

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120920\
 Data File : VD067928.D
 Acq On : 09 Dec 2020 16:23
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 10 02:10:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	191056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	270257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	248023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	129644	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	99040	48.29	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.58%
35) Dibromofluoromethane	7.91	113	89926	49.73	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.46%
50) Toluene-d8	10.34	98	318141	48.87	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.74%
62) 4-Bromofluorobenzene	12.64	95	113722	50.53	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.06%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	83582	50.269	ug/l	100
3) Chloromethane	2.21	50	46074	48.015	ug/l	93
4) Vinyl Chloride	2.35	62	57824	47.847	ug/l	97
5) Bromomethane	2.77	94	59920	55.540	ug/l	96
6) Chloroethane	2.93	64	40992	52.097	ug/l	92
7) Trichlorofluoromethane	3.28	101	186615	50.463	ug/l	100
8) Diethyl Ether	3.70	74	34244	47.510	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	80349	47.648	ug/l	94
10) Methyl Iodide	4.30	142	86000	48.114	ug/l	99
11) Tert butyl alcohol	5.21	59	23857	219.141	ug/l	97
12) 1,1-Dichloroethene	4.07	96	75840	47.904	ug/l	94
13) Acrolein	3.92	56	17575	222.978	ug/l	97
14) Allyl chloride	4.71	41	68661	46.880	ug/l	90
15) Acrylonitrile	5.41	53	56995	228.048	ug/l	99
16) Acetone	4.16	43	55108	217.432	ug/l	91
17) Carbon Disulfide	4.41	76	195293	44.182	ug/l #	93
18) Methyl Acetate	4.71	43	21774	45.715	ug/l #	72
19) Methyl tert-butyl Ether	5.47	73	173446	51.163	ug/l	99
20) Methylene Chloride	4.97	84	85427	52.216	ug/l #	97
21) trans-1,2-Dichloroethene	5.47	96	86856	48.212	ug/l	97
22) Diisopropyl ether	6.36	45	140914	47.837	ug/l	92
23) Vinyl Acetate	6.30	43	411881	251.339	ug/l	97
24) 1,1-Dichloroethane	6.26	63	126196	48.871	ug/l	98
25) 2-Butanone	7.21	43	57438	215.464	ug/l	96
26) 2,2-Dichloropropane	7.20	77	159562	51.819	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	98348	49.911	ug/l	96
28) Bromochloromethane	7.54	49	39769	48.508	ug/l	94
29) Tetrahydrofuran	7.56	42	32324	212.957	ug/l	94
30) Chloroform	7.71	83	173911	50.397	ug/l	99
31) Cyclohexane	7.98	56	93903	43.455	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	186841	51.291	ug/l	99
36) 1,1-Dichloropropene	8.11	75	115996	49.579	ug/l	99
37) Ethyl Acetate	7.28	43	27131	43.027	ug/l	97
38) Carbon Tetrachloride	8.10	117	184966	52.252	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	135015	48.697	ug/l	97
40) Benzene	8.36	78	318963	49.824	ug/l	100
41) Methacrylonitrile	7.52	41	20980	72.037	ug/l #	63
42) 1,2-Dichloroethane	8.43	62	117951	51.696	ug/l	98
43) Isopropyl Acetate	8.45	43	58368	47.045	ug/l	99
44) Trichloroethene	9.11	130	110038	49.994	ug/l	90
45) 1,2-Dichloropropane	9.39	63	61041	46.457	ug/l	95
46) Dibromomethane	9.48	93	43269	47.364	ug/l	93
47) Bromodichloromethane	9.66	83	131309	50.418	ug/l	98
48) Methyl methacrylate	9.46	41	28904	45.879	ug/l	93
49) 1,4-Dioxane	9.46	88	8796	842.638	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	132347	225.385	ug/l	98
52) Toluene	10.40	92	219202	48.975	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	115376	51.327	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	123315	50.433	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	57192	45.746	ug/l	97
56) Ethyl methacrylate	10.66	69	59117	46.475	ug/l #	90
57) 1,3-Dichloropropane	10.95	76	89947	45.419	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	133568	230.763	ug/l	92
59) 2-Hexanone	10.98	43	95035	229.582	ug/l	98
60) Dibromochloromethane	11.14	129	97638	51.809	ug/l	97
61) 1,2-Dibromoethane	11.25	107	58127	47.280	ug/l	99
64) Tetrachloroethene	10.88	164	96541	47.720	ug/l	95
65) Chlorobenzene	11.67	112	258313	50.475	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	109598	52.507	ug/l	92
67) Ethyl Benzene	11.75	91	449631	51.575	ug/l	98
68) m/p-Xylenes	11.86	106	349335	101.623	ug/l	99
69) o-Xylene	12.18	106	159764	52.351	ug/l	99
70) Styrene	12.20	104	276061	52.022	ug/l	99
71) Bromoform	12.36	173	55568	50.292	ug/l #	99
73) Isopropylbenzene	12.48	105	455502	51.090	ug/l	99
74) N-amyl acetate	12.29	43	48923	44.362	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	51459	43.718	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	81067	85.866	ug/l #	1
77) Bromobenzene	12.77	156	112548	50.778	ug/l	97
78) n-propylbenzene	12.83	91	500604	50.660	ug/l	99
79) 2-Chlorotoluene	12.91	91	291648	50.169	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	404801	52.441	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18153	45.994	ug/l	99
82) 4-Chlorotoluene	13.01	91	310467	50.066	ug/l	100
83) tert-Butylbenzene	13.23	119	357074	54.360	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	396858	51.702	ug/l	99
85) sec-Butylbenzene	13.41	105	449728	51.297	ug/l	100
86) p-Isopropyltoluene	13.52	119	447791	52.114	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	209804	49.070	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	211669	49.485	ug/l	98
89) n-Butylbenzene	13.85	91	361964	50.705	ug/l	98
90) Hexachloroethane	14.11	117	79999	50.429	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	187434	50.545	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11246	45.780	ug/l	93

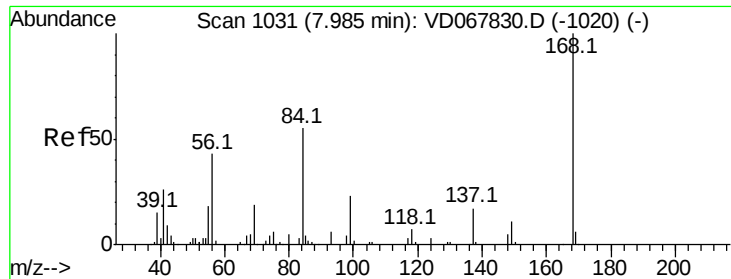
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120920\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	136648	52.681	ug/l	99
94) Hexachlorobutadiene	15.27	225	87808	51.878	ug/l	98
95) Naphthalene	15.41	128	210745	49.930	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	114206	50.984	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

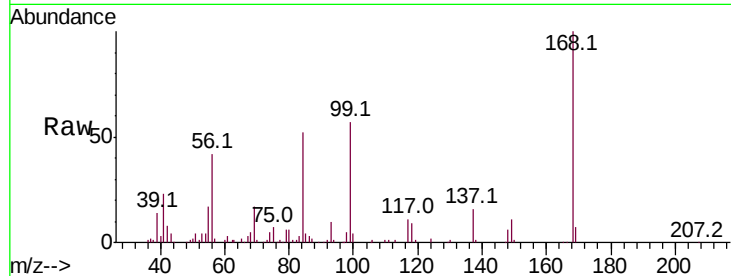
VSTDCCC050EC

Tot Ion:168 Resp: 191056

Ion Ratio Lower Upper

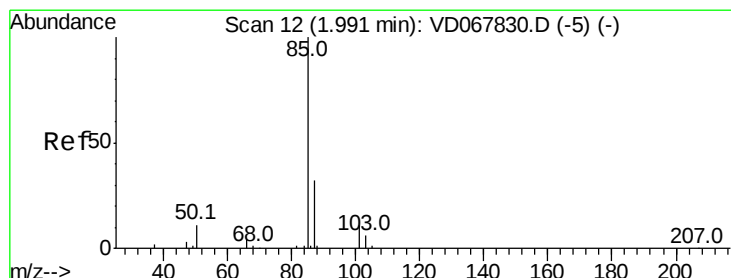
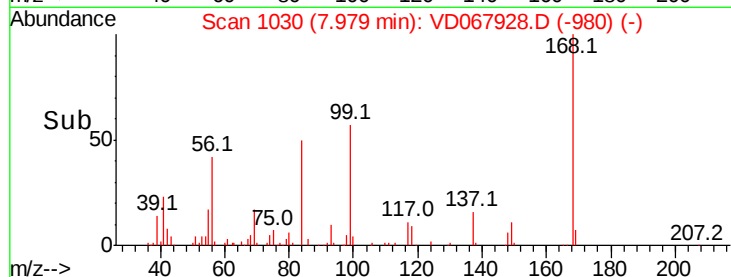
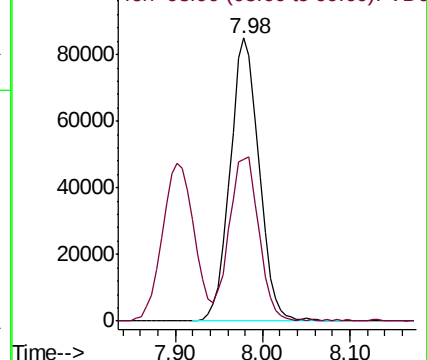
168 100

99 56.7 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 50.269 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067928.D

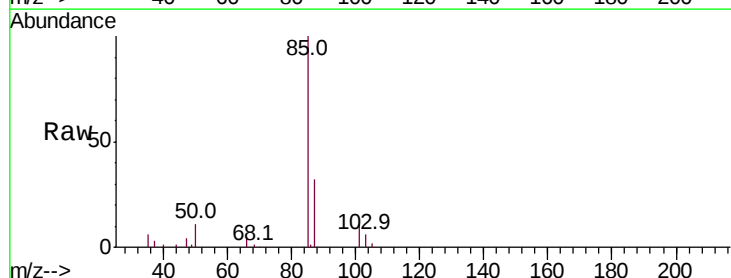
Acq: 09 Dec 2020 16:23

Tgt Ion: 85 Resp: 83582

Ion Ratio Lower Upper

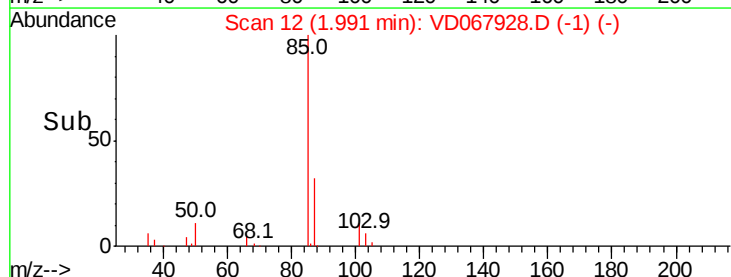
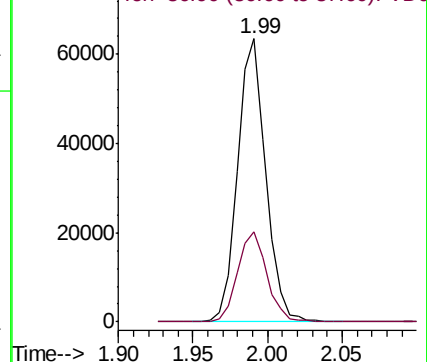
85 100

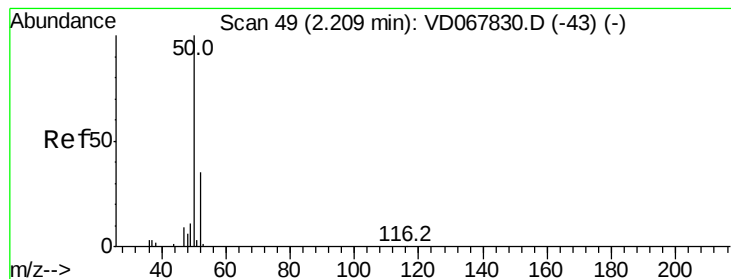
87 31.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.015 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

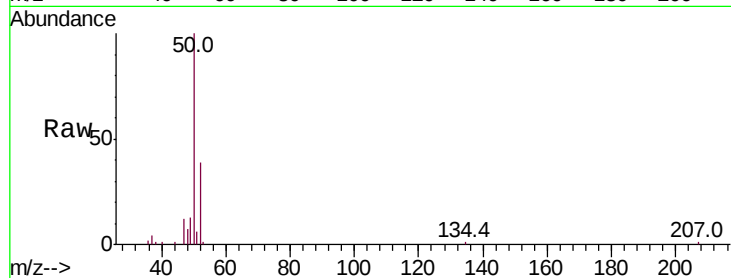
VSTDCCC050EC

Tot Ion: 50 Resp: 46074

Ion Ratio Lower Upper

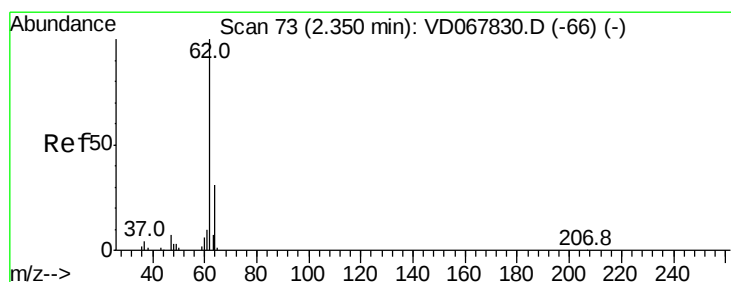
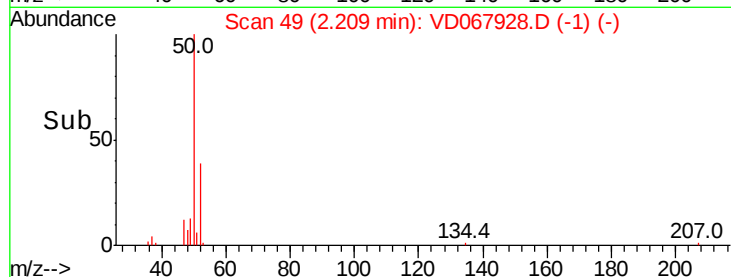
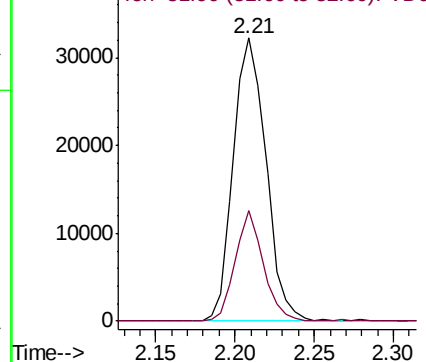
50 100

52 38.9 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.847 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067928.D

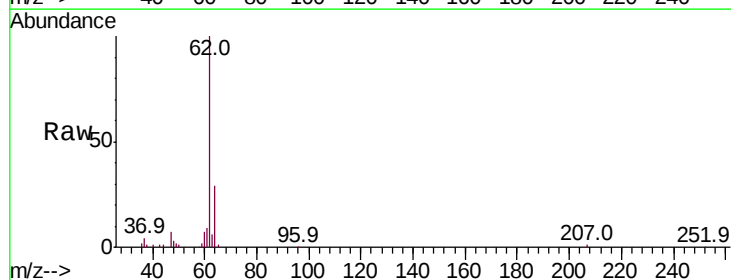
Acq: 09 Dec 2020 16:23

Tgt Ion: 62 Resp: 57824

Ion Ratio Lower Upper

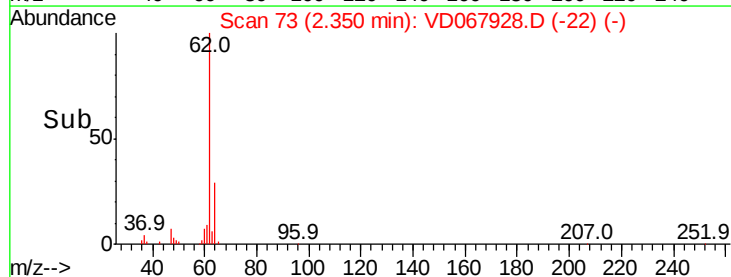
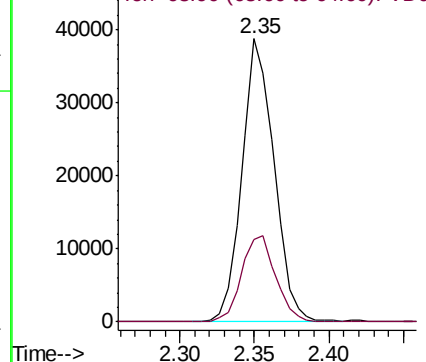
62 100

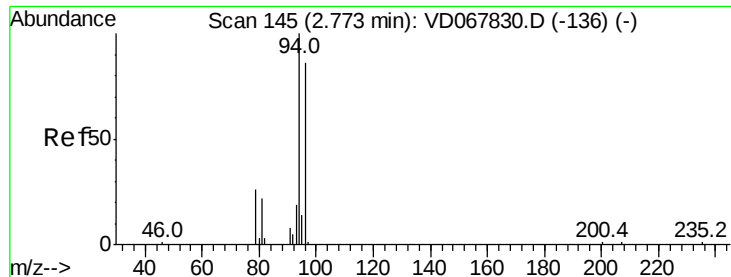
64 28.9 24.5 36.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 55.540 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

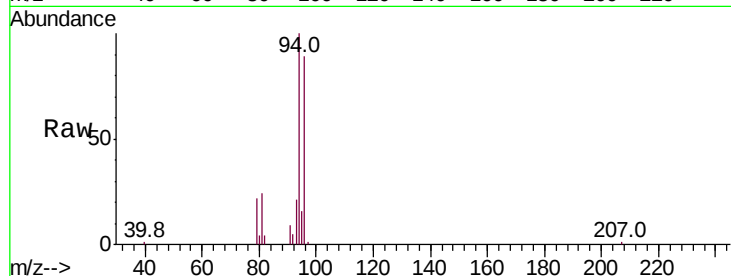
VSTDCCC050EC

Tot Ion: 94 Resp: 59920

Ion Ratio Lower Upper

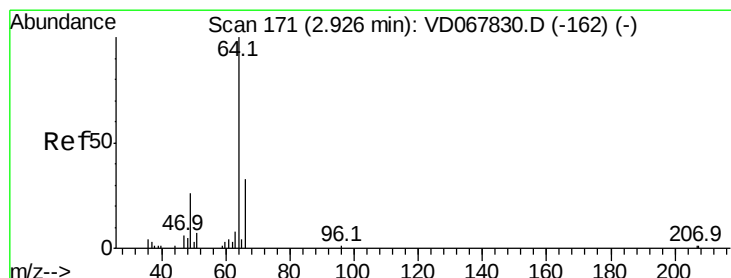
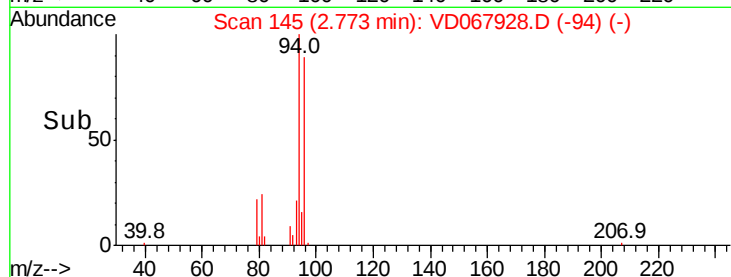
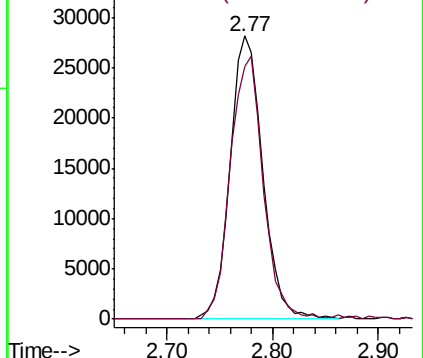
94 100

96 89.4 68.7 103.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.097 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067928.D

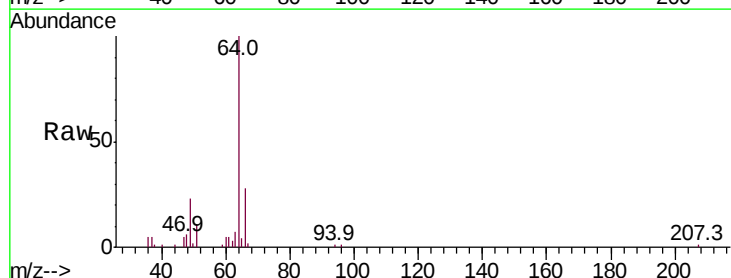
Acq: 09 Dec 2020 16:23

Tgt Ion: 64 Resp: 40992

Ion Ratio Lower Upper

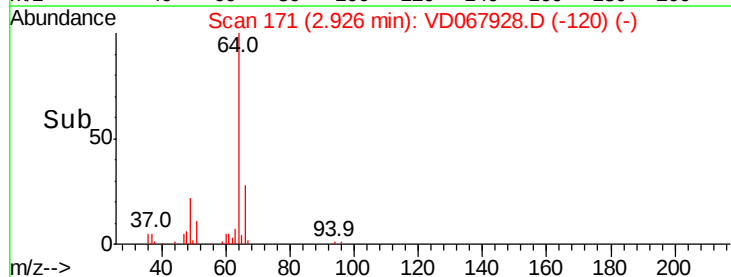
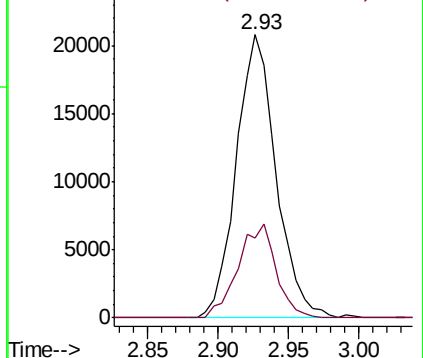
64 100

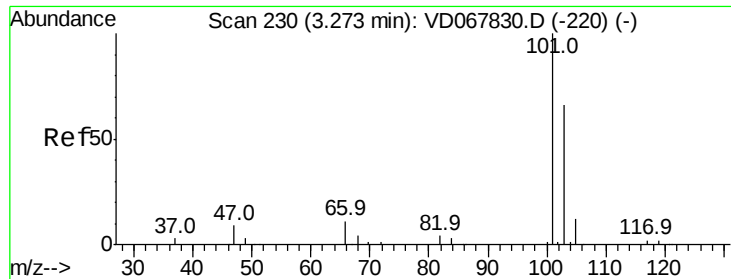
66 28.0 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



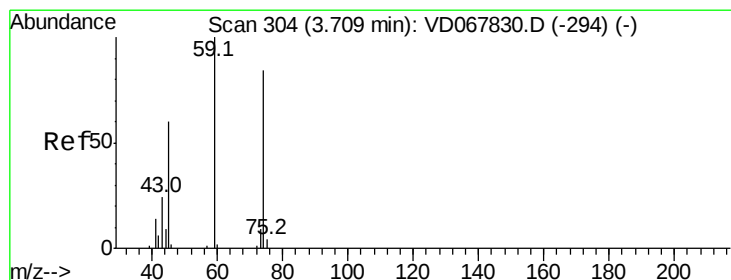
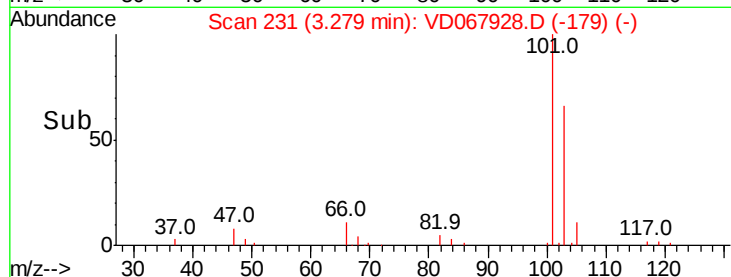
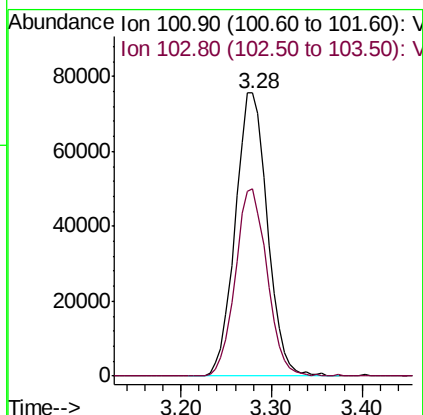
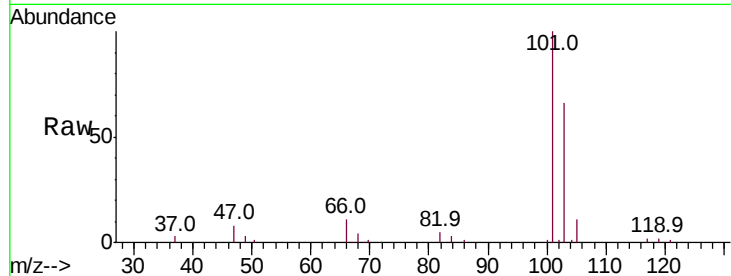


#7

Trichlorofluoromethane
 Concen: 50.463 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

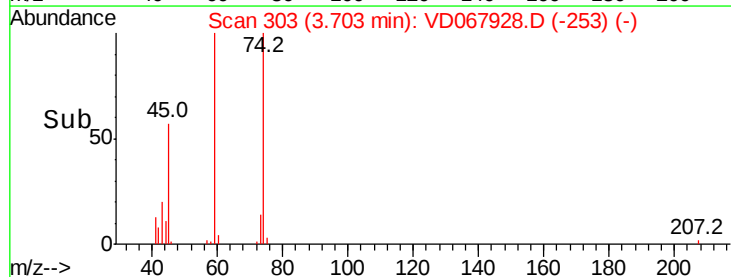
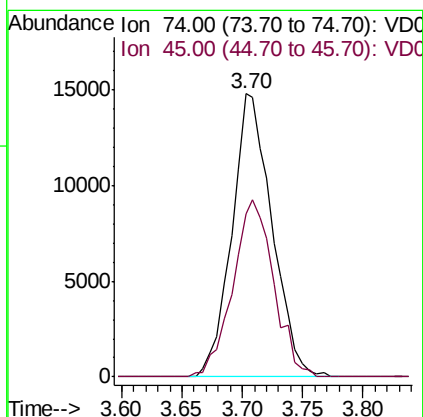
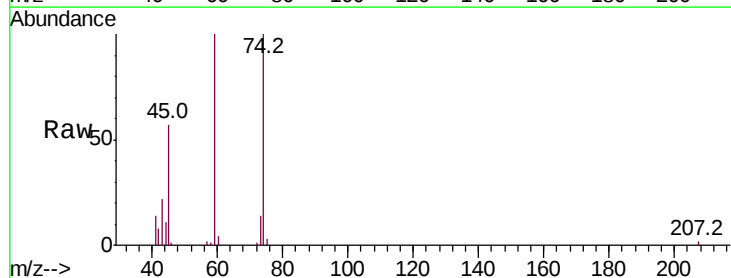
Tot Ion:101 Resp: 186615
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.0 79.6

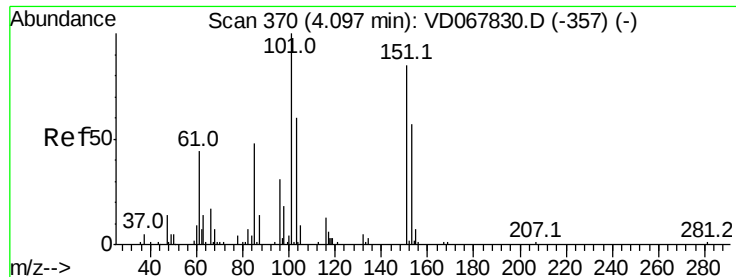


#8

Diethyl Ether
 Concen: 47.510 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Tgt Ion: 74 Resp: 34244
 Ion Ratio Lower Upper
 74 100
 45 63.6 33.9 101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.648 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

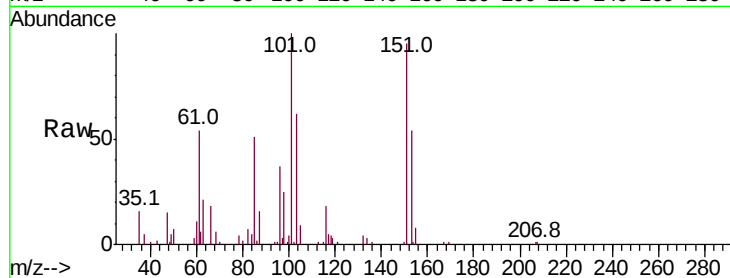
Tot Ion:101 Resp: 80349

Ion Ratio Lower Upper

101 100

85 47.6 36.2 54.4

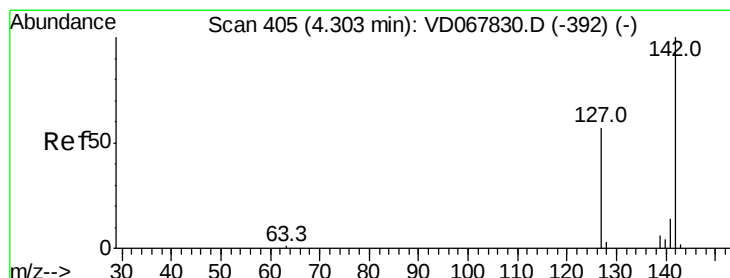
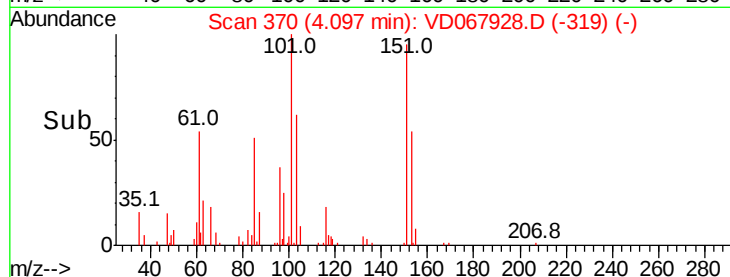
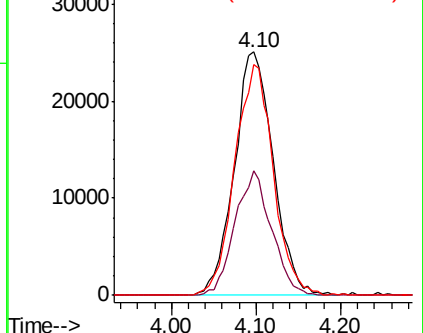
151 93.3 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.114 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

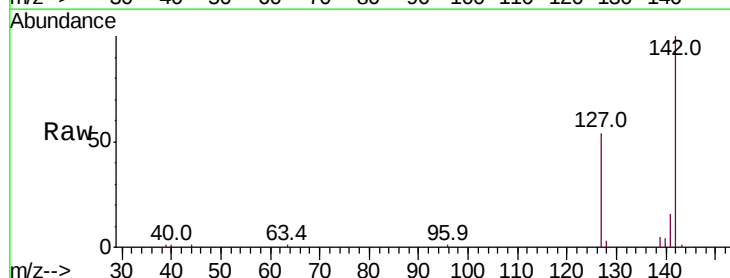
Tgt Ion:142 Resp: 86000

Ion Ratio Lower Upper

142 100

127 55.2 43.9 65.9

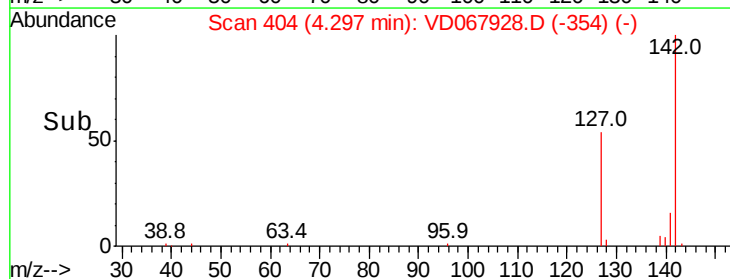
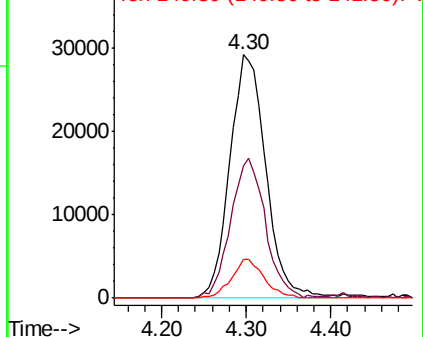
141 14.5 12.2 18.2

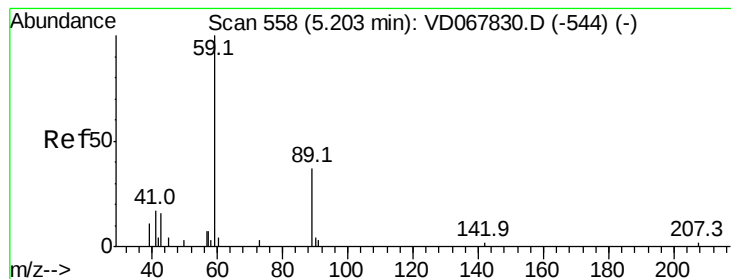


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



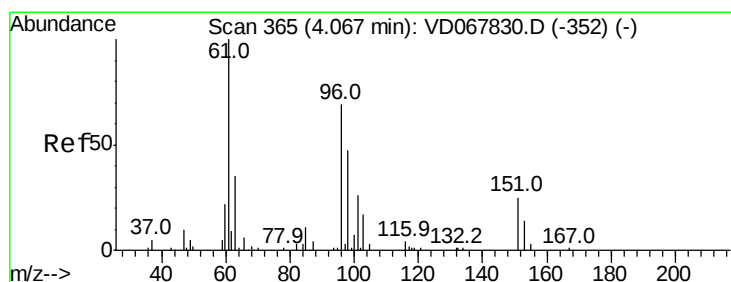
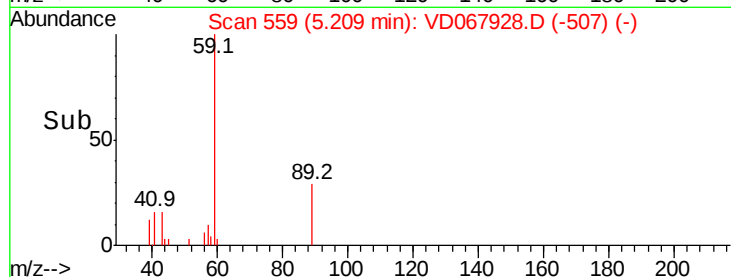
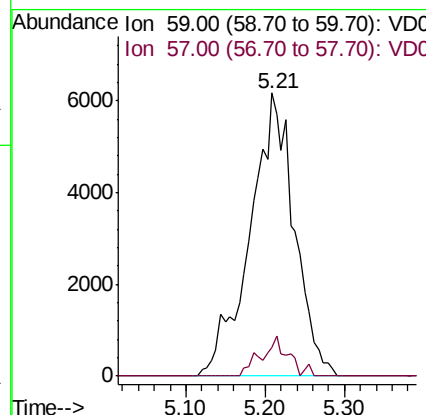
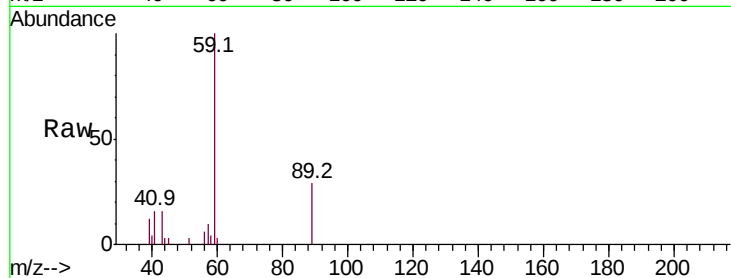


#11

Tert butyl alcohol
 Concen: 219.141 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

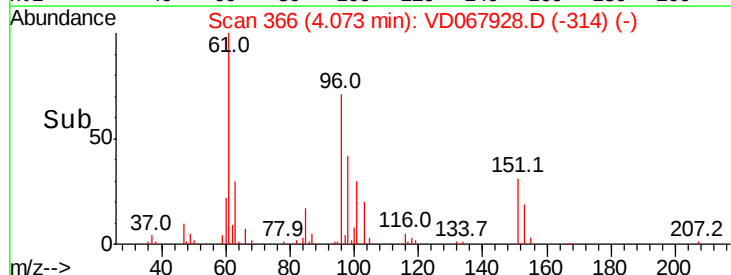
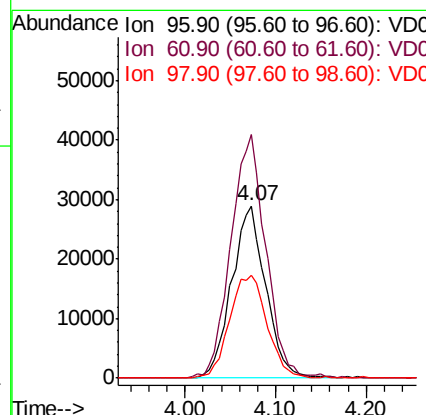
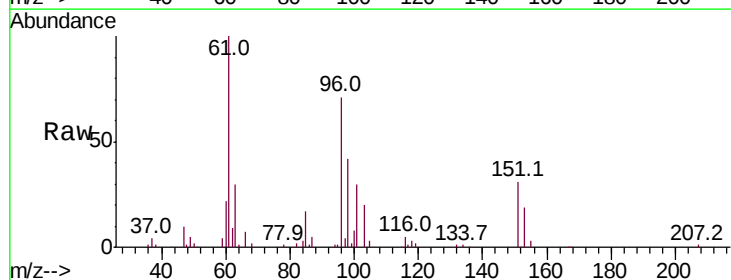
Tot Ion: 59 Resp: 23857
 Ion Ratio Lower Upper
 59 100
 57 8.4 7.7 11.5

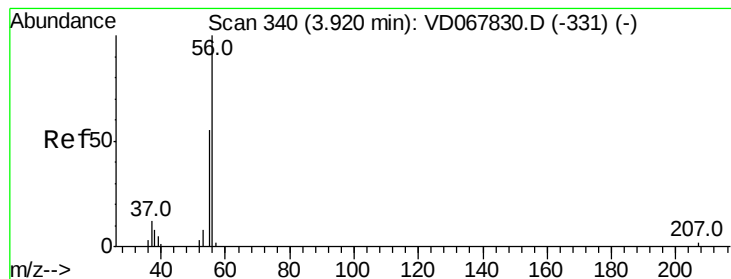


#12

1,1-Dichloroethene
 Concen: 47.904 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Tgt Ion: 96 Resp: 75840
 Ion Ratio Lower Upper
 96 100
 61 140.6 116.1 174.1
 98 59.6 54.6 82.0





#13

Acrolein

Concen: 222.978 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

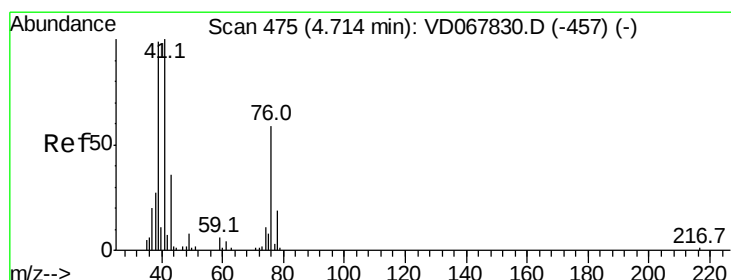
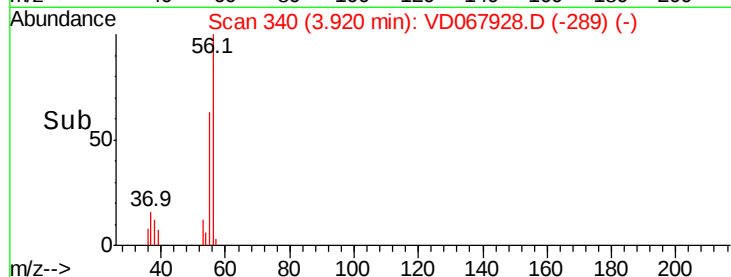
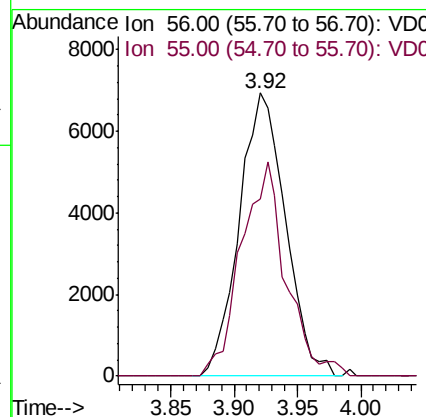
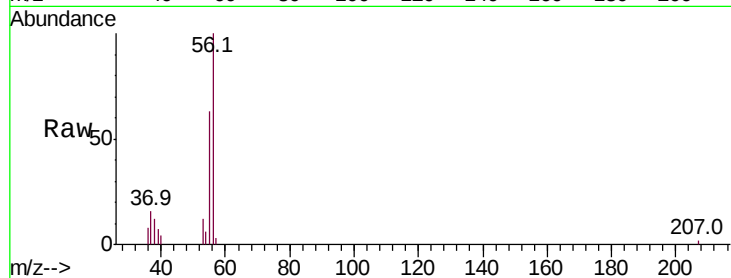
VSTDCCC050EC

Tot Ion: 56 Resp: 17575

Ion Ratio Lower Upper

56 100

55 73.5 56.5 84.7



#14

Allyl chloride

Concen: 46.880 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

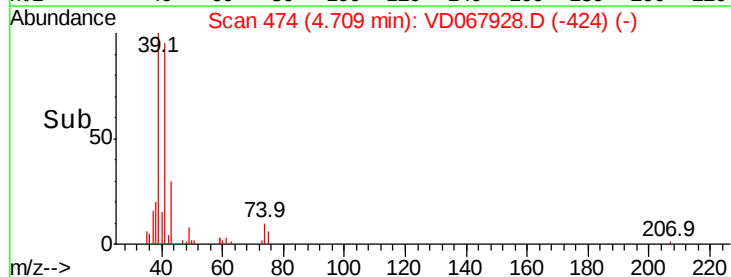
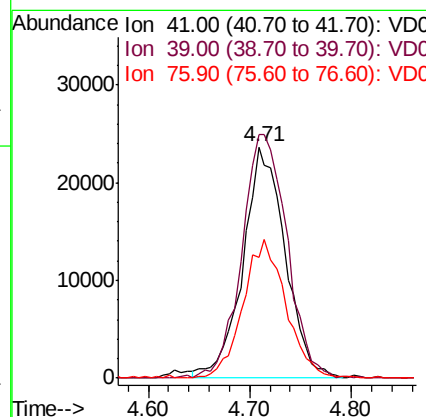
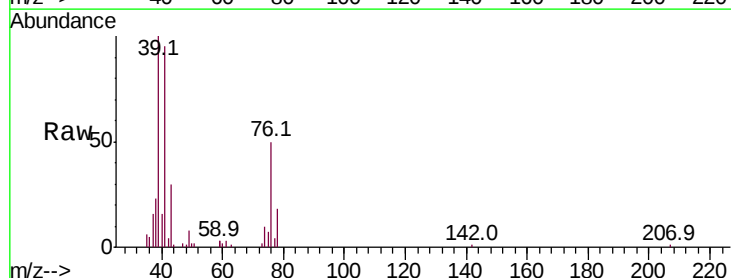
Tgt Ion: 41 Resp: 68661

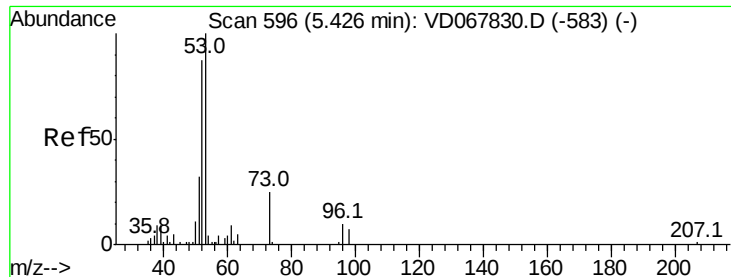
Ion Ratio Lower Upper

41 100

39 113.0 79.0 118.6

76 60.6 46.6 70.0





#15

Acrylonitrile

Concen: 228.048 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

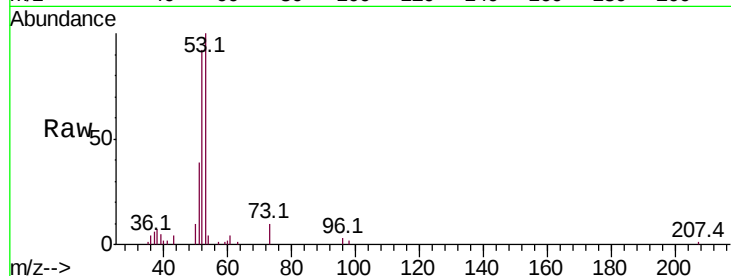
Tot Ion: 53 Resp: 56995

Ion Ratio Lower Upper

53 100

52 82.4 66.2 99.2

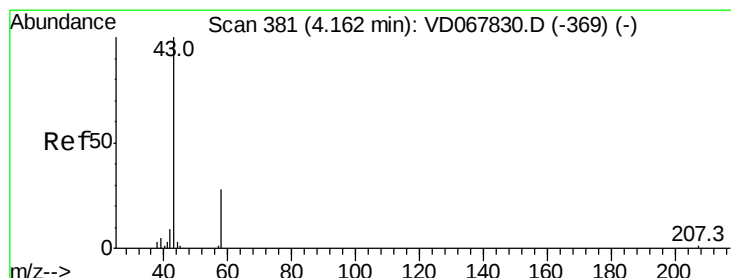
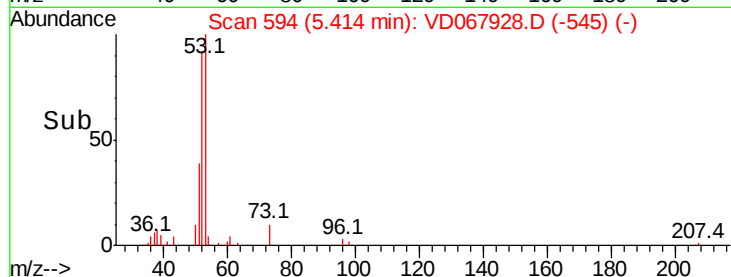
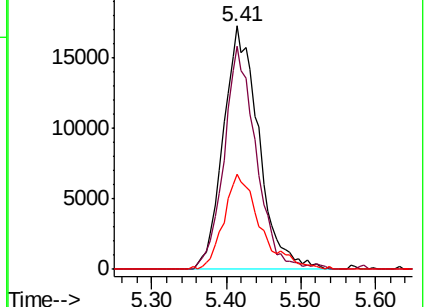
51 40.1 31.1 46.7



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: 217.432 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067928.D

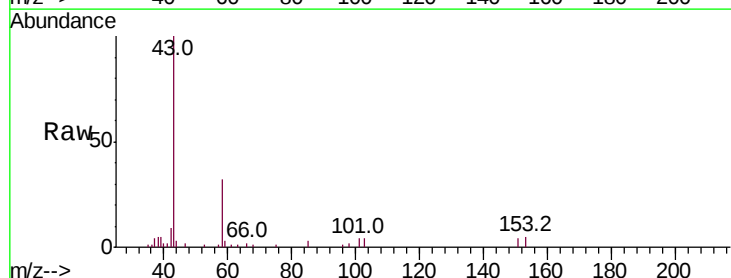
Acq: 09 Dec 2020 16:23

Tgt Ion: 43 Resp: 55108

Ion Ratio Lower Upper

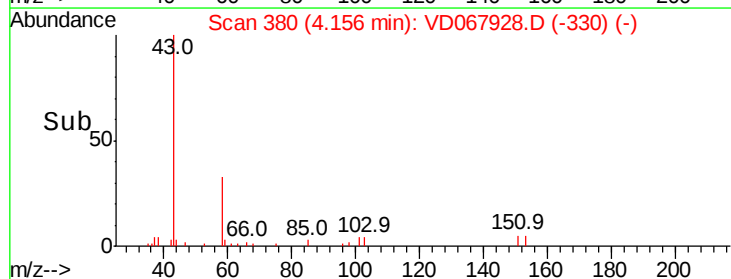
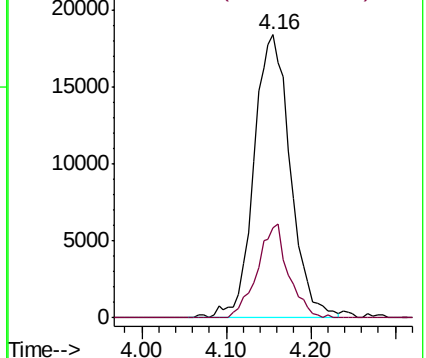
43 100

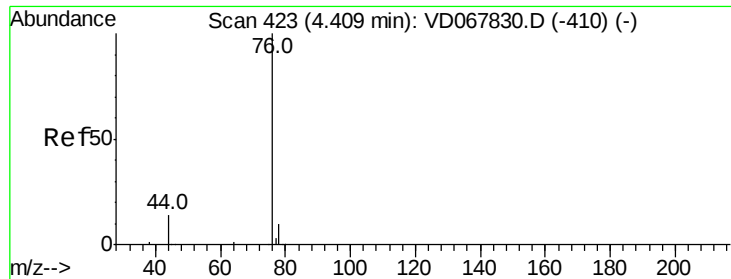
58 31.9 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

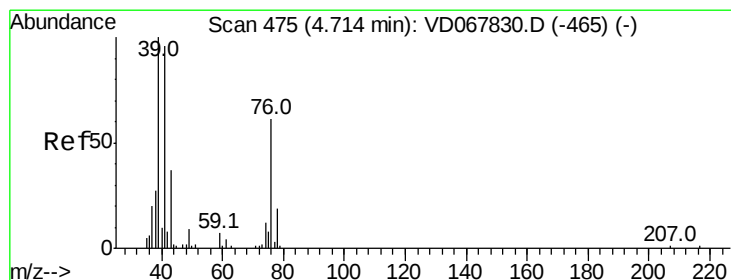
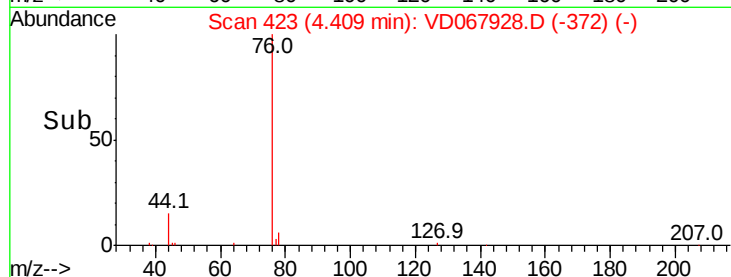
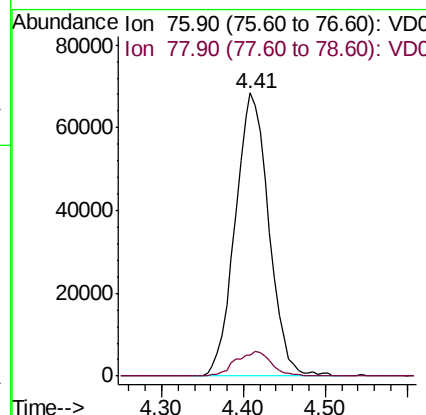
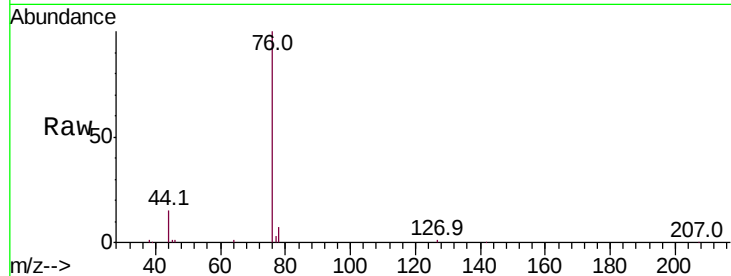




#17
Carbon Disulfide
Concen: 44.182 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

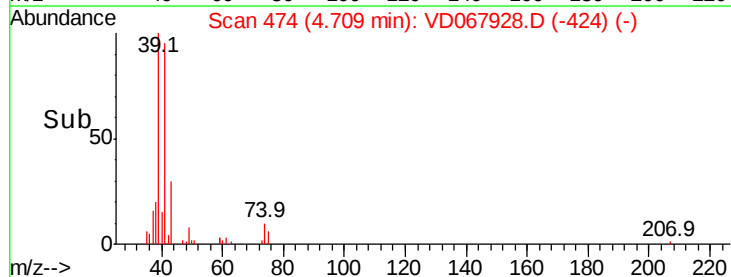
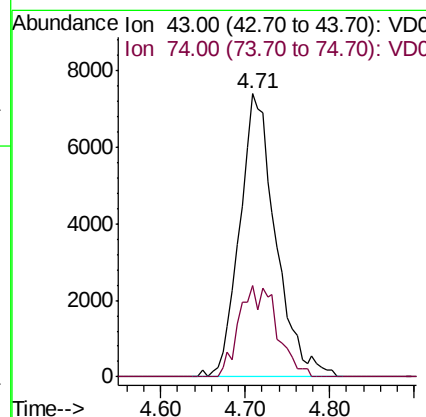
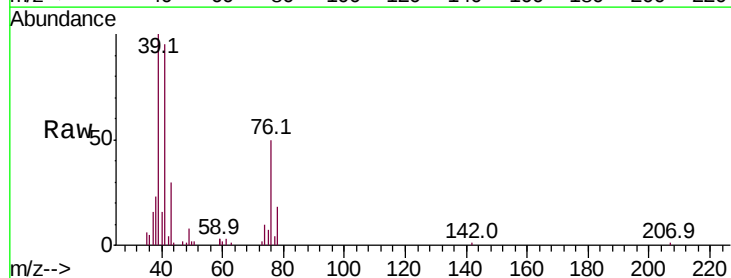
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

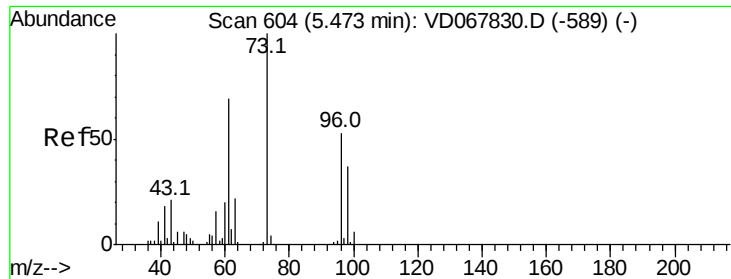
Tot Ion: 76 Resp: 195293
Ion Ratio Lower Upper
76 100
78 7.2 7.8 11.6#



#18
Methyl Acetate
Concen: 45.715 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion: 43 Resp: 21774
Ion Ratio Lower Upper
43 100
74 17.5 27.0 40.4#

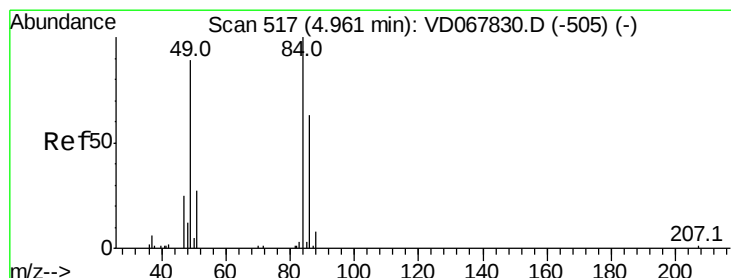
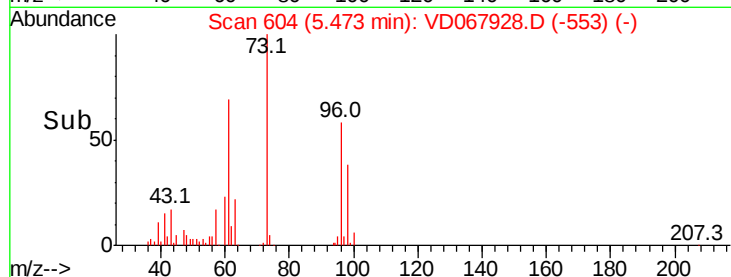
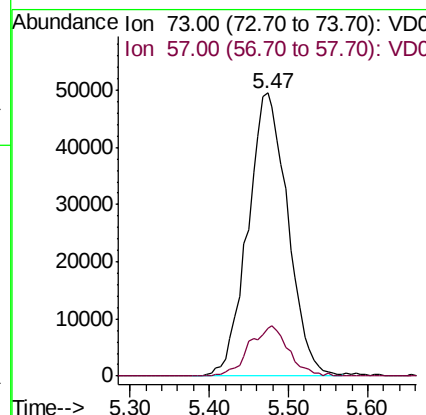
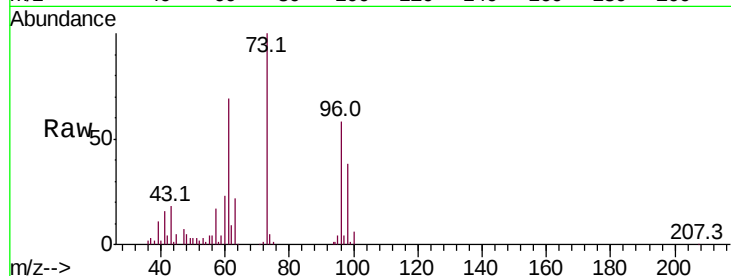




#19
Methyl tert-butyl Ether
Concen: 51.163 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

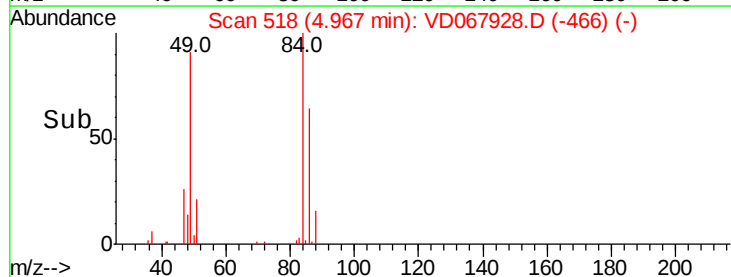
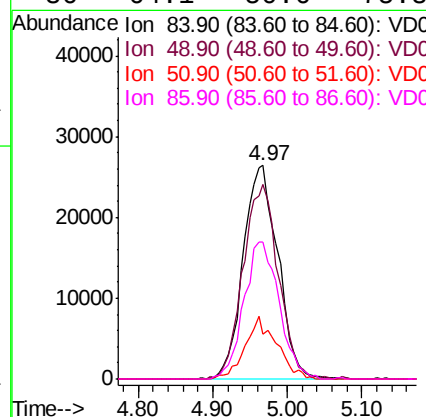
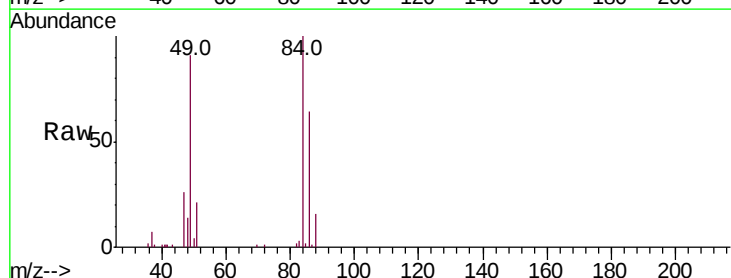
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

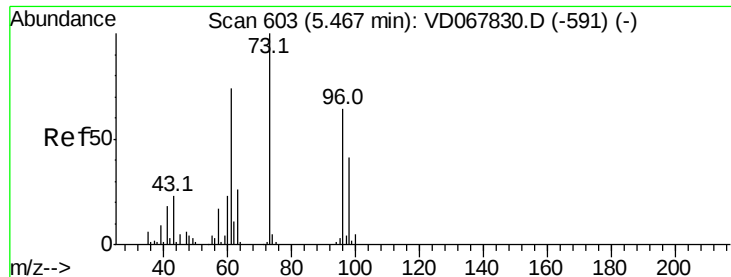
Tot Ion: 73 Resp: 173446
Ion Ratio Lower Upper
73 100
57 17.1 13.2 19.8



#20
Methylene Chloride
Concen: 52.216 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion: 84 Resp: 85427
Ion Ratio Lower Upper
84 100
49 90.9 71.4 107.0
51 20.9 21.8 32.8#
86 64.1 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 48.212 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

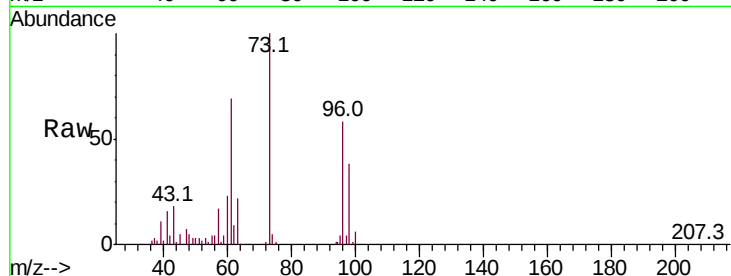
Tot Ion: 96 Resp: 86856

Ion Ratio Lower Upper

96 100

61 120.0 93.1 139.7

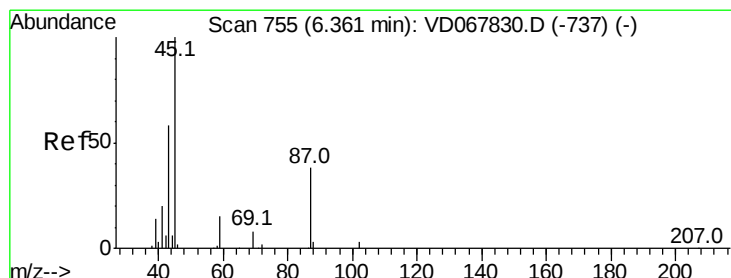
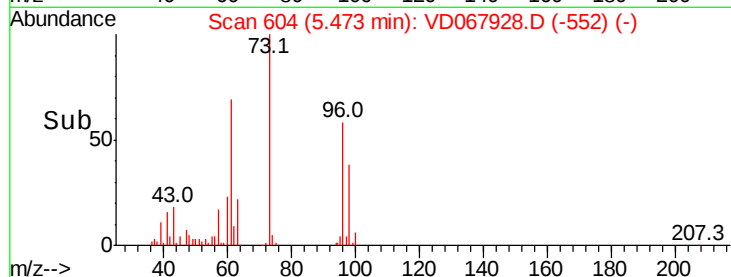
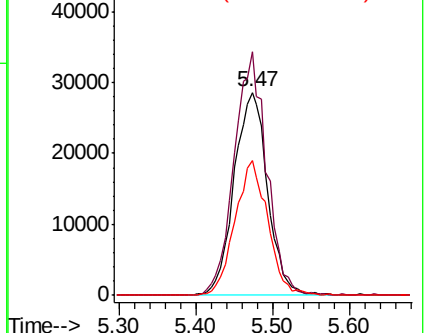
98 66.2 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 47.837 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Tgt Ion: 45 Resp: 140914

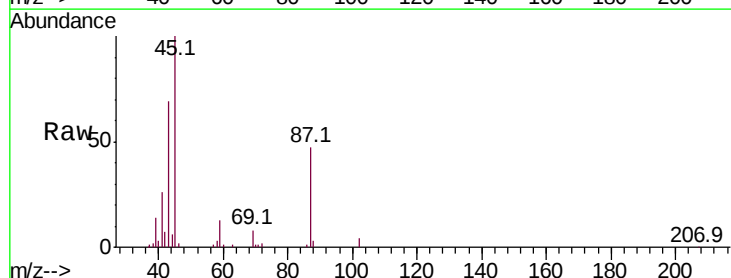
Ion Ratio Lower Upper

45 100

43 67.6 49.8 74.6

87 47.0 32.1 48.1

59 13.5 11.9 17.9

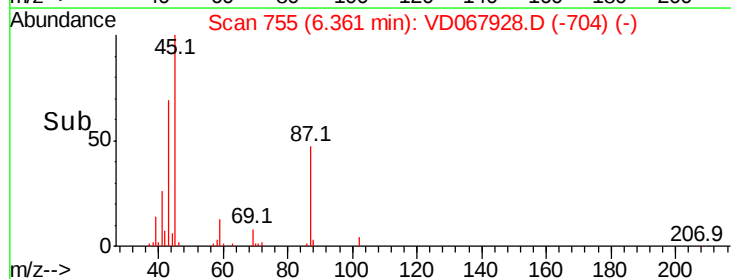
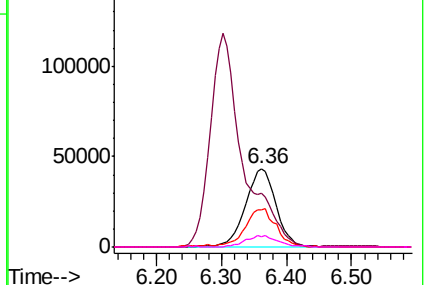


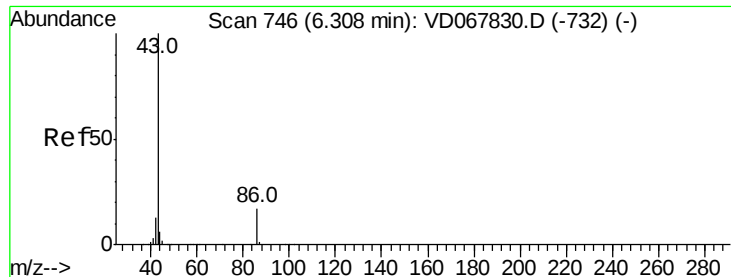
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC

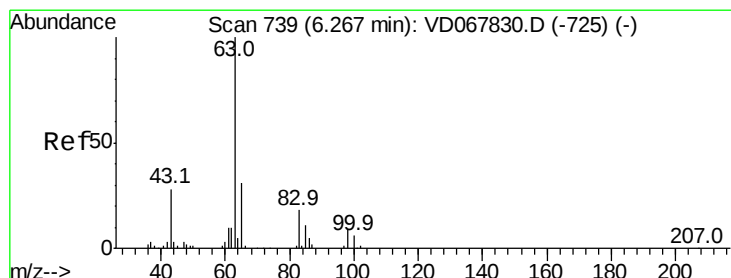
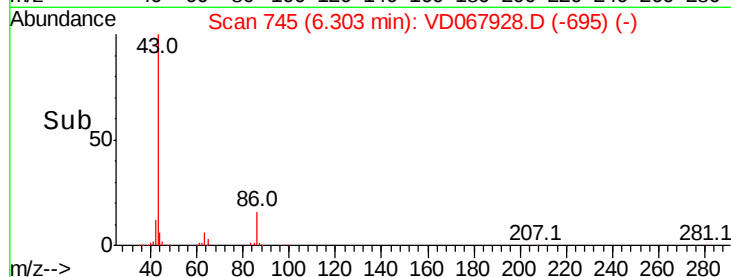
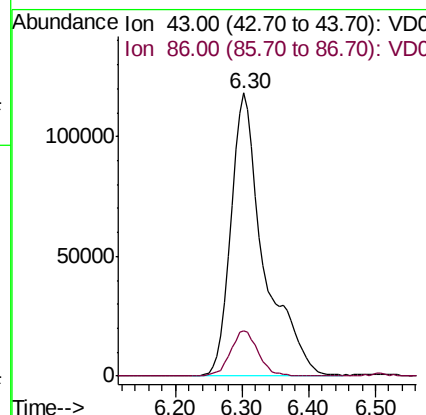
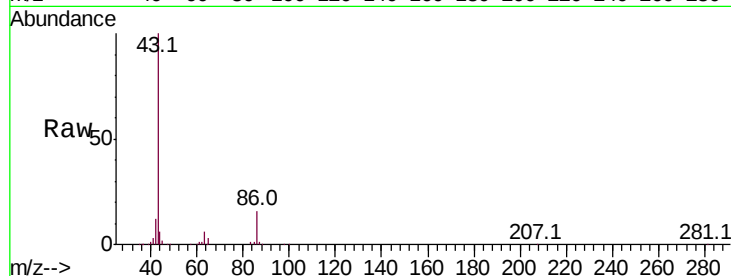




#23
 Vinyl Acetate
 Concen: 251.339 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

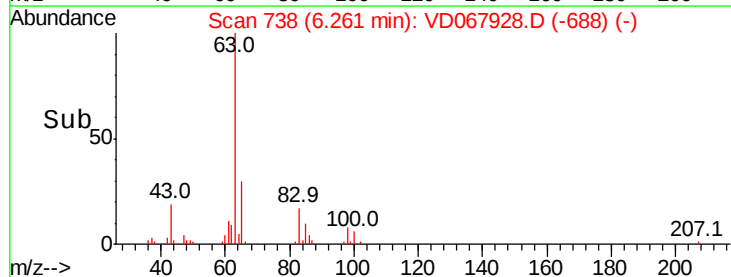
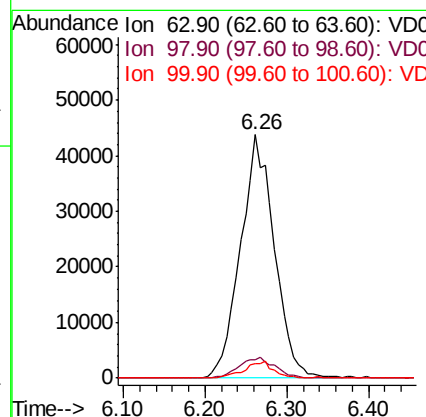
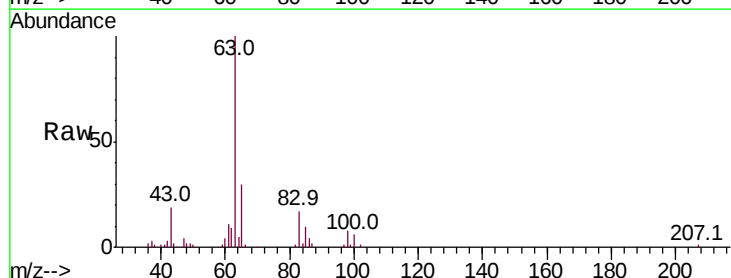
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

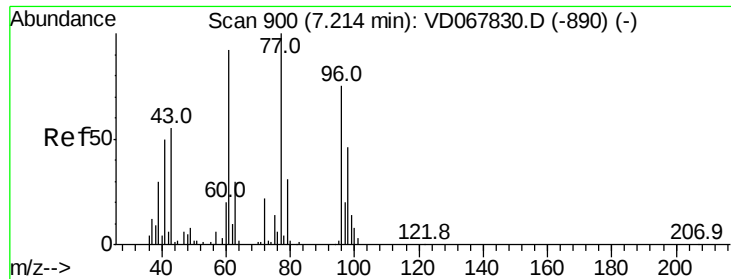
Tot Ion: 43 Resp: 411881
 Ion Ratio Lower Upper
 43 100
 86 16.1 13.8 20.6



#24
 1,1-Dichloroethane
 Concen: 48.871 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Tgt Ion: 63 Resp: 126196
 Ion Ratio Lower Upper
 63 100
 98 7.6 4.5 13.5
 100 6.1 3.0 9.2





#25

2-Butanone

Concen: 215.464 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

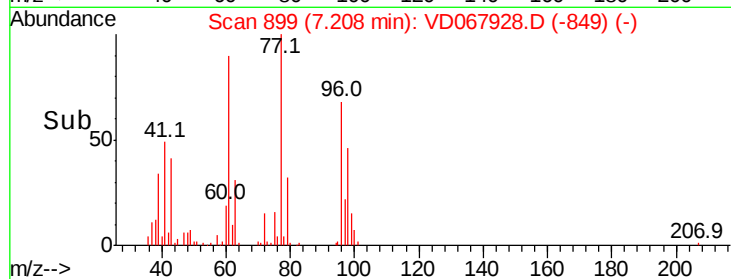
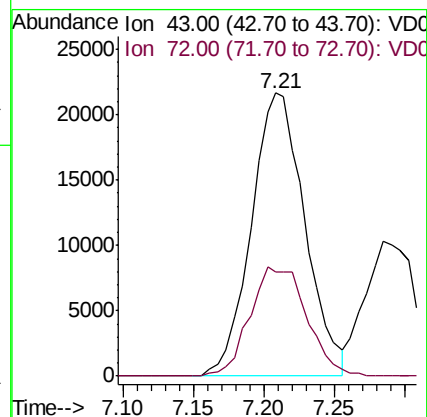
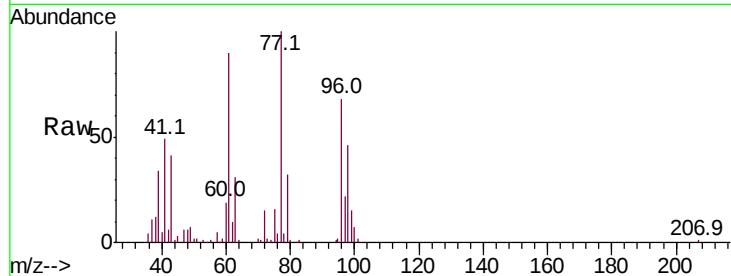
VSTDCCC050EC

Tot Ion: 43 Resp: 57438

Ion Ratio Lower Upper

43 100

72 36.6 31.3 46.9



#26

2,2-Dichloropropane

Concen: 51.819 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067928.D

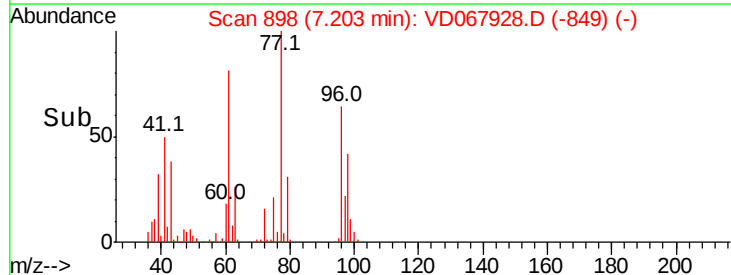
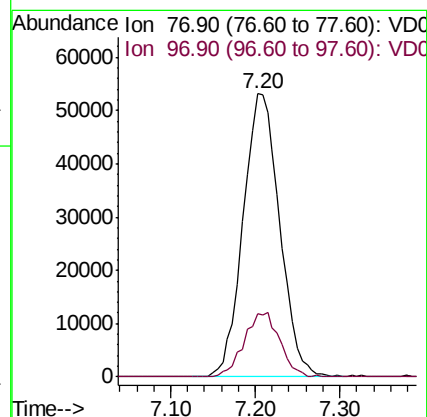
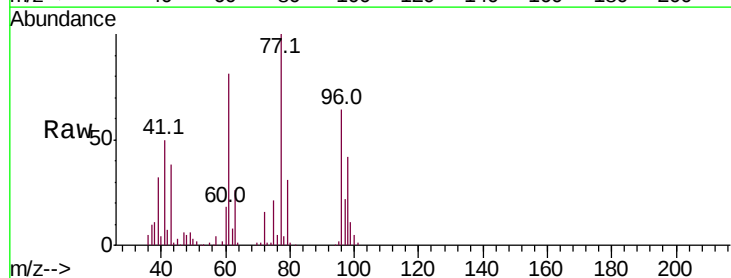
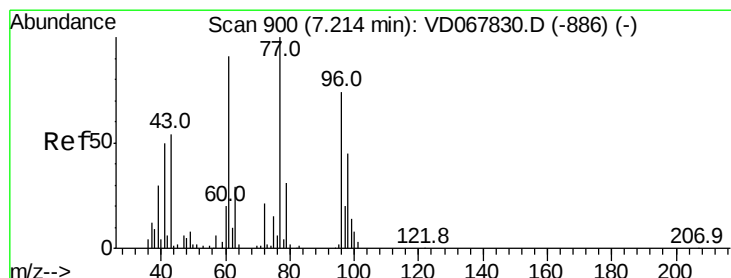
Acq: 09 Dec 2020 16:23

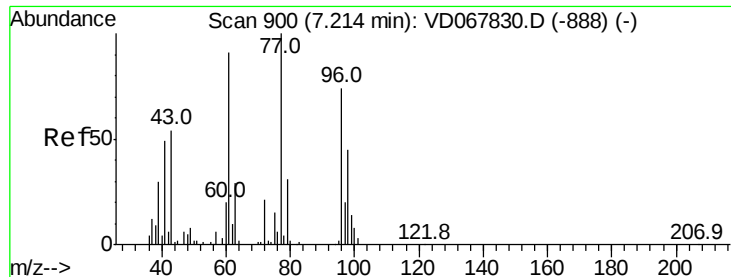
Tgt Ion: 77 Resp: 159562

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 49.911 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

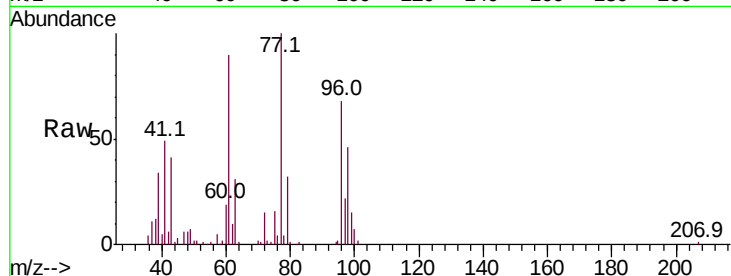
Tot Ion: 96 Resp: 98348

Ion Ratio Lower Upper

96 100

61 129.0 0.0 248.4

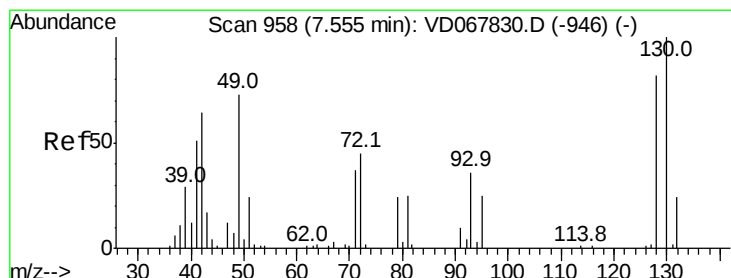
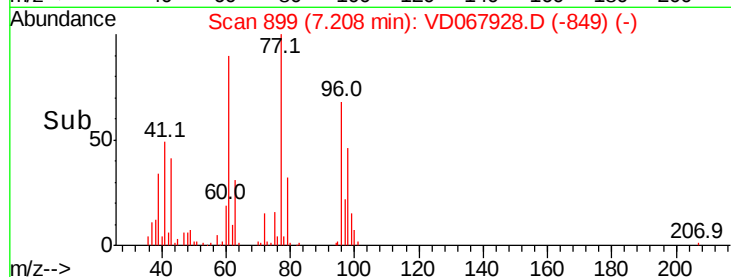
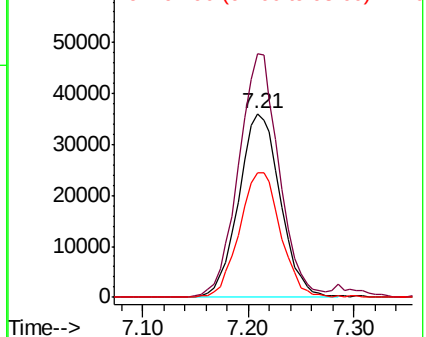
98 67.6 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 48.508 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

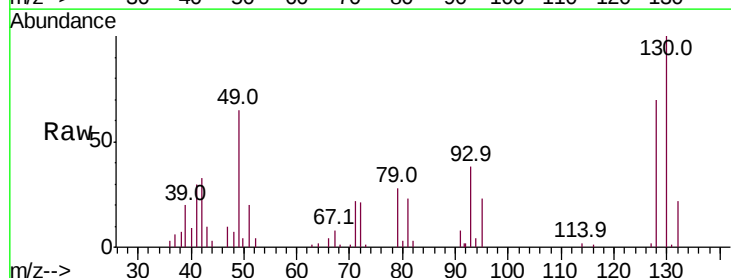
Tgt Ion: 49 Resp: 39769

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.4

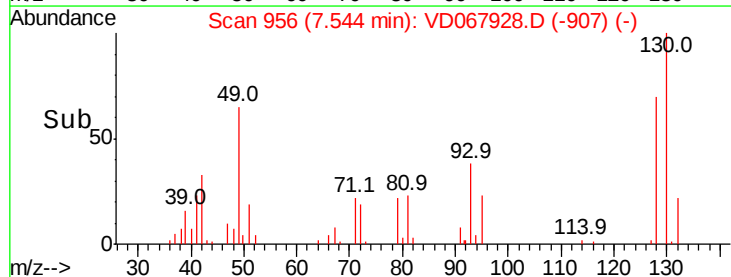
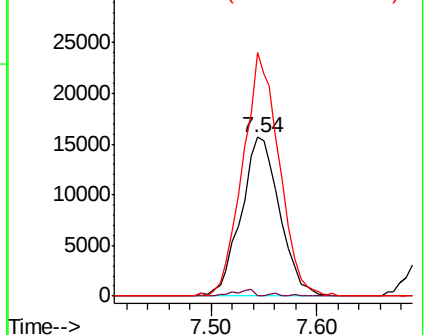
130 144.7 110.2 165.2

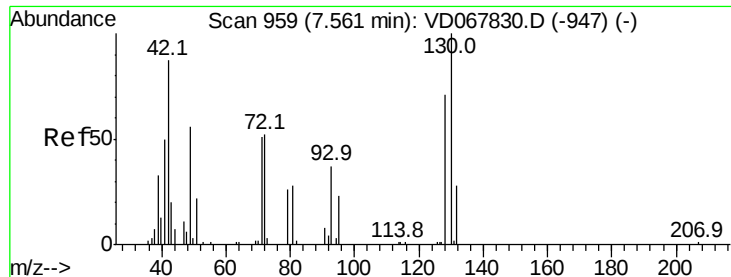


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 212.957 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

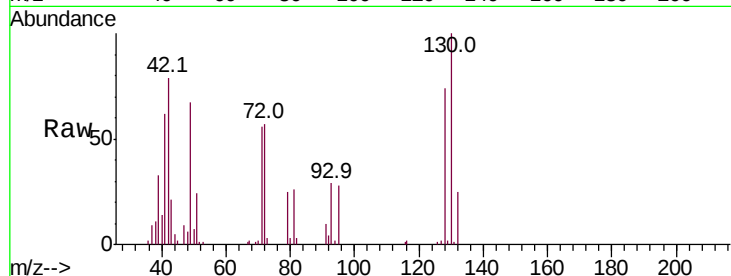
Tot Ion: 42 Resp: 32324

Ion Ratio Lower Upper

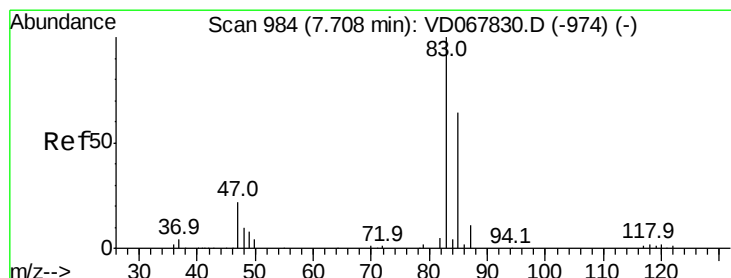
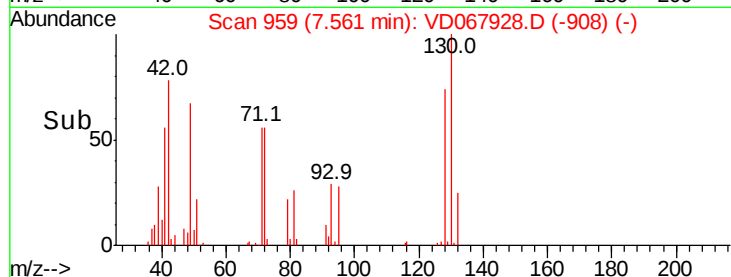
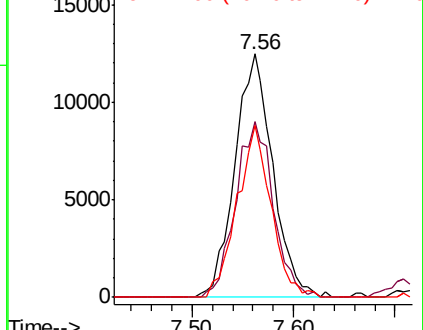
42 100

72 71.5 51.9 77.9

71 63.6 48.2 72.4



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: 50.397 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.00 min

Lab File: VD067928.D

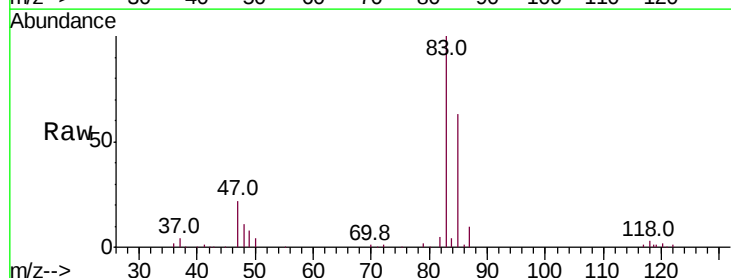
Acq: 09 Dec 2020 16:23

Tgt Ion: 83 Resp: 173911

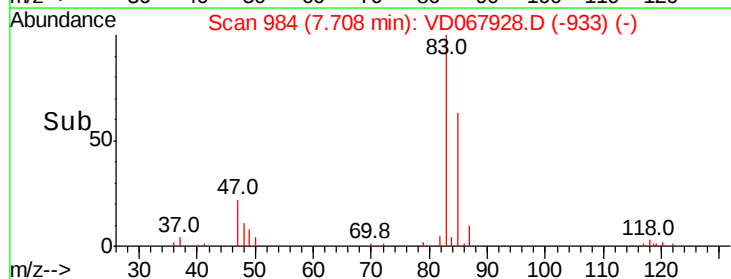
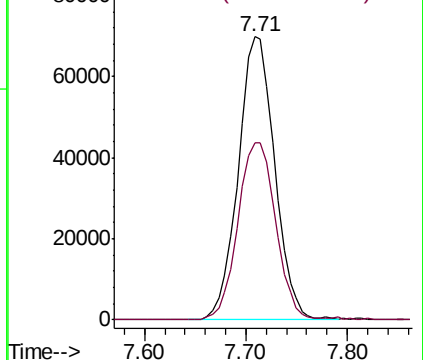
Ion Ratio Lower Upper

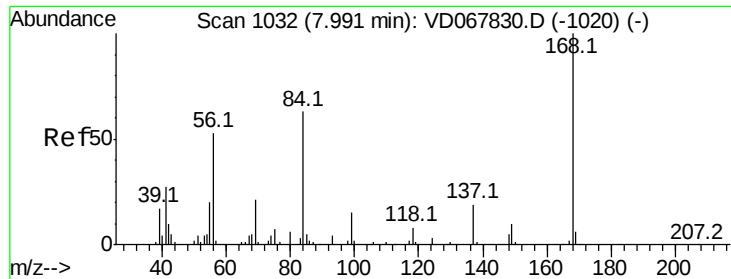
83 100

85 62.6 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

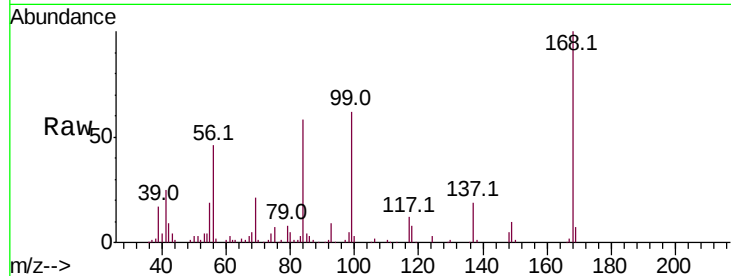




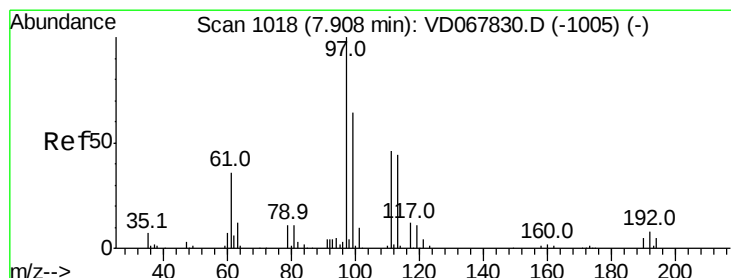
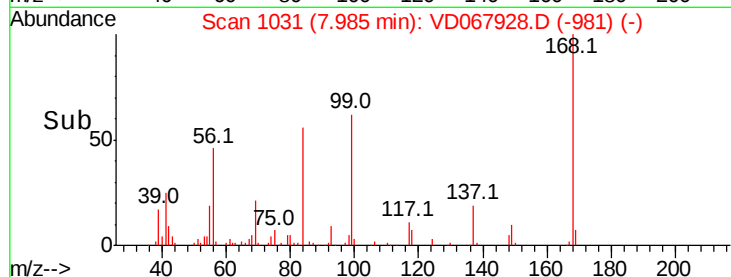
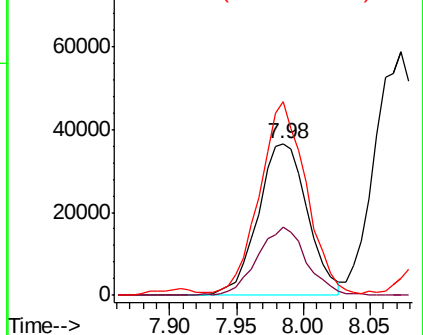
#31
Cyclohexane
Concen: 43.455 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 93903
Ion Ratio Lower Upper
56 100
69 44.6 32.1 48.1
84 123.4 93.2 139.8

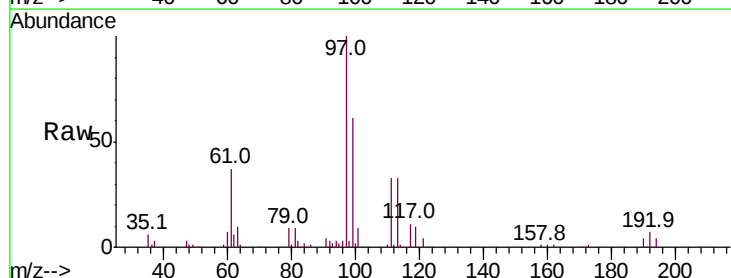


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

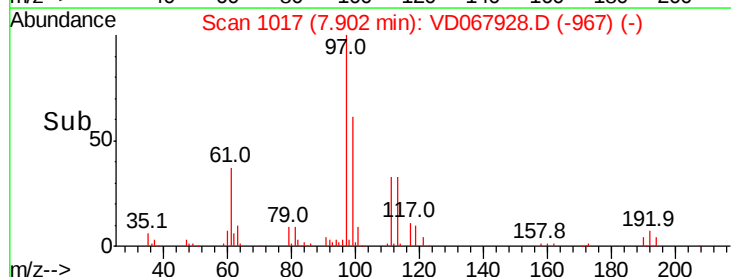
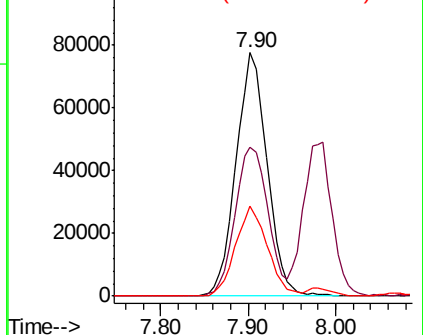


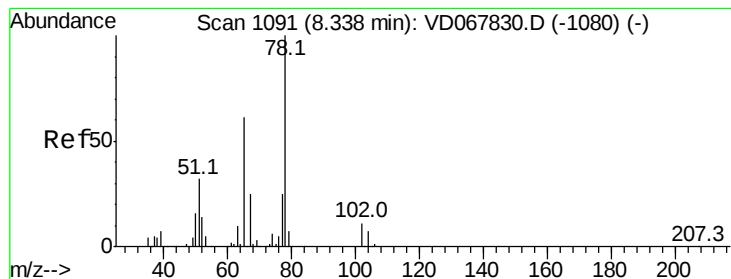
#32
1,1,1-Trichloroethane
Concen: 51.291 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion: 97 Resp: 186841
Ion Ratio Lower Upper
97 100
99 64.9 51.4 77.2
61 37.9 30.8 46.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 48.287 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

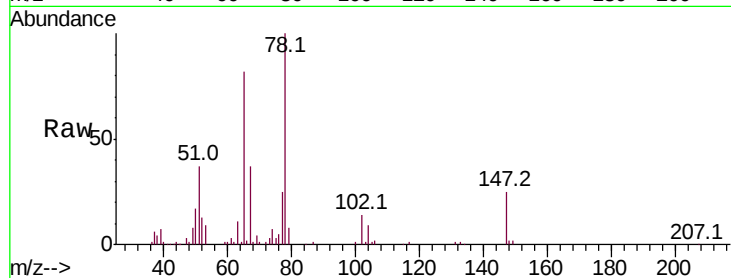
VSTDCCC050EC

Tot Ion: 65 Resp: 99040

Ion Ratio Lower Upper

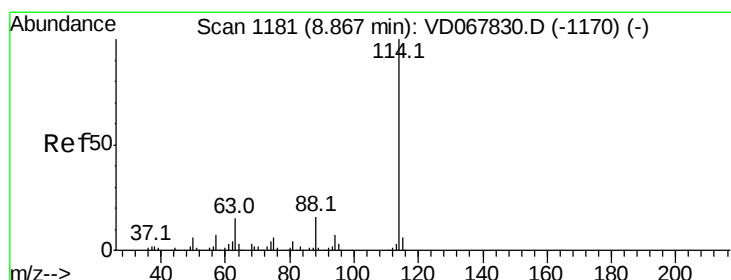
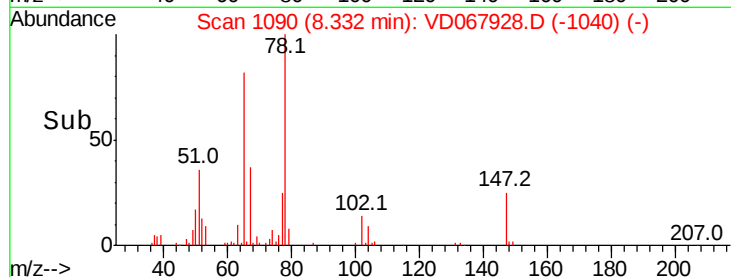
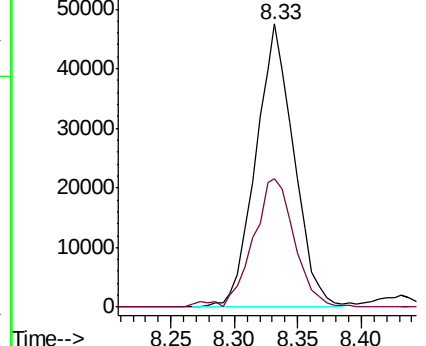
65 100

67 48.6 0.0 92.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

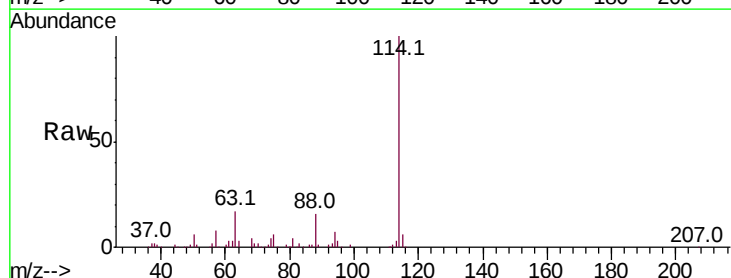
Tgt Ion: 114 Resp: 270257

Ion Ratio Lower Upper

114 100

63 16.5 0.0 30.8

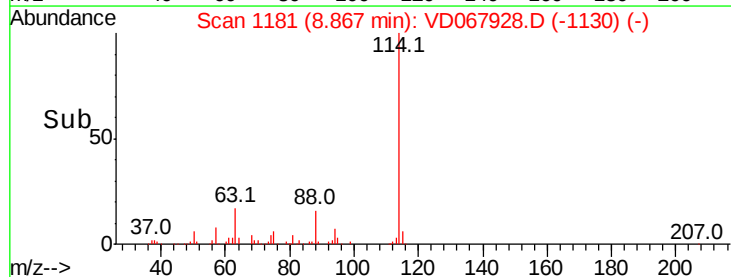
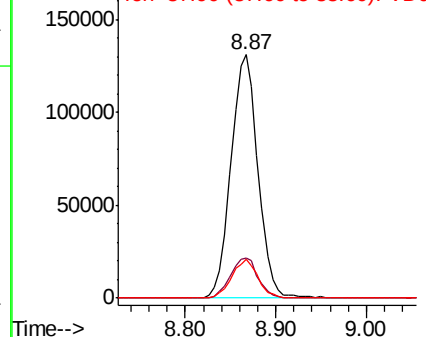
88 16.0 0.0 31.8

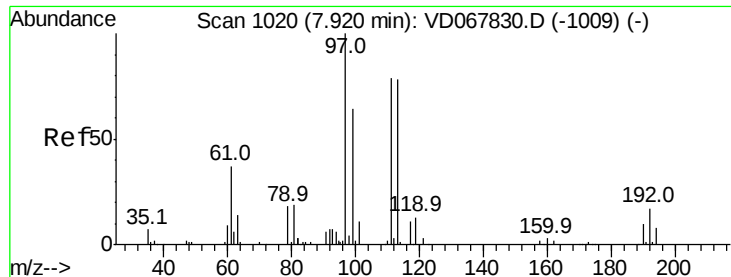


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

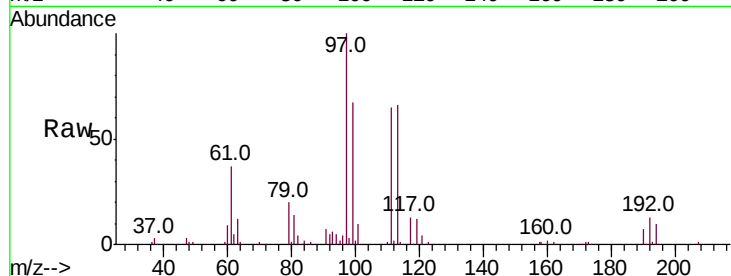




#35
 Dibromofluoromethane
 Concen: 49.727 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.2	121.8
192	21.5	16.8	25.2

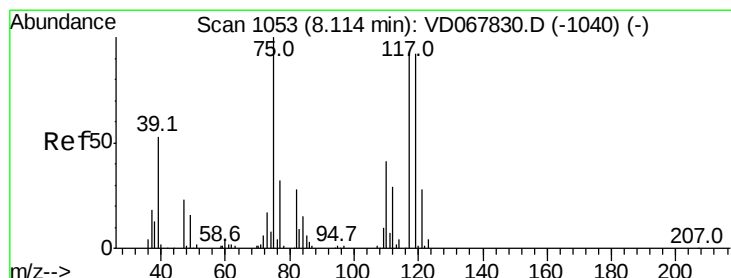
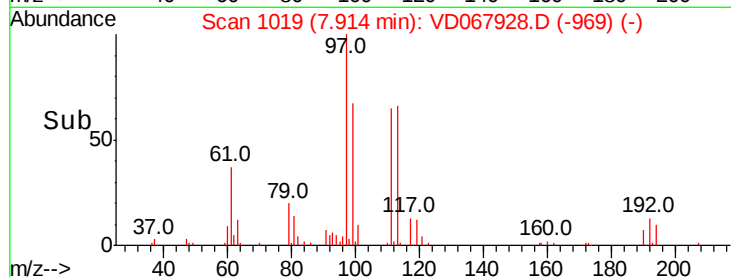
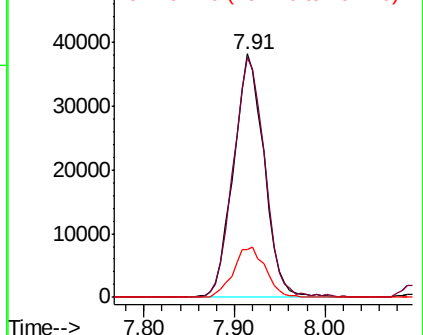


Abundance

Ion 112.80 (112.50 to 113.50): V

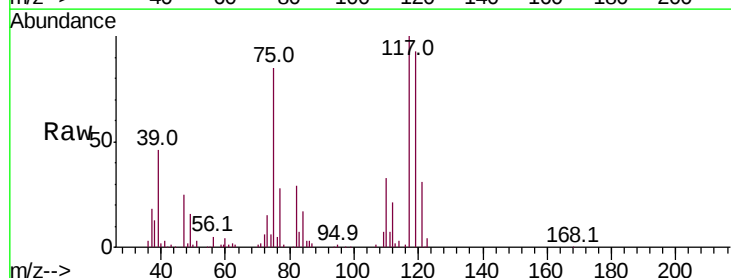
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 49.579 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.2	20.3	61.0
77	30.7	24.7	37.1

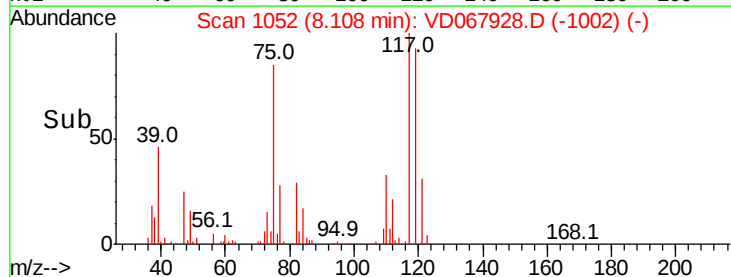
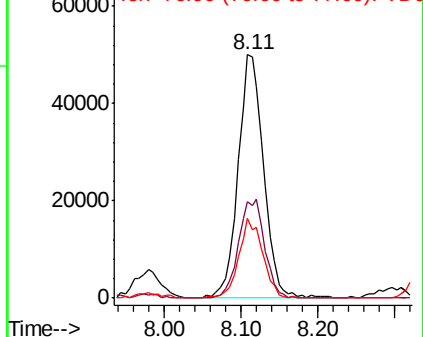


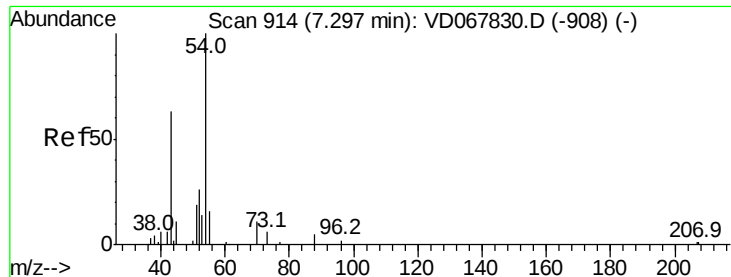
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

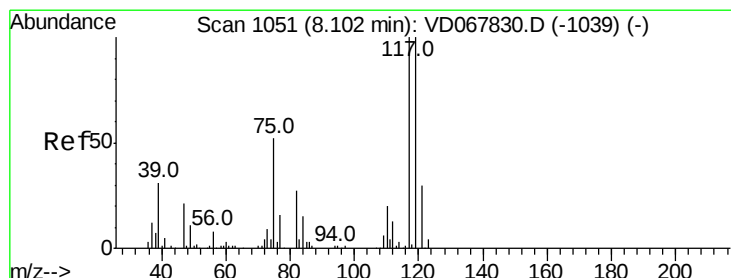
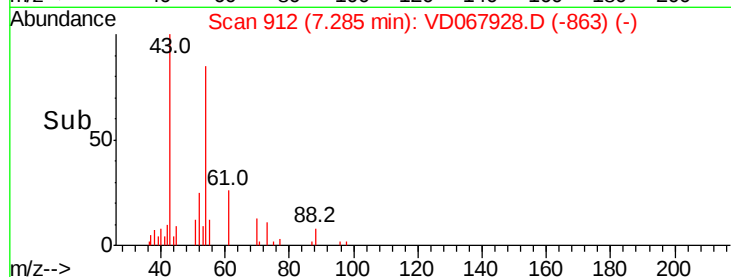
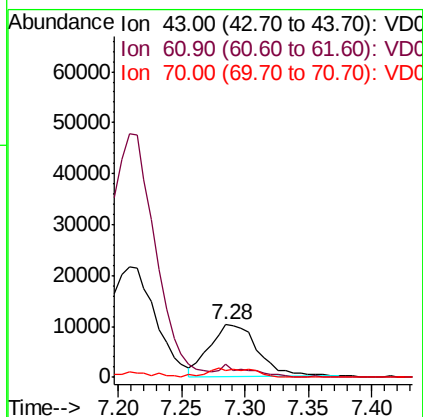
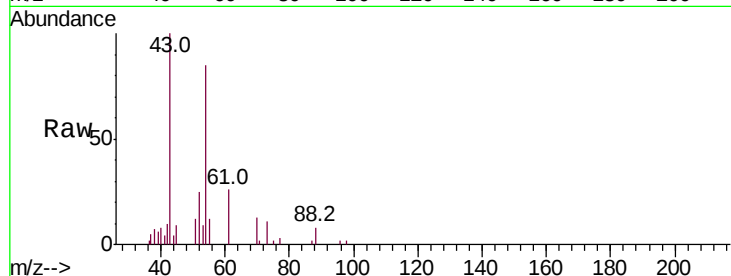




#37
Ethyl Acetate
Concen: 43.027 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

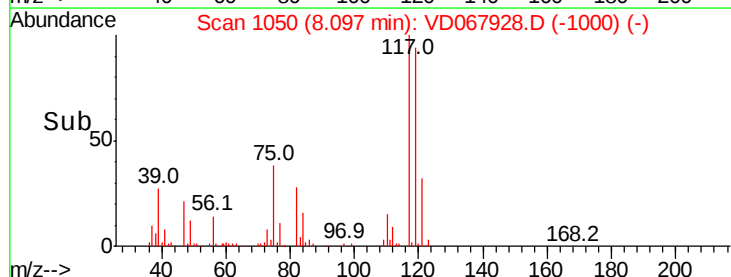
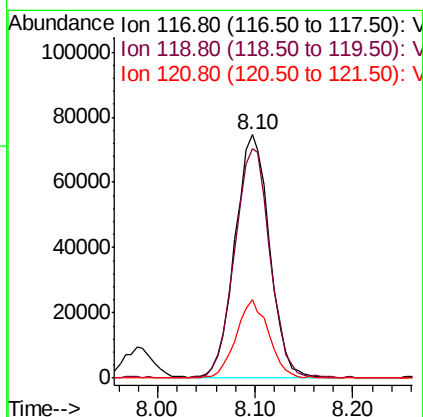
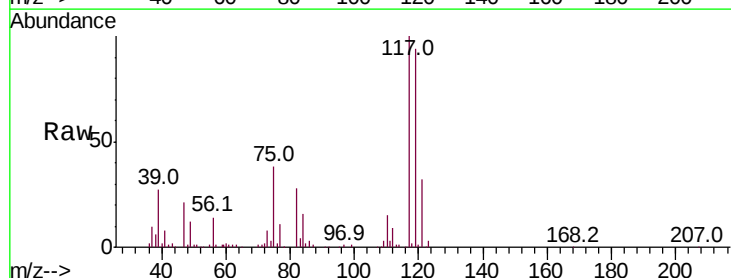
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

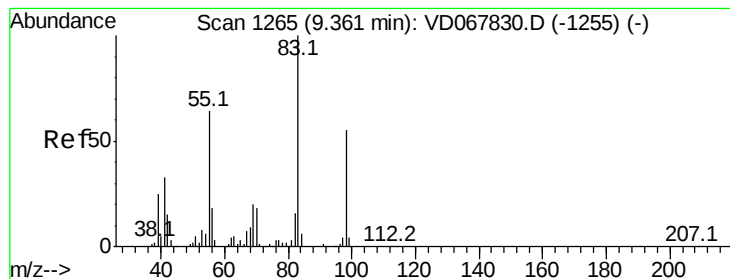
Tot Ion: 43 Resp: 27131
Ion Ratio Lower Upper
43 100
61 15.3 11.4 17.2
70 16.1 11.5 17.3



#38
Carbon Tetrachloride
Concen: 52.252 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion: 117 Resp: 184966
Ion Ratio Lower Upper
117 100
119 94.4 79.7 119.5
121 32.5 23.8 35.6





#39

Methvlcvclohexane

Concen: 48.697 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

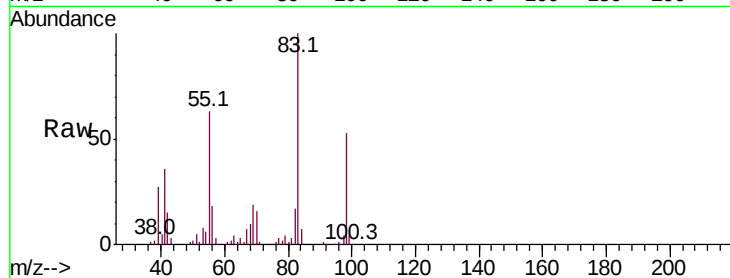
Tot Ion: 83 Resp: 135015

Ion Ratio Lower Upper

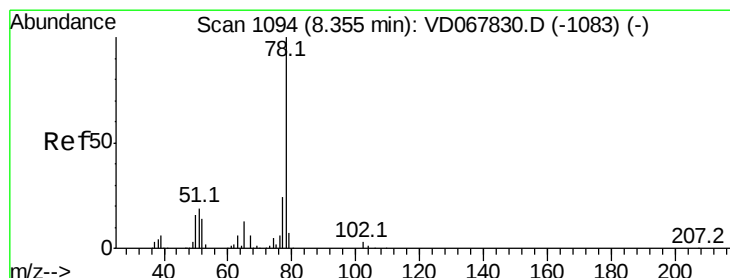
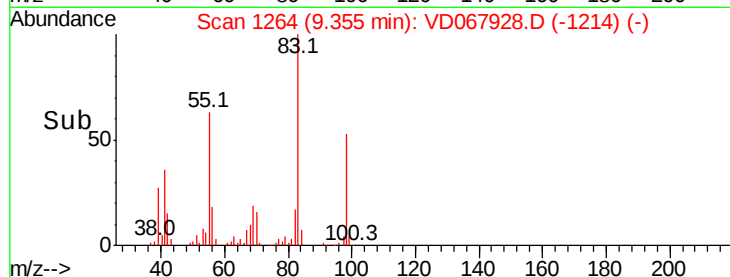
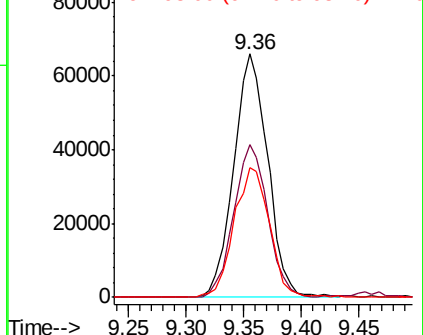
83 100

55 62.9 51.6 77.4

98 53.0 44.3 66.5



Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 49.824 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD067928.D

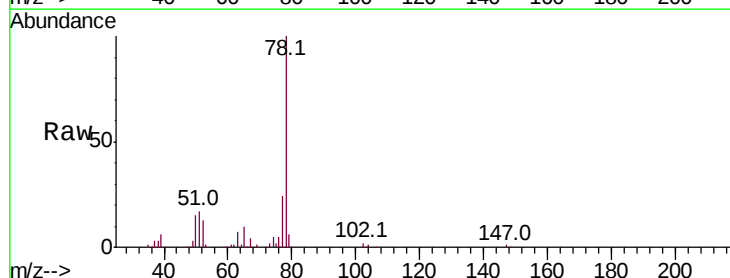
Acq: 09 Dec 2020 16:23

Tgt Ion: 78 Resp: 318963

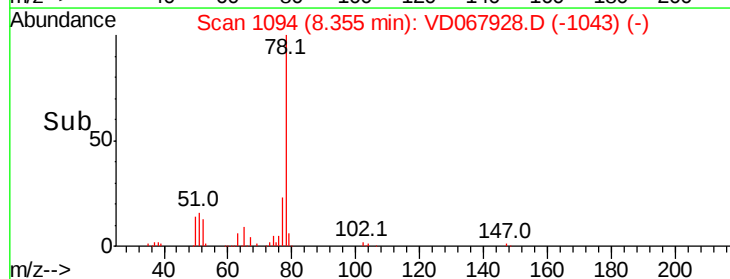
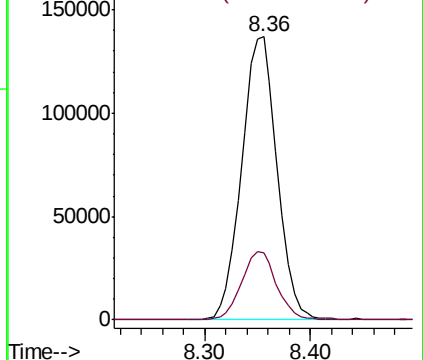
Ion Ratio Lower Upper

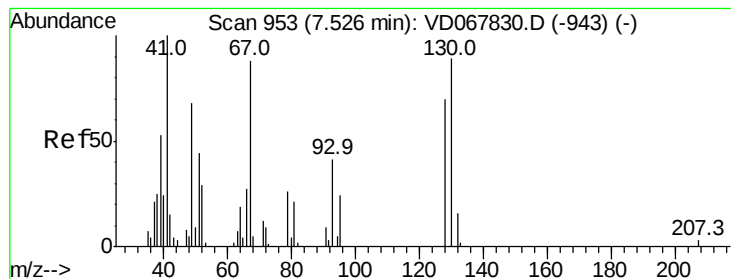
78 100

77 23.8 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 72.037 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 20980

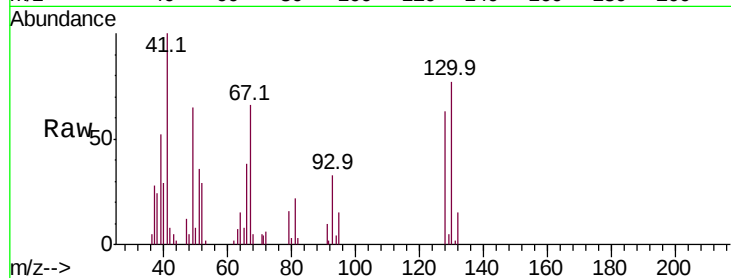
Ion Ratio Lower Upper

41 100

39 0.0 42.1 63.1#

67 73.9 82.4 123.6#

52 33.6 30.6 45.8

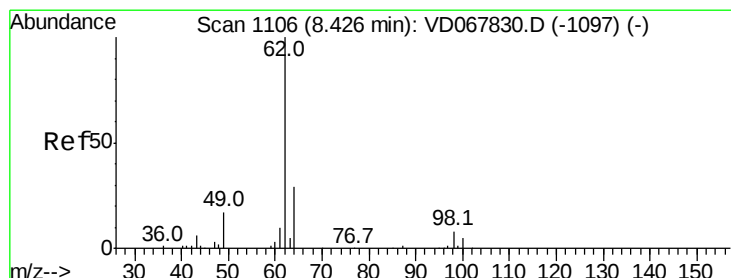
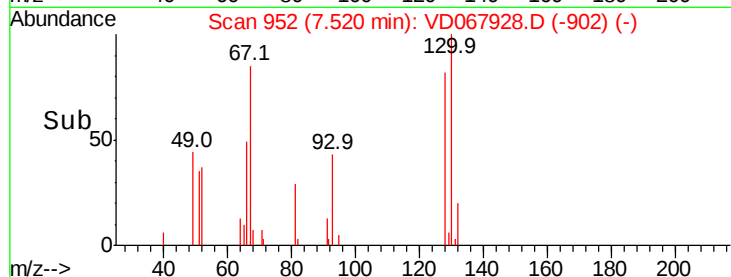
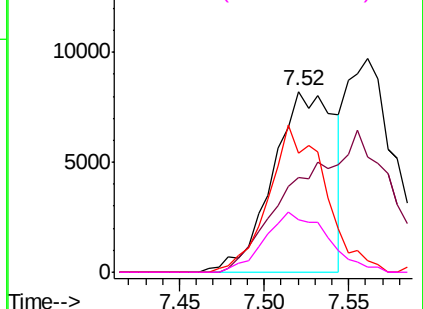


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.696 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067928.D

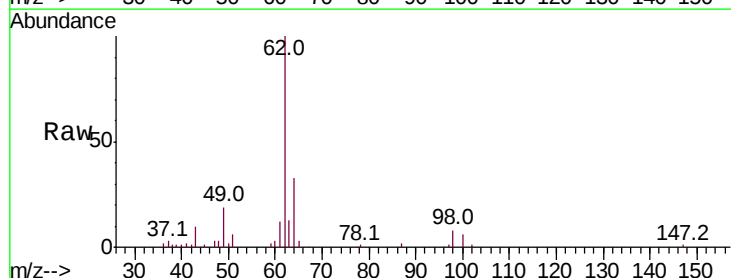
Acq: 09 Dec 2020 16:23

Tgt Ion: 62 Resp: 117951

Ion Ratio Lower Upper

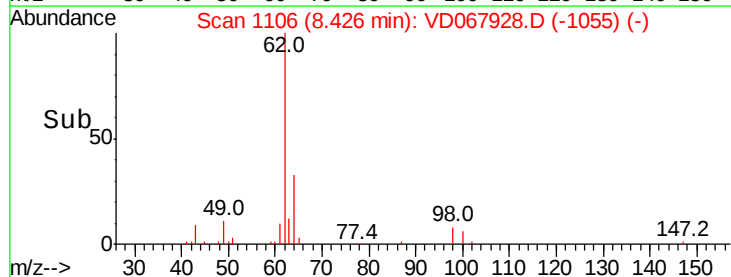
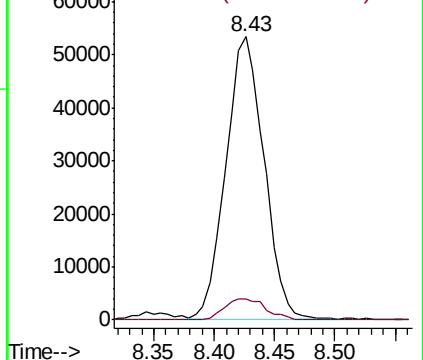
62 100

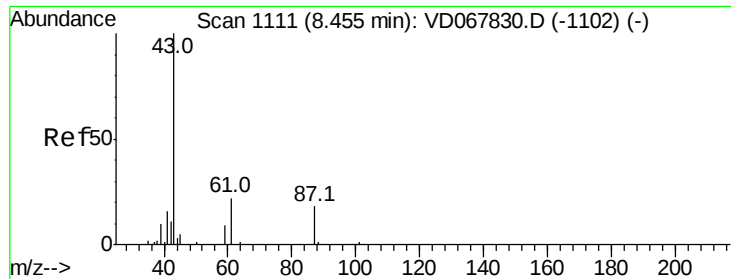
98 8.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 47.045 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

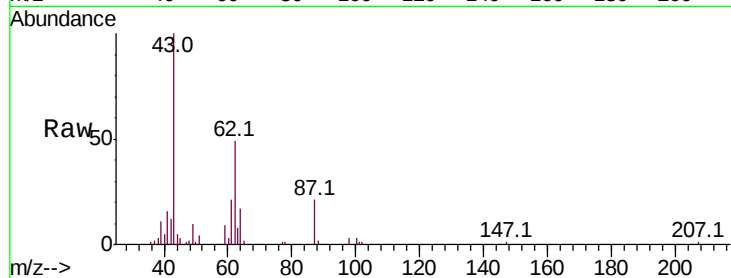
Tot Ion: 43 Resp: 58368

Ion Ratio Lower Upper

43 100

61 38.7 30.4 45.6

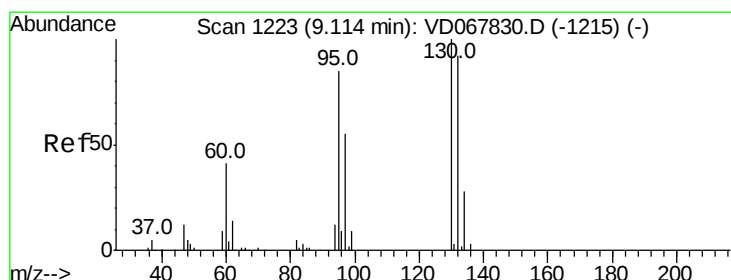
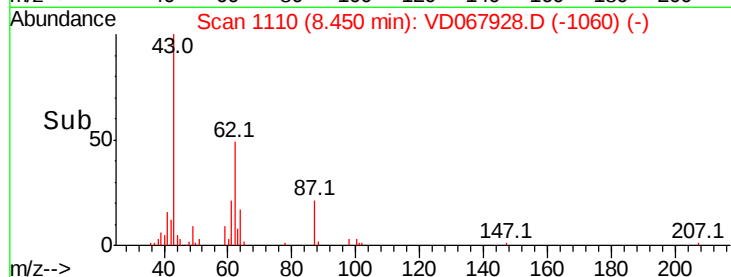
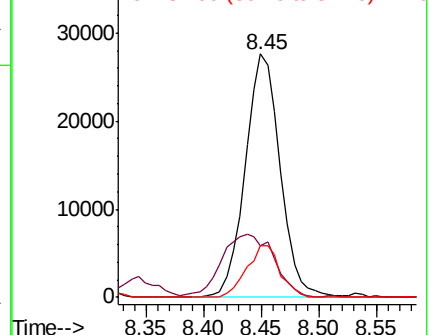
87 20.3 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.994 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067928.D

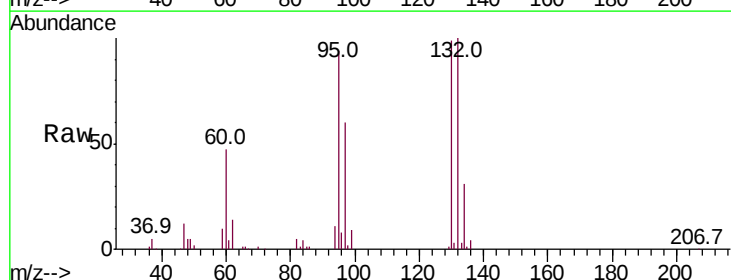
Acq: 09 Dec 2020 16:23

Tgt Ion:130 Resp: 110038

Ion Ratio Lower Upper

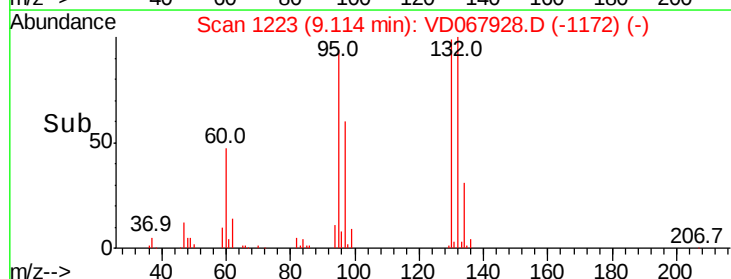
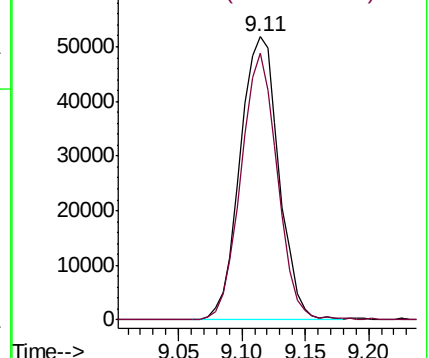
130 100

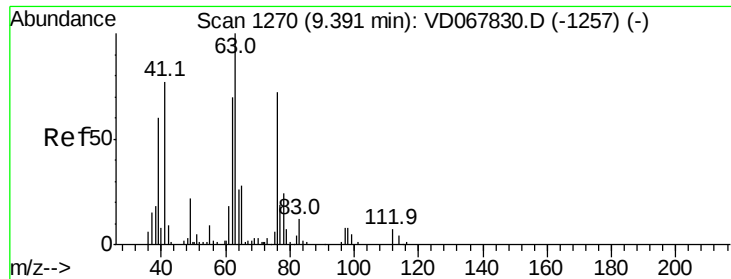
95 94.2 0.0 170.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 46.457 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

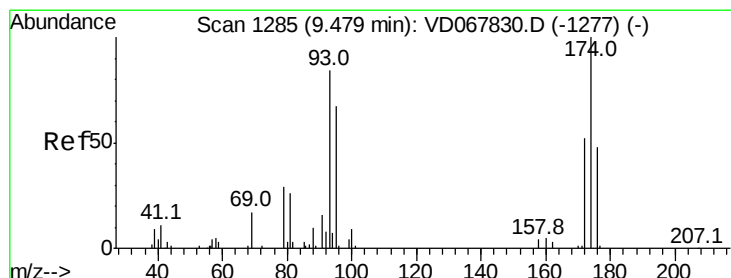
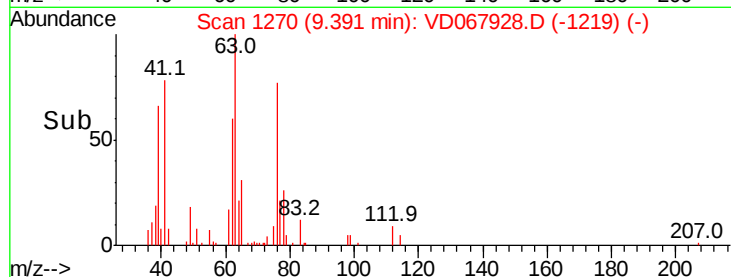
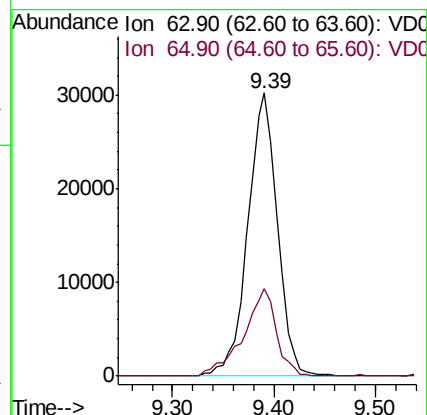
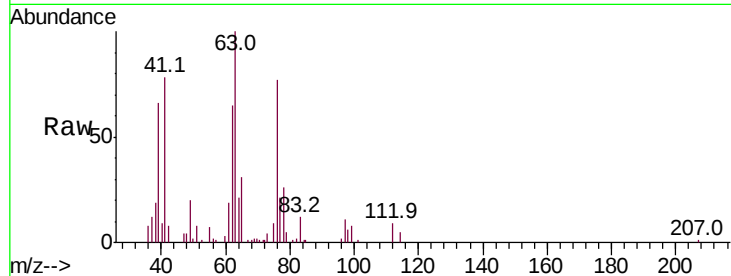
VSTDCCC050EC

Tot Ion: 63 Resp: 61041

Ion Ratio Lower Upper

63 100

65 30.9 22.8 34.2



#46

Dibromomethane

Concen: 47.364 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

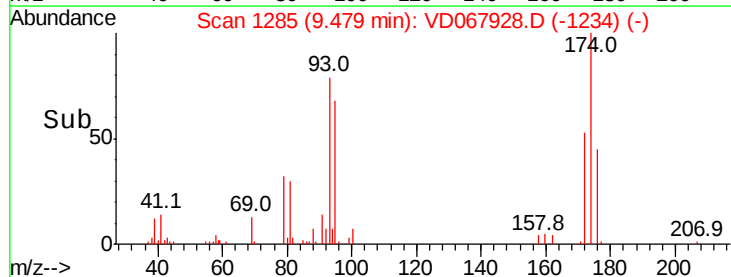
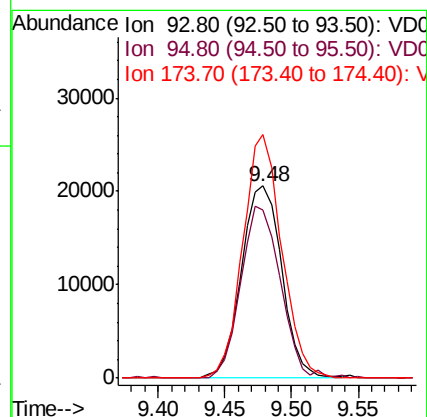
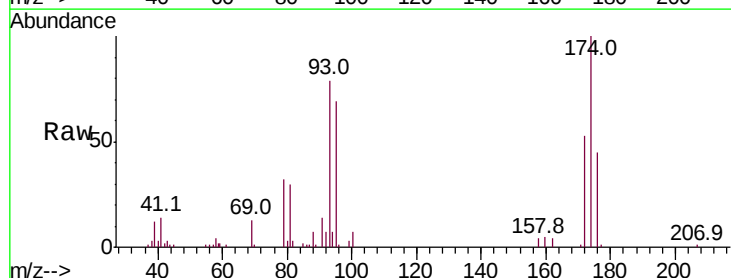
Tgt Ion: 93 Resp: 43269

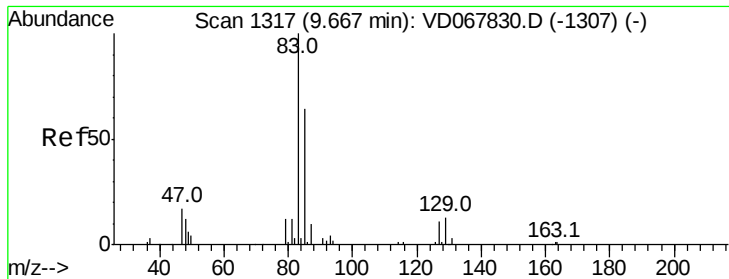
Ion Ratio Lower Upper

93 100

95 87.6 64.2 96.4

174 121.0 91.5 137.3





#47

Bromodichloromethane

Concen: 50.418 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

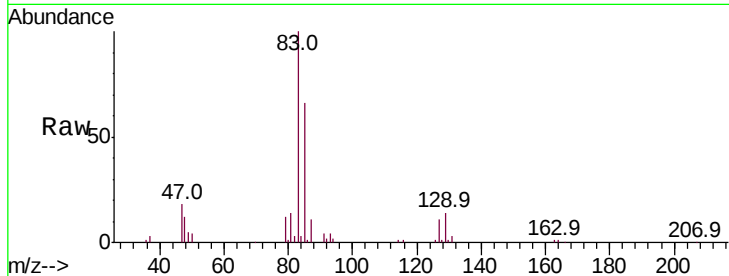
Tot Ion: 83 Resp: 131309

Ion Ratio Lower Upper

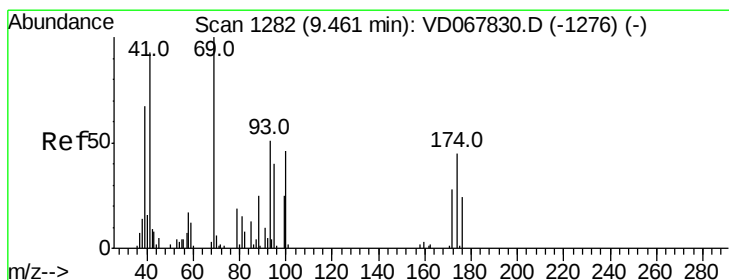
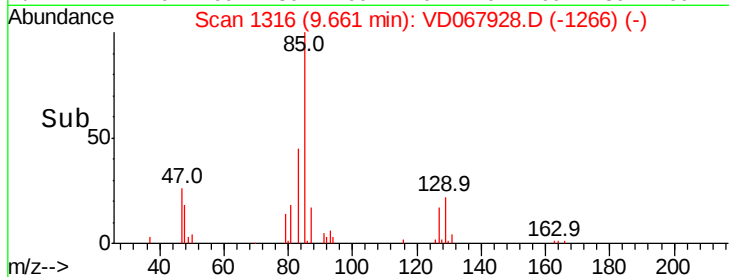
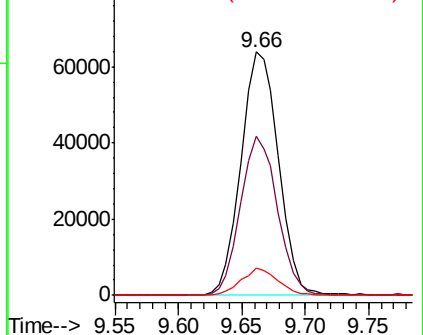
83 100

85 65.5 51.4 77.0

127 11.4 8.5 12.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 45.879 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

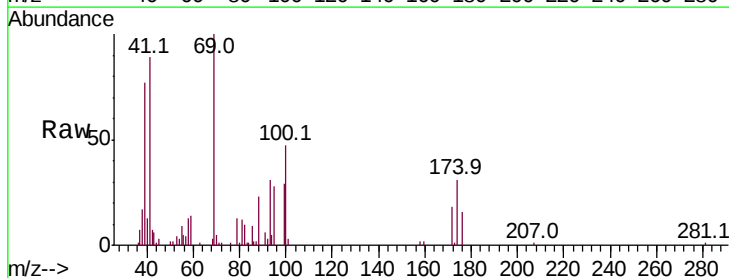
Tgt Ion: 41 Resp: 28904

Ion Ratio Lower Upper

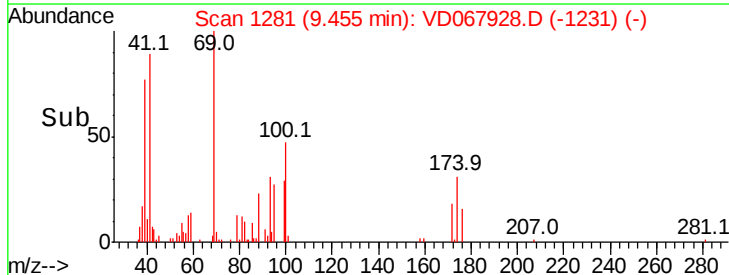
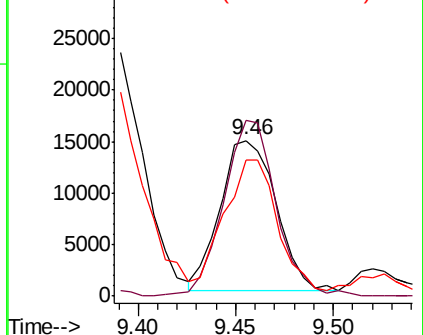
41 100

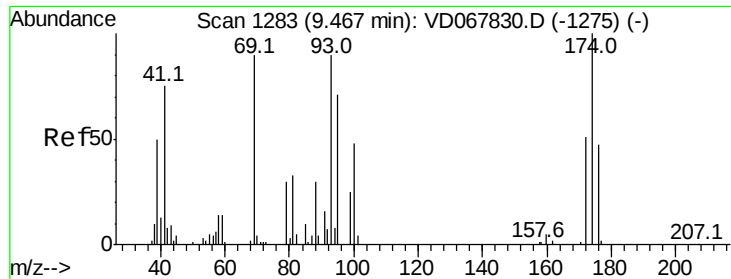
69 110.6 87.6 131.4

39 89.9 61.2 91.8



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 842.638 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

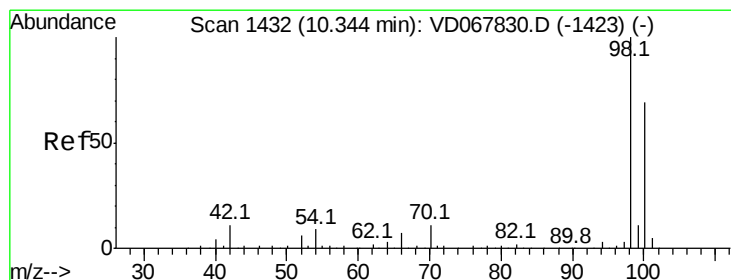
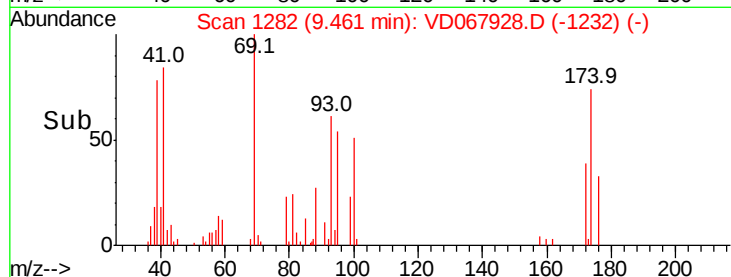
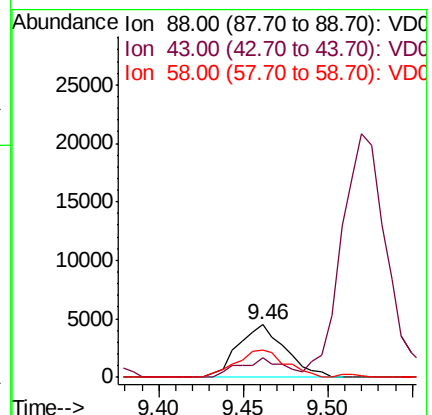
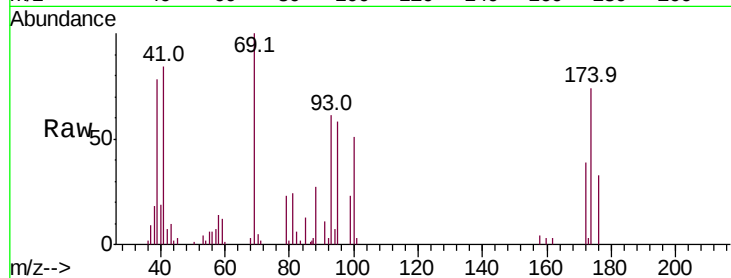
Tot Ion: 88 Resp: 8796

Ion Ratio Lower Upper

88 100

43 34.4 30.1 45.1

58 54.8 42.4 63.6



#50

Toluene-d8

Concen: 48.870 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067928.D

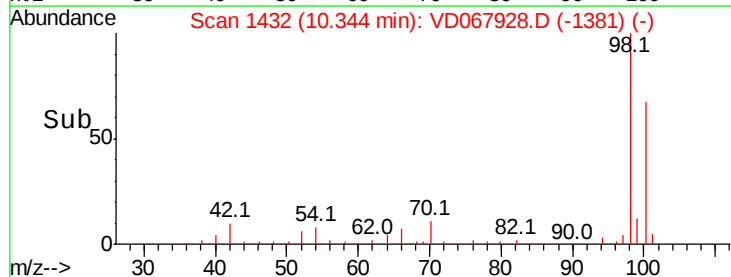
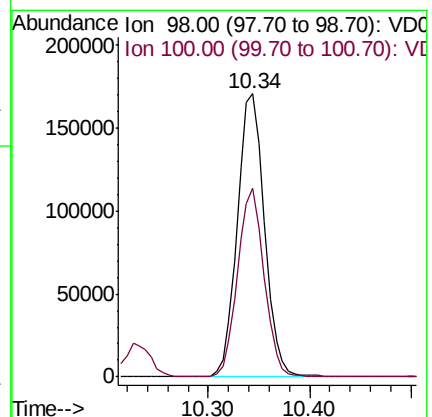
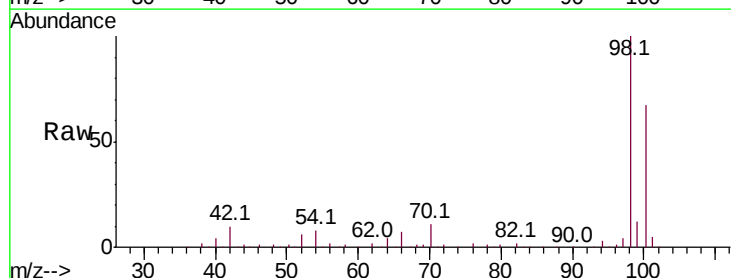
Acq: 09 Dec 2020 16:23

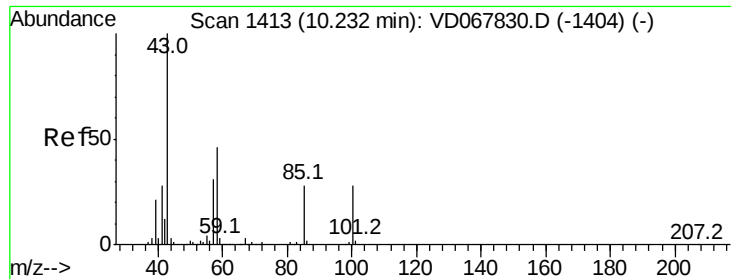
Tgt Ion: 98 Resp: 318141

Ion Ratio Lower Upper

98 100

100 64.7 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 225.385 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

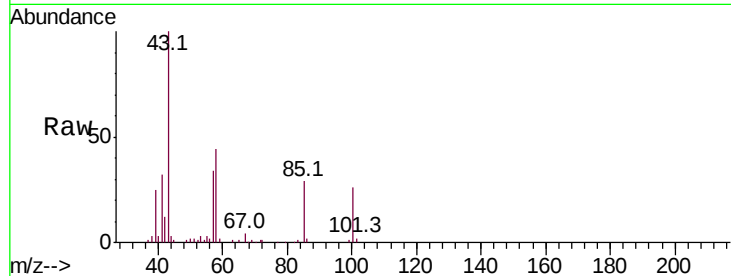
VSTDCCC050EC

Tot Ion: 43 Resp: 132347

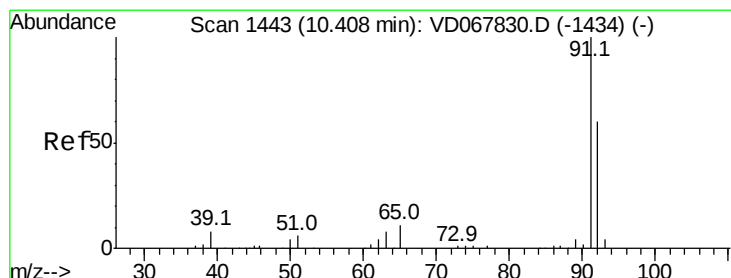
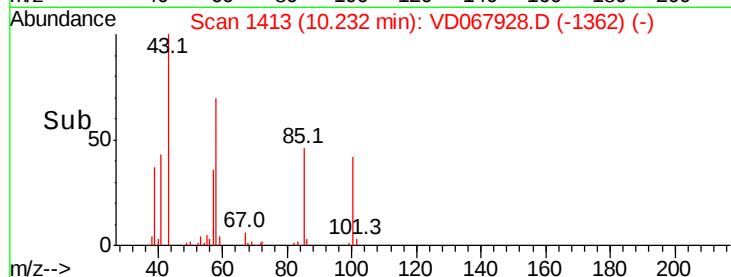
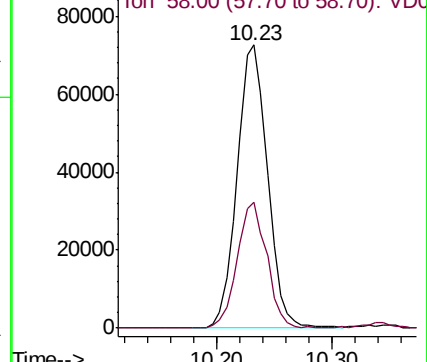
Ion Ratio Lower Upper

43 100

58 43.2 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC



#52

Toluene

Concen: 48.975 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD067928.D

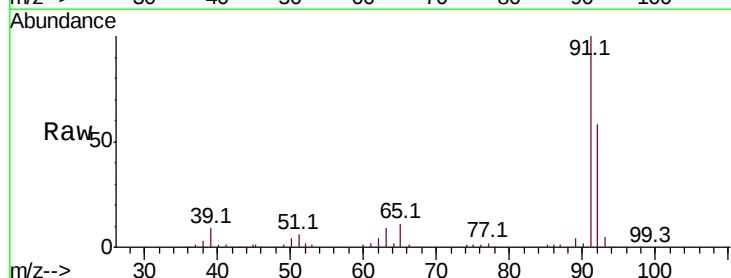
Acq: 09 Dec 2020 16:23

Tgt Ion: 92 Resp: 219202

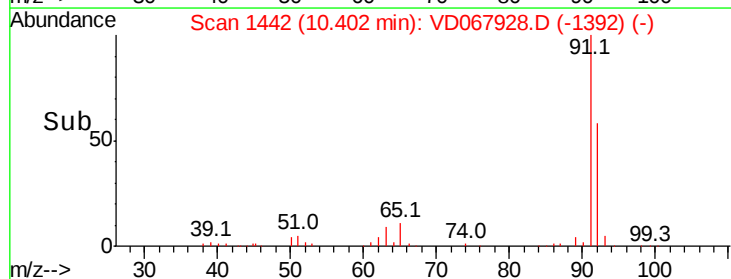
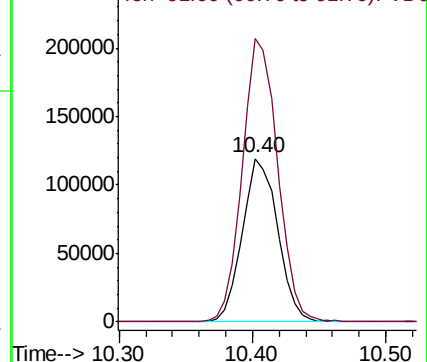
Ion Ratio Lower Upper

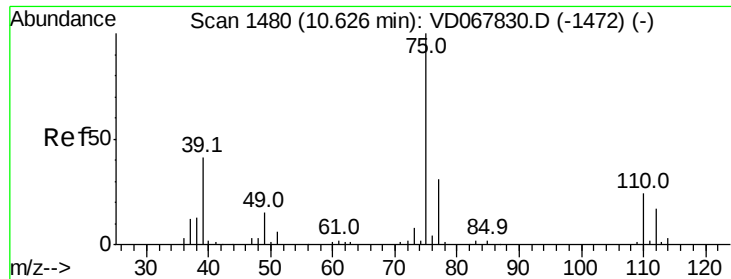
92 100

91 173.2 134.2 201.2



Abundance Ion 92.00 (91.70 to 92.70): VDC





#53

t-1,3-Dichloropropene

Concen: 51.327 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

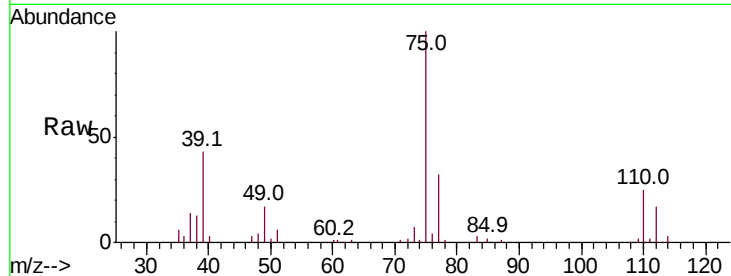
VSTDCCC050EC

Tot Ion: 75 Resp: 115376

Ion Ratio Lower Upper

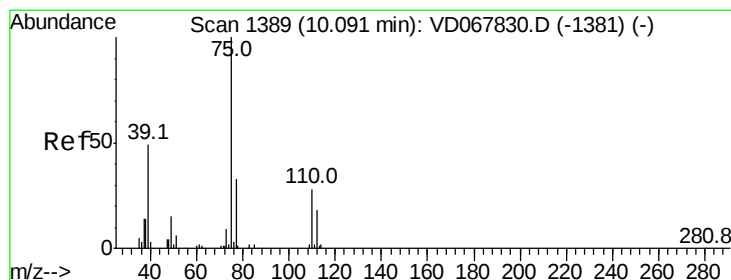
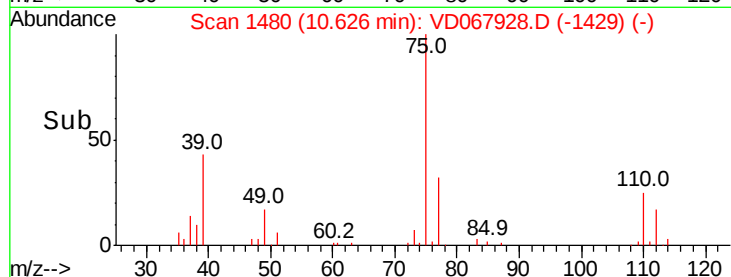
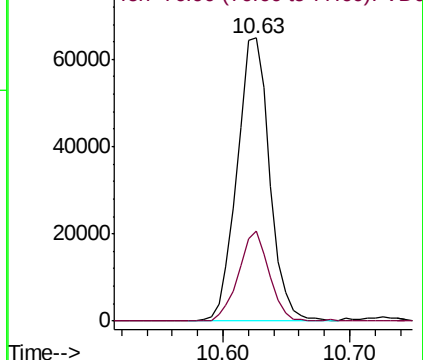
75 100

77 31.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 50.433 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

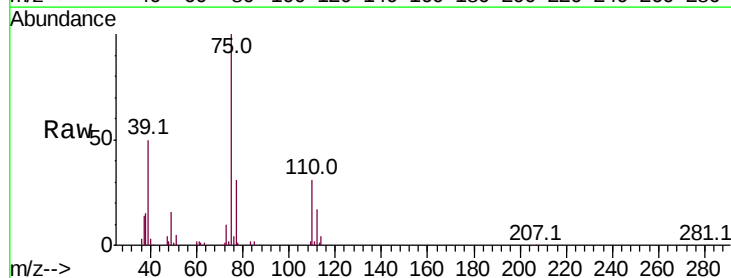
Tgt Ion: 75 Resp: 123315

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.2

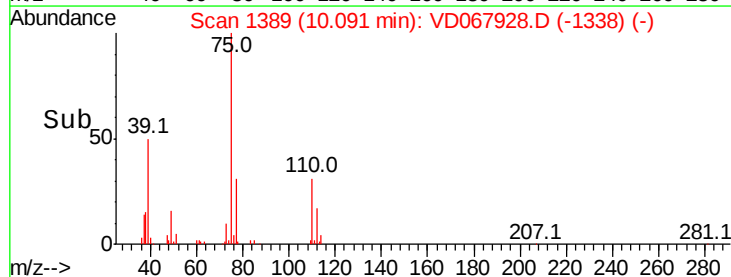
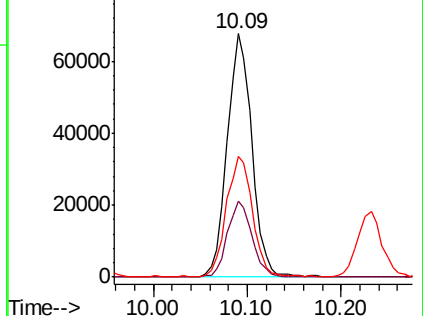
39 49.8 39.0 58.4

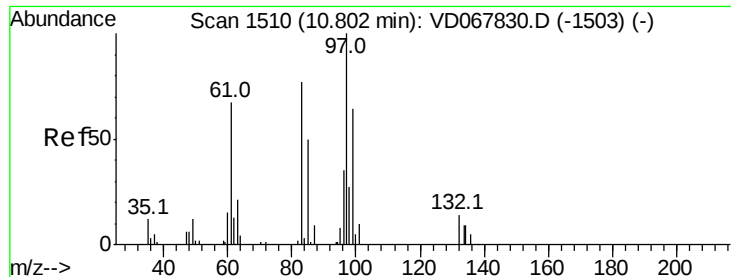


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 45.746 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 57192

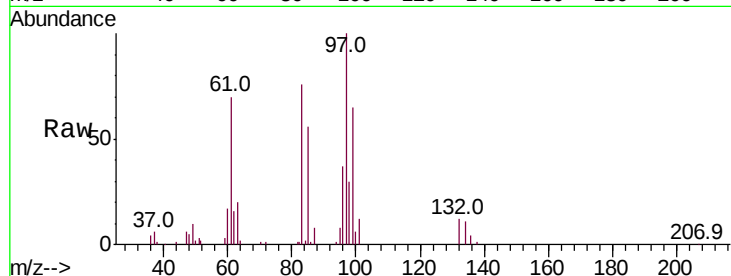
Ion Ratio Lower Upper

97 100

83 75.6 61.9 92.9

85 56.2 40.2 60.4

99 64.7 51.0 76.6

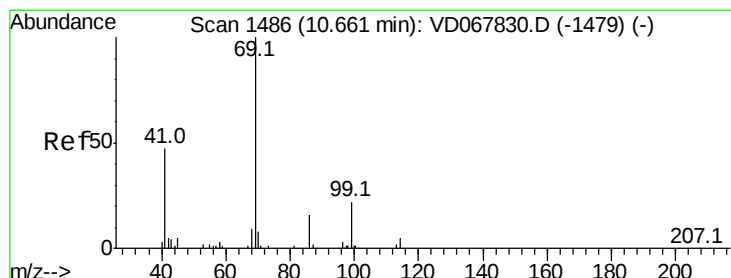
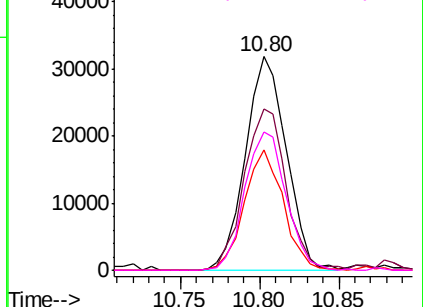
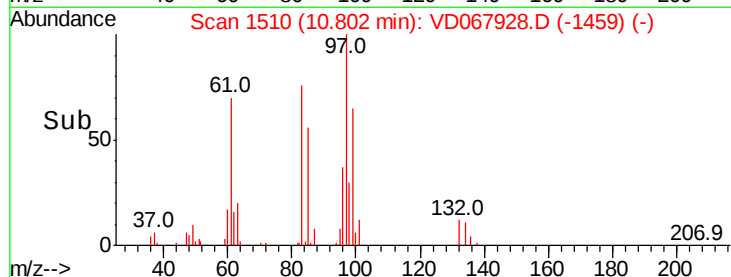


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 46.475 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

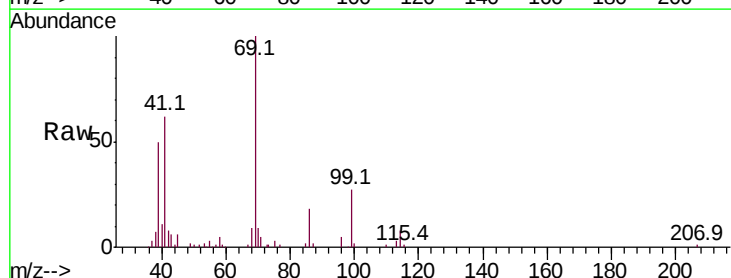
Tgt Ion: 69 Resp: 59117

Ion Ratio Lower Upper

69 100

41 58.2 42.8 64.2

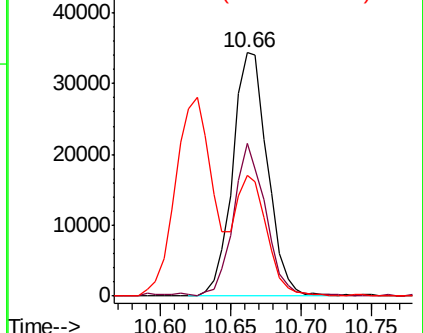
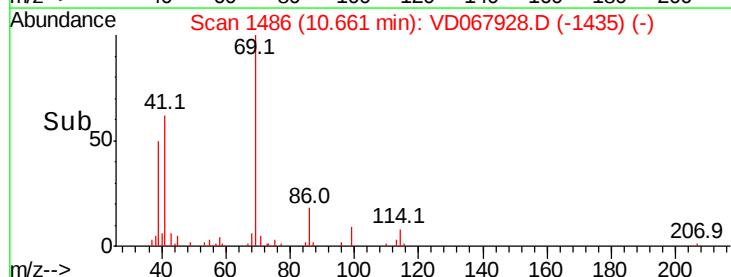
39 47.2 30.5 45.7#

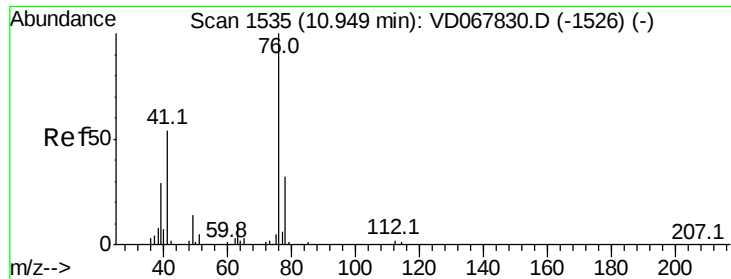


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 45.419 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

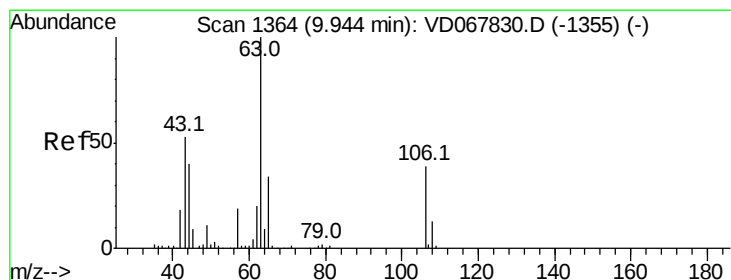
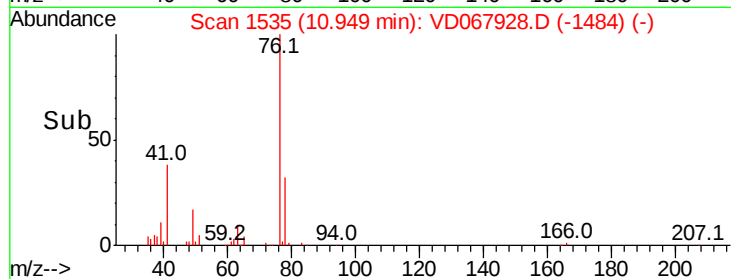
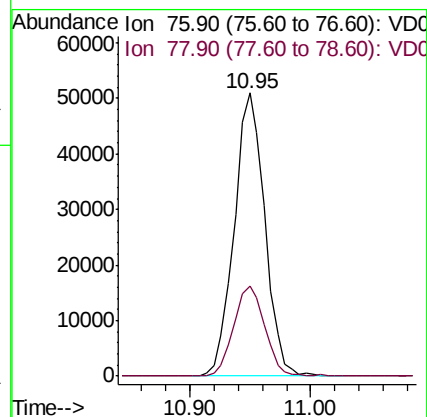
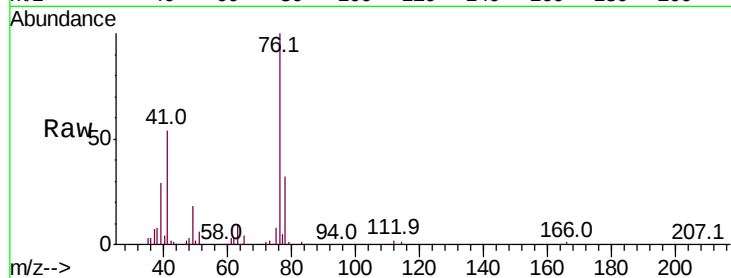
VSTDCCC050EC

Tot Ion: 76 Resp: 89947

Ion Ratio Lower Upper

76 100

78 32.3 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 230.763 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067928.D

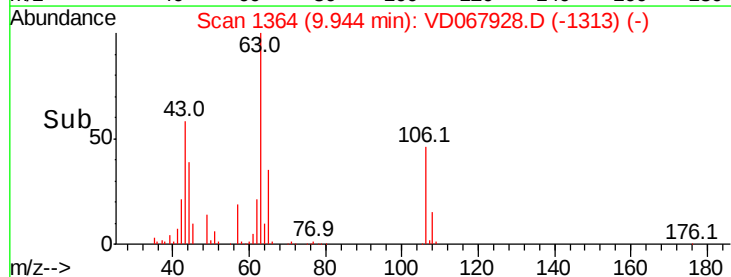
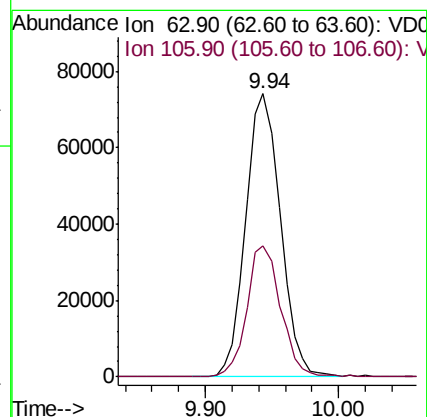
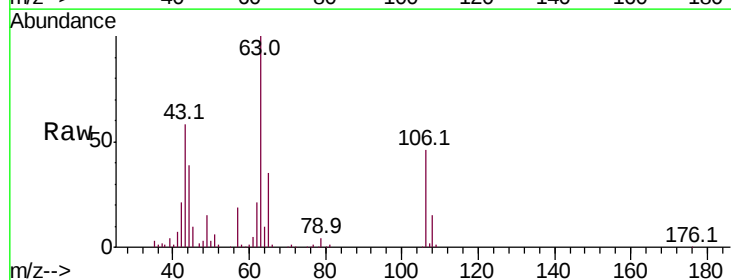
Acq: 09 Dec 2020 16:23

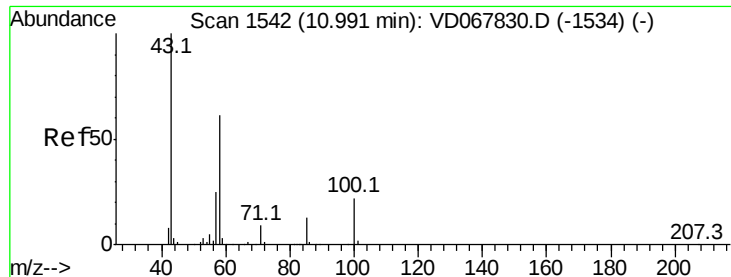
Tgt Ion: 63 Resp: 133568

Ion Ratio Lower Upper

63 100

106 45.0 32.0 48.0

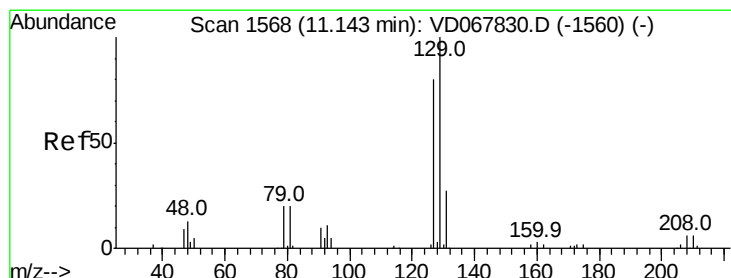
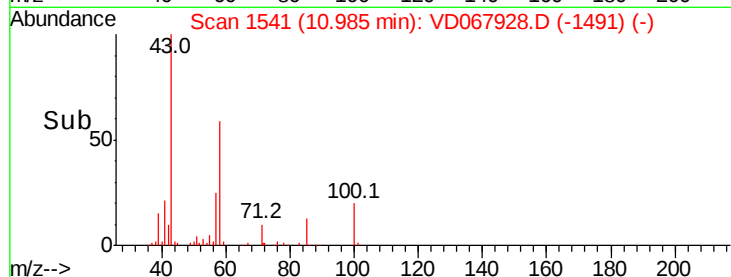
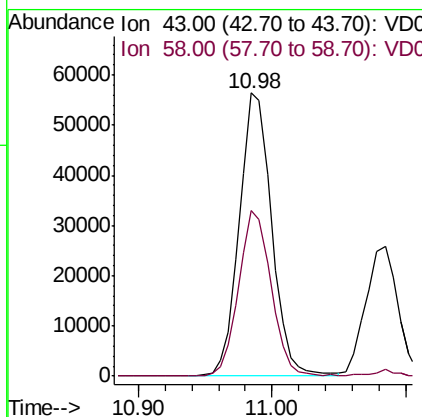
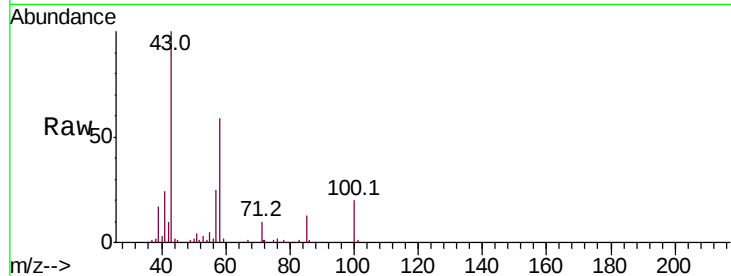




#59
2-Hexanone
Concen: 229.582 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

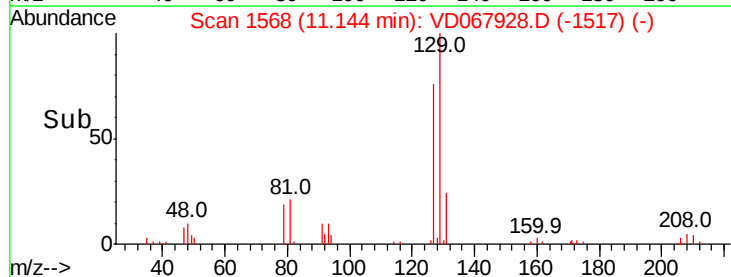
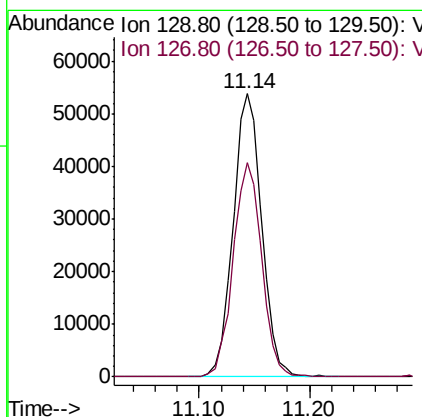
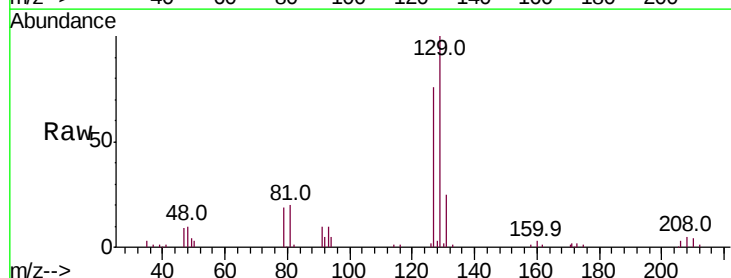
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

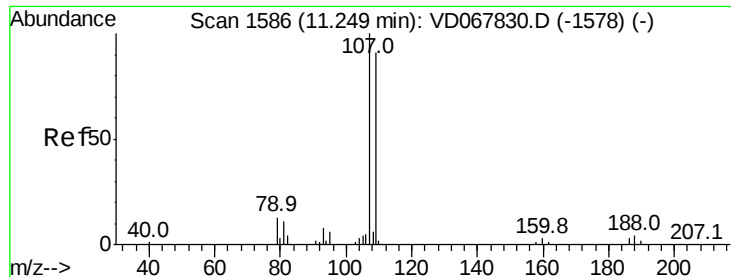
Tot Ion: 43 Resp: 95035
Ion Ratio Lower Upper
43 100
58 58.5 29.9 89.7



#60
Dibromochloromethane
Concen: 51.809 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion: 129 Resp: 97638
Ion Ratio Lower Upper
129 100
127 76.0 39.2 117.6

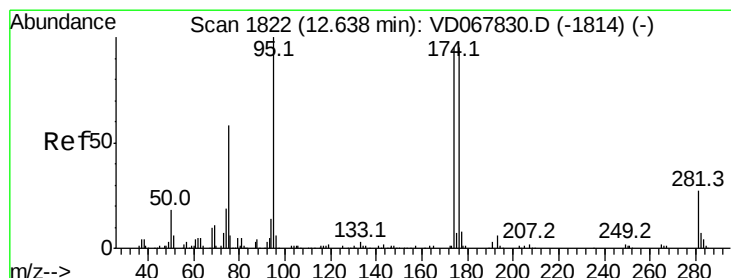
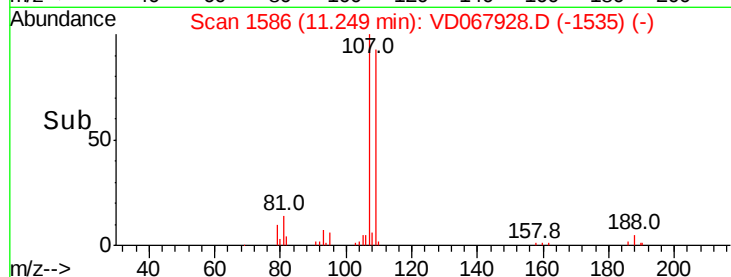
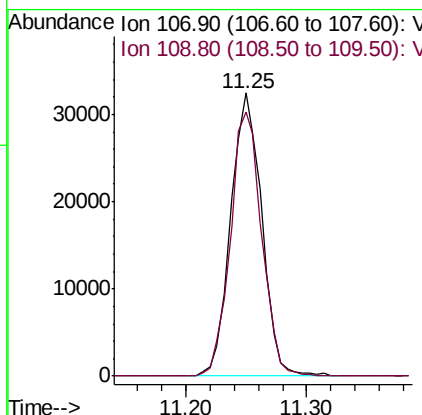
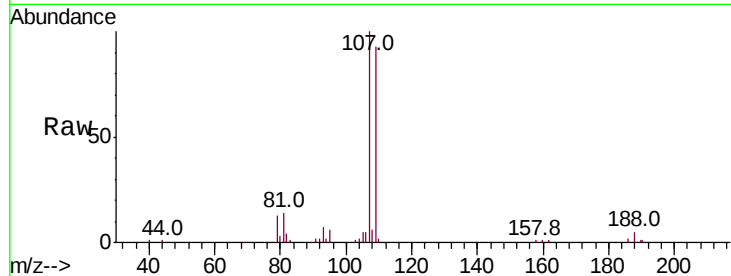




#61
 1,2-Dibromoethane
 Concen: 47.280 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

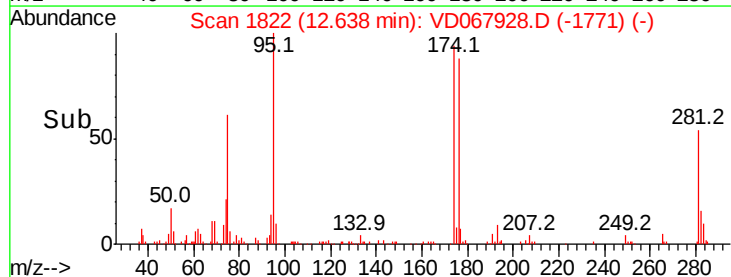
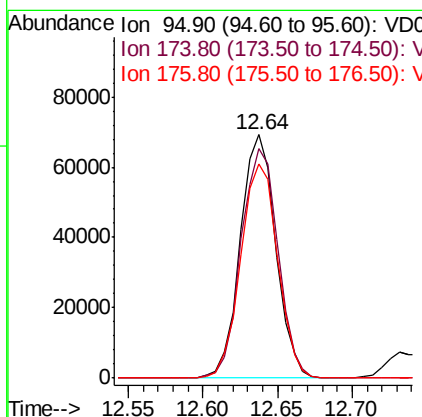
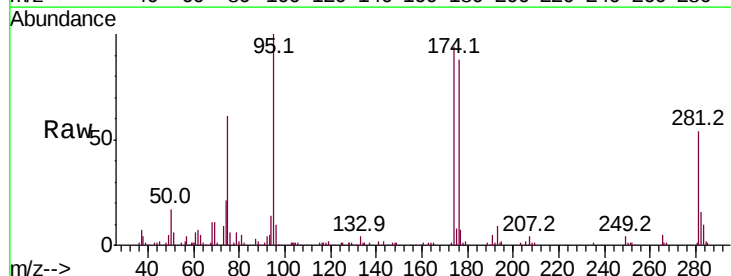
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

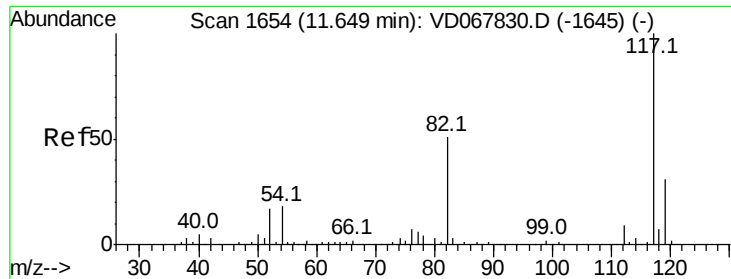
Tot Ion:107 Resp: 58127
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 50.528 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Tgt Ion: 95 Resp: 113722
 Ion Ratio Lower Upper
 95 100
 174 98.0 0.0 186.0
 176 91.8 0.0 184.2

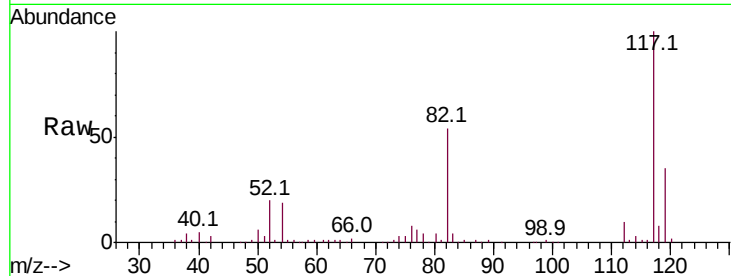




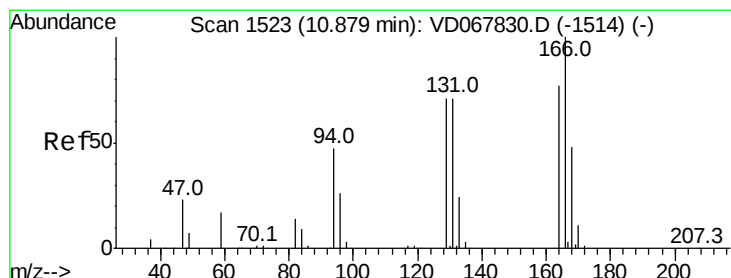
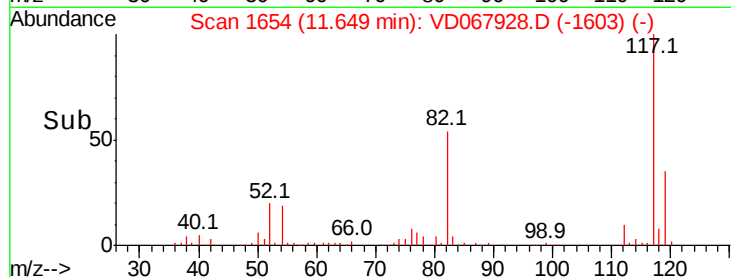
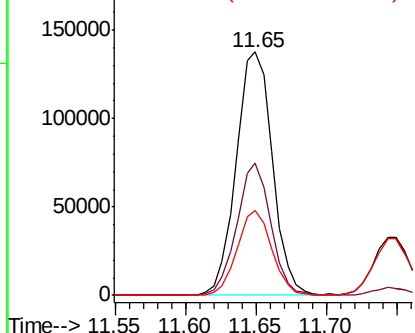
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 248023
Ion Ratio Lower Upper
117 100
82 54.3 40.6 60.8
119 34.6 25.1 37.7



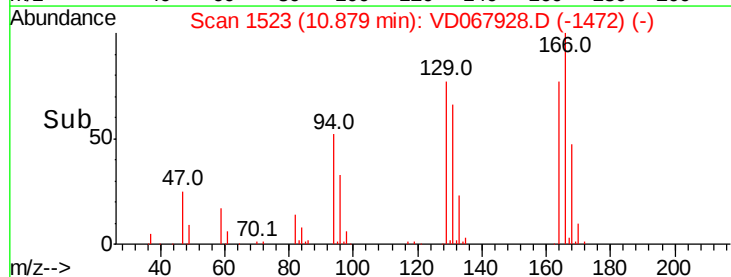
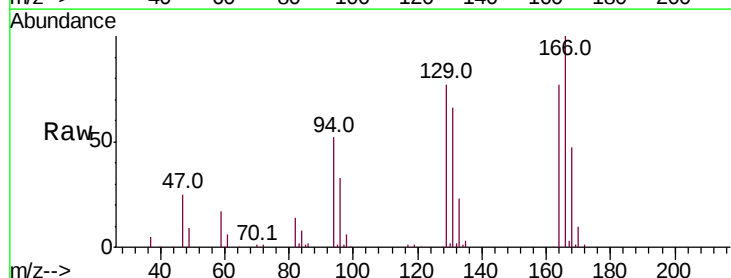
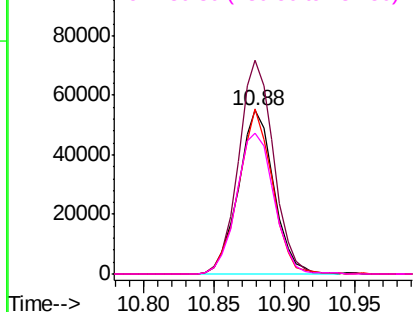
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

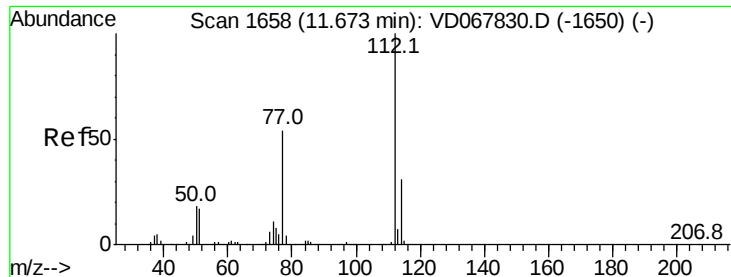


#64
Tetrachloroethene
Concen: 47.720 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion:164 Resp: 96541
Ion Ratio Lower Upper
164 100
166 130.4 103.8 155.6
129 100.5 73.3 109.9
131 85.8 74.1 111.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

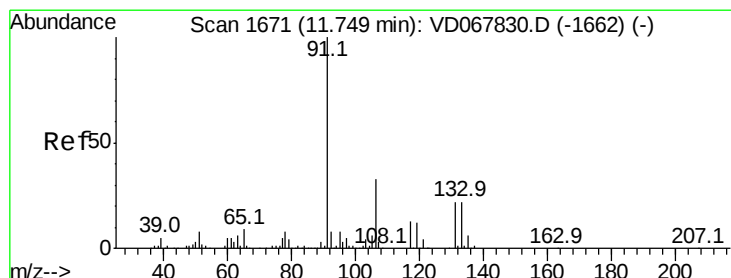
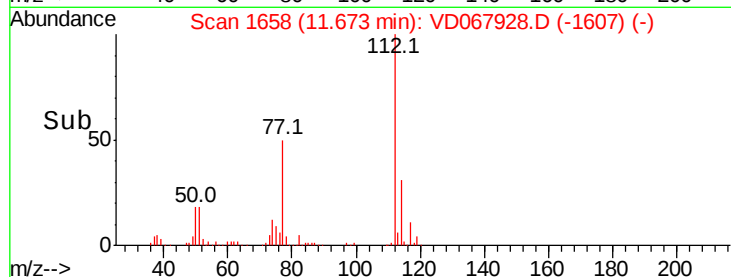
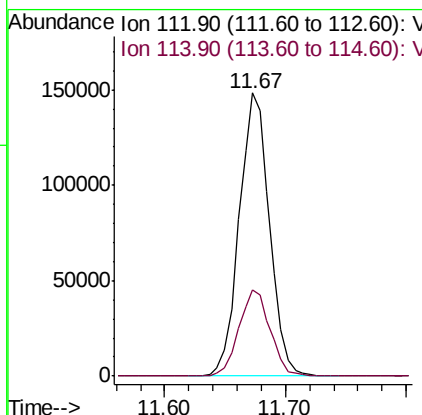
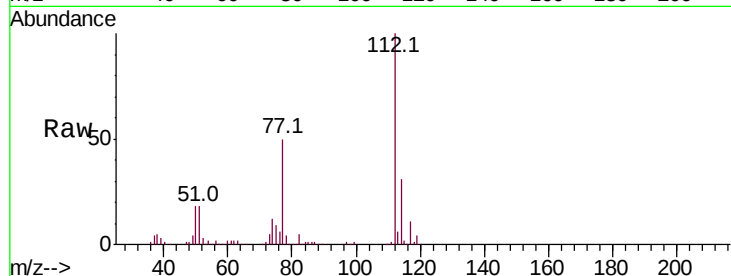




#65
Chlorobenzene
Concen: 50.475 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

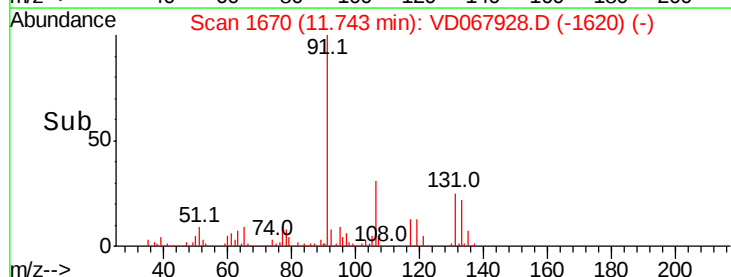
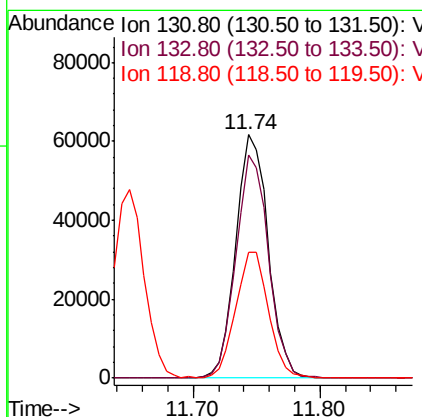
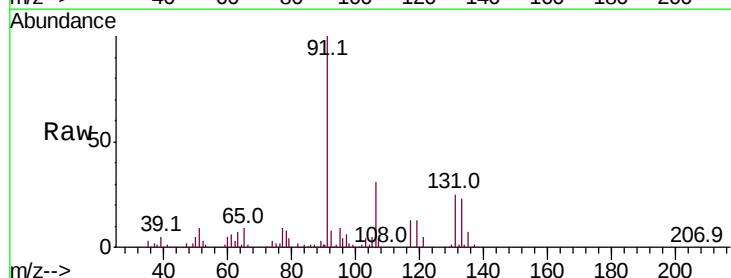
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

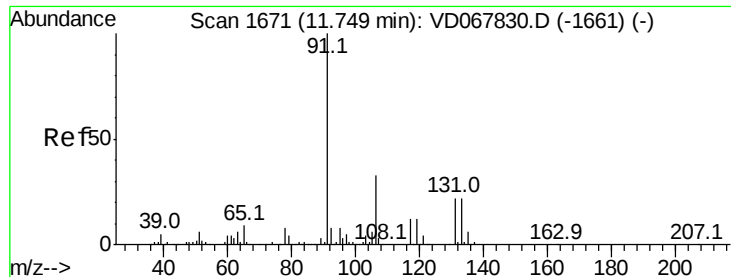
Tot Ion:112 Resp: 258313
Ion Ratio Lower Upper
112 100
114 30.6 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 52.507 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion:131 Resp: 109598
Ion Ratio Lower Upper
131 100
133 91.8 49.9 149.7
119 52.5 29.6 88.9





#67

Ethyl Benzene

Concen: 51.575 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

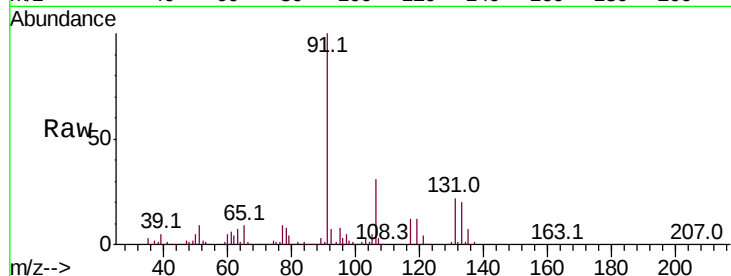
VSTDCCC050EC

Tot Ion: 91 Resp: 449631

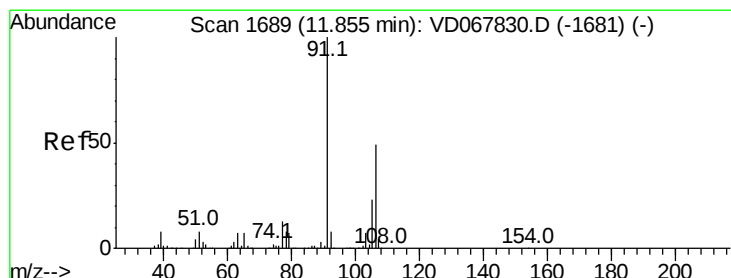
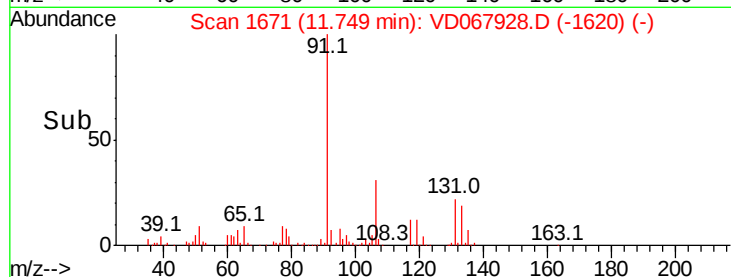
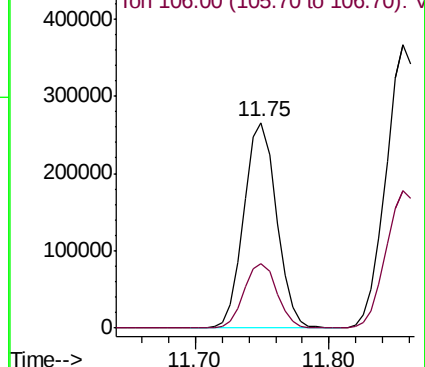
Ion Ratio Lower Upper

91 100

106 31.4 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 101.623 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067928.D

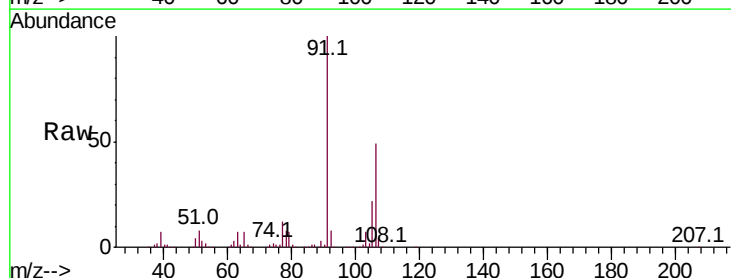
Acq: 09 Dec 2020 16:23

Tgt Ion: 106 Resp: 349335

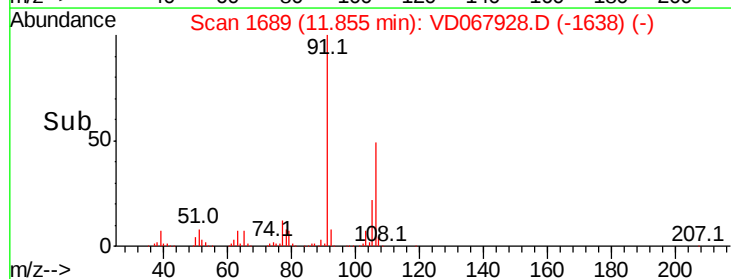
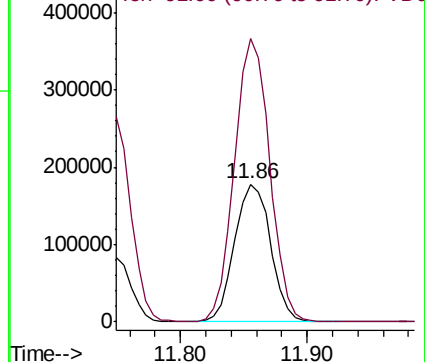
Ion Ratio Lower Upper

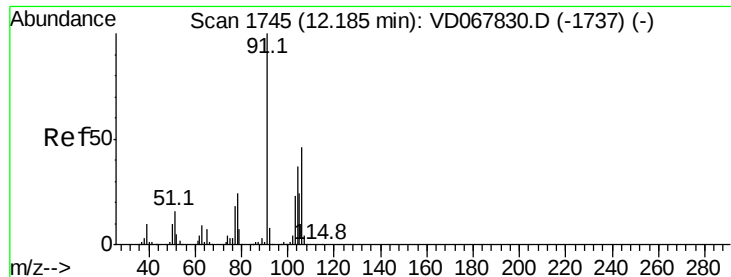
106 100

91 202.4 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

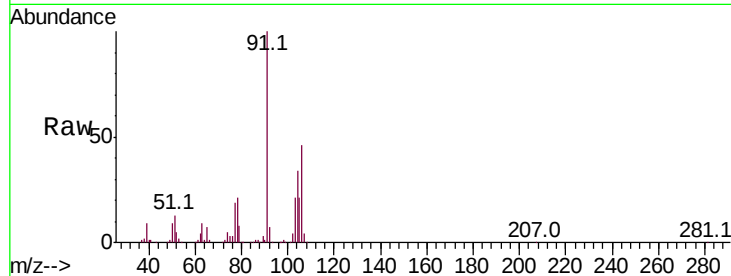




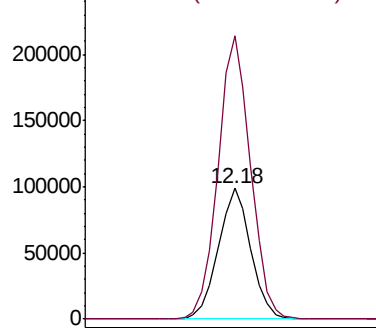
#69
o-Xylene
Concen: 52.351 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

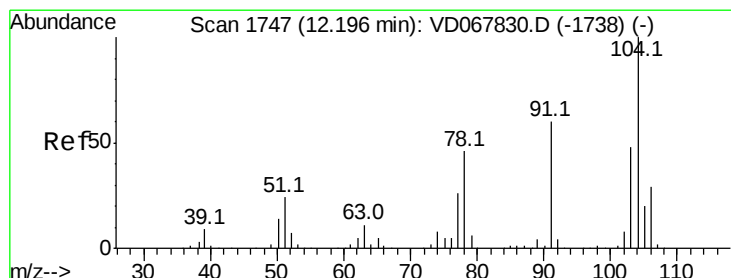
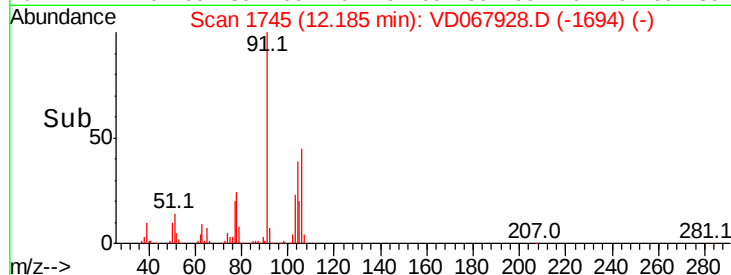
Tot Ion:106 Resp: 159764
Ion Ratio Lower Upper
106 100
91 216.0 107.5 322.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

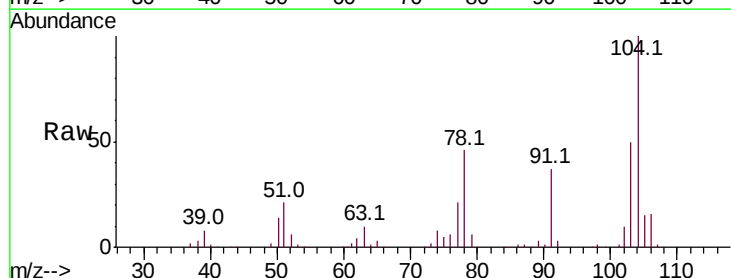


Time--> 12.10 12.15 12.20 12.25

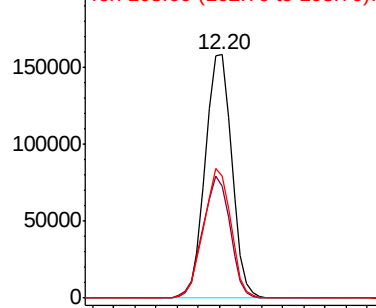


#70
Styrene
Concen: 52.022 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

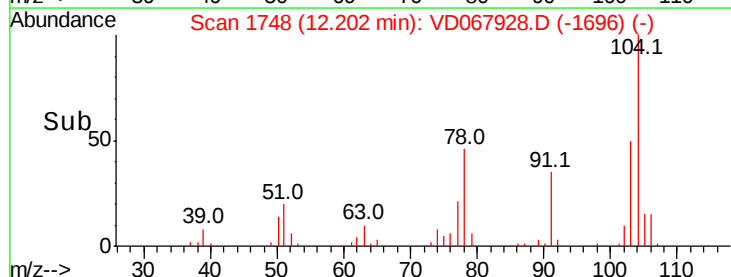
Tgt Ion:104 Resp: 276061
Ion Ratio Lower Upper
104 100
78 51.4 41.6 62.4
103 54.4 43.2 64.8

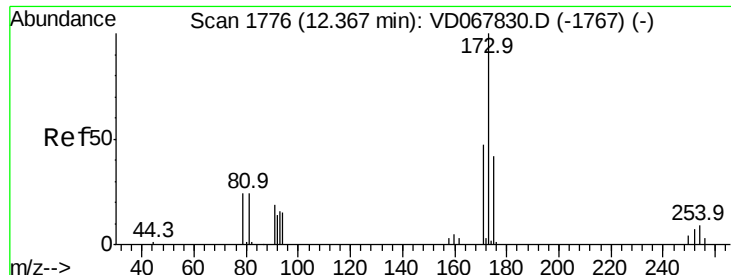


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time--> 12.10 12.20 12.30

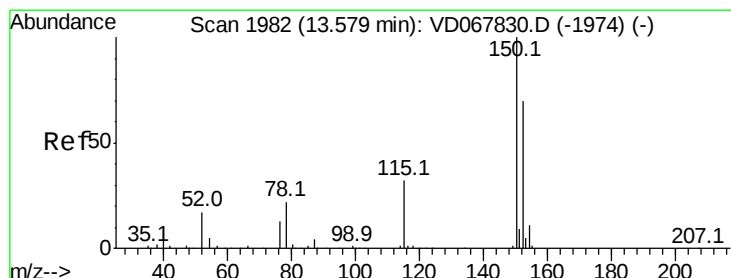
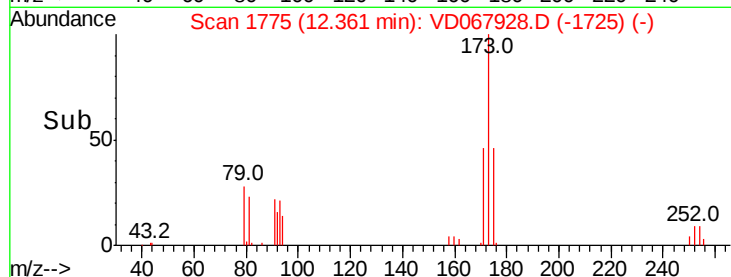
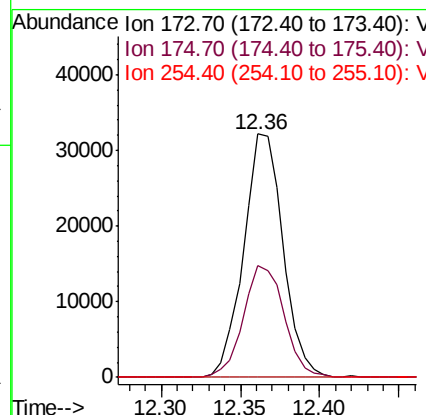
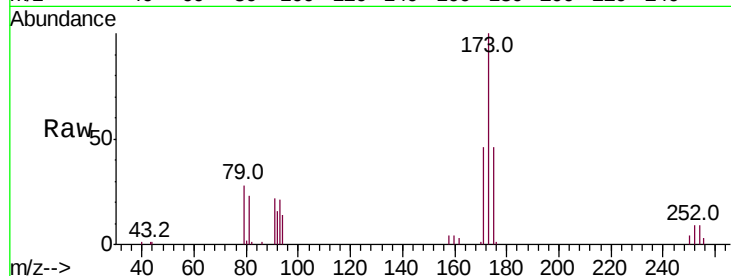




#71
Bromoform
Concen: 50.292 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

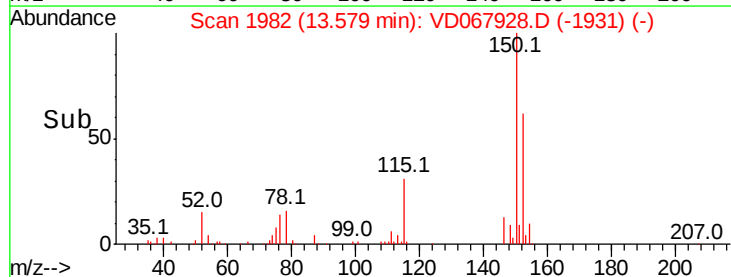
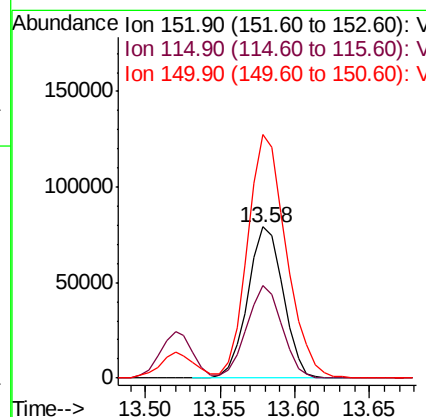
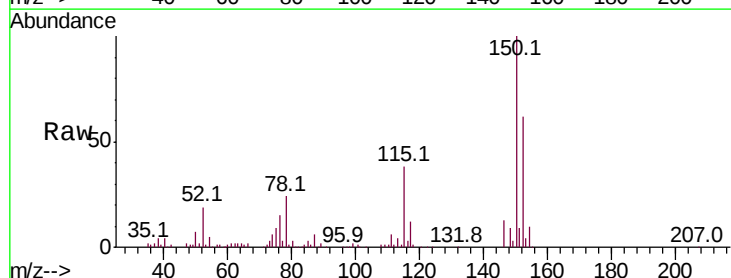
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

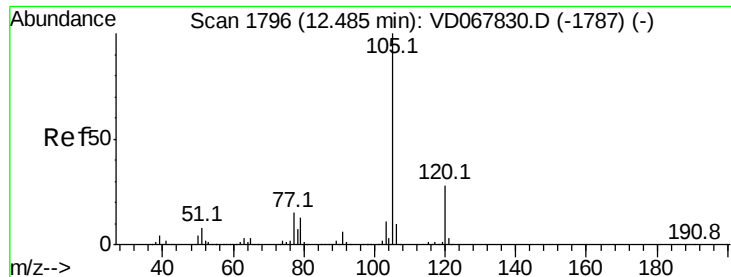
Tot Ion:173 Resp: 55568
Ion Ratio Lower Upper
173 100
175 47.6 23.4 70.3
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion:152 Resp: 129644
Ion Ratio Lower Upper
152 100
115 60.6 29.1 87.4
150 176.4 0.0 339.0





#73

Isopropylbenzene

Concen: 51.090 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

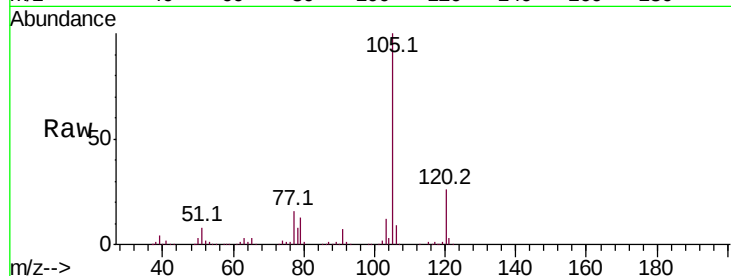
VSTDCCC050EC

Tot Ion:105 Resp: 455502

Ion Ratio Lower Upper

105 100

120 27.2 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

200000

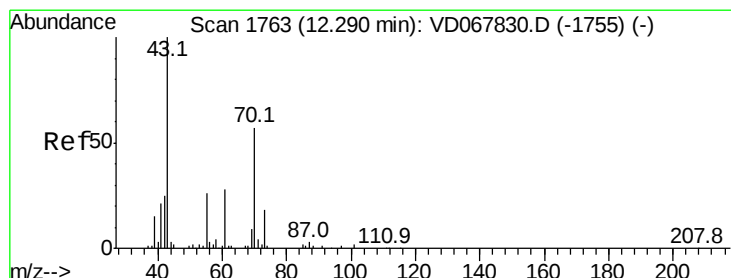
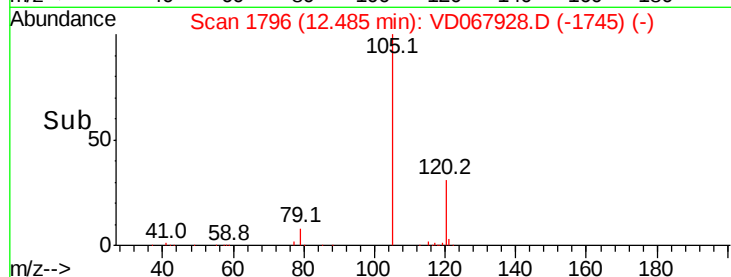
100000

0

12.48

12.40 12.50

Time-->



#74

N-ethyl acetate

Concen: 44.362 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Tgt Ion: 43 Resp: 48923

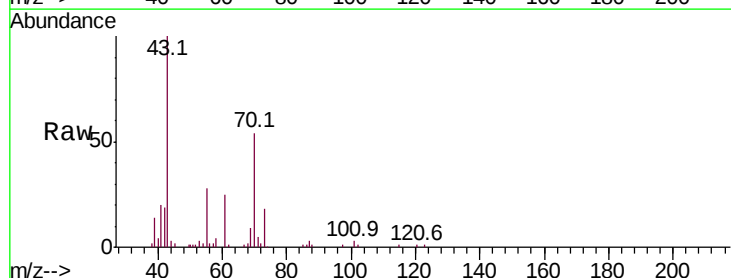
Ion Ratio Lower Upper

43 100

70 56.6 44.6 66.8

55 29.8 22.2 33.2

61 28.2 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

50000

40000

30000

20000

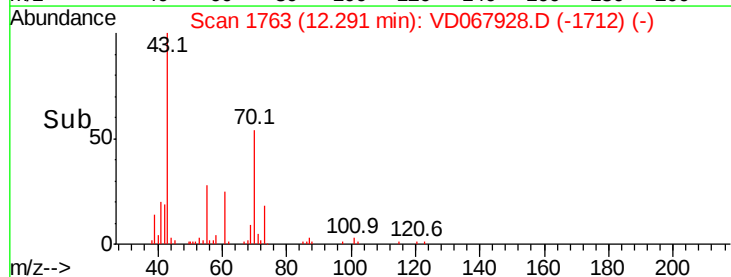
10000

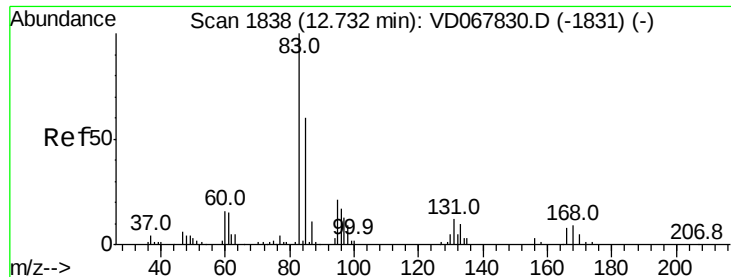
0

12.29

12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 43.718 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

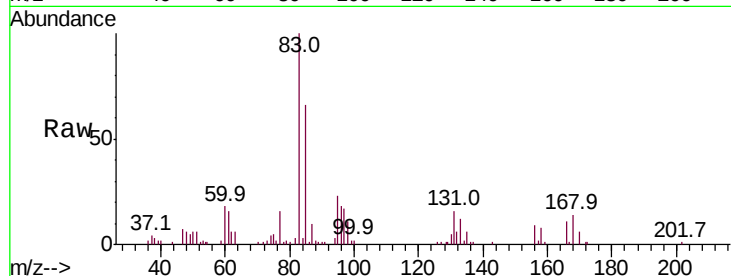
Tot Ion: 83 Resp: 51459

Ion Ratio Lower Upper

83 100

131 15.5 8.0 24.0

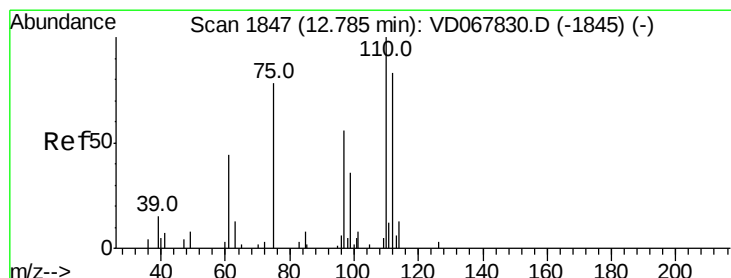
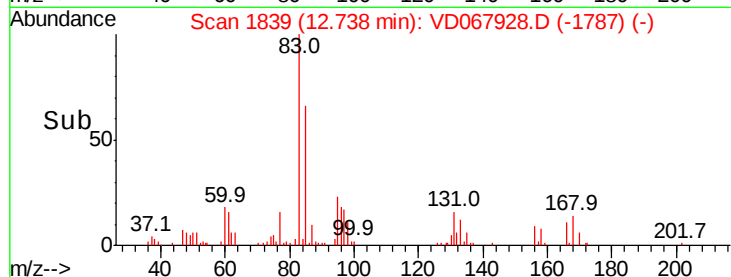
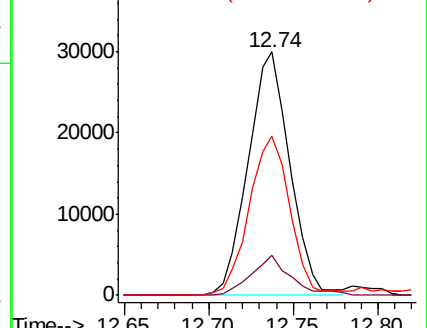
85 64.2 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 85.866 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067928.D

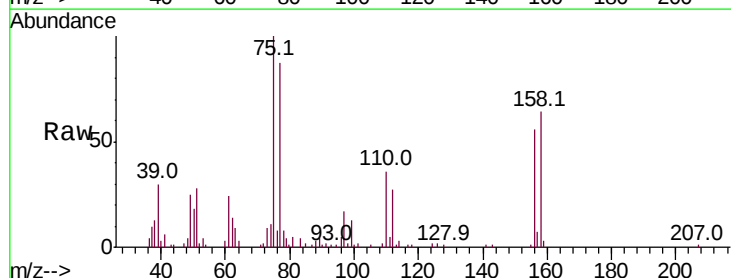
Acq: 09 Dec 2020 16:23

Tgt Ion: 75 Resp: 81067

Ion Ratio Lower Upper

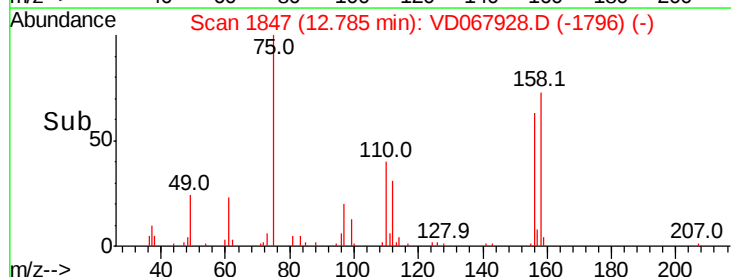
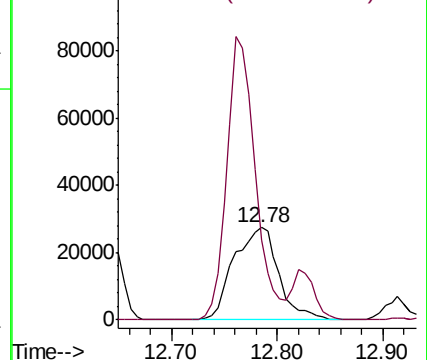
75 100

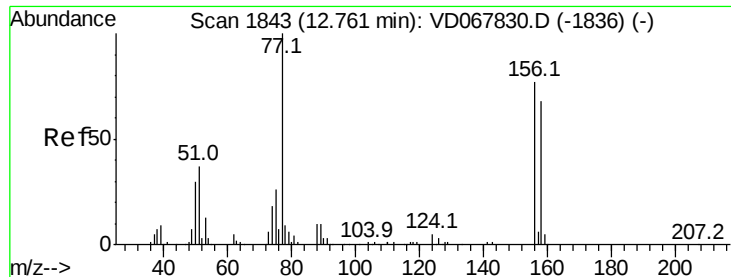
77 0.0 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.778 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

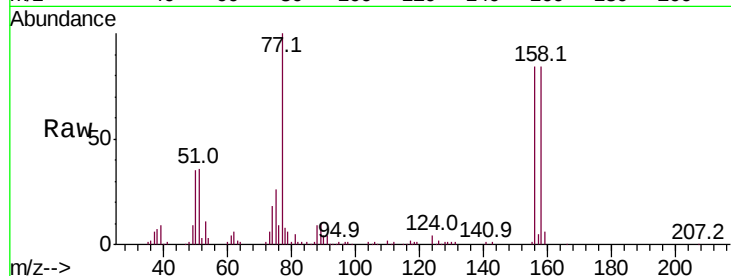
Tot Ion:156 Resp: 112548

Ion Ratio Lower Upper

156 100

77 140.5 71.5 214.5

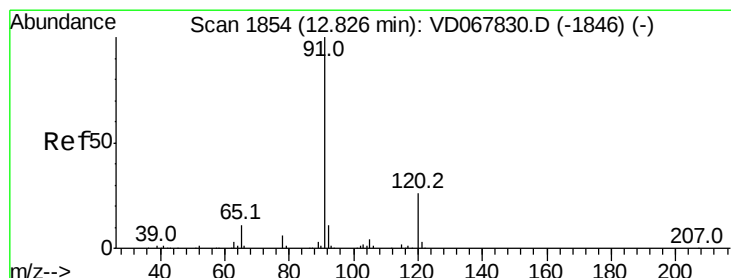
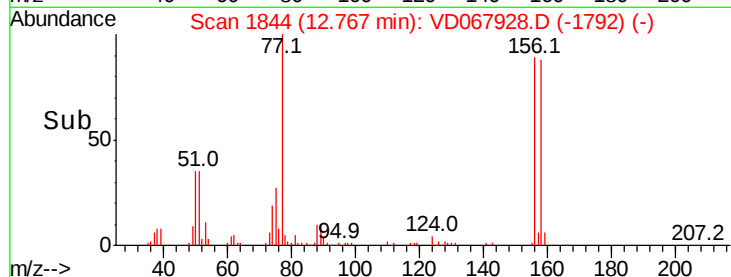
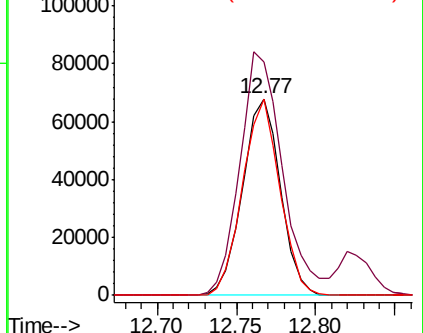
158 98.5 47.1 141.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.660 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067928.D

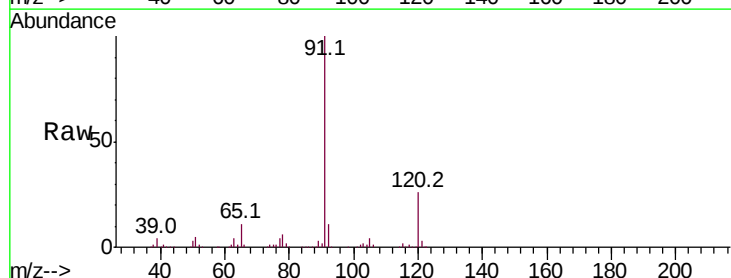
Acq: 09 Dec 2020 16:23

Tgt Ion: 91 Resp: 500604

Ion Ratio Lower Upper

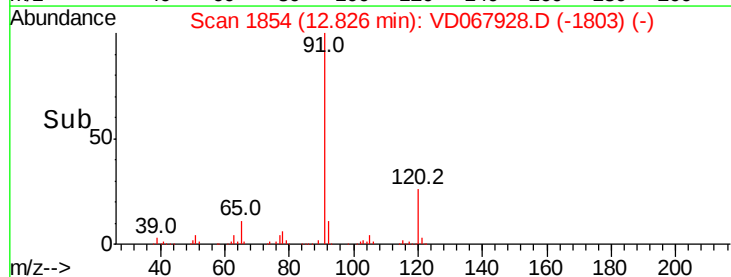
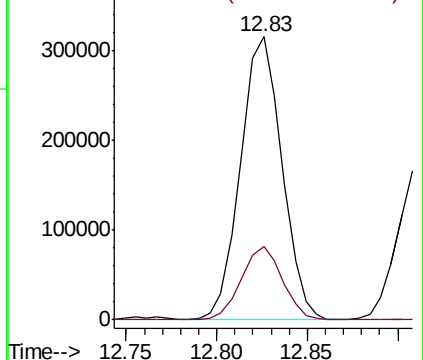
91 100

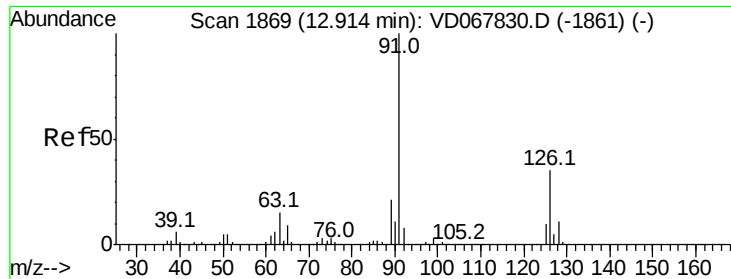
120 25.6 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

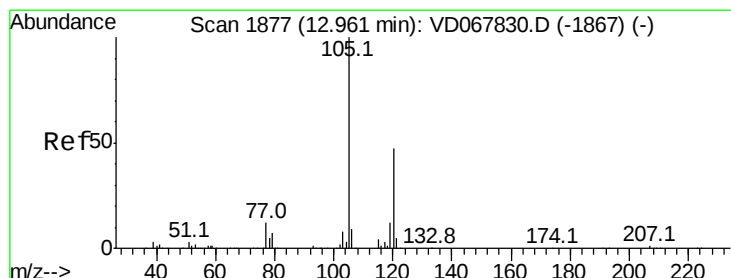
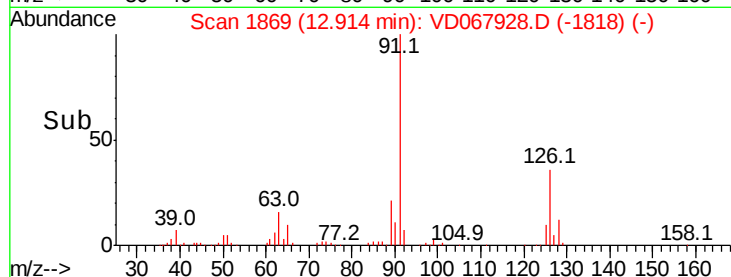
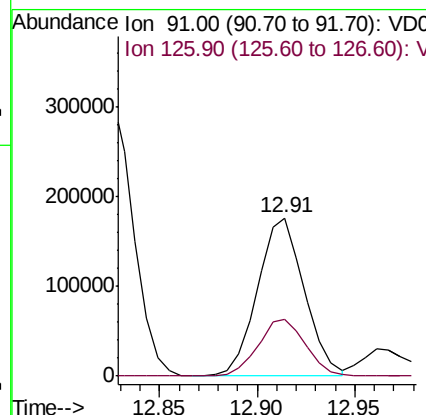
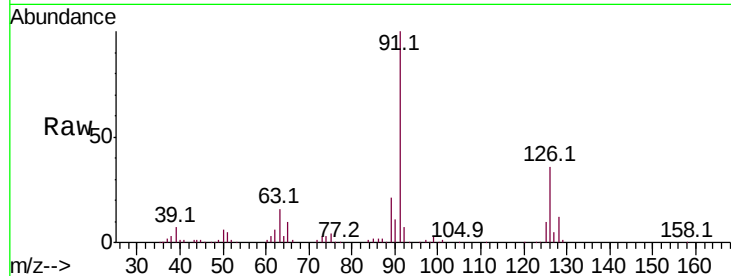




#79
 2-Chlorotoluene
 Concen: 50.169 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

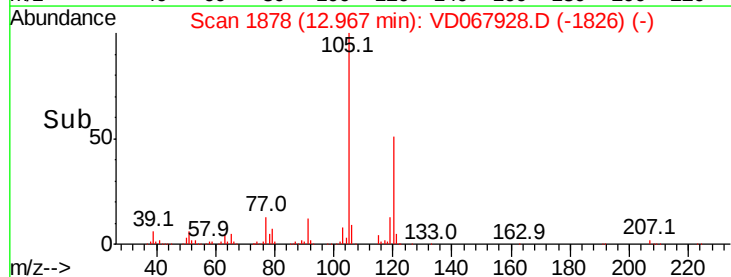
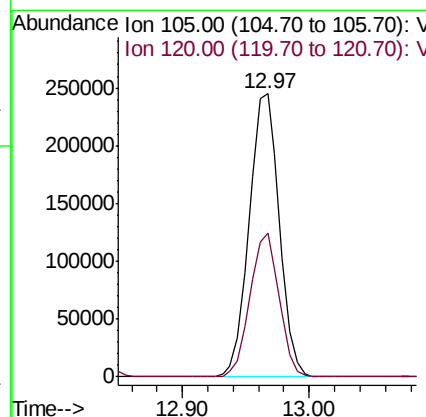
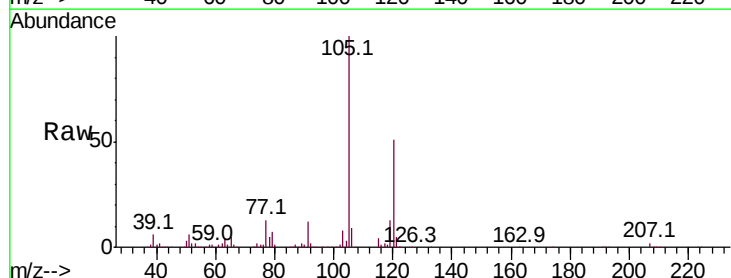
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

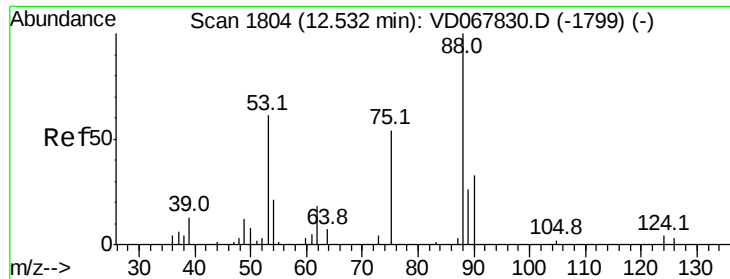
Tot Ion: 91 Resp: 291648
 Ion Ratio Lower Upper
 91 100
 126 36.4 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 52.441 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Tgt Ion: 105 Resp: 404801
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 45.994 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

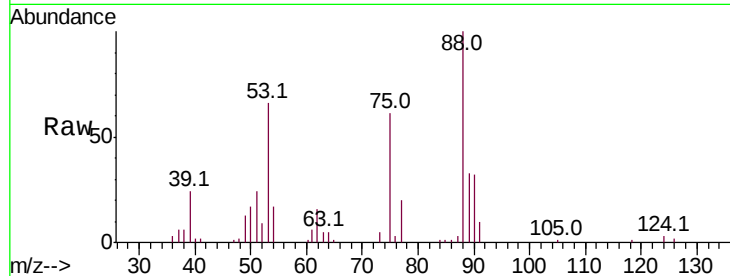
Tot Ion: 75 Resp: 18153

Ion Ratio Lower Upper

75 100

53 104.8 84.6 127.0

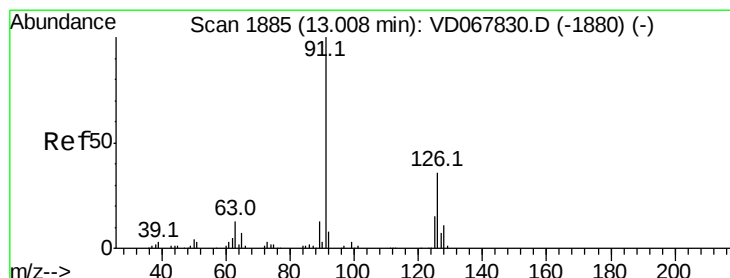
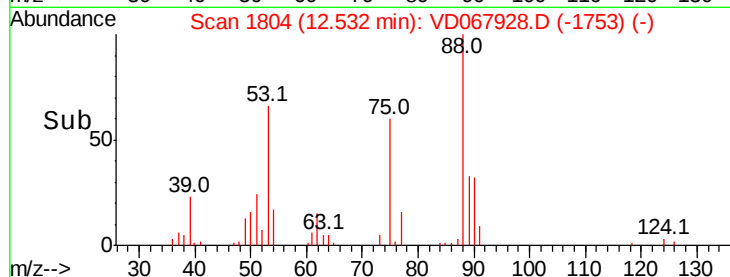
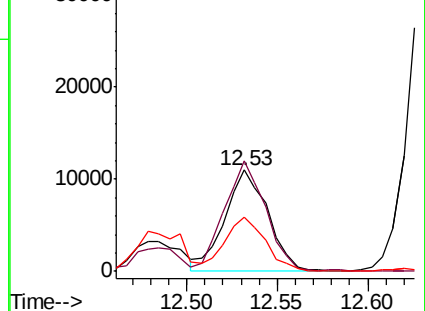
89 50.1 41.0 61.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 50.066 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067928.D

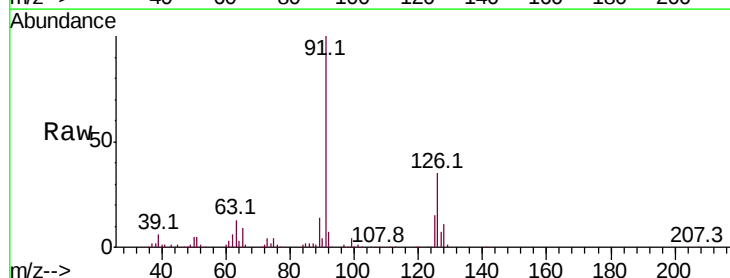
Acq: 09 Dec 2020 16:23

Tgt Ion: 91 Resp: 310467

Ion Ratio Lower Upper

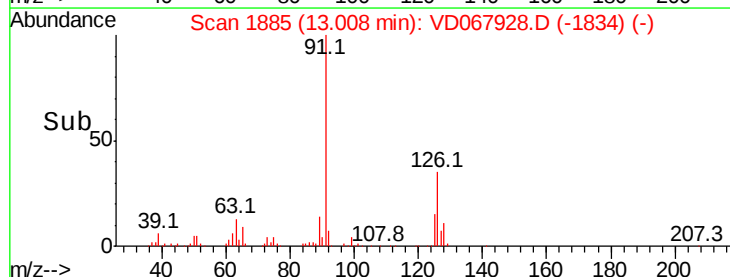
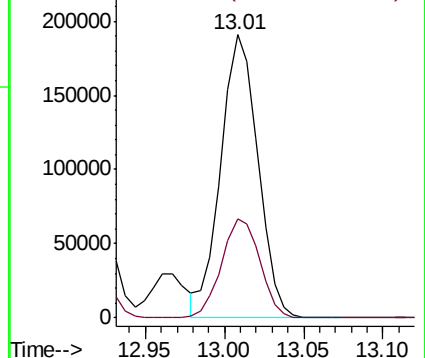
91 100

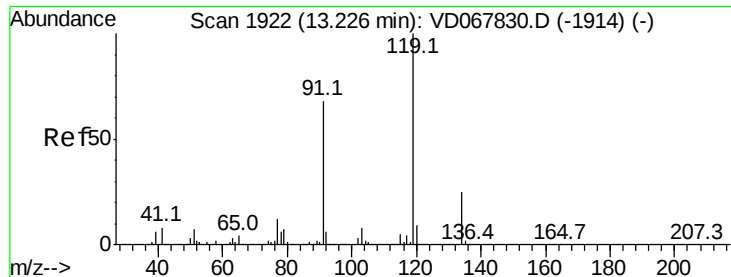
126 36.1 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 54.360 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

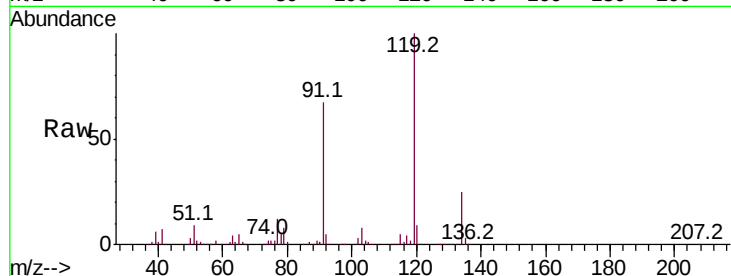
Tot Ion:119 Resp: 357074

Ion Ratio Lower Upper

119 100

91 64.3 33.1 99.3

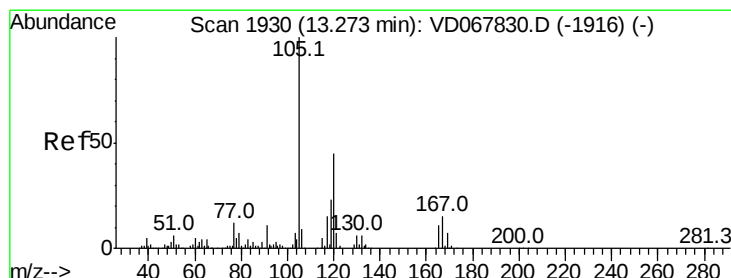
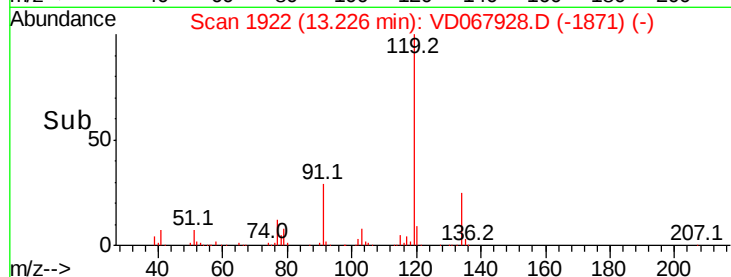
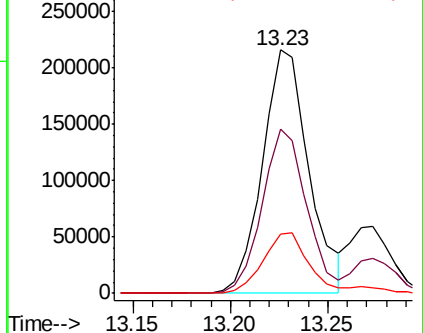
134 24.5 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.702 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067928.D

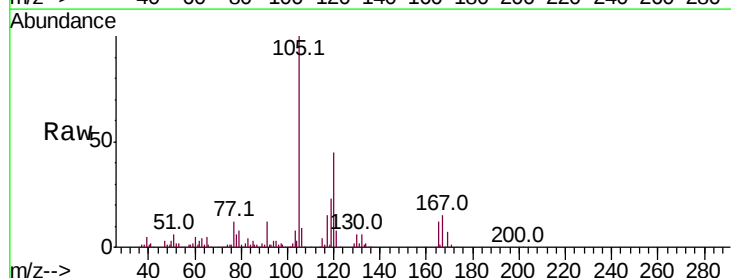
Acq: 09 Dec 2020 16:23

Tgt Ion:105 Resp: 396858

Ion Ratio Lower Upper

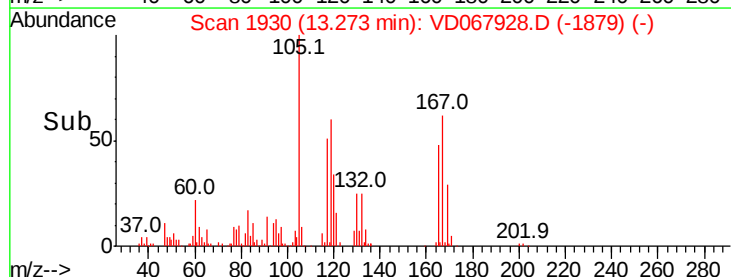
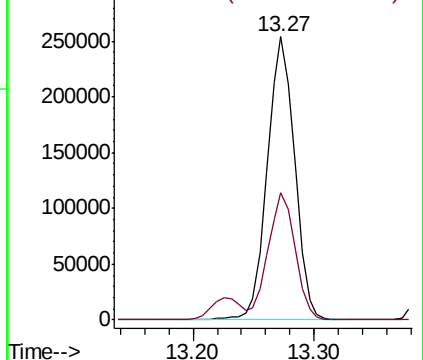
105 100

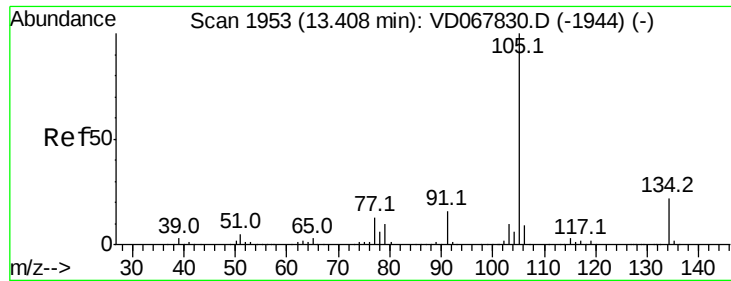
120 44.7 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

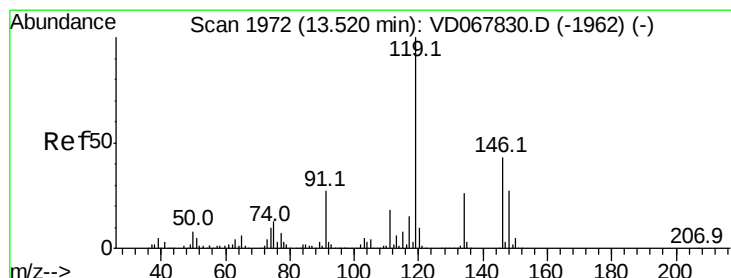
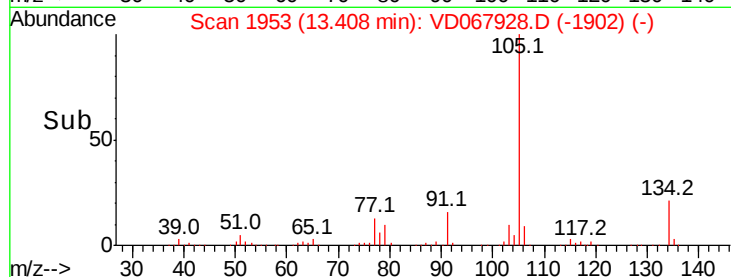
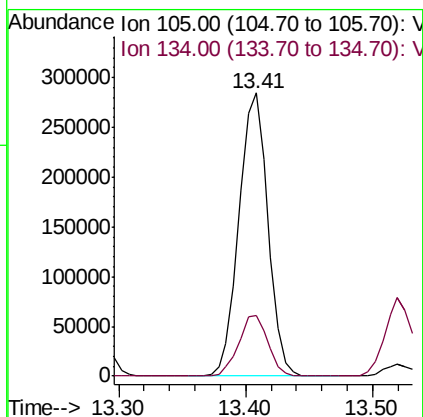
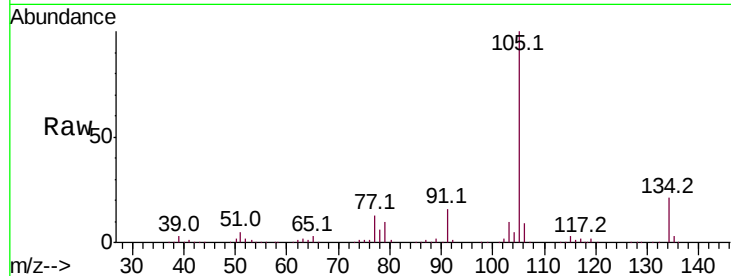




#85
 sec-Butylbenzene
 Concen: 51.297 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

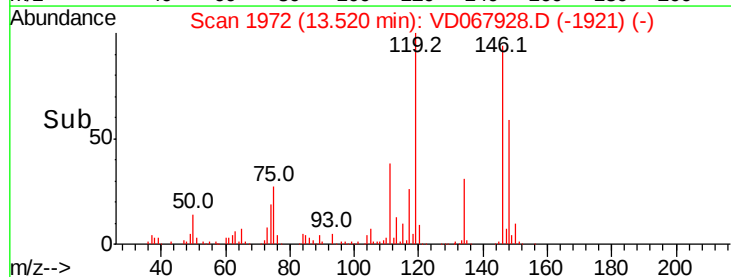
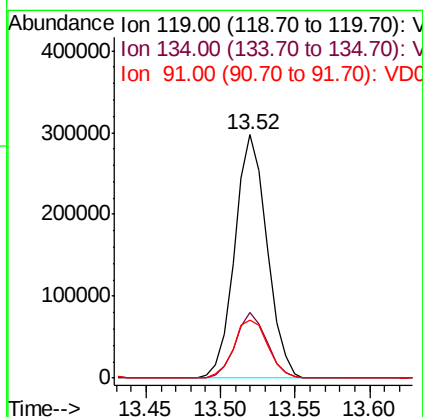
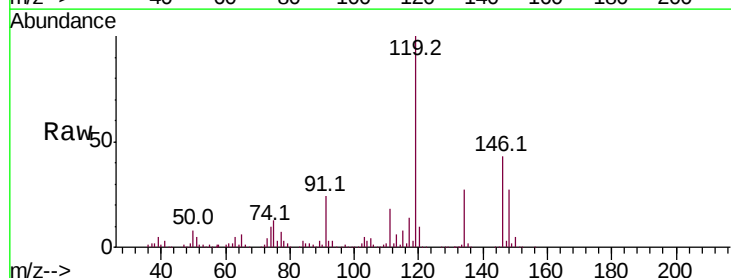
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

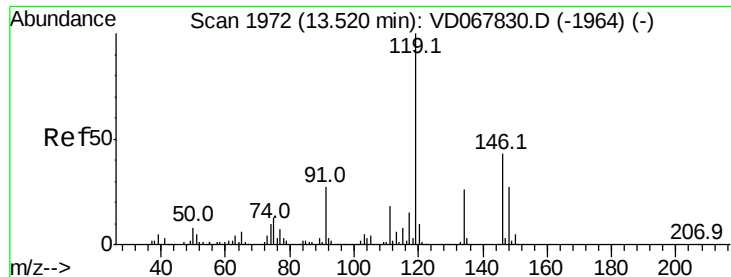
Tot Ion:105 Resp: 449728
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.9 32.9



#86
 p-Isopropyltoluene
 Concen: 52.114 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Tgt Ion:119 Resp: 447791
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.3
 91 25.4 12.8 38.3





#87

1,3-Dichlorobenzene

Concen: 49.070 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

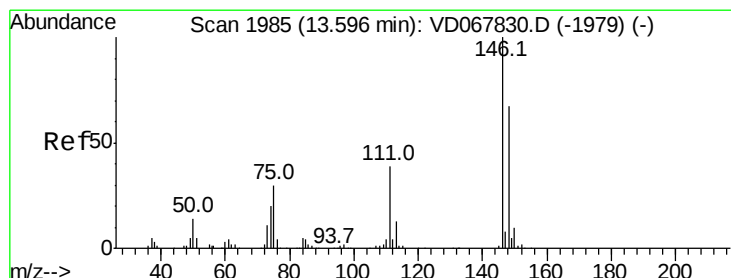
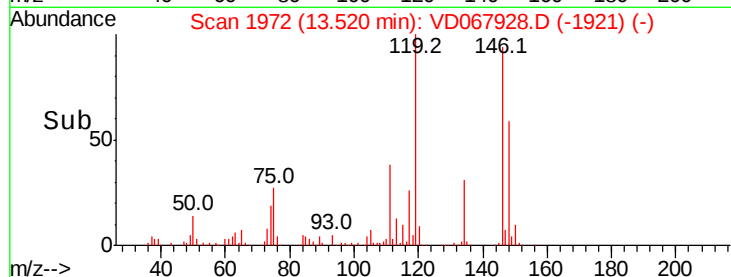
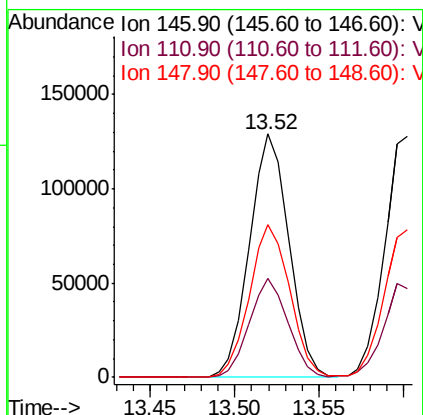
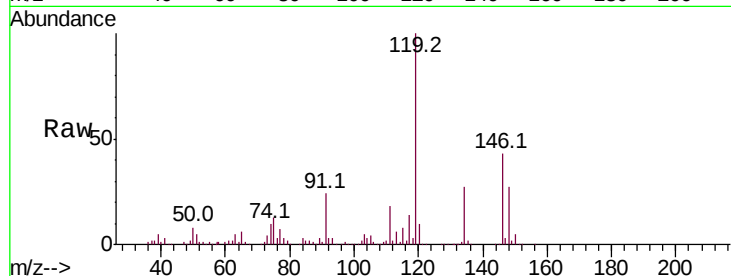
Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 209804

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.8	62.2
148	64.3	32.9	98.6



#88

1,4-Dichlorobenzene

Concen: 49.485 ug/l

RT: 13.60 min Scan# 1986

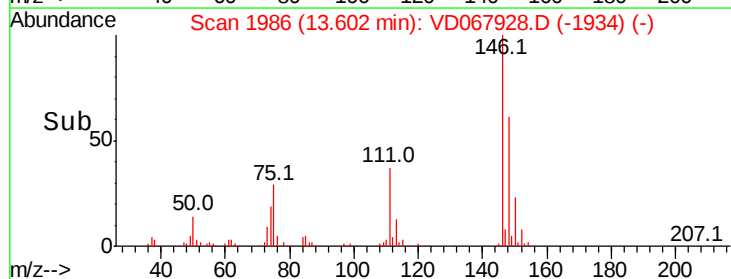
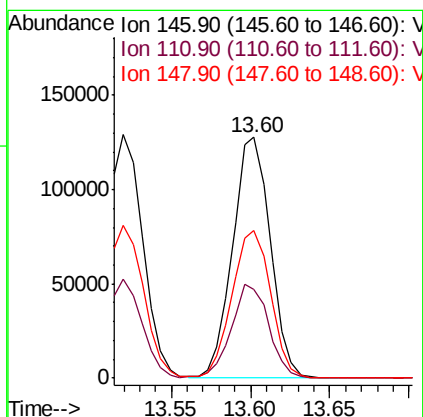
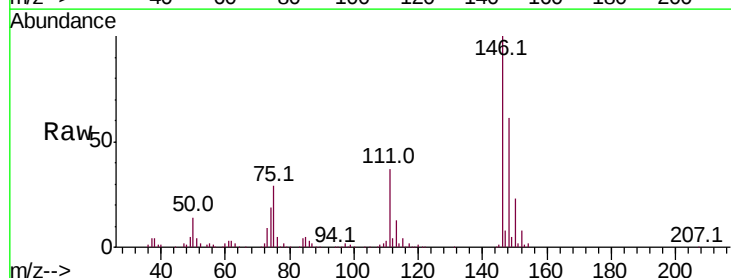
Delta R.T. 0.01 min

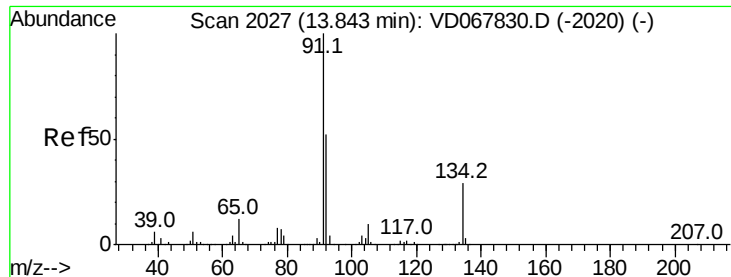
Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Tgt Ion:146 Resp: 211669

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.9	59.6
148	62.6	32.4	97.2

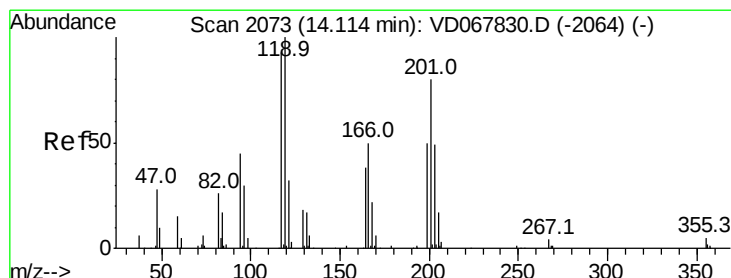
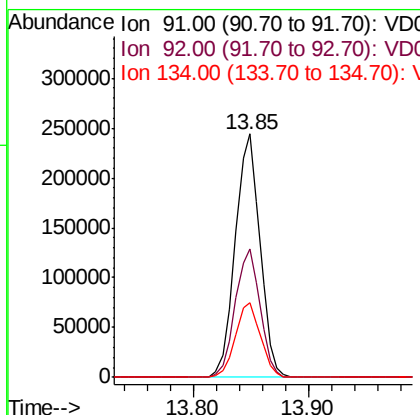
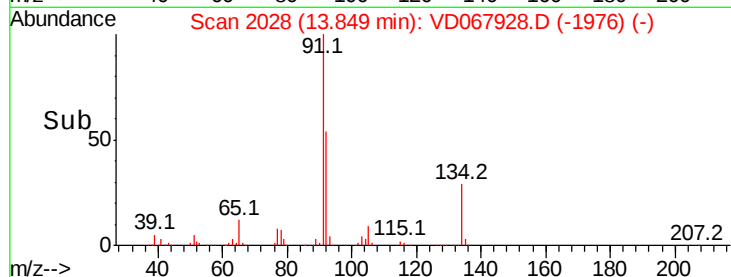
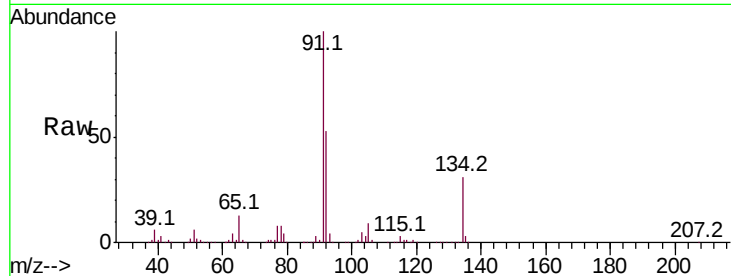




#89
n-Butylbenzene
Concen: 50.705 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

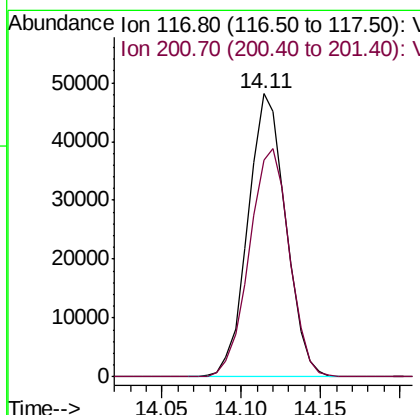
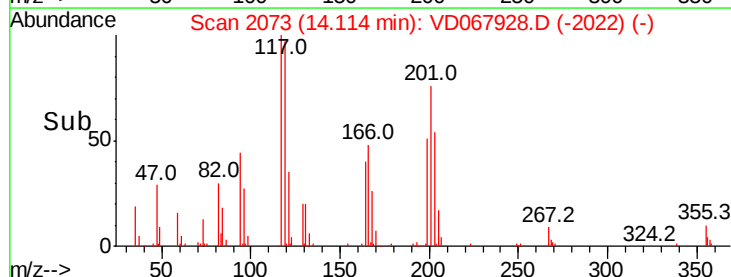
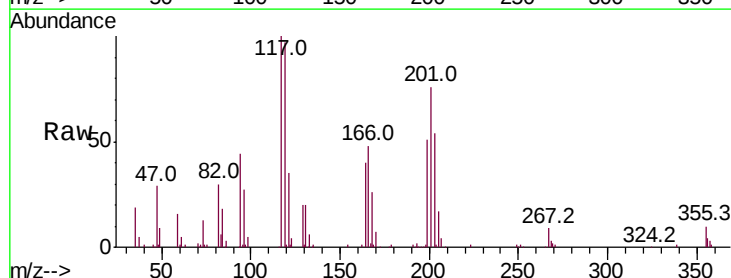
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

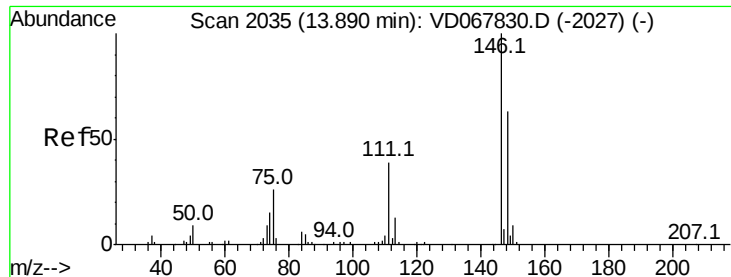
Tot Ion: 91 Resp: 361964
Ion Ratio Lower Upper
91 100
92 53.0 26.3 78.8
134 31.1 14.8 44.3



#90
Hexachloroethane
Concen: 50.429 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion: 117 Resp: 79999
Ion Ratio Lower Upper
117 100
201 85.1 43.9 131.6

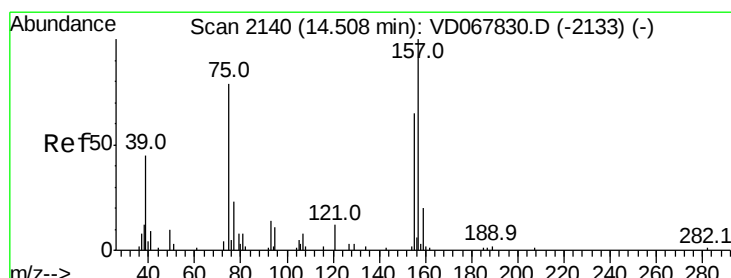
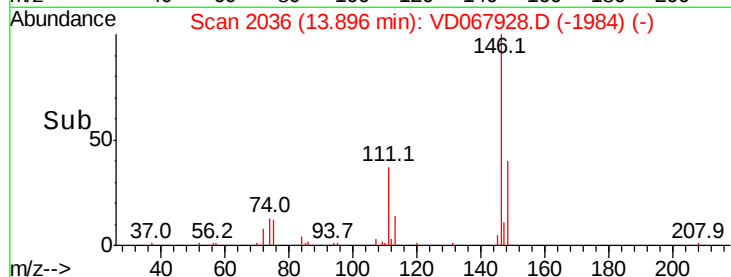
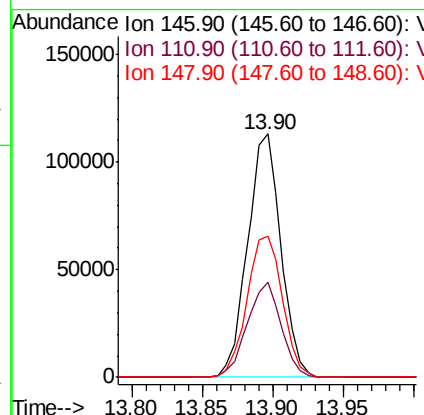
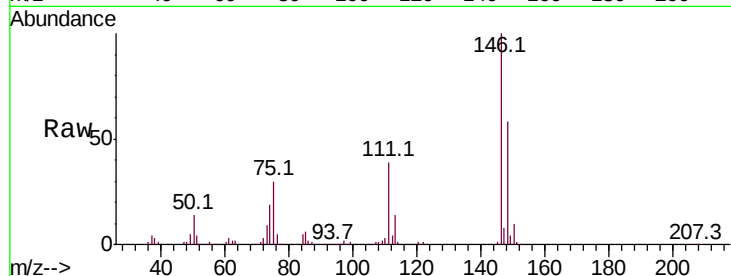




#91
 1,2-Dichlorobenzene
 Concen: 50.545 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

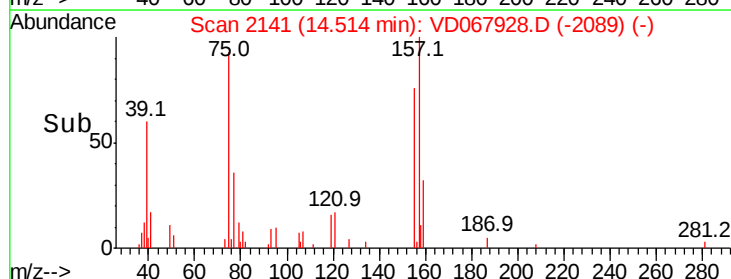
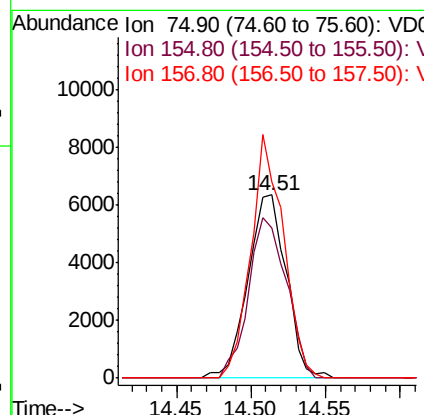
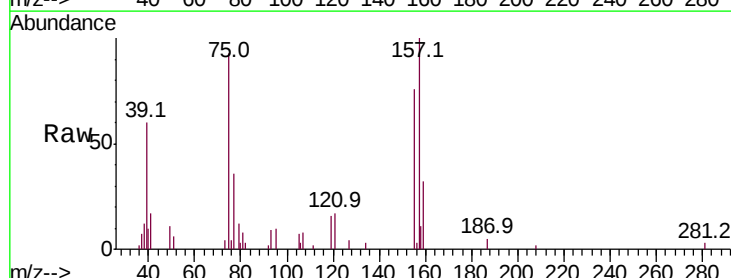
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

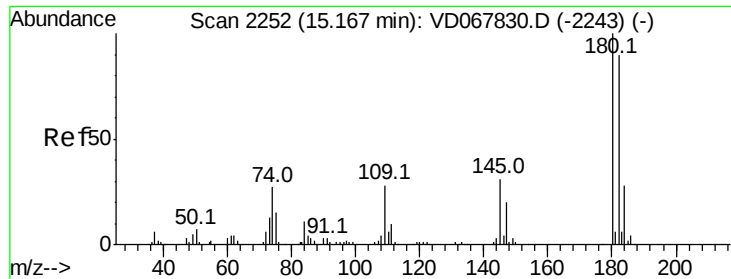
Tot Ion:146 Resp: 187434
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.4 61.2
 148 61.6 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.780 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Tgt Ion: 75 Resp: 11246
 Ion Ratio Lower Upper
 75 100
 155 86.9 44.1 132.4
 157 113.1 62.4 187.2

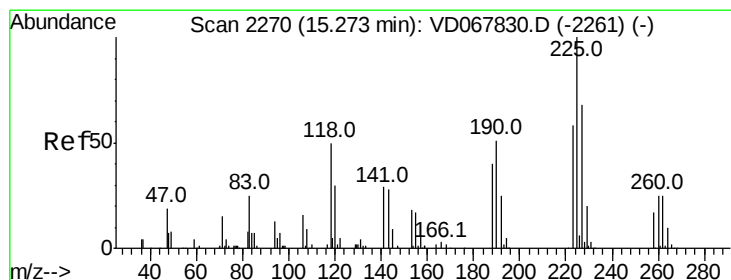
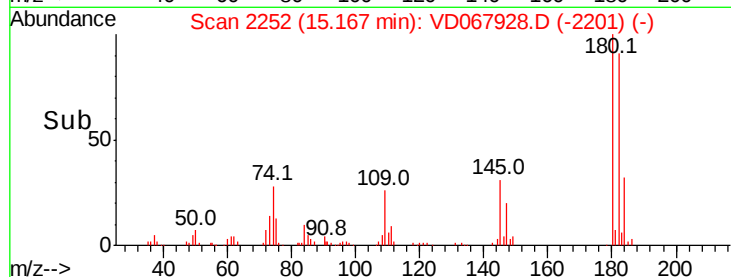
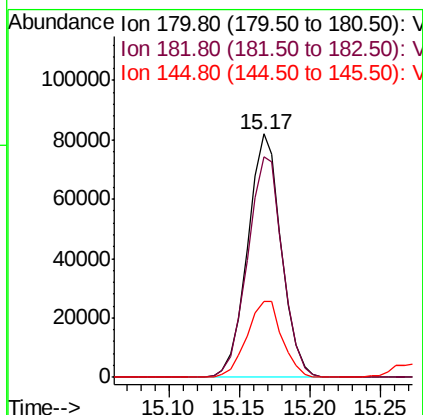
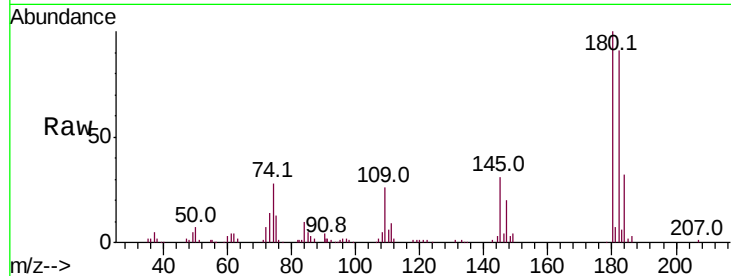




#93
 1,2,4-Trichlorobenzene
 Concen: 52.681 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

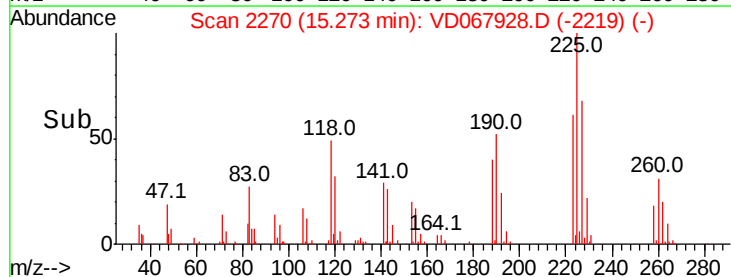
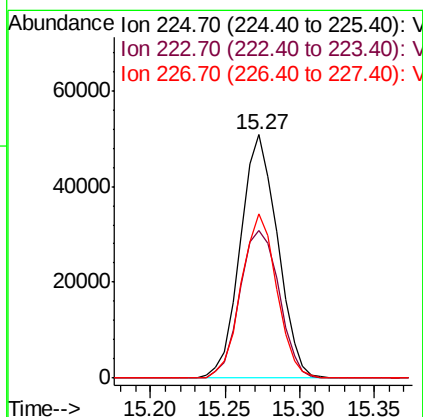
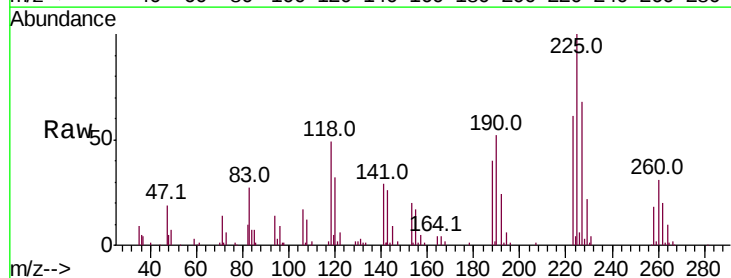
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

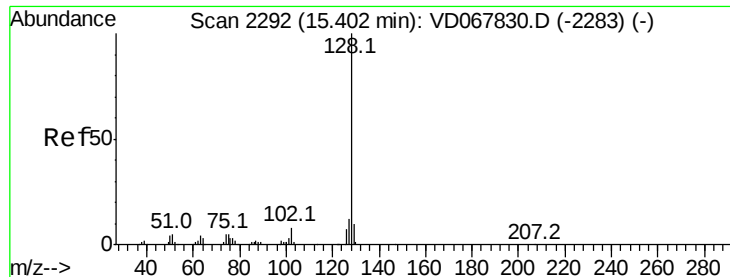
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.5	142.6
145	32.8	16.4	49.4



#94
 Hexachlorobutadiene
 Concen: 51.878 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.1	93.3
227	64.5	33.1	99.3





#95

Naphthalene

Concen: 49.930 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

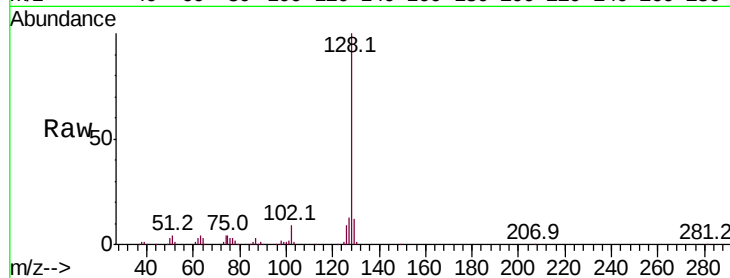
Tot Ion:128 Resp: 210745

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

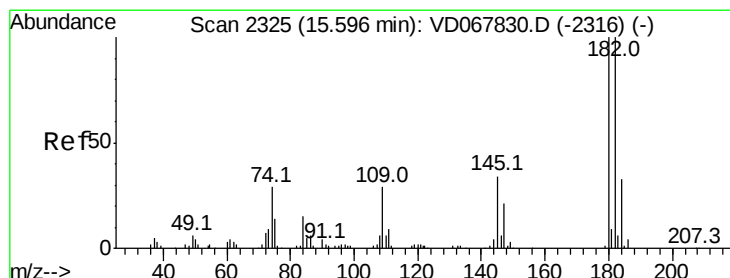
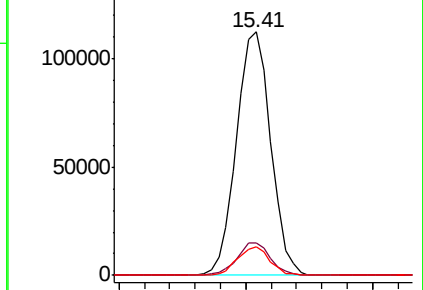
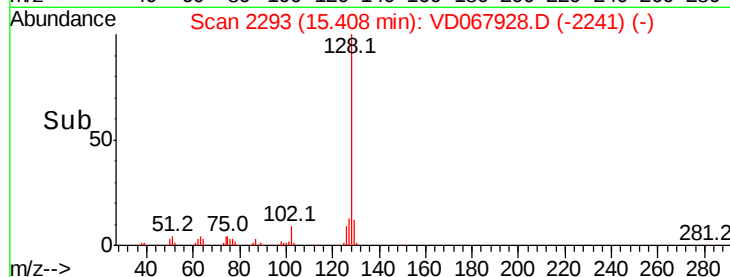
129 11.1 9.0 13.6



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: 50.984 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

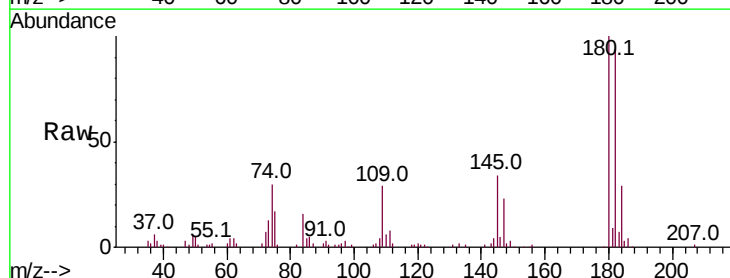
Tgt Ion:180 Resp: 114206

Ion Ratio Lower Upper

180 100

182 96.0 47.3 142.0

145 34.2 16.8 50.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

