

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064017.D
 Acq On : 23 Oct 2019 13:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 24 05:55:54 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	201247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	304631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	299222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	170178	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	84766	43.26	ug/l	0.00
Spiked Amount						
			Recovery	=	86.52%	
35) Dibromofluoromethane	7.92	113	95452	51.27	ug/l	0.00
Spiked Amount						
			Recovery	=	102.54%	
50) Toluene-d8	10.34	98	379684	50.25	ug/l	0.00
Spiked Amount						
			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.64	95	128540	48.95	ug/l	0.00
Spiked Amount						
			Recovery	=	97.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	68105	47.720	ug/l	100
3) Chloromethane	2.21	50	184459	47.641	ug/l	92
4) Vinyl Chloride	2.35	62	226928	49.196	ug/l	99
5) Bromomethane	2.77	94	140168	47.266	ug/l	98
6) Chloroethane	2.93	64	143848	47.155	ug/l	89
7) Trichlorofluoromethane	3.27	101	326336	53.509	ug/l	98
8) Diethyl Ether	3.71	74	43027	43.955	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89298	52.896	ug/l	96
10) Methyl Iodide	4.29	142	106620	45.835	ug/l	99
11) Tert butyl alcohol	5.24	59	30867	226.000	ug/l	98
12) 1,1-Dichloroethene	4.06	96	81790	48.493	ug/l	95
13) Acrolein	3.93	56	39914	228.090	ug/l	93
14) Allyl chloride	4.71	41	126689	45.180	ug/l	97
15) Acrylonitrile	5.43	53	98983	229.353	ug/l	98
16) Acetone	4.16	43	110028	215.695	ug/l	91
17) Carbon Disulfide	4.40	76	252620	41.204	ug/l	98
18) Methyl Acetate	4.72	43	44591	44.693	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	197252	45.164	ug/l	93
20) Methylene Chloride	4.96	84	104427	45.889	ug/l	94
21) trans-1,2-Dichloroethene	5.46	96	101594	48.387	ug/l	97
22) Diisopropyl ether	6.37	45	264180	46.130	ug/l	94
23) Vinyl Acetate	6.31	43	762015	223.672	ug/l	98
24) 1,1-Dichloroethane	6.27	63	168623	47.802	ug/l	96
25) 2-Butanone	7.23	43	133570	220.946	ug/l	91
26) 2,2-Dichloropropane	7.21	77	155748	48.809	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	116360	48.962	ug/l	97
28) Bromochloromethane	7.55	49	66097	49.312	ug/l	96
29) Tetrahydrofuran	7.57	42	75631	214.339	ug/l	99
30) Chloroform	7.71	83	185993	48.545	ug/l	93
31) Cyclohexane	7.98	56	152422	52.459	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	163412	49.722	ug/l	98
36) 1,1-Dichloropropene	8.11	75	146470	52.586	ug/l	95
37) Ethyl Acetate	7.30	43	49537	43.864	ug/l #	93
38) Carbon Tetrachloride	8.10	117	153248	54.446	ug/l	91

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	184793	53.959	ug/l	93
40) Benzene	8.35	78	408607	51.192	ug/l	99
41) Methacrylonitrile	7.53	41	32324	50.055	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	110295	47.770	ug/l	98
43) Isopropyl Acetate	8.46	43	102860	44.035	ug/l	98
44) Trichloroethene	9.11	130	120628	52.409	ug/l	88
45) 1,2-Dichloropropane	9.39	63	97846	50.083	ug/l	93
46) Dibromomethane	9.48	93	54869	49.314	ug/l	98
47) Bromodichloromethane	9.67	83	143497	50.092	ug/l	94
48) Methyl methacrylate	9.46	41	51565	46.074	ug/l	96
49) 1,4-Dioxane	9.47	88	14739	970.463	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	275212	227.179	ug/l	100
52) Toluene	10.40	92	293506	53.565	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	137152	49.064	ug/l	90
54) cis-1,3-Dichloropropene	10.09	75	162323	50.446	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	80407	51.182	ug/l	86
56) Ethyl methacrylate	10.66	69	94393	47.447	ug/l	94
57) 1,3-Dichloropropane	10.95	76	132713	49.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	204807	239.499	ug/l	97
59) 2-Hexanone	10.99	43	207534	236.826	ug/l	98
60) Dibromochloromethane	11.14	129	104711	51.196	ug/l	98
61) 1,2-Dibromoethane	11.25	107	79174	51.984	ug/l	97
64) Tetrachloroethene	10.88	164	106647	52.208	ug/l	92
65) Chlorobenzene	11.67	112	319770	53.213	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	118447	53.493	ug/l	96
67) Ethyl Benzene	11.75	91	577902	53.333	ug/l	98
68) m/p-Xylenes	11.85	106	463744	110.881	ug/l	96
69) o-Xylene	12.18	106	212063	52.952	ug/l	95
70) Styrene	12.20	104	367032	54.138	ug/l	98
71) Bromoform	12.36	173	63919	53.789	ug/l #	98
73) Isopropylbenzene	12.48	105	584995	51.135	ug/l	97
74) N-amyl acetate	12.29	43	106390	43.194	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	91800	46.113	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	115385	101.232	ug/l #	100
77) Bromobenzene	12.77	156	141598	49.679	ug/l	94
78) n-propylbenzene	12.83	91	697476	51.940	ug/l	99
79) 2-Chlorotoluene	12.91	91	371908	50.228	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	503398	52.743	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	28353	44.019	ug/l	96
82) 4-Chlorotoluene	13.01	91	384641	48.970	ug/l	97
83) tert-Butylbenzene	13.23	119	437825	51.544	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	491354	49.937	ug/l	97
85) sec-Butylbenzene	13.40	105	616234	53.720	ug/l	100
86) p-Isopropyltoluene	13.52	119	579852	53.419	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	290675	51.613	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	284202	51.152	ug/l	98
89) n-Butylbenzene	13.85	91	532763	52.728	ug/l	99
90) Hexachloroethane	14.12	117	104991	53.778	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	247150	50.923	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14708	47.425	ug/l	84

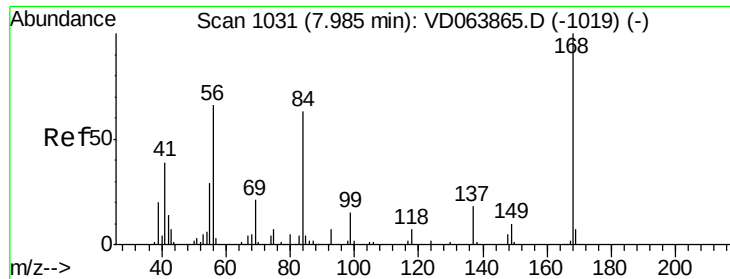
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	186072	49.687	ug/l	99
94) Hexachlorobutadiene	15.27	225	113645	54.992	ug/l	96
95) Naphthalene	15.41	128	311233	49.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	161322	49.929	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

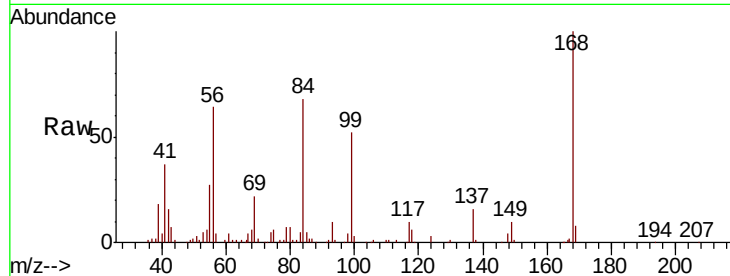
ClientSampleId :

Tot Ion:168 Resp: 201247

Ion Ratio Lower Upper

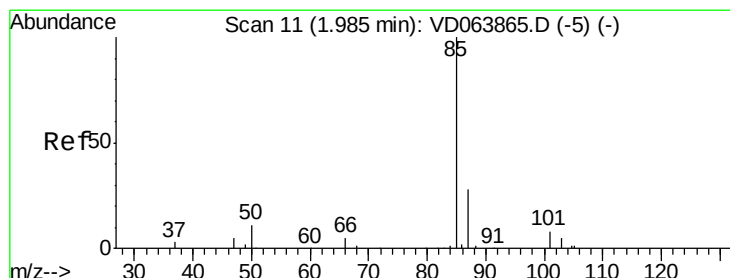
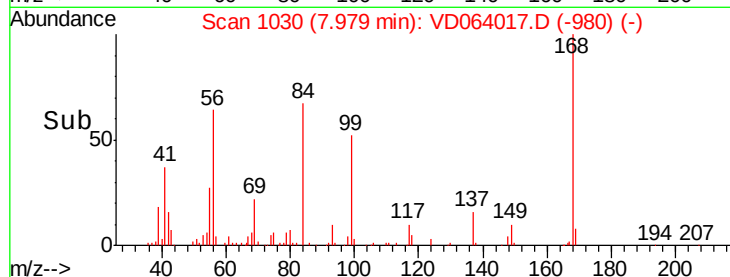
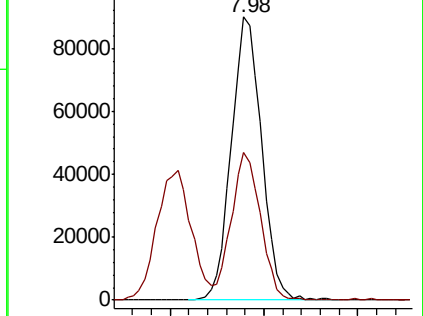
168 100

99 51.8 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.720 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064017.D

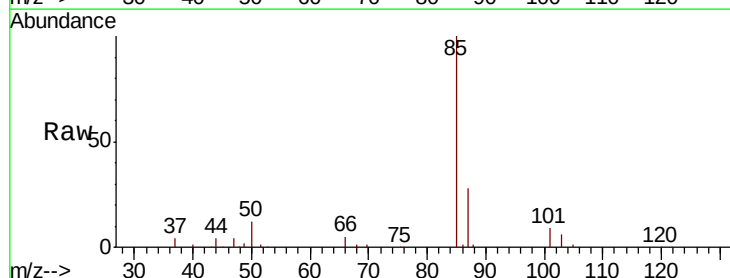
Acq: 23 Oct 2019 13:20

Tgt Ion: 85 Resp: 68105

Ion Ratio Lower Upper

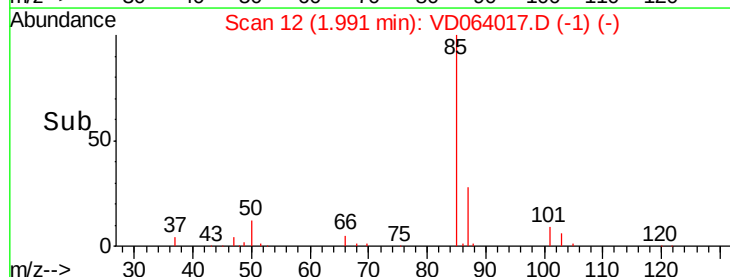
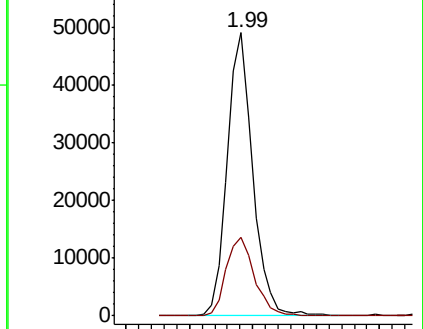
85 100

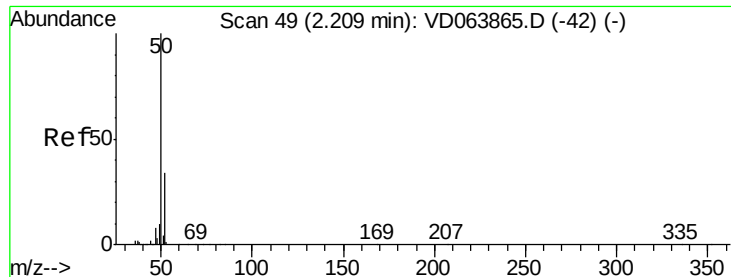
87 27.7 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

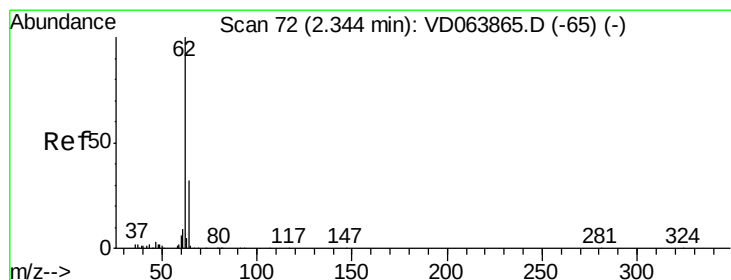
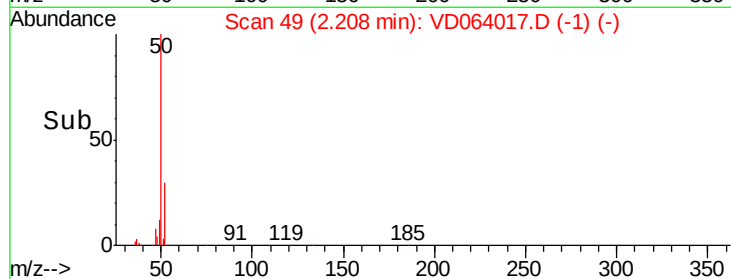
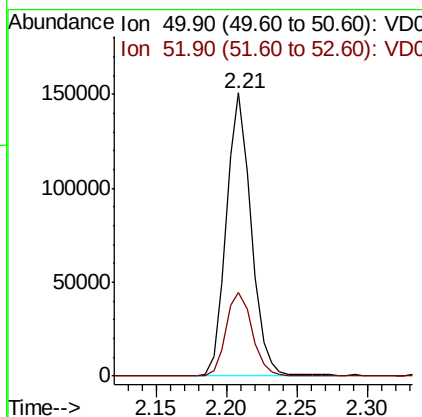
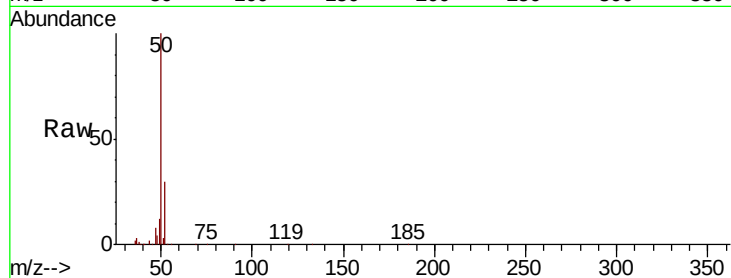




#3
Chloromethane
Concen: 47.641 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

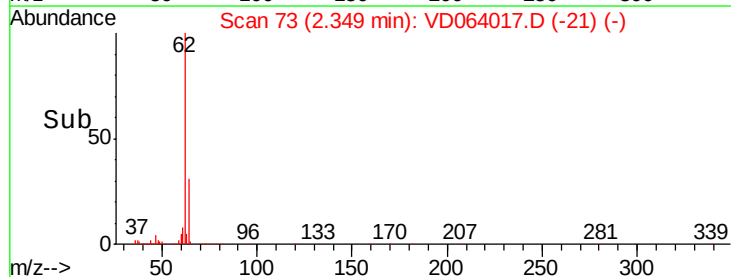
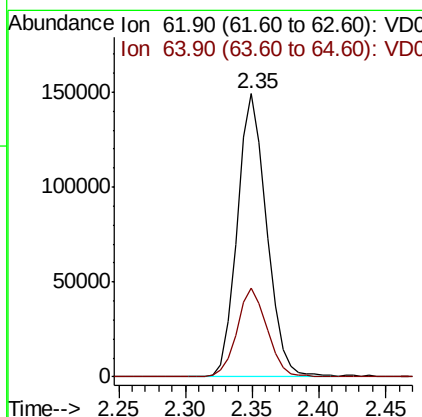
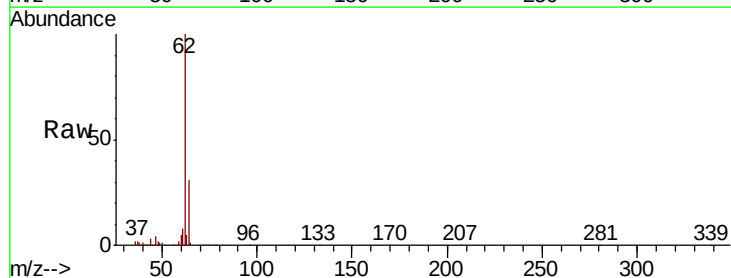
Instrument :
MSVOA_D
ClientSampleId :

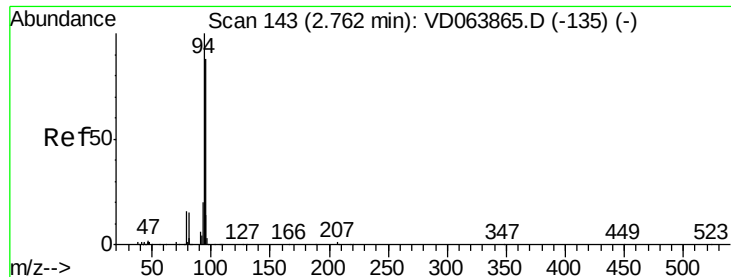
Tot Ion: 50 Resp: 184459
Ion Ratio Lower Upper
50 100
52 29.5 27.5 41.3



#4
Vinyl Chloride
Concen: 49.196 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion: 62 Resp: 226928
Ion Ratio Lower Upper
62 100
64 31.4 25.4 38.0





#5

Bromomethane

Concen: 47.266 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

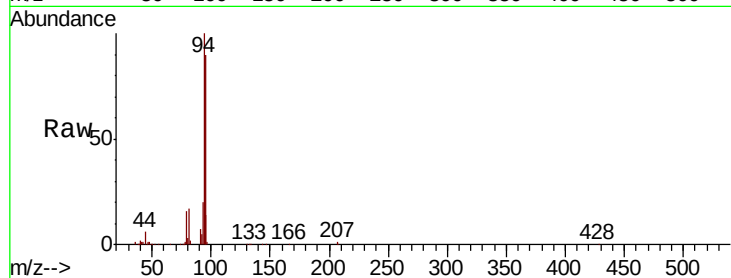
ClientSampleId :

Tot Ion: 94 Resp: 140168

Ion Ratio Lower Upper

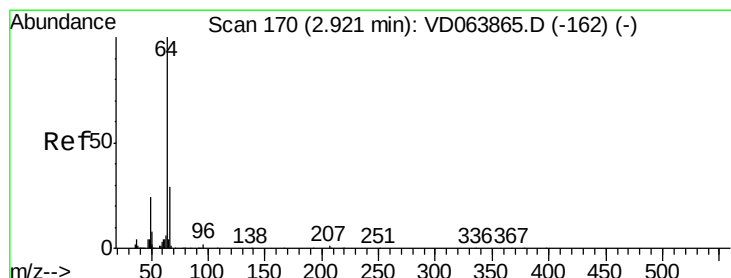
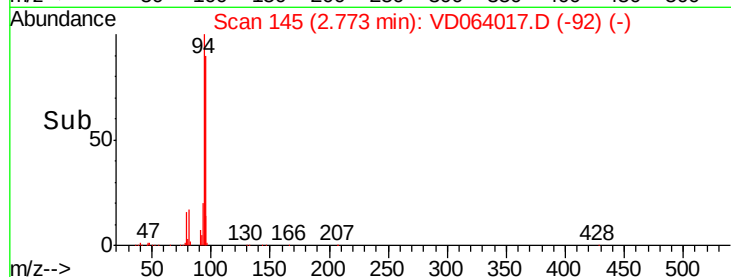
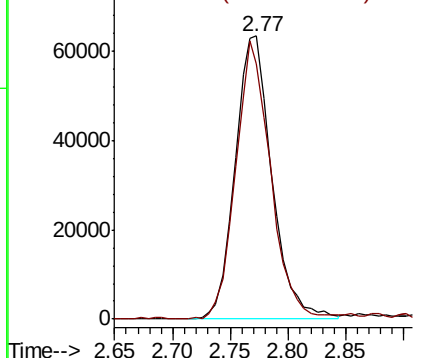
94 100

96 90.3 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.155 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064017.D

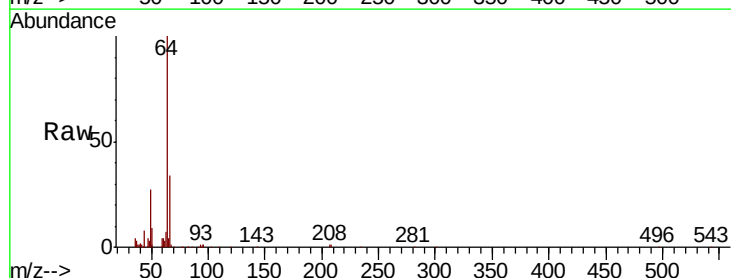
Acq: 23 Oct 2019 13:20

Tgt Ion: 64 Resp: 143848

Ion Ratio Lower Upper

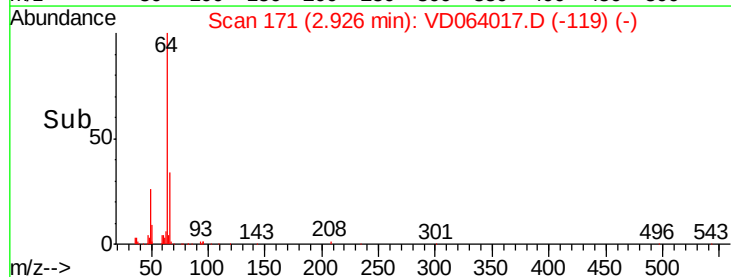
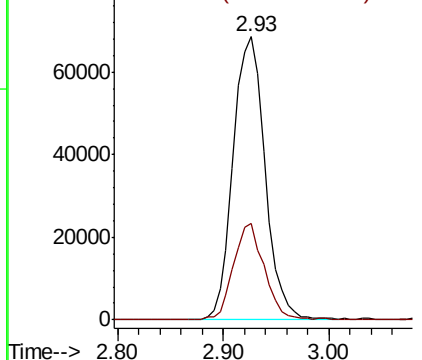
64 100

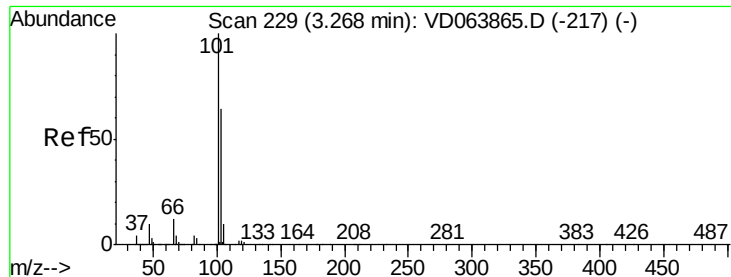
66 34.3 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



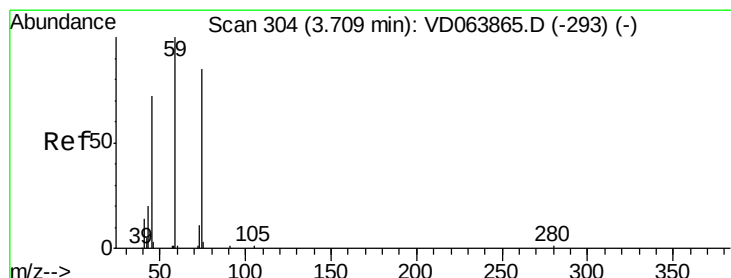
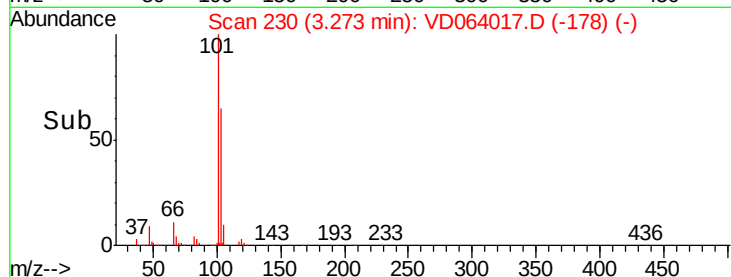
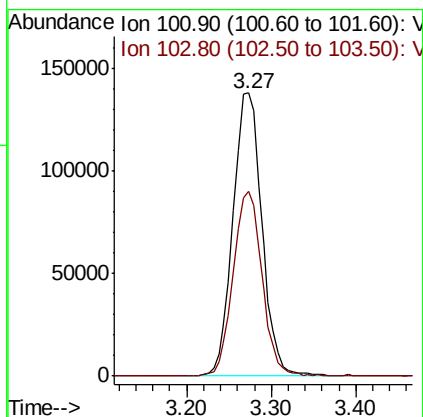
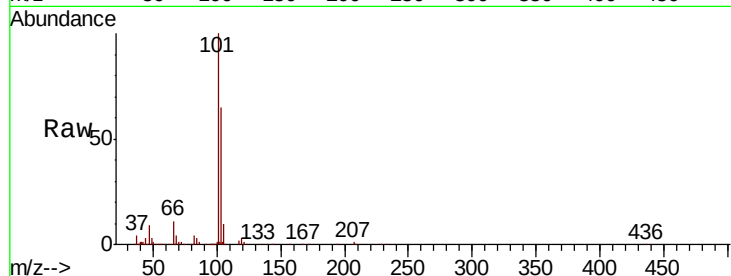


#7

Trichlorofluoromethane
 Concen: 53.509 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :

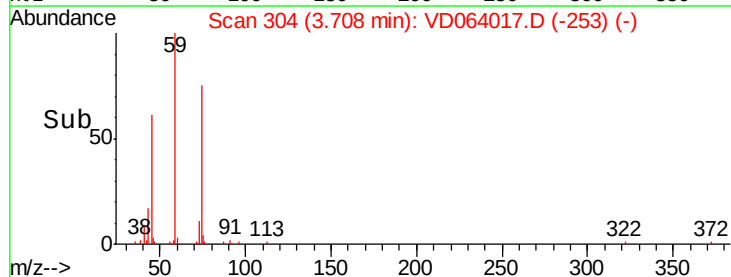
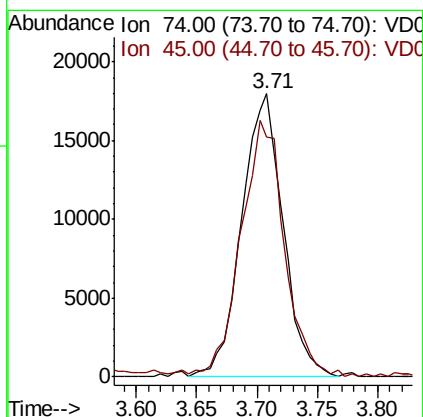
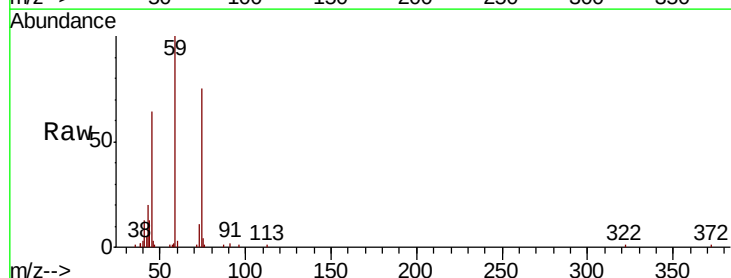
Tot Ion:101 Resp: 326336
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.1 76.7

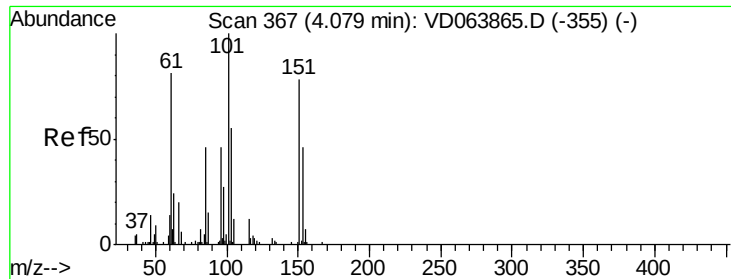


#8

Diethyl Ether
 Concen: 43.955 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Tgt Ion: 74 Resp: 43027
 Ion Ratio Lower Upper
 74 100
 45 95.1 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.896 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

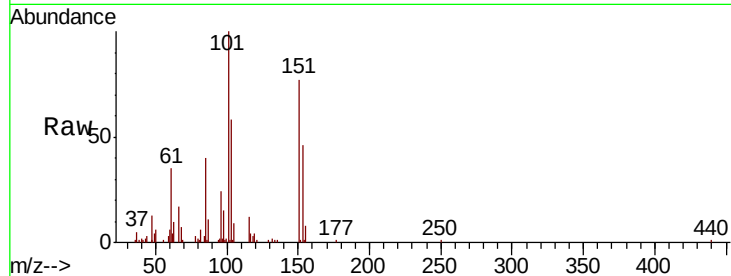
Tot Ion:101 Resp: 89298

Ion Ratio Lower Upper

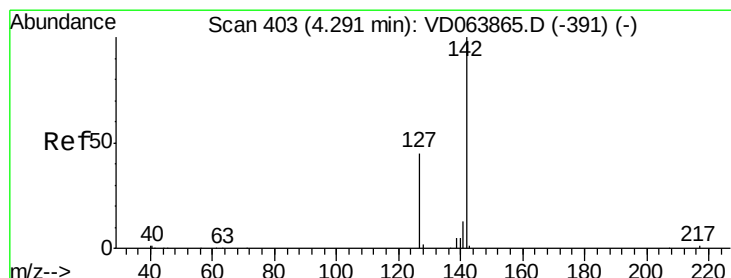
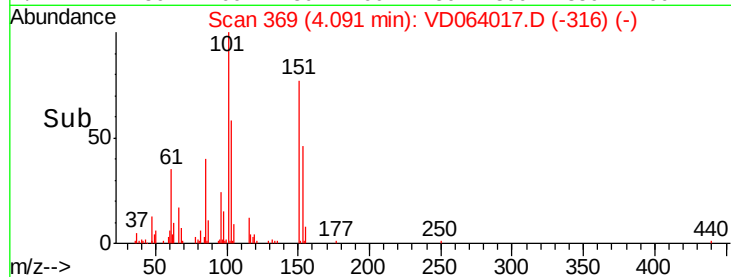
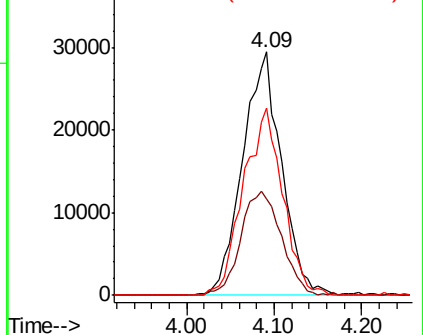
101 100

85 44.3 37.5 56.3

151 77.7 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: 45.835 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

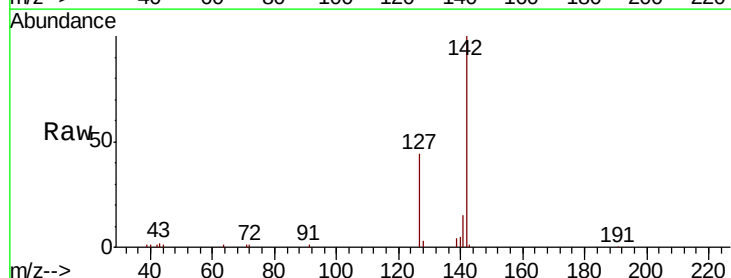
Tgt Ion:142 Resp: 106620

Ion Ratio Lower Upper

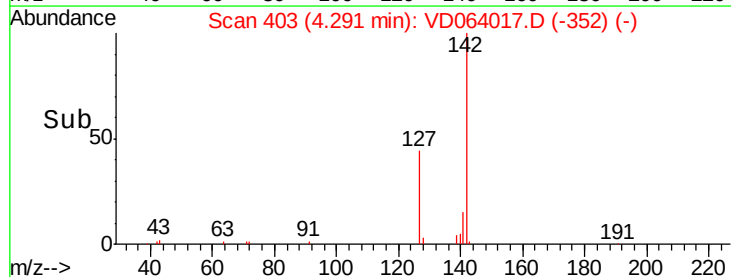
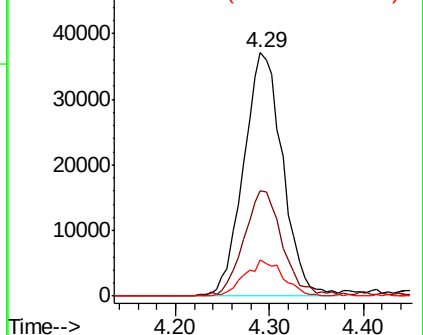
142 100

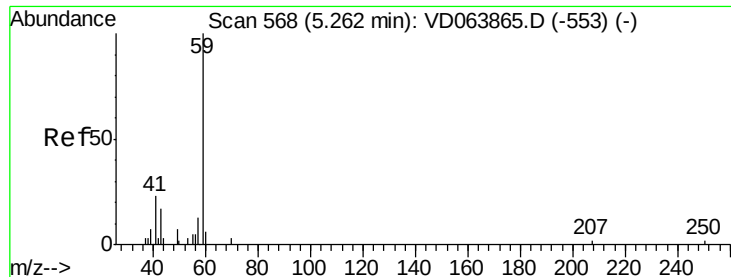
127 43.3 35.3 52.9

141 14.7 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: 226.000 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.02 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

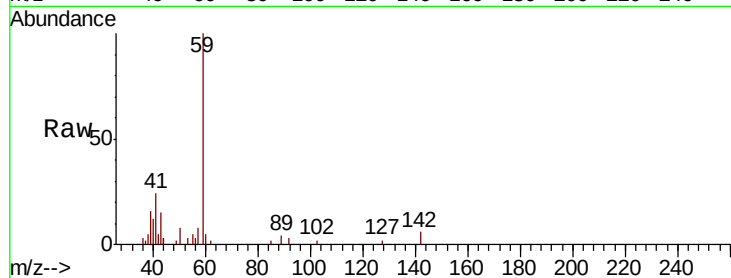
ClientSampleId :

Tot Ion: 59 Resp: 30867

Ion Ratio Lower Upper

59 100

57 10.2 8.8 13.2



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.24

8000

6000

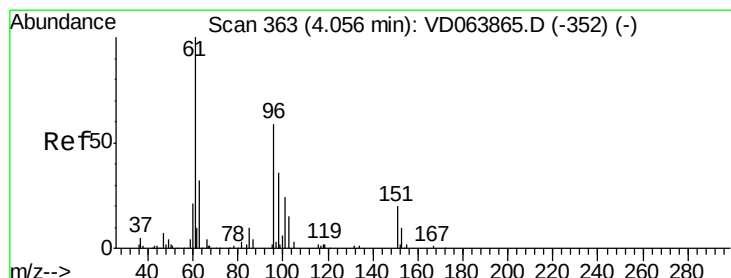
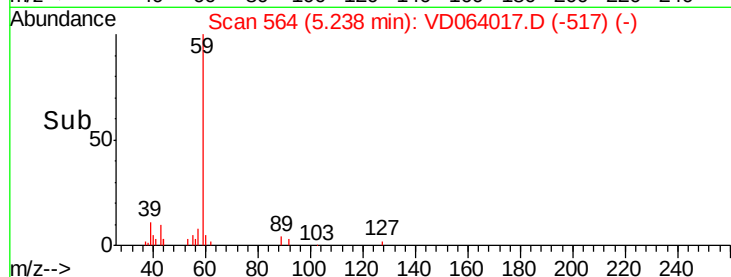
4000

2000

0

Time-->

5.10 5.20 5.30 5.40



#12

1,1-Dichloroethene

Concen: 48.493 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

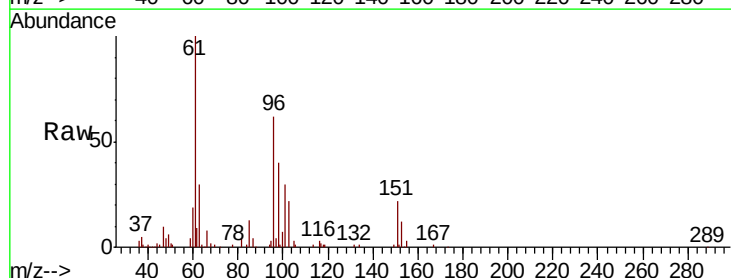
Tgt Ion: 96 Resp: 81790

Ion Ratio Lower Upper

96 100

61 162.0 135.6 203.4

98 64.8 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

60000

50000

40000

30000

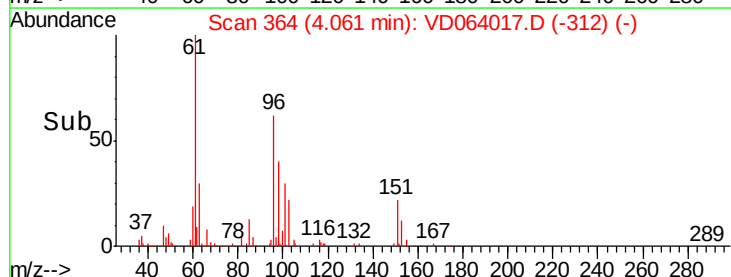
20000

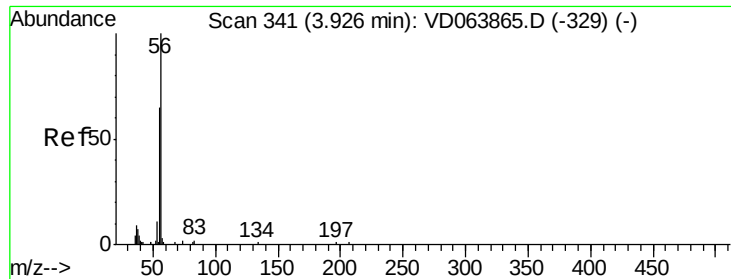
10000

0

Time-->

4.00 4.10





#13

Acrolein

Concen: 228.090 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

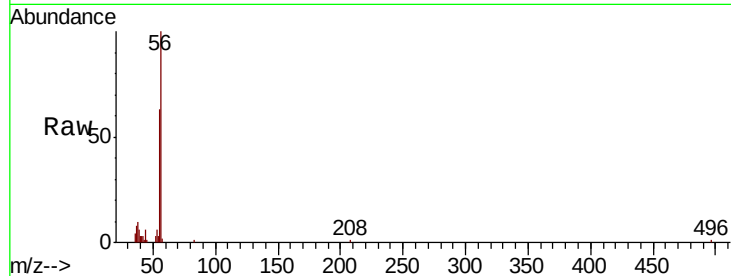
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 39914

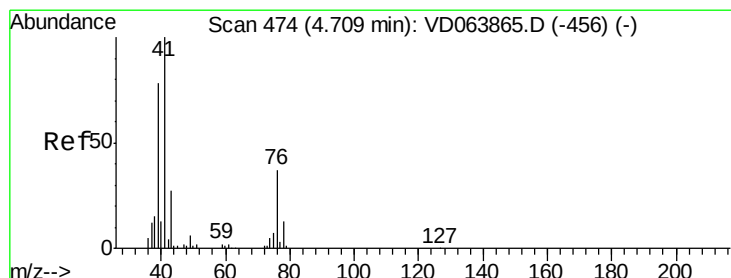
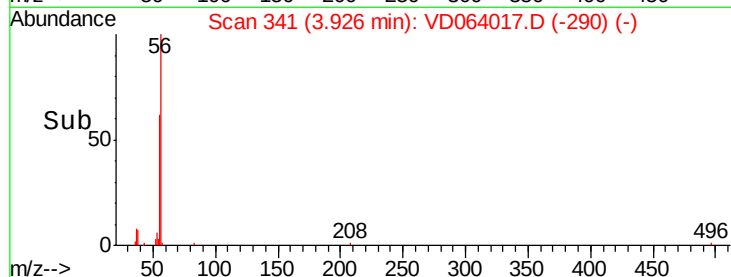
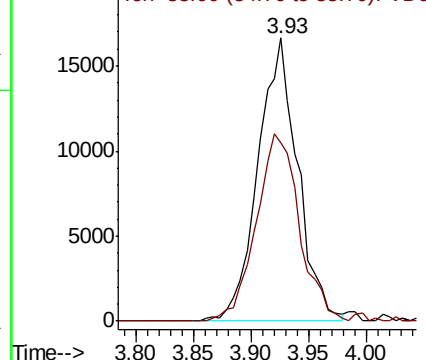
Ion Ratio Lower Upper

56 100

55 71.7 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: 45.180 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

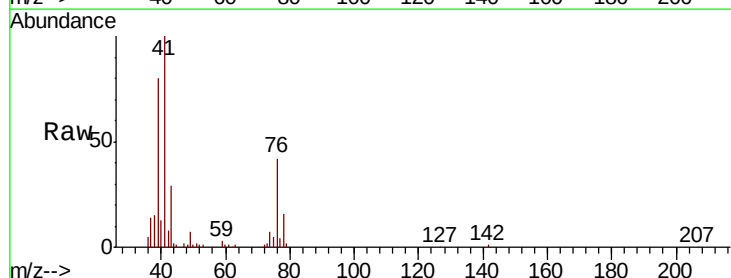
Tgt Ion: 41 Resp: 126689

Ion Ratio Lower Upper

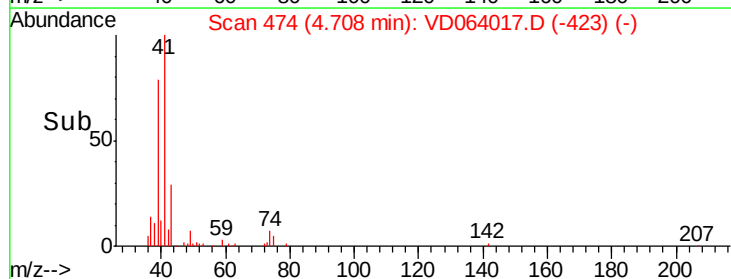
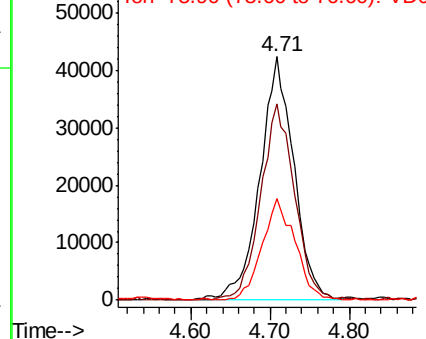
41 100

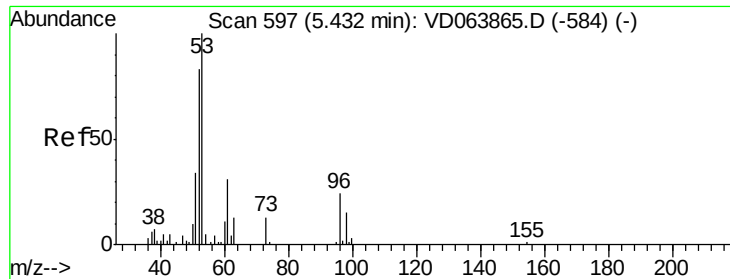
39 79.8 61.8 92.6

76 40.5 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: 229.353 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

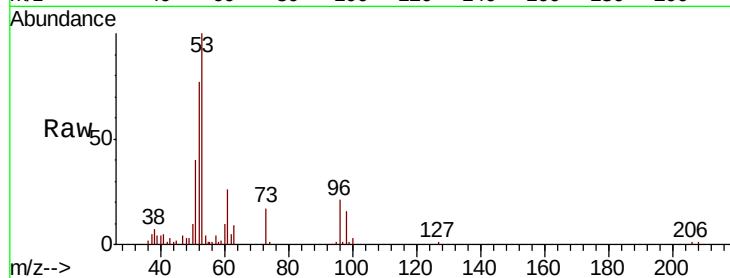
Tot Ion: 53 Resp: 98983

Ion Ratio Lower Upper

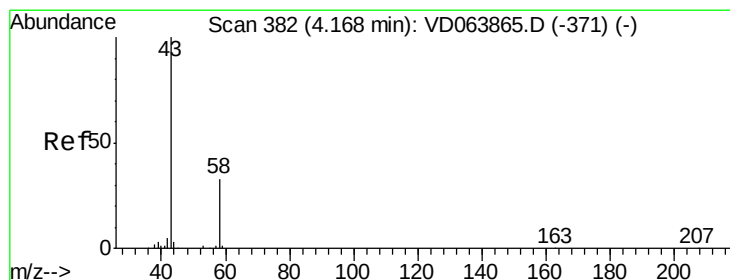
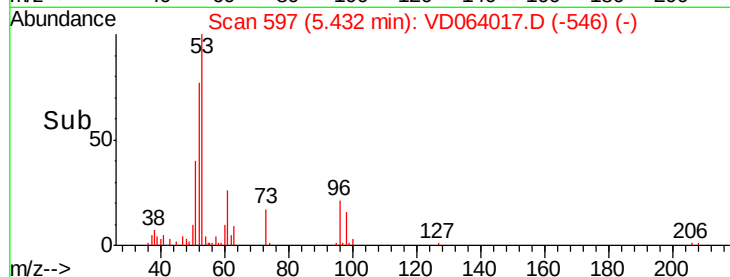
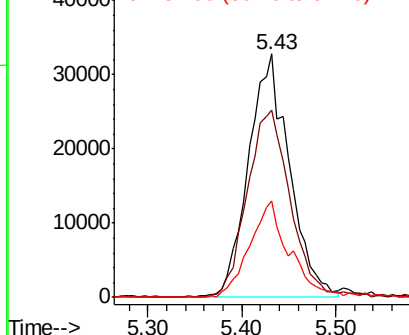
53 100

52 81.2 67.3 100.9

51 38.6 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: 215.695 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064017.D

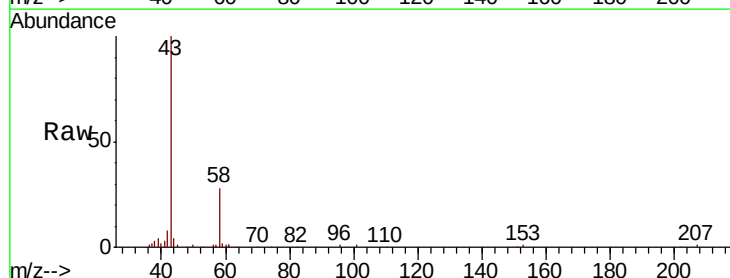
Acq: 23 Oct 2019 13:20

Tgt Ion: 43 Resp: 110028

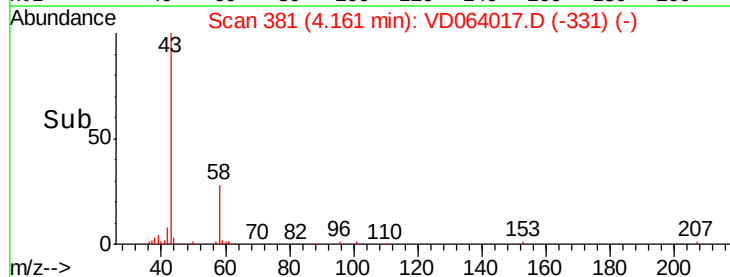
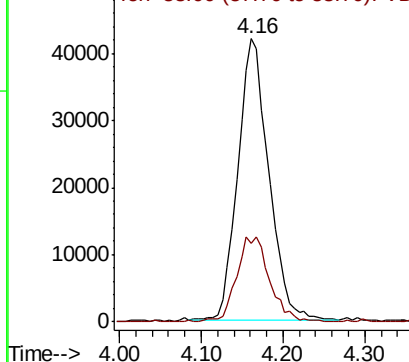
Ion Ratio Lower Upper

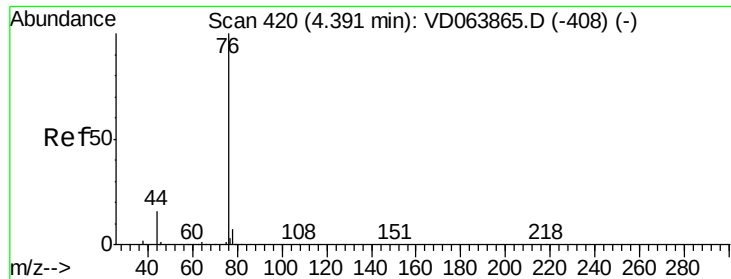
43 100

58 28.0 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: 41.204 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

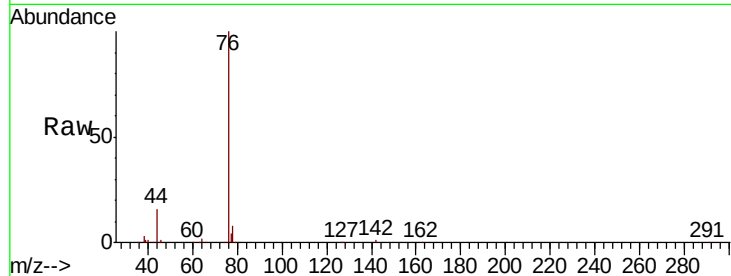
ClientSampleId :

Tot Ion: 76 Resp: 252620

Ion Ratio Lower Upper

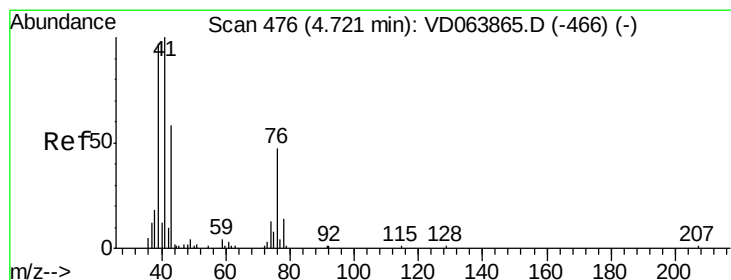
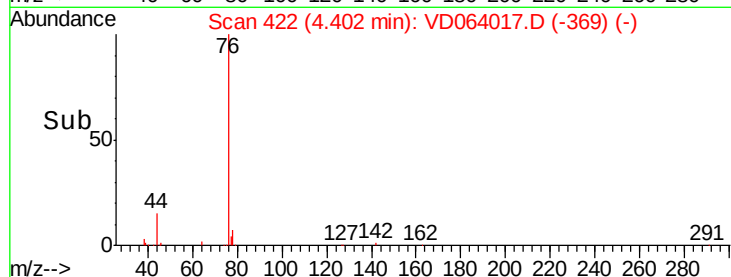
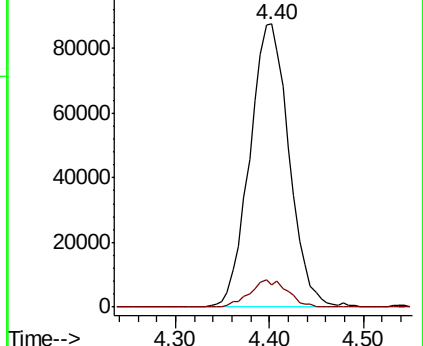
76 100

78 8.1 5.8 8.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 44.693 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064017.D

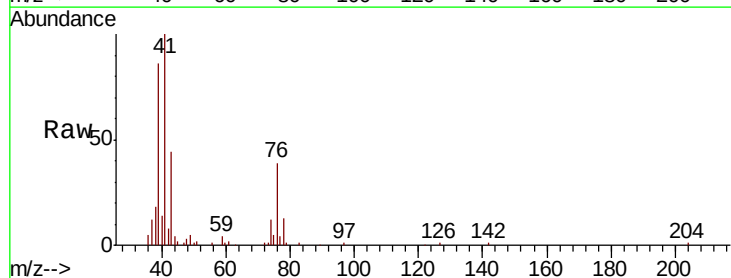
Acq: 23 Oct 2019 13:20

Tgt Ion: 43 Resp: 44591

Ion Ratio Lower Upper

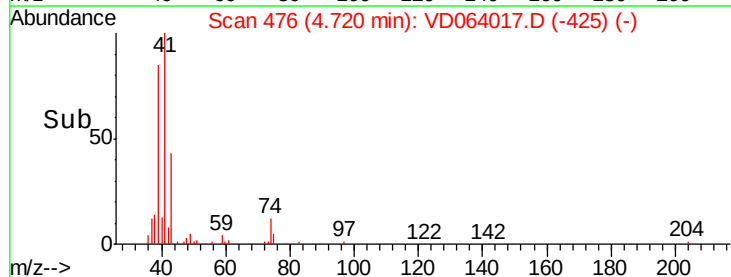
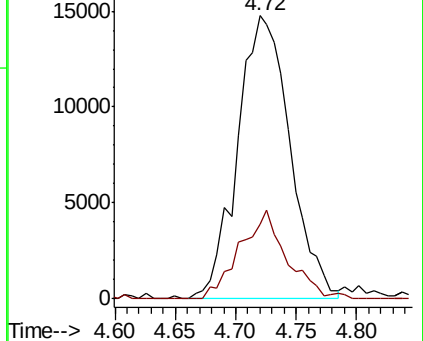
43 100

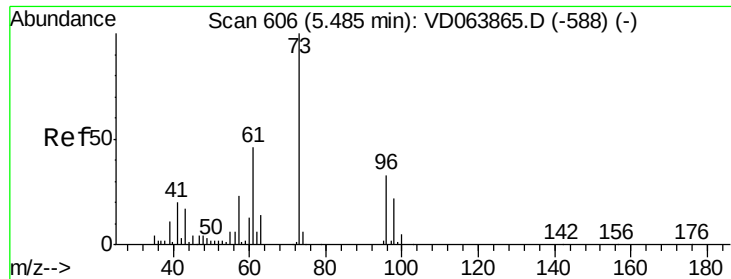
74 27.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

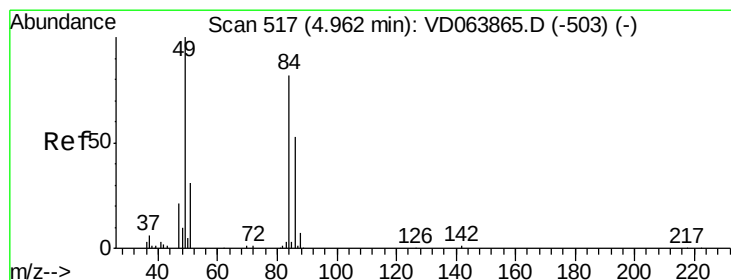
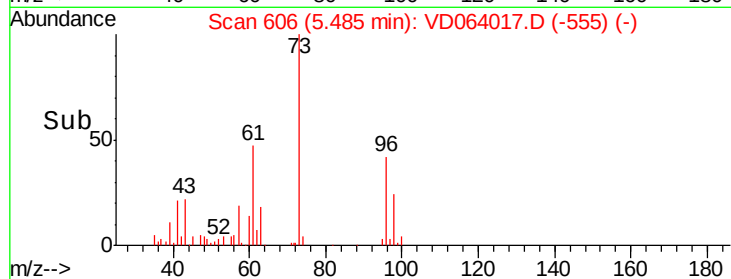
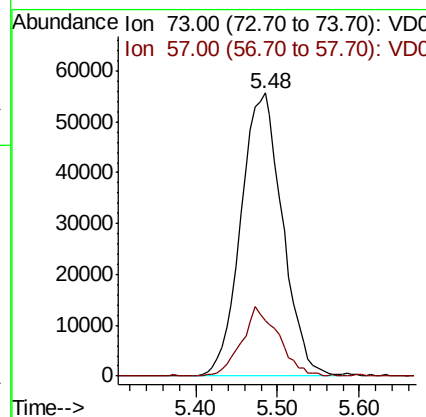
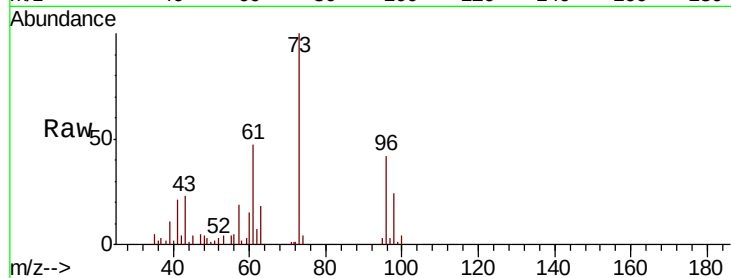




#19
Methyl tert-butyl Ether
Concen: 45.164 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

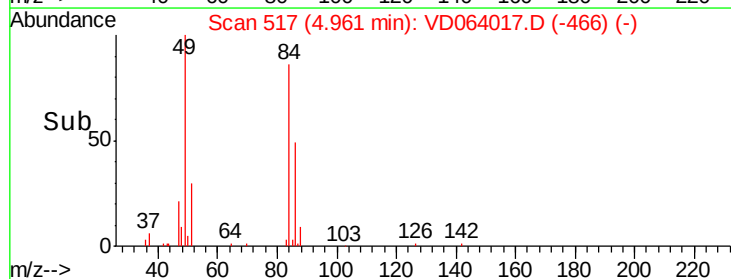
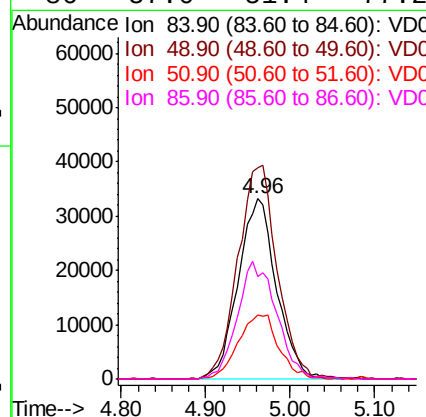
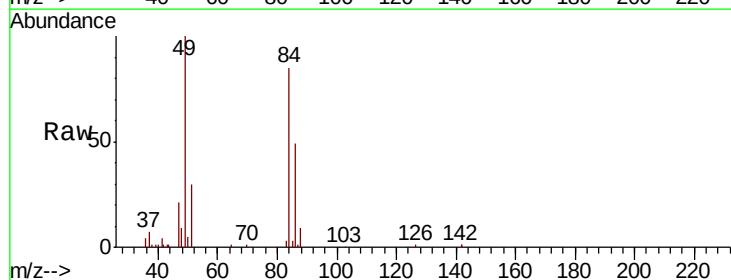
Instrument :
MSVOA_D
ClientSampleId :

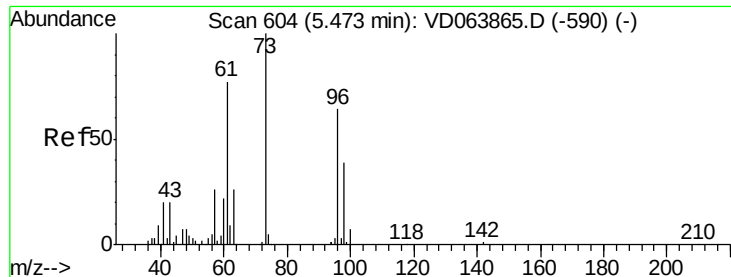
Tot Ion: 73 Resp: 197252
Ion Ratio Lower Upper
73 100
57 19.5 18.1 27.1



#20
Methylene Chloride
Concen: 45.889 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion: 84 Resp: 104427
Ion Ratio Lower Upper
84 100
49 116.7 97.3 145.9
51 35.3 30.1 45.1
86 57.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 48.387 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :

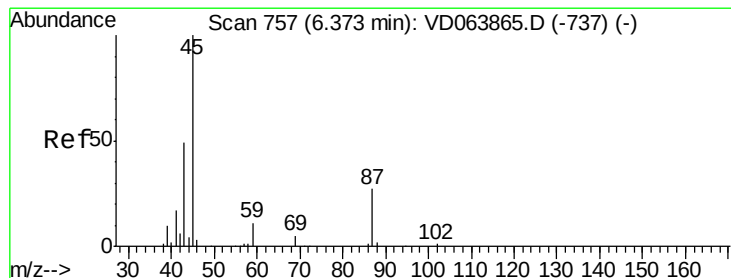
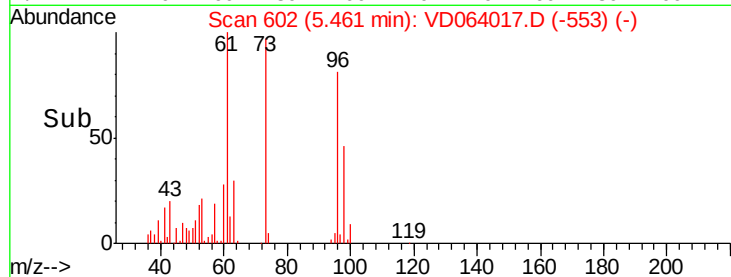
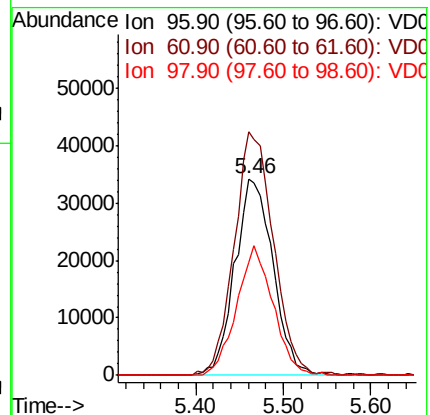
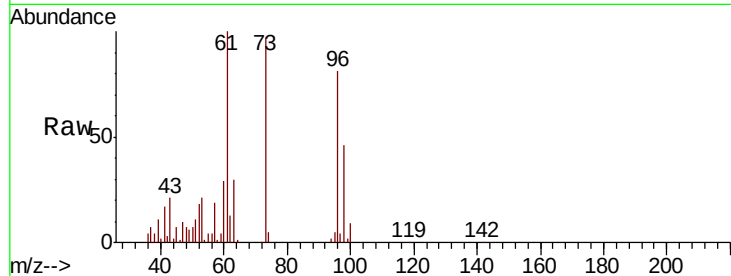
Tot Ion: 96 Resp: 101594

Ion Ratio Lower Upper

96 100

61 123.9 96.6 145.0

98 57.4 48.7 73.1



#22

Diisopropyl ether

Concen: 46.130 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Tgt Ion: 45 Resp: 264180

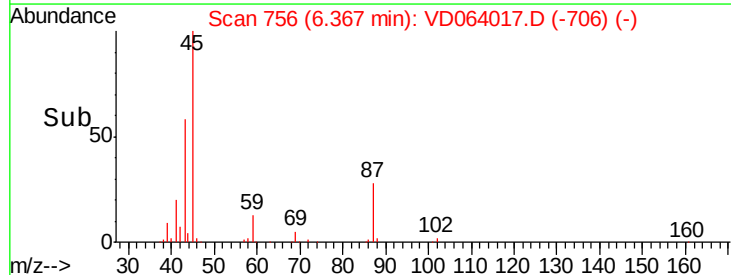
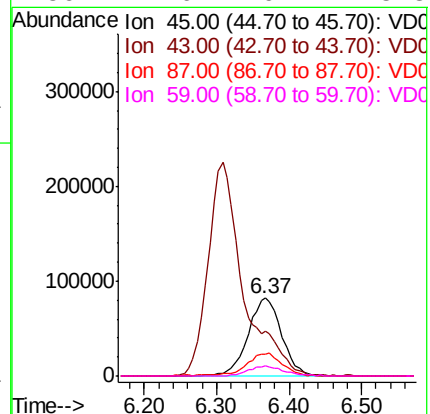
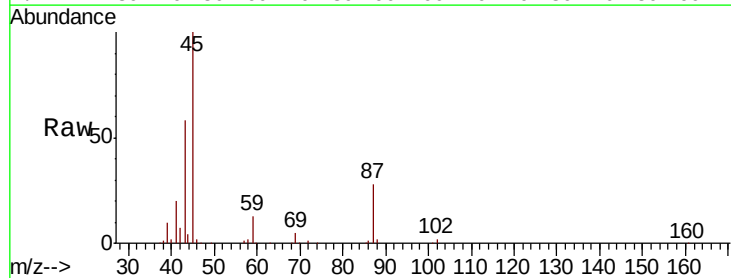
Ion Ratio Lower Upper

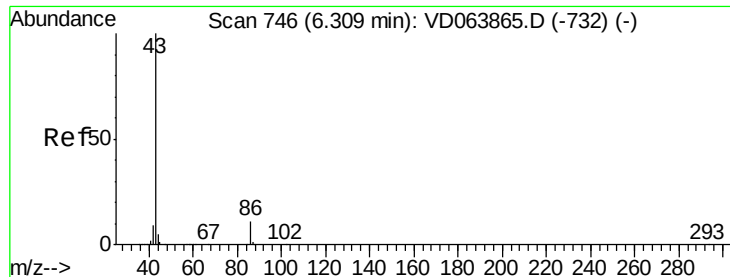
45 100

43 57.4 41.2 61.8

87 28.5 22.2 33.4

59 12.6 9.2 13.8





#23

Vinyl Acetate

Concen: 223.672 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

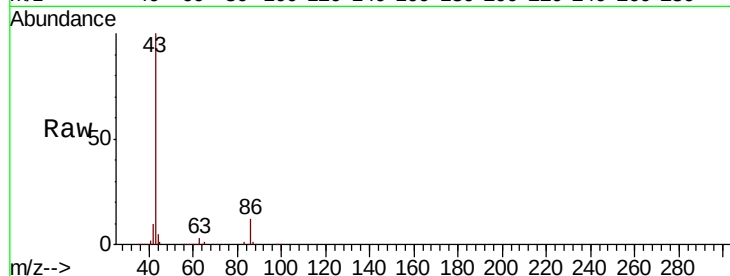
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 762015

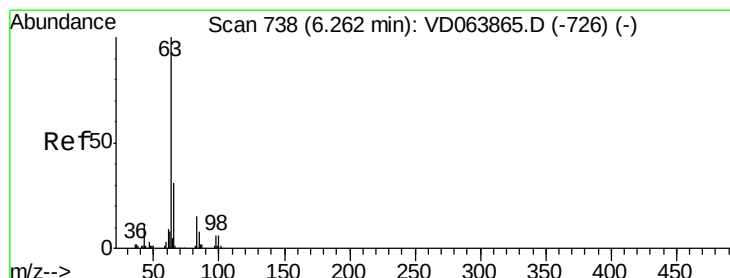
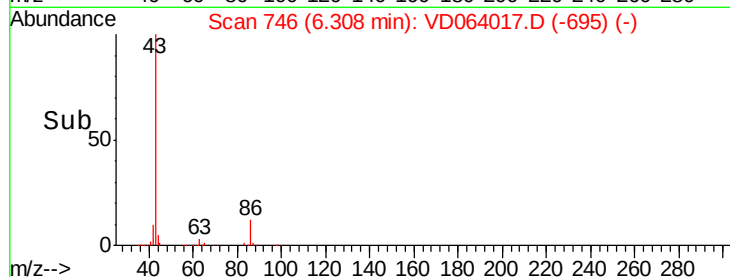
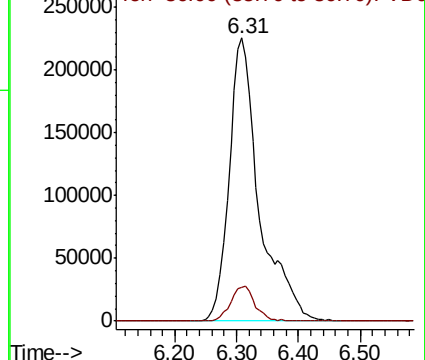
Ion Ratio Lower Upper

43 100

86 11.9 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.802 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

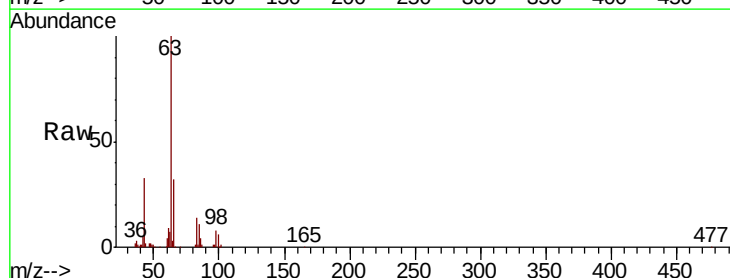
Tgt Ion: 63 Resp: 168623

Ion Ratio Lower Upper

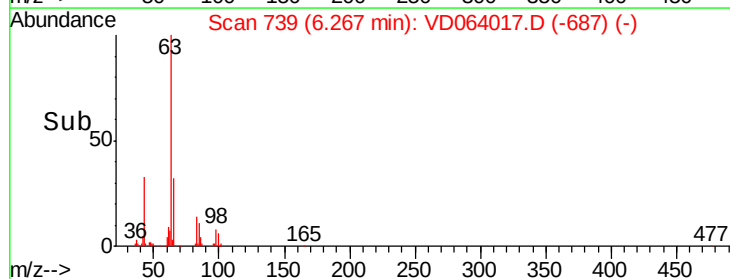
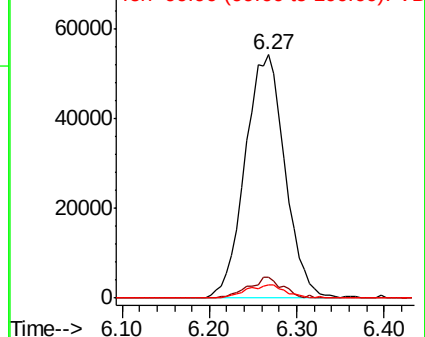
63 100

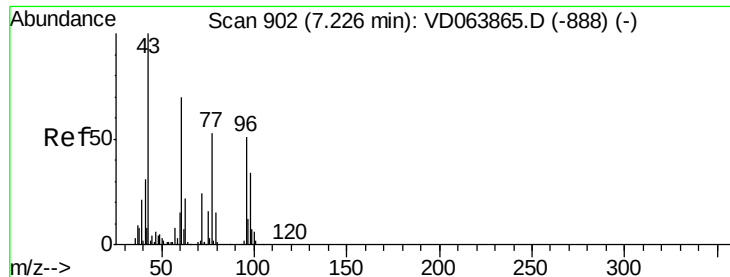
98 8.5 3.1 9.4

100 5.5 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





#25

2-Butanone

Concen: 220.946 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

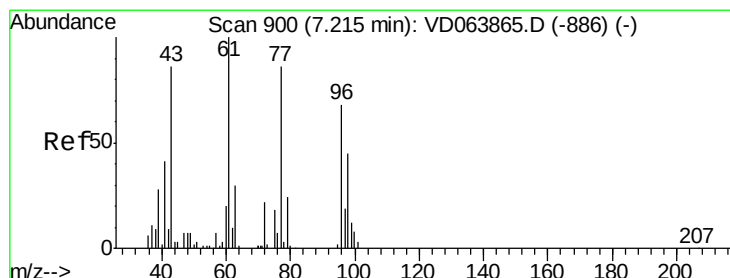
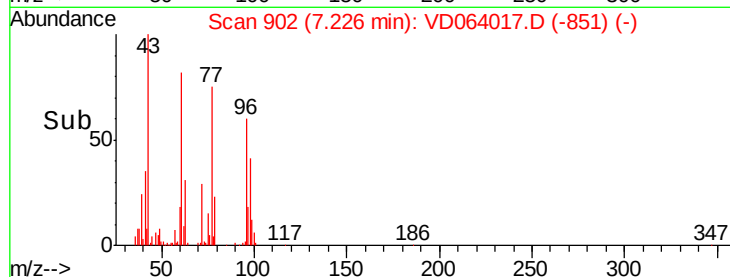
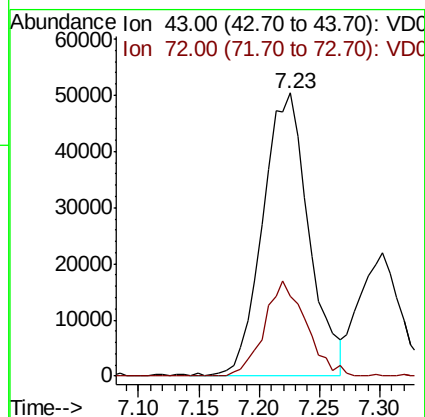
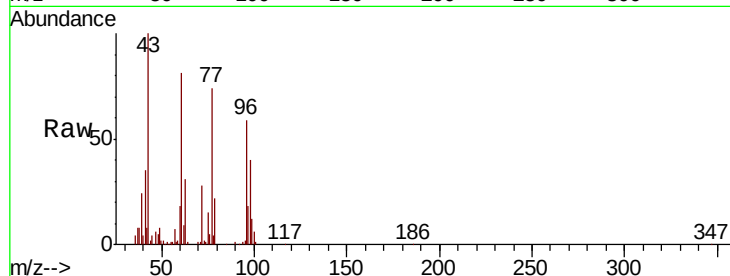
ClientSampled :

Tot Ion: 43 Resp: 133570

Ion Ratio Lower Upper

43 100

72 28.4 19.2 28.8



#26

2,2-Dichloropropane

Concen: 48.809 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064017.D

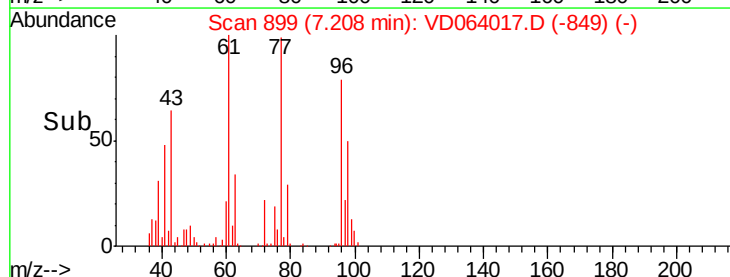
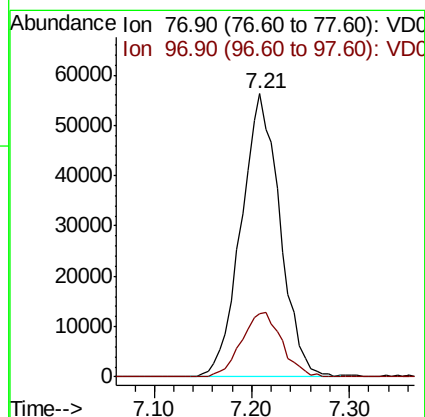
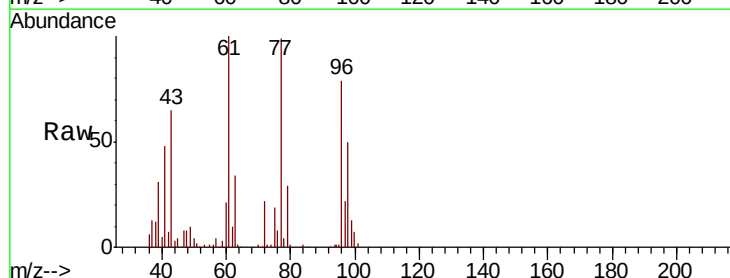
Acq: 23 Oct 2019 13:20

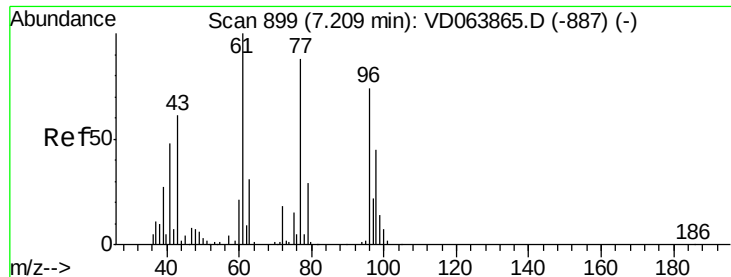
Tgt Ion: 77 Resp: 155748

Ion Ratio Lower Upper

77 100

97 23.6 11.4 34.1



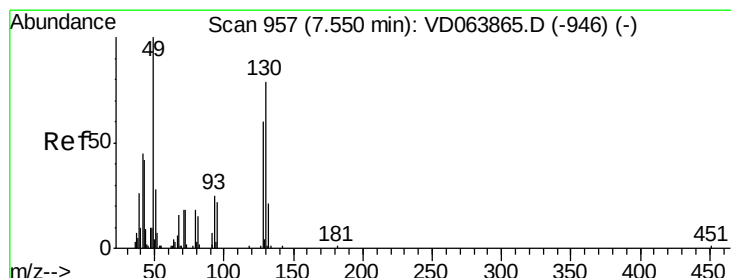
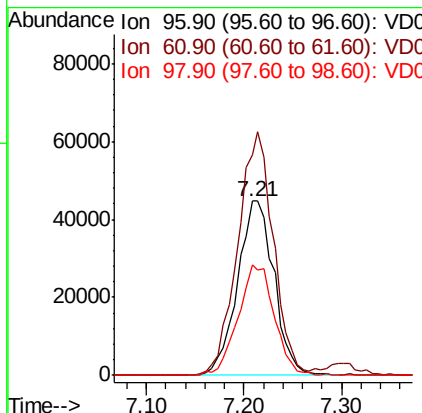
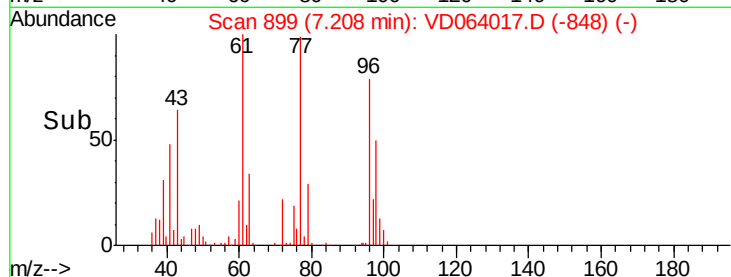
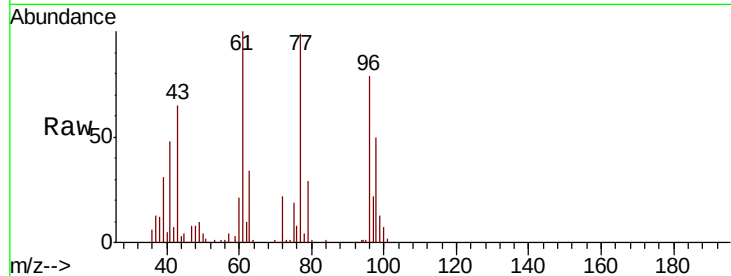


#27

cis-1,2-Dichloroethene
Concen: 48.962 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampled :

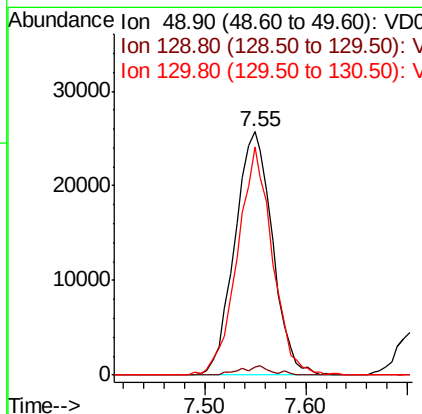
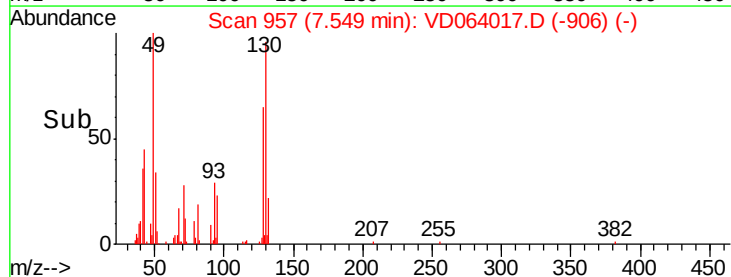
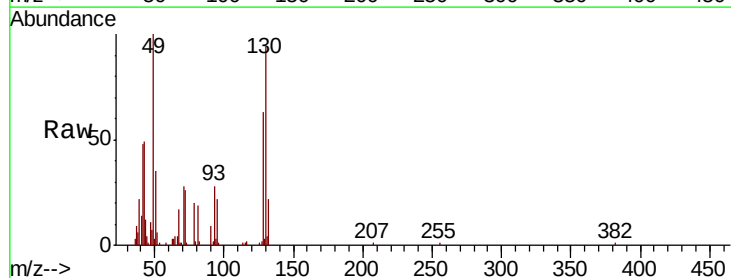
Tot Ion: 96 Resp: 116360
Ion Ratio Lower Upper
96 100
61 136.4 0.0 280.0
98 63.0 0.0 130.4

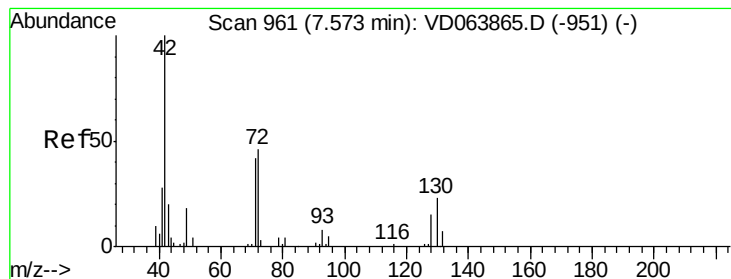


#28

Bromochloromethane
Concen: 49.312 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion: 49 Resp: 66097
Ion Ratio Lower Upper
49 100
129 2.7 0.0 5.6
130 87.0 66.8 100.2





#29

Tetrahydrofuran

Concen: 214.339 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampled :

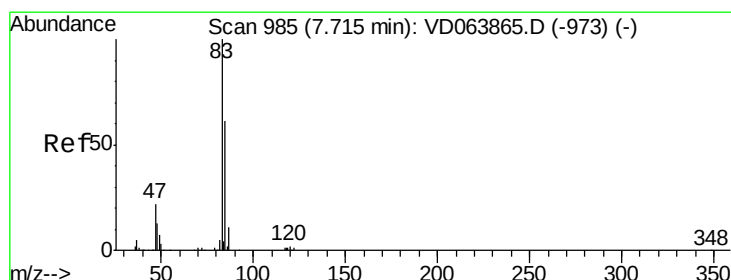
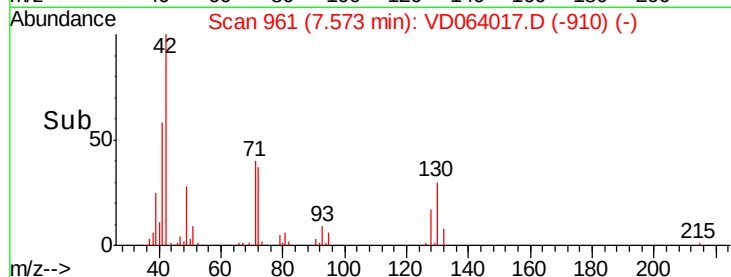
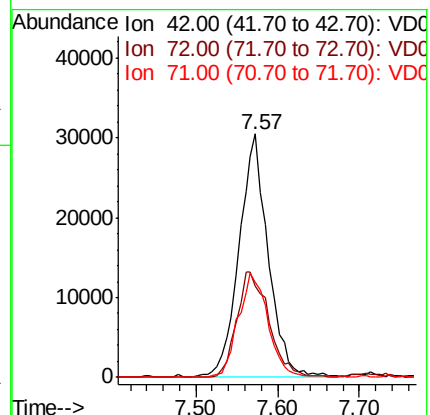
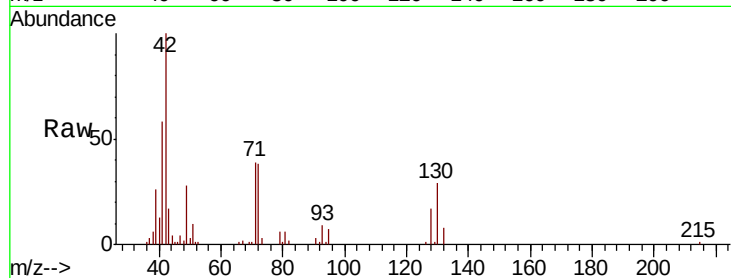
Tot Ion: 42 Resp: 75631

Ion Ratio Lower Upper

42 100

72 48.0 37.6 56.4

71 43.5 35.0 52.6



#30

Chloroform

Concen: 48.545 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064017.D

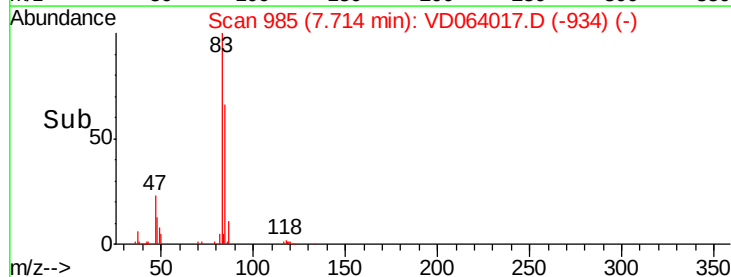
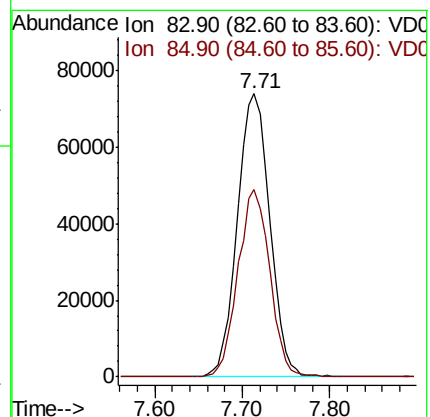
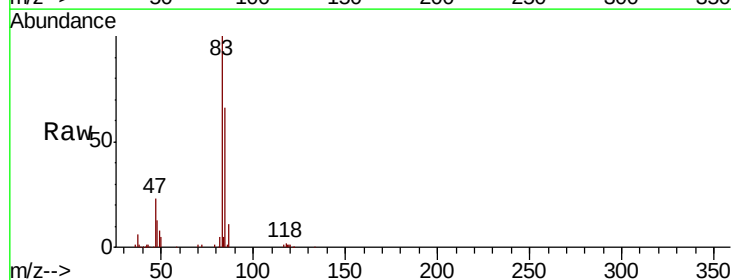
Acq: 23 Oct 2019 13:20

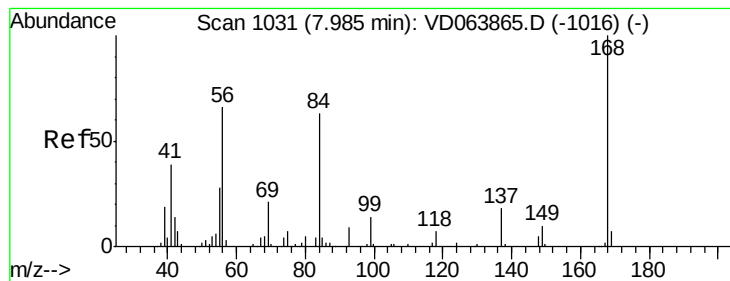
Tgt Ion: 83 Resp: 185993

Ion Ratio Lower Upper

83 100

85 66.2 48.9 73.3





#31

Cyclohexane

Concen: 52.459 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :

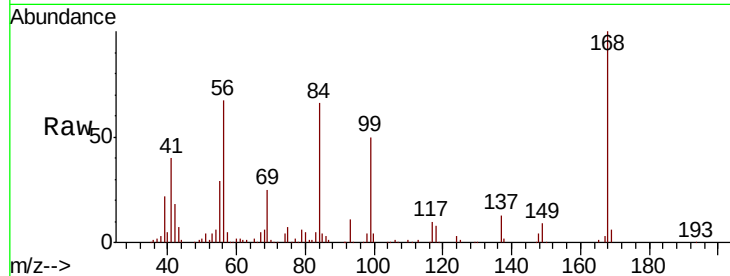
Tot Ion: 56 Resp: 152422

Ion Ratio Lower Upper

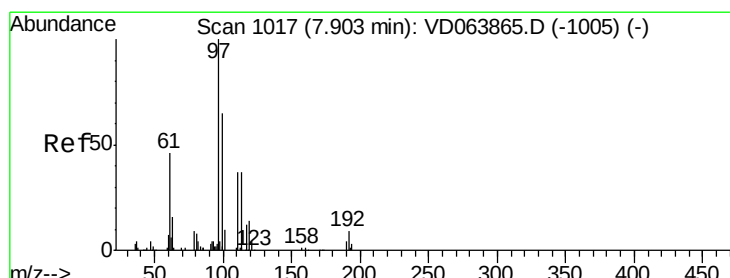
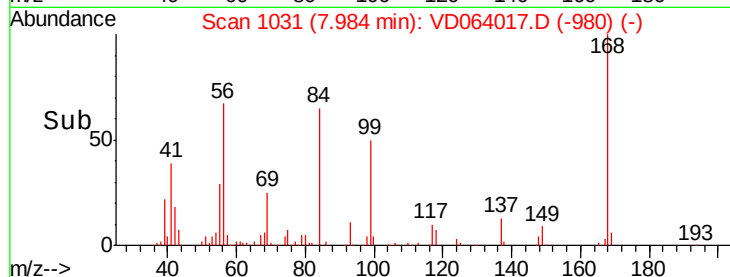
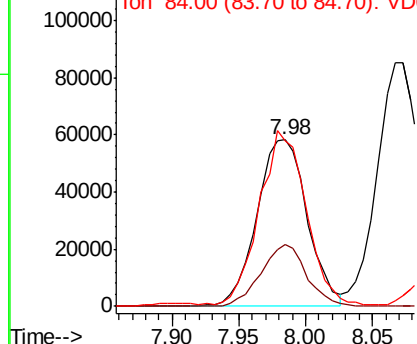
56 100

69 37.3 25.0 37.4

84 97.5 76.3 114.5



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



#32

1,1,1-Trichloroethane

Concen: 49.722 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

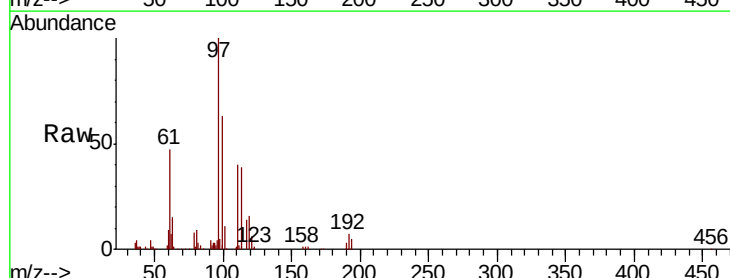
Tgt Ion: 97 Resp: 163412

Ion Ratio Lower Upper

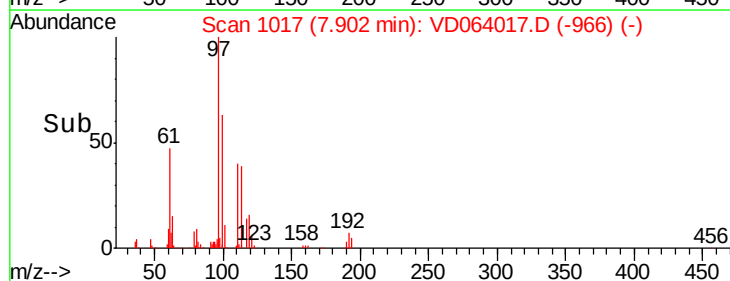
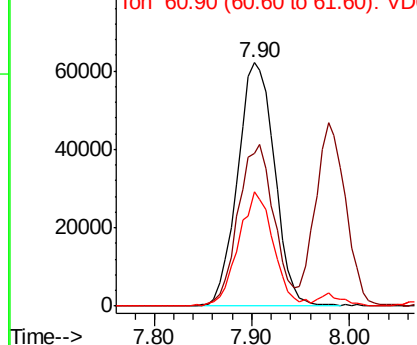
97 100

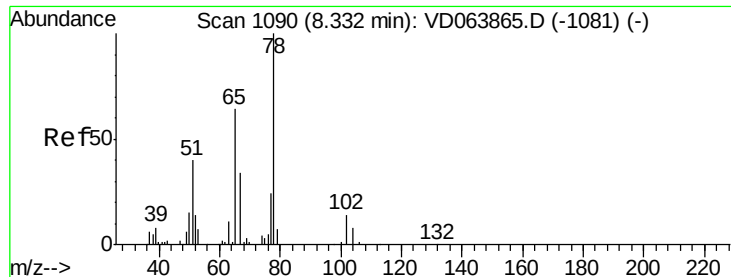
99 64.5 52.4 78.6

61 44.4 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: 43.264 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

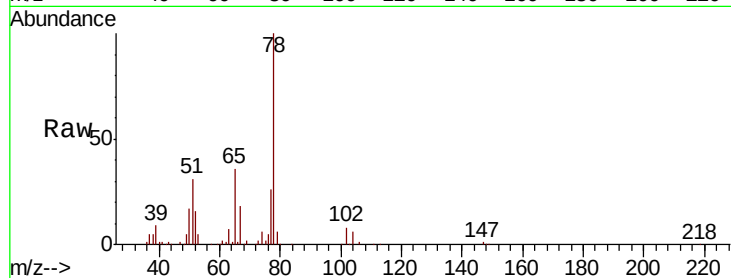
ClientSampleId :

Tot Ion: 65 Resp: 84766

Ion Ratio Lower Upper

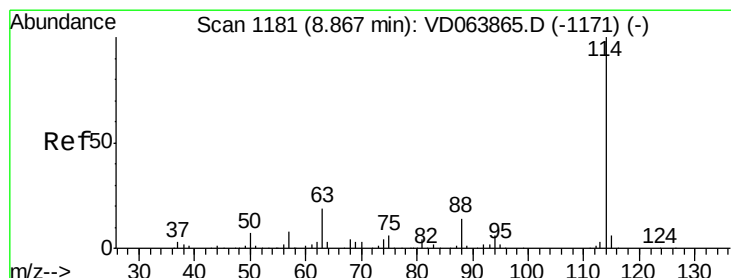
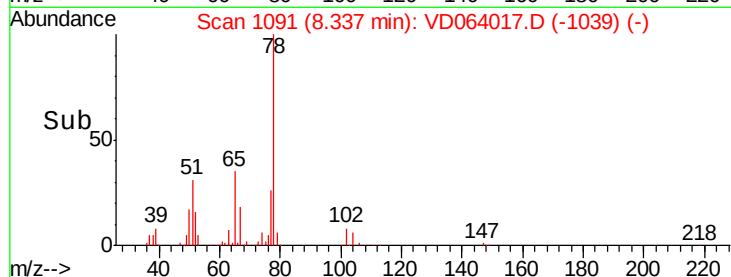
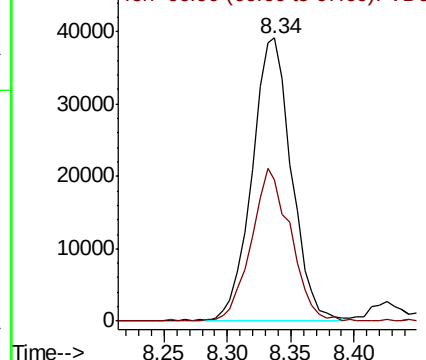
65 100

67 53.9 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: VD064017.D

Acq: 23 Oct 2019 13:20

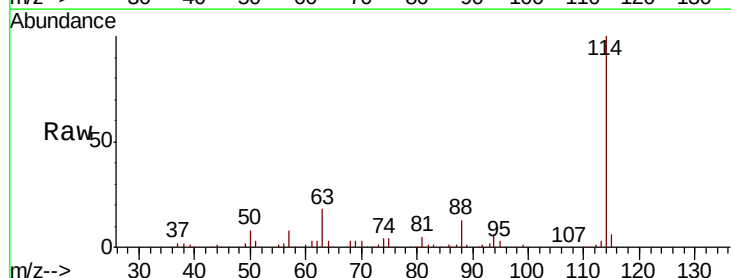
Tgt Ion: 114 Resp: 304631

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

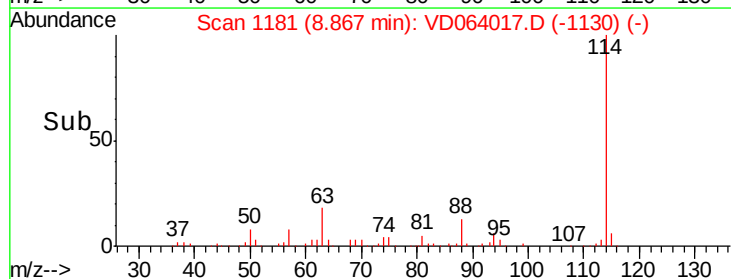
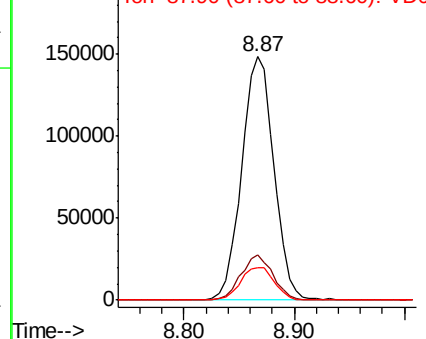
88 13.3 0.0 27.4

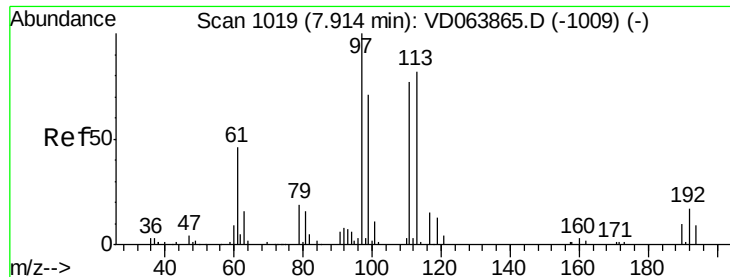


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

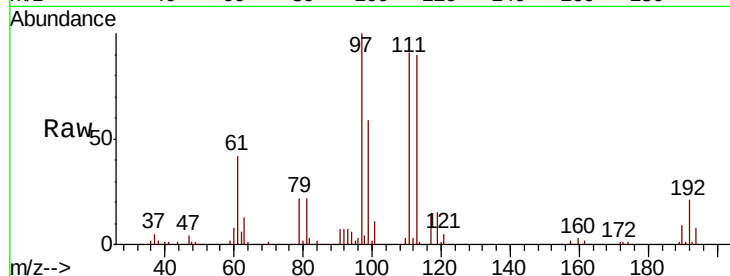




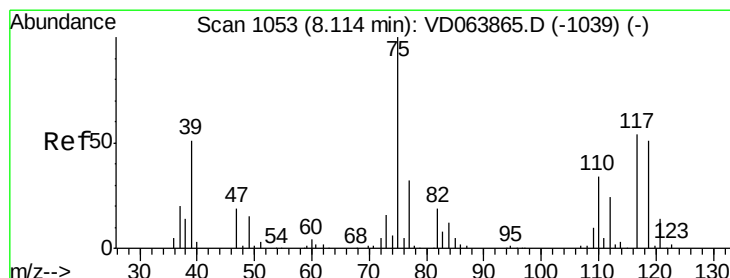
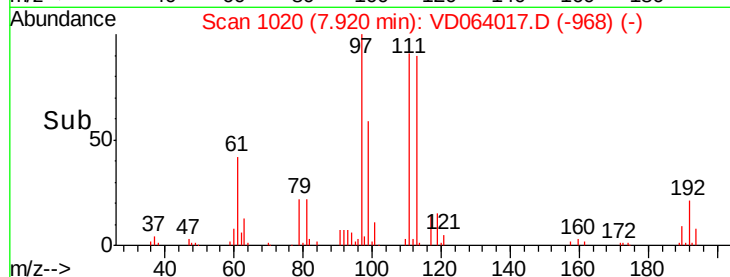
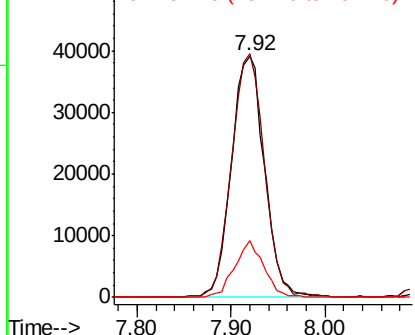
#35
Dibromofluoromethane
Concen: 51.272 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:113 Resp: 95452
Ion Ratio Lower Upper
113 100
111 100.6 82.6 123.8
192 20.5 17.1 25.7

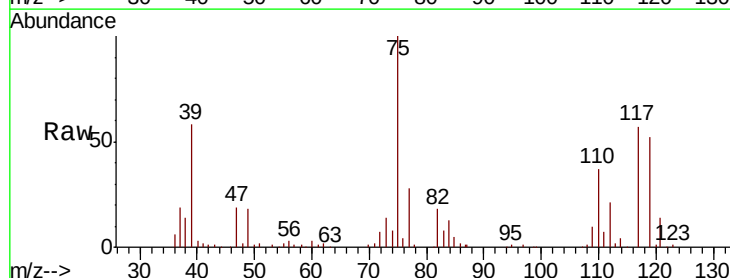


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

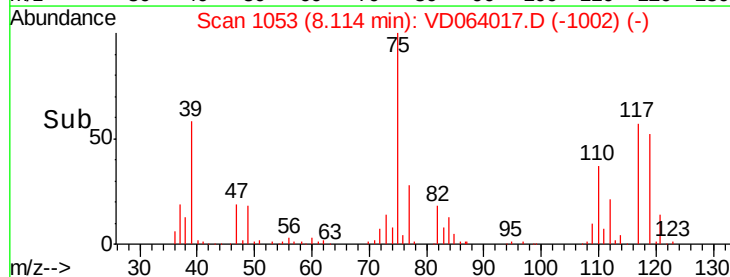
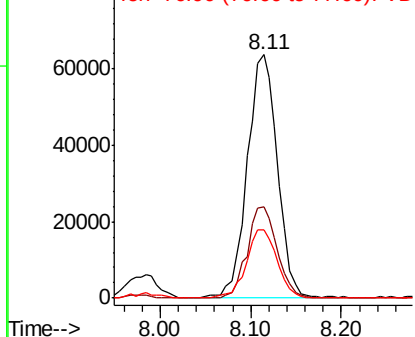


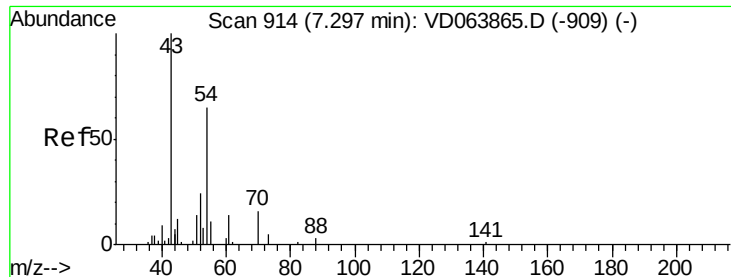
#36
1,1-Dichloropropene
Concen: 52.586 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion: 75 Resp: 146470
Ion Ratio Lower Upper
75 100
110 37.1 17.4 52.3
77 28.7 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

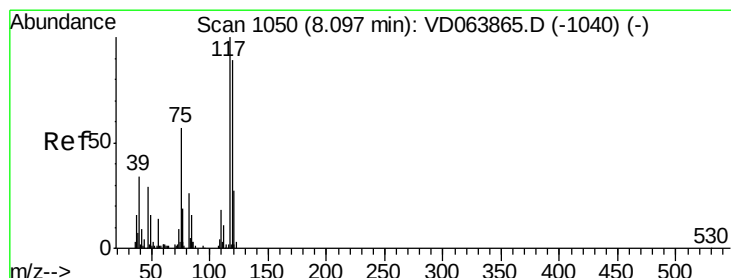
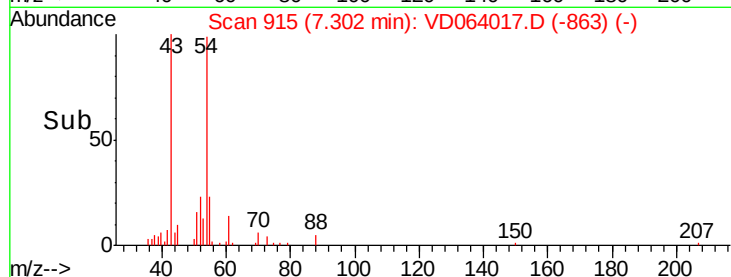
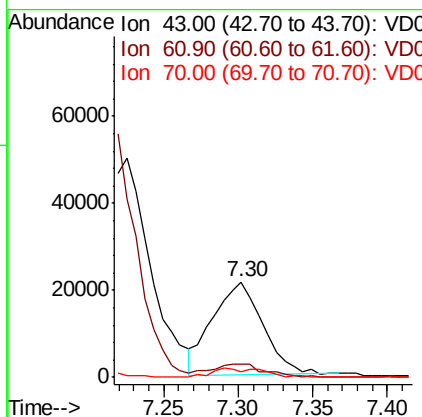
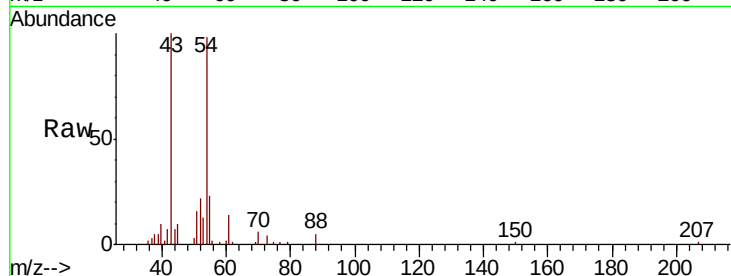




#37
Ethyl Acetate
Concen: 43.864 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

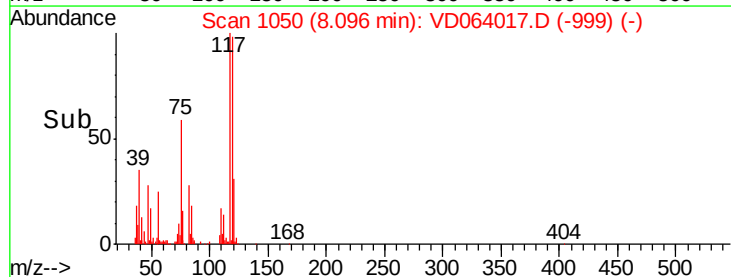
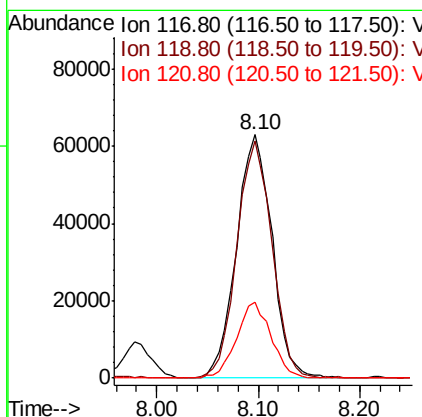
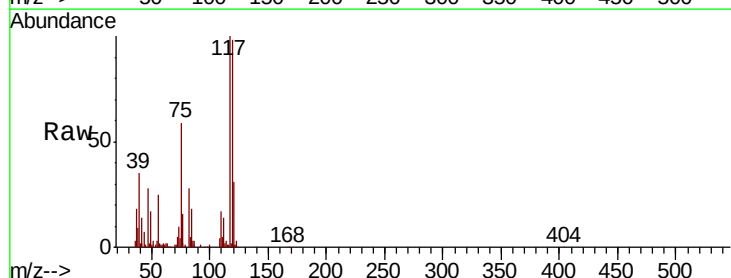
Instrument :
MSVOA_D
ClientSampleId :

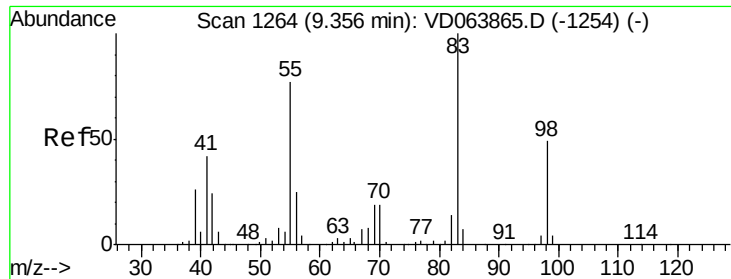
Tot Ion: 43 Resp: 49537
Ion Ratio Lower Upper
43 100
61 15.7 11.5 17.3
70 6.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 54.446 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion: 117 Resp: 153248
Ion Ratio Lower Upper
117 100
119 97.5 70.8 106.2
121 31.2 21.4 32.0

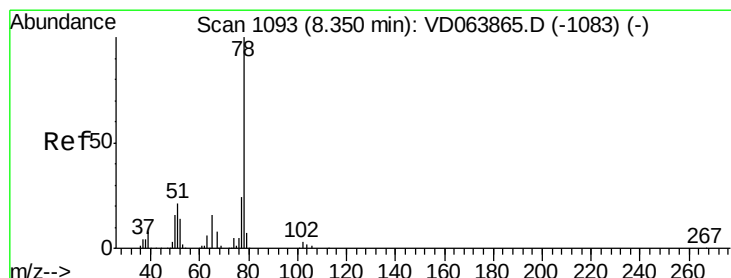
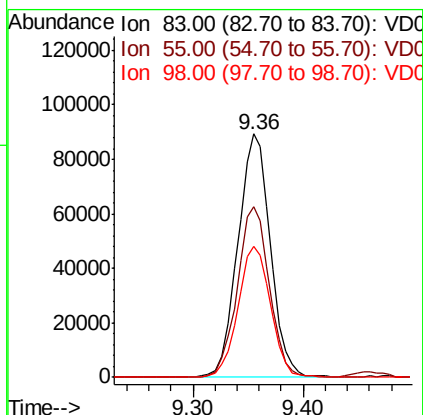
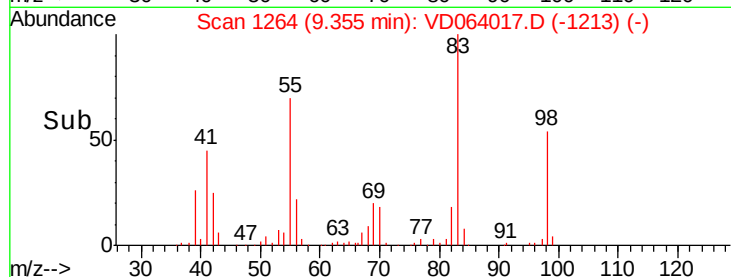
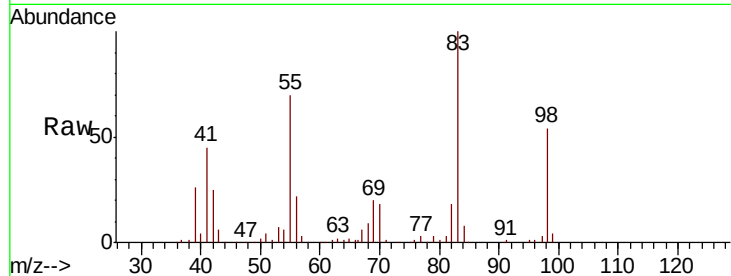




#39
Methylvlcyclohexane
Concen: 53.959 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

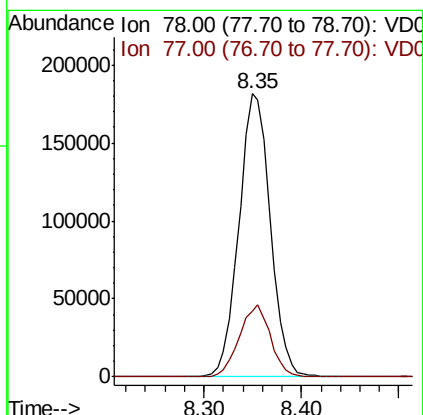
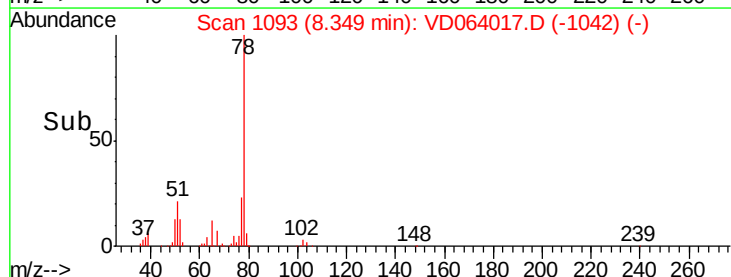
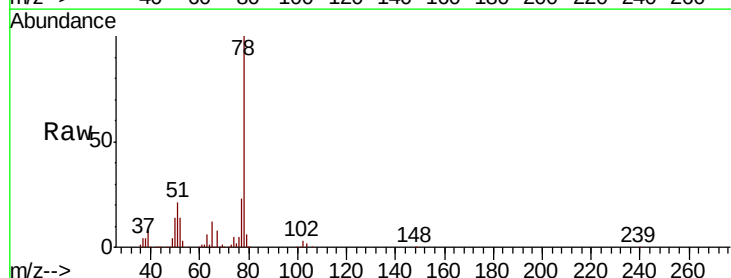
Instrument :
MSVOA_D
ClientSampled :

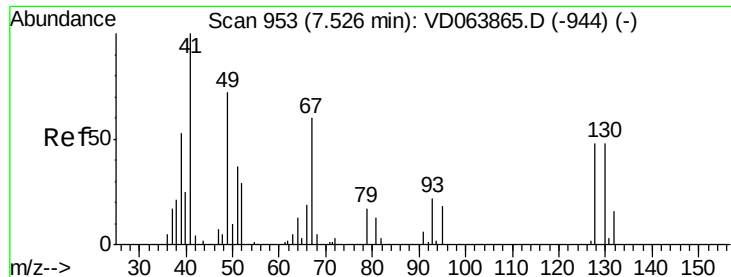
Tot Ion	83	Resp	184793
Ion Ratio	Lower	Upper	
83	100		
55	70.2	61.3	91.9
98	54.0	39.3	58.9



#40
Benzene
Concen: 51.192 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion	78	Resp	408607
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.0	28.6

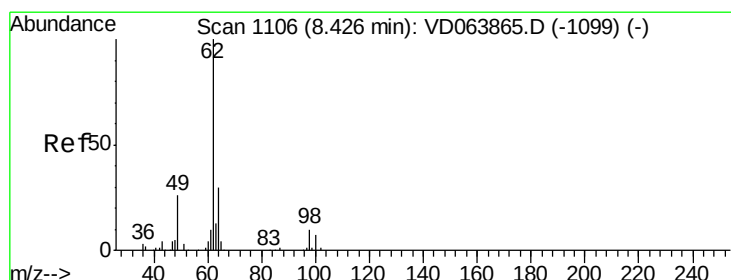
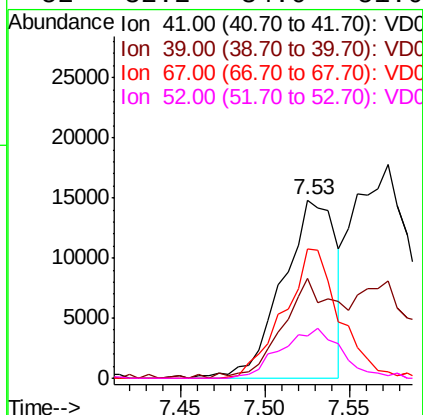
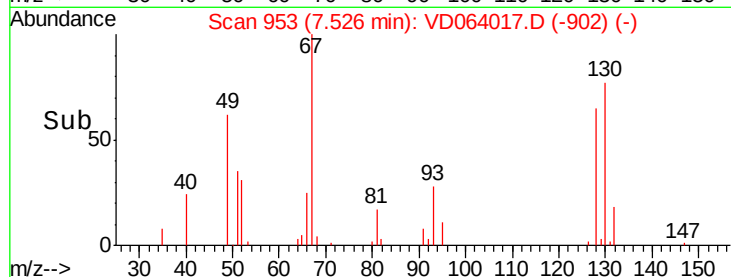
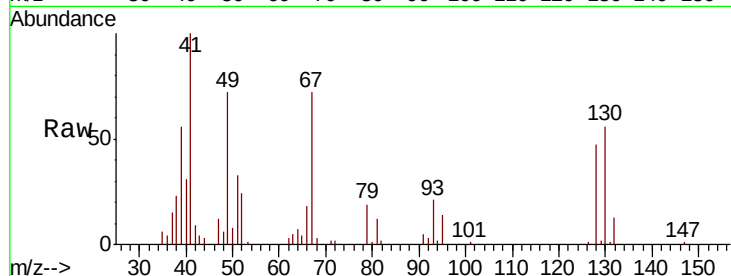




#41
Methacrylonitrile
Concen: 50.055 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

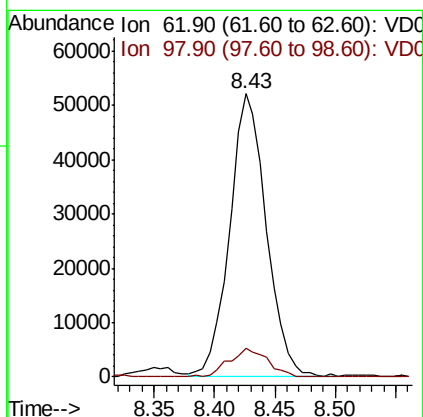
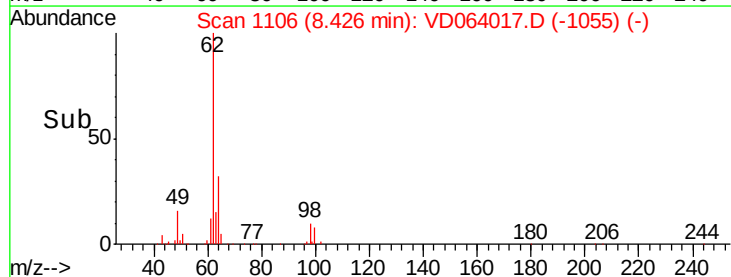
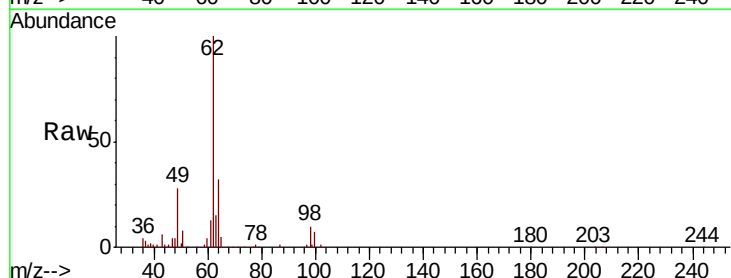
Instrument :
MSVOA_D
ClientSampled :

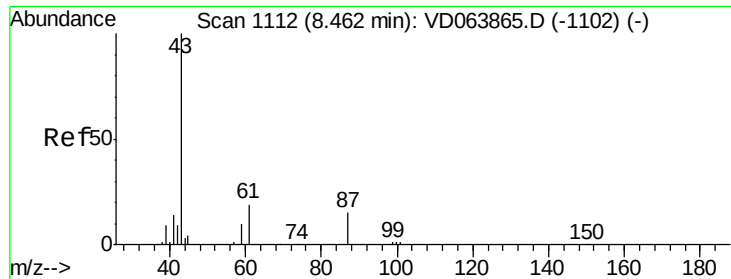
Tot Ion: 41 Resp: 32324
Ion Ratio Lower Upper
41 100
39 59.4 52.6 78.8
67 76.1 74.2 111.2
52 32.2 34.0 51.0#



#42
1,2-Dichloroethane
Concen: 47.770 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion: 62 Resp: 110295
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.0





#43

Isopropyl Acetate

Concen: 44.035 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

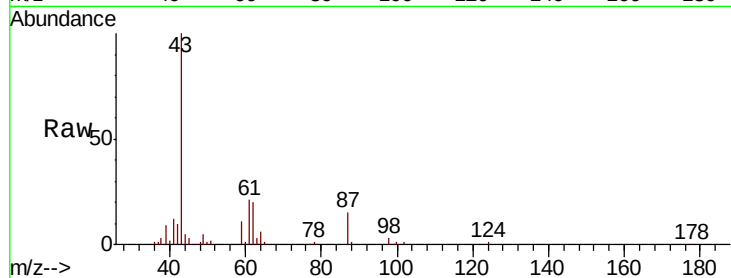
Tot Ion: 43 Resp: 102860

Ion Ratio Lower Upper

43 100

61 31.1 25.7 38.5

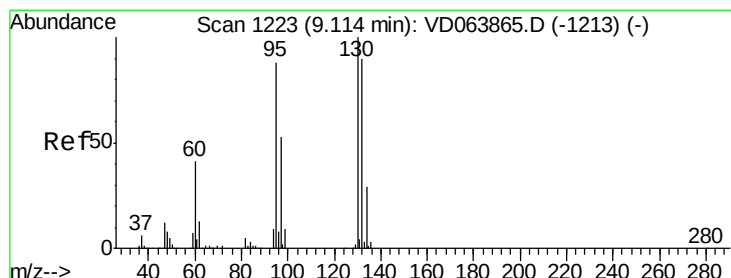
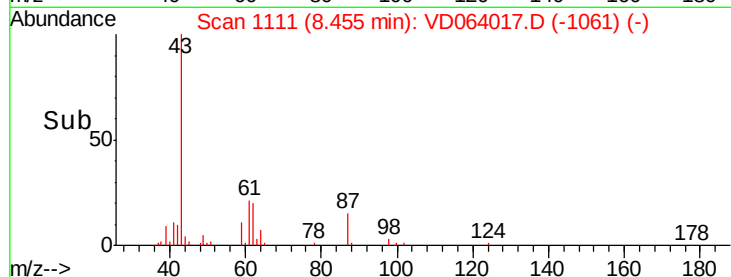
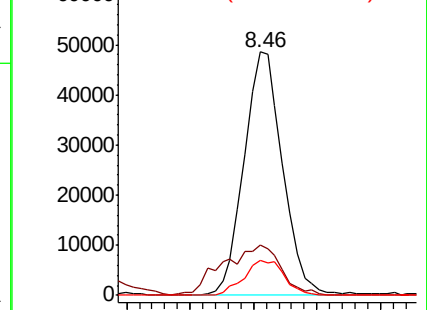
87 15.1 11.6 17.4



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: 52.409 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064017.D

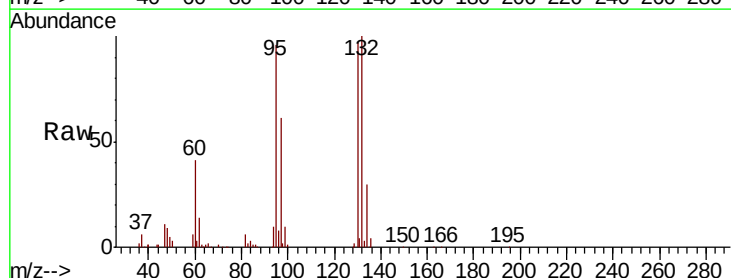
Acq: 23 Oct 2019 13:20

Tgt Ion:130 Resp: 120628

Ion Ratio Lower Upper

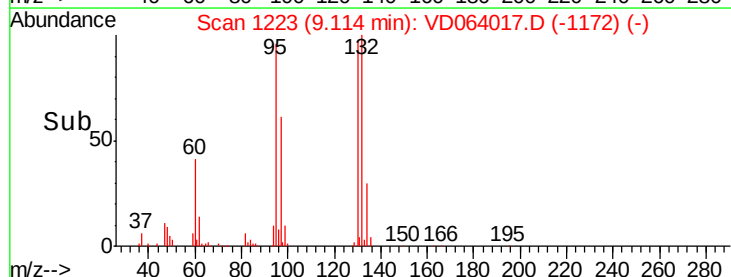
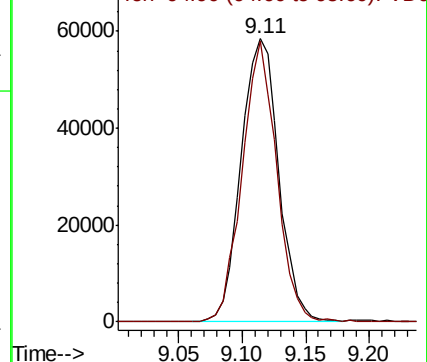
130 100

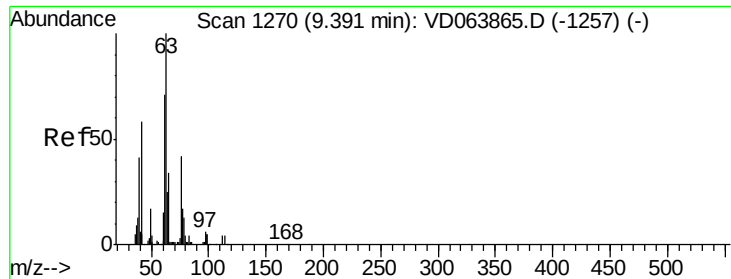
95 99.4 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.083 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

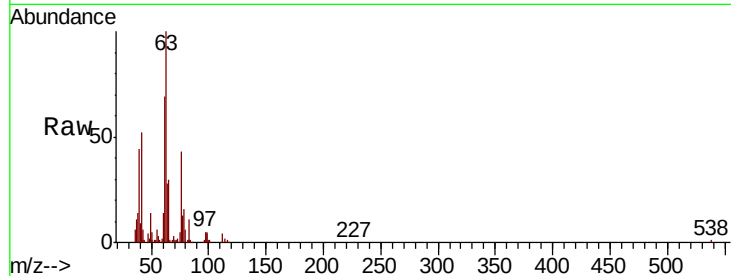
ClientSampled :

Tot Ion: 63 Resp: 97846

Ion Ratio Lower Upper

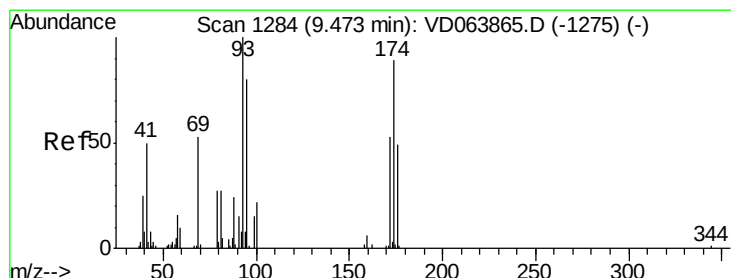
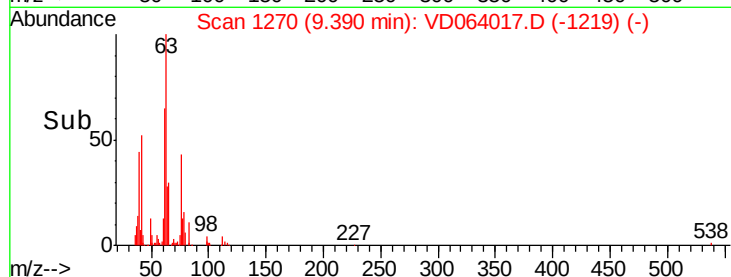
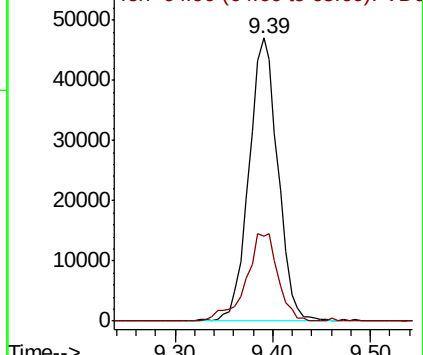
63 100

65 30.0 27.3 40.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 49.314 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

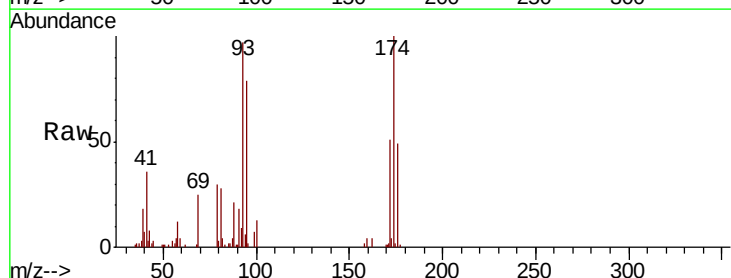
Tgt Ion: 93 Resp: 54869

Ion Ratio Lower Upper

93 100

95 85.3 66.0 99.0

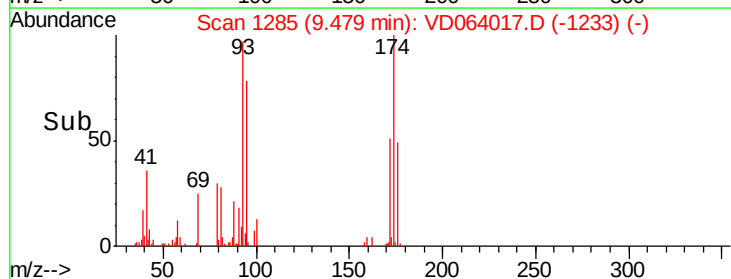
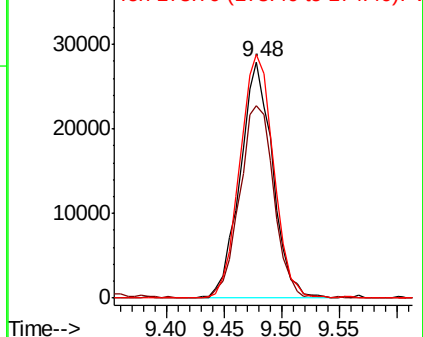
174 106.2 83.4 125.0

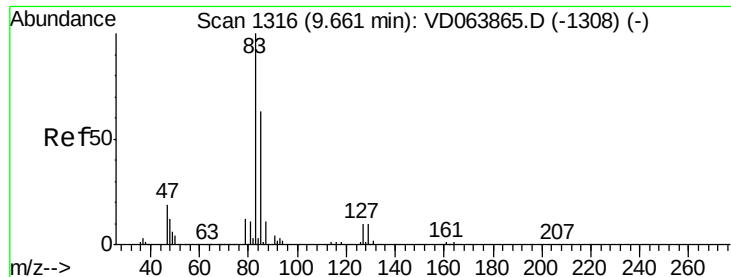


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.092 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

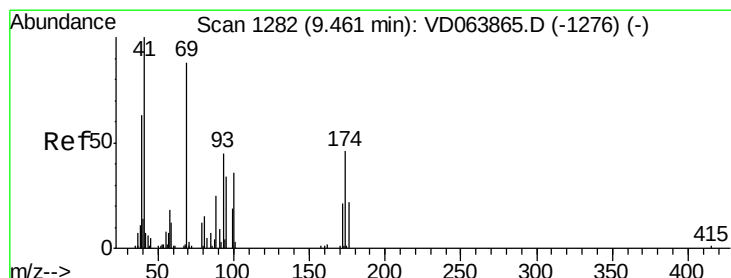
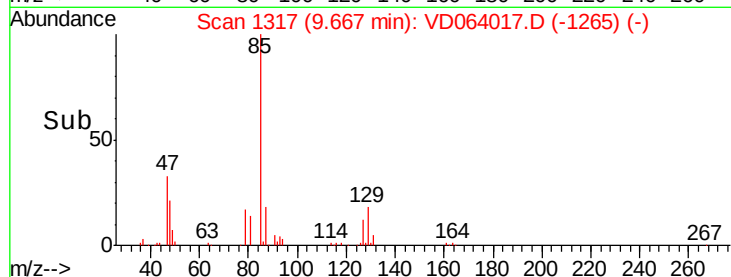
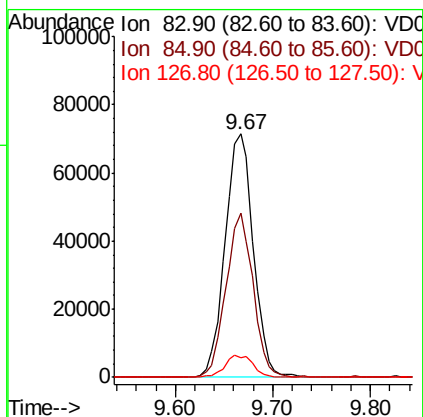
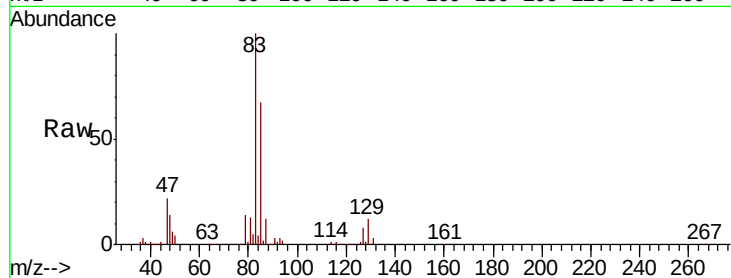
Tot Ion: 83 Resp: 143497

Ion Ratio Lower Upper

83 100

85 67.3 50.2 75.2

127 8.2 7.6 11.4



#48

Methyl methacrylate

Concen: 46.074 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

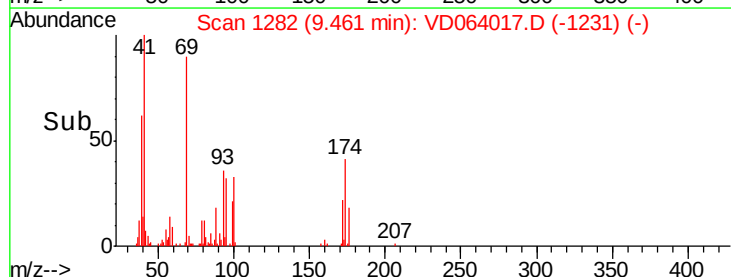
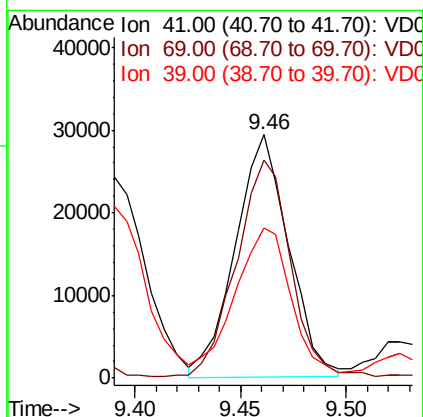
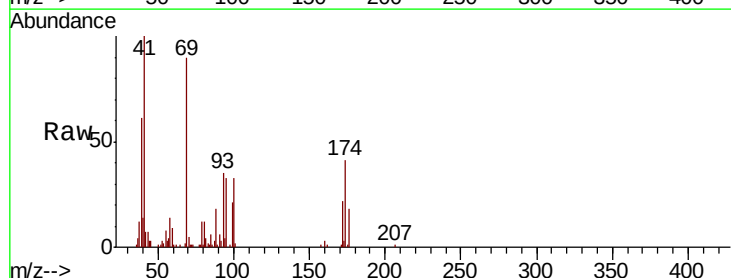
Tgt Ion: 41 Resp: 51565

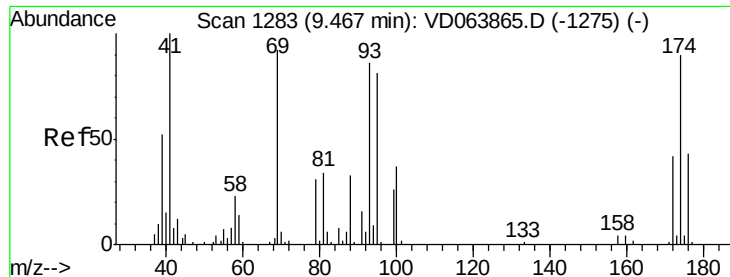
Ion Ratio Lower Upper

41 100

69 90.1 75.1 112.7

39 60.2 50.2 75.2

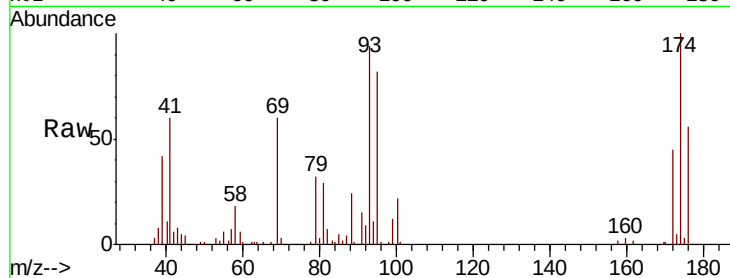




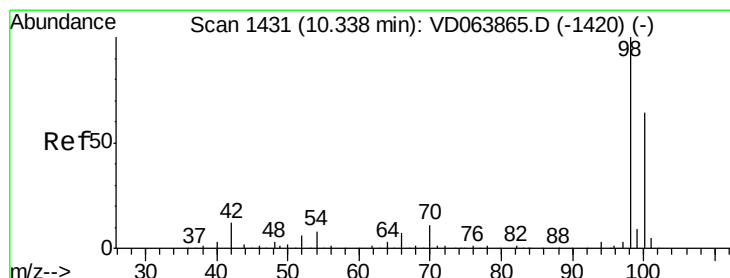
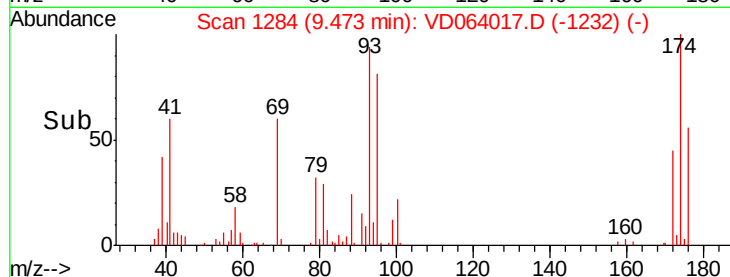
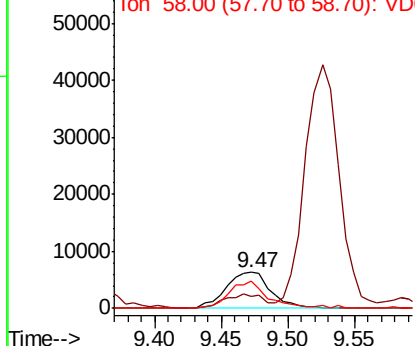
#49
1,4-Dioxane
Concen: 970.463 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 14739
Ion Ratio Lower Upper
88 100
43 33.6 27.6 41.4
58 63.5 54.1 81.1

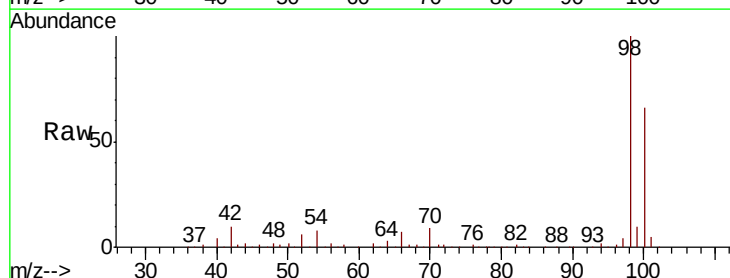


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

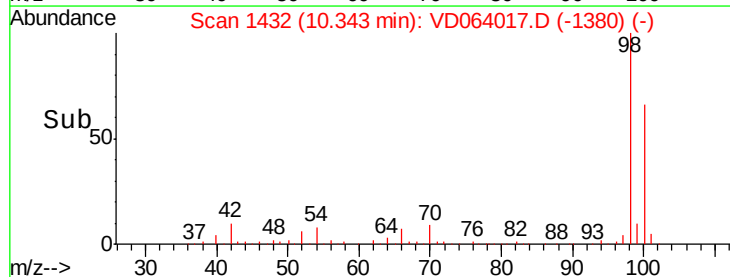
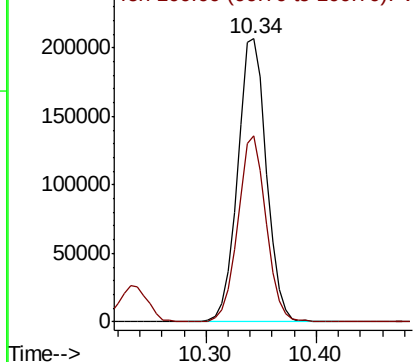


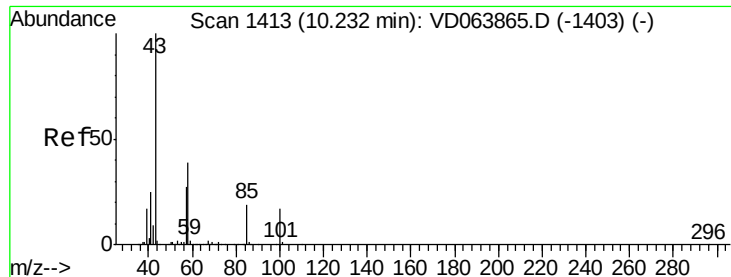
#50
Toluene-d8
Concen: 50.247 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion: 98 Resp: 379684
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

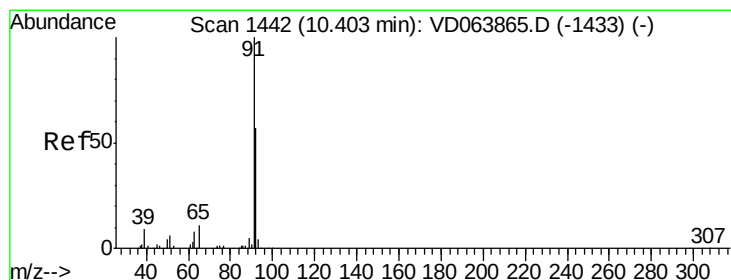
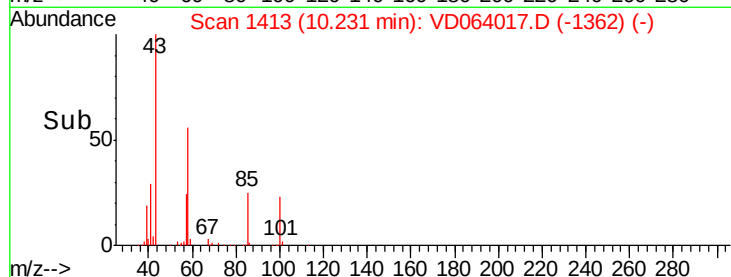
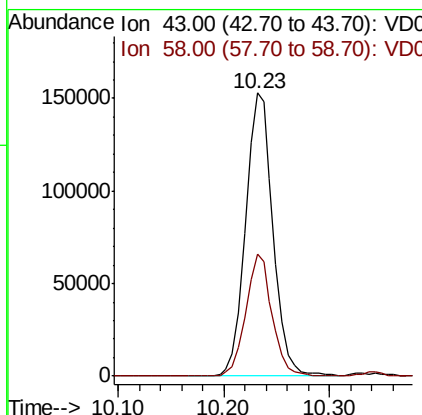
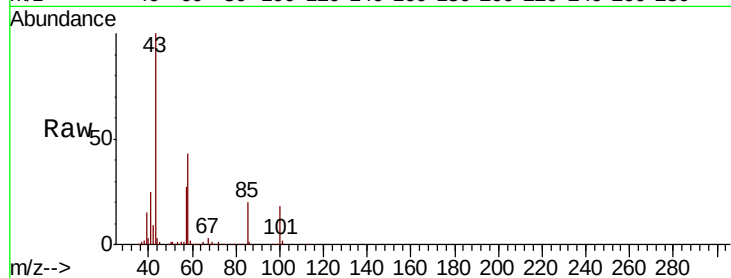




#51
4-Methyl-2-Pentanone
Concen: 227.179 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

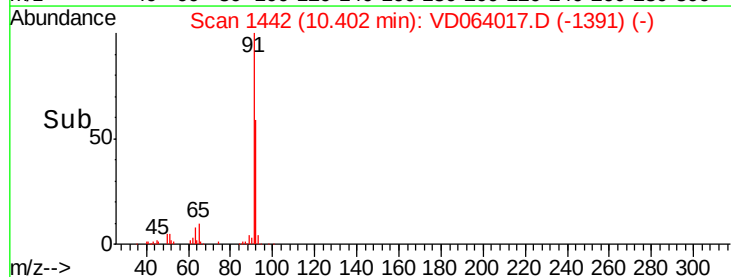
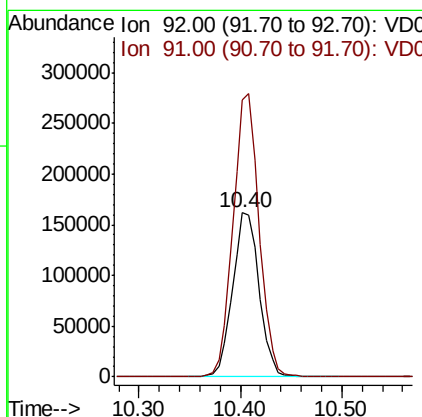
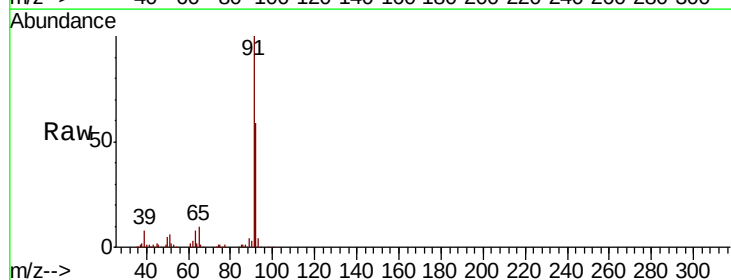
Instrument :
MSVOA_D
ClientSampleId :

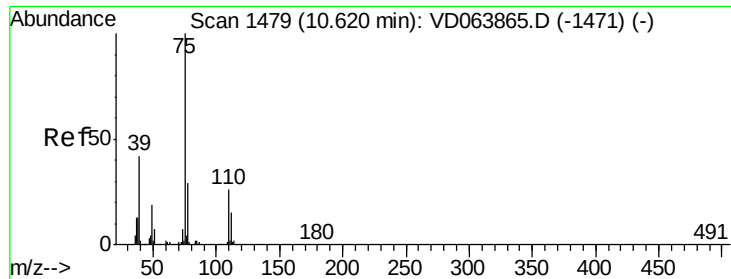
Tot Ion: 43 Resp: 275212
Ion Ratio Lower Upper
43 100
58 41.3 33.0 49.4



#52
Toluene
Concen: 53.565 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion: 92 Resp: 293506
Ion Ratio Lower Upper
92 100
91 169.2 139.5 209.3

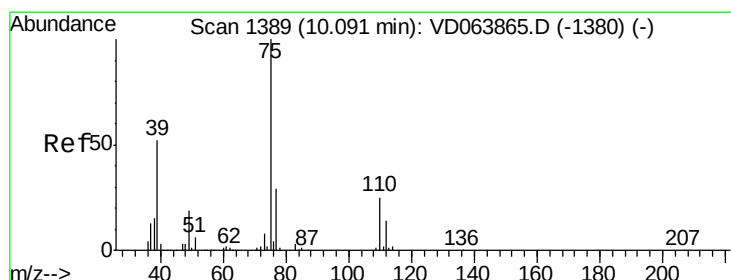
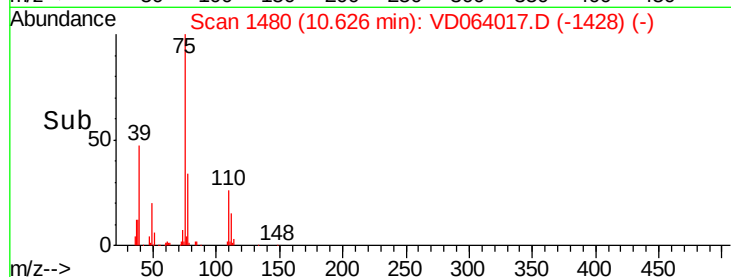
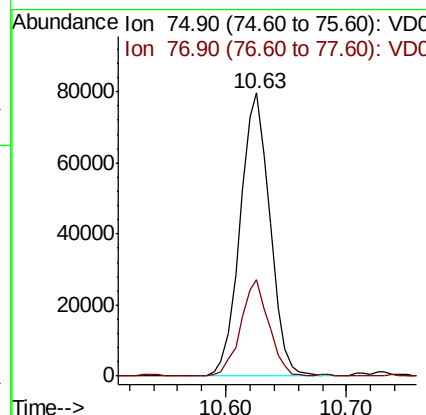
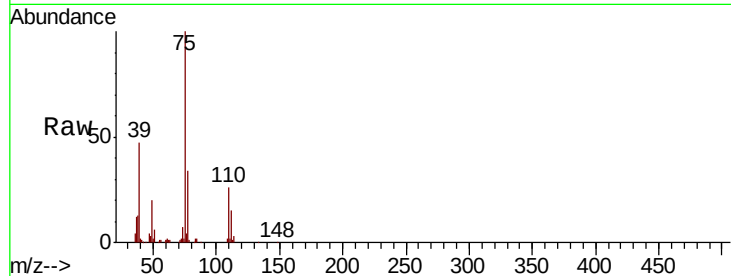




#53
t-1,3-Dichloropropene
Concen: 49.064 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

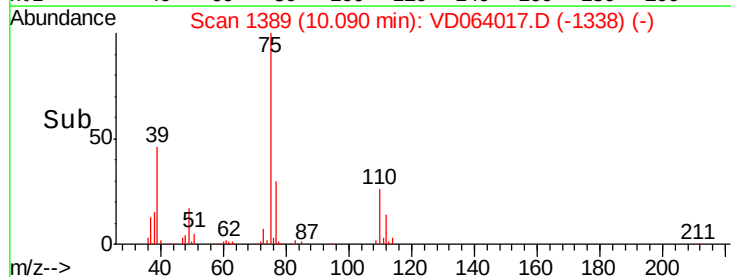
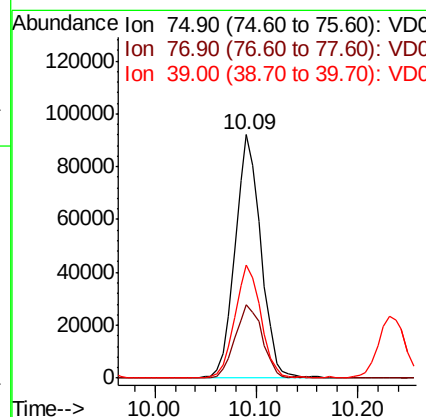
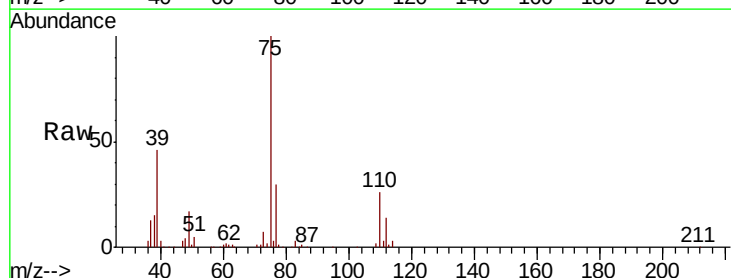
Instrument :
MSVOA_D
ClientSampleId :

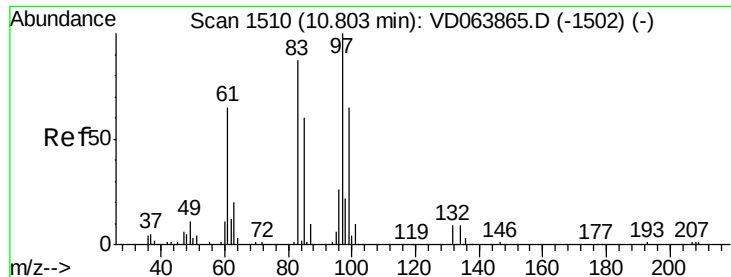
Tot Ion: 75 Resp: 137152
Ion Ratio Lower Upper
75 100
77 33.8 22.8 34.2



#54
cis-1,3-Dichloropropene
Concen: 50.446 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion: 75 Resp: 162323
Ion Ratio Lower Upper
75 100
77 30.0 23.2 34.8
39 46.4 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 51.182 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 80407

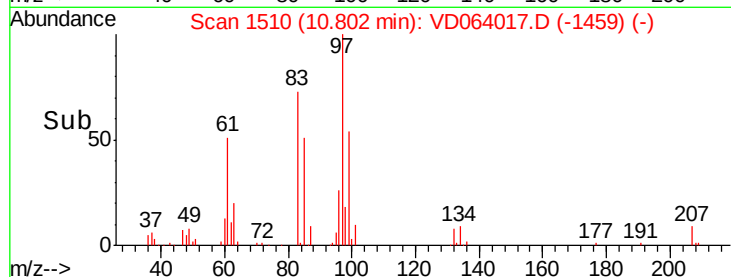
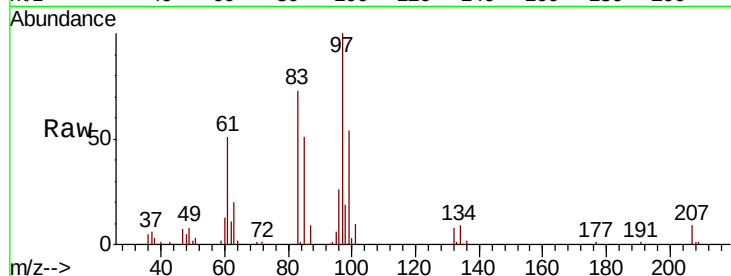
Ion	Ratio	Lower	Upper
97	100		
83	73.4	69.7	104.5
85	50.9	48.1	72.1
99	53.5	51.9	77.9

97 100

83 73.4 69.7 104.5

85 50.9 48.1 72.1

99 53.5 51.9 77.9

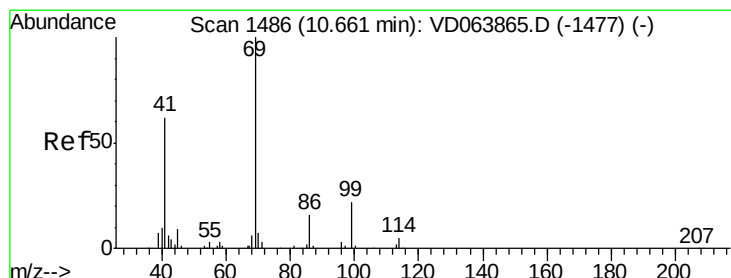
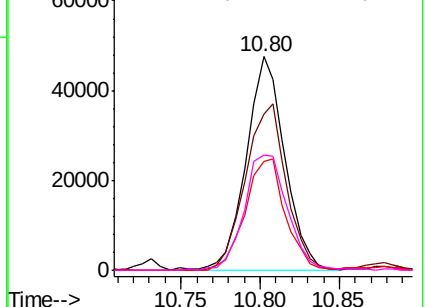


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 47.447 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

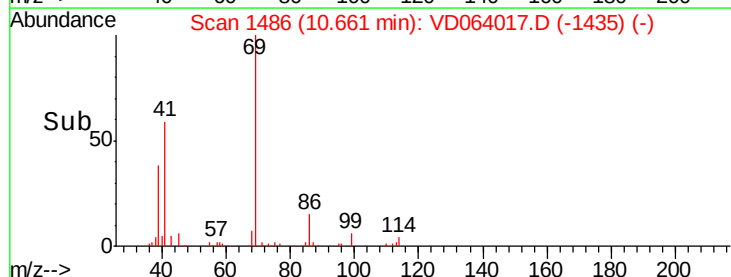
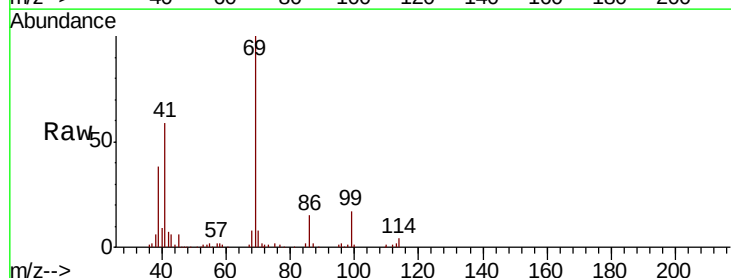
Tgt Ion: 69 Resp: 94393

Ion	Ratio	Lower	Upper
69	100		
41	59.6	51.3	76.9
39	38.0	28.0	42.0

69 100

41 59.6 51.3 76.9

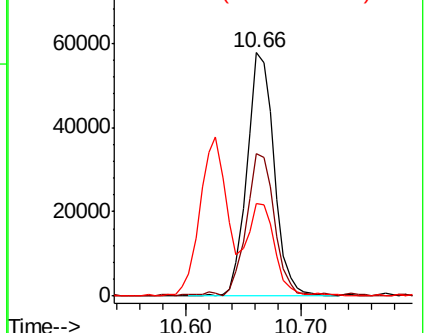
39 38.0 28.0 42.0

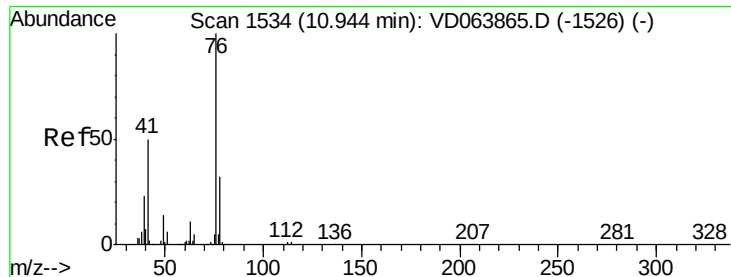


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

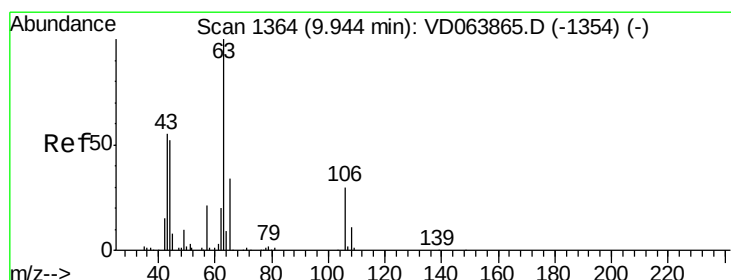
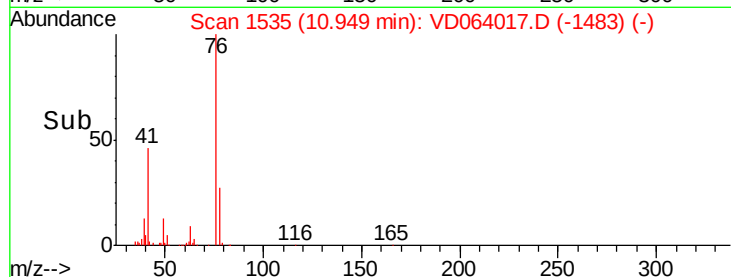
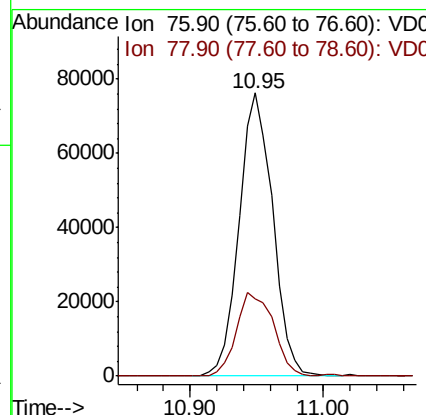
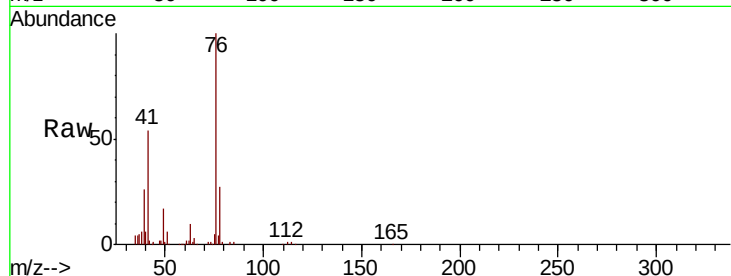




#57
 1,3-Dichloropropane
 Concen: 49.374 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

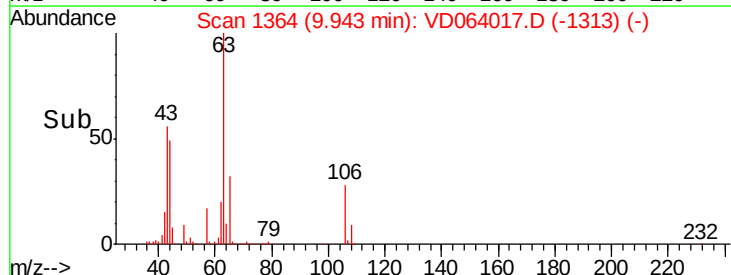
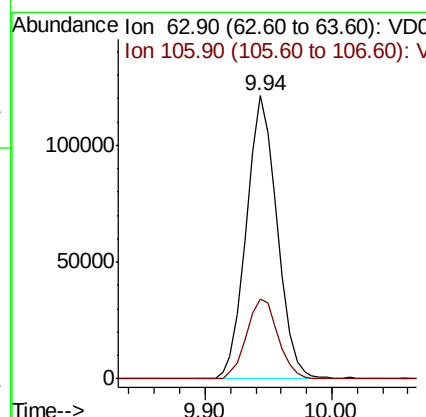
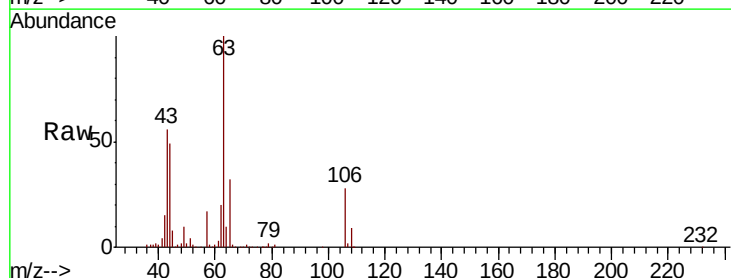
Instrument :
 MSVOA_D
 ClientSampleId :

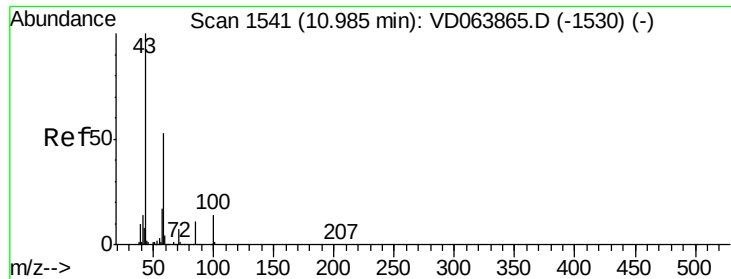
Tot Ion: 76 Resp: 132713
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.499 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Tgt Ion: 63 Resp: 204807
 Ion Ratio Lower Upper
 63 100
 106 29.0 24.3 36.5

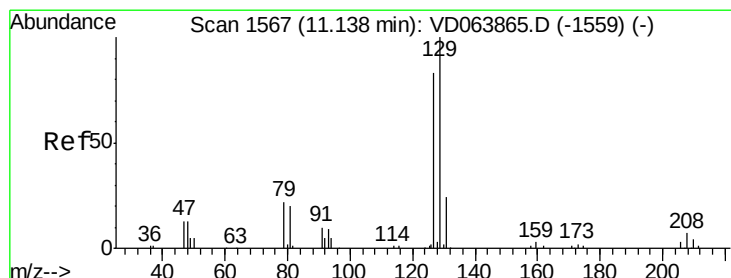
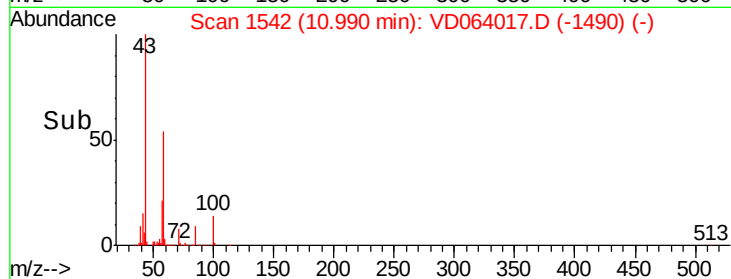
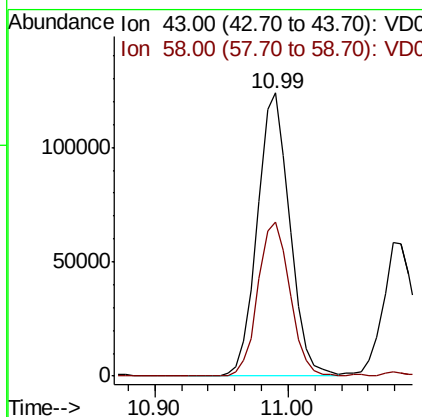
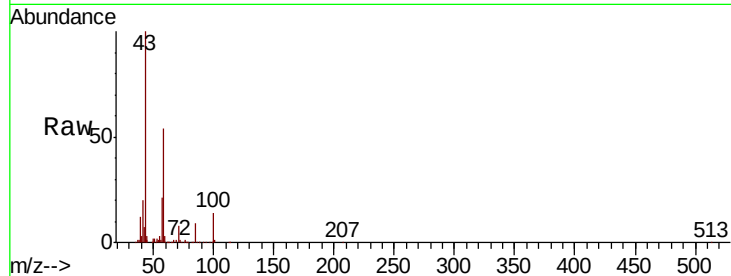




#59
2-Hexanone
Concen: 236.826 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

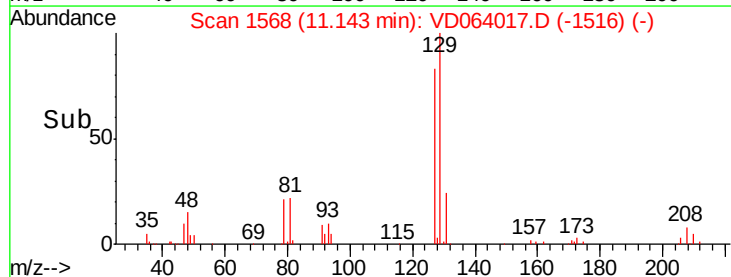
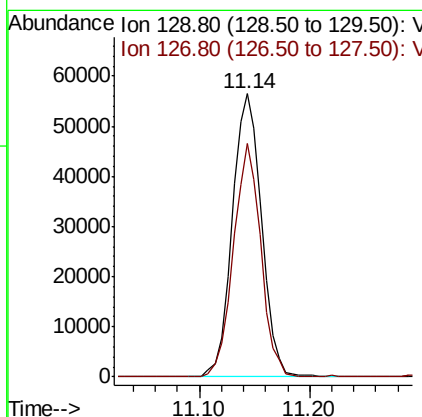
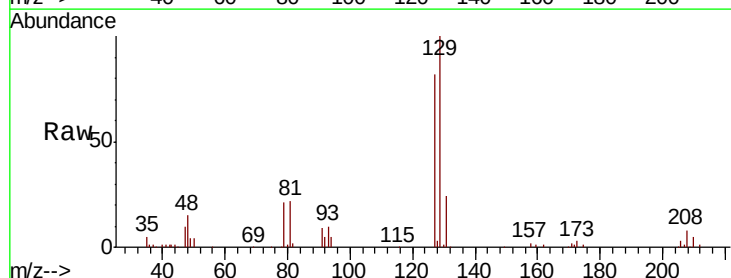
Instrument :
MSVOA_D
ClientSampled :

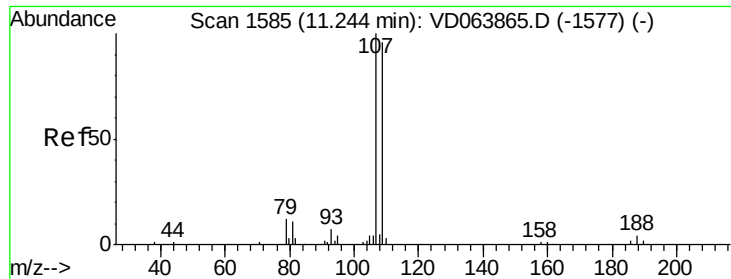
Tot Ion: 43 Resp: 207534
Ion Ratio Lower Upper
43 100
58 54.0 27.7 83.0



#60
Dibromochloromethane
Concen: 51.196 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion: 129 Resp: 104711
Ion Ratio Lower Upper
129 100
127 77.5 39.9 119.6

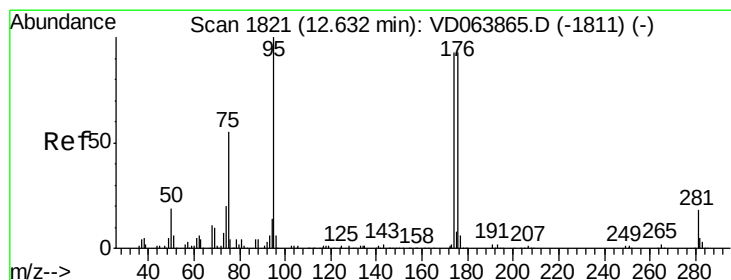
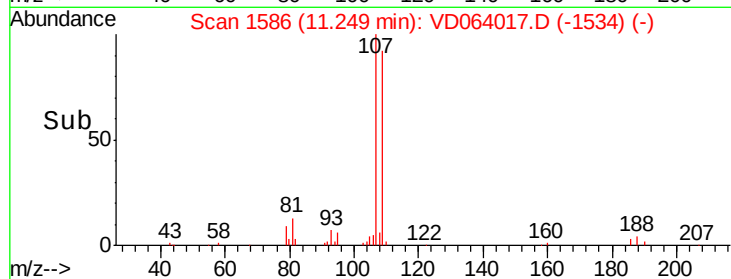
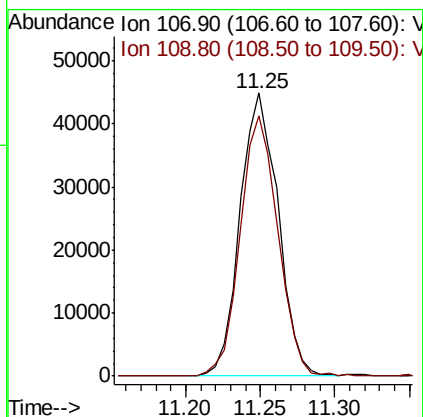
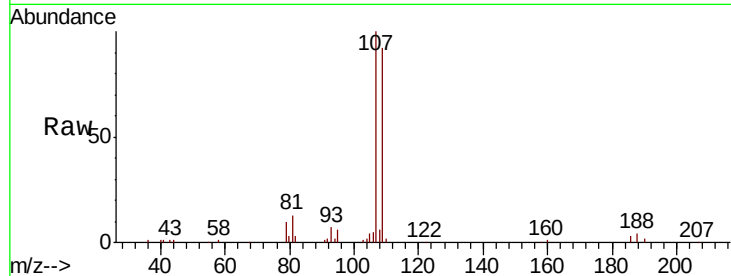




#61
 1,2-Dibromoethane
 Concen: 51.984 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

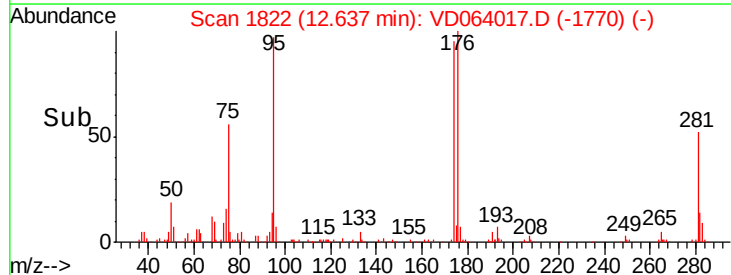
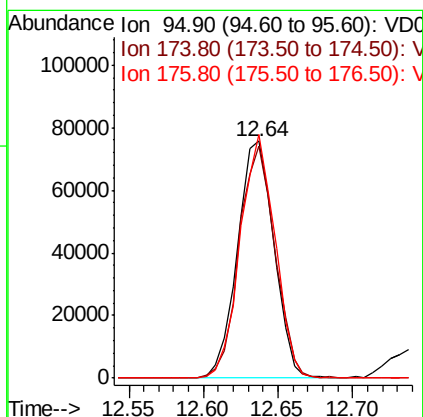
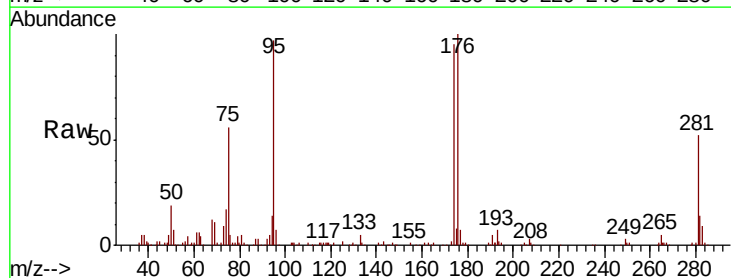
Instrument :
 MSVOA_D
 ClientSampleID :

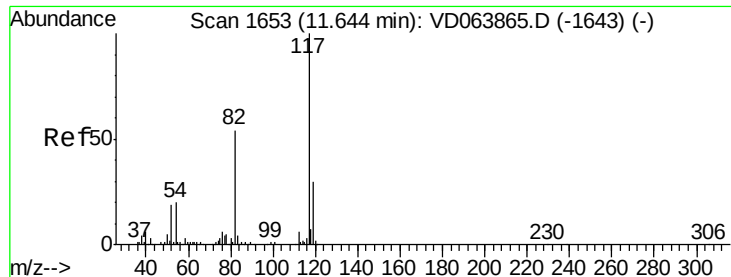
Tot Ion: 107 Resp: 79174
 Ion Ratio Lower Upper
 107 100
 109 91.4 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 48.952 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Tgt Ion: 95 Resp: 128540
 Ion Ratio Lower Upper
 95 100
 174 96.0 0.0 186.4
 176 97.7 0.0 184.2

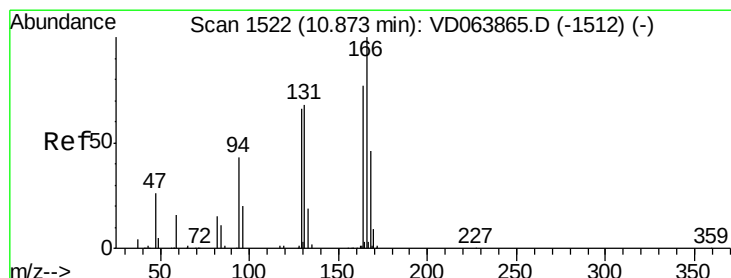
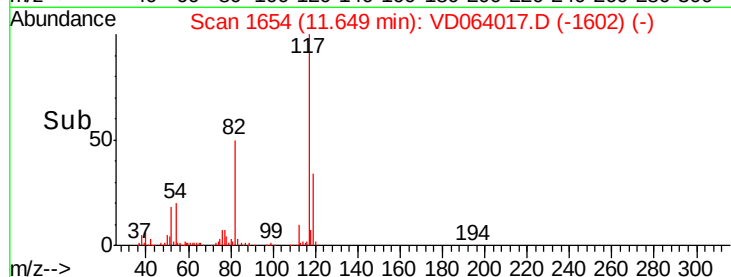
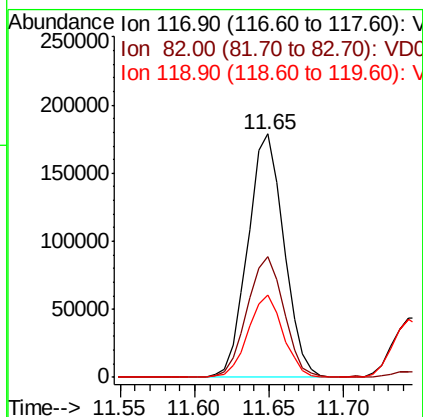
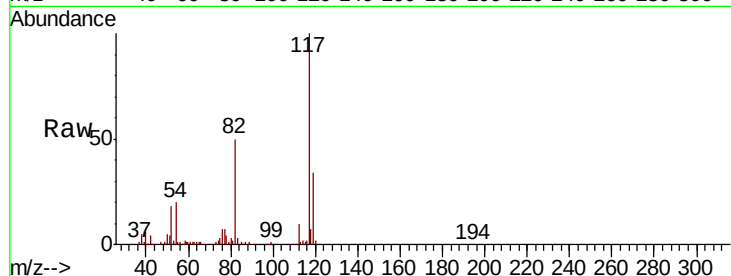




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

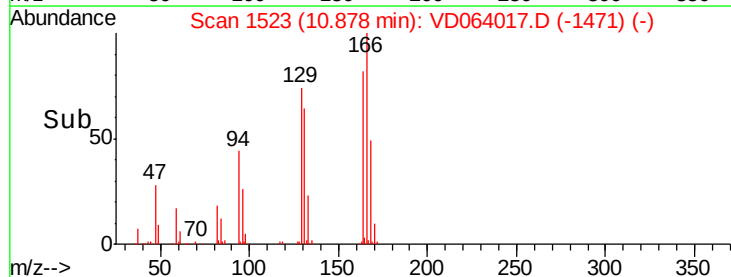
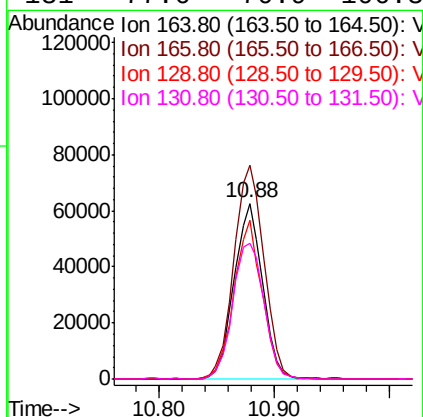
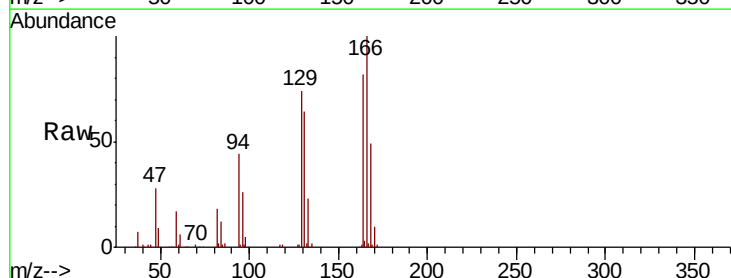
Instrument :
MSVOA_D
ClientSampleId :

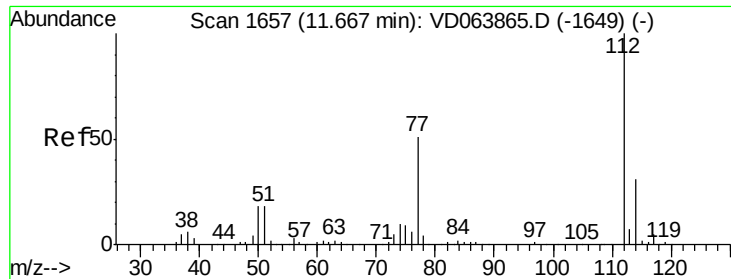
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.8	42.8	64.2
119	33.9	24.4	36.6



#64
Tetrachloroethene
Concen: 52.208 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.7	103.8	155.6
129	90.3	68.9	103.3
131	77.6	70.9	106.3

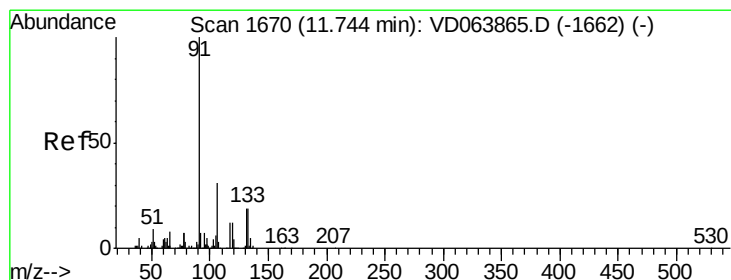
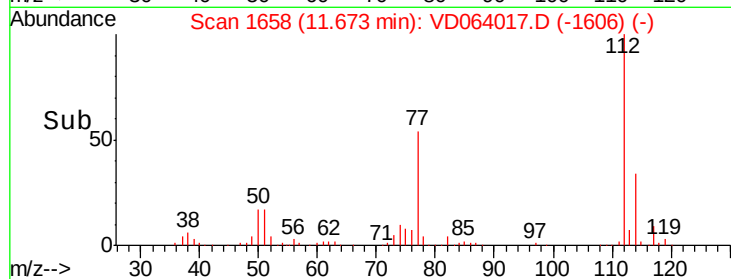
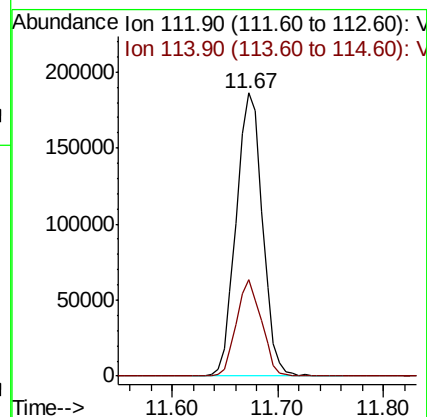
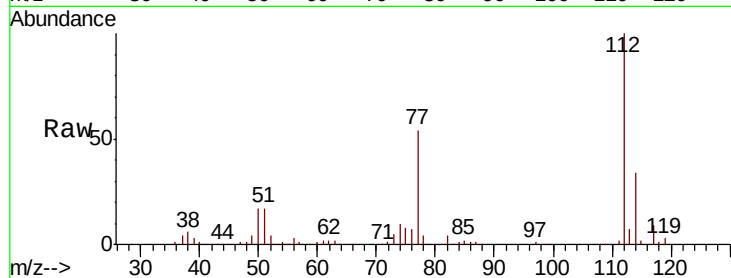




#65
Chlorobenzene
Concen: 53.213 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

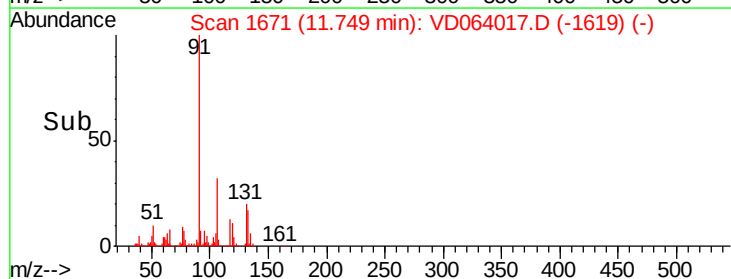
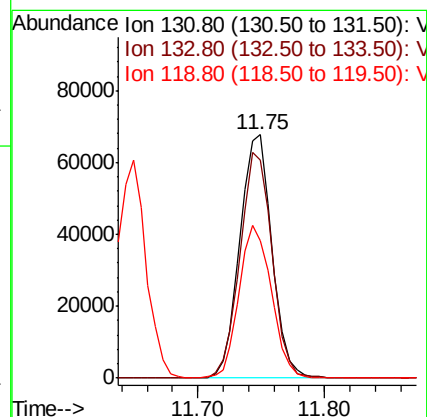
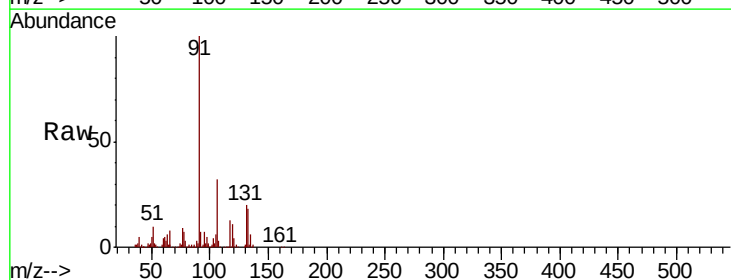
Instrument :
MSVOA_D
ClientSampled :

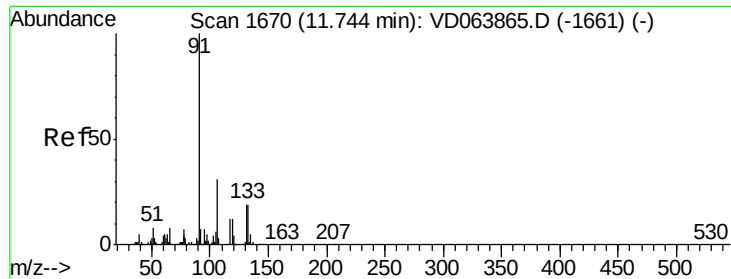
Tot Ion:112 Resp: 319770
Ion Ratio Lower Upper
112 100
114 33.9 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.493 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion:131 Resp: 118447
Ion Ratio Lower Upper
131 100
133 93.0 48.9 146.7
119 63.3 32.6 97.8





#67

Ethyl Benzene

Concen: 53.333 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

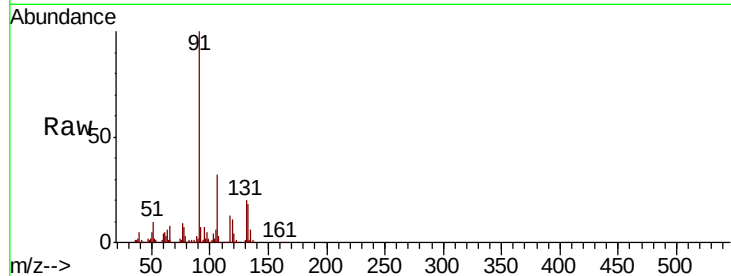
ClientSampled :

Tot Ion: 91 Resp: 577902

Ion Ratio Lower Upper

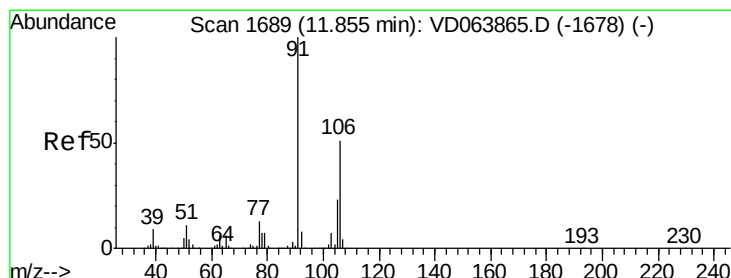
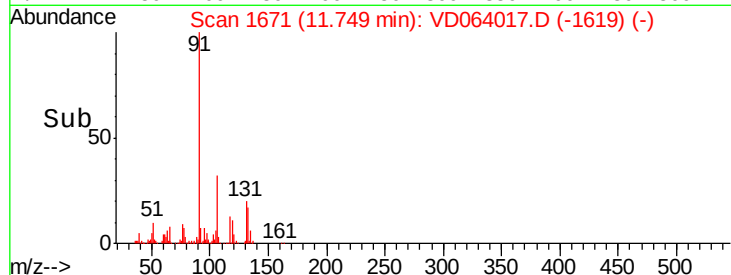
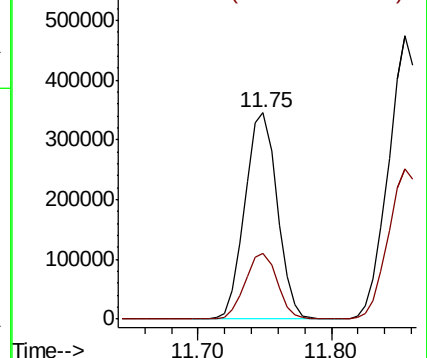
91 100

106 32.0 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 110.881 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064017.D

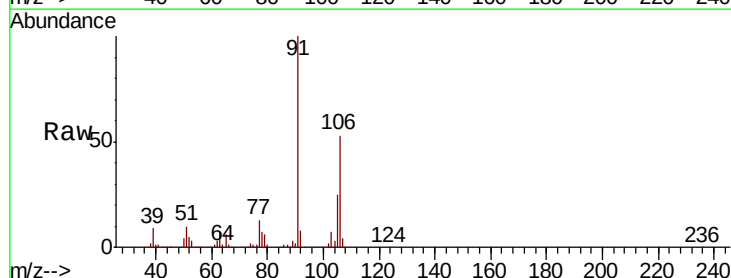
Acq: 23 Oct 2019 13:20

Tgt Ion: 106 Resp: 463744

Ion Ratio Lower Upper

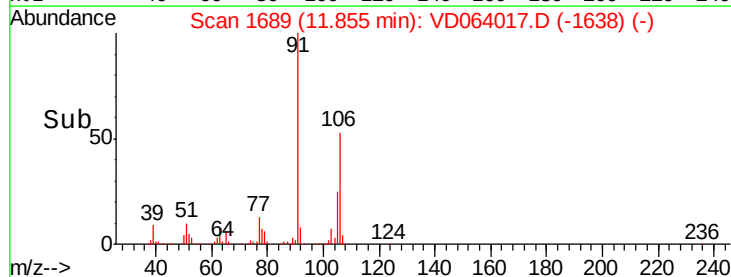
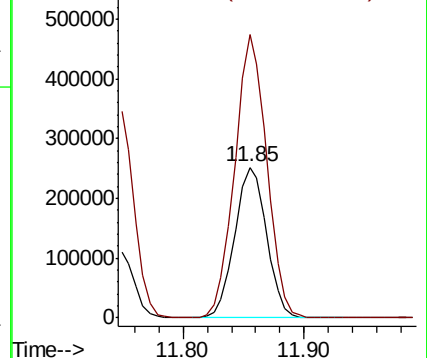
106 100

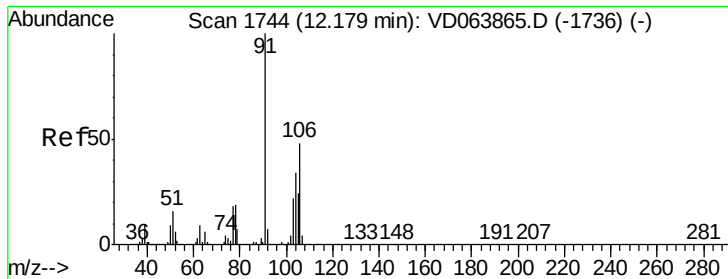
91 188.1 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

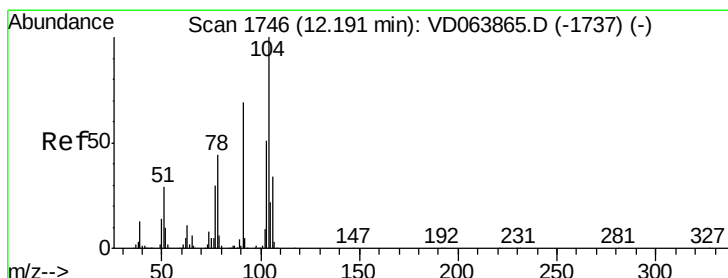
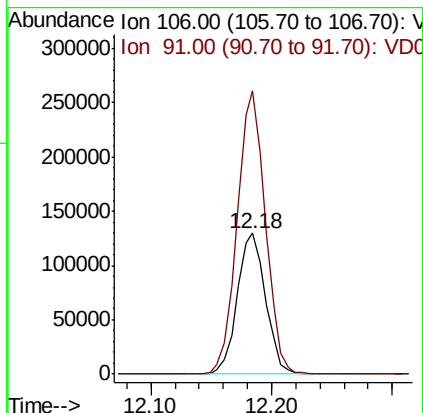
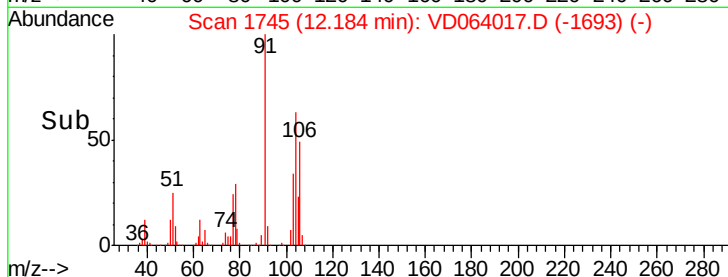
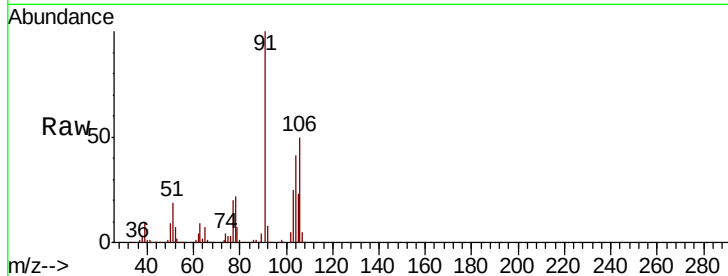




#69
o-Xylene
Concen: 52.952 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

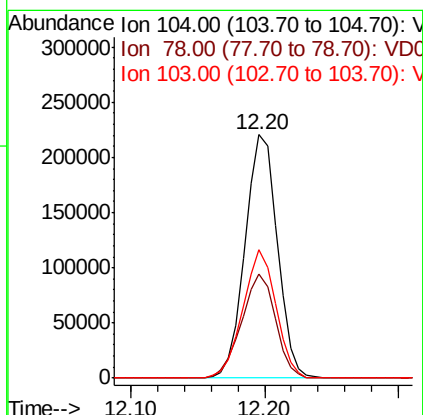
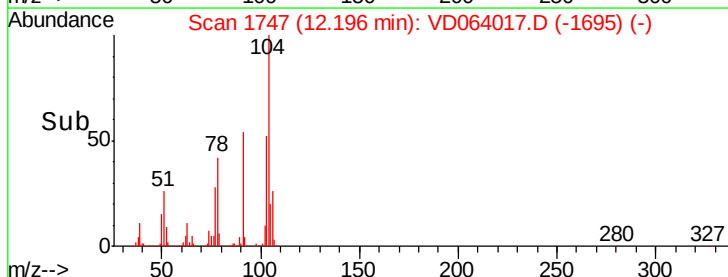
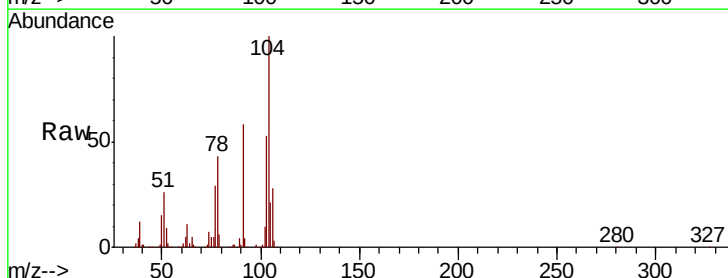
Instrument :
MSVOA_D
ClientSampleId :

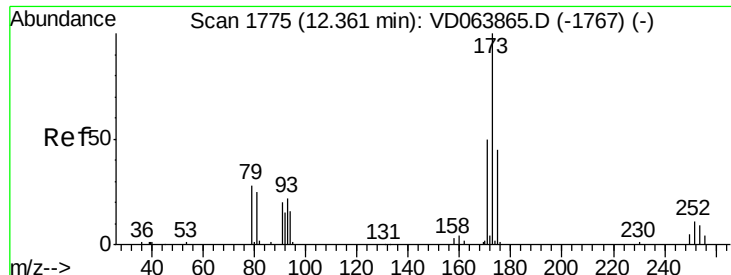
Tot Ion:106 Resp: 212063
Ion Ratio Lower Upper
106 100
91 200.3 103.9 311.7



#70
Styrene
Concen: 54.138 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion:104 Resp: 367032
Ion Ratio Lower Upper
104 100
78 45.3 37.0 55.4
103 54.0 44.2 66.4





#71

Bromoform

Concen: 53.789 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

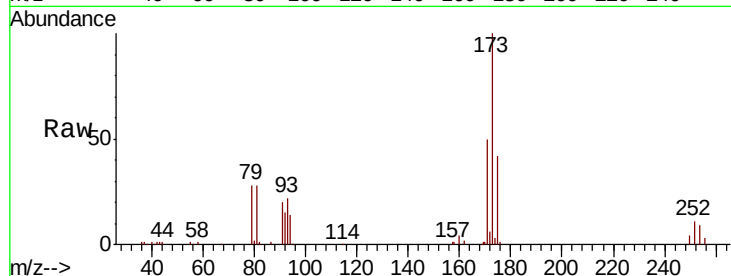
Tot Ion:173 Resp: 63919

Ion Ratio Lower Upper

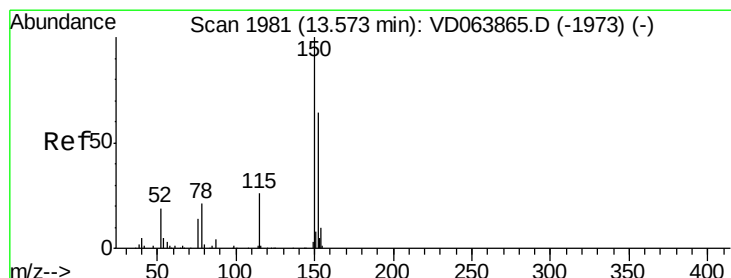
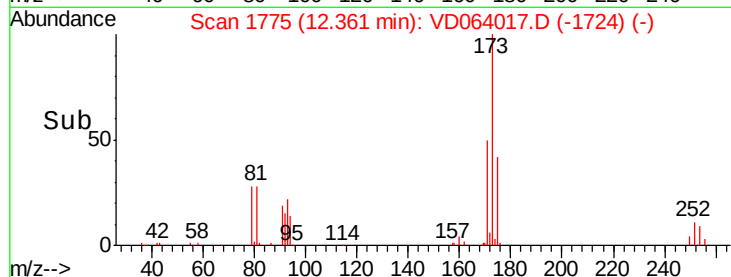
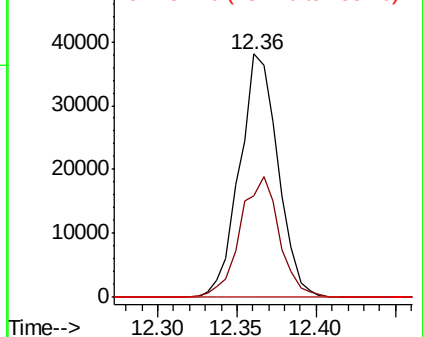
173 100

175 50.9 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: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

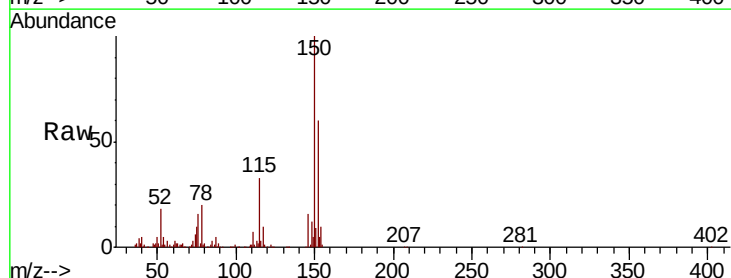
Tgt Ion:152 Resp: 170178

Ion Ratio Lower Upper

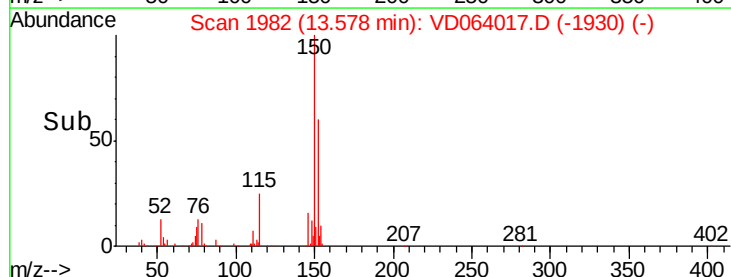
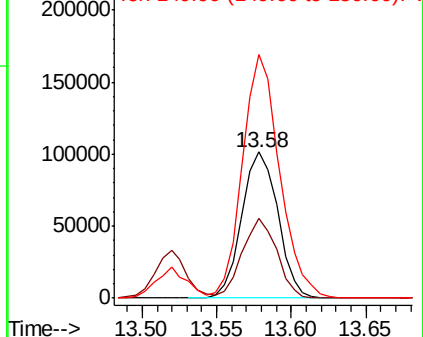
152 100

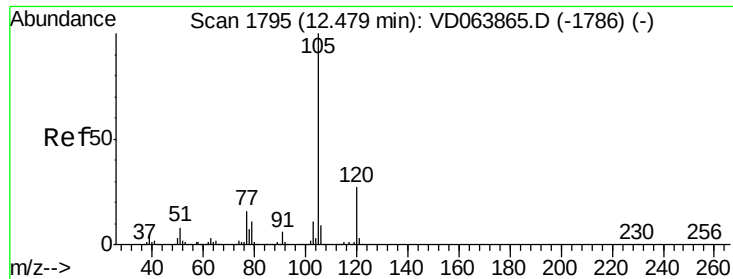
115 52.2 25.9 77.7

150 171.6 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: 51.135 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

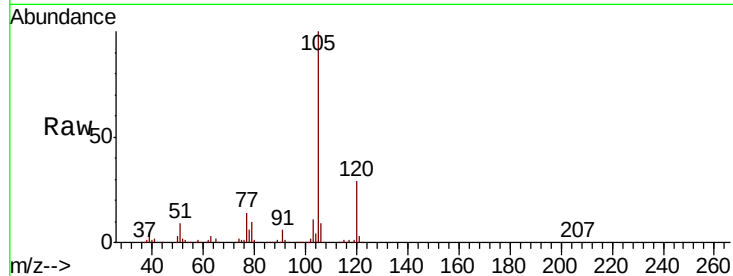
ClientSampleId :

Tot Ion:105 Resp: 584995

Ion Ratio Lower Upper

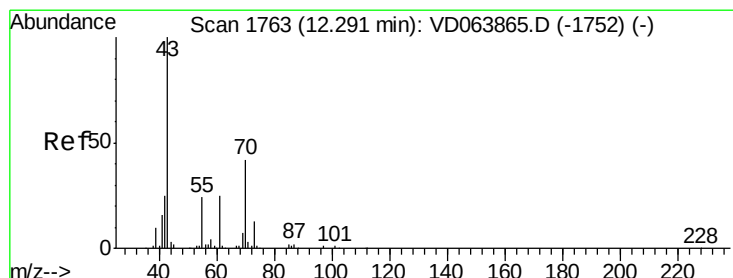
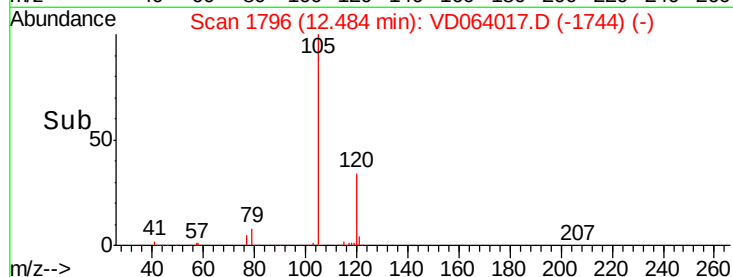
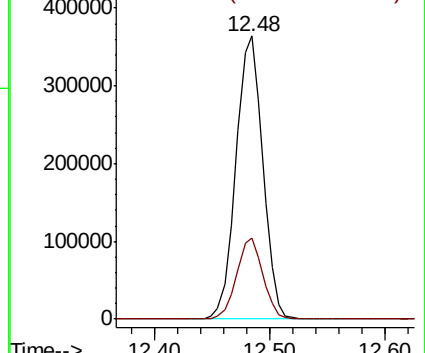
105 100

120 27.9 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: 43.194 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Tgt Ion: 43 Resp: 106390

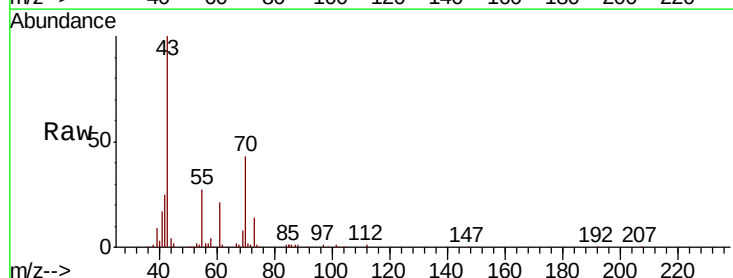
Ion Ratio Lower Upper

43 100

70 45.3 35.8 53.6

55 25.1 19.4 29.0

61 23.8 20.4 30.6

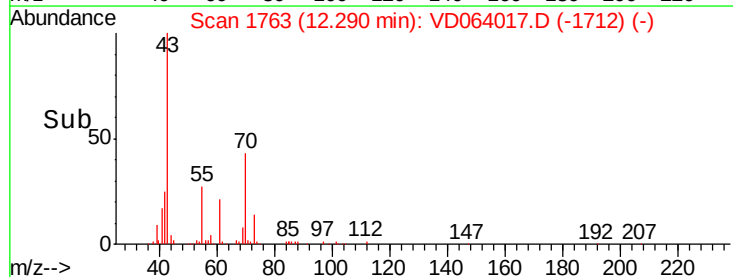
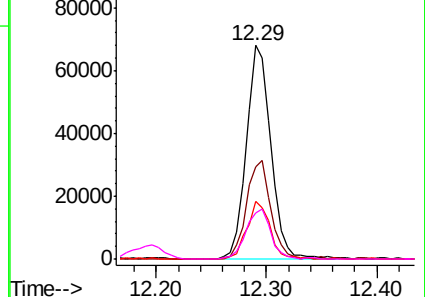


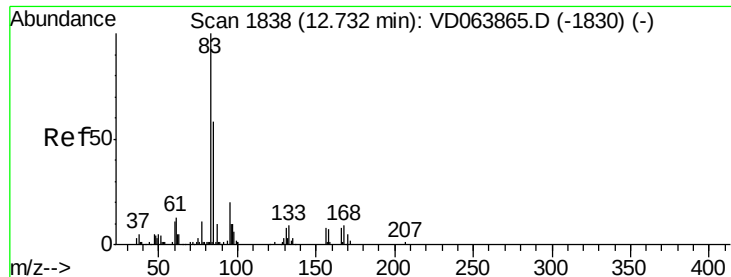
Abundance Ion 43.00 (42.70 to 43.70): V

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: 46.113 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

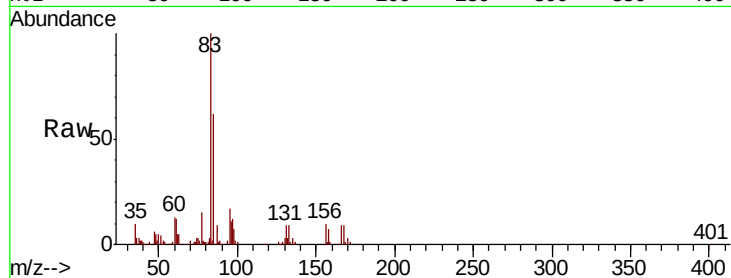
Tot Ion: 83 Resp: 91800

Ion Ratio Lower Upper

83 100

131 11.4 5.6 16.8

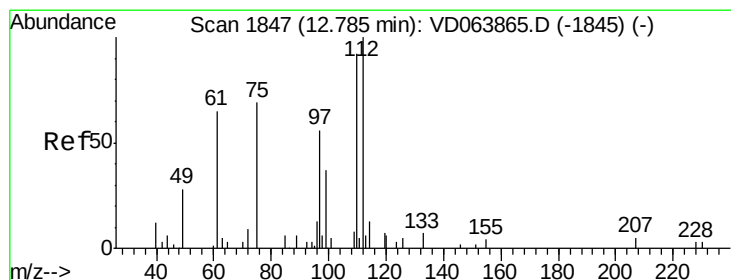
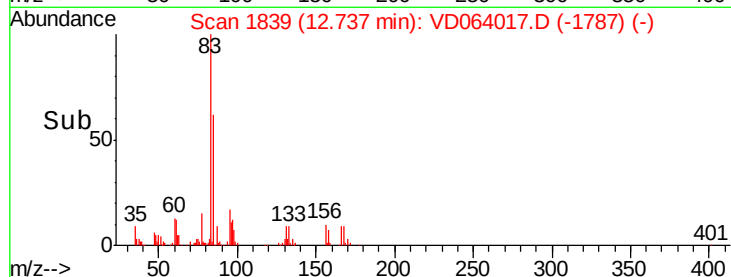
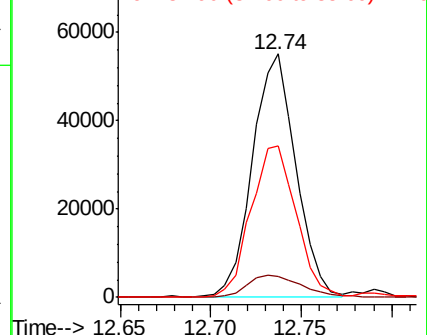
85 65.0 32.3 96.8



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: 101.232 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064017.D

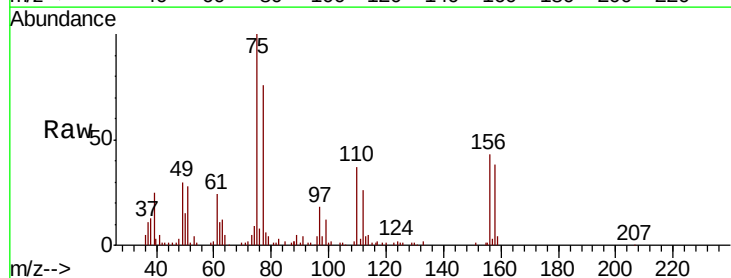
Acq: 23 Oct 2019 13:20

Tgt Ion: 75 Resp: 115385

Ion Ratio Lower Upper

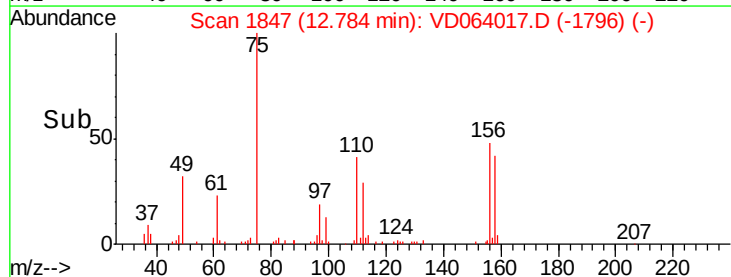
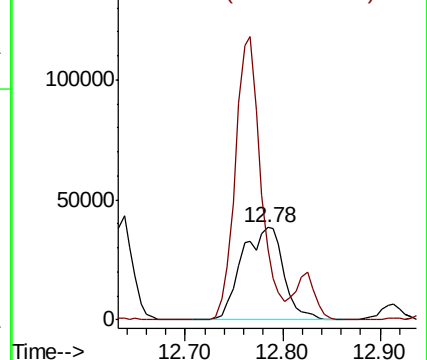
75 100

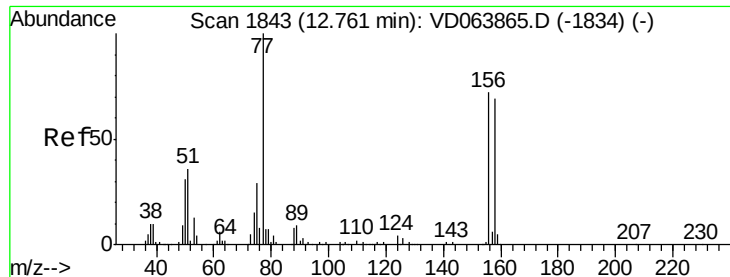
77 185.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.679 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

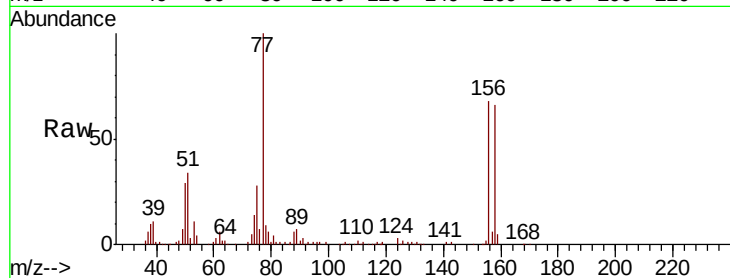
Tot Ion:156 Resp: 141598

Ion Ratio Lower Upper

156 100

77 151.3 80.3 241.0

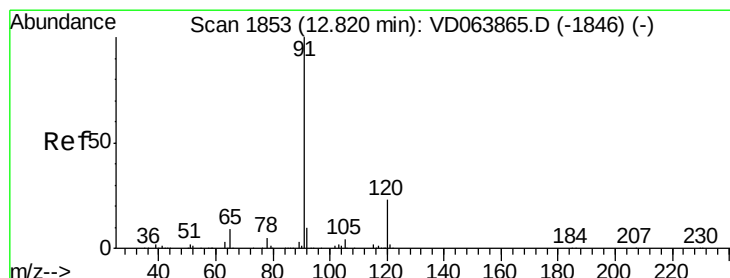
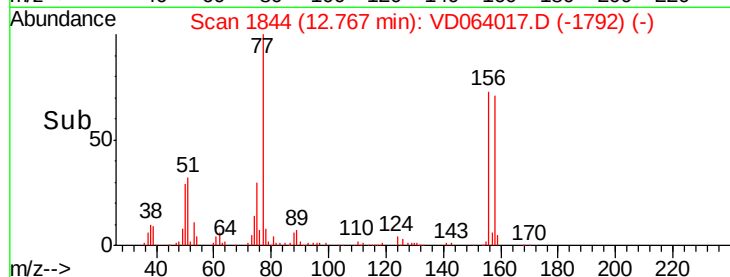
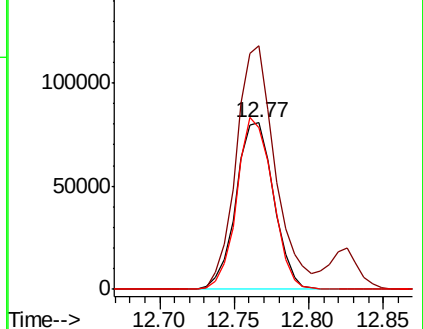
158 97.8 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.940 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD064017.D

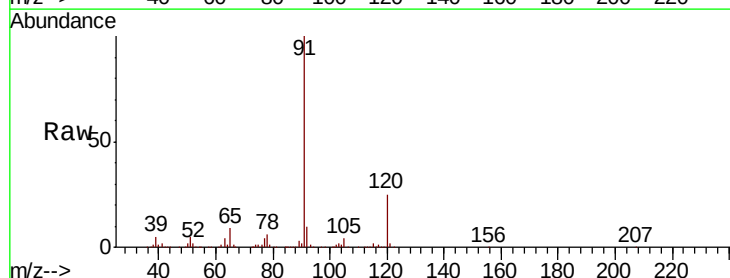
Acq: 23 Oct 2019 13:20

Tgt Ion: 91 Resp: 697476

Ion Ratio Lower Upper

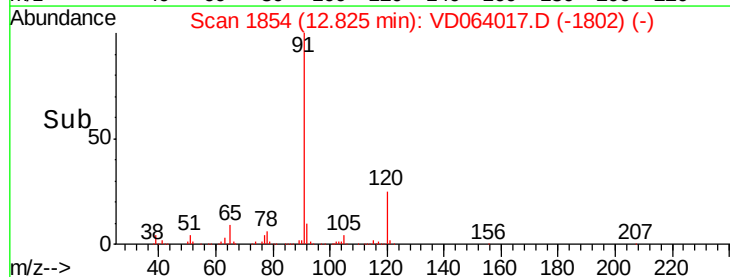
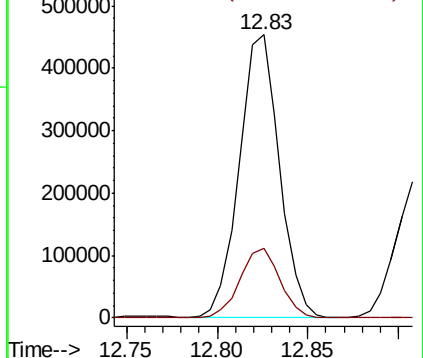
91 100

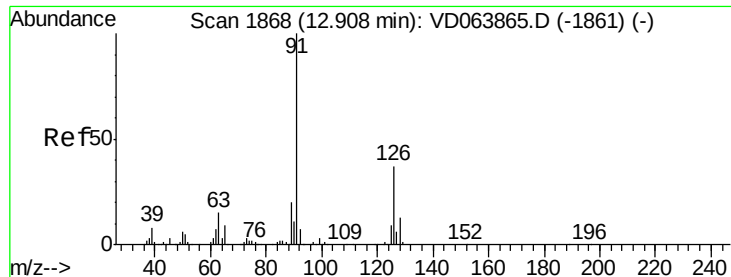
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.228 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

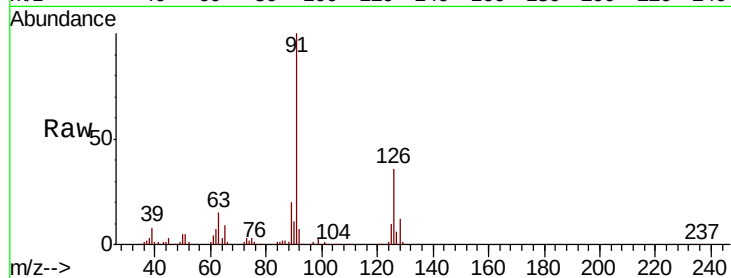
ClientSampleId :

Tot Ion: 91 Resp: 371908

Ion Ratio Lower Upper

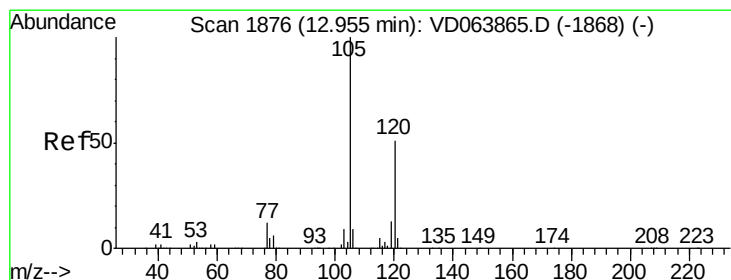
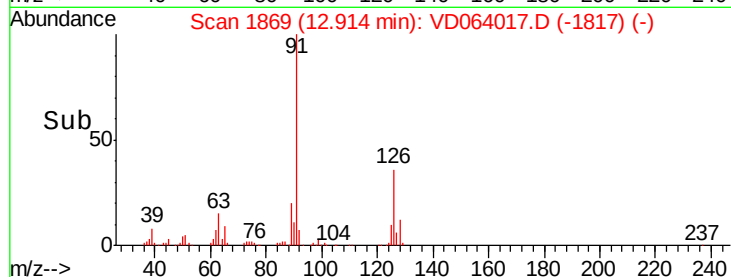
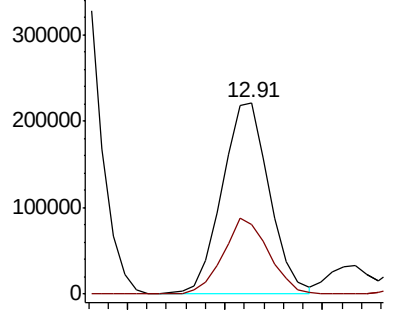
91 100

126 38.1 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.743 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD064017.D

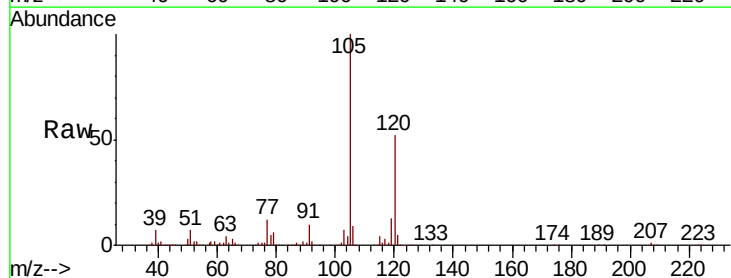
Acq: 23 Oct 2019 13:20

Tgt Ion:105 Resp: 503398

Ion Ratio Lower Upper

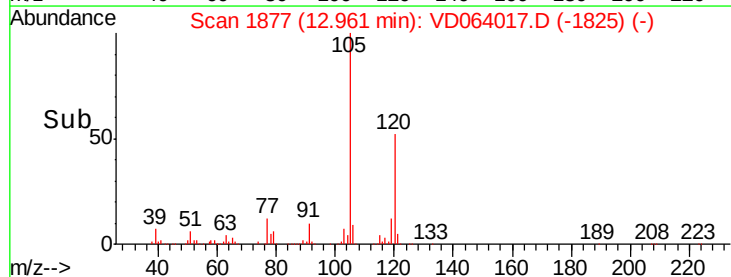
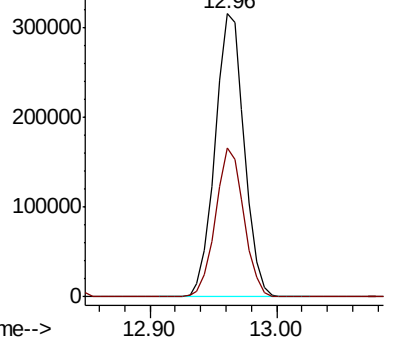
105 100

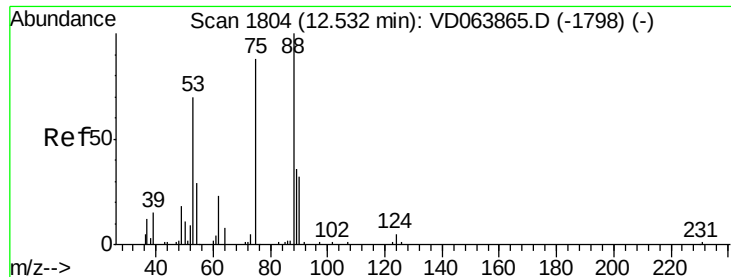
120 50.9 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 44.019 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

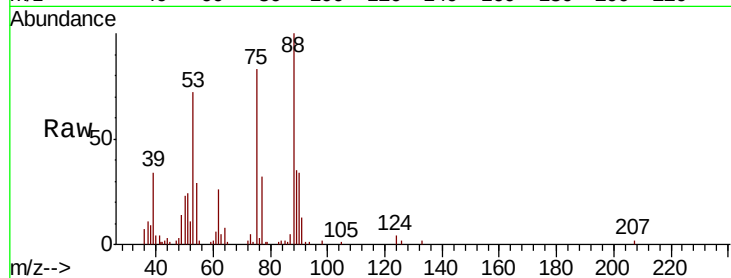
Tot Ion: 75 Resp: 28353

Ion Ratio Lower Upper

75 100

53 95.8 75.0 112.6

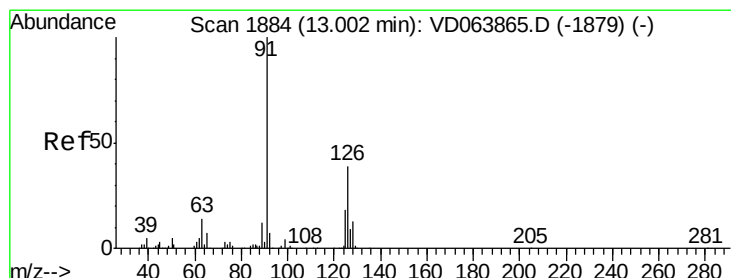
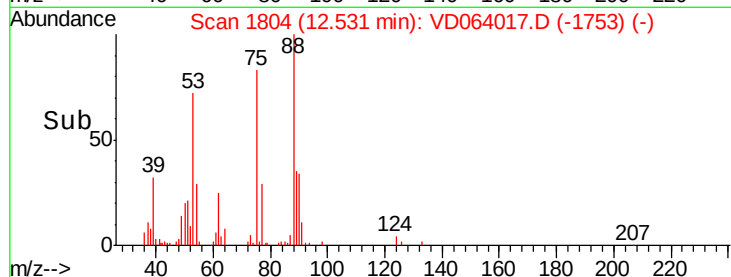
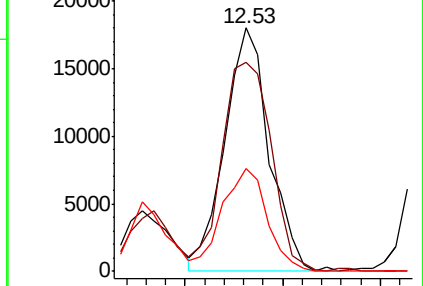
89 43.1 38.2 57.4



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: 48.970 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD064017.D

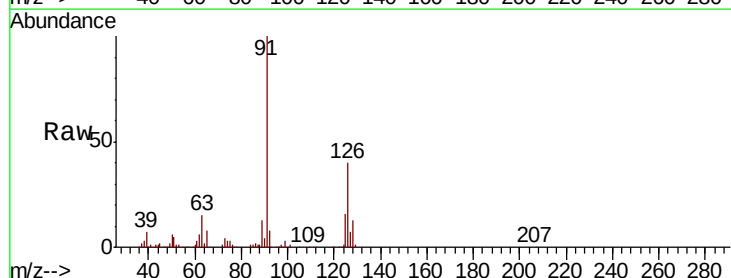
Acq: 23 Oct 2019 13:20

Tgt Ion: 91 Resp: 384641

Ion Ratio Lower Upper

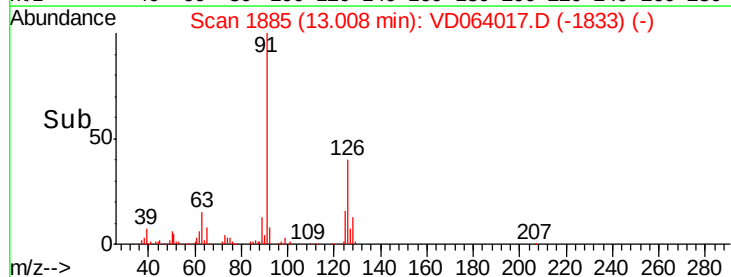
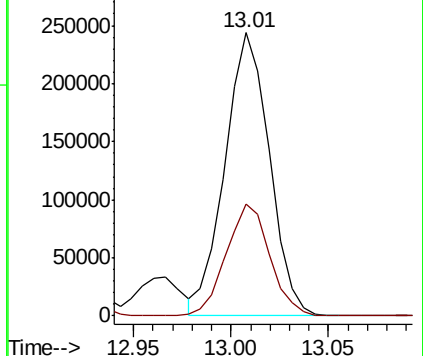
91 100

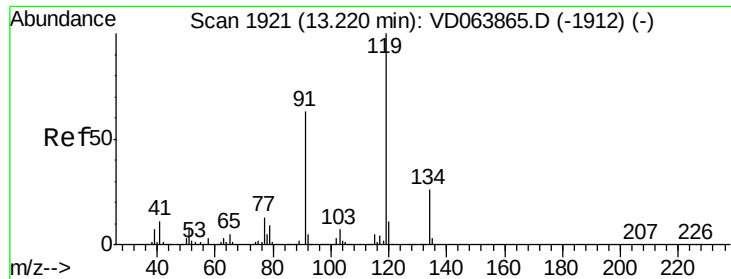
126 38.9 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

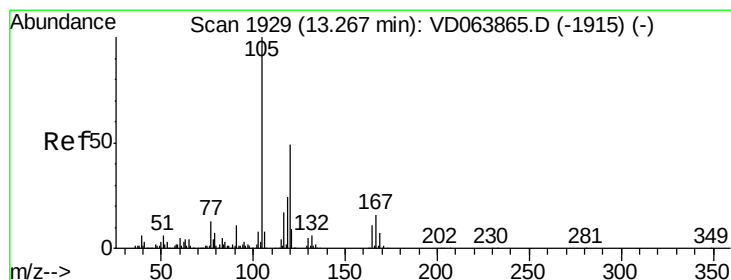
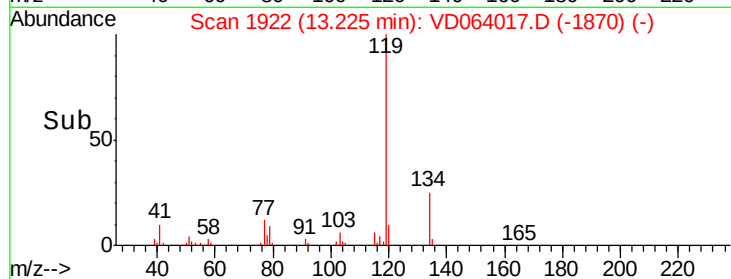
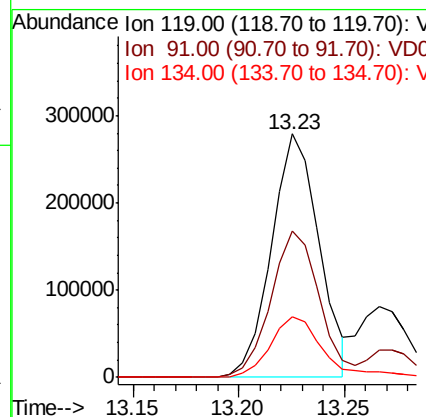
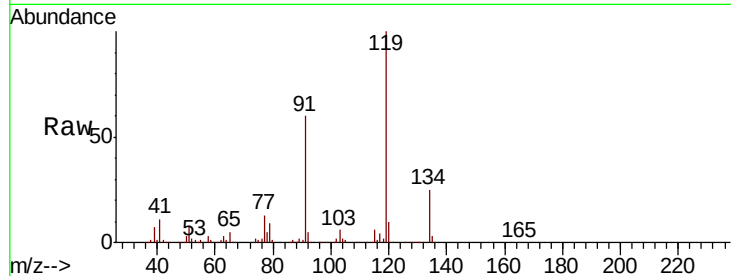




#83
 tert-Butylbenzene
 Concen: 51.544 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

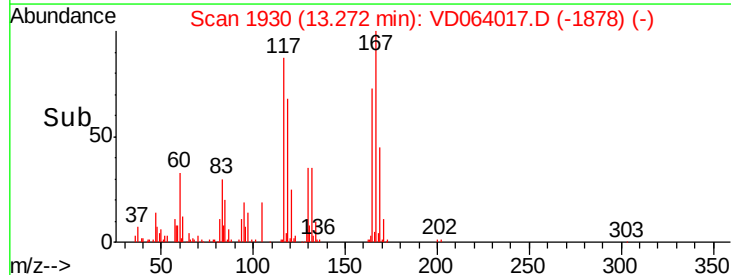
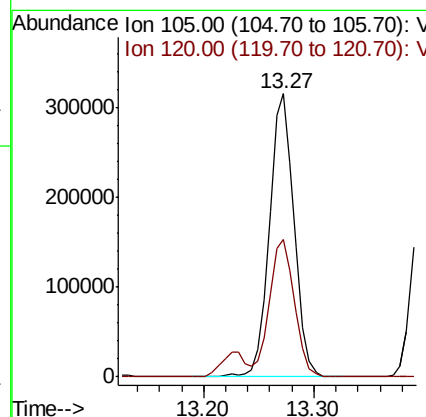
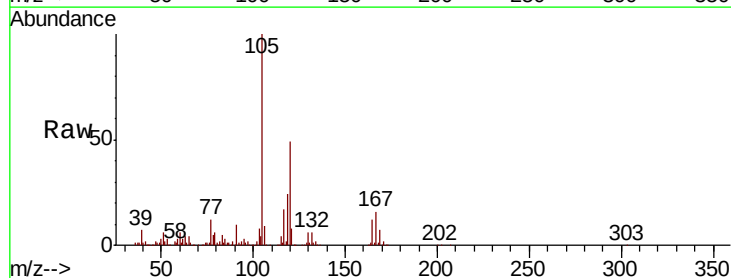
Instrument :
 MSVOA_D
 ClientSampleId :

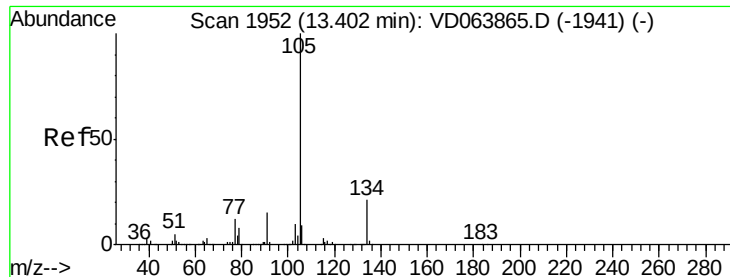
Tot Ion:119 Resp: 437825
 Ion Ratio Lower Upper
 119 100
 91 61.3 30.0 90.0
 134 27.7 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 49.937 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Tgt Ion:105 Resp: 491354
 Ion Ratio Lower Upper
 105 100
 120 49.4 23.8 71.5





#85

sec-Butylbenzene

Concen: 53.720 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

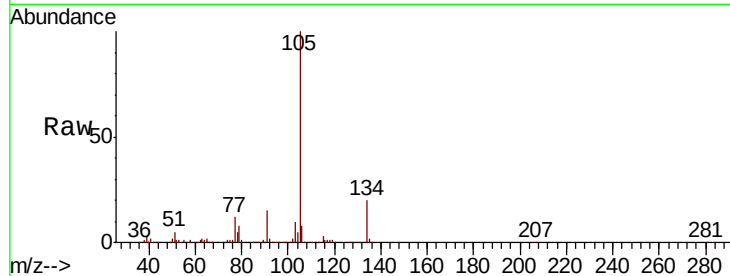
ClientSampleId :

Tot Ion:105 Resp: 616234

Ion Ratio Lower Upper

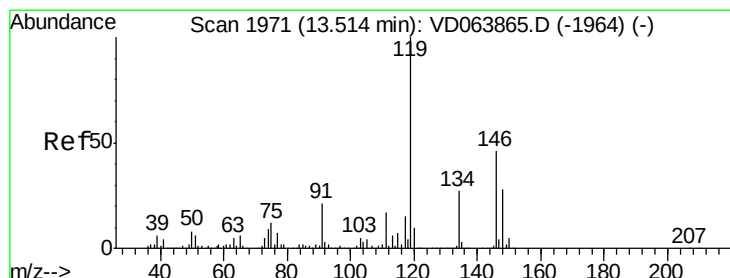
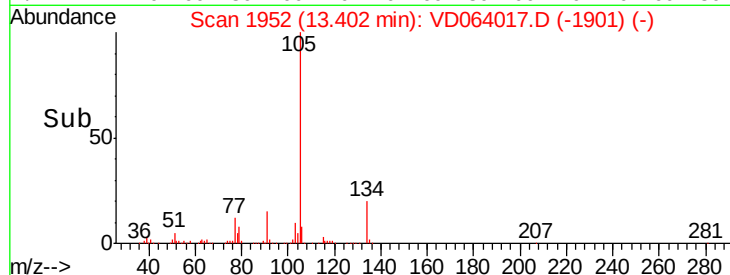
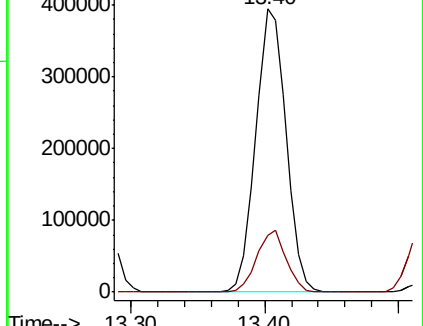
105 100

134 21.2 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.419 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

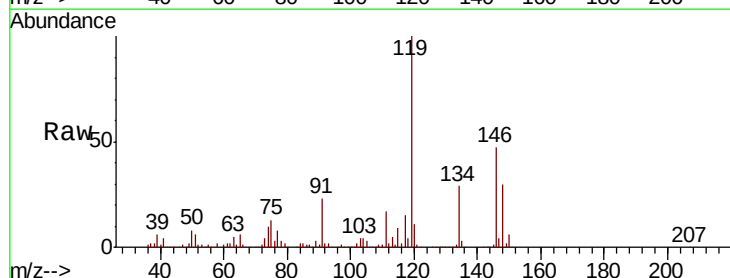
Tgt Ion:119 Resp: 579852

Ion Ratio Lower Upper

119 100

134 27.8 13.9 41.6

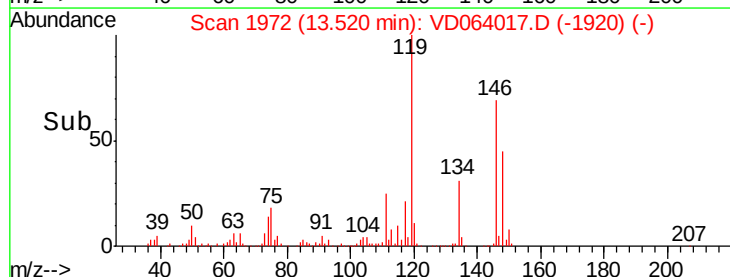
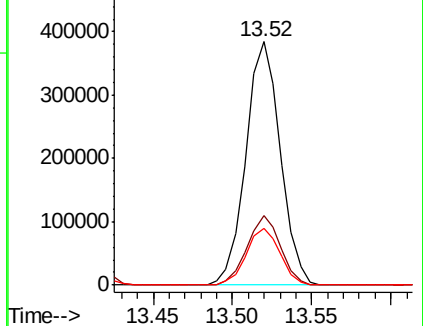
91 22.7 11.2 33.5

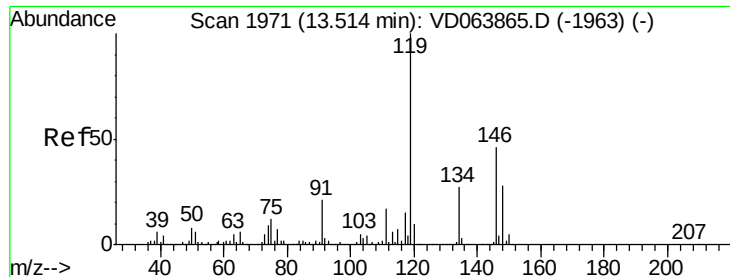


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

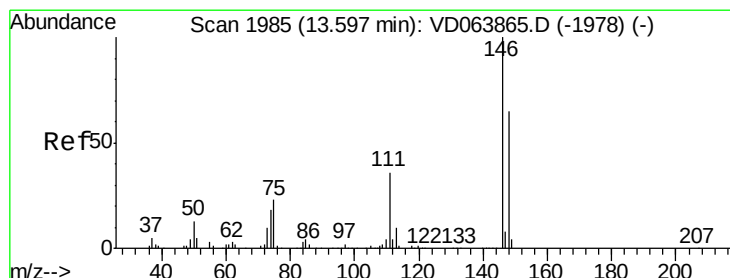
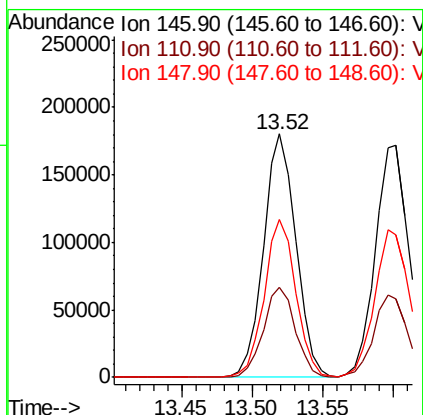
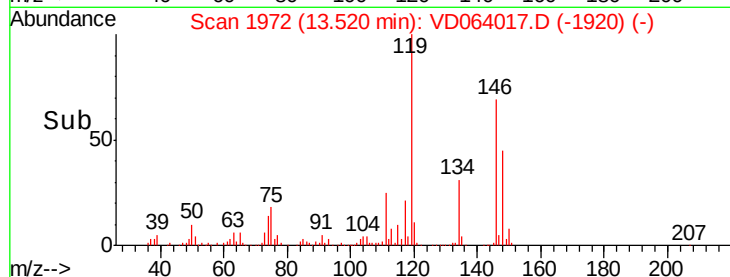
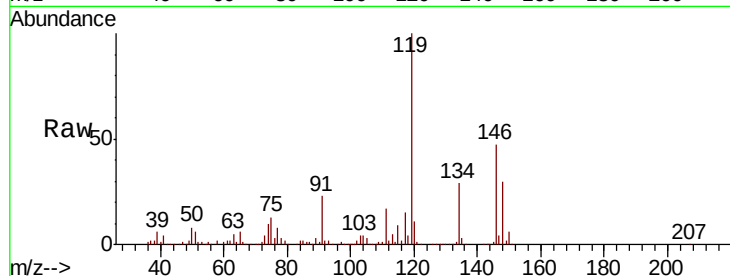




#87
 1,3-Dichlorobenzene
 Concen: 51.613 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

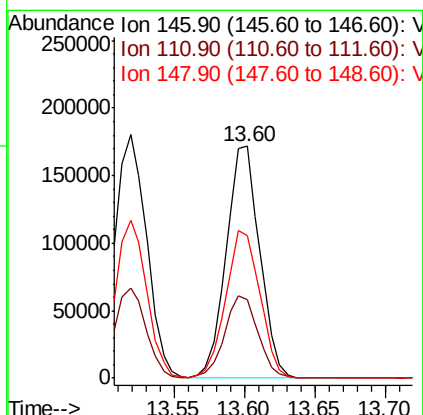
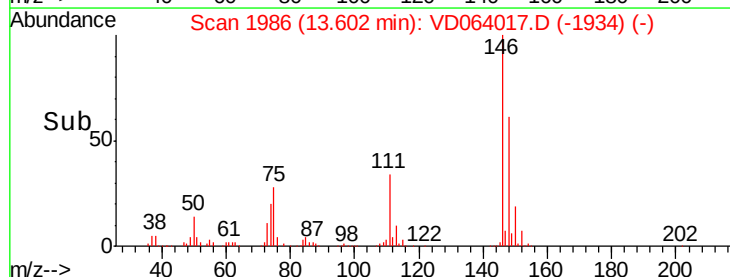
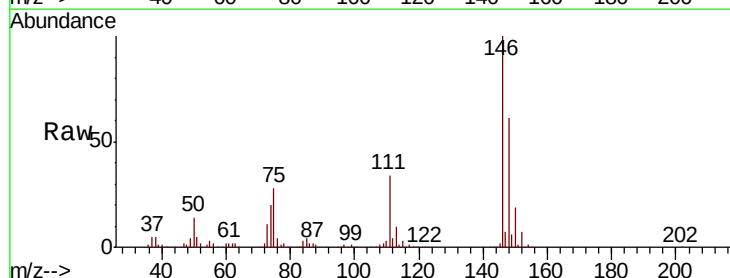
Instrument :
 MSVOA_D
 ClientSampleID :

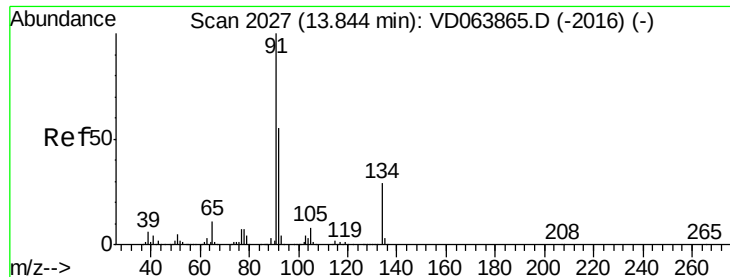
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.3	54.9
148	63.4	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 51.152 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.6	56.0
148	64.8	32.6	98.0

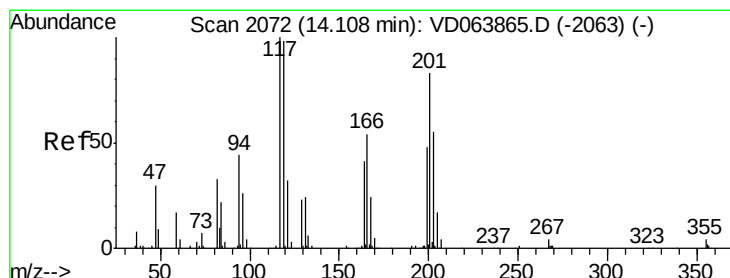
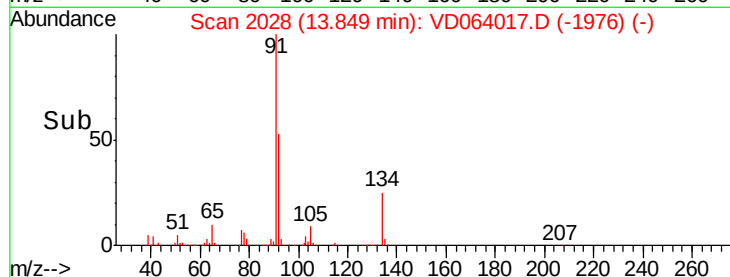
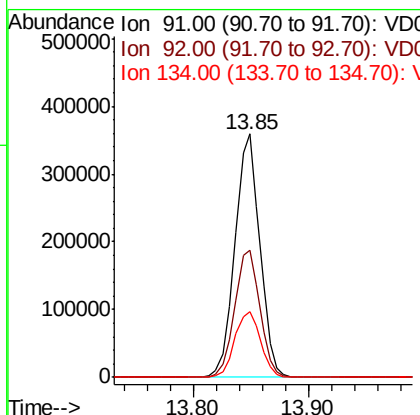
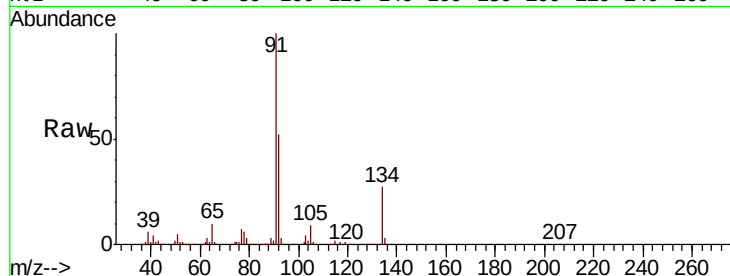




#89
n-Butylbenzene
Concen: 52.728 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

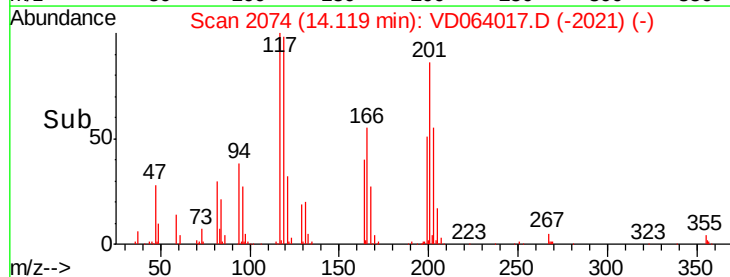
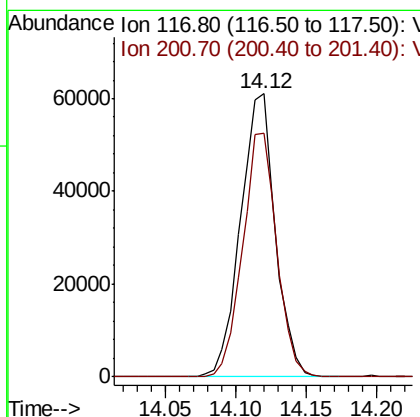
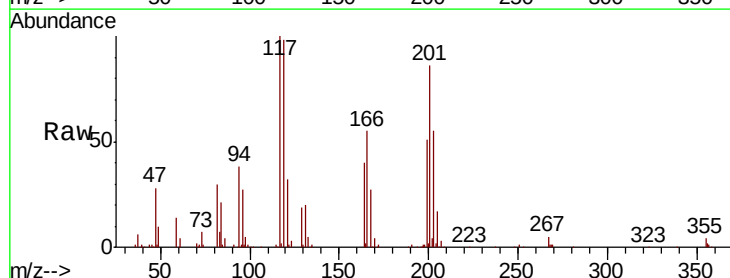
Instrument :
MSVOA_D
ClientSampled :

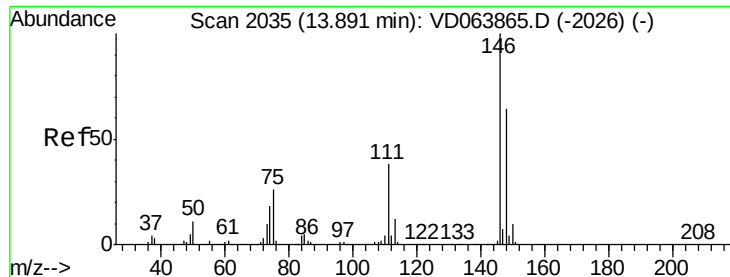
Tot Ion: 91 Resp: 532763
Ion Ratio Lower Upper
91 100
92 53.2 26.8 80.3
134 28.0 14.4 43.0



#90
Hexachloroethane
Concen: 53.778 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion: 117 Resp: 104991
Ion Ratio Lower Upper
117 100
201 84.7 40.6 121.7

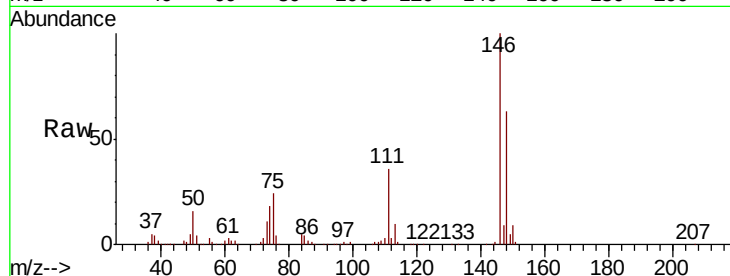




#91
 1,2-Dichlorobenzene
 Concen: 50.923 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.6
148	63.8	31.6	95.0

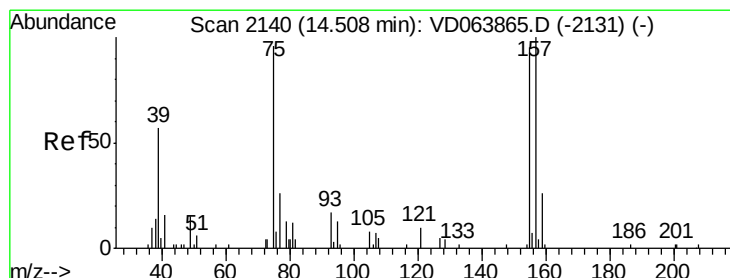
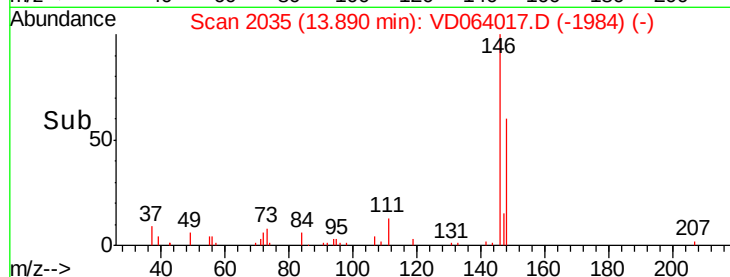
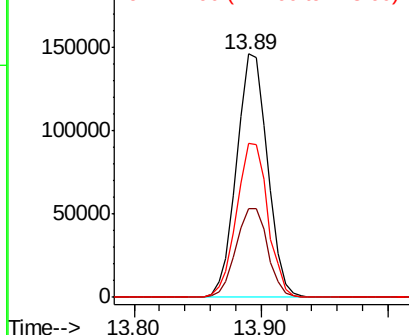


Abundance

Ion 145.90 (145.60 to 146.60): V

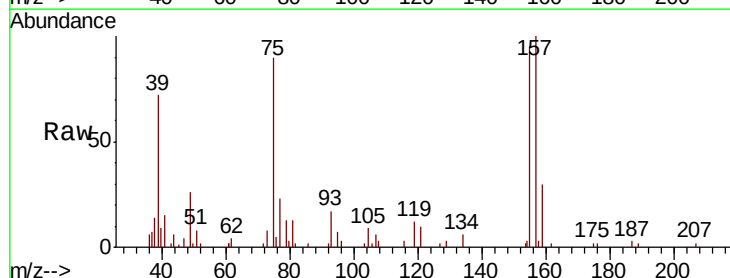
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.425 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	43.9	131.6
157	131.5	56.0	167.9

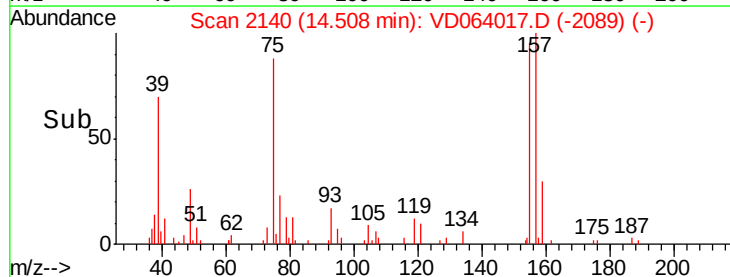
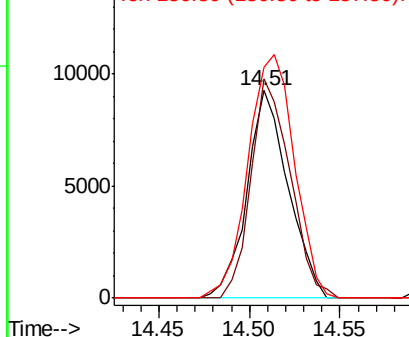


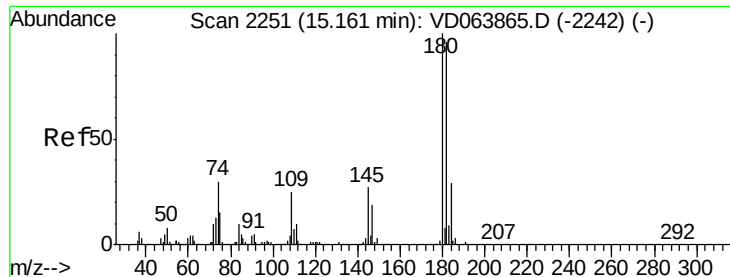
Abundance

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

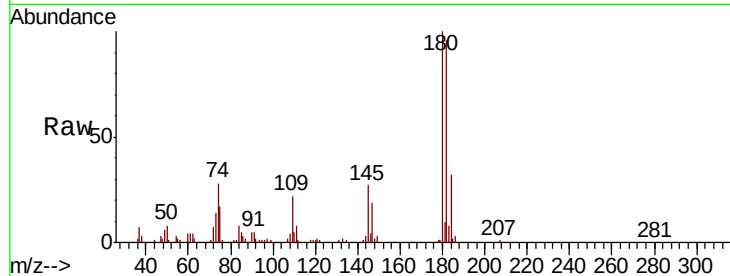




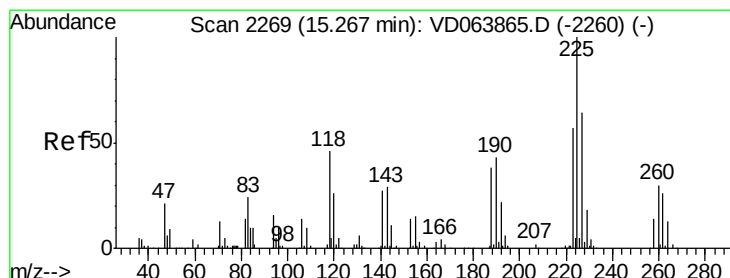
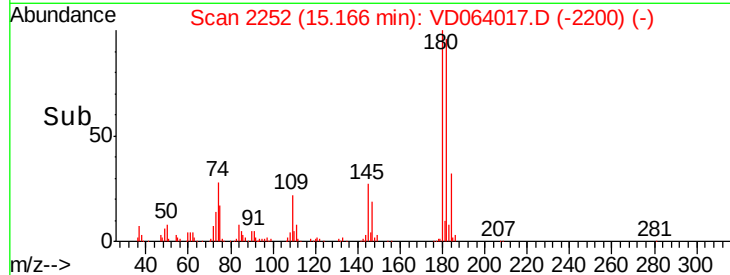
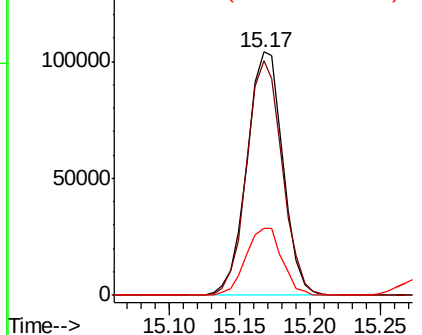
#93
 1,2,4-Trichlorobenzene
 Concen: 49.687 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.3
145	27.9	13.9	41.7

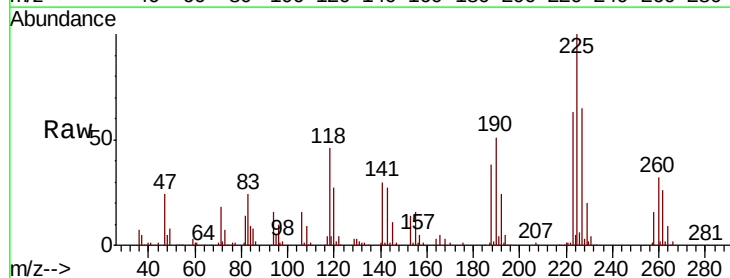


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

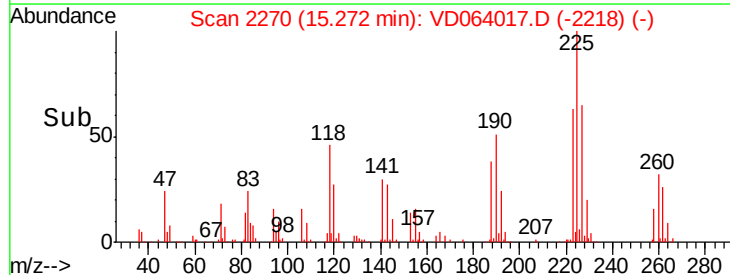
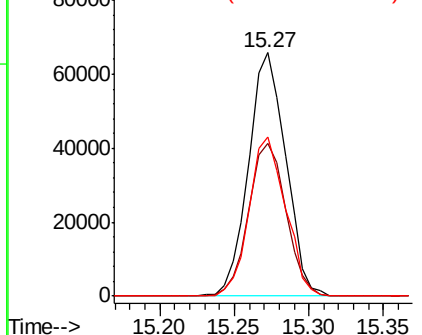


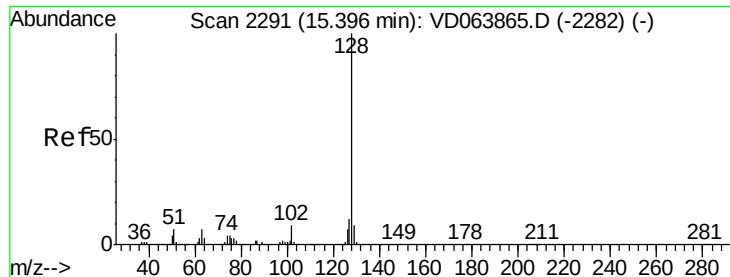
#94
 Hexachlorobutadiene
 Concen: 54.992 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	29.5	88.6
227	64.2	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: 49.447 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

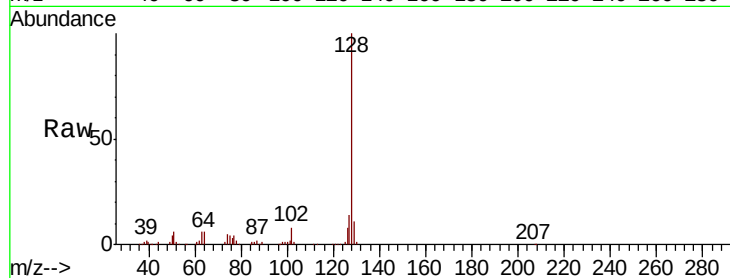
Tot Ion:128 Resp: 311233

Ion Ratio Lower Upper

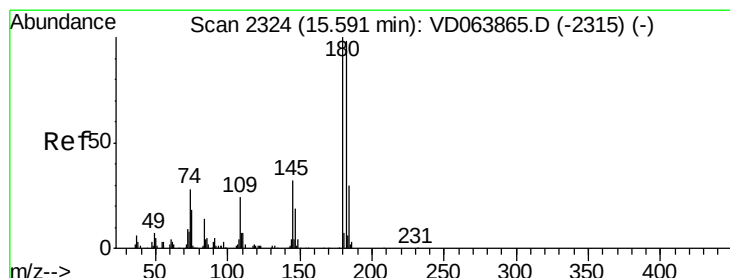
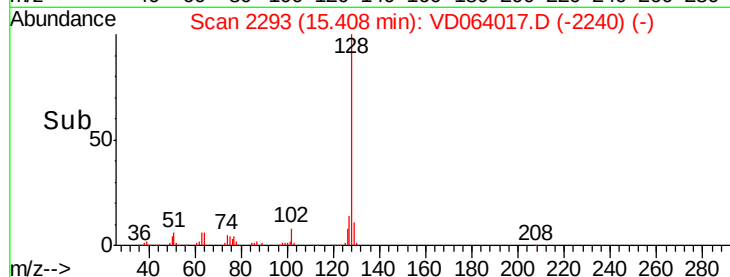
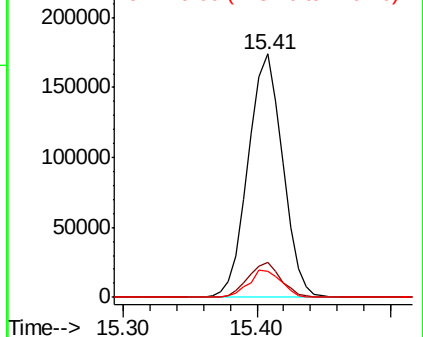
128 100

127 13.7 10.6 16.0

129 10.7 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: 49.929 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

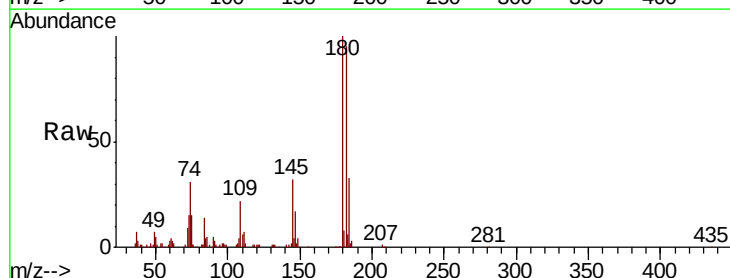
Tgt Ion:180 Resp: 161322

Ion Ratio Lower Upper

180 100

182 96.5 47.0 141.0

145 29.6 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

