

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100719\
 Data File : VD063897.D
 Acq On : 07 Oct 2019 13:39
 Operator : VA/SY
 Sample : K5111-03 2.5PPB MDL
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 08 17:26:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	174120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	280766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	274926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	136035	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	93779	55.32	ug/l	0.00
Spiked Amount						
			Recovery	=	110.64%	
35) Dibromofluoromethane	7.92	113	90550	52.77	ug/l	0.00
Spiked Amount						
			Recovery	=	105.54%	
50) Toluene-d8	10.34	98	377618	54.22	ug/l	0.00
Spiked Amount						
			Recovery	=	108.44%	
62) 4-Bromofluorobenzene	12.63	95	121869	50.36	ug/l	0.00
Spiked Amount						
			Recovery	=	100.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	3633	2.942	ug/l #	33
3) Chloromethane	2.21	50	11129	Below Cal		97
4) Vinyl Chloride	2.34	62	11893	2.980	ug/l	99
5) Bromomethane	2.77	94	8514	3.318	ug/l	88
6) Chloroethane	2.93	64	7739	2.932	ug/l	94
7) Trichlorofluoromethane	3.27	101	13902	2.635	ug/l	84
8) Diethyl Ether	3.70	74	1986	2.345	ug/l #	50
9) 1,1,2-Trichlorotrifluoroet	4.09	101	4007	2.743	ug/l	95
10) Methyl Iodide	4.29	142	4573	2.272	ug/l #	48
11) Tert butyl alcohol	5.24	59	333	Below Cal	#	70
12) 1,1-Dichloroethene	4.06	96	4603	3.154	ug/l #	60
13) Acrolein	3.93	56	2264	14.953	ug/l	92
14) Allyl chloride	4.71	41	7305	3.011	ug/l #	82
15) Acrylonitrile	5.43	53	5154	13.803	ug/l #	66
16) Acetone	4.17	43	7713	17.476	ug/l	91
17) Carbon Disulfide	4.39	76	13124	2.474	ug/l	98
18) Methyl Acetate	4.73	43	2886	3.343	ug/l #	62
19) Methyl tert-butyl Ether	5.48	73	10533	2.787	ug/l	93
20) Methylene Chloride	4.97	84	12477	3.577	ug/l	88
21) trans-1,2-Dichloroethene	5.48	96	4960	2.730	ug/l #	61
22) Diisopropyl ether	6.36	45	13091	2.642	ug/l #	85
23) Vinyl Acetate	6.31	43	37622	12.764	ug/l #	89
24) 1,1-Dichloroethane	6.26	63	8791	2.880	ug/l #	87
25) 2-Butanone	7.22	43	8331	15.928	ug/l	93
26) 2,2-Dichloropropane	7.21	77	9348	3.386	ug/l	92
27) cis-1,2-Dichloroethene	7.21	96	5366	2.610	ug/l	83
28) Bromochloromethane	7.55	49	3791	5.009	ug/l #	99
29) Tetrahydrofuran	7.58	42	4344	14.229	ug/l #	78
30) Chloroform	7.71	83	9295	2.804	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	6928	2.436	ug/l #	85
36) 1,1-Dichloropropene	8.11	75	7297	2.842	ug/l	96
37) Ethyl Acetate	7.30	43	3695	Below Cal	#	87
38) Carbon Tetrachloride	8.08	117	6469	2.494	ug/l #	80
39) Methylcyclohexane	9.36	83	8199	2.598	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.34	78	19741	2.683	ug/l #	89
41) Methacrylonitrile	7.52	41	1335	2.243	ug/l #	50
42) 1,2-Dichloroethane	8.43	62	5683	2.671	ug/l	100
43) Isopropyl Acetate	8.46	43	7018	3.260	ug/l #	82
44) Trichloroethene	9.11	130	6031	2.843	ug/l	77
45) 1,2-Dichloropropane	9.38	63	4647	2.581	ug/l #	79
46) Dibromomethane	9.48	93	3044	2.968	ug/l	94
47) Bromodichloromethane	9.67	83	6804	2.577	ug/l #	91
48) Methyl methacrylate	9.46	41	3511	3.404	ug/l	90
49) 1,4-Dioxane	9.47	88	874	62.438	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	16417	14.704	ug/l	97
52) Toluene	10.41	92	12889	2.552	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	5845	2.269	ug/l #	89
54) cis-1,3-Dichloropropene	10.08	75	6954	2.345	ug/l #	86
55) 1,1,2-Trichloroethane	10.81	97	3743	2.585	ug/l	85
56) Ethyl methacrylate	10.66	69	3956	2.157	ug/l #	79
57) 1,3-Dichloropropane	10.94	76	6104	2.464	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	9606	12.188	ug/l	96
59) 2-Hexanone	10.99	43	10500	13.000	ug/l	99
60) Dibromochloromethane	11.14	129	4628	2.455	ug/l	89
61) 1,2-Dibromoethane	11.25	107	4223	3.008	ug/l	85
64) Tetrachloroethene	10.88	164	5656	3.014	ug/l #	81
65) Chlorobenzene	11.67	112	15624	2.830	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.74	131	4541	2.232	ug/l	86
67) Ethyl Benzene	11.74	91	24617	2.473	ug/l	98
68) m/p-Xylenes	11.86	106	18366	4.779	ug/l	93
69) o-Xylene	12.18	106	8545	2.322	ug/l	95
70) Stvrene	12.19	104	13656	2.192	ug/l	93
71) Bromoform	12.36	173	2712	2.484	ug/l #	88
73) Isopropylbenzene	12.48	105	22724	2.485	ug/l	93
74) N-amyl acetate	12.29	43	5520	2.804	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	4663	2.930	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	4727	5.188	ug/l #	100
77) Bromobenzene	12.77	156	5638	2.475	ug/l	94
78) n-propylbenzene	12.81	91	27356	2.548	ug/l	97
79) 2-Chlorotoluene	12.91	91	14853	2.509	ug/l	96
80) 1,3,5-Trimethylbenzene	12.96	105	19246	2.523	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.63	75	65510	127.234	ug/l #	12
82) 4-Chlorotoluene	13.01	91	16143	2.571	ug/l	96
83) tert-Butylbenzene	13.22	119	15170	2.234	ug/l	83
84) 1,2,4-Trimethylbenzene	13.27	105	18759	2.385	ug/l	98
85) sec-Butylbenzene	13.40	105	23445	2.557	ug/l	95
86) p-Isopropyltoluene	13.51	119	19261	2.220	ug/l	93
87) 1,3-Dichlorobenzene	13.51	146	10687	2.374	ug/l	88
88) 1,4-Dichlorobenzene	13.60	146	12666	2.852	ug/l	93
89) n-Butylbenzene	13.84	91	19963	2.472	ug/l	97
90) Hexachloroethane	14.10	117	4542	2.910	ug/l	77
91) 1,2-Dichlorobenzene	13.89	146	9904	2.553	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.50	75	1023	1.767	ug/l #	31
93) 1,2,4-Trichlorobenzene	15.16	180	7437	2.484	ug/l	89

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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
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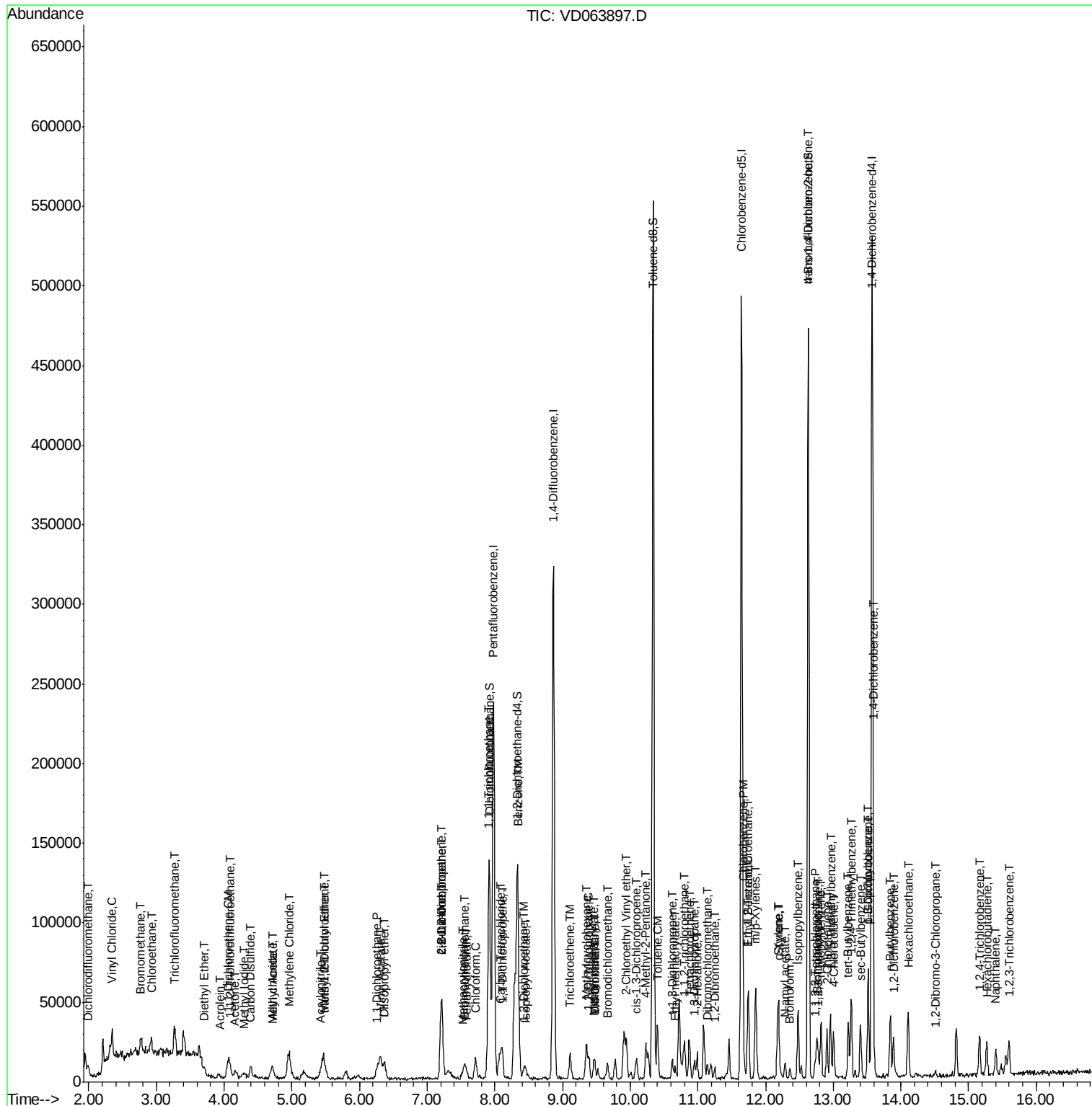
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.27	225	3852	2.332	ug/l	90
95) Naphthalene	15.40	128	12414	2.467	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.60	180	6216	2.407	ug/l	86

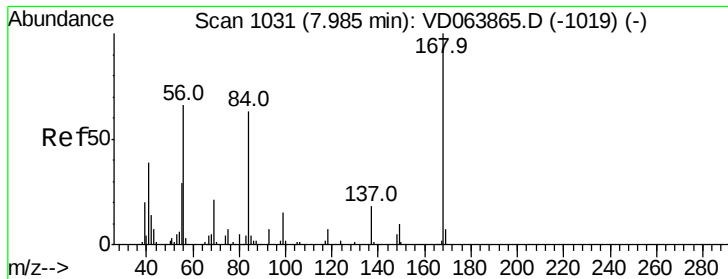
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

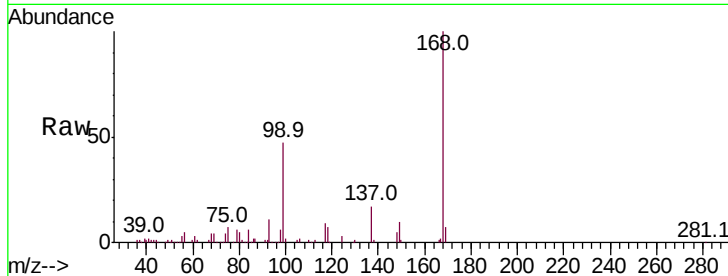
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 174120

Ion Ratio Lower Upper

168 100

99 46.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

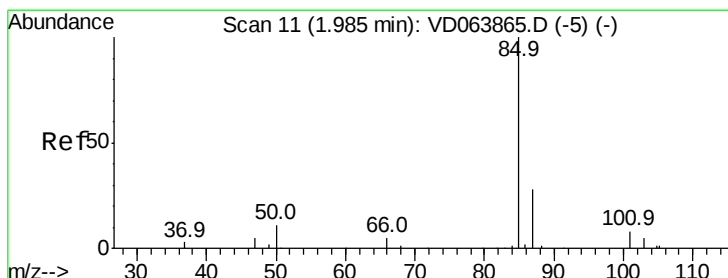
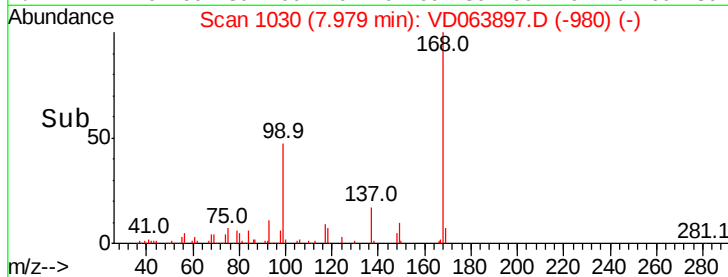
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 2.942 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063897.D

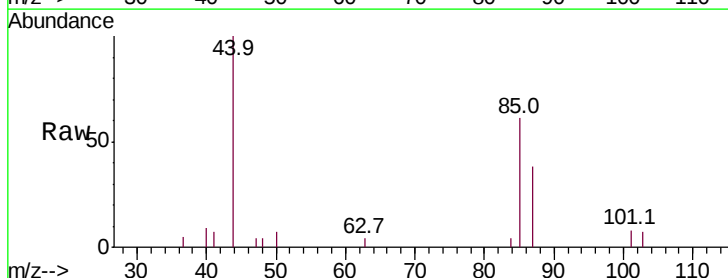
Acq: 07 Oct 2019 13:39

Tgt Ion: 85 Resp: 3633

Ion Ratio Lower Upper

85 100

87 63.2 14.0 42.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

2500

2000

1500

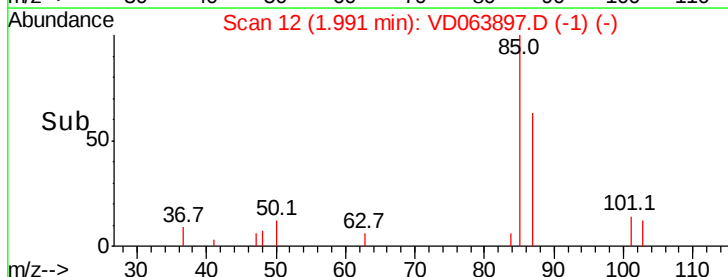
1000

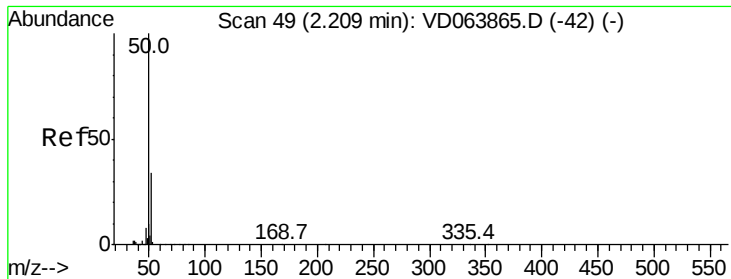
500

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

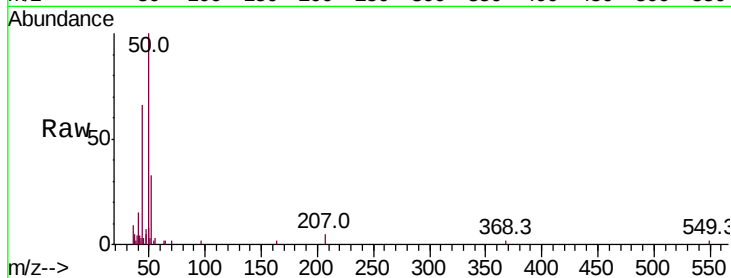
ClientSampled :

Tot Ion: 50 Resp: 11129

Ion Ratio Lower Upper

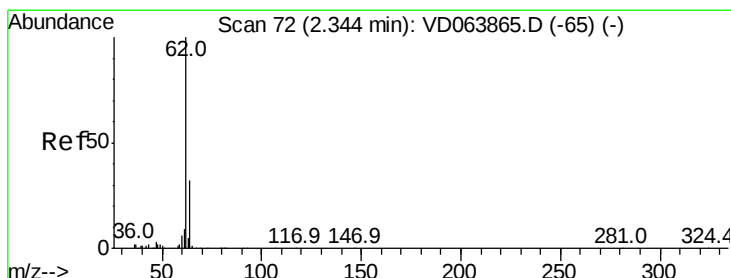
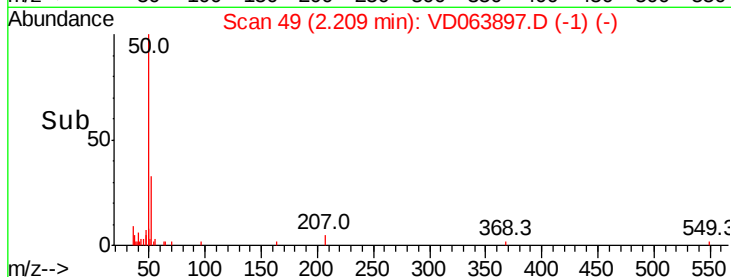
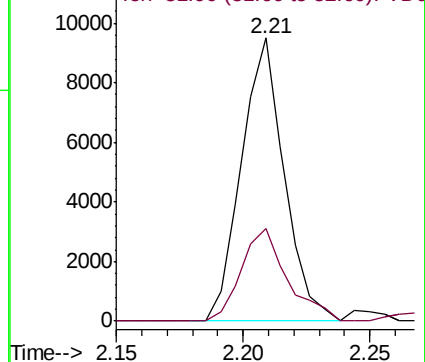
50 100

52 32.8 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 2.980 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063897.D

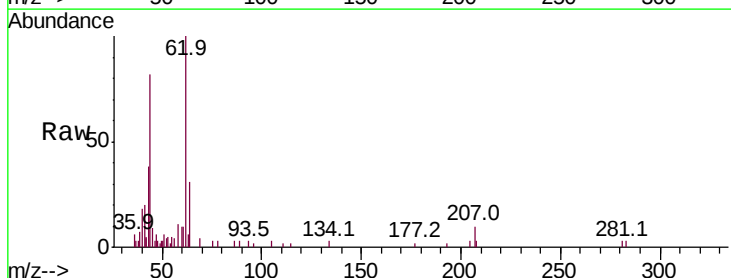
Acq: 07 Oct 2019 13:39

Tgt Ion: 62 Resp: 11893

Ion Ratio Lower Upper

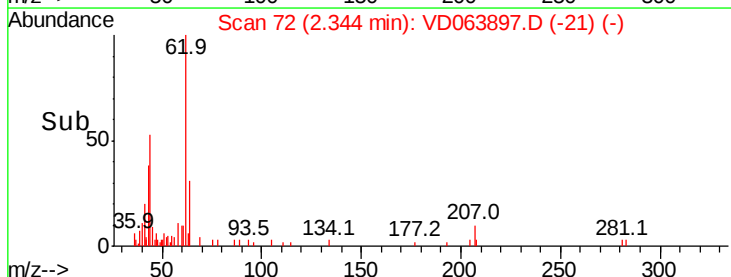
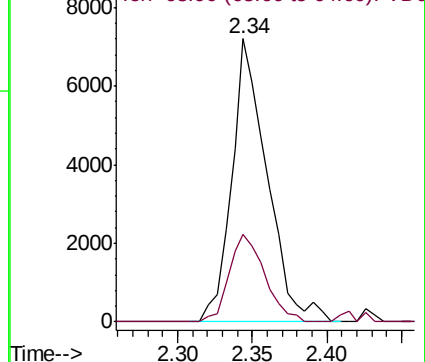
62 100

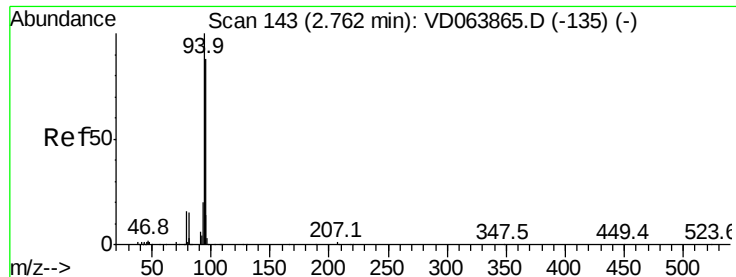
64 31.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 3.318 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

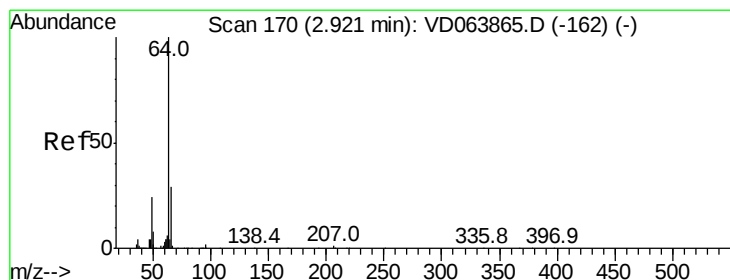
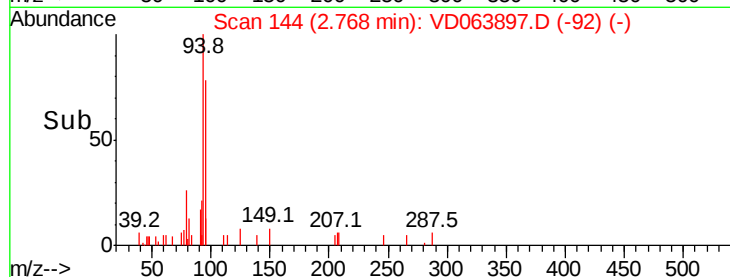
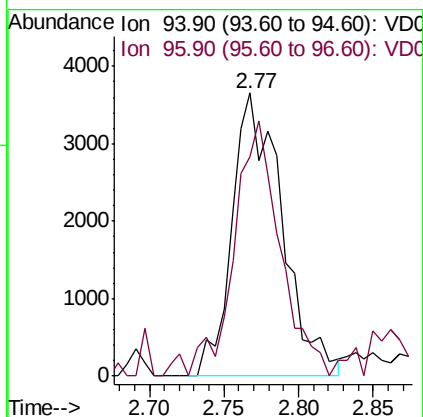
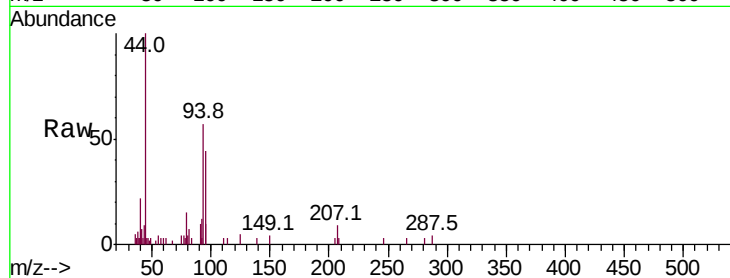
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 8514

Ion Ratio Lower Upper

94 100

96 77.6 70.8 106.2



#6

Chloroethane

Concen: 2.932 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD063897.D

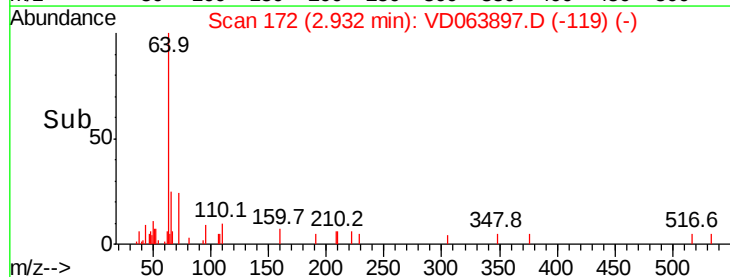
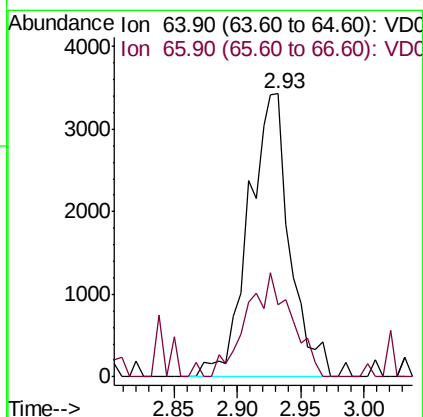
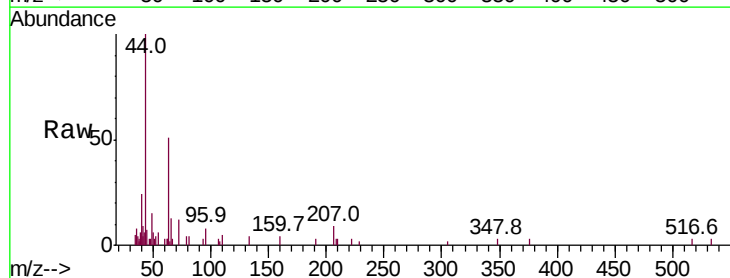
Acq: 07 Oct 2019 13:39

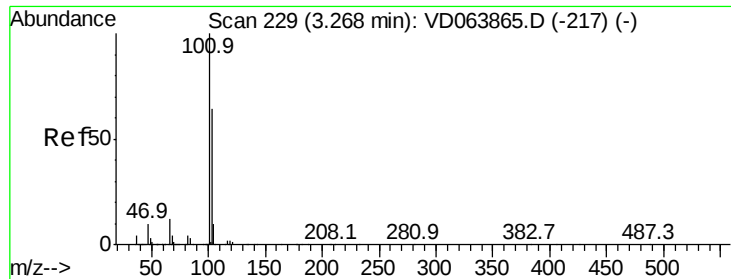
Tgt Ion: 64 Resp: 7739

Ion Ratio Lower Upper

64 100

66 25.5 23.0 34.4



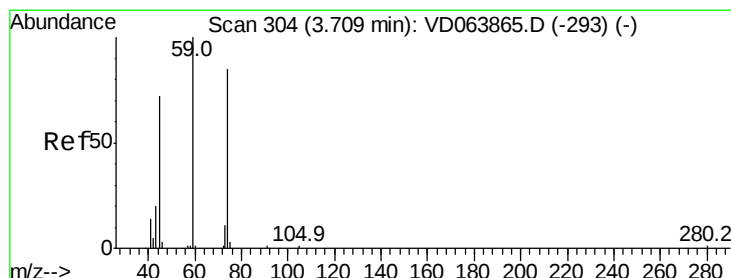
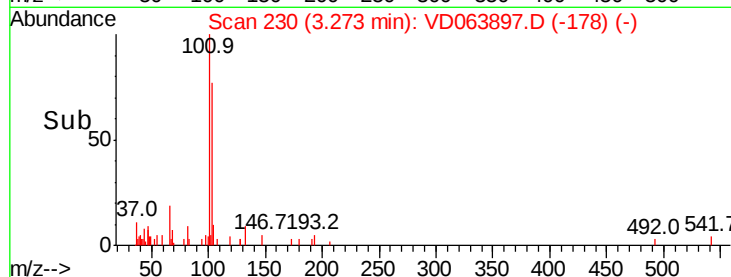
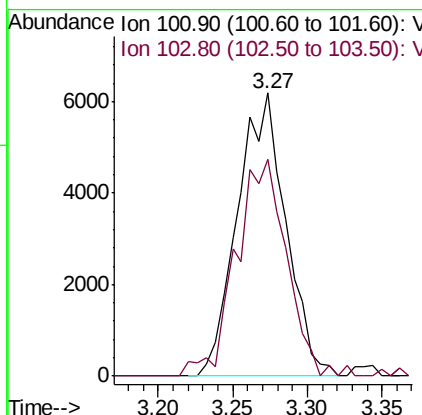
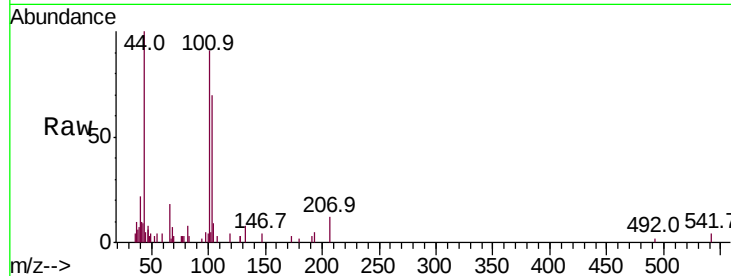


#7

Trichlorofluoromethane
Concen: 2.635 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :

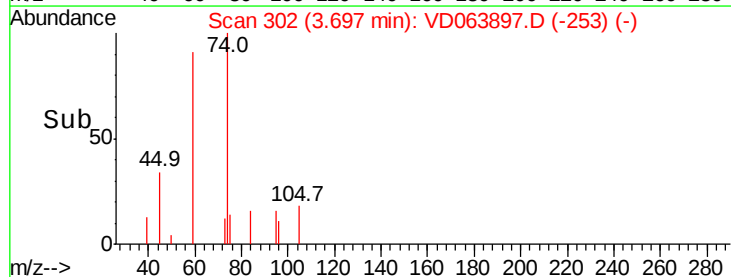
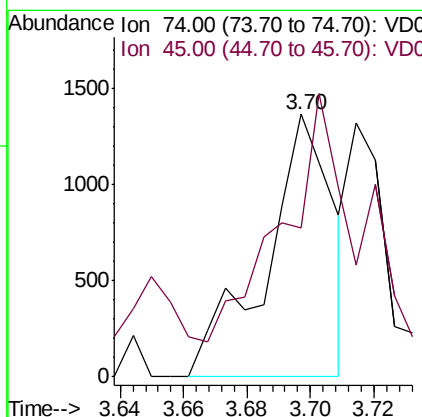
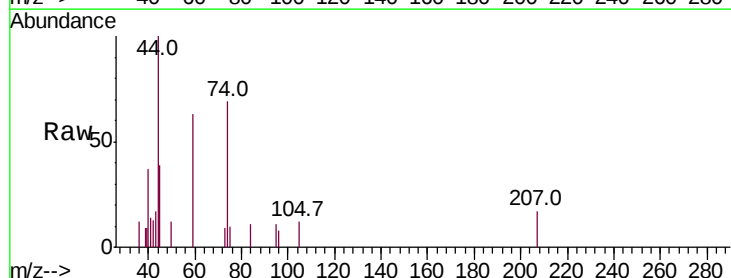
Tot Ion:101 Resp: 13902
Ion Ratio Lower Upper
101 100
103 76.5 51.1 76.7

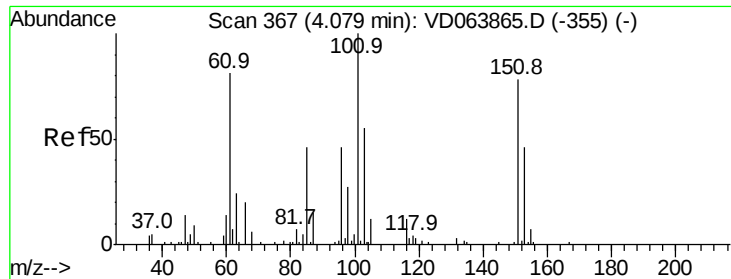


#8

Diethyl Ether
Concen: 2.345 ug/l
RT: 3.70 min Scan# 302
Delta R.T. -0.01 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Tgt Ion: 74 Resp: 1986
Ion Ratio Lower Upper
74 100
45 144.9 48.1 144.4#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.743 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

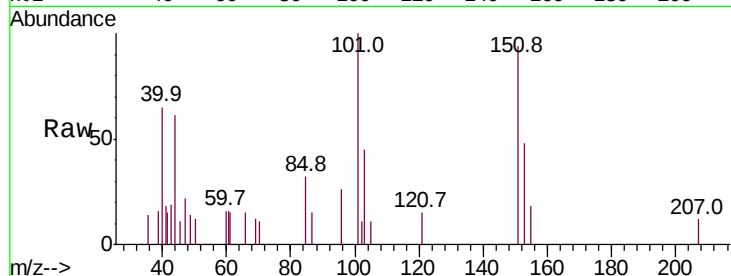
Tot Ion:101 Resp: 4007

Ion Ratio Lower Upper

101 100

85 52.0 37.5 56.3

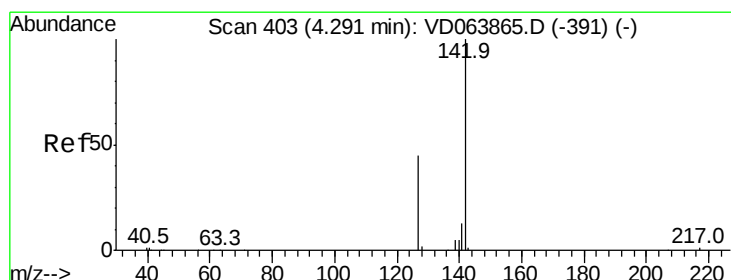
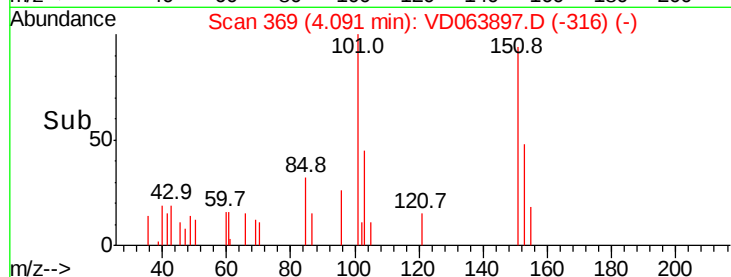
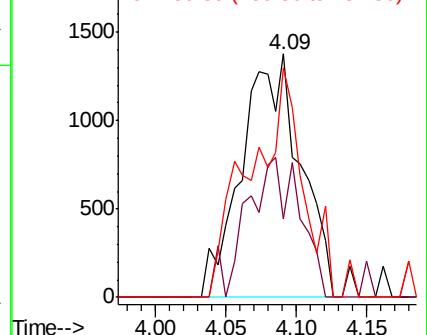
151 84.8 65.5 98.3



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: 2.272 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

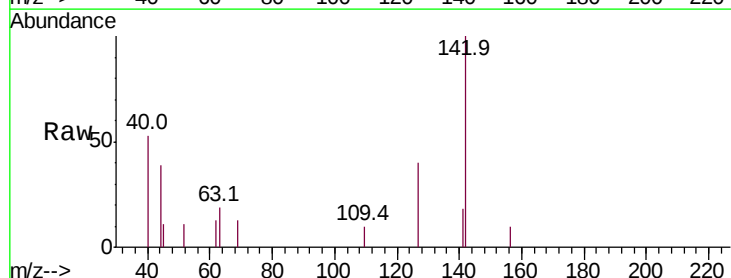
Tgt Ion:142 Resp: 4573

Ion Ratio Lower Upper

142 100

127 0.0 35.3 52.9#

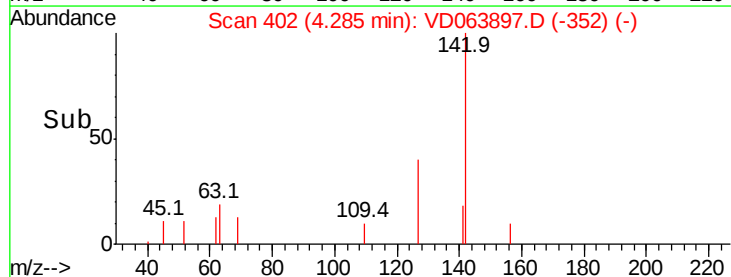
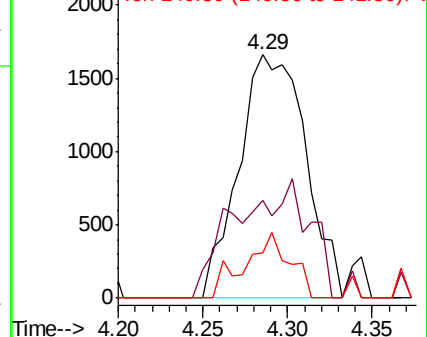
141 18.2 12.2 18.2

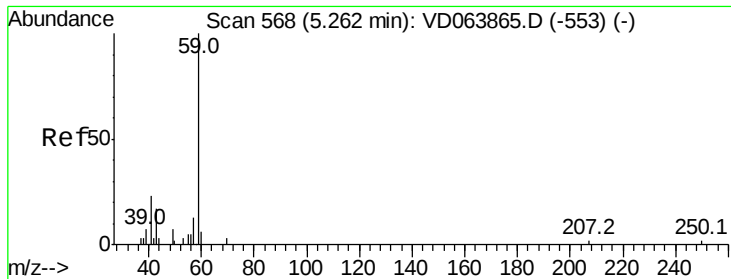


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

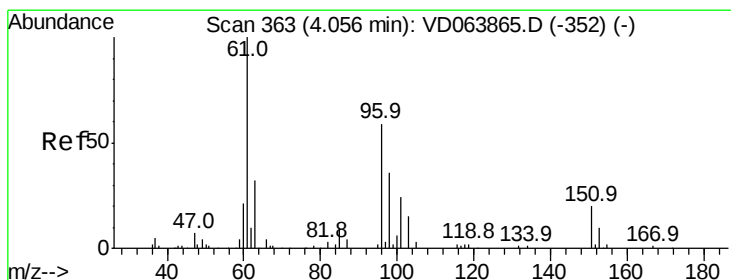
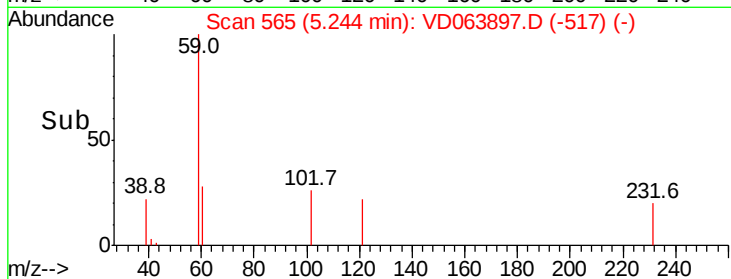
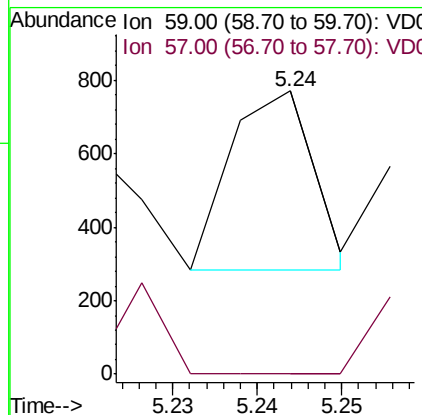
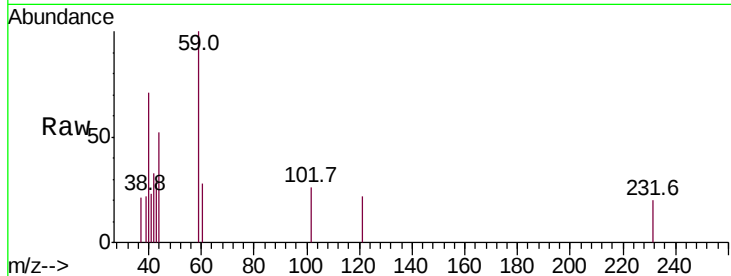




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 565
Delta R.T. -0.02 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

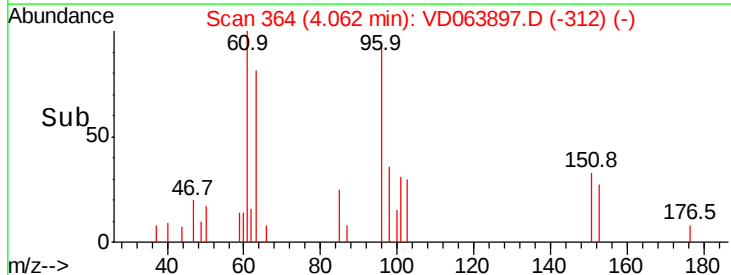
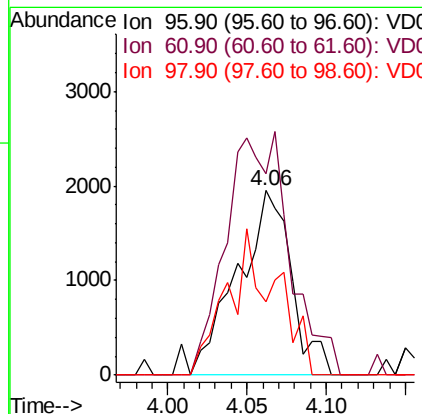
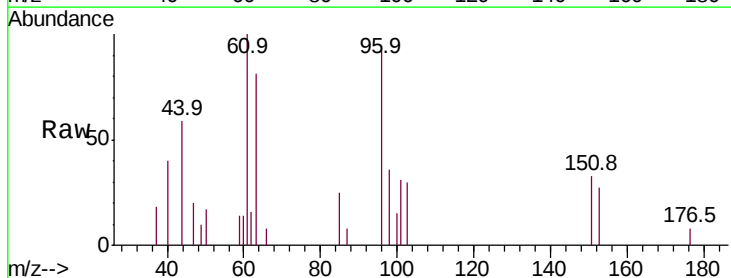
Instrument :
MSVOA_D
ClientSampled :

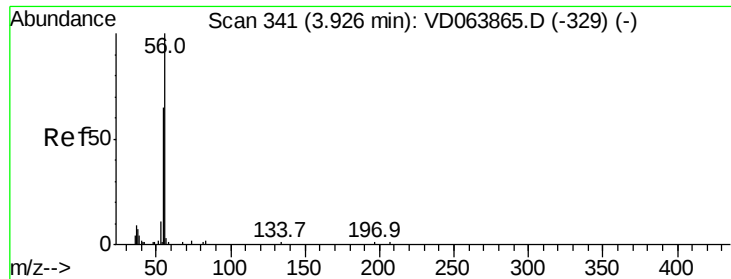
Tot Ion: 59 Resp: 333
Ion Ratio Lower Upper
59 100
57 22.5 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 3.154 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Tgt Ion: 96 Resp: 4603
Ion Ratio Lower Upper
96 100
61 109.2 135.6 203.4#
98 39.5 49.2 73.8#





#13

Acrolein

Concen: 14.953 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

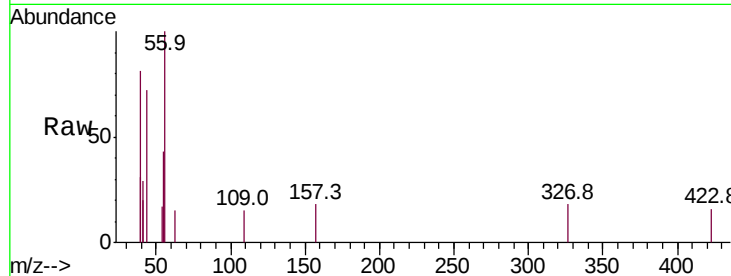
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 2264

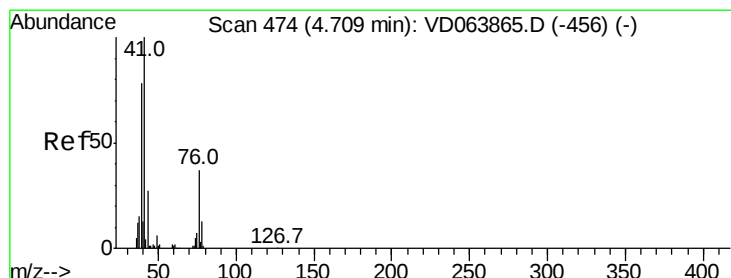
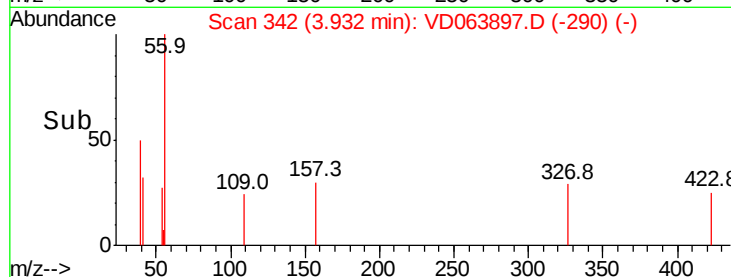
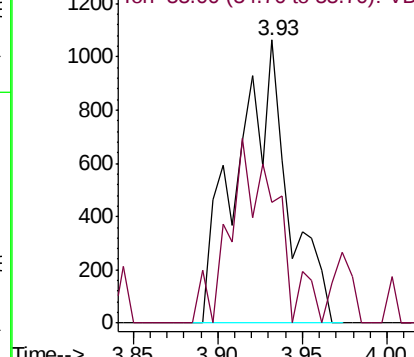
Ion Ratio Lower Upper

56 100

55 60.2 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 3.011 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

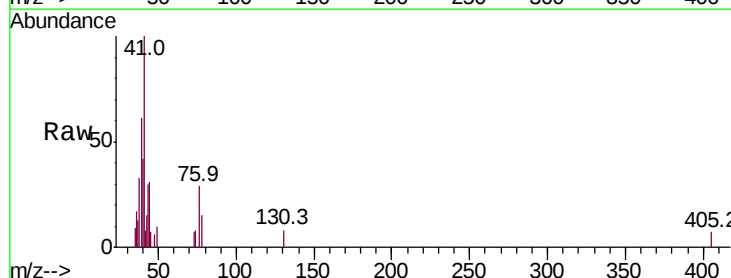
Tgt Ion: 41 Resp: 7305

Ion Ratio Lower Upper

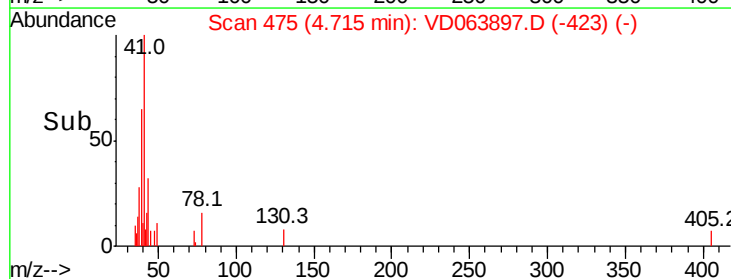
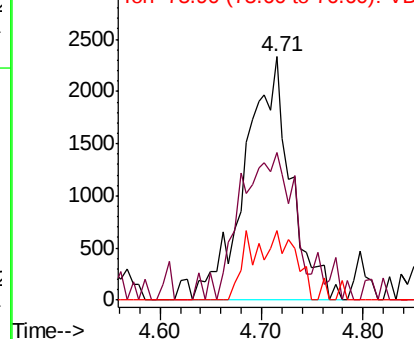
41 100

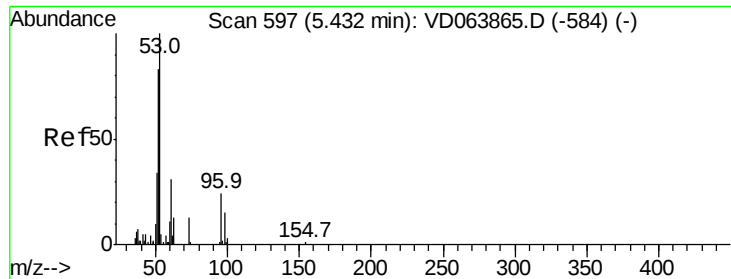
39 71.0 61.8 92.6

76 15.9 31.3 46.9#



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 13.803 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

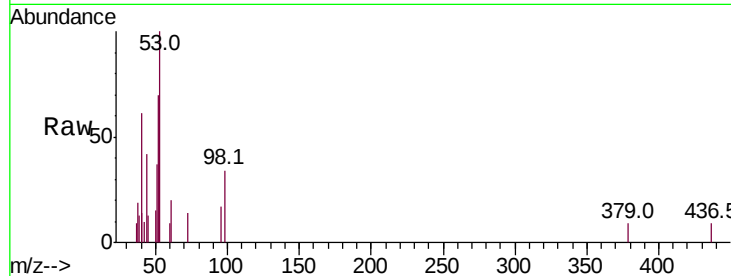
Tot Ion: 53 Resp: 5154

Ion Ratio Lower Upper

53 100

52 48.7 67.3 100.9#

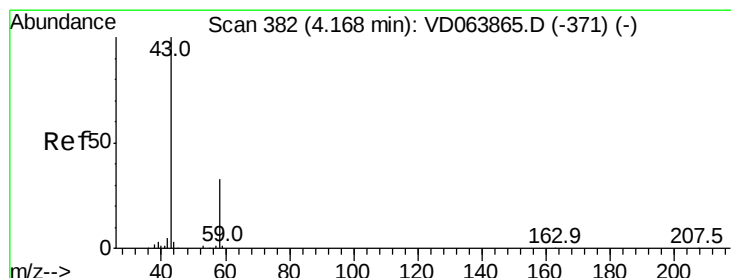
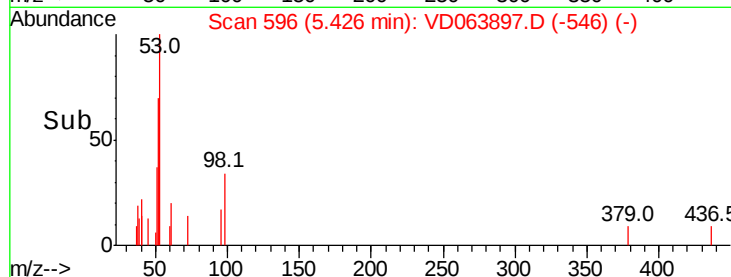
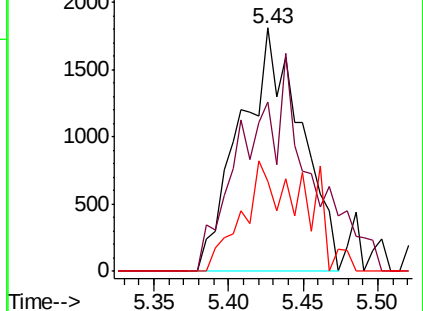
51 23.7 30.5 45.7#



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: 17.476 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063897.D

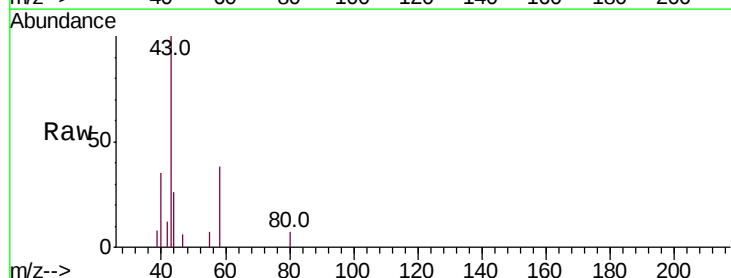
Acq: 07 Oct 2019 13:39

Tgt Ion: 43 Resp: 7713

Ion Ratio Lower Upper

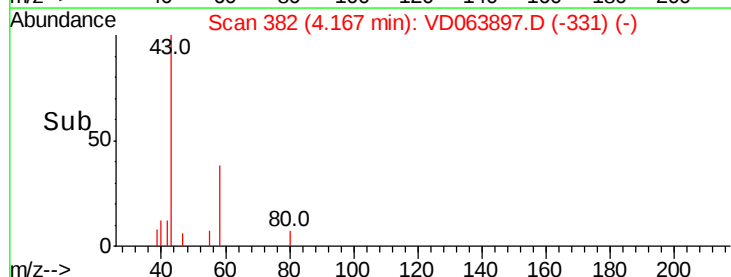
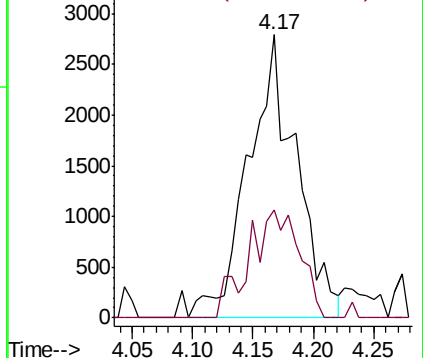
43 100

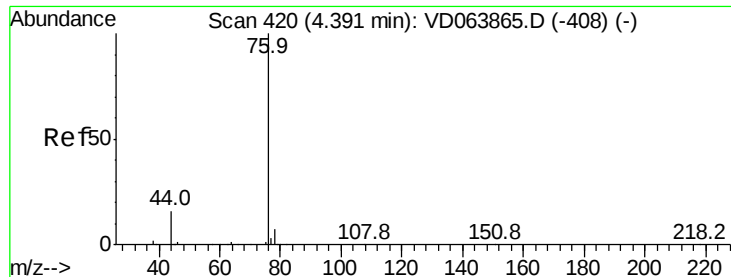
58 38.0 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

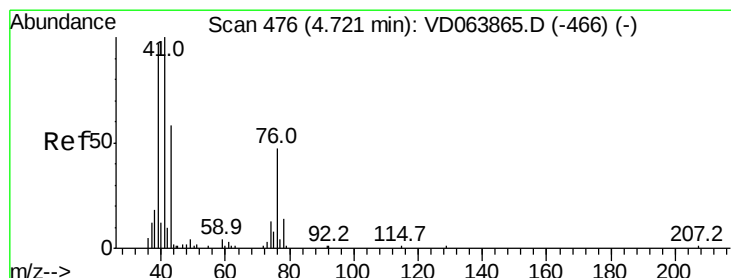
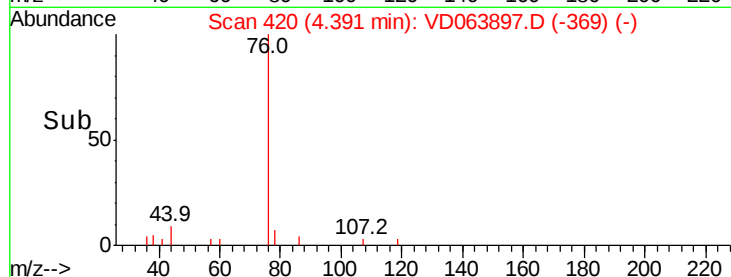
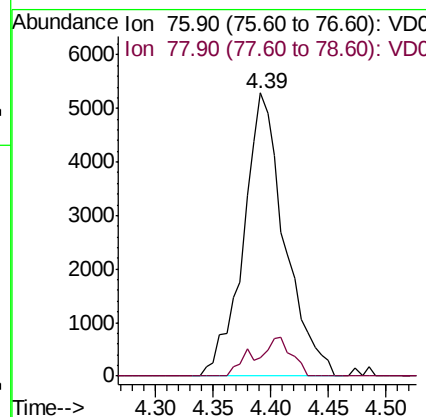
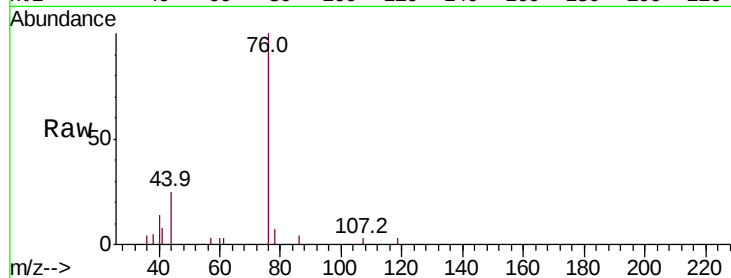




#17
Carbon Disulfide
Concen: 2.474 ug/l
RT: 4.39 min Scan# 420
Delta R.T. -0.00 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

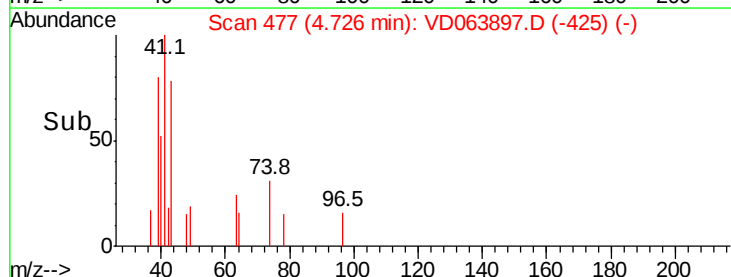
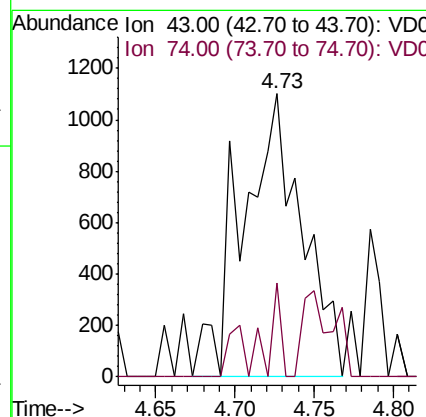
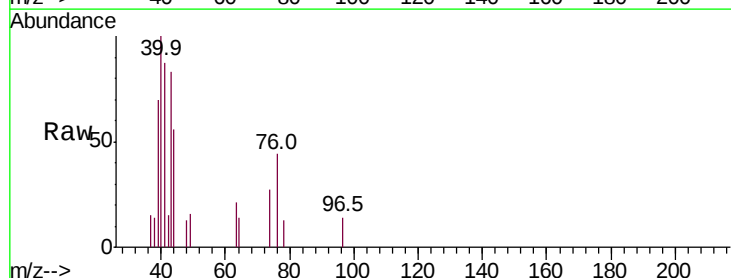
Instrument :
MSVOA_D
ClientSampled :

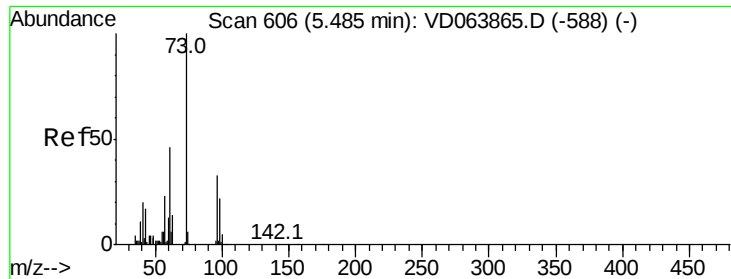
Tot Ion: 76 Resp: 13124
Ion Ratio Lower Upper
76 100
78 6.6 5.8 8.8



#18
Methyl Acetate
Concen: 3.343 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Tgt Ion: 43 Resp: 2886
Ion Ratio Lower Upper
43 100
74 6.8 20.8 31.2#

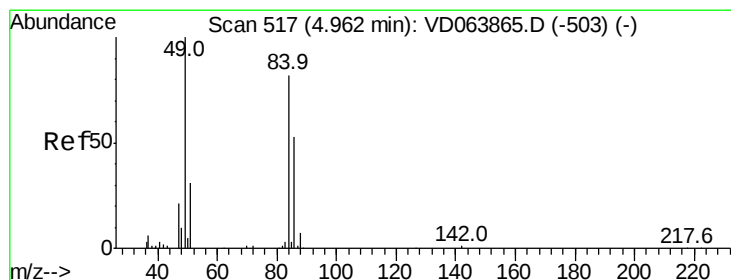
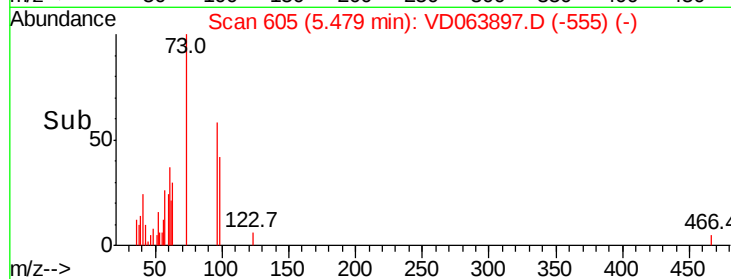
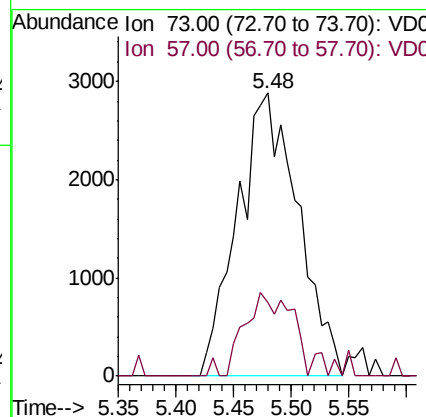
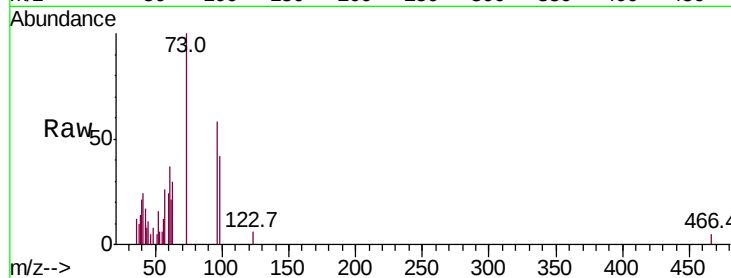




#19
Methvl tert-butvl Ether
Concen: 2.787 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

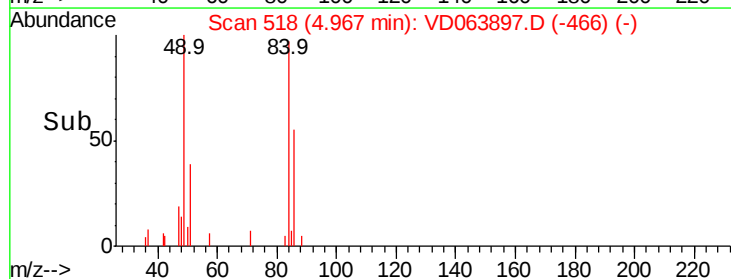
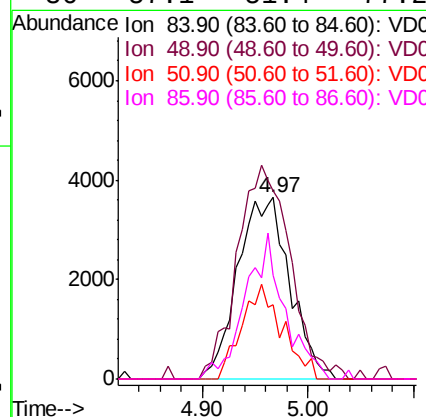
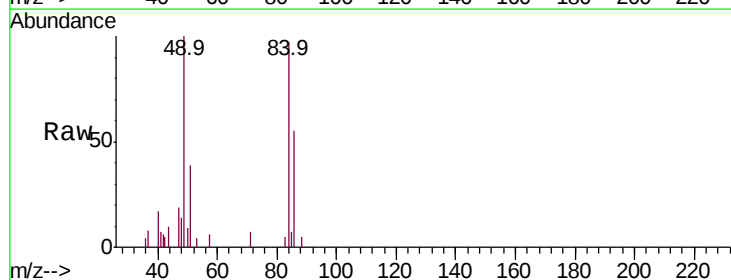
Instrument :
MSVOA_D
ClientSampleId :

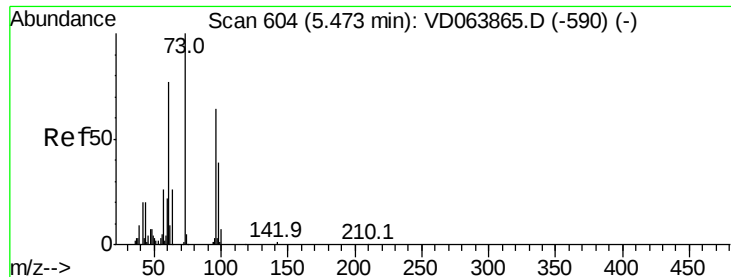
Tot Ion: 73 Resp: 10533
Ion Ratio Lower Upper
73 100
57 26.0 18.1 27.1



#20
Methylene Chloride
Concen: 3.577 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Tgt Ion: 84 Resp: 12477
Ion Ratio Lower Upper
84 100
49 103.6 97.3 145.9
51 40.9 30.1 45.1
86 57.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 2.730 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

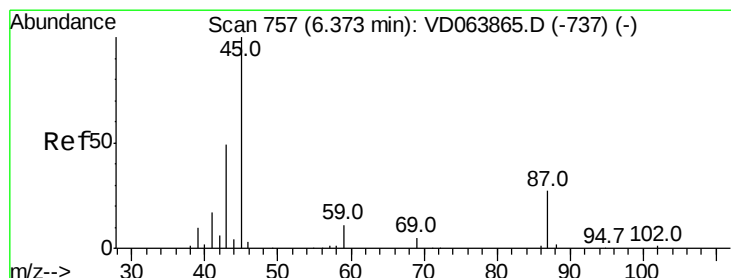
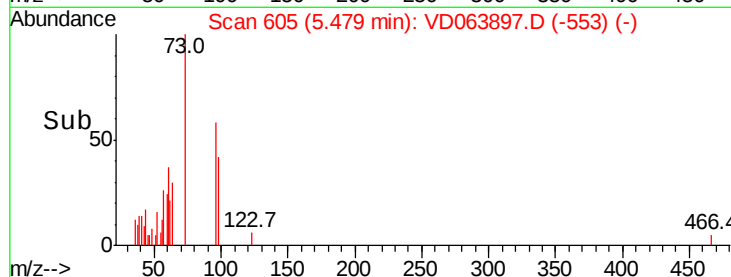
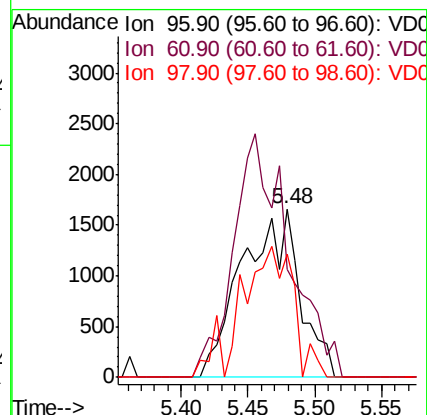
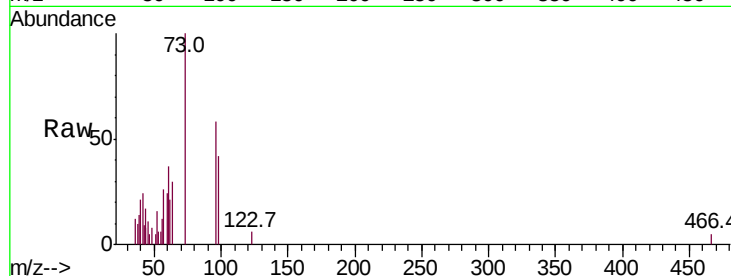
Tot Ion: 96 Resp: 4960

Ion Ratio Lower Upper

96 100

61 64.2 96.6 145.0#

98 73.2 48.7 73.1#



#22

Diisopropyl ether

Concen: 2.642 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Tgt Ion: 45 Resp: 13091

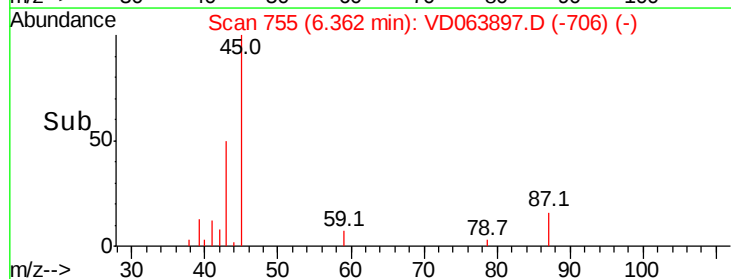
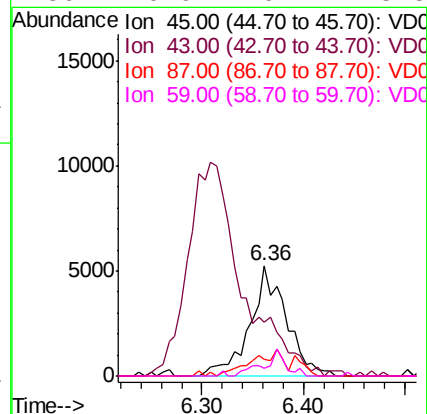
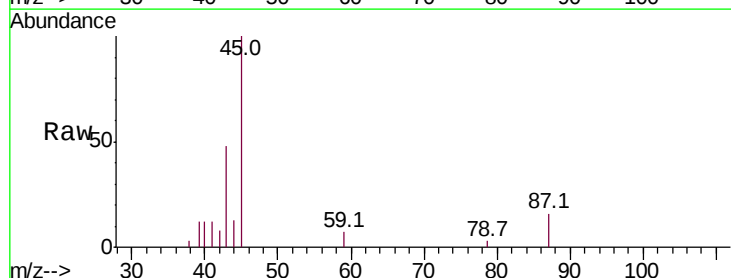
Ion Ratio Lower Upper

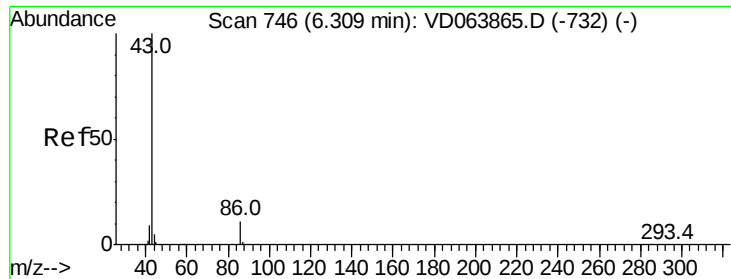
45 100

43 43.8 41.2 61.8

87 15.6 22.2 33.4#

59 6.9 9.2 13.8#





#23

Vinyl Acetate

Concen: 12.764 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

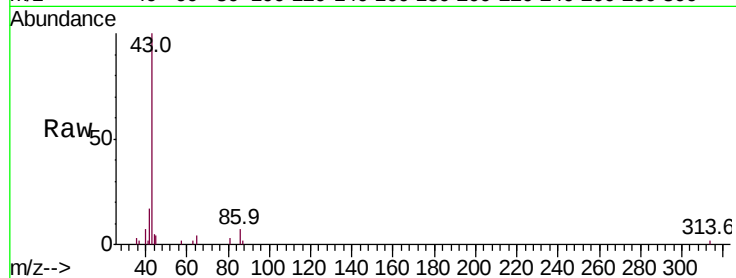
ClientSampleId :

Tot Ion: 43 Resp: 37622

Ion Ratio Lower Upper

43 100

86 6.8 8.8 13.2#

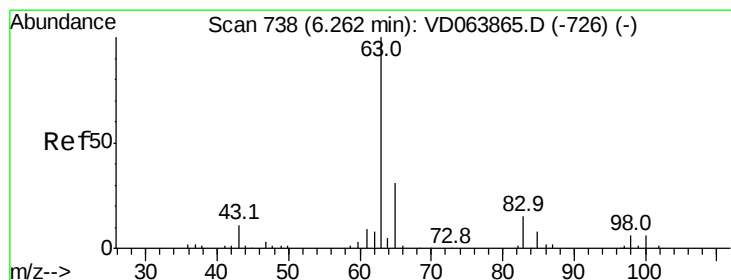
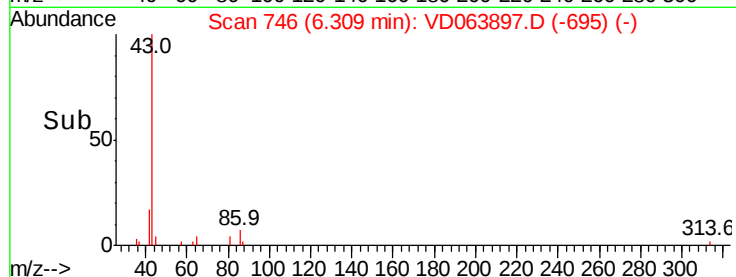


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

Time-->



#24

1,1-Dichloroethane

Concen: 2.880 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

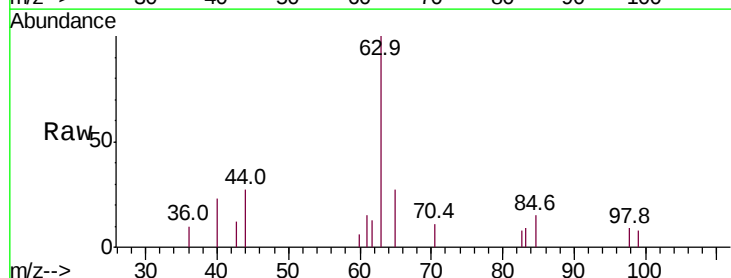
Tgt Ion: 63 Resp: 8791

Ion Ratio Lower Upper

63 100

98 9.1 3.1 9.4

100 0.0 3.0 9.2#



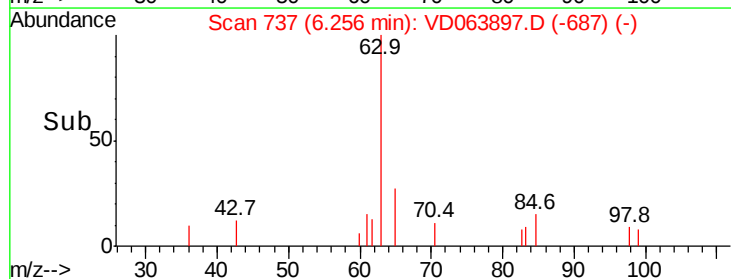
Abundance Ion 62.90 (62.60 to 63.60): VDC

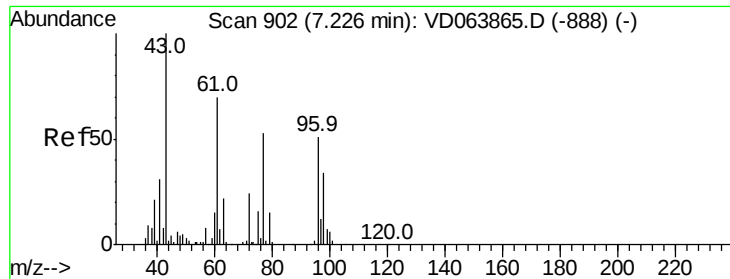
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

Time-->





#25

2-Butanone

Concen: 15.928 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

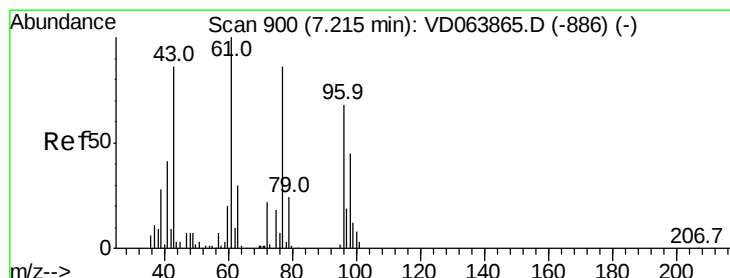
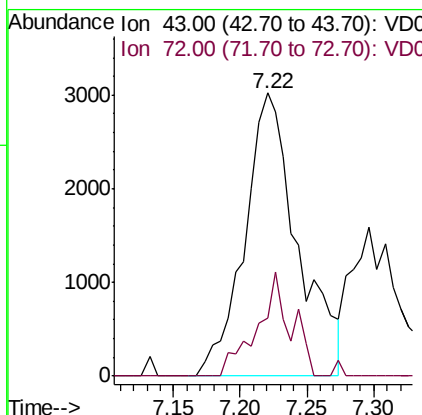
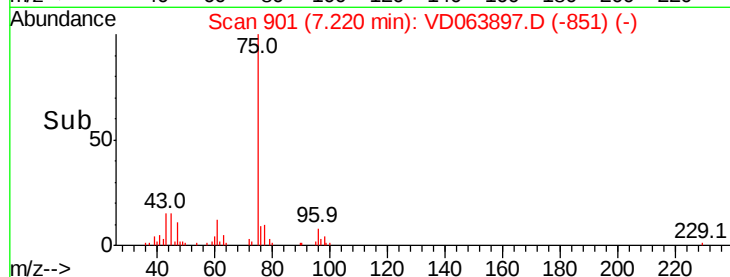
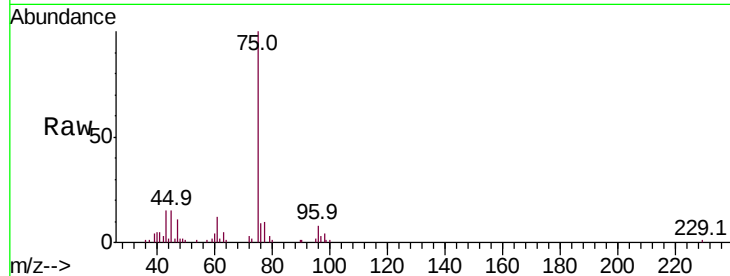
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 8331

Ion Ratio Lower Upper

43 100

72 20.4 19.2 28.8



#26

2,2-Dichloropropane

Concen: 3.386 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD063897.D

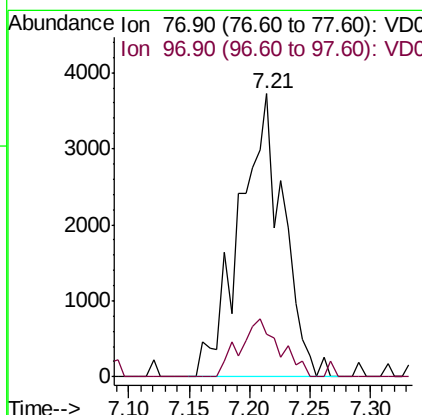
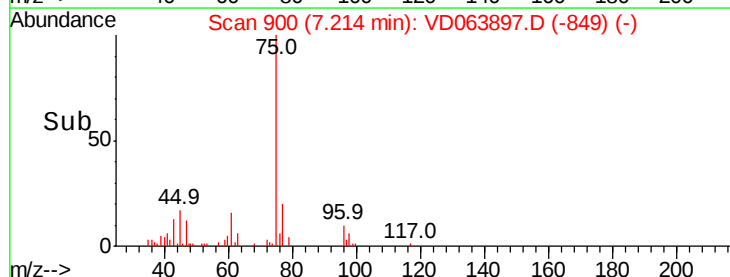
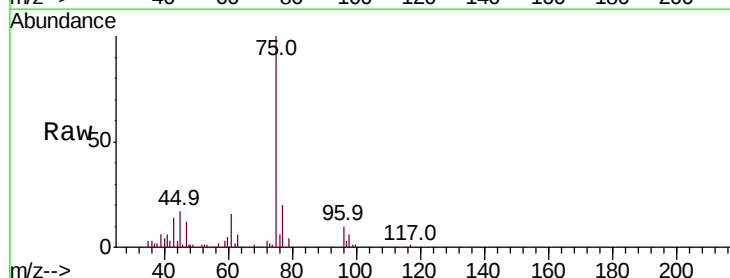
Acq: 07 Oct 2019 13:39

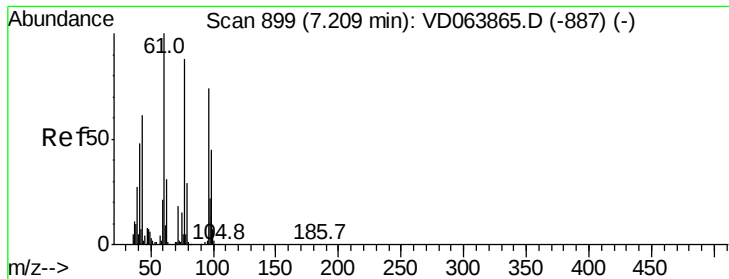
Tgt Ion: 77 Resp: 9348

Ion Ratio Lower Upper

77 100

97 18.6 11.4 34.1



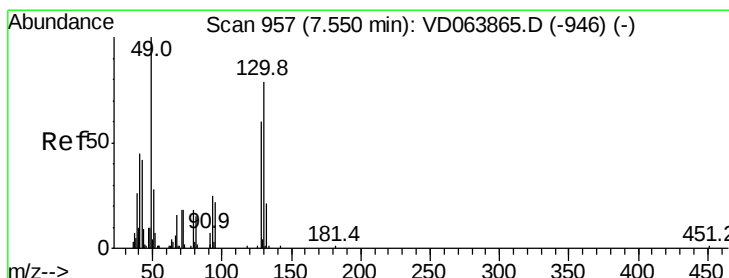
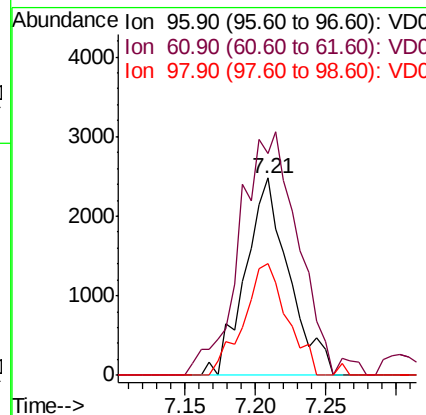
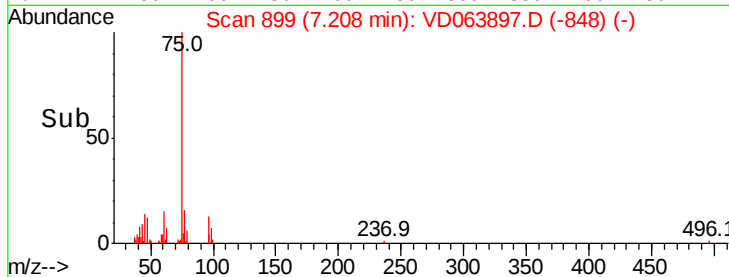
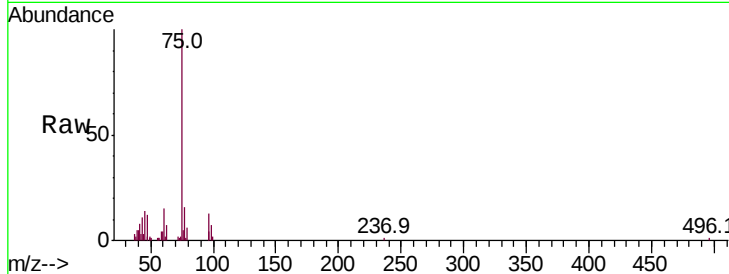


#27

cis-1,2-Dichloroethene
 Concen: 2.610 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063897.D
 Acq: 07 Oct 2019 13:39

Instrument :
 MSVOA_D
 ClientSampleId :

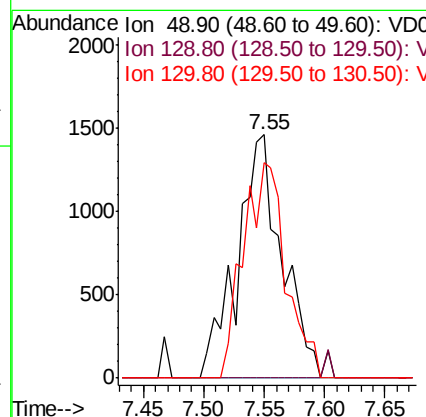
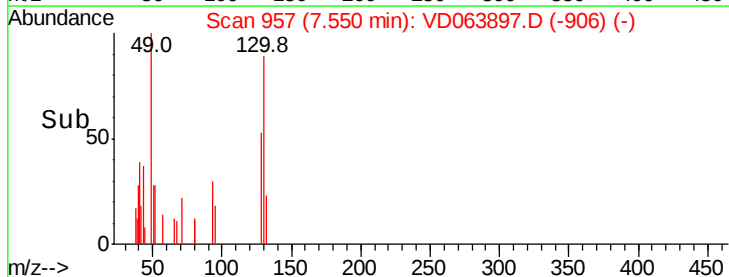
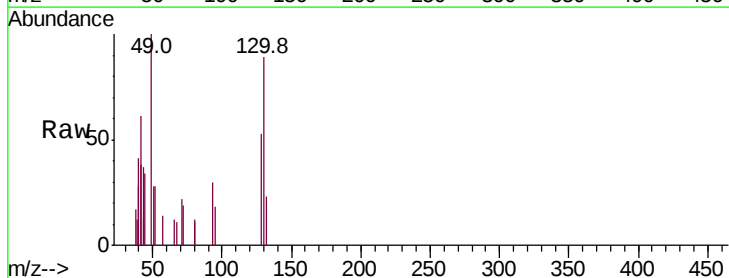
Tot Ion	Ratio	Lower	Upper
96	100		
61	163.8	0.0	280.0
98	56.5	0.0	130.4

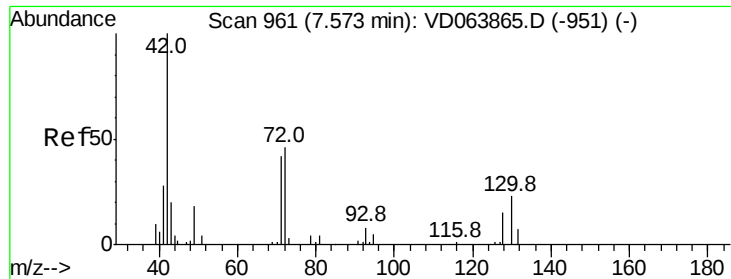


#28

Bromochloromethane
 Concen: 5.009 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD063897.D
 Acq: 07 Oct 2019 13:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	84.0	66.8	100.2

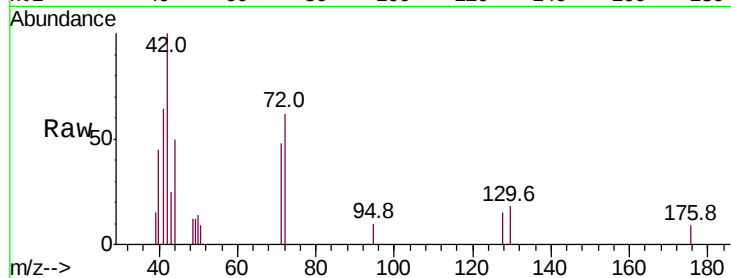




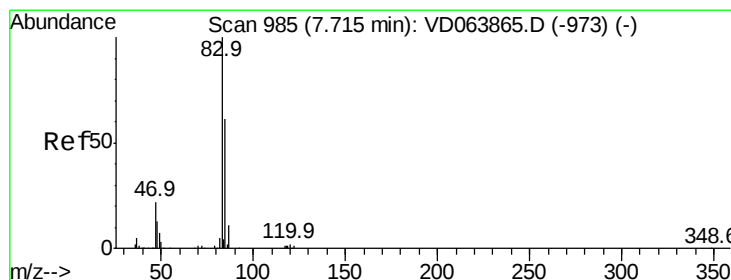
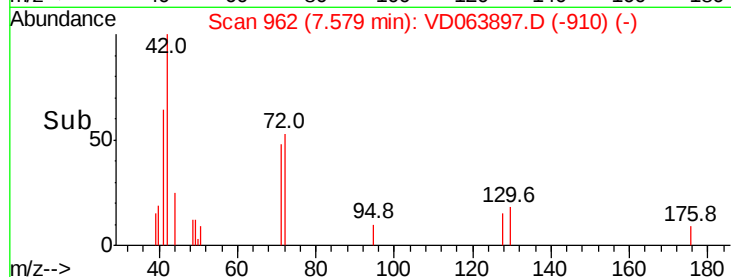
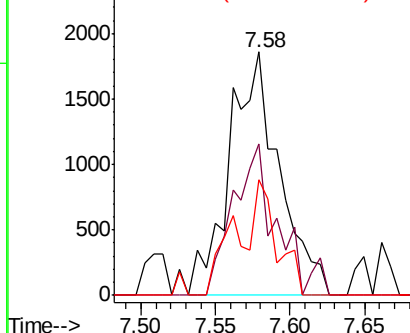
#29
Tetrahydrofuran
Concen: 14.229 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 4344
Ion Ratio Lower Upper
42 100
72 52.6 37.6 56.4
71 20.5 35.0 52.6#

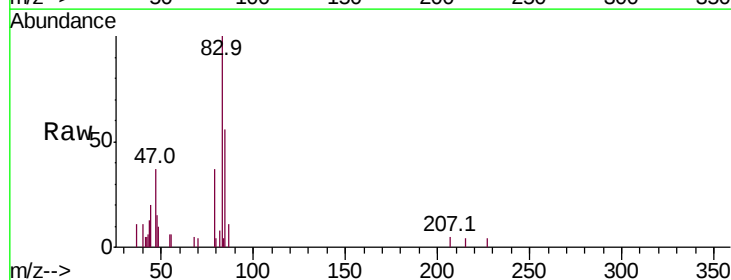


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

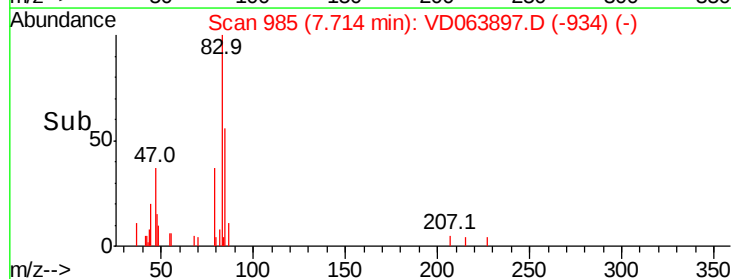
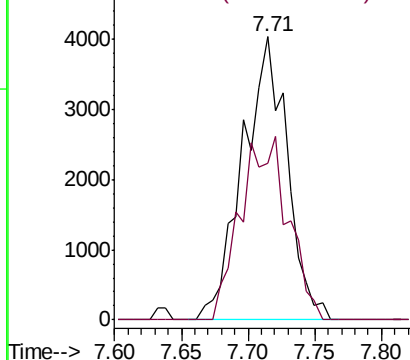


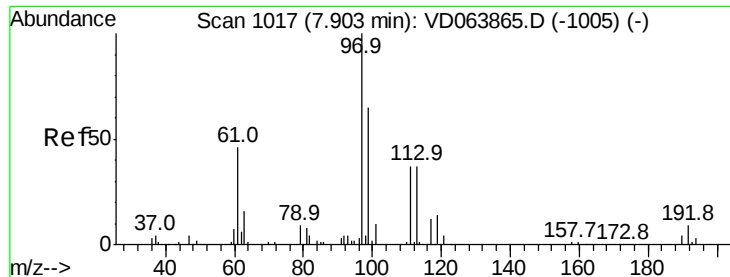
#30
Chloroform
Concen: 2.804 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Tgt Ion: 83 Resp: 9295
Ion Ratio Lower Upper
83 100
85 55.5 48.9 73.3



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





#32

1,1,1-Trichloroethane

Concen: 2.436 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

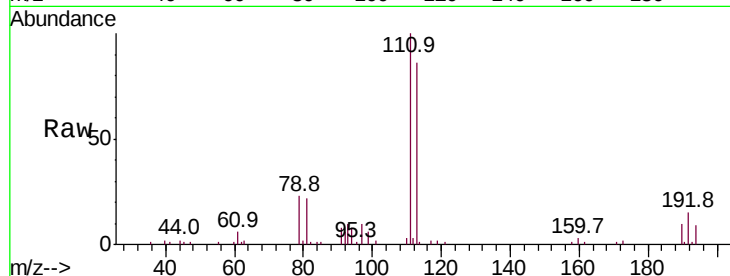
Tot Ion: 97 Resp: 6928

Ion Ratio Lower Upper

97 100

99 74.6 52.4 78.6

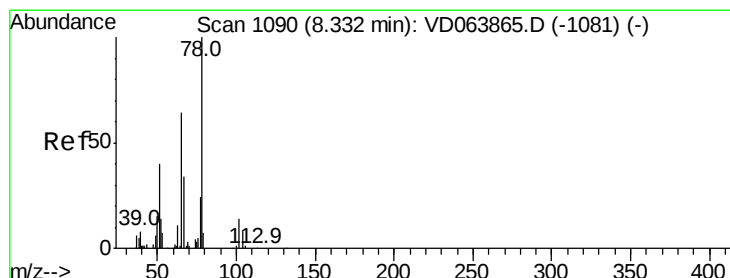
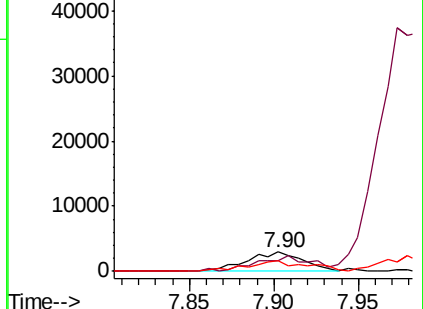
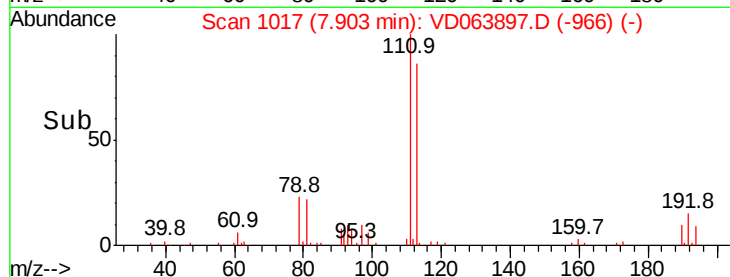
61 55.9 33.8 50.8#



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: 55.321 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063897.D

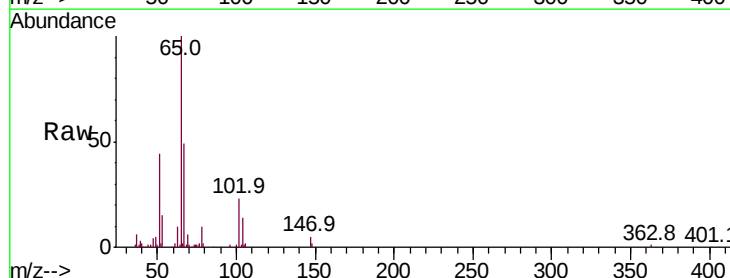
Acq: 07 Oct 2019 13:39

Tgt Ion: 65 Resp: 93779

Ion Ratio Lower Upper

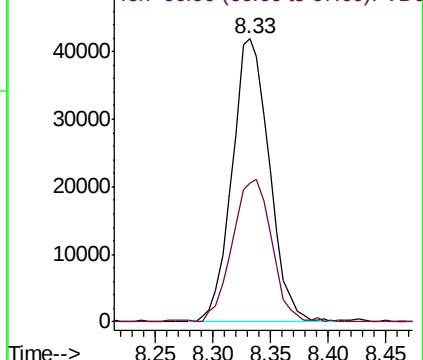
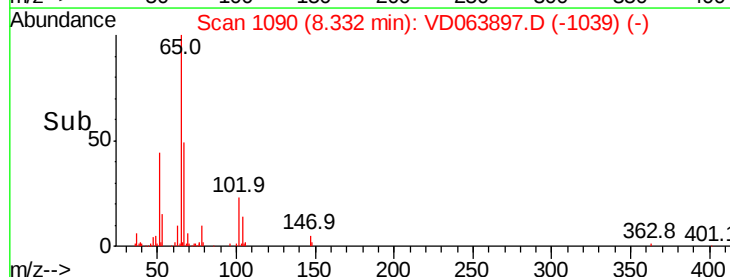
65 100

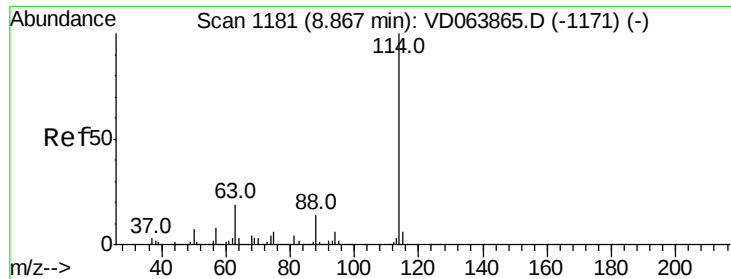
67 53.3 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

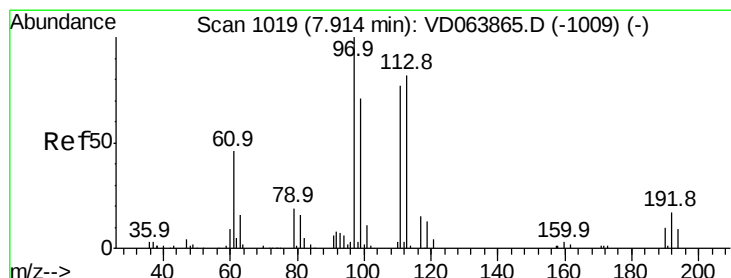
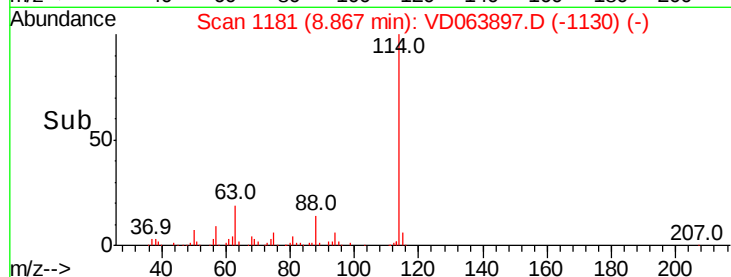
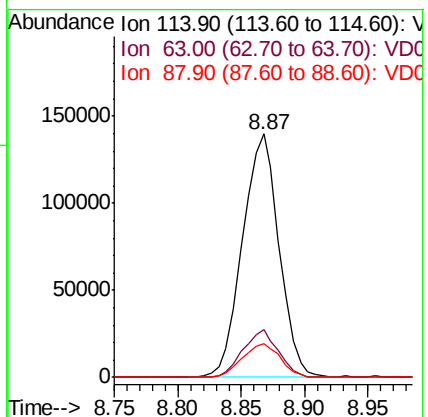
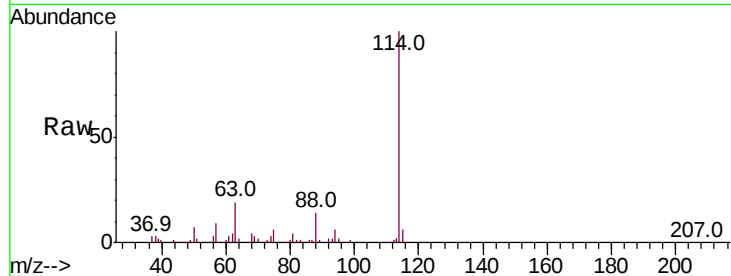




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

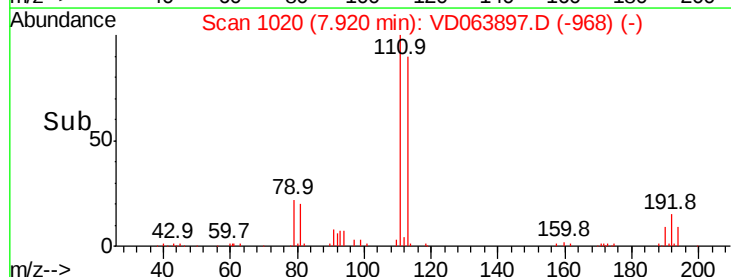
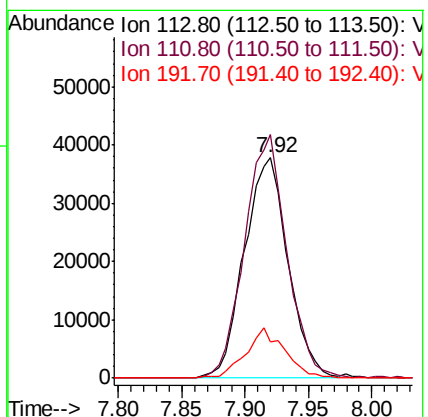
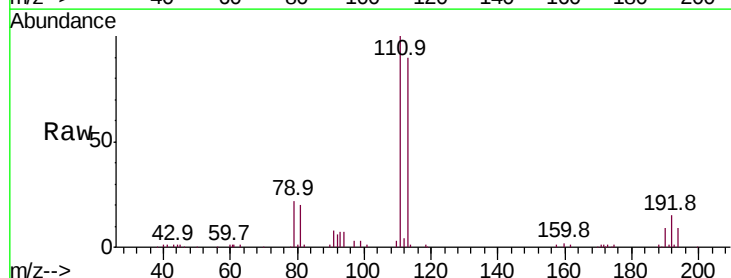
Instrument :
MSVOA_D
ClientSampleId :

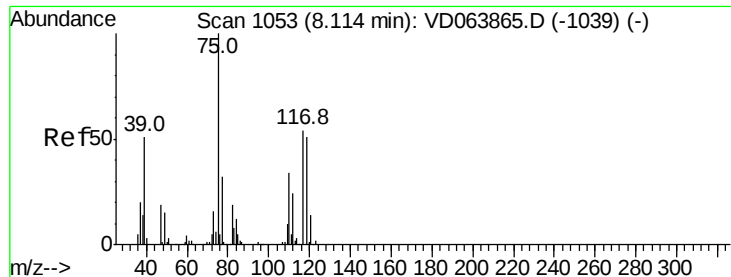
Tot Ion:114 Resp: 280766
Ion Ratio Lower Upper
114 100
63 19.5 0.0 38.4
88 13.9 0.0 27.4



#35
Dibromofluoromethane
Concen: 52.773 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Tgt Ion:113 Resp: 90550
Ion Ratio Lower Upper
113 100
111 106.9 82.6 123.8
192 20.3 17.1 25.7

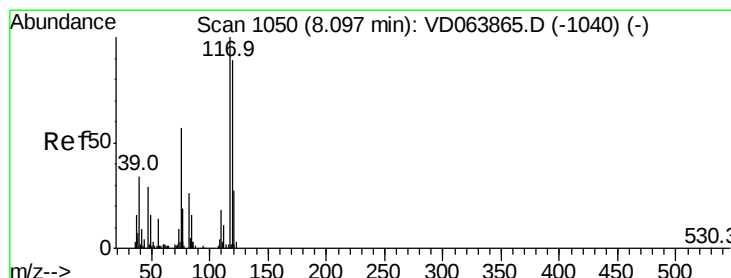
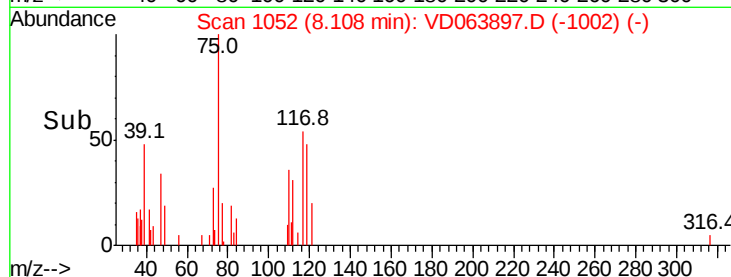
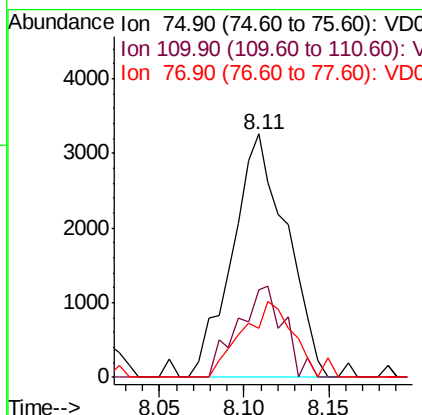
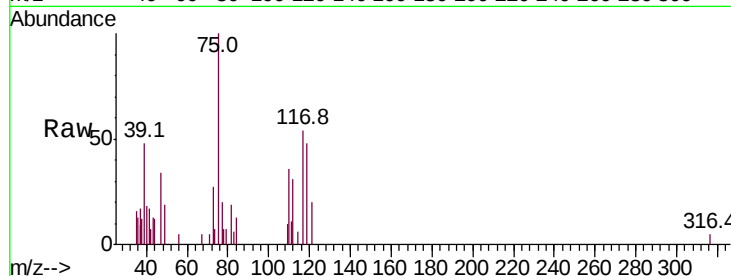




#36
 1,1-Dichloropropene
 Concen: 2.842 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD063897.D
 Acq: 07 Oct 2019 13:39

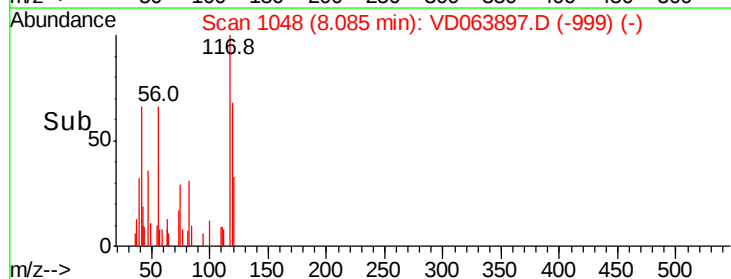
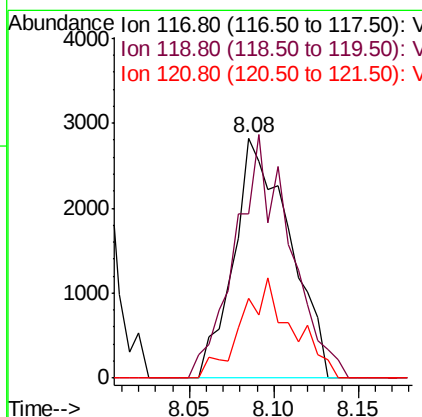
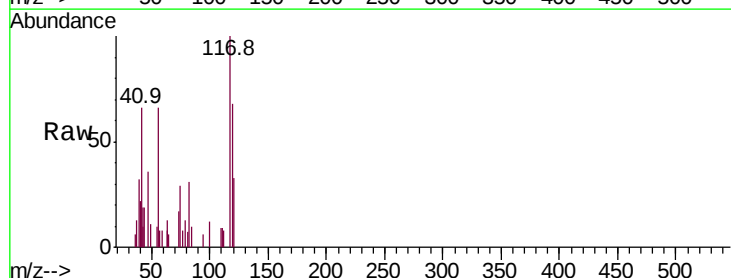
Instrument :
 MSVOA_D
 ClientSampleId :

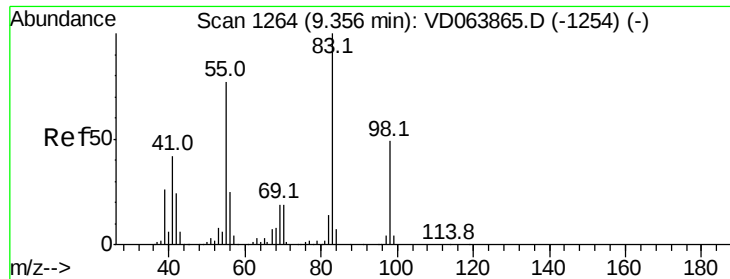
Tot Ion	Ratio	Lower	Upper
75	100		
110	31.7	17.4	52.3
77	30.0	25.4	38.0



#38
 Carbon Tetrachloride
 Concen: 2.494 ug/l
 RT: 8.08 min Scan# 1048
 Delta R.T. -0.01 min
 Lab File: VD063897.D
 Acq: 07 Oct 2019 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	68.3	70.8	106.2#
121	33.4	21.4	32.0#

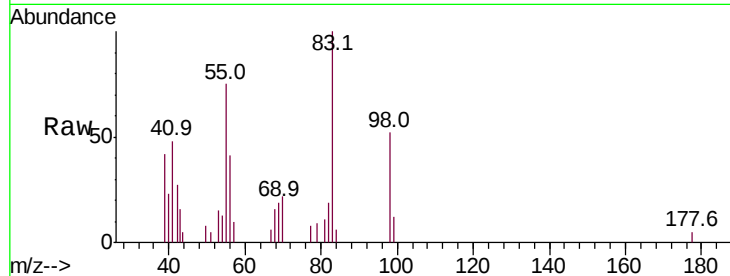




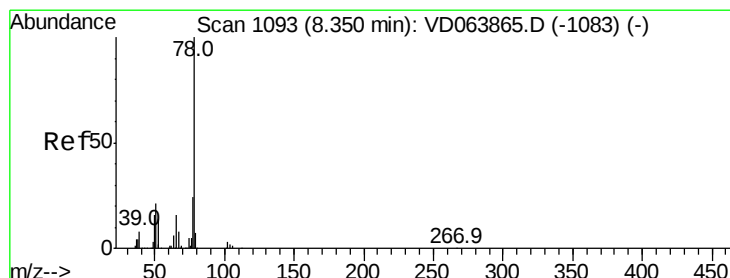
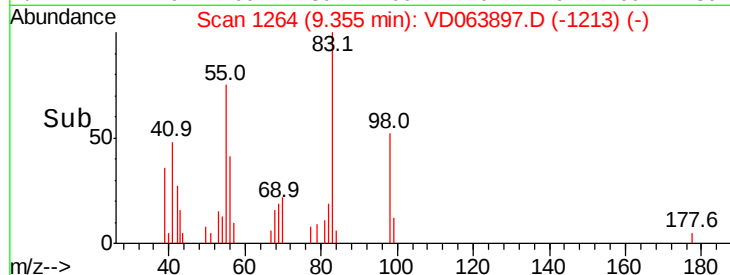
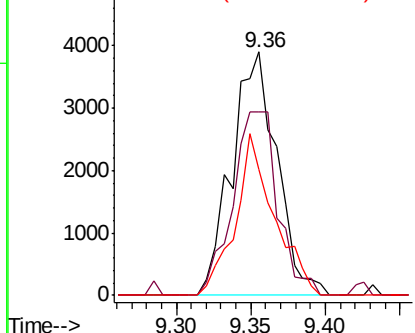
#39
Methvlcvclohexane
Concen: 2.598 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 8199
Ion Ratio Lower Upper
83 100
55 75.3 61.3 91.9
98 51.9 39.3 58.9

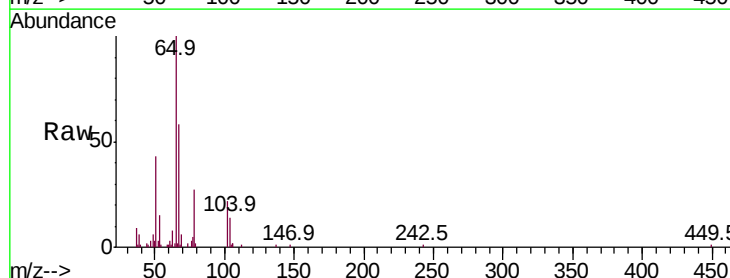


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

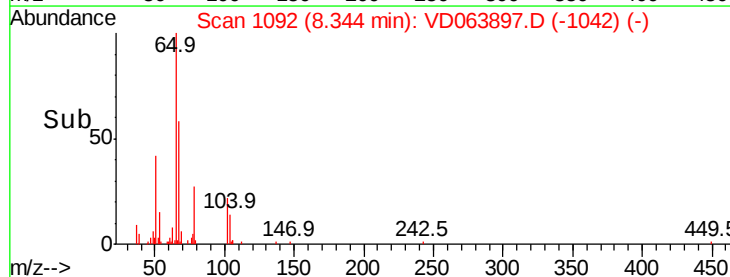
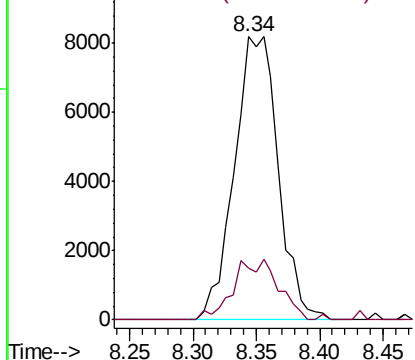


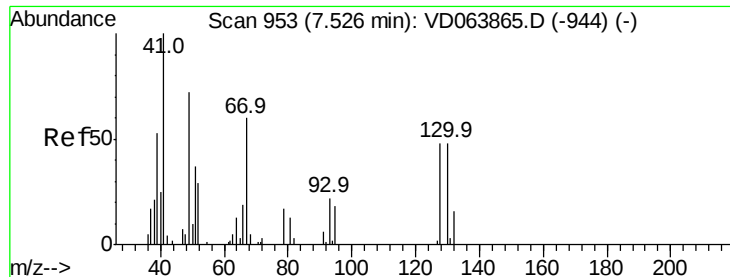
#40
Benzene
Concen: 2.683 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Tgt Ion: 78 Resp: 19741
Ion Ratio Lower Upper
78 100
77 18.3 19.0 28.6#



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

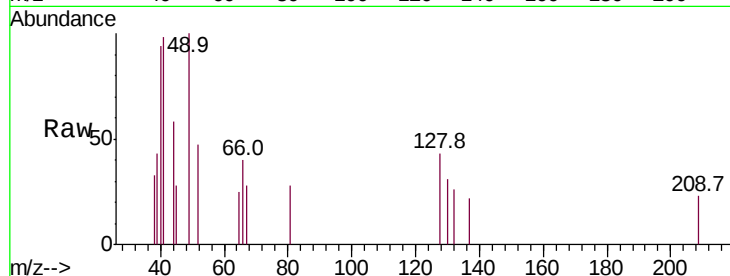




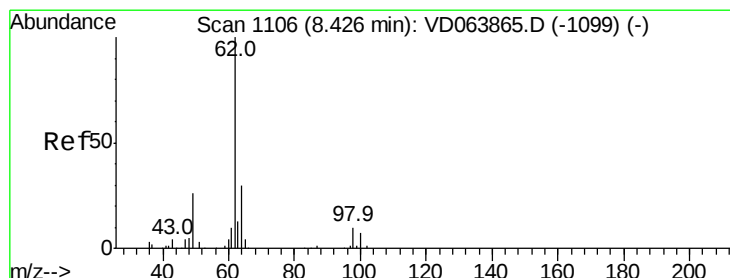
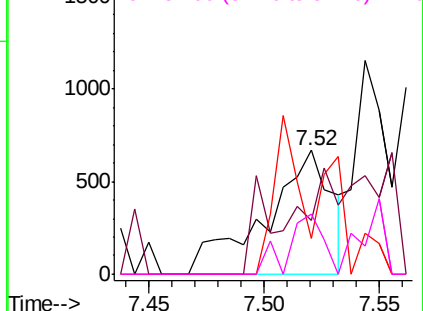
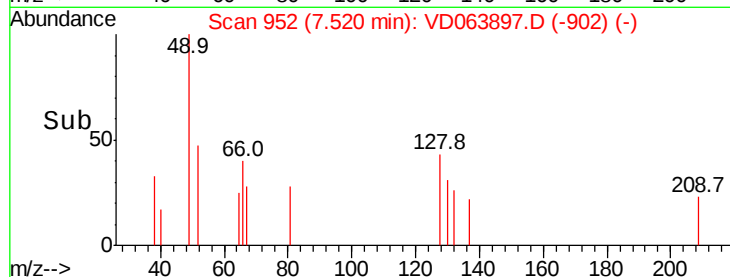
#41
Methacrylonitrile
Concen: 2.243 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 1335
Ion Ratio Lower Upper
41 100
39 17.4 52.6 78.8#
67 41.3 74.2 111.2#
52 25.5 34.0 51.0#

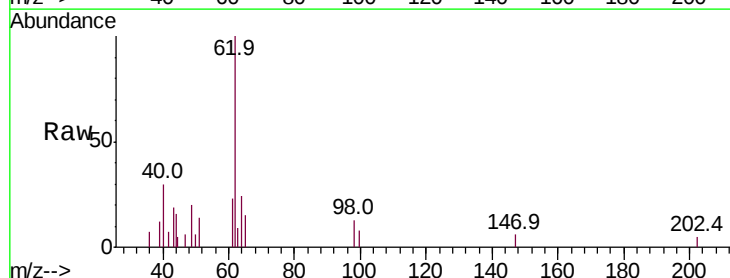


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

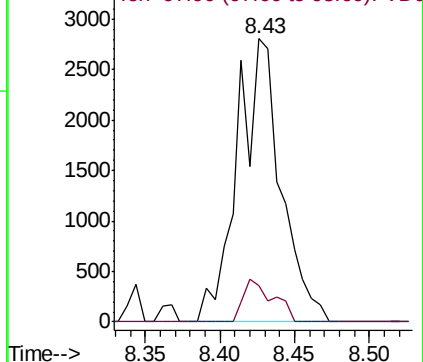
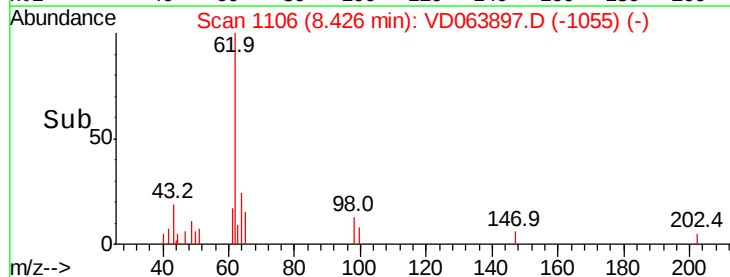


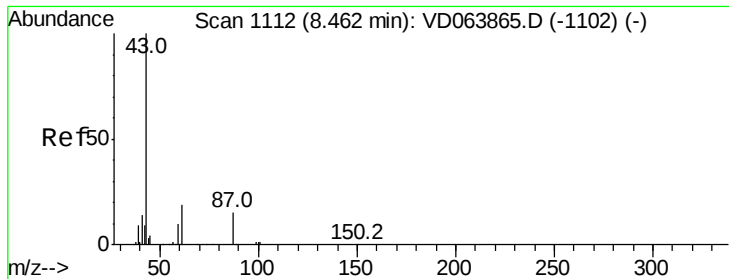
#42
1,2-Dichloroethane
Concen: 2.671 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Tgt Ion: 62 Resp: 5683
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC

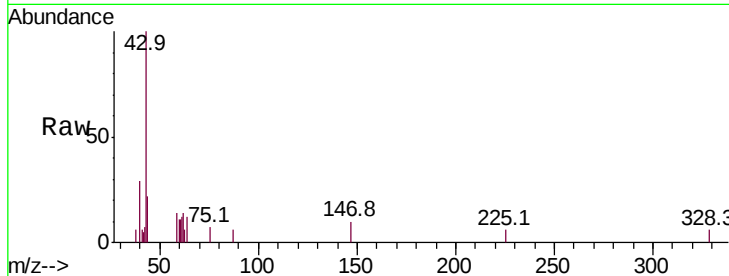




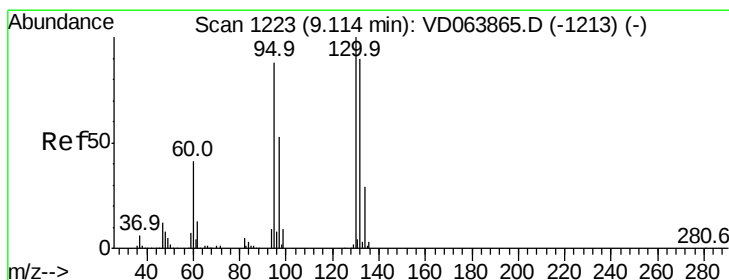
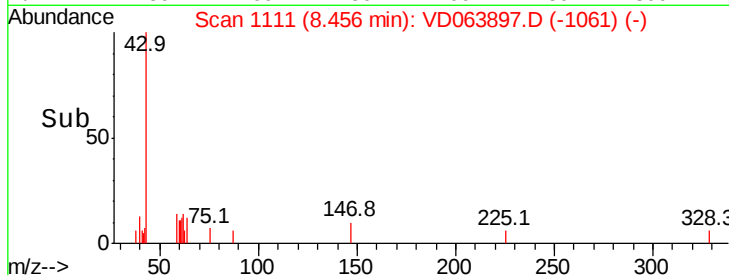
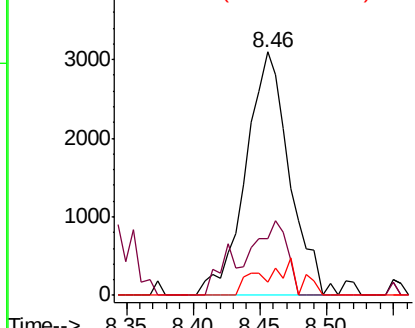
#43
Isopropyl Acetate
Concen: 3.260 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 7018
Ion Ratio Lower Upper
43 100
61 21.4 25.7 38.5#
87 7.6 11.6 17.4#

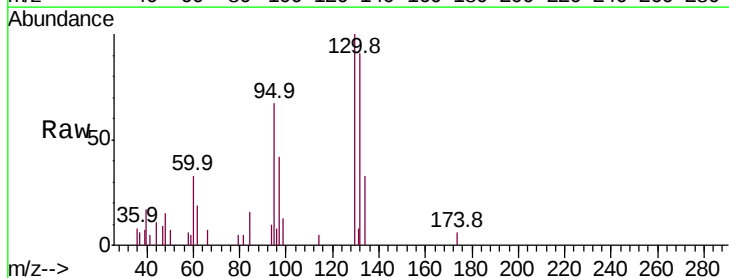


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

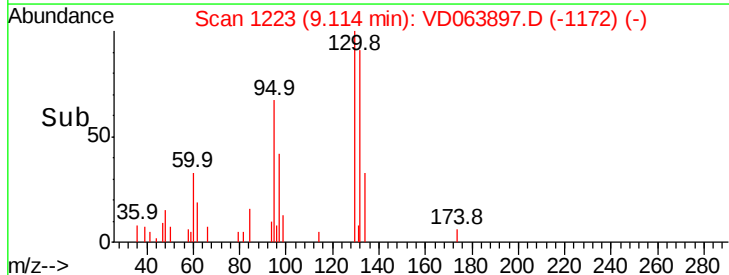
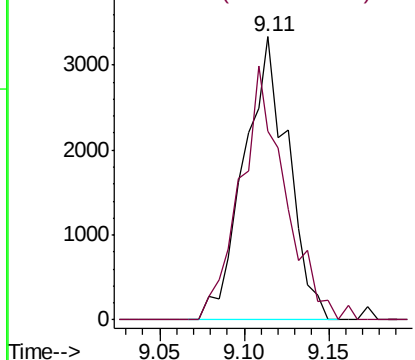


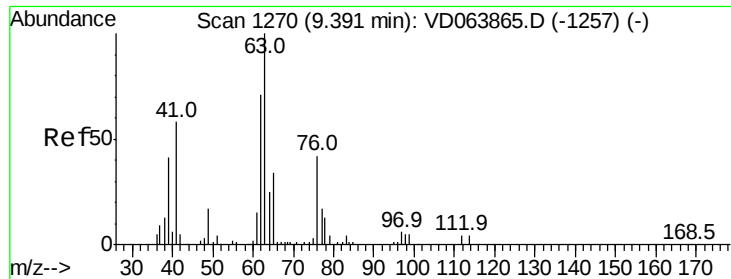
#44
Trichloroethene
Concen: 2.843 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Tgt Ion:130 Resp: 6031
Ion Ratio Lower Upper
130 100
95 66.7 0.0 175.6



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

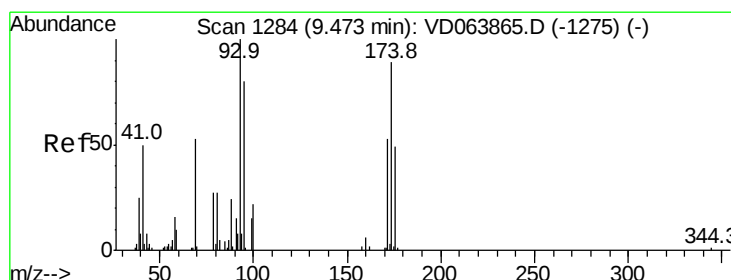
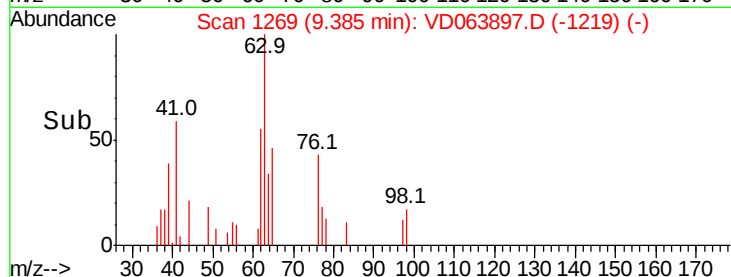
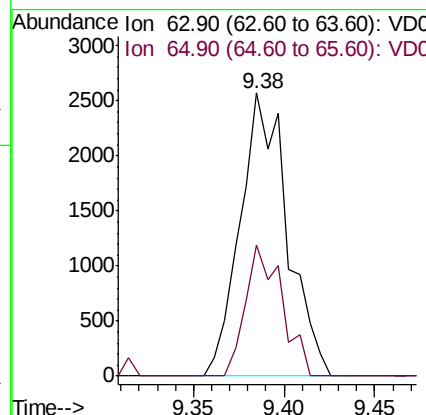
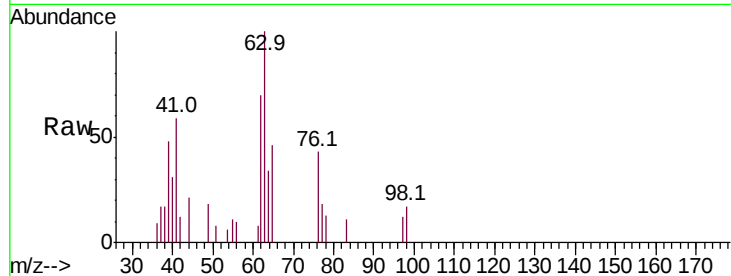




#45
 1,2-Dichloropropane
 Concen: 2.581 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD063897.D
 Acq: 07 Oct 2019 13:39

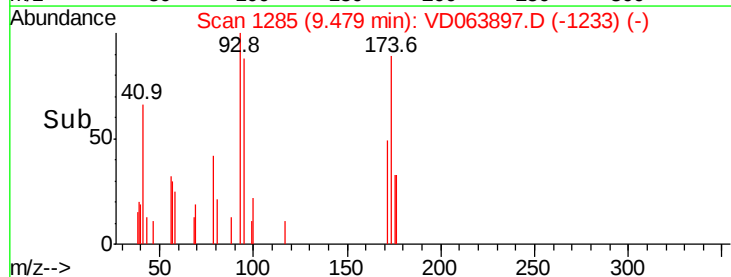
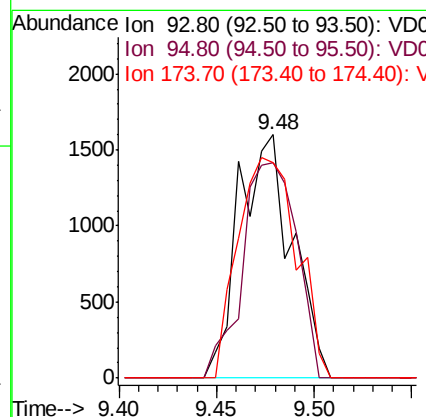
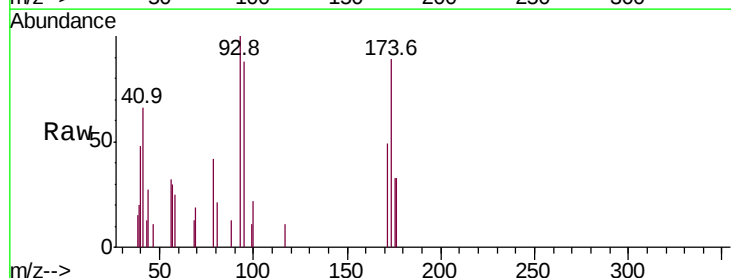
Instrument :
 MSVOA_D
 ClientSampled :

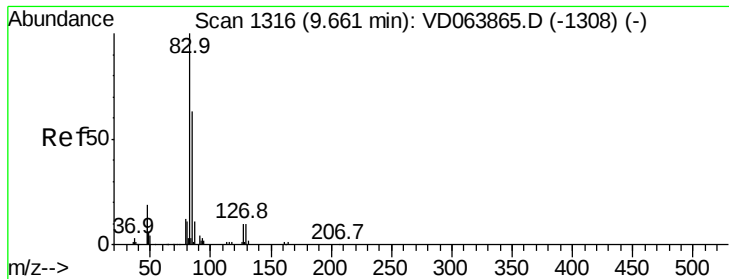
Tot Ion: 63 Resp: 4647
 Ion Ratio Lower Upper
 63 100
 65 46.4 27.3 40.9#



#46
 Dibromomethane
 Concen: 2.968 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063897.D
 Acq: 07 Oct 2019 13:39

Tgt Ion: 93 Resp: 3044
 Ion Ratio Lower Upper
 93 100
 95 89.8 66.0 99.0
 174 100.0 83.4 125.0





#47

Bromodichloromethane

Concen: 2.577 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

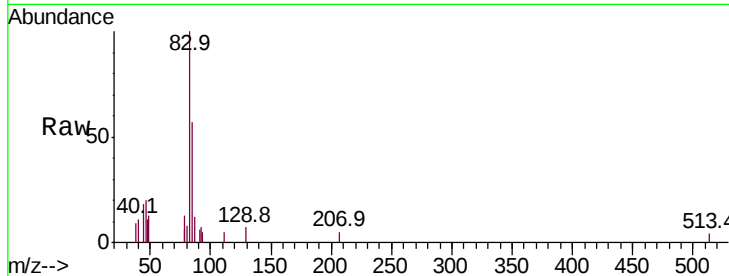
Tot Ion: 83 Resp: 6804

Ion Ratio Lower Upper

83 100

85 57.5 50.2 75.2

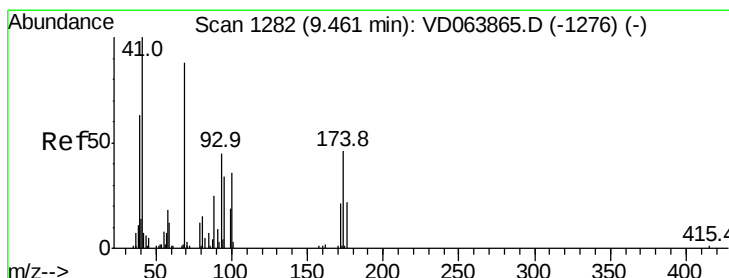
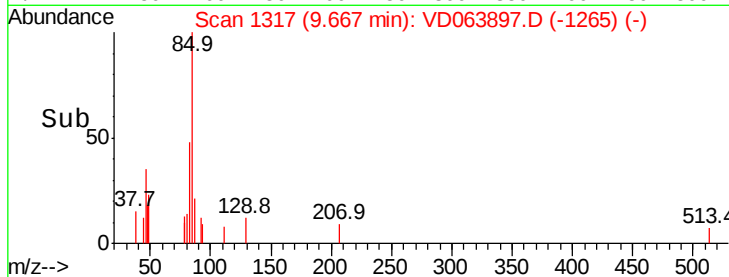
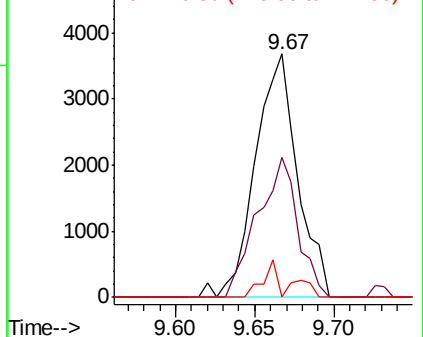
127 0.0 7.6 11.4#



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: 3.404 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

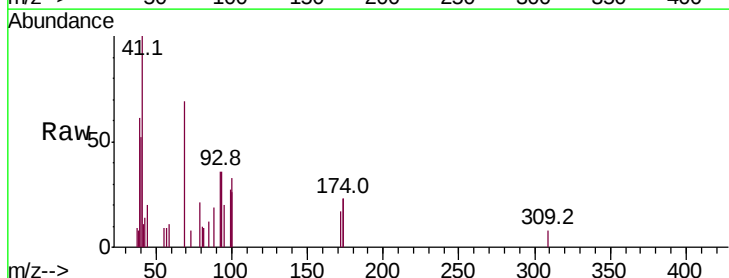
Tgt Ion: 41 Resp: 3511

Ion Ratio Lower Upper

41 100

69 82.2 75.1 112.7

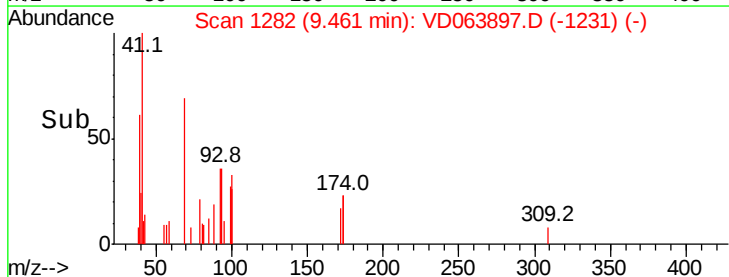
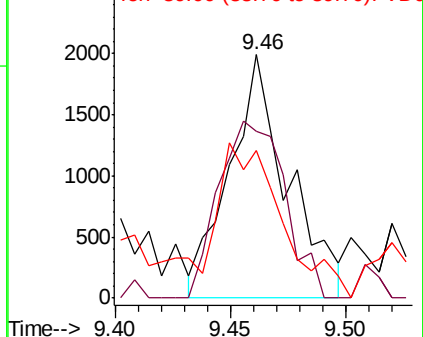
39 67.6 50.2 75.2

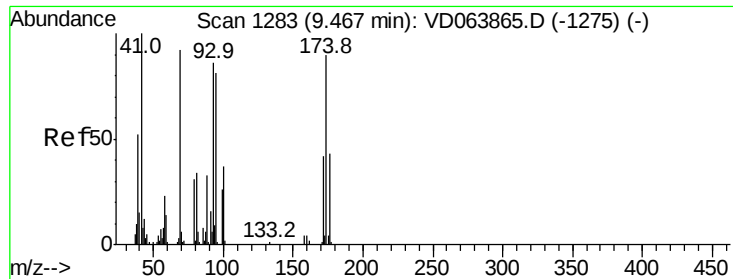


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 62.438 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

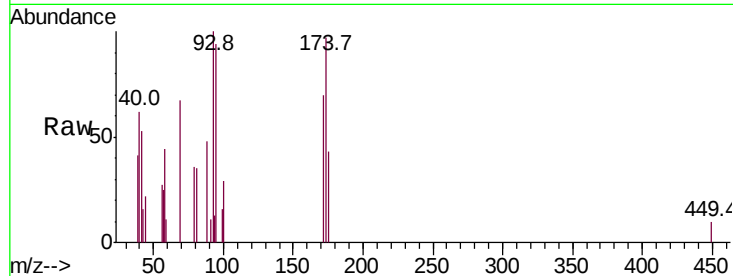
Tot Ion: 88 Resp: 874

Ion Ratio Lower Upper

88 100

43 18.9 27.6 41.4#

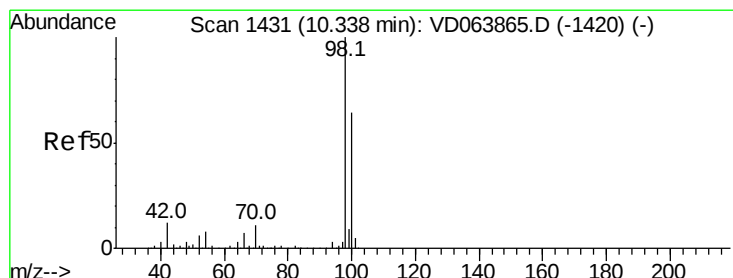
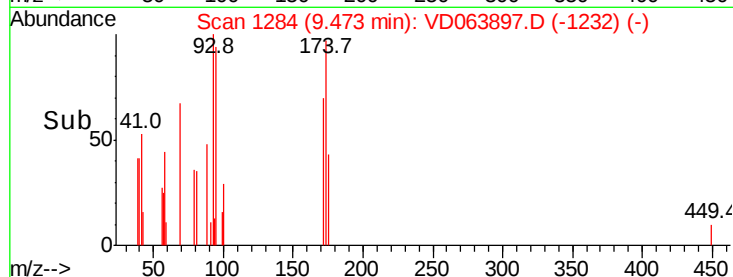
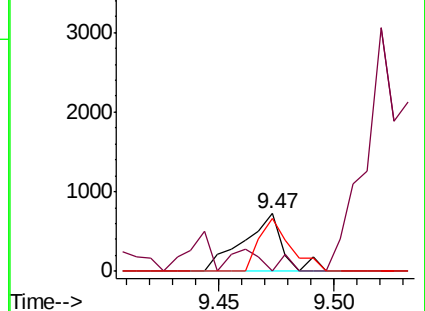
58 72.5 54.1 81.1



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 54.222 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD063897.D

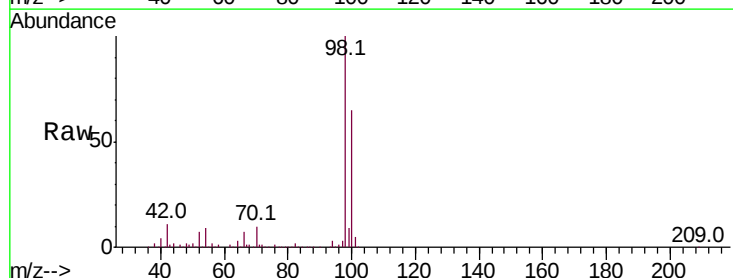
Acq: 07 Oct 2019 13:39

Tgt Ion: 98 Resp: 377618

Ion Ratio Lower Upper

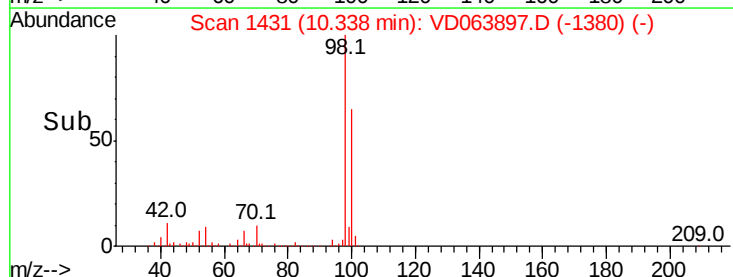
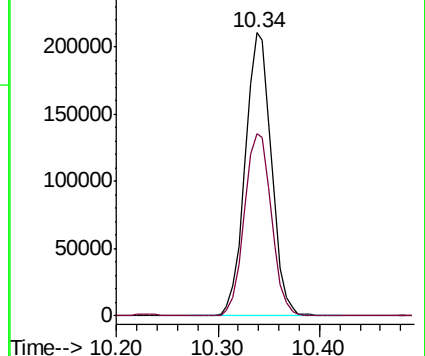
98 100

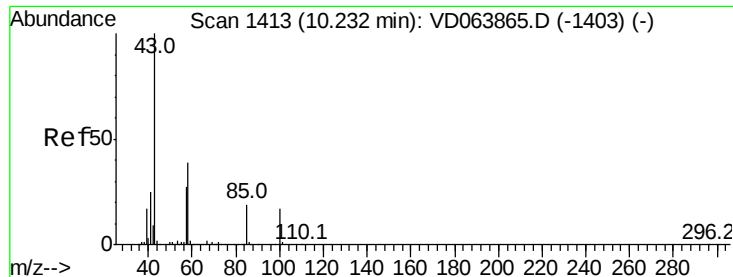
100 66.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 14.704 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

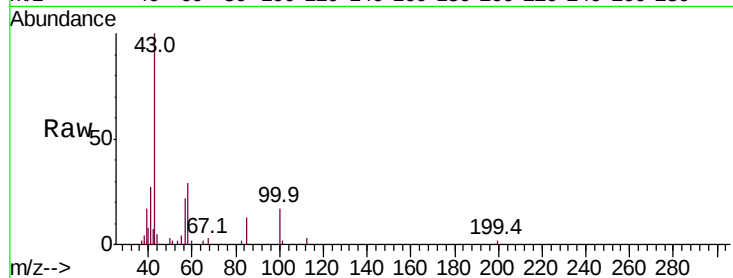
ClientSampled :

Tot Ion: 43 Resp: 16417

Ion Ratio Lower Upper

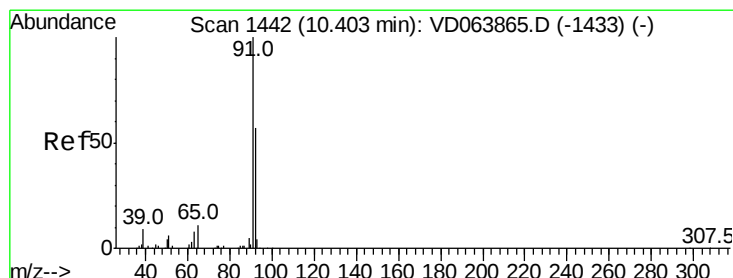
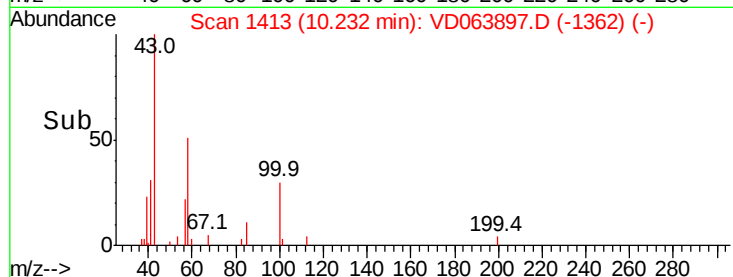
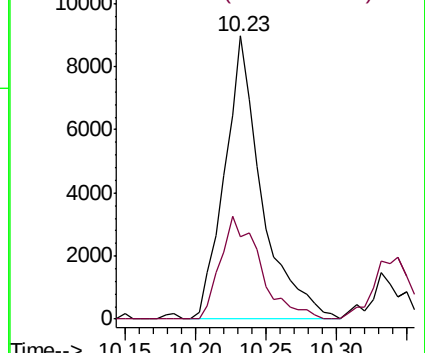
43 100

58 39.4 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 2.552 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD063897.D

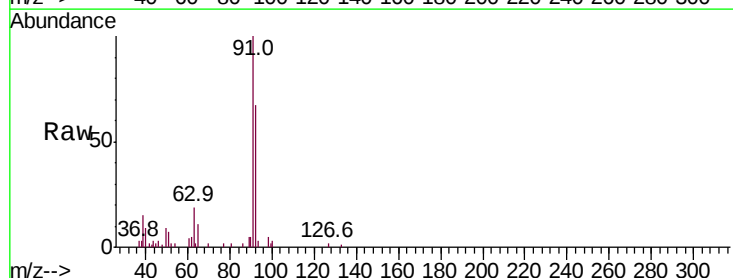
Acq: 07 Oct 2019 13:39

Tgt Ion: 92 Resp: 12889

Ion Ratio Lower Upper

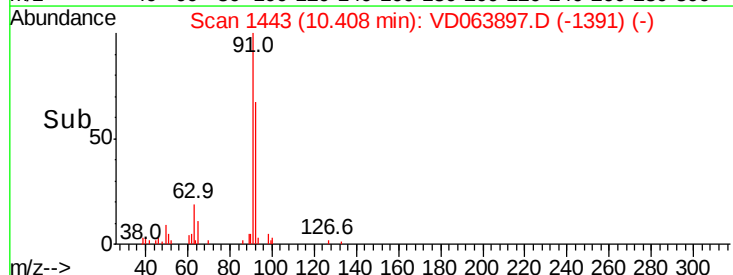
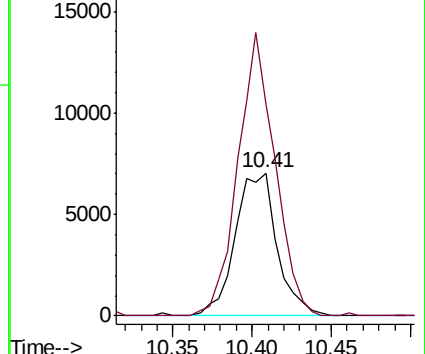
92 100

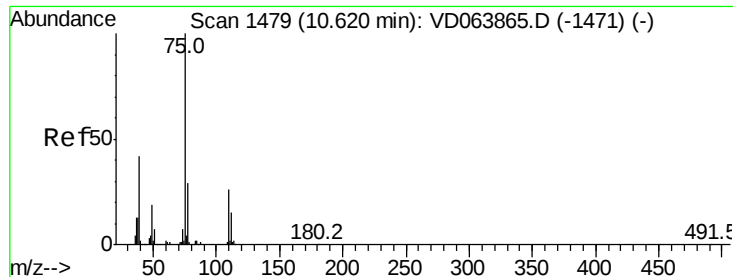
91 174.9 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 2.269 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

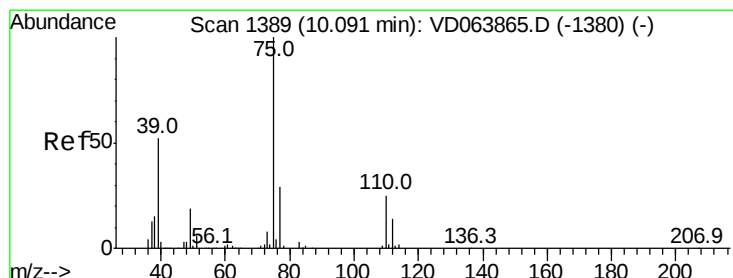
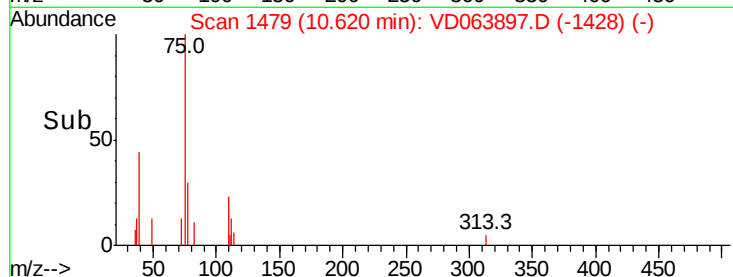
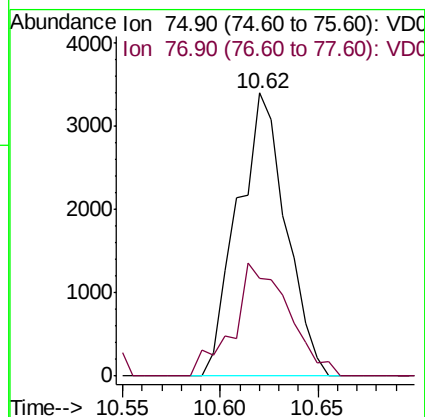
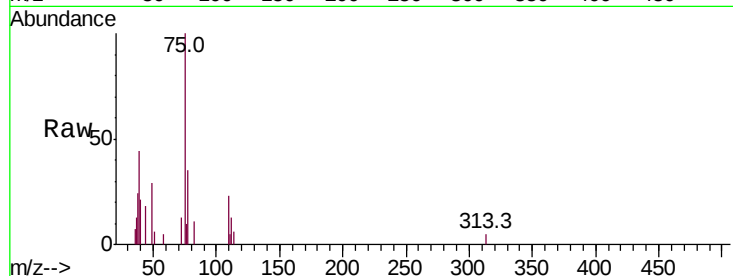
ClientSampleId :

Tot Ion: 75 Resp: 5845

Ion Ratio Lower Upper

75 100

77 34.5 22.8 34.2#



#54

cis-1,3-Dichloropropene

Concen: 2.345 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

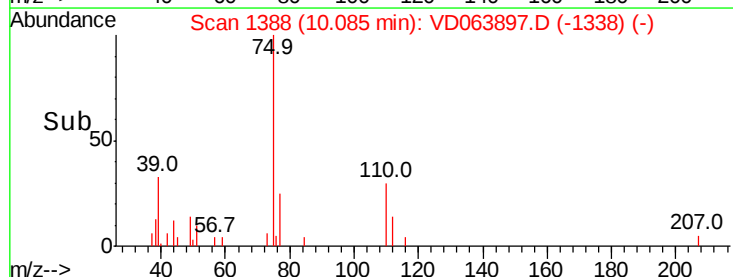
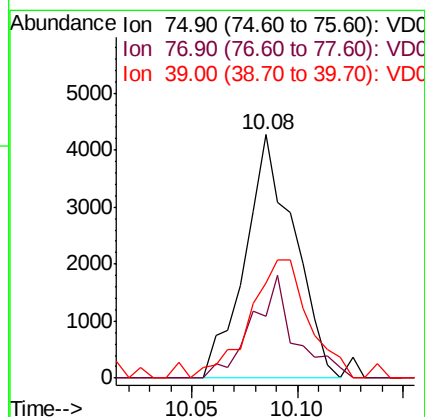
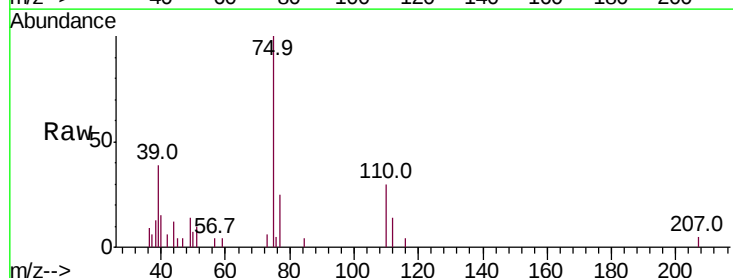
Tgt Ion: 75 Resp: 6954

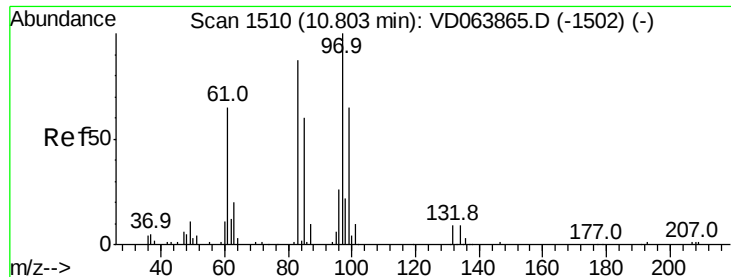
Ion Ratio Lower Upper

75 100

77 25.2 23.2 34.8

39 39.2 41.5 62.3#

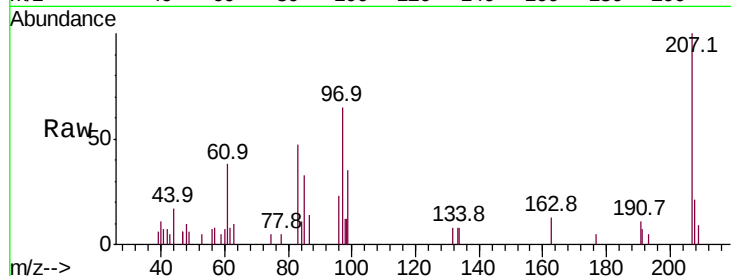




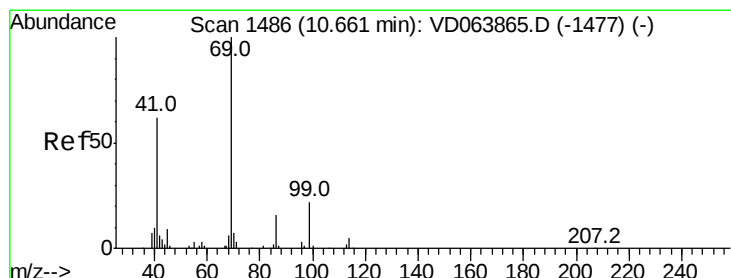
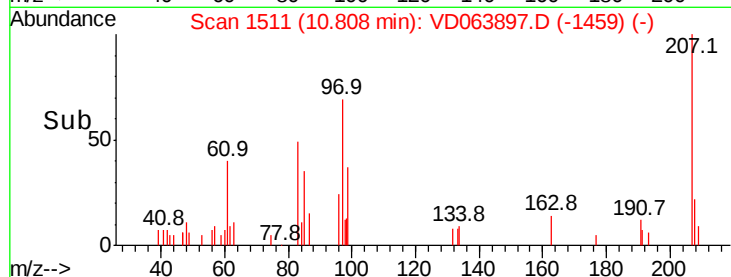
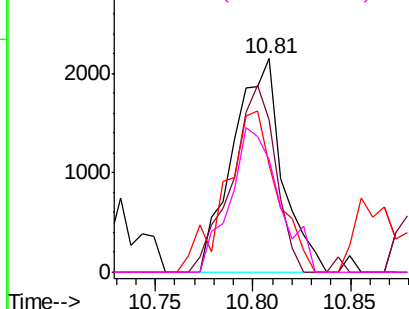
#55
 1,1,2-Trichloroethane
 Concen: 2.585 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD063897.D
 Acq: 07 Oct 2019 13:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	3743
Ion	Ratio	Lower	Upper
97	100		
83	71.3	69.7	104.5
85	50.5	48.1	72.1
99	53.0	51.9	77.9

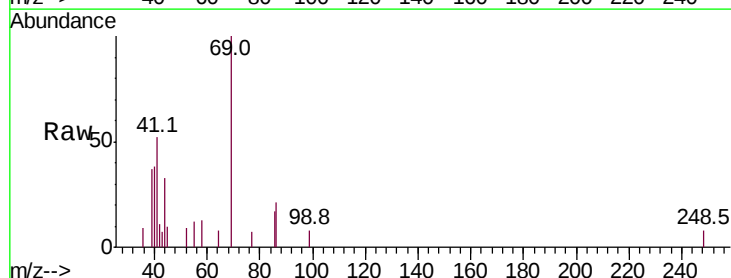


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

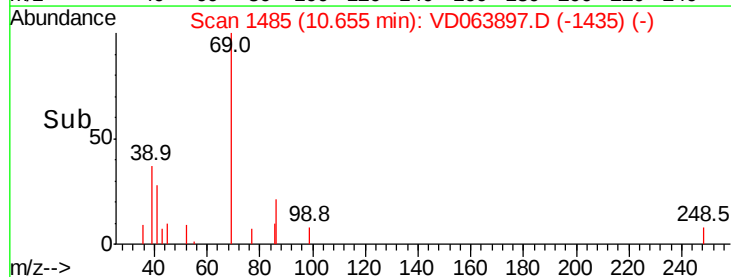
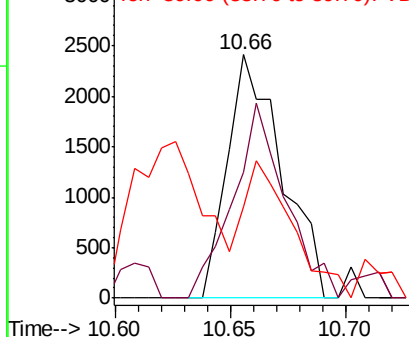


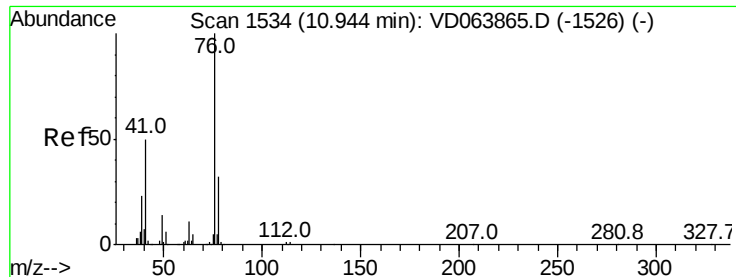
#56
 Ethyl methacrylate
 Concen: 2.157 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD063897.D
 Acq: 07 Oct 2019 13:39

Tgt Ion:	69	Resp:	3956
Ion	Ratio	Lower	Upper
69	100		
41	77.6	51.3	76.9#
39	50.9	28.0	42.0#



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: 2.464 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

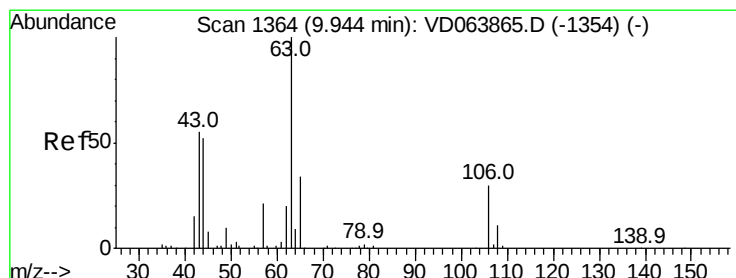
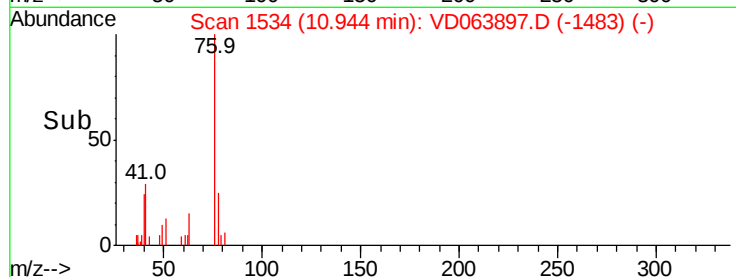
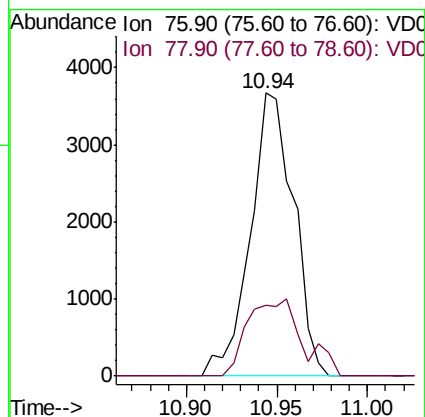
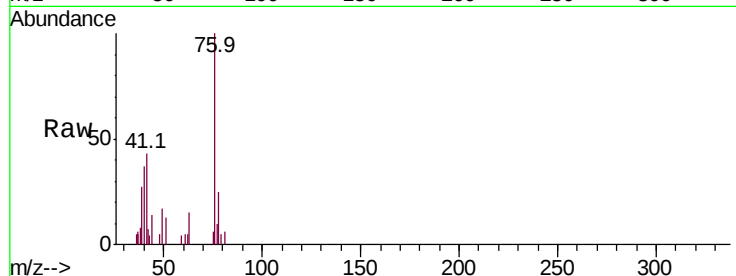
ClientSampleId :

Tot Ion: 76 Resp: 6104

Ion Ratio Lower Upper

76 100

78 34.5 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 12.188 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD063897.D

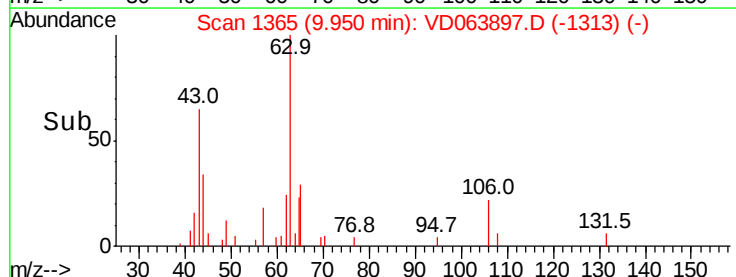
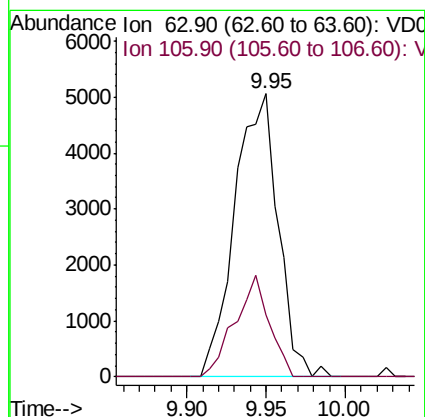
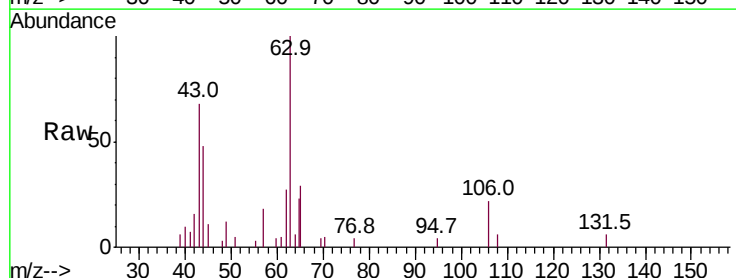
Acq: 07 Oct 2019 13:39

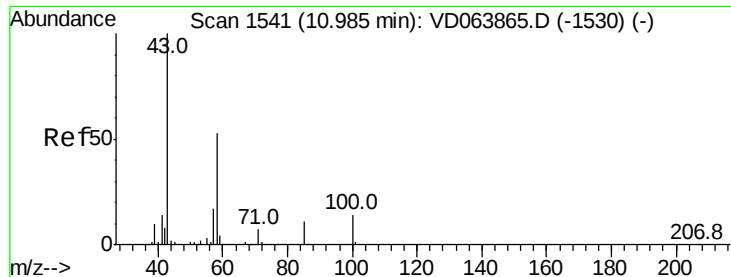
Tgt Ion: 63 Resp: 9606

Ion Ratio Lower Upper

63 100

106 28.4 24.3 36.5

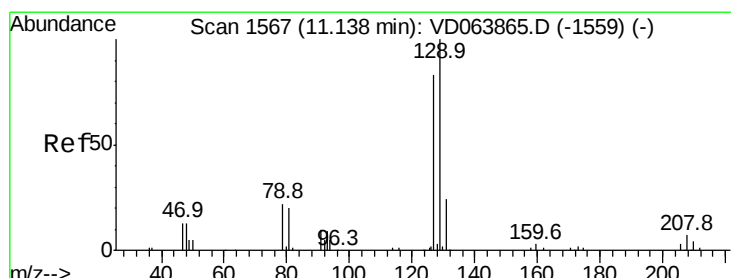
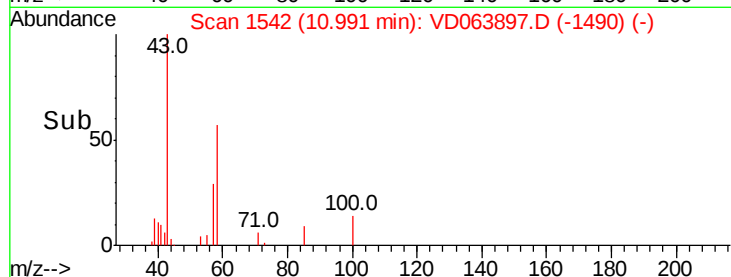
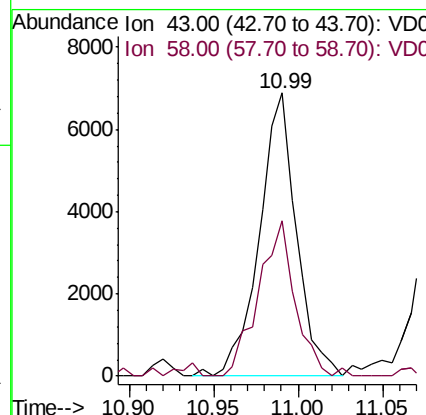
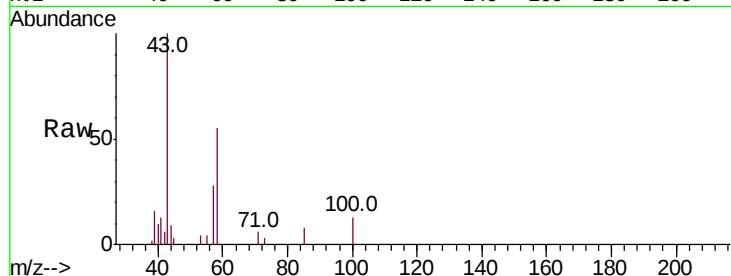




#59
2-Hexanone
Concen: 13.000 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

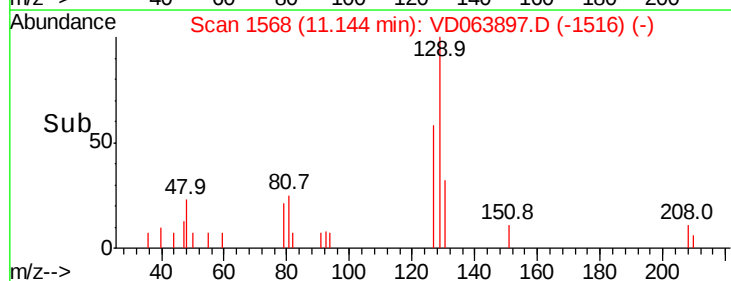
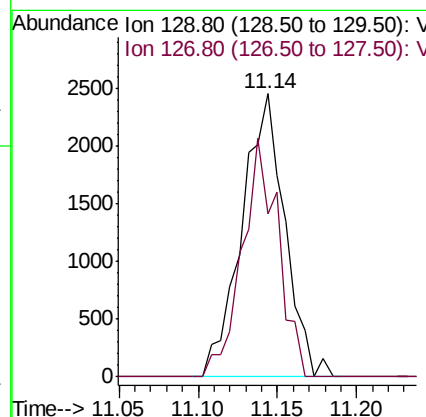
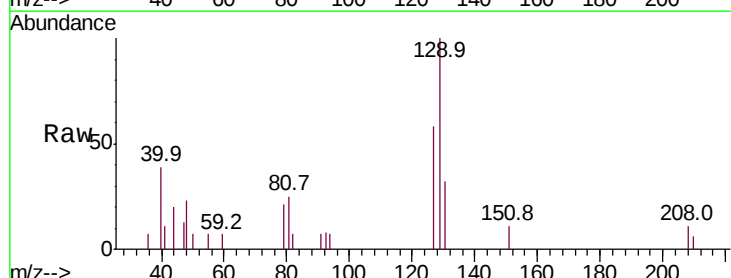
Instrument :
MSVOA_D
ClientSampleId :

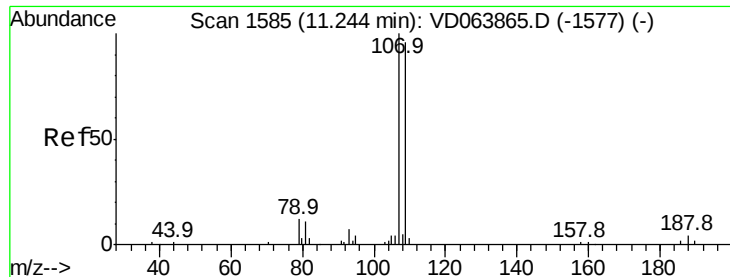
Tot Ion: 43 Resp: 10500
Ion Ratio Lower Upper
43 100
58 54.5 27.7 83.0



#60
Dibromochloromethane
Concen: 2.455 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Tgt Ion:129 Resp: 4628
Ion Ratio Lower Upper
129 100
127 70.2 39.9 119.6

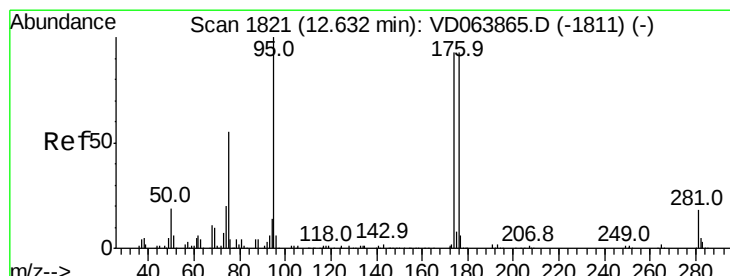
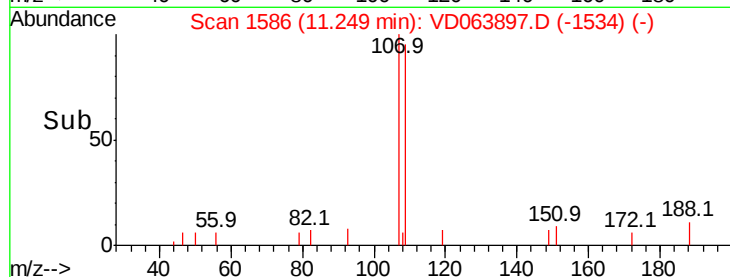
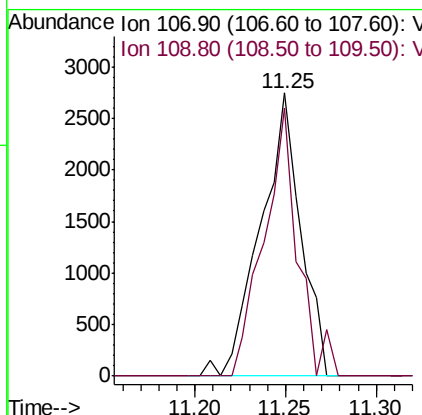
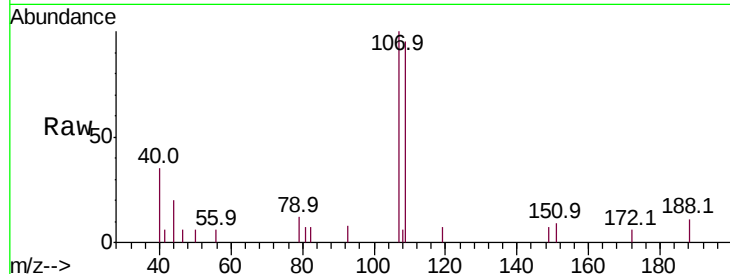




#61
 1,2-Dibromoethane
 Concen: 3.008 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063897.D
 Acq: 07 Oct 2019 13:39

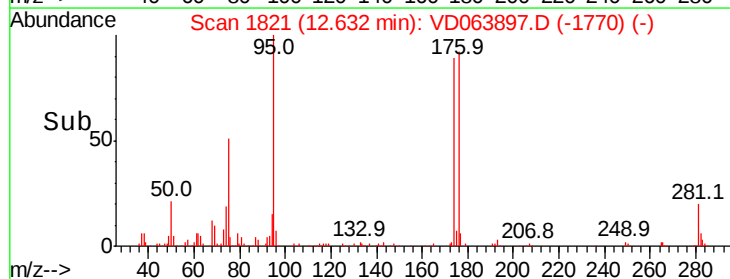
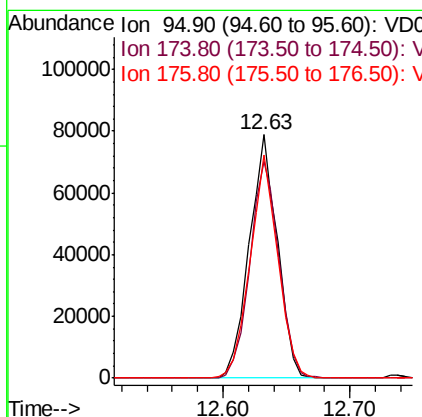
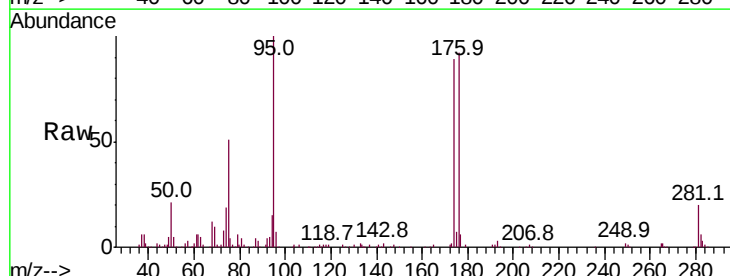
Instrument :
 MSVOA_D
 ClientSampleId :

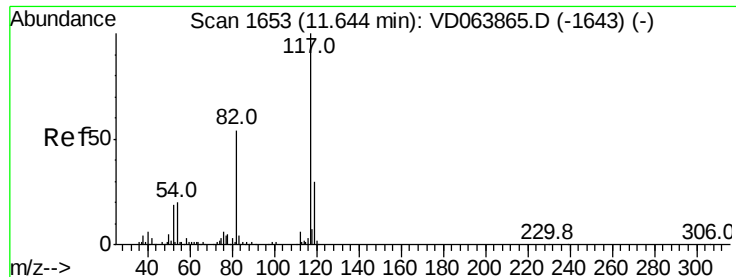
Tot Ion:107 Resp: 4223
 Ion Ratio Lower Upper
 107 100
 109 79.7 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 50.357 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063897.D
 Acq: 07 Oct 2019 13:39

Tgt Ion: 95 Resp: 121869
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 186.4
 176 91.0 0.0 184.2

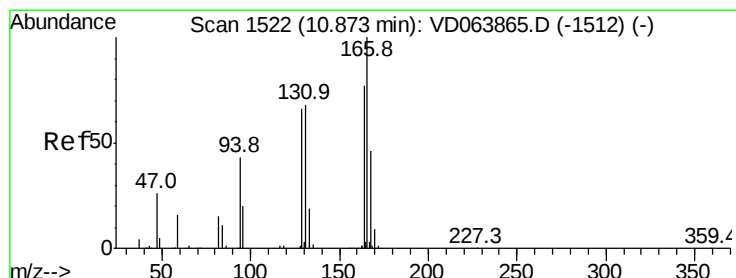
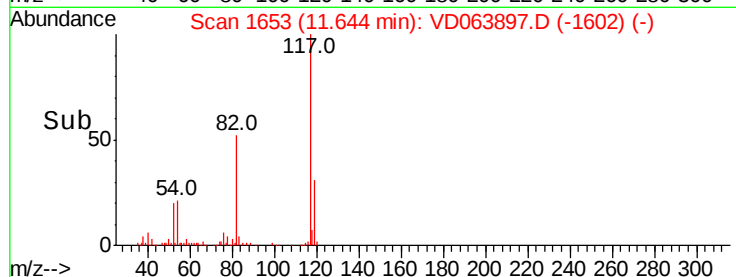
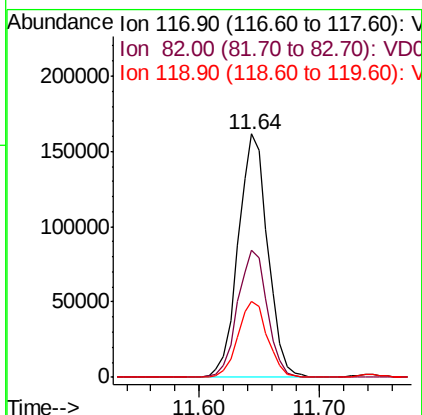
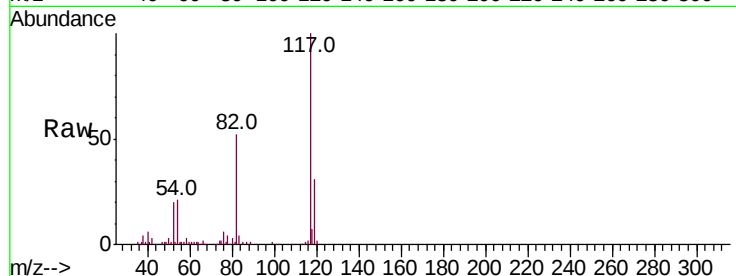




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

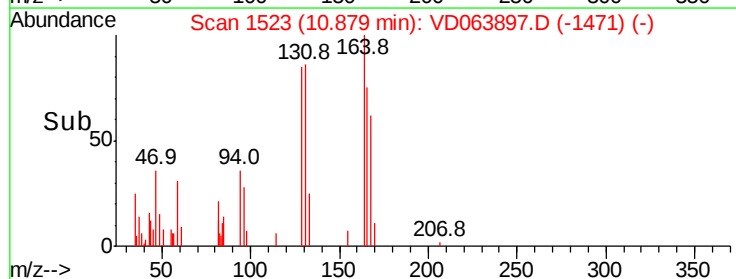
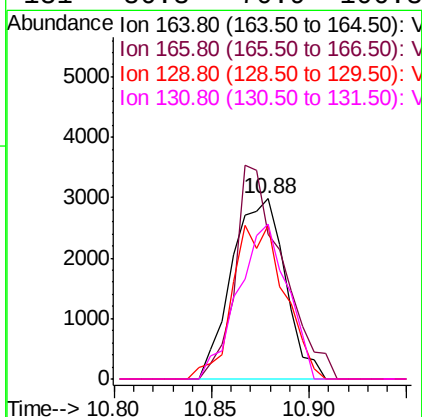
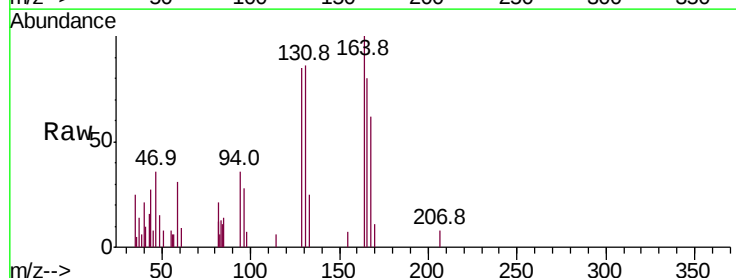
Instrument :
MSVOA_D
ClientSampleId :

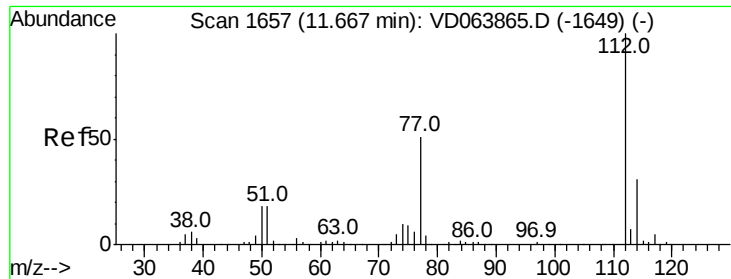
Tot Ion:117 Resp: 274926
Ion Ratio Lower Upper
117 100
82 52.4 42.8 64.2
119 31.4 24.4 36.6



#64
Tetrachloroethene
Concen: 3.014 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Tgt Ion:164 Resp: 5656
Ion Ratio Lower Upper
164 100
166 80.4 103.8 155.6#
129 85.0 68.9 103.3
131 86.3 70.9 106.3





#65

Chlorobenzene

Concen: 2.830 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

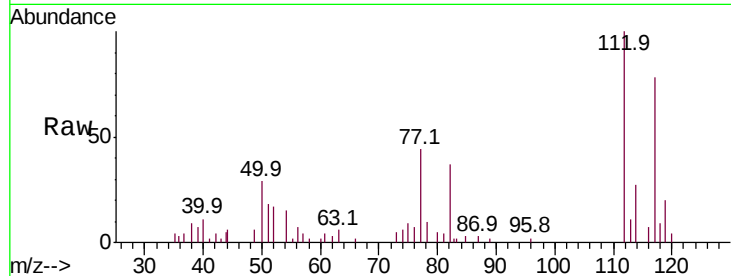
ClientSampled :

Tot Ion:112 Resp: 15624

Ion Ratio Lower Upper

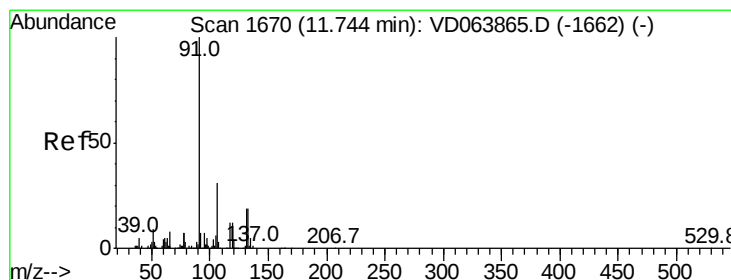
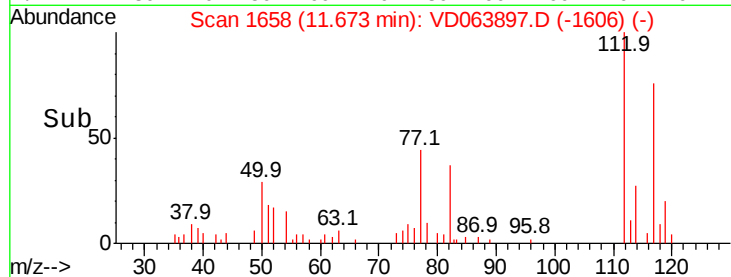
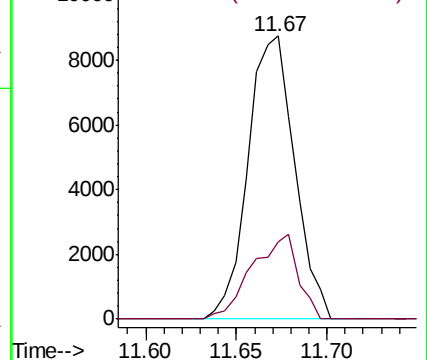
112 100

114 27.1 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 2.232 ug/l

RT: 11.74 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

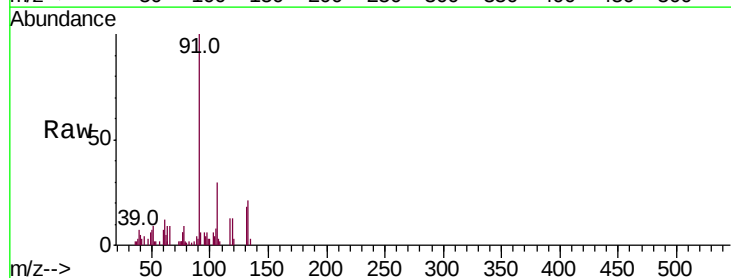
Tgt Ion:131 Resp: 4541

Ion Ratio Lower Upper

131 100

133 114.7 48.9 146.7

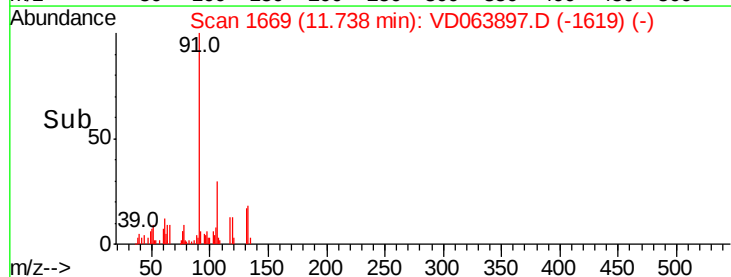
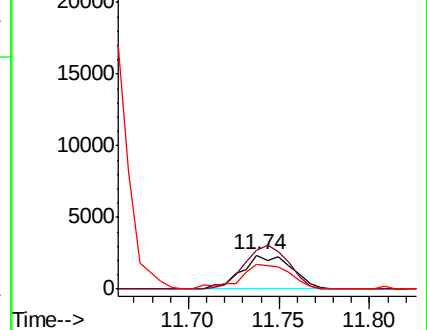
119 72.9 32.6 97.8

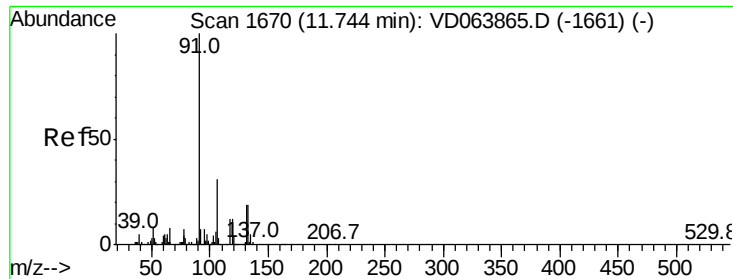


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 2.473 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

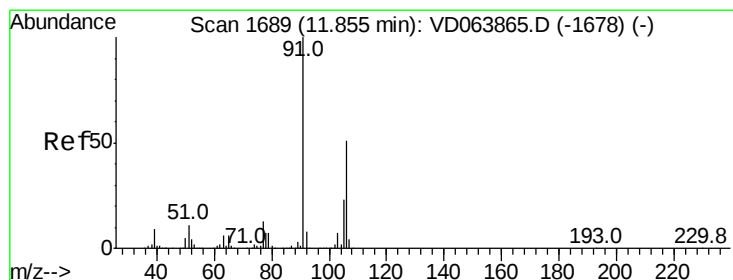
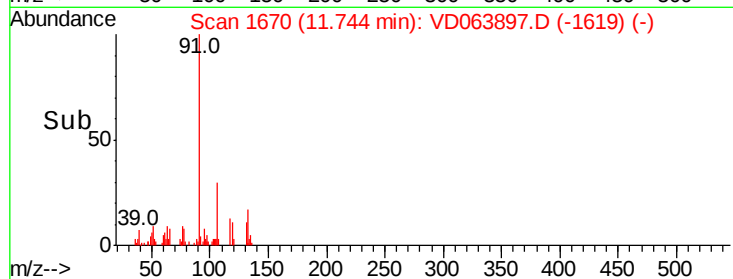
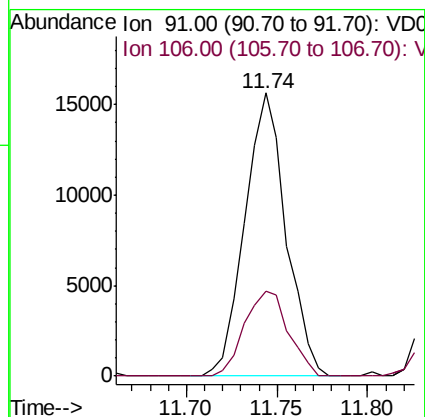
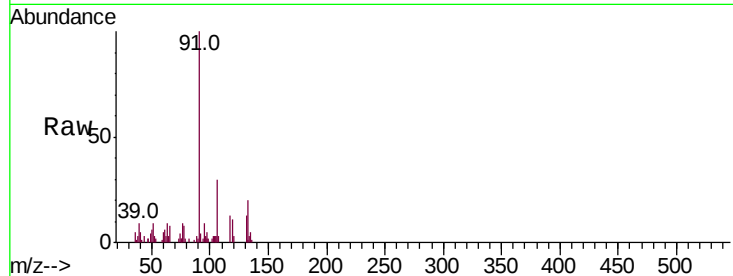
ClientSampleId :

Tot Ion: 91 Resp: 24617

Ion Ratio Lower Upper

91 100

106 29.9 24.6 37.0



#68

m/p-Xylenes

Concen: 4.779 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063897.D

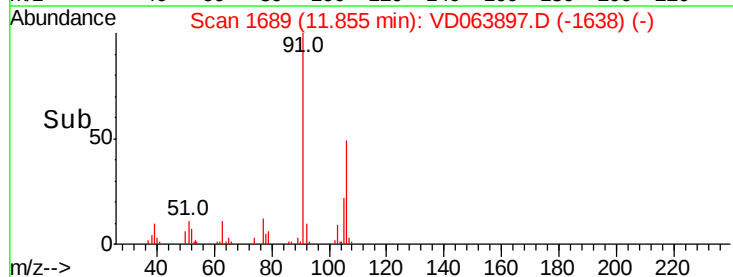
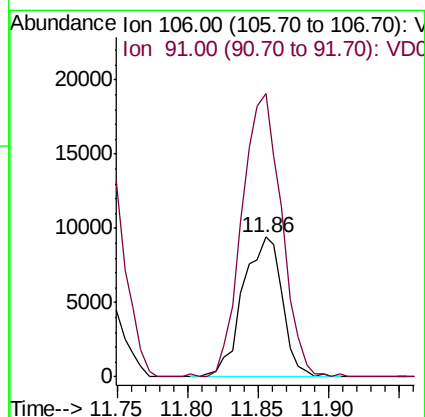
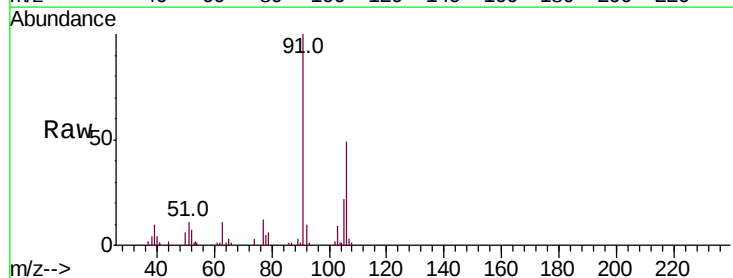
Acq: 07 Oct 2019 13:39

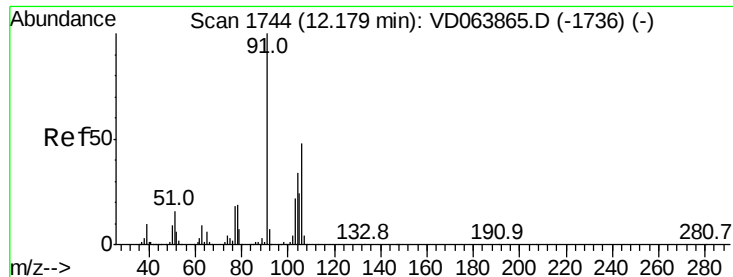
Tgt Ion: 106 Resp: 18366

Ion Ratio Lower Upper

106 100

91 203.3 154.8 232.2

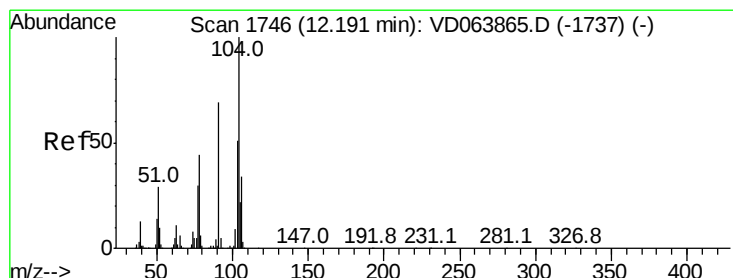
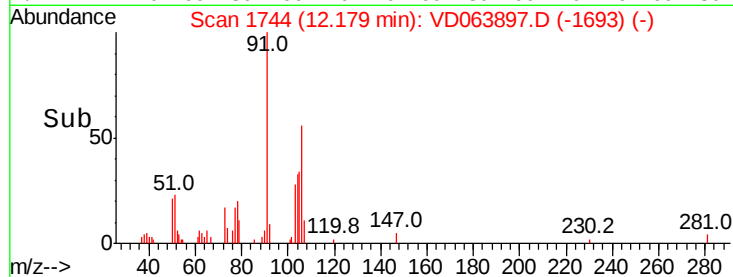
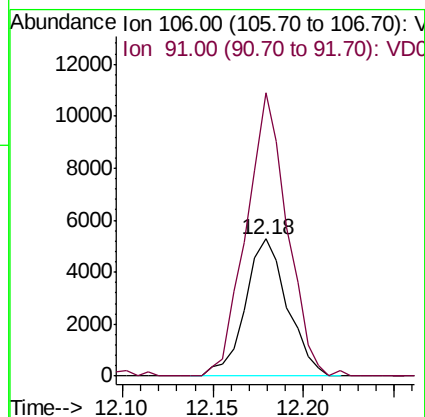
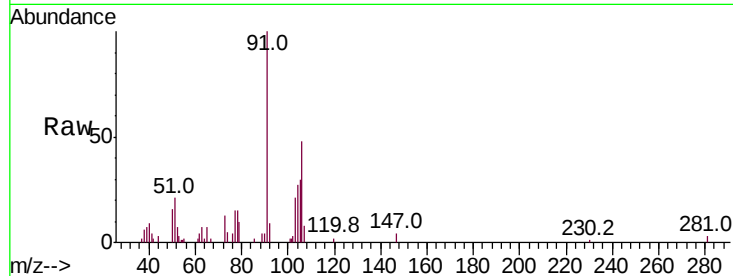




#69
o-Xylene
Concen: 2.322 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

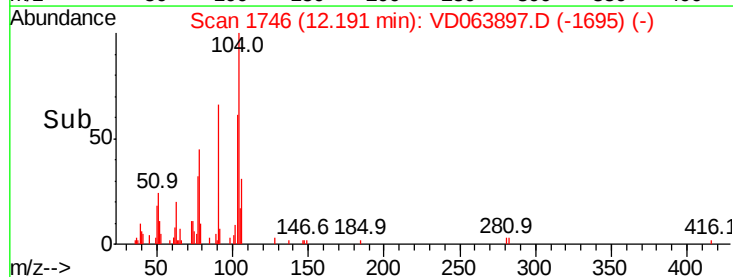
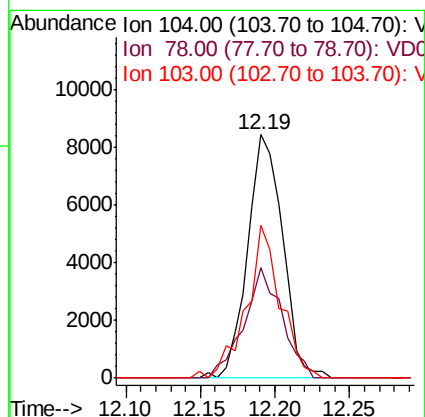
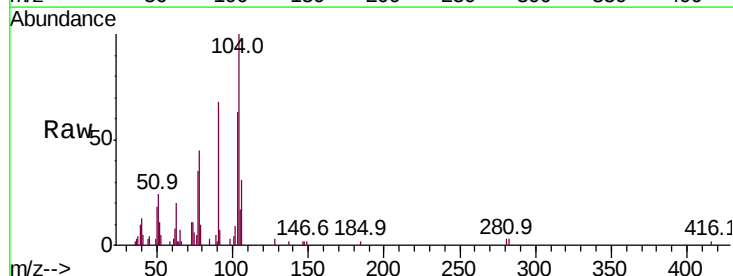
Instrument :
MSVOA_D
ClientSampleId :

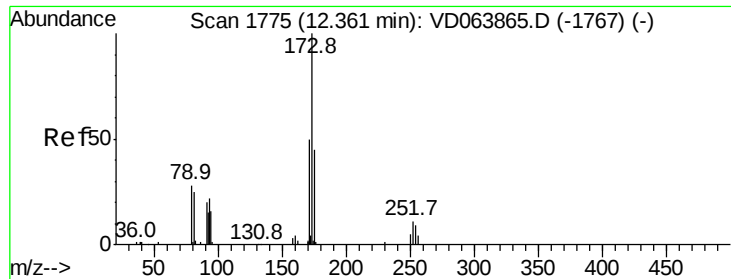
Tot Ion:106 Resp: 8545
Ion Ratio Lower Upper
106 100
91 200.1 103.9 311.7



#70
Styrene
Concen: 2.192 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Tgt Ion:104 Resp: 13656
Ion Ratio Lower Upper
104 100
78 49.3 37.0 55.4
103 61.1 44.2 66.4





#71

Bromoform

Concen: 2.484 ug/l

RT: 12.36 min Scan# 1774

Delta R.T. -0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

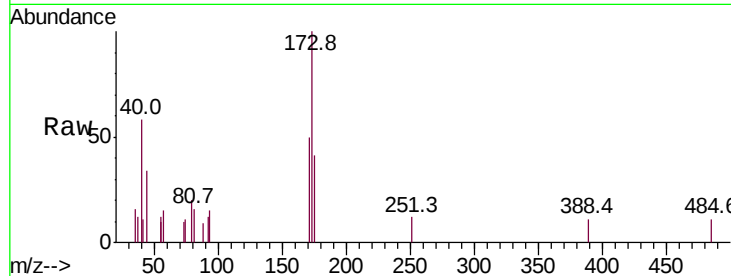
Tot Ion:173 Resp: 2712

Ion Ratio Lower Upper

173 100

175 57.4 24.6 74.0

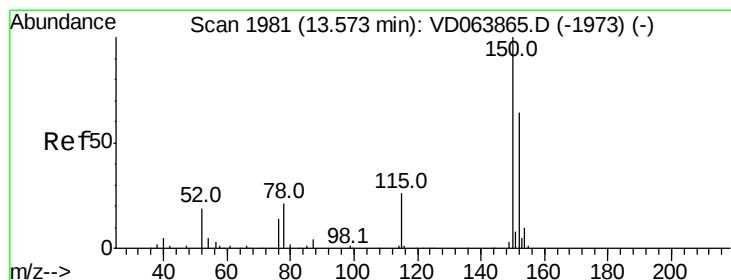
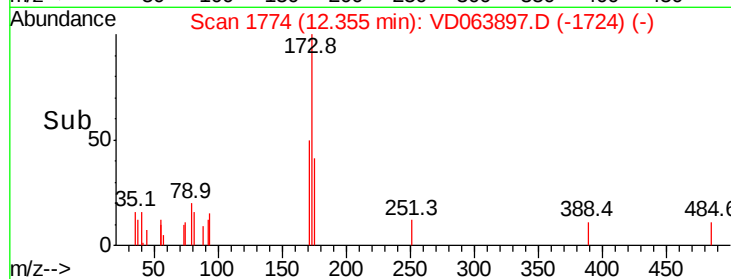
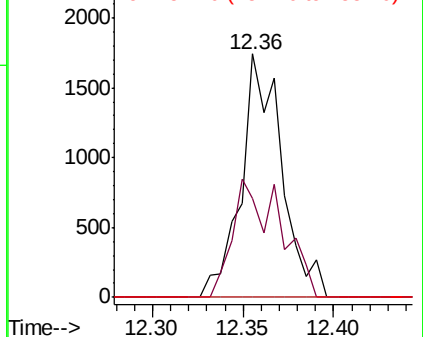
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

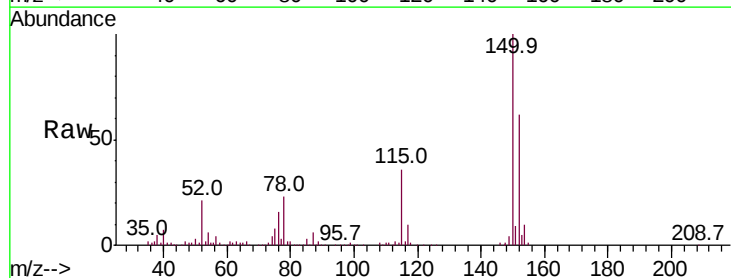
Tgt Ion:152 Resp: 136035

Ion Ratio Lower Upper

152 100

115 54.1 25.9 77.7

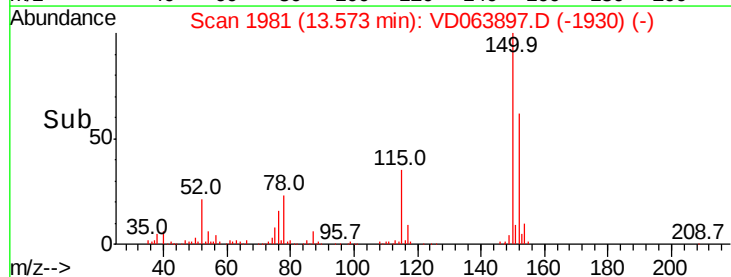
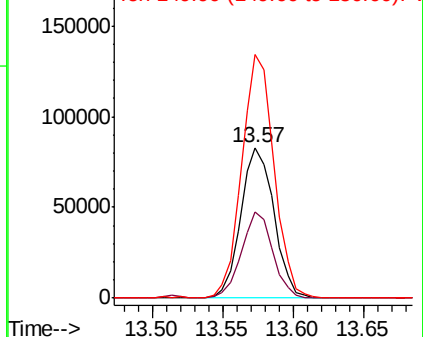
150 157.9 0.0 344.2

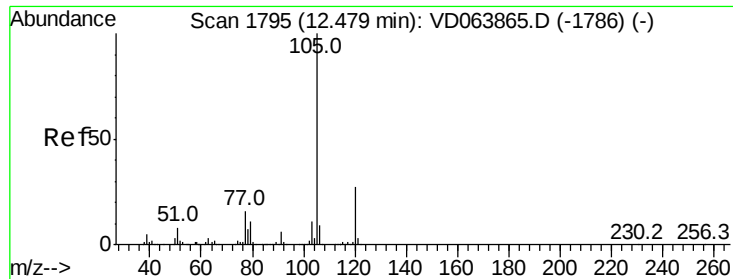


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.485 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

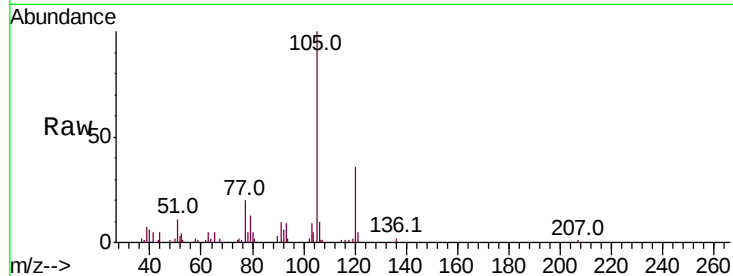
ClientSampleId :

Tot Ion:105 Resp: 22724

Ion Ratio Lower Upper

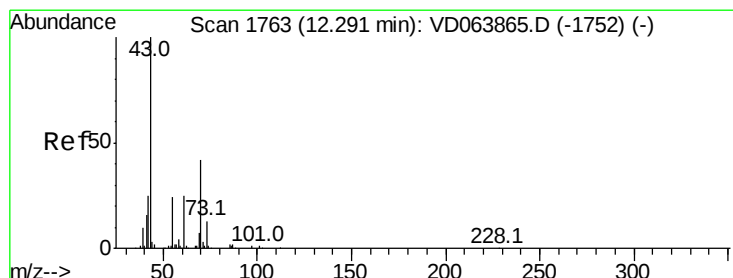
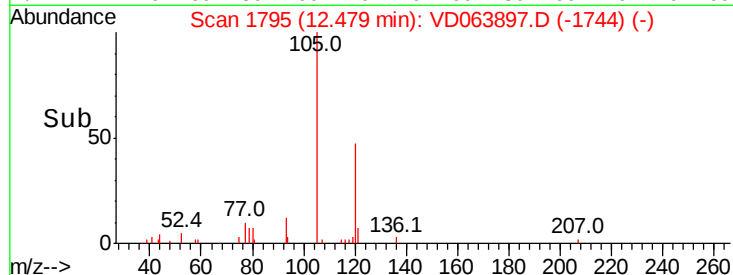
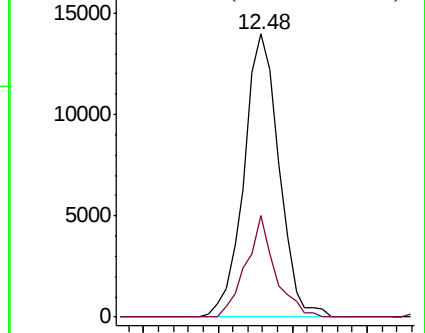
105 100

120 29.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.804 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Tgt Ion: 43 Resp: 5520

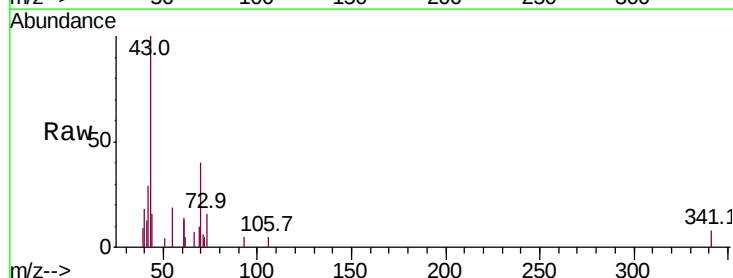
Ion Ratio Lower Upper

43 100

70 46.4 35.8 53.6

55 27.5 19.4 29.0

61 26.0 20.4 30.6

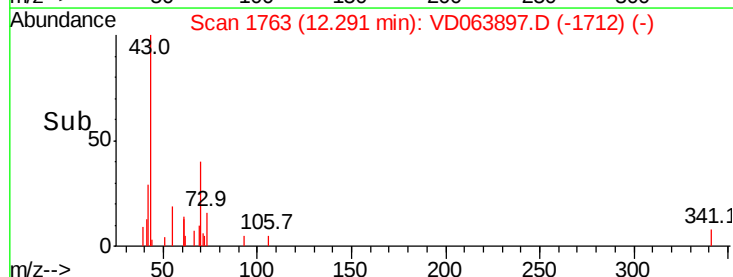
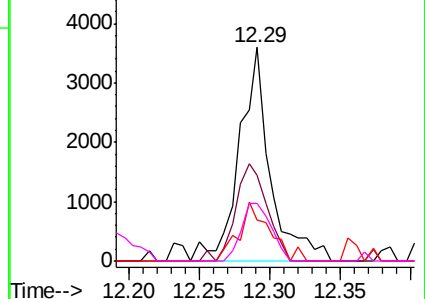


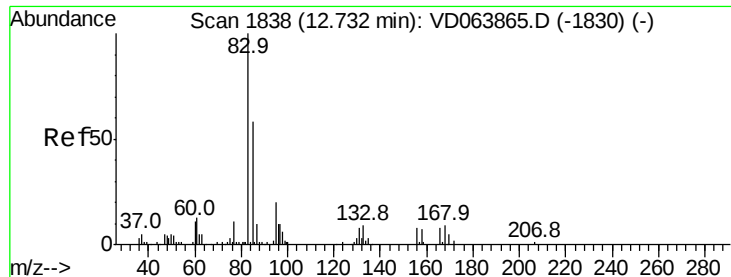
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 2.930 ug/l

RT: 12.73 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

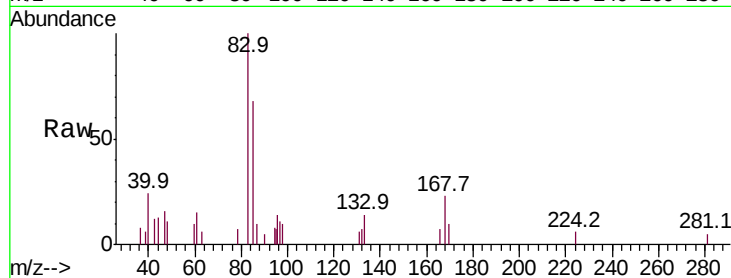
Tot Ion: 83 Resp: 4663

Ion Ratio Lower Upper

83 100

131 9.3 5.6 16.8

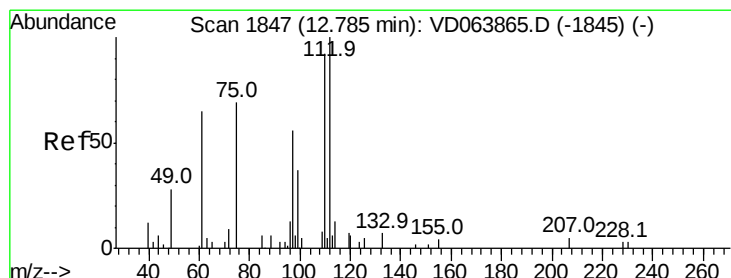
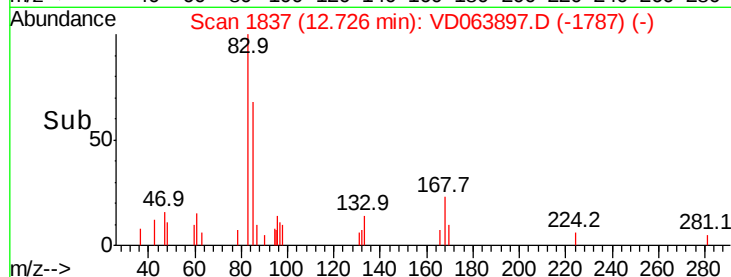
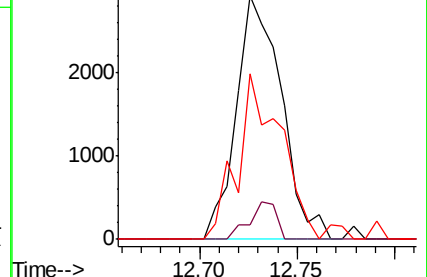
85 65.1 32.3 96.8



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: 5.188 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063897.D

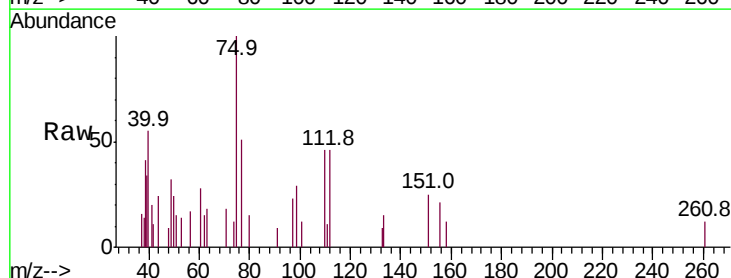
Acq: 07 Oct 2019 13:39

Tgt Ion: 75 Resp: 4727

Ion Ratio Lower Upper

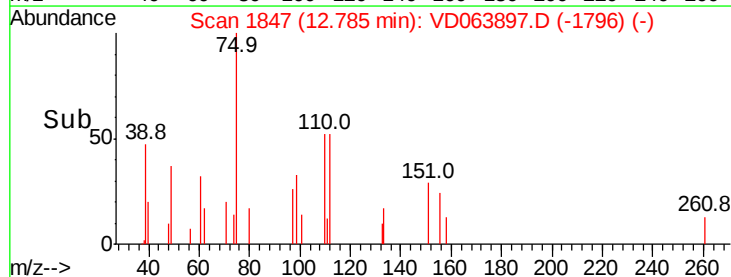
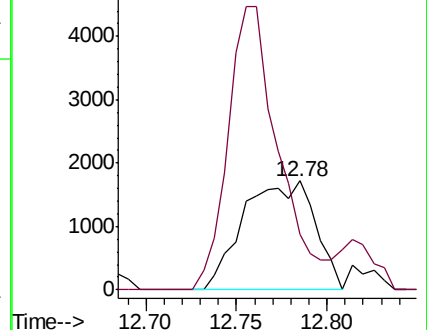
75 100

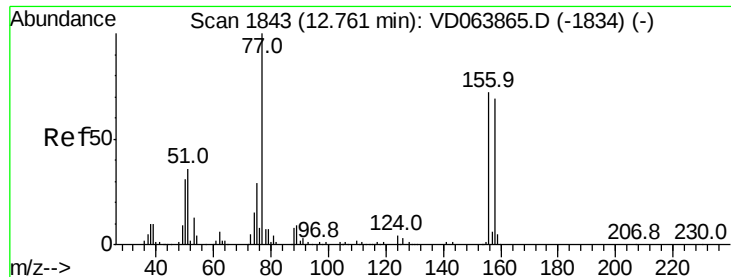
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 2.475 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

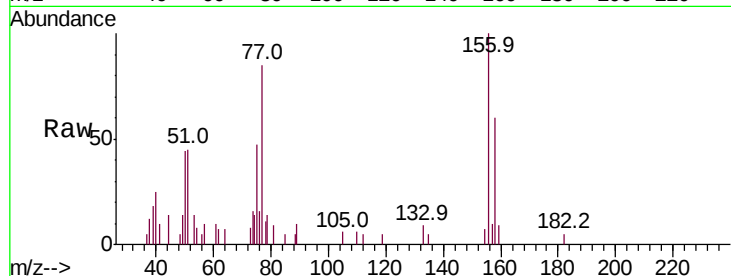
Tot Ion:156 Resp: 5638

Ion Ratio Lower Upper

156 100

77 152.1 80.3 241.0

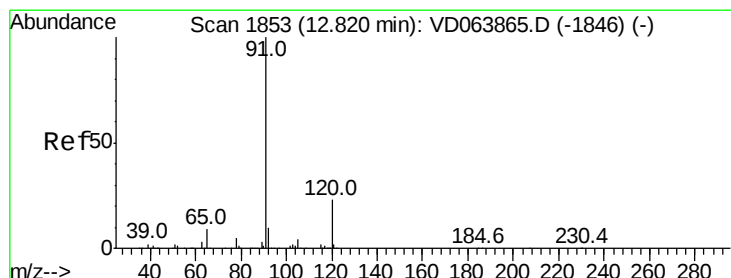
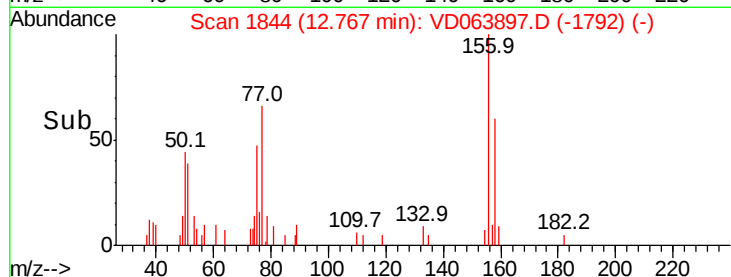
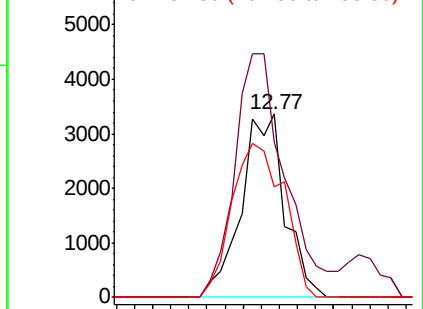
158 100.1 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.548 ug/l

RT: 12.81 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VD063897.D

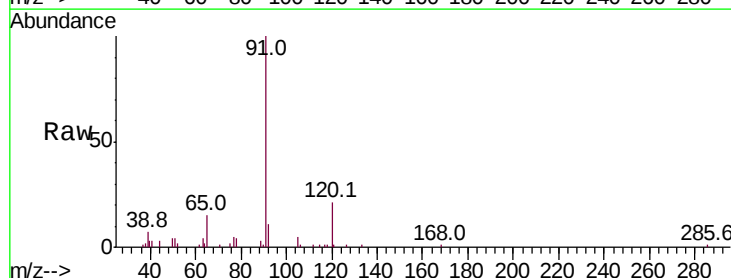
Acq: 07 Oct 2019 13:39

Tgt Ion: 91 Resp: 27356

Ion Ratio Lower Upper

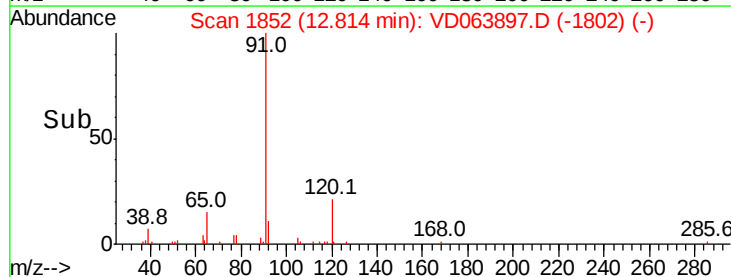
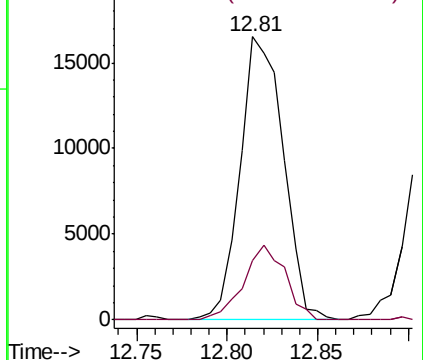
91 100

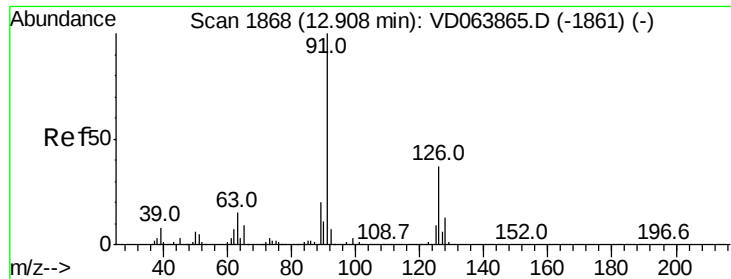
120 25.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

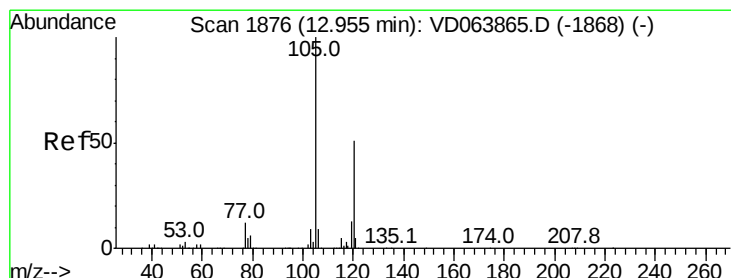
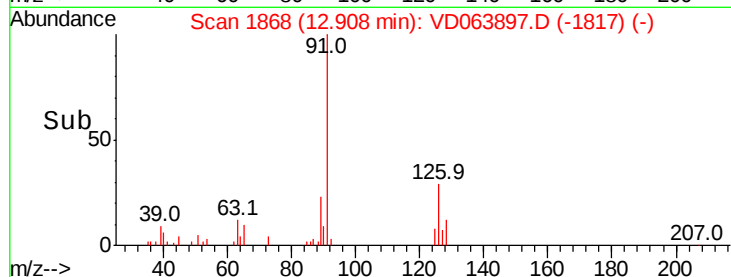
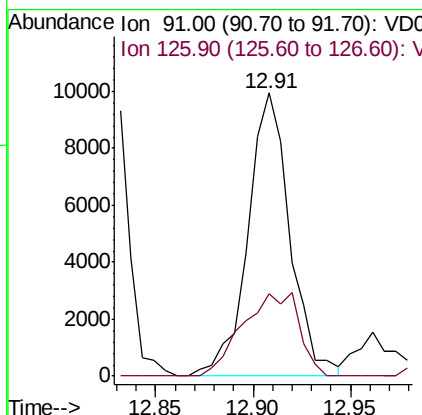
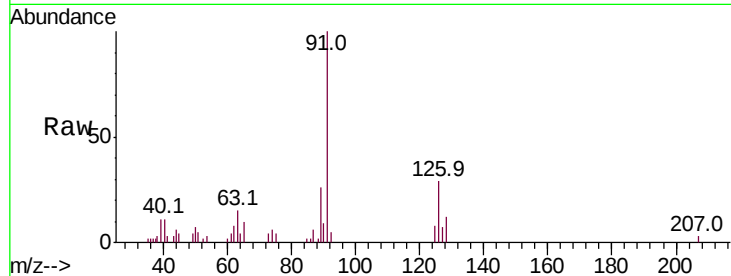




#79
 2-Chlorotoluene
 Concen: 2.509 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063897.D
 Acq: 07 Oct 2019 13:39

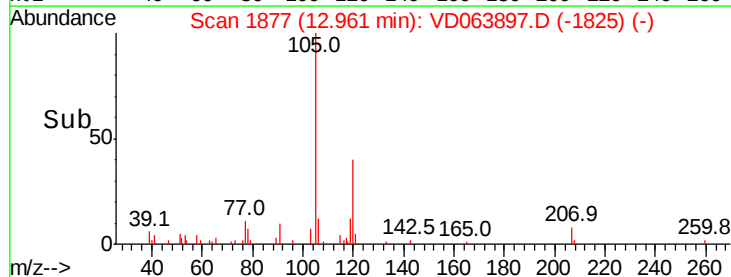
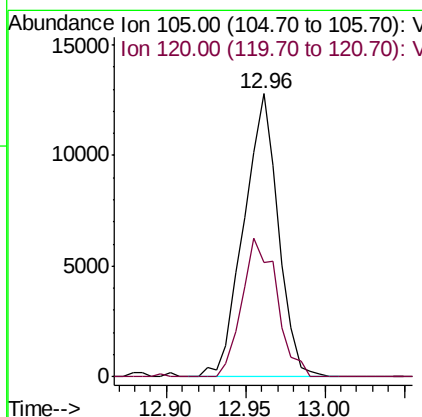
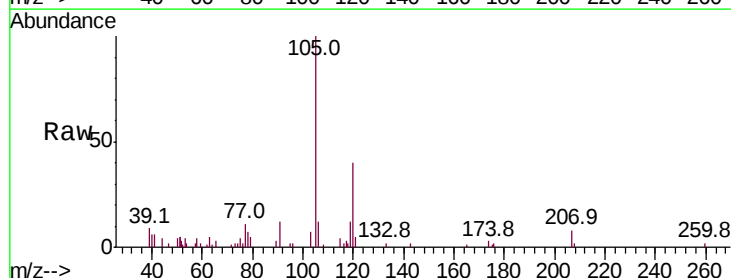
Instrument :
 MSVOA_D
 ClientSampled :

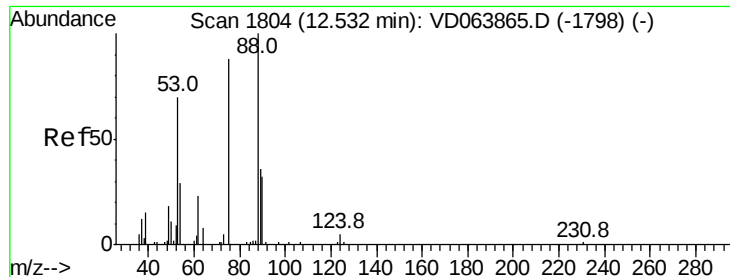
Tot Ion: 91 Resp: 14853
 Ion Ratio Lower Upper
 91 100
 126 39.5 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 2.523 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063897.D
 Acq: 07 Oct 2019 13:39

Tgt Ion:105 Resp: 19246
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 127.234 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

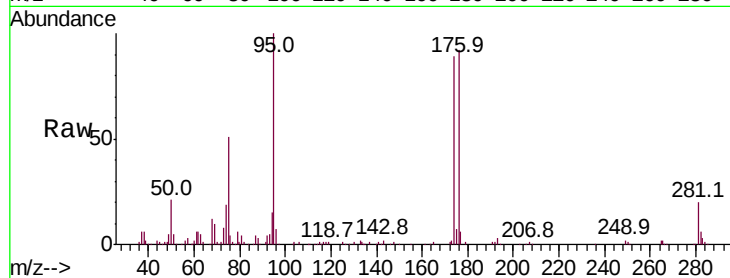
Tot Ion: 75 Resp: 65510

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

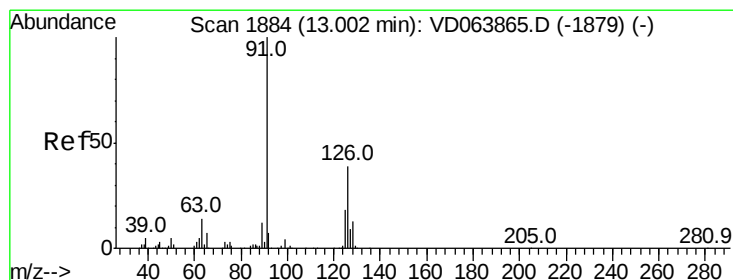
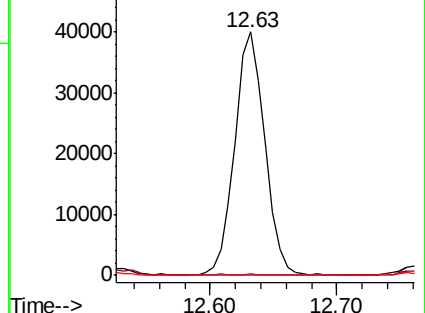
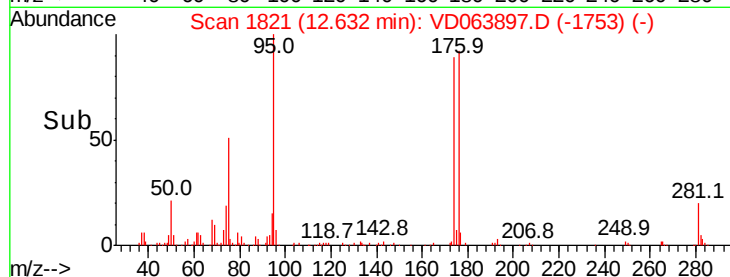
89 0.2 38.2 57.4#



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: 2.571 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063897.D

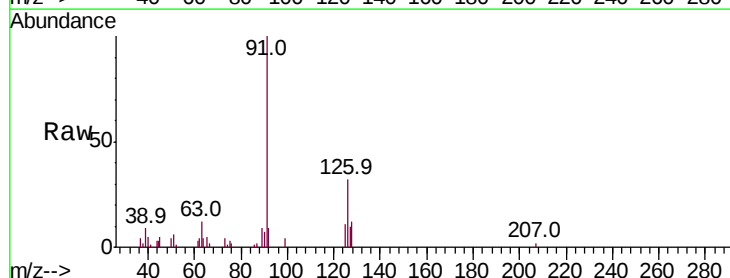
Acq: 07 Oct 2019 13:39

Tgt Ion: 91 Resp: 16143

Ion Ratio Lower Upper

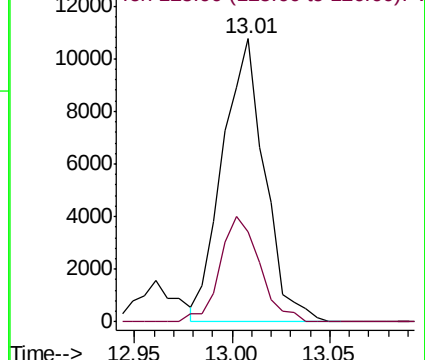
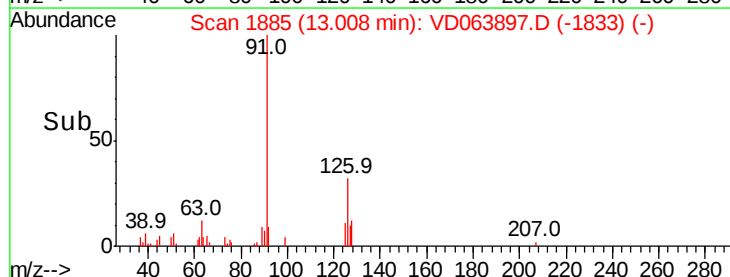
91 100

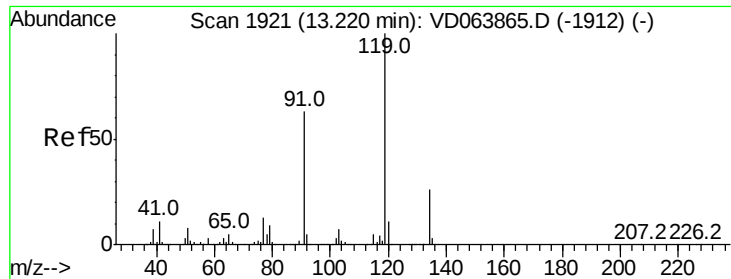
126 35.0 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

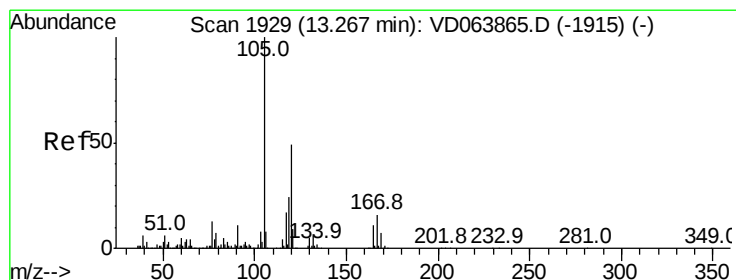
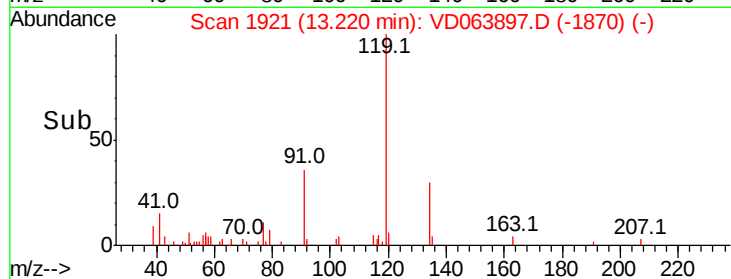
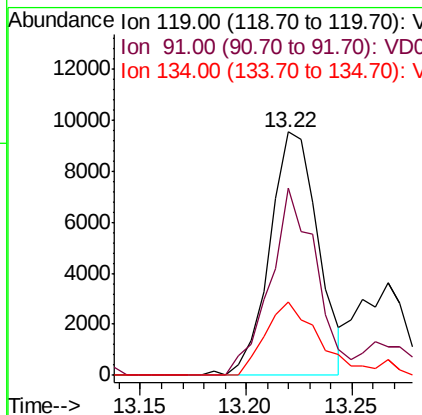
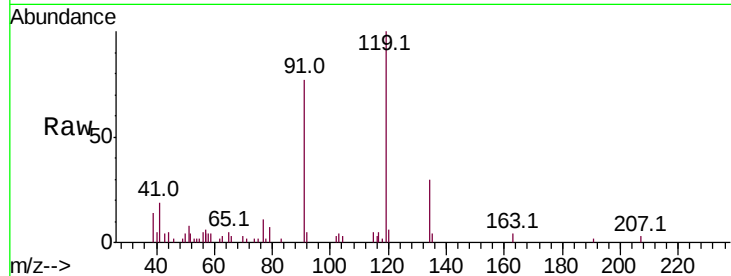




#83
 tert-Butylbenzene
 Concen: 2.234 ug/l
 RT: 13.22 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VD063897.D
 Acq: 07 Oct 2019 13:39

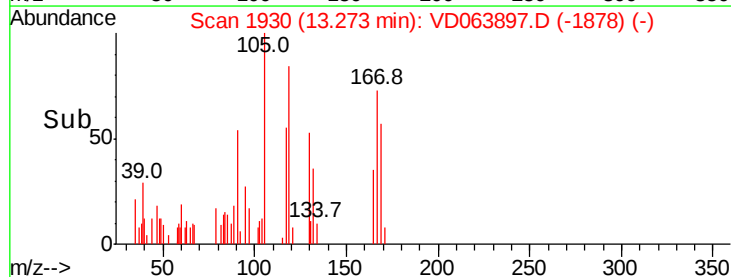
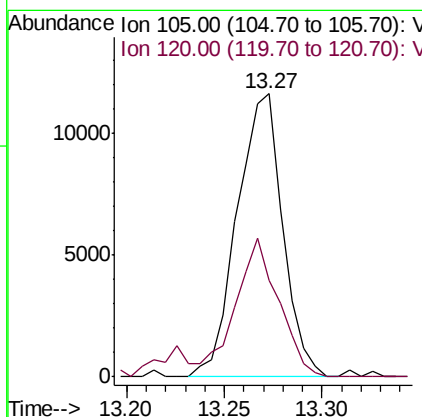
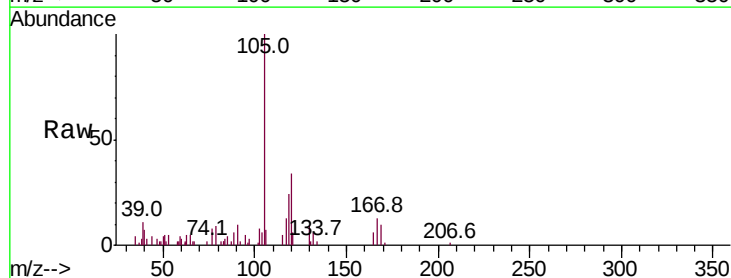
Instrument :
 MSVOA_D
 ClientSampleId :

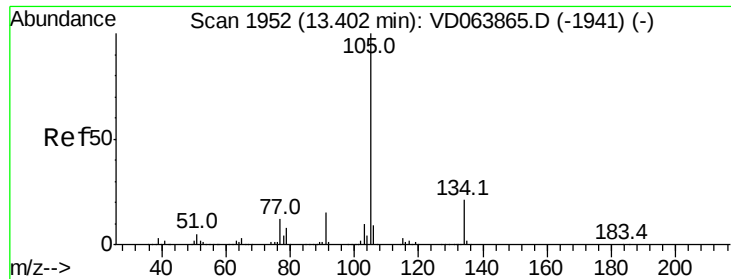
Tot Ion:119 Resp: 15170
 Ion Ratio Lower Upper
 119 100
 91 73.5 30.0 90.0
 134 33.6 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 2.385 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: VD063897.D
 Acq: 07 Oct 2019 13:39

Tgt Ion:105 Resp: 18759
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.8 71.5





#85

sec-Butylbenzene

Concen: 2.557 ug/l

RT: 13.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

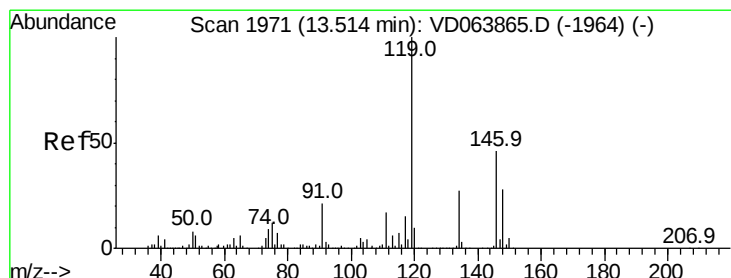
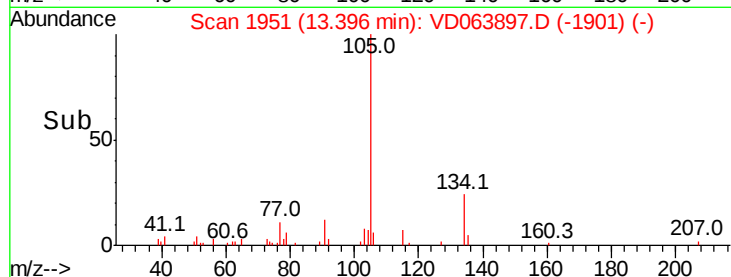
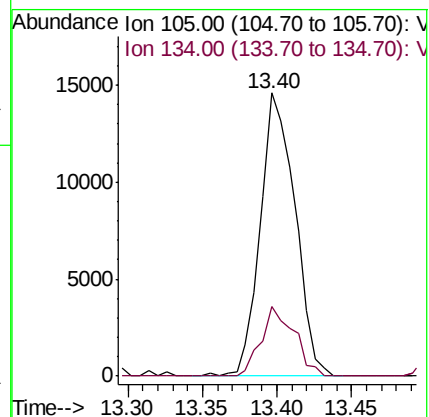
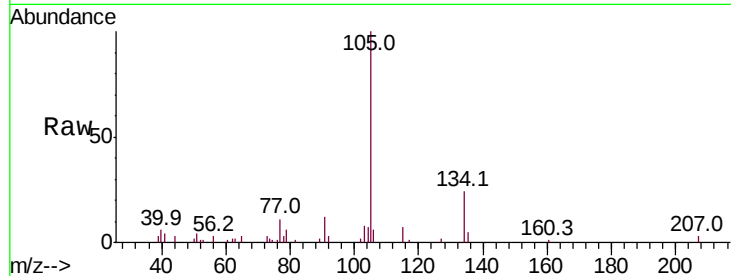
ClientSampleId :

Tot Ion:105 Resp: 23445

Ion Ratio Lower Upper

105 100

134 23.5 10.6 31.8



#86

p-Isopropyltoluene

Concen: 2.220 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

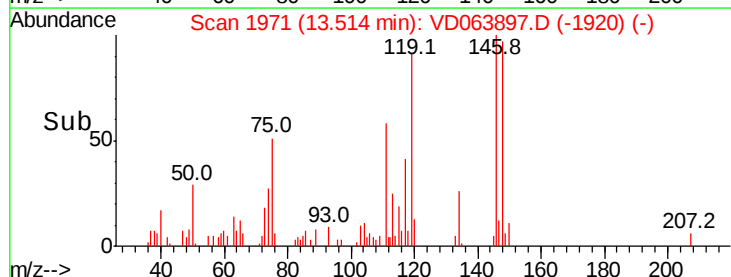
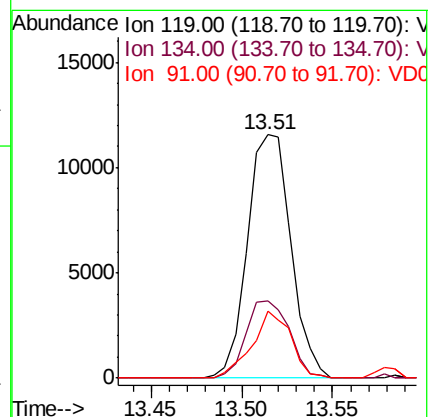
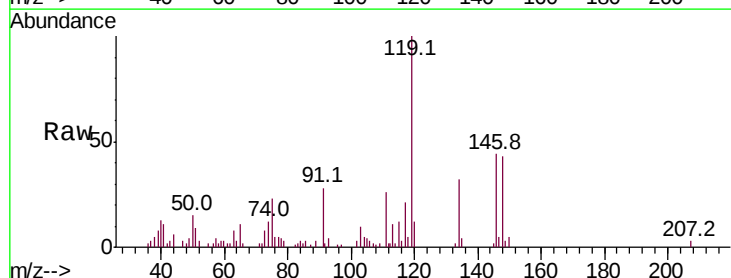
Tgt Ion:119 Resp: 19261

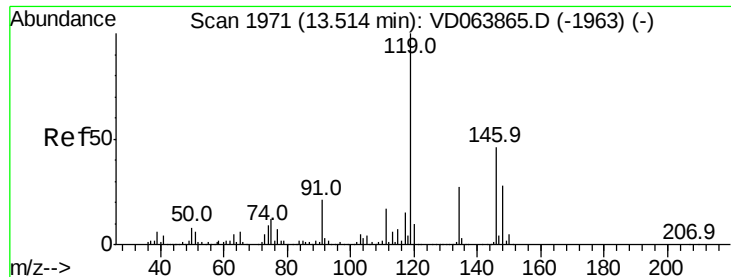
Ion Ratio Lower Upper

119 100

134 31.8 13.9 41.6

91 24.8 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 2.374 ug/l

RT: 13.51 min Scan# 1970

Delta R.T. -0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

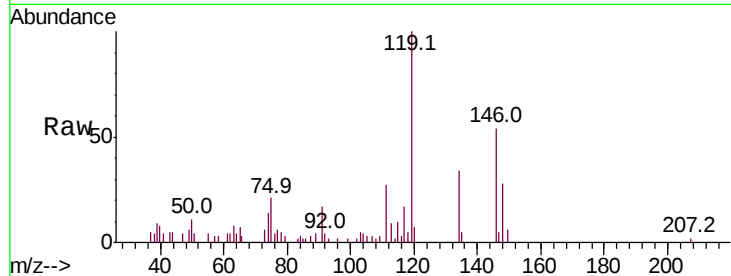
Tot Ion:146 Resp: 10687

Ion Ratio Lower Upper

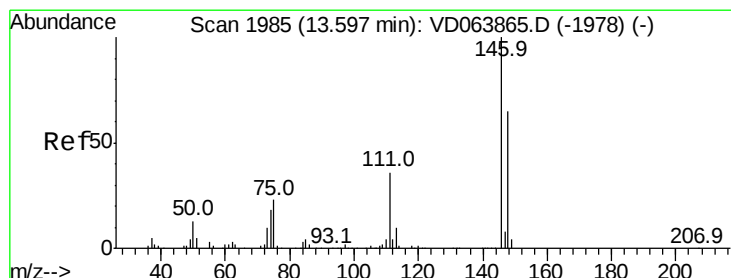
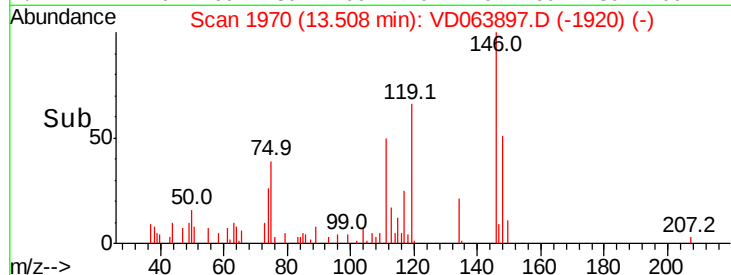
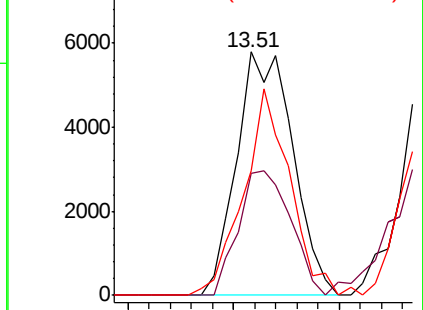
146 100

111 47.6 18.3 54.9

148 70.6 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 2.852 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

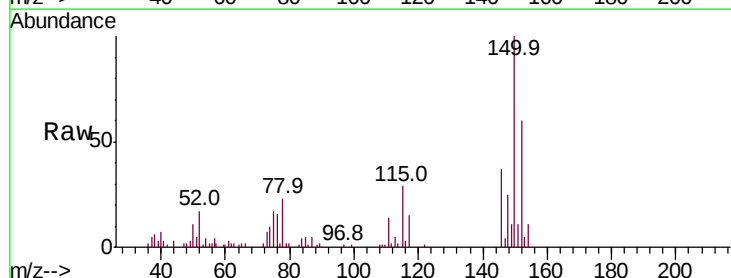
Tgt Ion:146 Resp: 12666

Ion Ratio Lower Upper

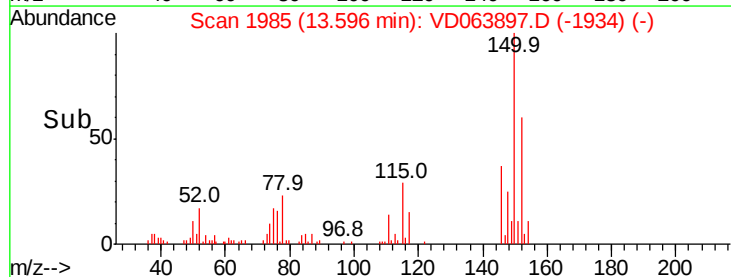
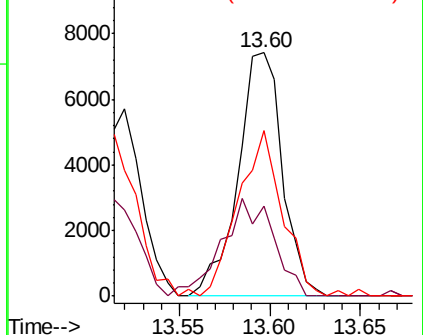
146 100

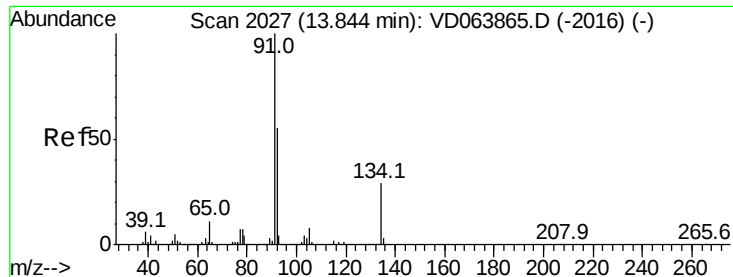
111 46.7 18.6 56.0

148 67.1 32.6 98.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

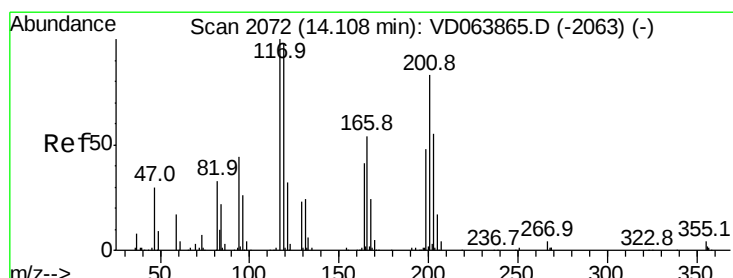
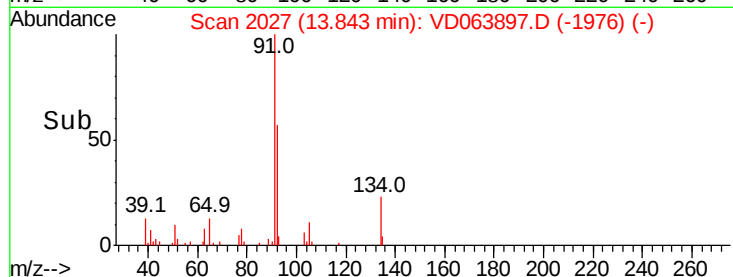
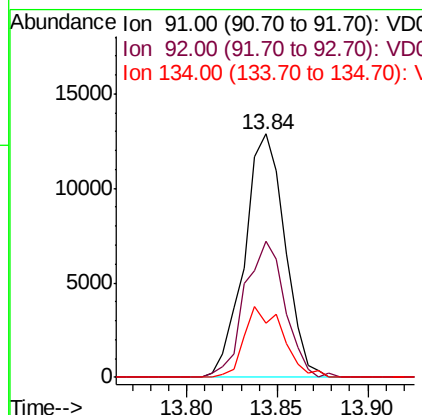
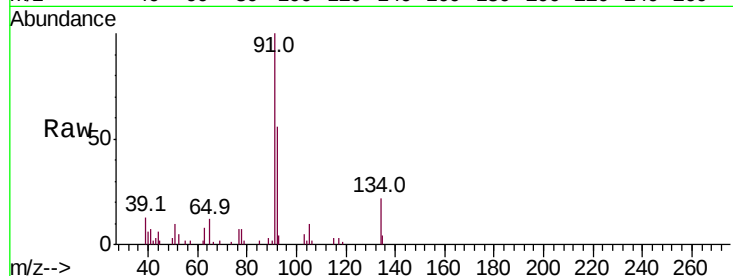




#89
n-Butylbenzene
Concen: 2.472 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

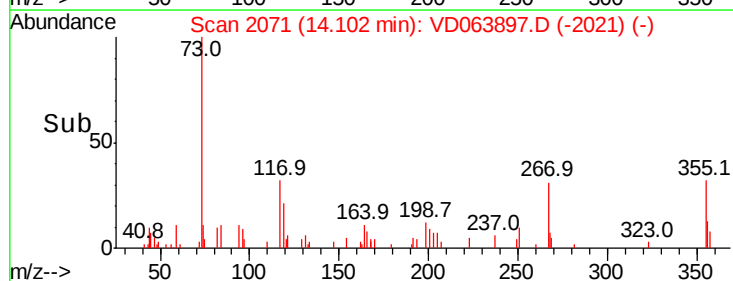
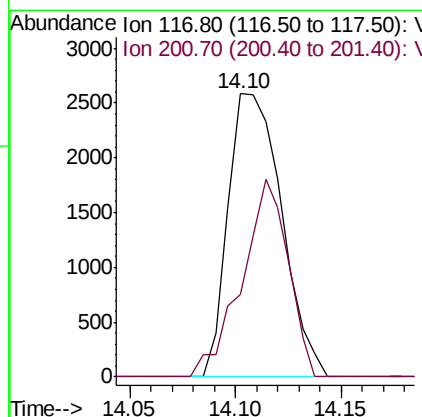
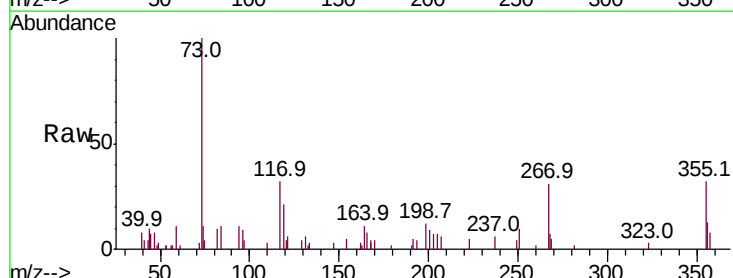
Instrument :
MSVOA_D
ClientSampleId :

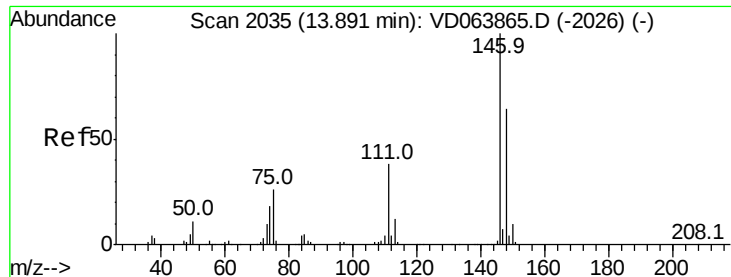
Tot Ion	Ratio	Lower	Upper
91	100		
92	55.8	26.8	80.3
134	27.9	14.4	43.0



#90
Hexachloroethane
Concen: 2.910 ug/l
RT: 14.10 min Scan# 2071
Delta R.T. -0.01 min
Lab File: VD063897.D
Acq: 07 Oct 2019 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	60.4	40.6	121.7





#91

1,2-Dichlorobenzene

Concen: 2.553 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

ClientSampled :

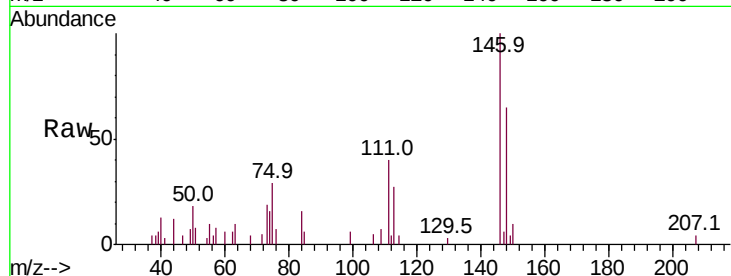
Tot Ion:146 Resp: 9904

Ion Ratio Lower Upper

146 100

111 40.3 18.6 55.6

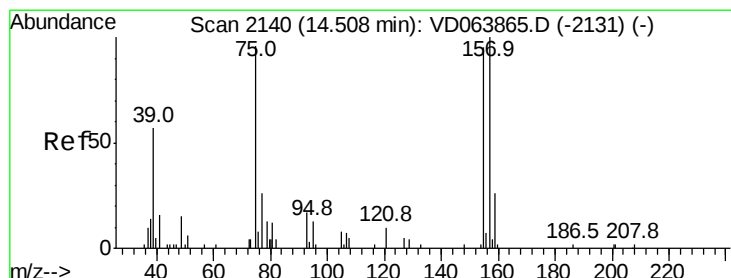
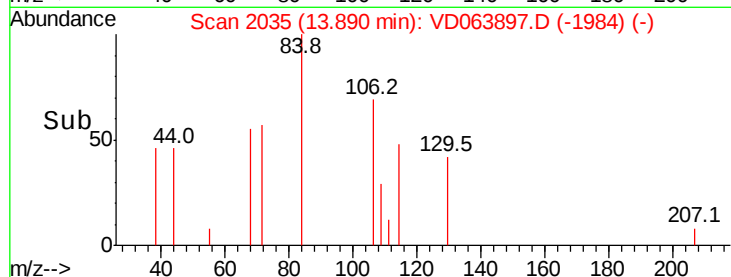
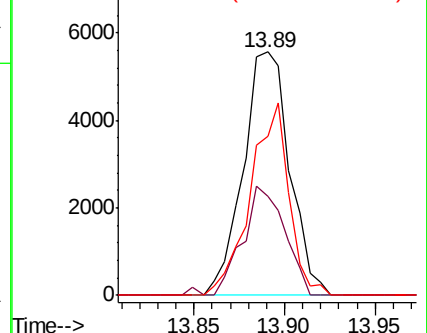
148 65.7 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.767 ug/l

RT: 14.50 min Scan# 2139

Delta R.T. -0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

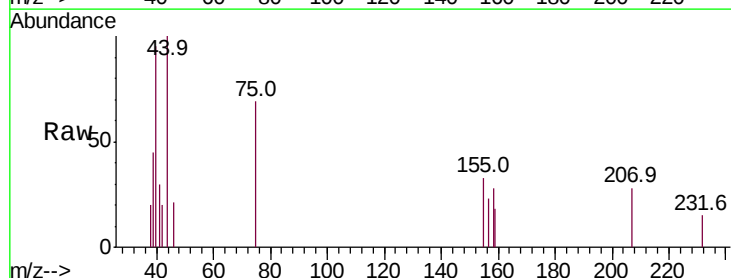
Tgt Ion: 75 Resp: 1023

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

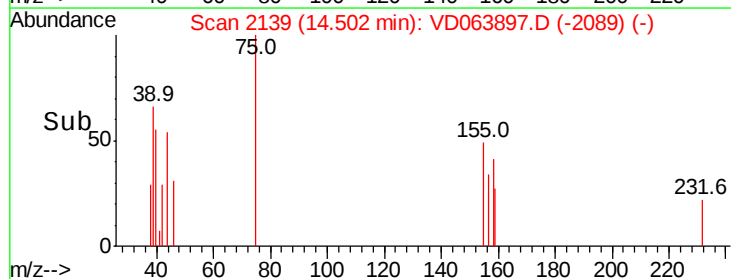
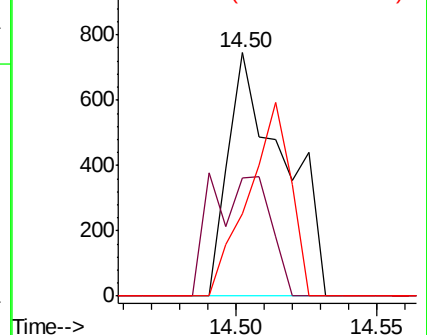
157 60.4 56.0 167.9

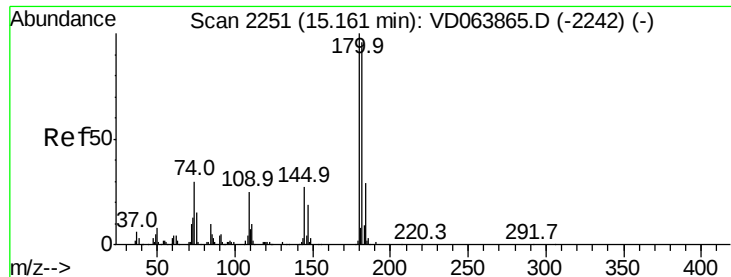


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

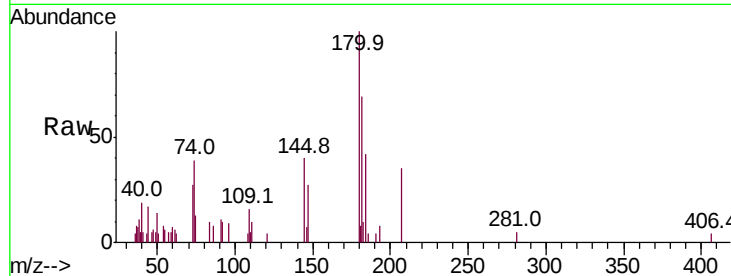




#93
 1,2,4-Trichlorobenzene
 Concen: 2.484 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063897.D
 Acq: 07 Oct 2019 13:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	84.9	47.4	142.3
145	34.8	13.9	41.7

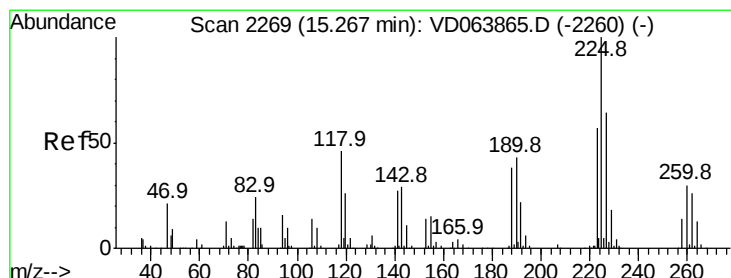
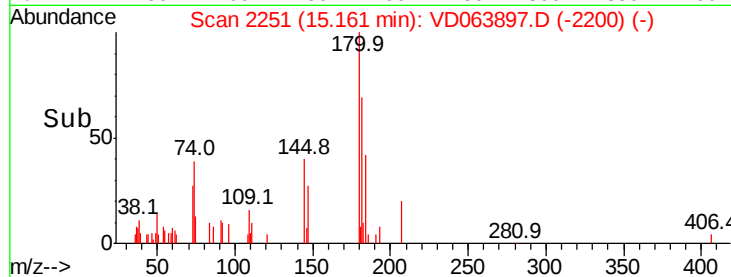
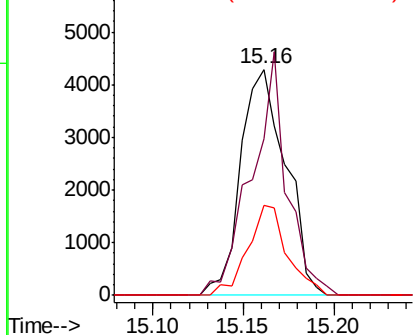


Abundance

Ion 179.80 (179.50 to 180.50): V

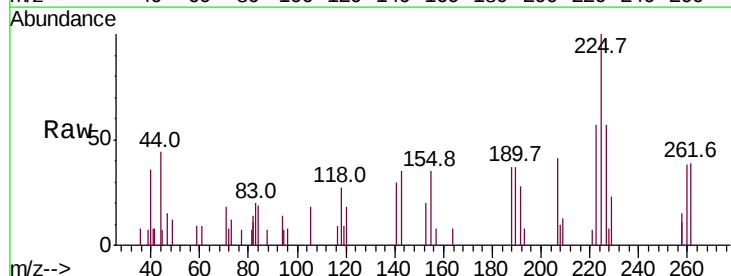
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 2.332 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063897.D
 Acq: 07 Oct 2019 13:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	72.9	29.5	88.6
227	63.1	30.8	92.4

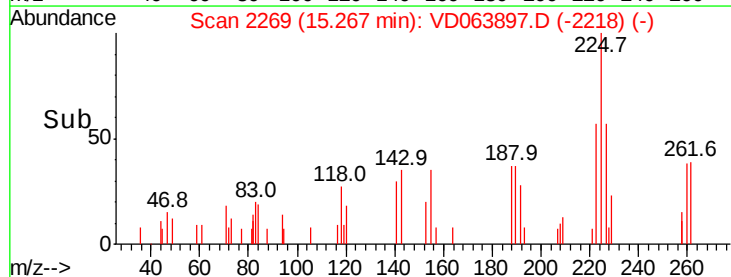
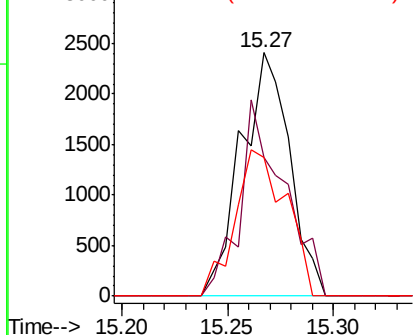


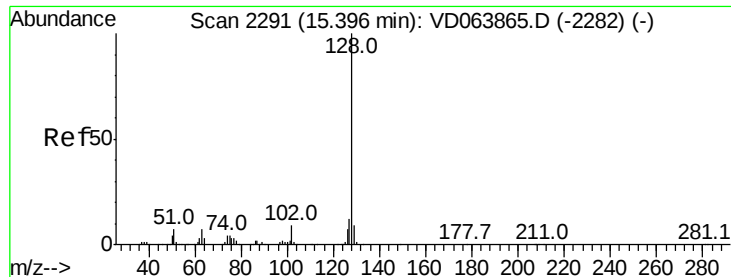
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.467 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063897.D

Acq: 07 Oct 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

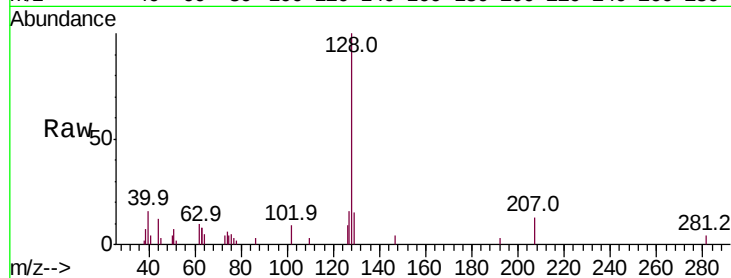
Tot Ion:128 Resp: 12414

Ion Ratio Lower Upper

128 100

127 14.1 10.6 16.0

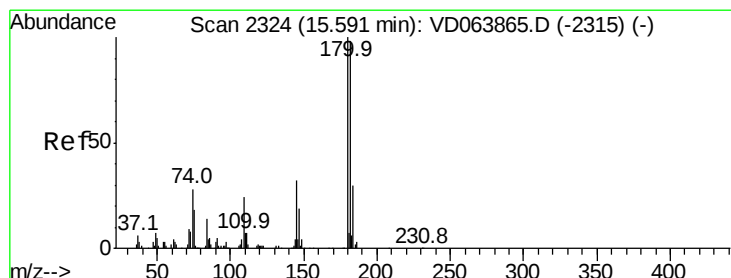
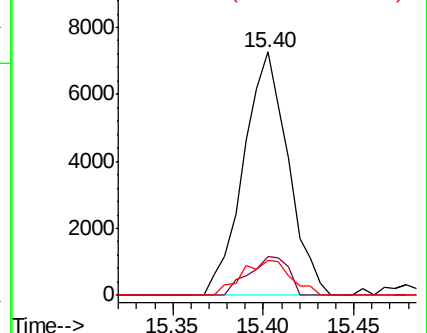
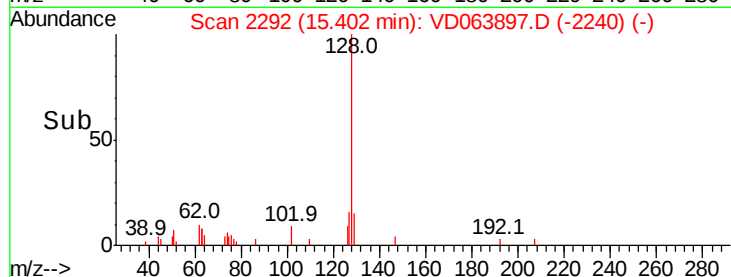
129 15.8 8.6 13.0#



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: 2.407 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

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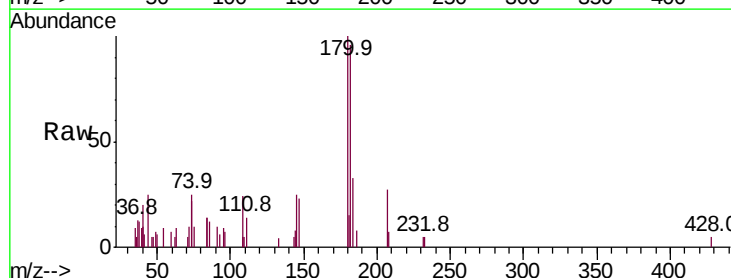
Tgt Ion:180 Resp: 6216

Ion Ratio Lower Upper

180 100

182 107.7 47.0 141.0

145 37.4 15.3 45.9



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

