

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100419\
 Data File : VD063887.D
 Acq On : 04 Oct 2019 15:06
 Operator : VA/SY
 Sample : VD1004SBS01
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Quant Time: Oct 05 02:18:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 04 01:55:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	197934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	311203	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	307793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	161667	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	94046	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
35) Dibromofluoromethane	7.92	113	92868	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
50) Toluene-d8	10.34	98	386945	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.63	95	127607	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	27312	19.457 ug/l	95
3) Chloromethane	2.21	50	84137	19.571 ug/l	99
4) Vinyl Chloride	2.35	62	88671	19.545 ug/l	98
5) Bromomethane	2.76	94	52849	18.120 ug/l	91
6) Chloroethane	2.92	64	58399	19.464 ug/l #	81
7) Trichlorofluoromethane	3.27	101	117651	19.614 ug/l	100
8) Diethyl Ether	3.71	74	19488	20.242 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	33550	20.206 ug/l	99
10) Methyl Iodide	4.29	142	45179	19.747 ug/l	98
11) Tert butyl alcohol	5.24	59	11756	86.009 ug/l #	87
12) 1,1-Dichloroethene	4.06	96	33666	20.295 ug/l	98
13) Acrolein	3.91	56	16830	97.786 ug/l	95
14) Allyl chloride	4.71	41	51864	18.805 ug/l	99
15) Acrylonitrile	5.43	53	42835	100.914 ug/l	99
16) Acetone	4.17	43	45462	90.614 ug/l	96
17) Carbon Disulfide	4.40	76	117834	19.541 ug/l #	93
18) Methyl Acetate	4.72	43	19138	19.503 ug/l	99
19) Methyl tert-butyl Ether	5.48	73	86953	20.242 ug/l	94
20) Methylene Chloride	4.96	84	51291	19.919 ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	41333	20.015 ug/l	95
22) Diisopropyl ether	6.37	45	112985	20.059 ug/l	99
23) Vinyl Acetate	6.31	43	339919	101.445 ug/l	97
24) 1,1-Dichloroethane	6.27	63	71108	20.495 ug/l	96
25) 2-Butanone	7.22	43	57690	97.026 ug/l	97
26) 2,2-Dichloropropane	7.21	77	61930	19.733 ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	45832	19.608 ug/l	94
28) Bromochloromethane	7.55	49	22355	17.197 ug/l	99
29) Tetrahydrofuran	7.57	42	34319	98.889 ug/l	99
30) Chloroform	7.71	83	73217	19.430 ug/l	89
31) Cyclohexane	7.98	56	64647	19.872 ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	65950	20.403 ug/l	96
36) 1,1-Dichloropropene	8.11	75	57215	20.108 ug/l	96
37) Ethyl Acetate	7.30	43	27596	21.371 ug/l	96
38) Carbon Tetrachloride	8.10	117	59508	20.696 ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100419\
 Data File : VD063887.D
 Acq On : 04 Oct 2019 15:06
 Operator : VA/SY
 Sample : VD1004SBSD01
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1004SBSD01

Quant Time: Oct 05 02:18:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 04 01:55:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	68579	19.602	ug/l	96
40) Benzene	8.36	78	164829	20.214	ug/l	98
41) Methacrylonitrile	7.53	41	12684	19.227	ug/l	94
42) 1,2-Dichloroethane	8.43	62	47981	20.342	ug/l	99
43) Isopropyl Acetate	8.46	43	48689	20.404	ug/l	96
44) Trichloroethene	9.11	130	46734	19.876	ug/l	84
45) 1,2-Dichloropropane	9.38	63	40818	20.452	ug/l	94
46) Dibromomethane	9.47	93	22828	20.084	ug/l	98
47) Bromodichloromethane	9.67	83	58008	19.822	ug/l	96
48) Methyl methacrylate	9.46	41	23537	20.586	ug/l	93
49) 1,4-Dioxane	9.47	88	6451	415.784	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	125685	101.558	ug/l	98
52) Toluene	10.40	92	114140	20.391	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	56695	19.853	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	63983	19.464	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	33173	20.670	ug/l	94
56) Ethyl methacrylate	10.66	69	40010	19.686	ug/l	95
57) 1,3-Dichloropropane	10.94	76	54335	19.787	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	84781	97.048	ug/l	97
59) 2-Hexanone	10.98	43	86110	96.189	ug/l	96
60) Dibromochloromethane	11.14	129	40127	19.205	ug/l	99
61) 1,2-Dibromoethane	11.25	107	33190	21.332	ug/l	96
64) Tetrachloroethene	10.87	164	40139	19.103	ug/l	98
65) Chlorobenzene	11.67	112	123876	20.040	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	44419	19.502	ug/l	99
67) Ethyl Benzene	11.74	91	219980	19.736	ug/l	94
68) m/p-Xylenes	11.86	106	170757	39.691	ug/l	98
69) o-Xylene	12.18	106	83391	20.243	ug/l	97
70) Styrene	12.20	104	138105	19.804	ug/l	96
71) Bromoform	12.36	173	25472	20.838	ug/l #	96
73) Isopropylbenzene	12.48	105	215705	19.848	ug/l	98
74) N-amyl acetate	12.29	43	48211	20.604	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	38112	20.152	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	47342	43.722	ug/l #	100
77) Bromobenzene	12.76	156	53378	19.713	ug/l	96
78) n-propylbenzene	12.82	91	259094	20.310	ug/l	99
79) 2-Chlorotoluene	12.91	91	140334	19.951	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	188382	20.777	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.53	75	11967	19.557	ug/l	87
82) 4-Chlorotoluene	13.01	91	153587	20.583	ug/l	96
83) tert-Butylbenzene	13.23	119	159470	19.762	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	186782	19.982	ug/l	100
85) sec-Butylbenzene	13.40	105	219615	20.153	ug/l	100
86) p-Isopropyltoluene	13.51	119	203696	19.753	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	103960	19.431	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	105973	20.078	ug/l	99
89) n-Butylbenzene	13.84	91	195407	20.358	ug/l	98
90) Hexachloroethane	14.11	117	35982	19.401	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	94232	20.438	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6026	18.418	ug/l	92

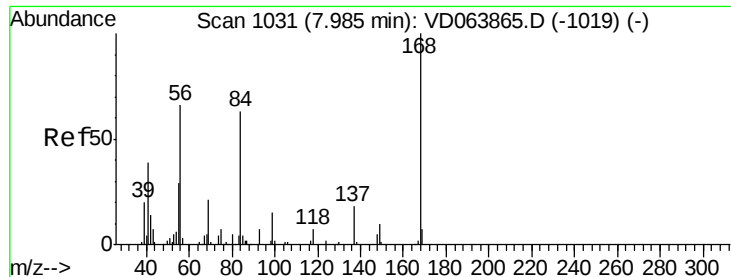
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD100419\
Data File : VD063887.D
Acq On : 04 Oct 2019 15:06
Operator : VA/SY
Sample : VD1004SBSD01
Misc : 5.00g/5.00mL/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

Quant Time: Oct 05 02:18:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 04 01:55:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	70234	19.742	ug/l	99
94) Hexachlorobutadiene	15.27	225	39277	20.007	ug/l	96
95) Naphthalene	15.40	128	121587	20.334	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	61181	19.932	ug/l	96

(#) = 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: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

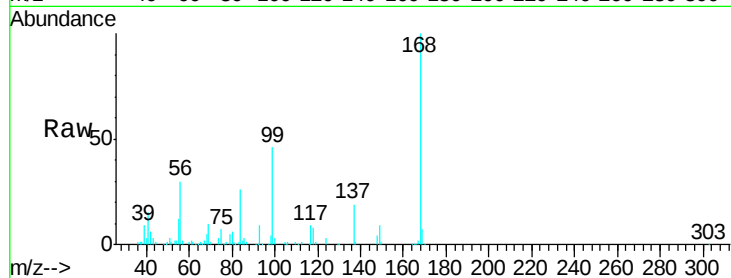
VD1004SBSD01

Tgt Ion:168 Resp: 197934

Ion Ratio Lower Upper

168 100

99 45.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

40000

20000

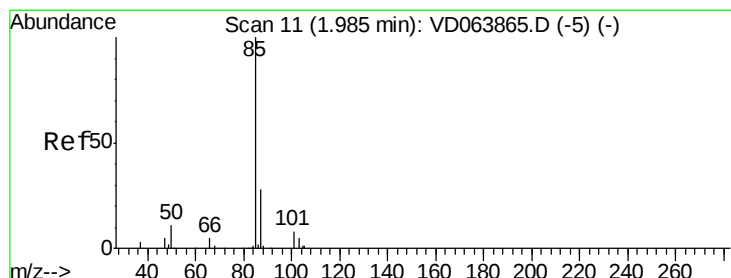
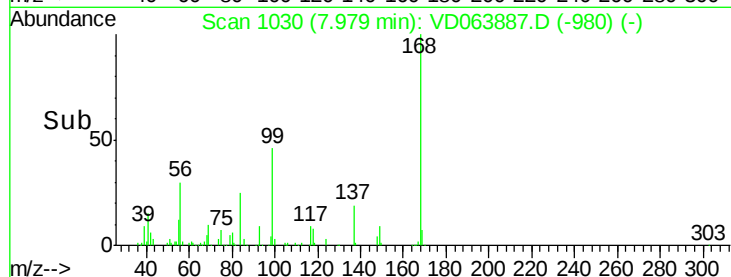
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.457 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063887.D

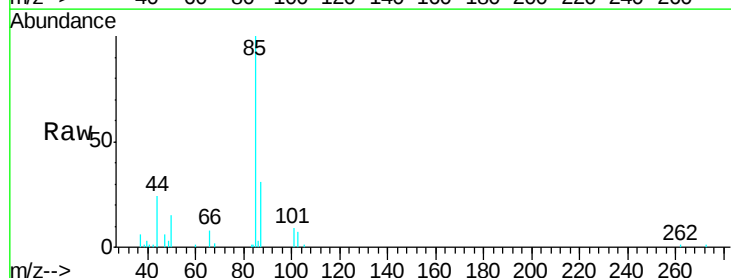
Acq: 04 Oct 2019 15:06

Tgt Ion: 85 Resp: 27312

Ion Ratio Lower Upper

85 100

87 30.9 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

20000

15000

10000

5000

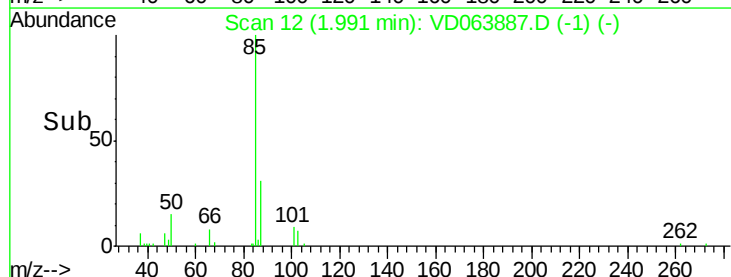
0

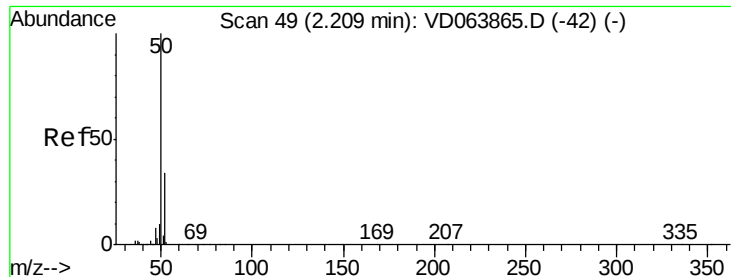
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 19.571 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

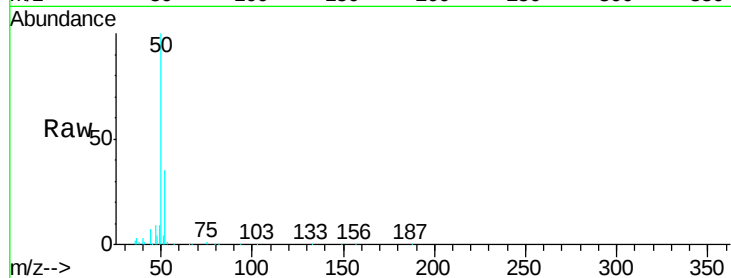
VD1004SBSD01

Tgt Ion: 50 Resp: 84137

Ion Ratio Lower Upper

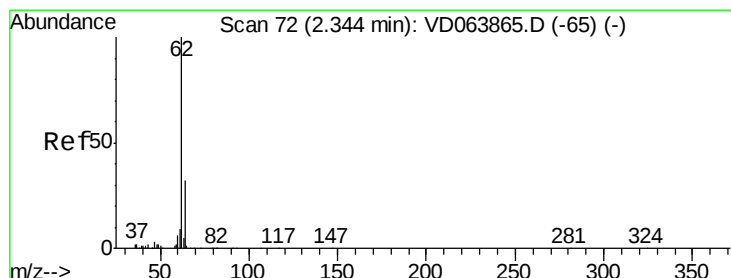
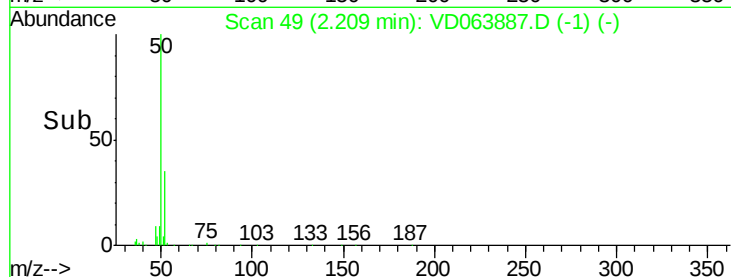
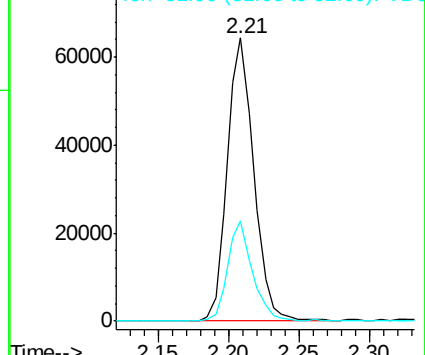
50 100

52 35.3 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.545 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063887.D

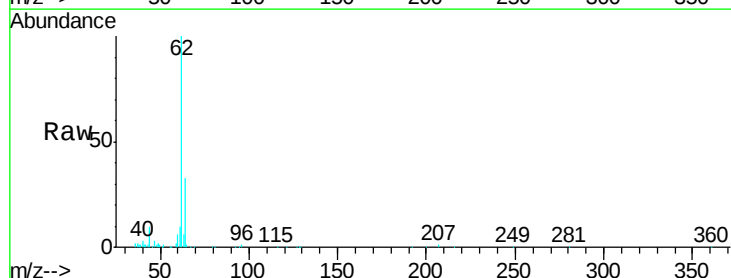
Acq: 04 Oct 2019 15:06

Tgt Ion: 62 Resp: 88671

Ion Ratio Lower Upper

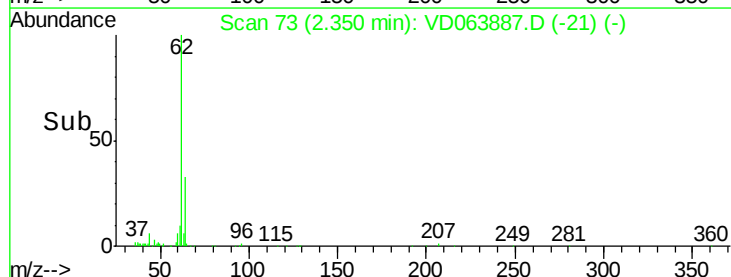
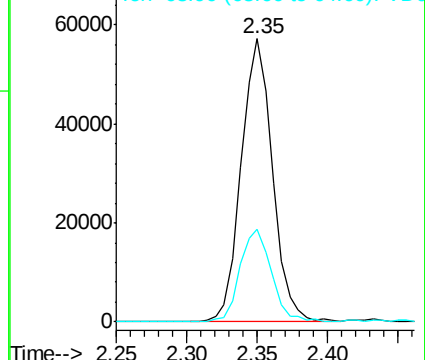
62 100

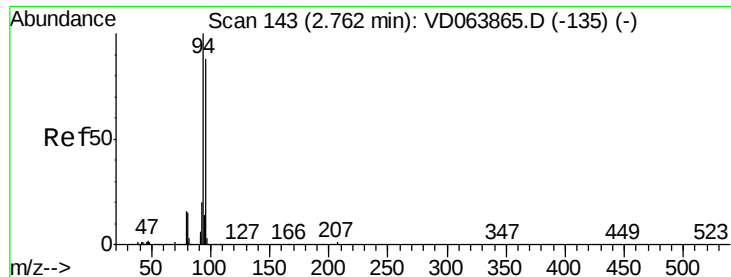
64 32.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.120 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

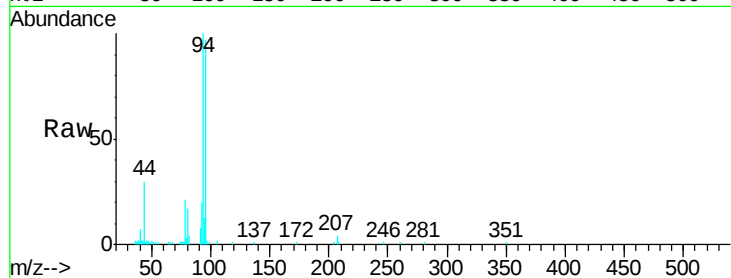
VD1004SBSD01

Tgt Ion: 94 Resp: 52849

Ion Ratio Lower Upper

94 100

96 96.5 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

20000

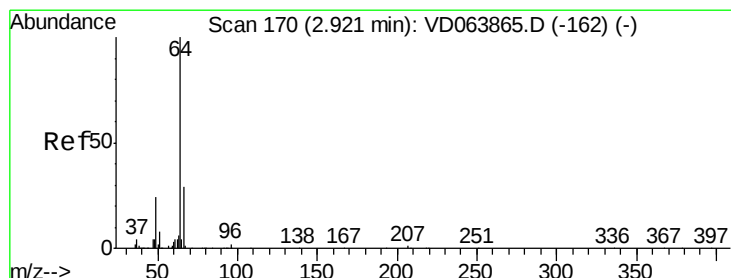
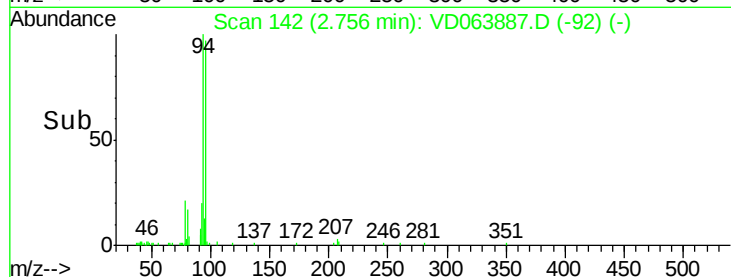
15000

10000

5000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 19.464 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063887.D

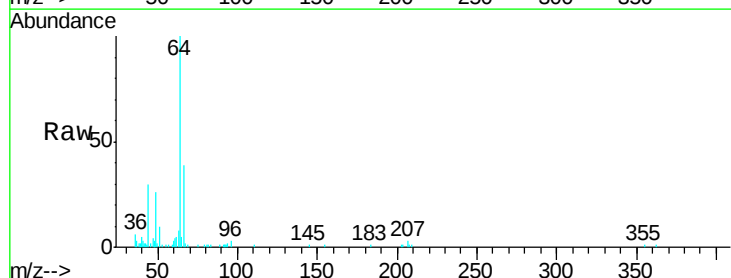
Acq: 04 Oct 2019 15:06

Tgt Ion: 64 Resp: 58399

Ion Ratio Lower Upper

64 100

66 38.9 23.0 34.4#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

25000

20000

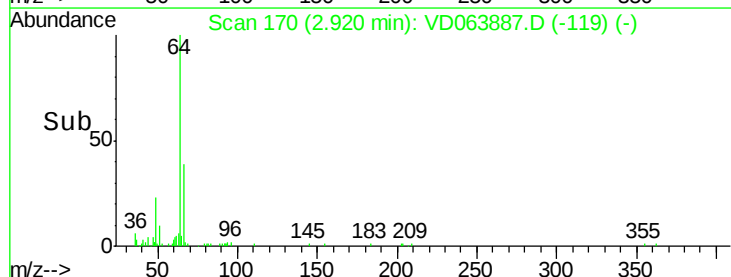
15000

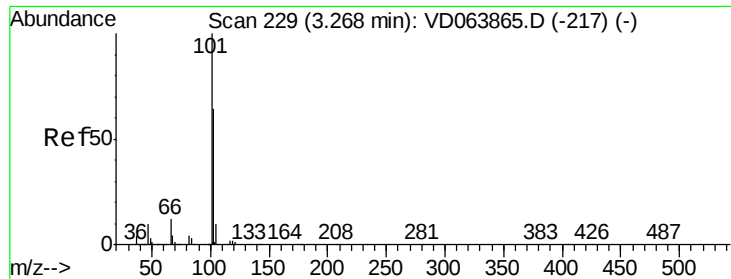
10000

5000

0

Time--> 2.80 2.90 3.00





#7

Trichlorofluoromethane

Concen: 19.614 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

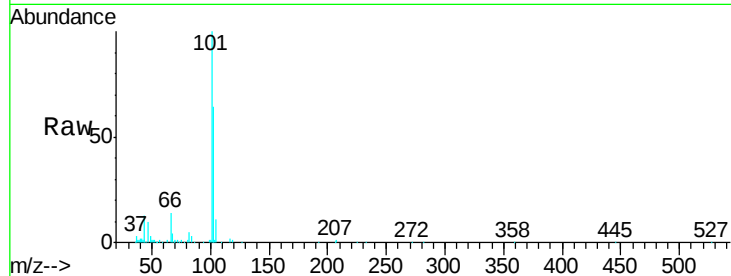
VD1004SBSD01

Tgt Ion: 101 Resp: 117651

Ion Ratio Lower Upper

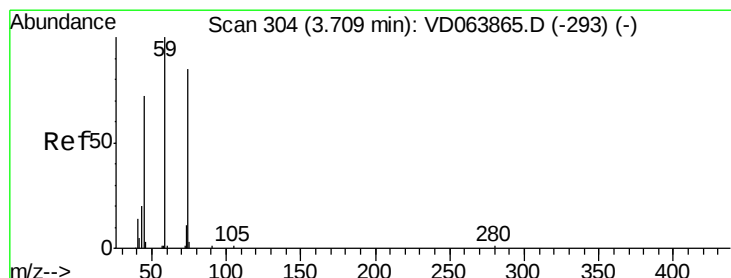
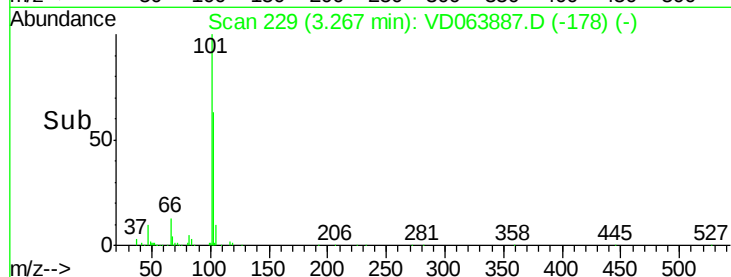
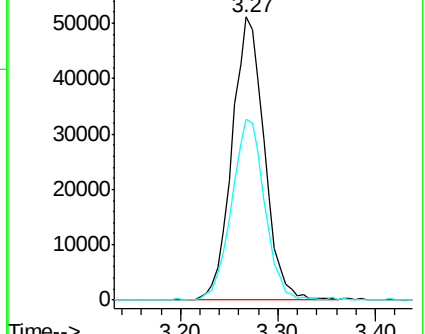
101 100

103 63.9 51.1 76.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.242 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD063887.D

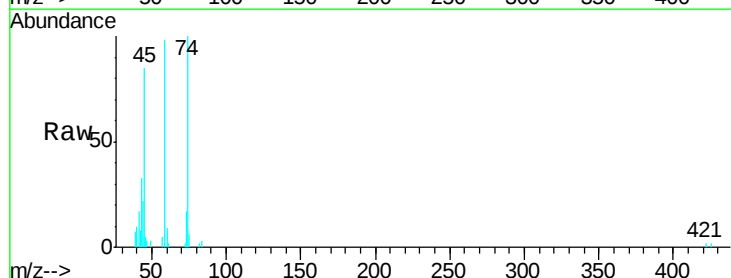
Acq: 04 Oct 2019 15:06

Tgt Ion: 74 Resp: 19488

Ion Ratio Lower Upper

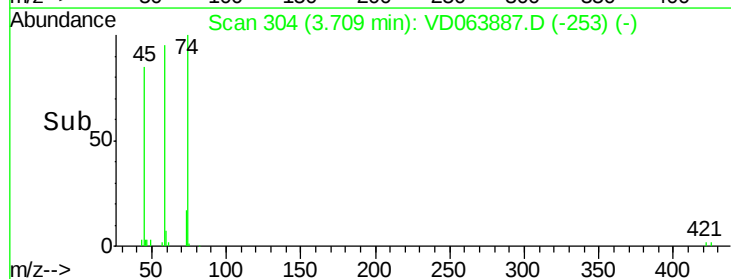
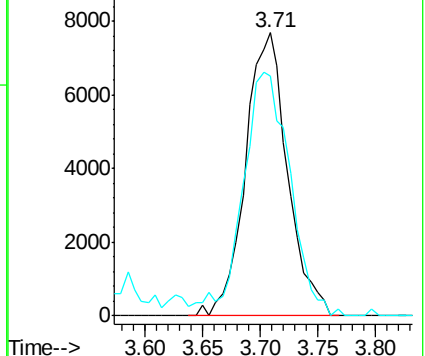
74 100

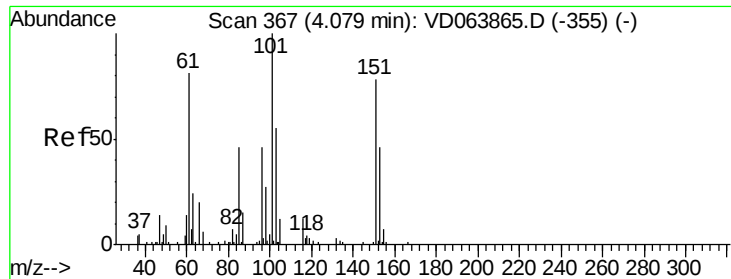
45 95.8 48.1 144.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.206 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBSD01

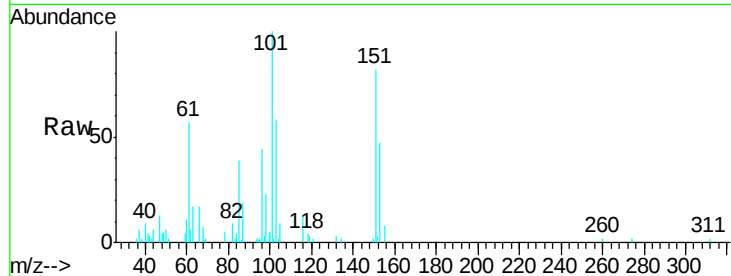
Tgt Ion:101 Resp: 33550

Ion Ratio Lower Upper

101 100

85 45.3 37.5 56.3

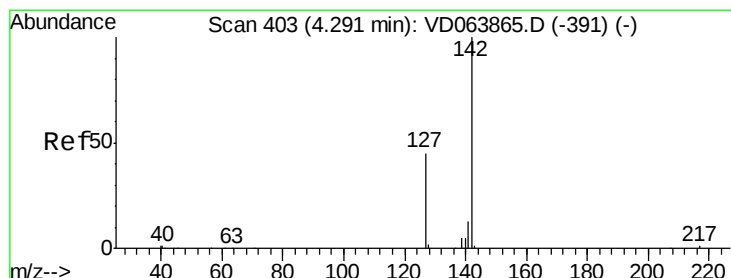
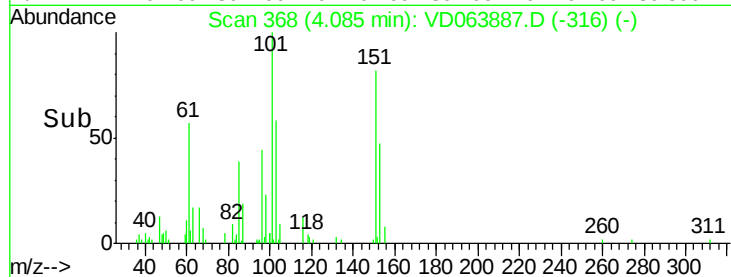
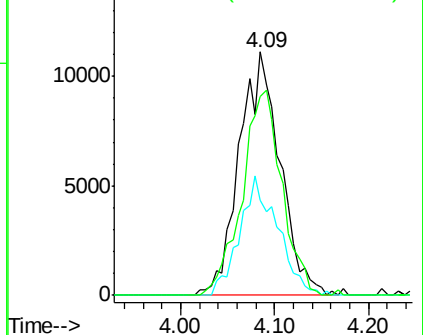
151 81.8 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.747 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

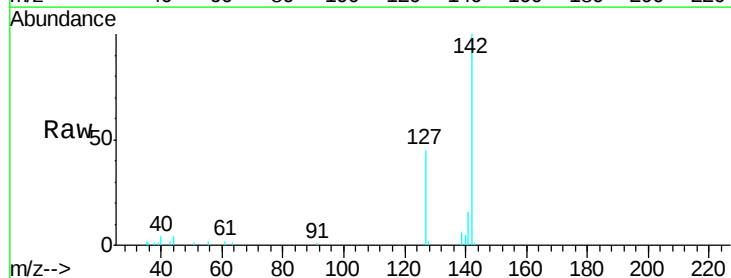
Tgt Ion:142 Resp: 45179

Ion Ratio Lower Upper

142 100

127 42.4 35.3 52.9

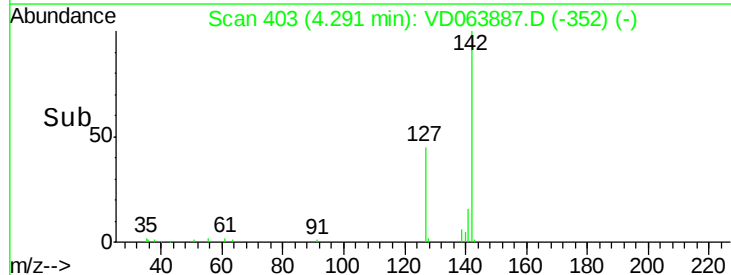
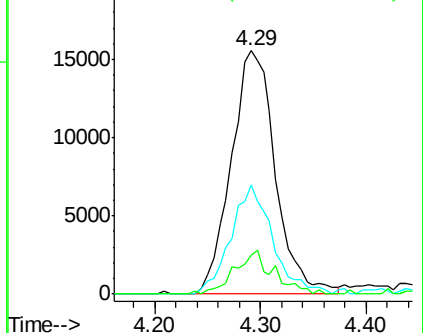
141 15.6 12.2 18.2

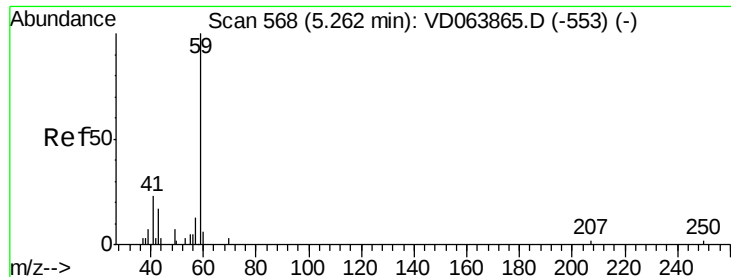


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



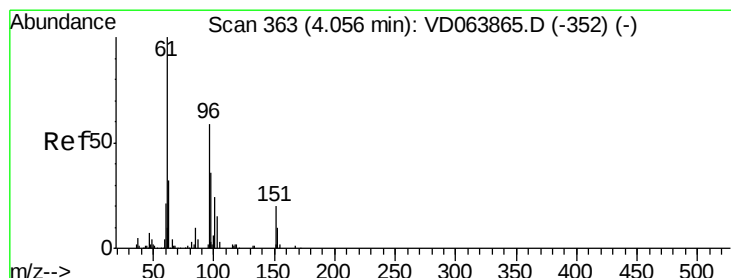
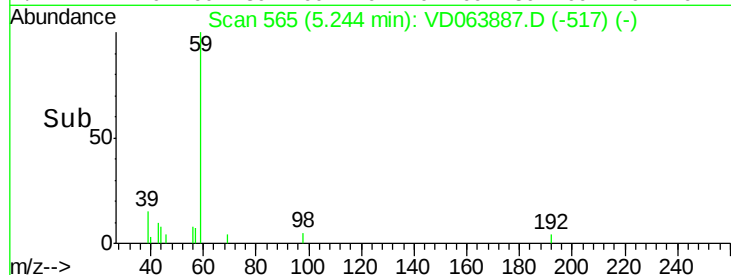
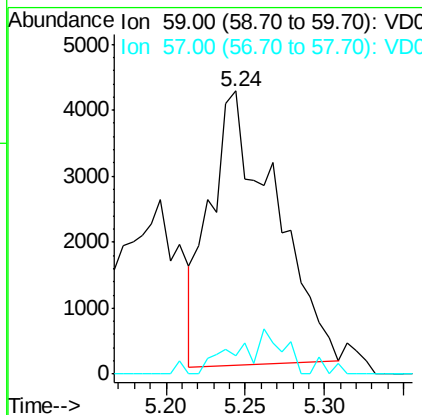
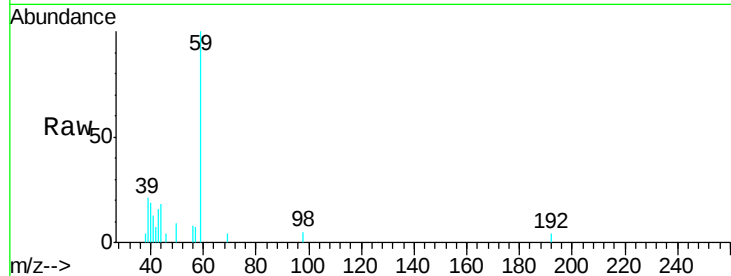


#11

Tert butyl alcohol
 Concen: 86.009 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBSD01

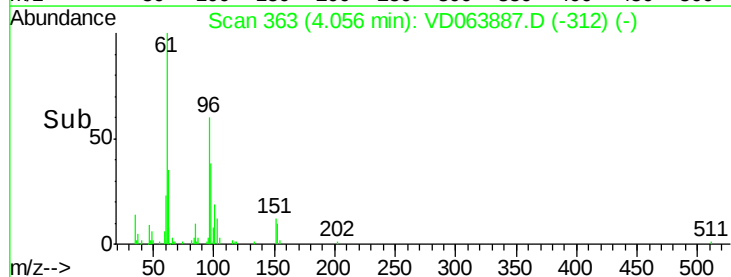
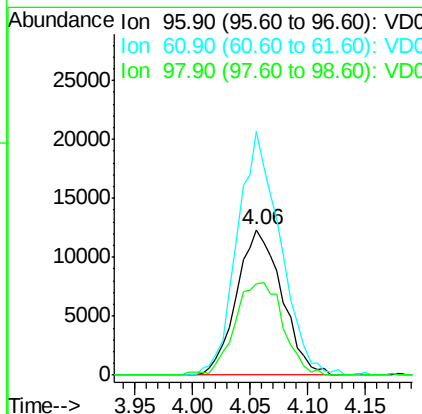
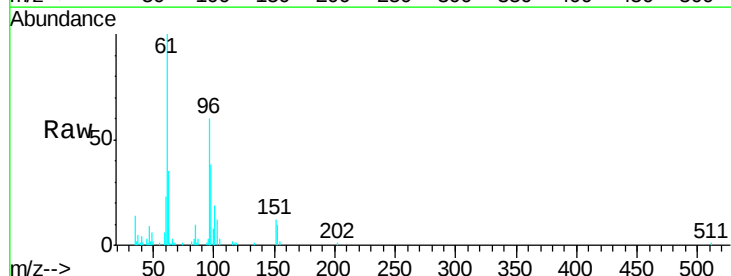
Tgt Ion: 59 Resp: 11756
 Ion Ratio Lower Upper
 59 100
 57 6.0 8.8 13.2#

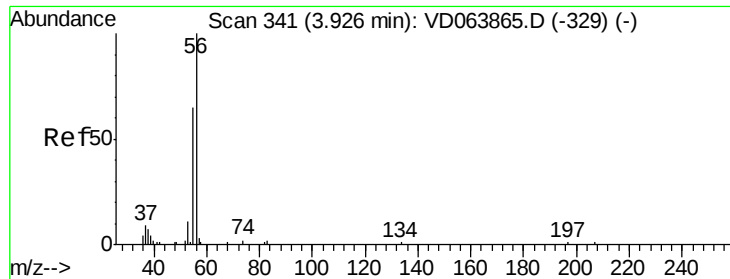


#12

1,1-Dichloroethene
 Concen: 20.295 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

Tgt Ion: 96 Resp: 33666
 Ion Ratio Lower Upper
 96 100
 61 167.1 135.6 203.4
 98 63.1 49.2 73.8





#13

Acrolein

Concen: 97.786 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

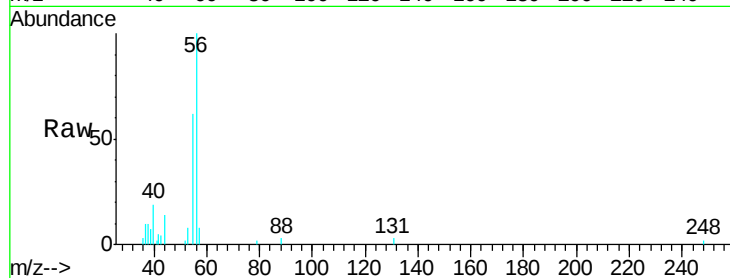
VD1004SBSD01

Tgt Ion: 56 Resp: 16830

Ion Ratio Lower Upper

56 100

55 70.0 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.91

6000

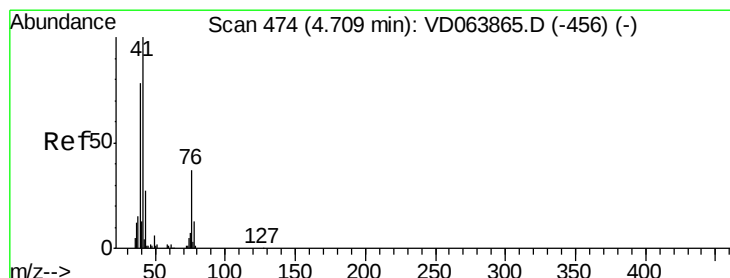
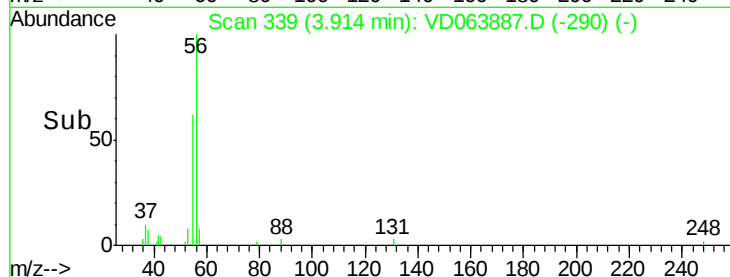
4000

2000

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 18.805 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

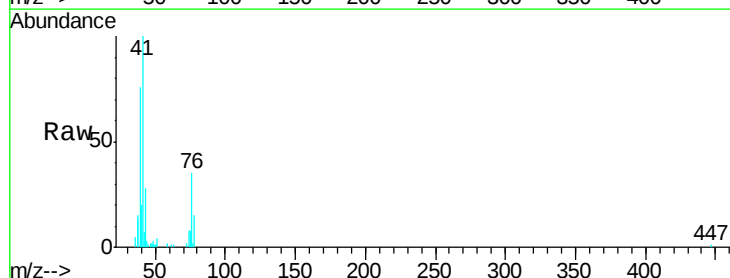
Tgt Ion: 41 Resp: 51864

Ion Ratio Lower Upper

41 100

39 77.1 61.8 92.6

76 40.8 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

4.71

20000

15000

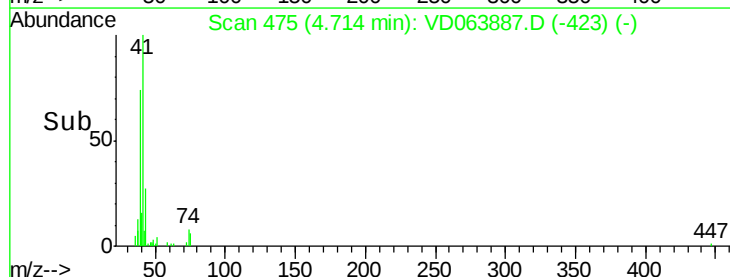
10000

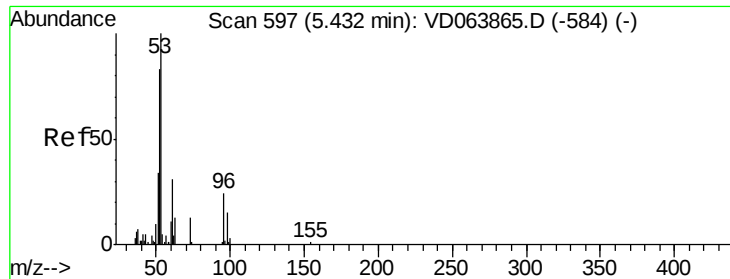
5000

0

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 100.914 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBSD01

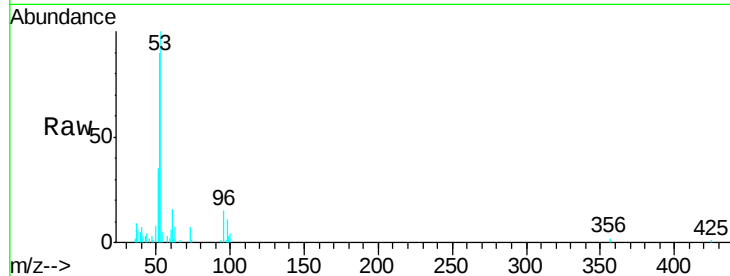
Tgt Ion: 53 Resp: 42835

Ion Ratio Lower Upper

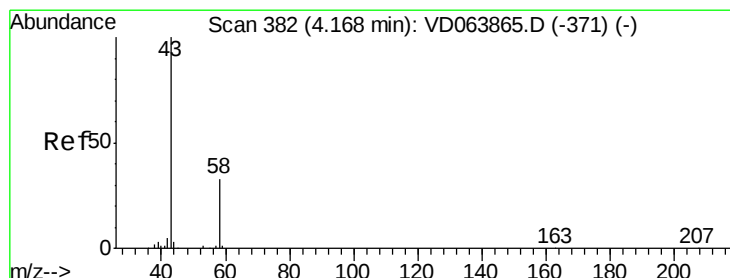
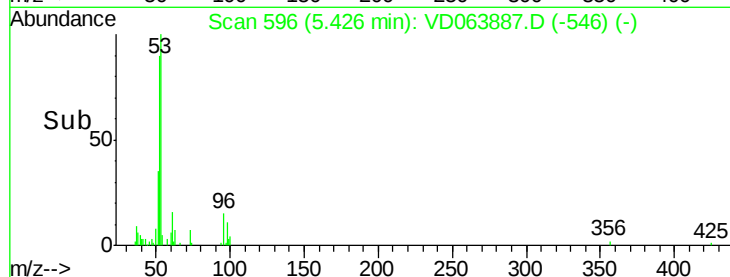
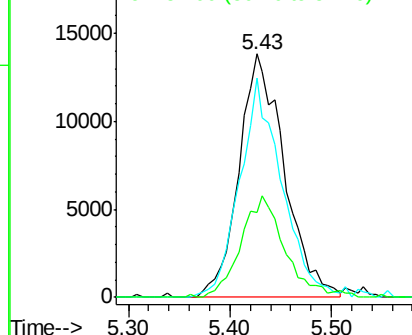
53 100

52 83.6 67.3 100.9

51 39.9 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: 90.614 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063887.D

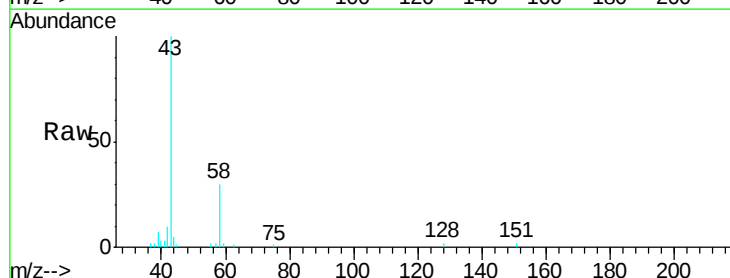
Acq: 04 Oct 2019 15:06

Tgt Ion: 43 Resp: 45462

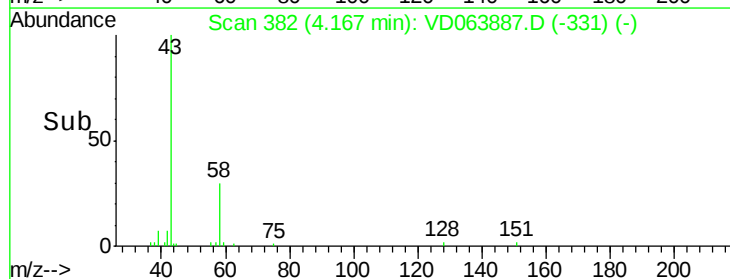
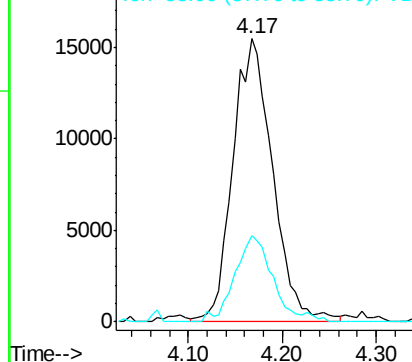
Ion Ratio Lower Upper

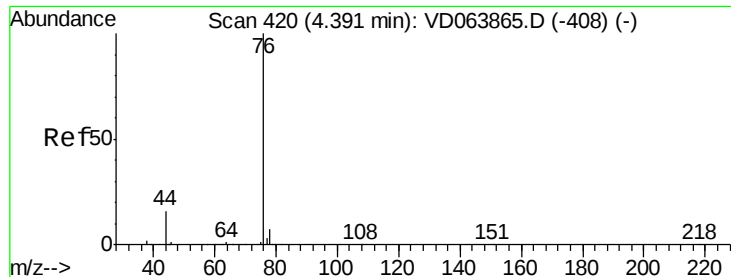
43 100

58 30.7 26.2 39.4



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

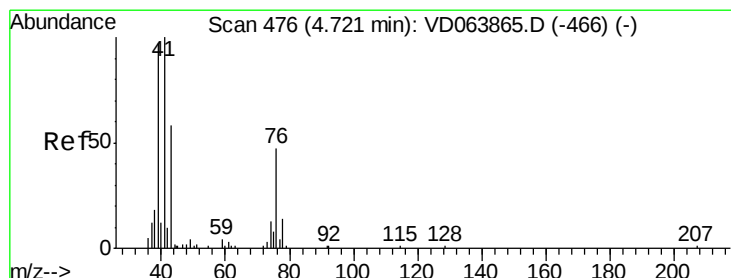
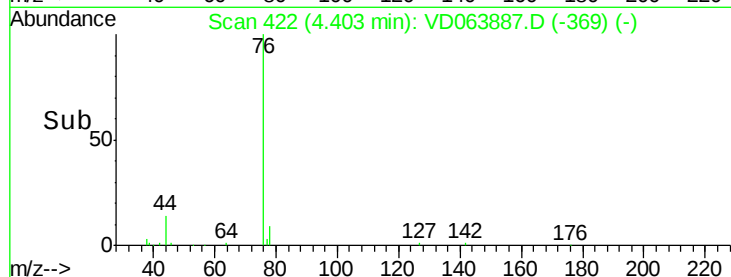
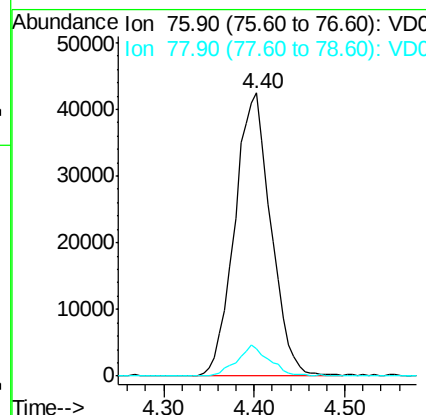
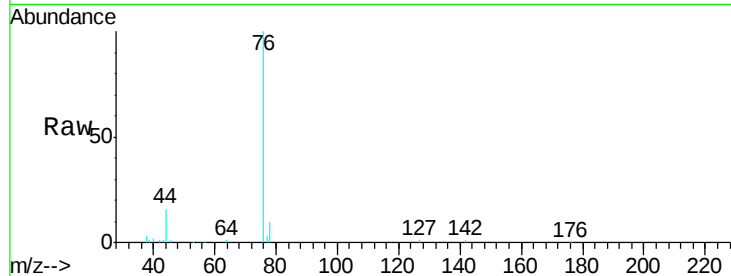




#17
Carbon Disulfide
Concen: 19.541 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

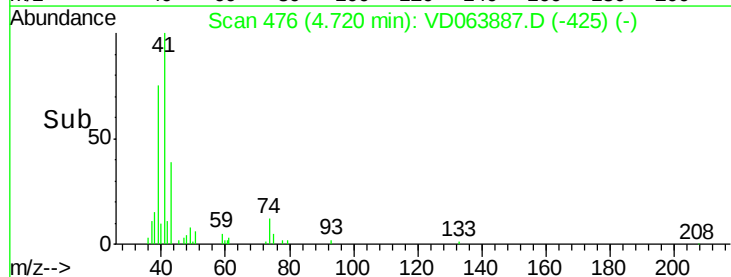
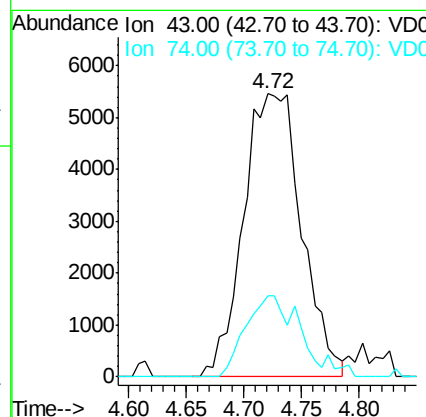
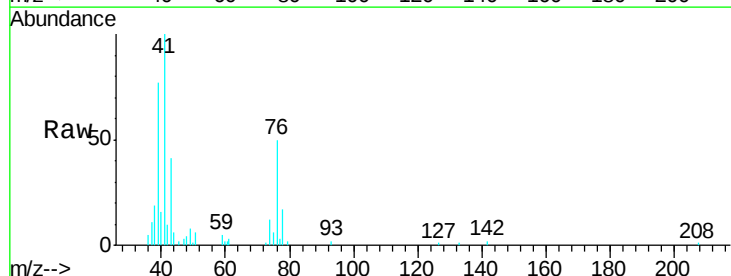
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

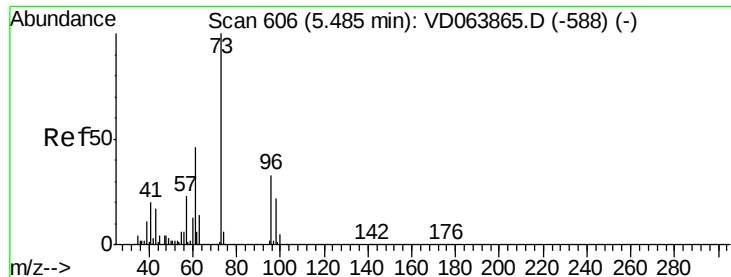
Tgt Ion: 76 Resp: 117834
Ion Ratio Lower Upper
76 100
78 9.7 5.8 8.8#



#18
Methyl Acetate
Concen: 19.503 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

Tgt Ion: 43 Resp: 19138
Ion Ratio Lower Upper
43 100
74 25.4 20.8 31.2



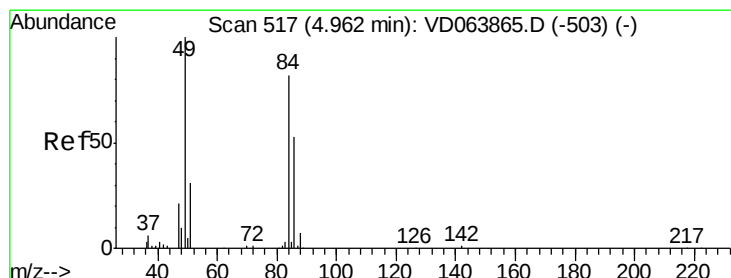
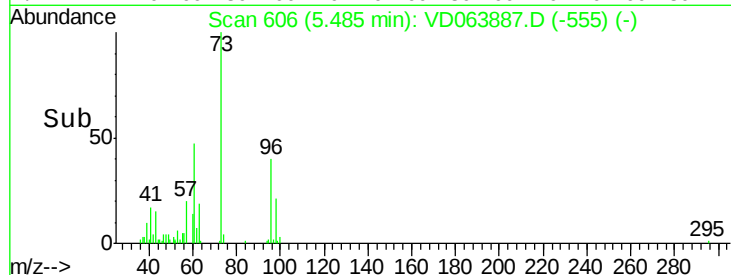
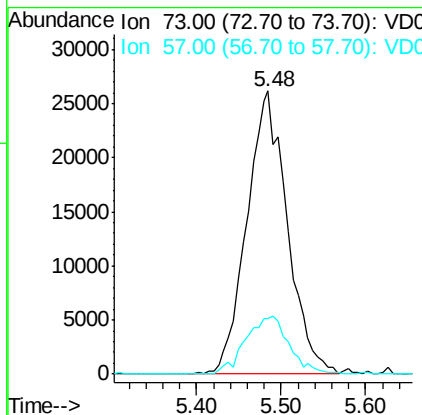
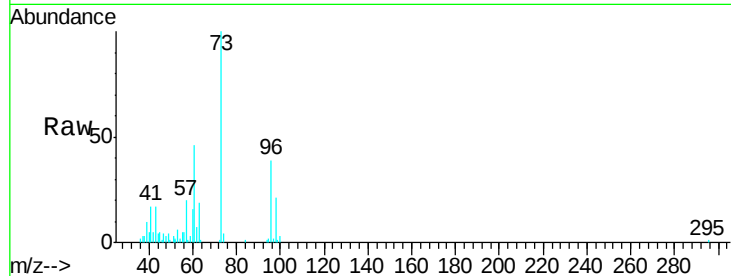


#19

Methyl tert-butyl Ether
 Concen: 20.242 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

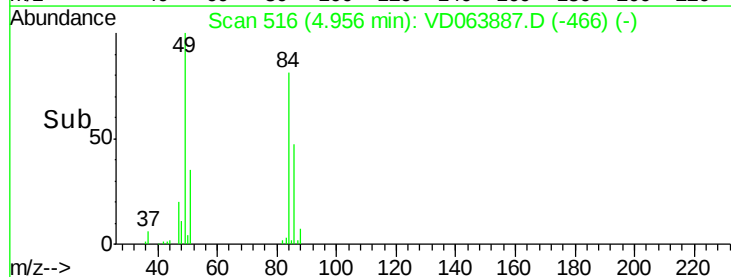
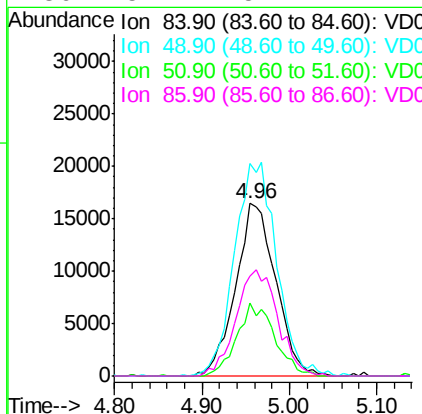
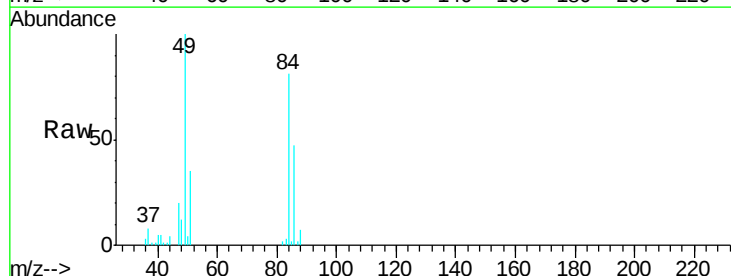
Tgt Ion: 73 Resp: 86953
 Ion Ratio Lower Upper
 73 100
 57 19.8 18.1 27.1

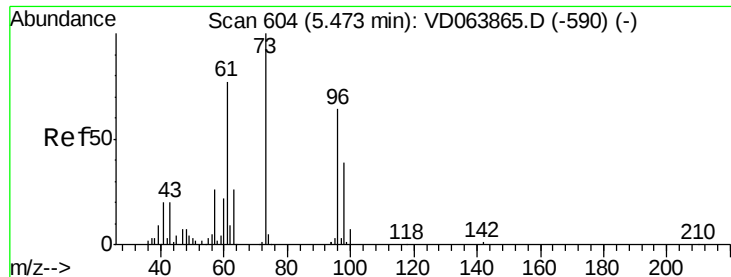


#20

Methylene Chloride
 Concen: 19.919 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

Tgt Ion: 84 Resp: 51291
 Ion Ratio Lower Upper
 84 100
 49 123.2 97.3 145.9
 51 42.7 30.1 45.1
 86 57.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.015 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBSD01

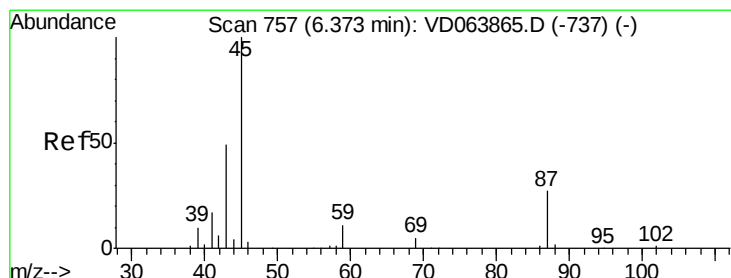
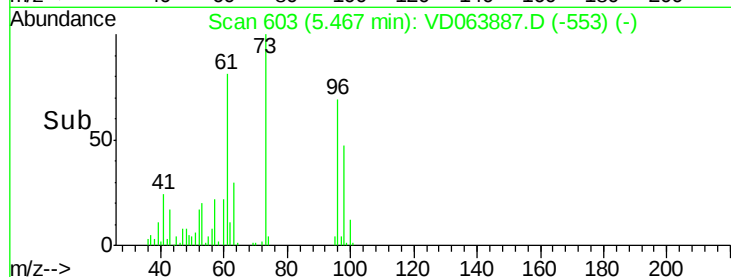
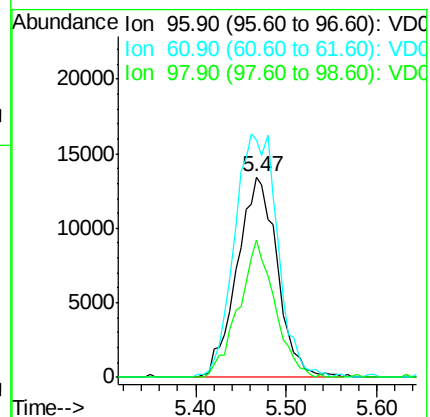
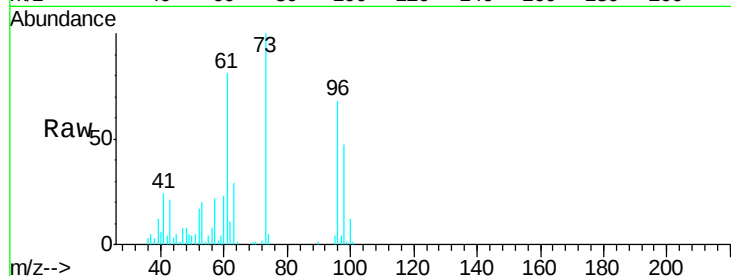
Tgt Ion: 96 Resp: 41333

Ion Ratio Lower Upper

96 100

61 118.2 96.6 145.0

98 68.3 48.7 73.1



#22

Diisopropyl ether

Concen: 20.059 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Tgt Ion: 45 Resp: 112985

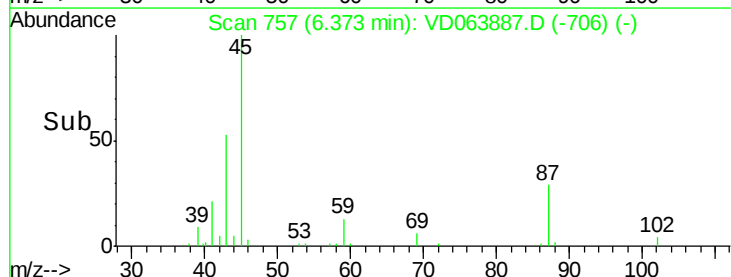
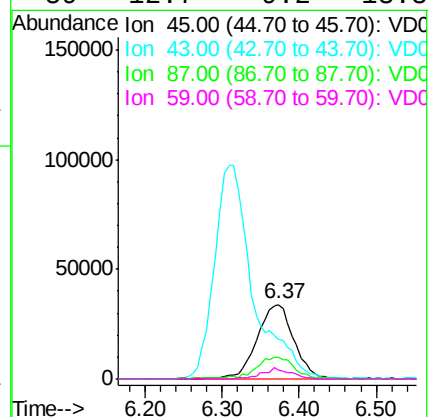
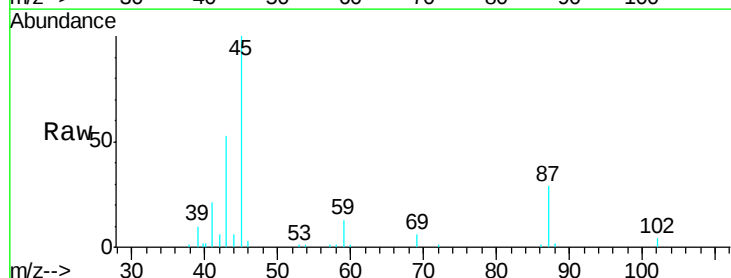
Ion Ratio Lower Upper

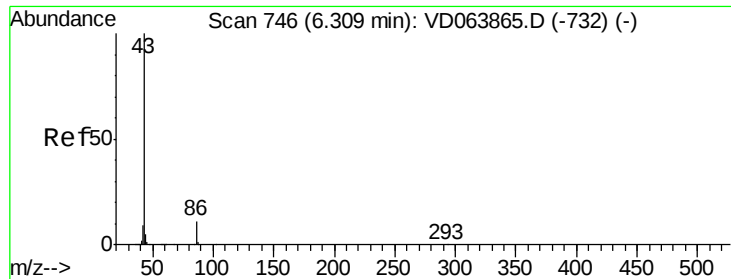
45 100

43 51.5 41.2 61.8

87 29.2 22.2 33.4

59 12.7 9.2 13.8





#23

Vinyl Acetate

Concen: 101.445 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

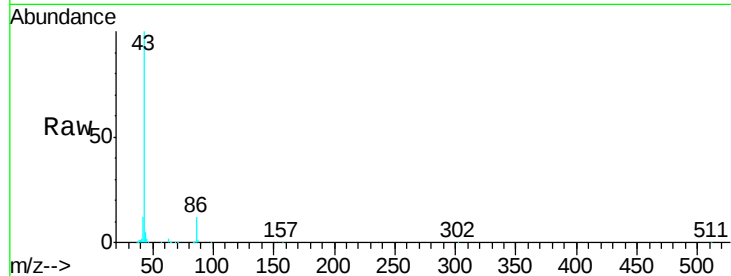
VD1004SBSD01

Tgt Ion: 43 Resp: 339919

Ion Ratio Lower Upper

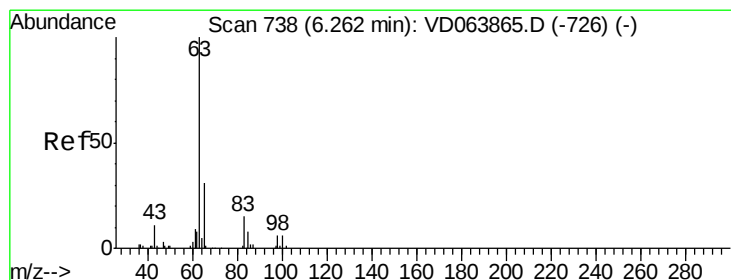
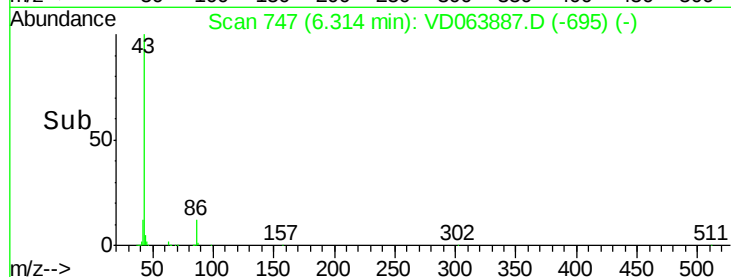
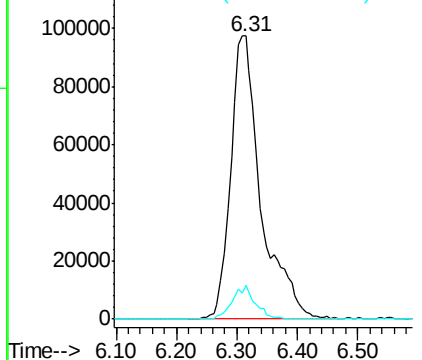
43 100

86 12.0 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: 20.495 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

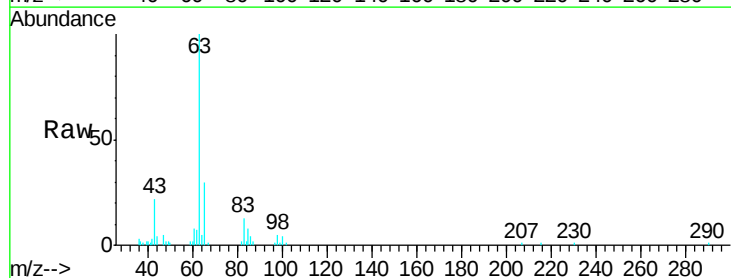
Tgt Ion: 63 Resp: 71108

Ion Ratio Lower Upper

63 100

98 5.3 3.1 9.4

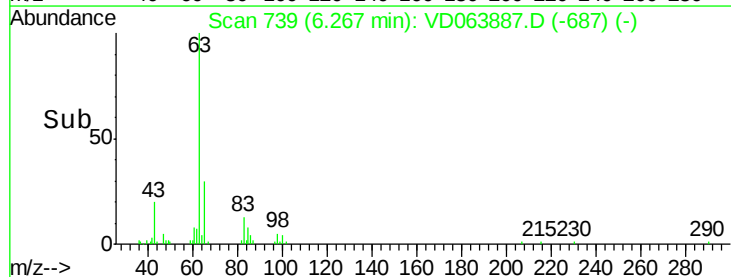
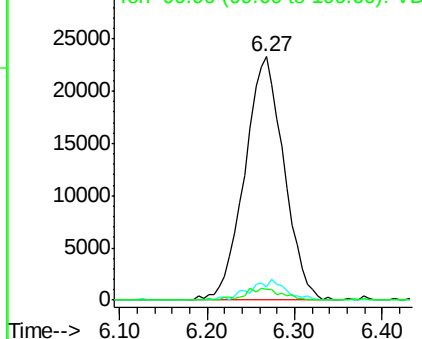
100 4.2 3.0 9.2

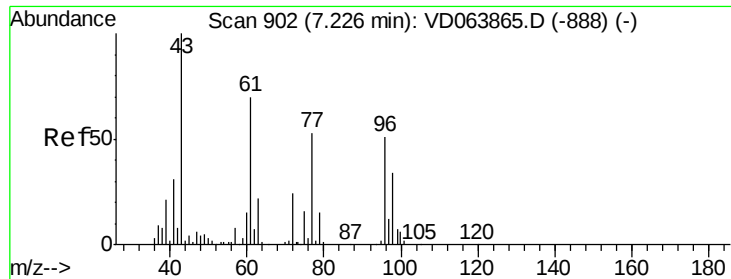


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 97.026 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

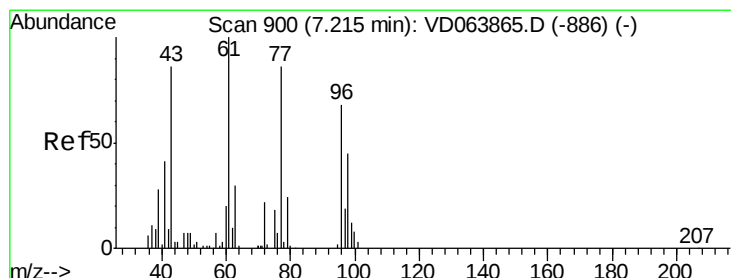
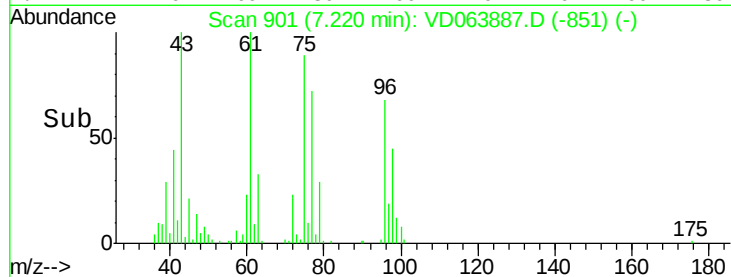
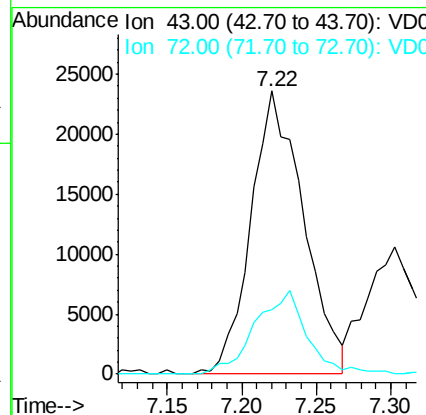
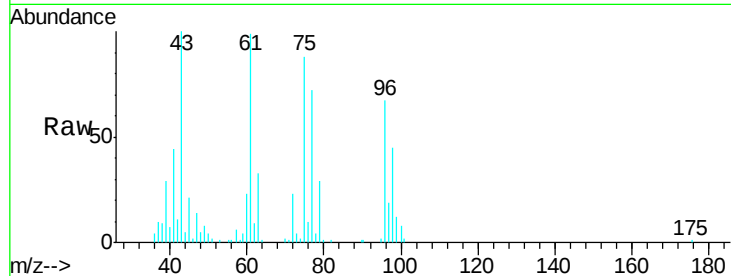
VD1004SBS01

Tgt Ion: 43 Resp: 57690

Ion Ratio Lower Upper

43 100

72 22.7 19.2 28.8



#26

2,2-Dichloropropane

Concen: 19.733 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063887.D

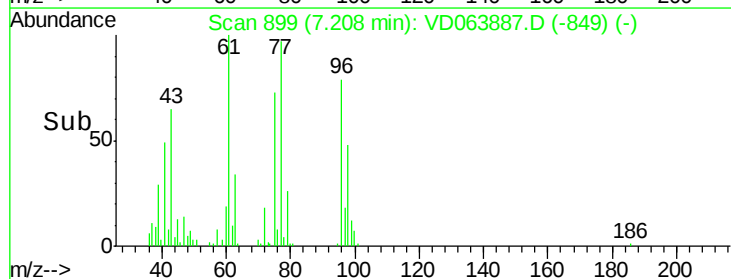
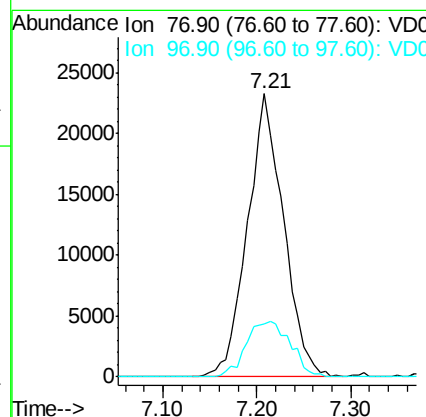
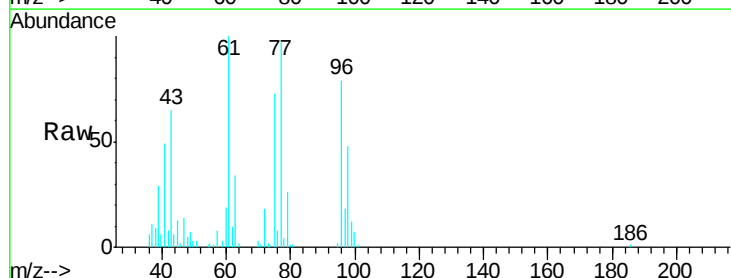
Acq: 04 Oct 2019 15:06

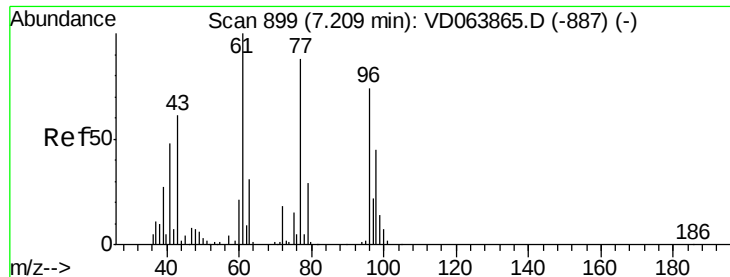
Tgt Ion: 77 Resp: 61930

Ion Ratio Lower Upper

77 100

97 24.1 11.4 34.1



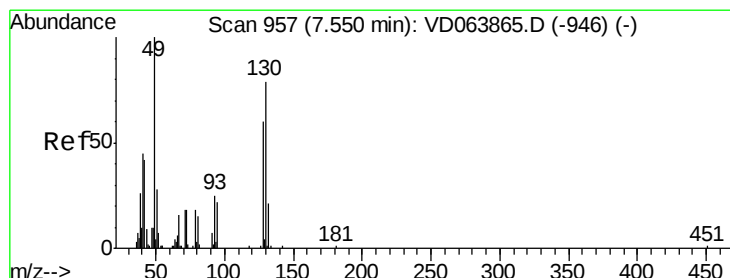
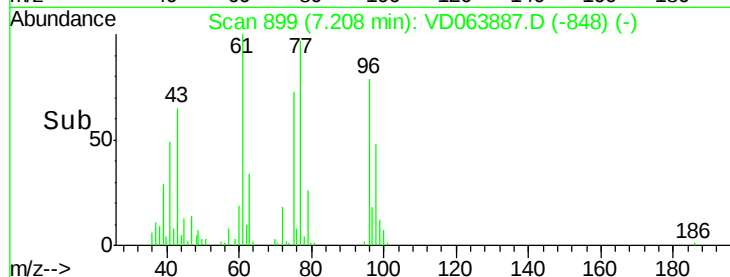
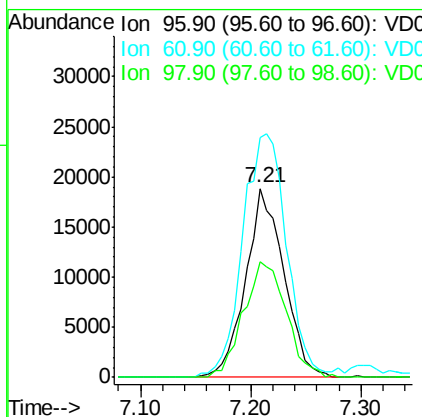
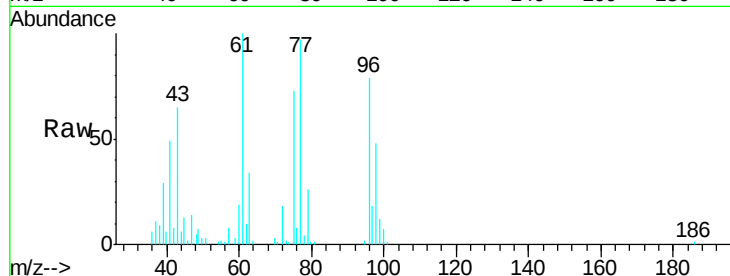


#27

cis-1,2-Dichloroethene
 Concen: 19.608 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBSD01

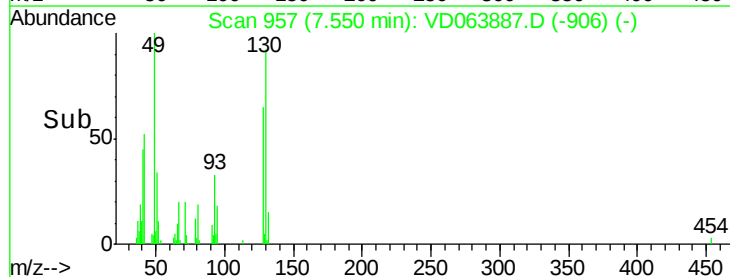
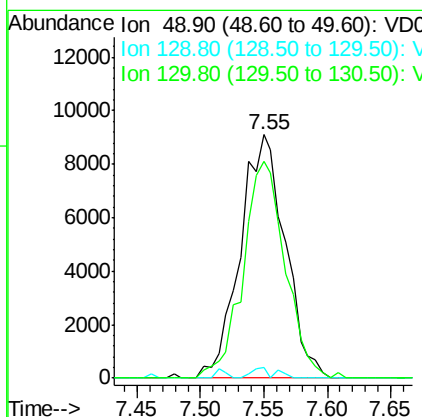
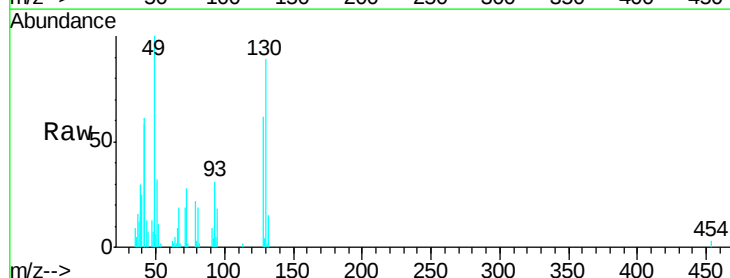
Tgt Ion: 96 Resp: 45832
 Ion Ratio Lower Upper
 96 100
 61 147.7 0.0 280.0
 98 68.2 0.0 130.4

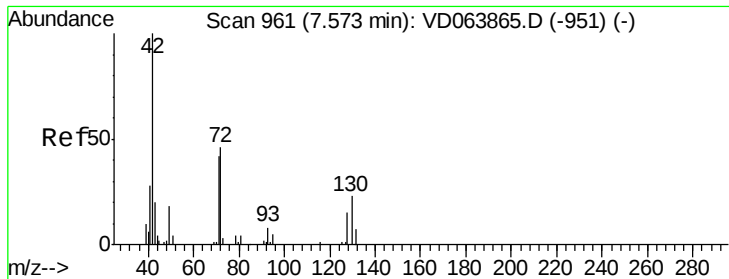


#28

Bromochloromethane
 Concen: 17.197 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

Tgt Ion: 49 Resp: 22355
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 5.6
 130 83.9 66.8 100.2

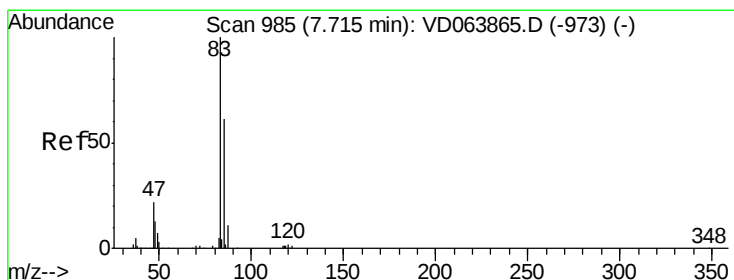
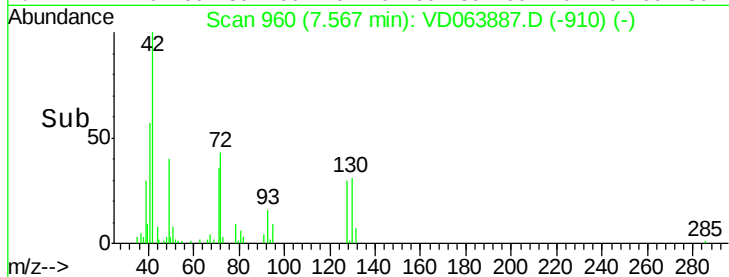
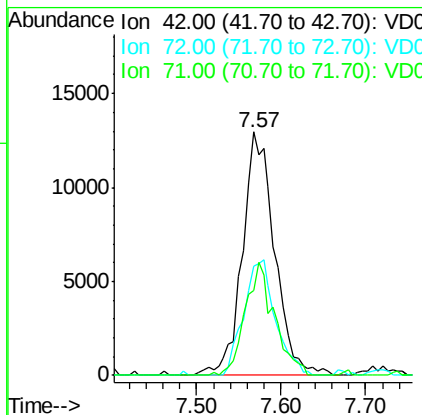
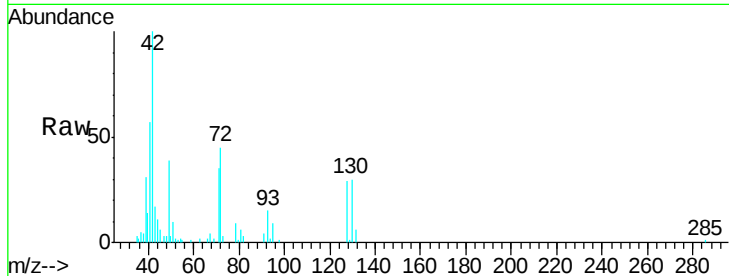




#29
Tetrahydrofuran
Concen: 98.889 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

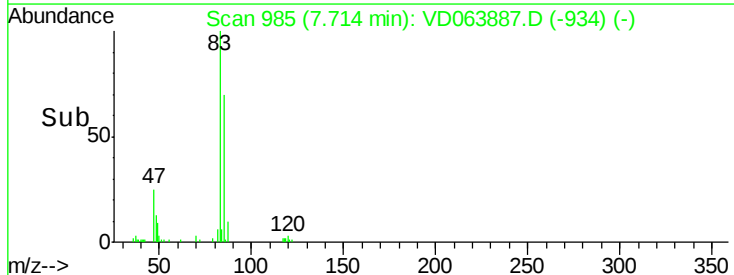
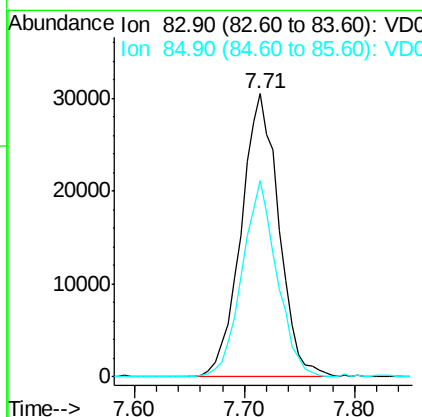
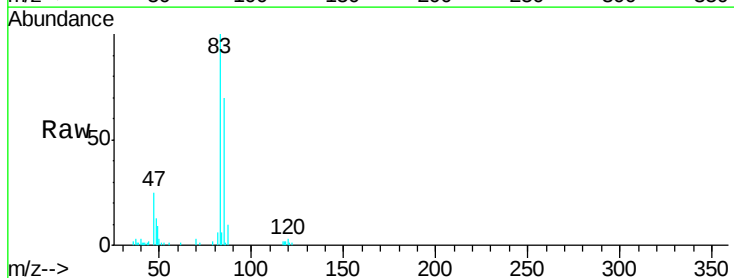
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

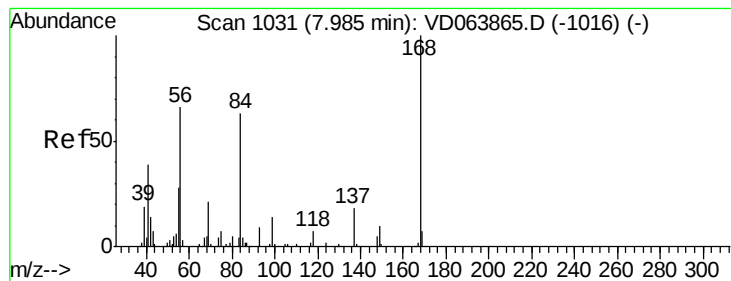
Tgt Ion: 42 Resp: 34319
Ion Ratio Lower Upper
42 100
72 46.8 37.6 56.4
71 42.2 35.0 52.6



#30
Chloroform
Concen: 19.430 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

Tgt Ion: 83 Resp: 73217
Ion Ratio Lower Upper
83 100
85 69.6 48.9 73.3





#31

Cyclohexane

Concen: 19.872 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBSD01

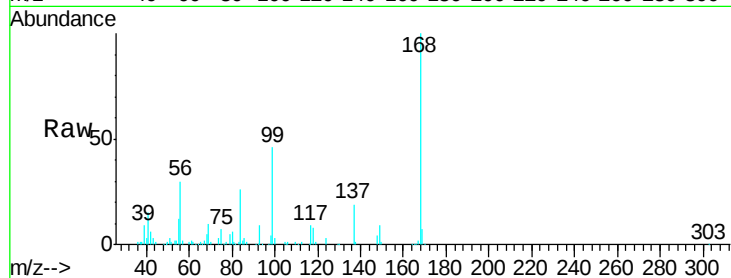
Tgt Ion: 56 Resp: 64647

Ion Ratio Lower Upper

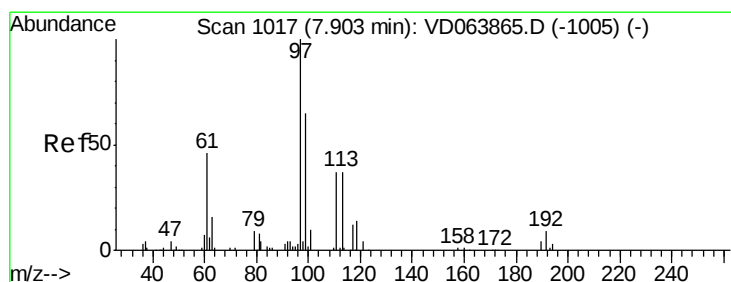
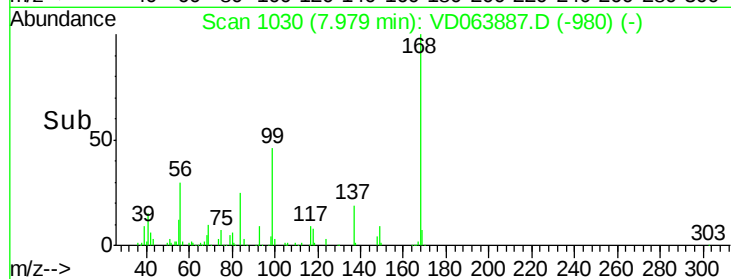
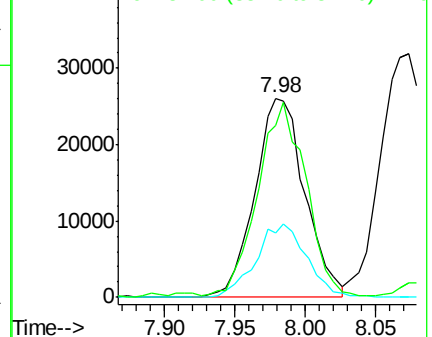
56 100

69 32.3 25.0 37.4

84 84.6 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: 20.403 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

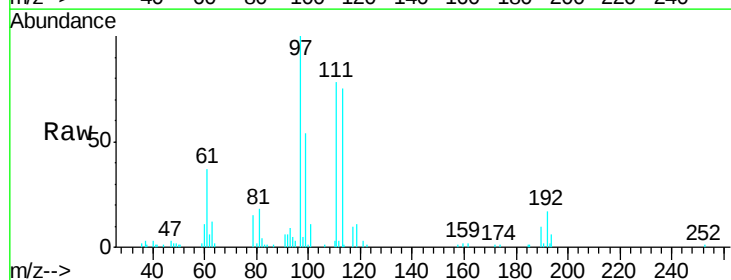
Tgt Ion: 97 Resp: 65950

Ion Ratio Lower Upper

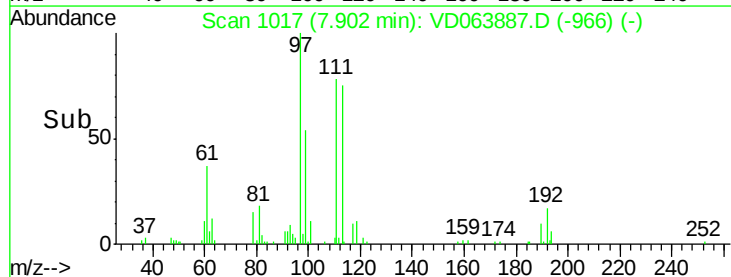
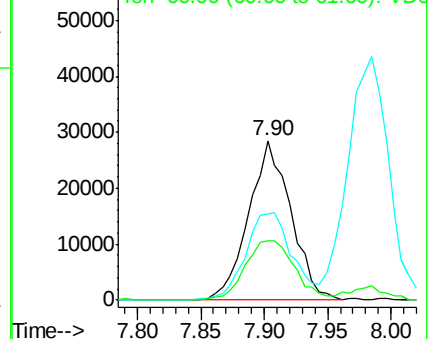
97 100

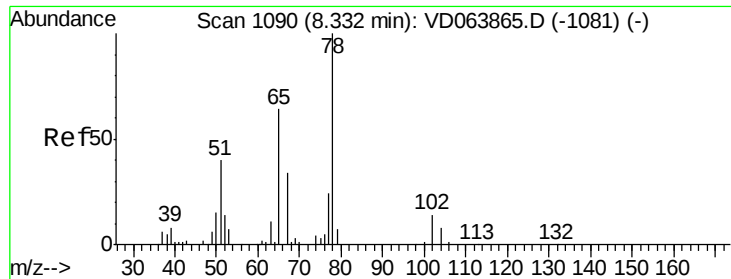
99 60.9 52.4 78.6

61 43.4 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: 48.803 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

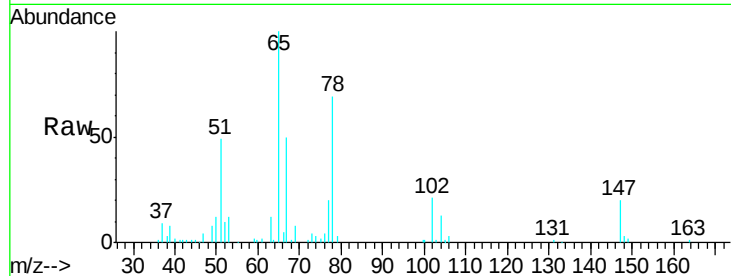
VD1004SBSD01

Tgt Ion: 65 Resp: 94046

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.4

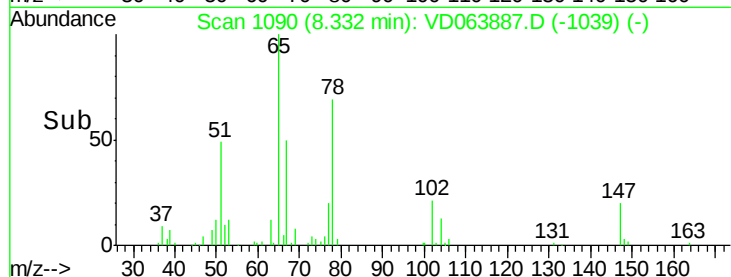


Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

Time-->



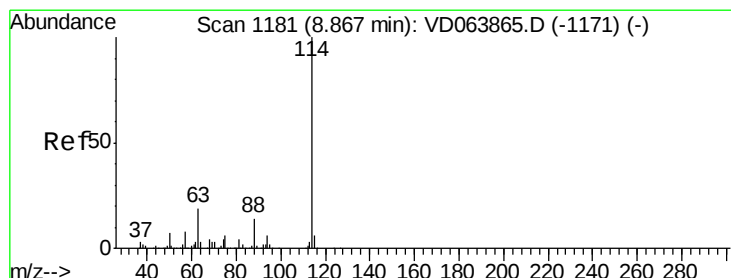
Abundance

Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

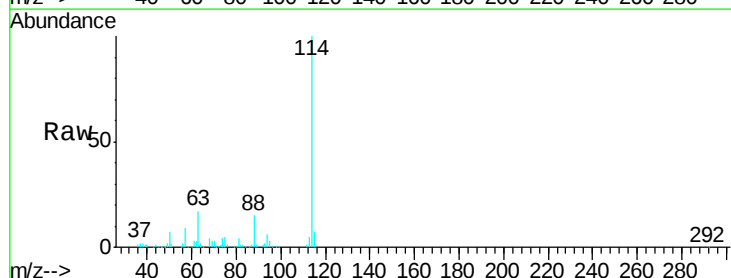
Tgt Ion: 114 Resp: 311203

Ion Ratio Lower Upper

114 100

63 17.3 0.0 38.4

88 14.8 0.0 27.4



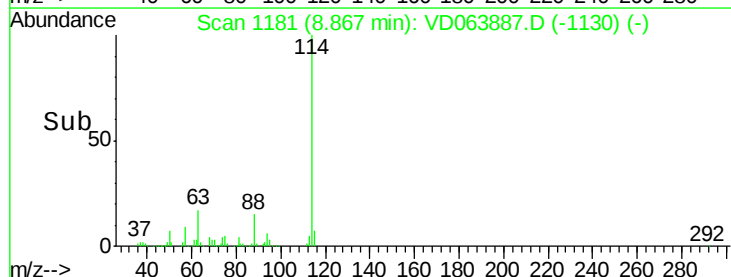
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

Time-->



Abundance

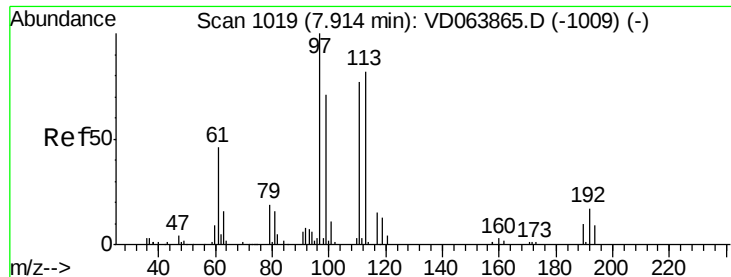
Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

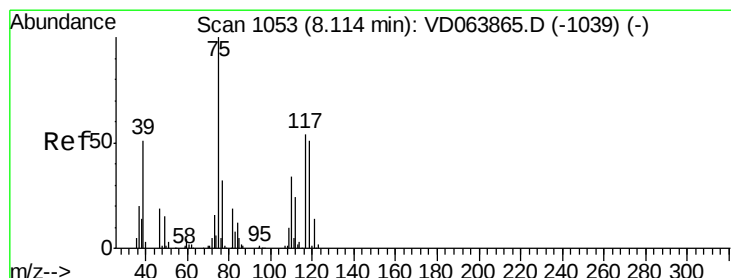
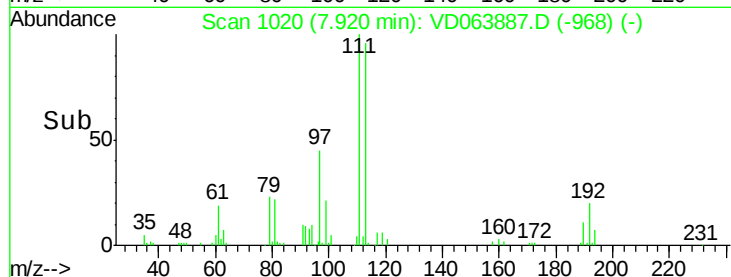
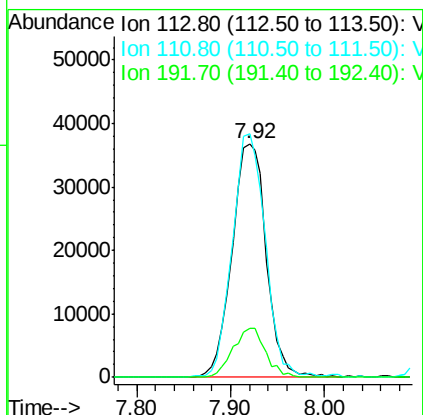
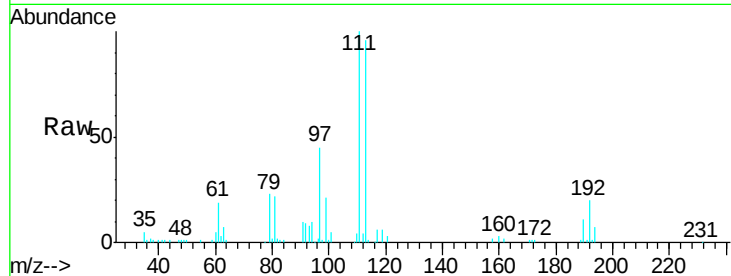
Time-->



#35
Dibromofluoromethane
Concen: 48.830 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

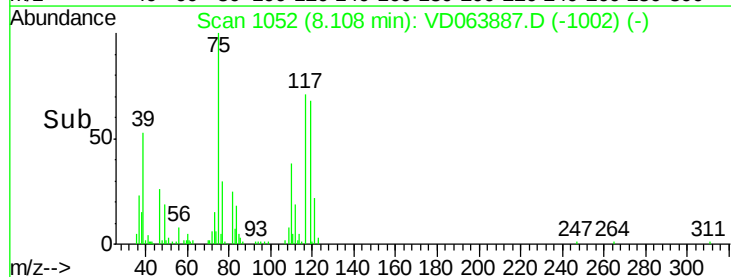
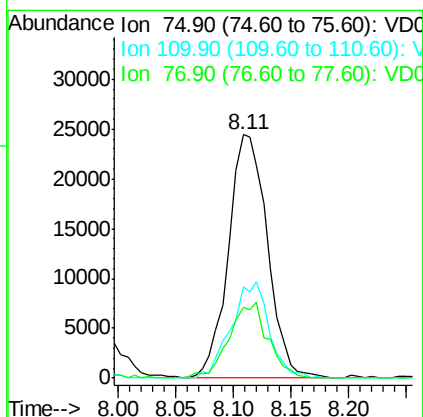
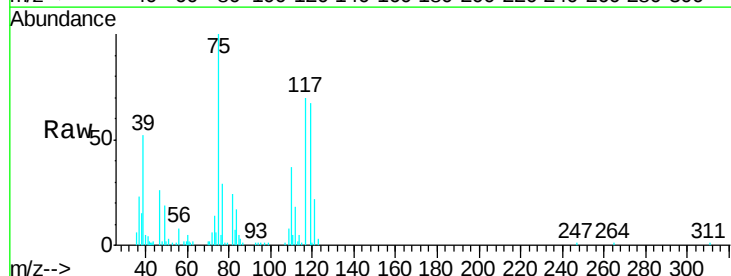
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

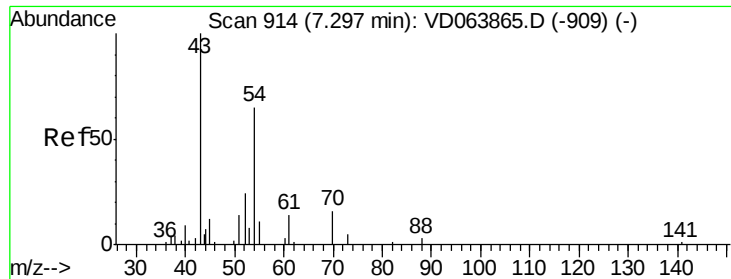
Tgt Ion:113 Resp: 92868
Ion Ratio Lower Upper
113 100
111 100.2 82.6 123.8
192 20.0 17.1 25.7



#36
1,1-Dichloropropene
Concen: 20.108 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

Tgt Ion: 75 Resp: 57215
Ion Ratio Lower Upper
75 100
110 38.5 17.4 52.3
77 30.7 25.4 38.0

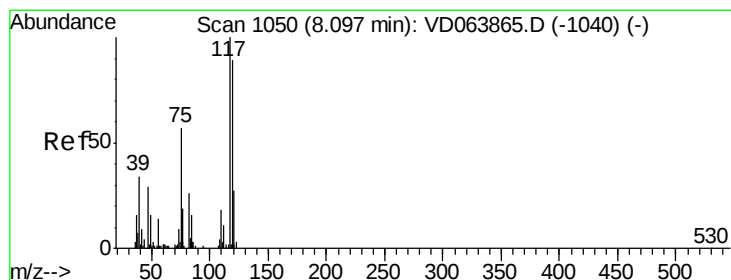
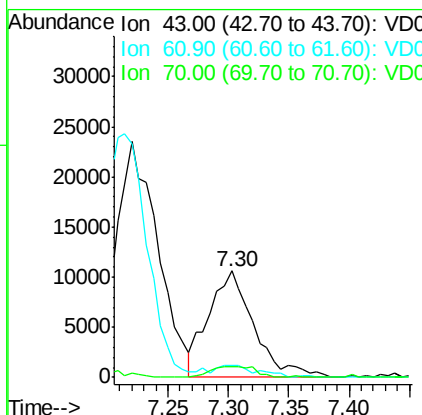
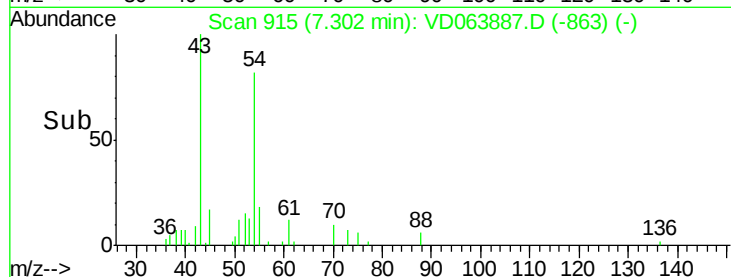
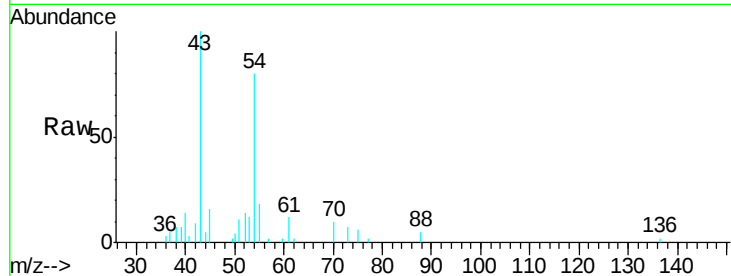




#37
Ethyl Acetate
Concen: 21.371 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

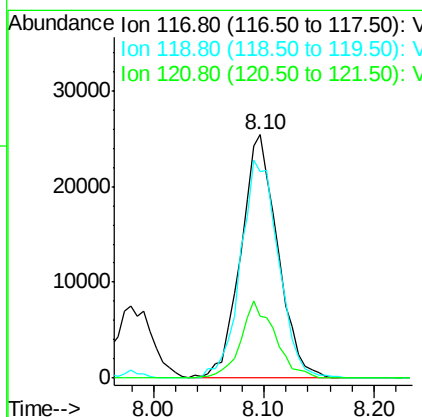
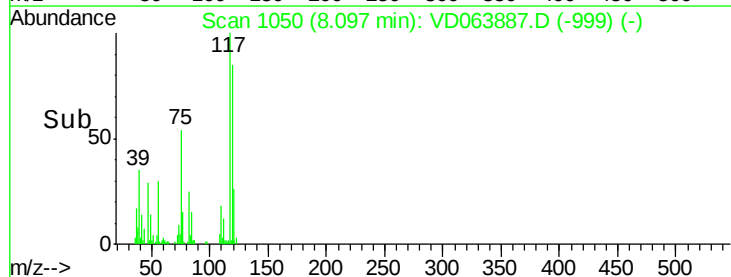
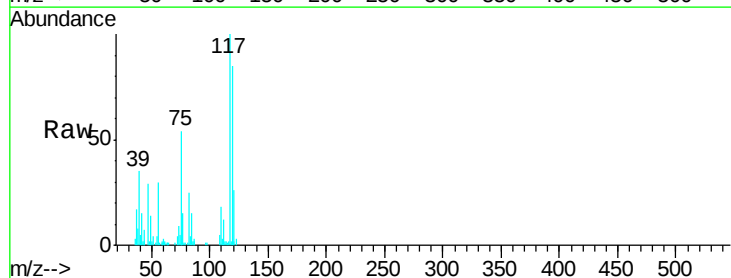
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

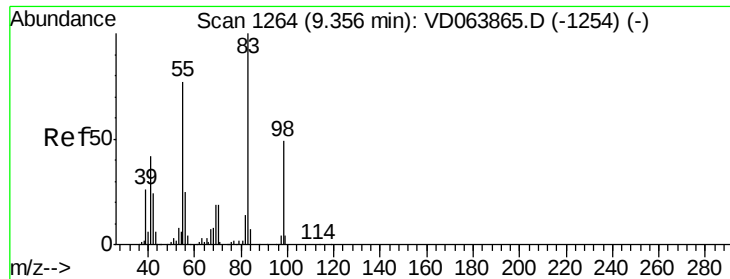
Tgt Ion: 43 Resp: 27596
Ion Ratio Lower Upper
43 100
61 11.9 11.5 17.3
70 10.0 8.2 12.4



#38
Carbon Tetrachloride
Concen: 20.696 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

Tgt Ion: 117 Resp: 59508
Ion Ratio Lower Upper
117 100
119 84.9 70.8 106.2
121 25.6 21.4 32.0

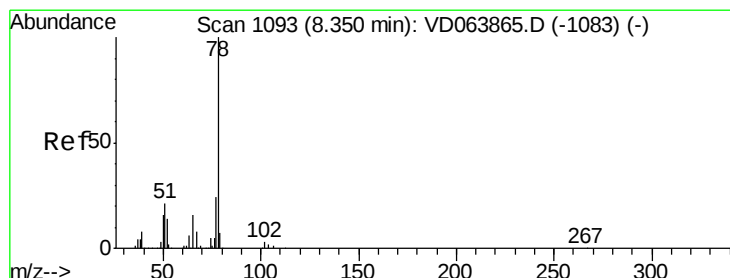
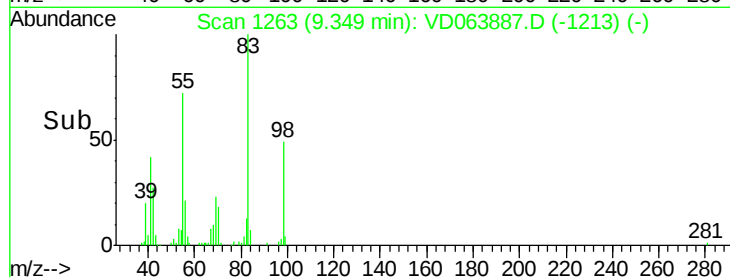
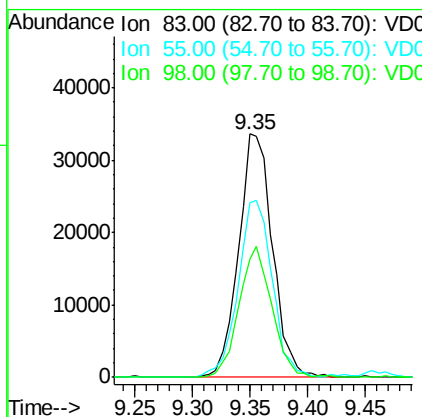
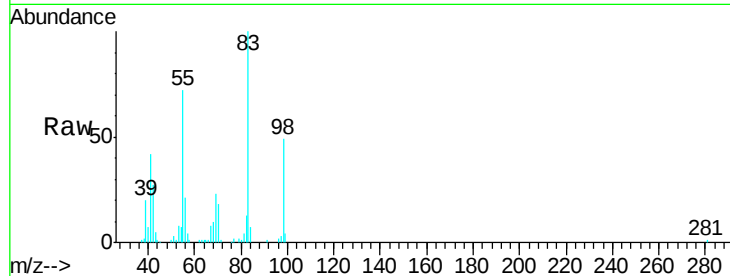




#39
Methylcyclohexane
Concen: 19.602 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

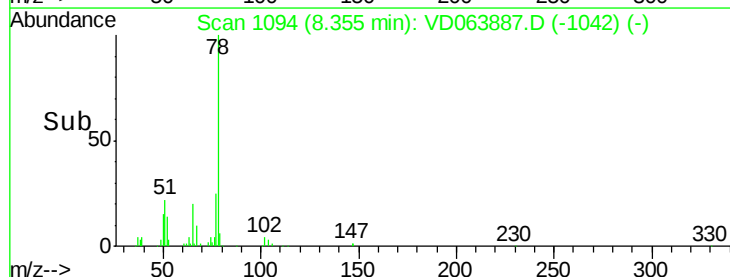
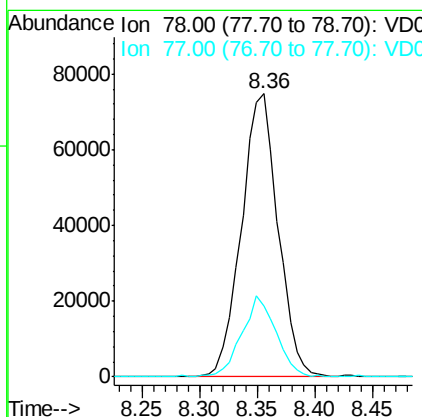
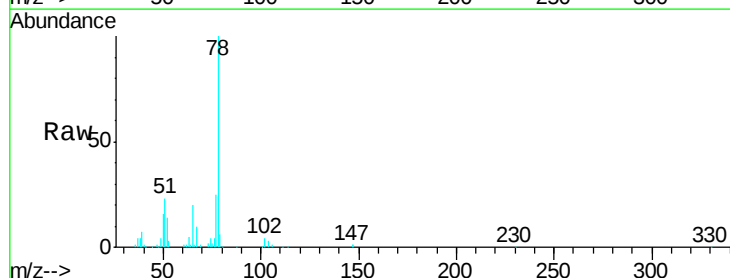
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

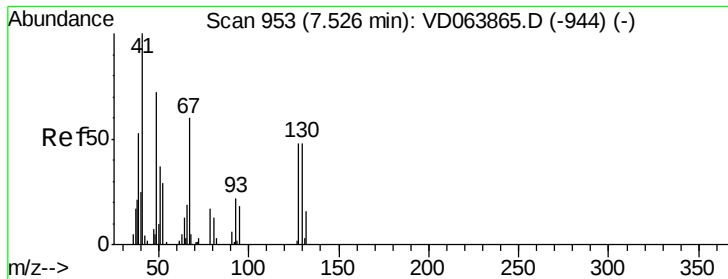
Tgt Ion: 83 Resp: 68579
Ion Ratio Lower Upper
83 100
55 71.7 61.3 91.9
98 48.8 39.3 58.9



#40
Benzene
Concen: 20.214 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

Tgt Ion: 78 Resp: 164829
Ion Ratio Lower Upper
78 100
77 24.9 19.0 28.6





#41

Methacrylonitrile

Concen: 19.227 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBSD01

Tgt Ion: 41 Resp: 12684

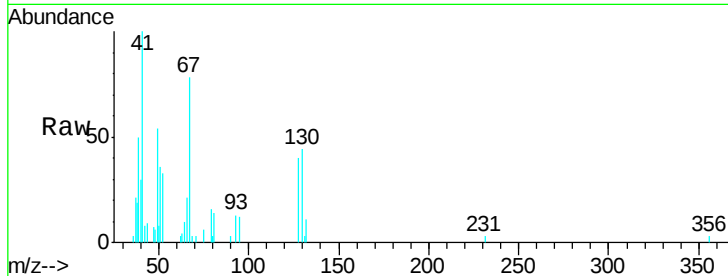
Ion Ratio Lower Upper

41 100

39 69.9 52.6 78.8

67 87.7 74.2 111.2

52 37.1 34.0 51.0

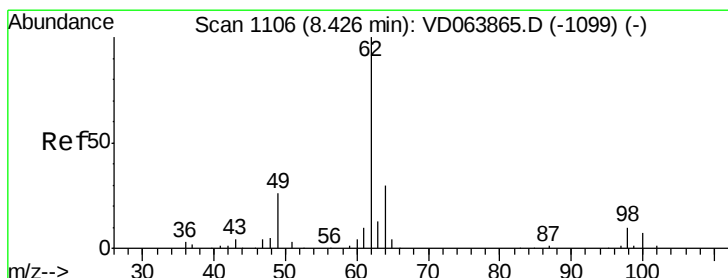
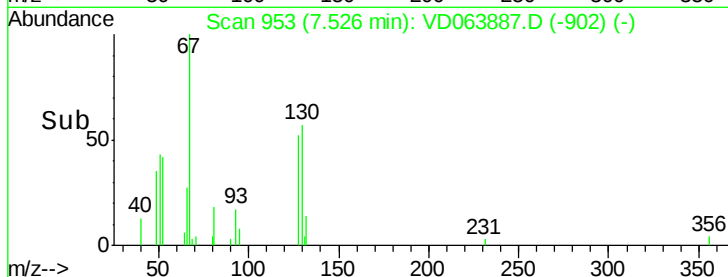
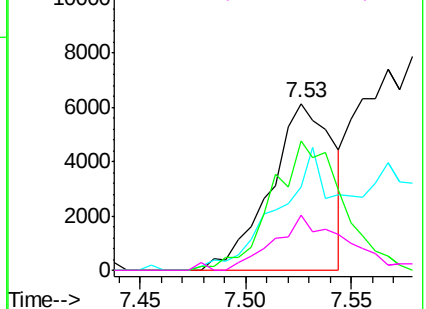


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.342 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD063887.D

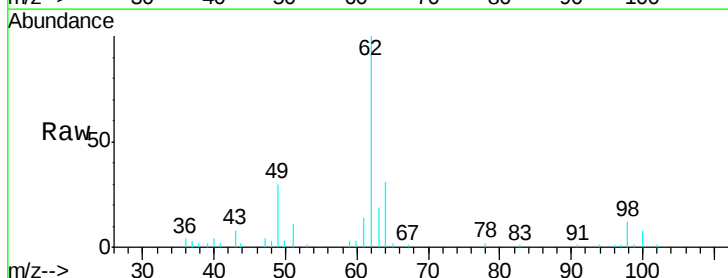
Acq: 04 Oct 2019 15:06

Tgt Ion: 62 Resp: 47981

Ion Ratio Lower Upper

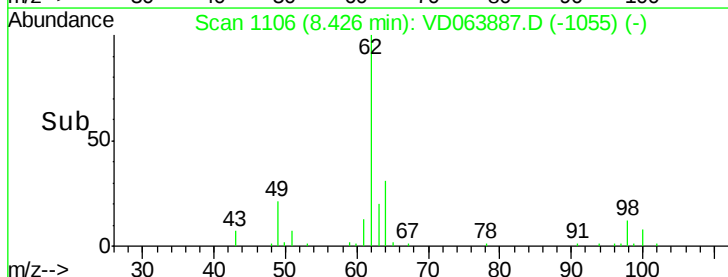
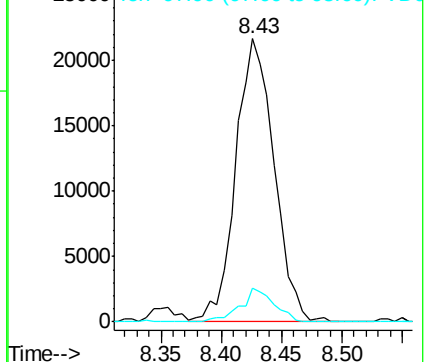
62 100

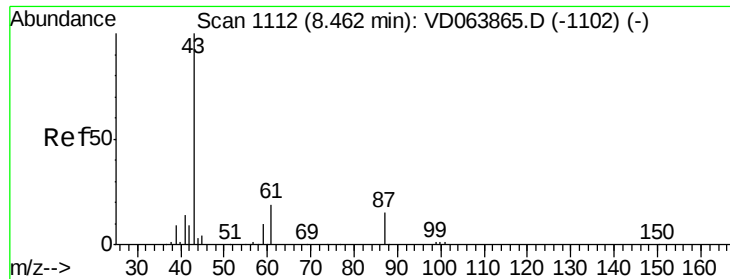
98 10.3 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.404 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBSD01

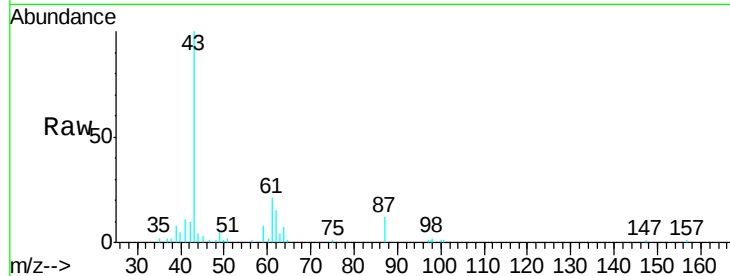
Tgt Ion: 43 Resp: 48689

Ion Ratio Lower Upper

43 100

61 30.2 25.7 38.5

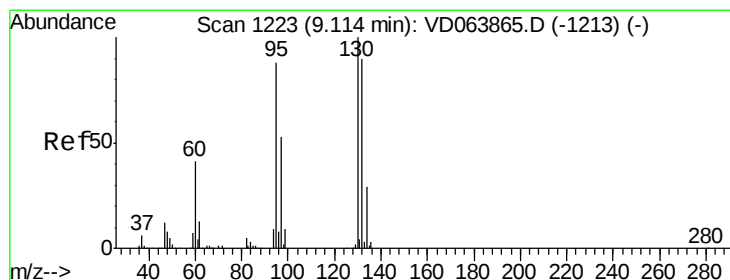
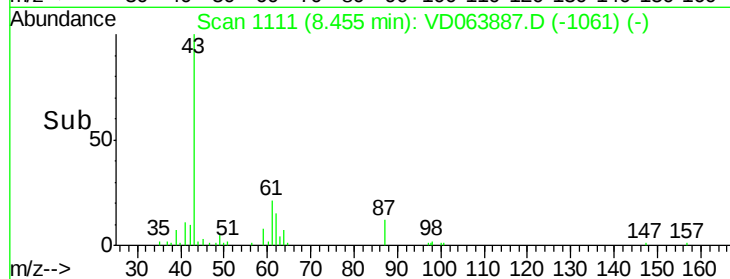
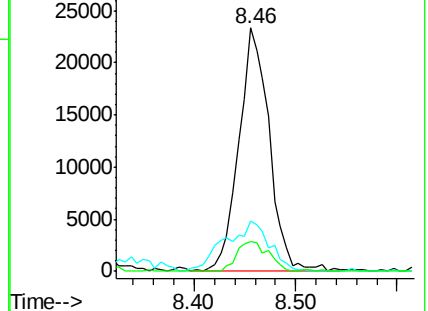
87 12.7 11.6 17.4



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: 19.876 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063887.D

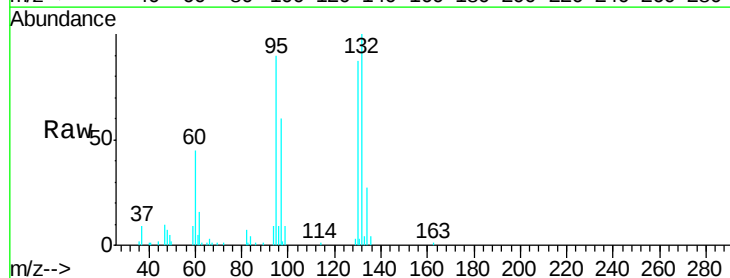
Acq: 04 Oct 2019 15:06

Tgt Ion: 130 Resp: 46734

Ion Ratio Lower Upper

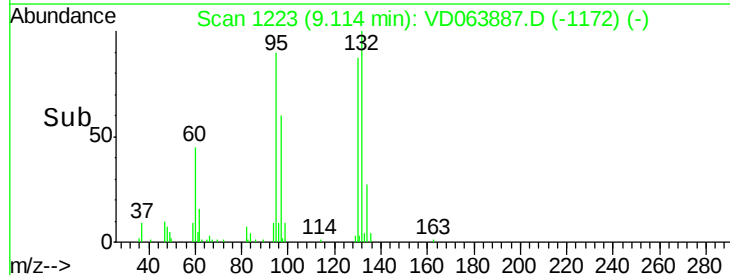
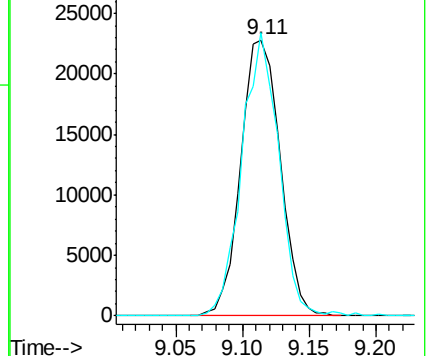
130 100

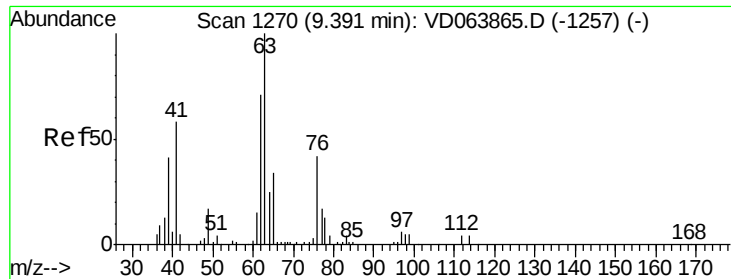
95 102.7 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.452 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

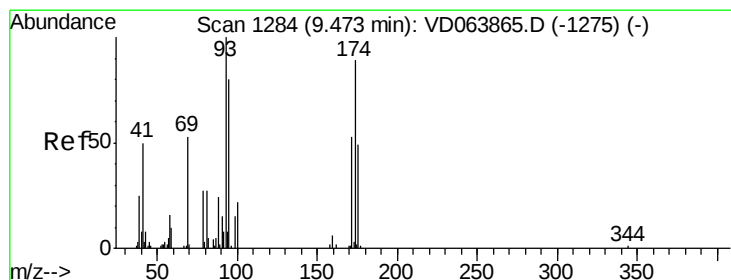
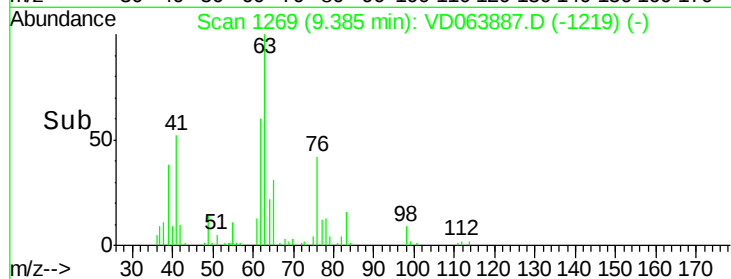
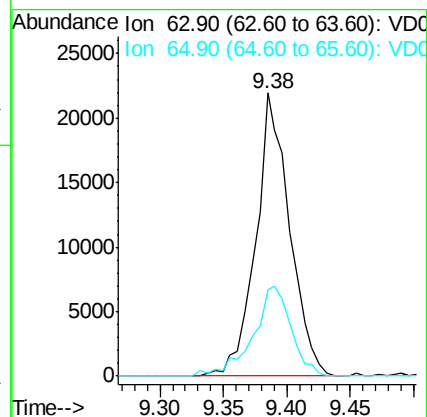
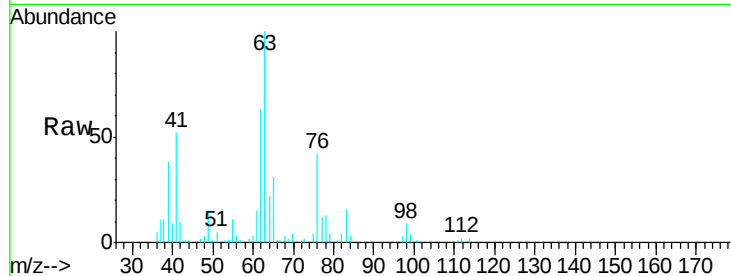
VD1004SBSD01

Tgt Ion: 63 Resp: 40818

Ion Ratio Lower Upper

63 100

65 30.6 27.3 40.9



#46

Dibromomethane

Concen: 20.084 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

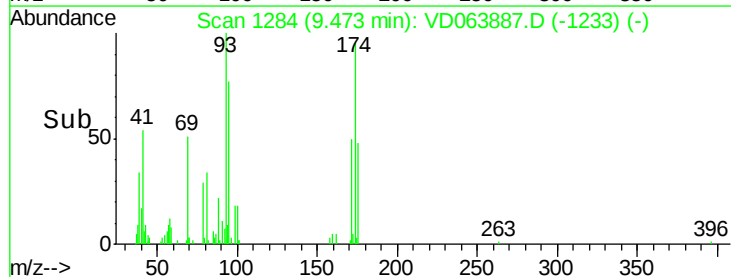
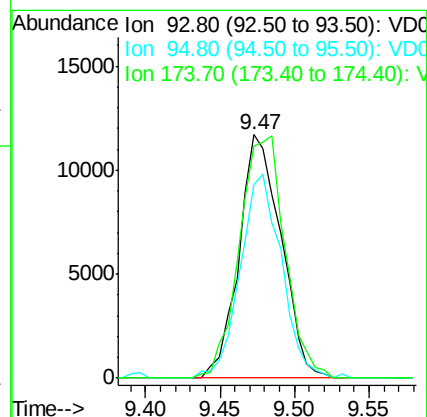
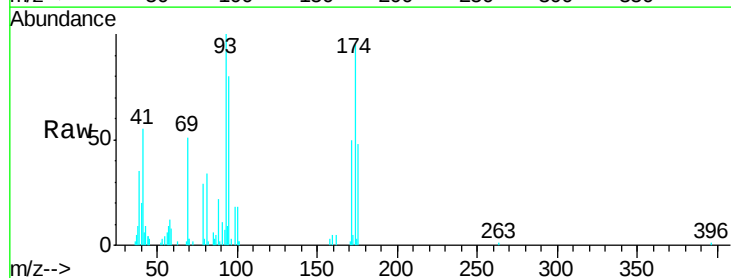
Tgt Ion: 93 Resp: 22828

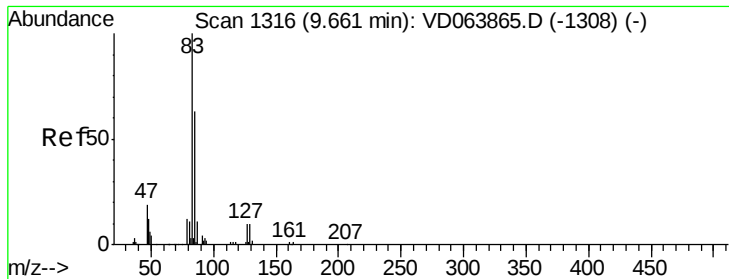
Ion Ratio Lower Upper

93 100

95 82.7 66.0 99.0

174 107.8 83.4 125.0





#47

Bromodichloromethane

Concen: 19.822 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBSD01

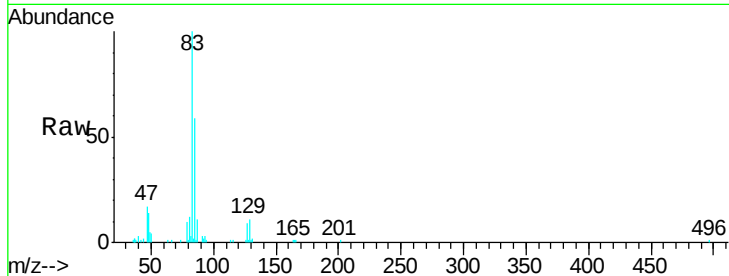
Tgt Ion: 83 Resp: 58008

Ion Ratio Lower Upper

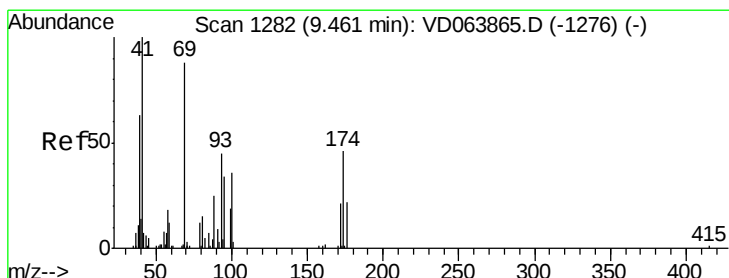
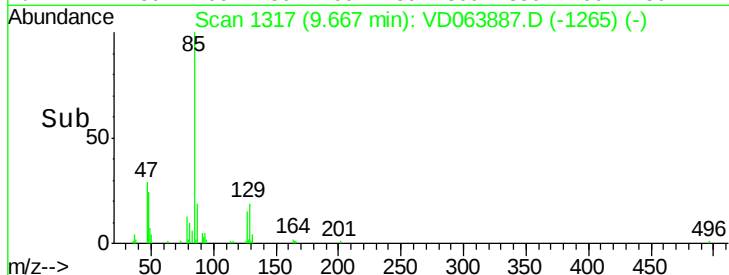
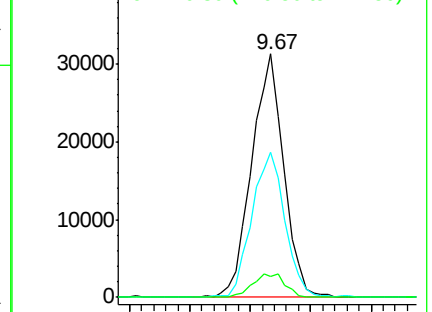
83 100

85 59.4 50.2 75.2

127 8.7 7.6 11.4



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



#48

Methyl methacrylate

Concen: 20.586 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

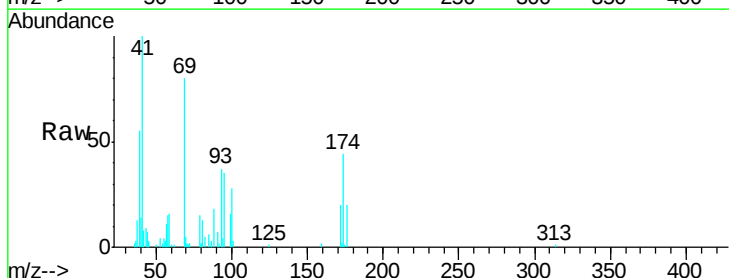
Tgt Ion: 41 Resp: 23537

Ion Ratio Lower Upper

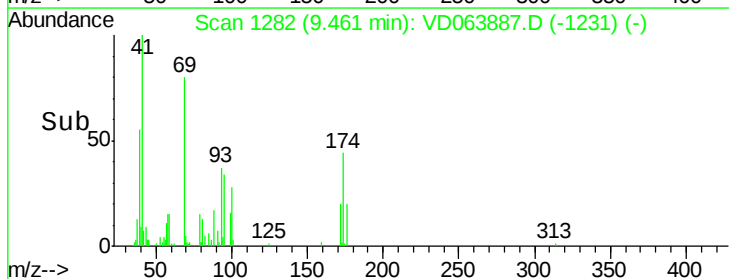
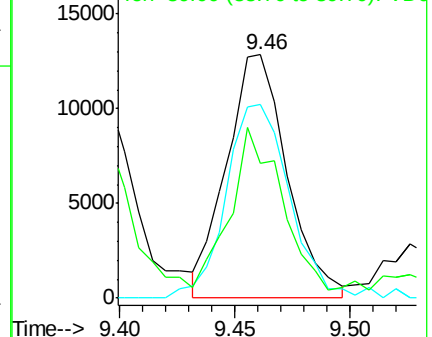
41 100

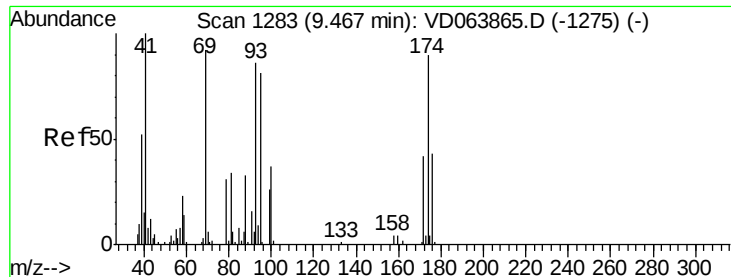
69 82.5 75.1 112.7

39 63.0 50.2 75.2



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

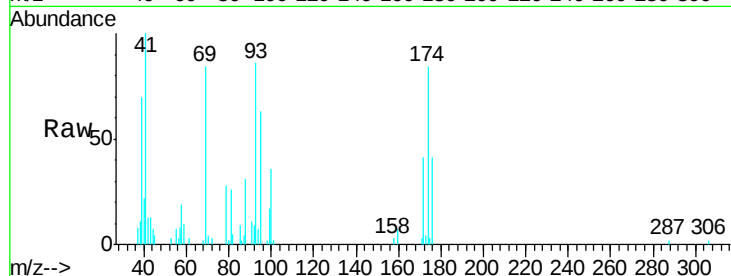




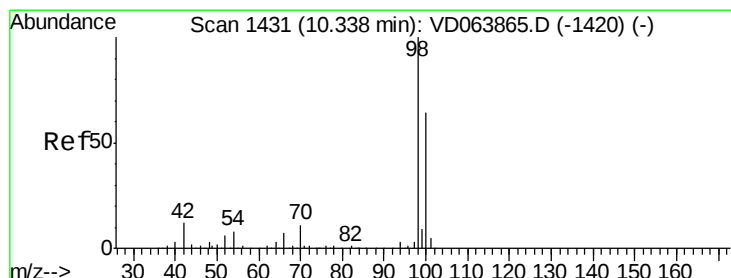
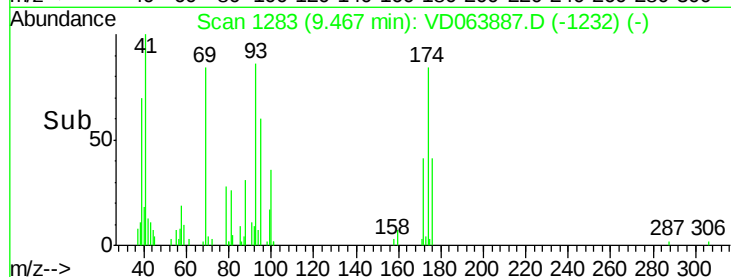
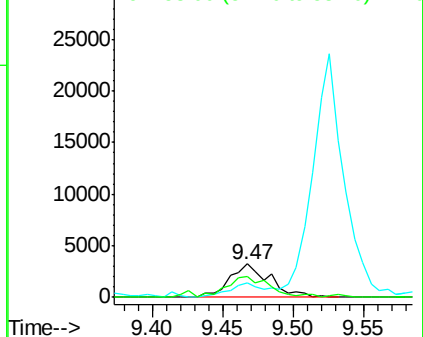
#49
1,4-Dioxane
Concen: 415.784 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

Tgt Ion: 88 Resp: 6451
Ion Ratio Lower Upper
88 100
43 33.1 27.6 41.4
58 67.7 54.1 81.1

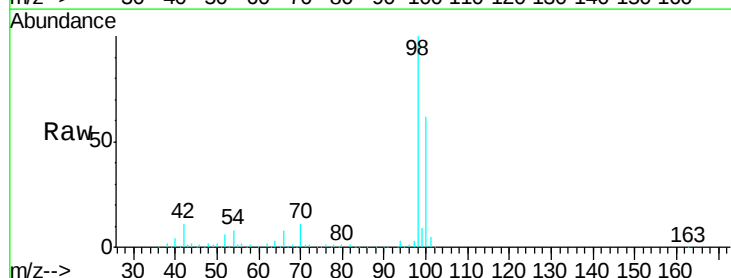


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

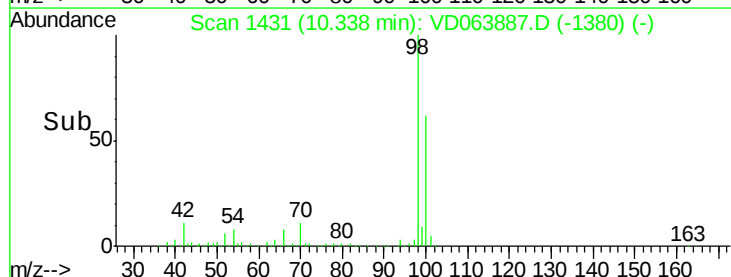
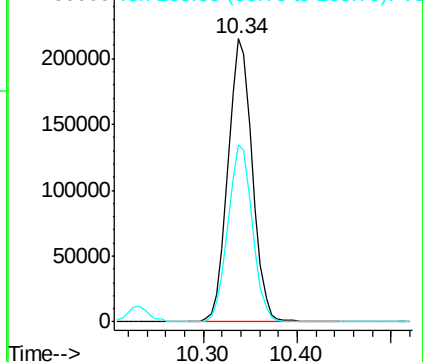


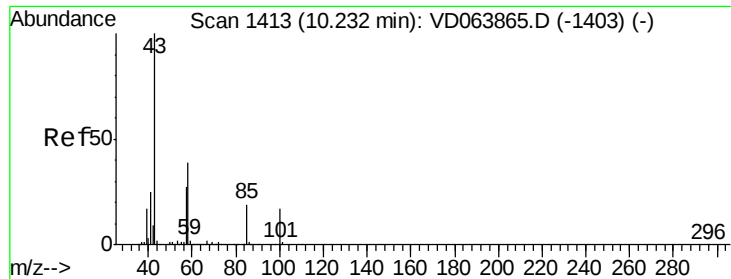
#50
Toluene-d8
Concen: 50.127 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

Tgt Ion: 98 Resp: 386945
Ion Ratio Lower Upper
98 100
100 62.9 52.1 78.1



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

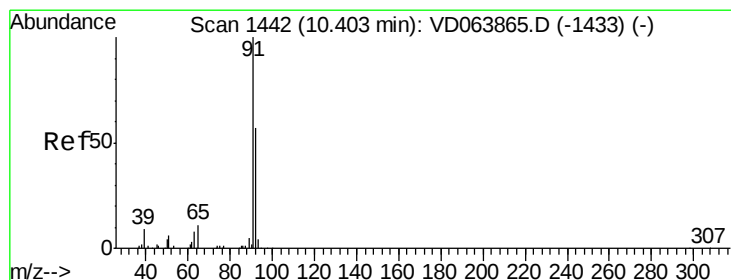
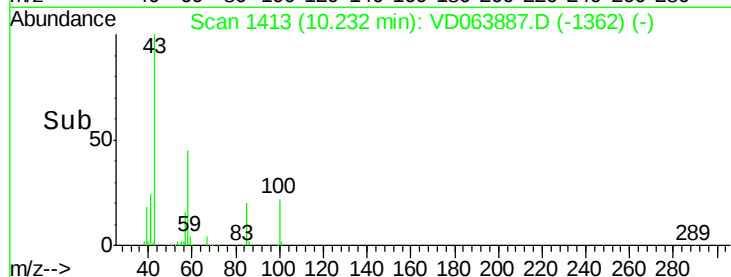
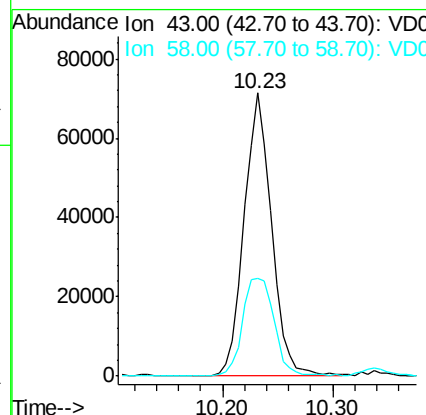
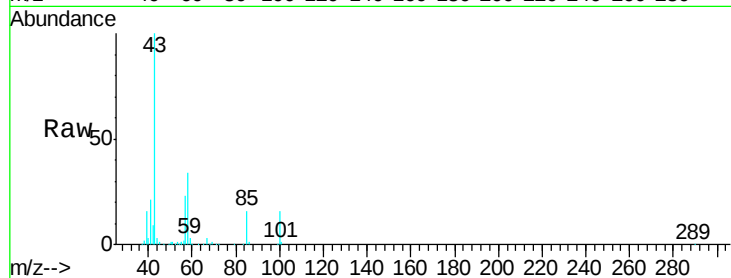




#51
 4-Methyl-2-Pentanone
 Concen: 101.558 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

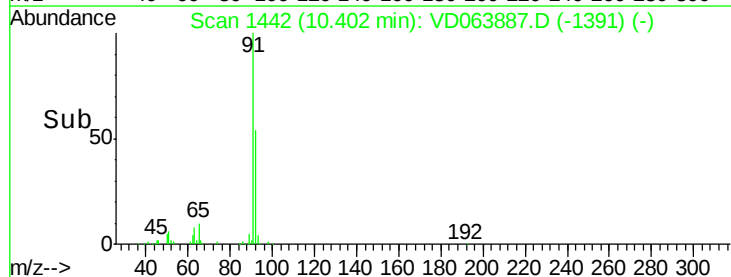
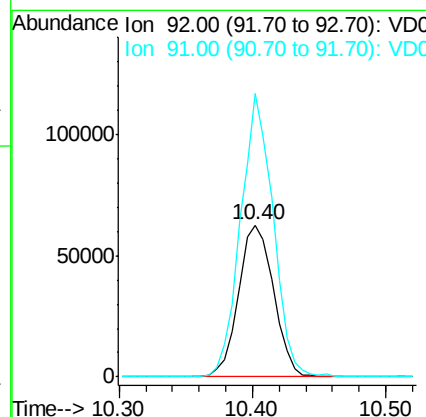
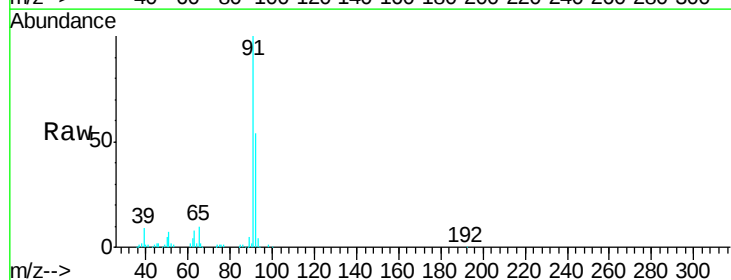
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBSD01

Tgt Ion: 43 Resp: 125685
 Ion Ratio Lower Upper
 43 100
 58 39.9 33.0 49.4



#52
 Toluene
 Concen: 20.391 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

Tgt Ion: 92 Resp: 114140
 Ion Ratio Lower Upper
 92 100
 91 173.4 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 19.853 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

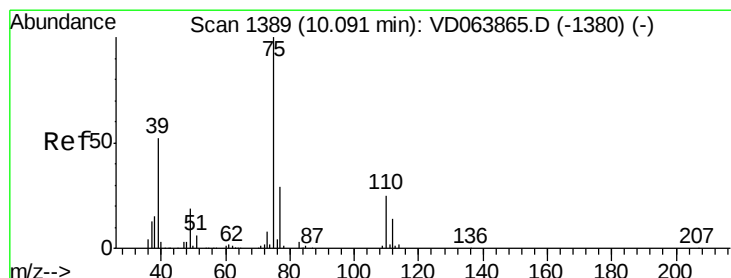
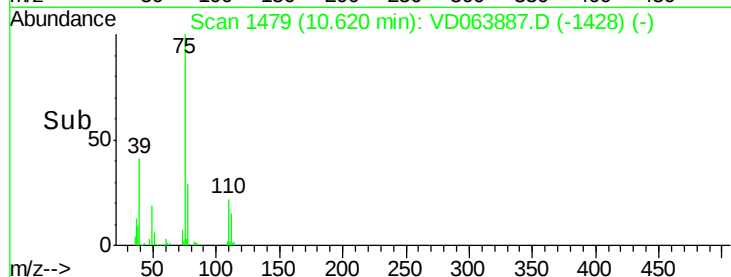
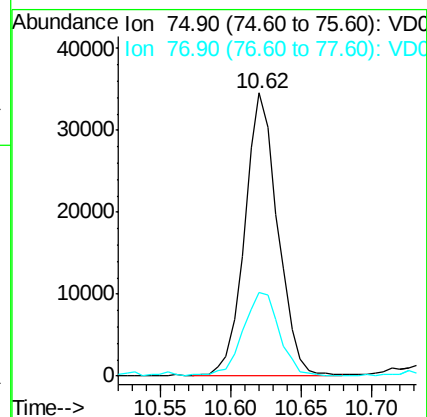
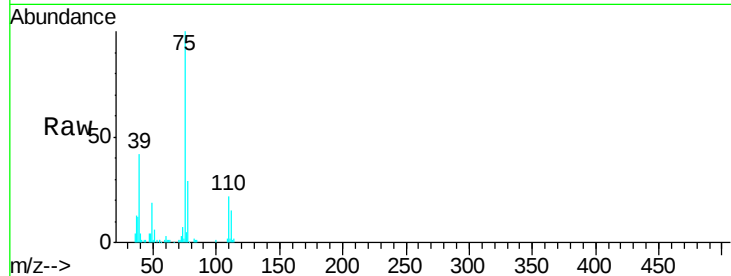
VD1004SBSD01

Tgt Ion: 75 Resp: 56695

Ion Ratio Lower Upper

75 100

77 29.4 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 19.464 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

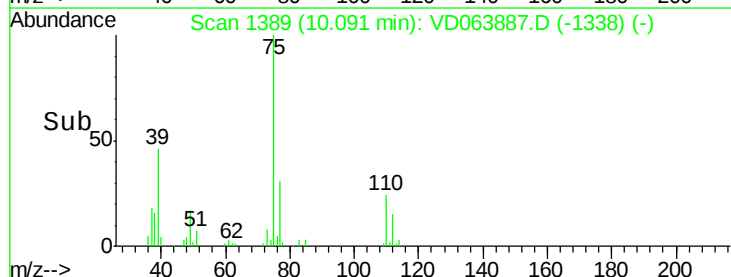
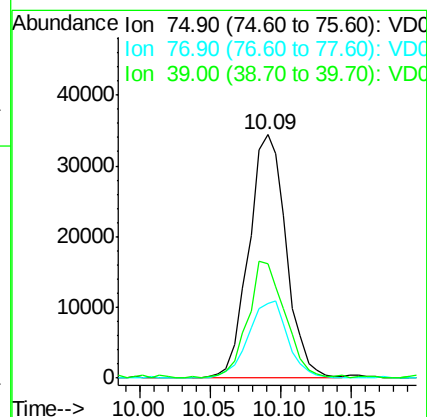
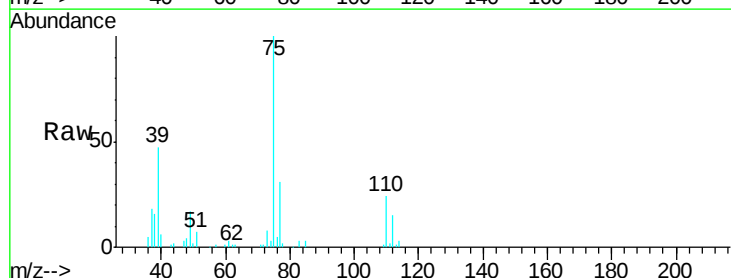
Tgt Ion: 75 Resp: 63983

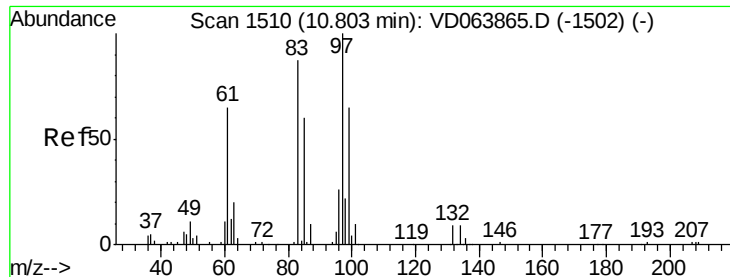
Ion Ratio Lower Upper

75 100

77 30.5 23.2 34.8

39 46.3 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 20.670 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBSD01

Tgt Ion: 97 Resp: 33173

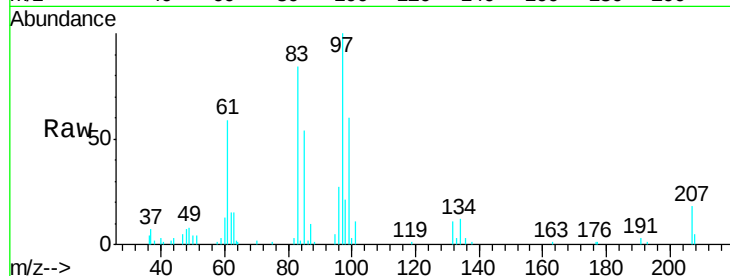
Ion Ratio Lower Upper

97 100

83 84.0 69.7 104.5

85 54.3 48.1 72.1

99 59.6 51.9 77.9

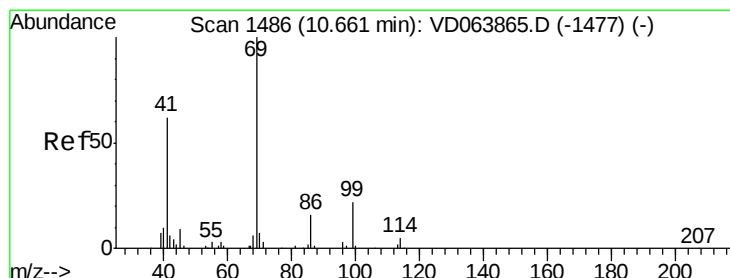
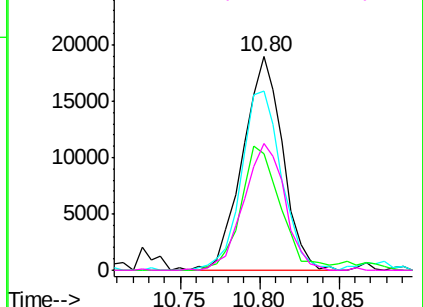
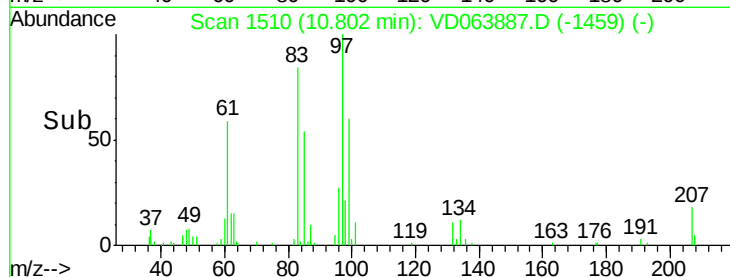


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 19.686 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

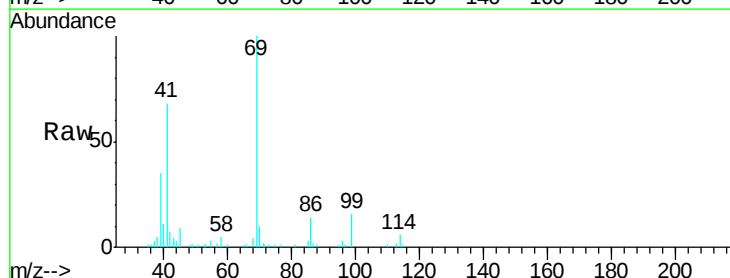
Tgt Ion: 69 Resp: 40010

Ion Ratio Lower Upper

69 100

41 68.0 51.3 76.9

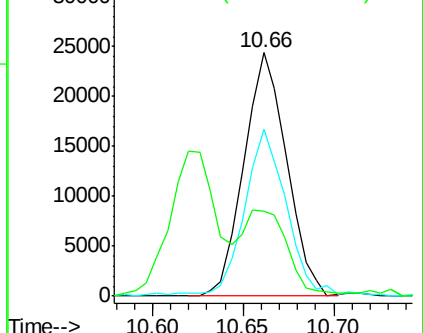
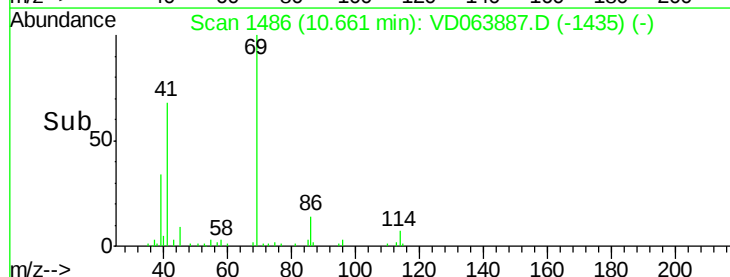
39 37.3 28.0 42.0

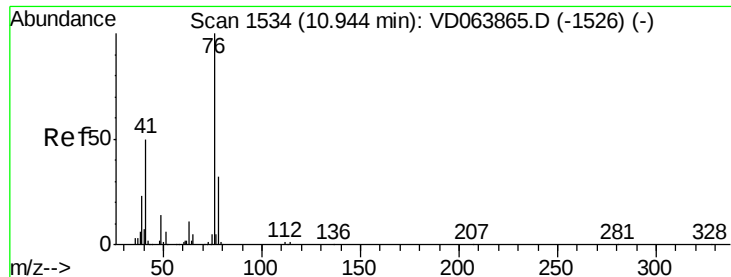


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

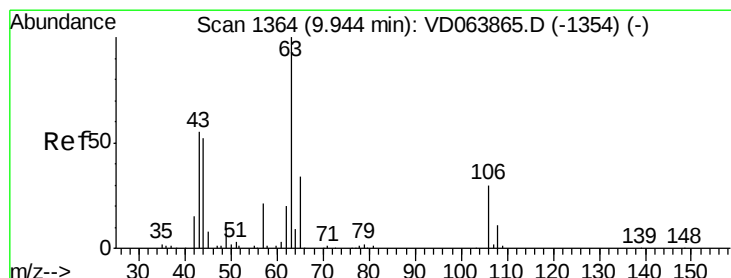
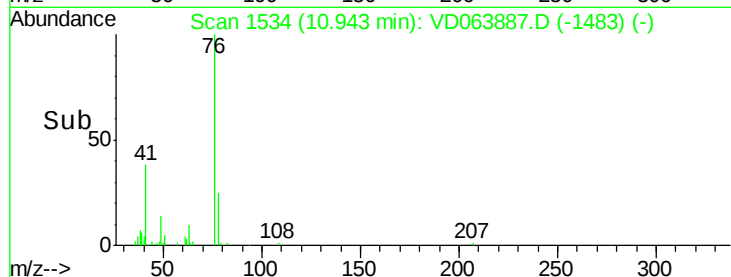
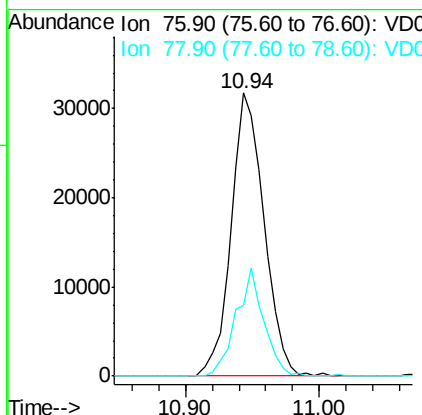
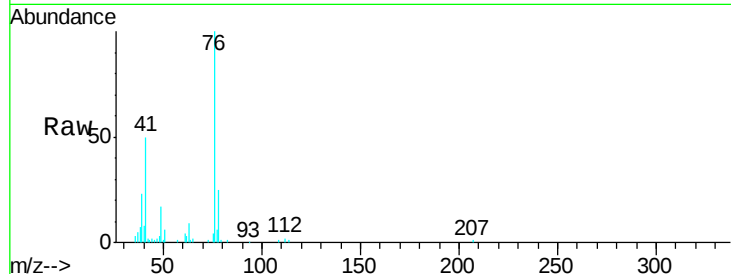




#57
 1,3-Dichloropropane
 Concen: 19.787 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

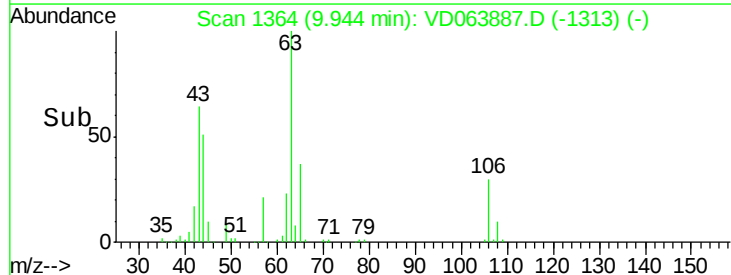
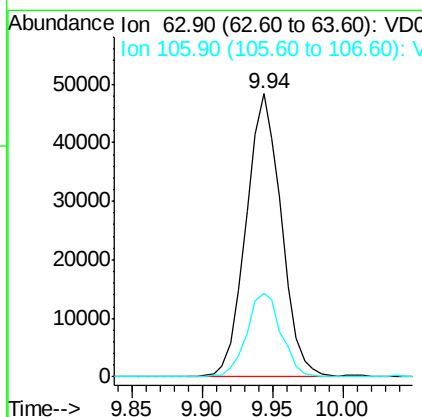
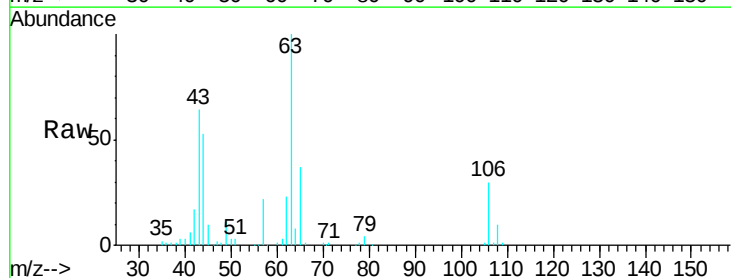
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBSD01

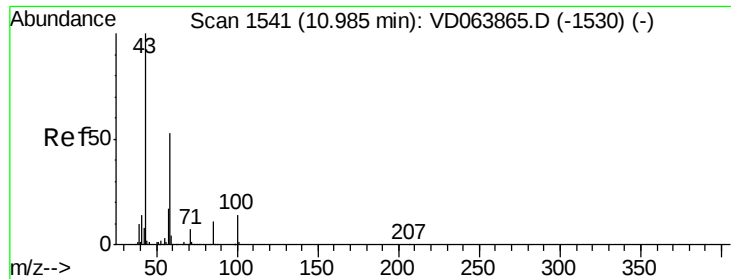
Tgt Ion: 76 Resp: 54335
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.048 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

Tgt Ion: 63 Resp: 84781
 Ion Ratio Lower Upper
 63 100
 106 28.8 24.3 36.5

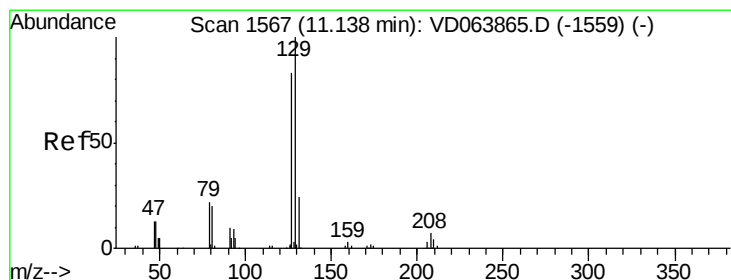
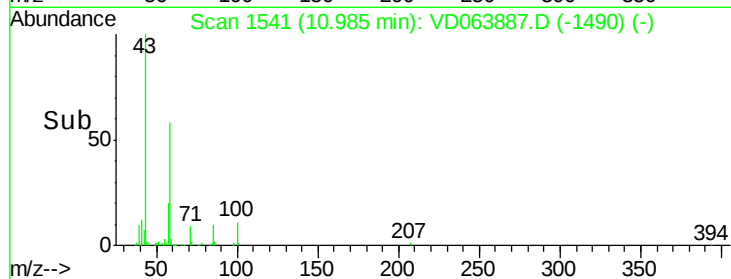
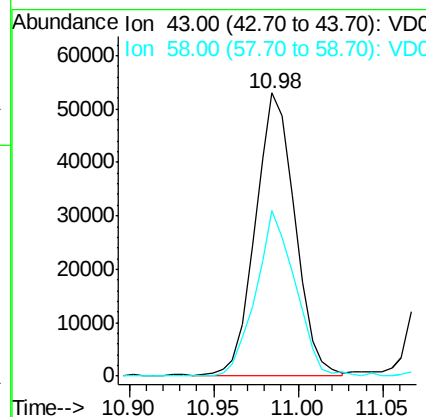
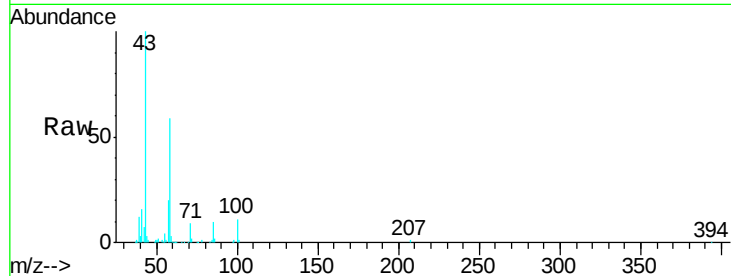




#59
2-Hexanone
Concen: 96.189 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

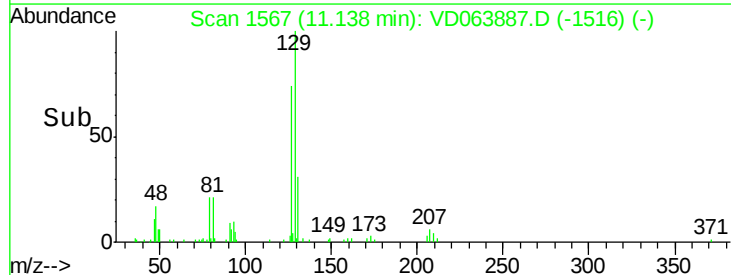
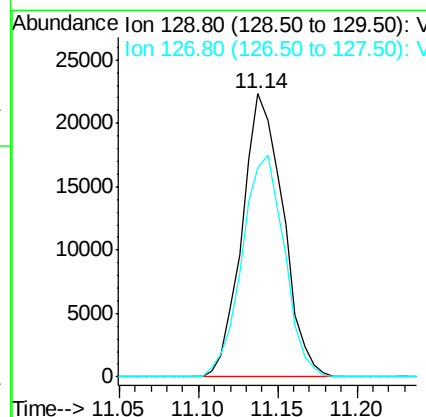
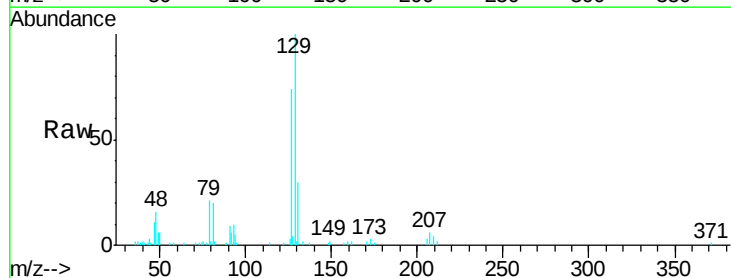
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

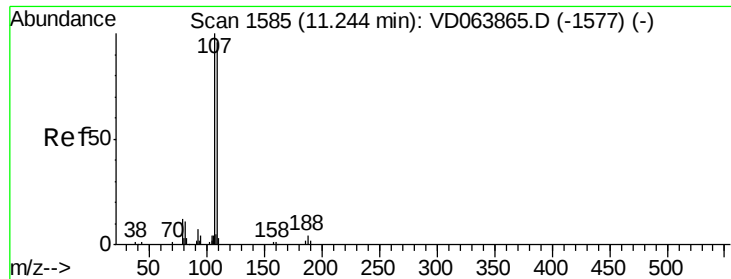
Tgt Ion: 43 Resp: 86110
Ion Ratio Lower Upper
43 100
58 58.2 27.7 83.0



#60
Dibromochloromethane
Concen: 19.205 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

Tgt Ion: 129 Resp: 40127
Ion Ratio Lower Upper
129 100
127 80.9 39.9 119.6

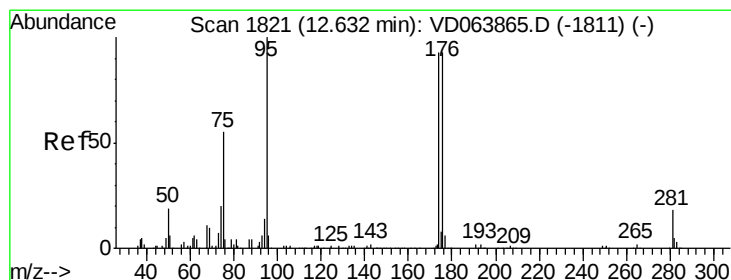
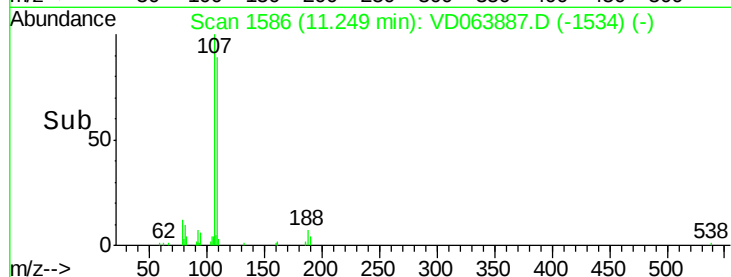
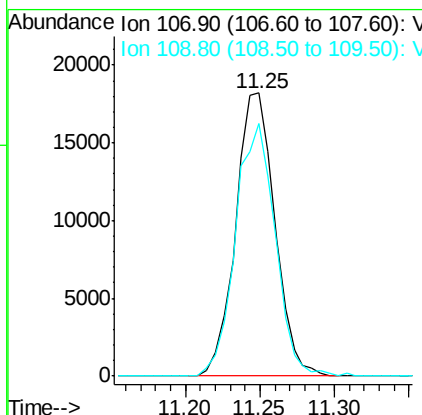
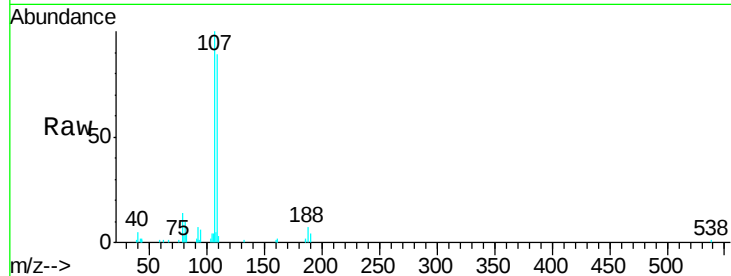




#61
 1,2-Dibromoethane
 Concen: 21.332 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

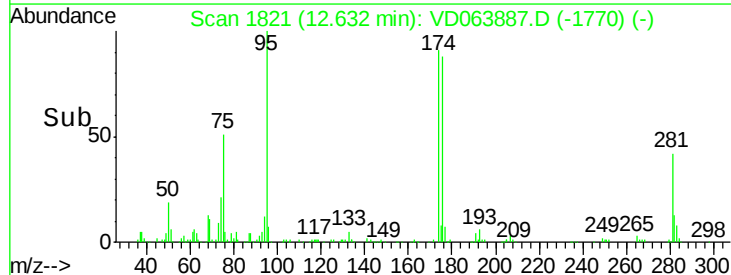
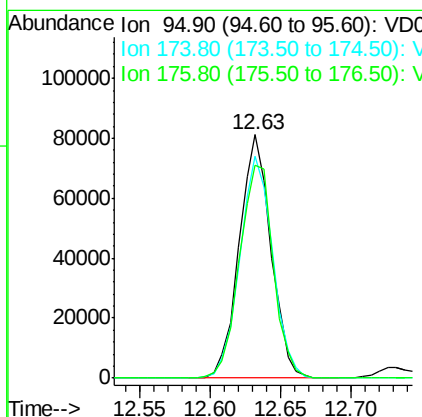
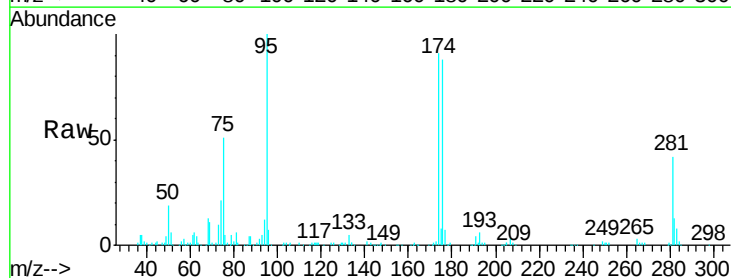
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBSD01

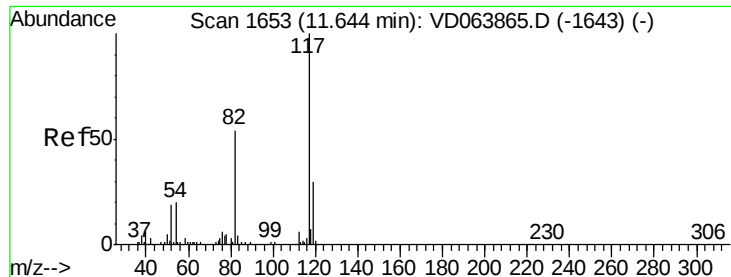
Tgt Ion: 107 Resp: 33190
 Ion Ratio Lower Upper
 107 100
 109 90.3 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 47.571 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

Tgt Ion: 95 Resp: 127607
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 186.4
 176 93.3 0.0 184.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBSD01

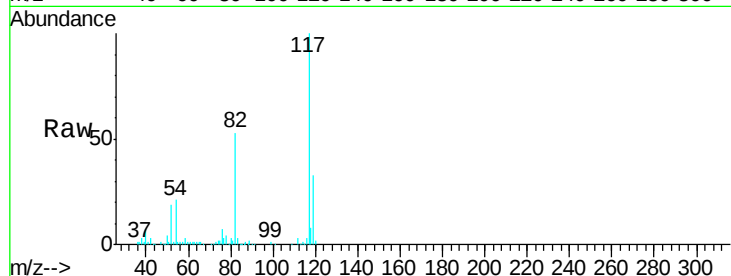
Tgt Ion:117 Resp: 307793

Ion Ratio Lower Upper

117 100

82 52.8 42.8 64.2

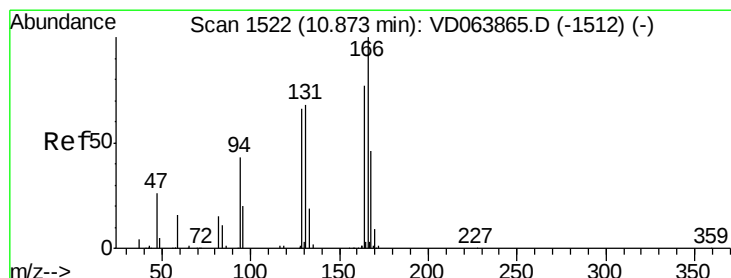
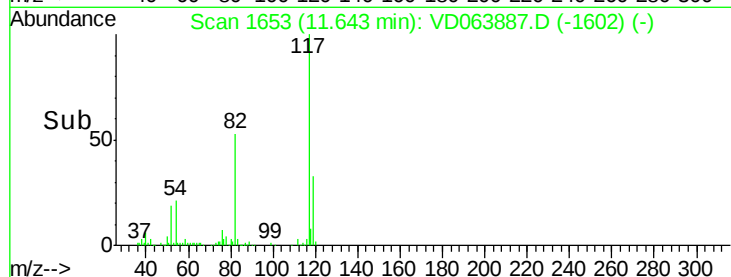
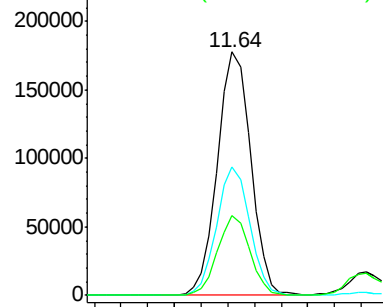
119 32.8 24.4 36.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.103 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Tgt Ion:164 Resp: 40139

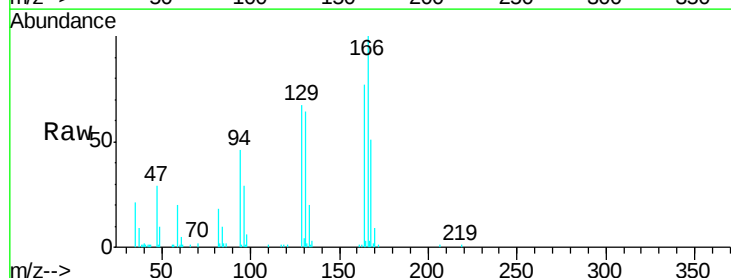
Ion Ratio Lower Upper

164 100

166 130.0 103.8 155.6

129 86.8 68.9 103.3

131 83.2 70.9 106.3

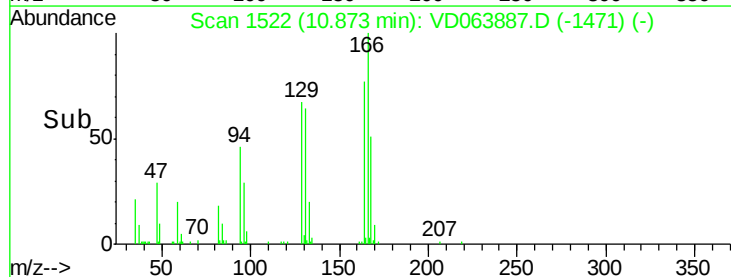
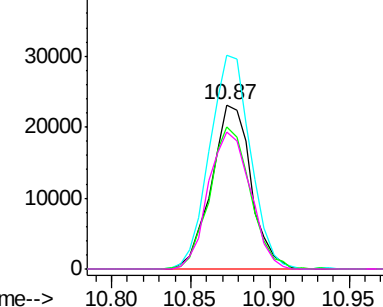


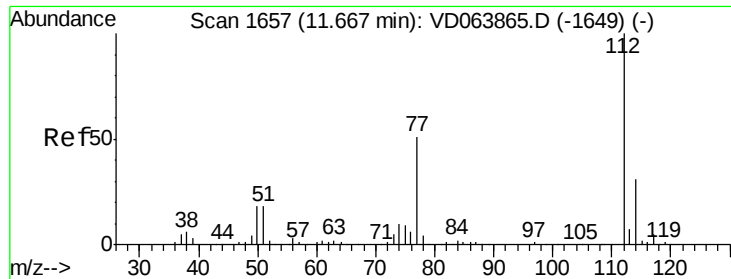
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.040 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

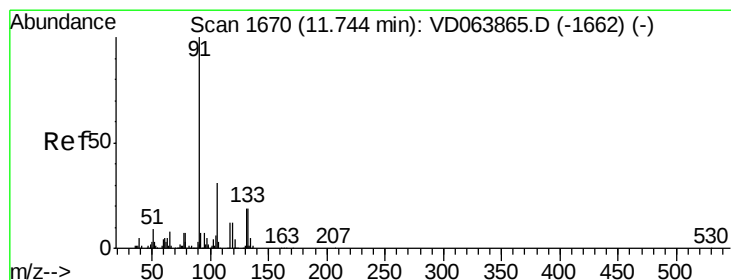
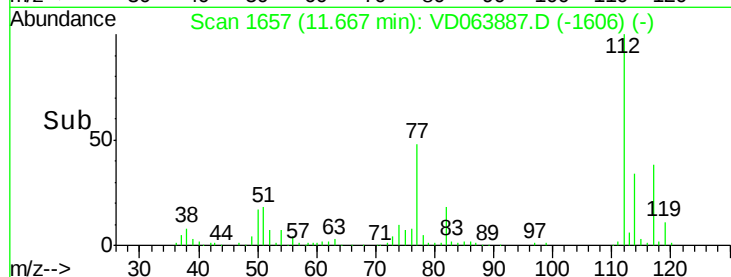
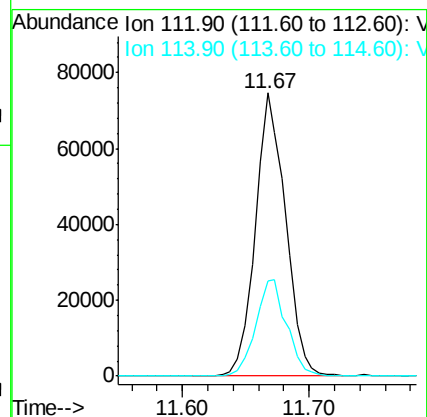
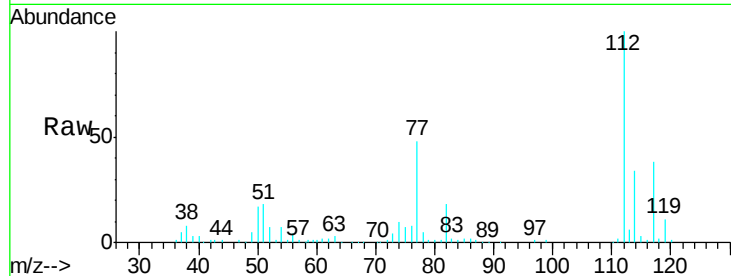
VD1004SBSD01

Tgt Ion:112 Resp: 123876

Ion Ratio Lower Upper

112 100

114 33.7 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 19.502 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

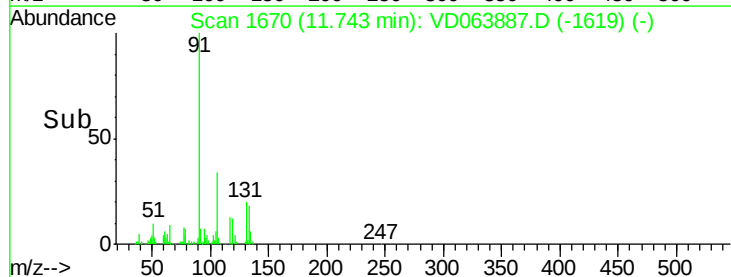
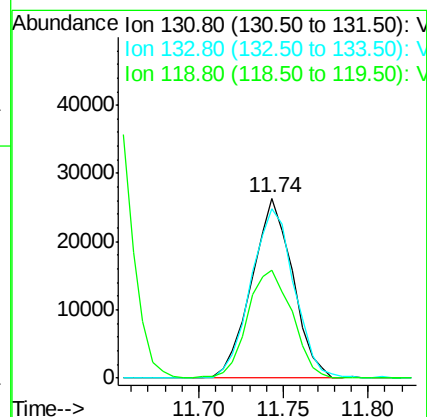
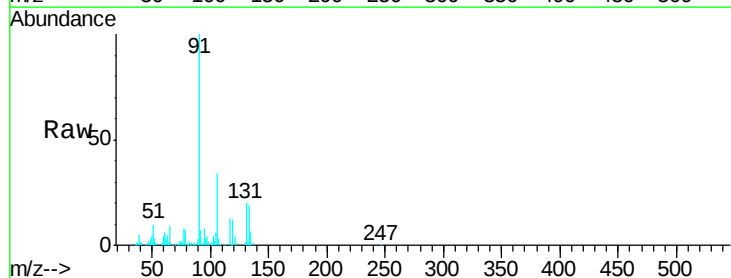
Tgt Ion:131 Resp: 44419

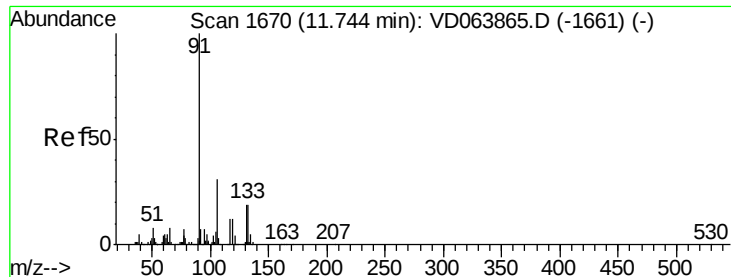
Ion Ratio Lower Upper

131 100

133 99.6 48.9 146.7

119 65.2 32.6 97.8

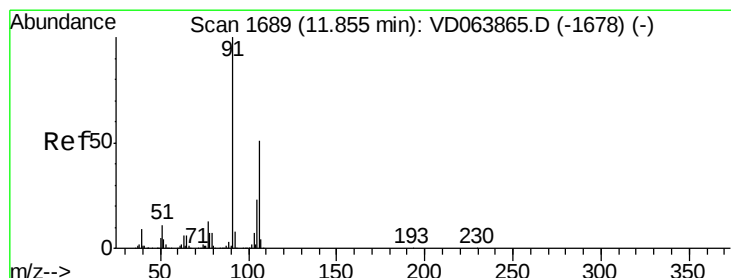
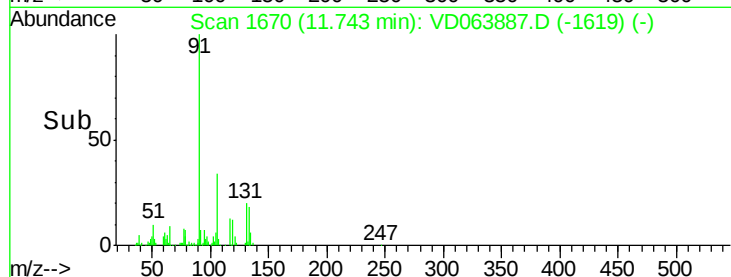
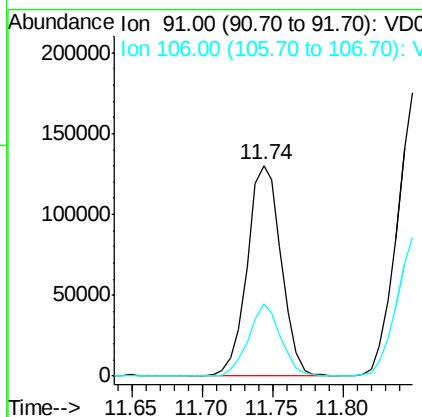
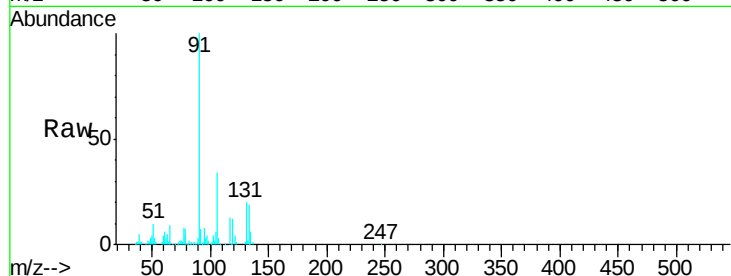




#67
Ethyl Benzene
Concen: 19.736 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

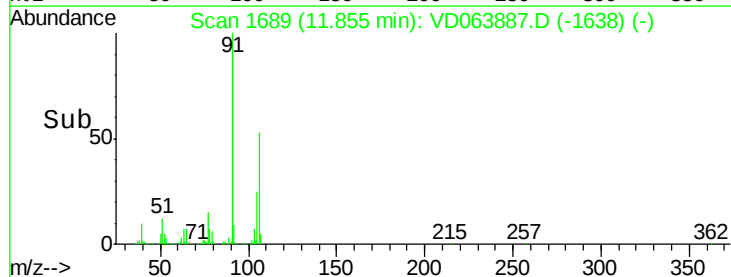
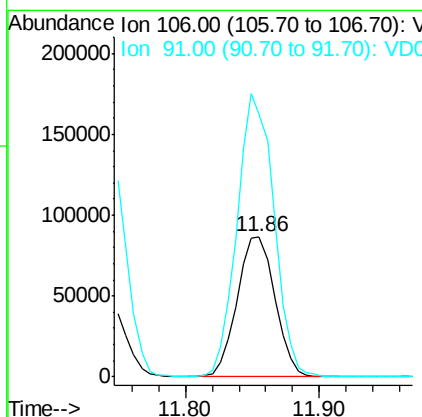
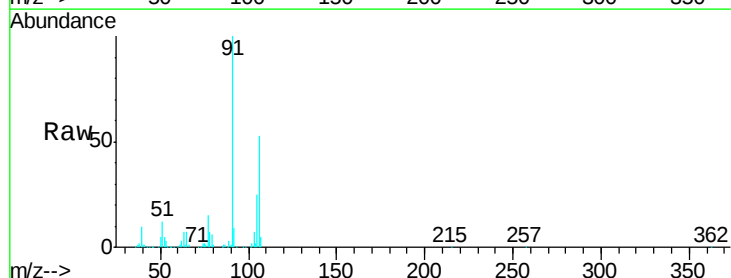
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

Tgt Ion: 91 Resp: 219980
Ion Ratio Lower Upper
91 100
106 34.3 24.6 37.0



#68
m/p-Xylenes
Concen: 39.691 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

Tgt Ion: 106 Resp: 170757
Ion Ratio Lower Upper
106 100
91 196.5 154.8 232.2

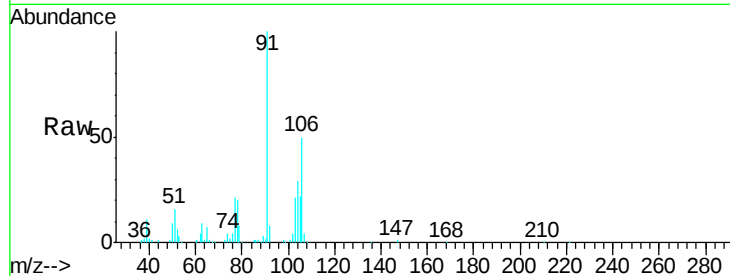




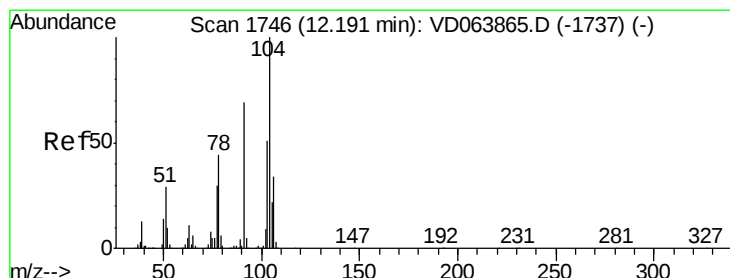
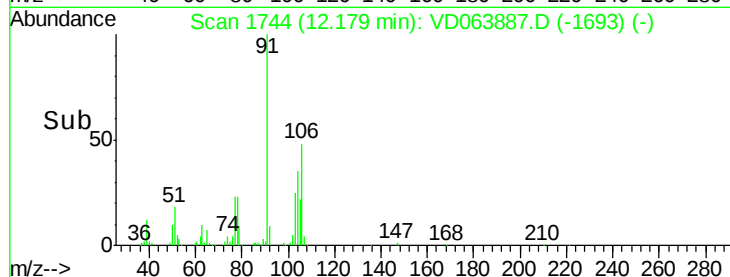
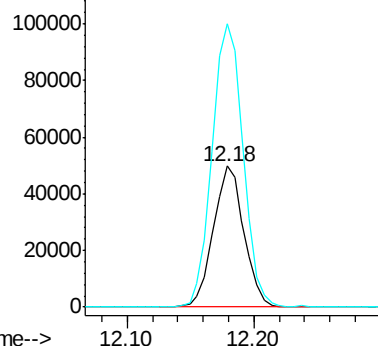
#69
o-Xylene
Concen: 20.243 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

Tgt Ion:106 Resp: 83391
Ion Ratio Lower Upper
106 100
91 203.3 103.9 311.7

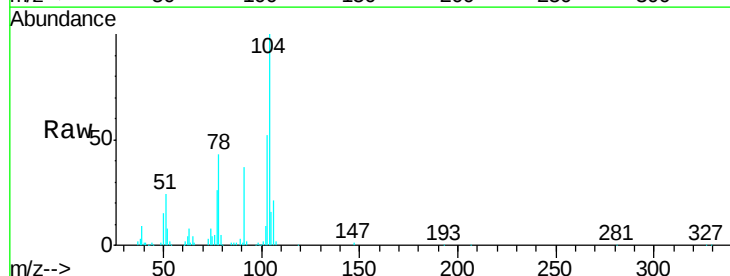


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

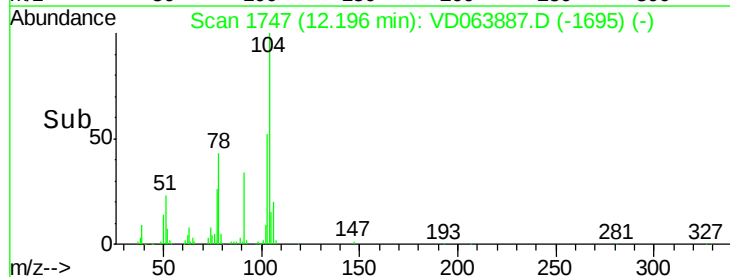
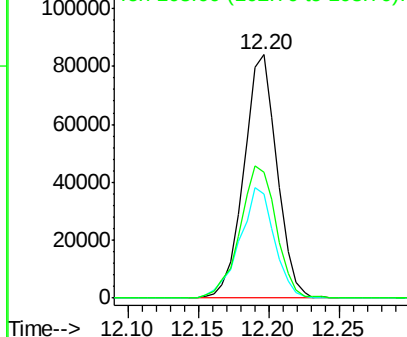


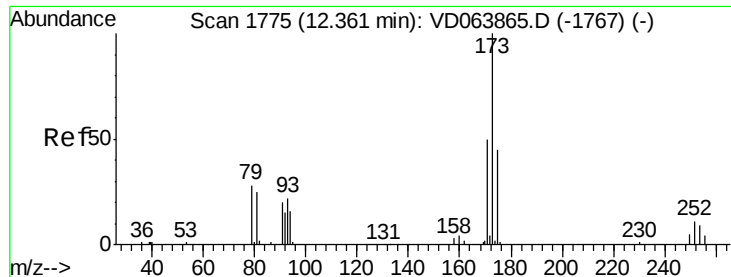
#70
Styrene
Concen: 19.804 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

Tgt Ion:104 Resp: 138105
Ion Ratio Lower Upper
104 100
78 47.6 37.0 55.4
103 59.5 44.2 66.4



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

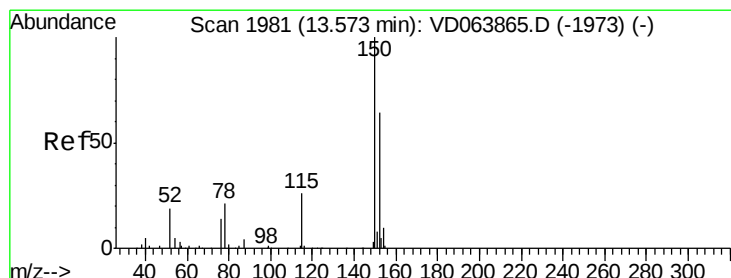
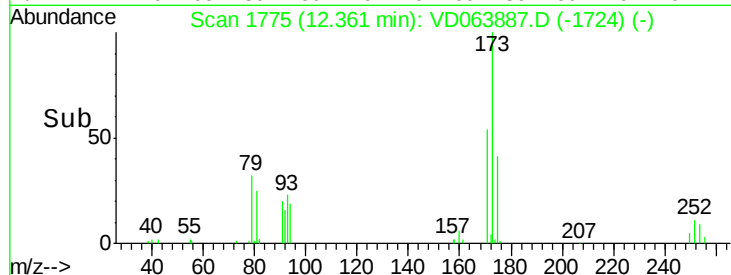
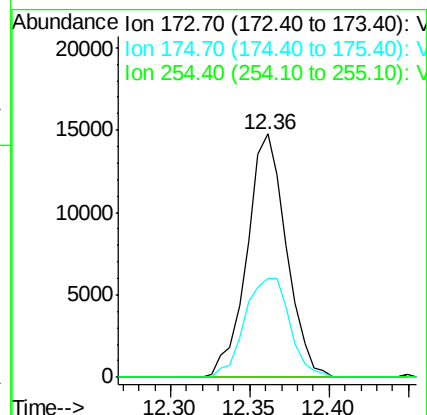
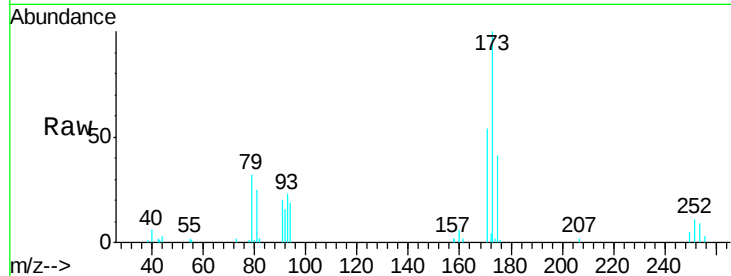




#71
Bromoform
Concen: 20.838 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

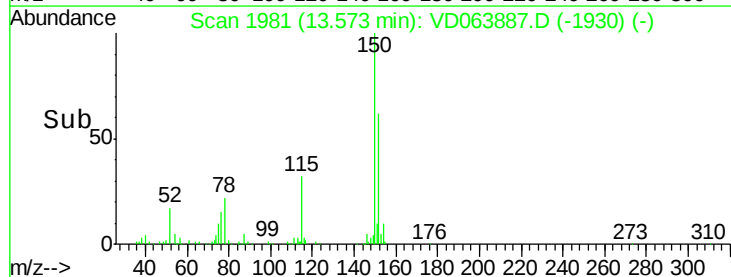
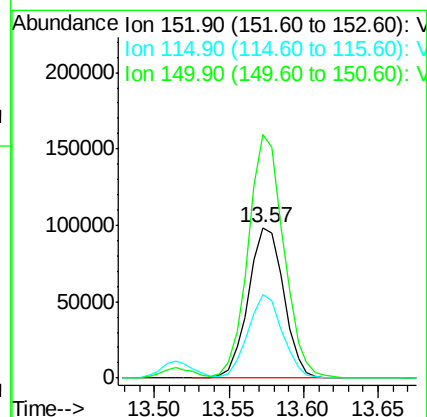
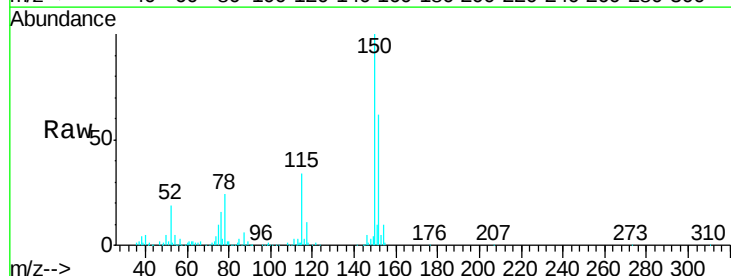
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

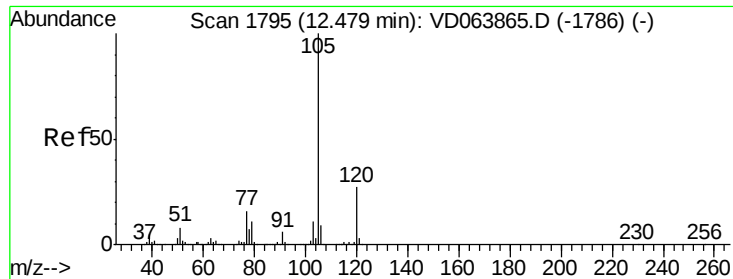
Tgt Ion:173 Resp: 25472
Ion Ratio Lower Upper
173 100
175 46.7 24.6 74.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

Tgt Ion:152 Resp: 161667
Ion Ratio Lower Upper
152 100
115 54.2 25.9 77.7
150 162.4 0.0 344.2





#73

Isopropylbenzene

Concen: 19.848 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

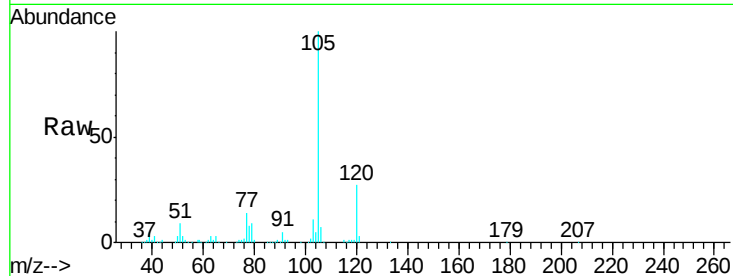
VD1004SBSD01

Tgt Ion: 105 Resp: 215705

Ion Ratio Lower Upper

105 100

120 27.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

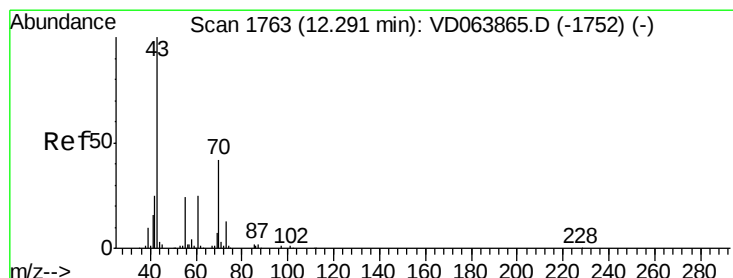
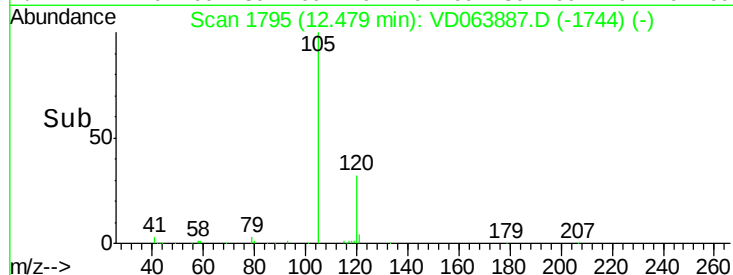
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.604 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Tgt Ion: 43 Resp: 48211

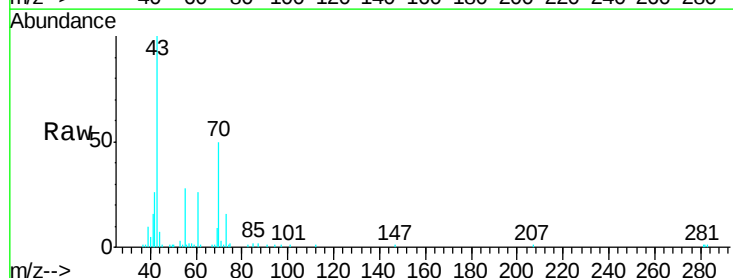
Ion Ratio Lower Upper

43 100

70 45.7 35.8 53.6

55 25.5 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

12.29

40000

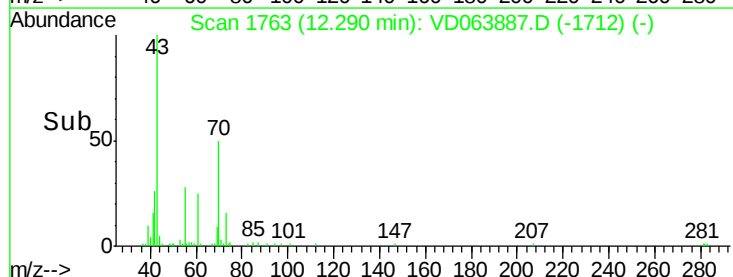
30000

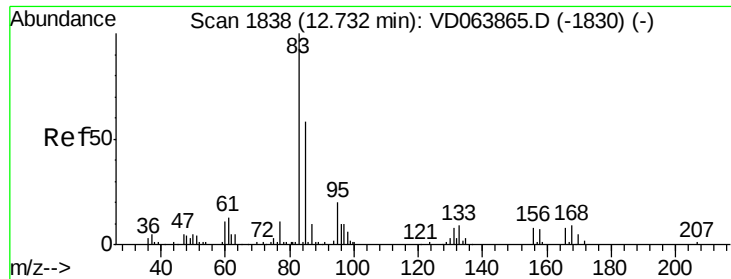
20000

10000

0

Time-->

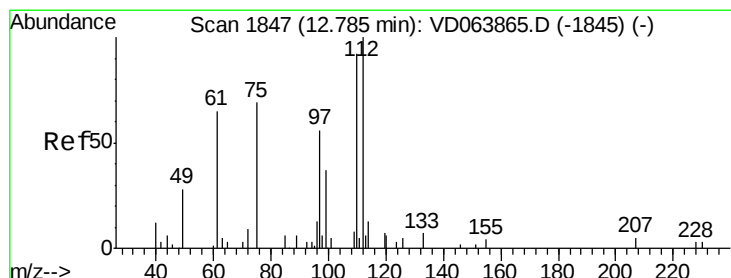
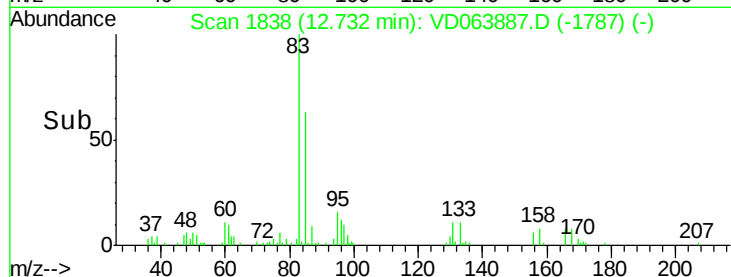
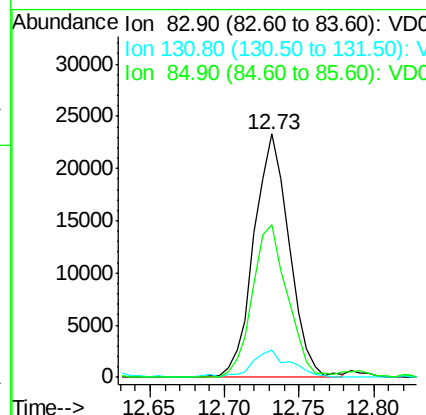
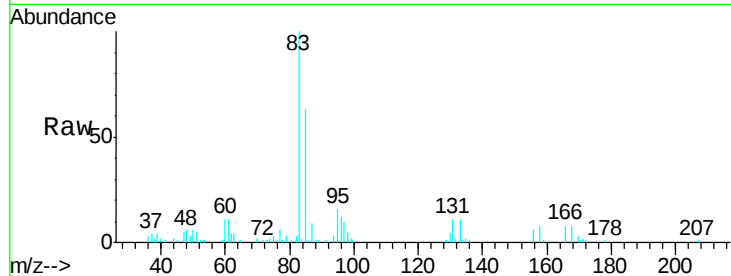




#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.152 ug/l
 RT: 12.73 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

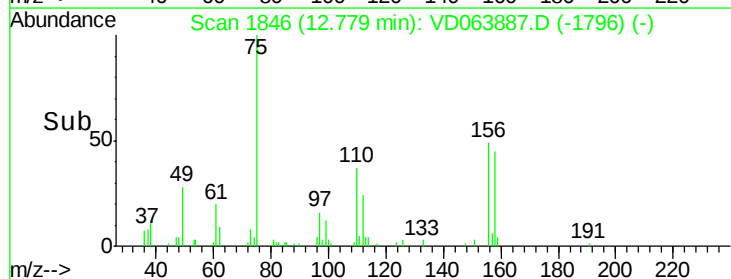
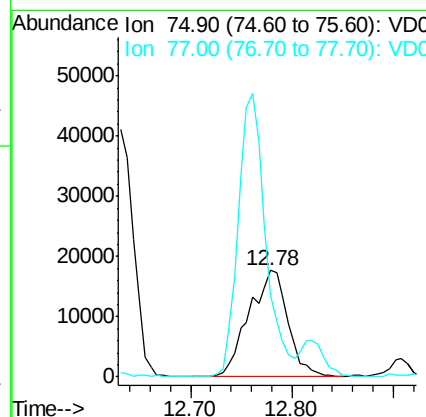
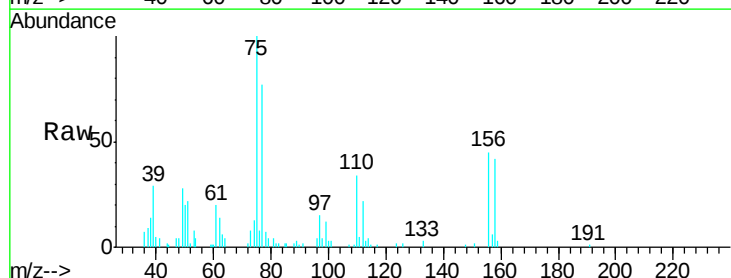
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBSD01

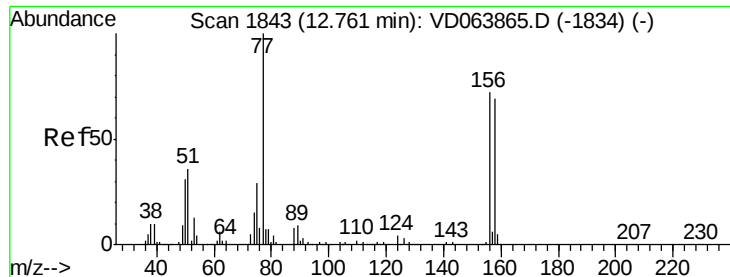
Tgt Ion: 83 Resp: 38112
 Ion Ratio Lower Upper
 83 100
 131 11.8 5.6 16.8
 85 62.3 32.3 96.8



#76
 1,2,3-Trichloropropane
 Concen: 43.722 ug/l
 RT: 12.78 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

Tgt Ion: 75 Resp: 47342
 Ion Ratio Lower Upper
 75 100
 77 187.5 0.0 0.0#





#77

Bromobenzene

Concen: 19.713 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBSD01

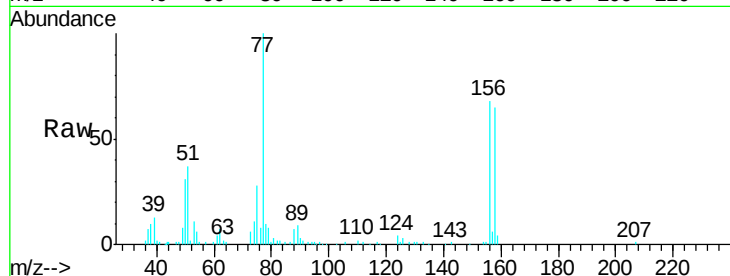
Tgt Ion:156 Resp: 53378

Ion Ratio Lower Upper

156 100

77 166.3 80.3 241.0

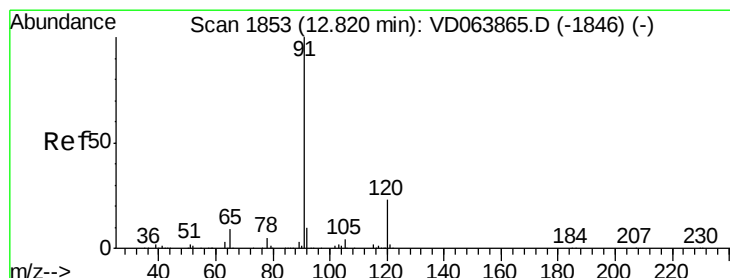
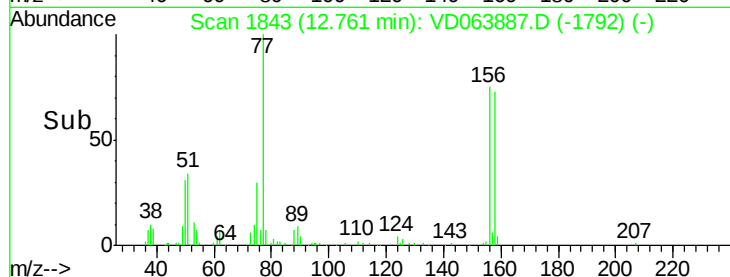
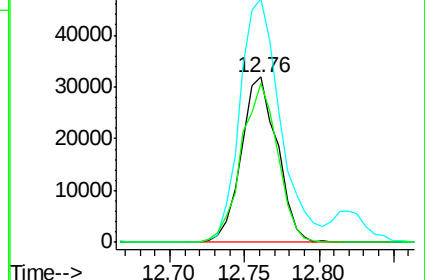
158 97.1 47.4 142.2



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: 20.310 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063887.D

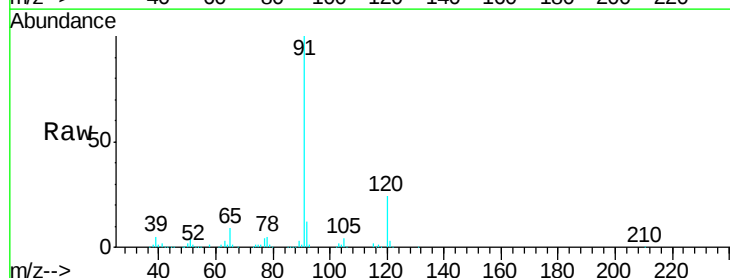
Acq: 04 Oct 2019 15:06

Tgt Ion: 91 Resp: 259094

Ion Ratio Lower Upper

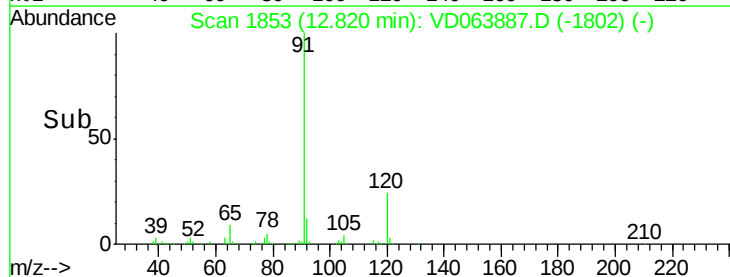
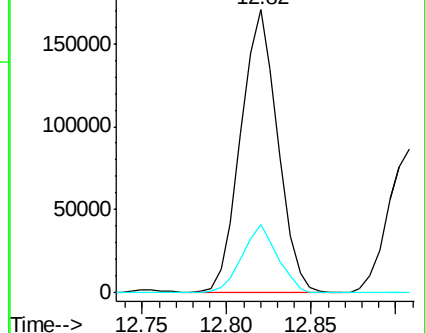
91 100

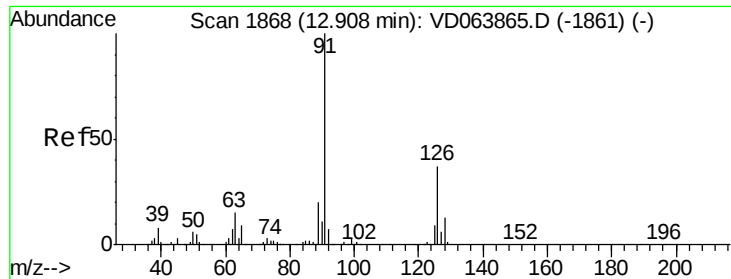
120 23.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.951 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

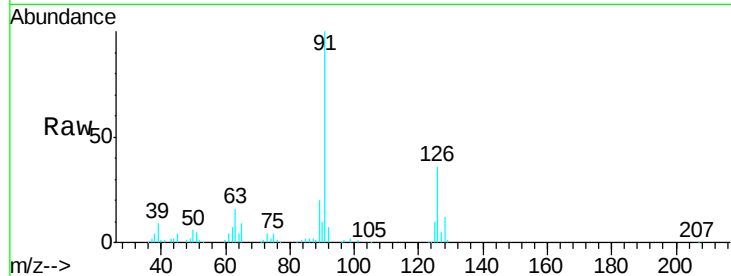
VD1004SBSD01

Tgt Ion: 91 Resp: 140334

Ion Ratio Lower Upper

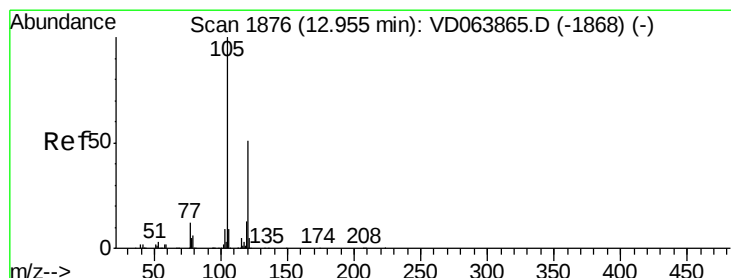
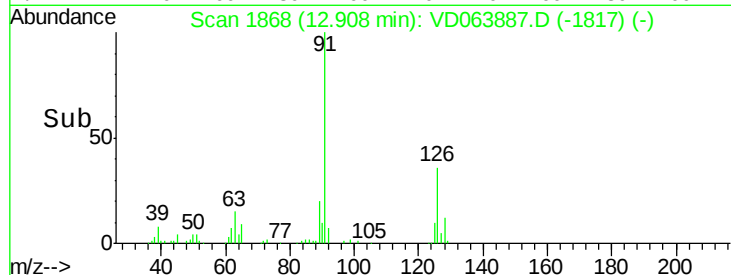
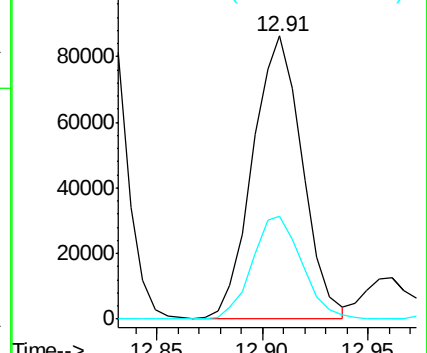
91 100

126 36.8 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: 20.777 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063887.D

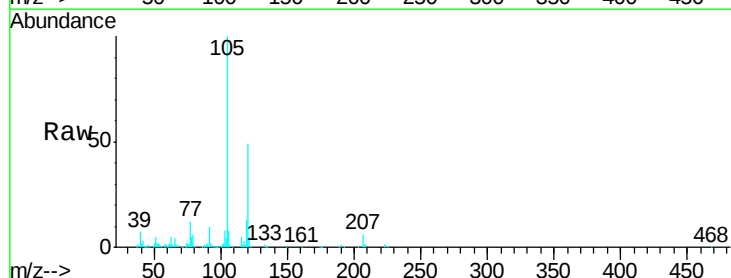
Acq: 04 Oct 2019 15:06

Tgt Ion: 105 Resp: 188382

Ion Ratio Lower Upper

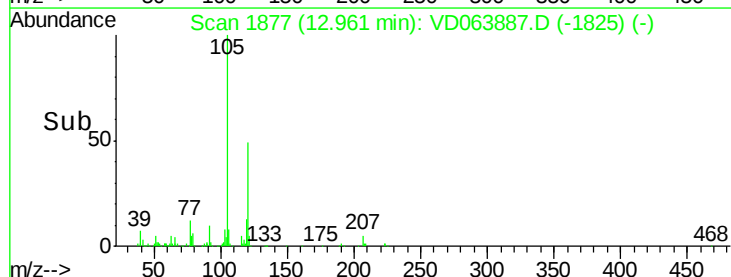
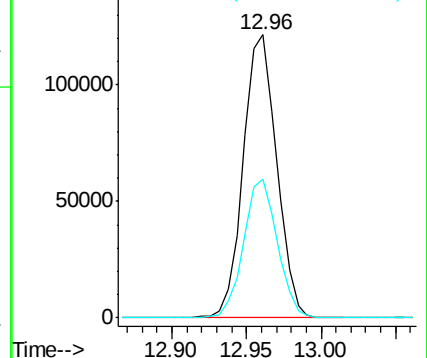
105 100

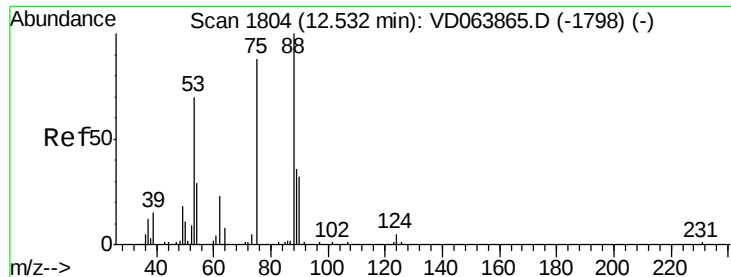
120 49.4 25.9 77.8



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: 19.557 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

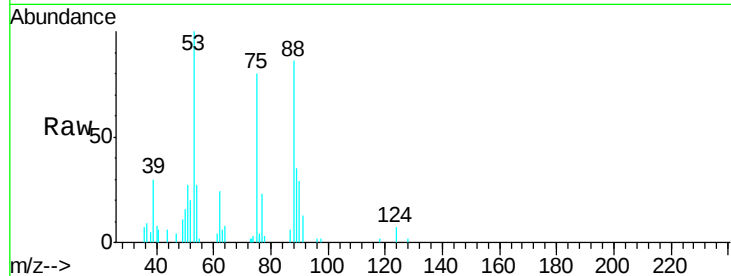
Tgt Ion: 75 Resp: 11967

Ion Ratio Lower Upper

75 100

53 110.6 75.0 112.6

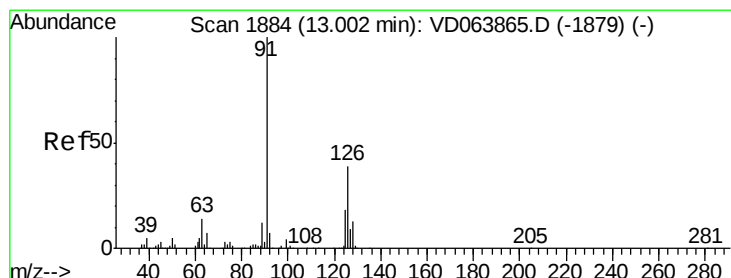
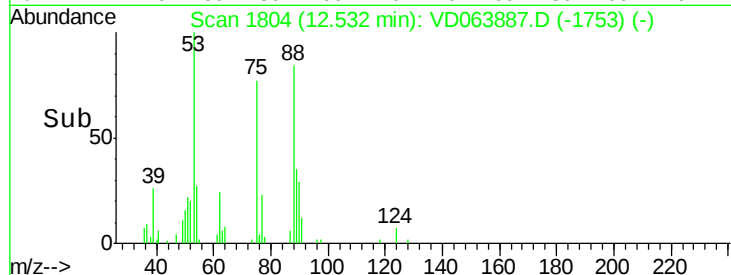
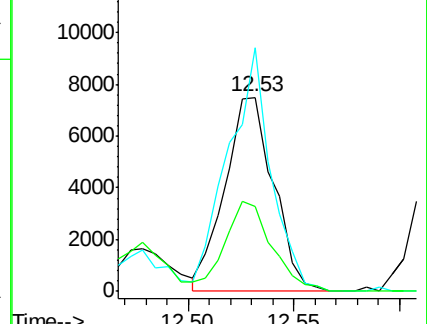
89 44.6 38.2 57.4



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: 20.583 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063887.D

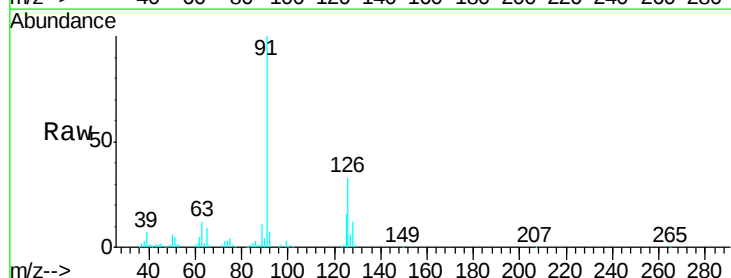
Acq: 04 Oct 2019 15:06

Tgt Ion: 91 Resp: 153587

Ion Ratio Lower Upper

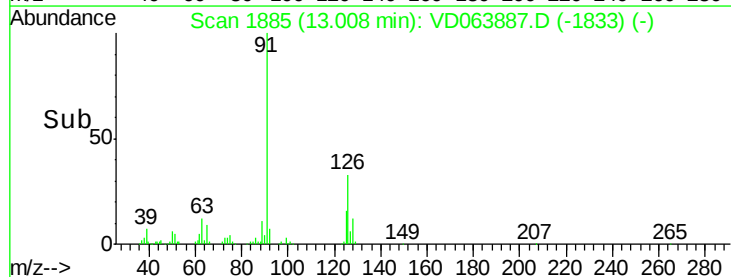
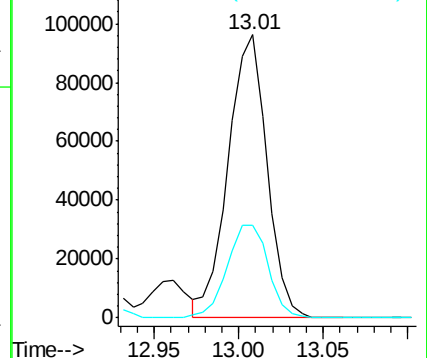
91 100

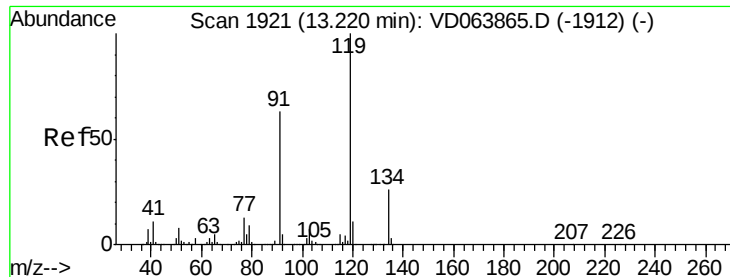
126 34.8 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

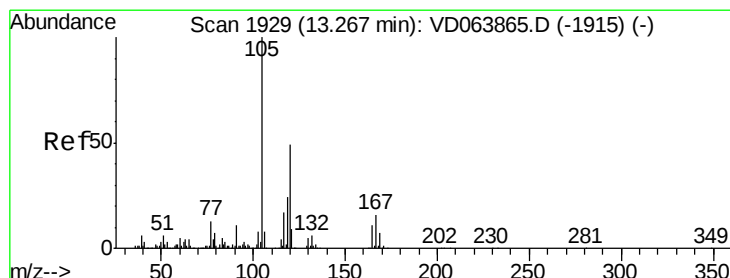
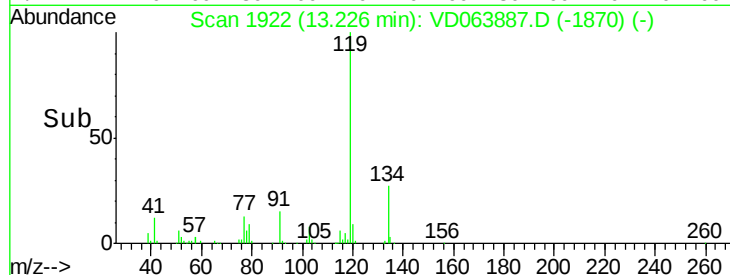
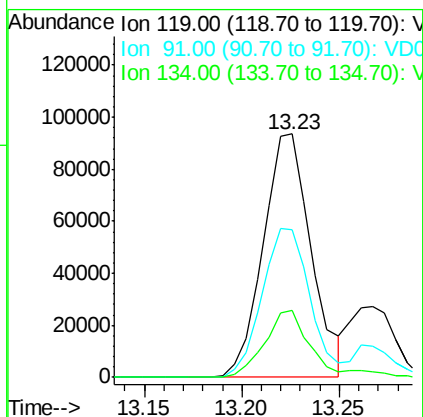
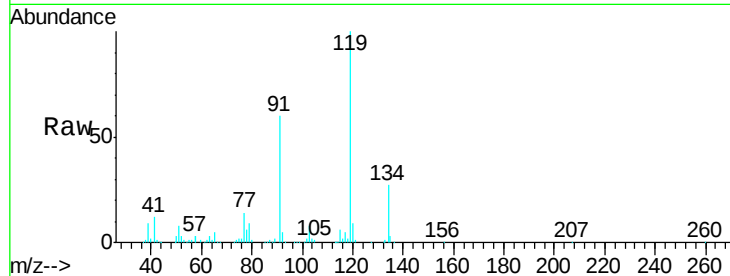




#83
 tert-Butylbenzene
 Concen: 19.762 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

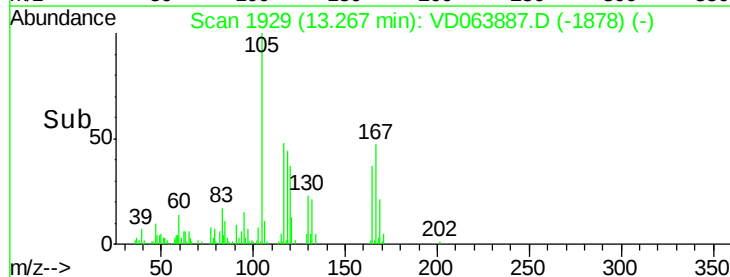
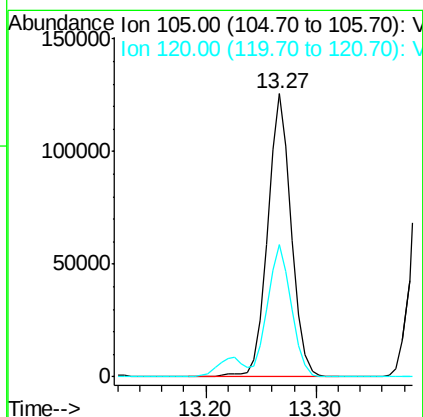
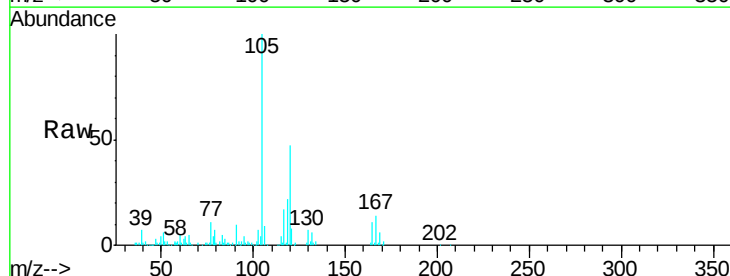
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

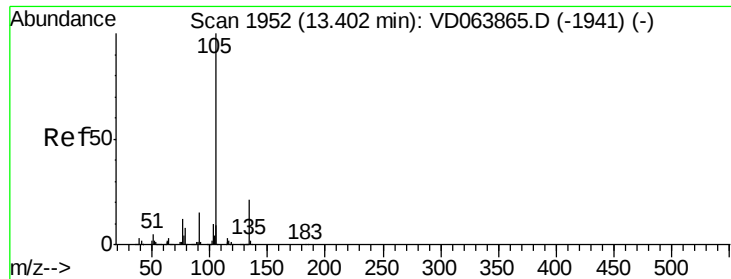
Tgt Ion:119 Resp: 159470
 Ion Ratio Lower Upper
 119 100
 91 60.8 30.0 90.0
 134 27.3 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.982 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

Tgt Ion:105 Resp: 186782
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.8 71.5





#85

sec-Butylbenzene

Concen: 20.153 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

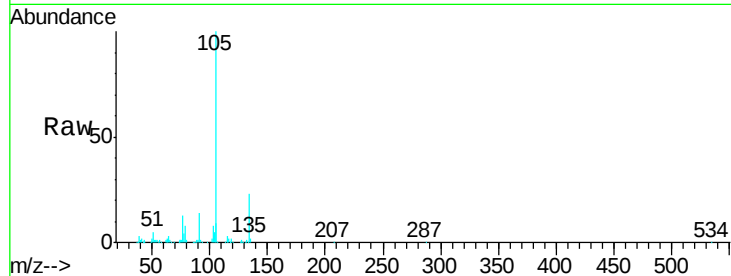
VD1004SBSD01

Tgt Ion:105 Resp: 219615

Ion Ratio Lower Upper

105 100

134 21.1 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

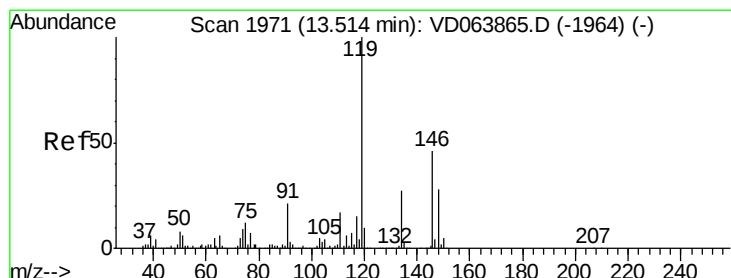
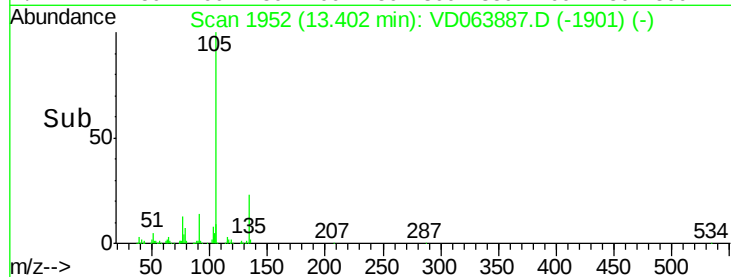
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.753 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

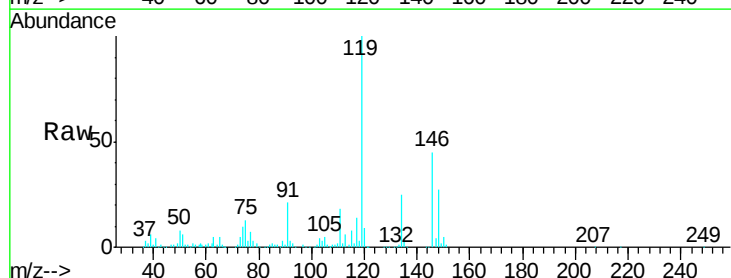
Tgt Ion:119 Resp: 203696

Ion Ratio Lower Upper

119 100

134 27.0 13.9 41.6

91 22.8 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

13.51

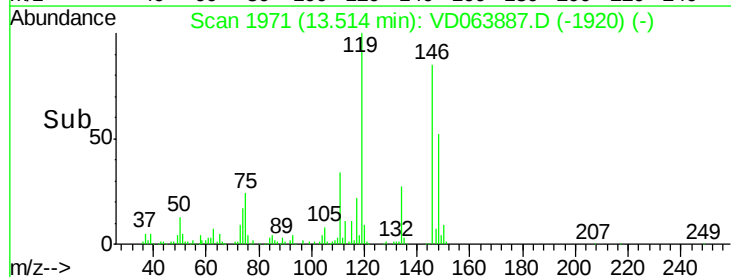
150000

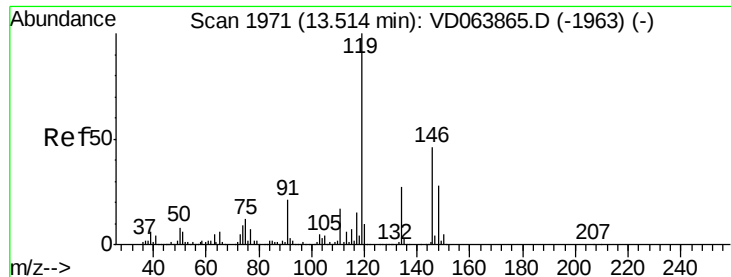
100000

50000

0

Time-->

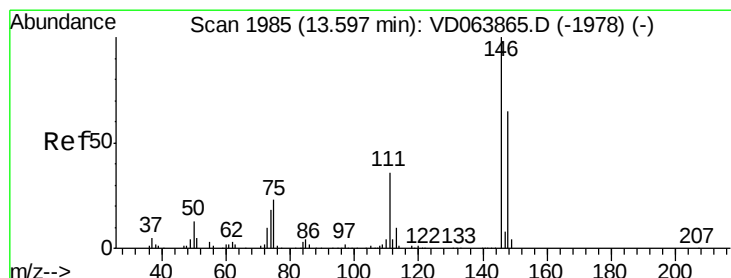
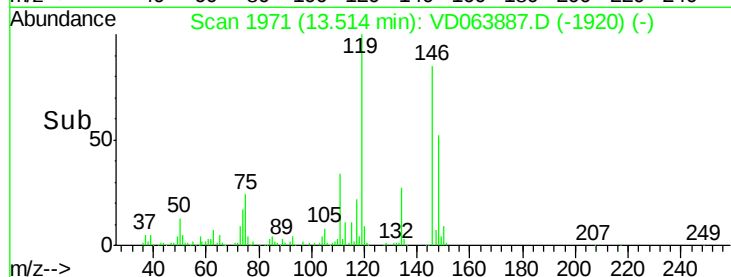
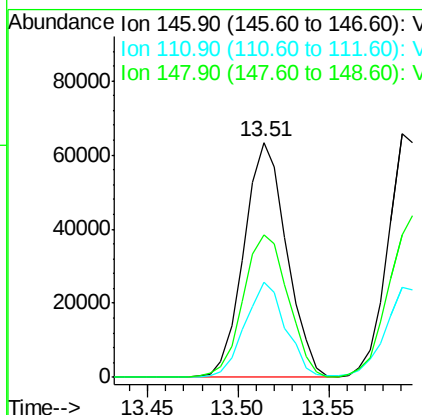
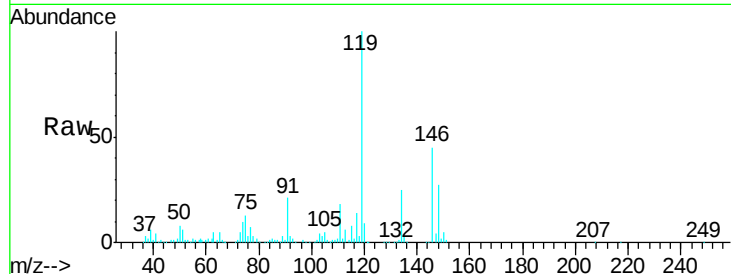




#87
 1,3-Dichlorobenzene
 Concen: 19.431 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

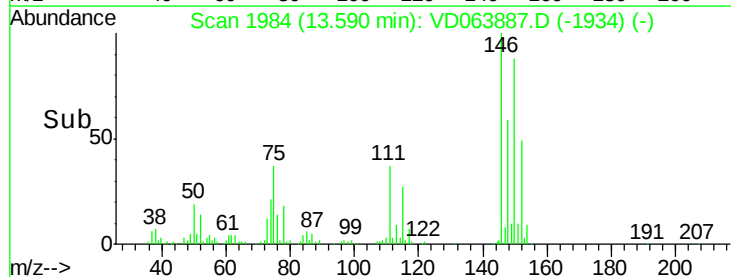
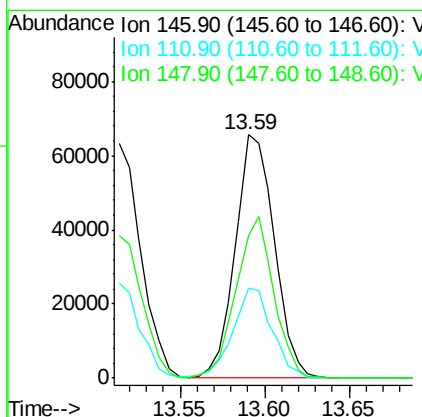
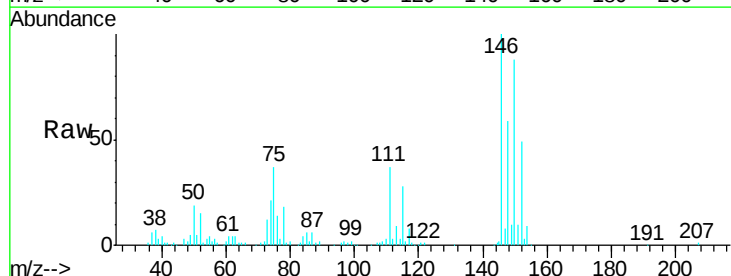
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBSD01

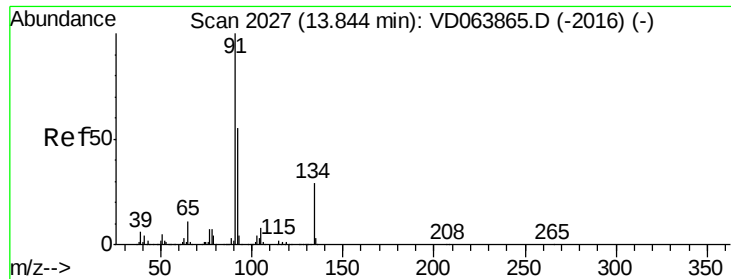
Tgt Ion:146 Resp: 103960
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.3 54.9
 148 63.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.078 ug/l
 RT: 13.59 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

Tgt Ion:146 Resp: 105973
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.6 56.0
 148 64.2 32.6 98.0

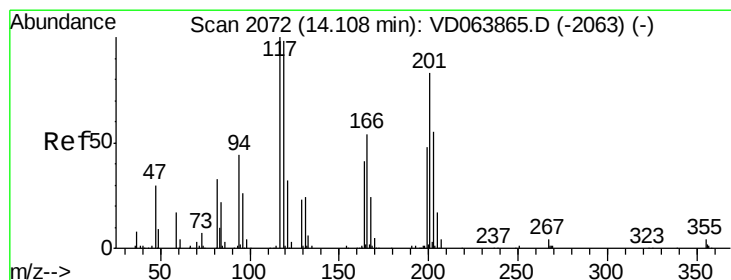
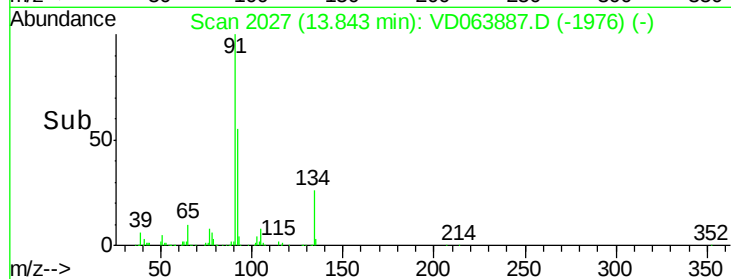
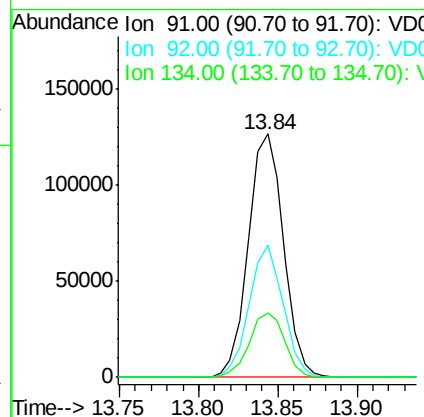
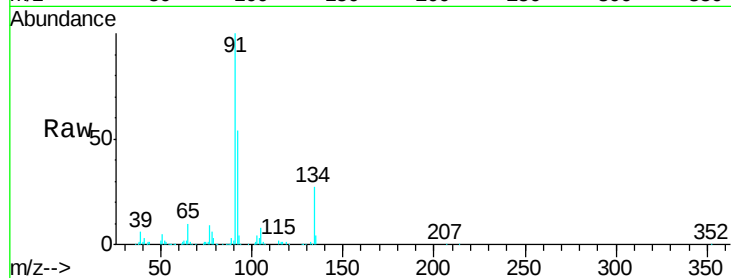




#89
n-Butylbenzene
Concen: 20.358 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

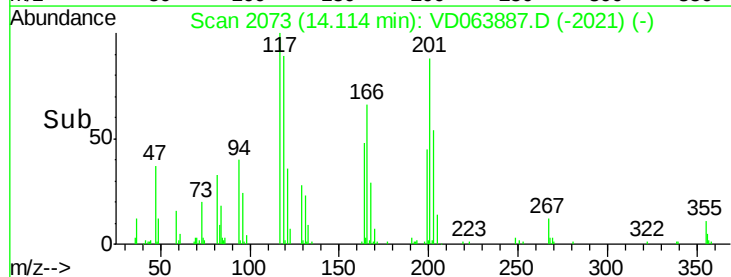
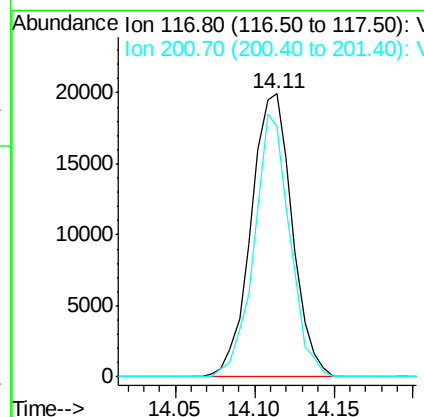
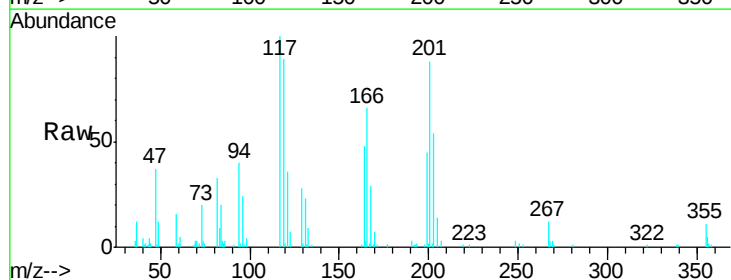
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

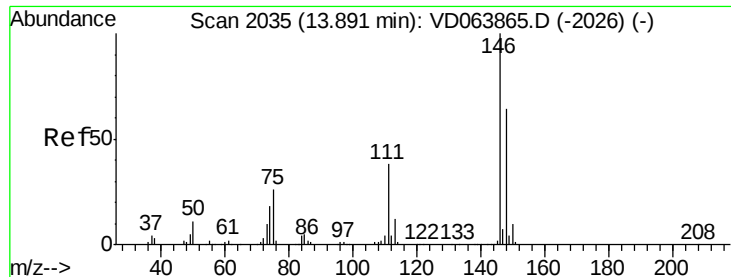
Tgt Ion: 91 Resp: 195407
Ion Ratio Lower Upper
91 100
92 52.7 26.8 80.3
134 26.7 14.4 43.0



#90
Hexachloroethane
Concen: 19.401 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

Tgt Ion: 117 Resp: 35982
Ion Ratio Lower Upper
117 100
201 80.4 40.6 121.7

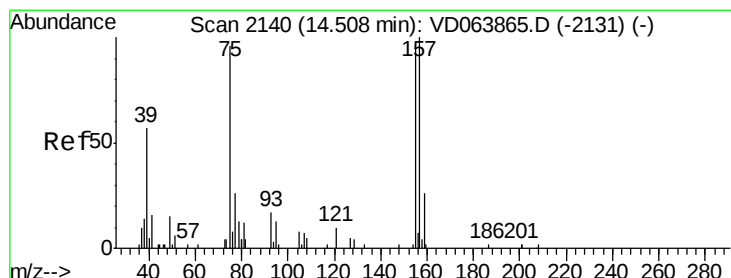
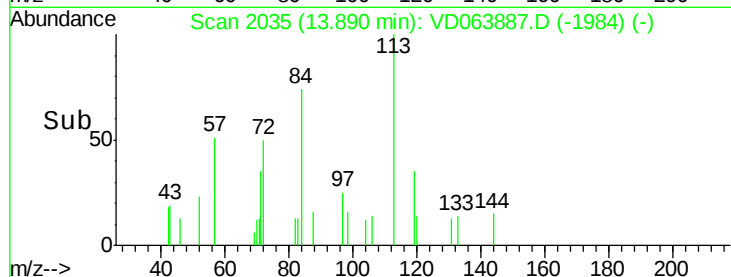
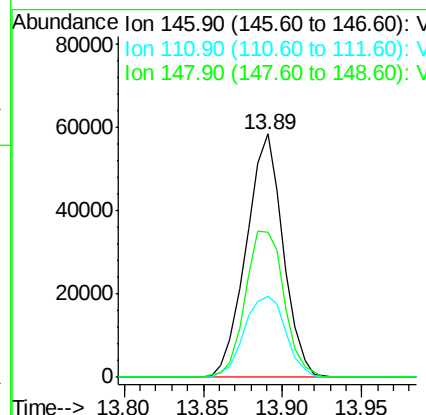
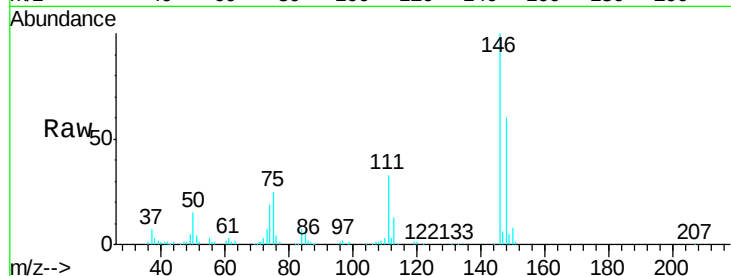




#91
 1,2-Dichlorobenzene
 Concen: 20.438 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

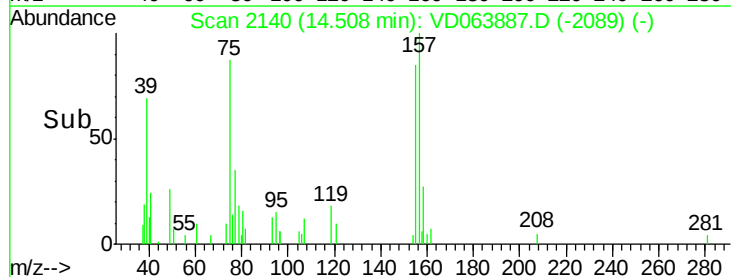
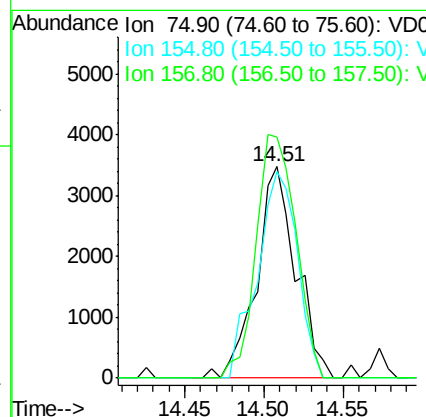
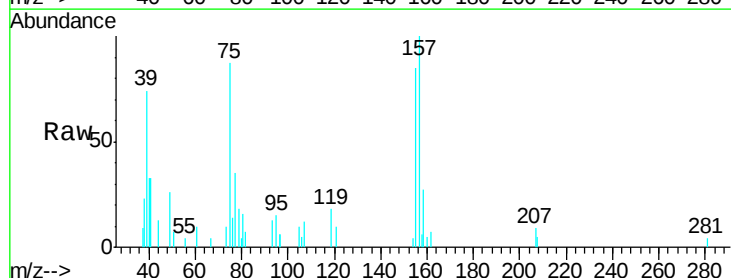
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBSD01

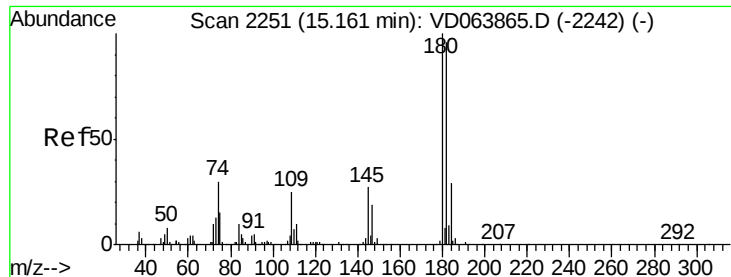
Tgt Ion:146 Resp: 94232
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.6 55.6
 148 63.4 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.418 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

Tgt Ion: 75 Resp: 6026
 Ion Ratio Lower Upper
 75 100
 155 99.4 43.9 131.6
 157 116.5 56.0 167.9

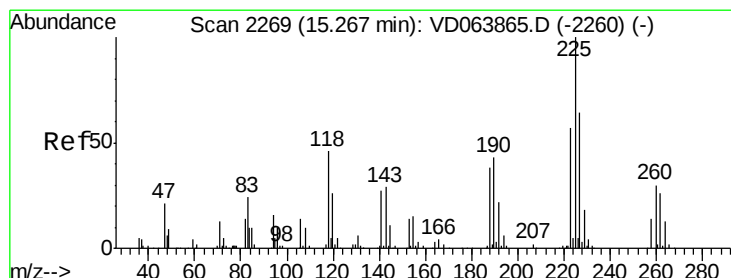
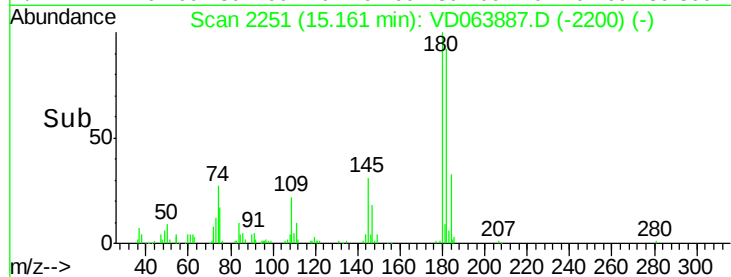
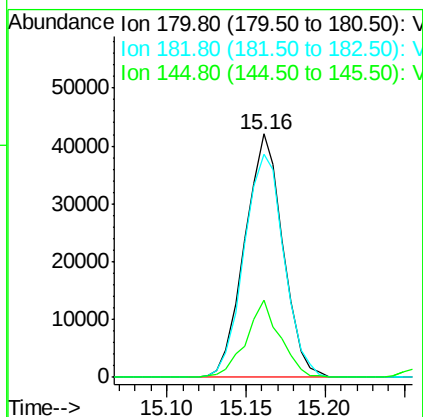
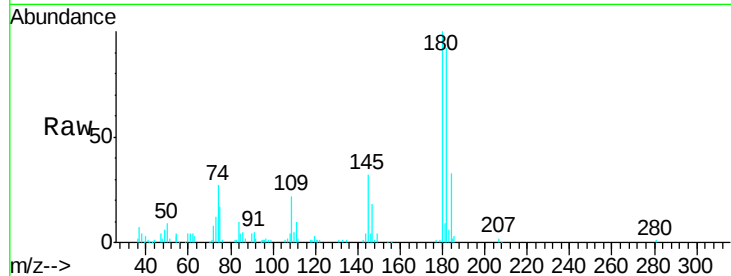




#93
 1,2,4-Trichlorobenzene
 Concen: 19.742 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

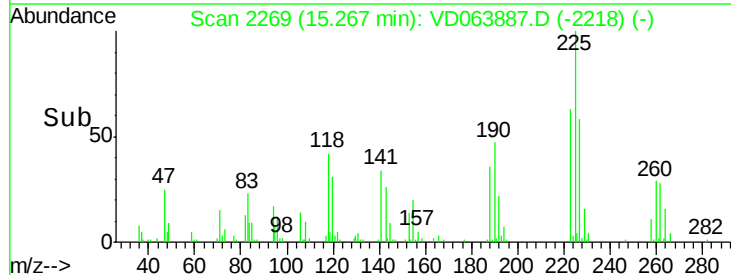
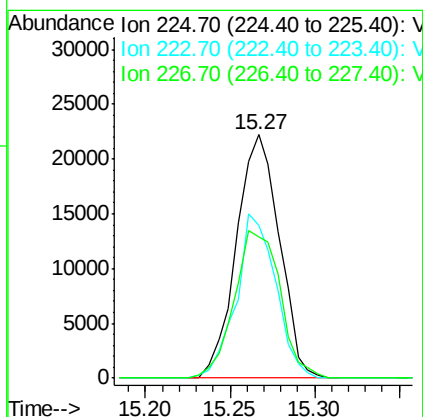
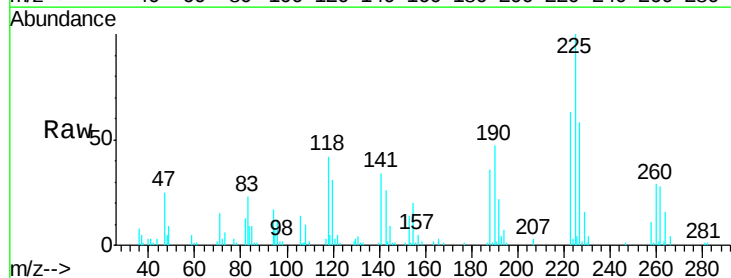
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBSD01

Tgt Ion:180 Resp: 70234
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.4 142.3
 145 28.3 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 20.007 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063887.D
 Acq: 04 Oct 2019 15:06

Tgt Ion:225 Resp: 39277
 Ion Ratio Lower Upper
 225 100
 223 62.2 29.5 88.6
 227 64.5 30.8 92.4

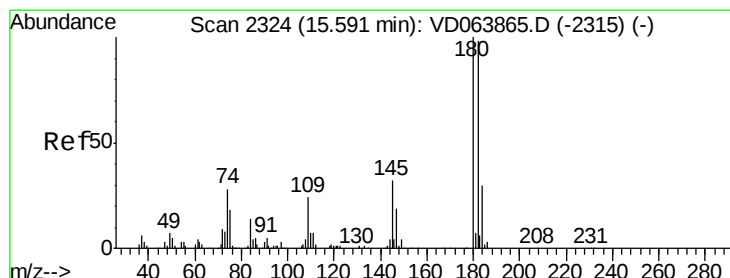
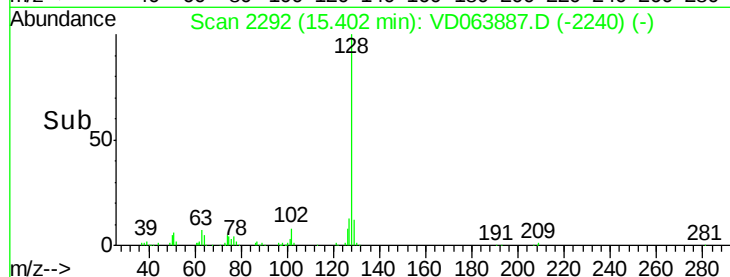
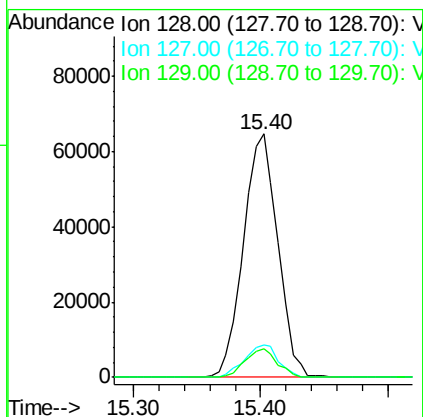
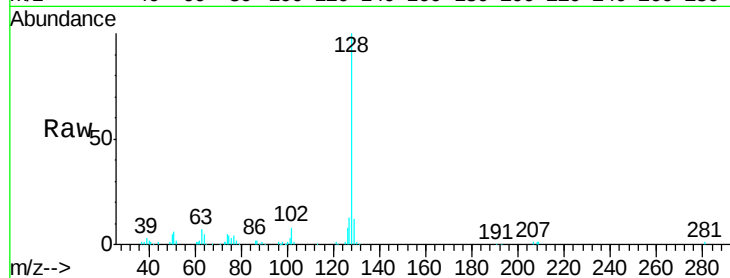




#95
Naphthalene
Concen: 20.334 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

Tgt Ion:128 Resp: 121587
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.932 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063887.D
Acq: 04 Oct 2019 15:06

Tgt Ion:180 Resp: 61181
Ion Ratio Lower Upper
180 100
182 97.0 47.0 141.0
145 33.1 15.3 45.9

