

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100419\
 Data File : VD063886.D
 Acq On : 04 Oct 2019 14:38
 Operator : VA/SY
 Sample : VD1004SBS01
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Quant Time: Oct 05 02:17:39 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	197646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	318687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	312802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	162872	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	88523	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	7.91	113	89343	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	
50) Toluene-d8	10.34	98	370940	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
62) 4-Bromofluorobenzene	12.63	95	124605	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	28007	19.981 ug/l	100
3) Chloromethane	2.21	50	86031	20.041 ug/l	96
4) Vinyl Chloride	2.35	62	91837	20.272 ug/l	98
5) Bromomethane	2.76	94	49910	17.137 ug/l	94
6) Chloroethane	2.91	64	59958	20.013 ug/l	99
7) Trichlorofluoromethane	3.27	101	121999	20.369 ug/l	96
8) Diethyl Ether	3.70	74	20249	21.063 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	34396	20.746 ug/l	97
10) Methyl Iodide	4.29	142	44947	19.674 ug/l	99
11) Tert butyl alcohol	5.24	59	771	5.649 ug/l #	1
12) 1,1-Dichloroethene	4.06	96	34558	20.863 ug/l	88
13) Acrolein	3.91	56	15828	92.098 ug/l	83
14) Allyl chloride	4.71	41	56329	20.454 ug/l	99
15) Acrylonitrile	5.43	53	44066	103.965 ug/l	96
16) Acetone	4.16	43	44837	89.498 ug/l	93
17) Carbon Disulfide	4.40	76	117959	19.590 ug/l	97
18) Methyl Acetate	4.72	43	19864	20.272 ug/l #	80
19) Methyl tert-butyl Ether	5.48	73	87031	20.290 ug/l	99
20) Methylene Chloride	4.96	84	52904	20.576 ug/l	91
21) trans-1,2-Dichloroethene	5.46	96	40905	19.837 ug/l	93
22) Diisopropyl ether	6.36	45	113067	20.103 ug/l	94
23) Vinyl Acetate	6.31	43	344948	103.096 ug/l	97
24) 1,1-Dichloroethane	6.26	63	71079	20.517 ug/l	98
25) 2-Butanone	7.22	43	59642	100.455 ug/l #	89
26) 2,2-Dichloropropane	7.21	77	64602	20.614 ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	49365	21.150 ug/l	97
28) Bromochloromethane	7.55	49	24829	19.128 ug/l	93
29) Tetrahydrofuran	7.57	42	33761	97.422 ug/l	100
30) Chloroform	7.71	83	76327	20.285 ug/l	95
31) Cyclohexane	7.98	56	67055	20.642 ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	66995	20.756 ug/l	98
36) 1,1-Dichloropropene	8.11	75	57489	19.730 ug/l	97
37) Ethyl Acetate	7.30	43	23066	17.443 ug/l	96
38) Carbon Tetrachloride	8.10	117	59671	20.265 ug/l	95

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 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	72893	20.346	ug/l	93
40) Benzene	8.35	78	172323	20.637	ug/l	91
41) Methacrylonitrile	7.53	41	12838	19.003	ug/l	95
42) 1,2-Dichloroethane	8.43	62	48423	20.047	ug/l	99
43) Isopropyl Acetate	8.46	43	49331	20.187	ug/l	98
44) Trichloroethene	9.11	130	48810	20.271	ug/l	99
45) 1,2-Dichloropropane	9.39	63	42347	20.719	ug/l	97
46) Dibromomethane	9.48	93	22950	19.717	ug/l	97
47) Bromodichloromethane	9.66	83	59324	19.796	ug/l	99
48) Methyl methacrylate	9.46	41	21826	18.641	ug/l	89
49) 1,4-Dioxane	9.46	88	6555	412.566	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	129881	102.484	ug/l	96
52) Toluene	10.40	92	113241	19.755	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	59692	20.412	ug/l #	85
54) cis-1,3-Dichloropropene	10.08	75	67989	20.197	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	34006	20.691	ug/l	89
56) Ethyl methacrylate	10.66	69	41339	19.863	ug/l	97
57) 1,3-Dichloropropane	10.95	76	57825	20.564	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	85081	95.105	ug/l	99
59) 2-Hexanone	10.98	43	93208	101.672	ug/l	97
60) Dibromochloromethane	11.14	129	42326	19.782	ug/l	99
61) 1,2-Dibromoethane	11.24	107	32557	20.434	ug/l	97
64) Tetrachloroethene	10.87	164	42538	19.920	ug/l	97
65) Chlorobenzene	11.67	112	131101	20.870	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	44914	19.403	ug/l	99
67) Ethyl Benzene	11.74	91	227527	20.086	ug/l	97
68) m/p-Xylenes	11.85	106	178796	40.894	ug/l	99
69) o-Xylene	12.18	106	83483	19.941	ug/l	100
70) Styrene	12.19	104	143714	20.278	ug/l	99
71) Bromoform	12.36	173	25094	20.200	ug/l #	96
73) Isopropylbenzene	12.48	105	227020	20.734	ug/l	98
74) N-amyl acetate	12.29	43	49819	21.133	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	39573	20.770	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	51033	46.782	ug/l #	100
77) Bromobenzene	12.76	156	53834	19.735	ug/l	95
78) n-propylbenzene	12.82	91	274042	21.323	ug/l	96
79) 2-Chlorotoluene	12.91	91	149029	21.030	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	190318	20.835	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.53	75	12322	19.989	ug/l	97
82) 4-Chlorotoluene	13.01	91	157372	20.934	ug/l	98
83) tert-Butylbenzene	13.22	119	167075	20.552	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	188305	19.996	ug/l	98
85) sec-Butylbenzene	13.40	105	229060	20.864	ug/l	99
86) p-Isopropyltoluene	13.51	119	217389	20.925	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	107968	20.031	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	109963	20.680	ug/l	97
89) n-Butylbenzene	13.84	91	203565	21.051	ug/l	98
90) Hexachloroethane	14.11	117	38107	20.395	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	98235	21.149	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6575	19.947	ug/l	95

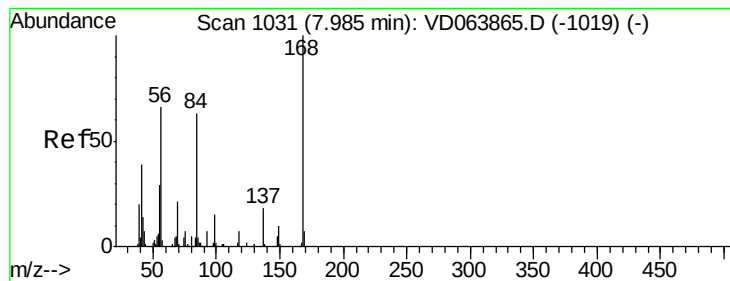
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD100419\
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Quant Title : SW846 8260
QLast Update : Fri Oct 04 01:55:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	71348	19.907	ug/l	99
94) Hexachlorobutadiene	15.27	225	38656	19.545	ug/l	95
95) Naphthalene	15.40	128	126032	20.921	ug/l	99
96) 1,2,3-Trichlorobenzene	15.59	180	62724	20.284	ug/l	97

(#) = 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: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

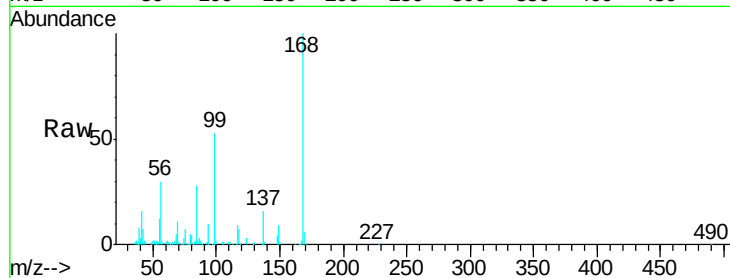
VD1004SBS01

Tgt Ion:168 Resp: 197646

Ion Ratio Lower Upper

168 100

99 53.0 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

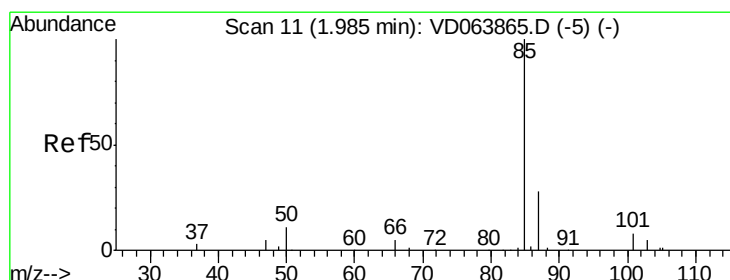
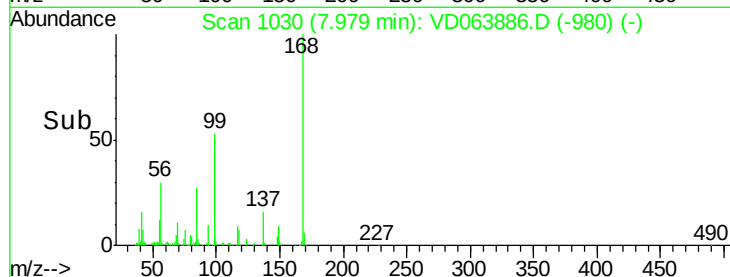
40000

20000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.981 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063886.D

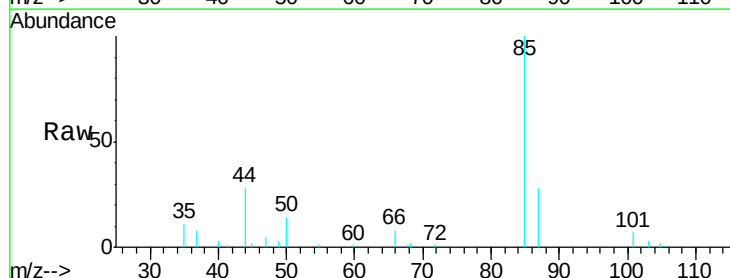
Acq: 04 Oct 2019 14:38

Tgt Ion: 85 Resp: 28007

Ion Ratio Lower Upper

85 100

87 28.1 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

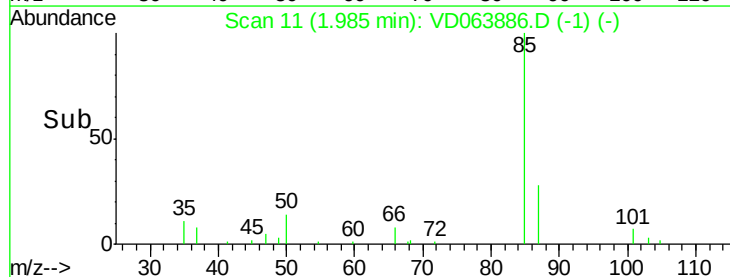
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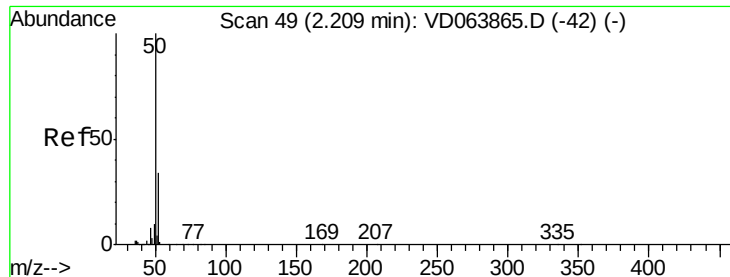
5000

0

Time-->

1.90 1.95 2.00 2.05





#3

Chloromethane

Concen: 20.041 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

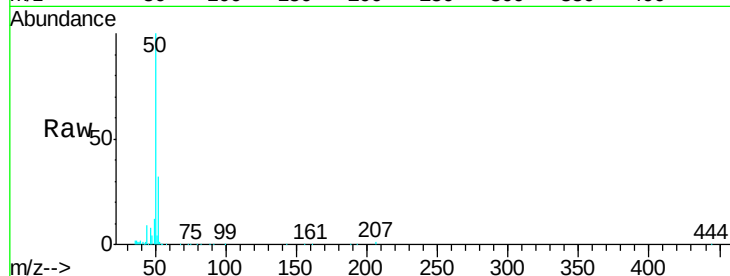
VD1004SBS01

Tgt Ion: 50 Resp: 86031

Ion Ratio Lower Upper

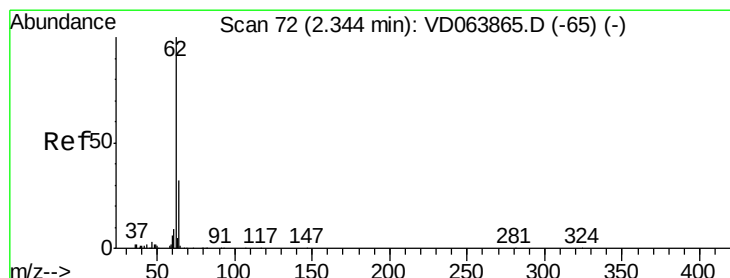
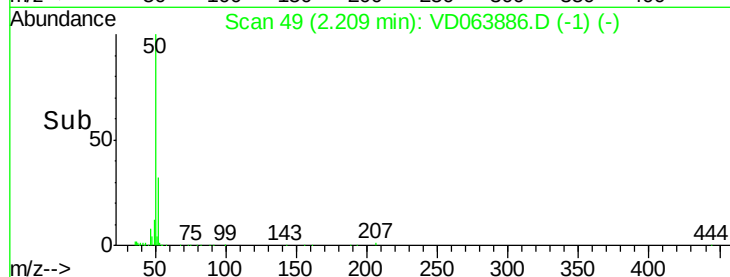
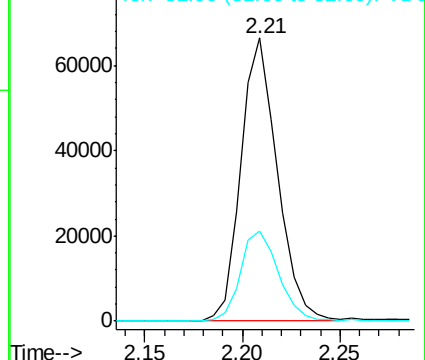
50 100

52 32.1 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: 20.272 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063886.D

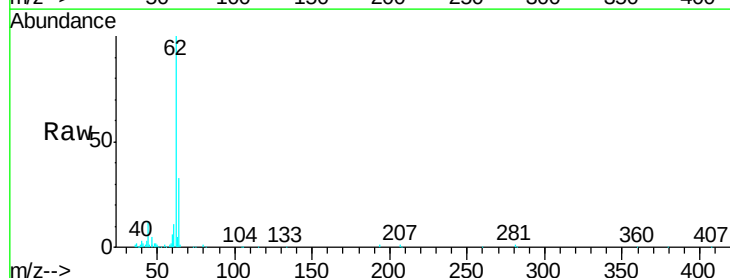
Acq: 04 Oct 2019 14:38

Tgt Ion: 62 Resp: 91837

Ion Ratio Lower Upper

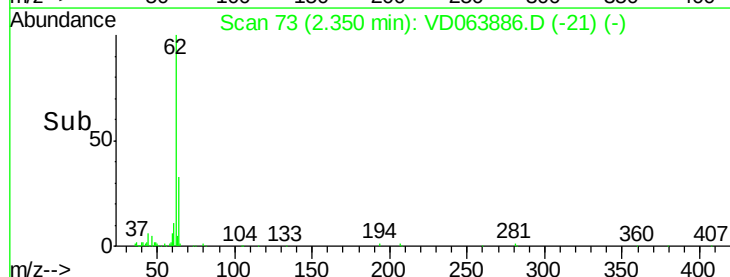
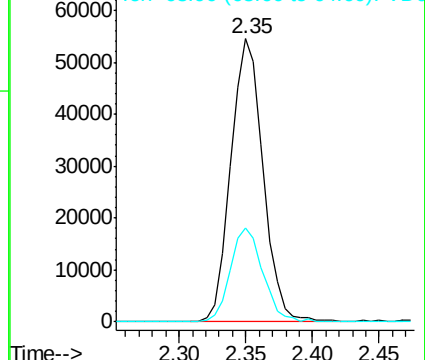
62 100

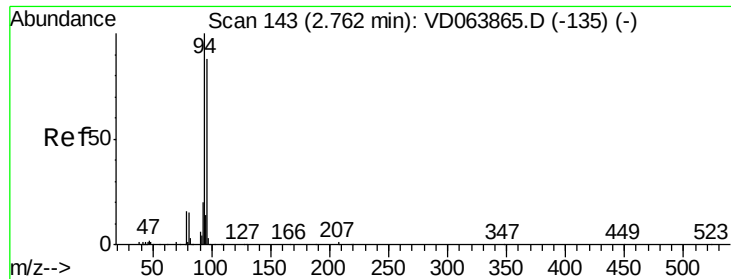
64 33.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 17.137 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

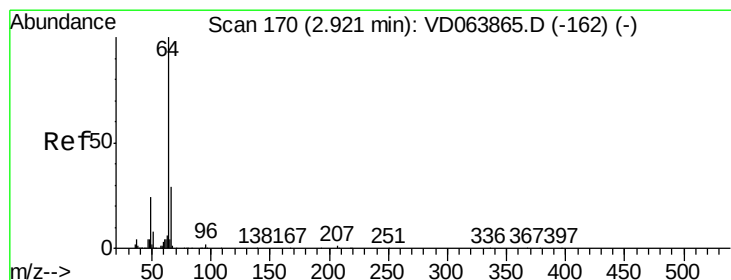
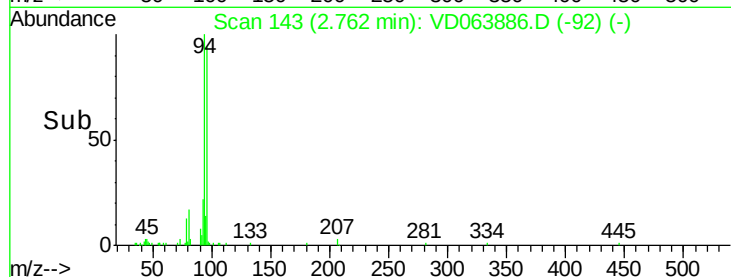
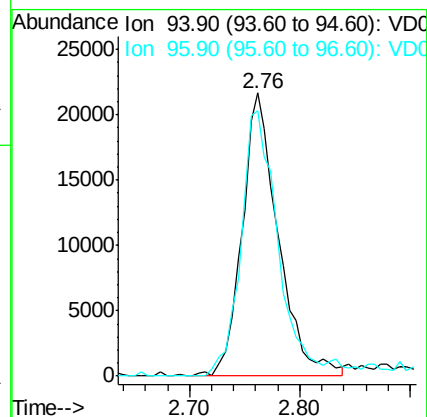
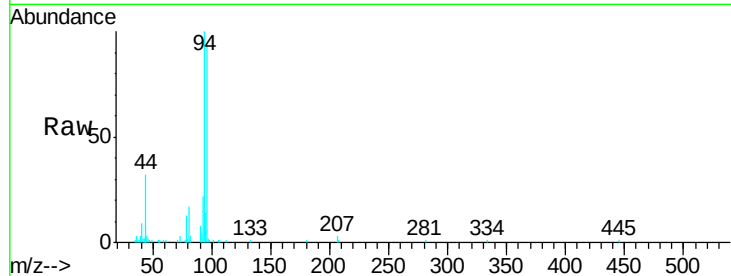
VD1004SBS01

Tgt Ion: 94 Resp: 49910

Ion Ratio Lower Upper

94 100

96 93.8 70.8 106.2



#6

Chloroethane

Concen: 20.013 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD063886.D

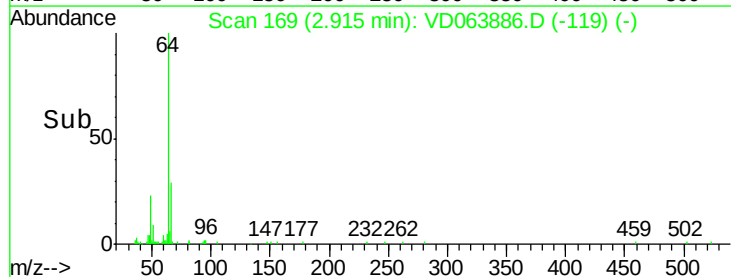
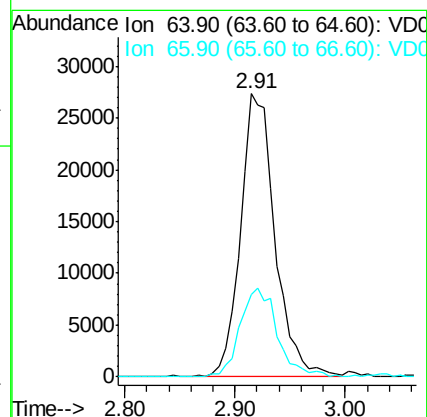
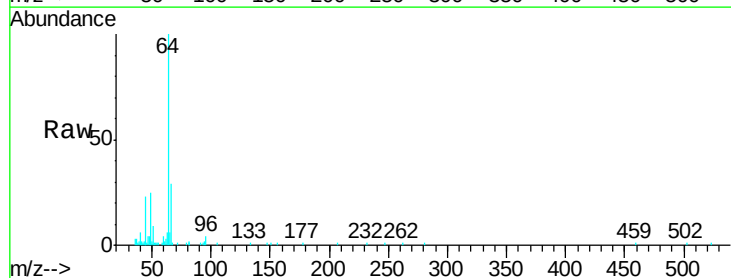
Acq: 04 Oct 2019 14:38

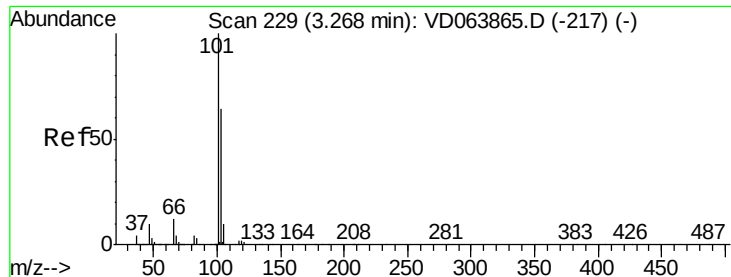
Tgt Ion: 64 Resp: 59958

Ion Ratio Lower Upper

64 100

66 29.0 23.0 34.4



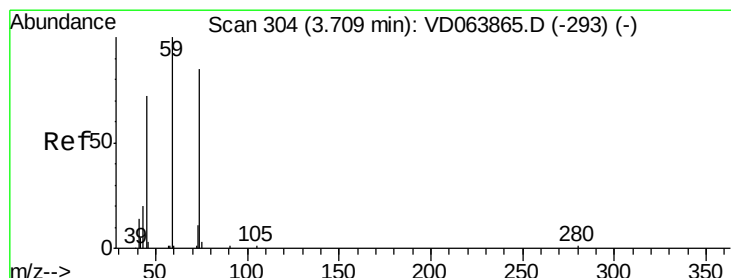
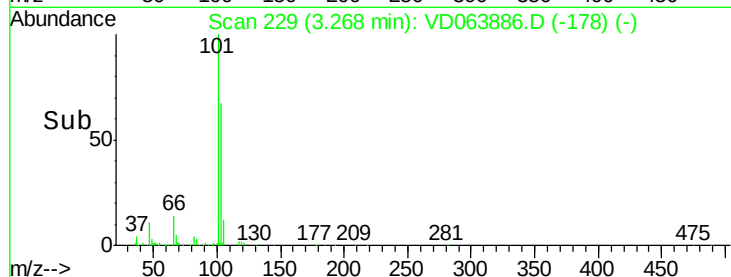
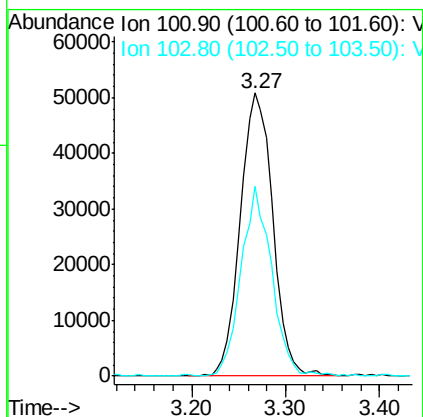
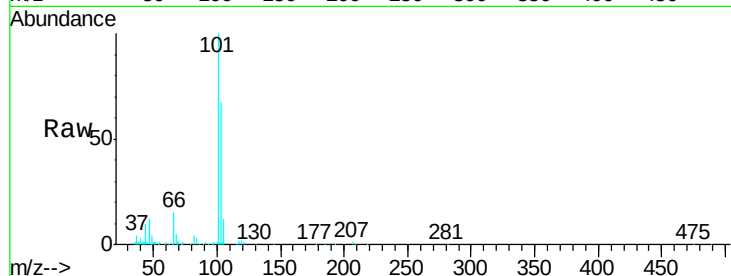


#7

Trichlorofluoromethane
 Concen: 20.369 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

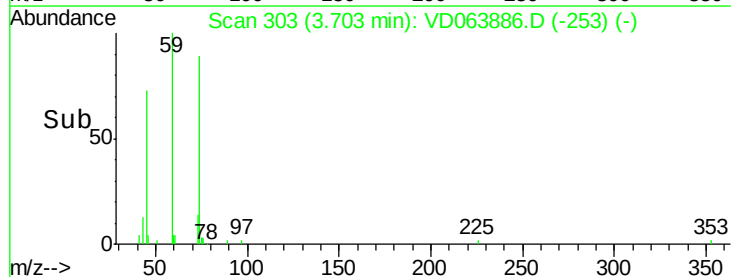
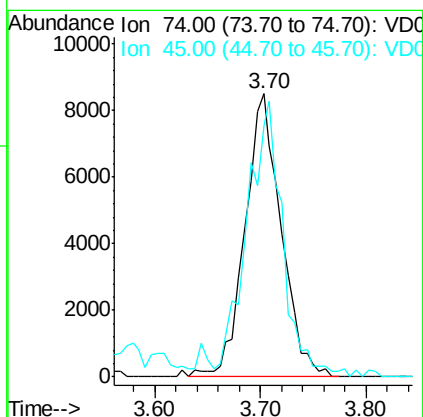
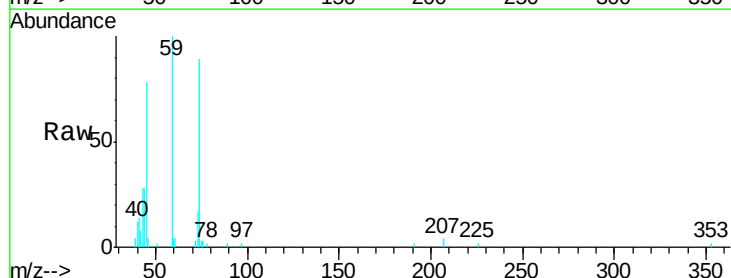
Tgt Ion:101 Resp: 121999
 Ion Ratio Lower Upper
 101 100
 103 66.7 51.1 76.7

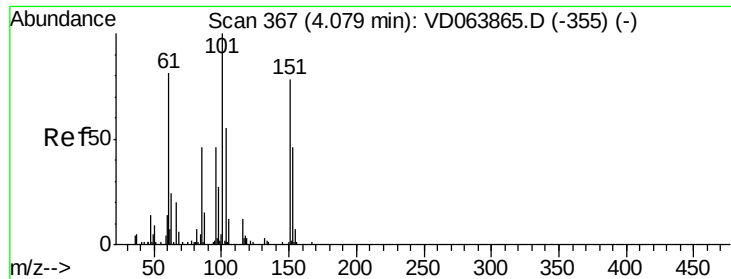


#8

Diethyl Ether
 Concen: 21.063 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion: 74 Resp: 20249
 Ion Ratio Lower Upper
 74 100
 45 97.3 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.746 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

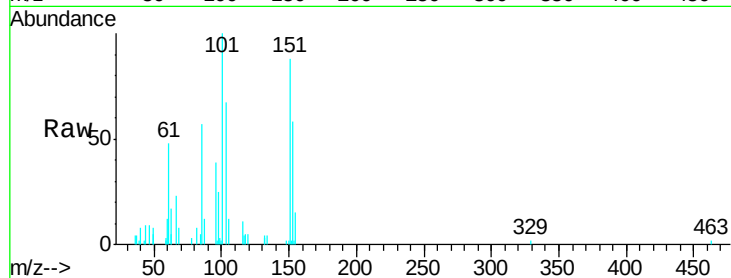
Tgt Ion:101 Resp: 34396

Ion Ratio Lower Upper

101 100

85 51.1 37.5 56.3

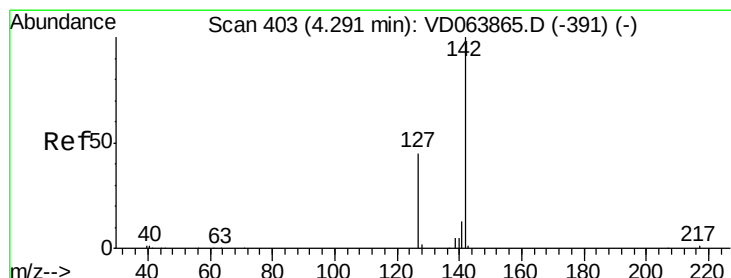
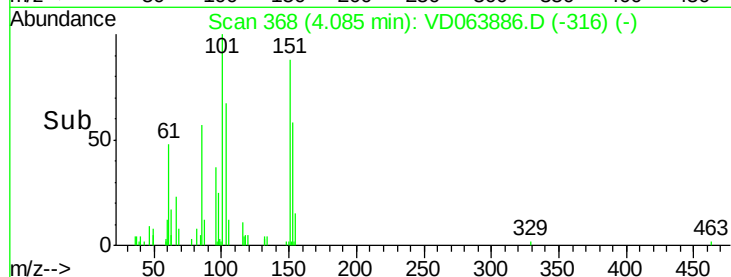
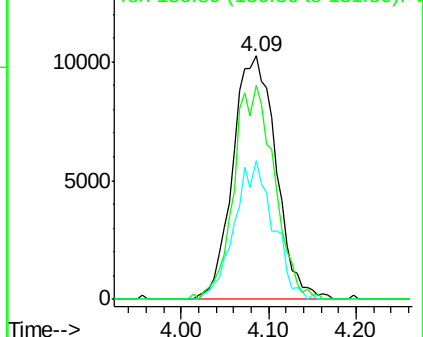
151 82.6 65.5 98.3



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: 19.674 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

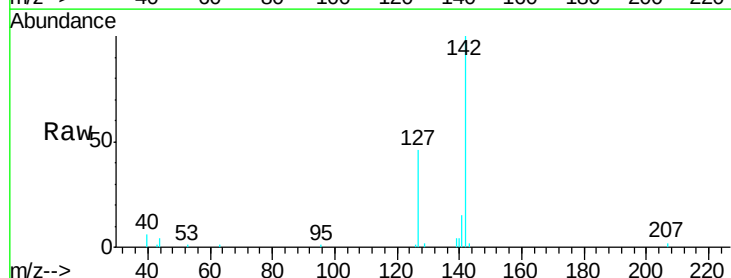
Tgt Ion:142 Resp: 44947

Ion Ratio Lower Upper

142 100

127 44.0 35.3 52.9

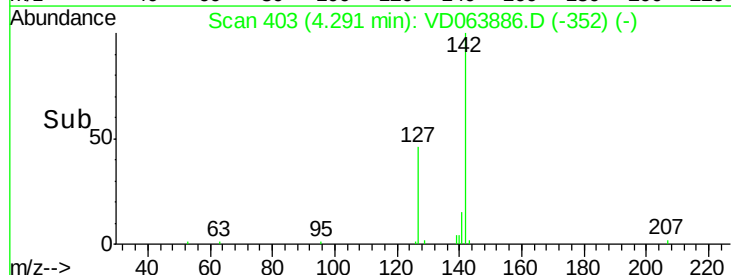
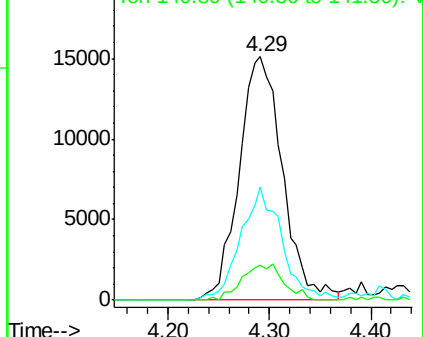
141 14.2 12.2 18.2

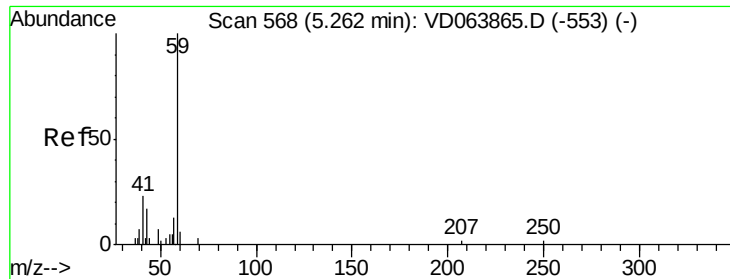


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

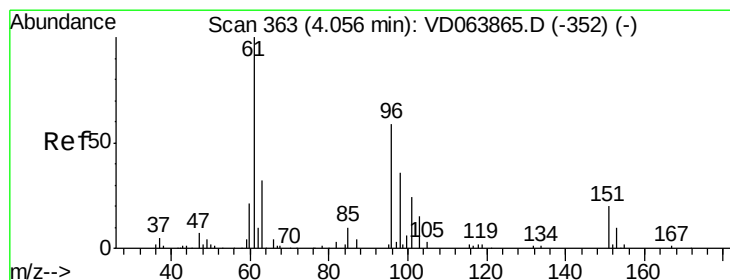
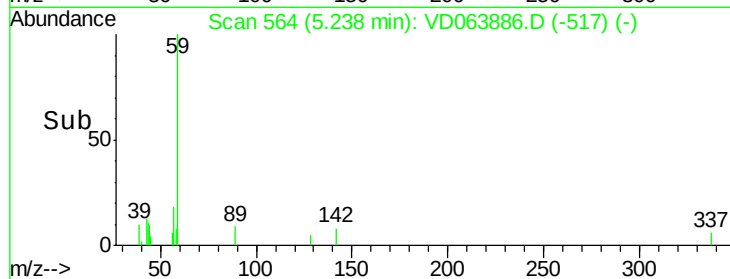
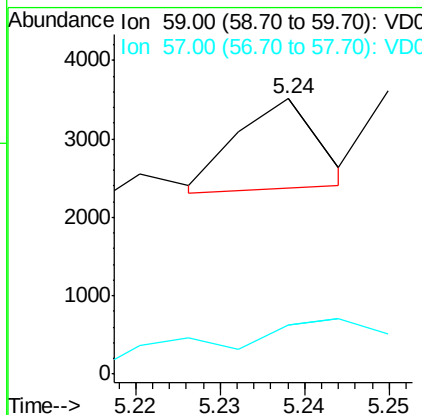
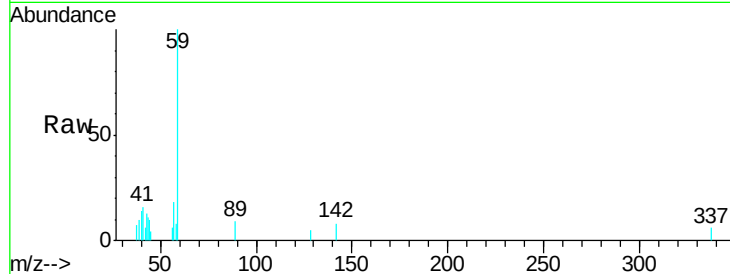




#11
Tert butyl alcohol
Concen: 5.649 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

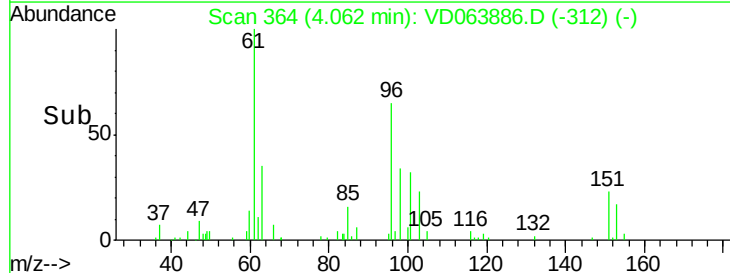
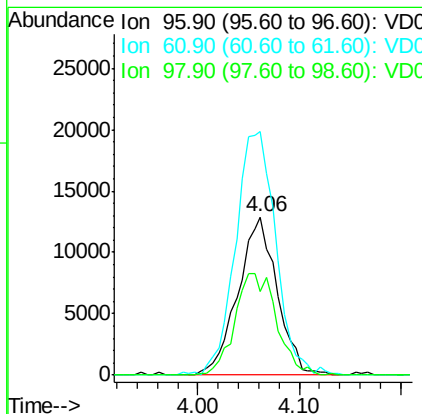
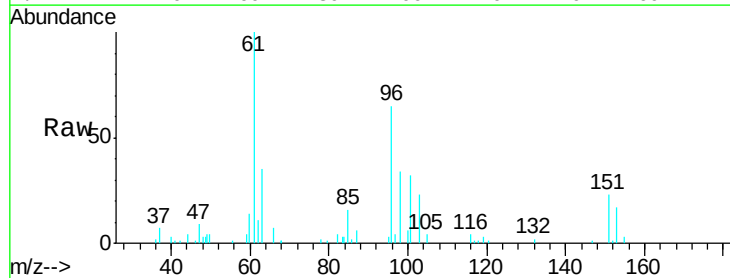
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

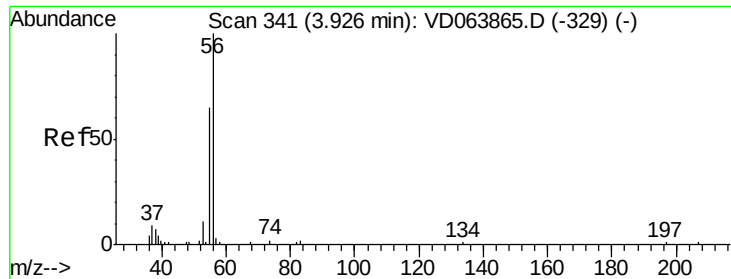
Tgt Ion: 59 Resp: 771
Ion Ratio Lower Upper
59 100
57 160.1 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 20.863 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 96 Resp: 34558
Ion Ratio Lower Upper
96 100
61 152.4 135.6 203.4
98 52.7 49.2 73.8





#13

Acrolein

Concen: 92.098 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

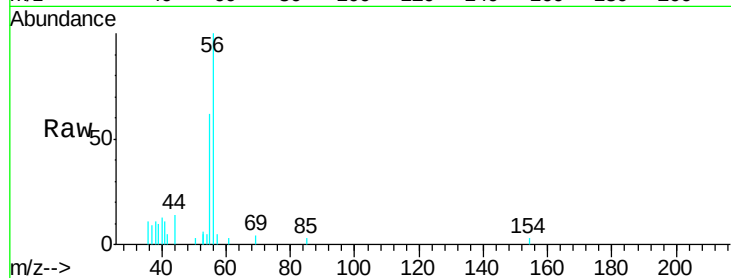
VD1004SBS01

Tgt Ion: 56 Resp: 15828

Ion Ratio Lower Upper

56 100

55 79.5 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

6000

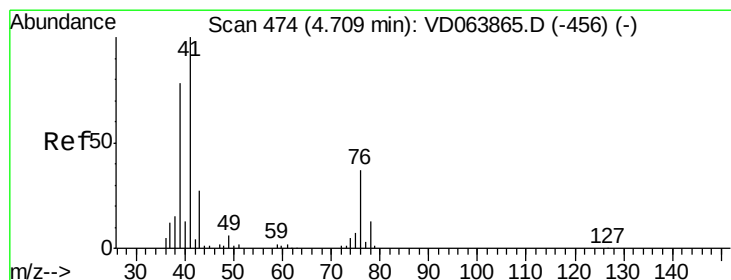
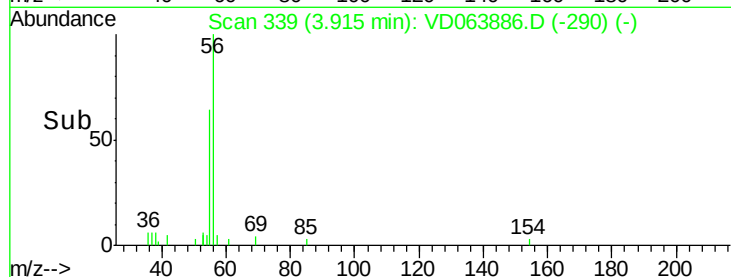
4000

2000

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 20.454 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

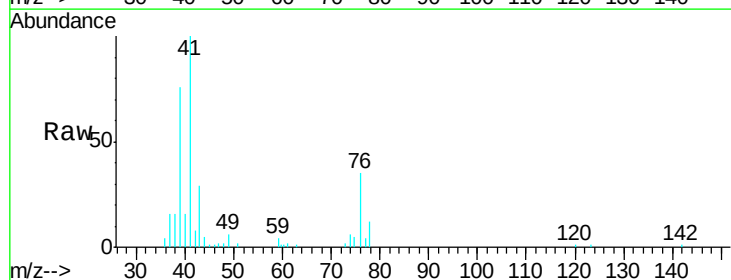
Tgt Ion: 41 Resp: 56329

Ion Ratio Lower Upper

41 100

39 76.0 61.8 92.6

76 38.4 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

25000

20000

15000

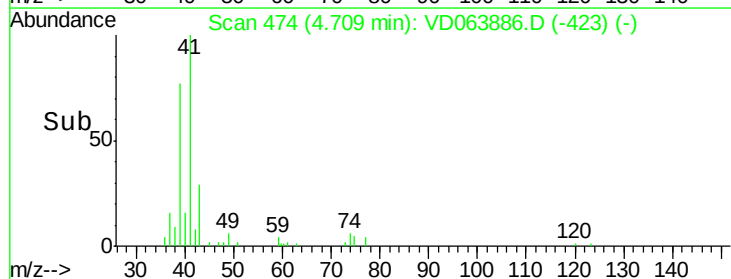
10000

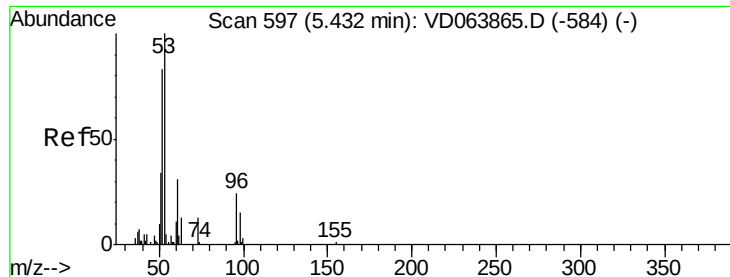
5000

0

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 103.965 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

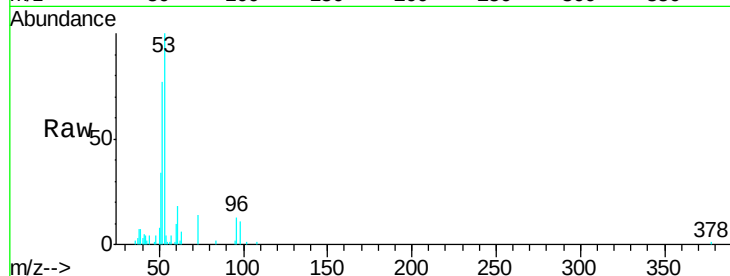
Tgt Ion: 53 Resp: 44066

Ion Ratio Lower Upper

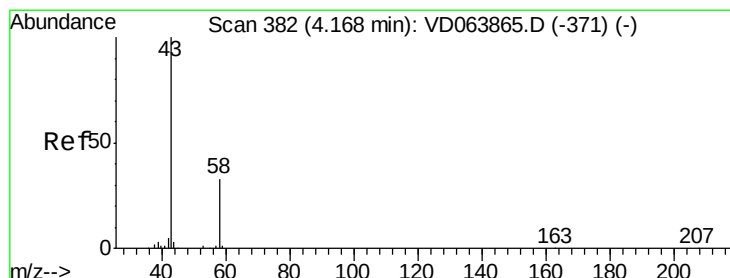
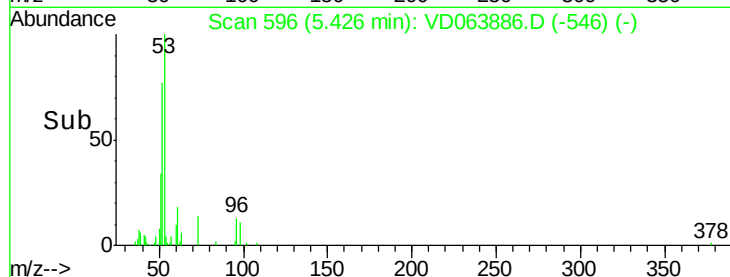
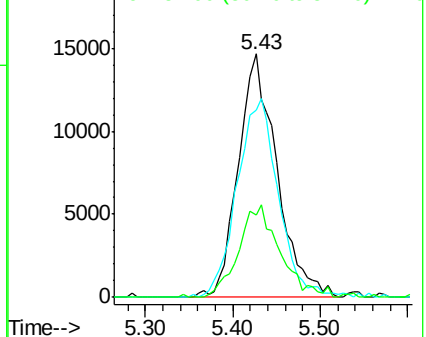
53 100

52 87.3 67.3 100.9

51 40.4 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: 89.498 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD063886.D

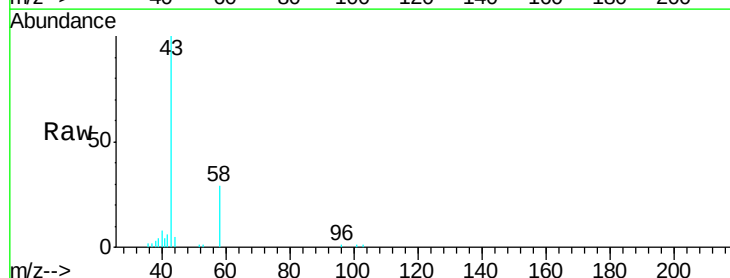
Acq: 04 Oct 2019 14:38

Tgt Ion: 43 Resp: 44837

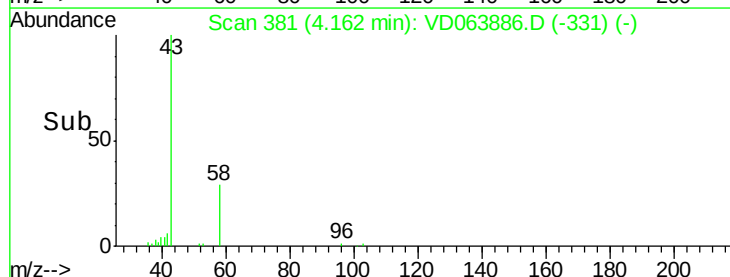
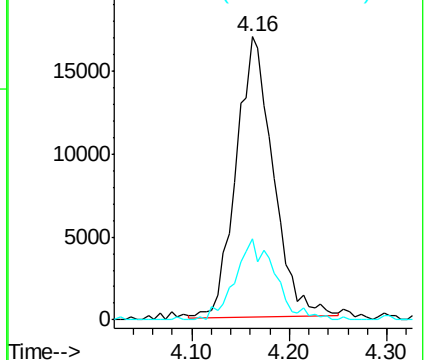
Ion Ratio Lower Upper

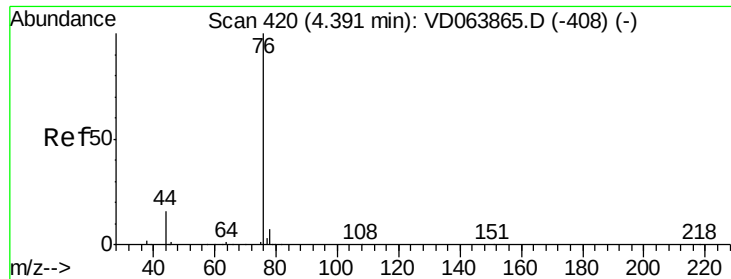
43 100

58 29.0 26.2 39.4



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

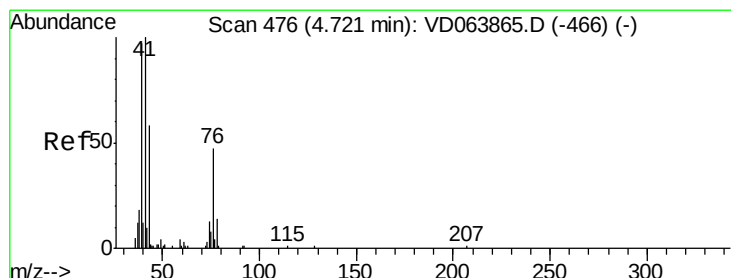
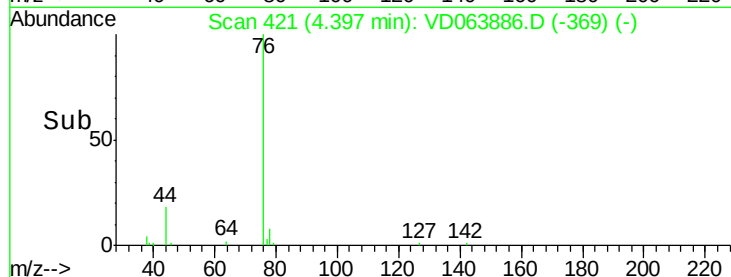
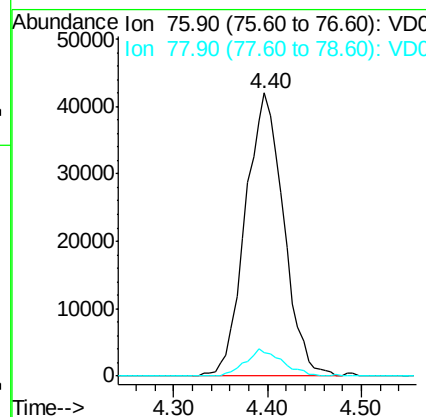
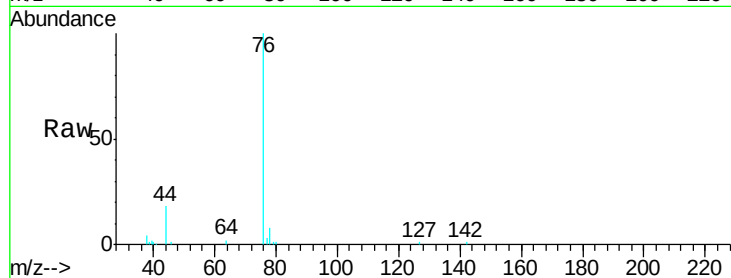




#17
Carbon Disulfide
Concen: 19.590 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

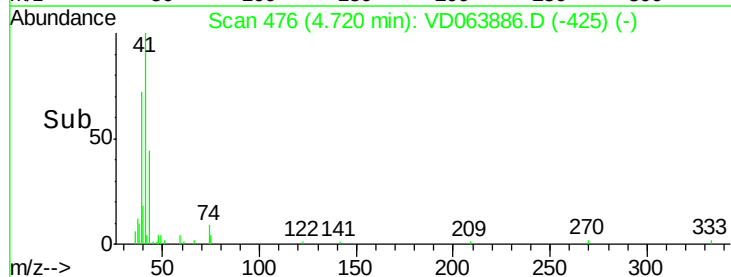
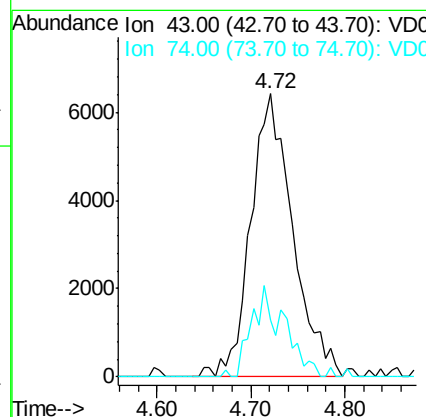
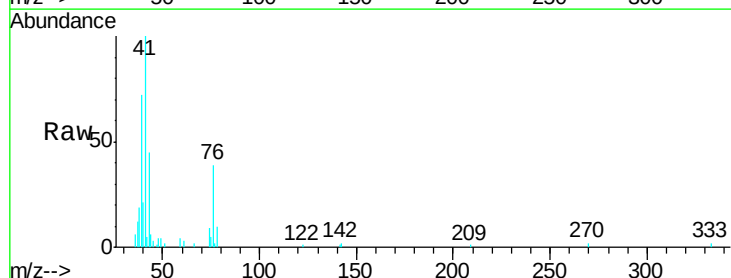
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

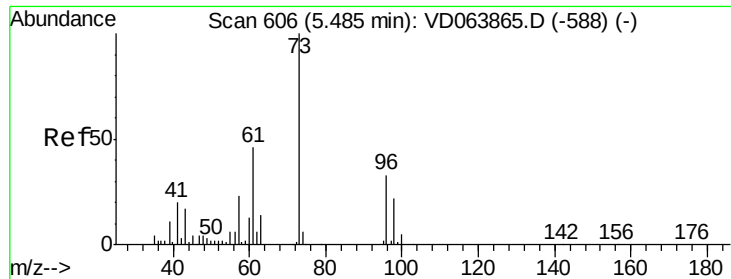
Tgt Ion: 76 Resp: 117959
Ion Ratio Lower Upper
76 100
78 8.4 5.8 8.8



#18
Methyl Acetate
Concen: 20.272 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 43 Resp: 19864
Ion Ratio Lower Upper
43 100
74 15.7 20.8 31.2#

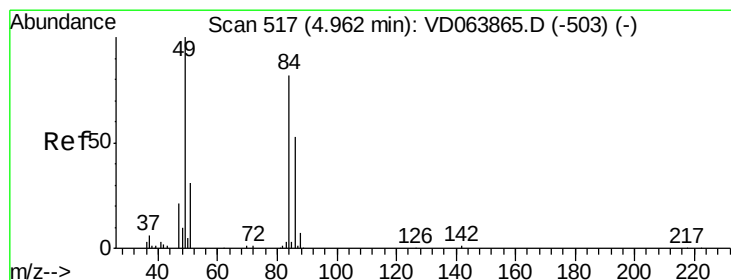
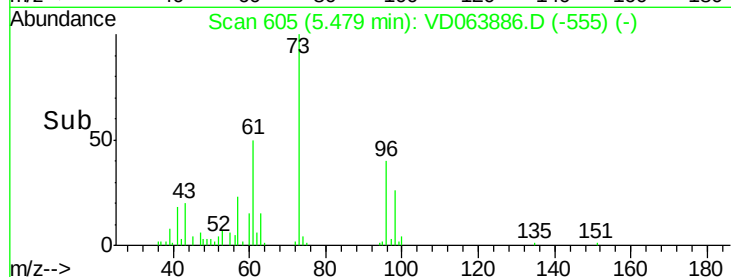
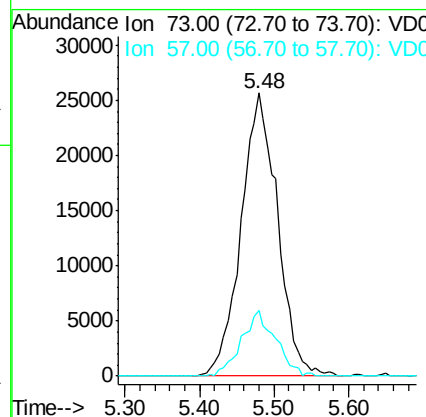
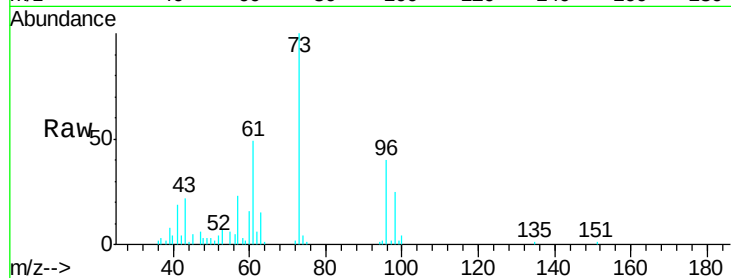




#19
Methyl tert-butyl Ether
Concen: 20.290 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

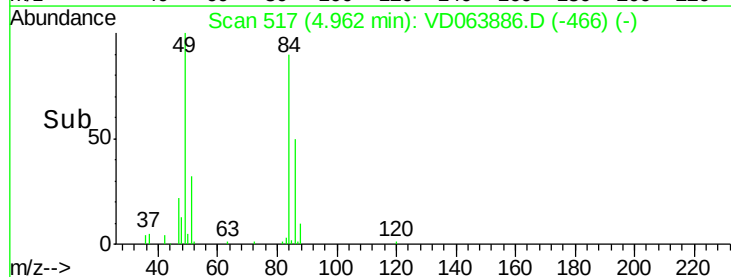
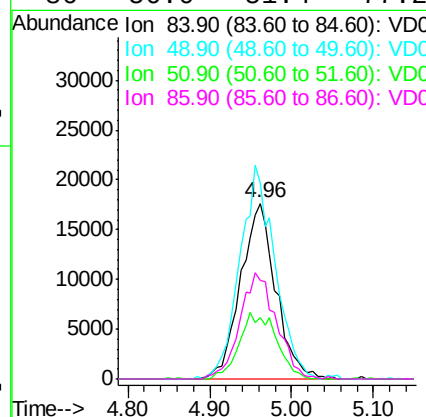
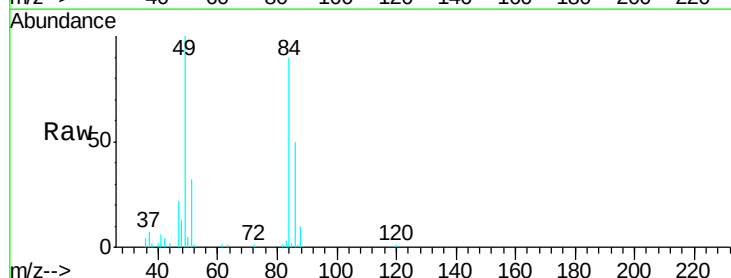
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

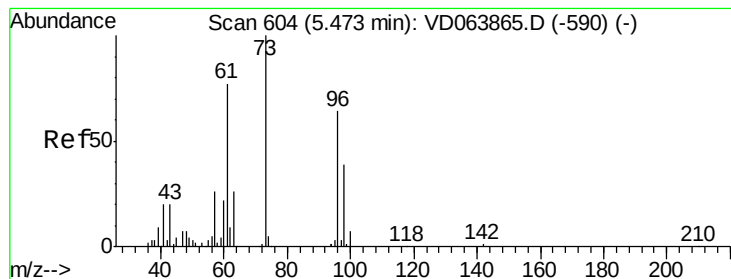
Tgt Ion: 73 Resp: 87031
Ion Ratio Lower Upper
73 100
57 23.2 18.1 27.1



#20
Methylene Chloride
Concen: 20.576 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 84 Resp: 52904
Ion Ratio Lower Upper
84 100
49 111.1 97.3 145.9
51 35.1 30.1 45.1
86 56.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 19.837 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

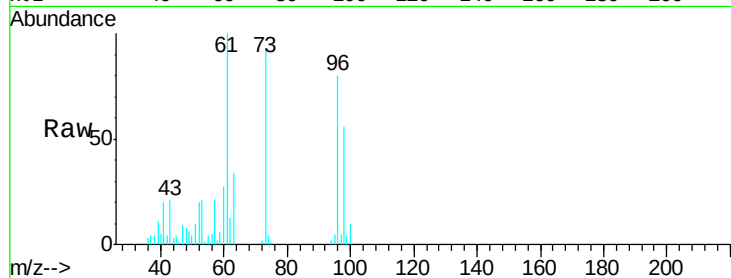
Tgt Ion: 96 Resp: 40905

Ion Ratio Lower Upper

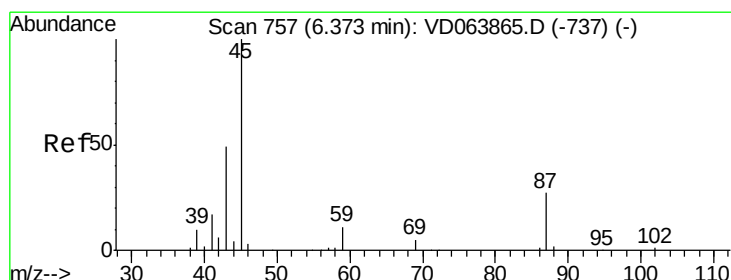
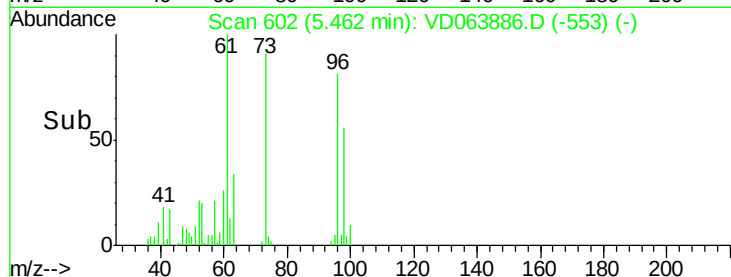
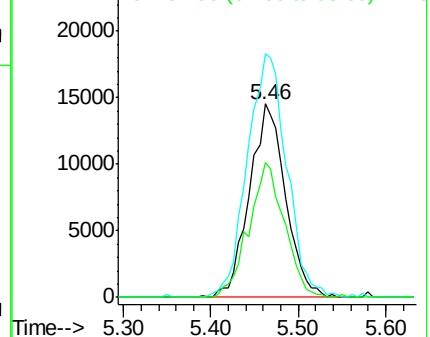
96 100

61 125.7 96.6 145.0

98 69.8 48.7 73.1



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.103 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Tgt Ion: 45 Resp: 113067

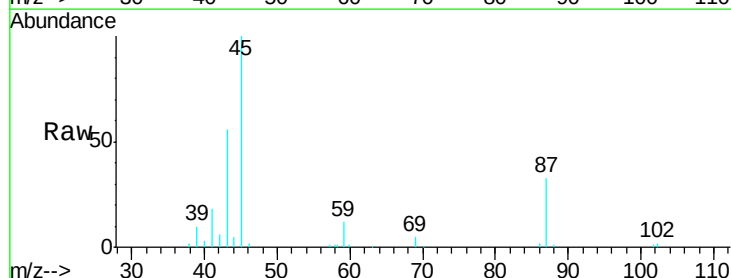
Ion Ratio Lower Upper

45 100

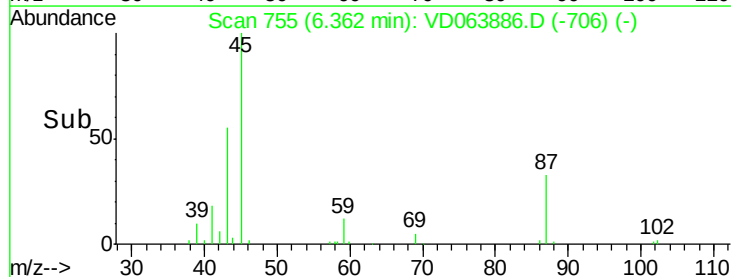
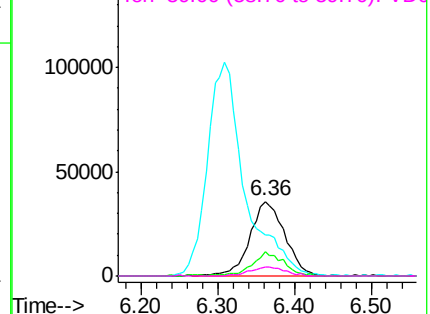
43 55.0 41.2 61.8

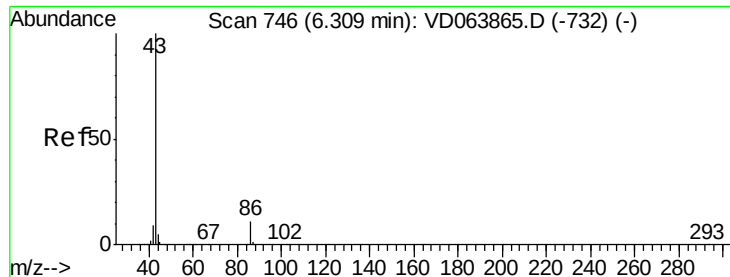
87 32.7 22.2 33.4

59 12.2 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 103.096 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

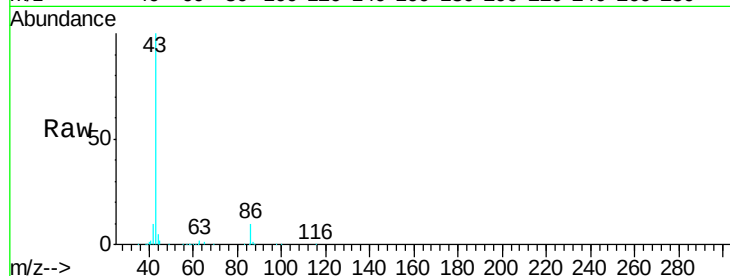
VD1004SBS01

Tgt Ion: 43 Resp: 344948

Ion Ratio Lower Upper

43 100

86 9.8 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

120000

100000

80000

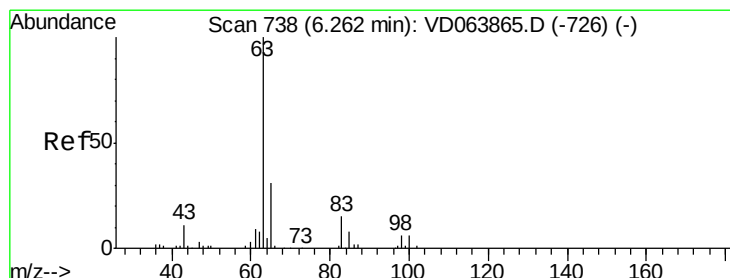
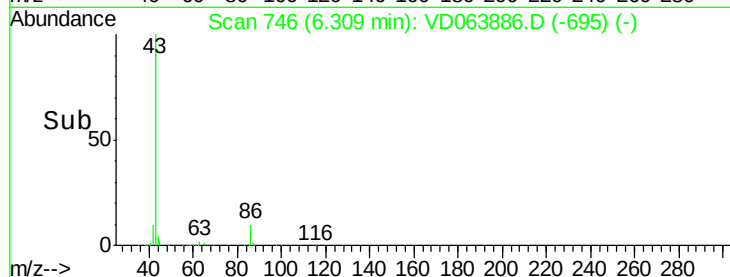
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.517 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

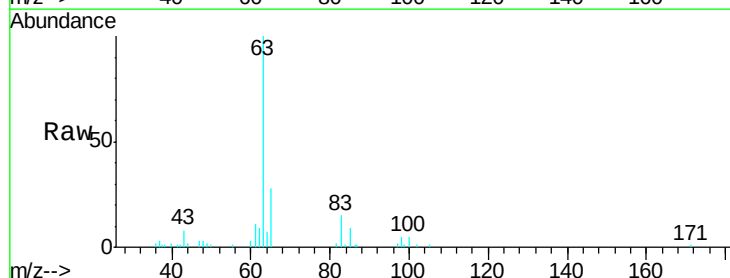
Tgt Ion: 63 Resp: 71079

Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.4

100 4.7 3.0 9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

30000

25000

20000

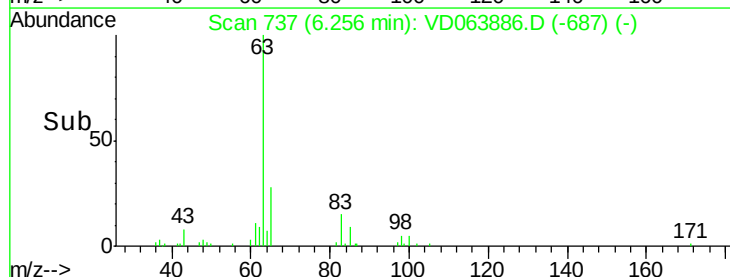
15000

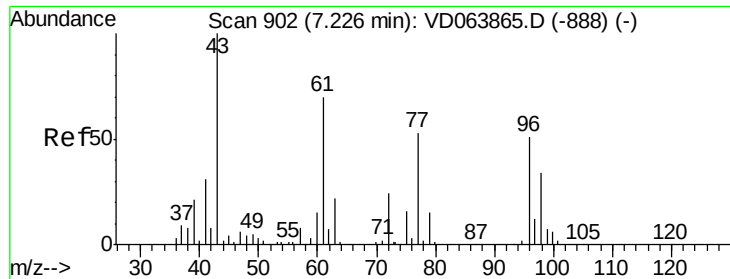
10000

5000

0

Time-->





#25

2-Butanone

Concen: 100.455 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

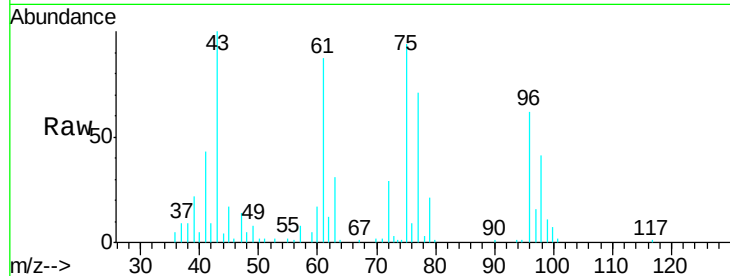
VD1004SBS01

Tgt Ion: 43 Resp: 59642

Ion Ratio Lower Upper

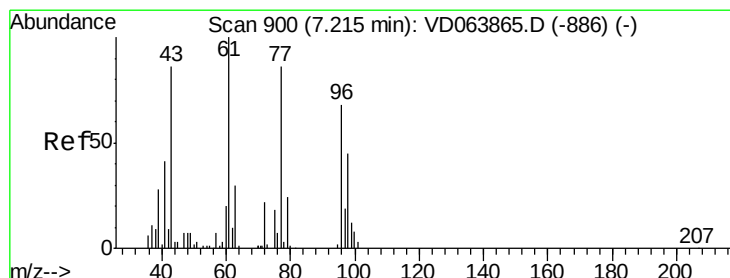
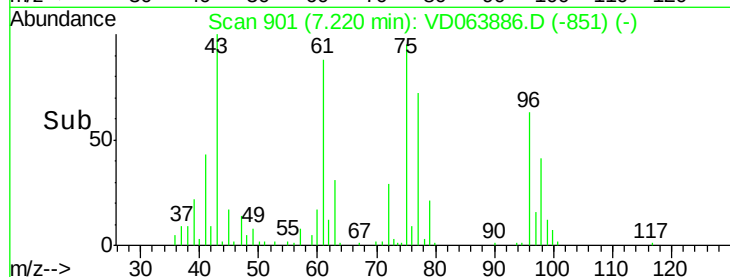
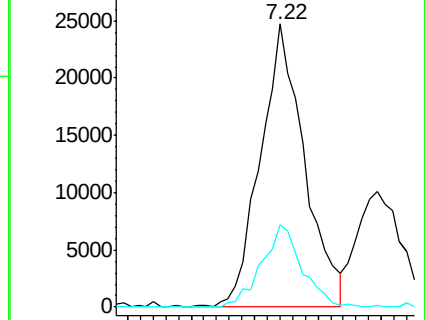
43 100

72 29.3 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.614 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063886.D

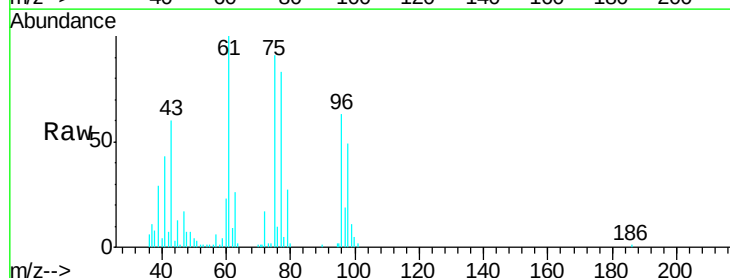
Acq: 04 Oct 2019 14:38

Tgt Ion: 77 Resp: 64602

Ion Ratio Lower Upper

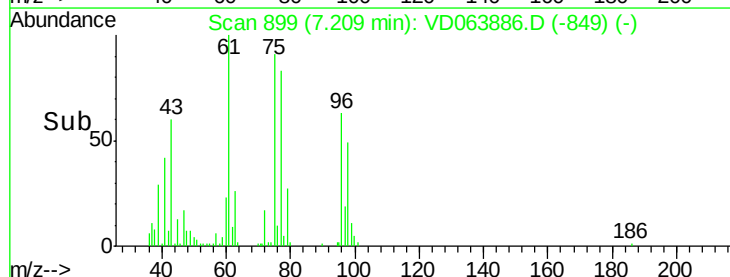
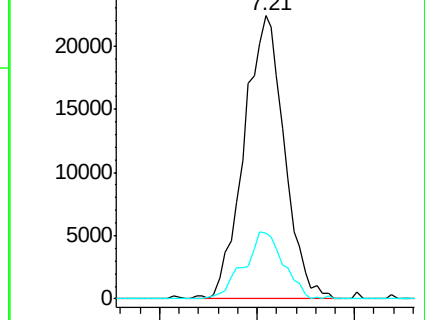
77 100

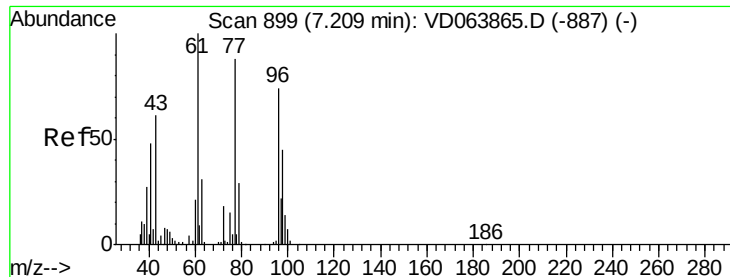
97 23.3 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



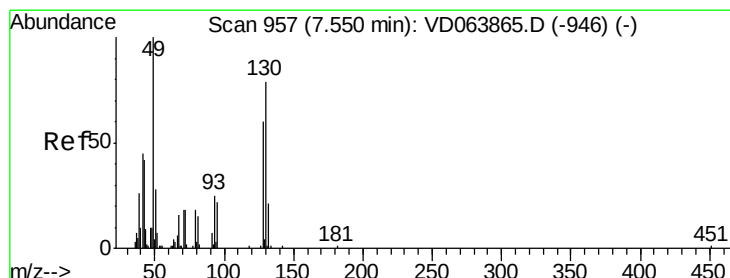
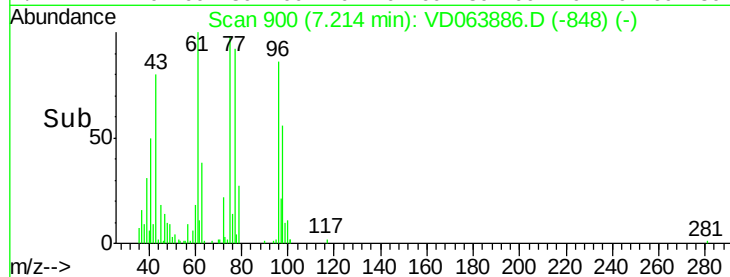
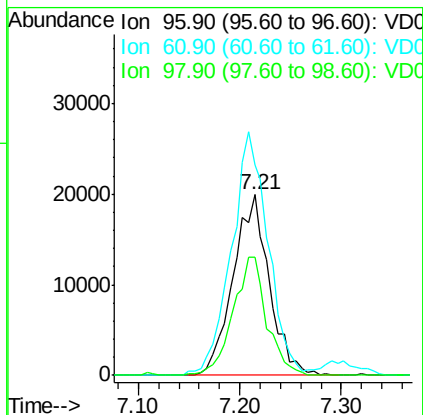
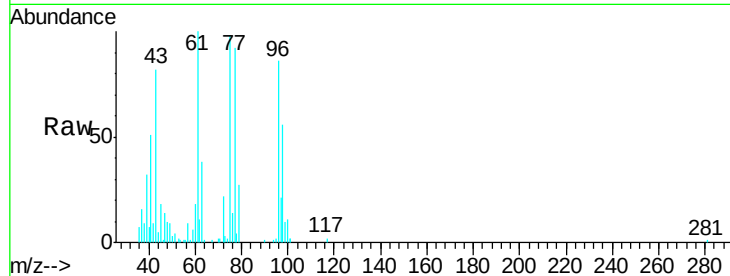


#27

cis-1,2-Dichloroethene
Concen: 21.150 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

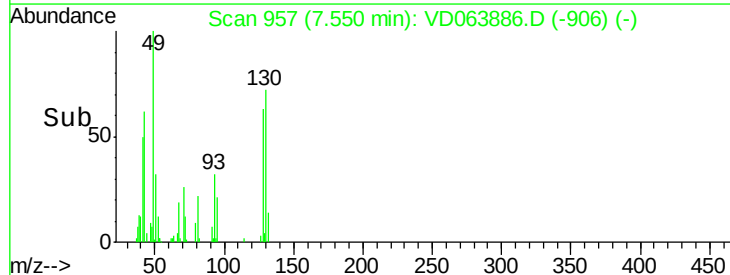
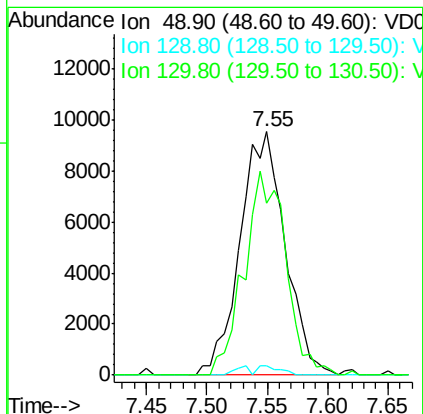
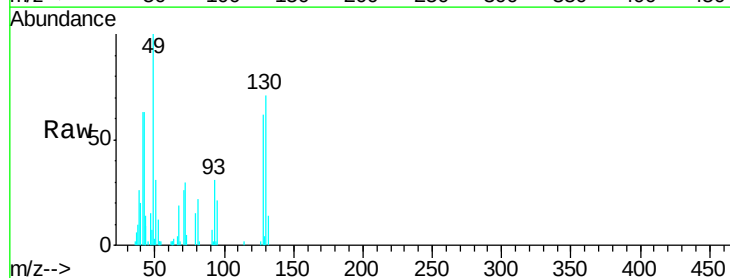
Tgt Ion: 96 Resp: 49365
Ion Ratio Lower Upper
96 100
61 137.3 0.0 280.0
98 61.1 0.0 130.4

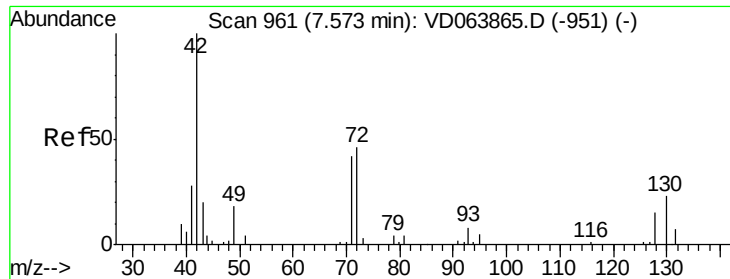


#28

Bromochloromethane
Concen: 19.128 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 49 Resp: 24829
Ion Ratio Lower Upper
49 100
129 1.9 0.0 5.6
130 77.1 66.8 100.2

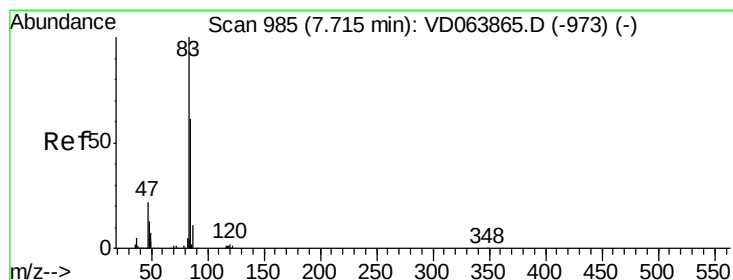
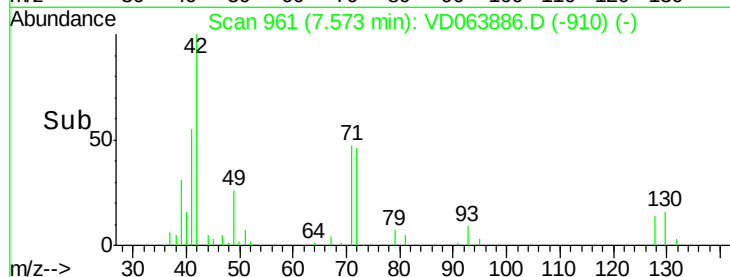
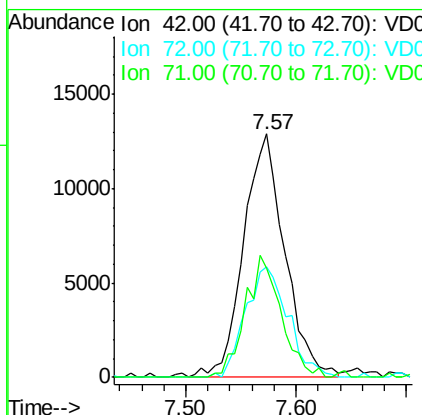
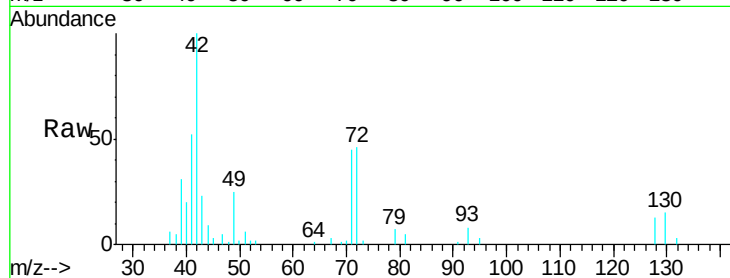




#29
Tetrahydrofuran
Concen: 97.422 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

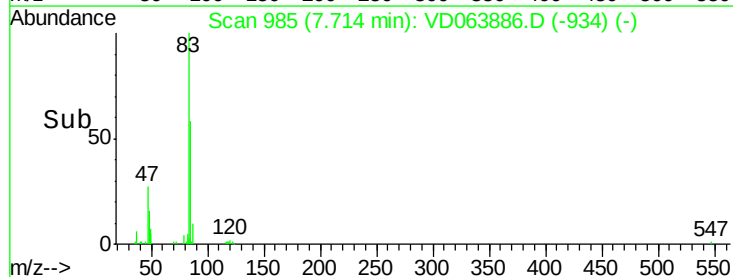
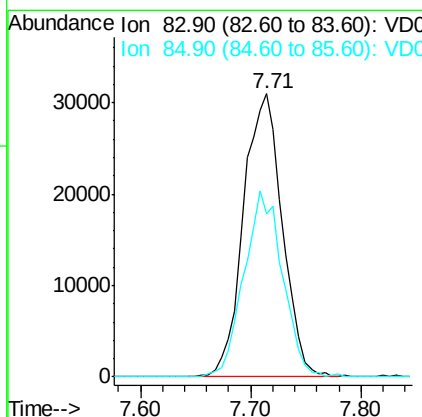
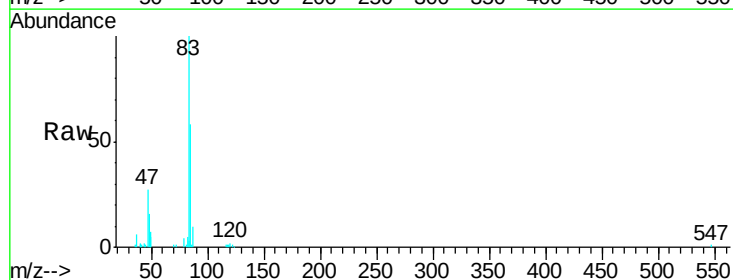
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

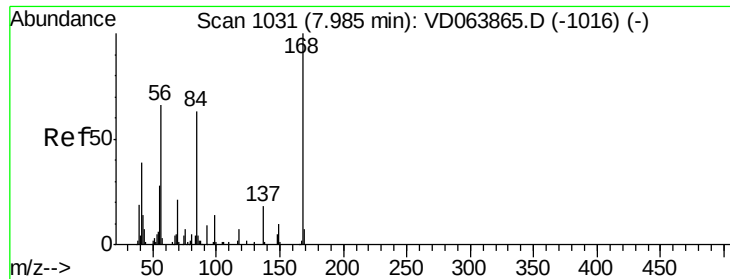
Tgt Ion: 42 Resp: 33761
Ion Ratio Lower Upper
42 100
72 46.8 37.6 56.4
71 43.4 35.0 52.6



#30
Chloroform
Concen: 20.285 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 83 Resp: 76327
Ion Ratio Lower Upper
83 100
85 57.5 48.9 73.3

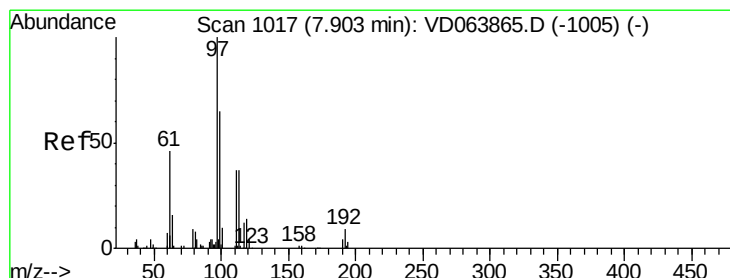
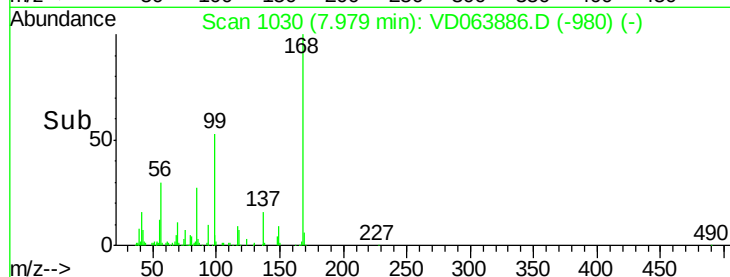
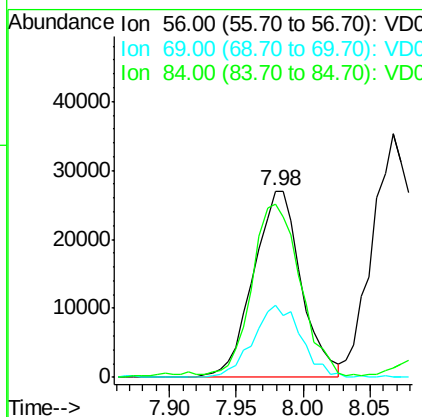
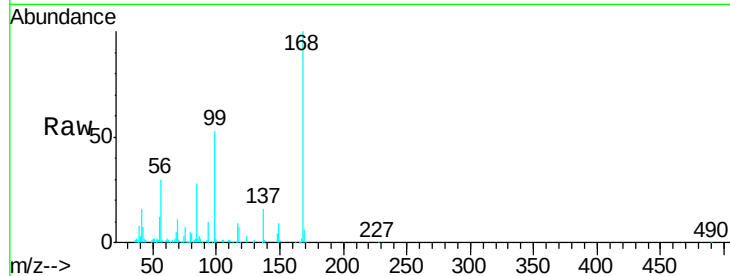




#31
Cyclohexane
Concen: 20.642 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

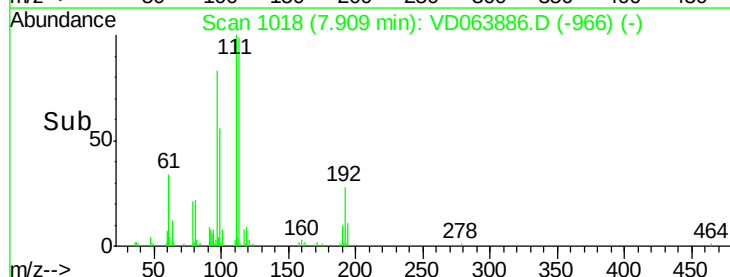
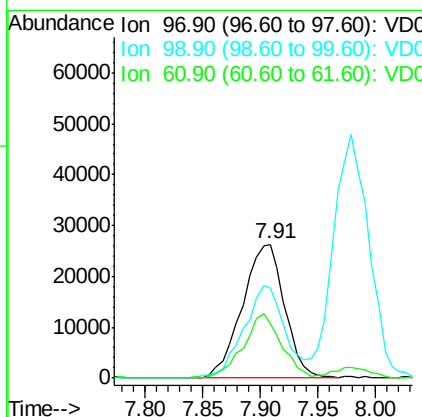
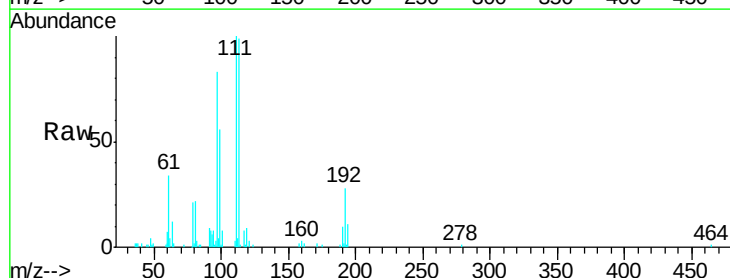
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

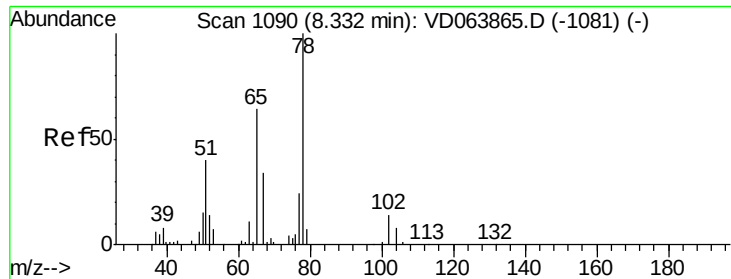
Tgt Ion: 56 Resp: 67055
Ion Ratio Lower Upper
56 100
69 38.4 25.0 37.4#
84 91.1 76.3 114.5



#32
1,1,1-Trichloroethane
Concen: 20.756 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 97 Resp: 66995
Ion Ratio Lower Upper
97 100
99 67.0 52.4 78.6
61 43.6 33.8 50.8

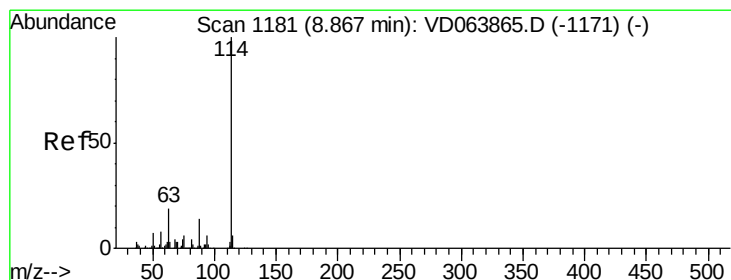
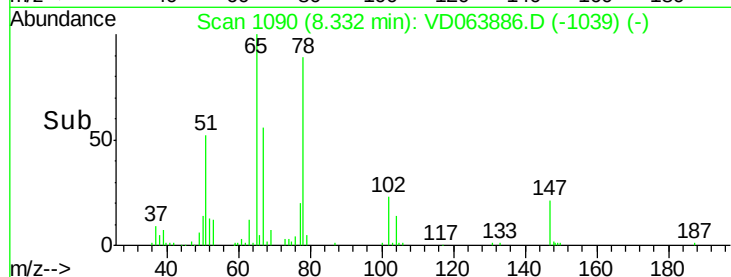
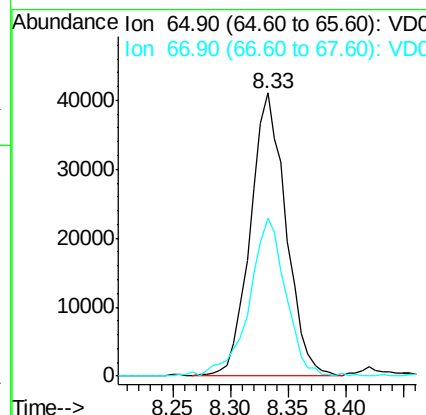
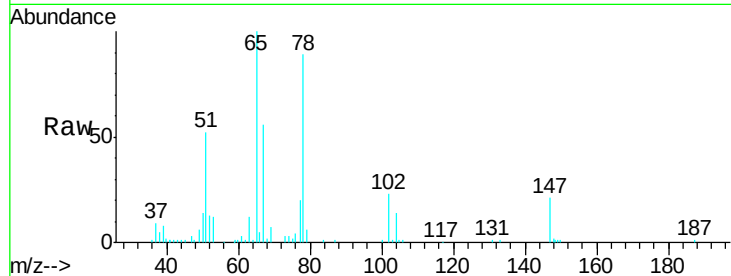




#33
 1,2-Dichloroethane-d4
 Concen: 46.004 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

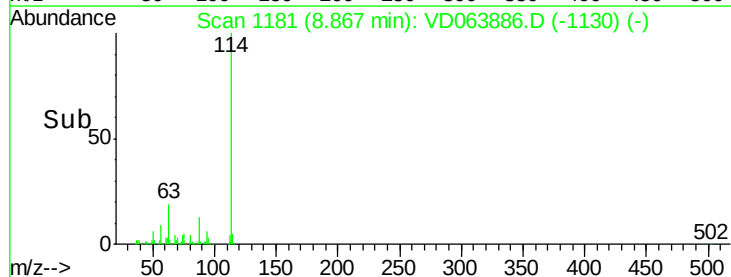
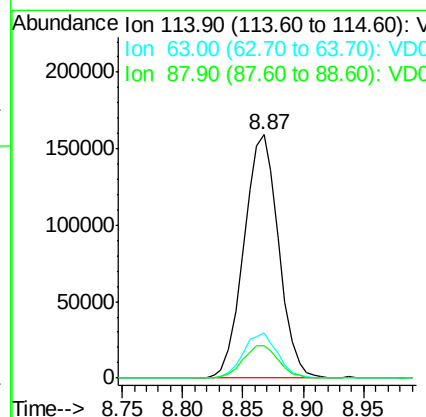
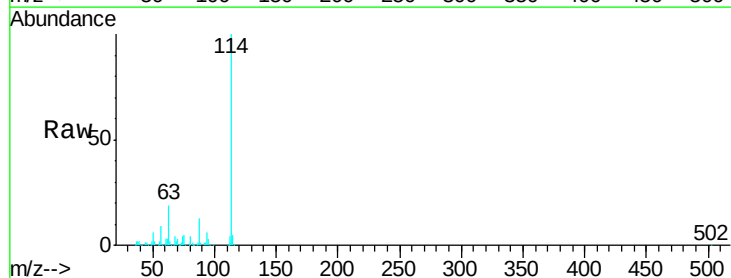
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

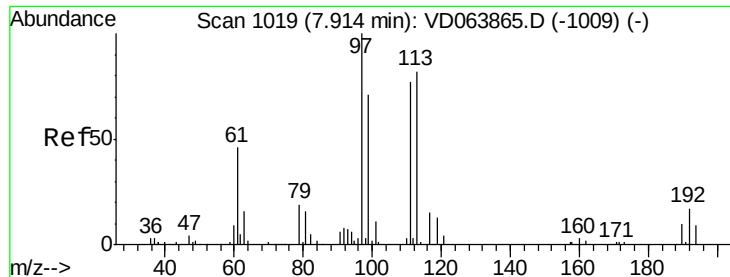
Tgt Ion: 65 Resp: 88523
 Ion Ratio Lower Upper
 65 100
 67 57.1 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion: 114 Resp: 318687
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.4
 88 13.4 0.0 27.4

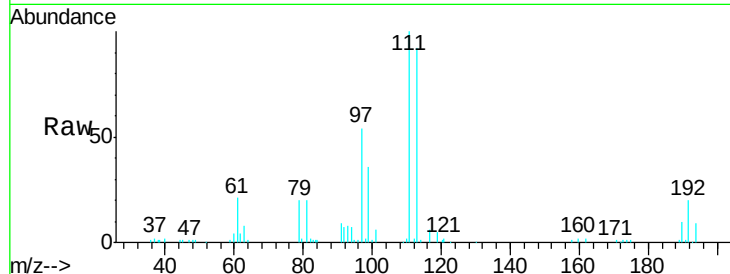




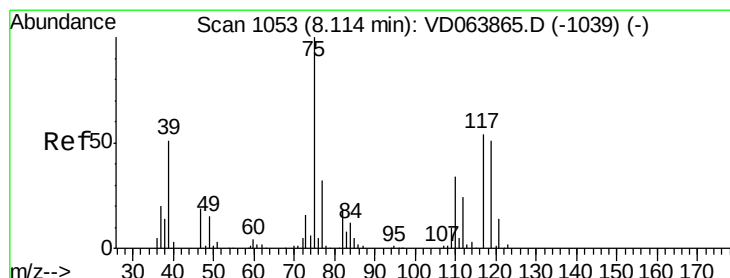
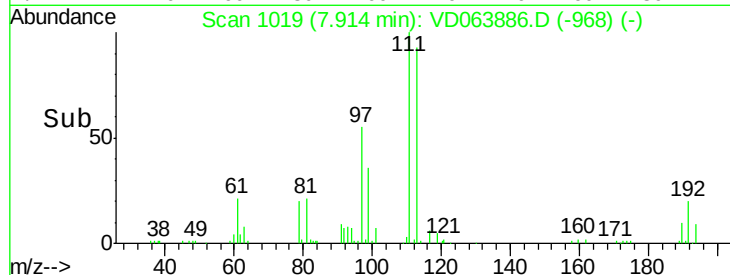
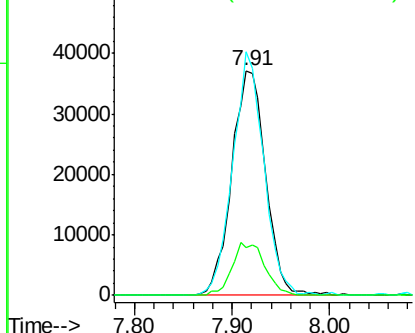
#35
Dibromofluoromethane
Concen: 45.874 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tgt Ion: 113 Resp: 89343
Ion Ratio Lower Upper
113 100
111 99.5 82.6 123.8
192 22.7 17.1 25.7

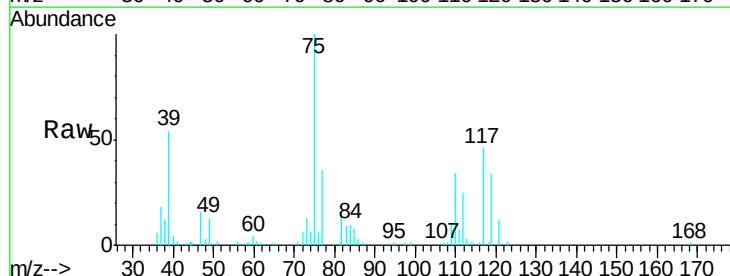


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

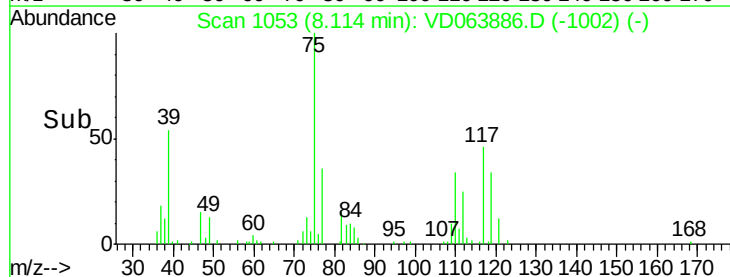
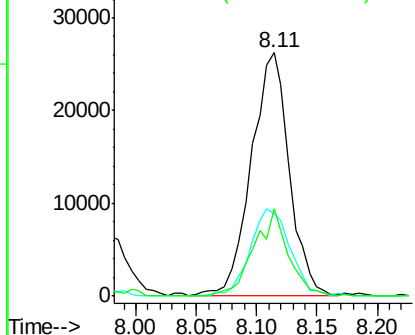


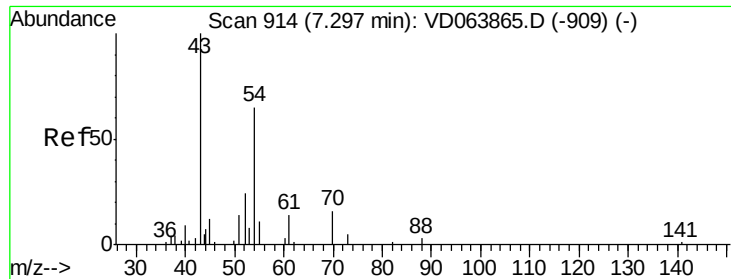
#36
1,1-Dichloropropene
Concen: 19.730 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 75 Resp: 57489
Ion Ratio Lower Upper
75 100
110 37.5 17.4 52.3
77 32.3 25.4 38.0



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

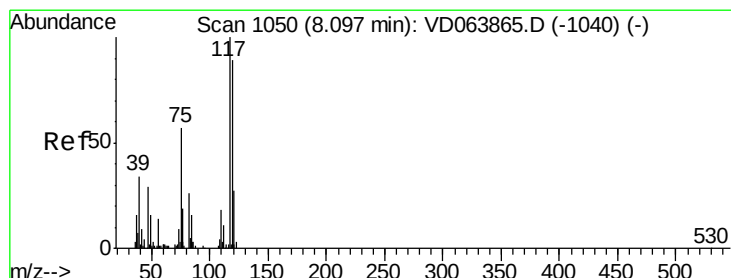
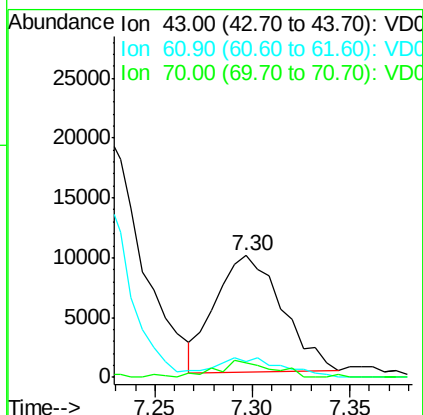
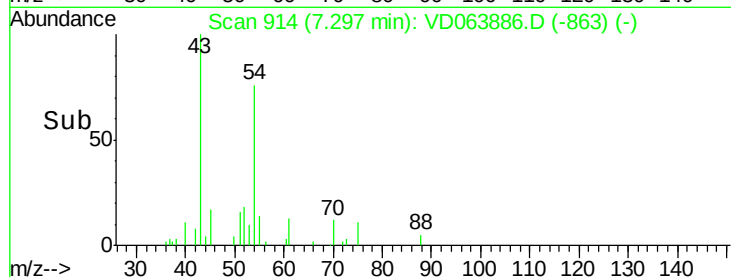
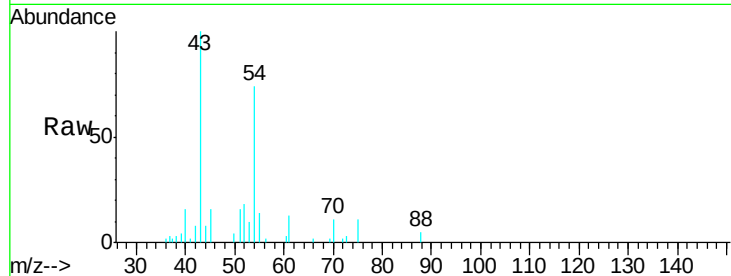




#37
 Ethyl Acetate
 Concen: 17.443 ug/l
 RT: 7.30 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

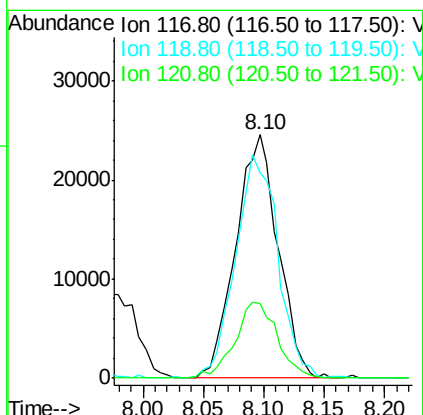
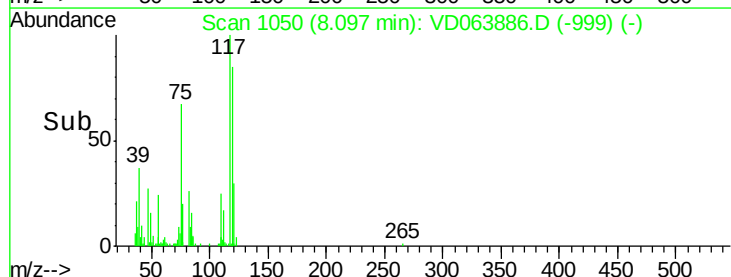
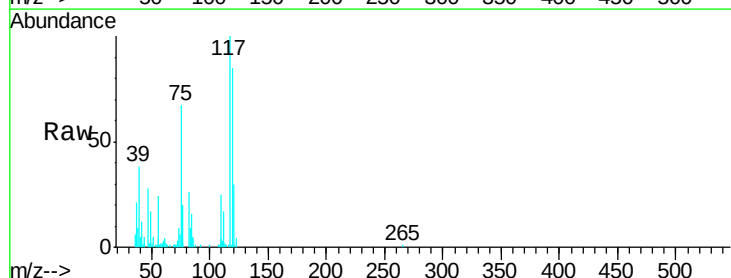
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

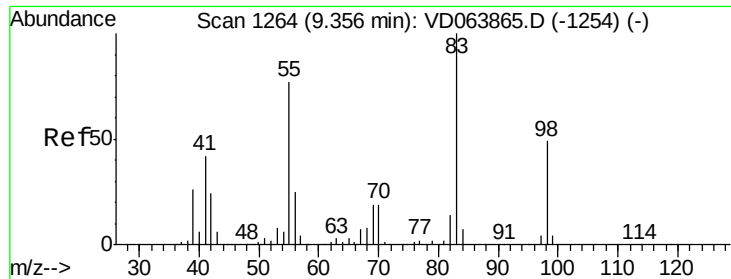
Tgt Ion: 43 Resp: 23066
 Ion Ratio Lower Upper
 43 100
 61 16.2 11.5 17.3
 70 11.7 8.2 12.4



#38
 Carbon Tetrachloride
 Concen: 20.265 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion: 117 Resp: 59671
 Ion Ratio Lower Upper
 117 100
 119 84.5 70.8 106.2
 121 30.5 21.4 32.0

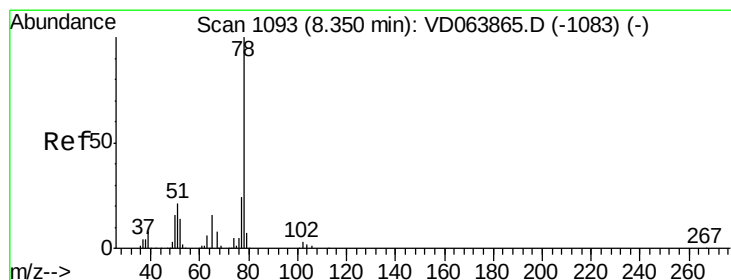
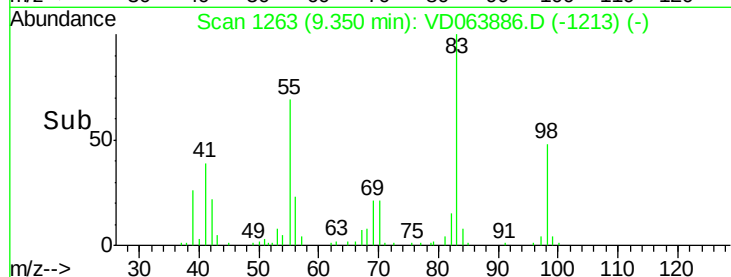
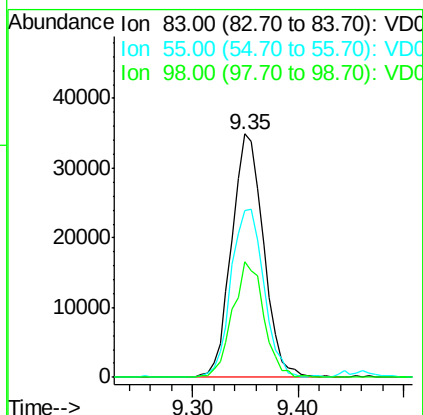
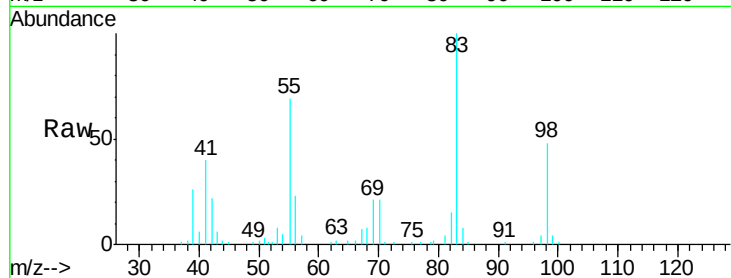




#39
Methylcyclohexane
Concen: 20.346 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

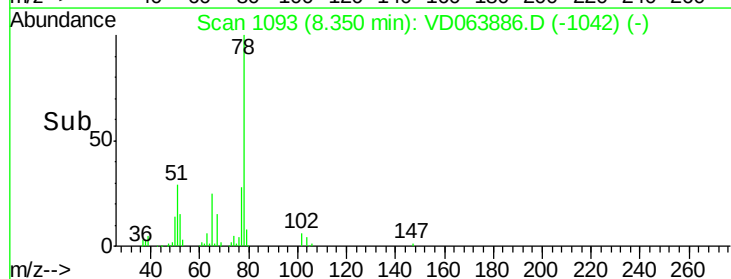
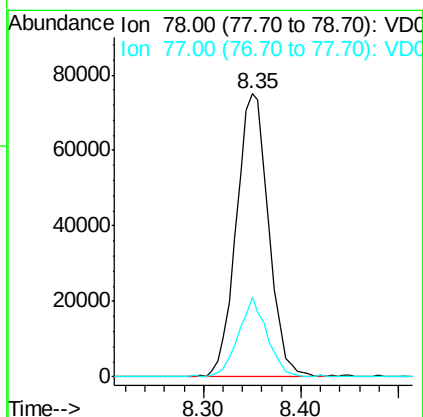
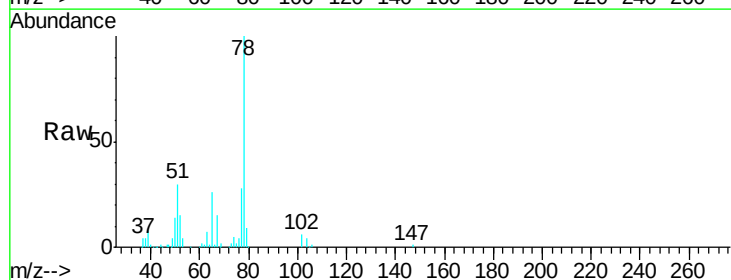
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

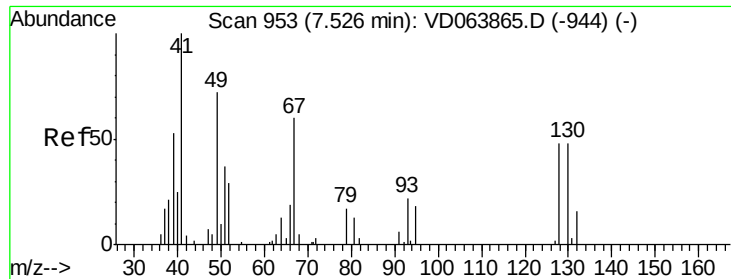
Tgt Ion: 83 Resp: 72893
Ion Ratio Lower Upper
83 100
55 68.6 61.3 91.9
98 47.6 39.3 58.9



#40
Benzene
Concen: 20.637 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 78 Resp: 172323
Ion Ratio Lower Upper
78 100
77 28.1 19.0 28.6

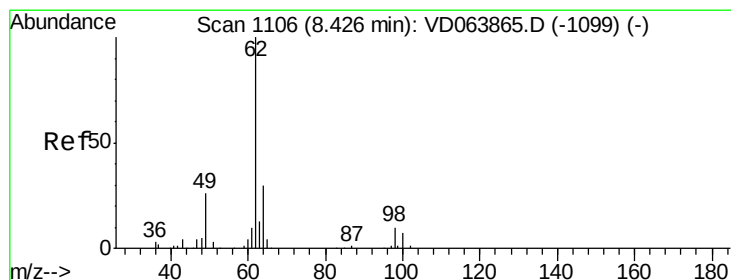
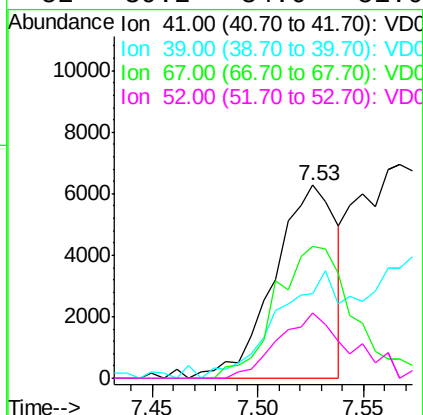
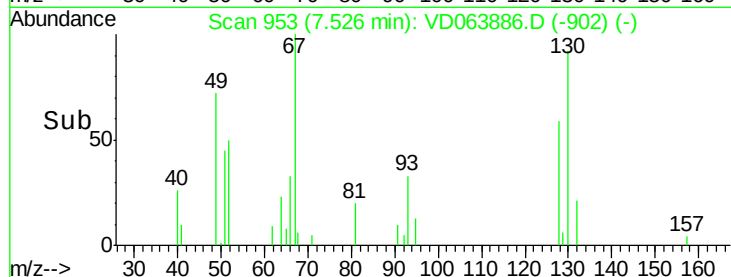
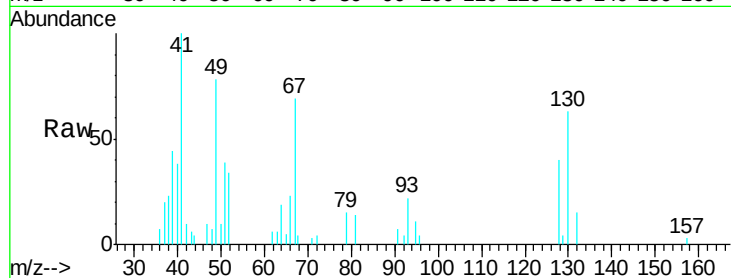




#41
Methacrylonitrile
Concen: 19.003 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

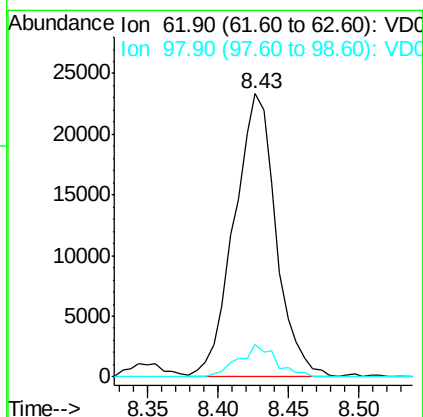
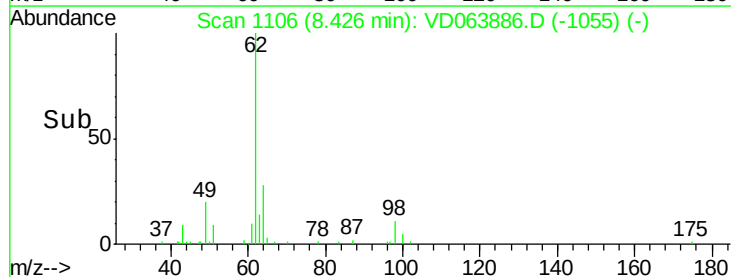
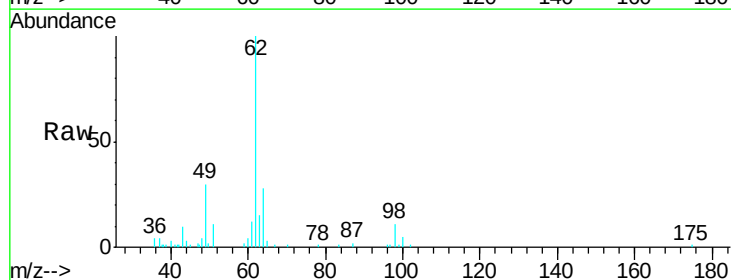
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

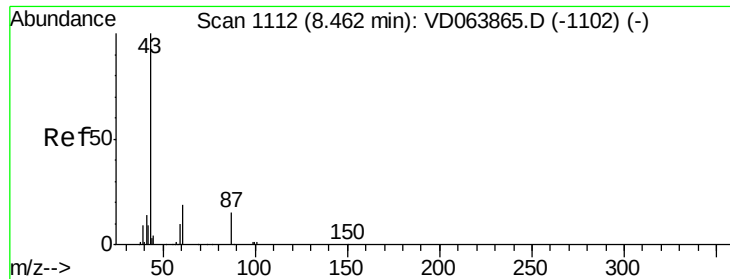
Tgt Ion: 41 Resp: 12838
Ion Ratio Lower Upper
41 100
39 67.1 52.6 78.8
67 85.0 74.2 111.2
52 39.2 34.0 51.0



#42
1,2-Dichloroethane
Concen: 20.047 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 62 Resp: 48423
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.0

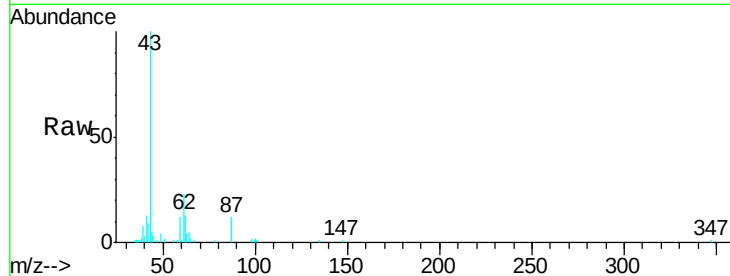




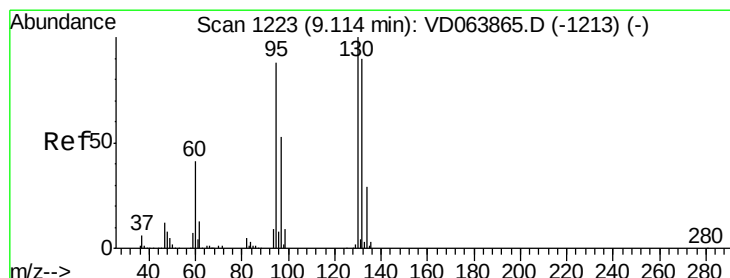
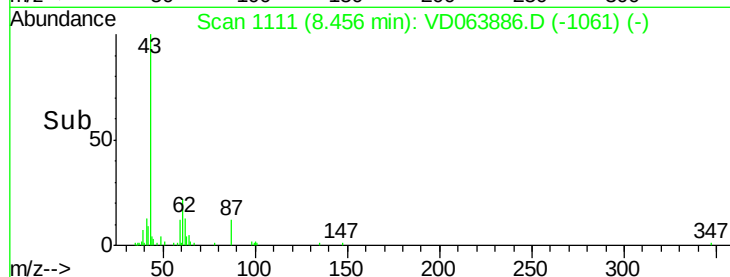
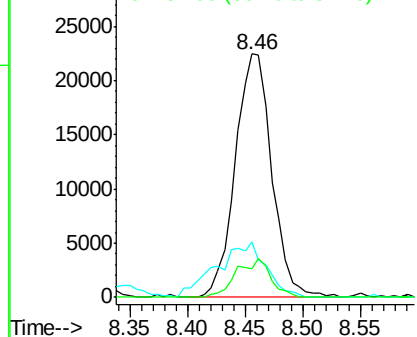
#43
Isopropyl Acetate
Concen: 20.187 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tgt Ion: 43 Resp: 49331
Ion Ratio Lower Upper
43 100
61 30.6 25.7 38.5
87 14.8 11.6 17.4

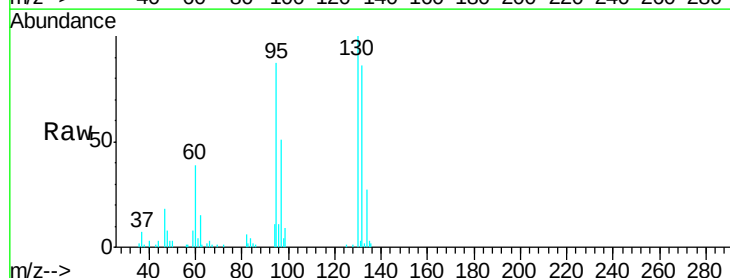


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

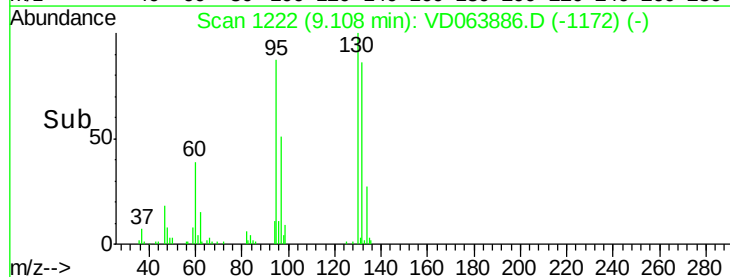
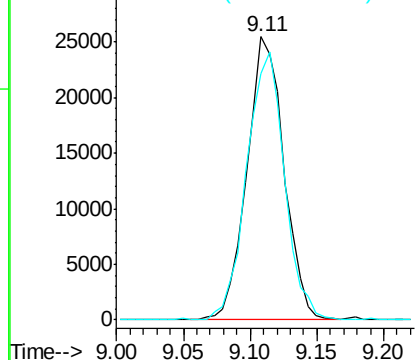


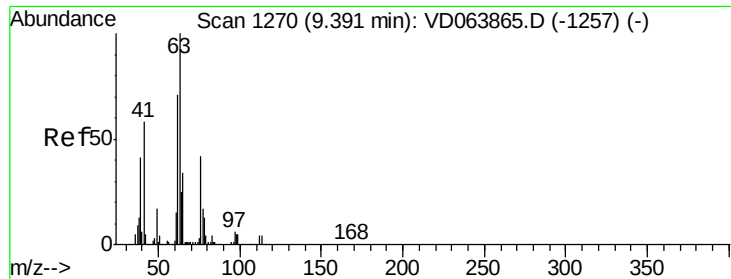
#44
Trichloroethene
Concen: 20.271 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 130 Resp: 48810
Ion Ratio Lower Upper
130 100
95 86.8 0.0 175.6



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

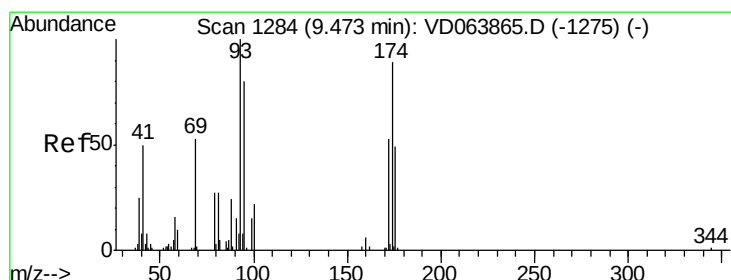
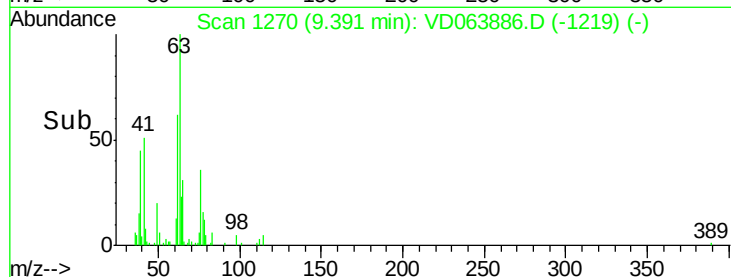
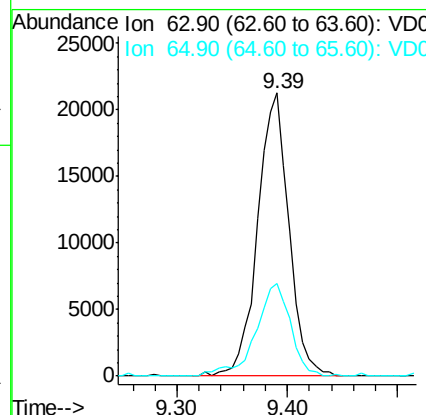
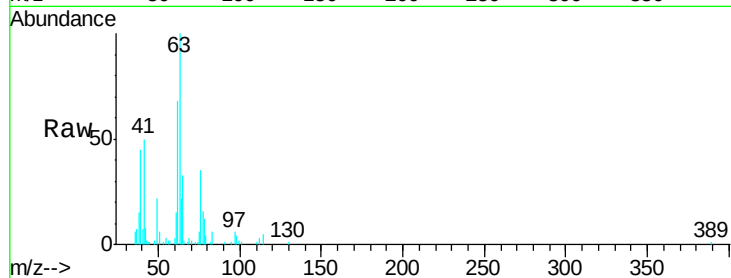




#45
 1,2-Dichloropropane
 Concen: 20.719 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

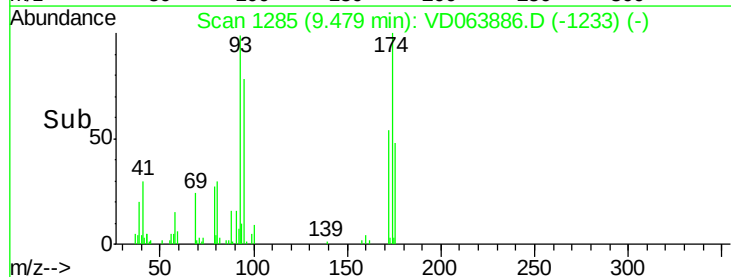
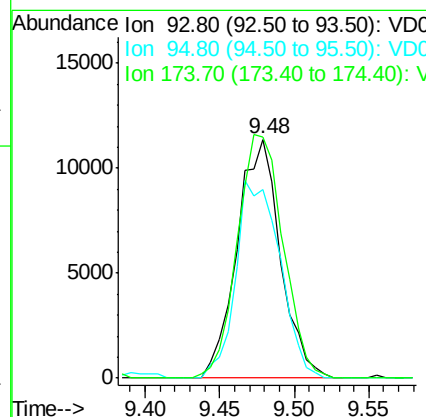
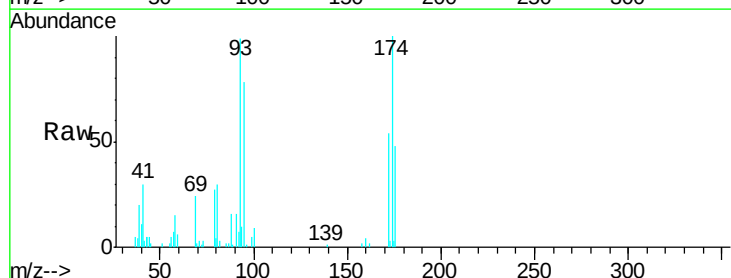
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

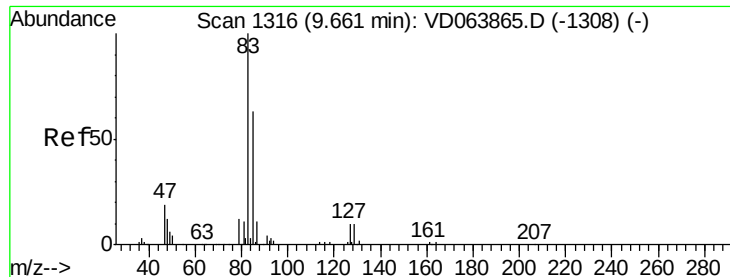
Tgt Ion: 63 Resp: 42347
 Ion Ratio Lower Upper
 63 100
 65 32.6 27.3 40.9



#46
 Dibromomethane
 Concen: 19.717 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion: 93 Resp: 22950
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.0 99.0
 174 107.8 83.4 125.0





#47

Bromodichloromethane

Concen: 19.796 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

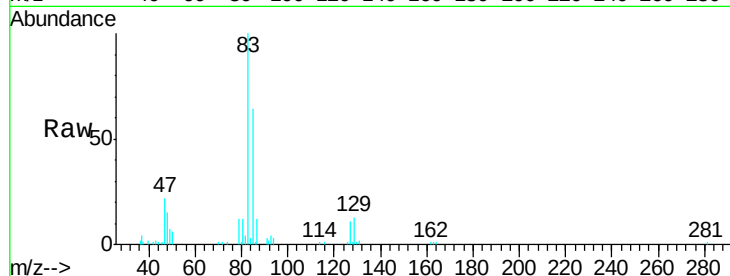
Tgt Ion: 83 Resp: 59324

Ion Ratio Lower Upper

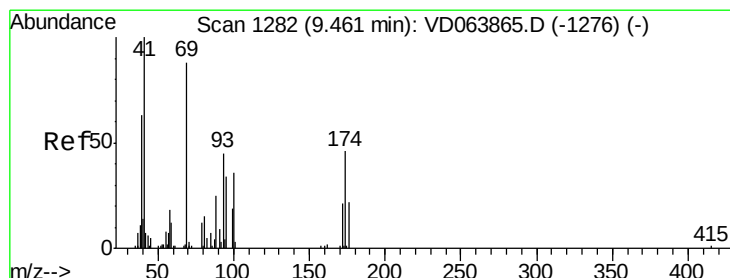
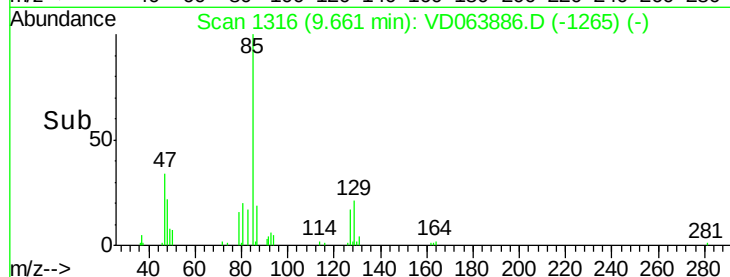
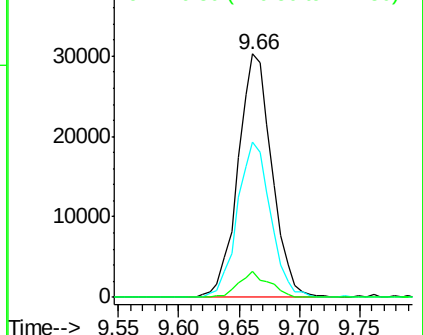
83 100

85 63.5 50.2 75.2

127 10.9 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: 18.641 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

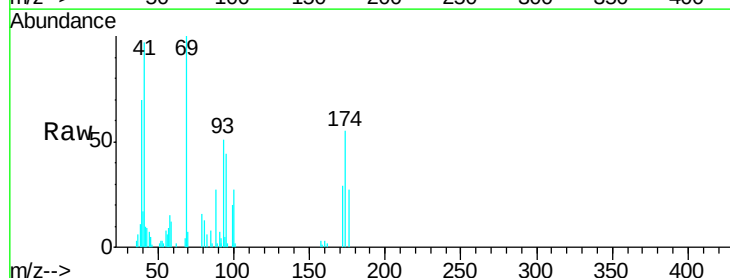
Tgt Ion: 41 Resp: 21826

Ion Ratio Lower Upper

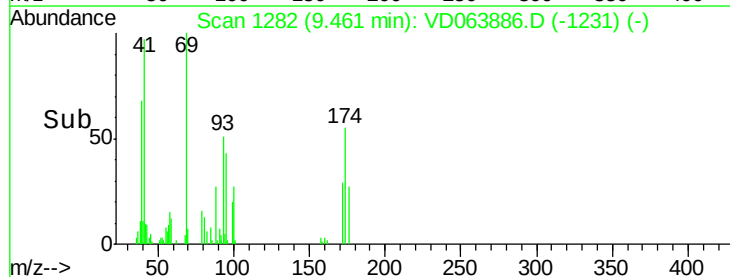
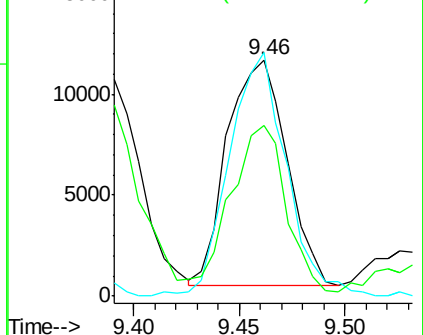
41 100

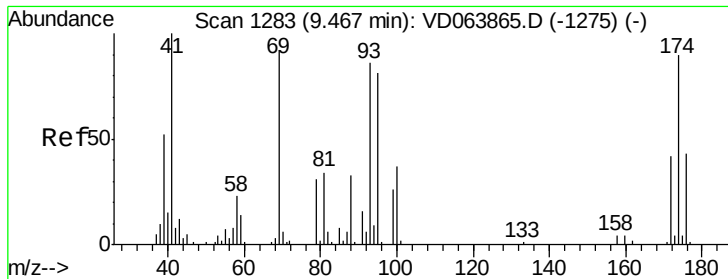
69 103.7 75.1 112.7

39 72.5 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: 412.566 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

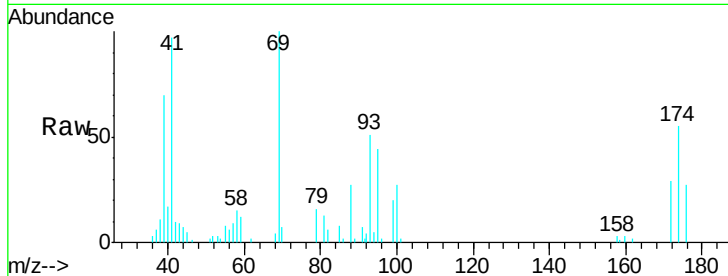
Tgt Ion: 88 Resp: 6555

Ion Ratio Lower Upper

88 100

43 19.1 27.6 41.4#

58 69.1 54.1 81.1

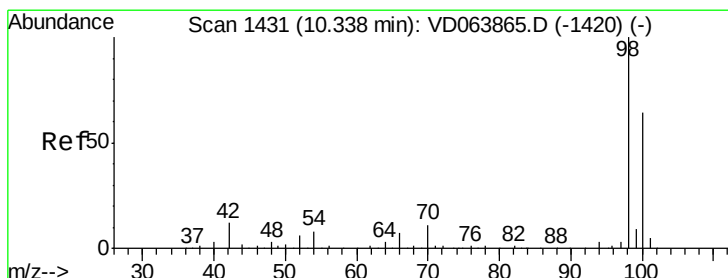
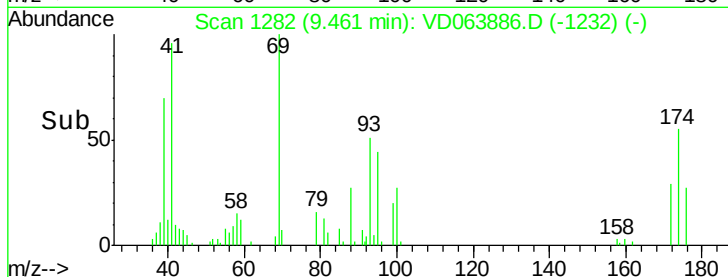
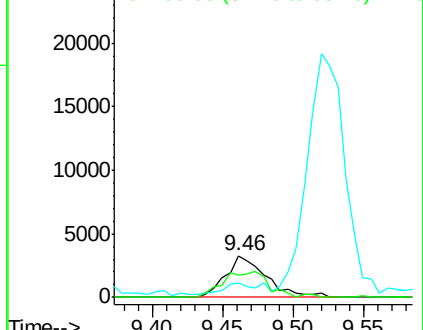


Abundance

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: 46.925 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD063886.D

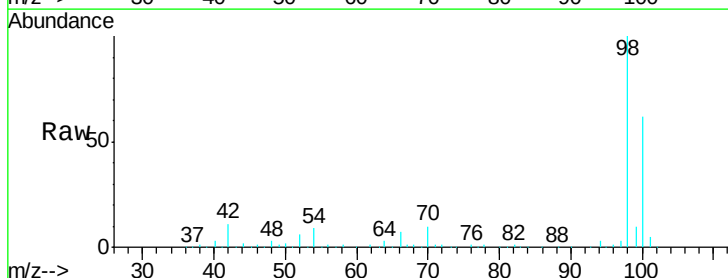
Acq: 04 Oct 2019 14:38

Tgt Ion: 98 Resp: 370940

Ion Ratio Lower Upper

98 100

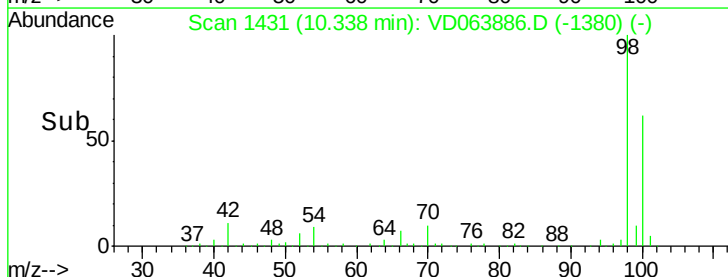
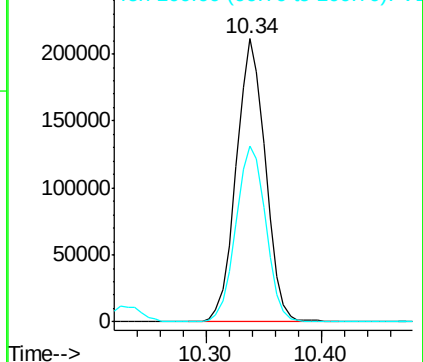
100 63.4 52.1 78.1

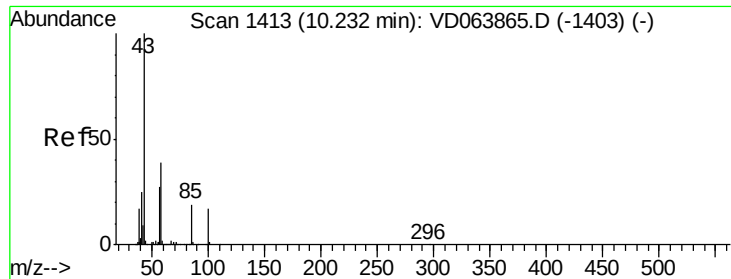


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 102.484 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

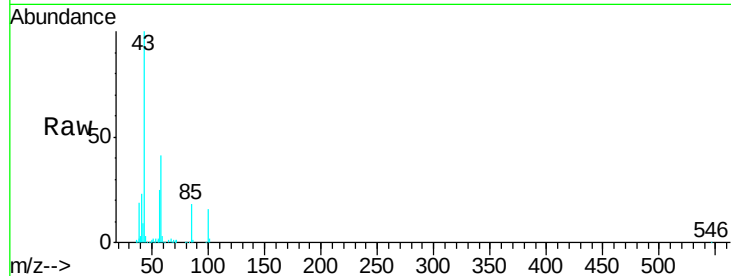
VD1004SBS01

Tgt Ion: 43 Resp: 129881

Ion Ratio Lower Upper

43 100

58 38.5 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

80000

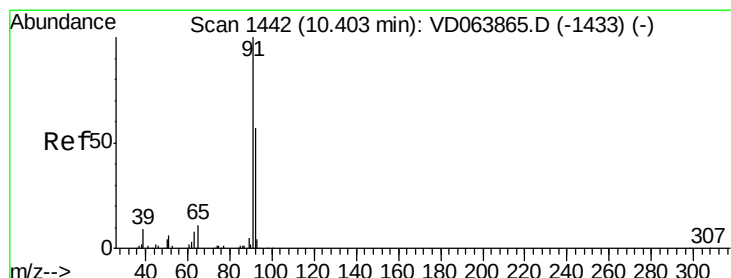
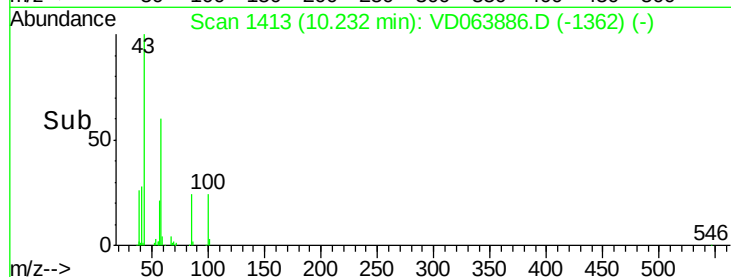
60000

40000

20000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 19.755 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063886.D

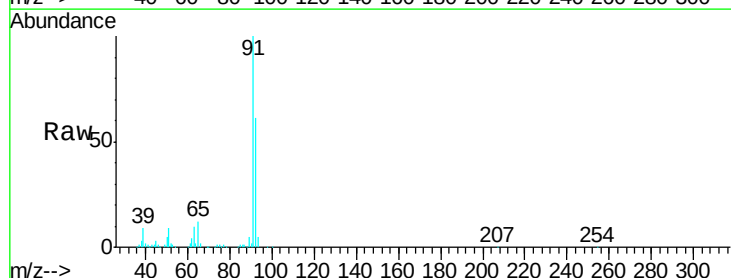
Acq: 04 Oct 2019 14:38

Tgt Ion: 92 Resp: 113241

Ion Ratio Lower Upper

92 100

91 176.8 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.40

120000

100000

80000

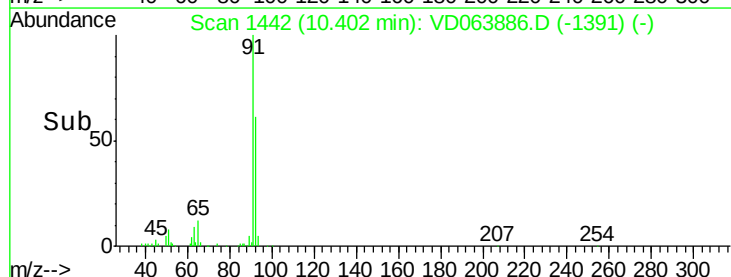
60000

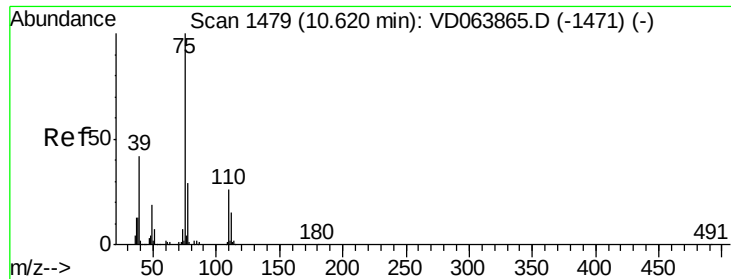
40000

20000

0

Time--> 10.35 10.40 10.45





#53

t-1,3-Dichloropropene

Concen: 20.412 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

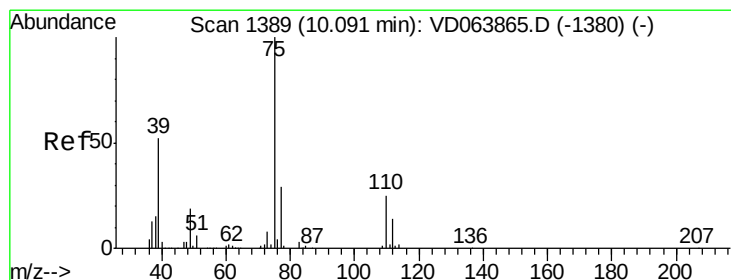
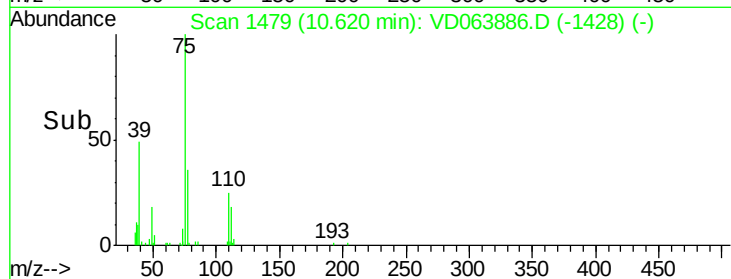
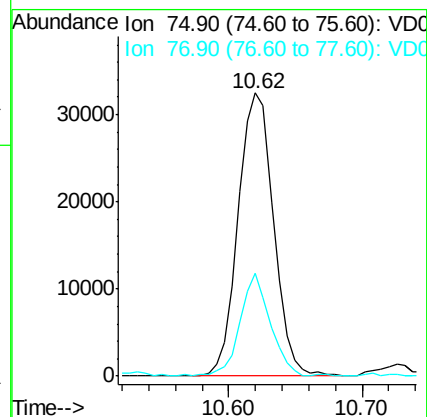
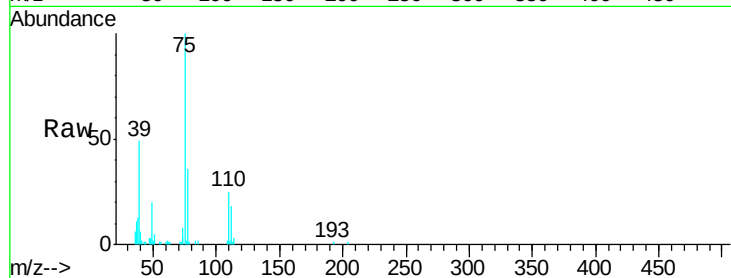
VD1004SBS01

Tgt Ion: 75 Resp: 59692

Ion Ratio Lower Upper

75 100

77 36.3 22.8 34.2#



#54

cis-1,3-Dichloropropene

Concen: 20.197 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

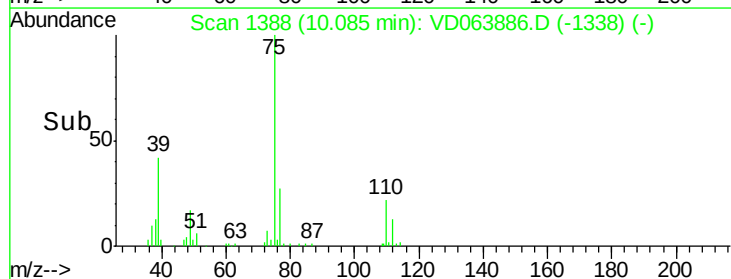
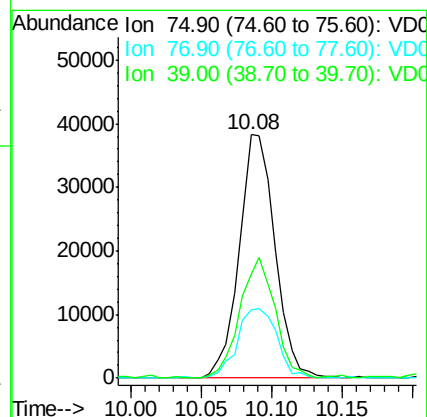
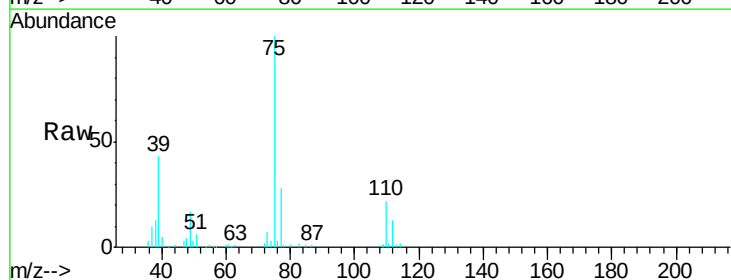
Tgt Ion: 75 Resp: 67989

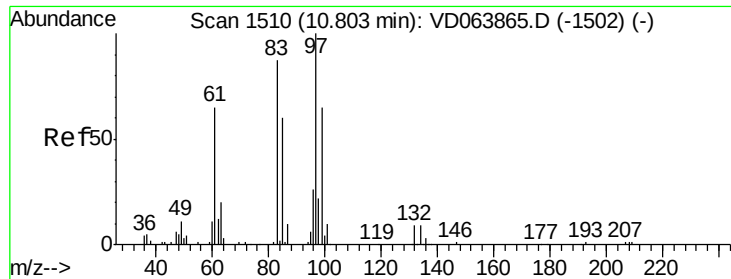
Ion Ratio Lower Upper

75 100

77 27.9 23.2 34.8

39 42.6 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 20.691 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tgt Ion: 97 Resp: 34006

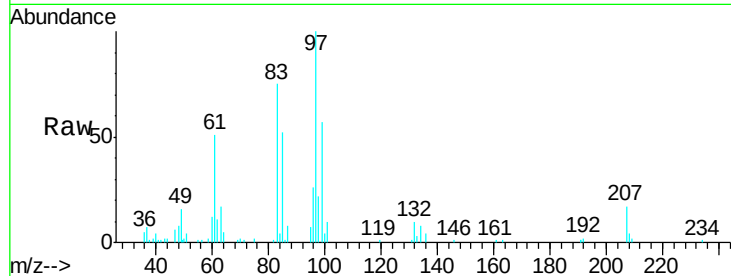
Ion Ratio Lower Upper

97 100

83 75.4 69.7 104.5

85 51.8 48.1 72.1

99 57.1 51.9 77.9

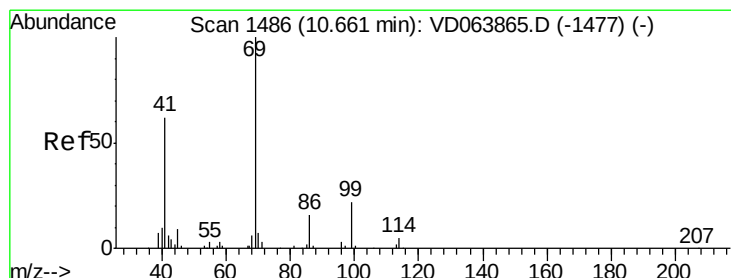
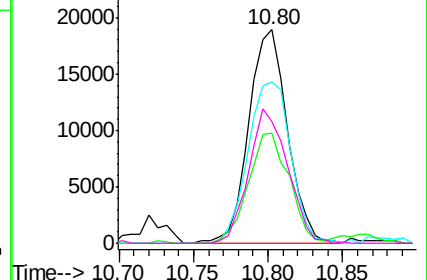
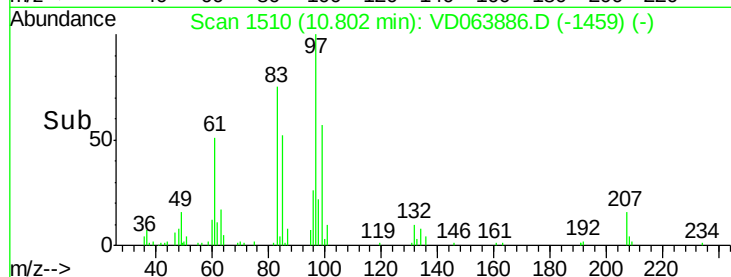


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 19.863 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

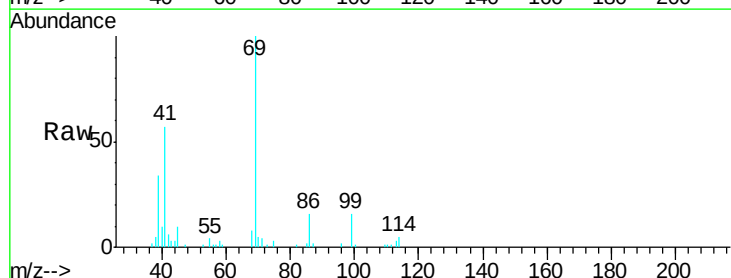
Tgt Ion: 69 Resp: 41339

Ion Ratio Lower Upper

69 100

41 65.2 51.3 76.9

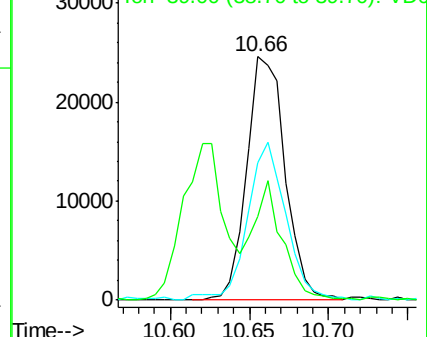
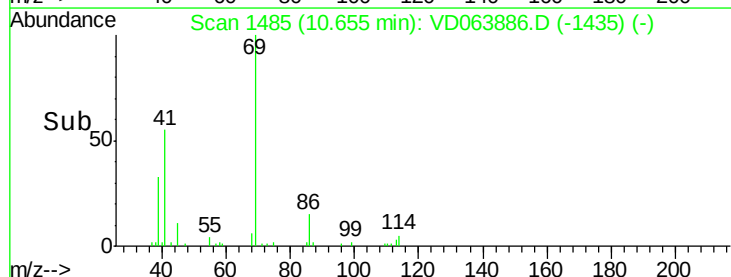
39 37.9 28.0 42.0

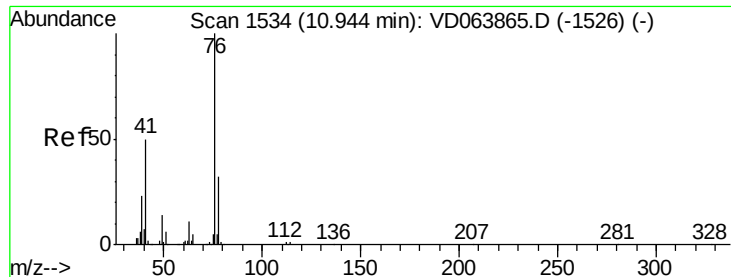


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

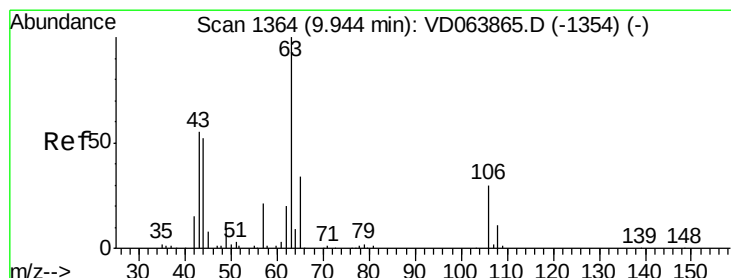
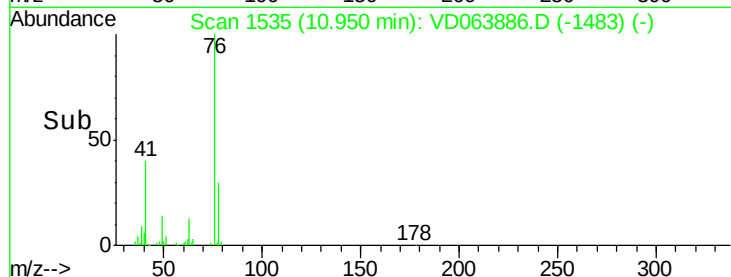
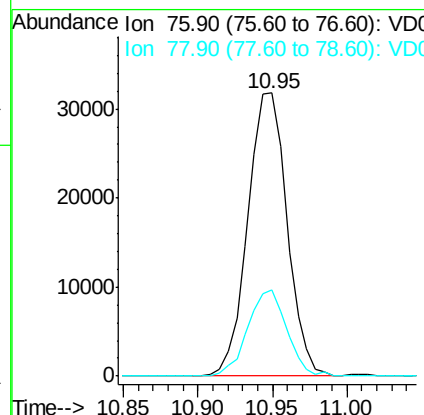
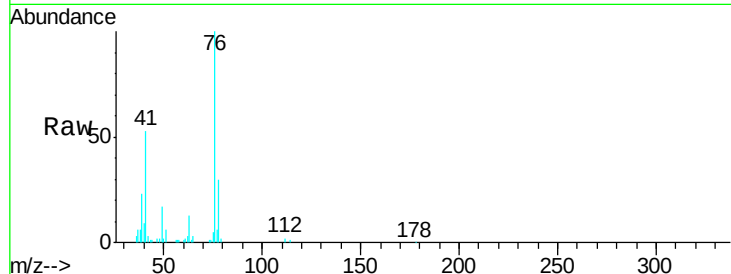




#57
 1,3-Dichloropropane
 Concen: 20.564 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

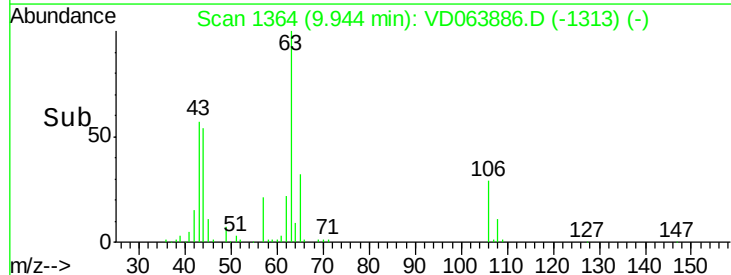
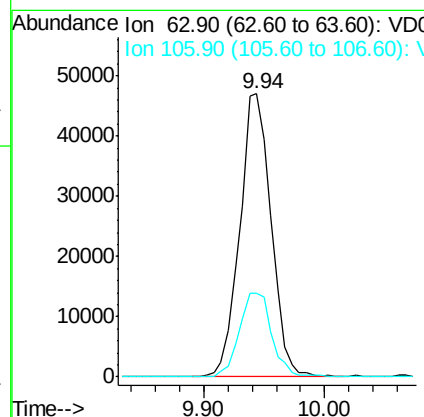
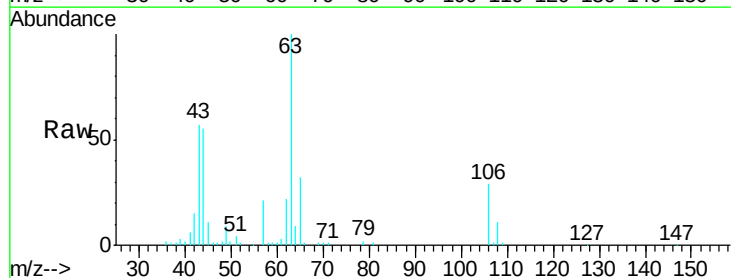
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

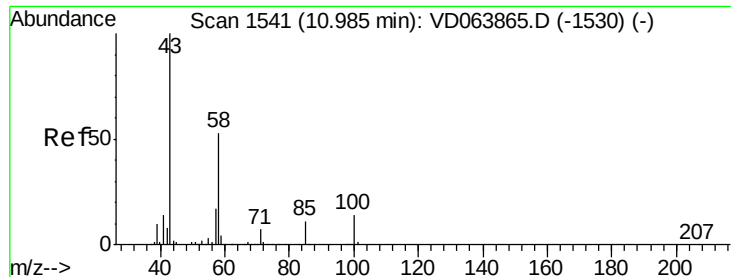
Tgt Ion: 76 Resp: 57825
 Ion Ratio Lower Upper
 76 100
 78 30.2 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.105 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion: 63 Resp: 85081
 Ion Ratio Lower Upper
 63 100
 106 30.9 24.3 36.5

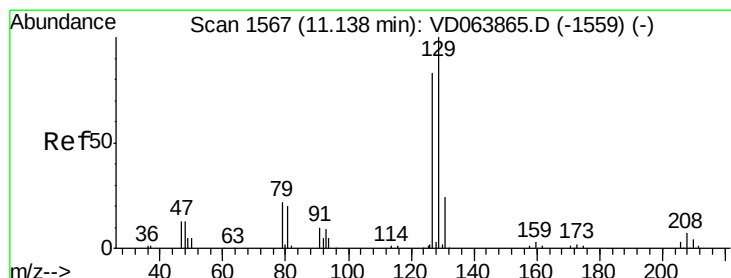
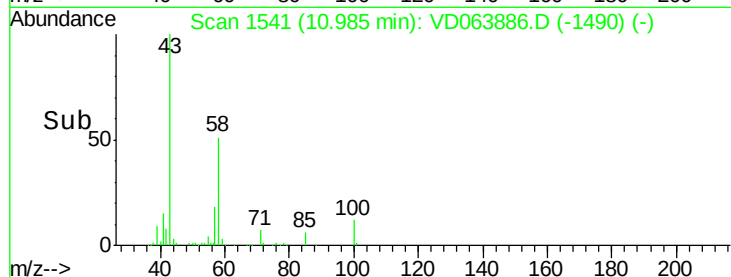
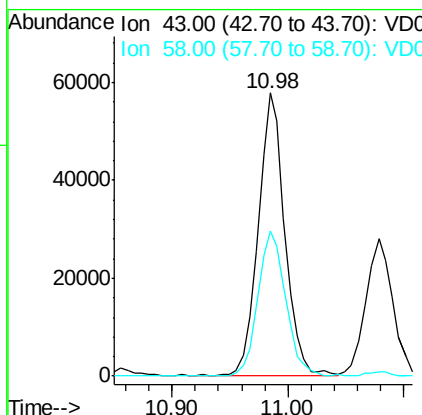
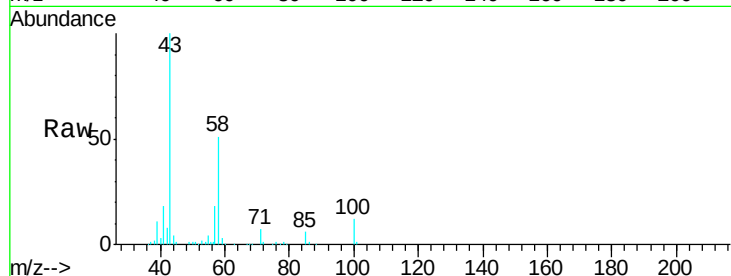




#59
2-Hexanone
Concen: 101.672 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

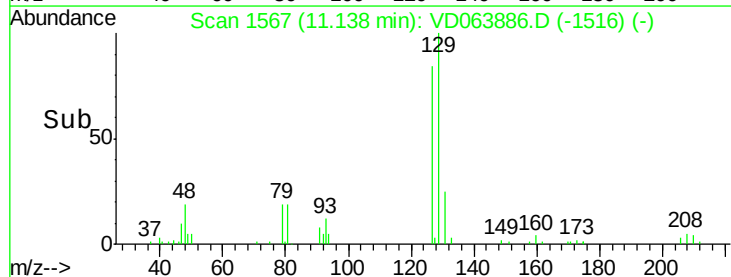
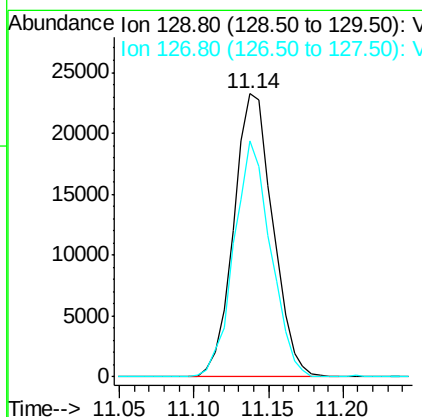
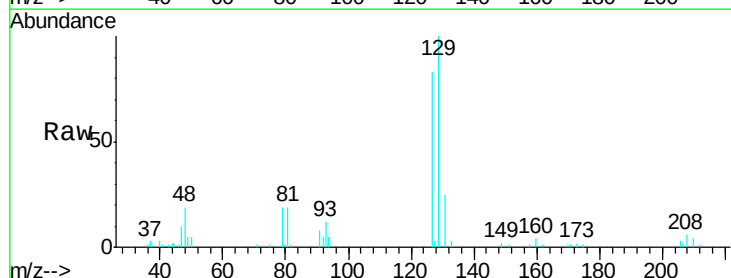
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

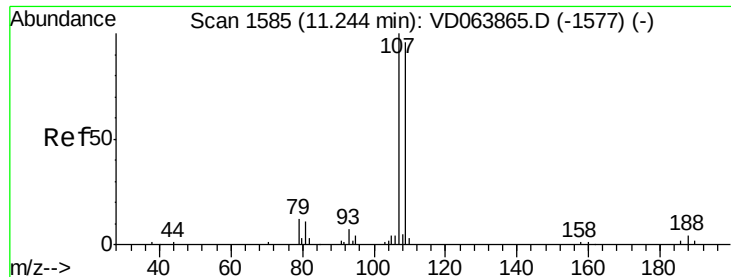
Tgt Ion: 43 Resp: 93208
Ion Ratio Lower Upper
43 100
58 53.3 27.7 83.0



#60
Dibromochloromethane
Concen: 19.782 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 129 Resp: 42326
Ion Ratio Lower Upper
129 100
127 78.4 39.9 119.6

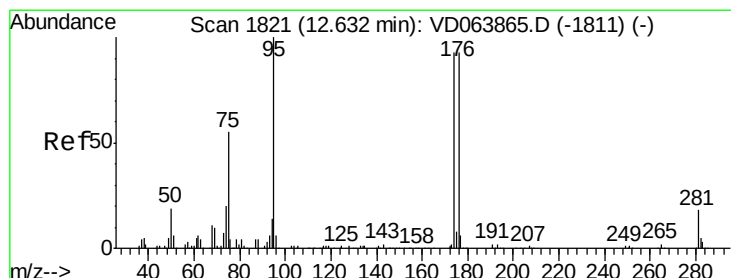
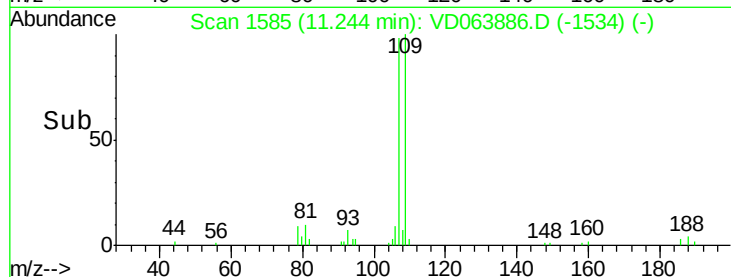
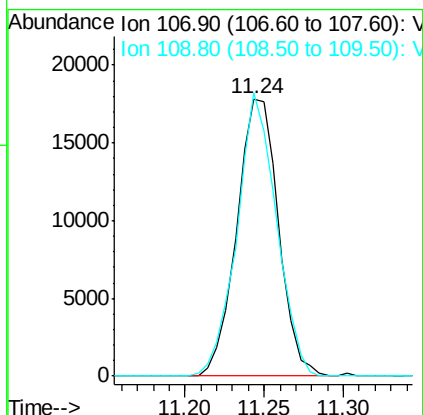
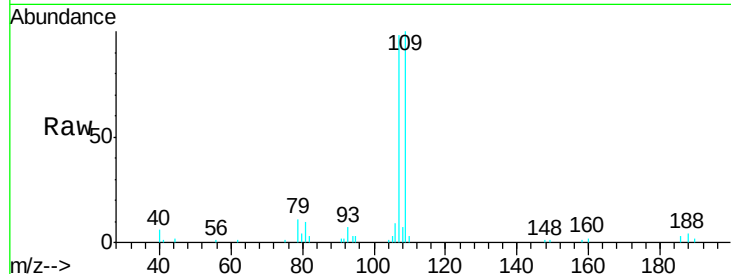




#61
 1,2-Dibromoethane
 Concen: 20.434 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

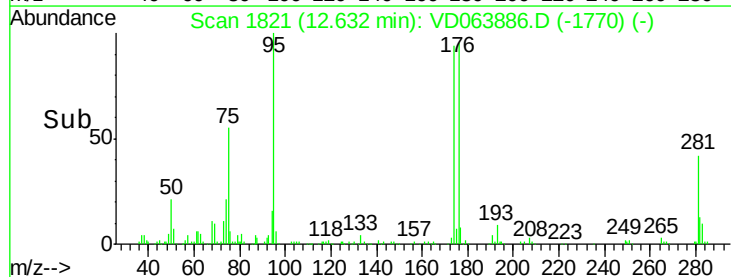
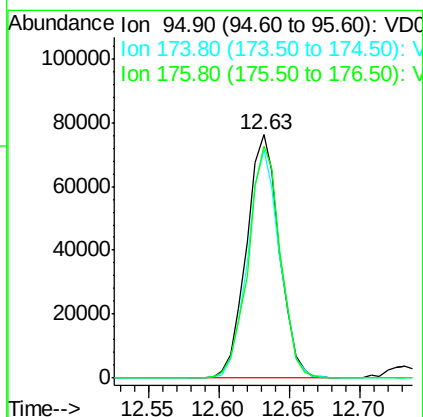
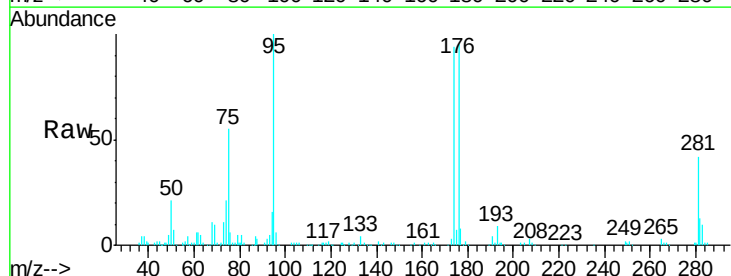
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

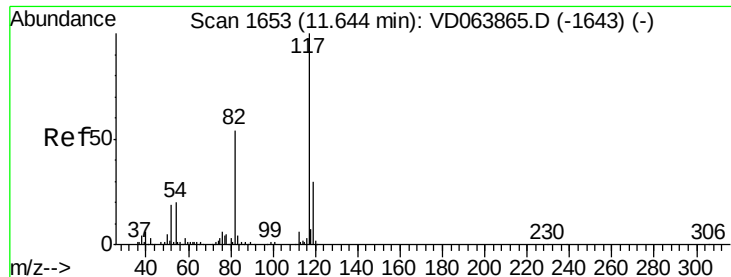
Tgt Ion: 107 Resp: 32557
 Ion Ratio Lower Upper
 107 100
 109 96.7 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 45.361 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion: 95 Resp: 124605
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 186.4
 176 92.7 0.0 184.2

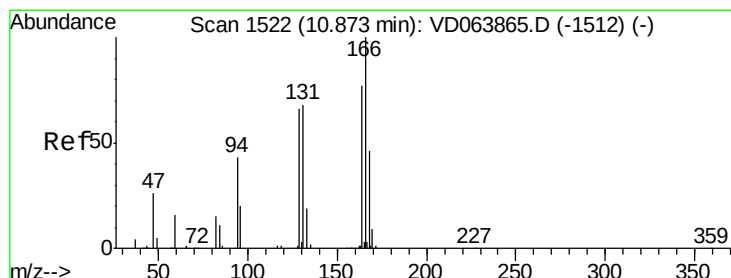
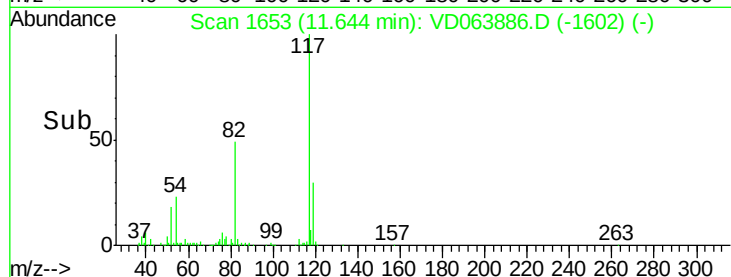
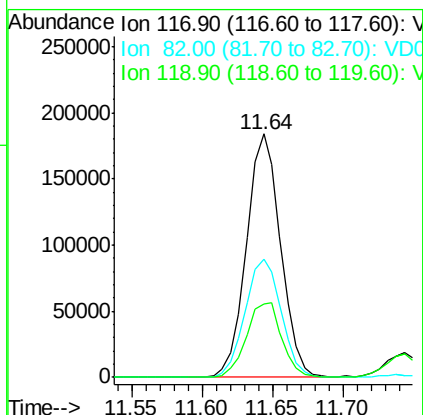
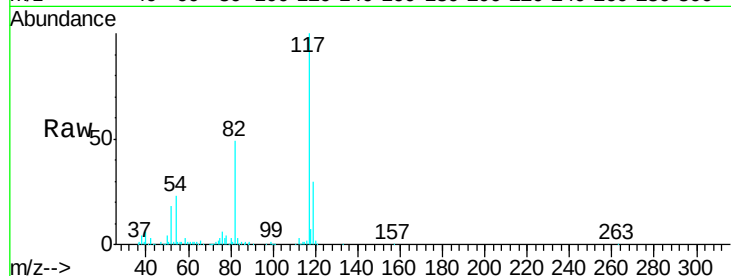




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

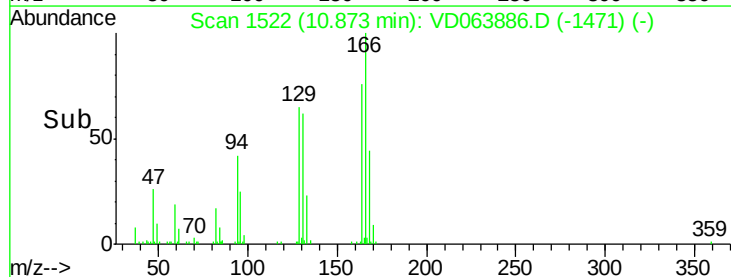
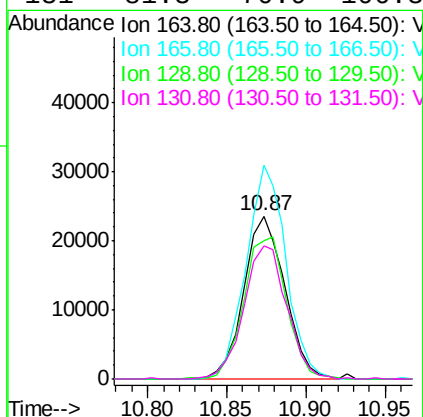
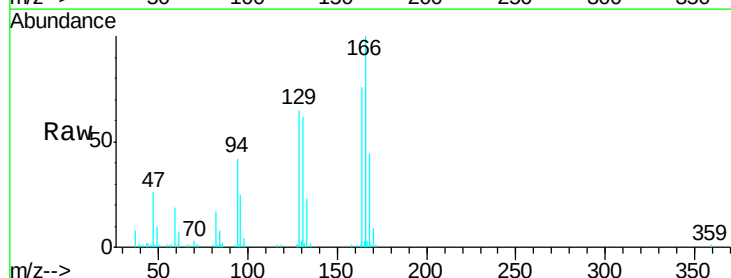
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

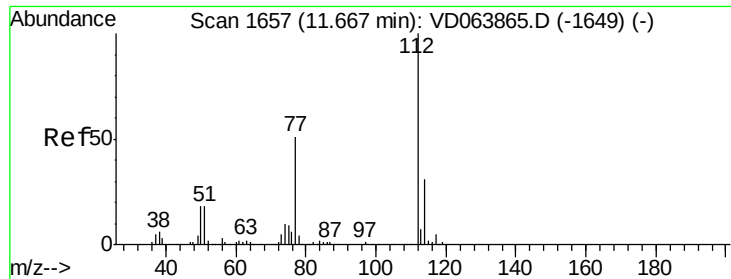
Tgt Ion:117 Resp: 312802
Ion Ratio Lower Upper
117 100
82 48.7 42.8 64.2
119 30.1 24.4 36.6



#64
Tetrachloroethene
Concen: 19.920 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion:164 Resp: 42538
Ion Ratio Lower Upper
164 100
166 130.9 103.8 155.6
129 84.4 68.9 103.3
131 81.3 70.9 106.3

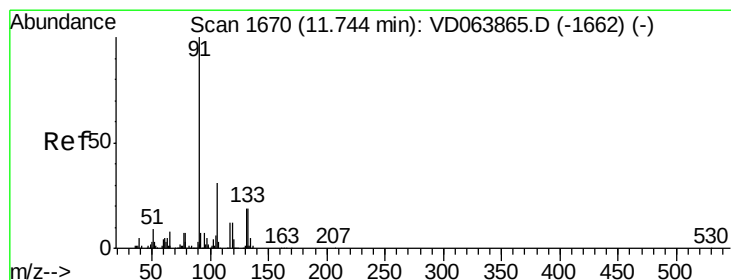
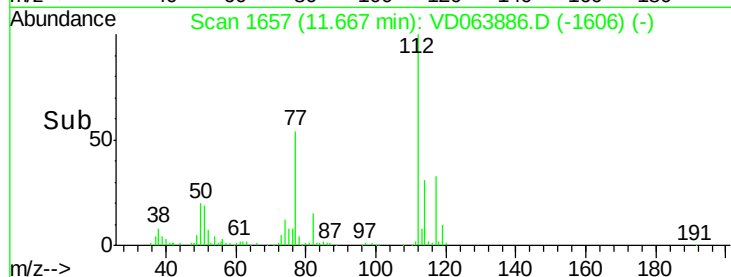
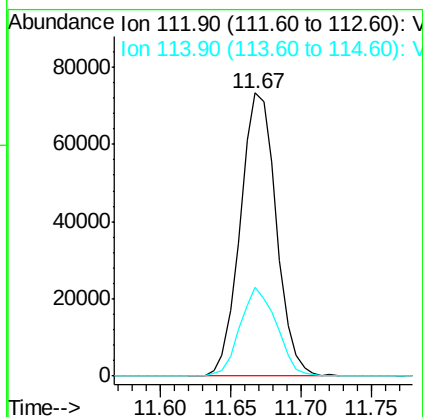
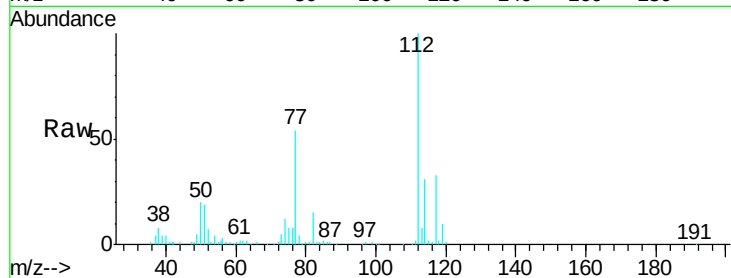




#65
Chlorobenzene
Concen: 20.870 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

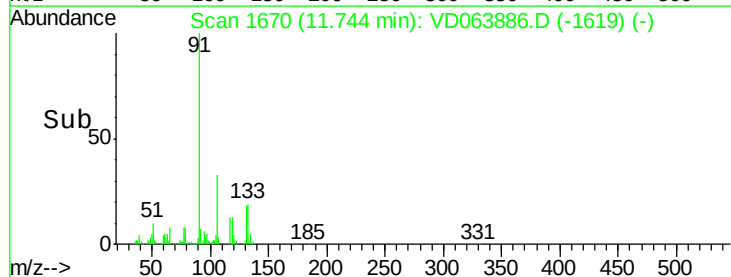
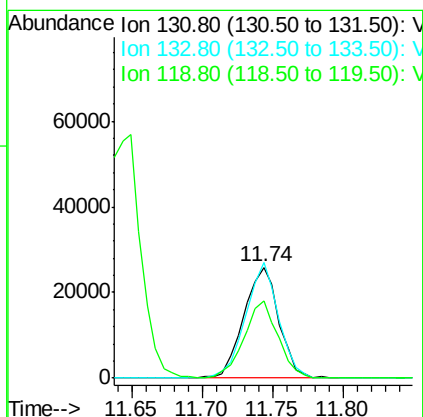
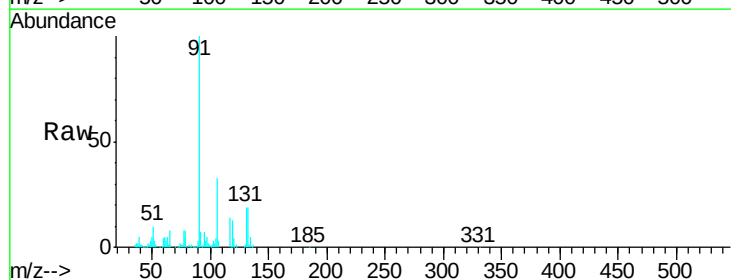
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

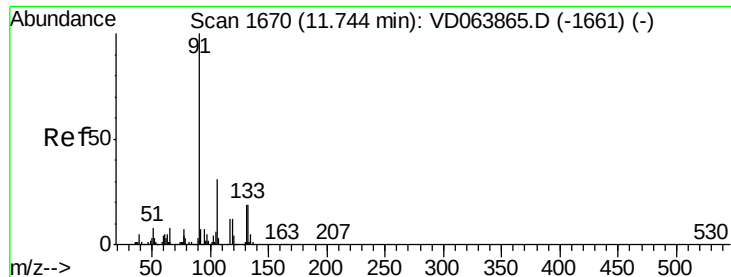
Tgt Ion:112 Resp: 131101
Ion Ratio Lower Upper
112 100
114 31.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.403 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion:131 Resp: 44914
Ion Ratio Lower Upper
131 100
133 97.5 48.9 146.7
119 67.3 32.6 97.8





#67

Ethyl Benzene

Concen: 20.086 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

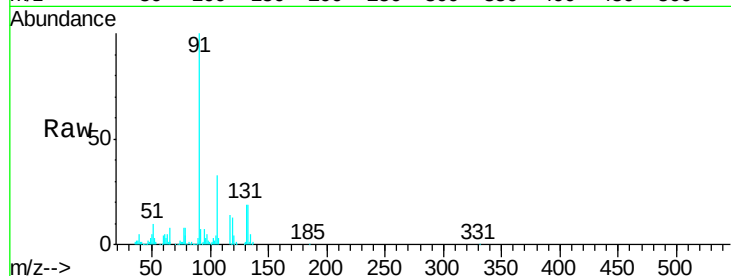
VD1004SBS01

Tgt Ion: 91 Resp: 227527

Ion Ratio Lower Upper

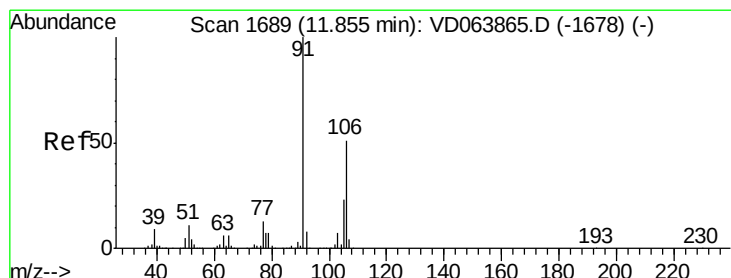
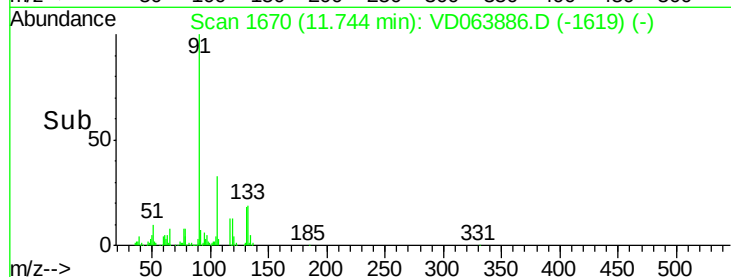
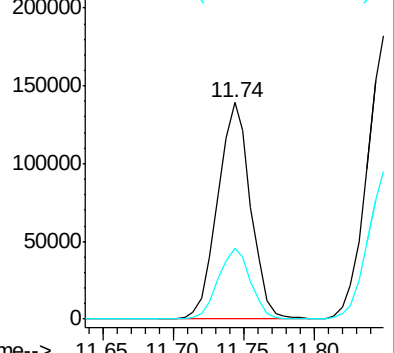
91 100

106 32.6 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.894 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD063886.D

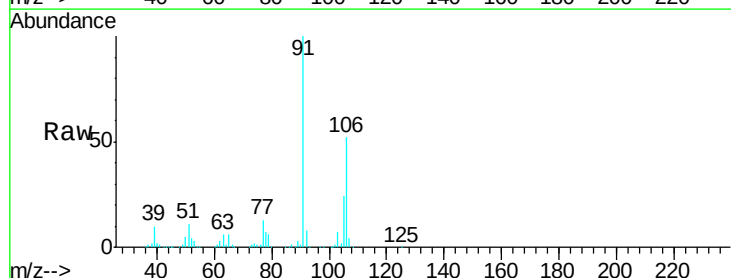
Acq: 04 Oct 2019 14:38

Tgt Ion: 106 Resp: 178796

Ion Ratio Lower Upper

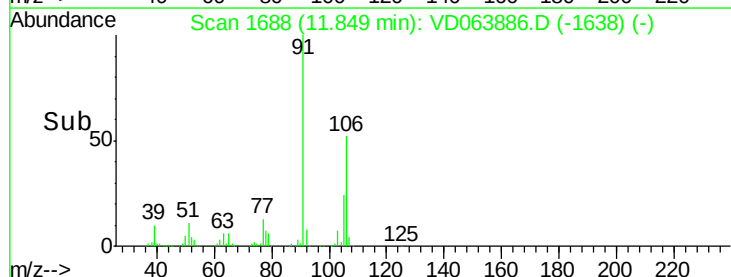
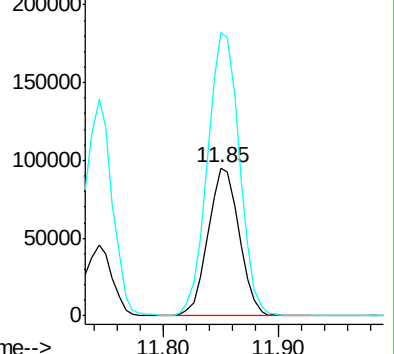
106 100

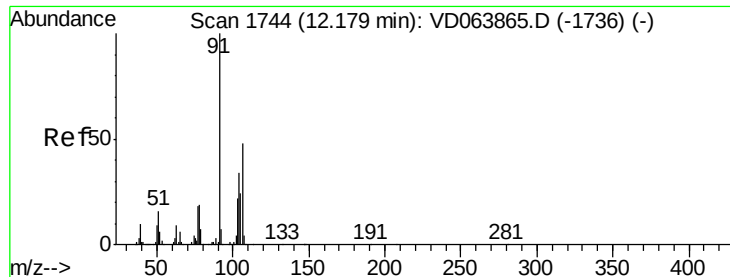
91 195.5 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

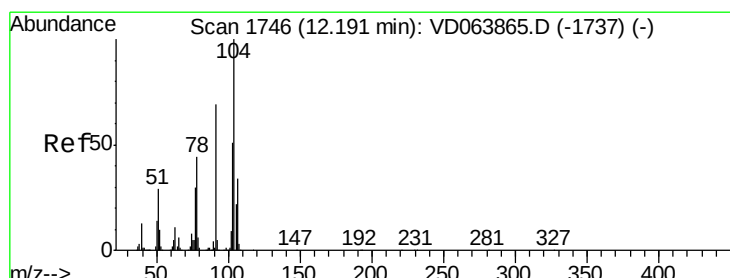
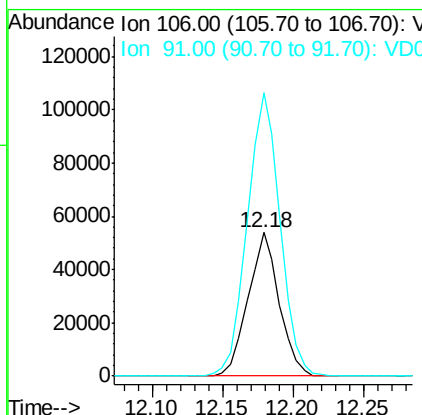
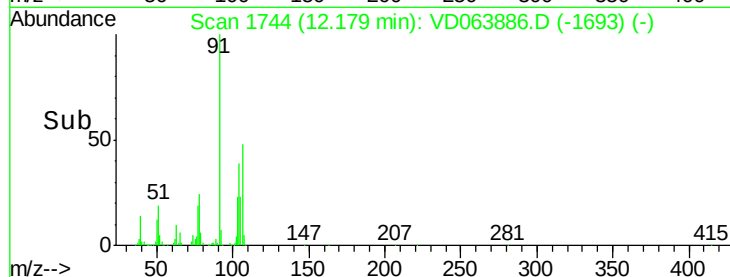
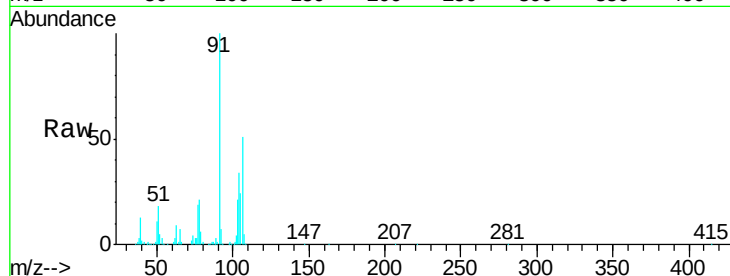




#69
o-Xylene
Concen: 19.941 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

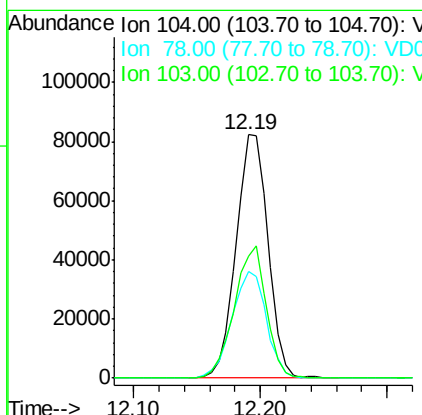
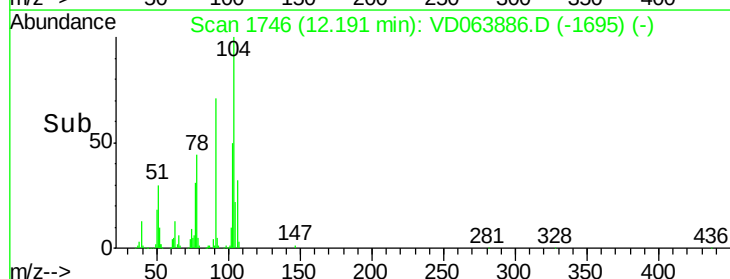
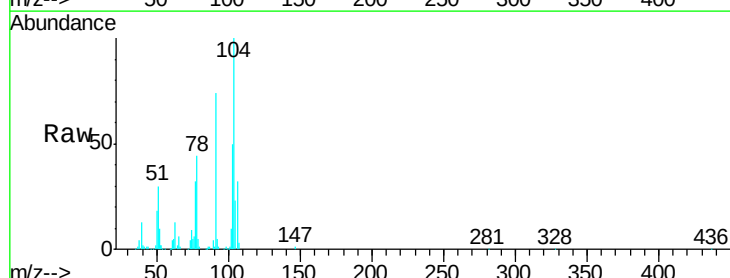
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

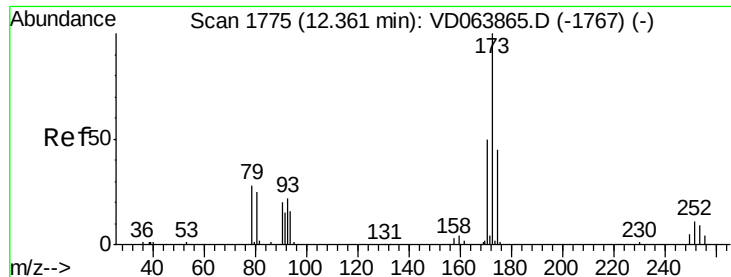
Tgt Ion:106 Resp: 83483
Ion Ratio Lower Upper
106 100
91 207.7 103.9 311.7



#70
Styrene
Concen: 20.278 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion:104 Resp: 143714
Ion Ratio Lower Upper
104 100
78 47.0 37.0 55.4
103 54.4 44.2 66.4





#71

Bromoform

Concen: 20.200 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

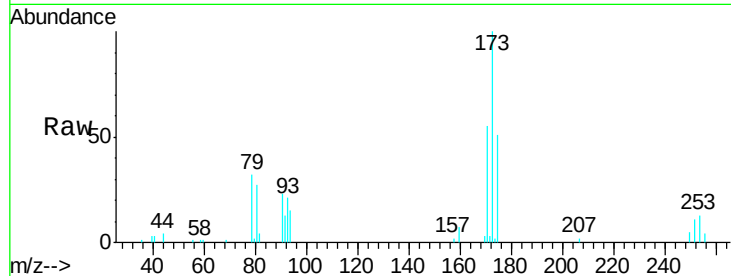
Tgt Ion:173 Resp: 25094

Ion Ratio Lower Upper

173 100

175 51.9 24.6 74.0

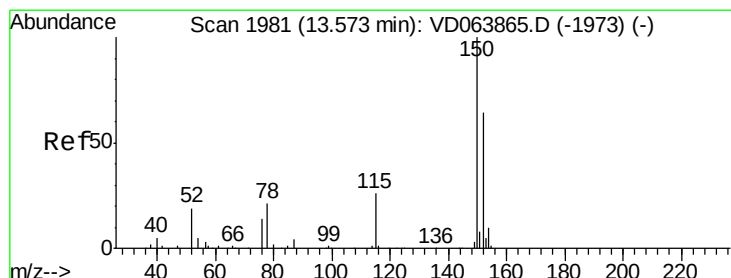
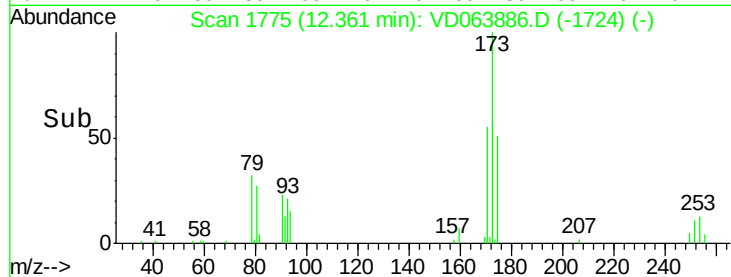
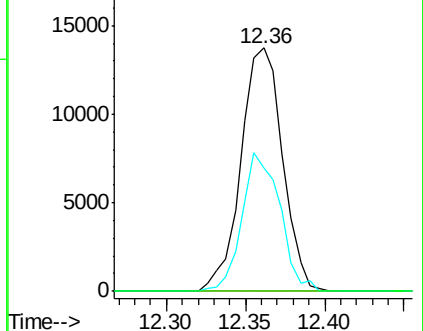
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

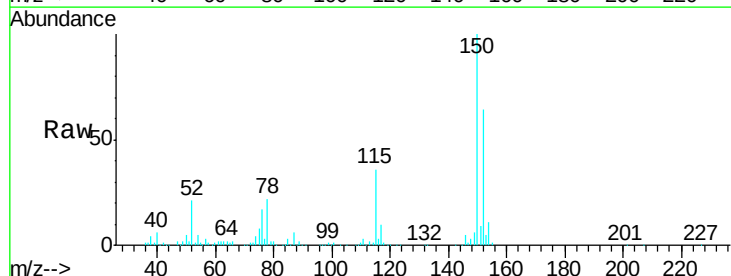
Tgt Ion:152 Resp: 162872

Ion Ratio Lower Upper

152 100

115 55.8 25.9 77.7

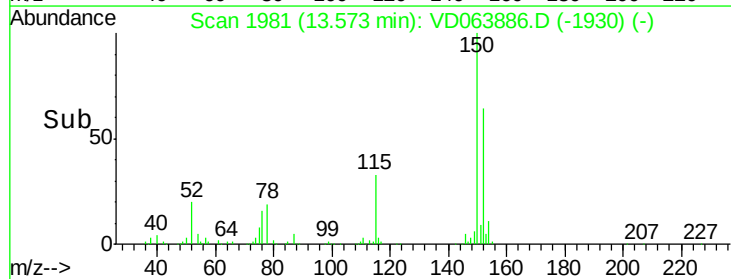
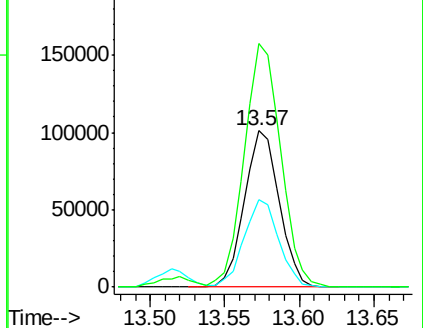
150 163.1 0.0 344.2

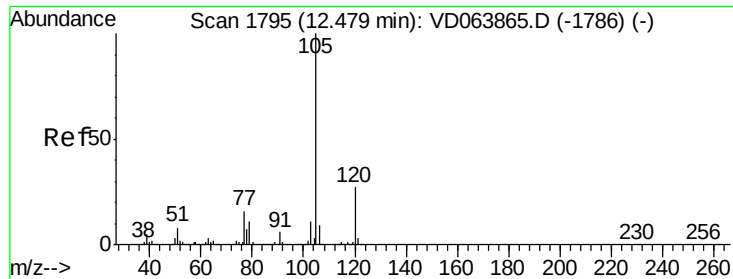


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.734 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

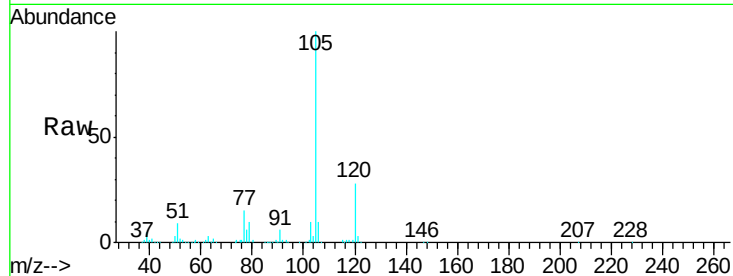
VD1004SBS01

Tgt Ion:105 Resp: 227020

Ion Ratio Lower Upper

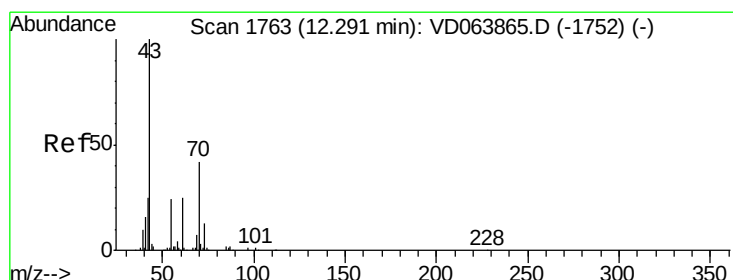
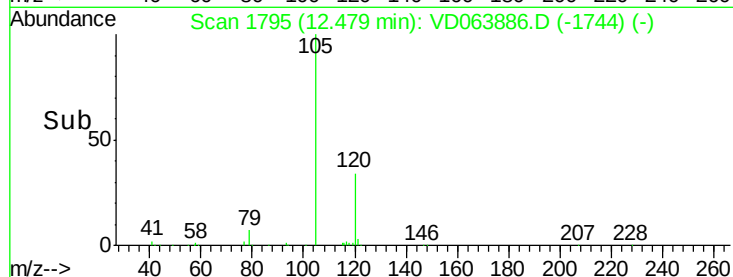
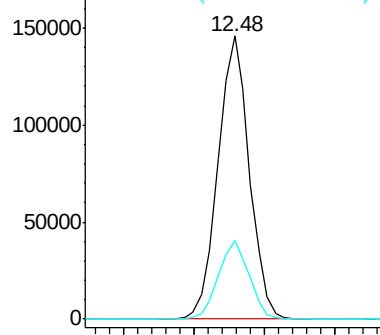
105 100

120 27.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.133 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Tgt Ion: 43 Resp: 49819

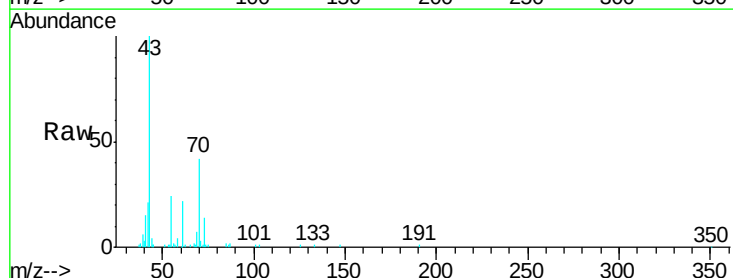
Ion Ratio Lower Upper

43 100

70 46.6 35.8 53.6

55 24.1 19.4 29.0

61 25.5 20.4 30.6

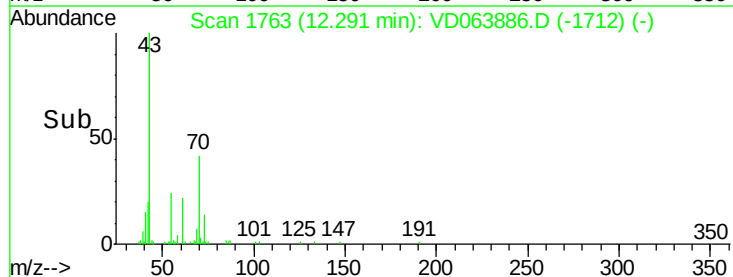
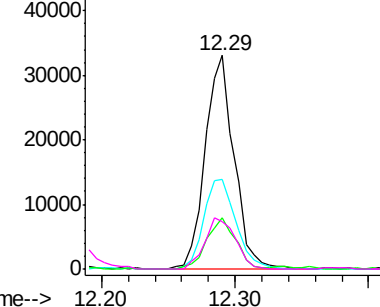


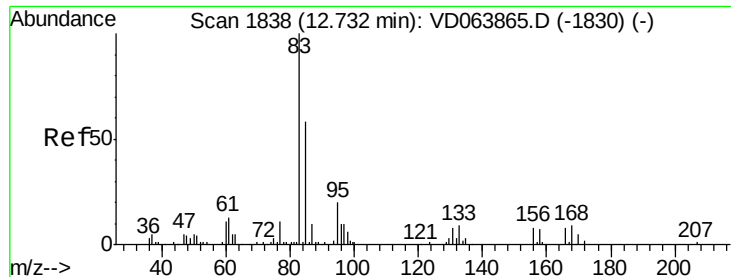
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.770 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

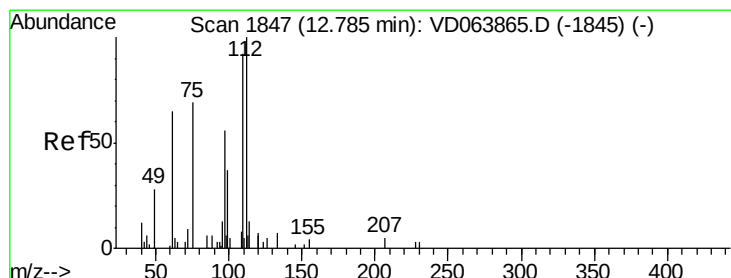
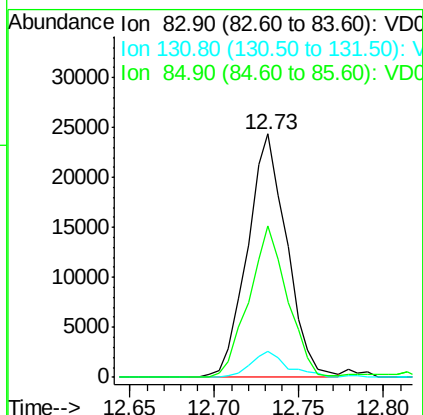
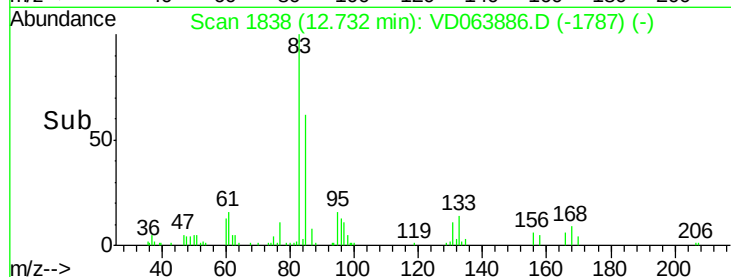
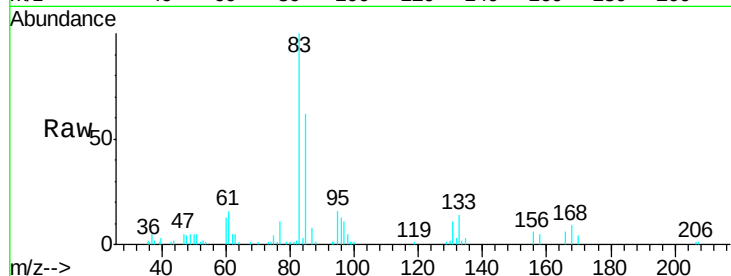
Tgt Ion: 83 Resp: 39573

Ion Ratio Lower Upper

83 100

131 9.8 5.6 16.8

85 60.9 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 46.782 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063886.D

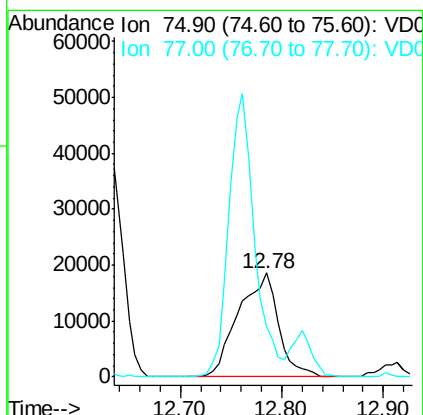
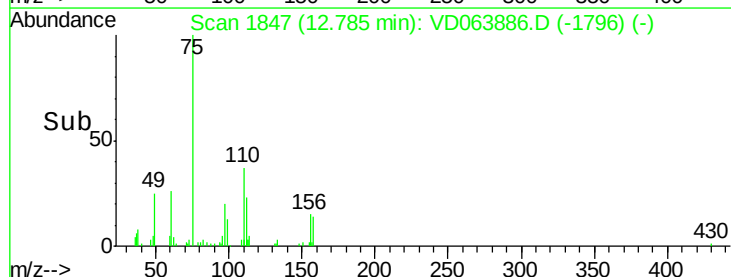
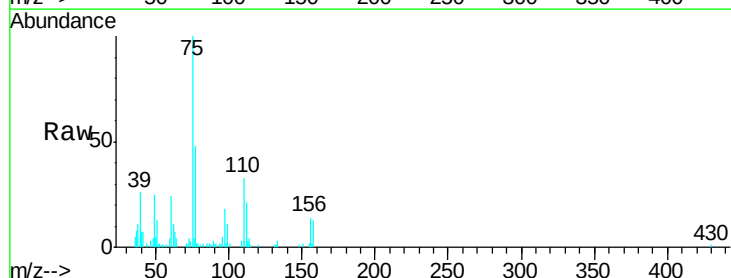
Acq: 04 Oct 2019 14:38

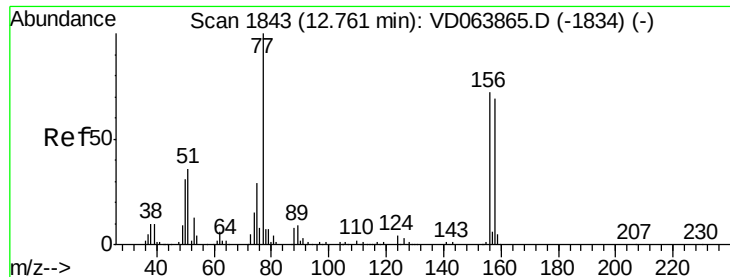
Tgt Ion: 75 Resp: 51033

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.735 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

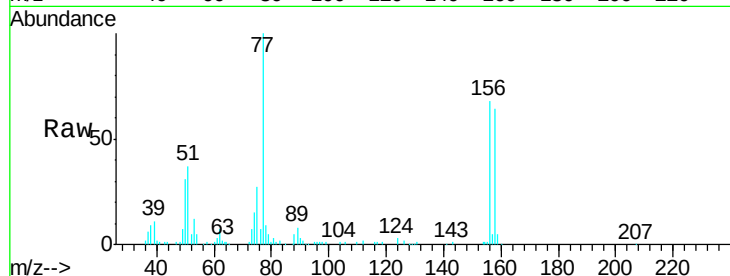
Tgt Ion:156 Resp: 53834

Ion Ratio Lower Upper

156 100

77 167.9 80.3 241.0

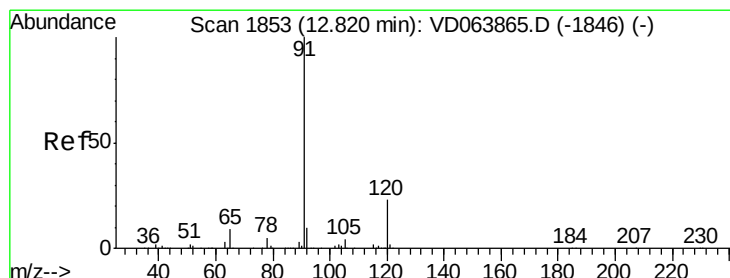
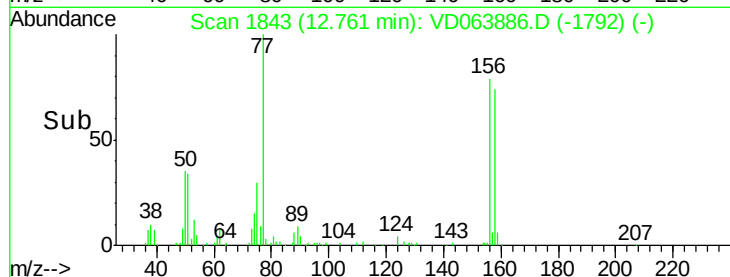
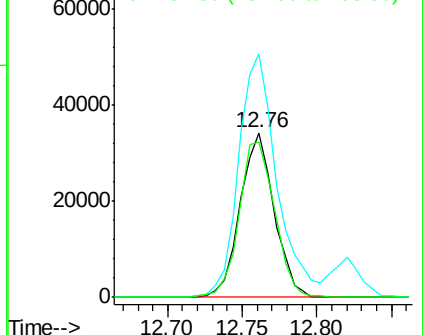
158 98.9 47.4 142.2



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: 21.323 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063886.D

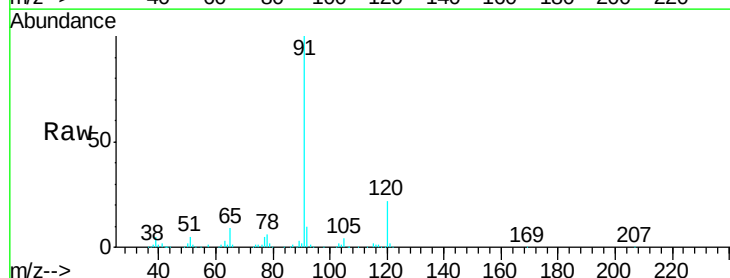
Acq: 04 Oct 2019 14:38

Tgt Ion: 91 Resp: 274042

Ion Ratio Lower Upper

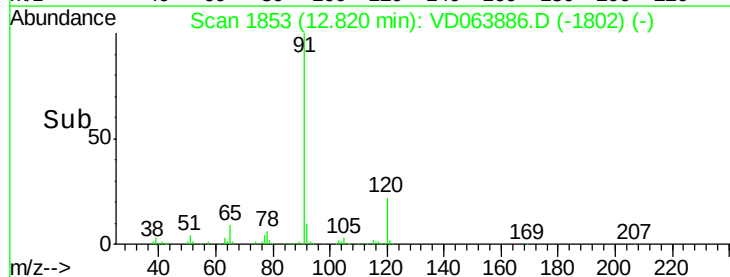
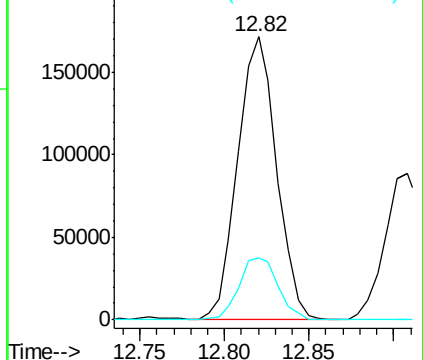
91 100

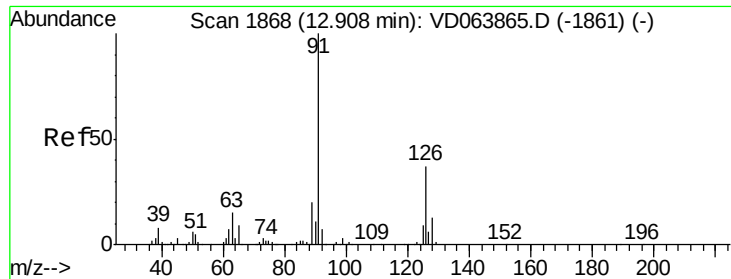
120 22.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

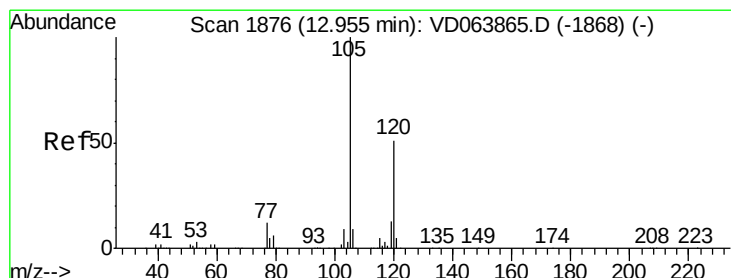
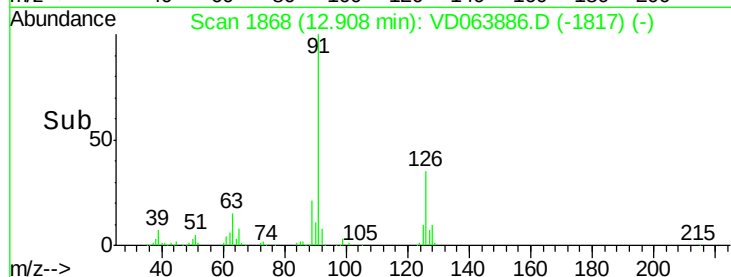
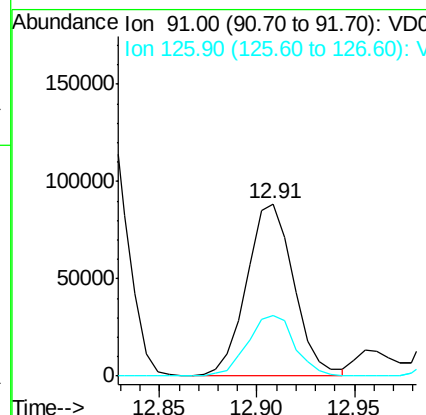
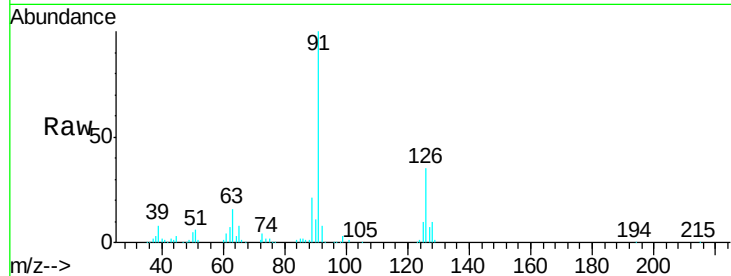




#79
 2-Chlorotoluene
 Concen: 21.030 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

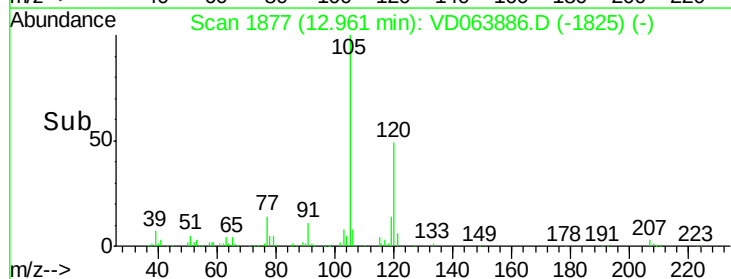
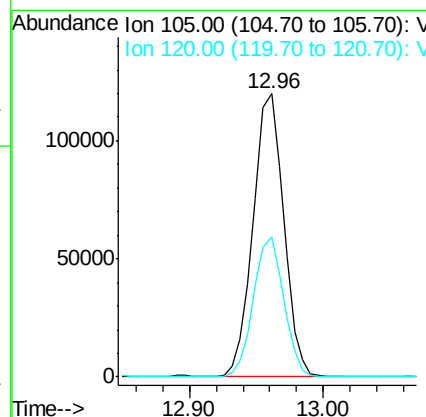
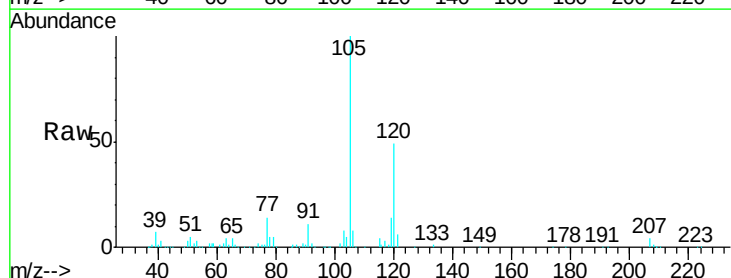
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

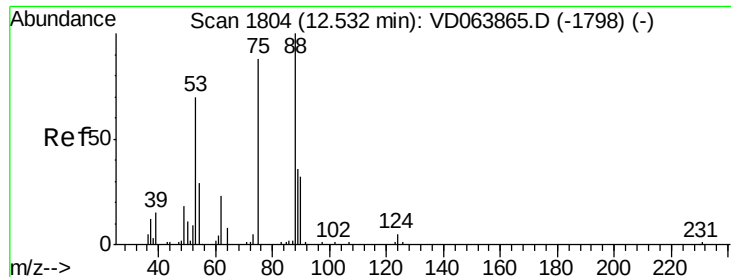
Tgt Ion: 91 Resp: 149029
 Ion Ratio Lower Upper
 91 100
 126 35.3 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.835 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion: 105 Resp: 190318
 Ion Ratio Lower Upper
 105 100
 120 48.7 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.989 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063886.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

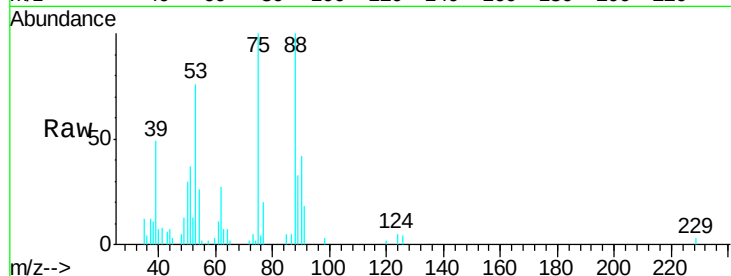
Tgt Ion: 75 Resp: 12322

Ion Ratio Lower Upper

75 100

53 97.4 75.0 112.6

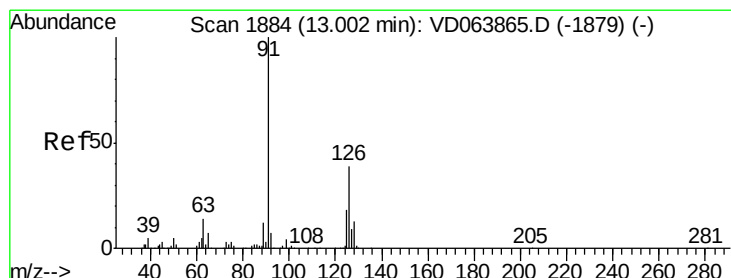
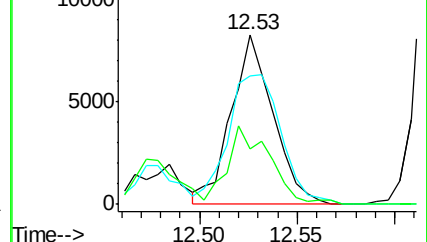
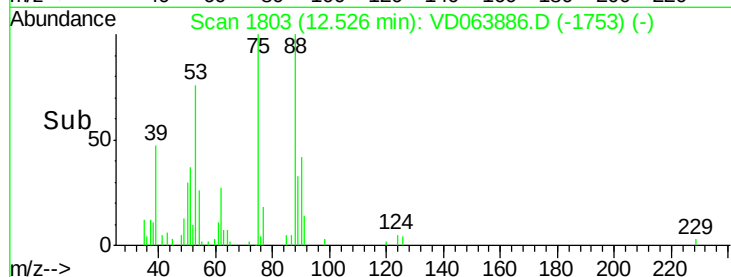
89 46.8 38.2 57.4



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: 20.934 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063886.D

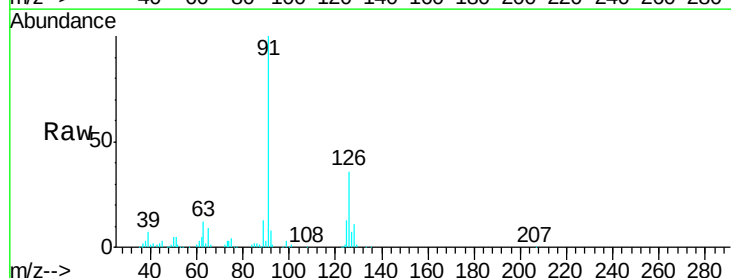
Acq: 04 Oct 2019 14:38

Tgt Ion: 91 Resp: 157372

Ion Ratio Lower Upper

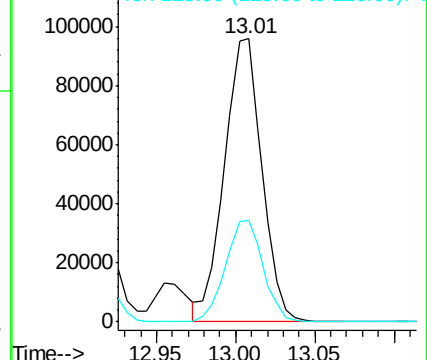
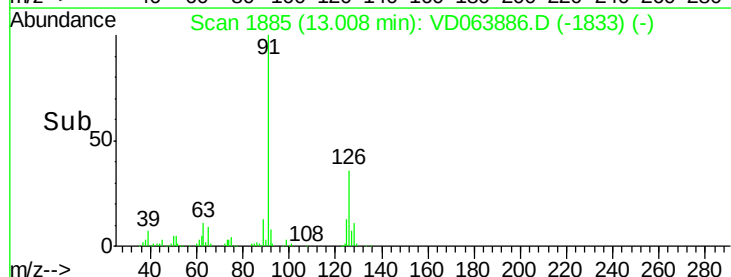
91 100

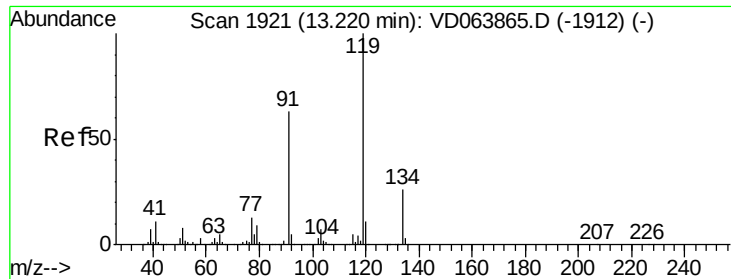
126 36.0 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

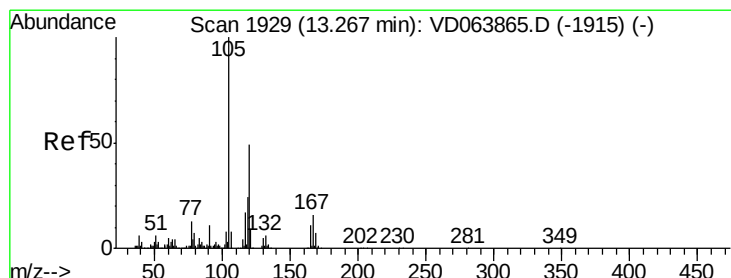
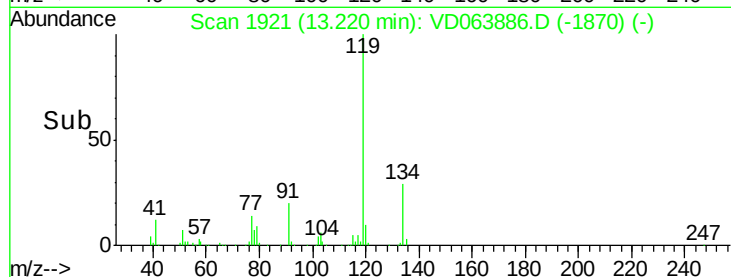
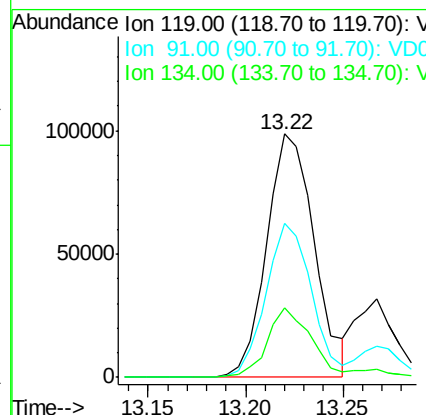
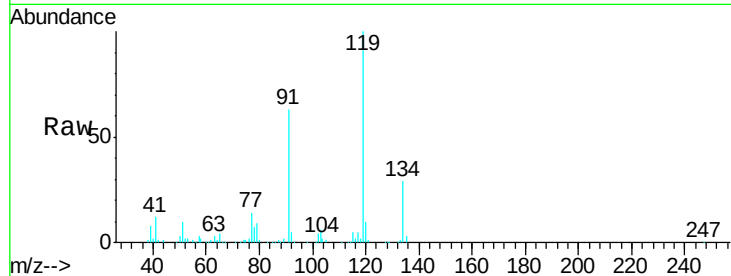




#83
 tert-Butylbenzene
 Concen: 20.552 ug/l
 RT: 13.22 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

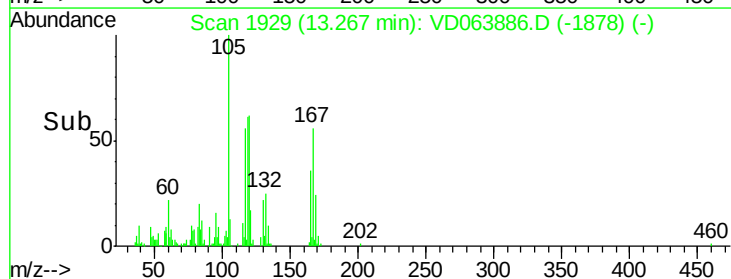
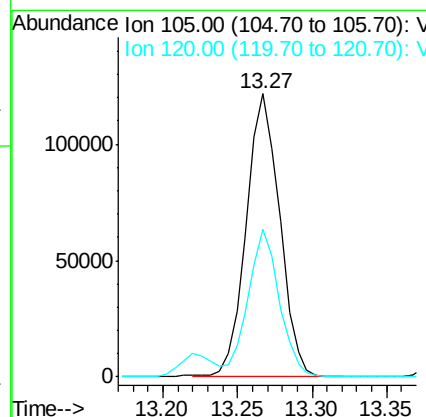
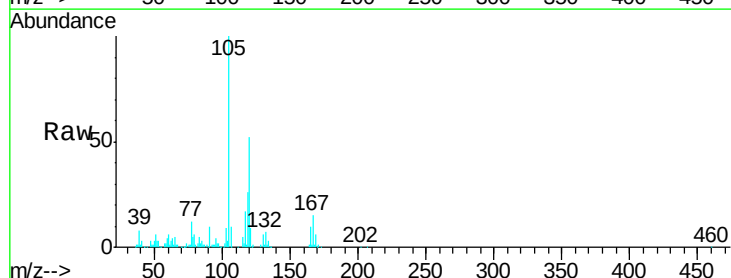
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

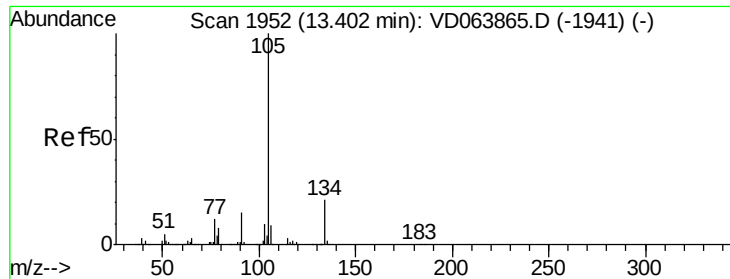
Tgt Ion:119 Resp: 167075
 Ion Ratio Lower Upper
 119 100
 91 60.4 30.0 90.0
 134 25.9 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.996 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion:105 Resp: 188305
 Ion Ratio Lower Upper
 105 100
 120 49.0 23.8 71.5

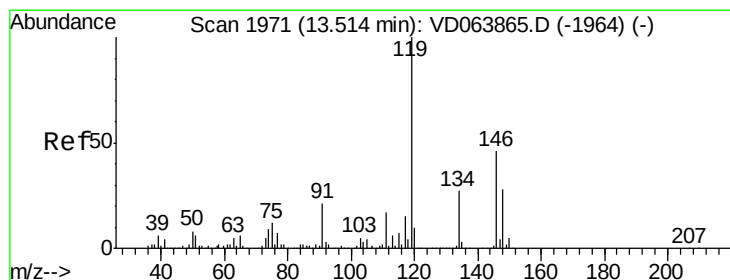
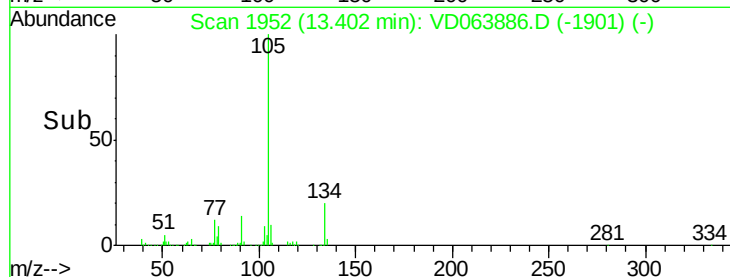
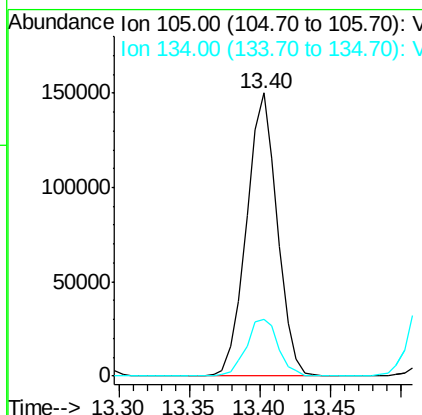
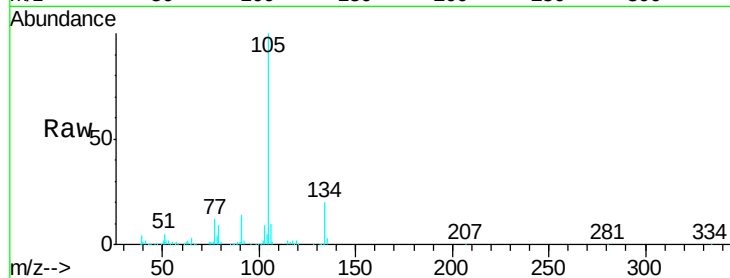




#85
 sec-Butylbenzene
 Concen: 20.864 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

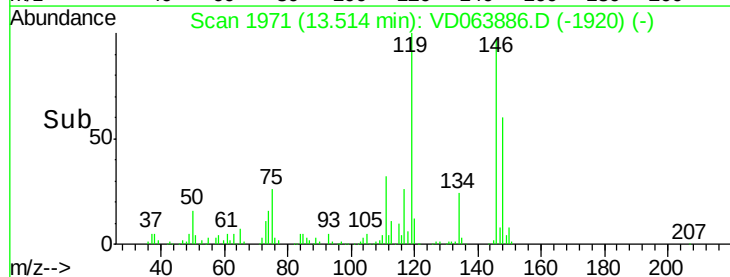
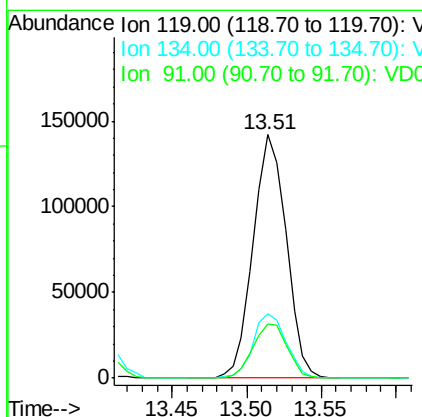
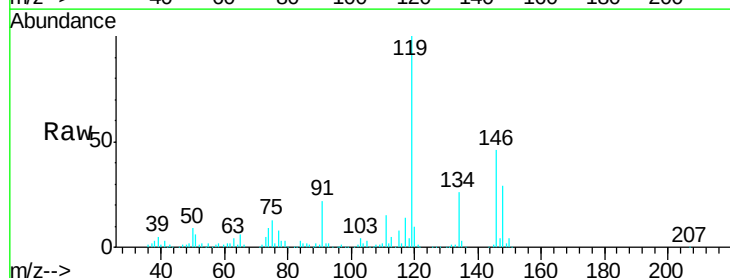
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

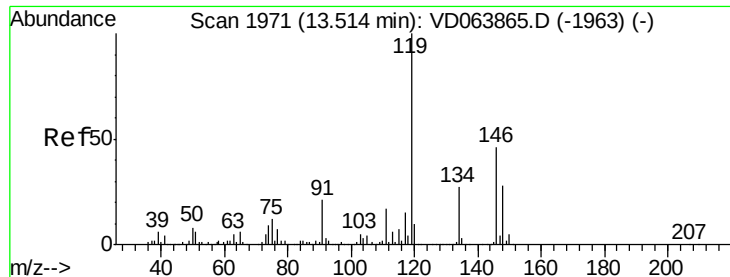
Tgt Ion:105 Resp: 229060
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 20.925 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion:119 Resp: 217389
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.9 41.6
 91 23.5 11.2 33.5

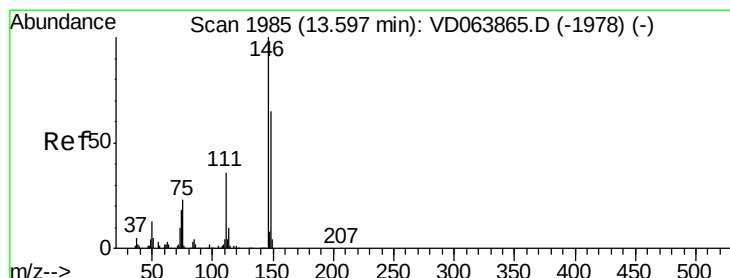
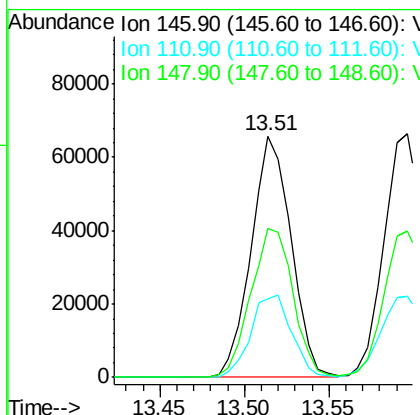
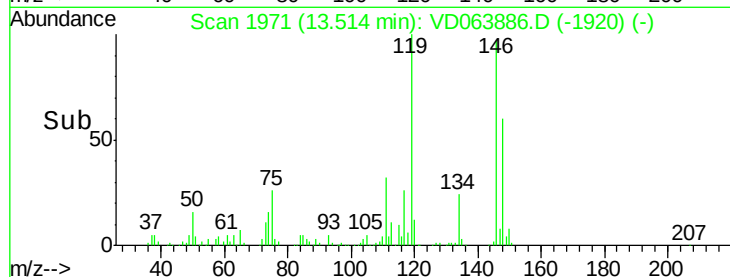
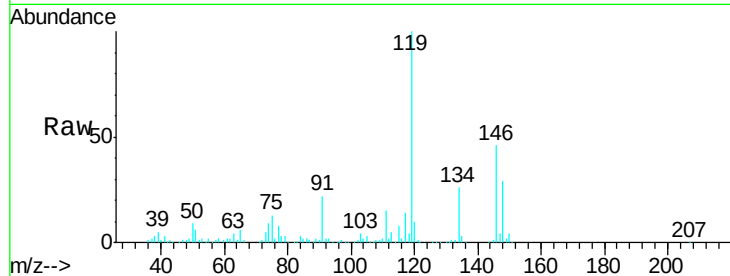




#87
 1,3-Dichlorobenzene
 Concen: 20.031 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

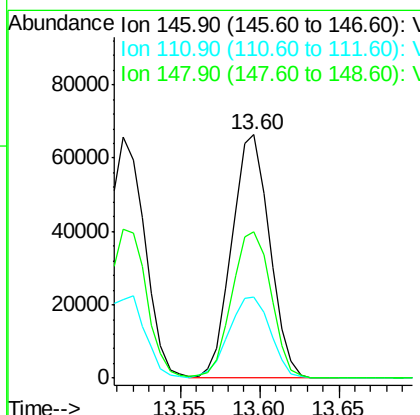
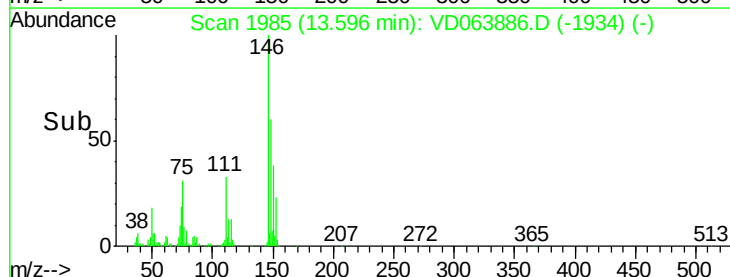
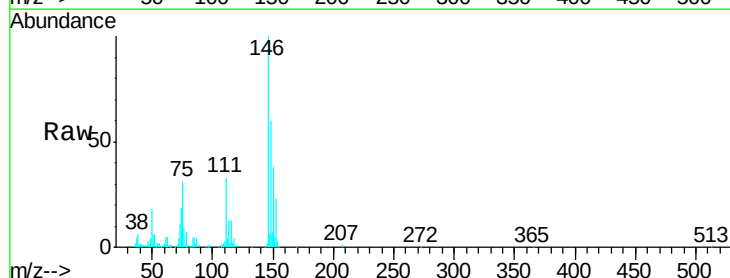
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

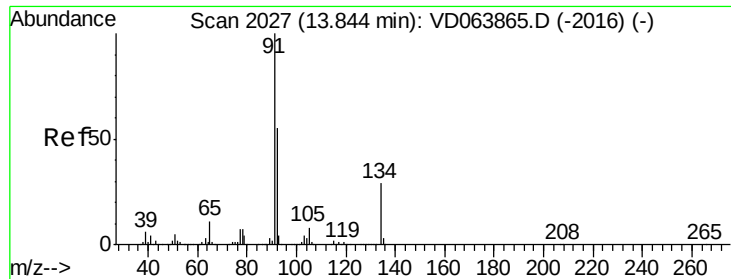
Tgt Ion:146 Resp: 107968
 Ion Ratio Lower Upper
 146 100
 111 35.1 18.3 54.9
 148 65.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.680 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion:146 Resp: 109963
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.6 56.0
 148 62.0 32.6 98.0

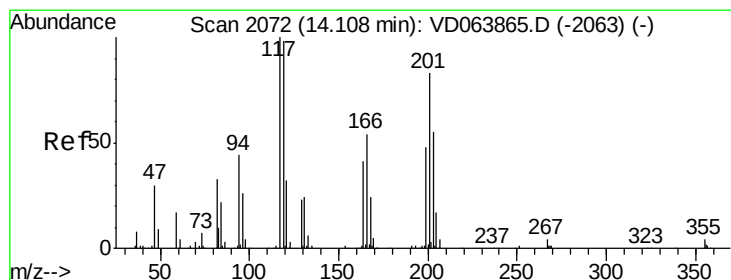
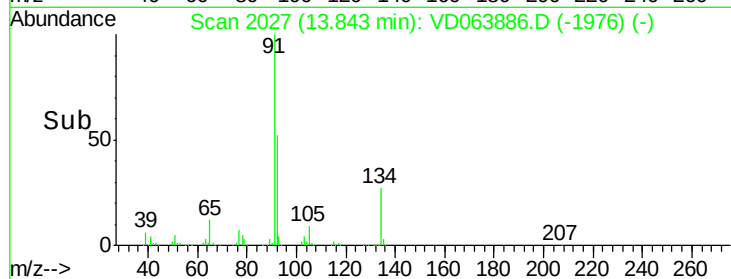
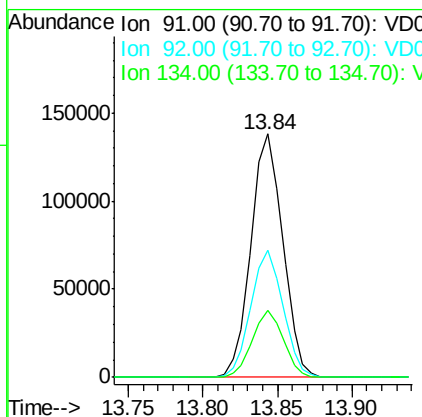
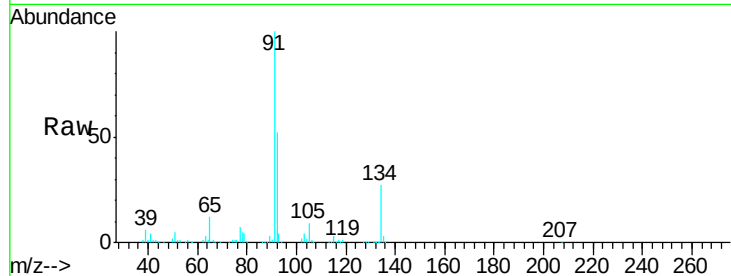




#89
n-Butylbenzene
Concen: 21.051 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

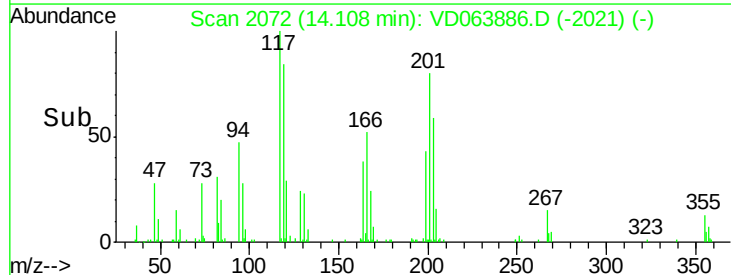
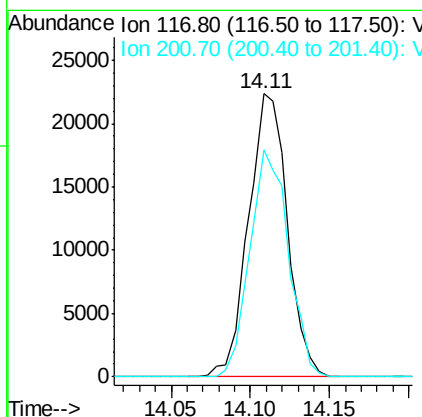
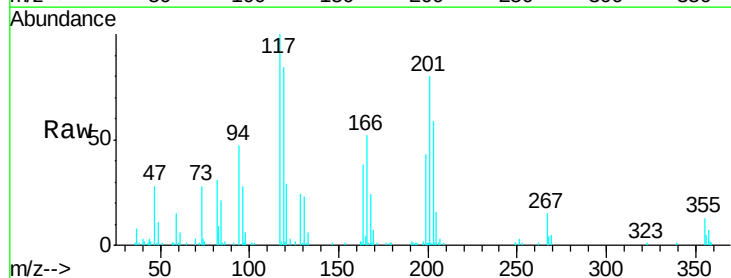
Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

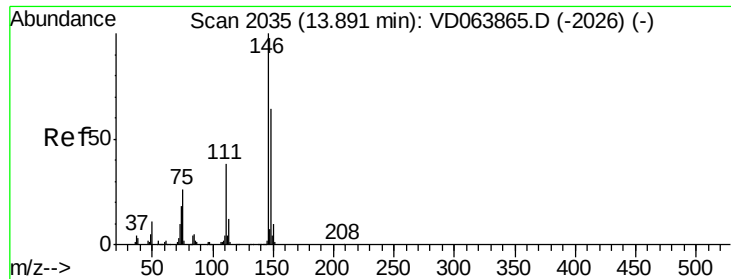
Tgt Ion: 91 Resp: 203565
Ion Ratio Lower Upper
91 100
92 52.9 26.8 80.3
134 27.0 14.4 43.0



#90
Hexachloroethane
Concen: 20.395 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 117 Resp: 38107
Ion Ratio Lower Upper
117 100
201 79.4 40.6 121.7

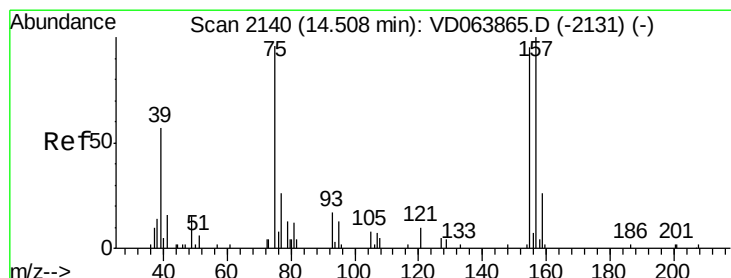
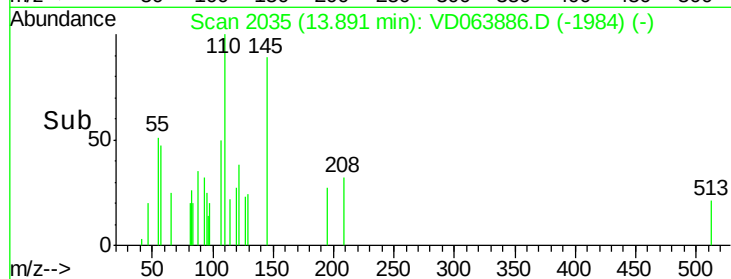
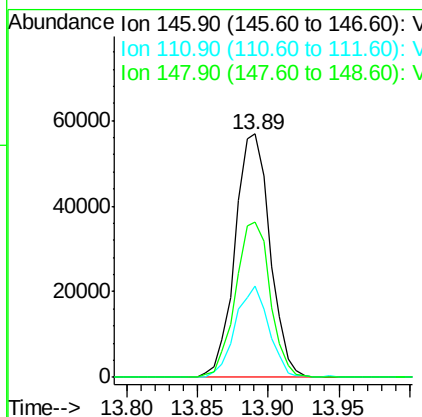
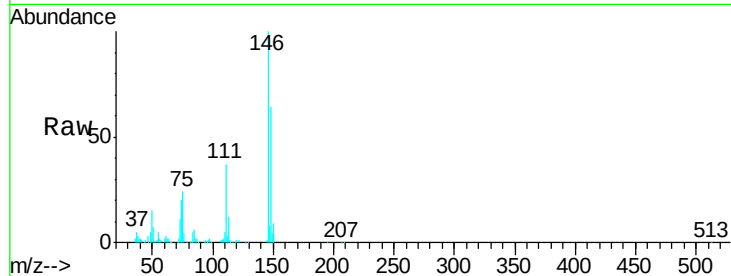




#91
 1,2-Dichlorobenzene
 Concen: 21.149 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

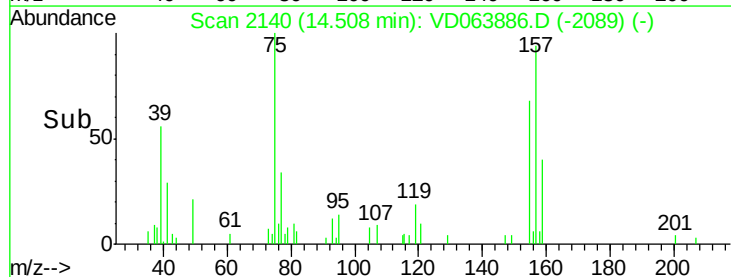
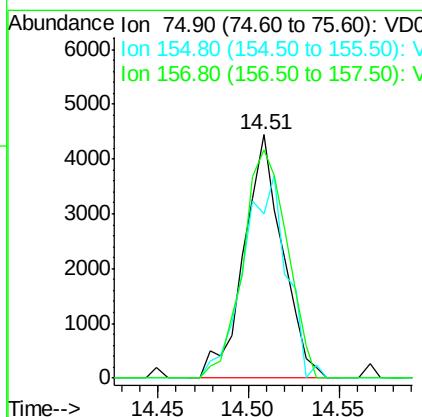
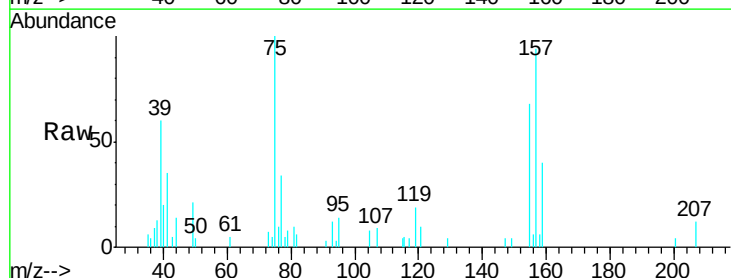
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

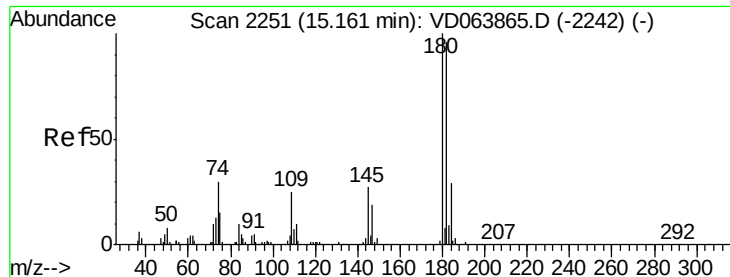
Tgt Ion: 146 Resp: 98235
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.6 55.6
 148 63.3 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.947 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion: 75 Resp: 6575
 Ion Ratio Lower Upper
 75 100
 155 93.2 43.9 131.6
 157 107.1 56.0 167.9

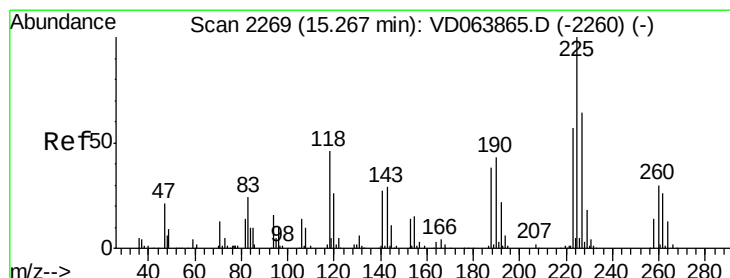
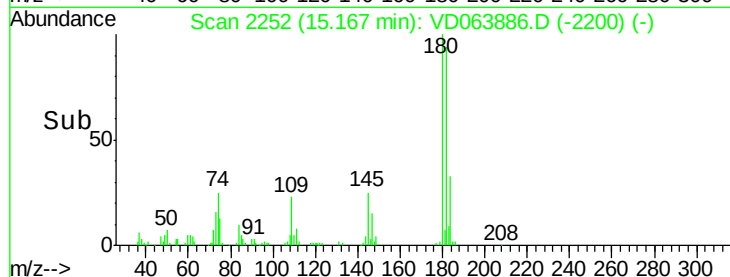
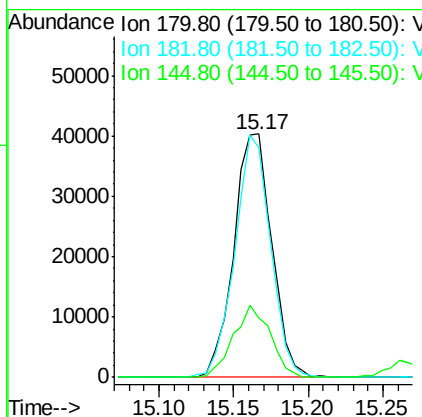
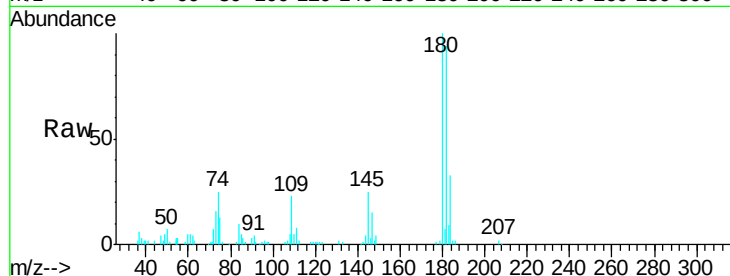




#93
 1,2,4-Trichlorobenzene
 Concen: 19.907 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

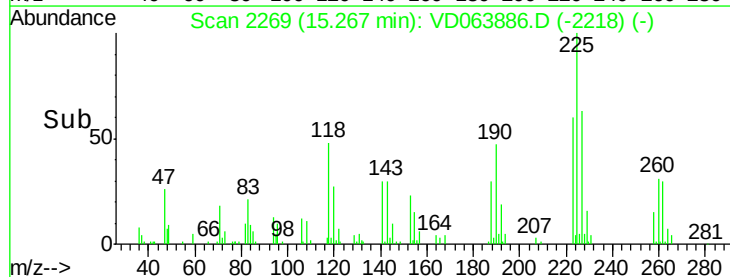
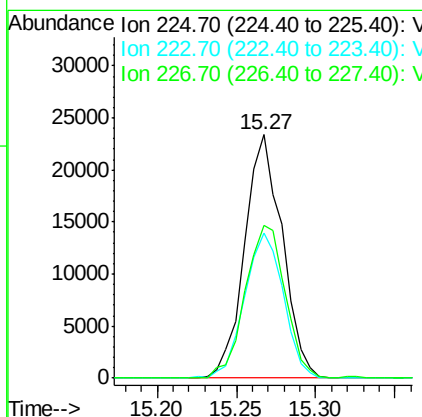
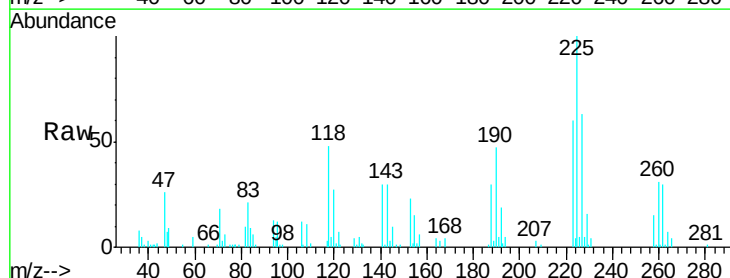
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

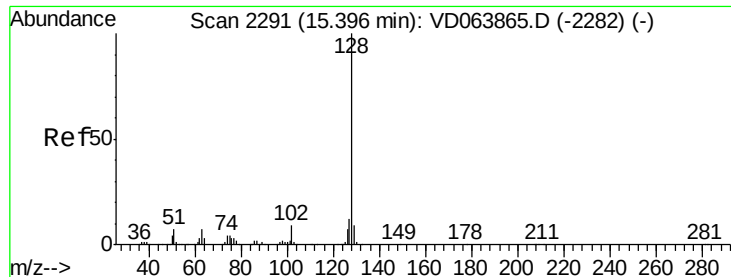
Tgt Ion:180 Resp: 71348
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.4 142.3
 145 28.8 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 19.545 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063886.D
 Acq: 04 Oct 2019 14:38

Tgt Ion:225 Resp: 38656
 Ion Ratio Lower Upper
 225 100
 223 61.2 29.5 88.6
 227 66.6 30.8 92.4

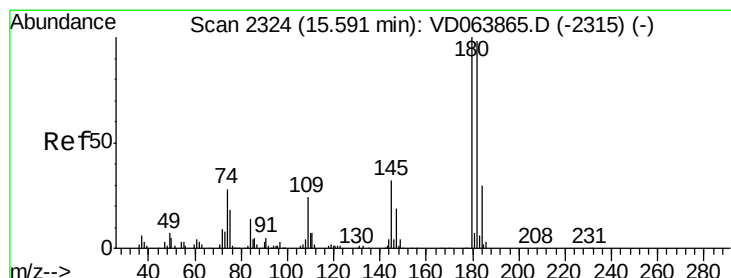
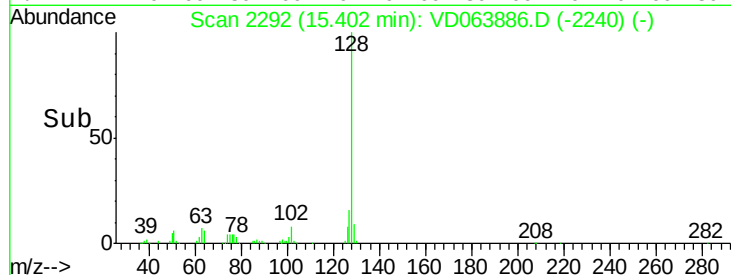
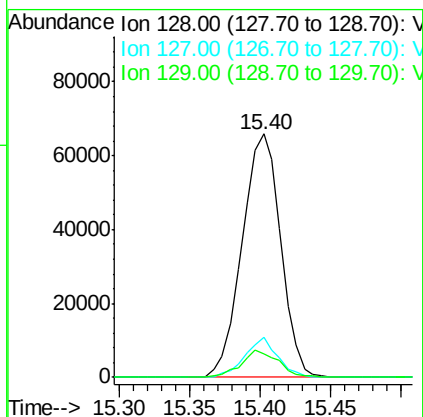
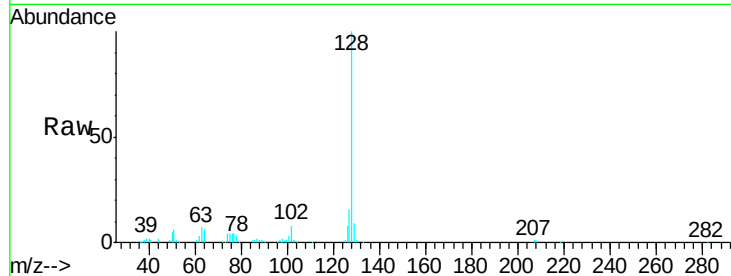




#95
Naphthalene
Concen: 20.921 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tgt Ion:128 Resp: 126032
Ion Ratio Lower Upper
128 100
127 13.8 10.6 16.0
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.284 ug/l
RT: 15.59 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VD063886.D
Acq: 04 Oct 2019 14:38

Tgt Ion:180 Resp: 62724
Ion Ratio Lower Upper
180 100
182 97.1 47.0 141.0
145 29.5 15.3 45.9

