

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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	R.T.	QIon	Response	Conc	Units	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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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

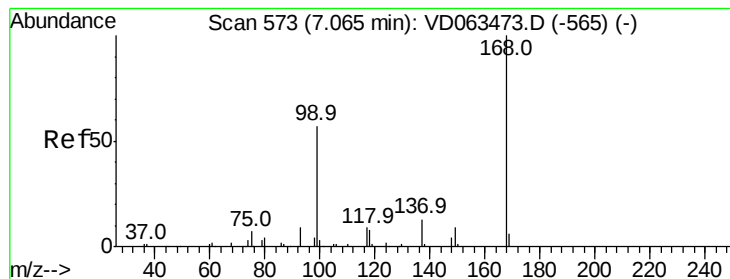
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	257840	19.243	ug/l	95
94) Hexachlorobutadiene	16.04	225	212330	20.792	ug/l	99
95) Naphthalene	16.13	128	429565	21.154	ug/l	97
96) 1,2,3-Trichlorobenzene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

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



#1

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 :

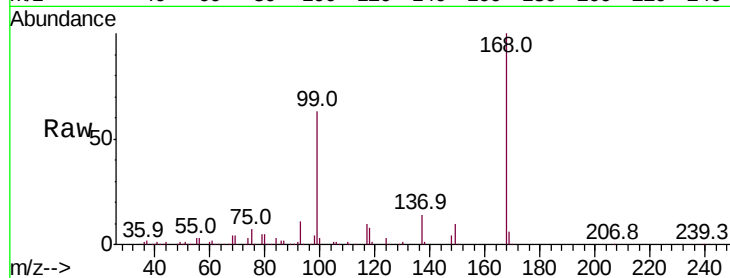
VSTDIC020

Tot Ion:168 Resp: 1097668

Ion Ratio Lower Upper

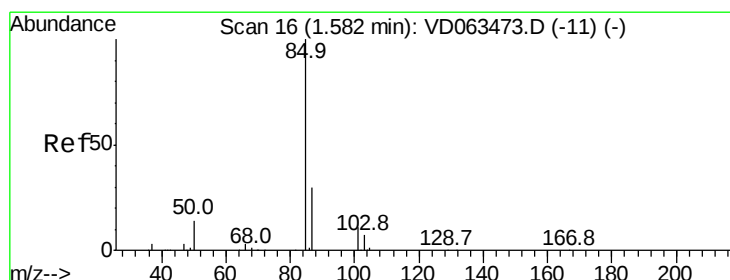
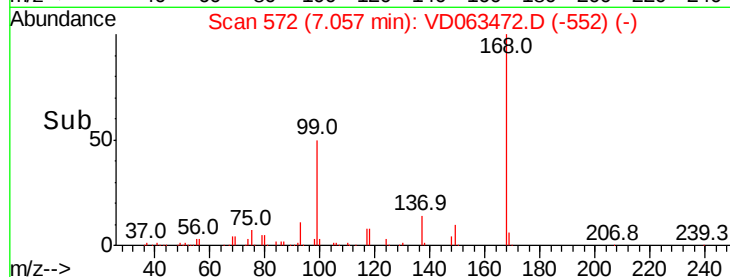
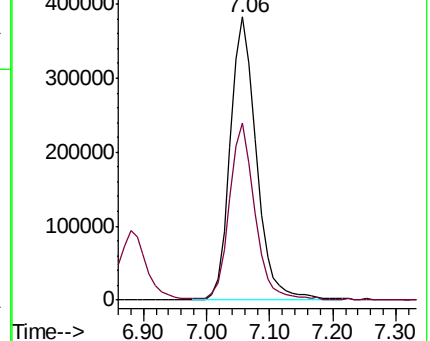
168 100

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



#2

Dichlorodifluoromethane

Concen: 23.228 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD063472.D

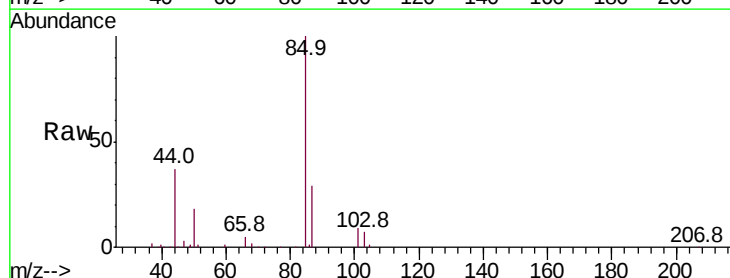
Acq: 9 Aug 2019 14:29

Tgt Ion: 85 Resp: 308956

Ion Ratio Lower Upper

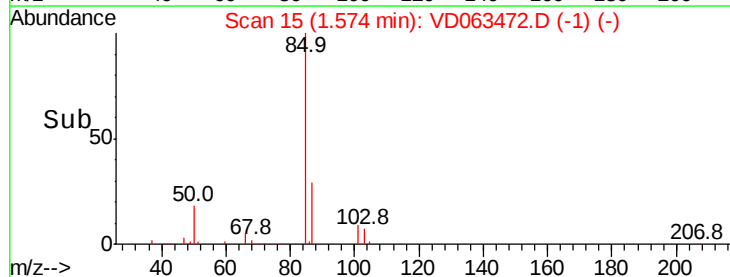
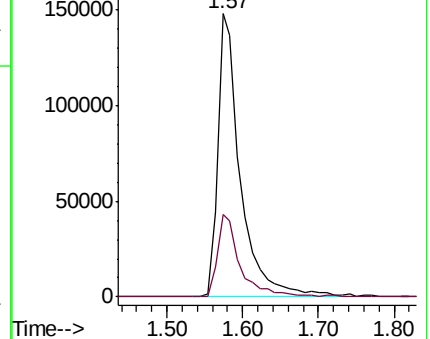
85 100

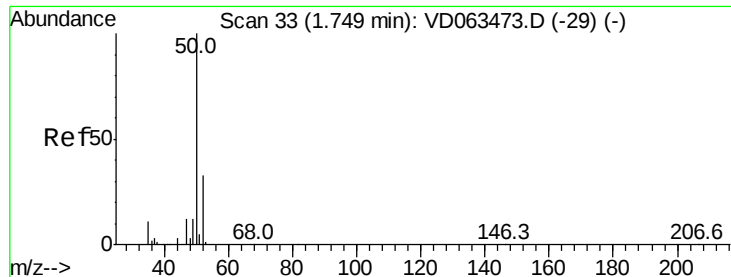
87 29.0 15.0 45.0



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 :

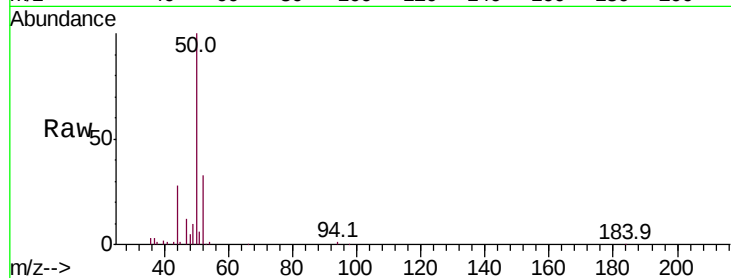
VSTDIC020

Tot Ion: 50 Resp: 229151

Ion Ratio Lower Upper

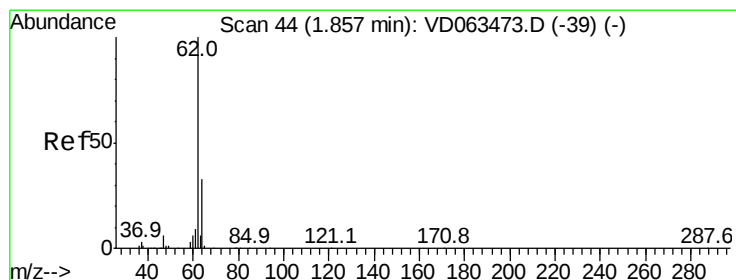
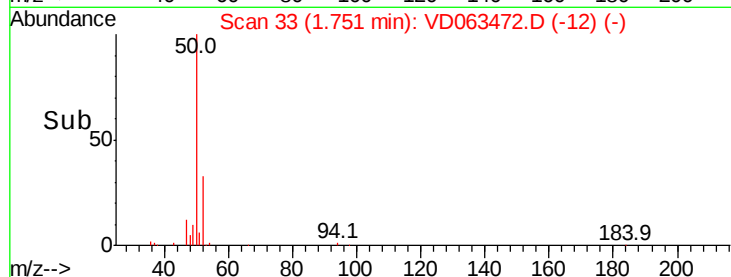
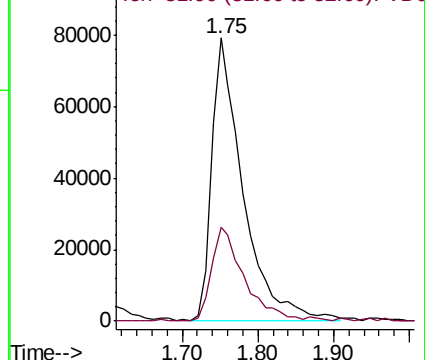
50 100

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

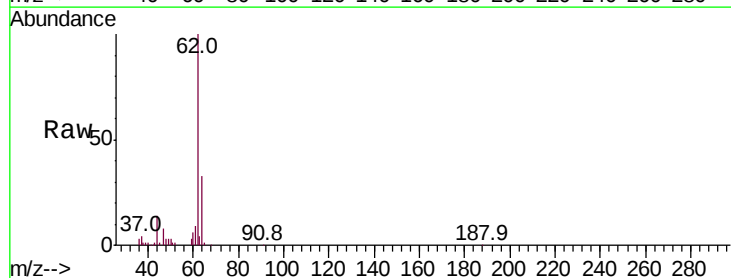
Acq: 9 Aug 2019 14:29

Tgt Ion: 62 Resp: 225421

Ion Ratio Lower Upper

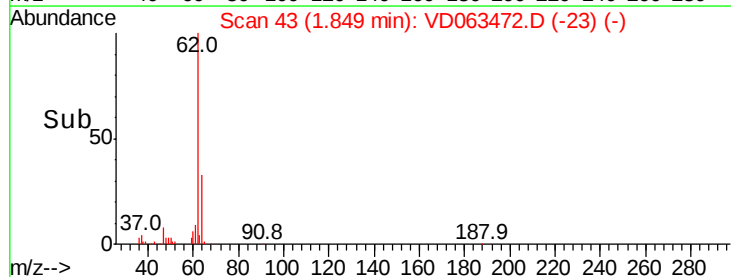
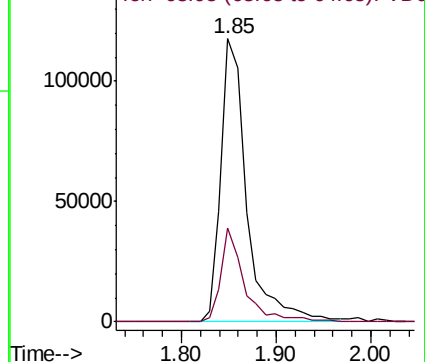
62 100

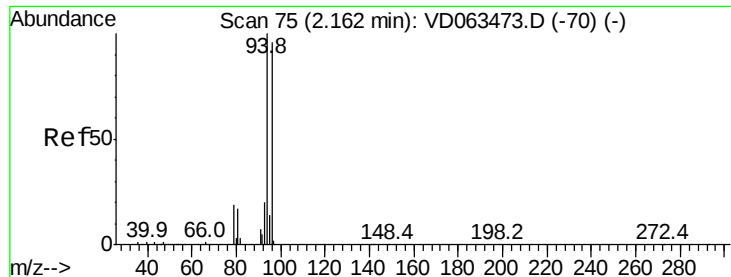
64 33.4 26.4 39.6



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 :

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ClientSampleId :

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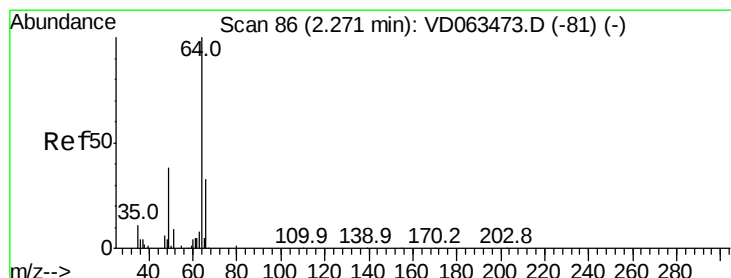
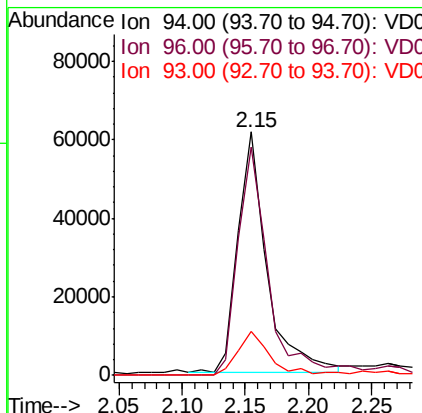
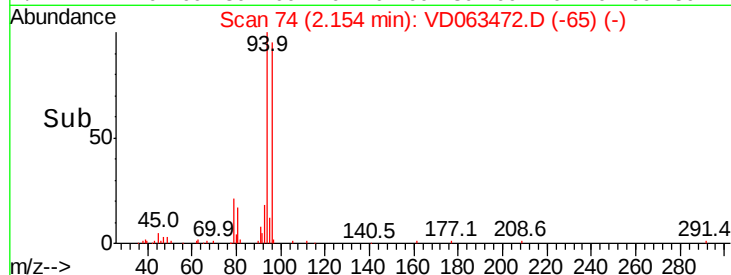
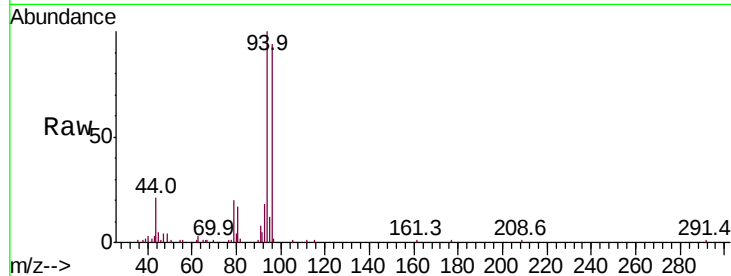
Tot Ion: 94 Resp: 96725

Ion Ratio Lower Upper

94 100

96 94.0 76.5 114.7

93 17.8 15.8 23.8



#6

Chloroethane

Concen: 21.120 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD063472.D

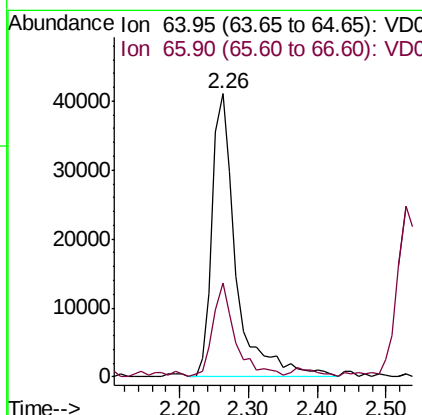
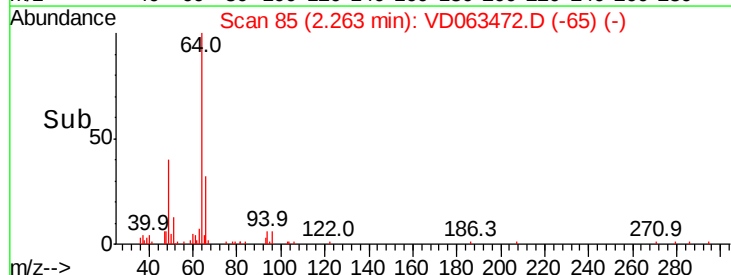
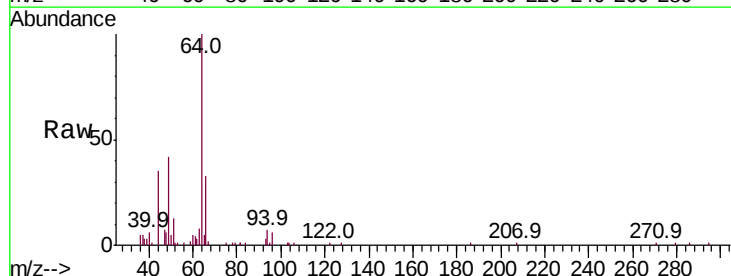
Acq: 9 Aug 2019 14:29

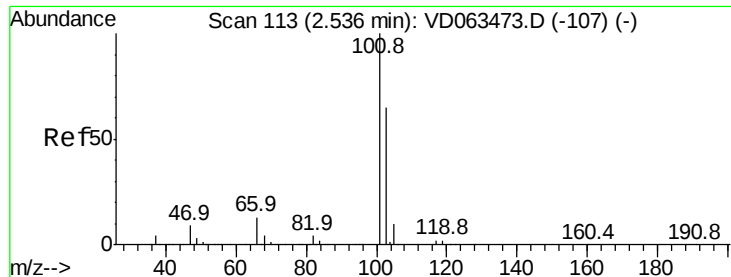
Tgt Ion: 64 Resp: 99634

Ion Ratio Lower Upper

64 100

66 33.4 26.3 39.5



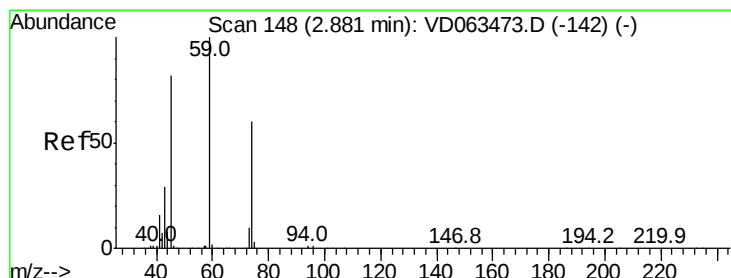
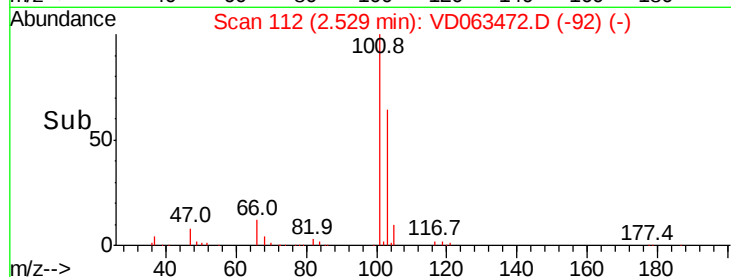
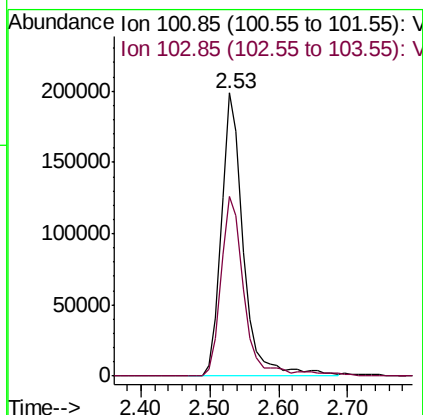
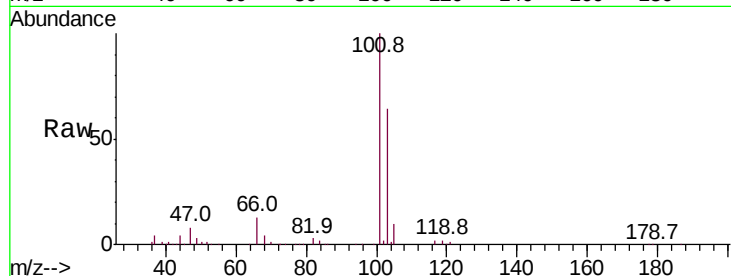


#7

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 :
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 ClientSampleId :
 VSTDIC020

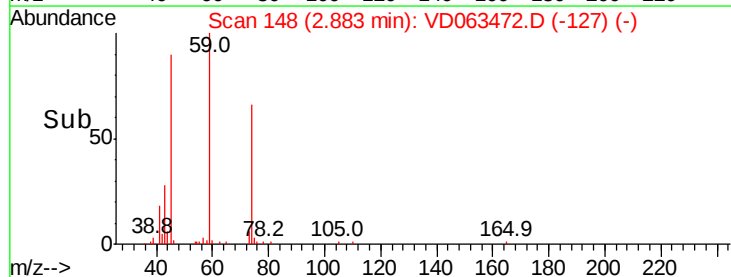
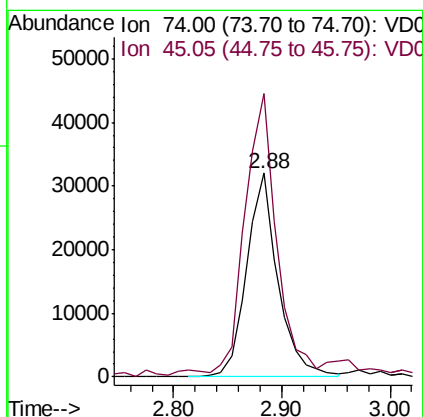
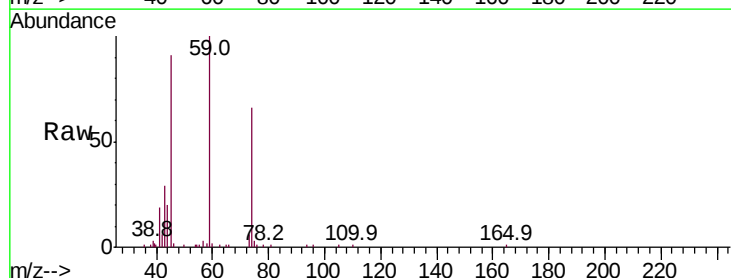
Tot Ion:101 Resp: 439656
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.2 78.4

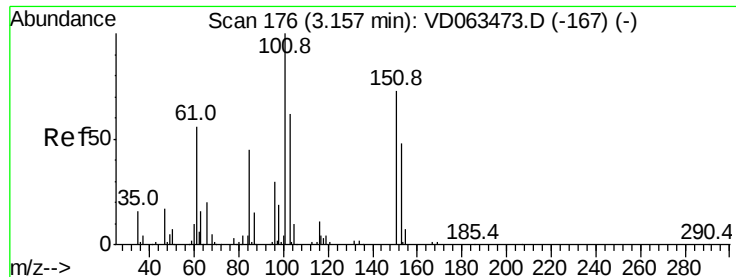


#8

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

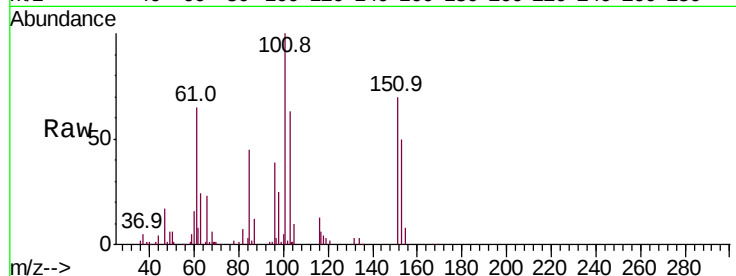
Tot Ion:101 Resp: 259931

Ion Ratio Lower Upper

101 100

85 45.0 35.8 53.6

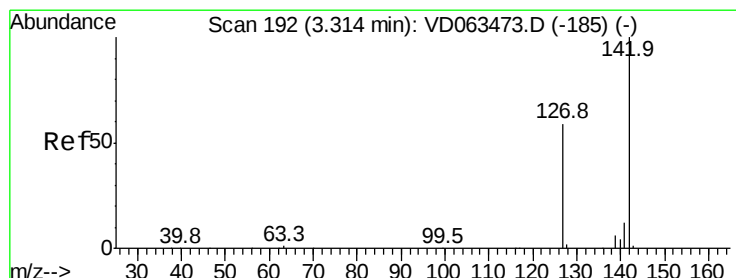
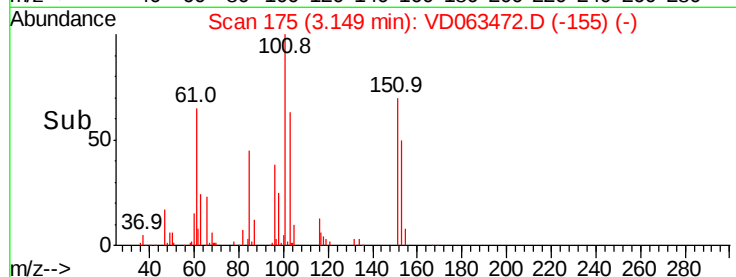
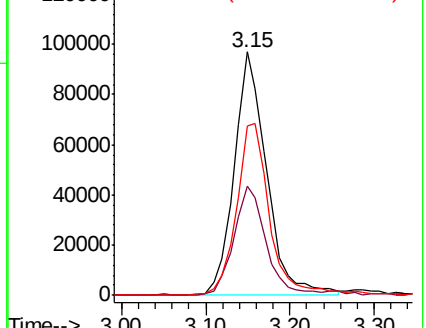
151 69.7 58.6 88.0



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

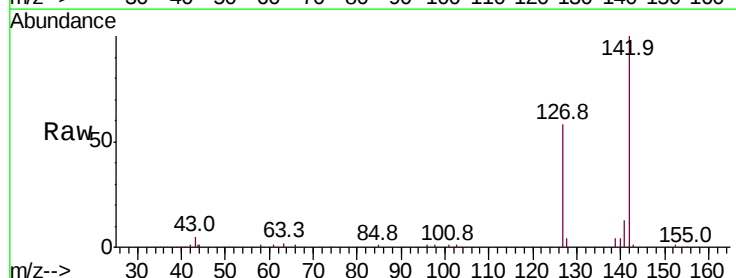
Tgt Ion:142 Resp: 353438

Ion Ratio Lower Upper

142 100

127 57.8 47.2 70.8

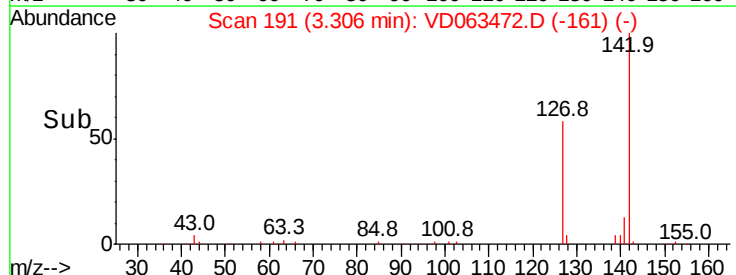
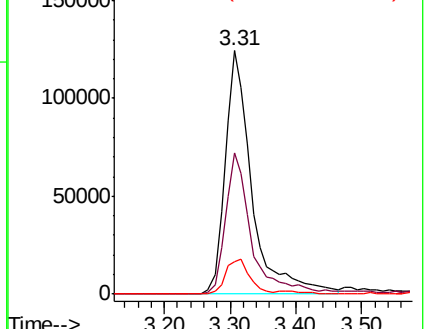
141 13.2 9.8 14.8

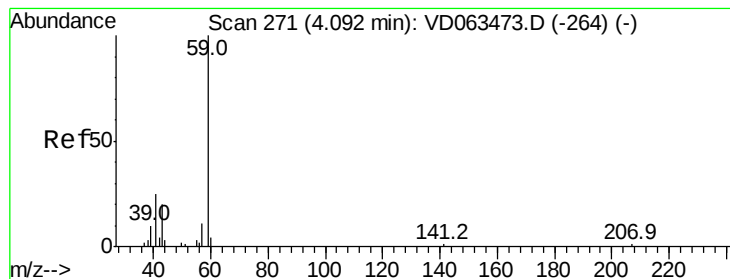


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



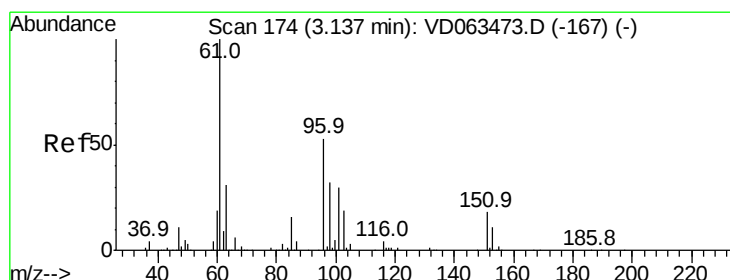
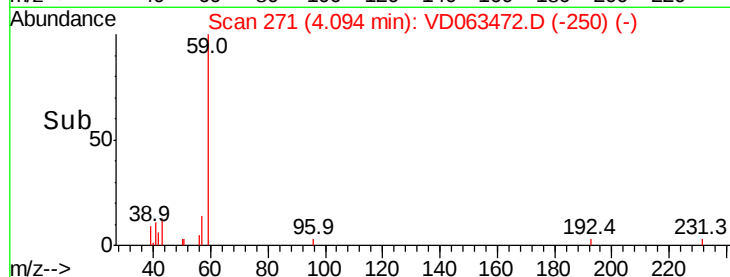
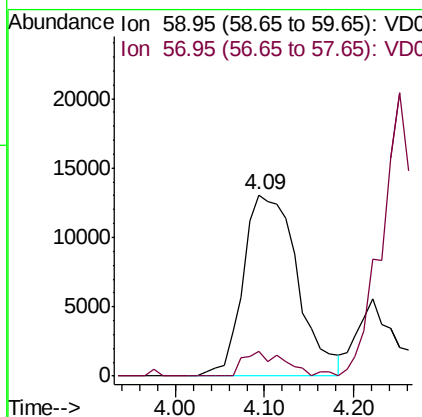
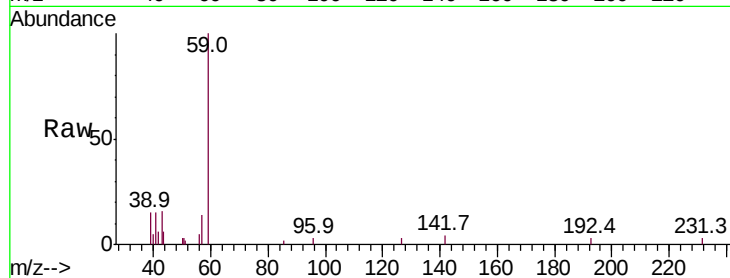


#11

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

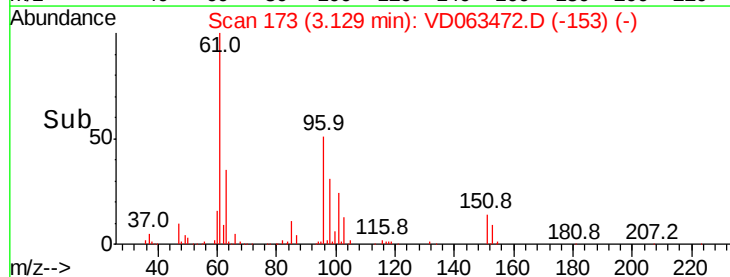
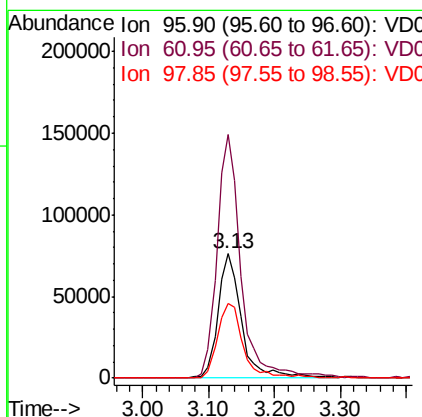
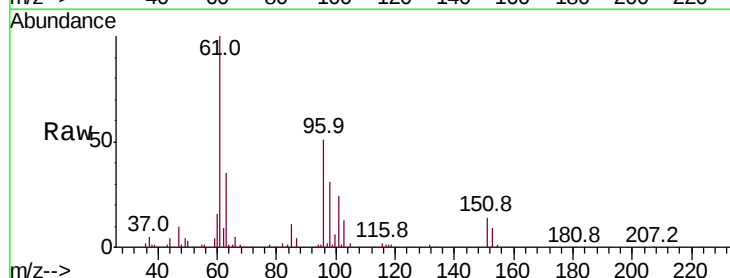
Tot Ion: 59 Resp: 54964
 Ion Ratio Lower Upper
 59 100
 57 13.7 8.7 13.1#

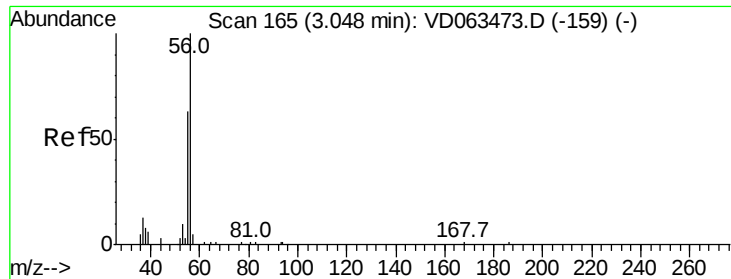


#12

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





#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 :

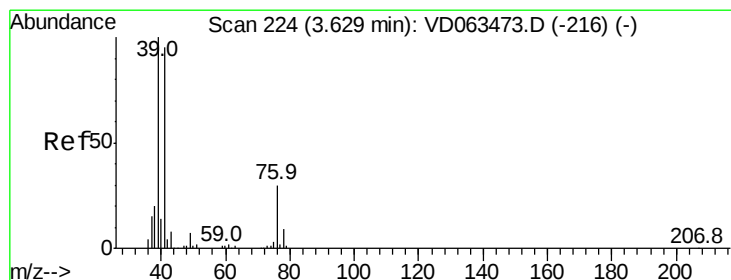
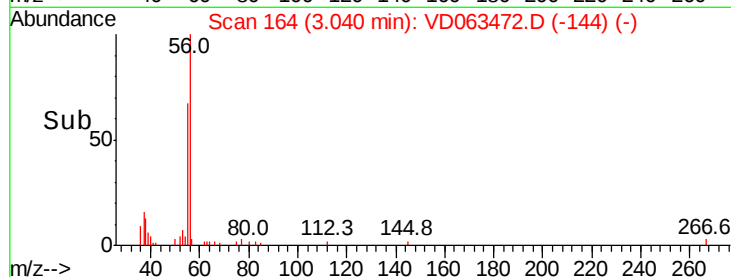
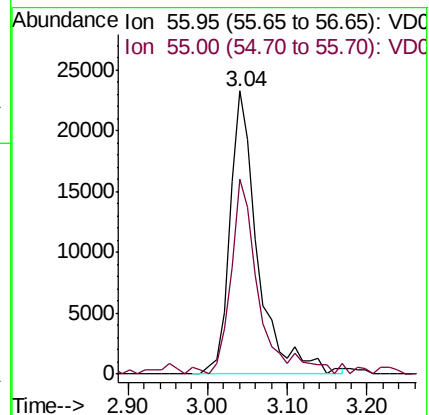
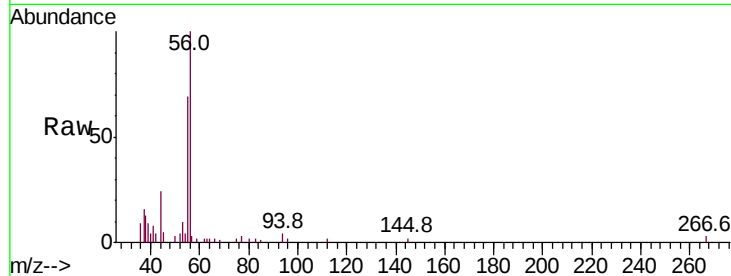
VSTDIC020

Tot Ion: 56 Resp: 56927

Ion Ratio Lower Upper

56 100

55 68.8 51.3 76.9



#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

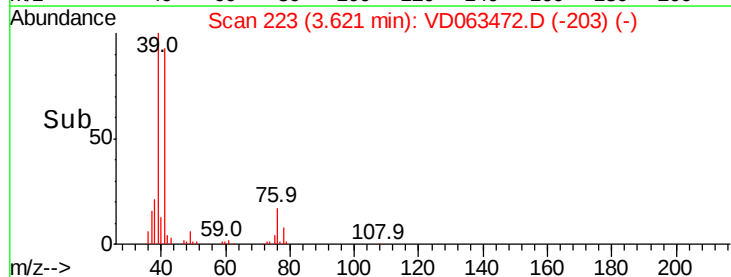
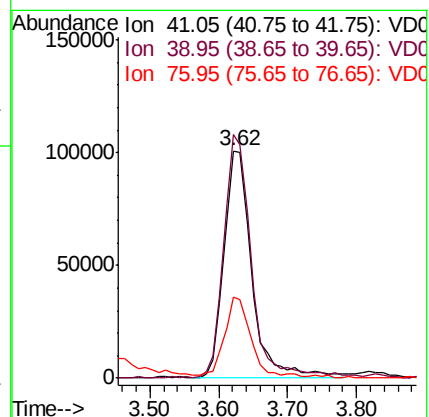
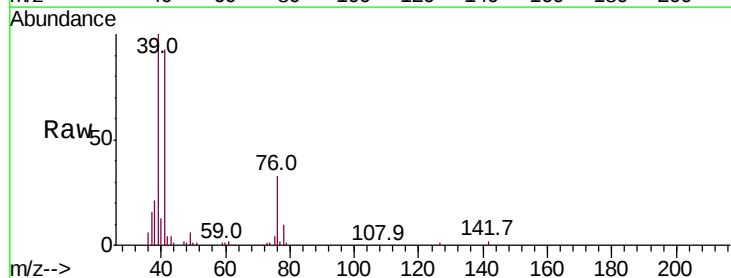
Tgt Ion: 41 Resp: 284337

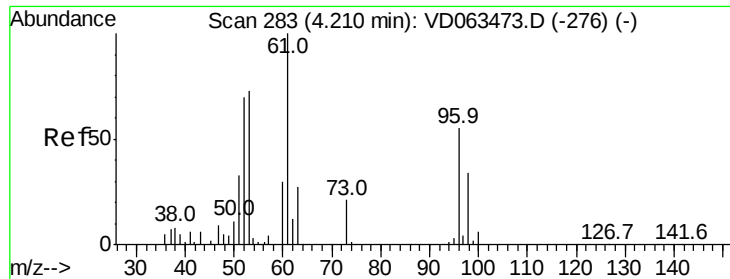
Ion Ratio Lower Upper

41 100

39 107.0 84.2 126.4

76 35.4 26.0 39.0





#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

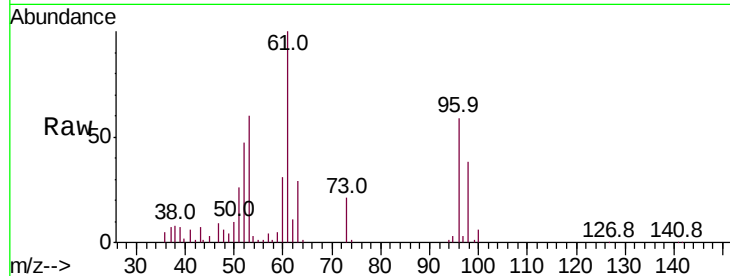
Tot Ion: 53 Resp: 143968

Ion Ratio Lower Upper

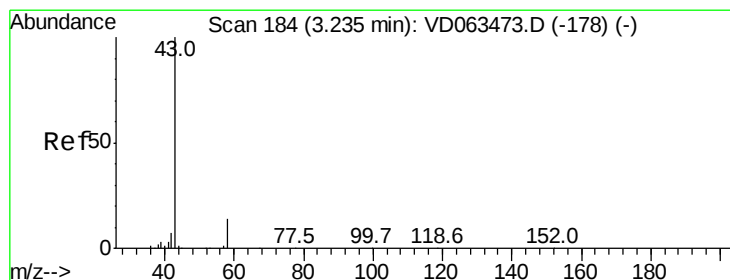
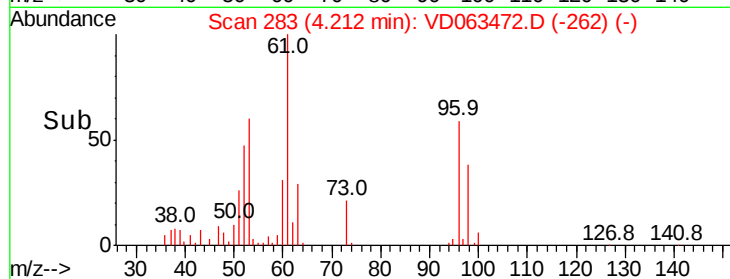
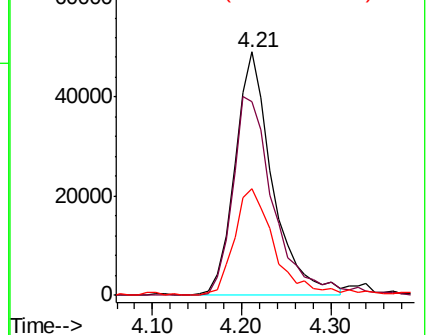
53 100

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

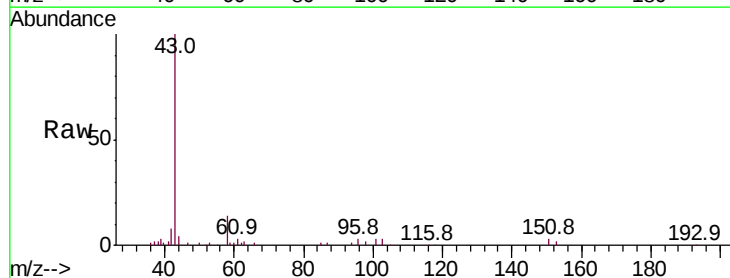
Acq: 9 Aug 2019 14:29

Tgt Ion: 43 Resp: 231640

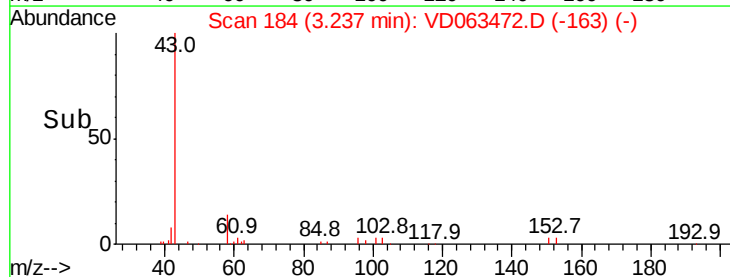
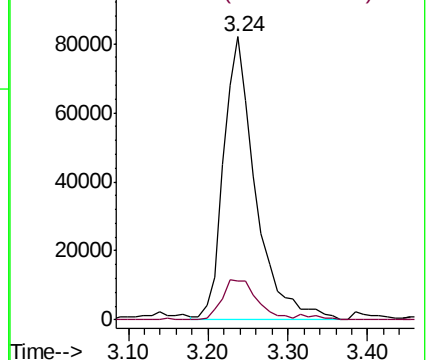
Ion Ratio Lower Upper

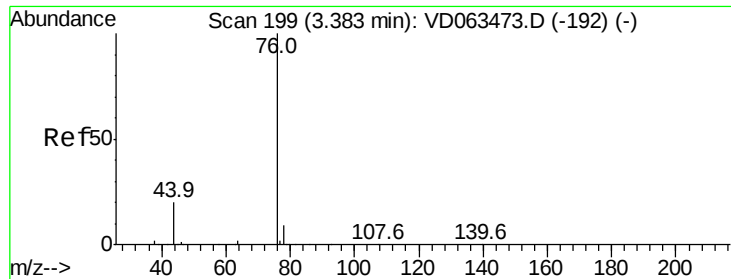
43 100

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

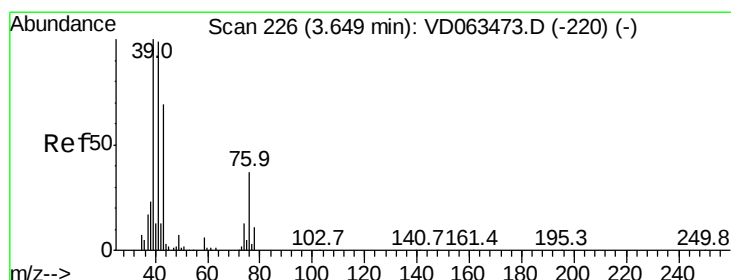
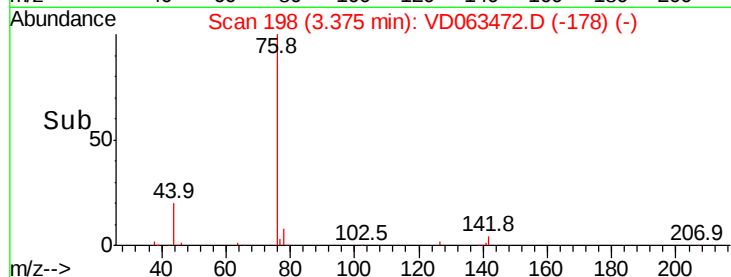
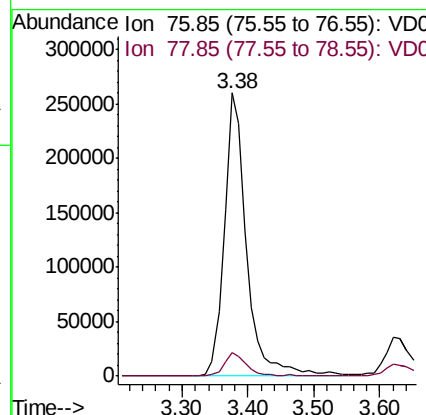
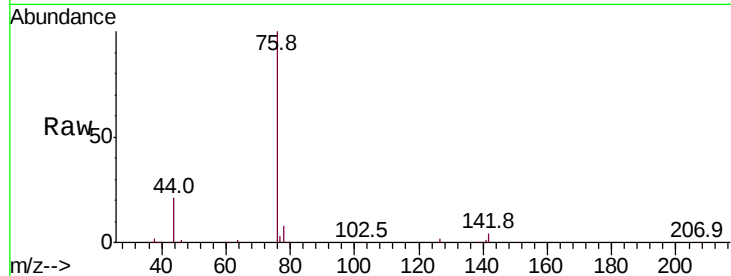




#17
Carbon Disulfide
Concen: 21.830 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

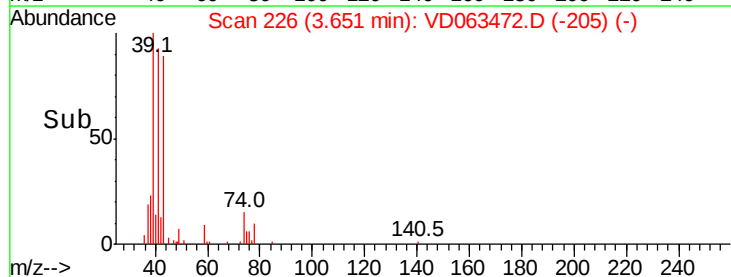
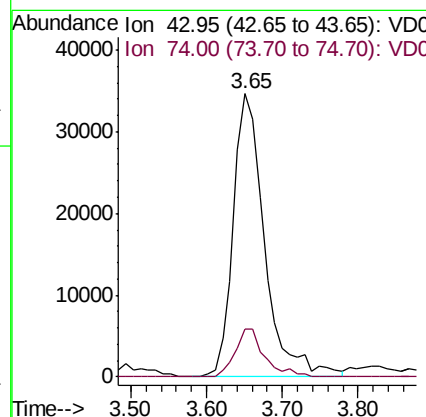
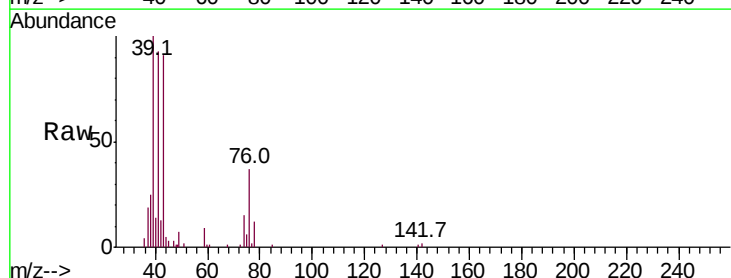
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

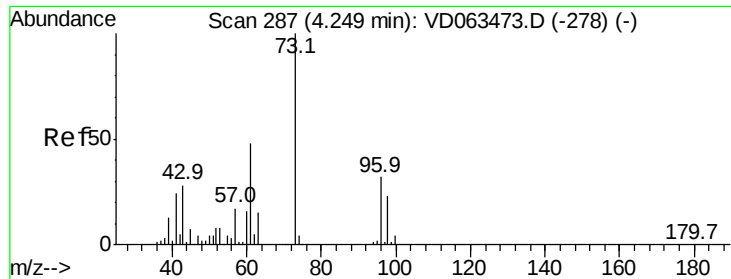
Tot Ion: 76 Resp: 611825
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0



#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

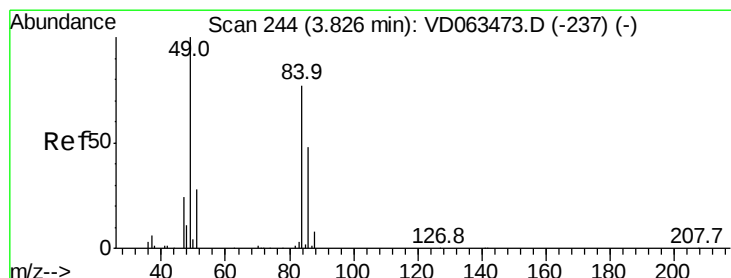
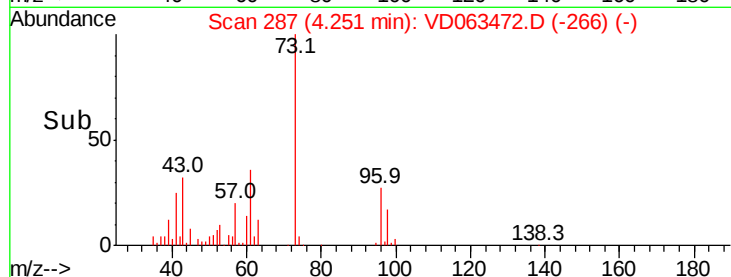
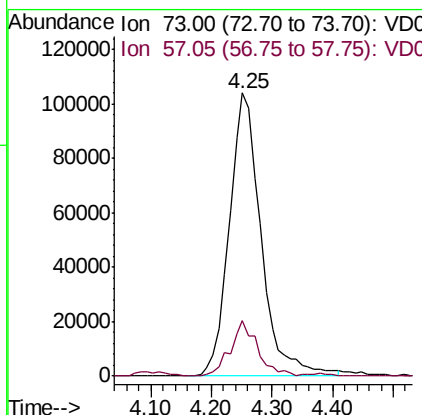
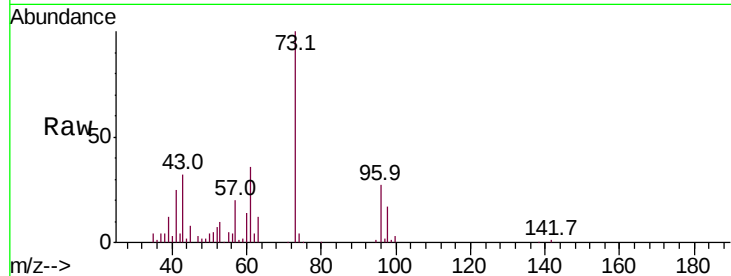




#19
Methyl tert-butyl Ether
Concen: 21.367 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

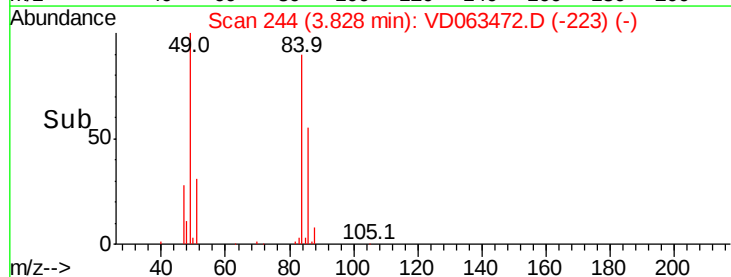
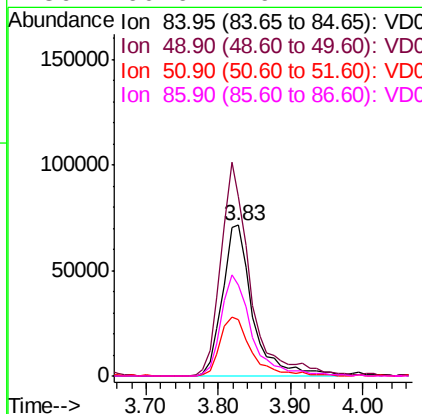
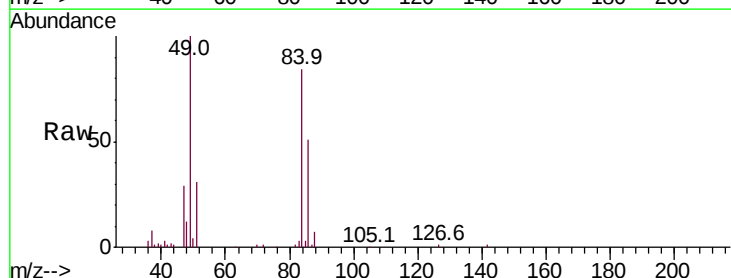
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

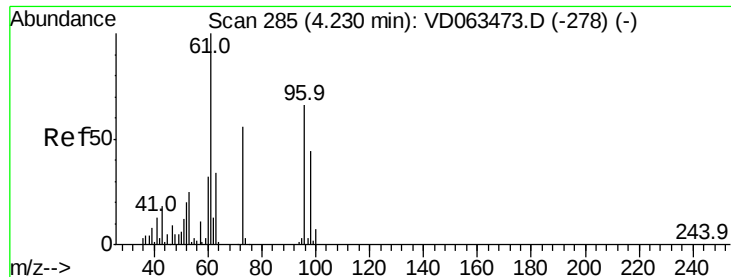
Tot Ion: 73 Resp: 379571
Ion Ratio Lower Upper
73 100
57 19.6 14.0 21.0



#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

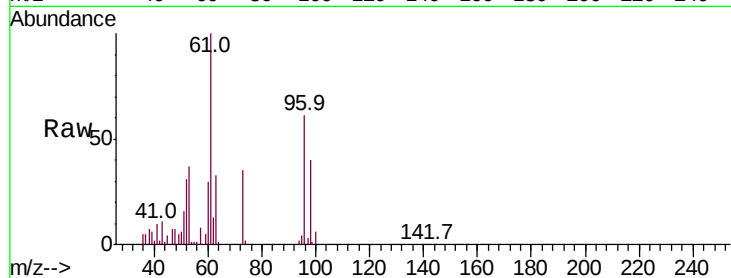
Tot Ion: 96 Resp: 197668

Ion Ratio Lower Upper

96 100

61 162.7 121.7 182.5

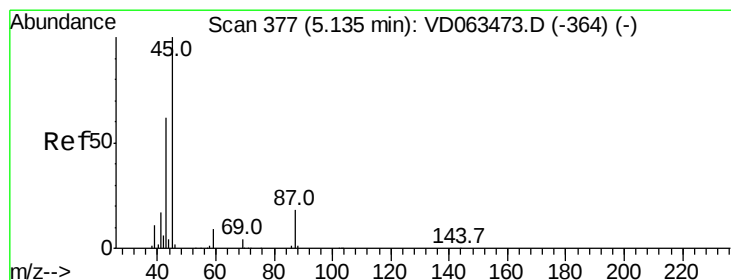
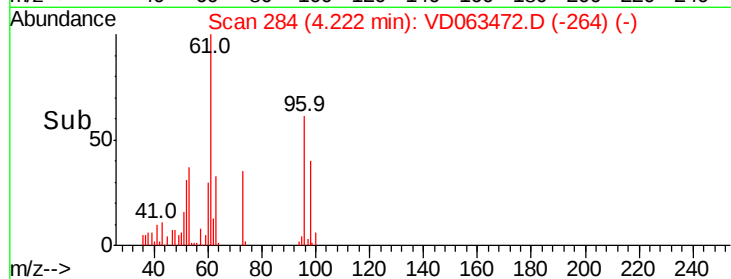
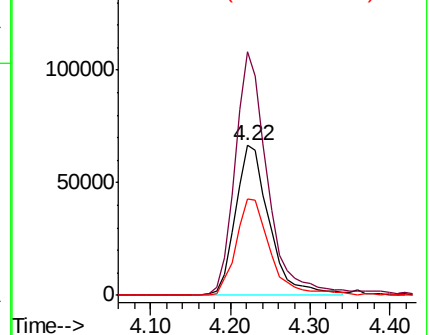
98 64.7 54.2 81.2



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

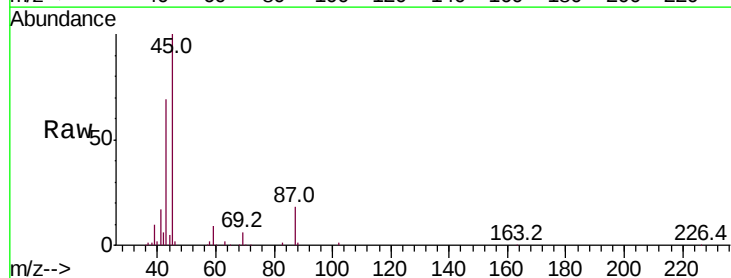
Ion Ratio Lower Upper

45 100

43 68.6 50.3 75.5

87 18.2 14.3 21.5

59 9.0 7.7 11.5

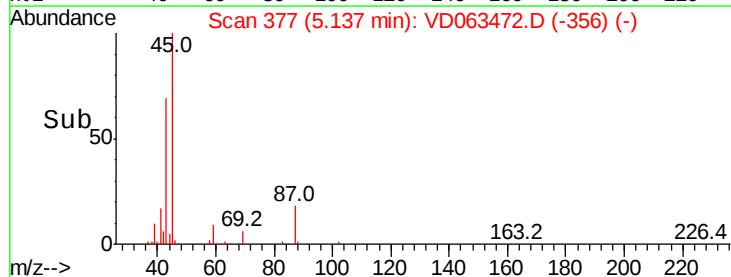
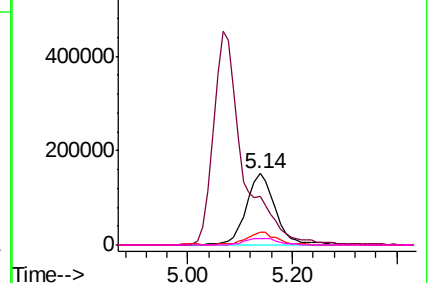


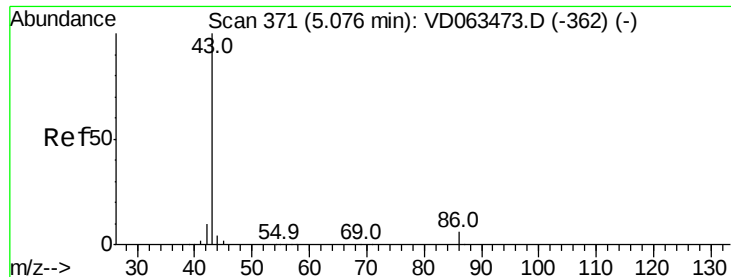
Abundance Ion 45.05 (44.75 to 45.75): VDC

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 :

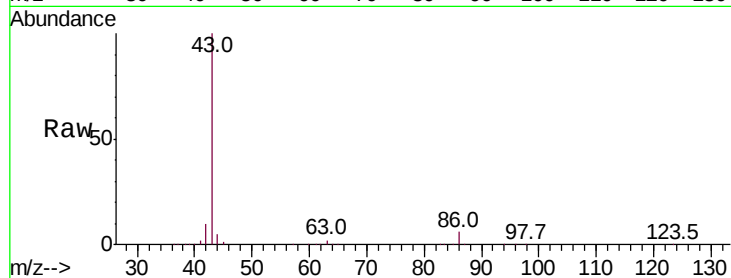
VSTDIC020

Tot Ion: 43 Resp: 1754356

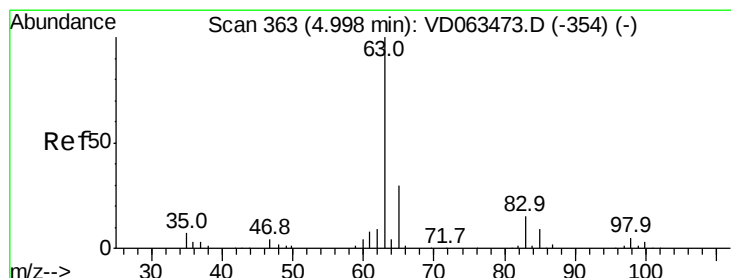
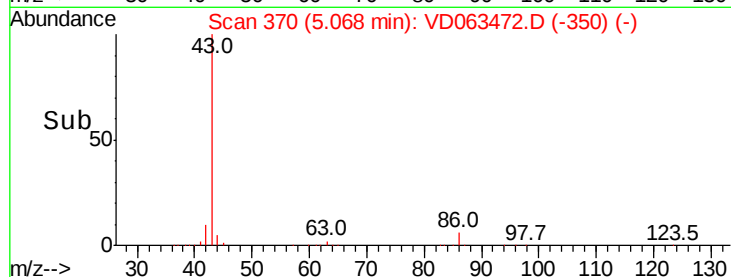
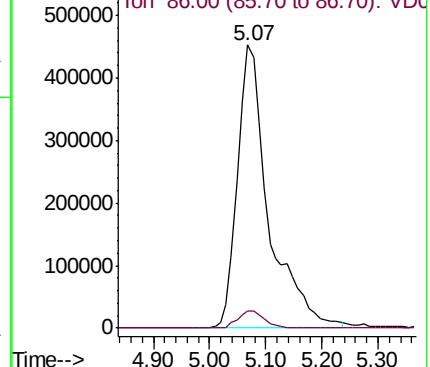
Ion Ratio Lower Upper

43 100

86 5.9 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC



#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

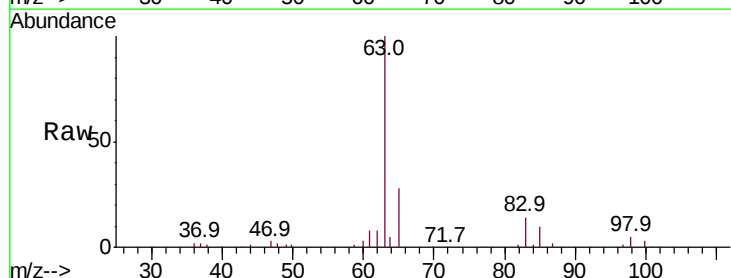
Tgt Ion: 63 Resp: 372410

Ion Ratio Lower Upper

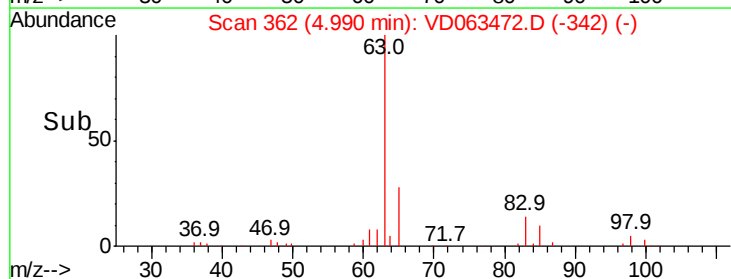
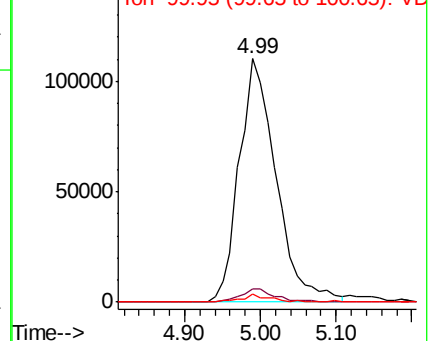
63 100

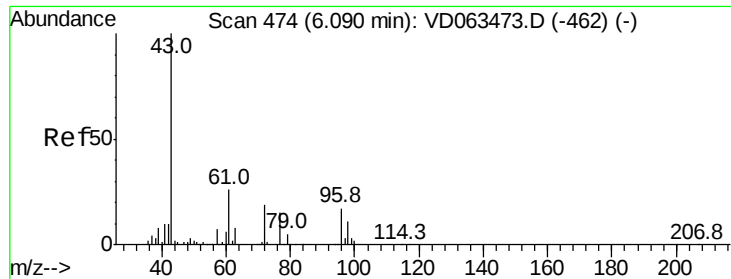
98 5.2 2.4 7.2

100 3.3 1.3 3.8



Abundance Ion 62.95 (62.65 to 63.65): VDC





#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 :

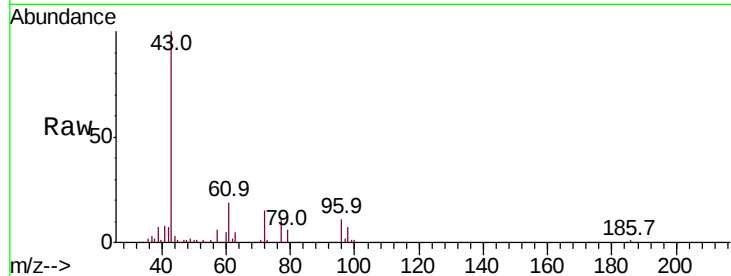
VSTDIC020

Tot Ion: 43 Resp: 246916

Ion Ratio Lower Upper

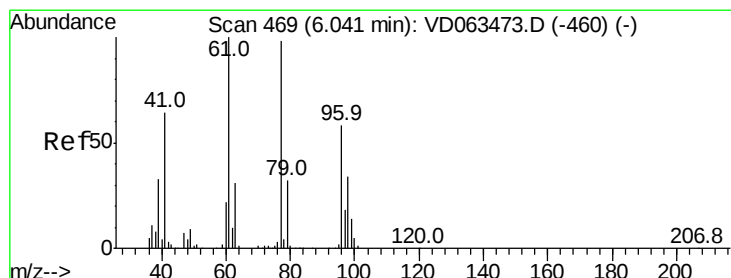
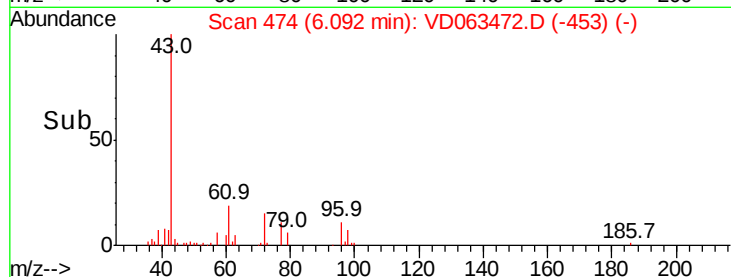
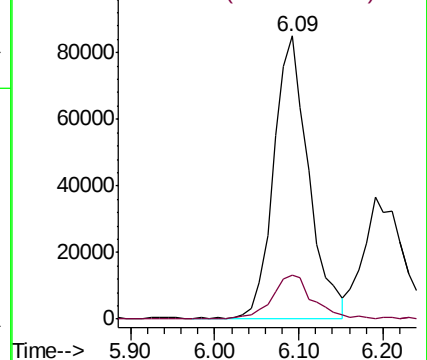
43 100

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

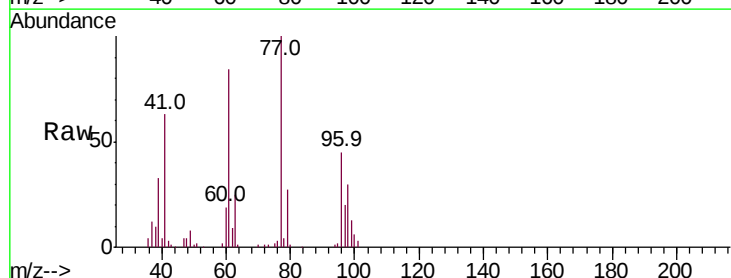
Acq: 9 Aug 2019 14:29

Tgt Ion: 77 Resp: 378654

Ion Ratio Lower Upper

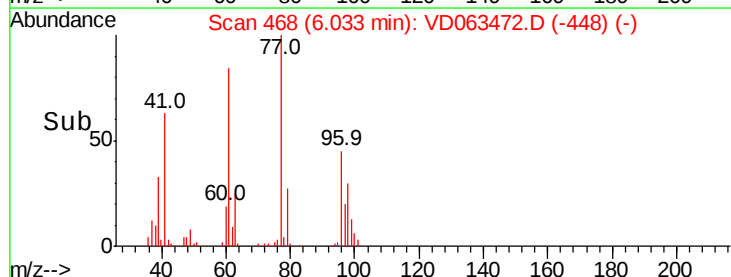
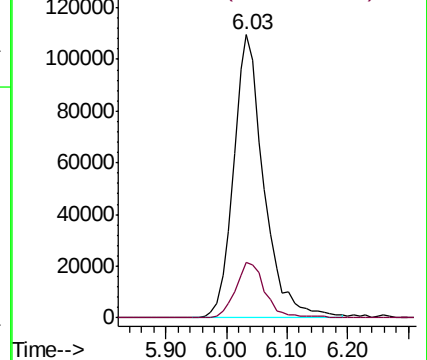
77 100

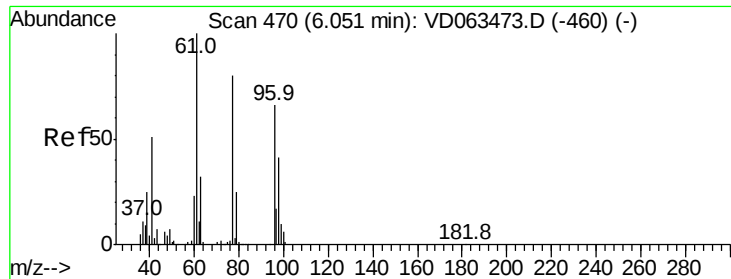
97 19.6 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



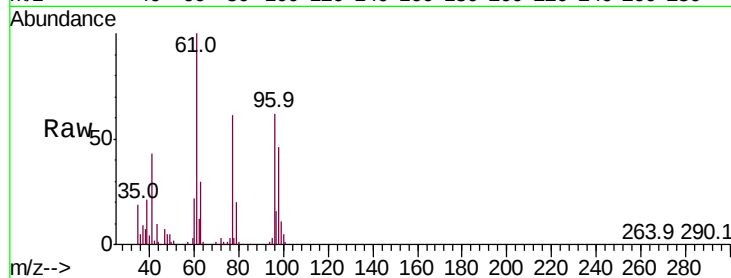


#27

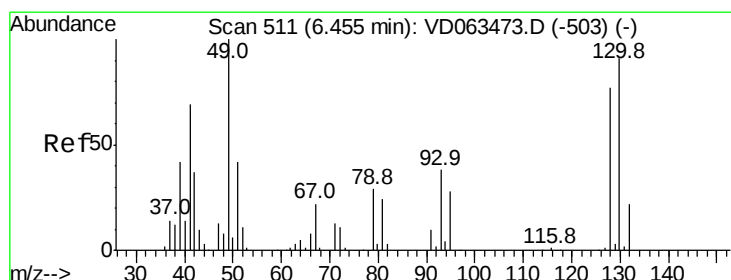
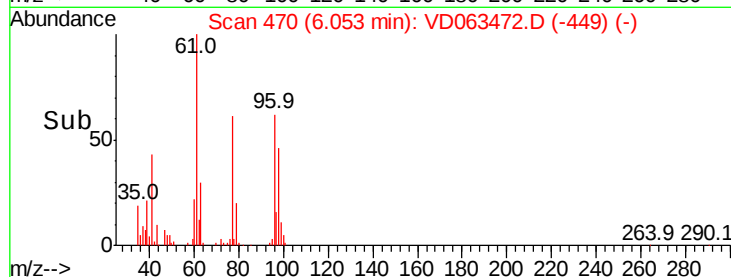
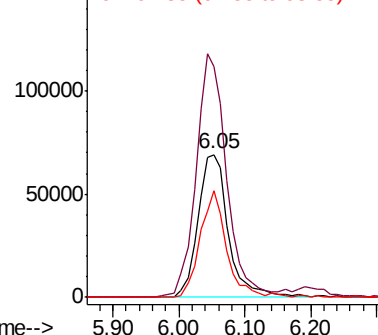
cis-1,2-Dichloroethene
Concen: 21.814 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	304.0
98	74.8	0.0	124.8



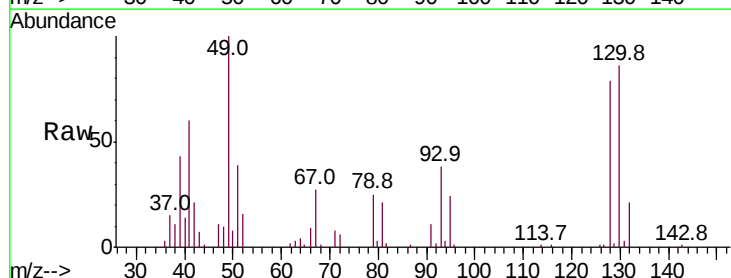
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



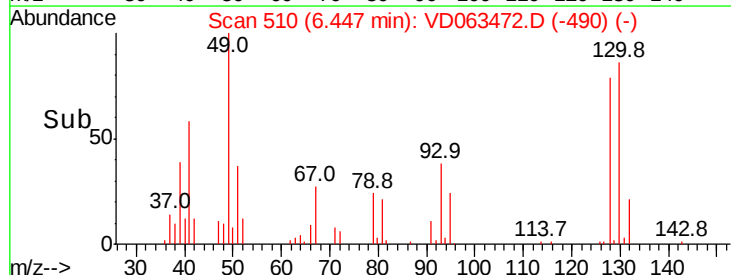
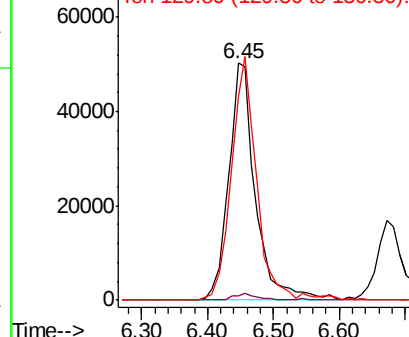
#28

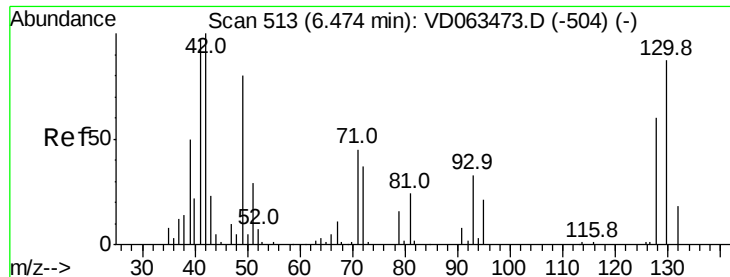
Bromochloromethane
Concen: 20.547 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Tgt Ion	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): VDC
Ion 129.80 (129.50 to 130.50): VDC





#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

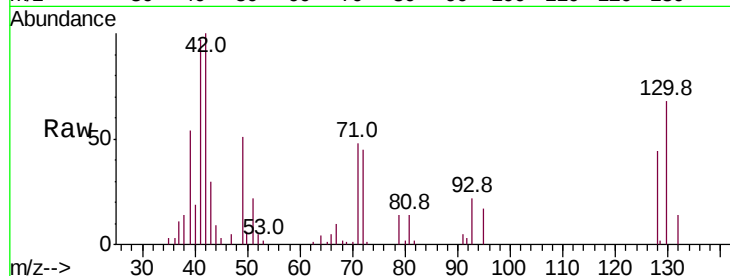
Tot Ion: 42 Resp: 113990

Ion Ratio Lower Upper

42 100

72 42.9 31.5 47.3

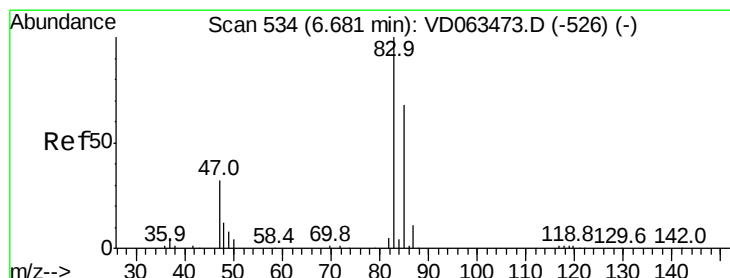
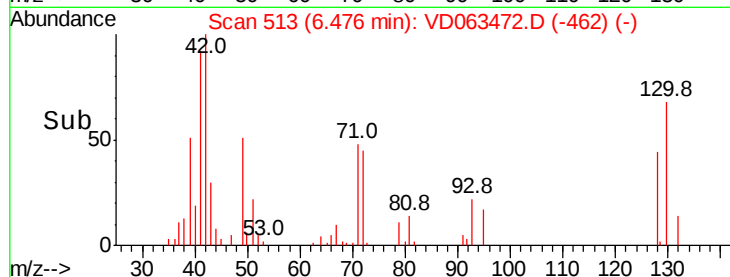
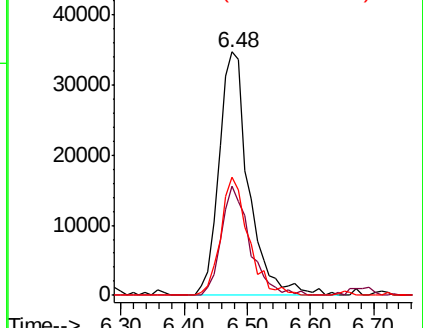
71 45.2 33.8 50.8



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

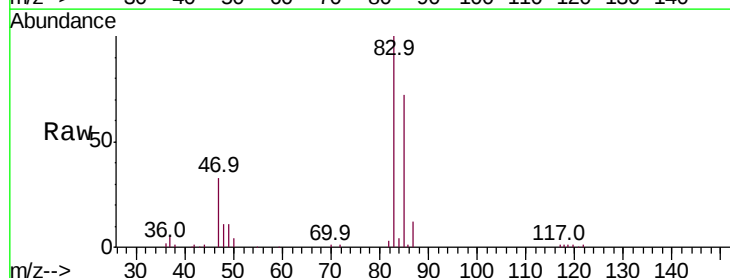
Acq: 9 Aug 2019 14:29

Tgt Ion: 83 Resp: 468528

Ion Ratio Lower Upper

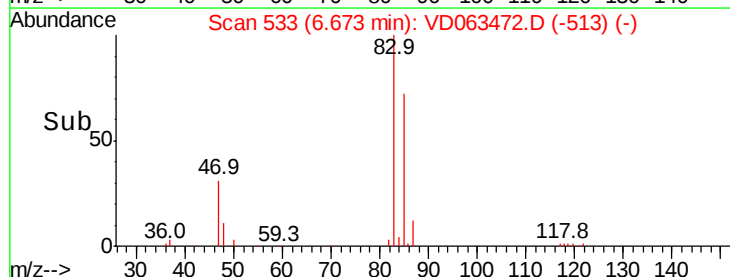
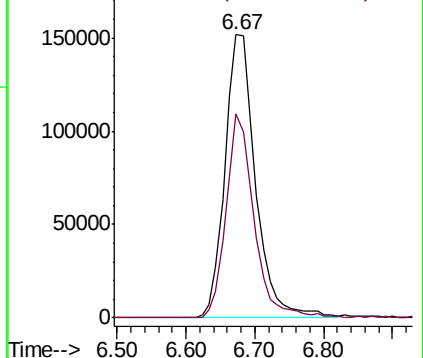
83 100

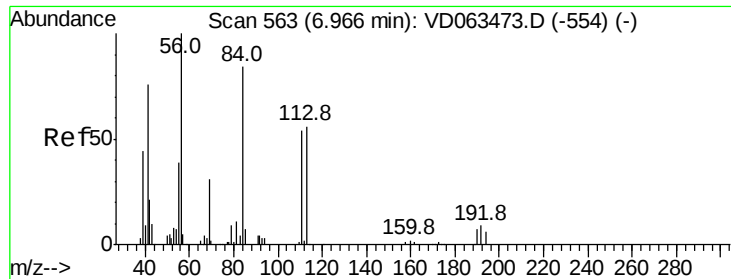
85 72.2 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

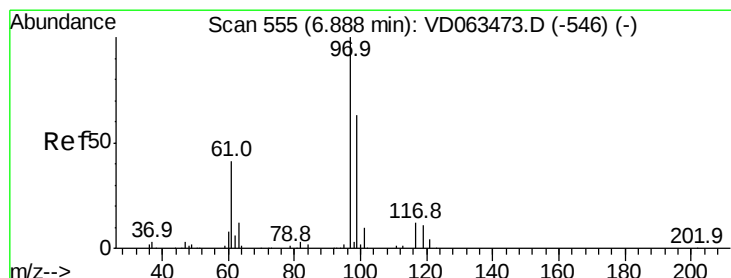
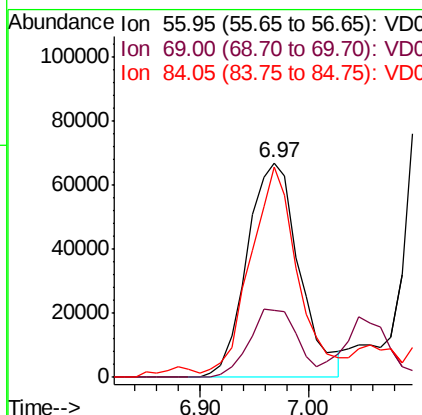
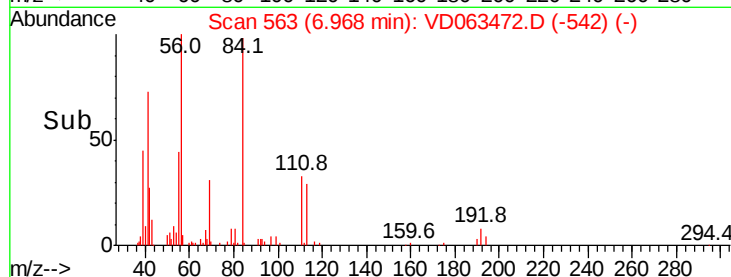
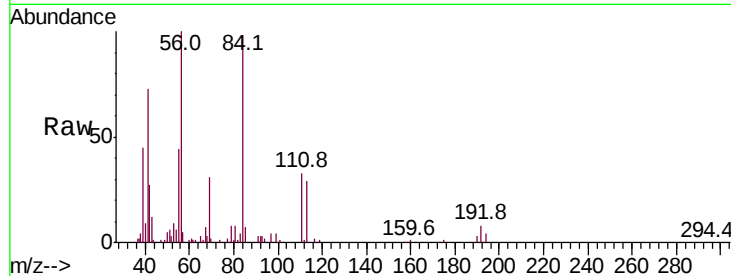




#31
Cyclohexane
Concen: 21.095 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

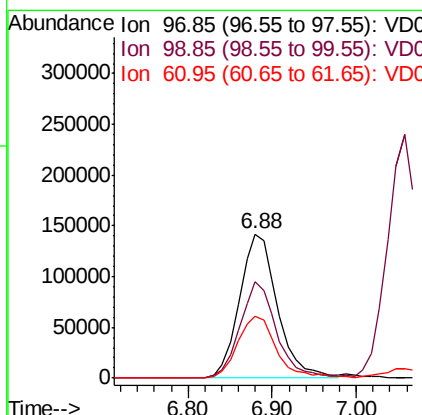
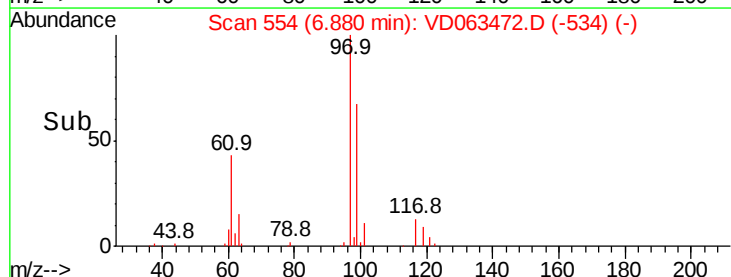
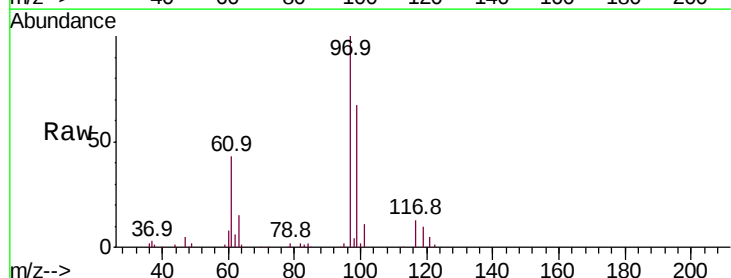
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

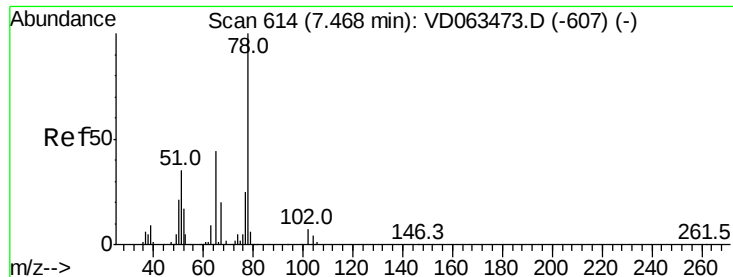
Tot Ion: 56 Resp: 223824
Ion Ratio Lower Upper
56 100
69 31.1 25.0 37.6
84 98.3 69.7 104.5



#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

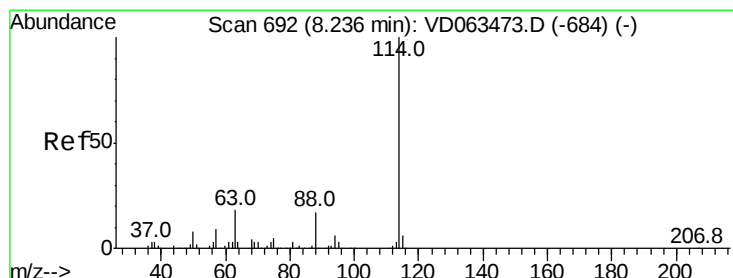
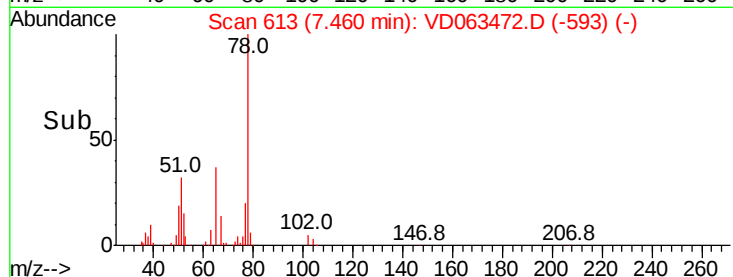
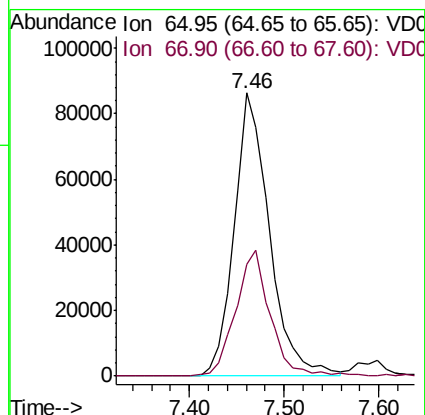
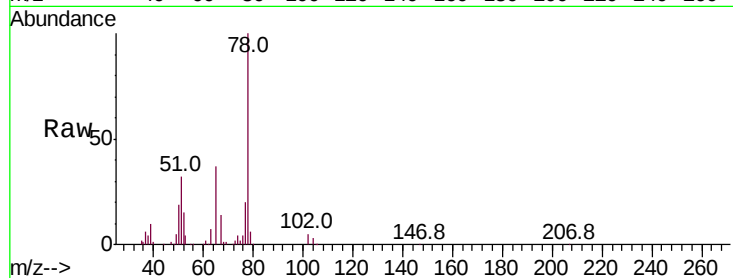




#33
 1,2-Dichloroethane-d4
 Concen: 18.911 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

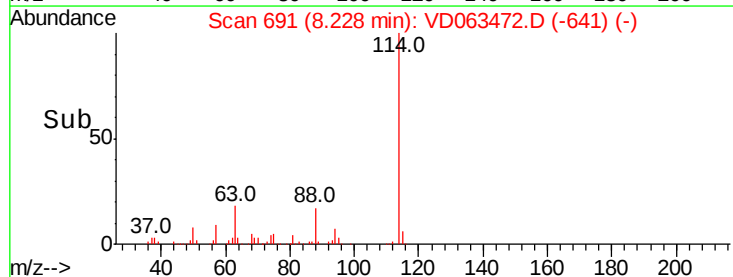
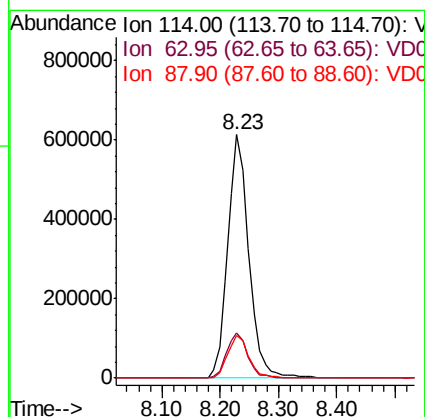
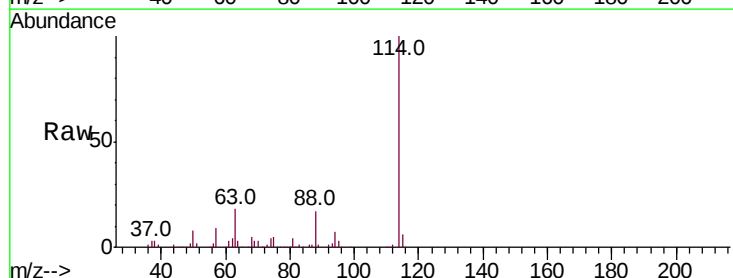
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

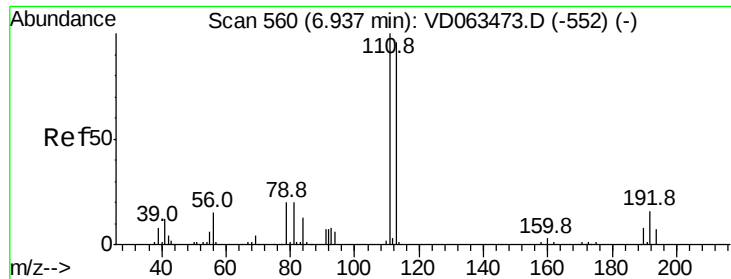
Tot Ion: 65 Resp: 222203
 Ion Ratio Lower Upper
 65 100
 67 39.4 0.0 89.2



#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





#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

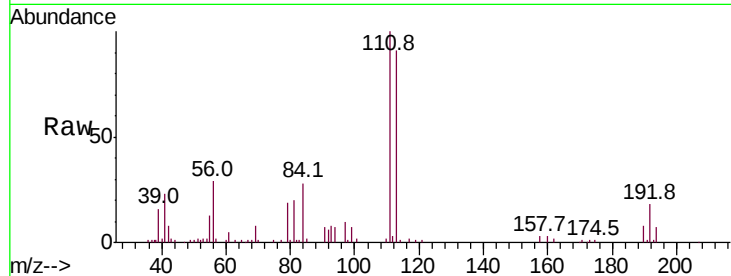
Tot Ion:113 Resp: 256886

Ion Ratio Lower Upper

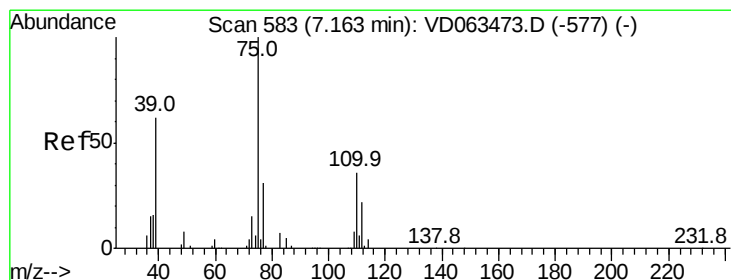
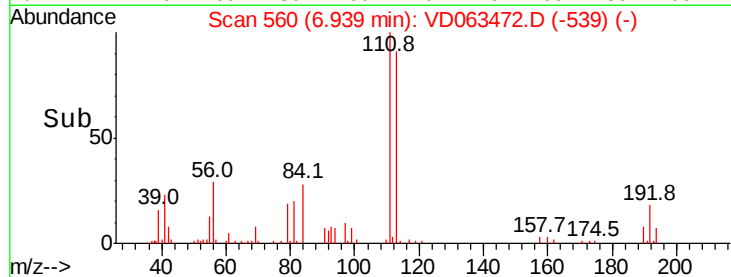
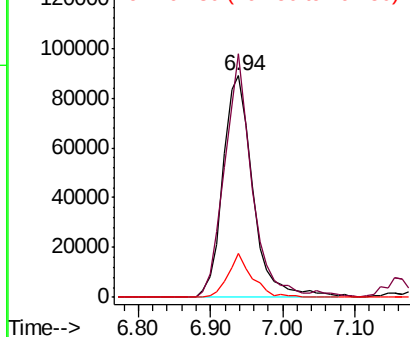
113 100

111 109.9 83.1 124.7

192 20.0 13.1 19.7#



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



#36

1,1-Dichloropropene

Concen: 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

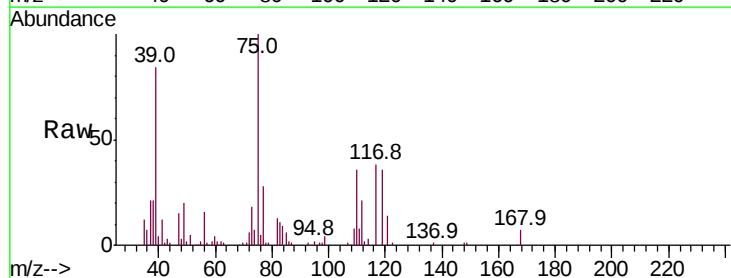
Tgt Ion: 75 Resp: 287966

Ion Ratio Lower Upper

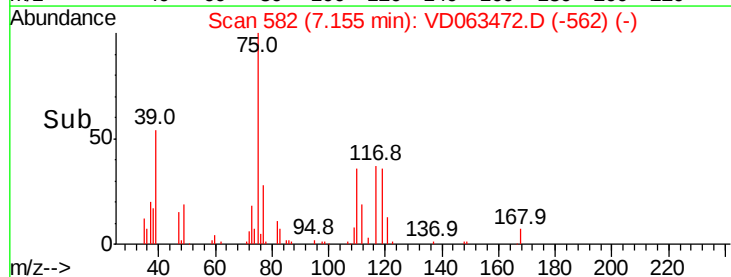
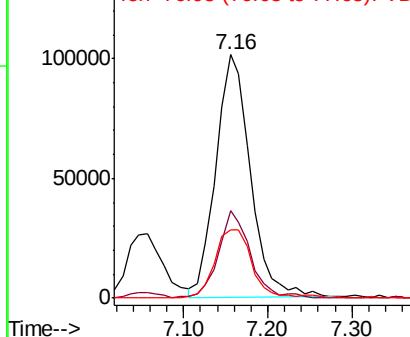
75 100

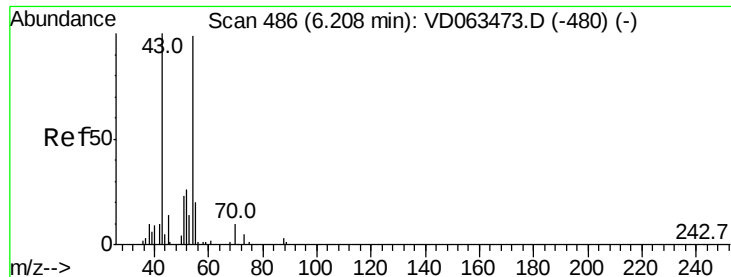
110 36.1 17.6 52.8

77 28.3 24.3 36.5



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

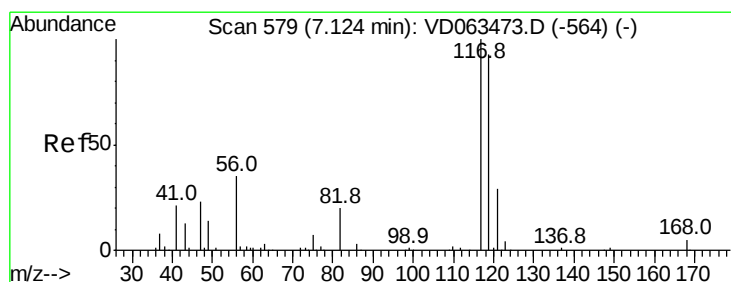
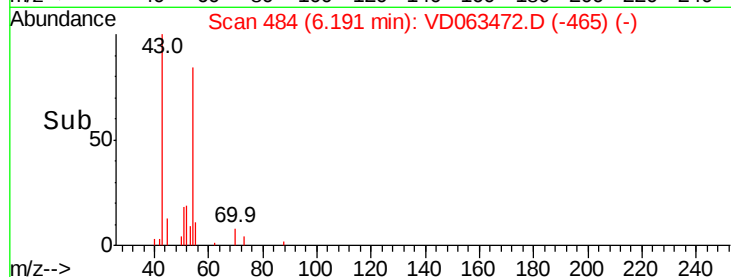
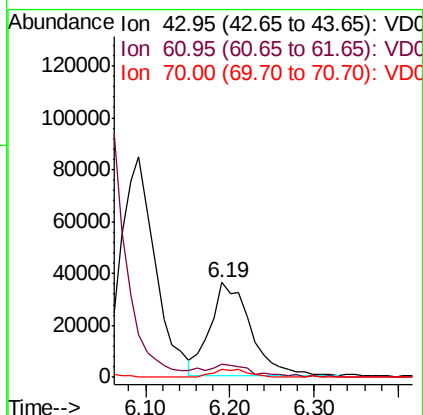
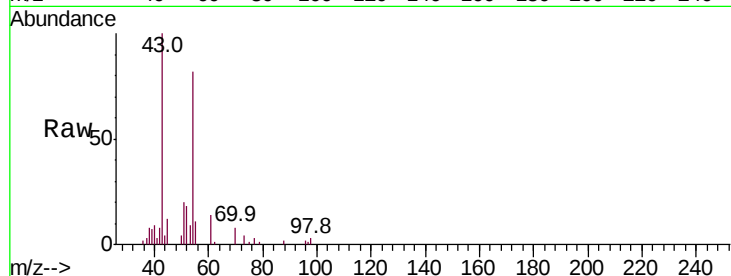




#37
Ethyl Acetate
Concen: 20.728 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

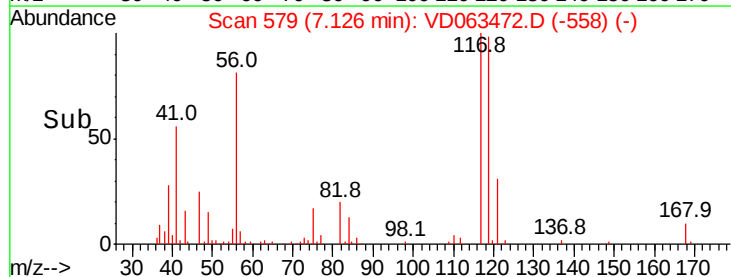
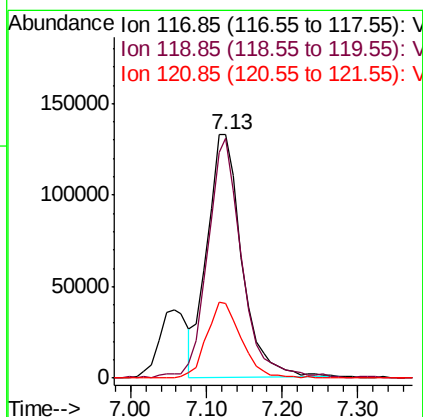
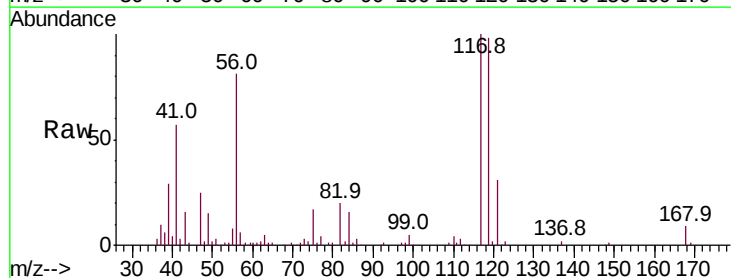
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

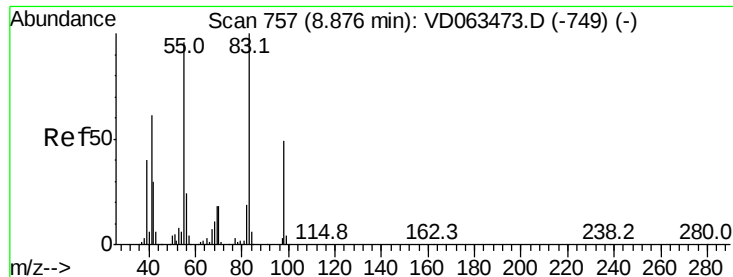
Tot Ion: 43 Resp: 118281
Ion Ratio Lower Upper
43 100
61 13.9 9.0 13.6#
70 8.0 6.9 10.3



#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

Methvlcvclohexane

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

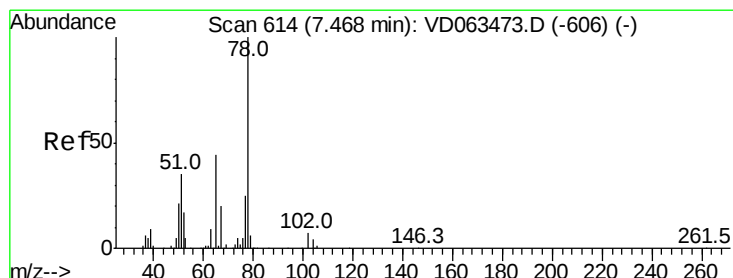
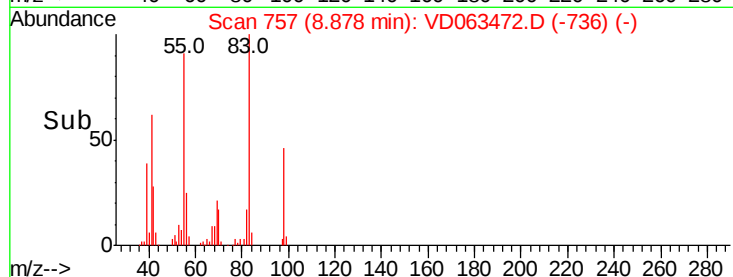
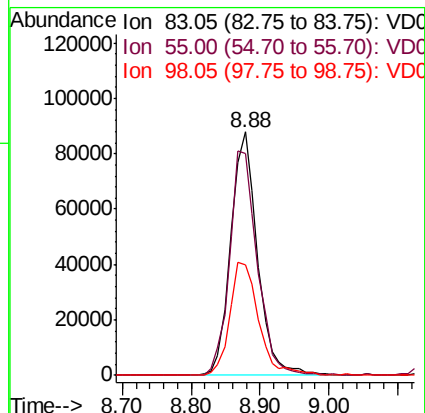
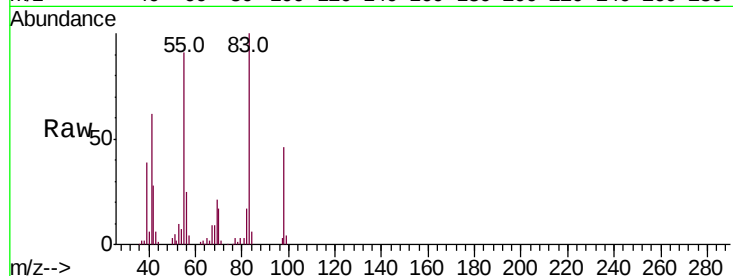
Tot Ion: 83 Resp: 236026

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

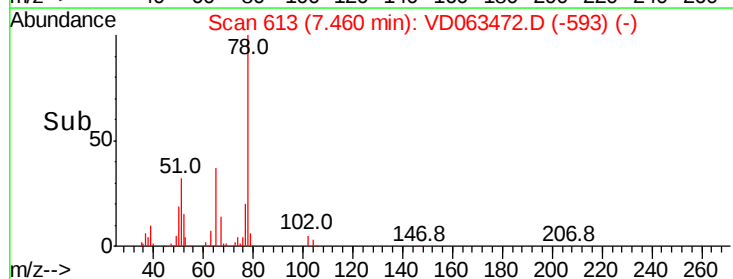
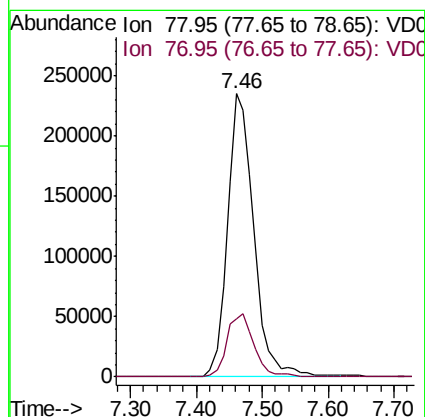
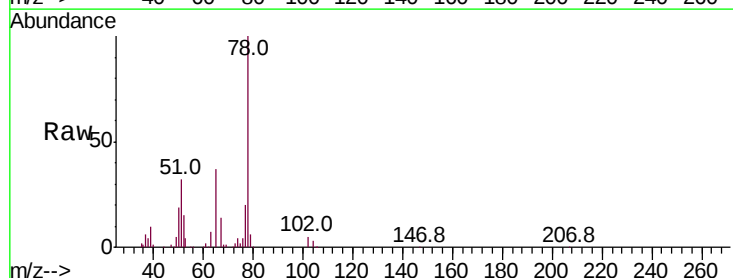
Acq: 9 Aug 2019 14:29

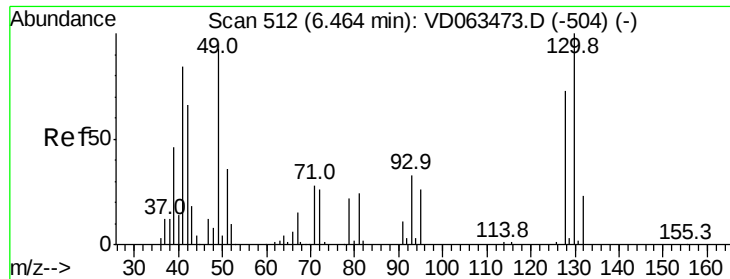
Tgt Ion: 78 Resp: 655555

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

Tot Ion: 41 Resp: 161527

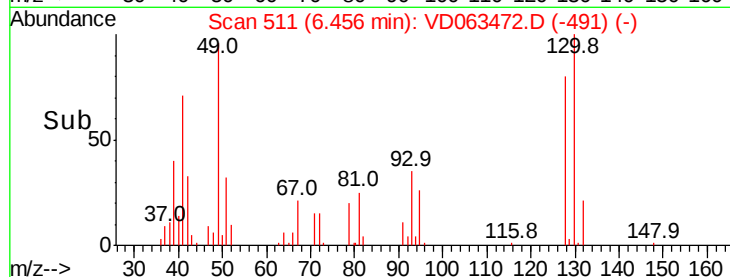
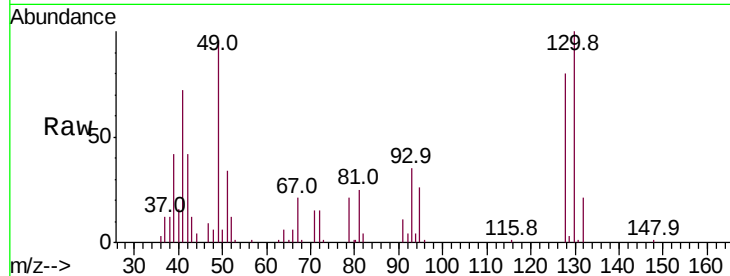
Ion Ratio Lower Upper

41 100

39 57.5 44.6 66.8

67 29.2 14.4 21.6#

52 16.1 9.3 13.9#

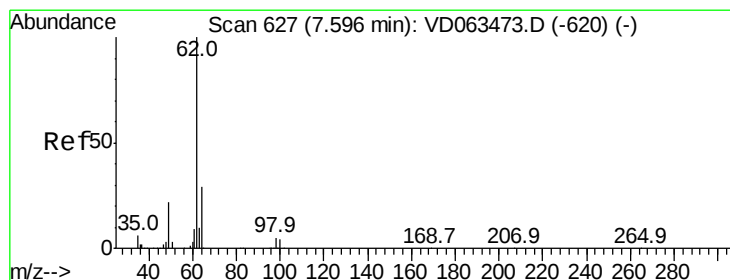
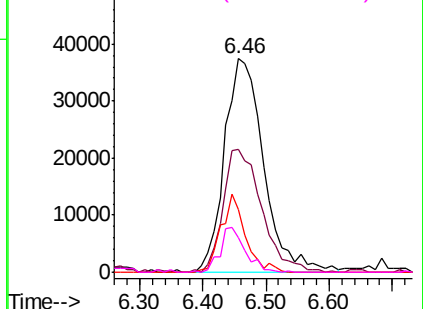


Abundance Ion 40.95 (40.65 to 41.65): VDC

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

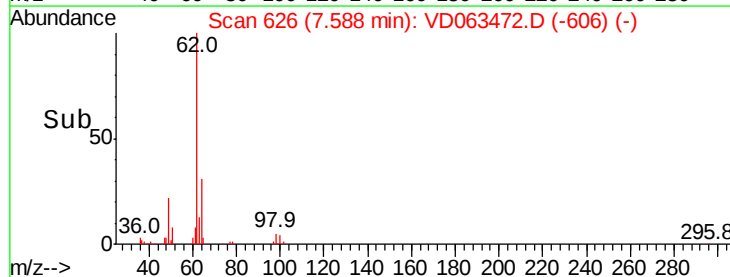
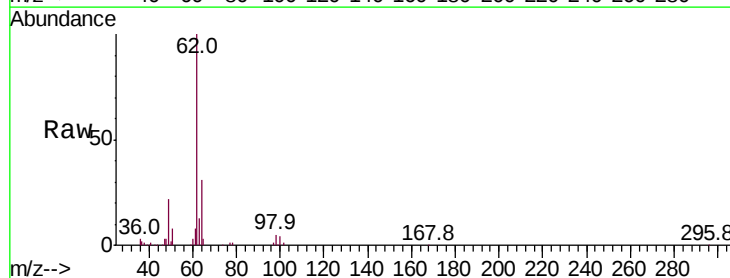
Acq: 9 Aug 2019 14:29

Tgt Ion: 62 Resp: 337852

Ion Ratio Lower Upper

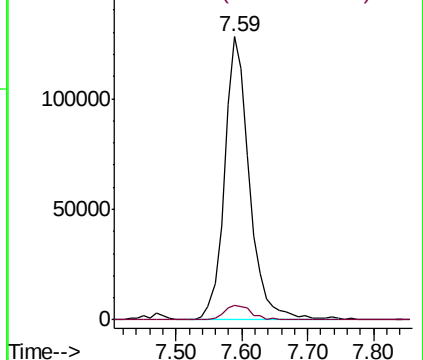
62 100

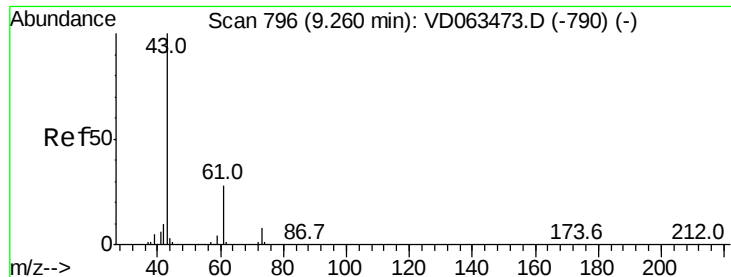
98 5.0 0.0 10.4



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

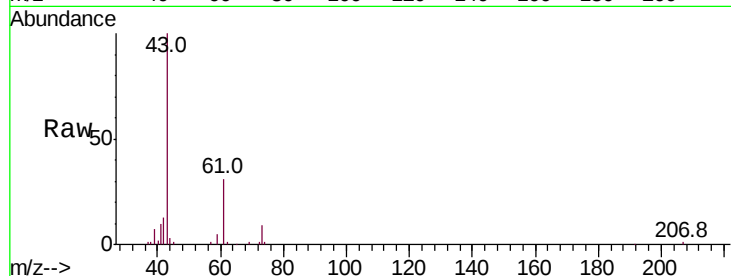
Tot Ion: 43 Resp: 169530

Ion Ratio Lower Upper

43 100

61 30.8 22.2 33.2

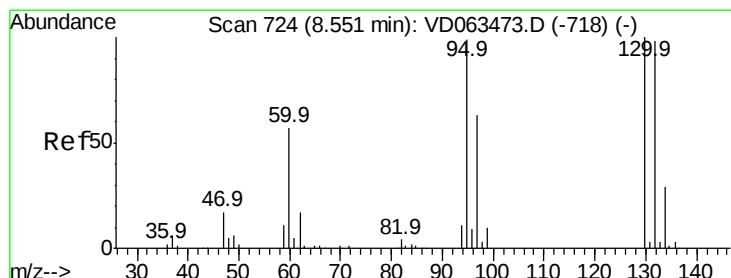
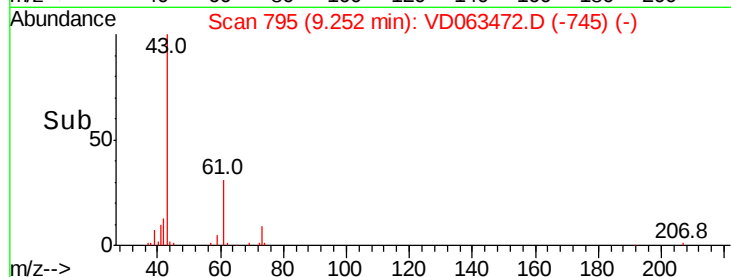
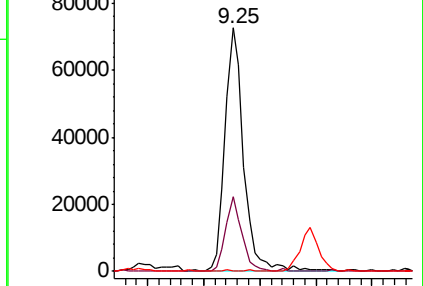
87 0.0 0.2 0.4#



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

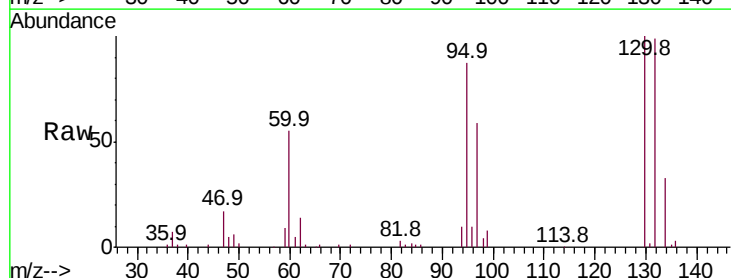
Acq: 9 Aug 2019 14:29

Tgt Ion:130 Resp: 251789

Ion Ratio Lower Upper

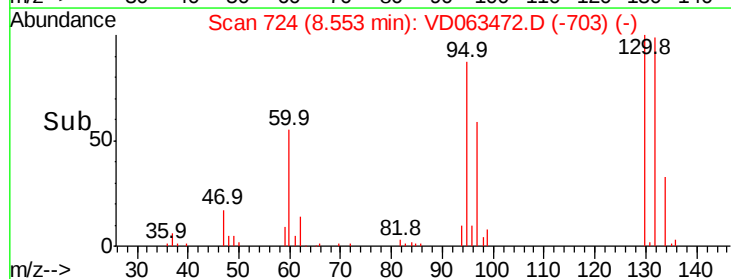
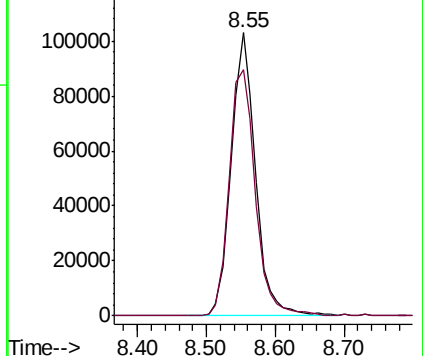
130 100

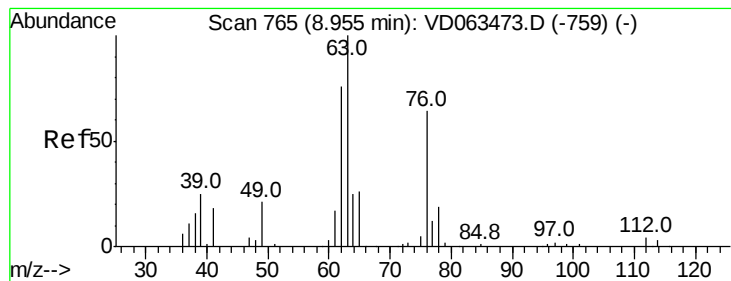
95 87.0 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

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 :

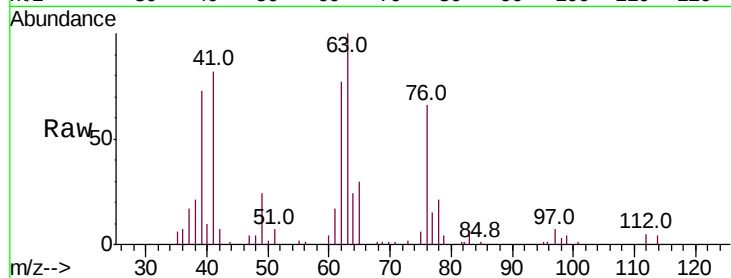
VSTDIC020

Tot 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

8.95

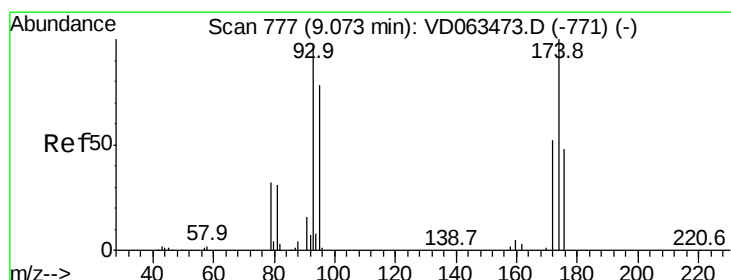
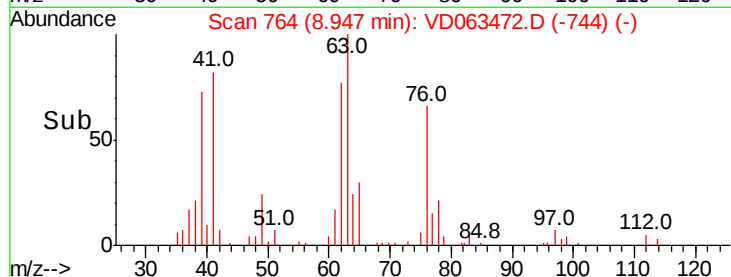
60000

40000

20000

0

Time-->



#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

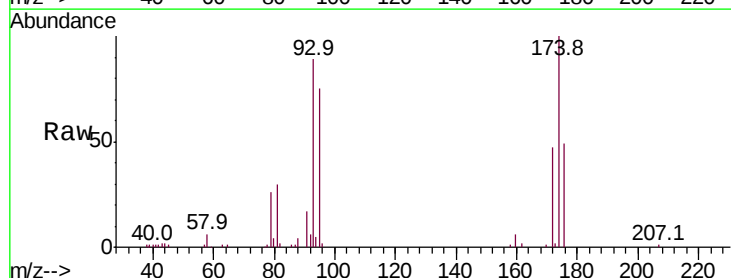
Tgt Ion: 93 Resp: 126941

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): V

80000

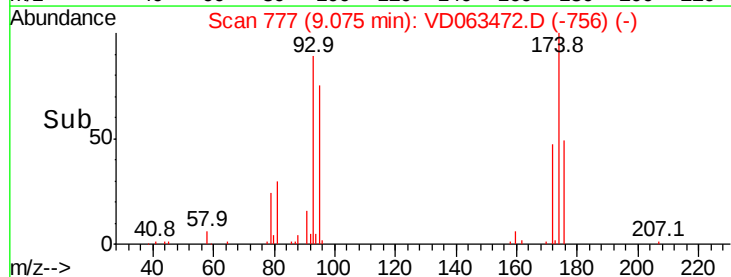
60000

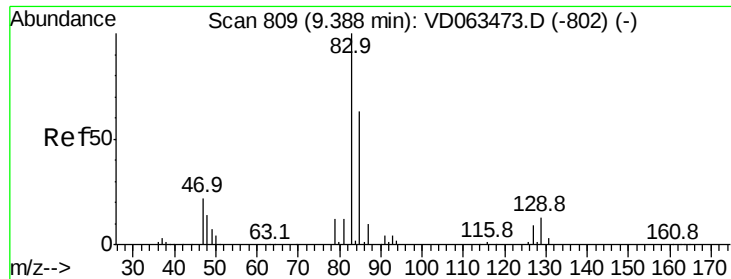
40000

20000

0

Time-->

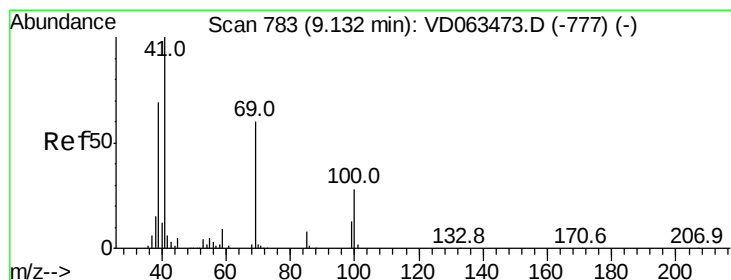
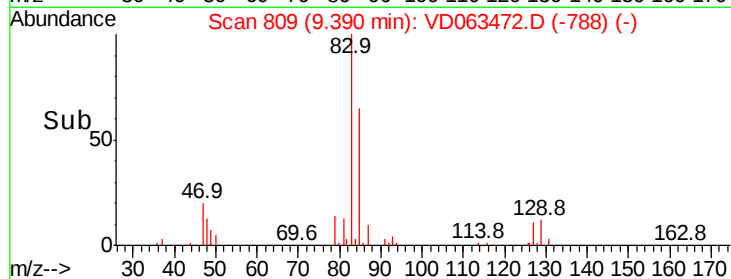
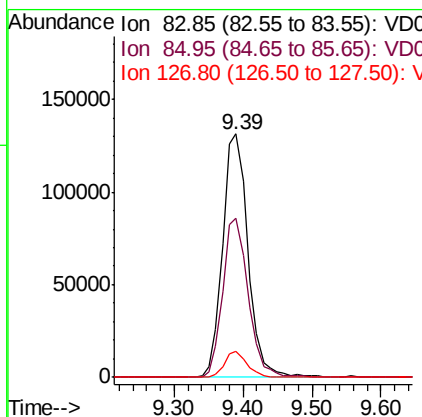
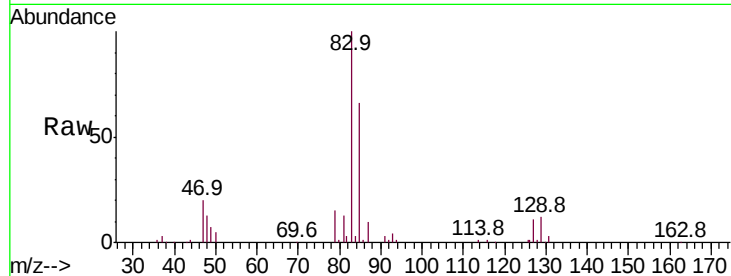




#47
Bromodichloromethane
Concen: 21.871 ug/l
RT: 9.39 min Scan# 809
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

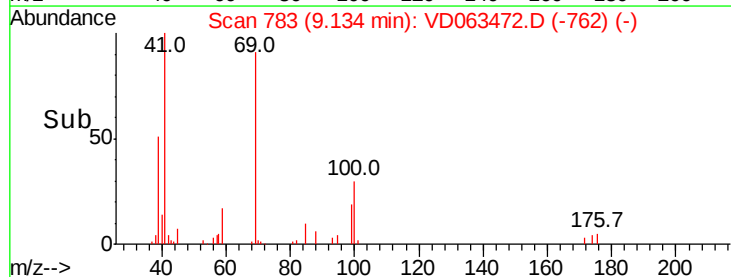
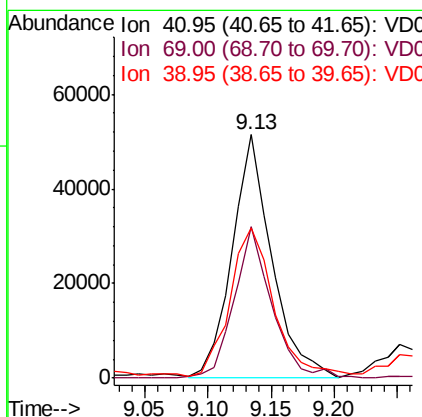
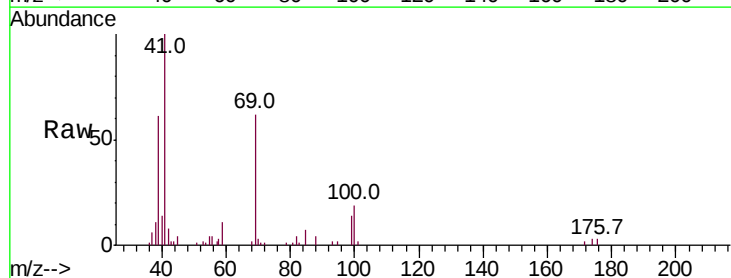
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

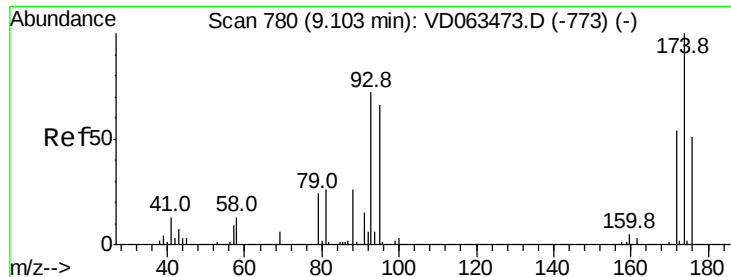
Tot Ion: 83 Resp: 335166
Ion Ratio Lower Upper
83 100
85 65.6 50.1 75.1
127 10.9 7.6 11.4



#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

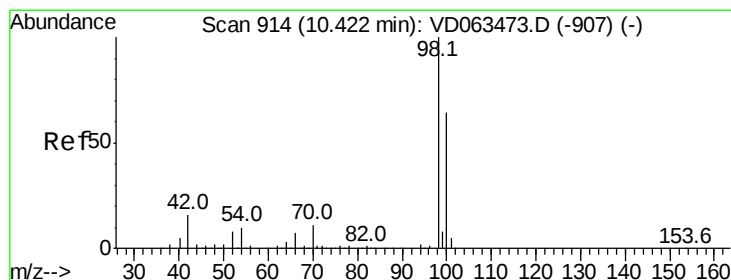
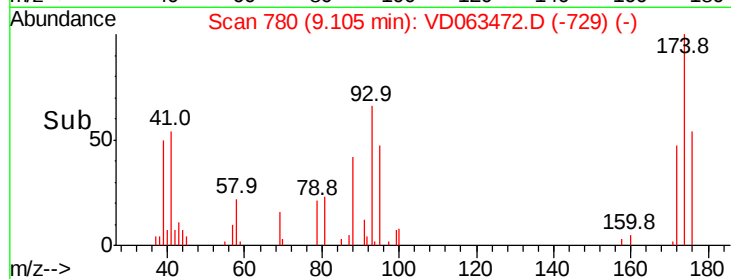
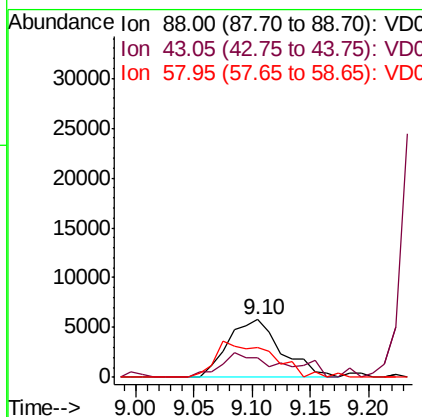
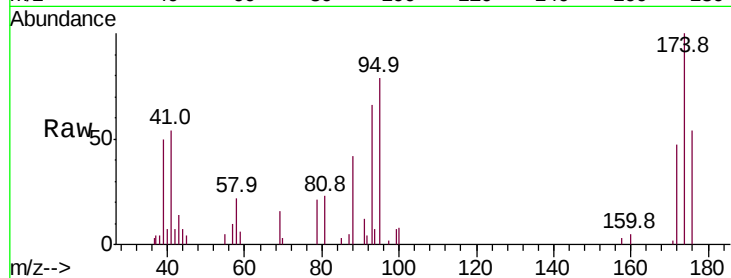




#49
 1,4-Dioxane
 Concen: 416.426 ug/l
 RT: 9.10 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

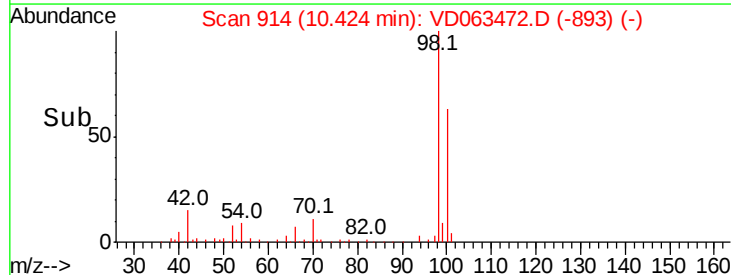
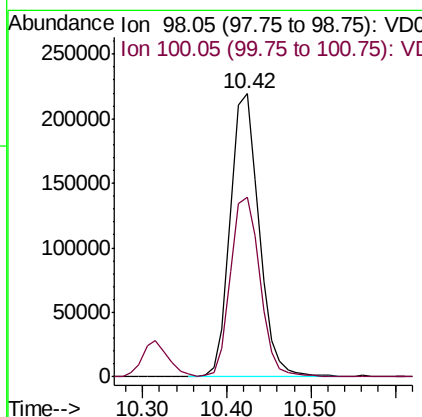
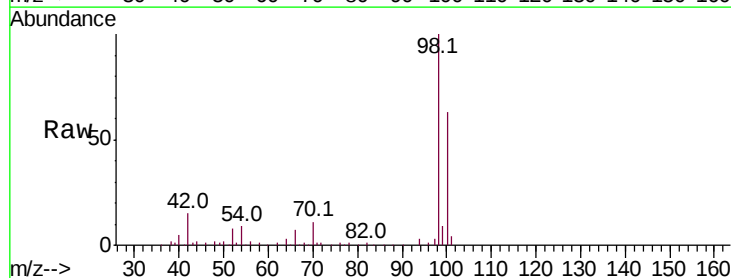
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

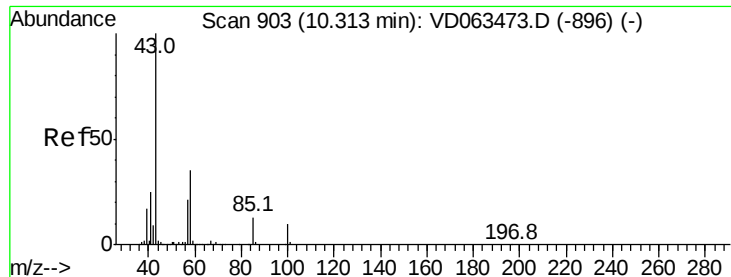
Tot Ion: 88 Resp: 18411
 Ion Ratio Lower Upper
 88 100
 43 33.5 22.9 34.3
 58 51.3 40.1 60.1



#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 :

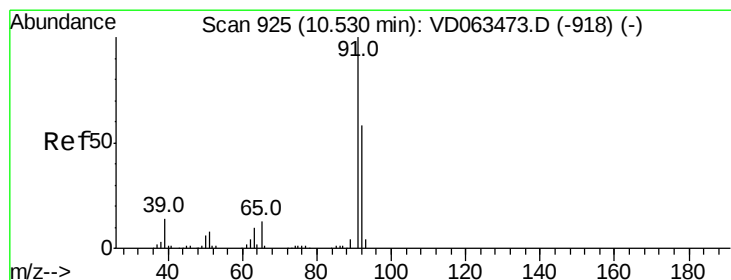
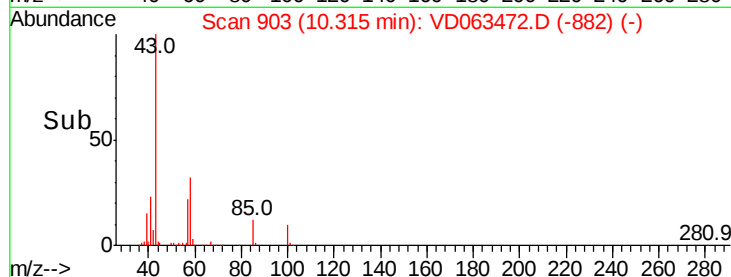
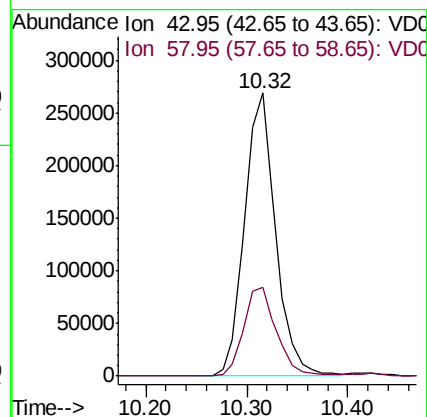
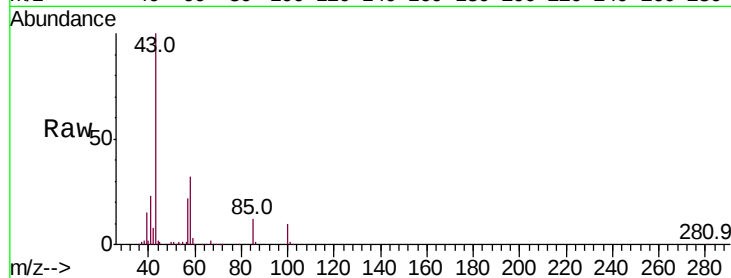
VSTDIC020

Tot 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

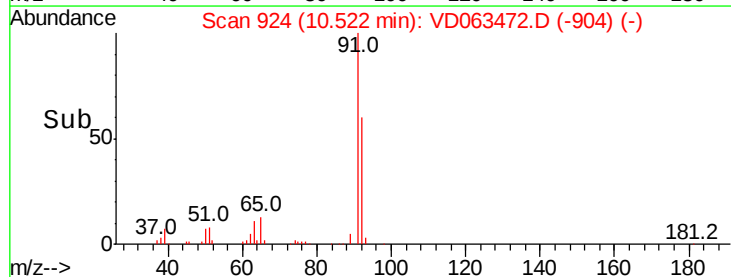
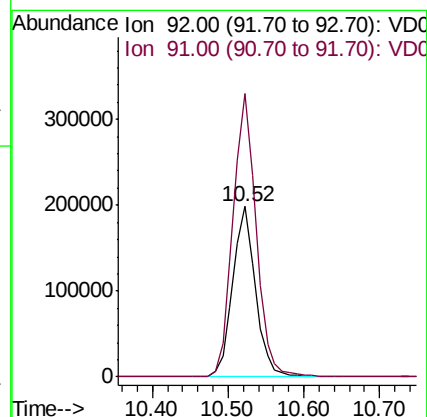
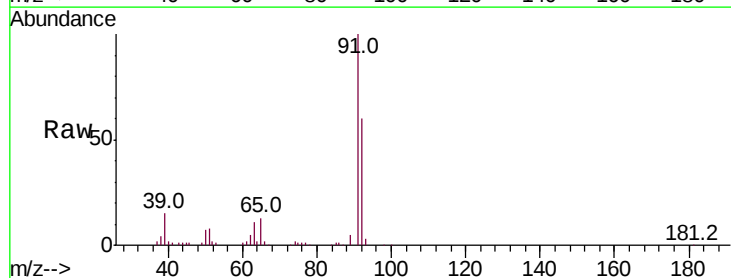
Acq: 9 Aug 2019 14:29

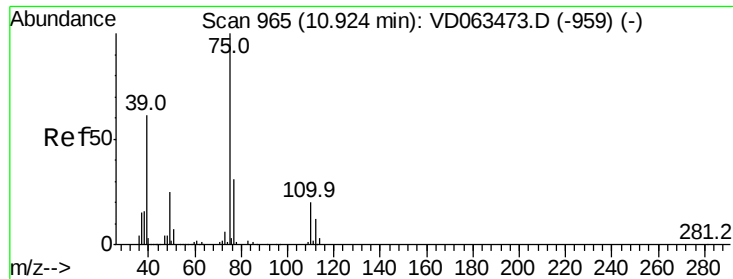
Tgt Ion: 92 Resp: 413141

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 :

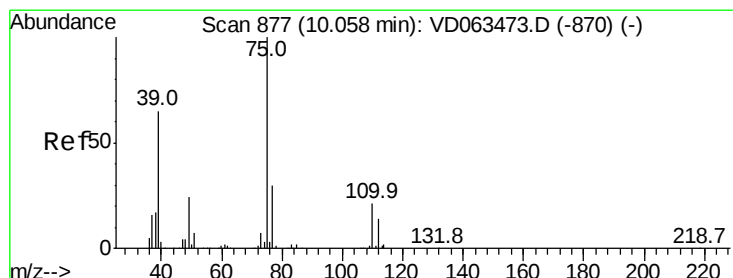
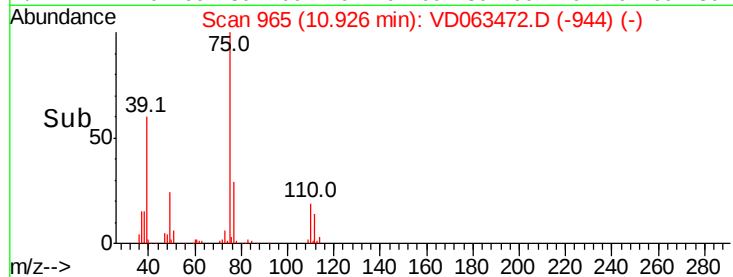
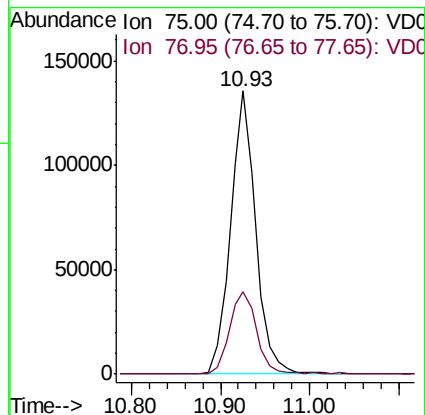
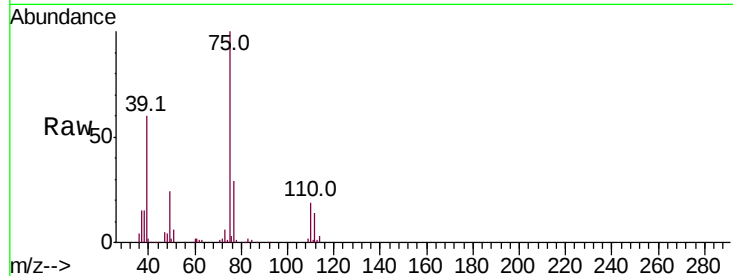
VSTDIC020

Tot 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

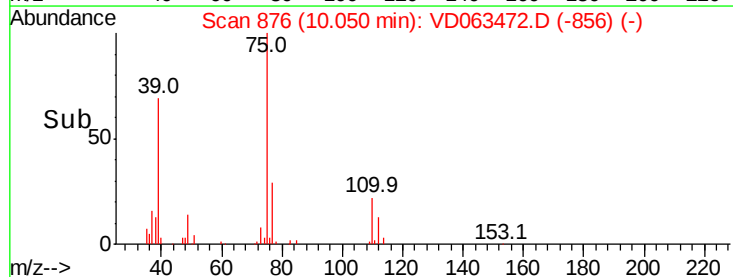
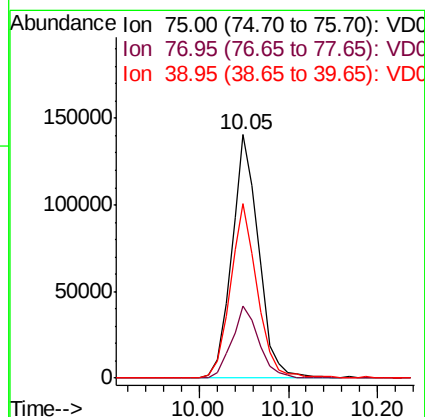
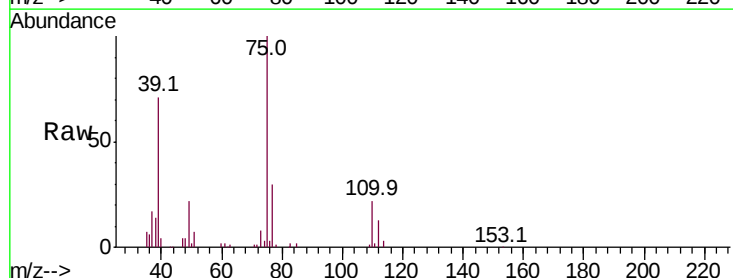
Tgt Ion: 75 Resp: 295805

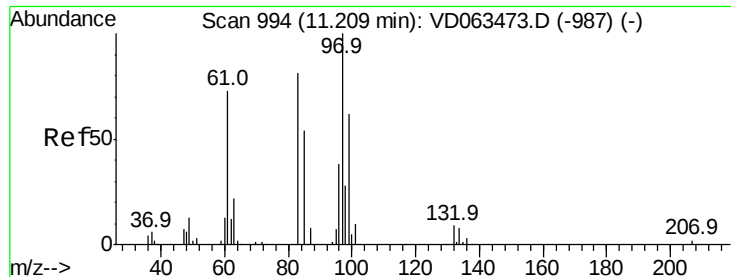
Ion Ratio Lower Upper

75 100

77 29.8 23.7 35.5

39 71.4 52.2 78.4

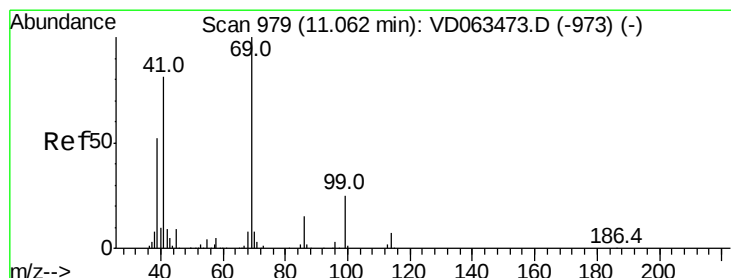
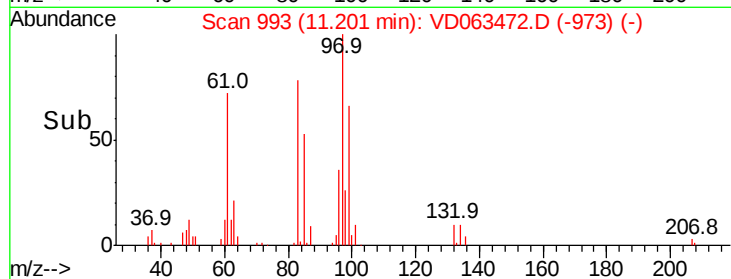
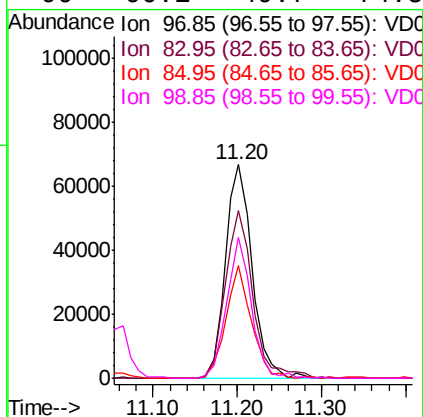
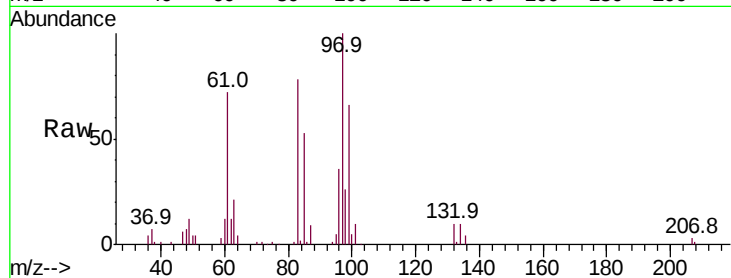




#55
 1,1,2-Trichloroethane
 Concen: 22.315 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

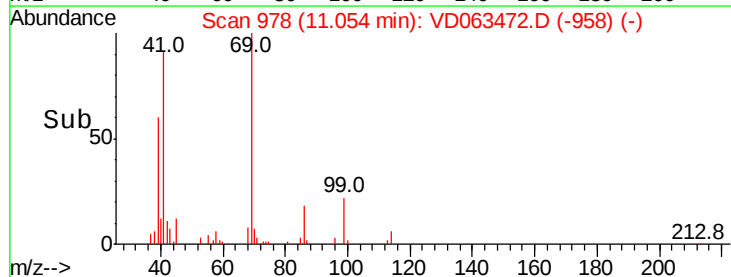
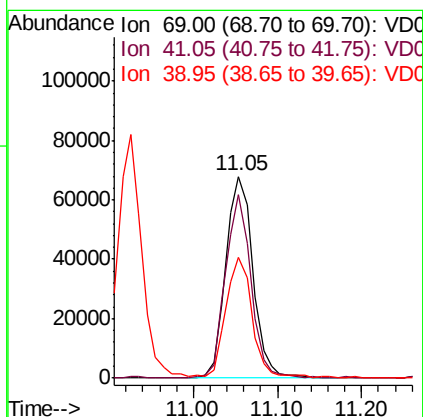
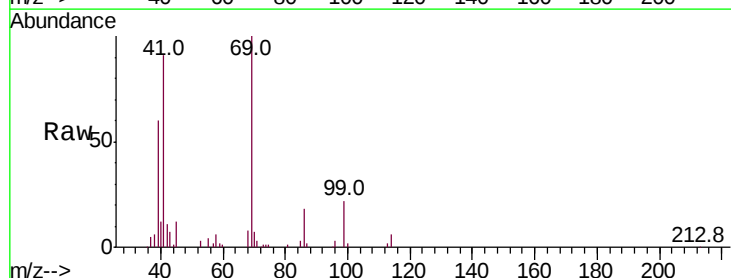
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

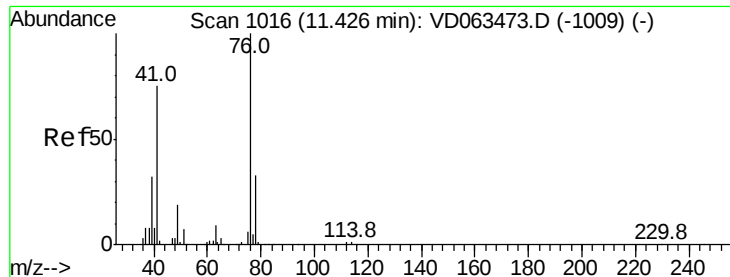
Tot Ion:	97	Resp:	145856
Ion	Ratio	Lower	Upper
97	100		
83	78.5	64.7	97.1
85	52.7	42.9	64.3
99	66.1	49.7	74.5



#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





#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 :

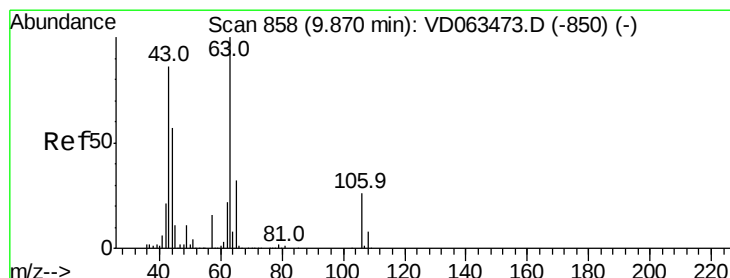
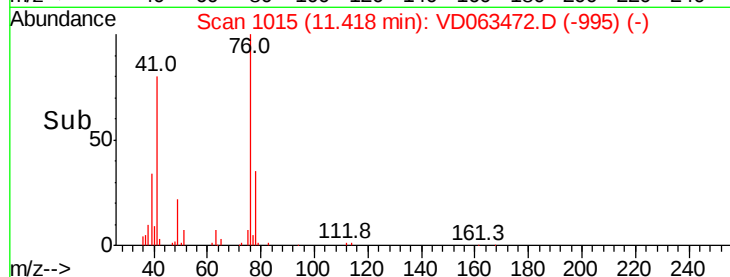
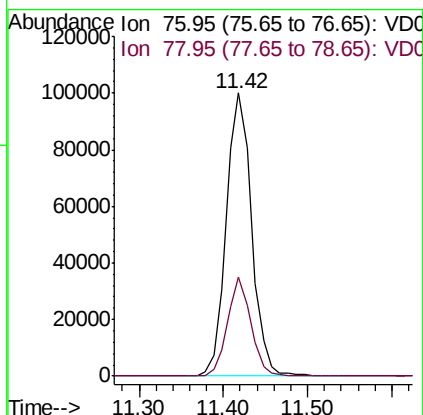
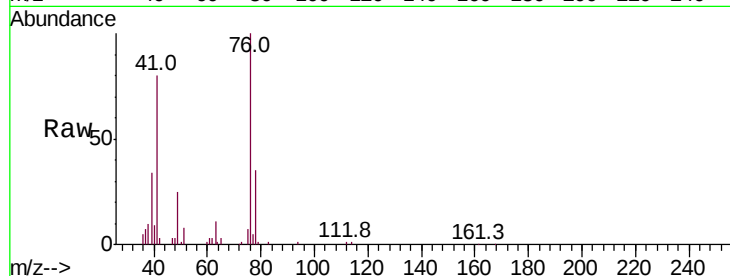
VSTDIC020

Tot 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

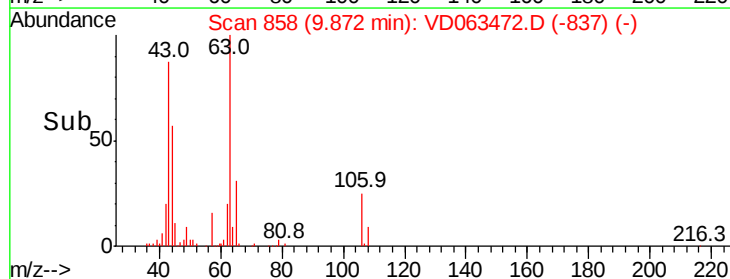
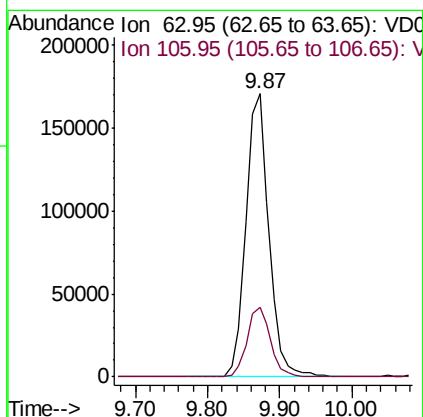
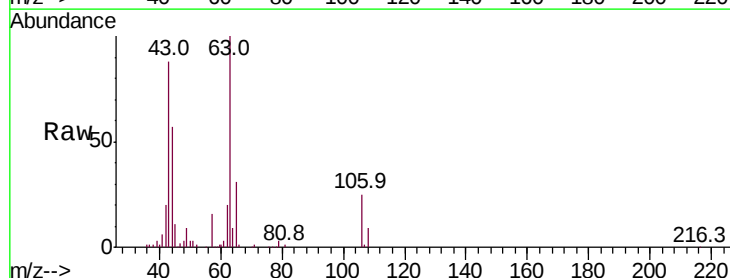
Acq: 9 Aug 2019 14:29

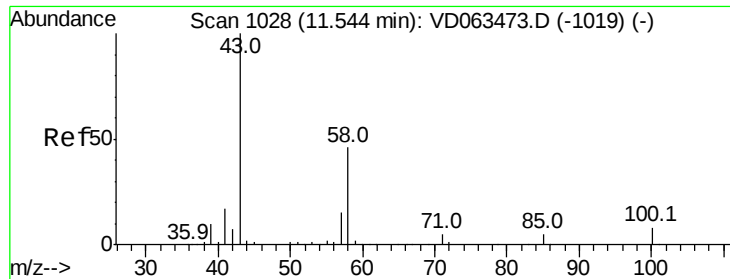
Tgt Ion: 63 Resp: 380852

Ion Ratio Lower Upper

63 100

106 24.6 20.8 31.2

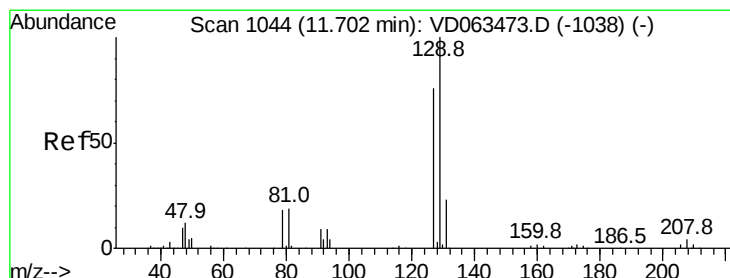
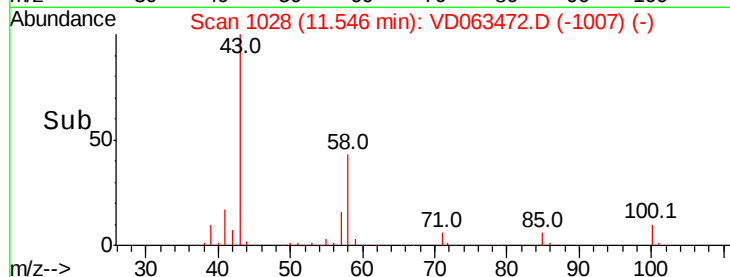
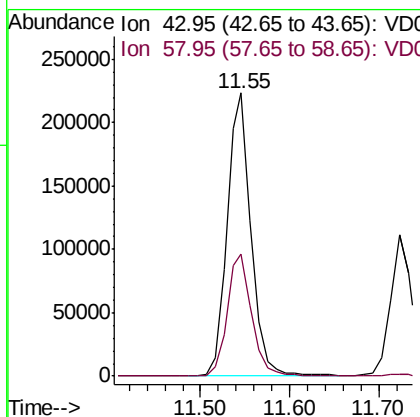
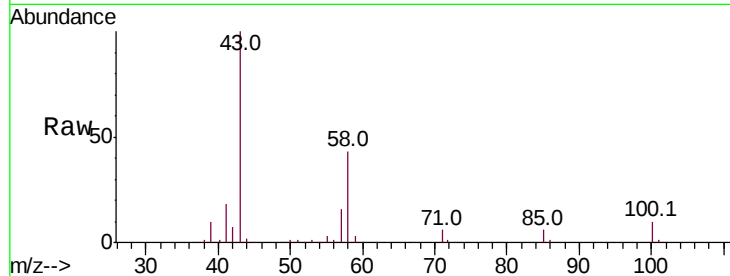




#59
2-Hexanone
Concen: 110.306 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

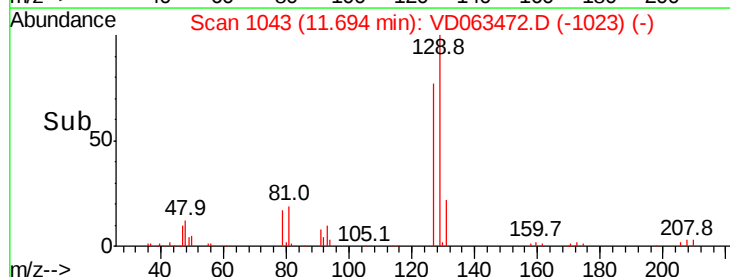
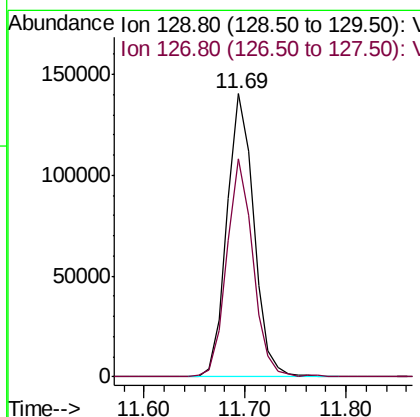
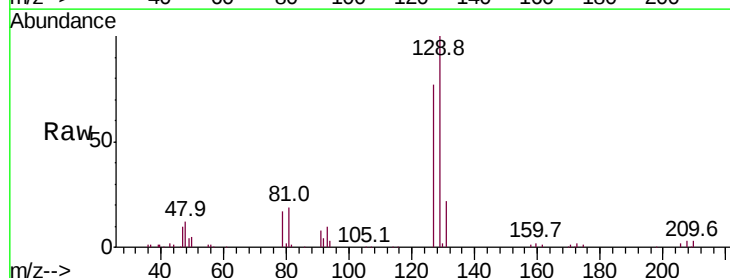
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

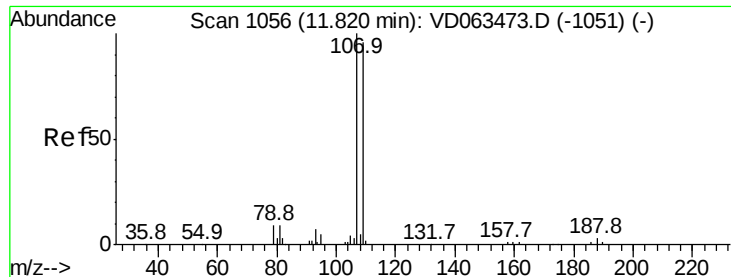
Tot Ion: 43 Resp: 420765
Ion Ratio Lower Upper
43 100
58 43.1 23.1 69.2



#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

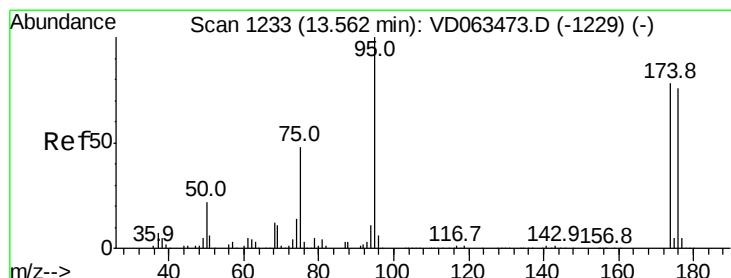
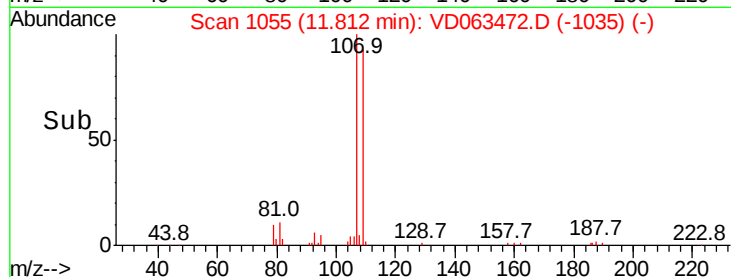
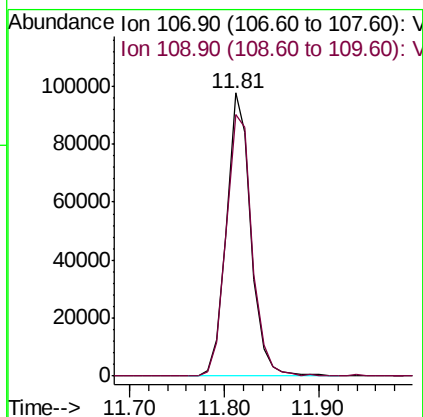
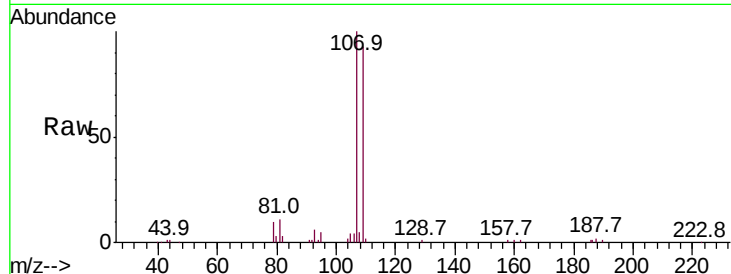




#61
 1,2-Dibromoethane
 Concen: 21.949 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

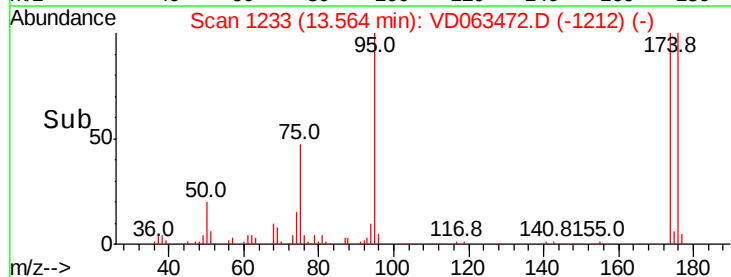
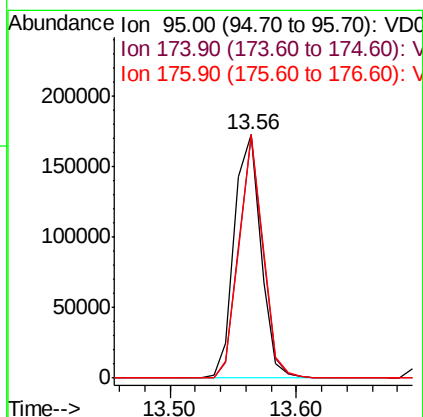
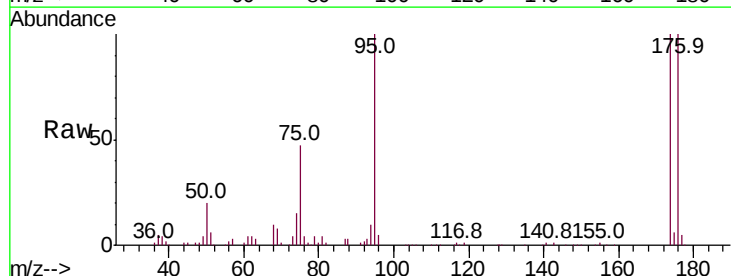
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

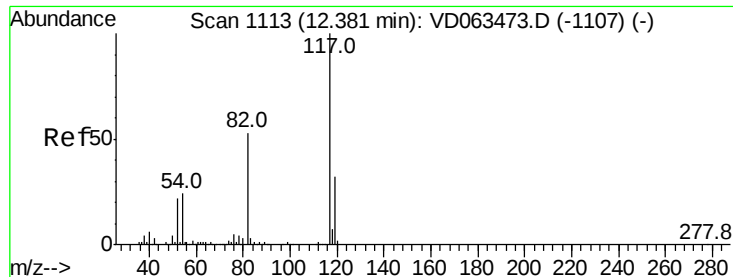
Tot Ion:107 Resp: 173674
 Ion Ratio Lower Upper
 107 100
 109 92.6 76.8 115.2



#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

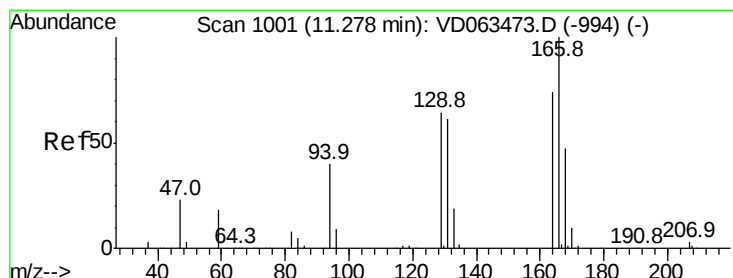
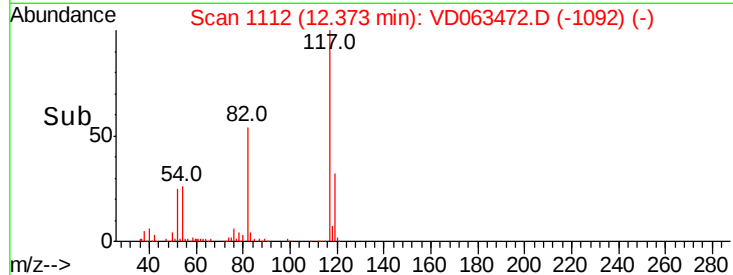
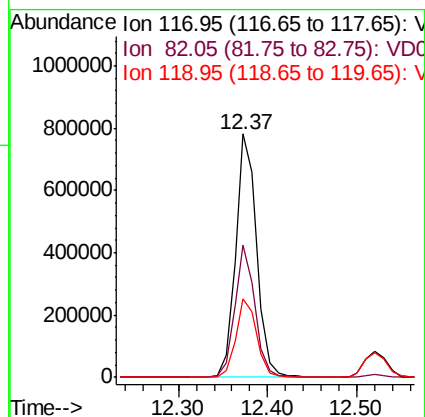
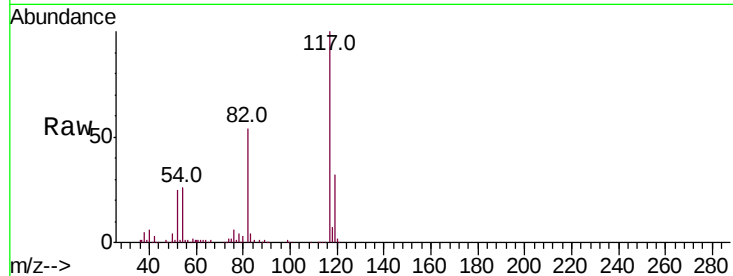




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

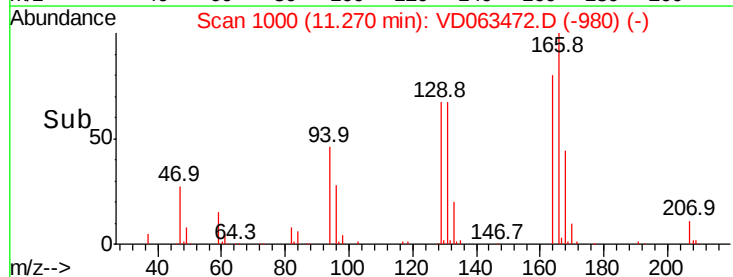
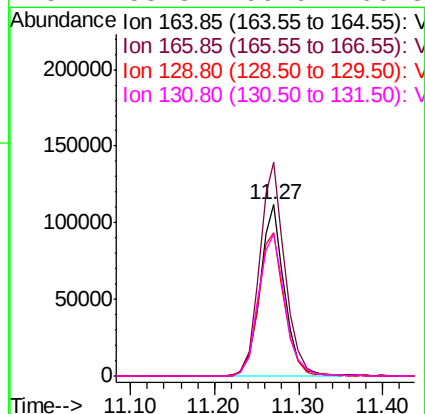
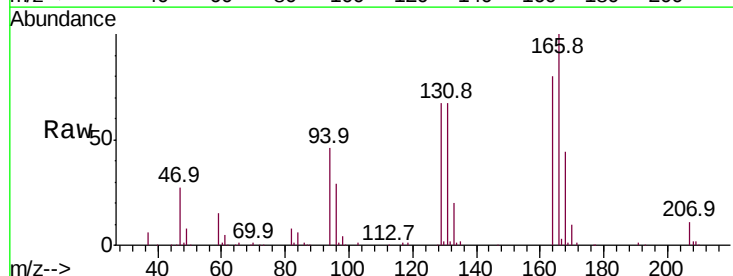
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

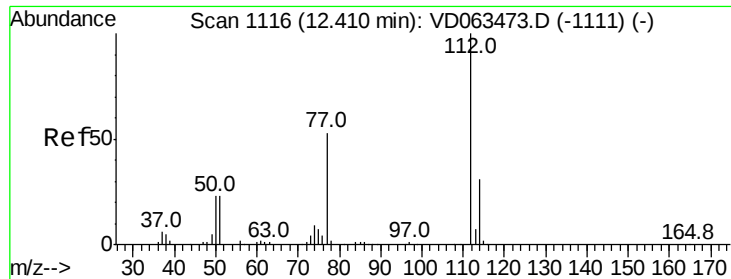
Tot Ion:117 Resp: 1290181
Ion Ratio Lower Upper
117 100
82 54.4 42.0 63.0
119 32.3 25.4 38.0



#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

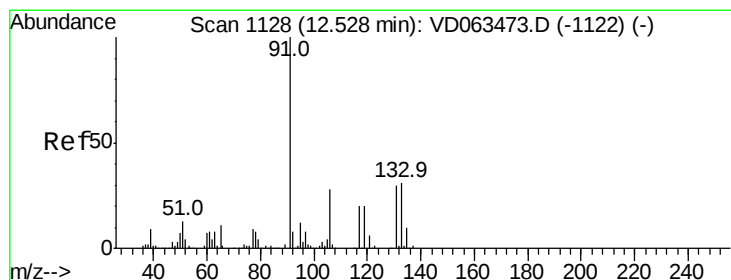
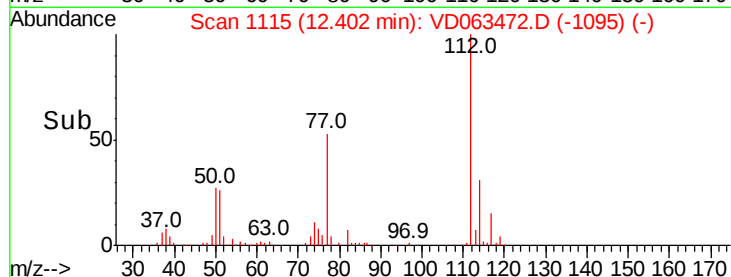
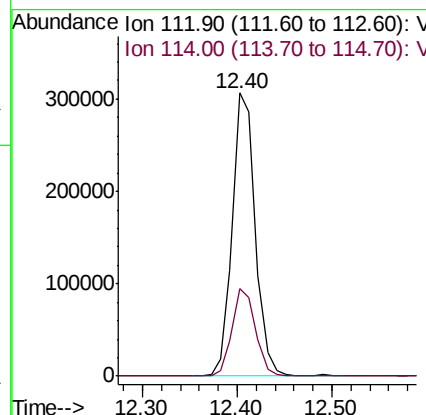
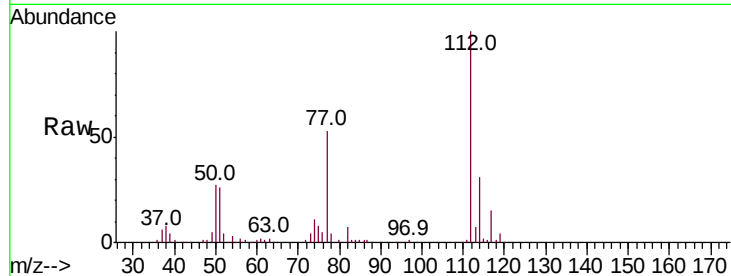




#65
Chlorobenzene
Concen: 21.370 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

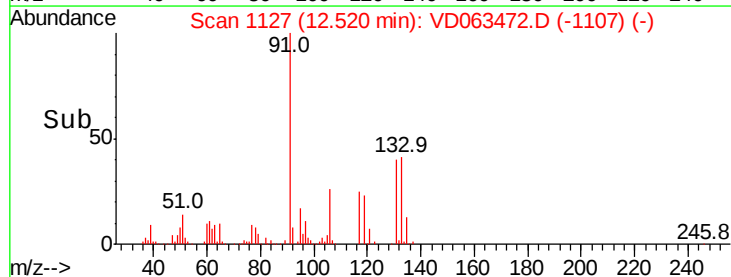
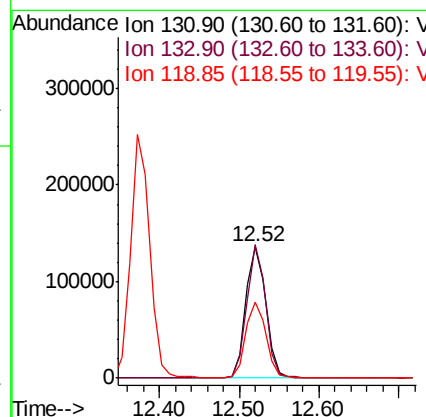
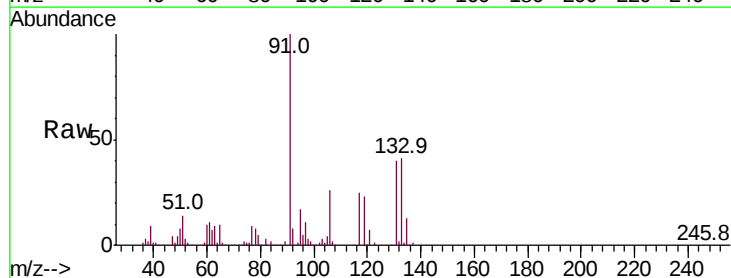
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

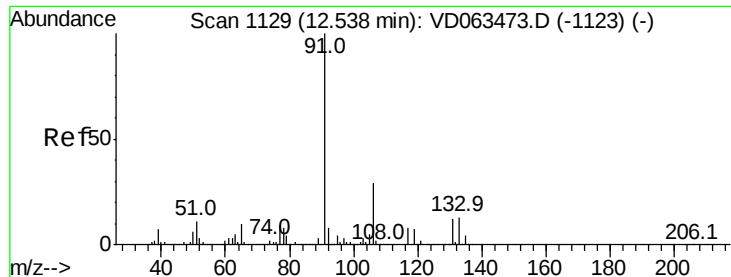
Tot Ion:112 Resp: 516758
Ion Ratio Lower Upper
112 100
114 31.0 25.1 37.7



#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

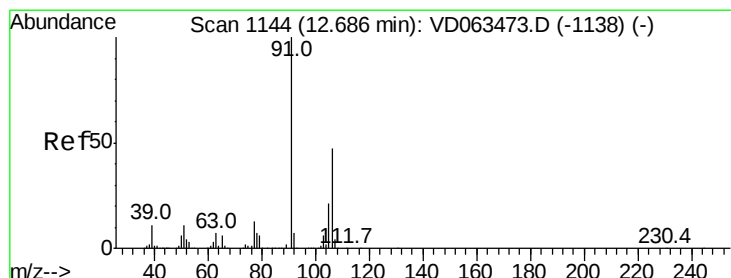
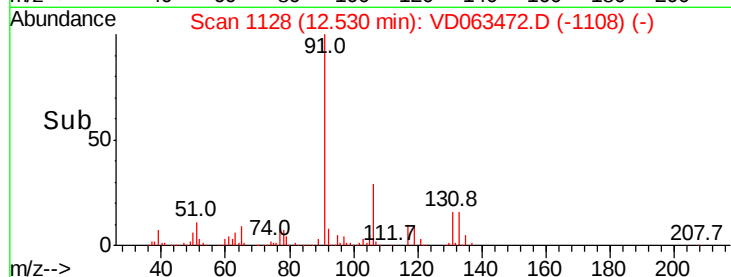
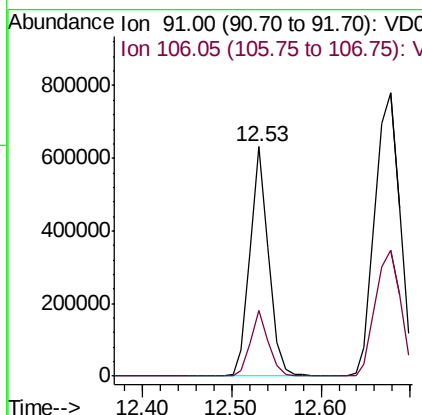
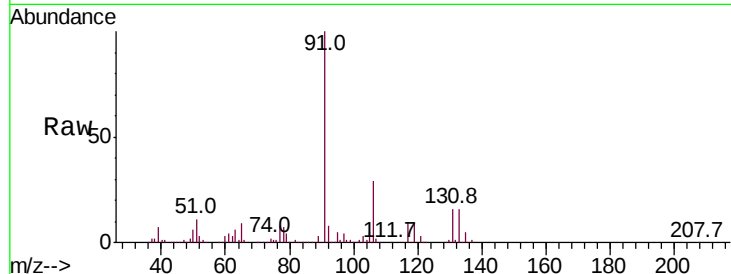




#67
Ethyl Benzene
Concen: 21.501 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

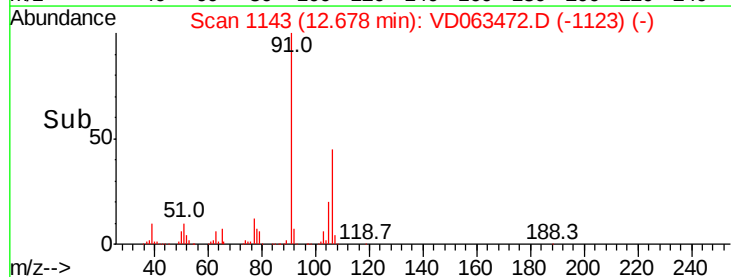
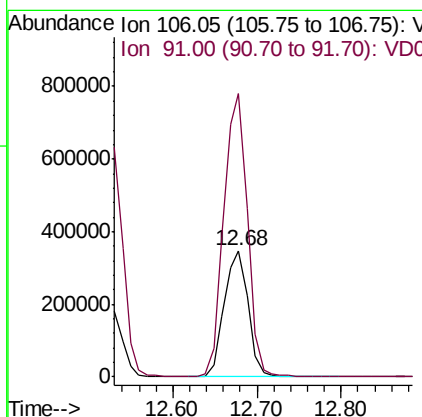
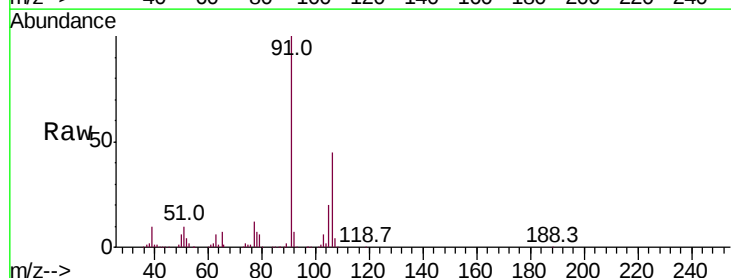
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

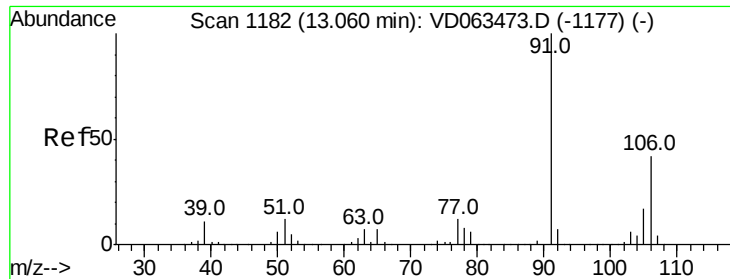
Tot Ion: 91 Resp: 903999
Ion Ratio Lower Upper
91 100
106 28.7 23.1 34.7



#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

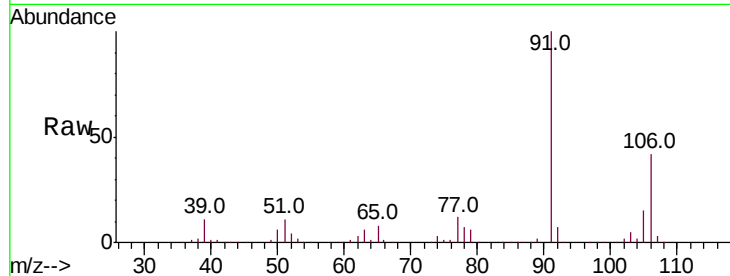




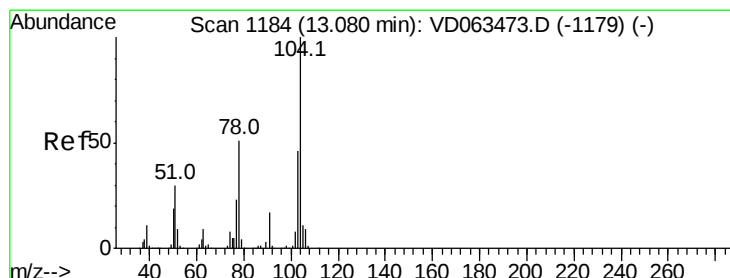
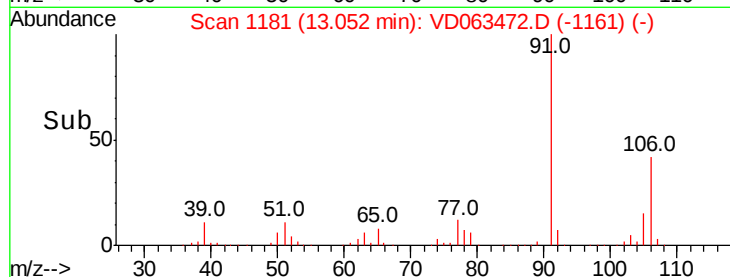
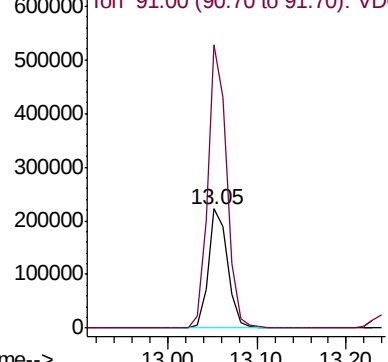
#69
o-Xylene
Concen: 23.746 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

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

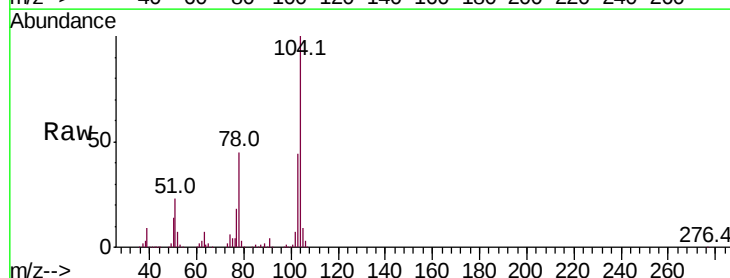


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

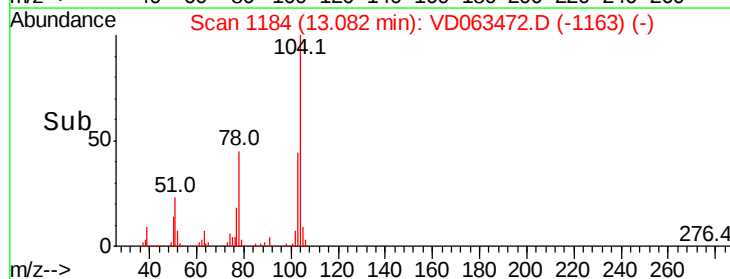
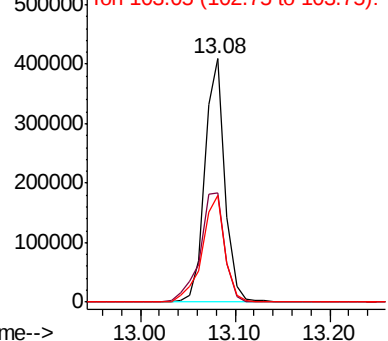


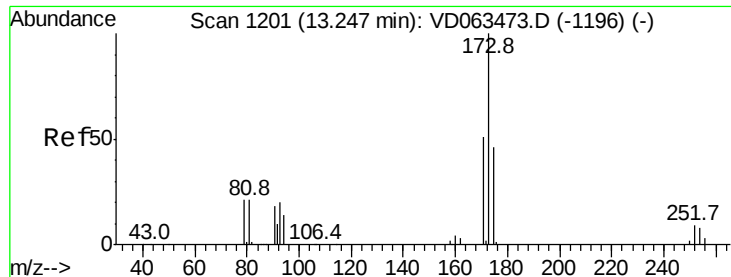
#70
Styrene
Concen: 23.497 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

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): V
Ion 103.05 (102.75 to 103.75): V





#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

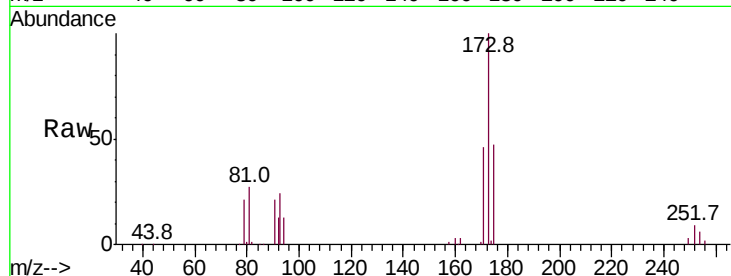
Tot Ion:173 Resp: 157093

Ion Ratio Lower Upper

173 100

175 47.5 22.8 68.3

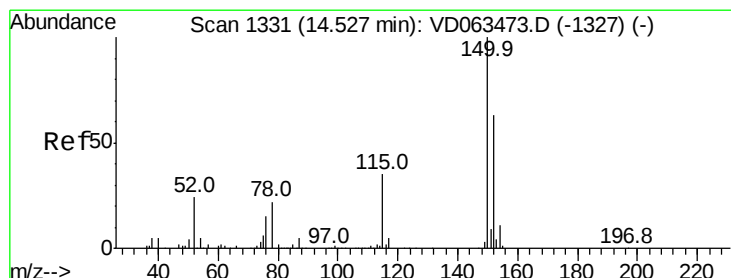
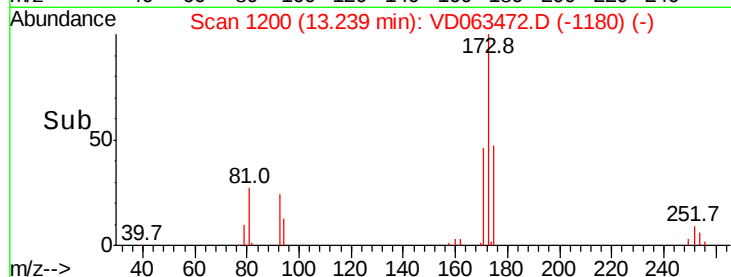
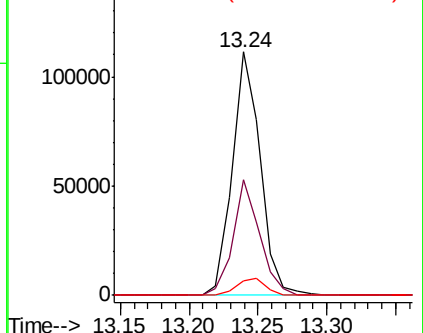
254 6.0 6.6 9.8#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD063472.D

Acq: 9 Aug 2019 14:29

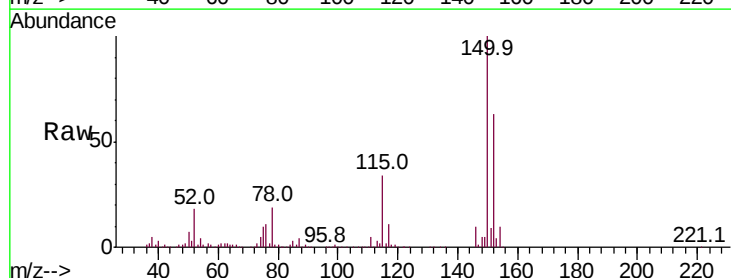
Tgt Ion:152 Resp: 682588

Ion Ratio Lower Upper

152 100

115 52.9 30.9 92.7

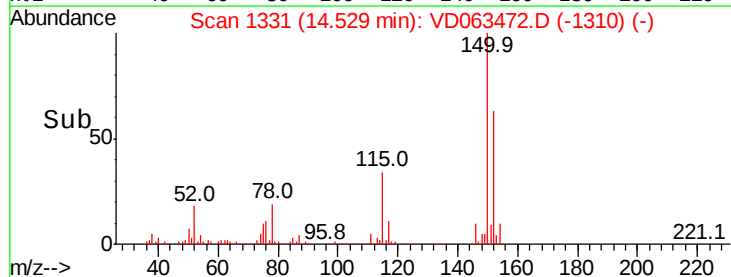
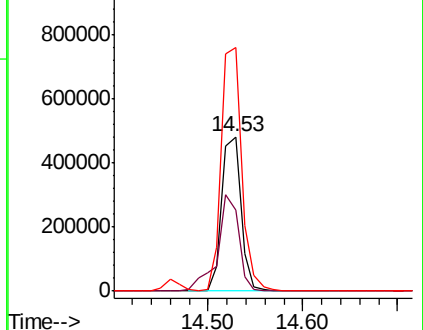
150 157.6 0.0 318.6

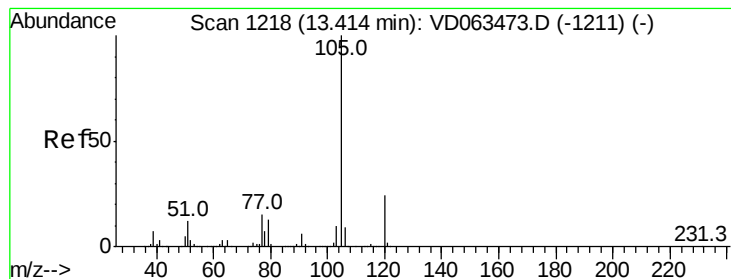


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 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 :

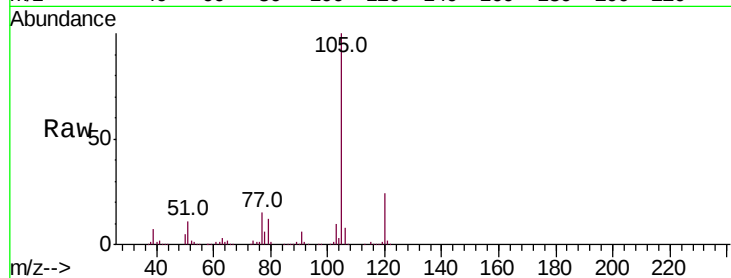
VSTDIC020

Tot Ion:105 Resp: 940497

Ion Ratio Lower Upper

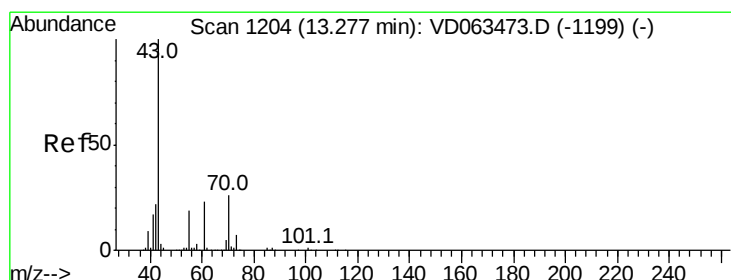
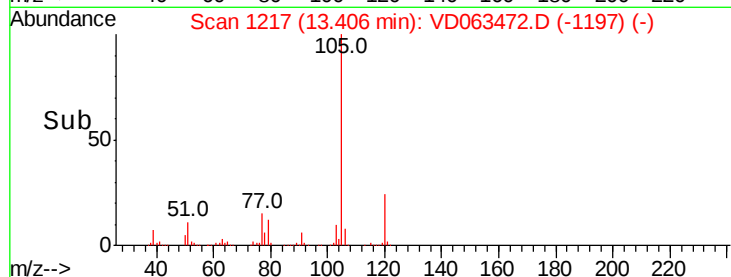
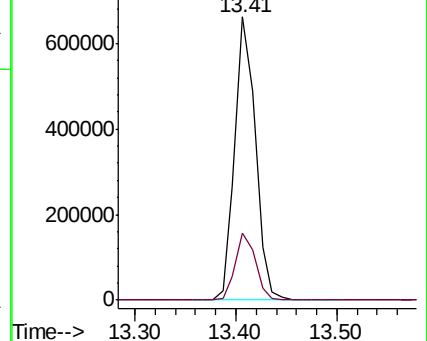
105 100

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

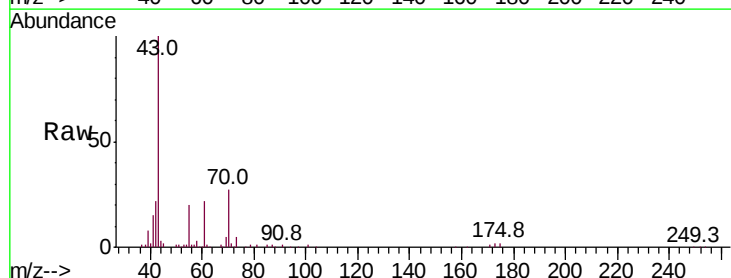
Ion Ratio Lower Upper

43 100

70 26.8 21.1 31.7

55 20.0 15.4 23.0

61 22.3 18.2 27.2

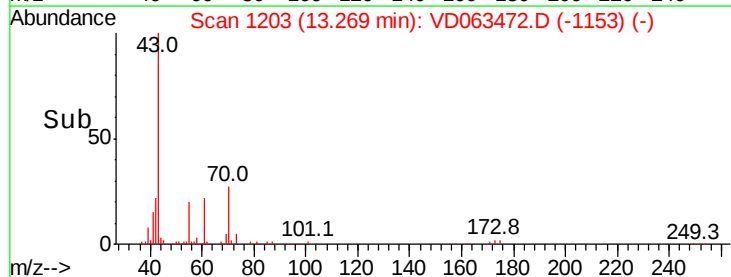
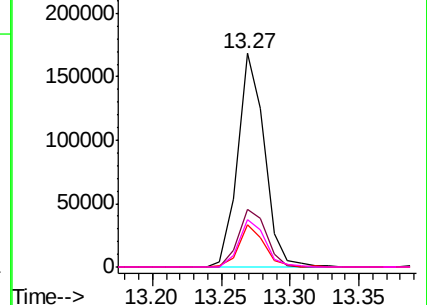


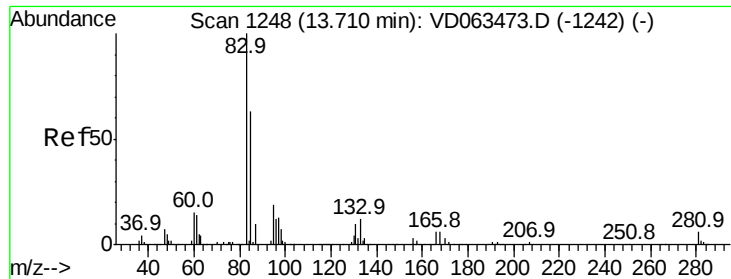
Abundance Ion 42.95 (42.65 to 43.65): VDC

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

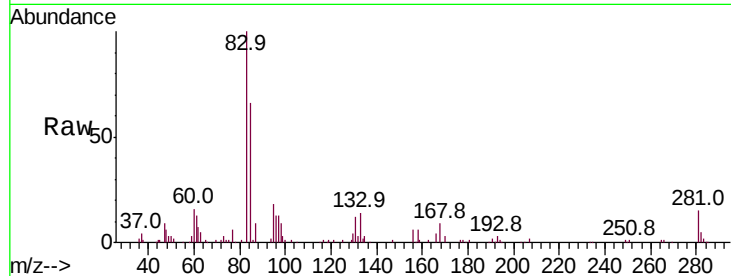
Tot Ion: 83 Resp: 154156

Ion Ratio Lower Upper

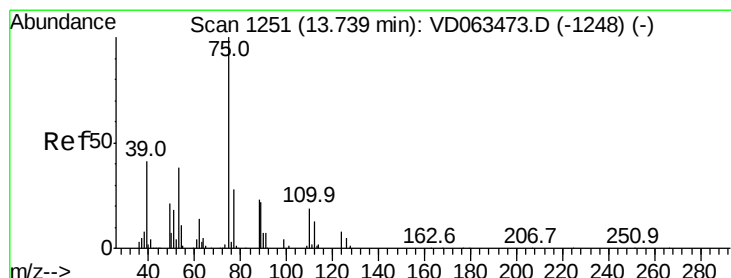
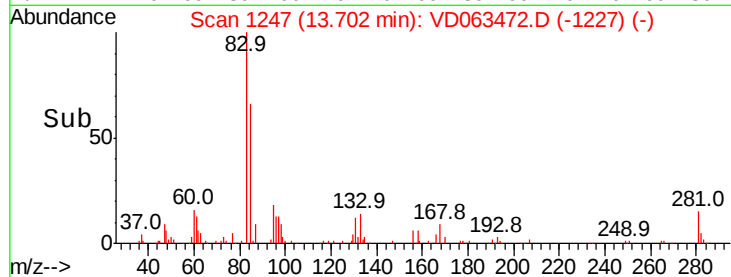
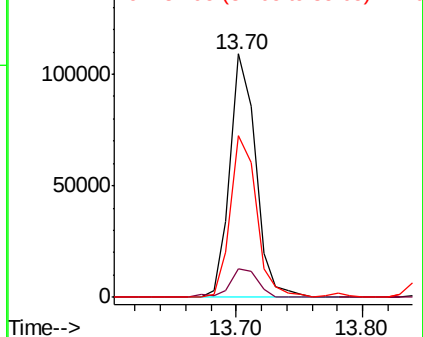
83 100

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

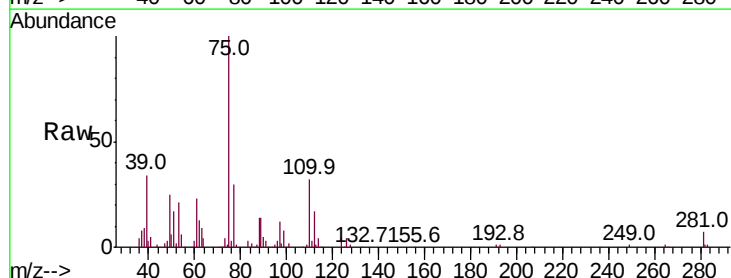
Acq: 9 Aug 2019 14:29

Tgt Ion: 75 Resp: 166808

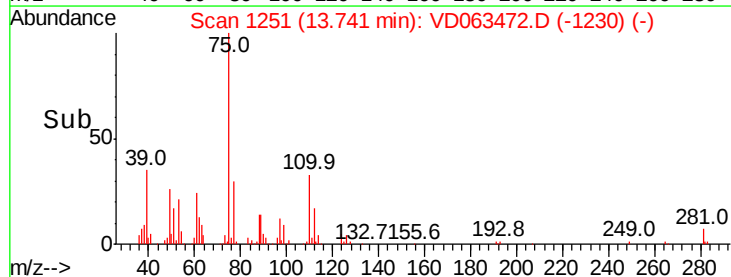
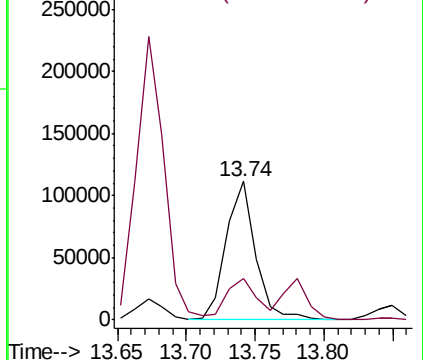
Ion Ratio Lower Upper

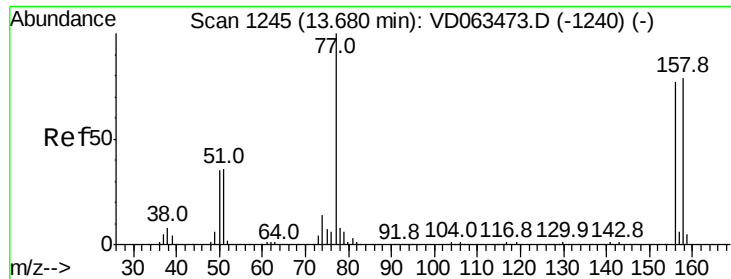
75 100

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

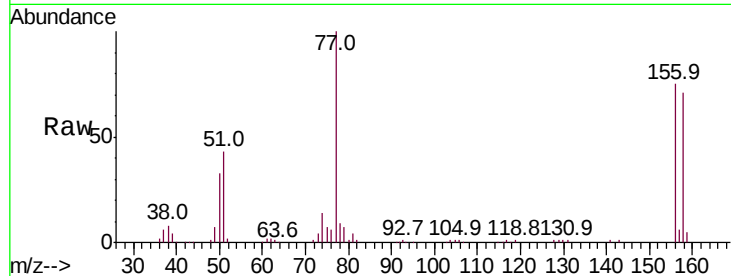
Tot Ion:156 Resp: 256338

Ion Ratio Lower Upper

156 100

77 133.1 64.6 193.8

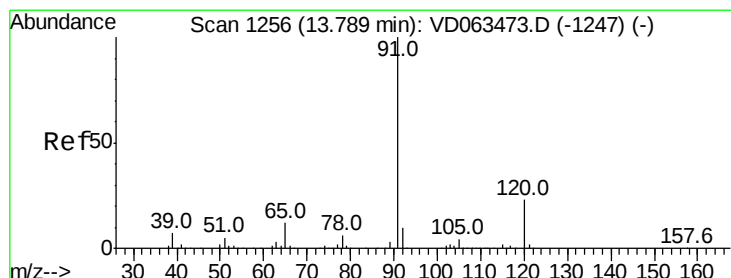
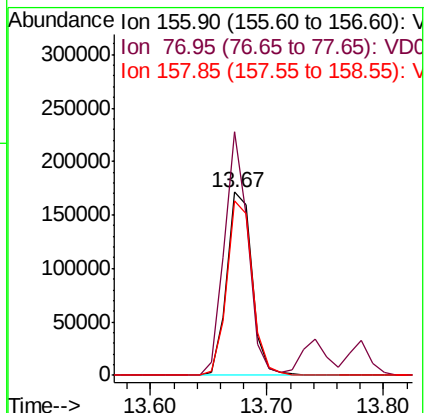
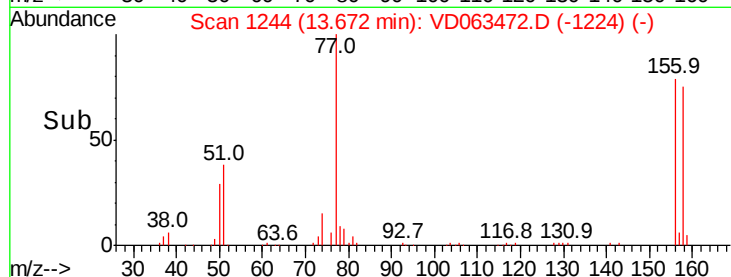
158 95.1 50.9 152.7



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

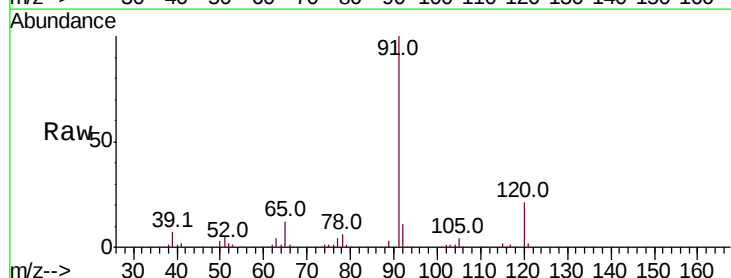
Acq: 9 Aug 2019 14:29

Tgt Ion: 91 Resp: 1105785

Ion Ratio Lower Upper

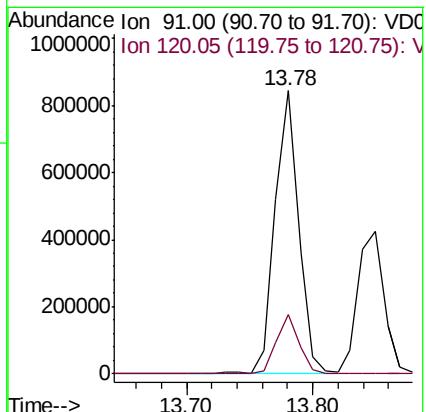
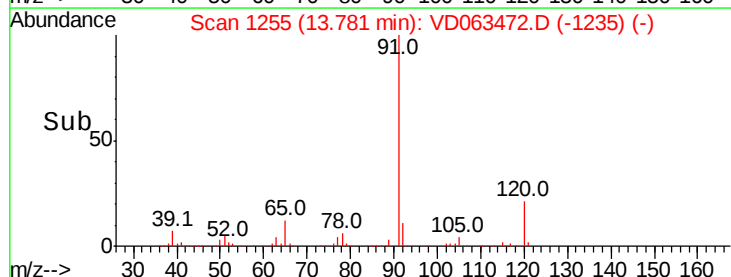
91 100

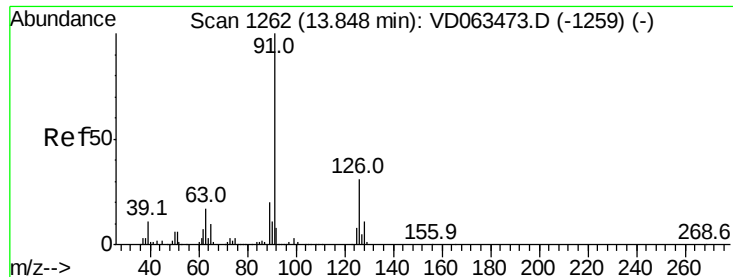
120 21.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

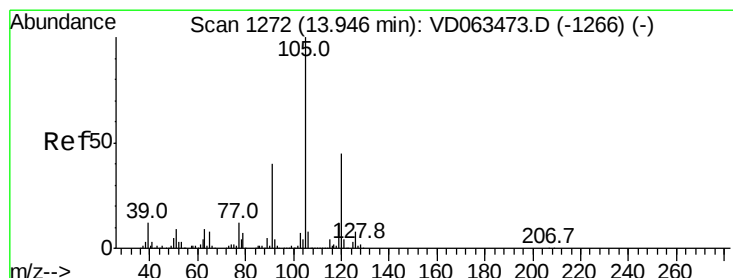
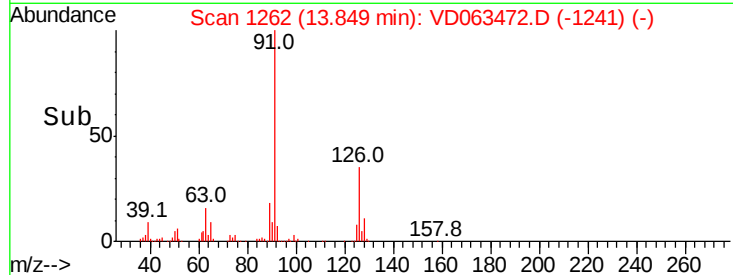
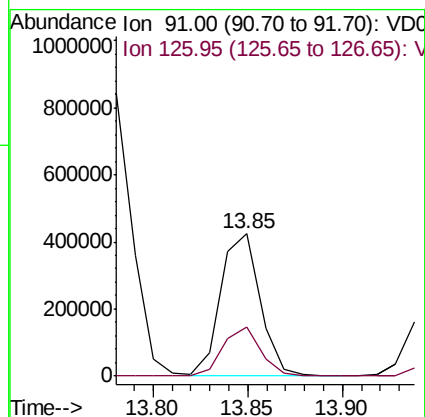
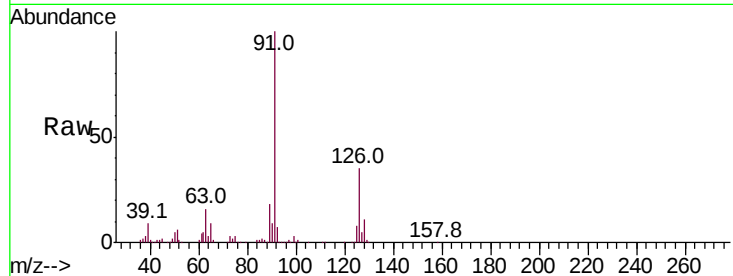




#79
2-Chlorotoluene
Concen: 20.770 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

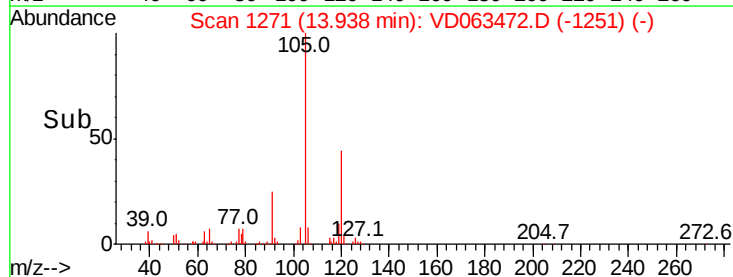
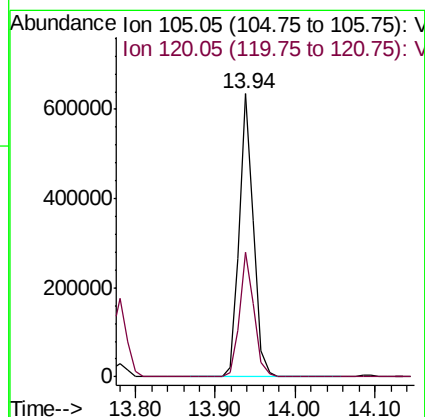
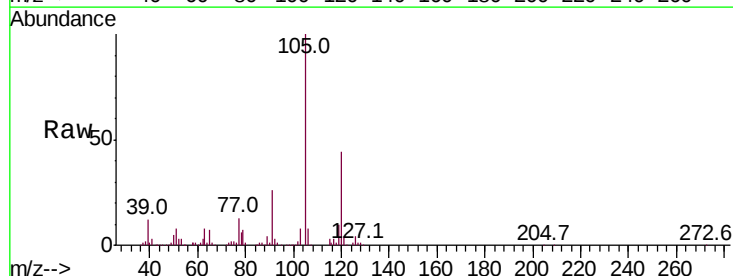
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

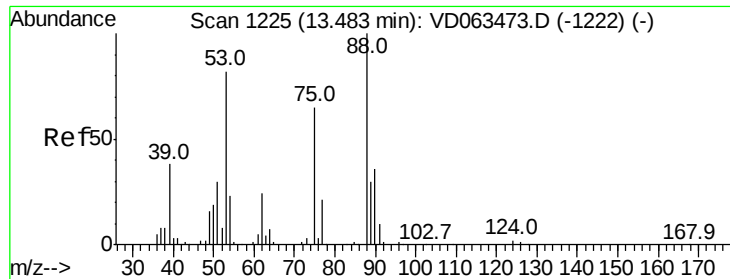
Tot Ion: 91 Resp: 608269
Ion Ratio Lower Upper
91 100
126 35.0 15.6 46.7



#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

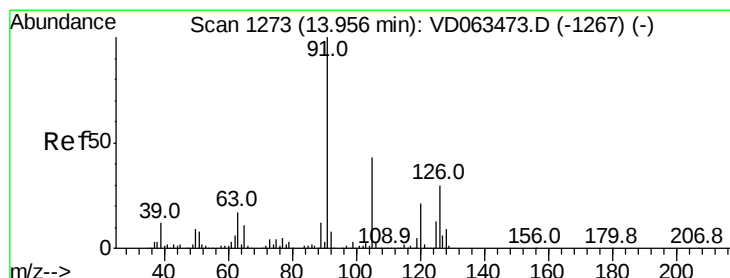
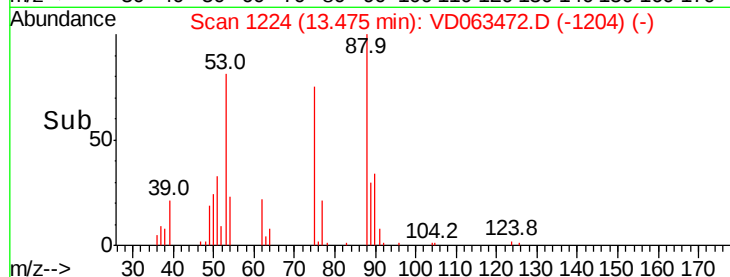
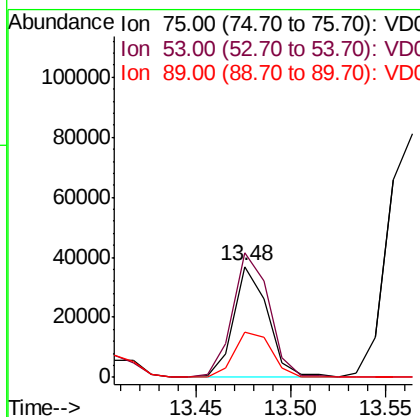
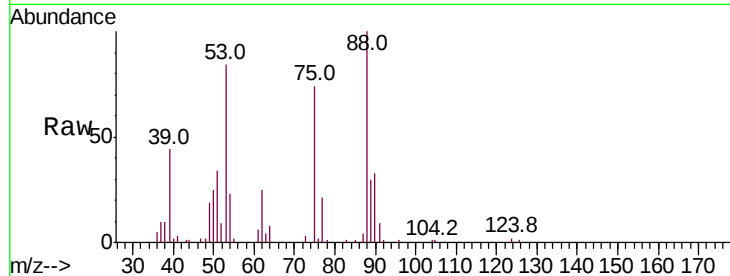




#81
trans-1,4-Dichloro-2-butene
Concen: 21.952 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

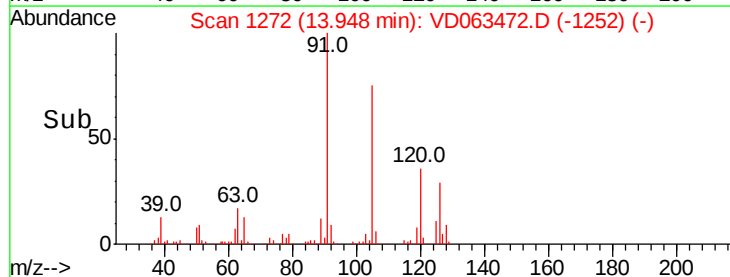
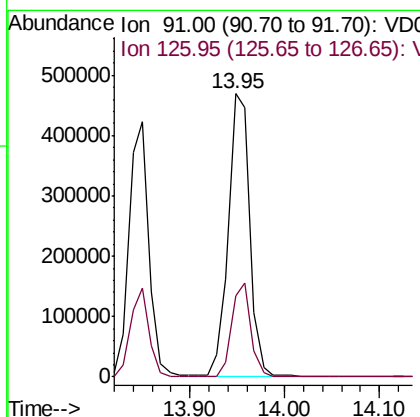
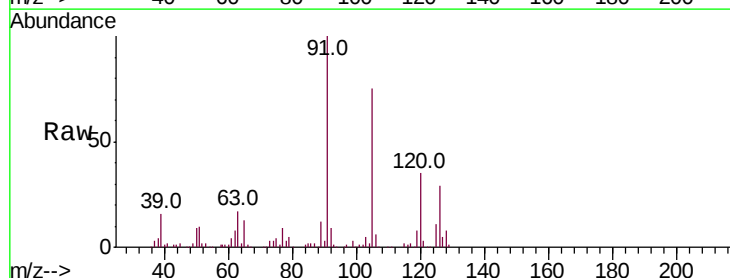
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

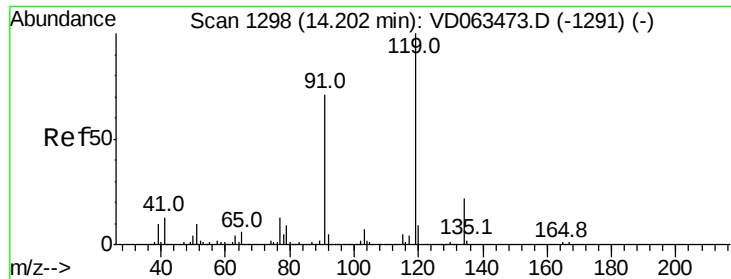
Tot Ion: 75 Resp: 46220
Ion Ratio Lower Upper
75 100
53 112.8 101.0 151.4
89 40.4 37.0 55.6



#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

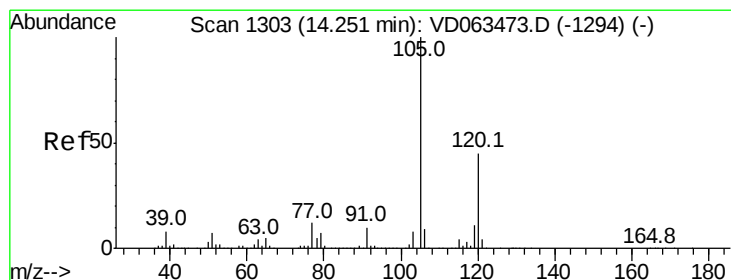
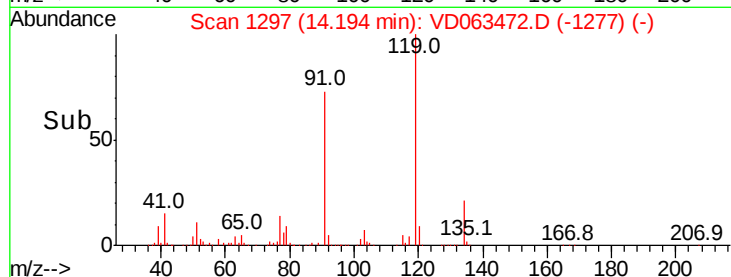
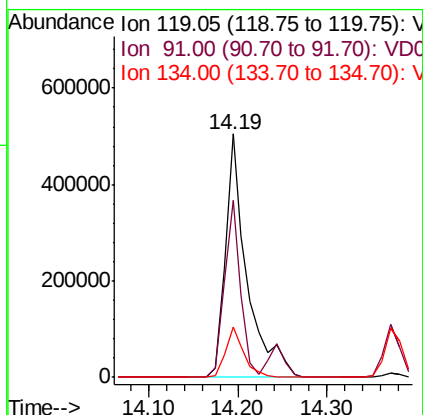
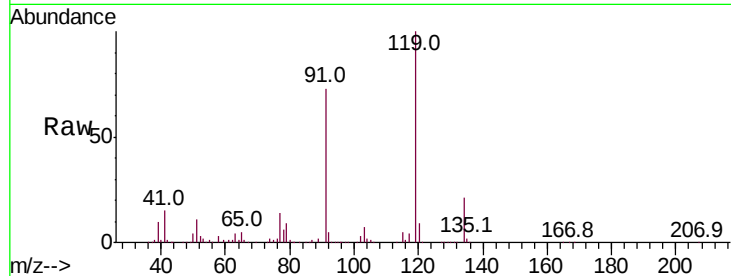




#83
tert-Butylbenzene
Concen: 21.523 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.01 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

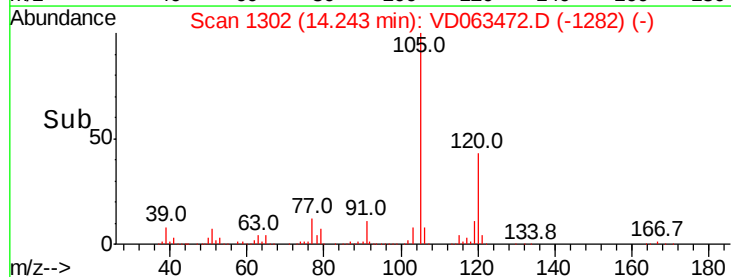
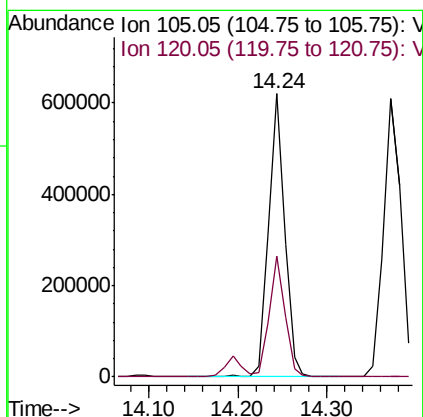
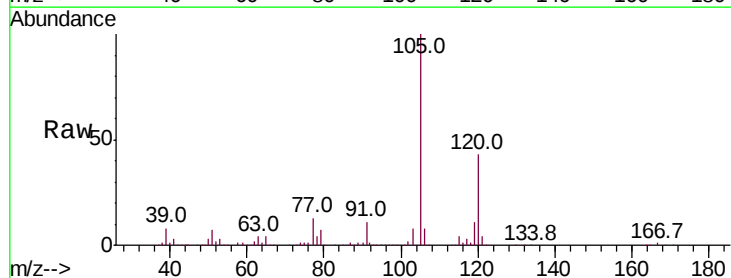
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

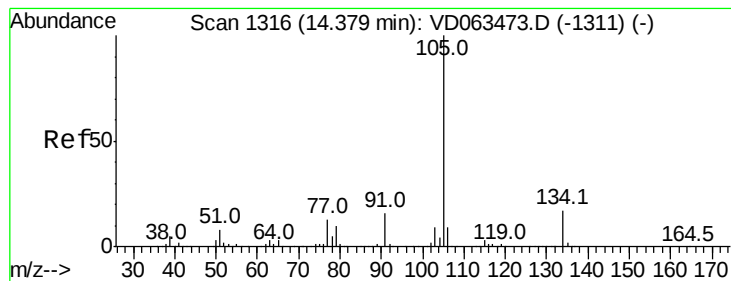
Tot Ion:119 Resp: 859754
Ion Ratio Lower Upper
119 100
91 73.0 35.5 106.7
134 20.8 11.1 33.1



#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 :

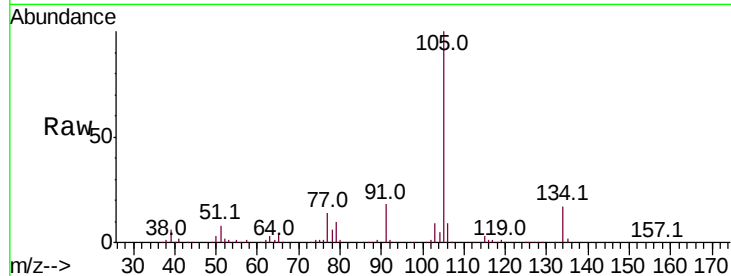
VSTDIC020

Tot Ion:105 Resp: 828358

Ion Ratio Lower Upper

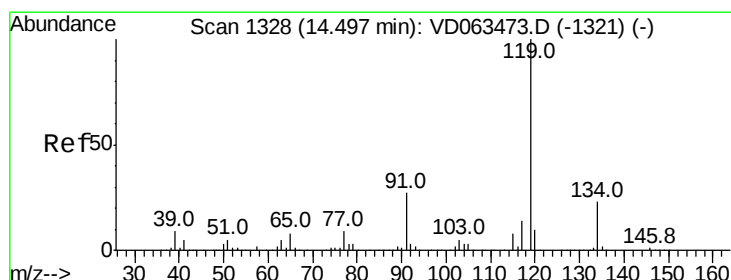
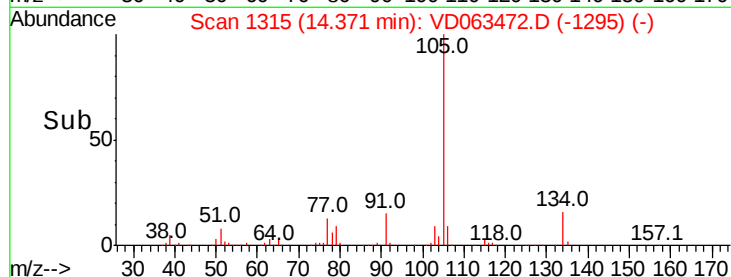
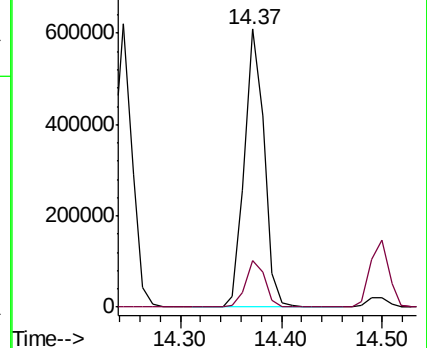
105 100

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



#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

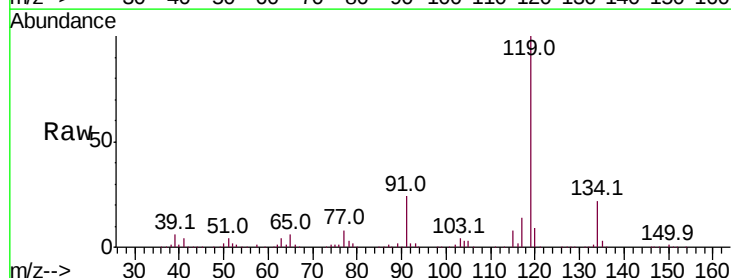
Tgt Ion:119 Resp: 856202

Ion Ratio Lower Upper

119 100

134 22.3 11.3 33.8

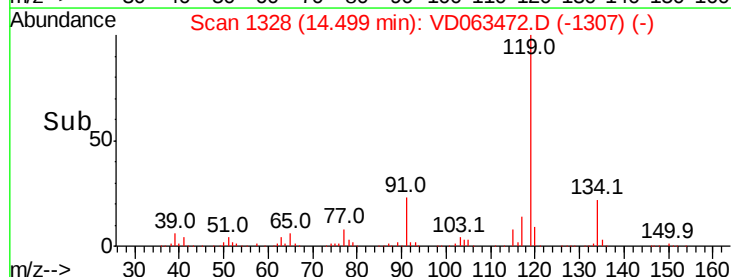
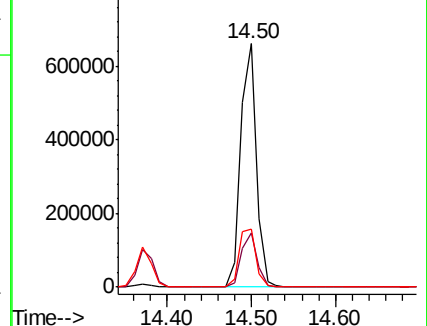
91 23.6 13.5 40.4

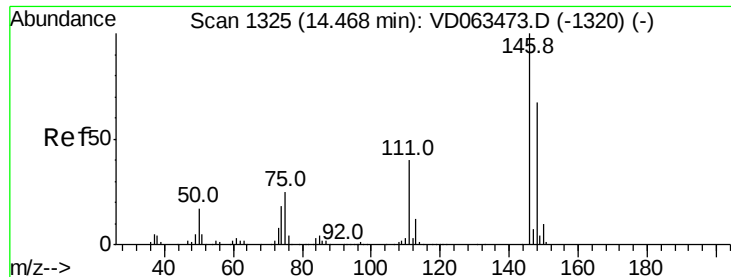


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

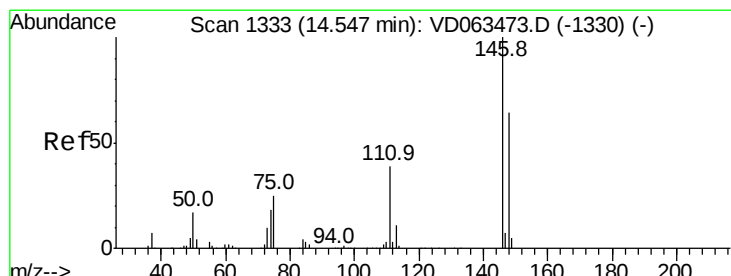
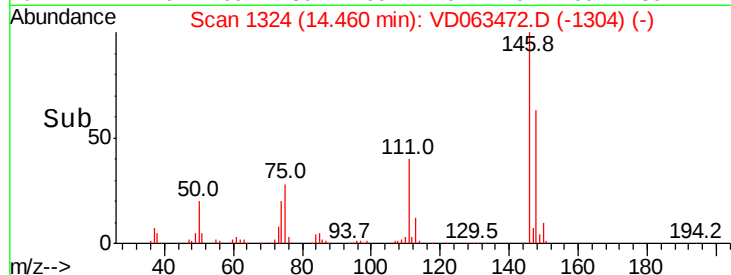
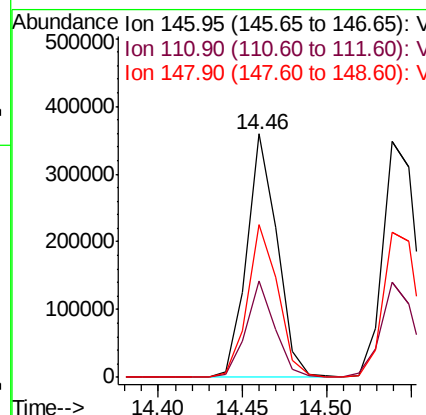
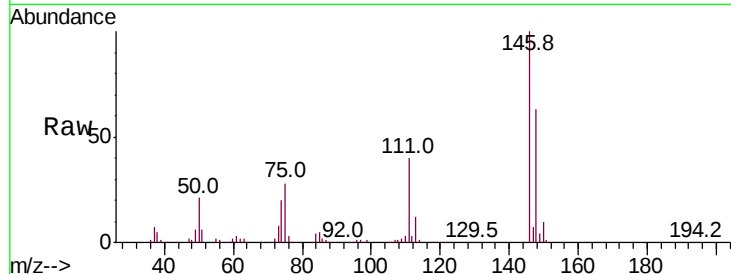




#87
 1,3-Dichlorobenzene
 Concen: 20.892 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

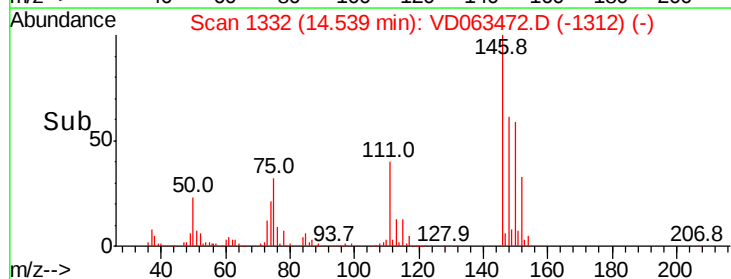
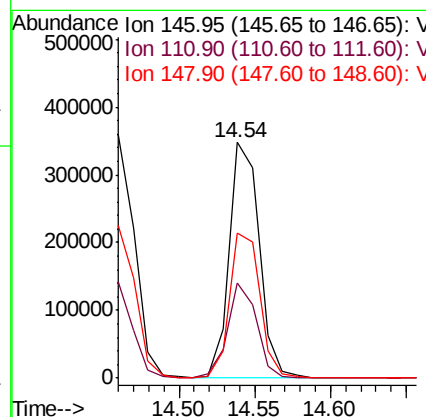
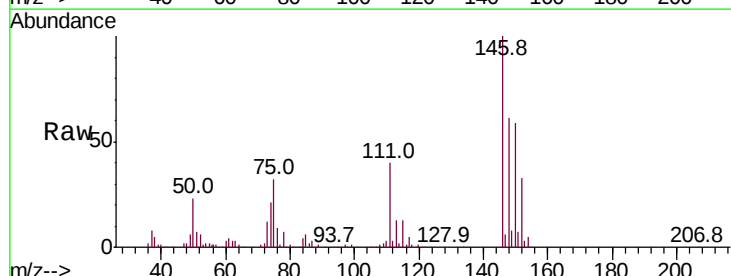
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

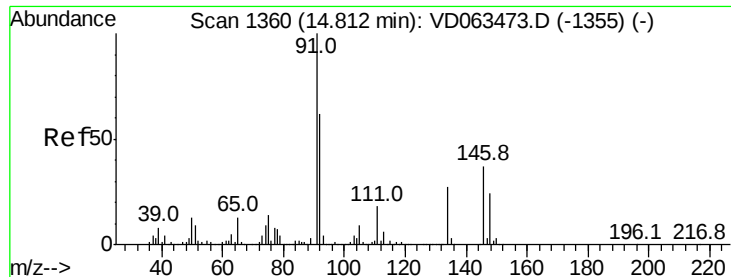
Tot Ion:146 Resp: 448412
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 60.0
 148 62.6 33.6 100.6



#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

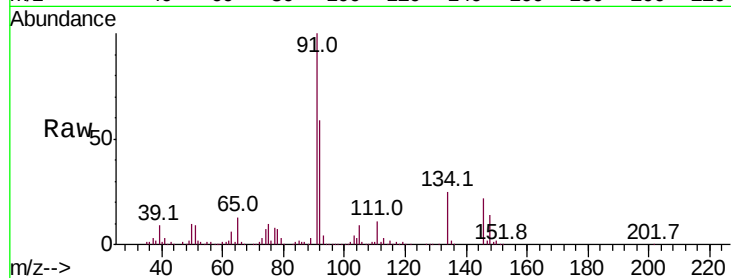
Tot Ion: 91 Resp: 780857

Ion	Ratio	Lower	Upper
91	100		
92	59.3	30.8	92.3
134	25.5	13.4	40.2

91 100

92 59.3 30.8 92.3

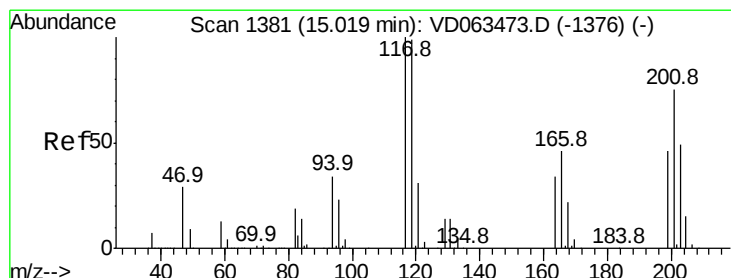
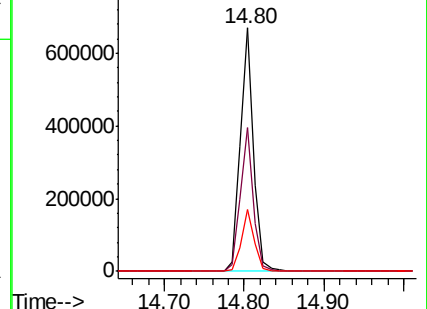
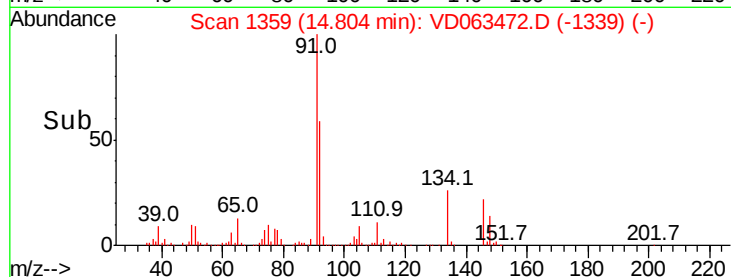
134 25.5 13.4 40.2



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

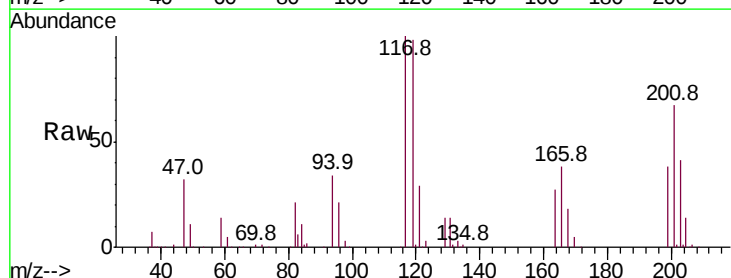
Acq: 9 Aug 2019 14:29

Tgt Ion: 117 Resp: 211351

Ion	Ratio	Lower	Upper
117	100		
201	67.4	37.5	112.5

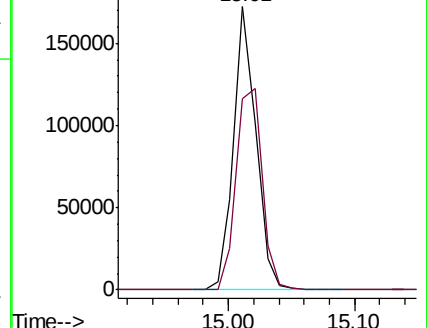
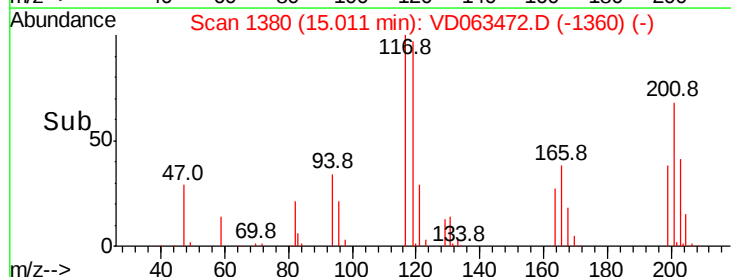
117 100

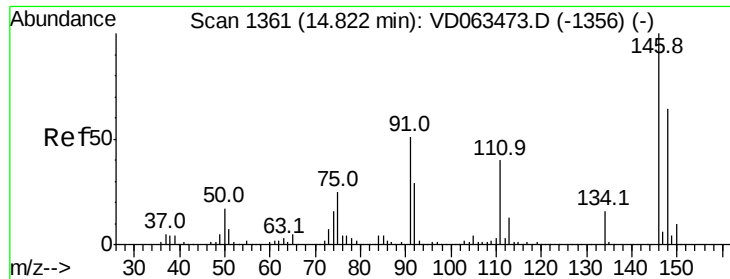
201 67.4 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

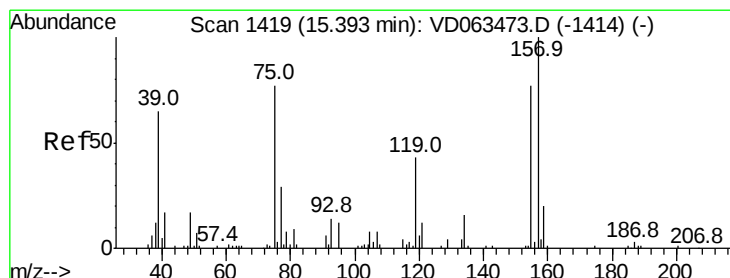
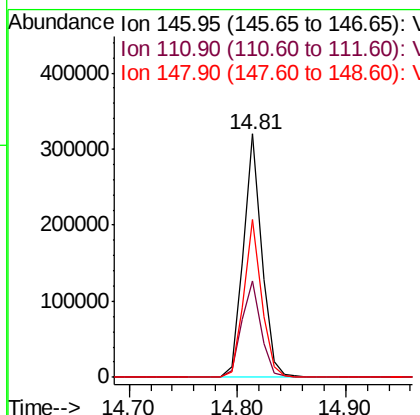
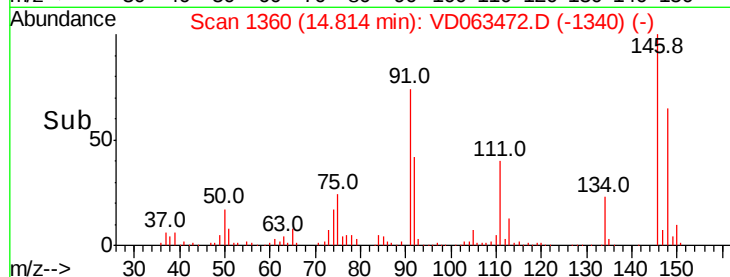
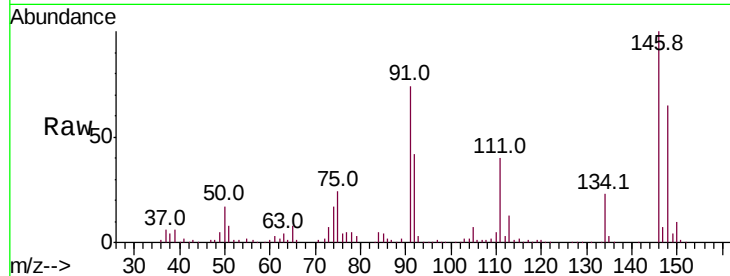




#91
 1,2-Dichlorobenzene
 Concen: 20.864 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

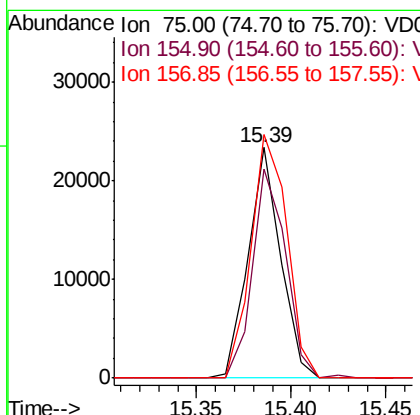
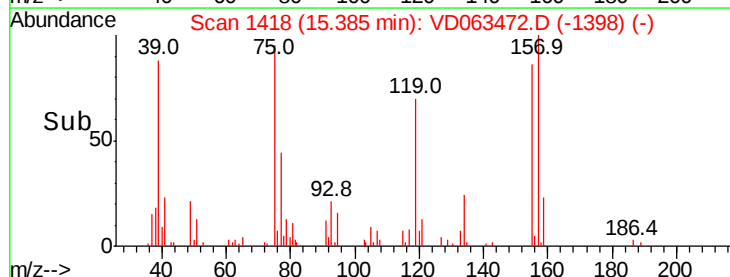
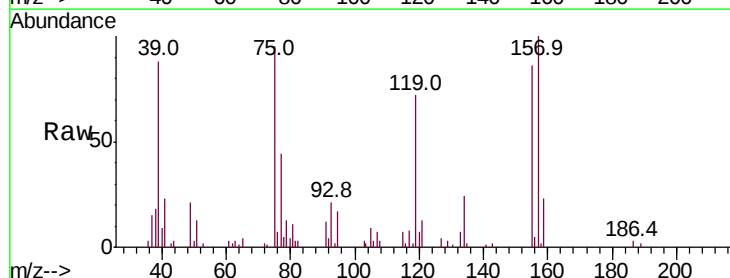
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

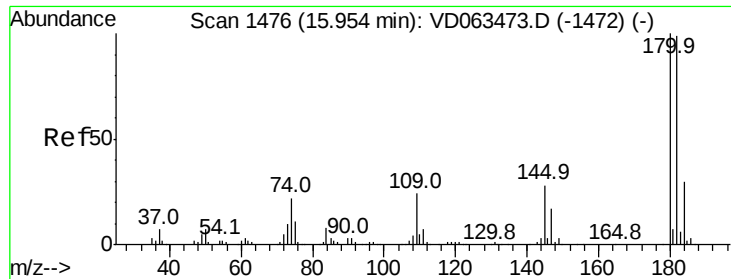
Tot Ion:146 Resp: 379926
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.2 60.6
 148 64.6 32.1 96.5



#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

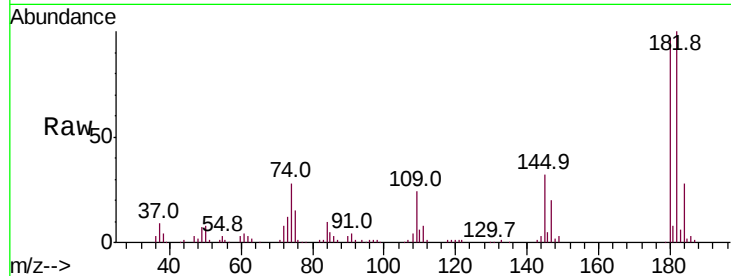




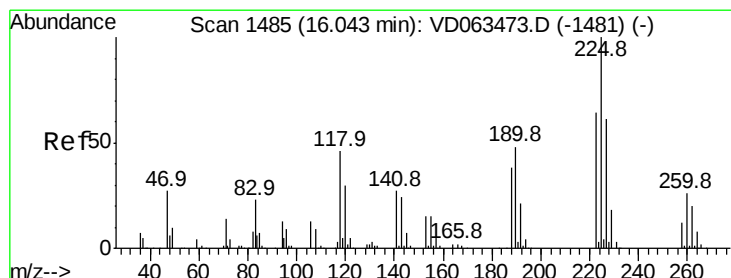
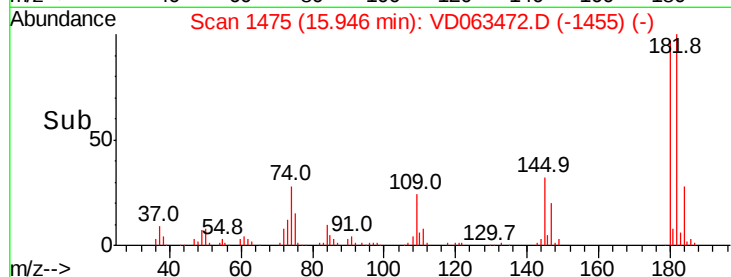
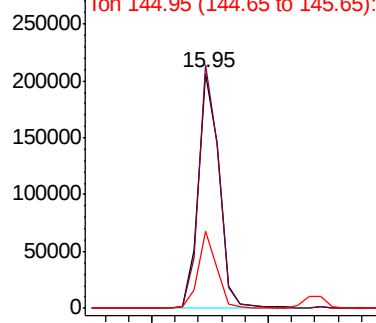
#93
 1,2,4-Trichlorobenzene
 Concen: 19.243 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

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

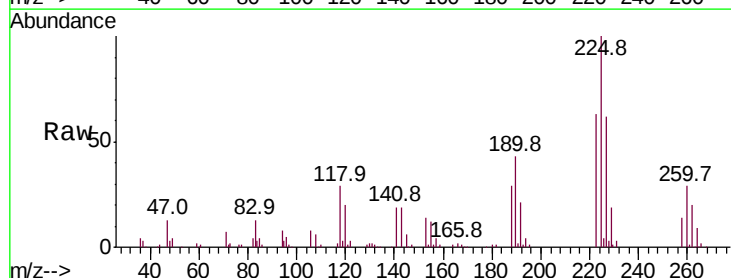


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

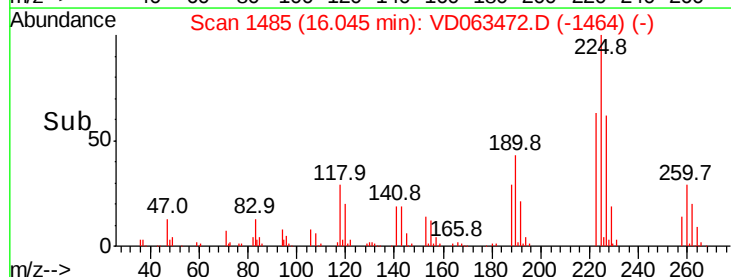
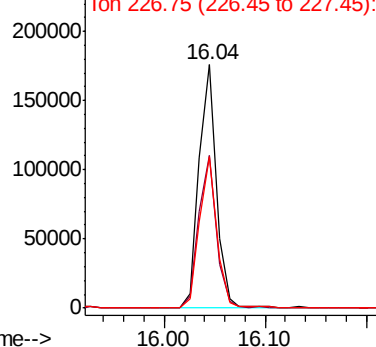


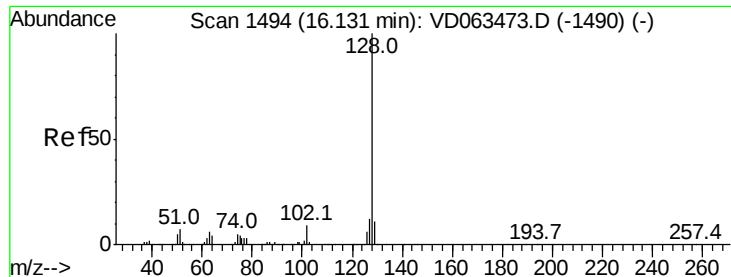
#94
 Hexachlorobutadiene
 Concen: 20.792 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD063472.D
 Acq: 9 Aug 2019 14:29

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

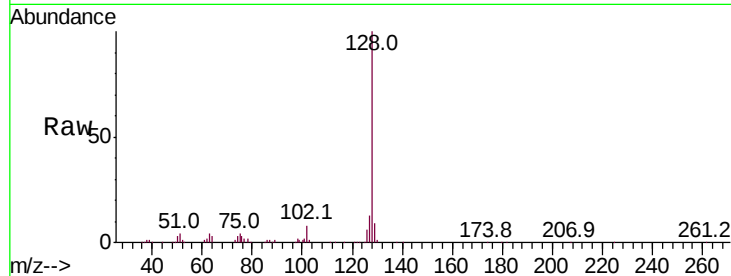




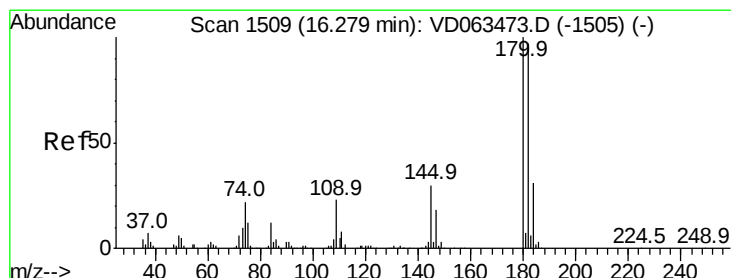
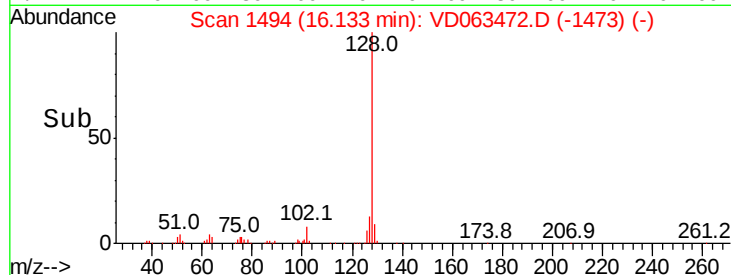
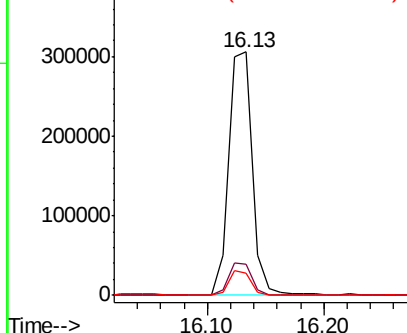
#95
Naphthalene
Concen: 21.154 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD063472.D
Acq: 9 Aug 2019 14:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

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

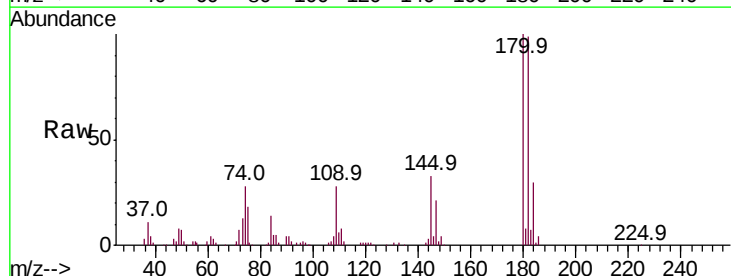


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#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



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

