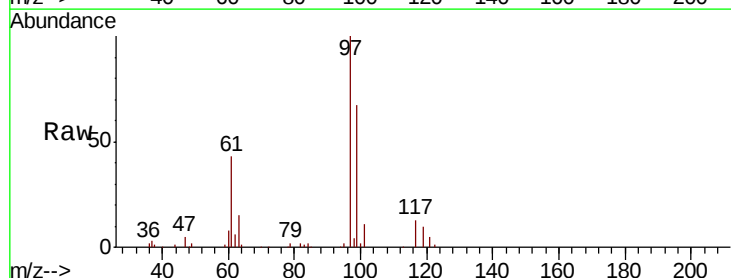
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

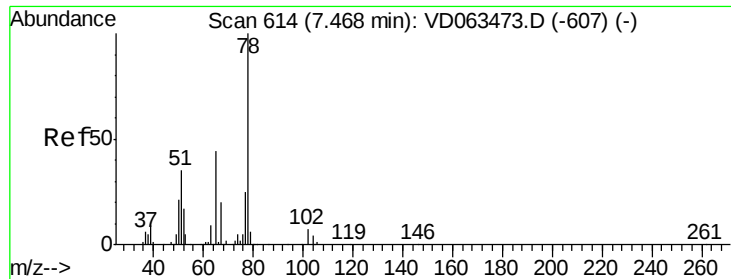
Tgt Ion: 56 Resp: 223824
Ion Ratio Lower Upper
56 100
69 31.1 25.0 37.6
84 98.3 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 21.941 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Tgt Ion: 97 Resp: 445867
Ion Ratio Lower Upper
97 100
99 67.0 50.2 75.4
61 42.8 33.1 49.7





#33

1,2-Dichloroethane-d4

Concen: 18.911 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

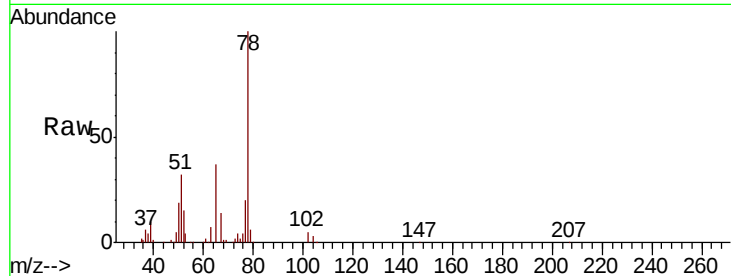
VSTDIC020

Tgt Ion: 65 Resp: 222203

Ion Ratio Lower Upper

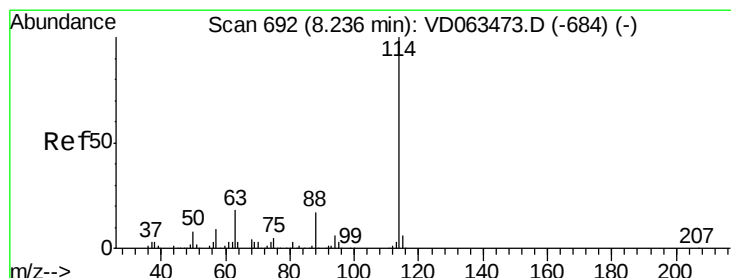
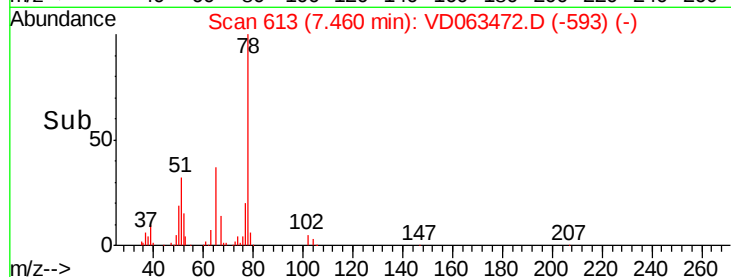
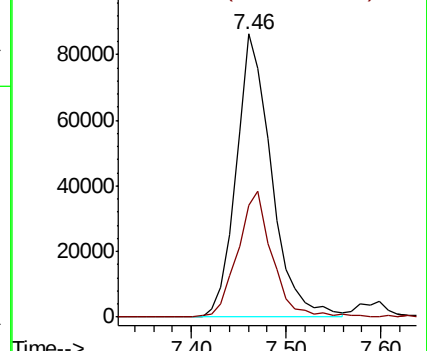
65 100

67 39.4 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

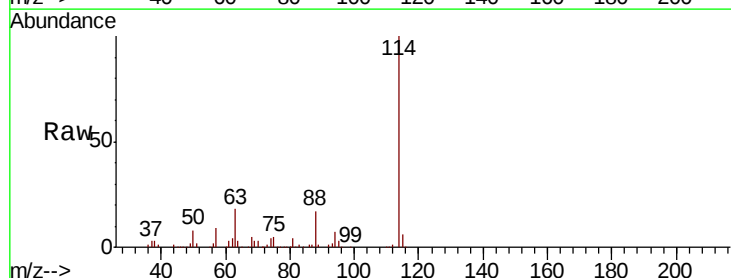
Tgt Ion: 114 Resp: 1544218

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.2

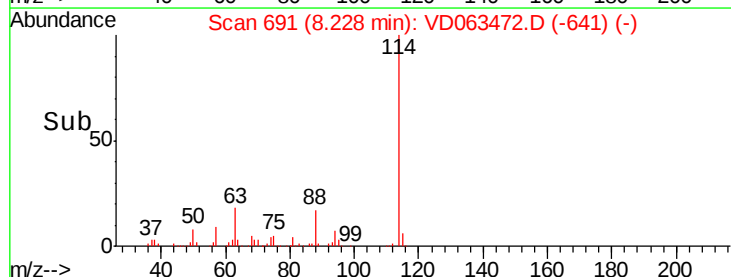
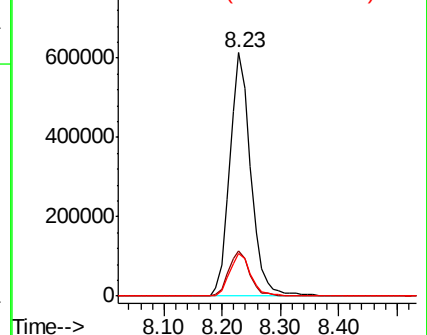
88 17.3 0.0 35.0

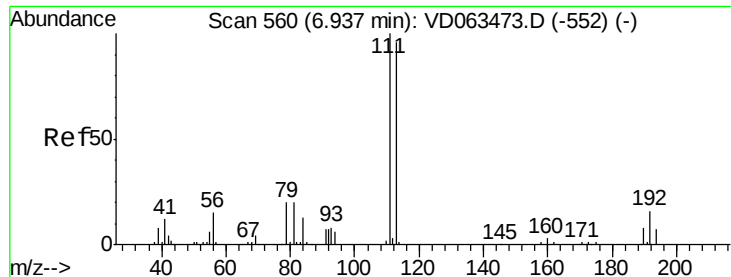


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

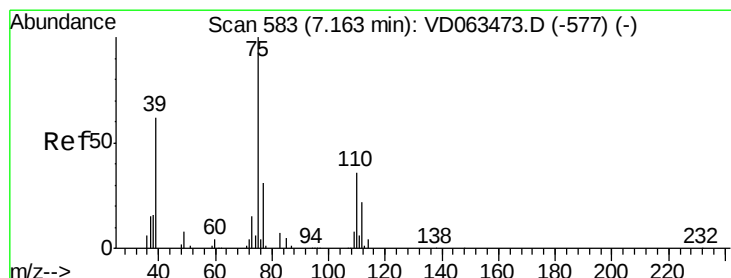
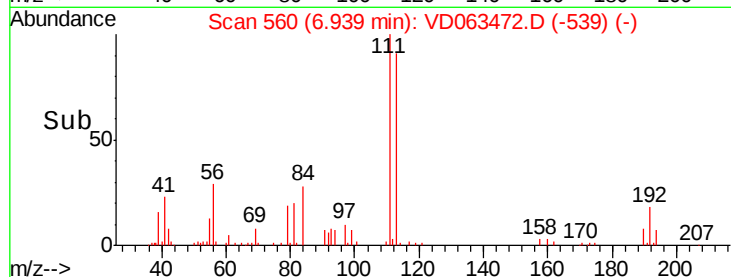
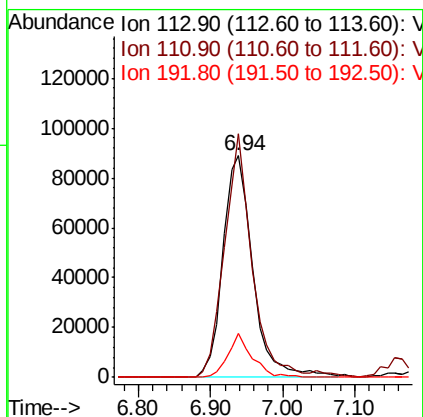
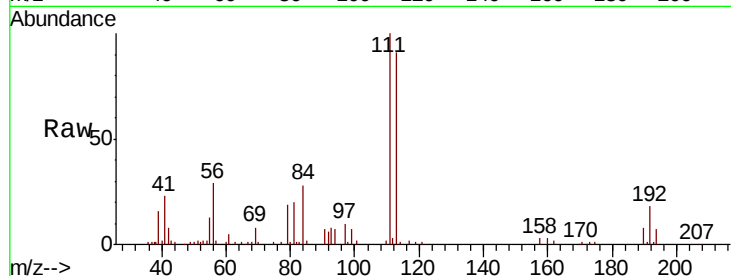




#35
 Dibromofluoromethane
 Concen: 19.752 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

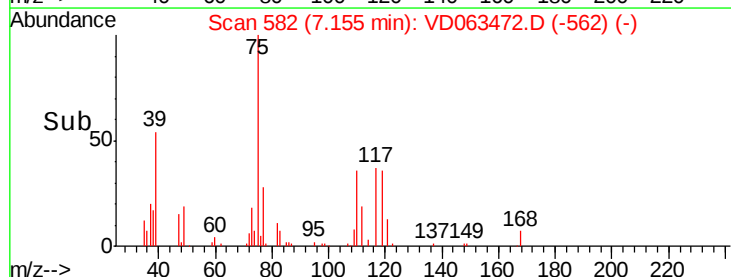
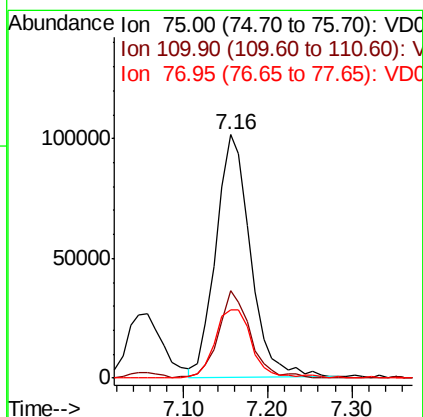
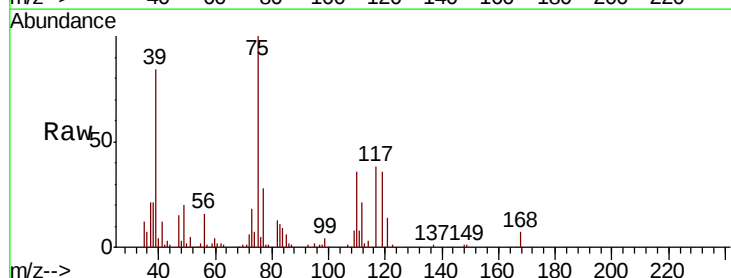
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
113	100		
111	109.9	83.1	124.7
192	20.0	13.1	19.7#



#36
 1,1-Dichloropropene
 Concen: 21.095 ug/l
 RT: 7.16 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.6	52.8
77	28.3	24.3	36.5

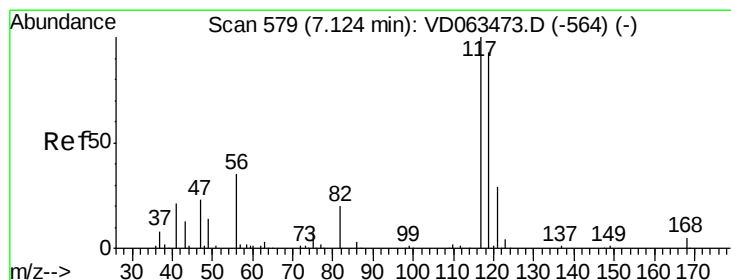
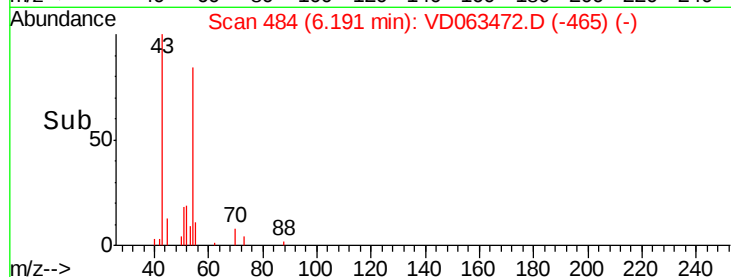
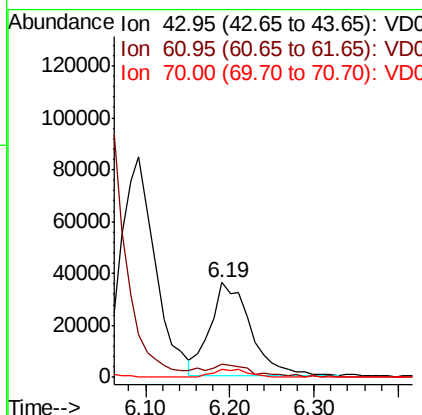
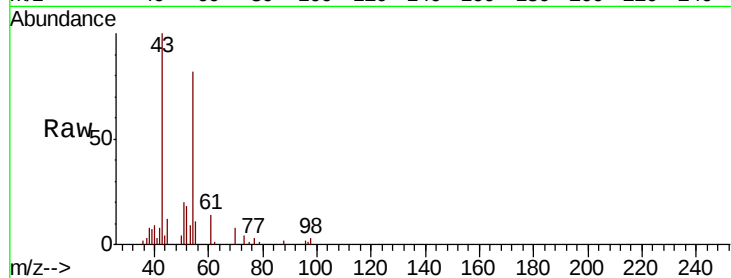




#37
 Ethyl Acetate
 Concen: 20.728 ug/l
 RT: 6.19 min Scan# 484
 Delta R.T. -0.02 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

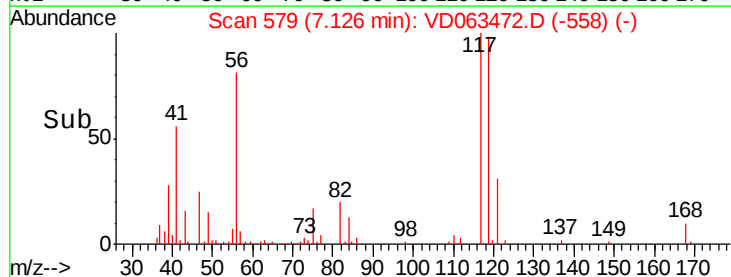
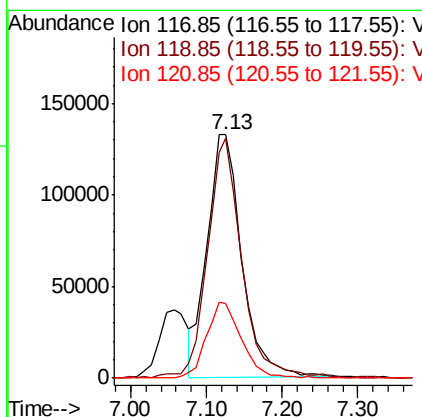
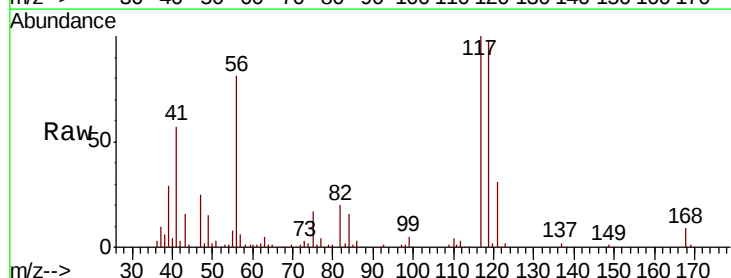
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 43 Resp: 118281
 Ion Ratio Lower Upper
 43 100
 61 13.9 9.0 13.6#
 70 8.0 6.9 10.3



#38
 Carbon Tetrachloride
 Concen: 20.494 ug/l
 RT: 7.13 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

Tgt Ion: 117 Resp: 421640
 Ion Ratio Lower Upper
 117 100
 119 98.4 74.2 111.2
 121 30.8 23.1 34.7

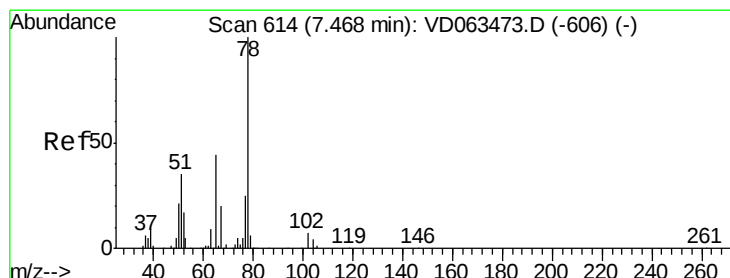
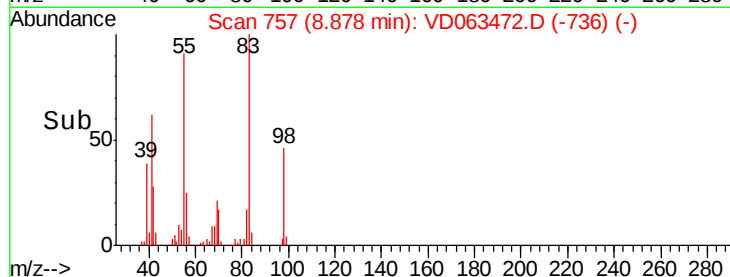
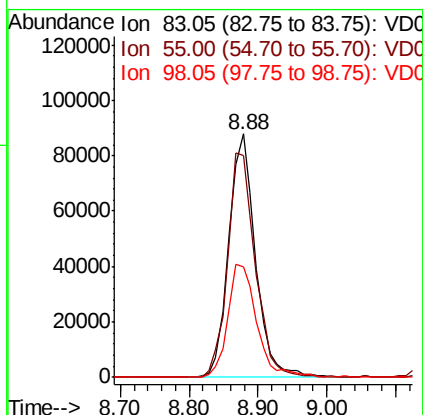
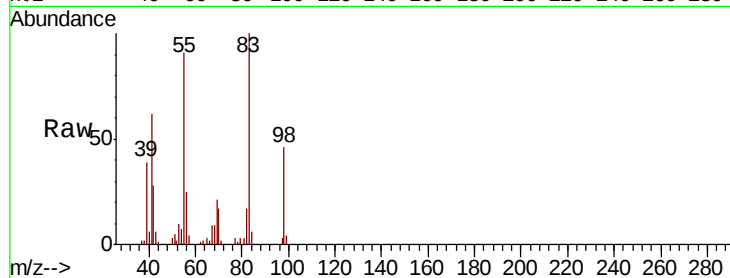




#39
Methylcyclohexane
Concen: 20.333 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

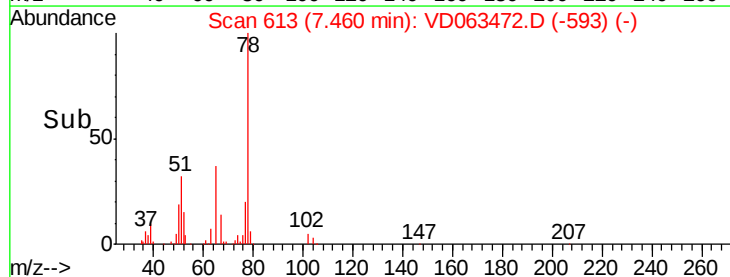
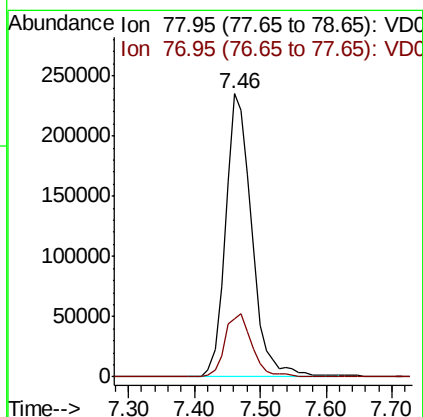
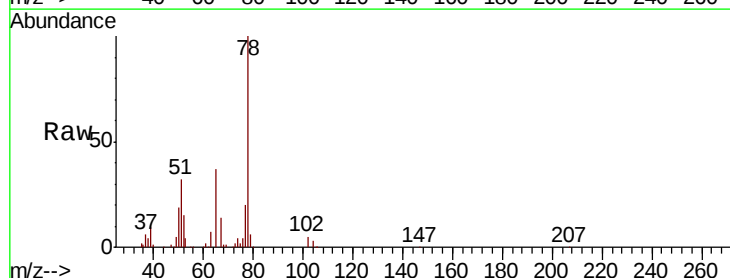
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

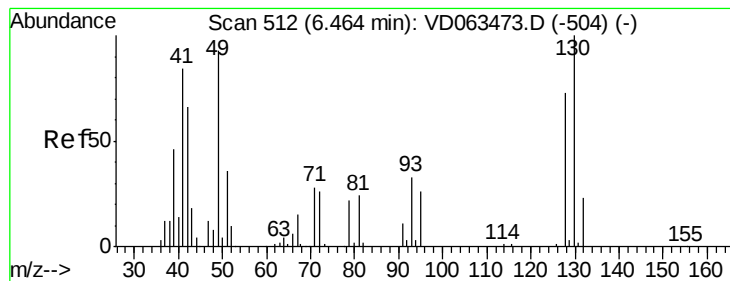
Tgt Ion: 83 Resp: 236026
Ion Ratio Lower Upper
83 100
55 91.1 76.6 114.8
98 45.6 39.4 59.0



#40
Benzene
Concen: 21.822 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Tgt Ion: 78 Resp: 655555
Ion Ratio Lower Upper
78 100
77 20.4 20.1 30.1





#41

Methacrylonitrile

Concen: 22.427 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 161527

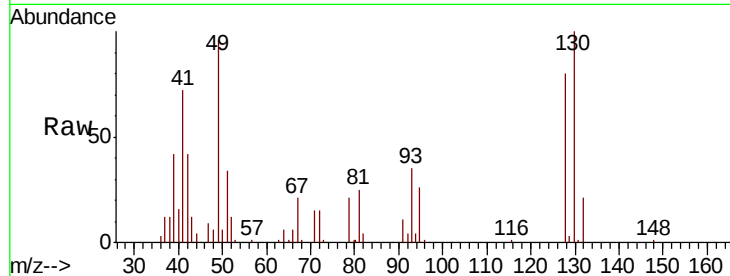
Ion Ratio Lower Upper

41 100

39 57.5 44.6 66.8

67 29.2 14.4 21.6#

52 16.1 9.3 13.9#

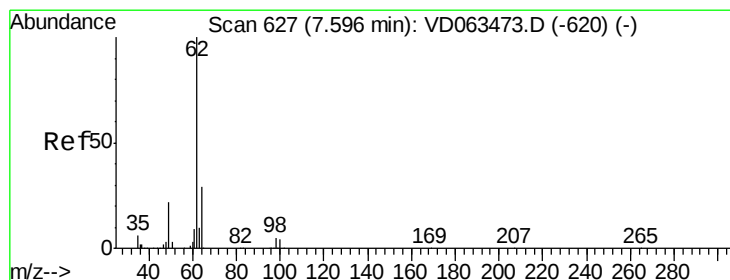
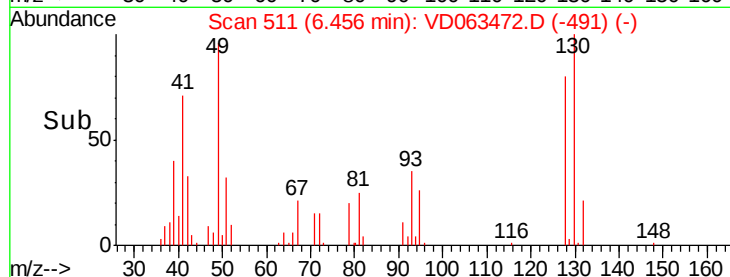
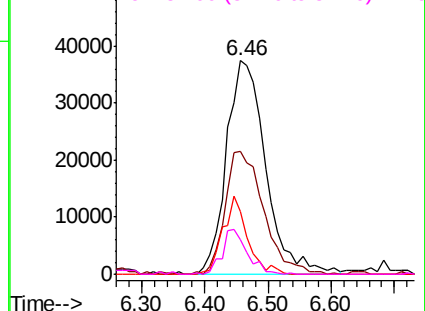


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 22.366 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.01 min

Lab File: VD063472.D

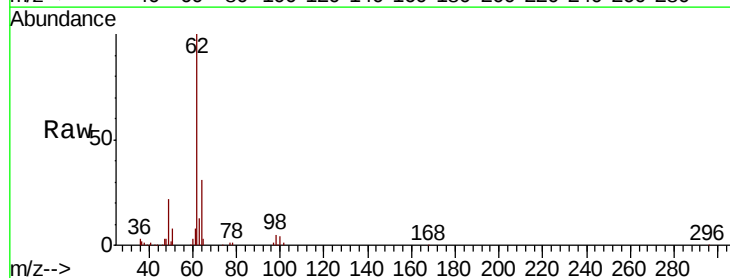
Acq: 9 Aug 2019 14:29

Tgt Ion: 62 Resp: 337852

Ion Ratio Lower Upper

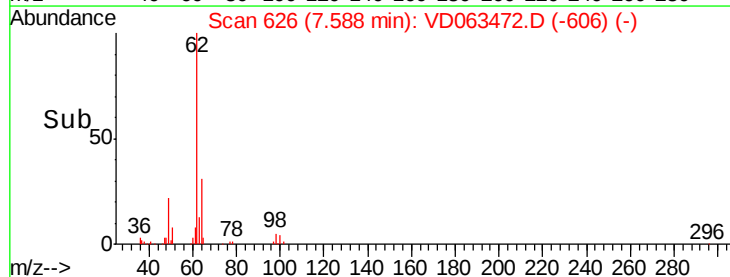
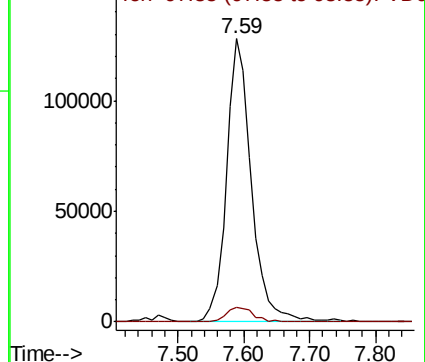
62 100

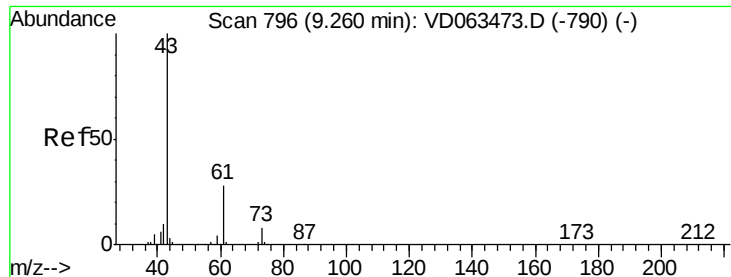
98 5.0 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 22.128 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

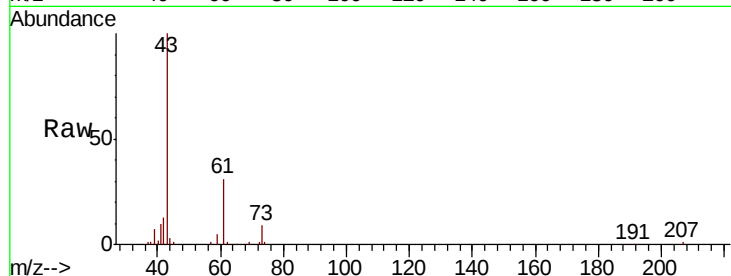
Tgt Ion: 43 Resp: 169530

Ion Ratio Lower Upper

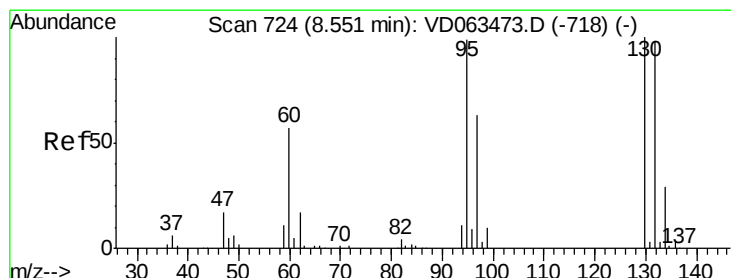
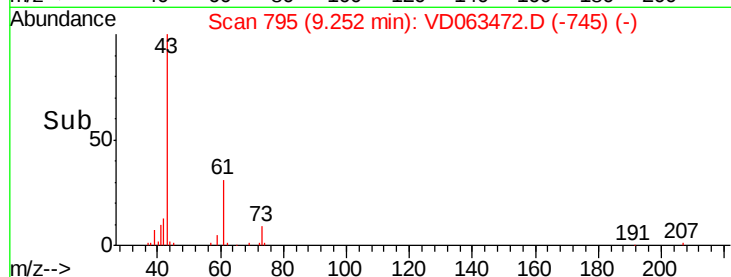
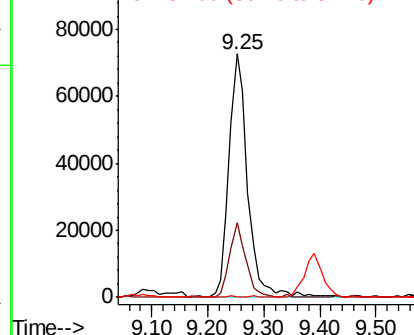
43 100

61 30.8 22.2 33.2

87 0.0 0.2 0.4#



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



#44

Trichloroethene

Concen: 21.922 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD063472.D

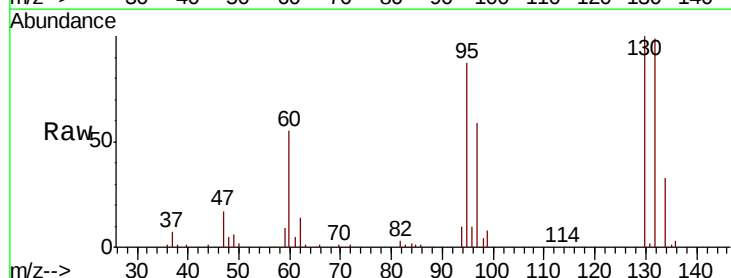
Acq: 9 Aug 2019 14:29

Tgt Ion: 130 Resp: 251789

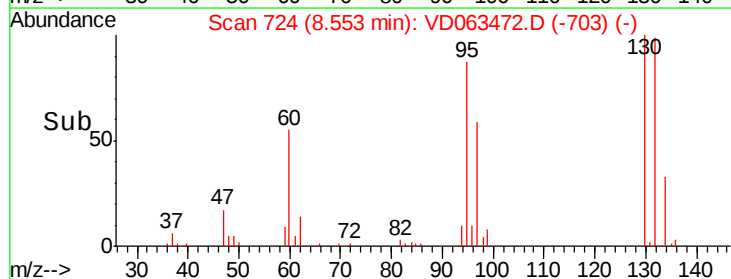
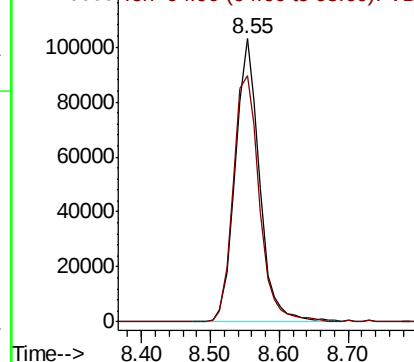
Ion Ratio Lower Upper

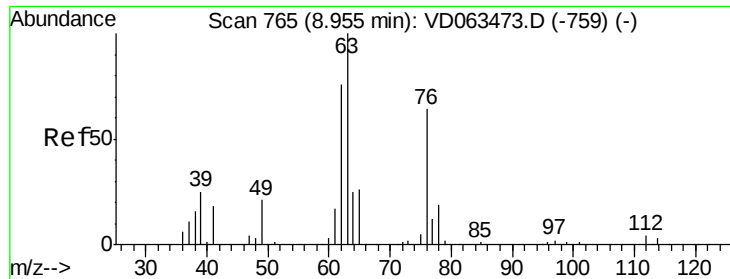
130 100

95 87.0 0.0 198.0



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





#45

1,2-Dichloropropane

Concen: 21.580 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

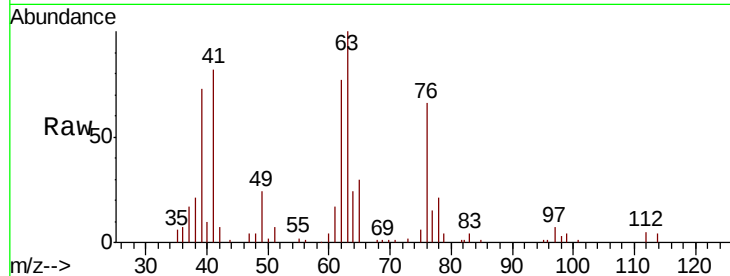
VSTDIC020

Tgt Ion: 63 Resp: 150971

Ion Ratio Lower Upper

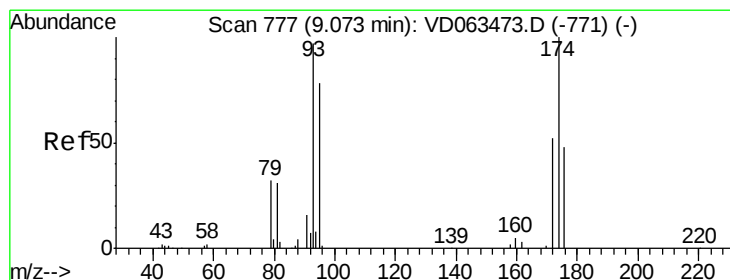
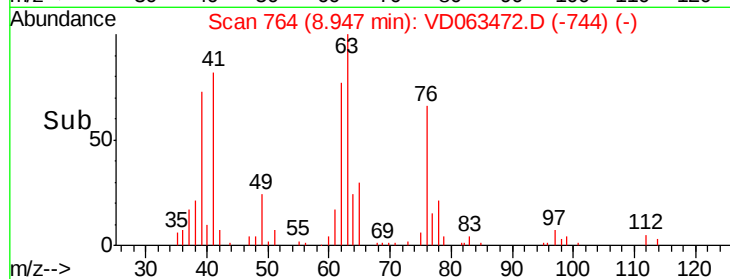
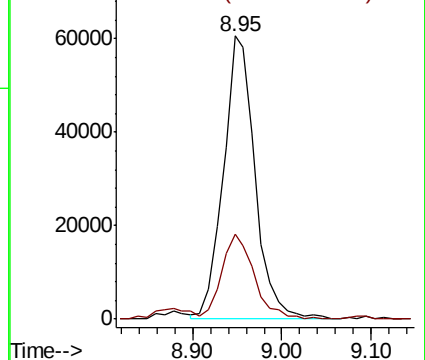
63 100

65 29.9 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.247 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

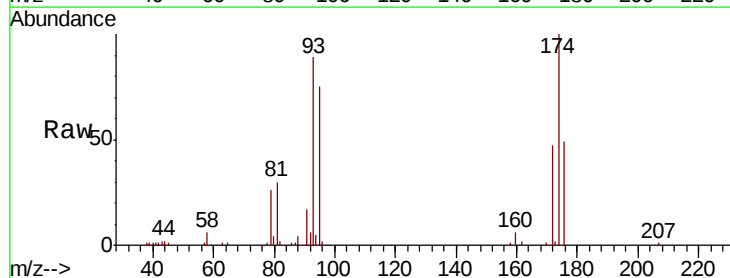
Tgt Ion: 93 Resp: 126941

Ion Ratio Lower Upper

93 100

95 83.7 64.2 96.2

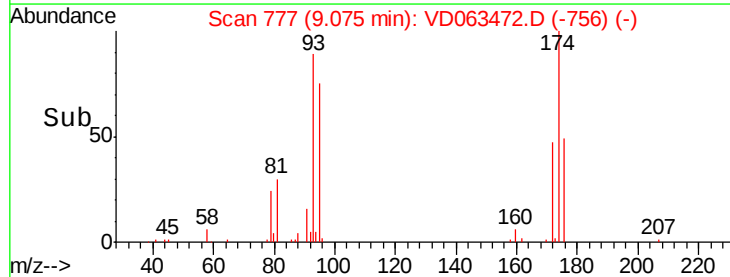
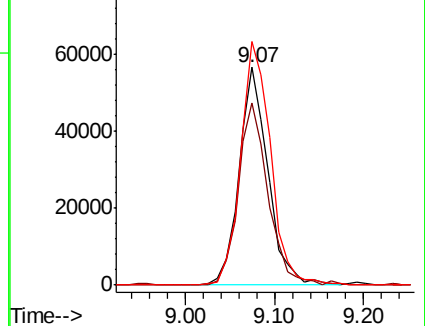
174 111.8 82.1 123.1

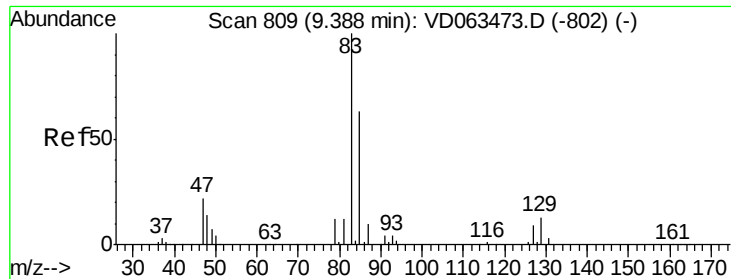


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.871 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

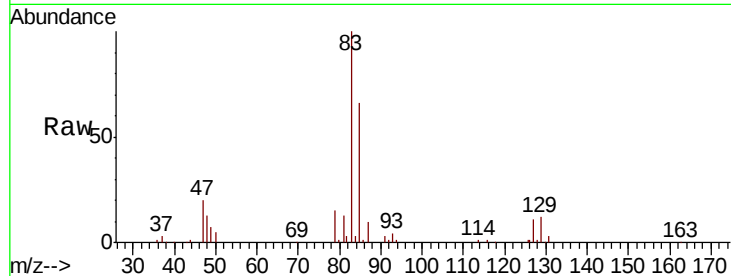
Tgt Ion: 83 Resp: 335166

Ion Ratio Lower Upper

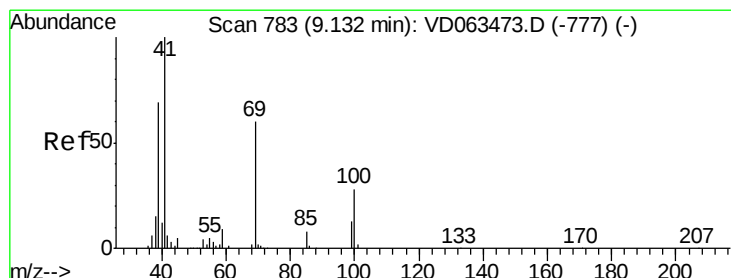
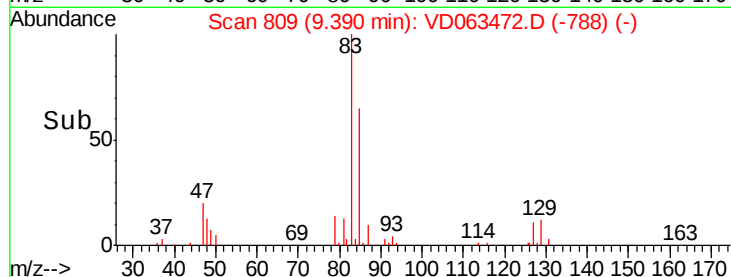
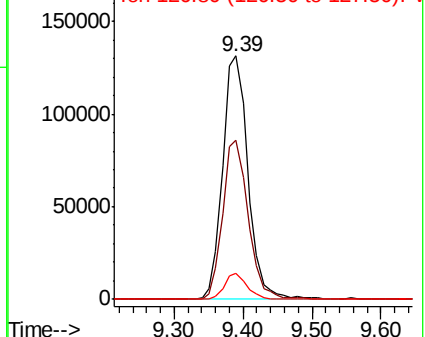
83 100

85 65.6 50.1 75.1

127 10.9 7.6 11.4



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



#48

Methyl methacrylate

Concen: 21.497 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

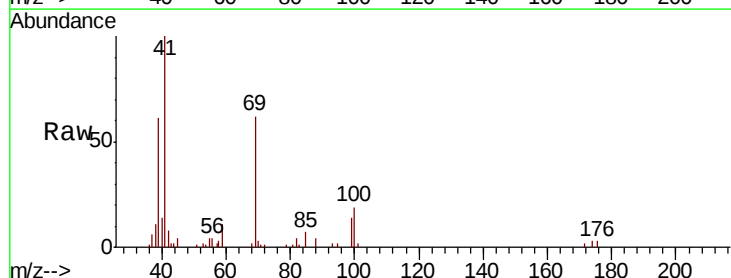
Tgt Ion: 41 Resp: 111693

Ion Ratio Lower Upper

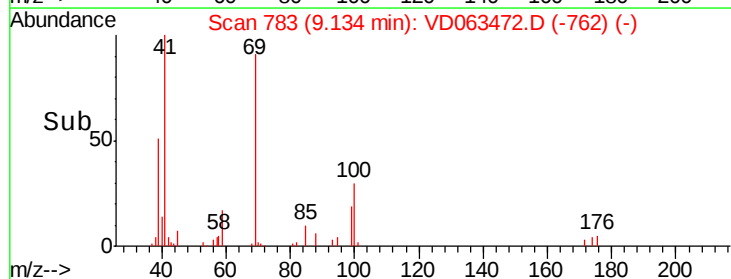
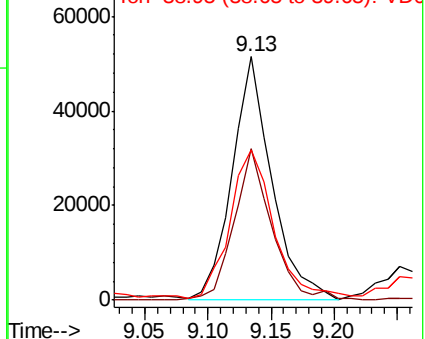
41 100

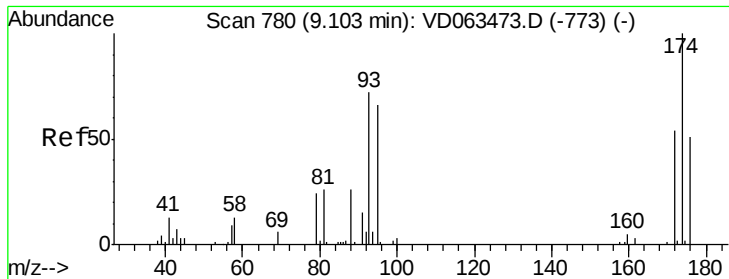
69 62.3 47.6 71.4

39 61.5 55.7 83.5



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

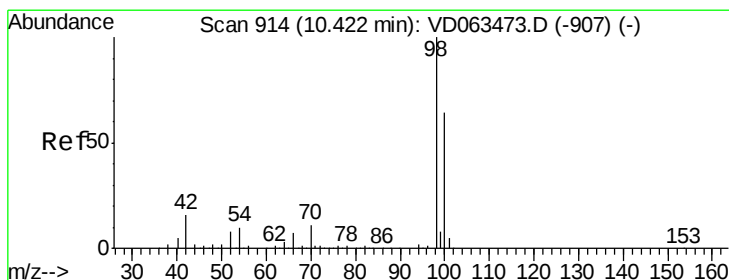
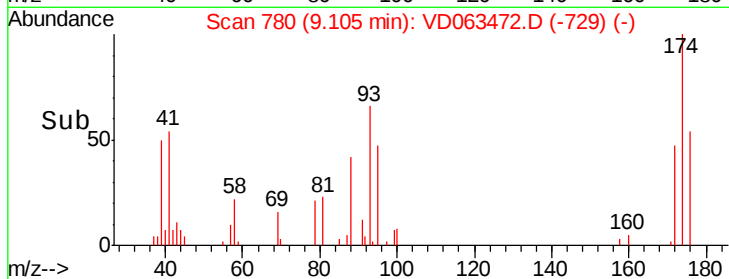
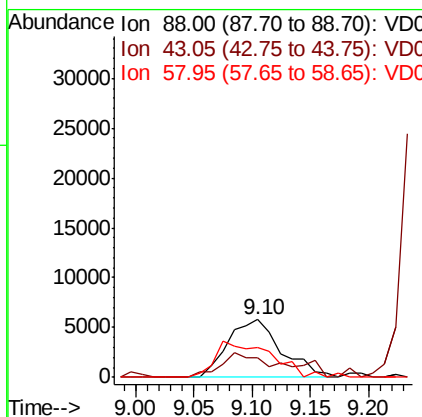
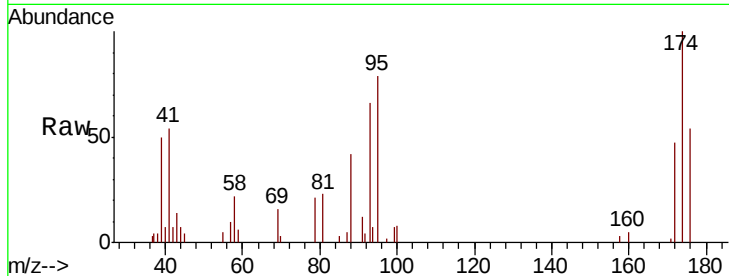




#49
 1,4-Dioxane
 Concen: 416.426 ug/l
 RT: 9.10 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

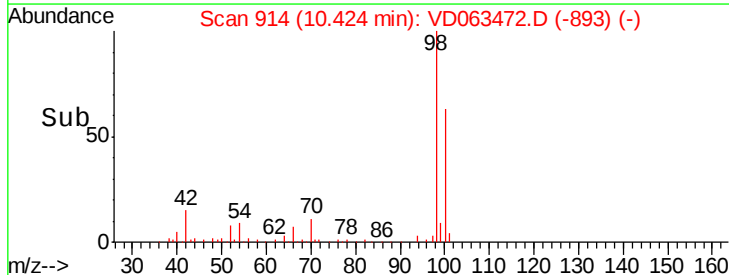
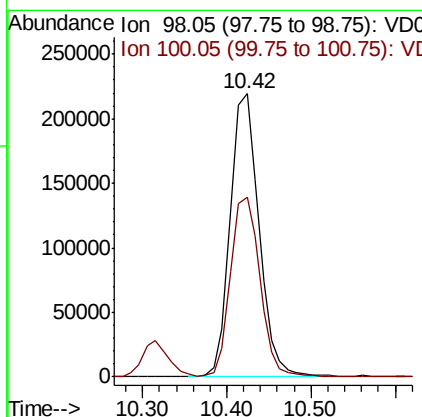
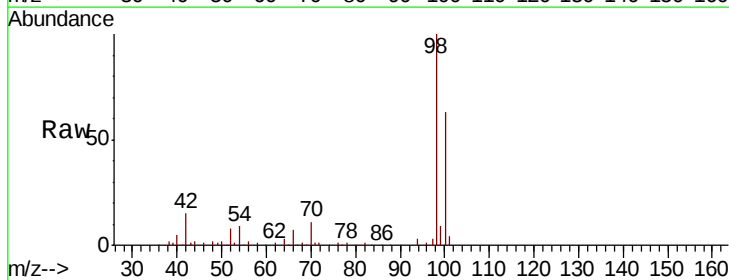
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

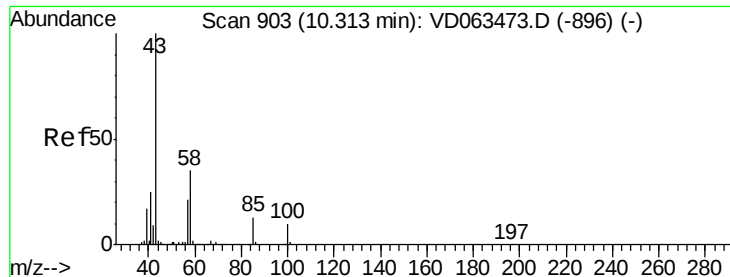
Tgt Ion: 88 Resp: 18411
 Ion Ratio Lower Upper
 88 100
 43 33.5 22.9 34.3
 58 51.3 40.1 60.1



#50
 Toluene-d8
 Concen: 18.336 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

Tgt Ion: 98 Resp: 524296
 Ion Ratio Lower Upper
 98 100
 100 63.4 51.7 77.5

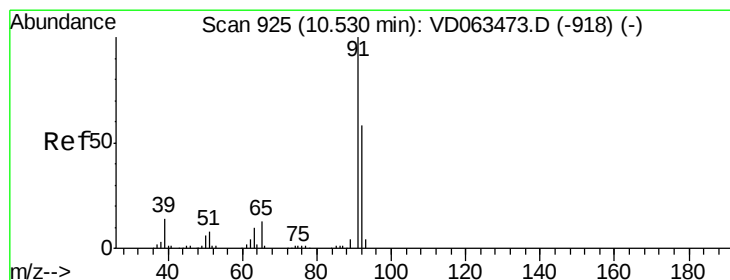
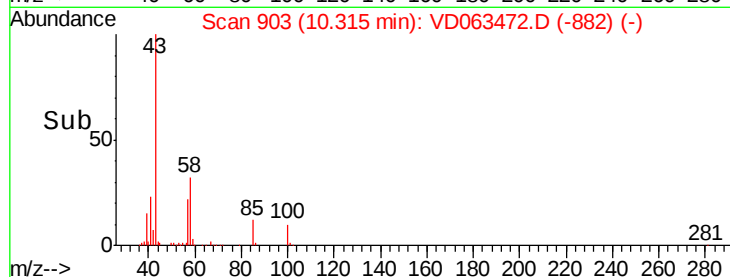
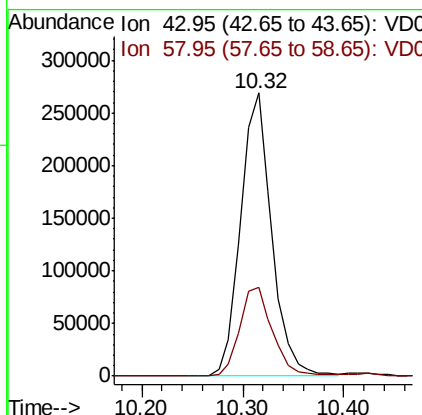
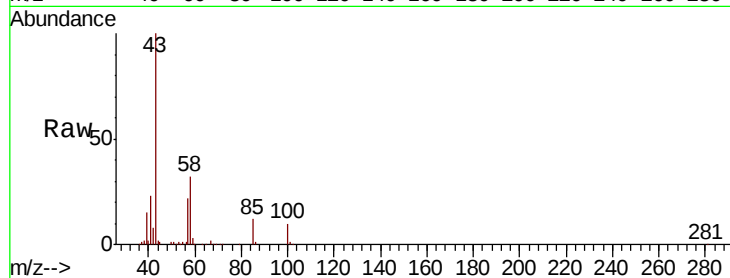




#51
 4-Methyl-2-Pentanone
 Concen: 110.063 ug/l
 RT: 10.32 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

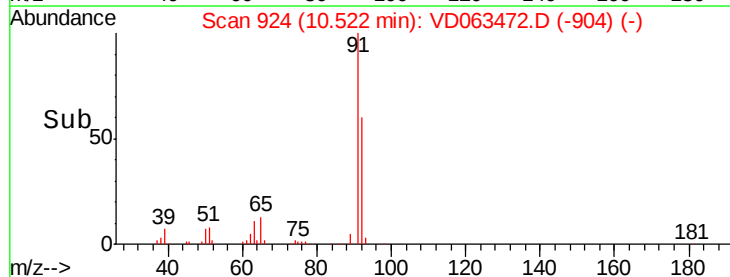
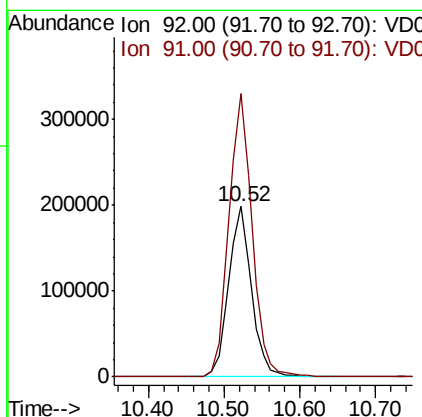
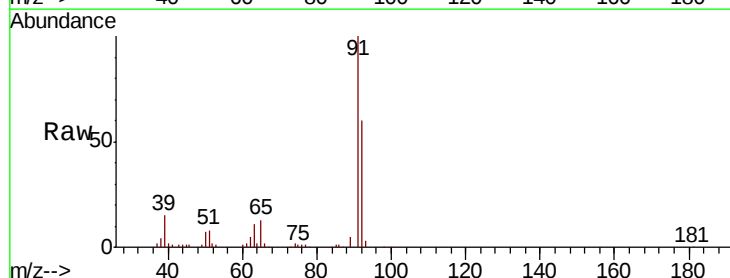
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

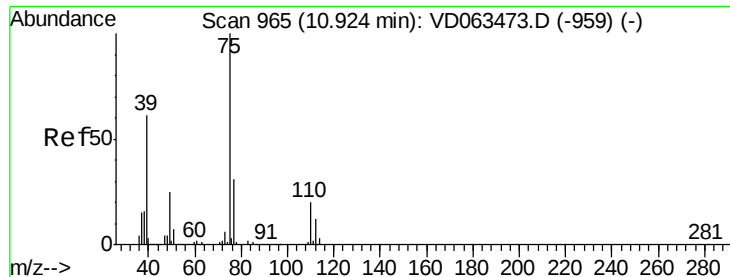
Tgt Ion: 43 Resp: 576997
 Ion Ratio Lower Upper
 43 100
 58 31.6 28.0 42.0



#52
 Toluene
 Concen: 21.351 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

Tgt Ion: 92 Resp: 413141
 Ion Ratio Lower Upper
 92 100
 91 165.9 137.9 206.9

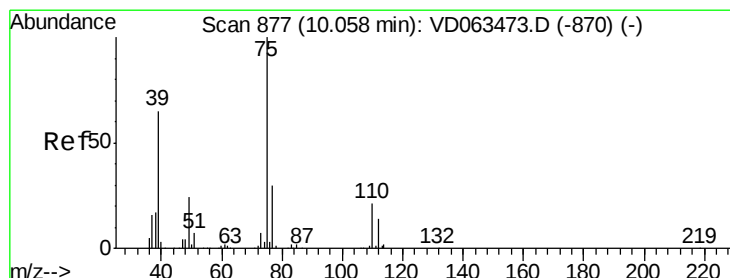
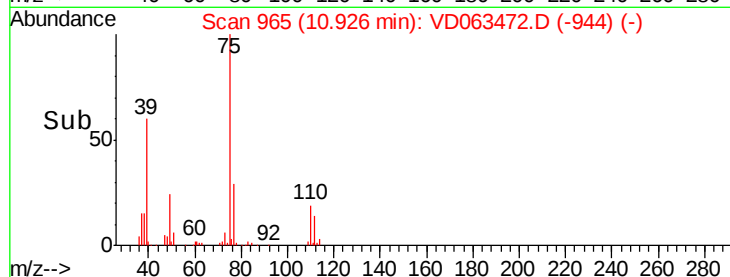
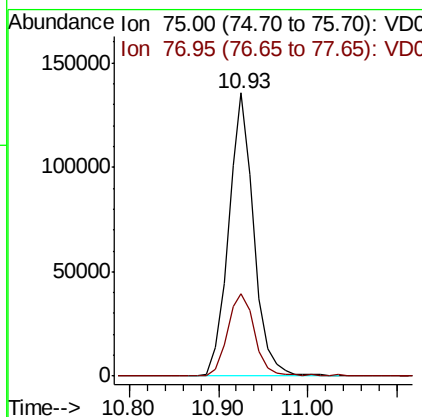
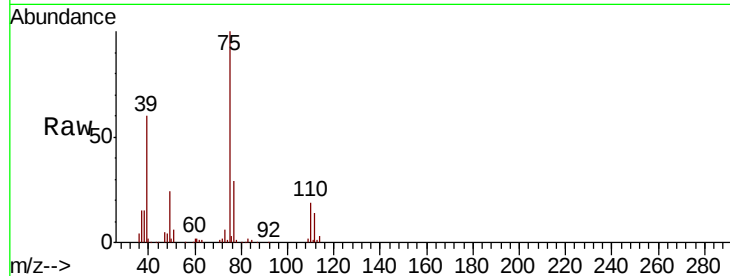




#53
 t-1,3-Dichloropropene
 Concen: 21.461 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

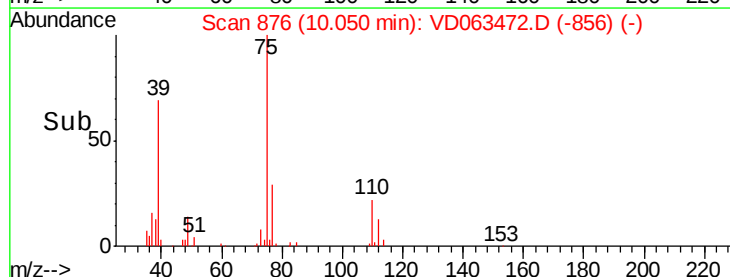
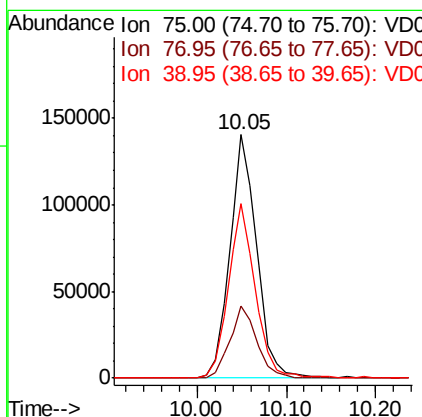
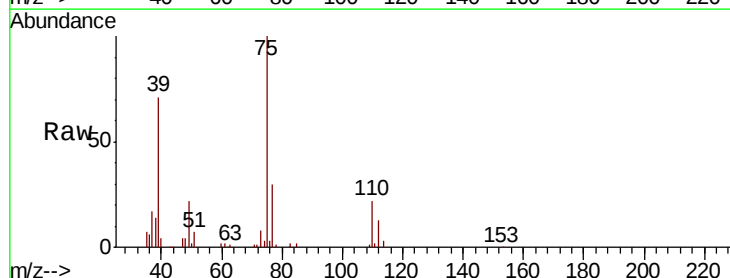
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

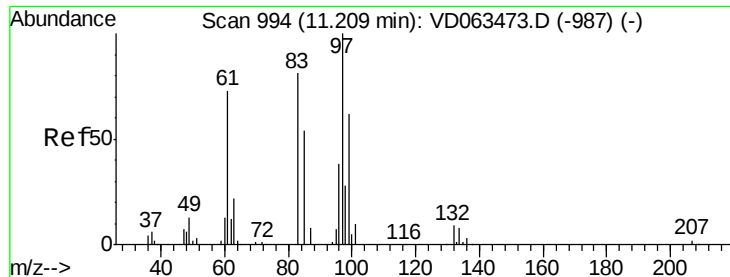
Tgt Ion: 75 Resp: 268404
 Ion Ratio Lower Upper
 75 100
 77 29.2 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 20.976 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

Tgt Ion: 75 Resp: 295805
 Ion Ratio Lower Upper
 75 100
 77 29.8 23.7 35.5
 39 71.4 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 22.315 ug/l

RT: 11.20 min Scan# 993

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 145856

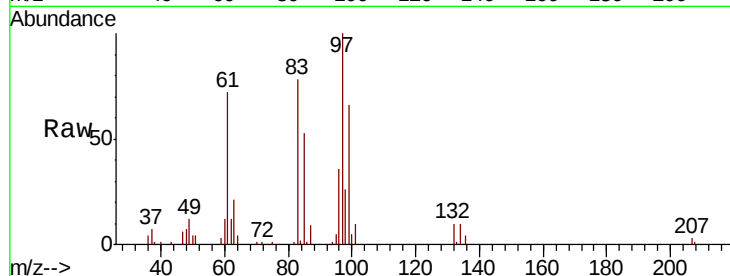
Ion Ratio Lower Upper

97 100

83 78.5 64.7 97.1

85 52.7 42.9 64.3

99 66.1 49.7 74.5

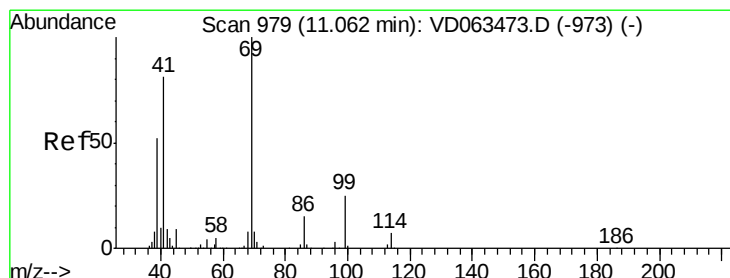
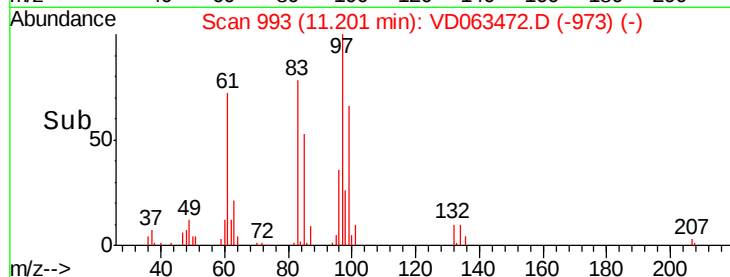
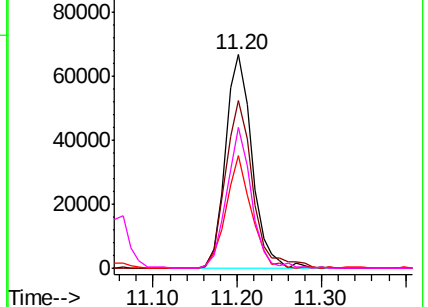


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.486 ug/l

RT: 11.05 min Scan# 978

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

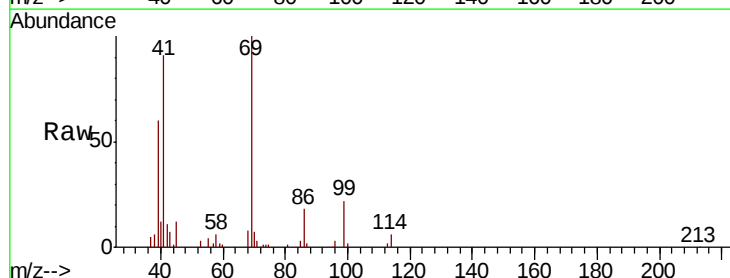
Tgt Ion: 69 Resp: 152430

Ion Ratio Lower Upper

69 100

41 90.6 64.8 97.2

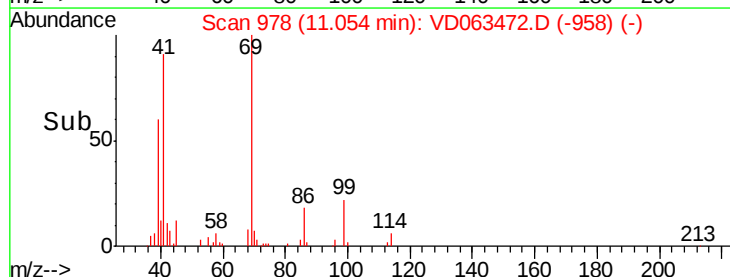
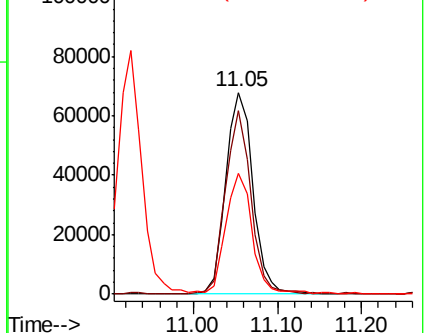
39 59.7 42.4 63.6

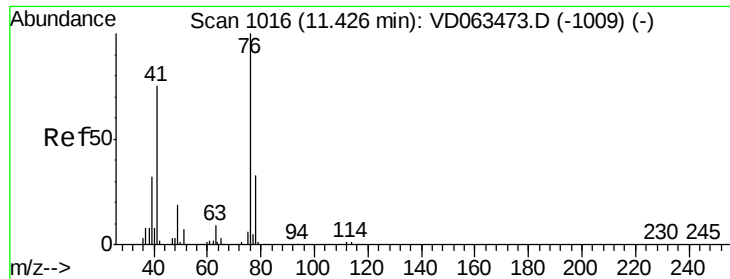


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

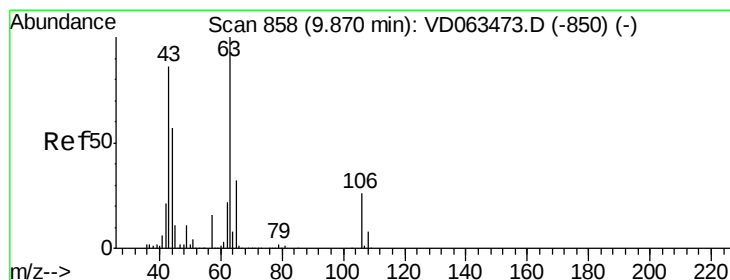
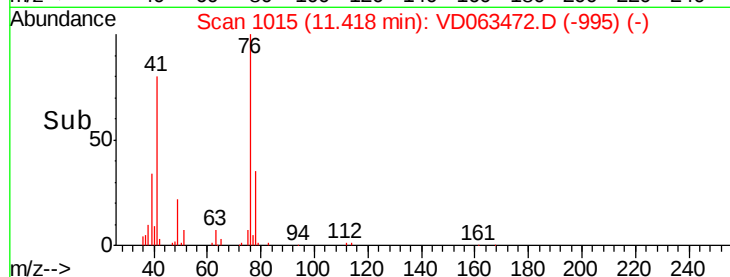
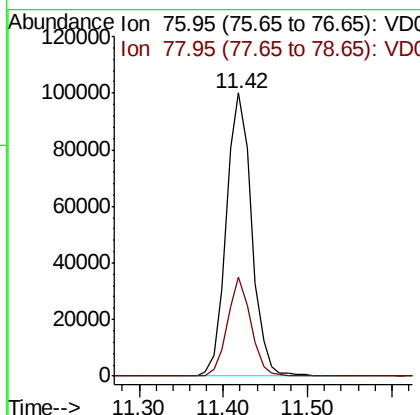
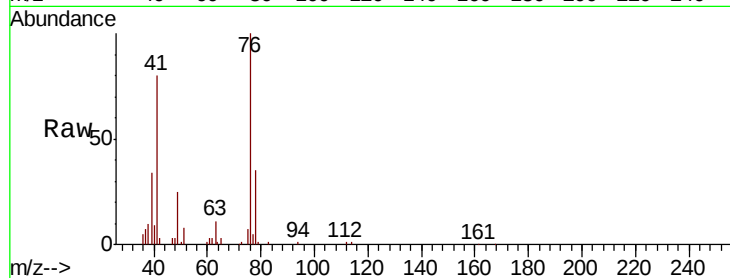




#57
 1,3-Dichloropropane
 Concen: 21.158 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

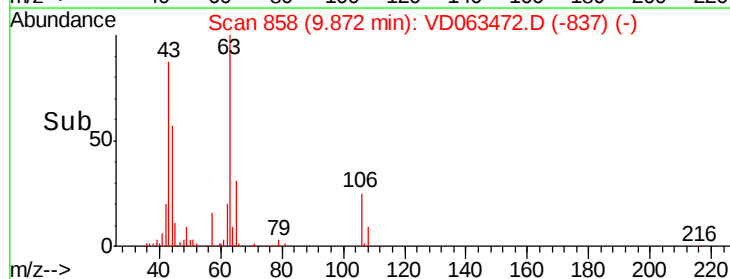
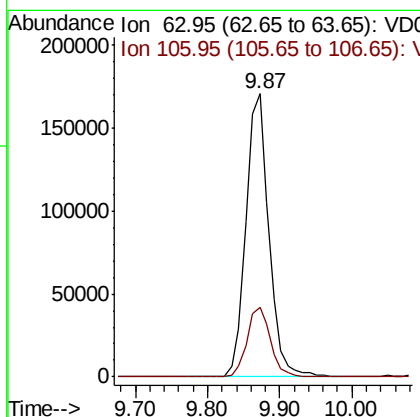
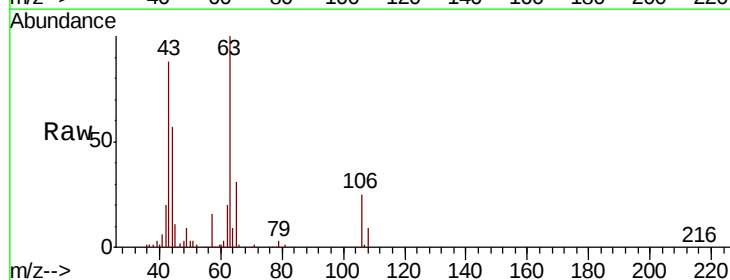
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

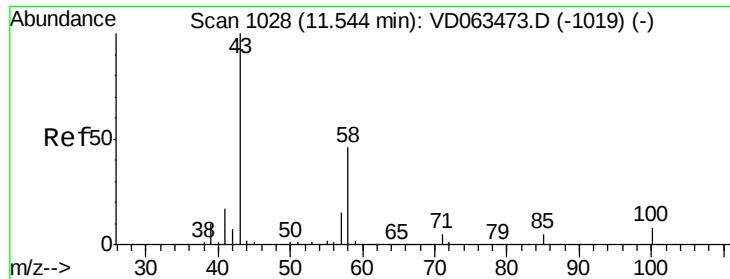
Tgt Ion: 76 Resp: 209043
 Ion Ratio Lower Upper
 76 100
 78 35.0 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.686 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

Tgt Ion: 63 Resp: 380852
 Ion Ratio Lower Upper
 63 100
 106 24.6 20.8 31.2

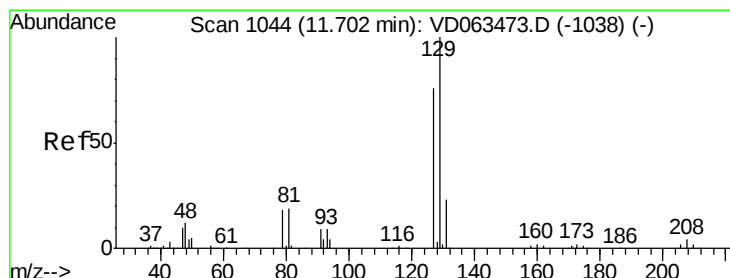
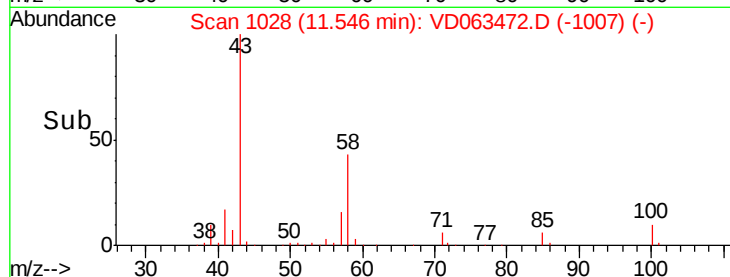
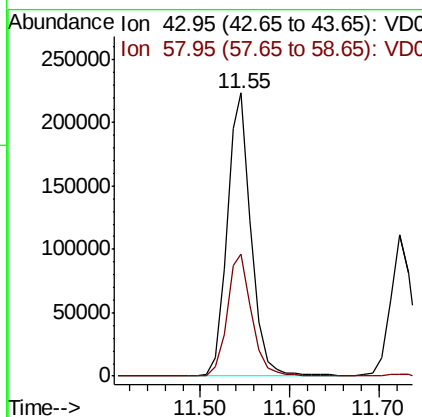
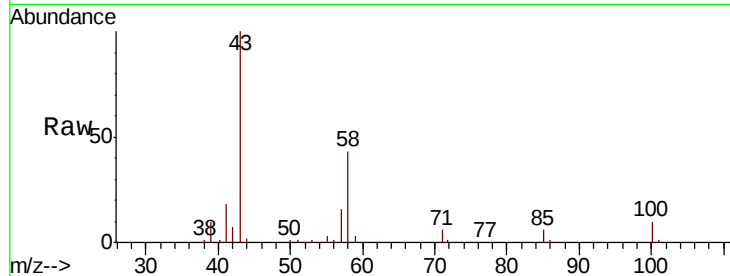




#59
2-Hexanone
Concen: 110.306 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

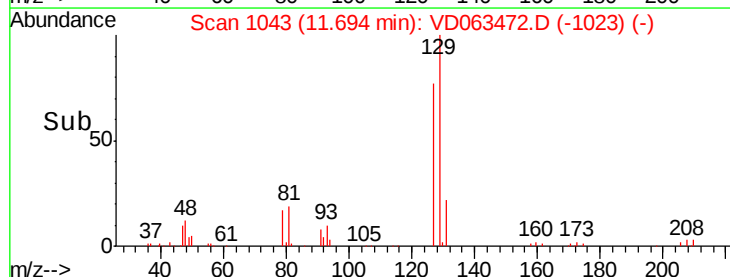
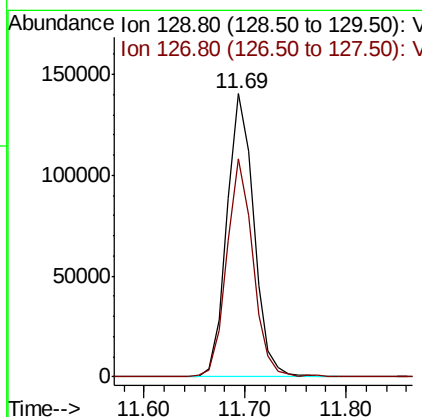
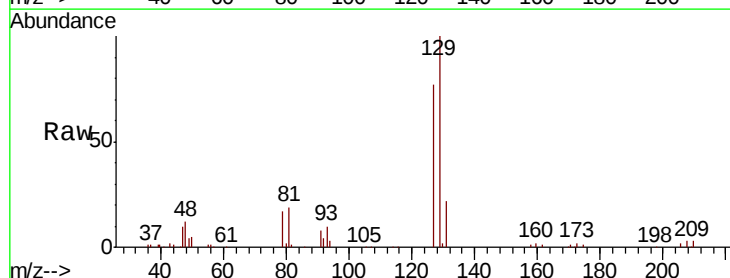
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

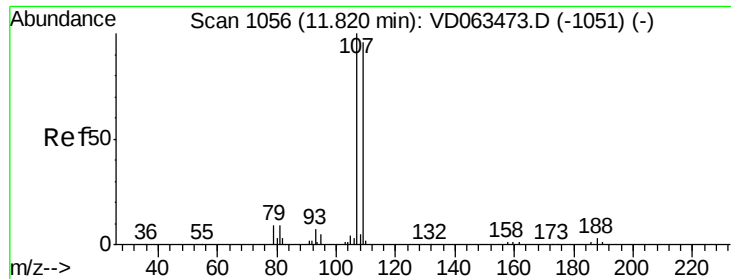
Tgt Ion: 43 Resp: 420765
Ion Ratio Lower Upper
43 100
58 43.1 23.1 69.2



#60
Dibromochloromethane
Concen: 21.856 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Tgt Ion: 129 Resp: 259948
Ion Ratio Lower Upper
129 100
127 77.2 37.8 113.4

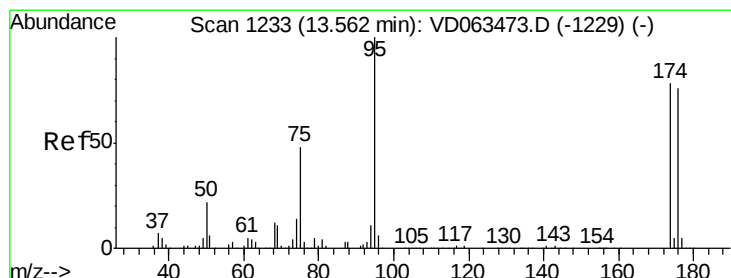
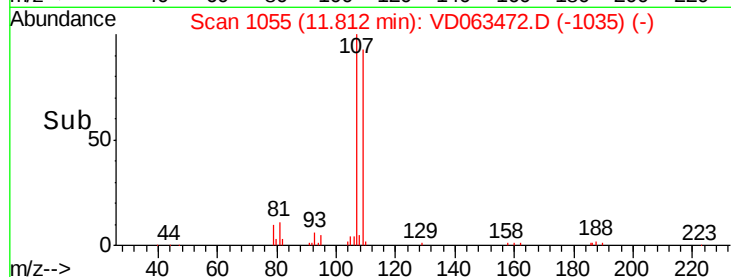
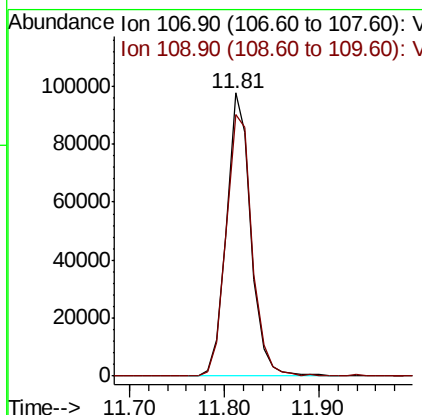
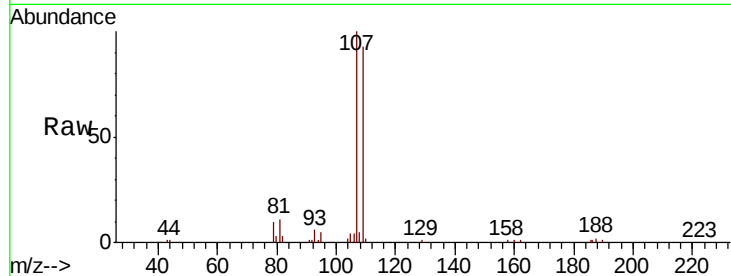




#61
 1,2-Dibromoethane
 Concen: 21.949 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

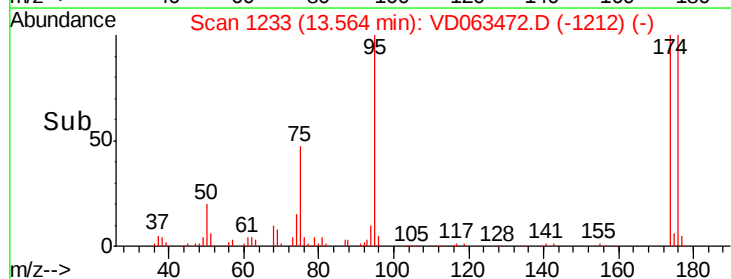
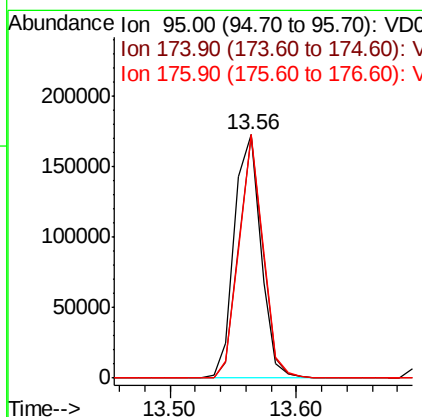
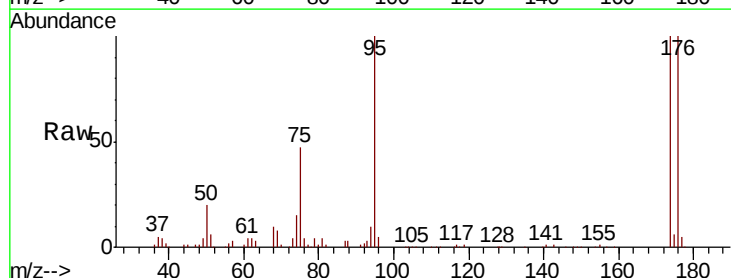
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tgt Ion: 107 Resp: 173674
 Ion Ratio Lower Upper
 107 100
 109 92.6 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 19.332 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

Tgt Ion: 95 Resp: 250535
 Ion Ratio Lower Upper
 95 100
 174 99.5 0.0 155.4
 176 99.8 0.0 152.4

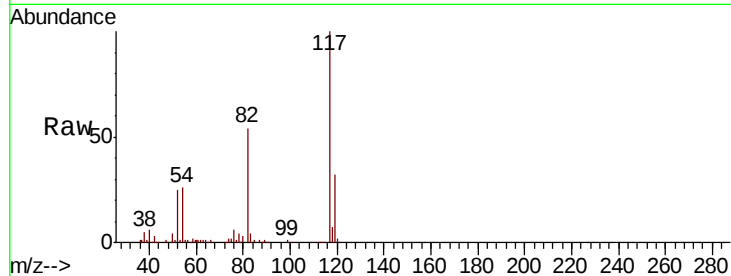




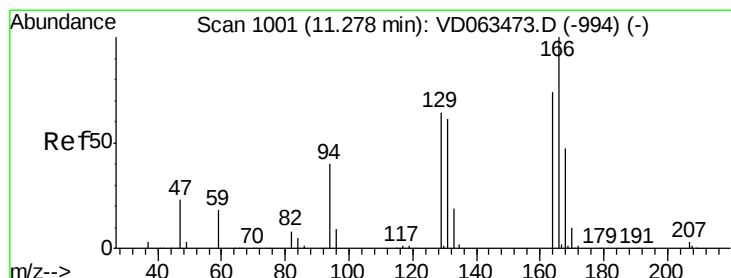
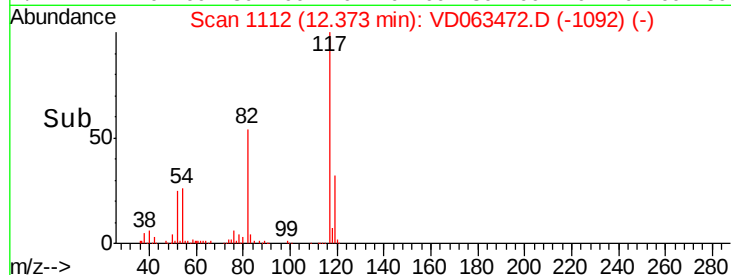
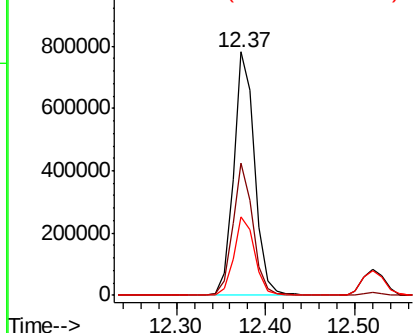
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 1290181
Ion Ratio Lower Upper
117 100
82 54.4 42.0 63.0
119 32.3 25.4 38.0

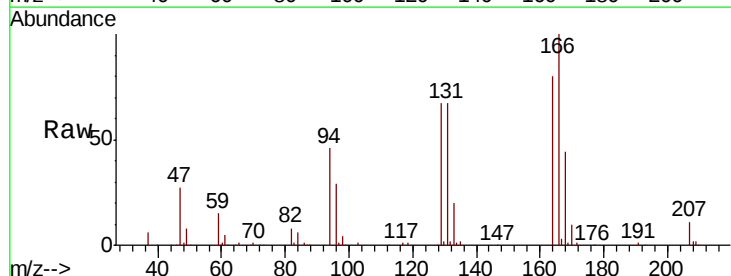


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

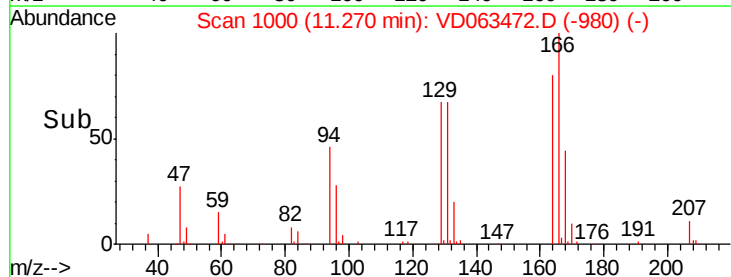
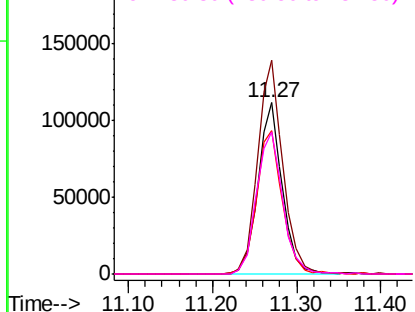


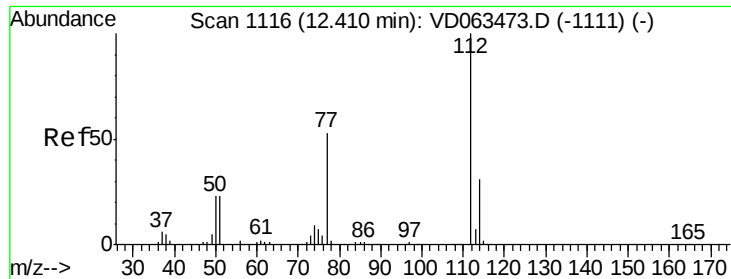
#64
Tetrachloroethene
Concen: 22.661 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Tgt Ion:164 Resp: 225700
Ion Ratio Lower Upper
164 100
166 124.7 108.6 163.0
129 83.4 69.0 103.6
131 83.3 66.6 99.8



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





#65

Chlorobenzene

Concen: 21.370 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

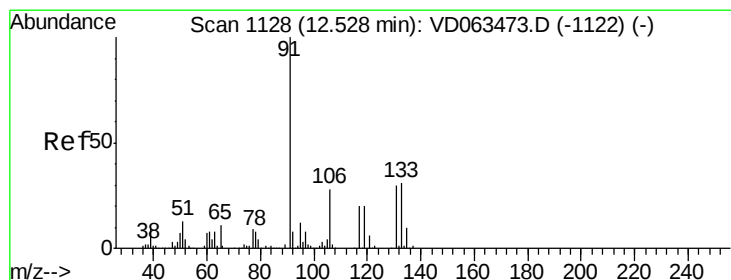
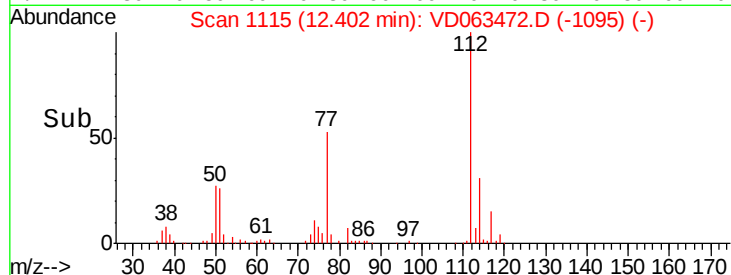
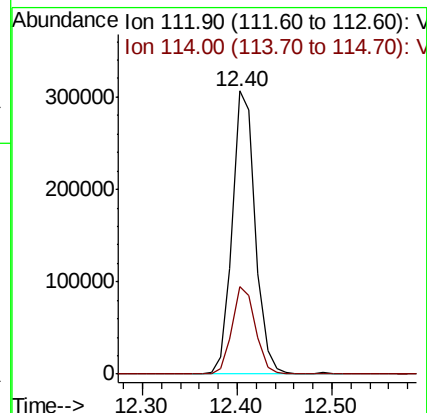
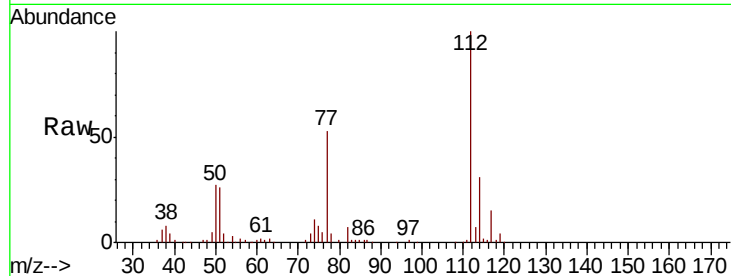
VSTDIC020

Tgt Ion:112 Resp: 516758

Ion Ratio Lower Upper

112 100

114 31.0 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 22.358 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

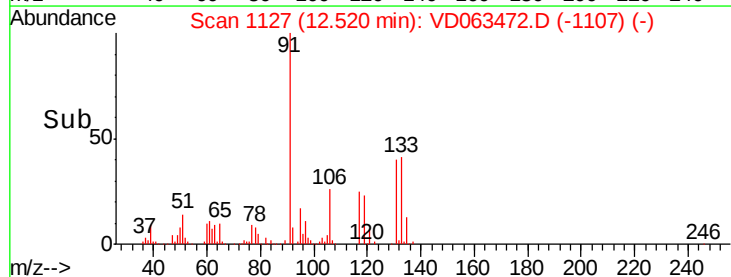
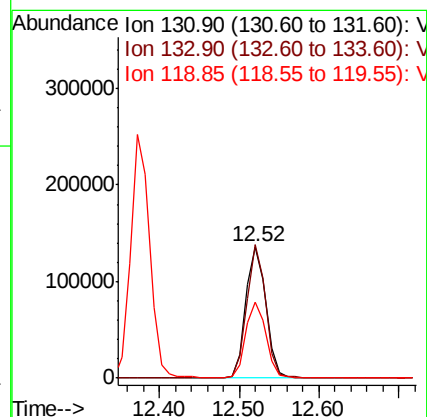
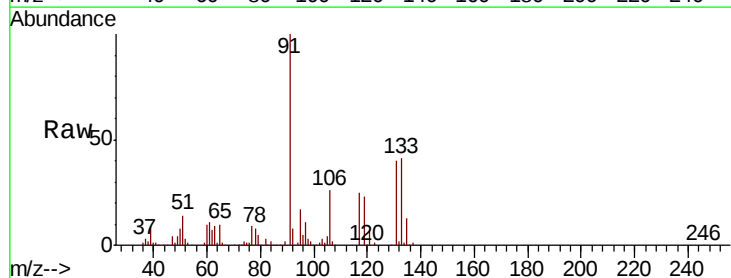
Tgt Ion:131 Resp: 237931

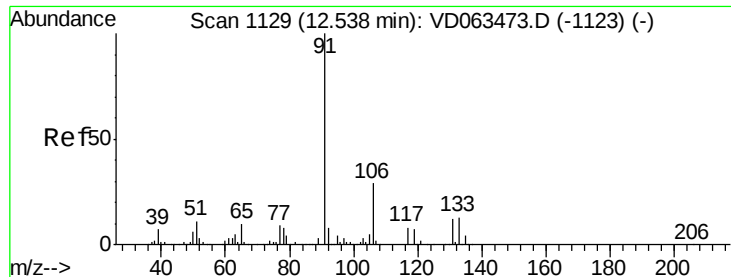
Ion Ratio Lower Upper

131 100

133 102.4 51.1 153.3

119 58.0 33.1 99.3

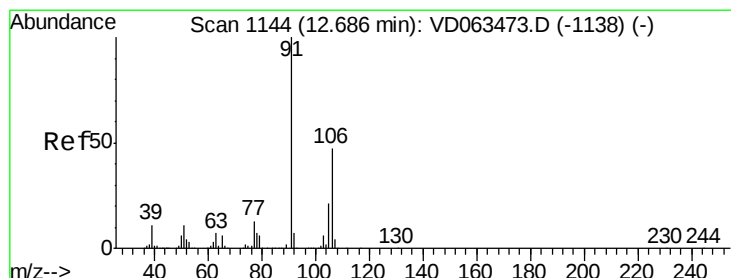
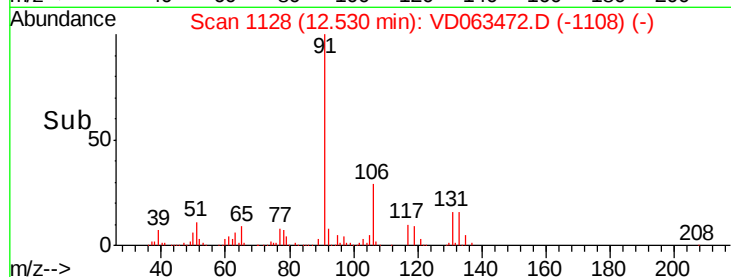
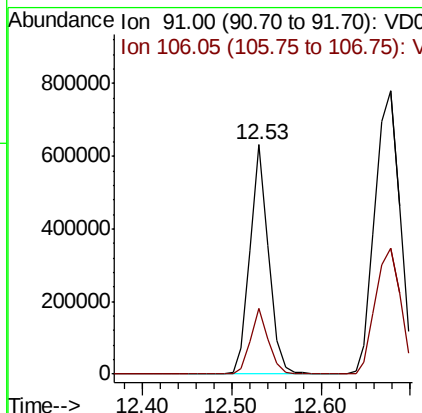
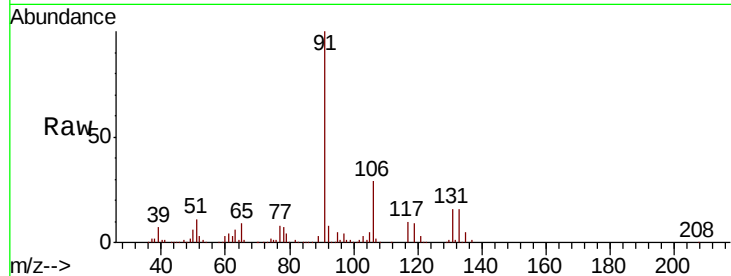




#67
Ethyl Benzene
Concen: 21.501 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

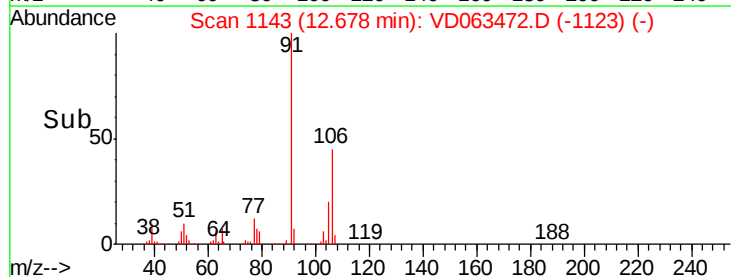
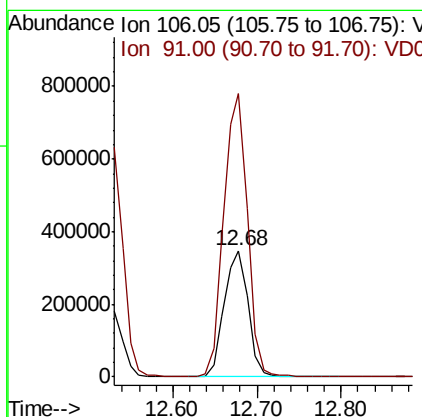
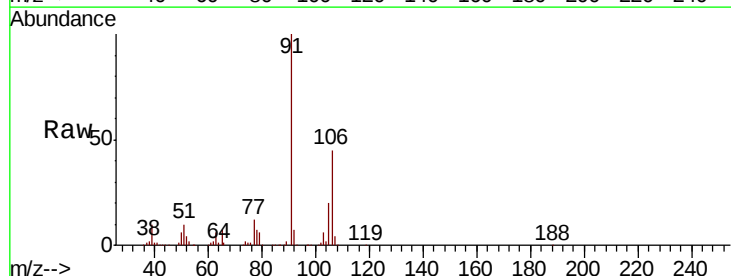
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

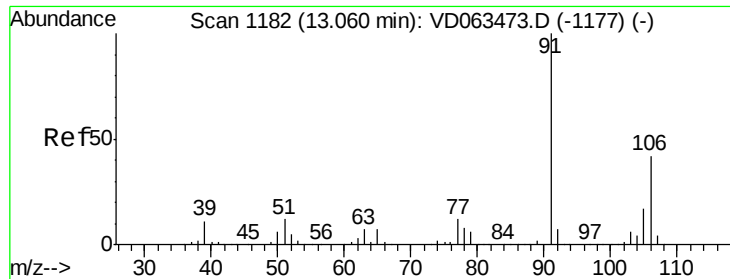
Tgt Ion: 91 Resp: 903999
Ion Ratio Lower Upper
91 100
106 28.7 23.1 34.7



#68
m/p-Xylenes
Concen: 46.221 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Tgt Ion: 106 Resp: 682760
Ion Ratio Lower Upper
106 100
91 223.8 171.8 257.8

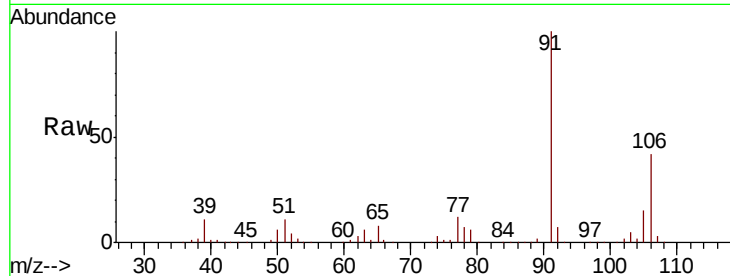




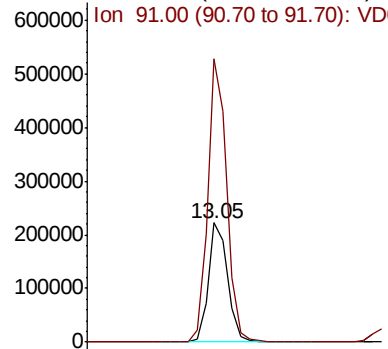
#69
o-Xylene
Concen: 23.746 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

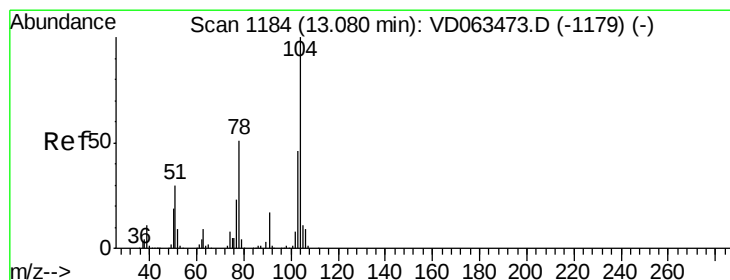
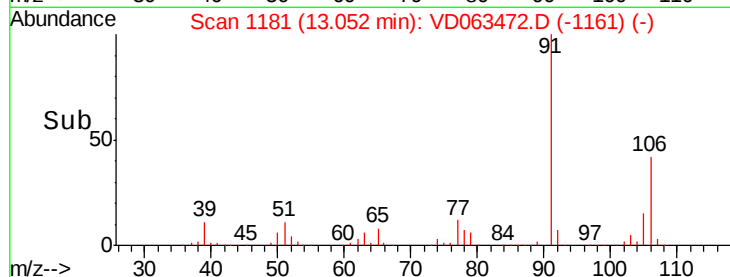
Tgt Ion:106 Resp: 337601
Ion Ratio Lower Upper
106 100
91 237.5 118.1 354.2



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

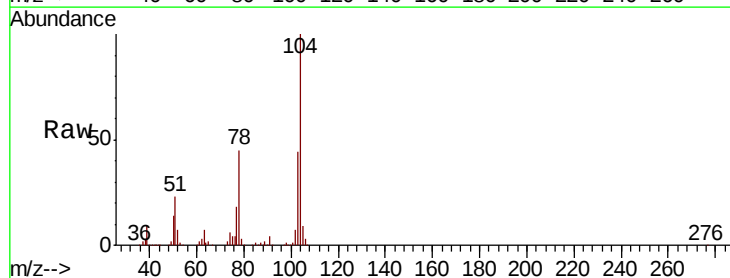


Time-->

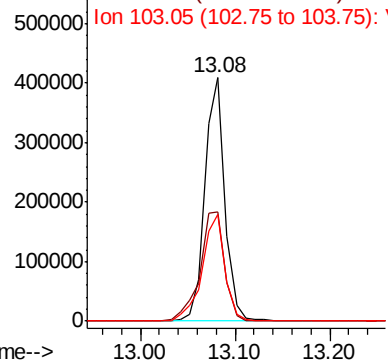


#70
Styrene
Concen: 23.497 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

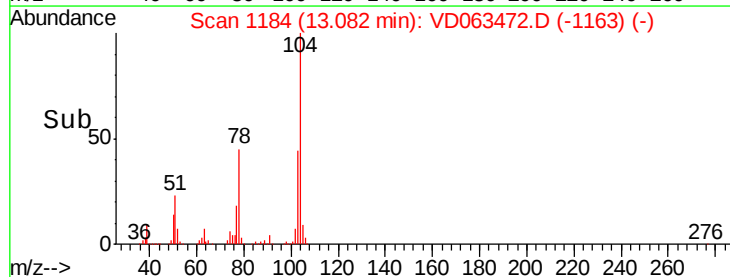
Tgt Ion:104 Resp: 594215
Ion Ratio Lower Upper
104 100
78 44.7 40.8 61.2
103 43.8 36.4 54.6

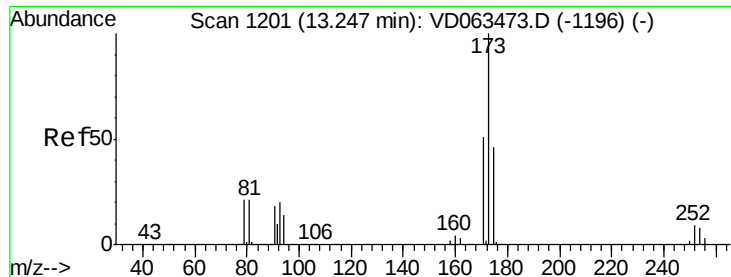


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time-->

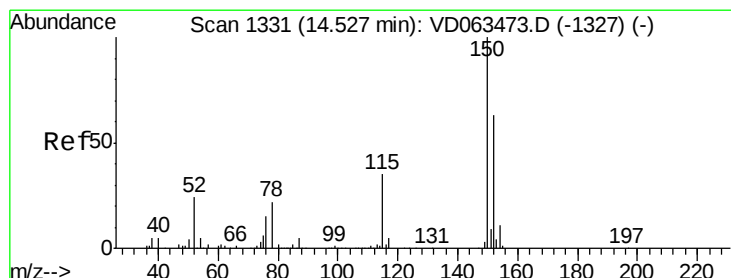
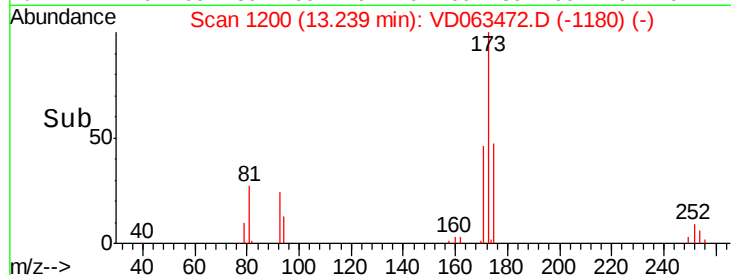
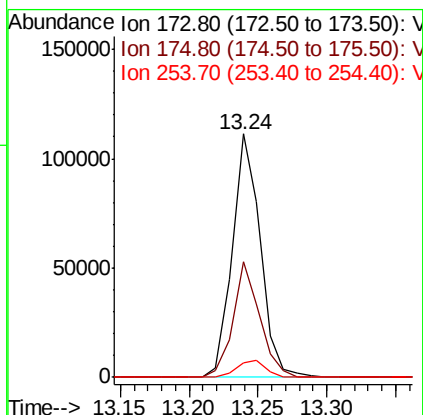
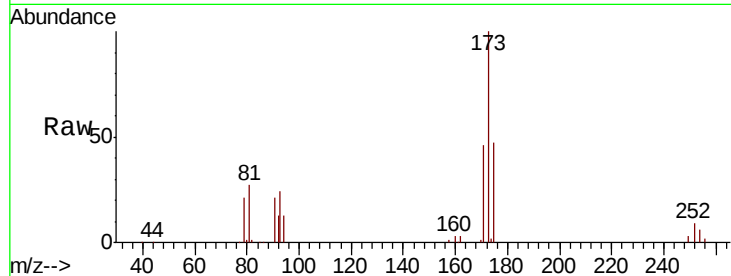




#71
Bromoform
Concen: 21.528 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

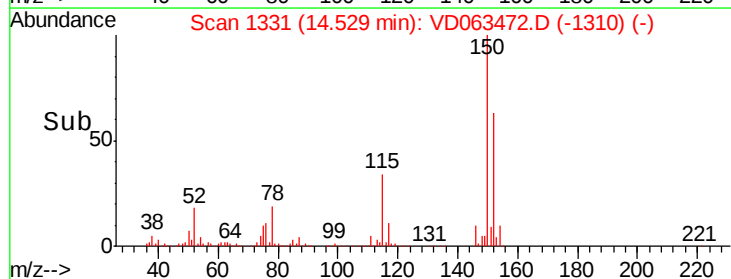
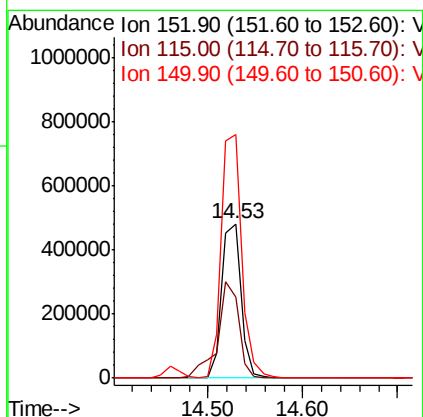
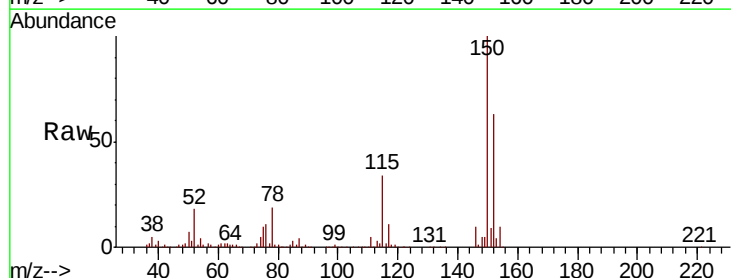
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:173 Resp: 157093
Ion Ratio Lower Upper
173 100
175 47.5 22.8 68.3
254 6.0 6.6 9.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Tgt Ion:152 Resp: 682588
Ion Ratio Lower Upper
152 100
115 52.9 30.9 92.7
150 157.6 0.0 318.6





#73

Isopropylbenzene

Concen: 21.662 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

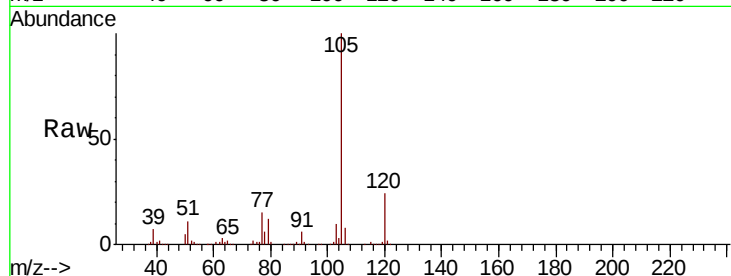
VSTDIC020

Tgt Ion: 105 Resp: 940497

Ion Ratio Lower Upper

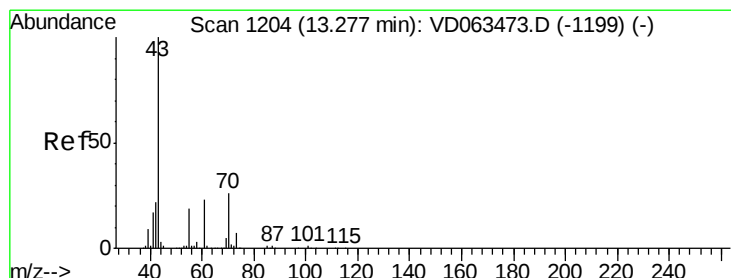
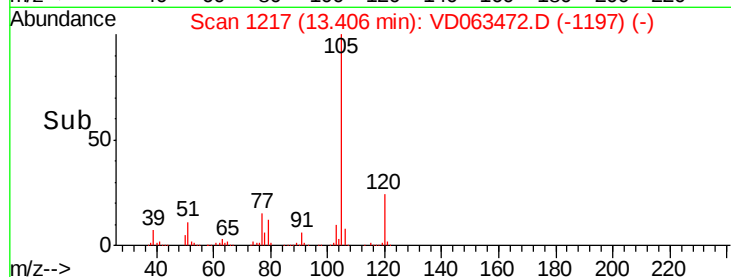
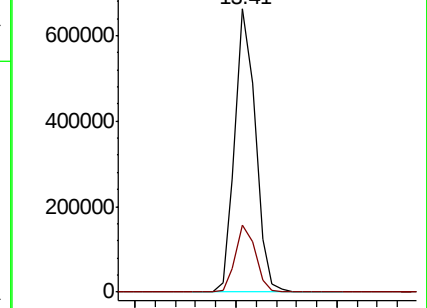
105 100

120 23.6 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.982 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Tgt Ion: 43 Resp: 228684

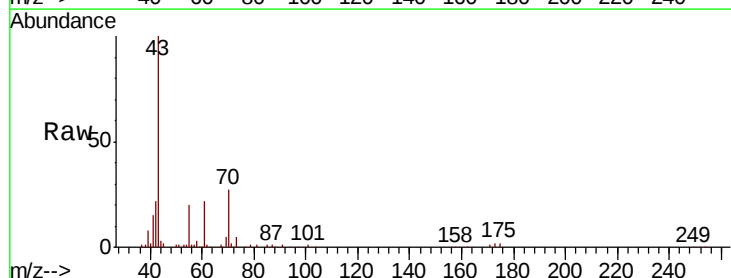
Ion Ratio Lower Upper

43 100

70 26.8 21.1 31.7

55 20.0 15.4 23.0

61 22.3 18.2 27.2

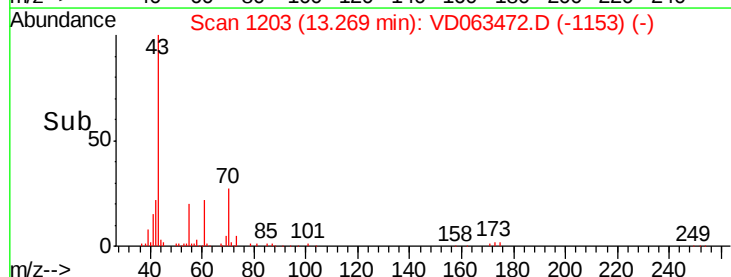
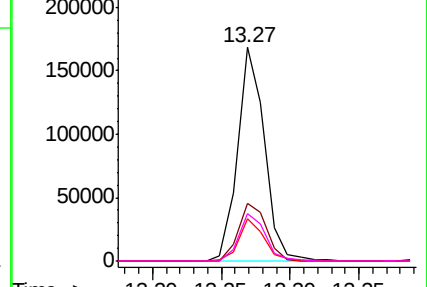


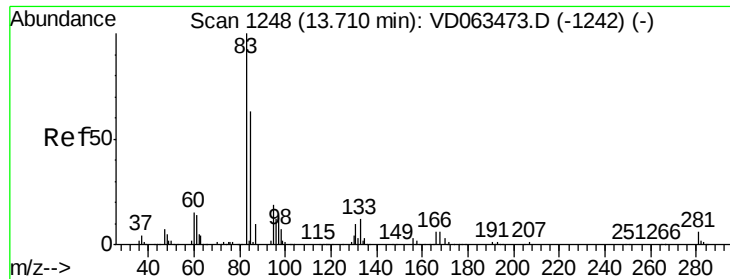
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.392 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

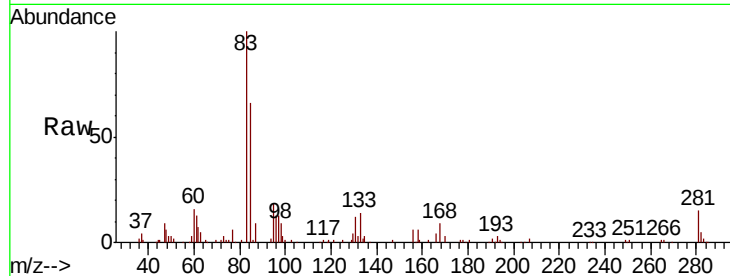
Tgt Ion: 83 Resp: 154156

Ion Ratio Lower Upper

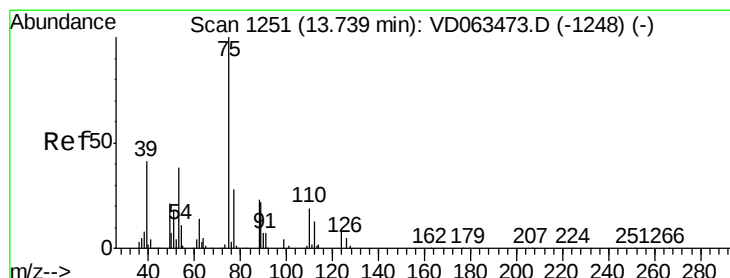
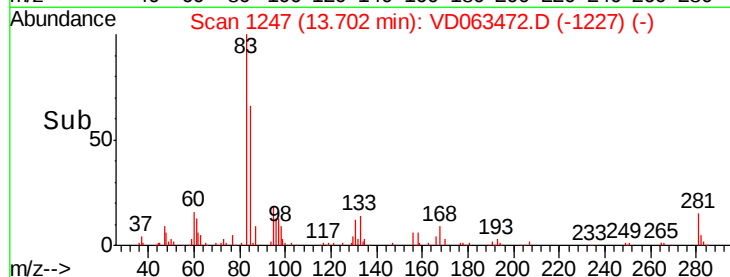
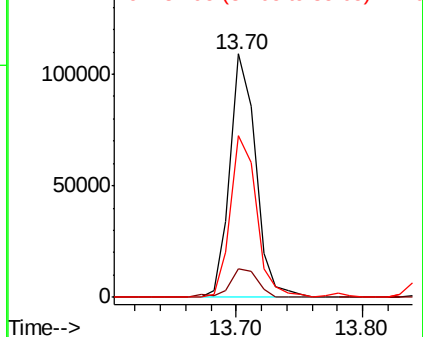
83 100

131 11.8 5.3 15.8

85 66.2 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.293 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD063472.D

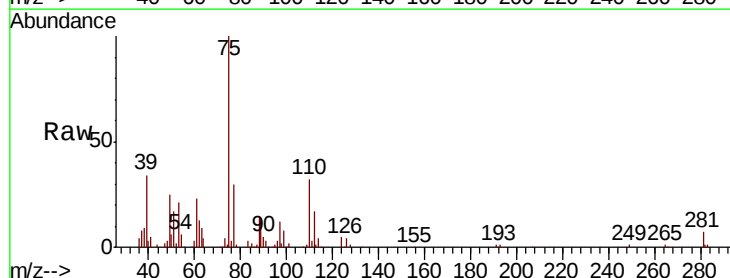
Acq: 9 Aug 2019 14:29

Tgt Ion: 75 Resp: 166808

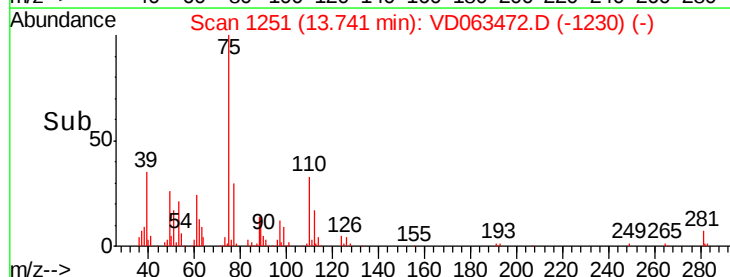
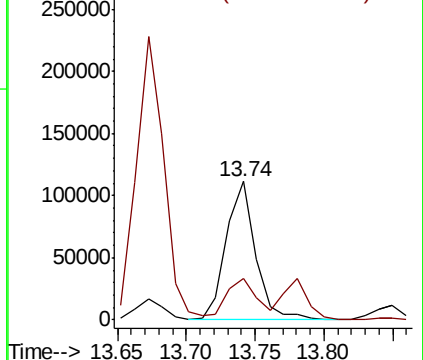
Ion Ratio Lower Upper

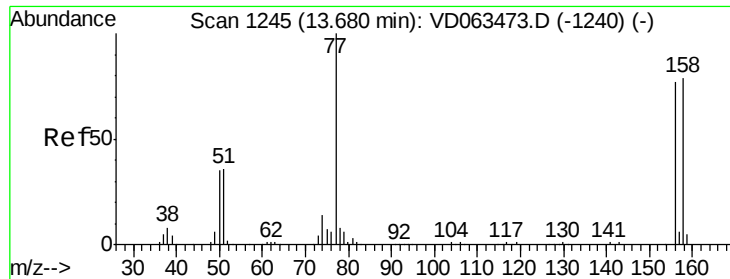
75 100

77 29.9 15.1 45.3



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





#77

Bromobenzene

Concen: 21.603 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

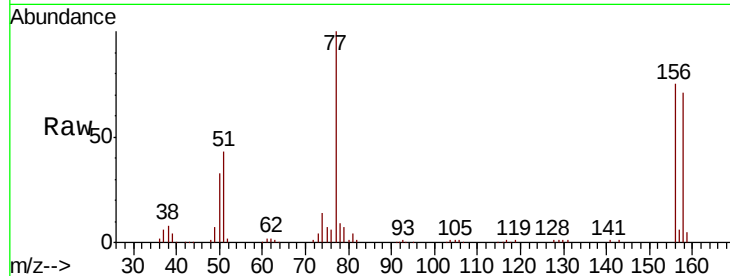
Tgt Ion:156 Resp: 256338

Ion Ratio Lower Upper

156 100

77 133.1 64.6 193.8

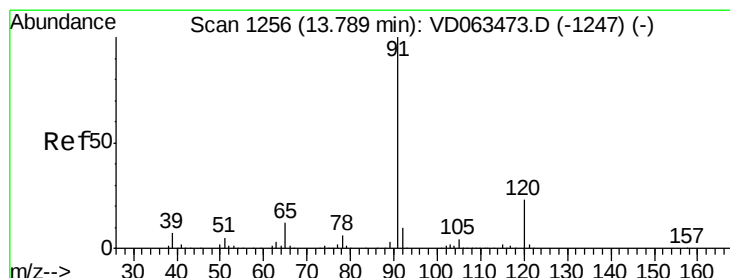
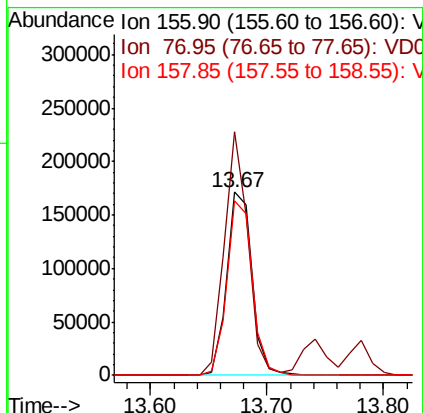
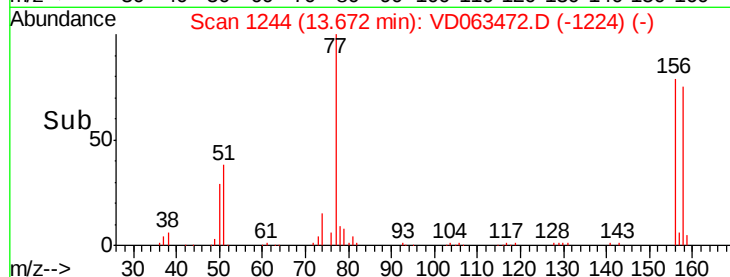
158 95.1 50.9 152.7



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: 21.768 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD063472.D

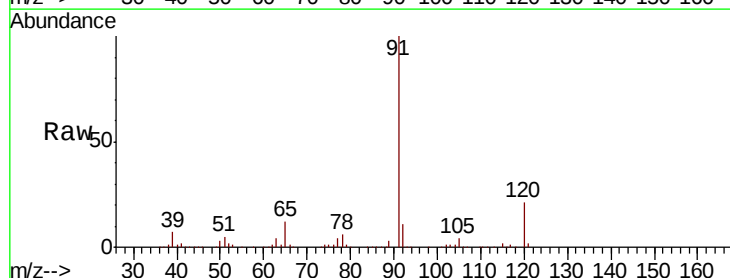
Acq: 9 Aug 2019 14:29

Tgt Ion: 91 Resp: 1105785

Ion Ratio Lower Upper

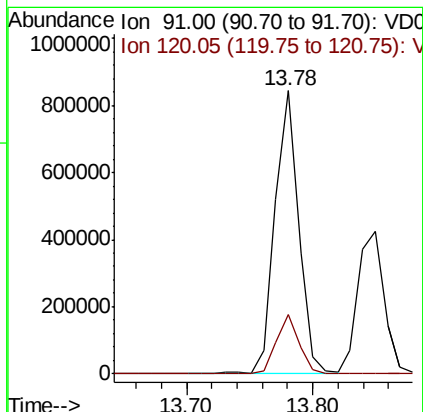
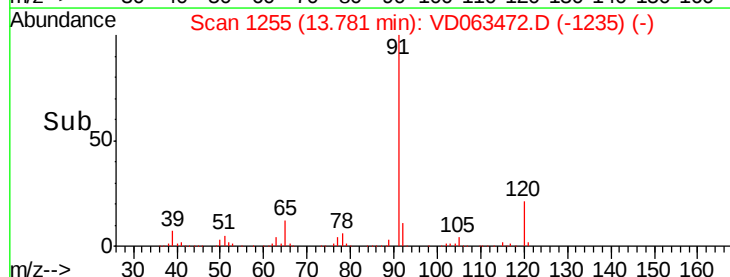
91 100

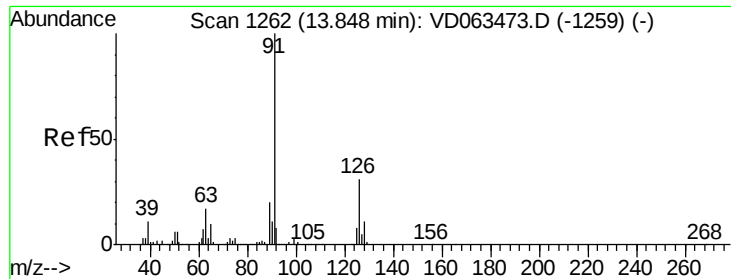
120 21.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

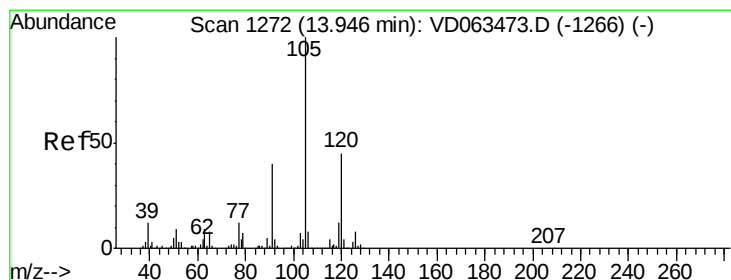
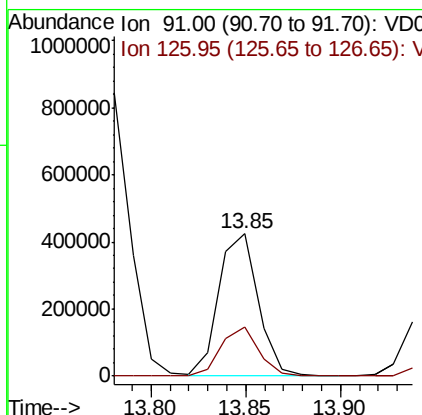
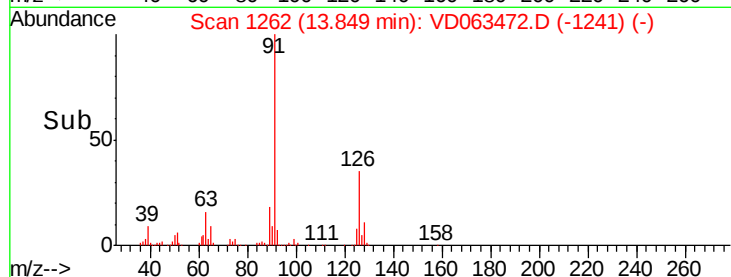
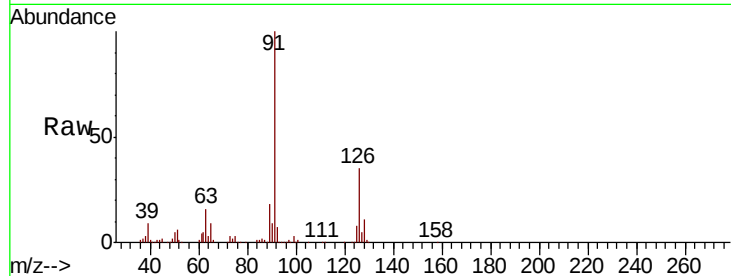




#79
2-Chlorotoluene
Concen: 20.770 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

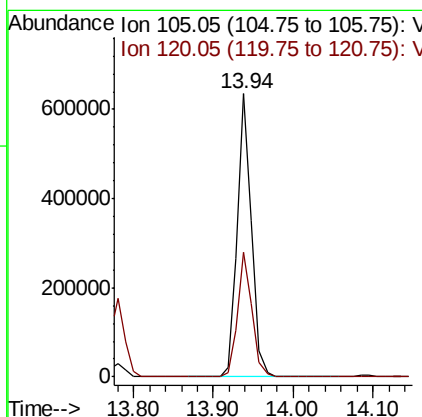
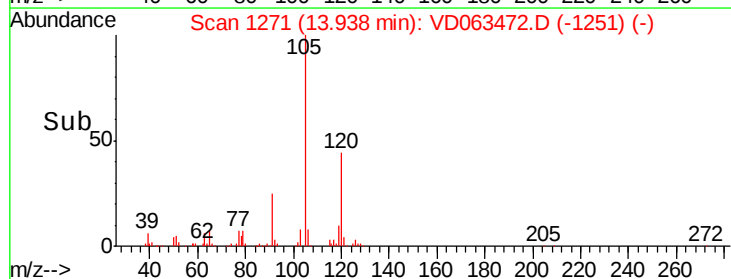
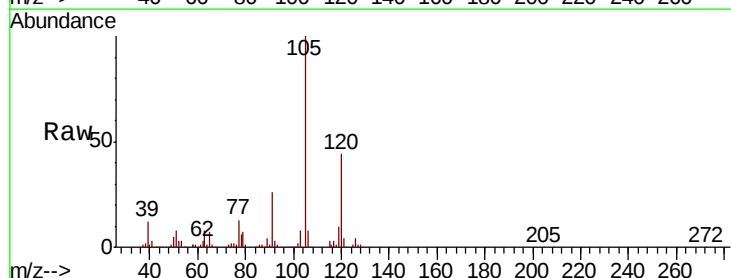
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

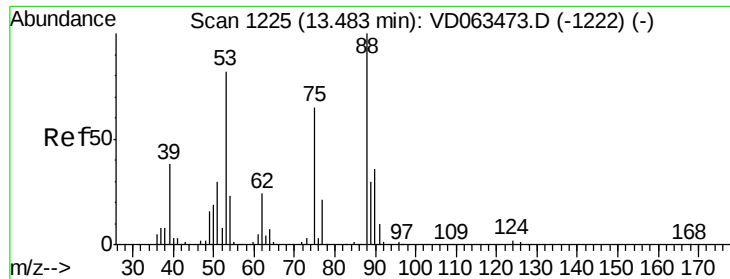
Tgt Ion: 91 Resp: 608269
Ion Ratio Lower Upper
91 100
126 35.0 15.6 46.7



#80
1,3,5-Trimethylbenzene
Concen: 21.022 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Tgt Ion: 105 Resp: 797476
Ion Ratio Lower Upper
105 100
120 44.1 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 21.952 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

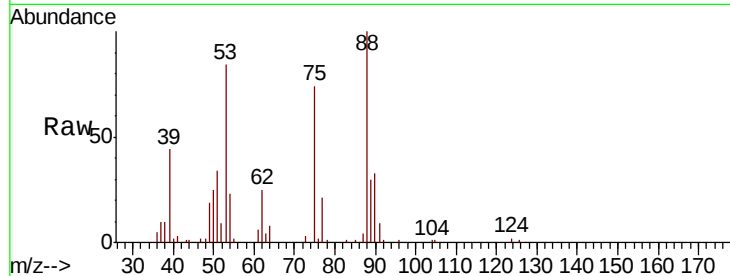
Tgt Ion: 75 Resp: 46220

Ion Ratio Lower Upper

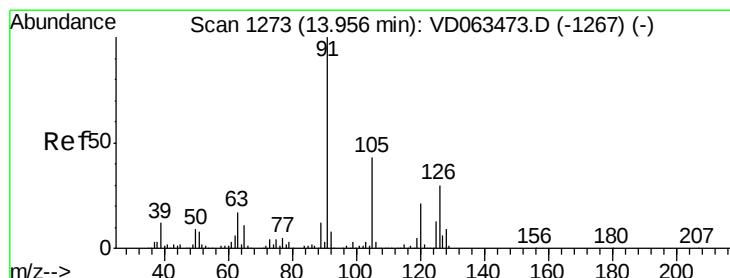
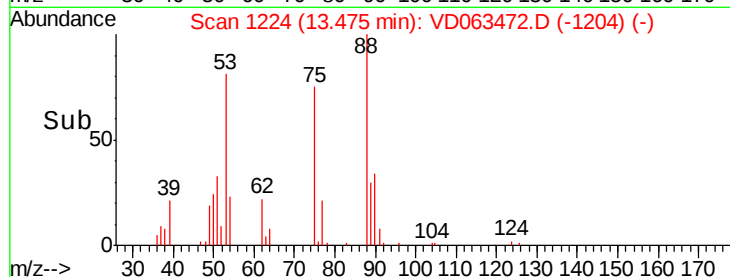
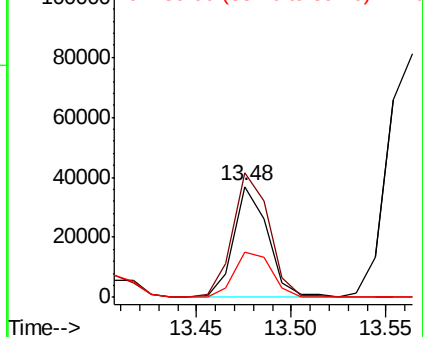
75 100

53 112.8 101.0 151.4

89 40.4 37.0 55.6



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: 20.959 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD063472.D

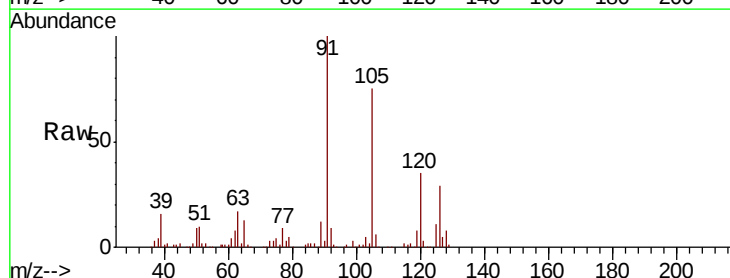
Acq: 9 Aug 2019 14:29

Tgt Ion: 91 Resp: 738171

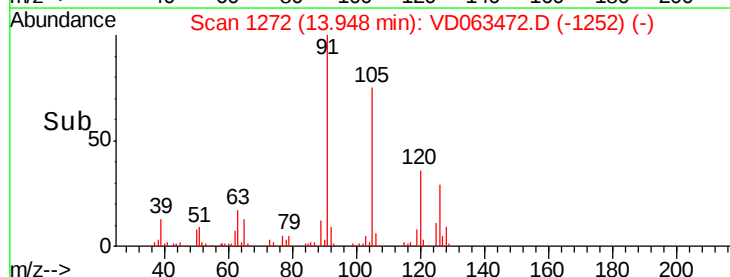
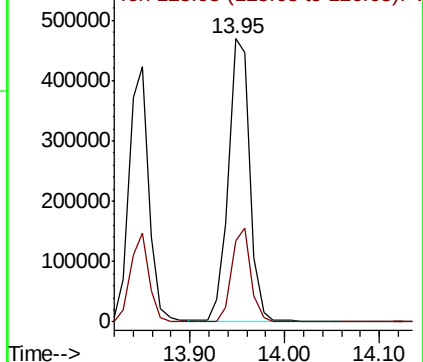
Ion Ratio Lower Upper

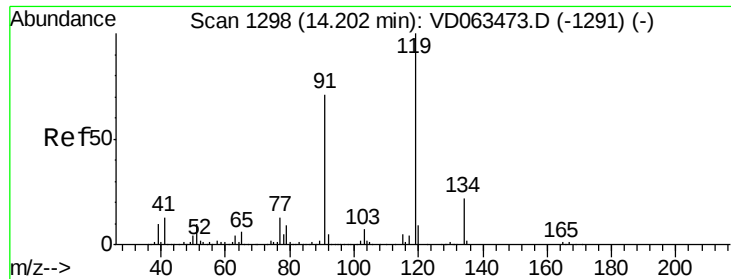
91 100

126 28.5 15.2 45.6



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

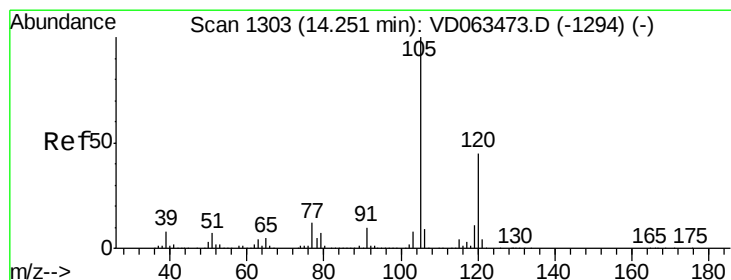
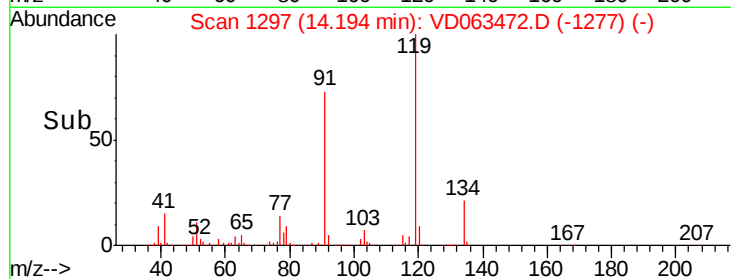
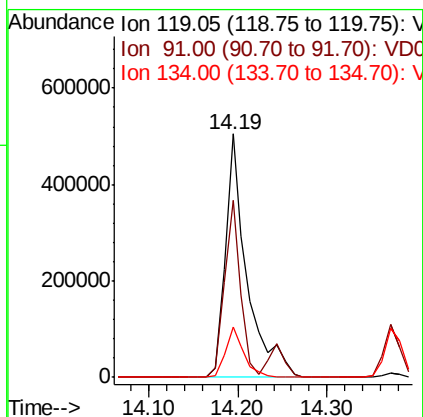
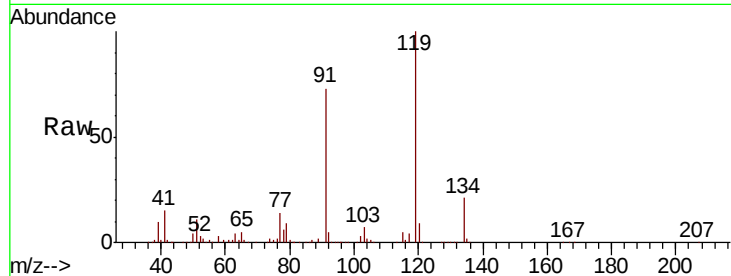




#83
 tert-Butylbenzene
 Concen: 21.523 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

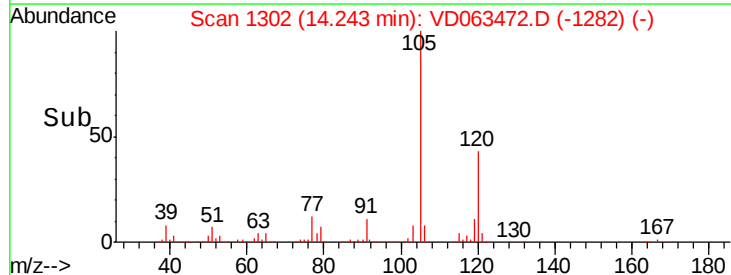
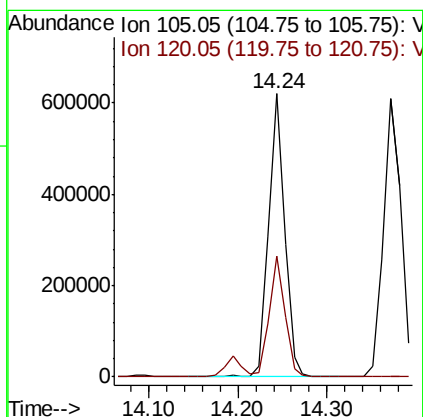
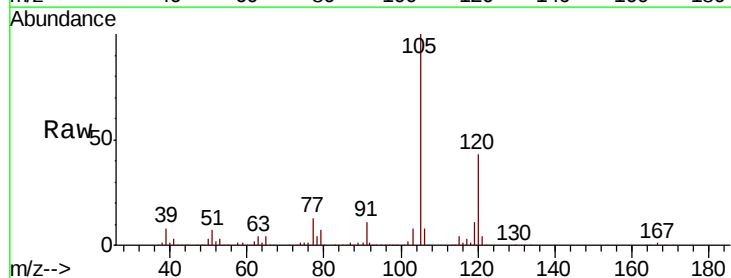
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

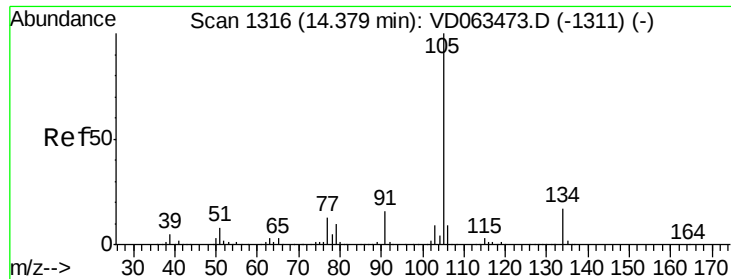
Tgt Ion:119 Resp: 859754
 Ion Ratio Lower Upper
 119 100
 91 73.0 35.5 106.7
 134 20.8 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.958 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

Tgt Ion:105 Resp: 770731
 Ion Ratio Lower Upper
 105 100
 120 42.9 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.526 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

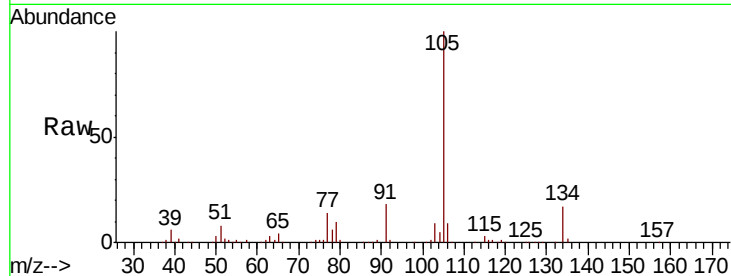
VSTDIC020

Tgt Ion:105 Resp: 828358

Ion Ratio Lower Upper

105 100

134 16.7 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

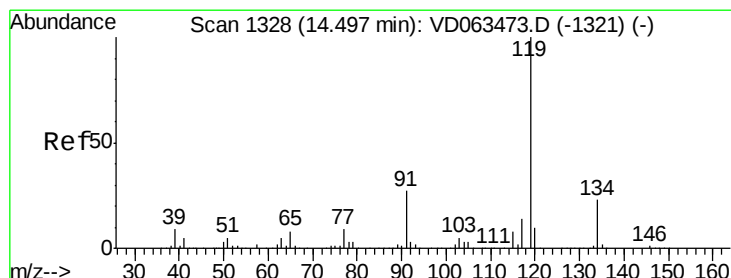
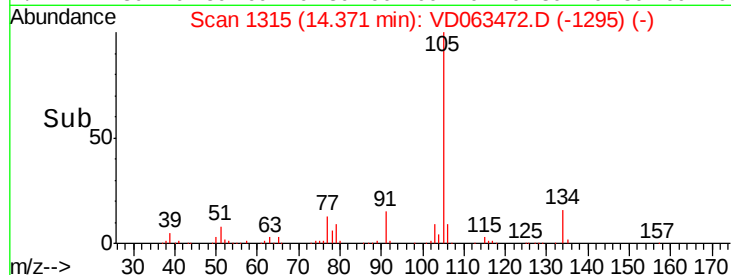
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.109 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

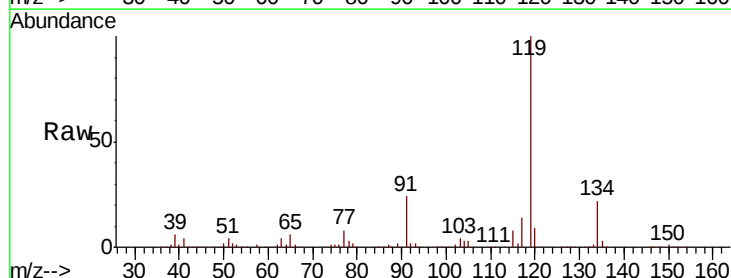
Tgt Ion:119 Resp: 856202

Ion Ratio Lower Upper

119 100

134 22.3 11.3 33.8

91 23.6 13.5 40.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.50

800000

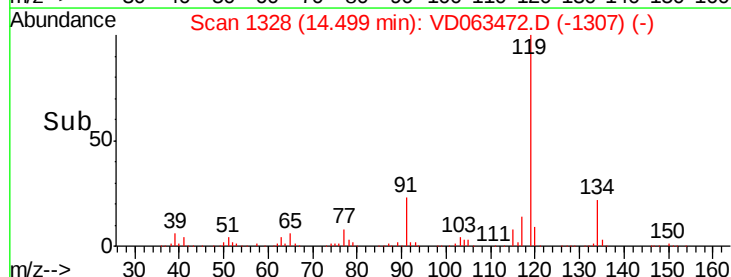
600000

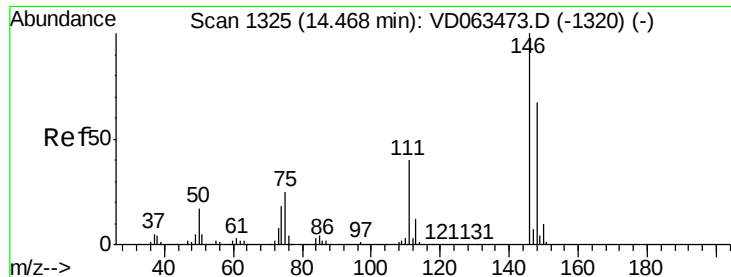
400000

200000

0

Time-->

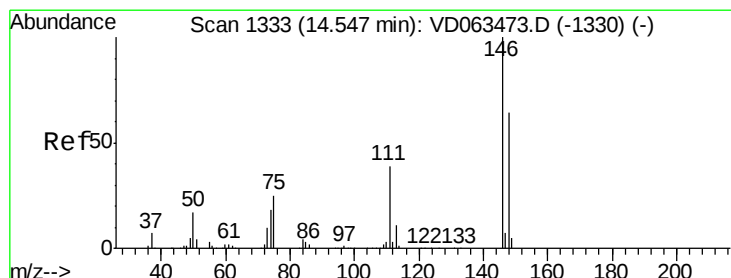
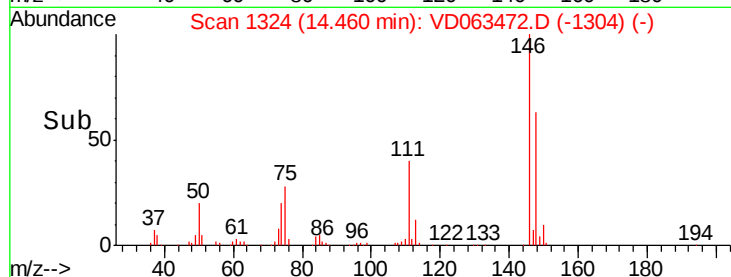
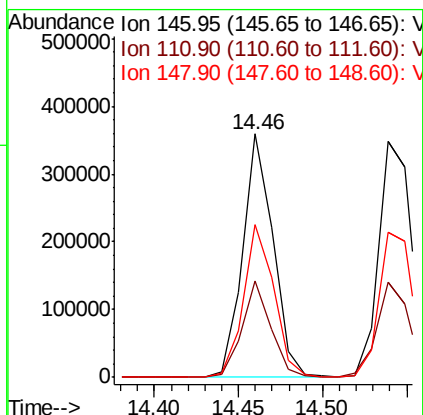
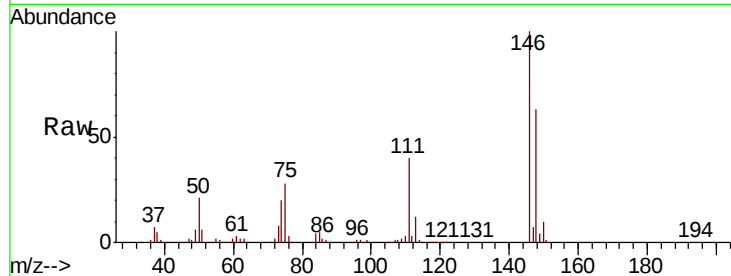




#87
 1,3-Dichlorobenzene
 Concen: 20.892 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

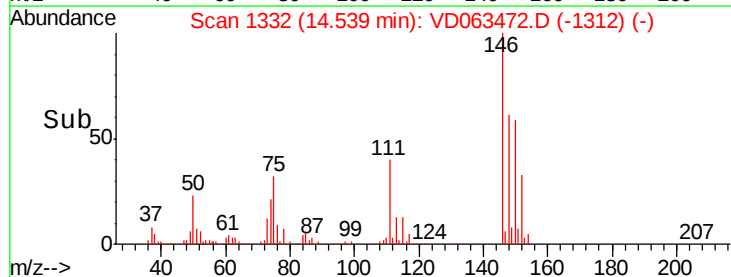
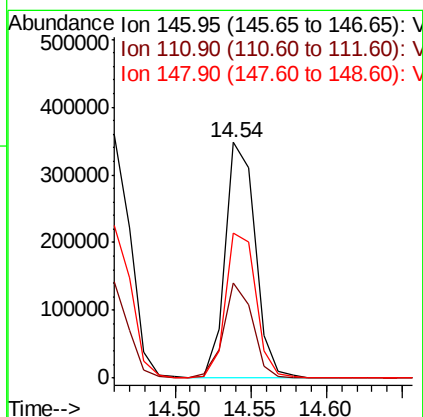
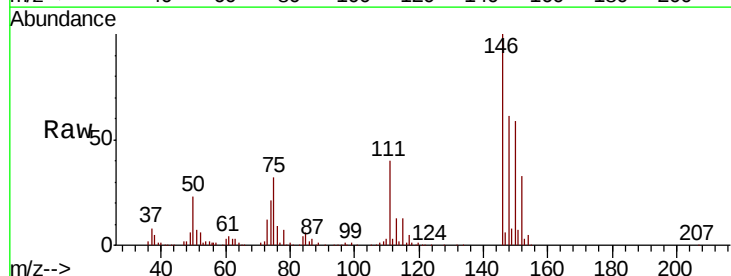
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

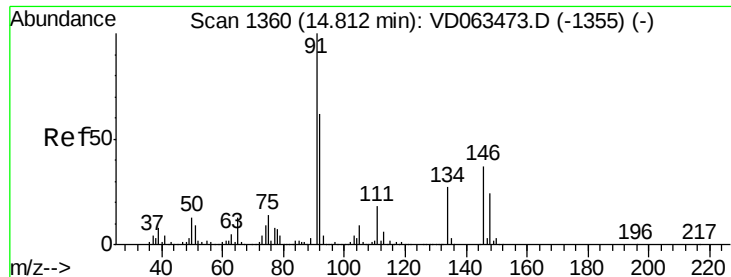
Tgt Ion:146 Resp: 448412
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 60.0
 148 62.6 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 23.348 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

Tgt Ion:146 Resp: 480784
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.7 59.0
 148 61.3 32.1 96.3





#89

n-Butylbenzene

Concen: 21.093 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

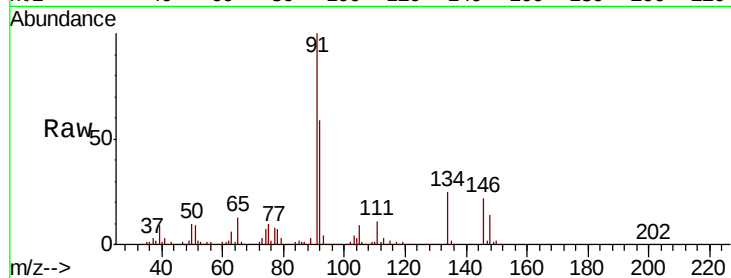
Tgt Ion: 91 Resp: 780857

Ion Ratio Lower Upper

91 100

92 59.3 30.8 92.3

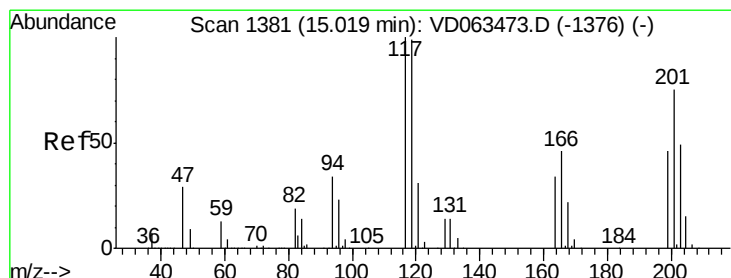
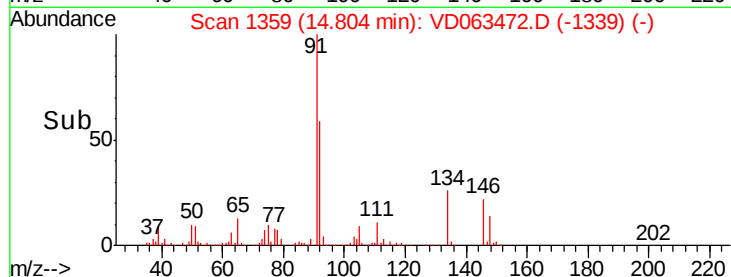
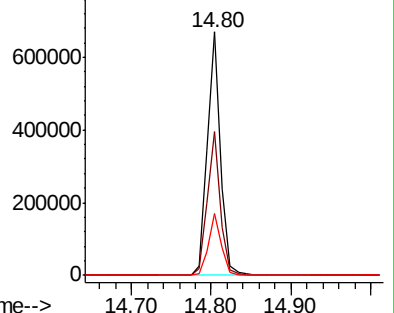
134 25.5 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 20.731 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063472.D

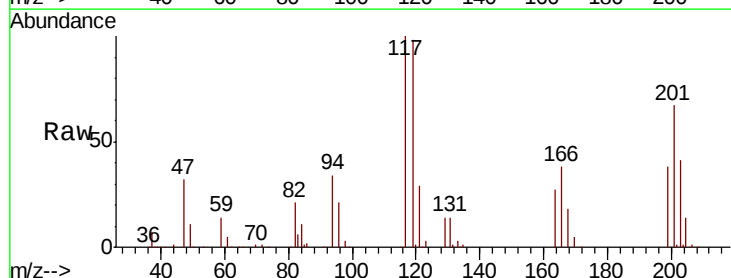
Acq: 9 Aug 2019 14:29

Tgt Ion: 117 Resp: 211351

Ion Ratio Lower Upper

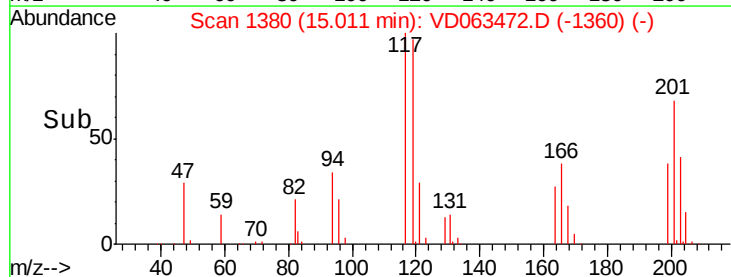
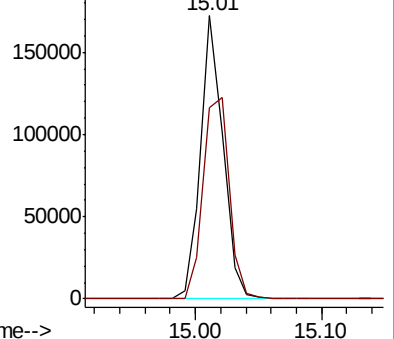
117 100

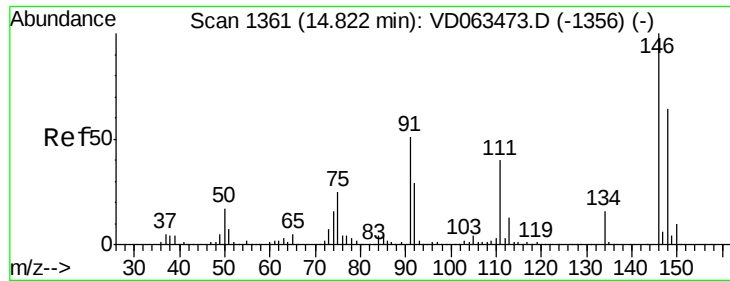
201 67.4 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

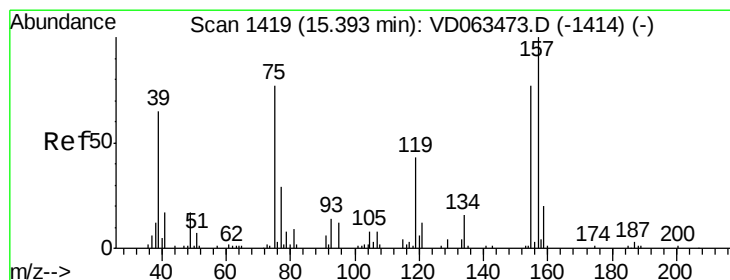
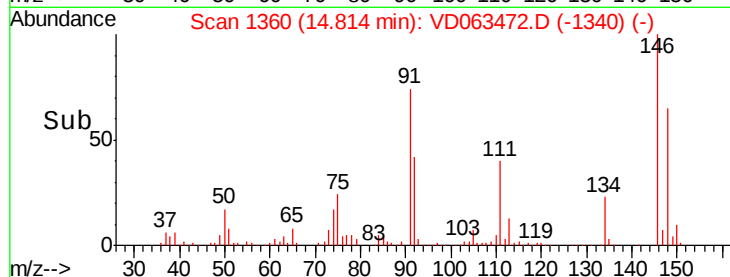
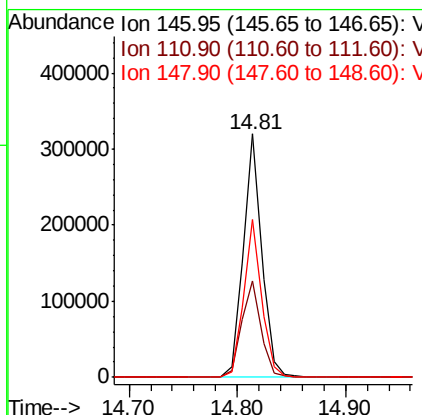
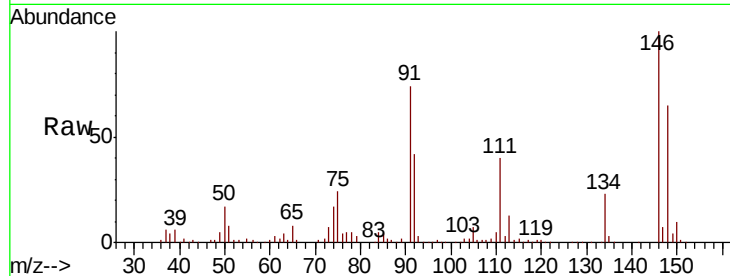




#91
 1,2-Dichlorobenzene
 Concen: 20.864 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

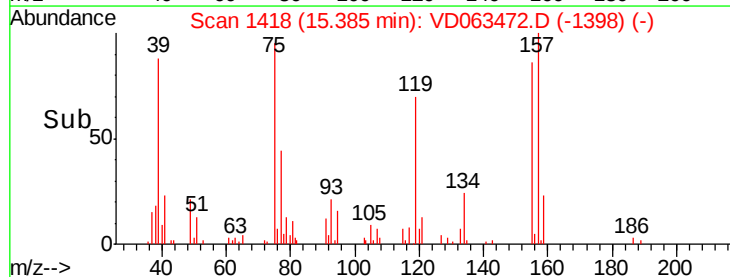
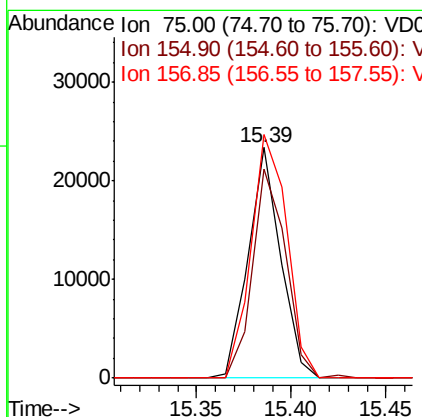
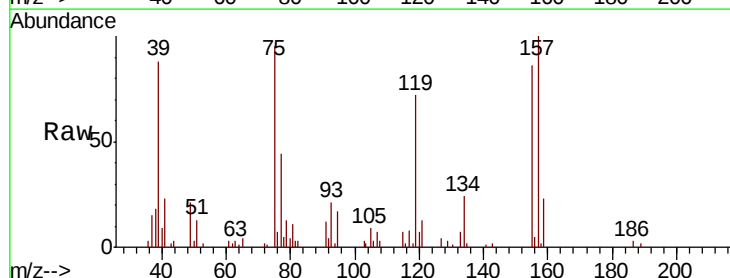
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

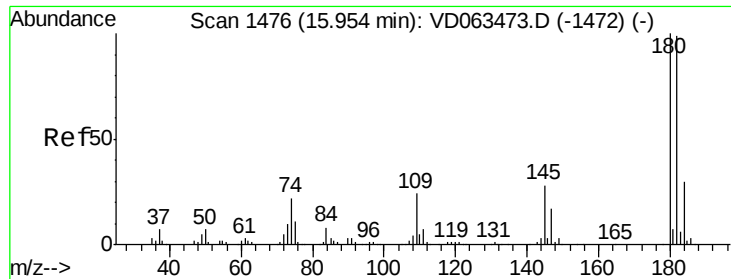
Tgt Ion:146 Resp: 379926
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.2 60.6
 148 64.6 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.375 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

Tgt Ion: 75 Resp: 27647
 Ion Ratio Lower Upper
 75 100
 155 90.4 50.1 150.3
 157 105.5 65.0 195.1

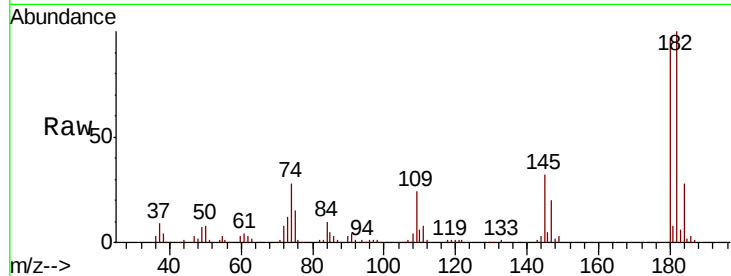




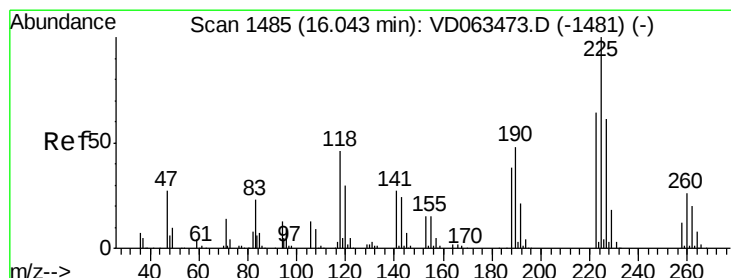
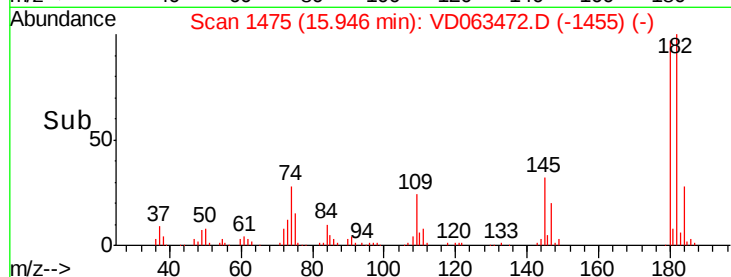
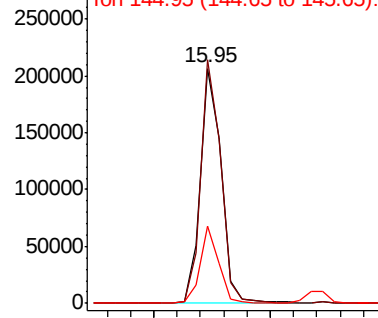
#93
 1,2,4-Trichlorobenzene
 Concen: 19.243 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 257840
 Ion Ratio Lower Upper
 180 100
 182 103.6 49.7 149.1
 145 33.0 14.1 42.2

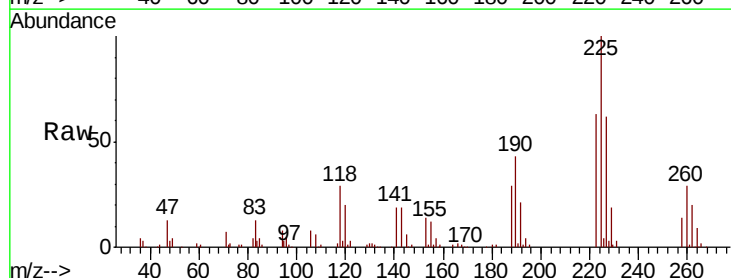


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

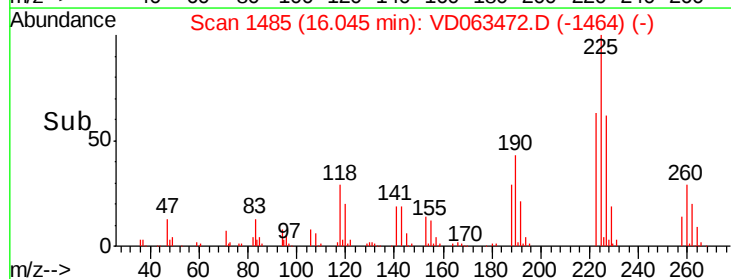
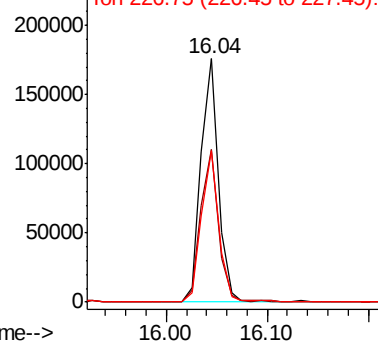


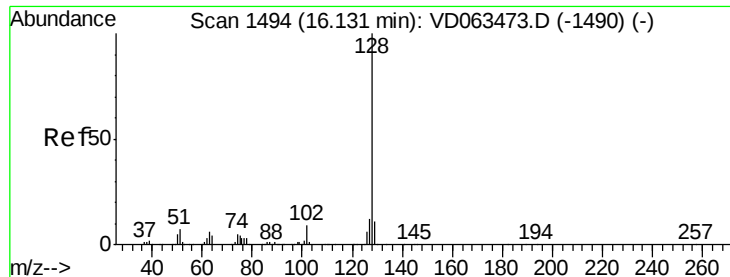
#94
 Hexachlorobutadiene
 Concen: 20.792 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

Tgt Ion:225 Resp: 212330
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.9 95.5
 227 62.2 30.7 92.1



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

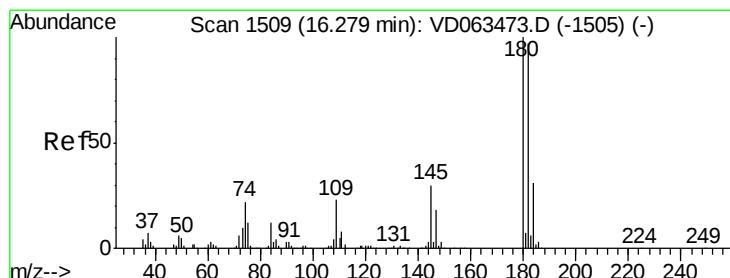
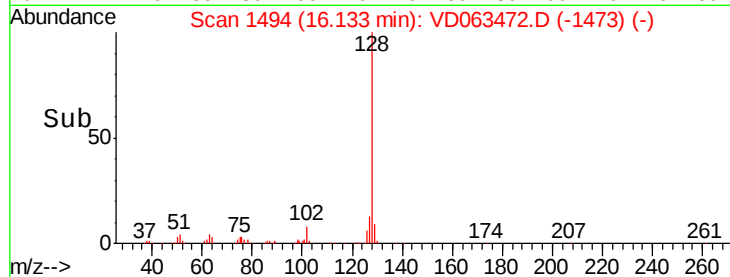
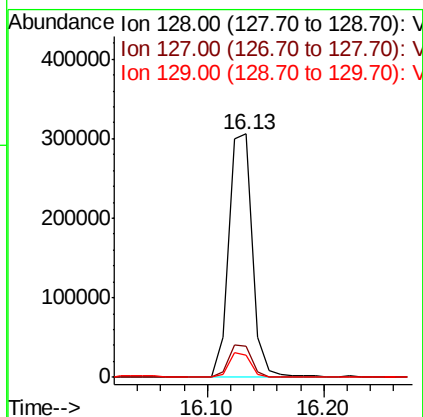
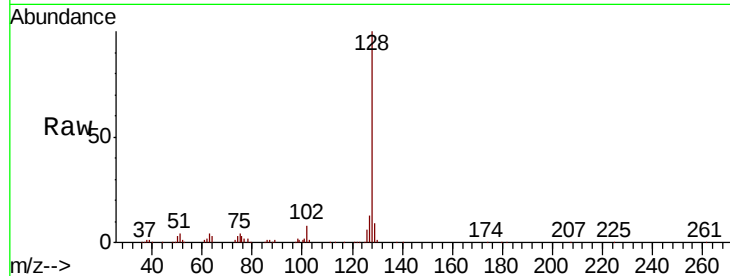




#95
Naphthalene
Concen: 21.154 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 429565
Ion Ratio Lower Upper
128 100
127 12.5 9.4 14.0
129 9.2 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 21.085 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Tgt Ion:180 Resp: 228190
Ion Ratio Lower Upper
180 100
182 99.1 48.4 145.2
145 32.9 14.9 44.9

