

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063929.D
 Acq On : 11 Oct 2019 11:29
 Operator : VA/SY
 Sample : VD1011SBS01
 Misc : 5.00G/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Quant Time: Oct 12 01:34:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	152137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	244032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	239100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	123711	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	73933	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	7.91	113	76902	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
50) Toluene-d8	10.34	98	315166	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
62) 4-Bromofluorobenzene	12.64	95	102169	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	23705	21.971	ug/l 99
3) Chloromethane	2.21	50	72848	22.595	ug/l 97
4) Vinyl Chloride	2.35	62	85882	24.629	ug/l 96
5) Bromomethane	2.76	94	50491	22.522	ug/l 92
6) Chloroethane	2.93	64	54261	23.529	ug/l 100
7) Trichlorofluoromethane	3.27	101	114858	24.913	ug/l 92
8) Diethyl Ether	3.71	74	14935	20.182	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	31497	24.680	ug/l 92
10) Methyl Iodide	4.29	142	34949	19.874	ug/l 98
11) Tert butyl alcohol	5.22	59	1244	4.204	ug/l # 71
12) 1,1-Dichloroethene	4.06	96	28902	22.668	ug/l 85
13) Acrolein	3.92	56	11134	84.164	ug/l 95
14) Allyl chloride	4.71	41	45329	21.383	ug/l 100
15) Acrylonitrile	5.43	53	35818	109.784	ug/l 100
16) Acetone	4.16	43	35889	93.066	ug/l # 88
17) Carbon Disulfide	4.40	76	93438	20.160	ug/l # 93
18) Methyl Acetate	4.72	43	17968	23.822	ug/l 93
19) Methyl tert-butyl Ether	5.49	73	65817	19.934	ug/l # 83
20) Methylene Chloride	4.96	84	39462	21.337	ug/l 96
21) trans-1,2-Dichloroethene	5.47	96	36438	22.957	ug/l 95
22) Diisopropyl ether	6.37	45	95098	21.966	ug/l 93
23) Vinyl Acetate	6.31	43	267609	103.906	ug/l 96
24) 1,1-Dichloroethane	6.26	63	59441	22.290	ug/l 99
25) 2-Butanone	7.22	43	46859	102.533	ug/l 97
26) 2,2-Dichloropropane	7.21	77	50450	20.914	ug/l 98
27) cis-1,2-Dichloroethene	7.21	96	39672	22.082	ug/l 96
28) Bromochloromethane	7.55	49	19554	20.432	ug/l # 90
29) Tetrahydrofuran	7.57	42	27860	104.443	ug/l # 78
30) Chloroform	7.71	83	62510	21.582	ug/l 95
31) Cyclohexane	7.98	56	57116	23.815	ug/l 97
32) 1,1,1-Trichloroethane	7.91	97	56431	22.713	ug/l 96
36) 1,1-Dichloropropene	8.11	75	50668	22.708	ug/l 97
37) Ethyl Acetate	7.30	43	18955	18.688	ug/l 97
38) Carbon Tetrachloride	8.09	117	50595	22.439	ug/l 96

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 Misc : 5.00G/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Quant Time: Oct 12 01:34:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	63796	23.254	ug/l	91
40) Benzene	8.35	78	142017	22.211	ug/l	100
41) Methacrylonitrile	7.53	41	13256	25.625	ug/l #	75
42) 1,2-Dichloroethane	8.43	62	40386	21.835	ug/l	99
43) Isopropyl Acetate	8.46	43	37180	19.870	ug/l	98
44) Trichloroethene	9.11	130	39550	21.450	ug/l	85
45) 1,2-Dichloropropane	9.39	63	34984	22.353	ug/l	92
46) Dibromomethane	9.48	93	18349	20.586	ug/l	95
47) Bromodichloromethane	9.67	83	47931	20.887	ug/l	95
48) Methyl methacrylate	9.46	41	18774	20.940	ug/l	93
49) 1,4-Dioxane	9.47	88	4926	404.886	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	98765	101.773	ug/l	98
52) Toluene	10.40	92	98803	22.509	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	46102	20.588	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	53740	20.848	ug/l	90
55) 1,1,2-Trichloroethane	10.80	97	26635	21.164	ug/l	92
56) Ethyl methacrylate	10.66	69	30919	19.401	ug/l	92
57) 1,3-Dichloropropane	10.94	76	44782	20.798	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	68573	100.101	ug/l	97
59) 2-Hexanone	10.98	43	73742	105.047	ug/l	96
60) Dibromochloromethane	11.14	129	34251	20.905	ug/l	92
61) 1,2-Dibromoethane	11.25	107	26850	22.007	ug/l	95
64) Tetrachloroethene	10.88	164	35933	22.014	ug/l	95
65) Chlorobenzene	11.67	112	106037	22.083	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	38060	21.511	ug/l	97
67) Ethyl Benzene	11.74	91	190494	22.001	ug/l	96
68) m/p-Xylenes	11.86	106	145342	43.489	ug/l	95
69) o-Xylene	12.18	106	70079	21.899	ug/l	96
70) Styrene	12.20	104	117942	21.771	ug/l	98
71) Bromoform	12.37	173	19706	20.753	ug/l #	99
73) Isopropylbenzene	12.48	105	191249	22.996	ug/l	100
74) N-amyl acetate	12.29	43	36914	20.616	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	30492	21.070	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	39901	48.156	ug/l #	100
77) Bromobenzene	12.76	156	46834	22.603	ug/l	95
78) n-propylbenzene	12.82	91	233184	23.887	ug/l	98
79) 2-Chlorotoluene	12.91	91	121362	22.547	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	158663	22.868	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	9871	21.081	ug/l	97
82) 4-Chlorotoluene	13.01	91	125288	21.942	ug/l	98
83) tert-Butylbenzene	13.23	119	139296	22.559	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	157150	21.970	ug/l	100
85) sec-Butylbenzene	13.40	105	196122	23.519	ug/l	99
86) p-Isopropyltoluene	13.52	119	182836	23.171	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	91369	22.318	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	90356	22.371	ug/l	98
89) n-Butylbenzene	13.84	91	171014	23.283	ug/l	99
90) Hexachloroethane	14.11	117	31577	22.250	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	79613	22.565	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.50	75	5262	22.027	ug/l	94

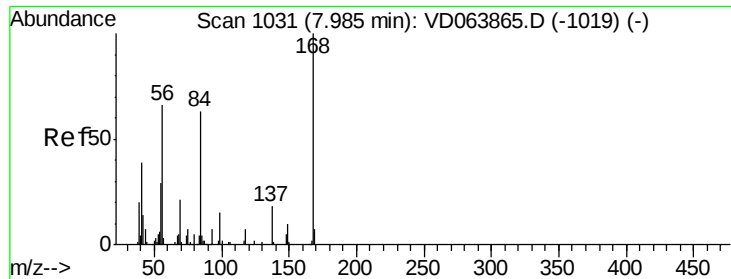
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	54901	20.167	ug/l	99
94) Hexachlorobutadiene	15.27	225	33564	22.342	ug/l	97
95) Naphthalene	15.40	128	94223	20.592	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	48558	20.673	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

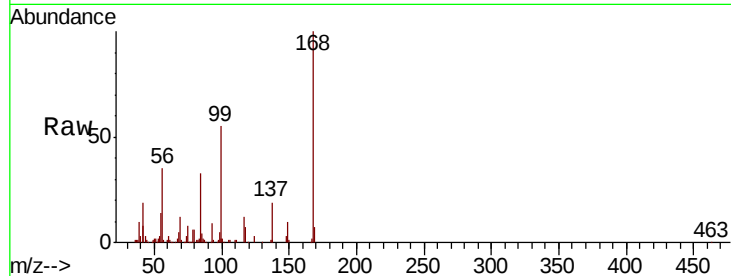
VD1011SBS01

Tot Ion:168 Resp: 152137

Ion Ratio Lower Upper

168 100

99 55.0 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

60000

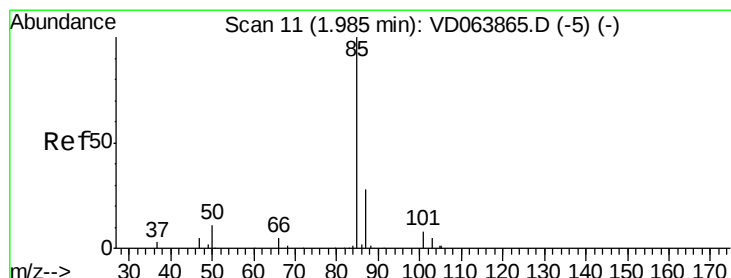
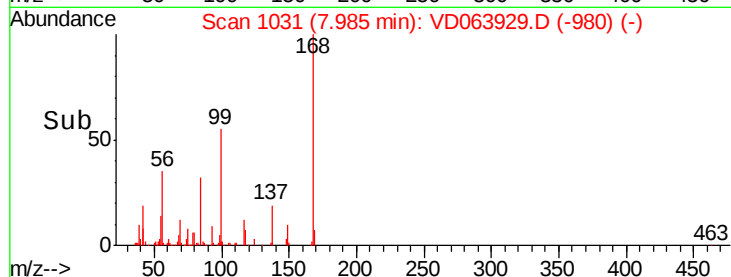
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.971 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063929.D

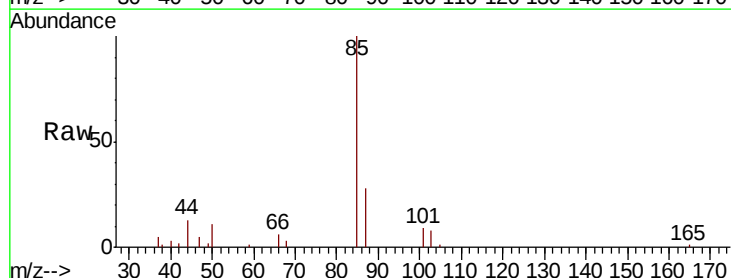
Acq: 11 Oct 2019 11:29

Tgt Ion: 85 Resp: 23705

Ion Ratio Lower Upper

85 100

87 28.4 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

15000

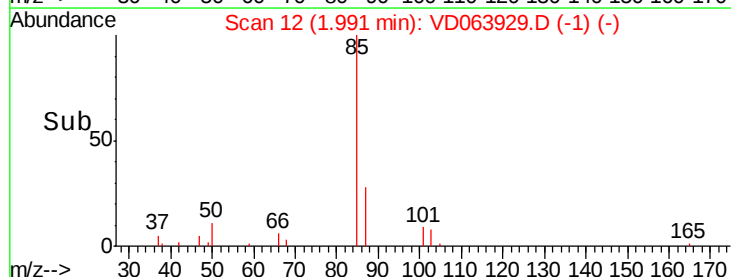
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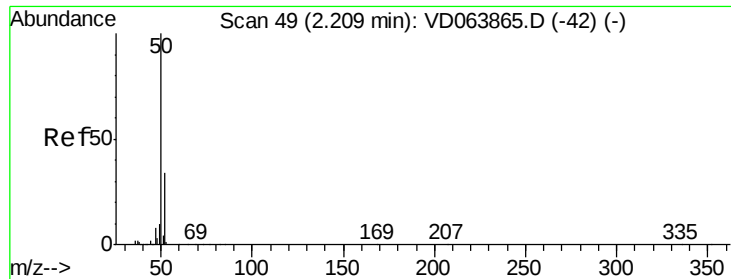
5000

0

1.95 2.00 2.05

Time-->

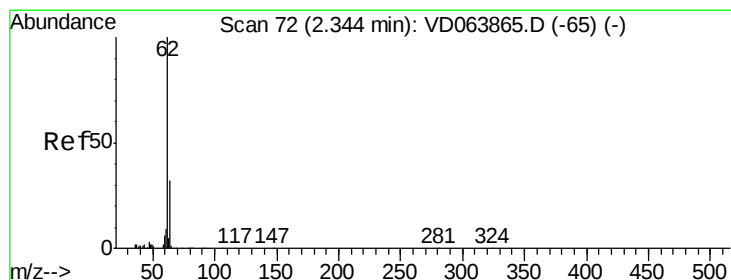
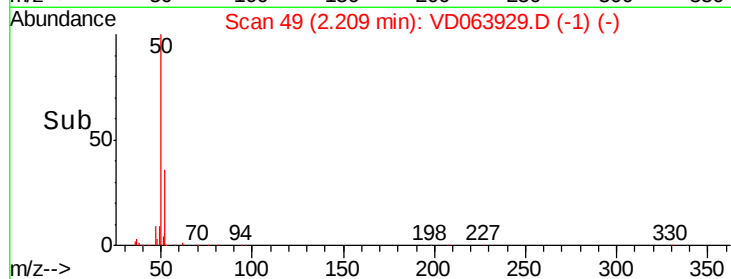
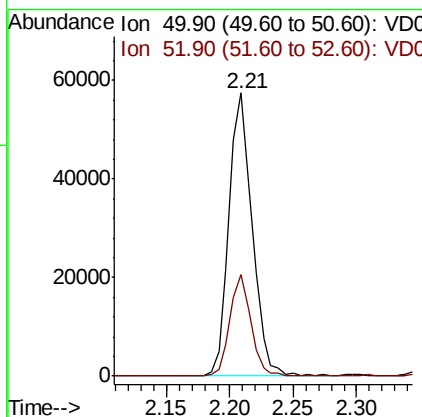
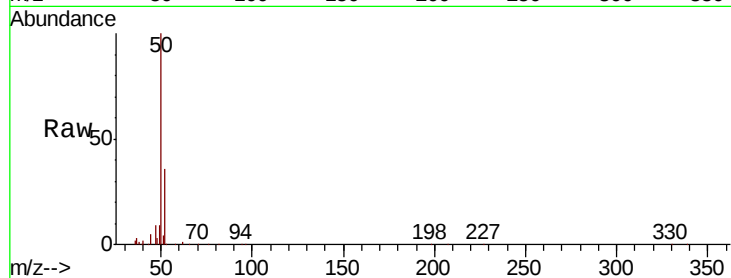




#3
Chloromethane
Concen: 22.595 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

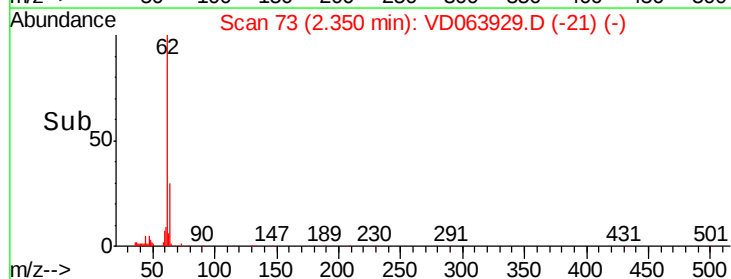
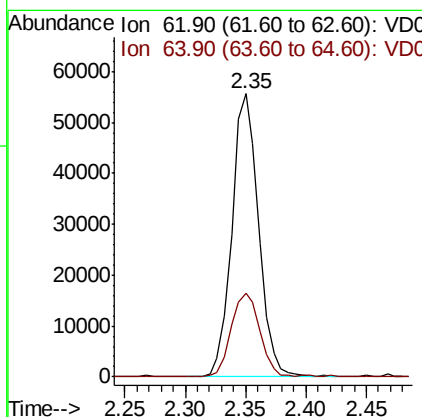
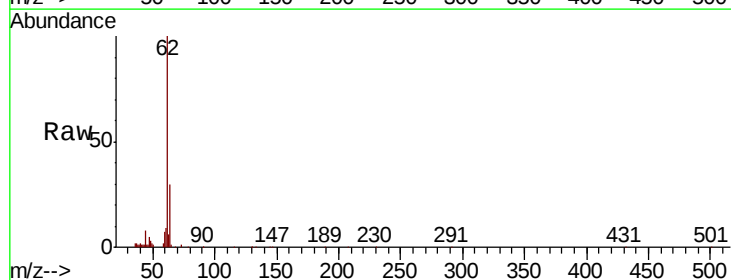
Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

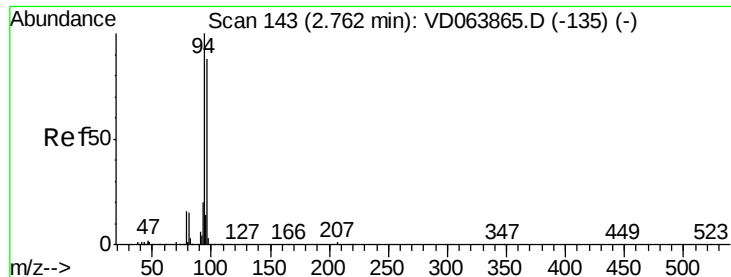
Tot Ion: 50 Resp: 72848
Ion Ratio Lower Upper
50 100
52 36.1 27.5 41.3



#4
Vinyl Chloride
Concen: 24.629 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion: 62 Resp: 85882
Ion Ratio Lower Upper
62 100
64 29.5 25.4 38.0





#5

Bromomethane

Concen: 22.522 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

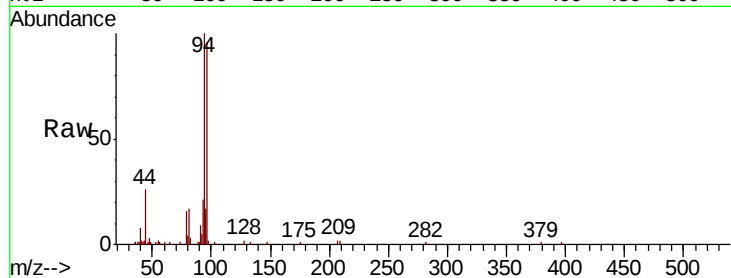
VD1011SBS01

Tot Ion: 94 Resp: 50491

Ion Ratio Lower Upper

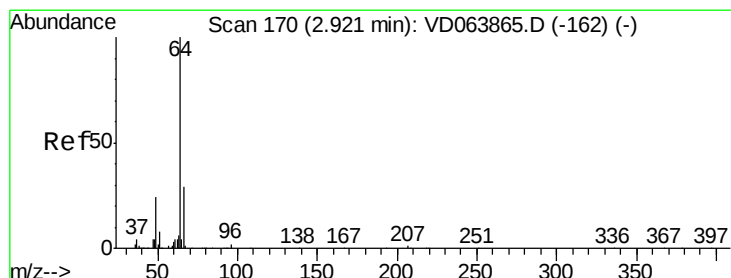
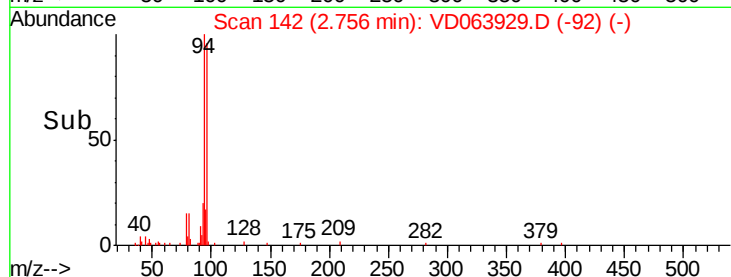
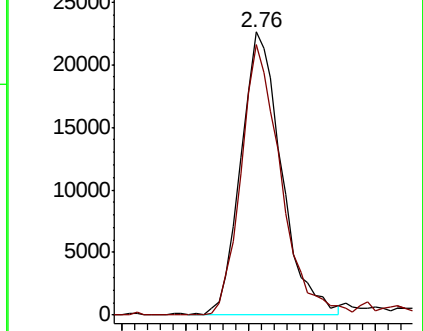
94 100

96 95.8 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.529 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063929.D

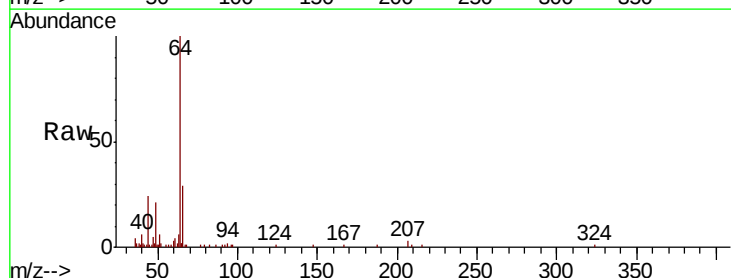
Acq: 11 Oct 2019 11:29

Tgt Ion: 64 Resp: 54261

Ion Ratio Lower Upper

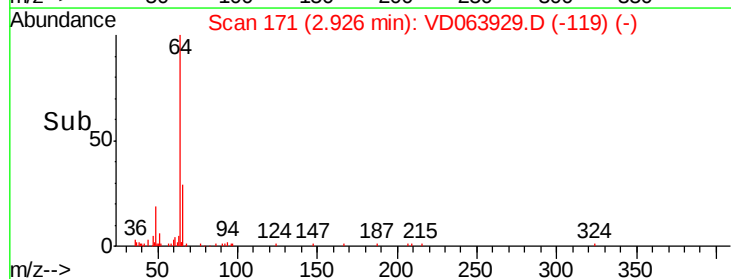
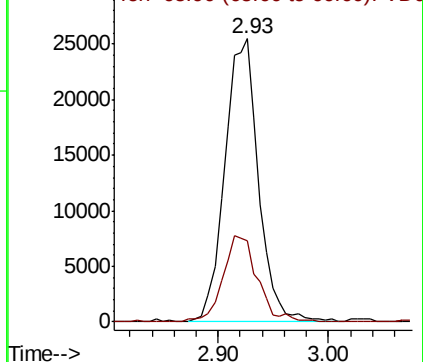
64 100

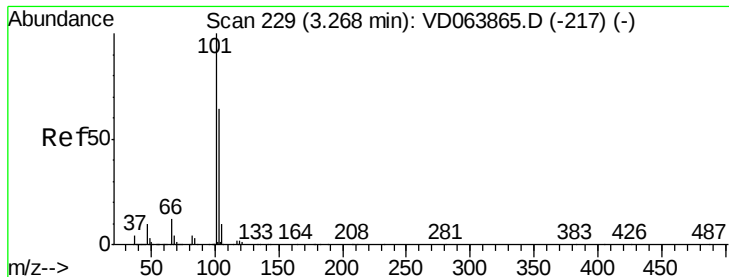
66 28.8 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



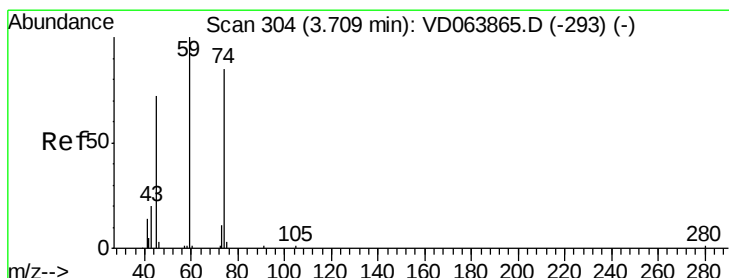
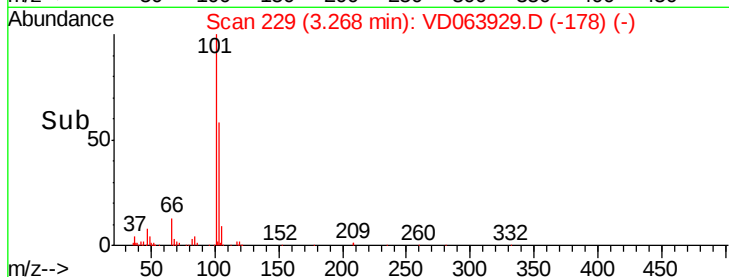
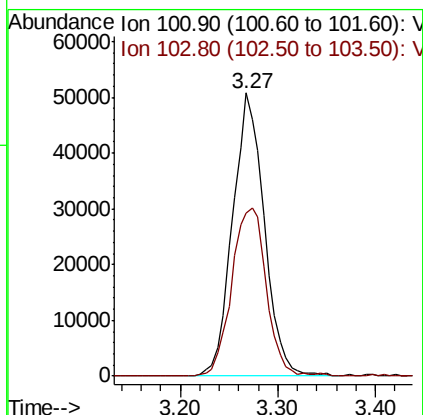
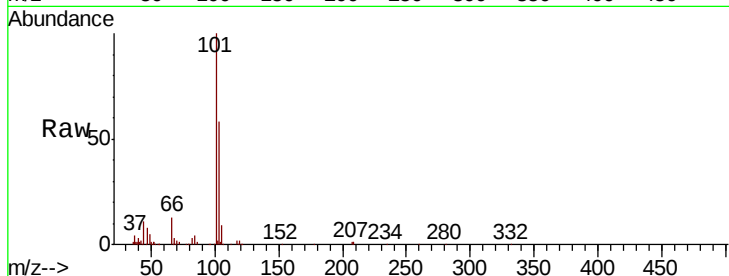


#7

Trichlorofluoromethane
 Concen: 24.913 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

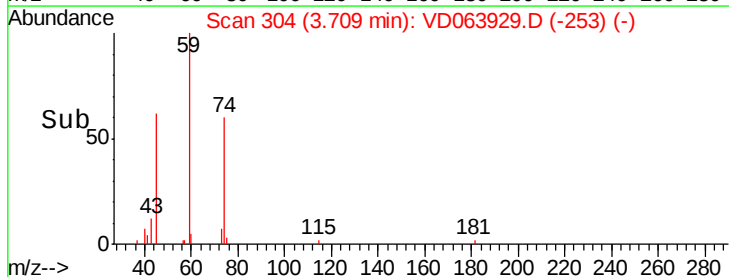
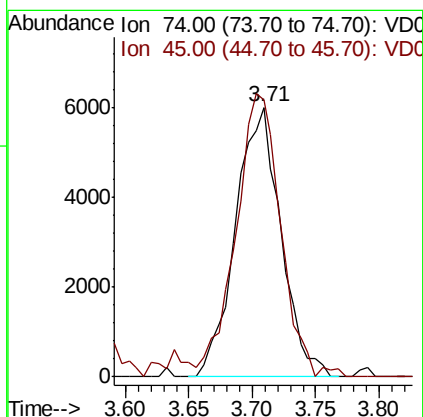
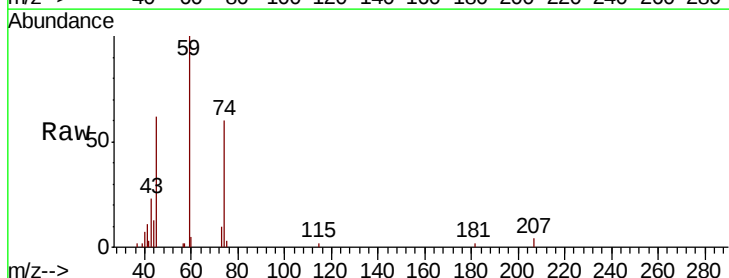
Tot Ion:101 Resp: 114858
 Ion Ratio Lower Upper
 101 100
 103 57.6 51.1 76.7

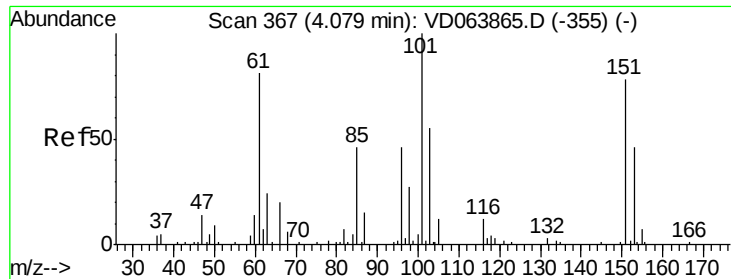


#8

Diethyl Ether
 Concen: 20.182 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Tgt Ion: 74 Resp: 14935
 Ion Ratio Lower Upper
 74 100
 45 97.7 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.680 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

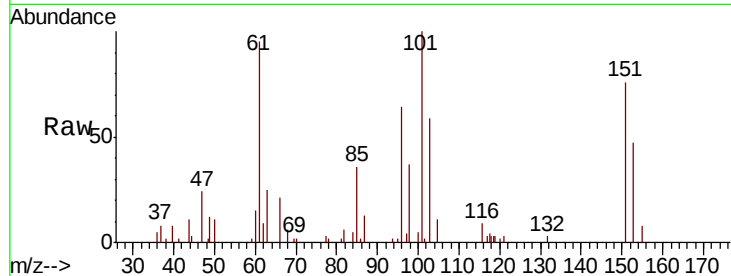
Tot Ion:101 Resp: 31497

Ion Ratio Lower Upper

101 100

85 44.1 37.5 56.3

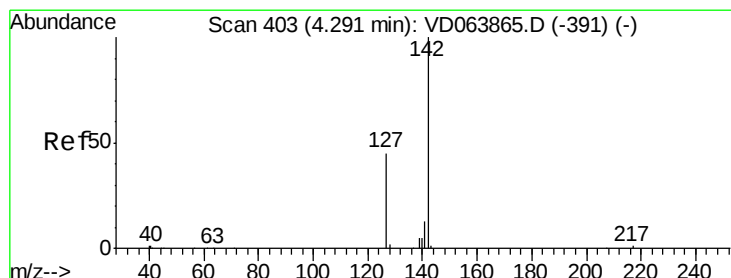
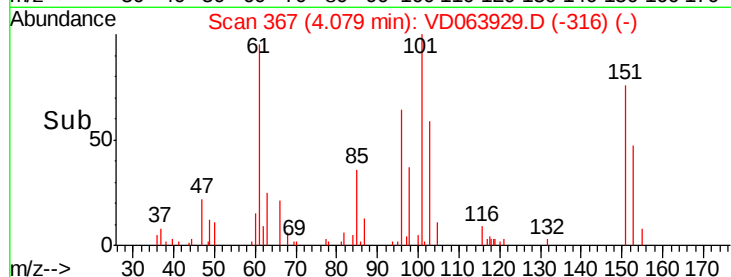
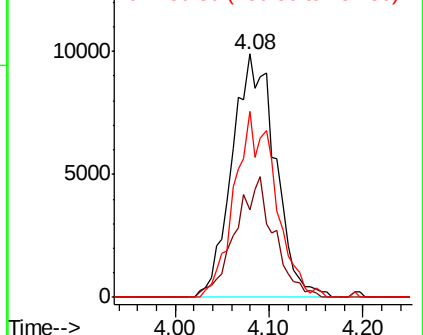
151 72.3 65.5 98.3



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: 19.874 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

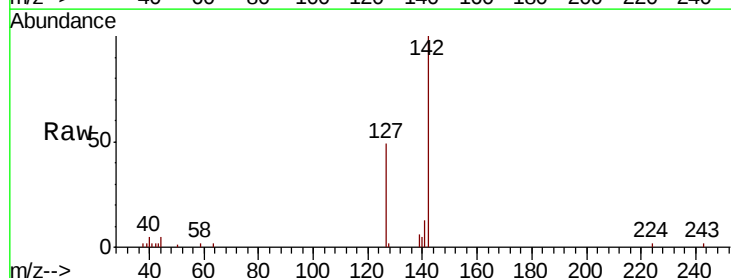
Tgt Ion:142 Resp: 34949

Ion Ratio Lower Upper

142 100

127 45.5 35.3 52.9

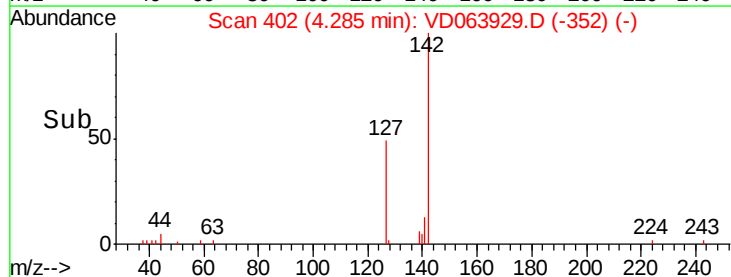
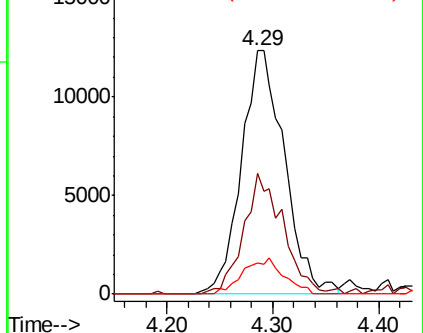
141 14.0 12.2 18.2

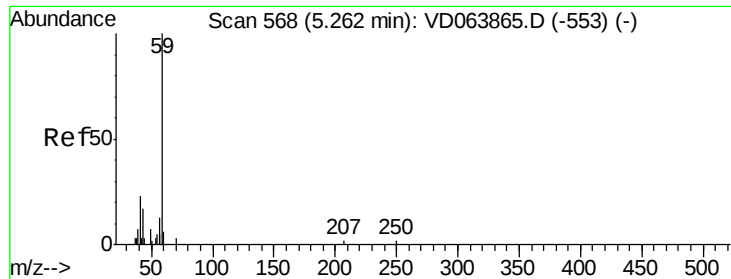


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



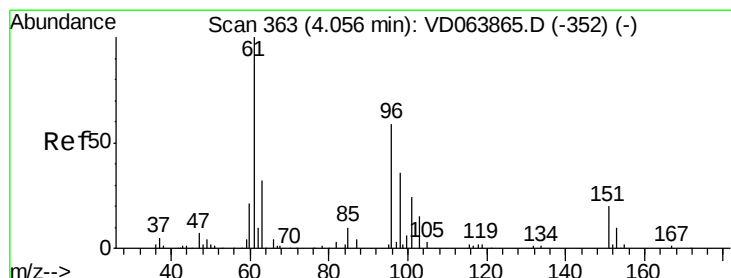
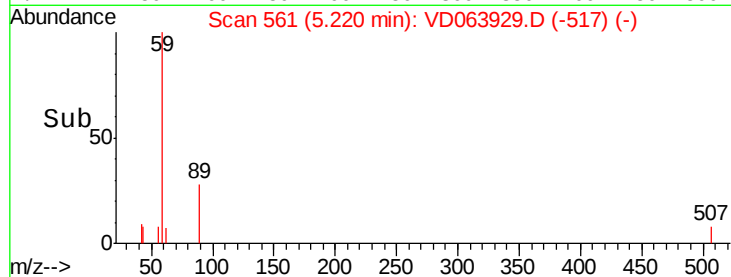
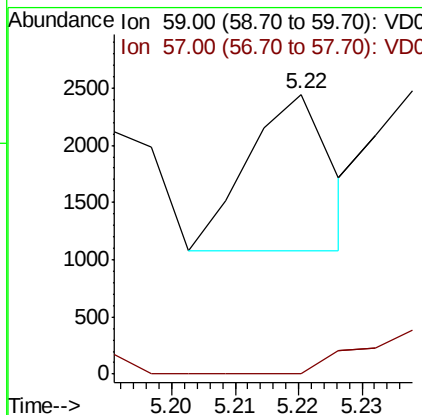
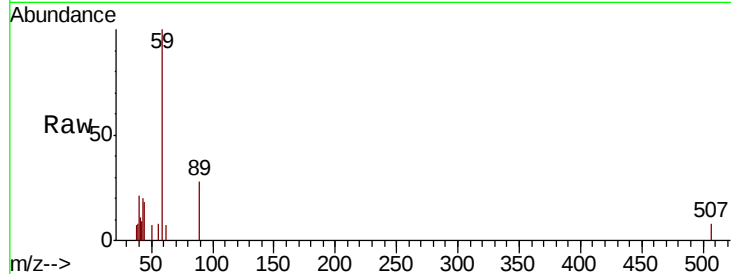


#11

Tert butyl alcohol
 Concen: 4.204 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.04 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

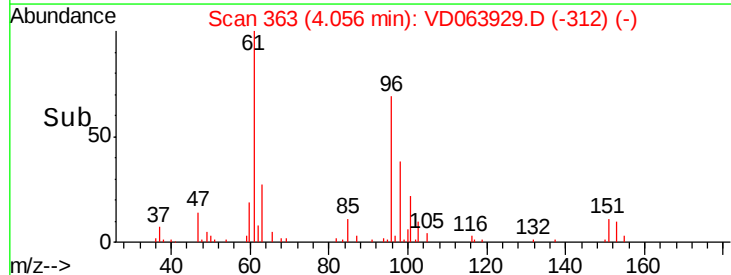
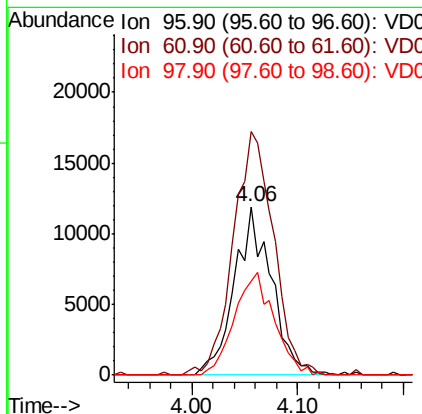
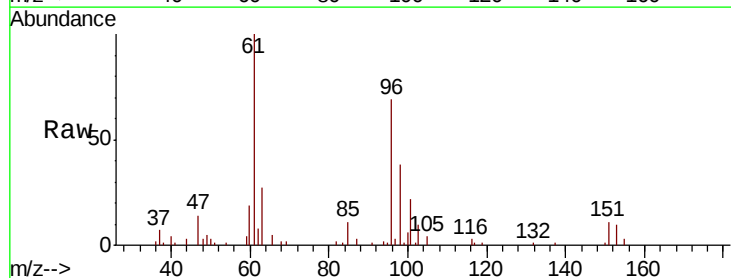
Tot Ion: 59 Resp: 1244
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

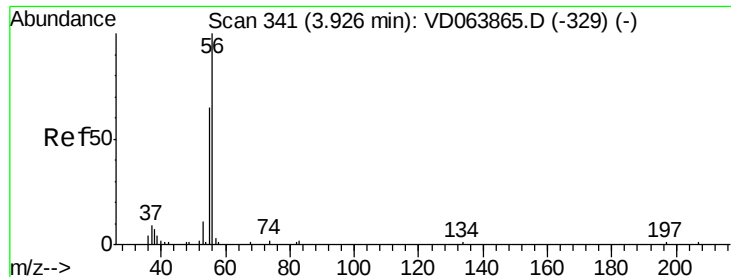


#12

1,1-Dichloroethene
 Concen: 22.668 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Tgt Ion: 96 Resp: 28902
 Ion Ratio Lower Upper
 96 100
 61 144.5 135.6 203.4
 98 55.6 49.2 73.8





#13

Acrolein

Concen: 84.164 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

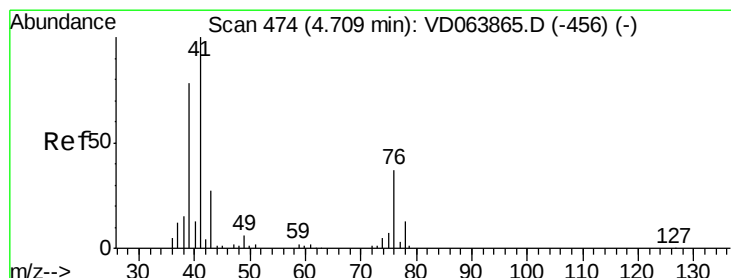
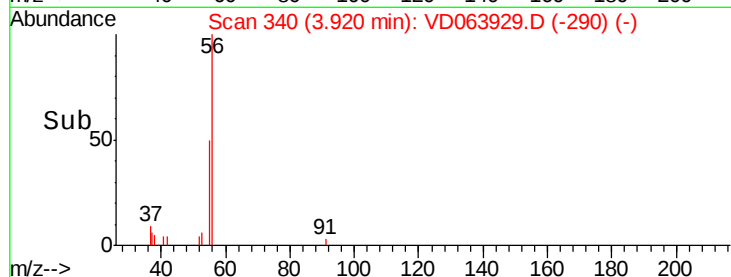
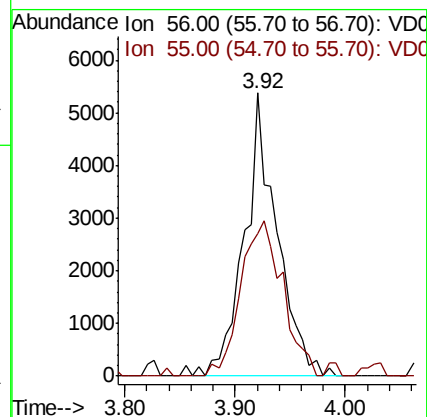
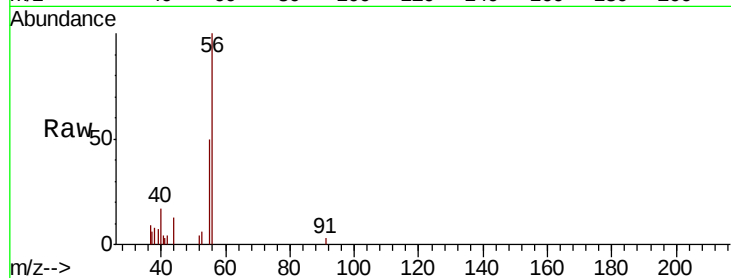
VD1011SBS01

Tot Ion: 56 Resp: 11134

Ion Ratio Lower Upper

56 100

55 70.7 53.0 79.6



#14

Allyl chloride

Concen: 21.383 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

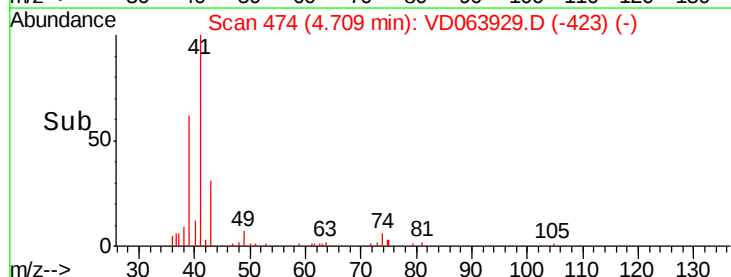
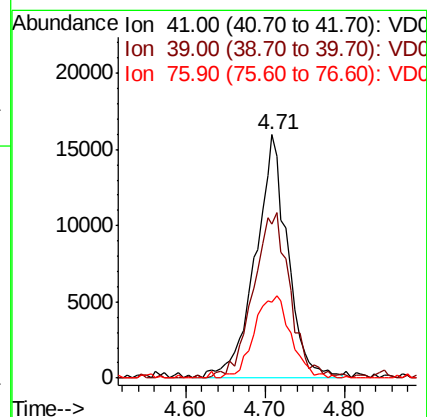
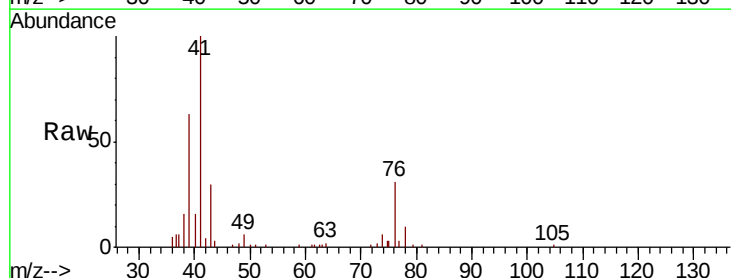
Tgt Ion: 41 Resp: 45329

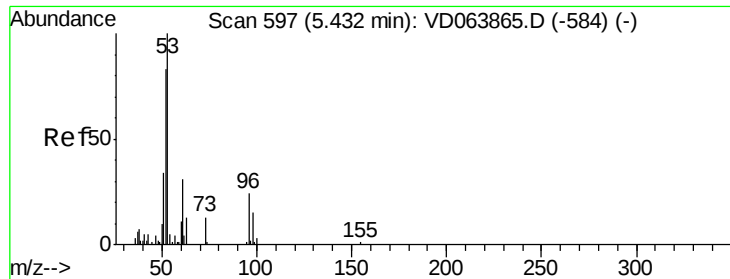
Ion Ratio Lower Upper

41 100

39 77.2 61.8 92.6

76 38.3 31.3 46.9





#15

Acrylonitrile

Concen: 109.784 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

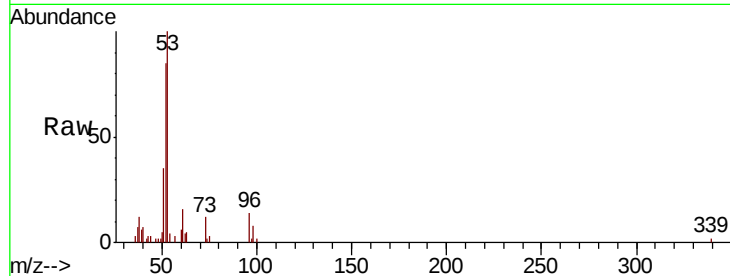
Tot Ion: 53 Resp: 35818

Ion Ratio Lower Upper

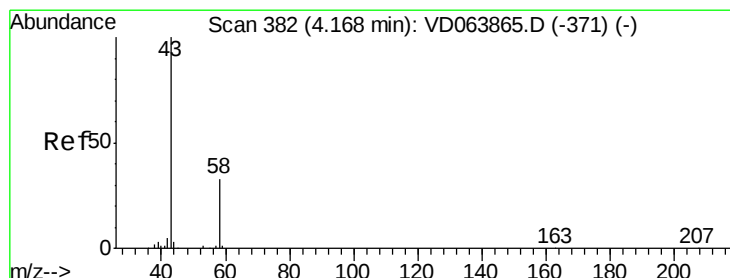
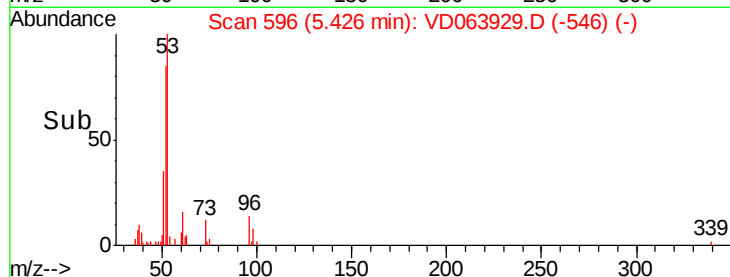
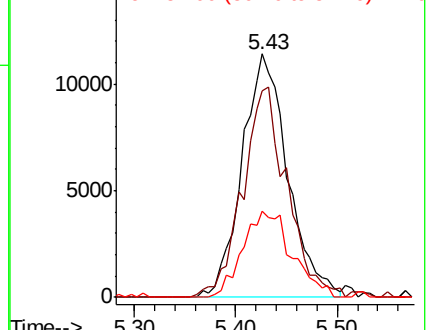
53 100

52 83.6 67.3 100.9

51 38.0 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: 93.066 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD063929.D

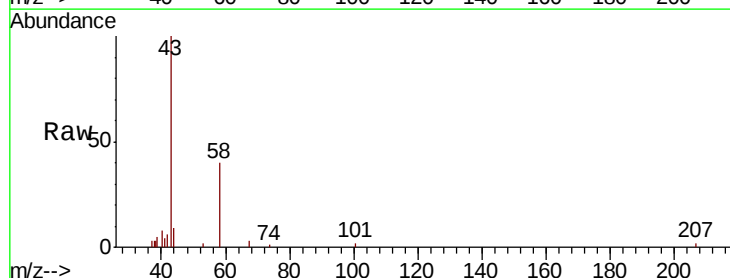
Acq: 11 Oct 2019 11:29

Tgt Ion: 43 Resp: 35889

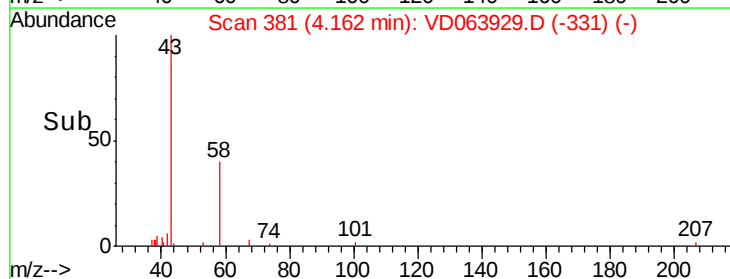
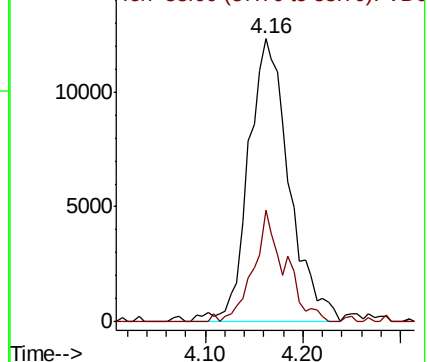
Ion Ratio Lower Upper

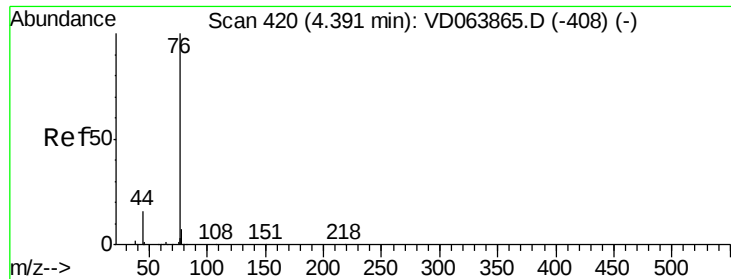
43 100

58 39.7 26.2 39.4#



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

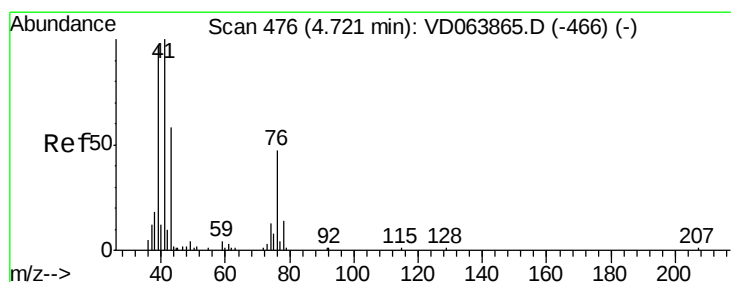
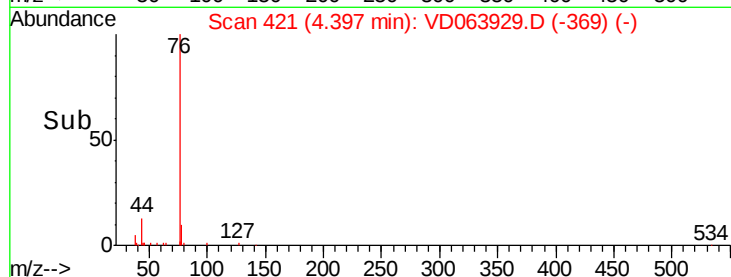
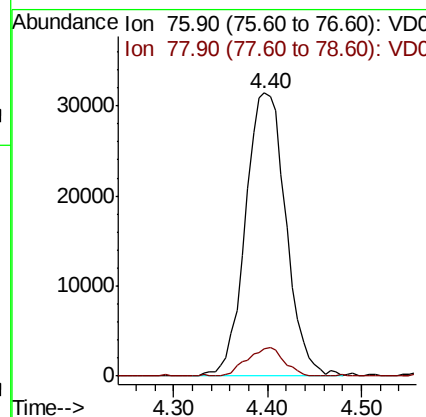
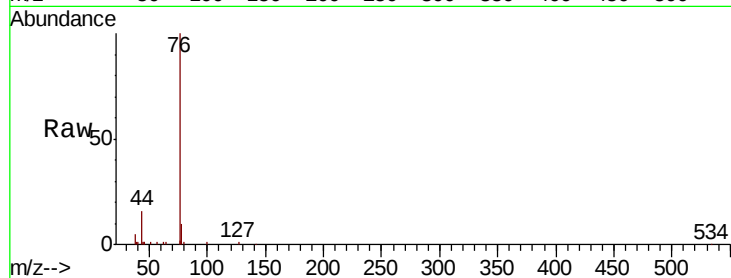




#17
Carbon Disulfide
Concen: 20.160 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

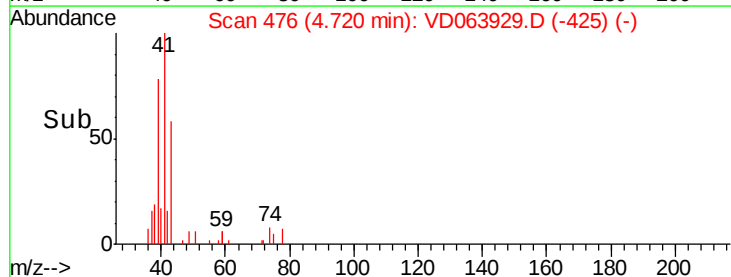
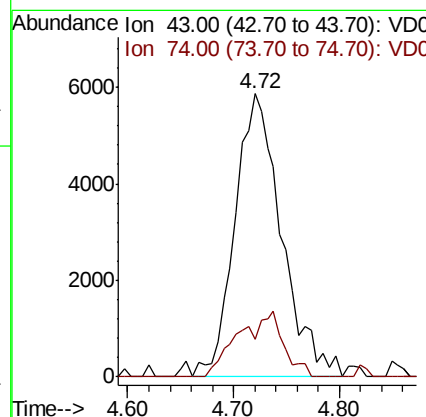
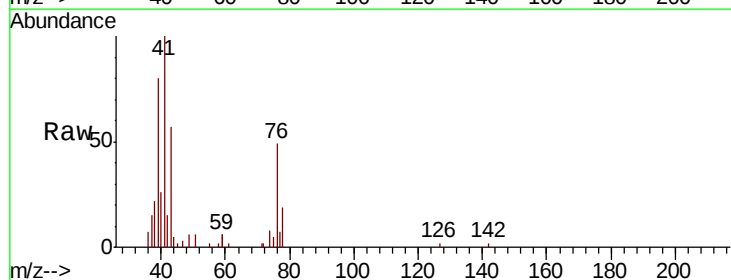
Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

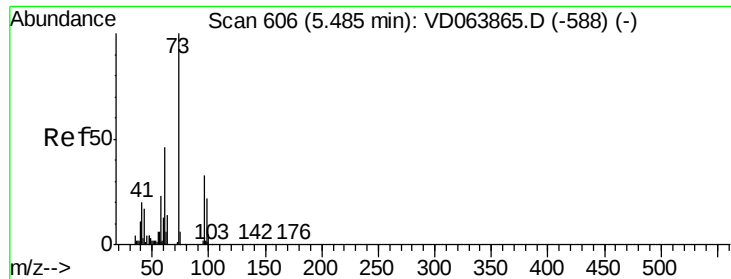
Tot Ion: 76 Resp: 93438
Ion Ratio Lower Upper
76 100
78 9.7 5.8 8.8#



#18
Methyl Acetate
Concen: 23.822 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion: 43 Resp: 17968
Ion Ratio Lower Upper
43 100
74 22.5 20.8 31.2

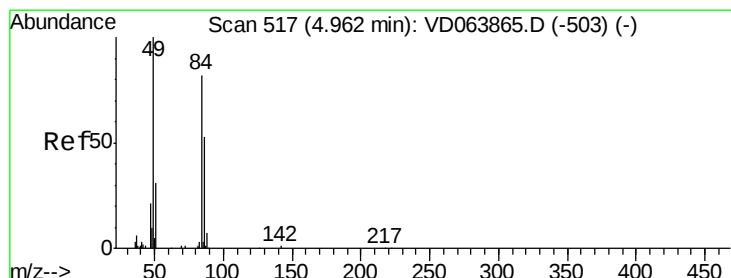
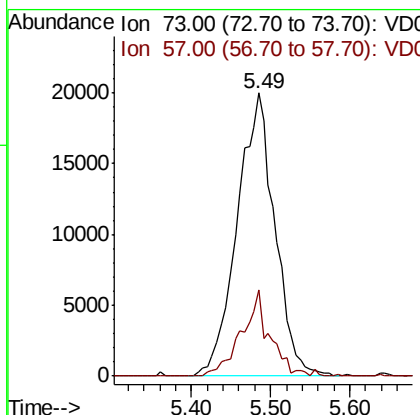
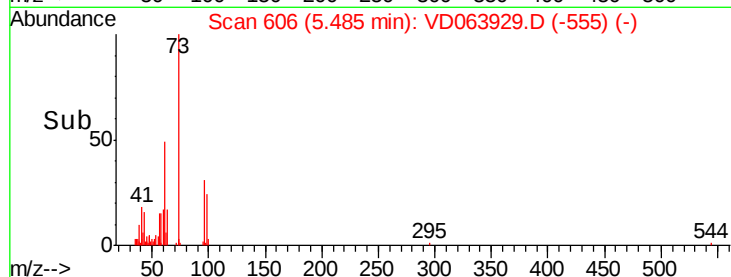
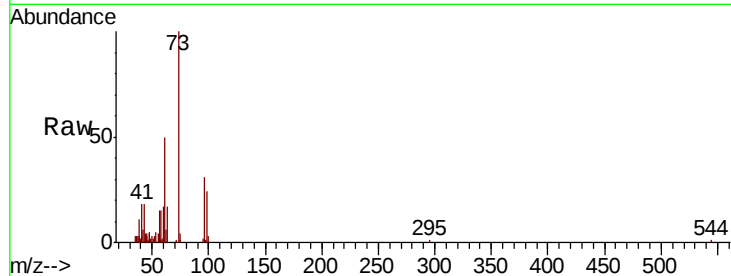




#19
Methvl tert-butvl Ether
Concen: 19.934 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

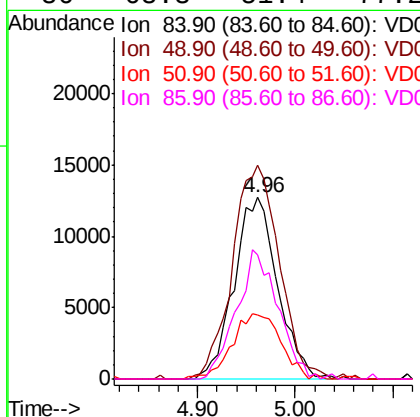
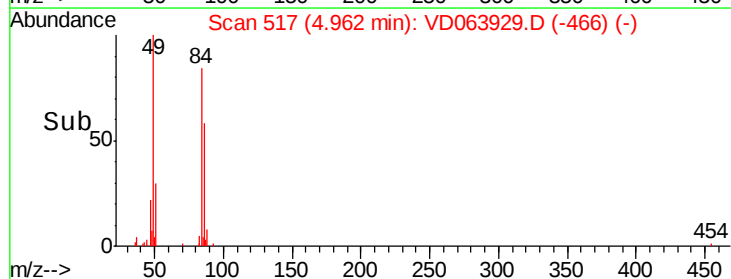
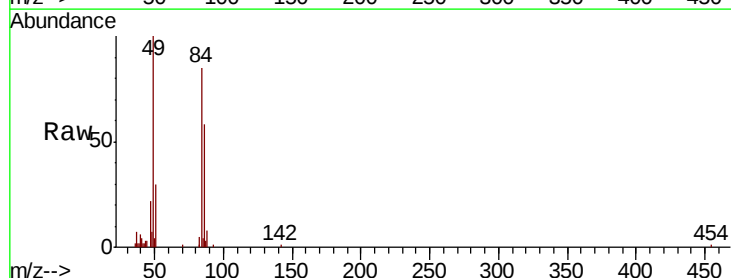
Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

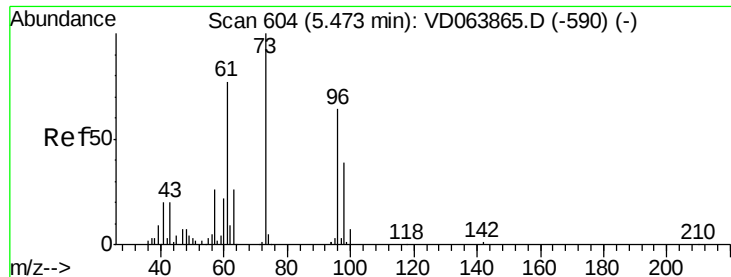
Tot Ion: 73 Resp: 65817
Ion Ratio Lower Upper
73 100
57 30.6 18.1 27.1#



#20
Methylene Chloride
Concen: 21.337 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion: 84 Resp: 39462
Ion Ratio Lower Upper
84 100
49 117.9 97.3 145.9
51 35.6 30.1 45.1
86 68.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 22.957 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

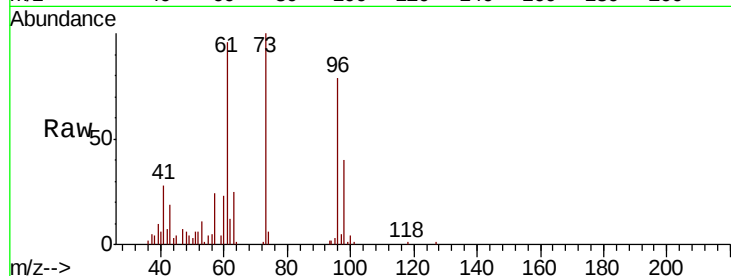
Tot Ion: 96 Resp: 36438

Ion Ratio Lower Upper

96 100

61 122.3 96.6 145.0

98 50.8 48.7 73.1

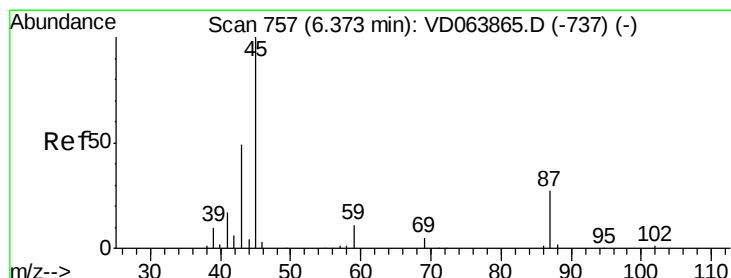
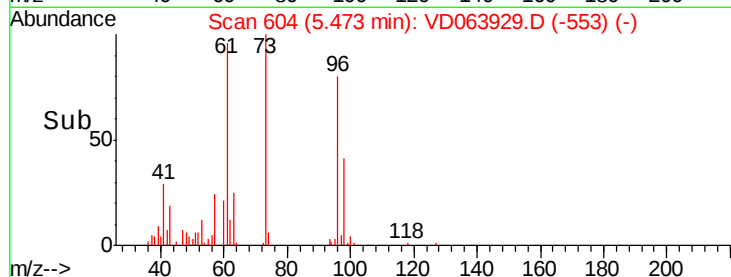
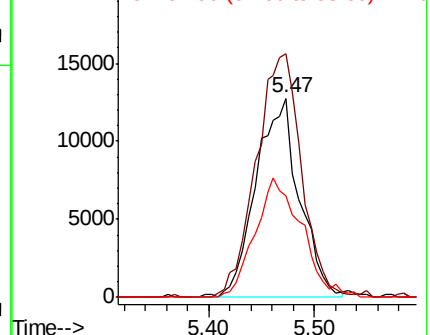


Abundance

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: 21.966 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Tgt Ion: 45 Resp: 95098

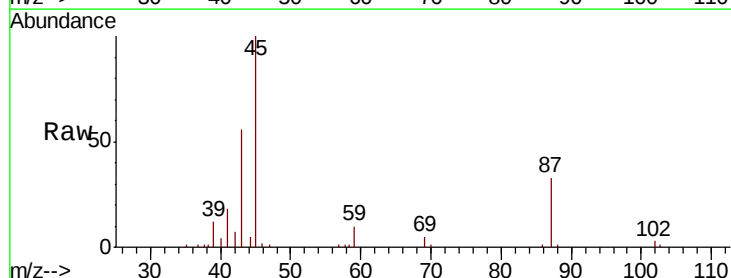
Ion Ratio Lower Upper

45 100

43 56.4 41.2 61.8

87 33.1 22.2 33.4

59 10.3 9.2 13.8



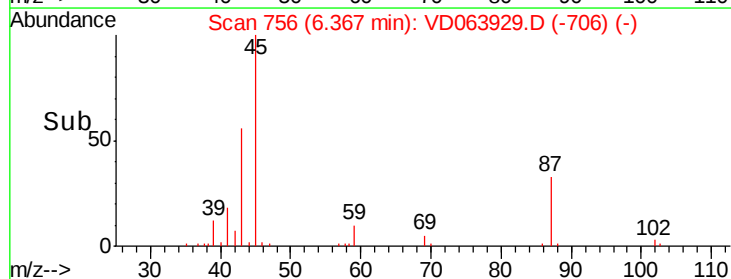
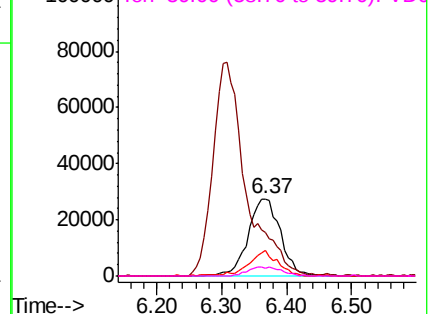
Abundance

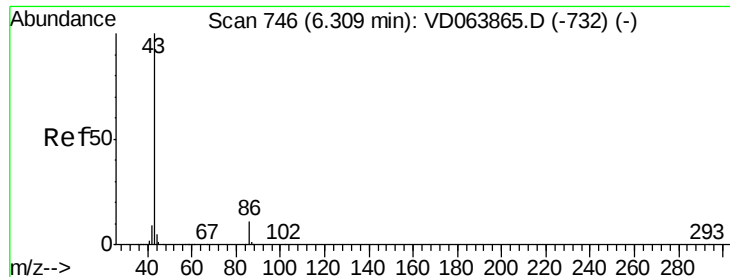
Ion 45.00 (44.70 to 45.70): VDC

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: 103.906 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

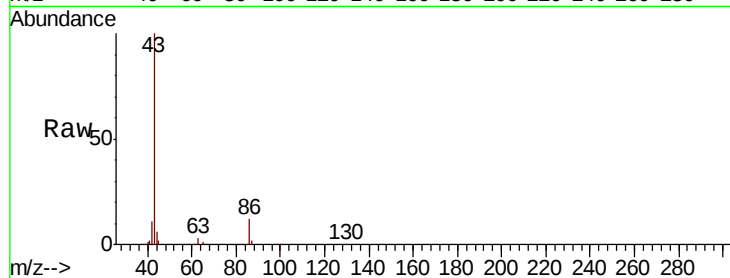
VD1011SBS01

Tot Ion: 43 Resp: 267609

Ion Ratio Lower Upper

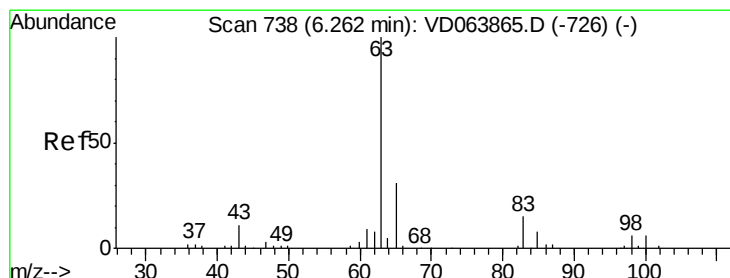
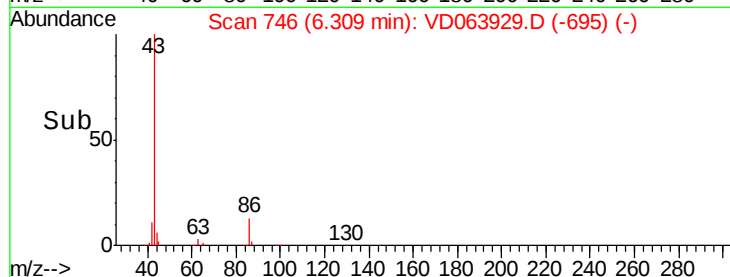
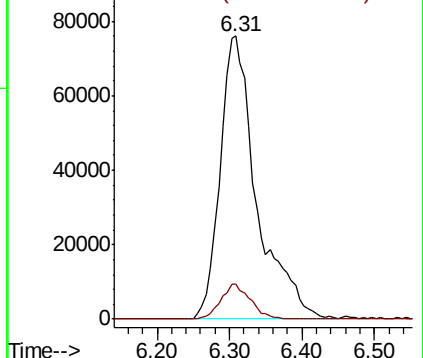
43 100

86 12.4 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.290 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

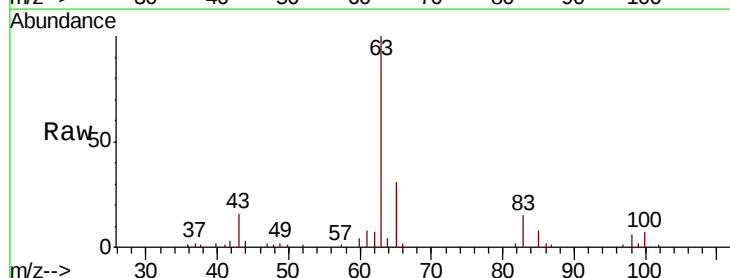
Tgt Ion: 63 Resp: 59441

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

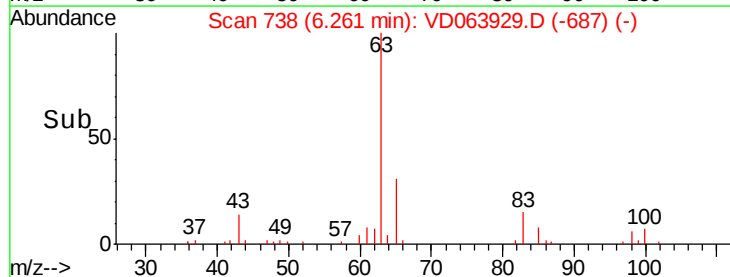
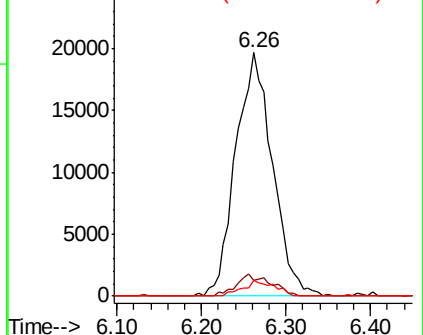
100 6.6 3.0 9.2

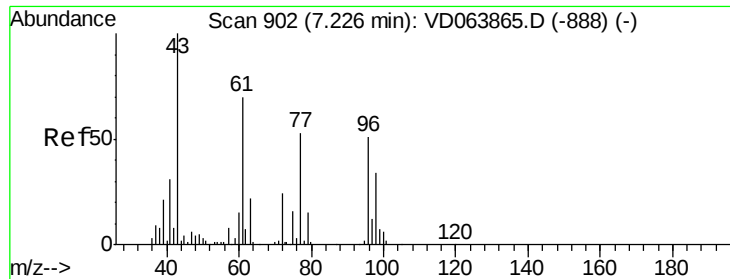


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 102.533 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

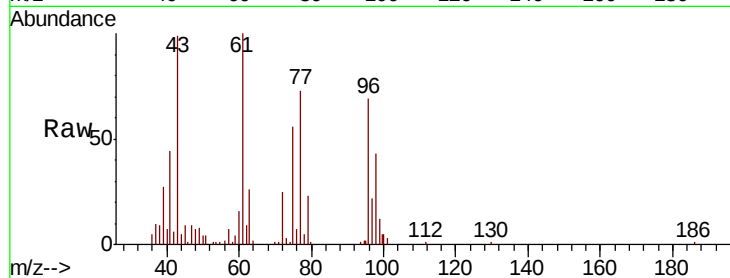
VD1011SBS01

Tot Ion: 43 Resp: 46859

Ion Ratio Lower Upper

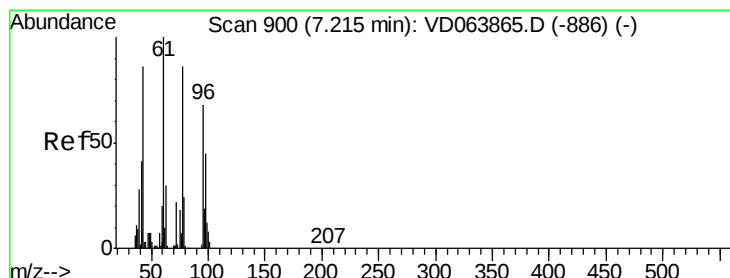
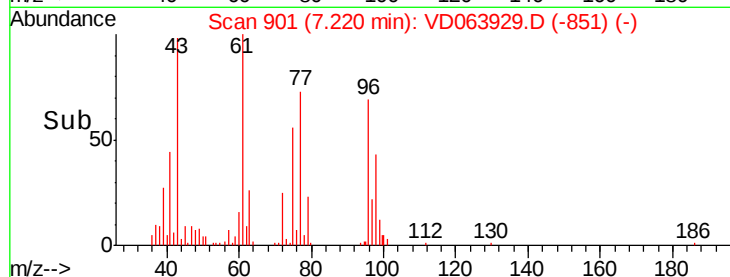
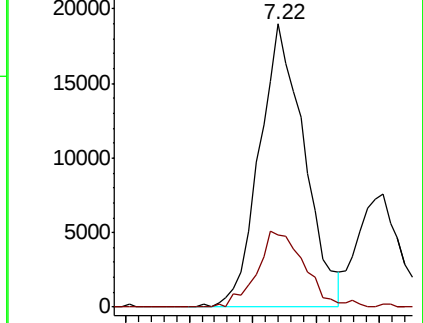
43 100

72 25.6 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: 20.914 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063929.D

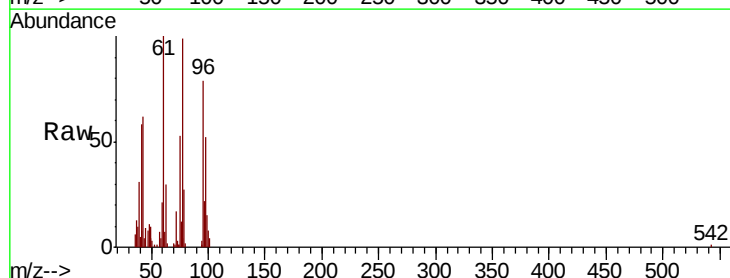
Acq: 11 Oct 2019 11:29

Tgt Ion: 77 Resp: 50450

Ion Ratio Lower Upper

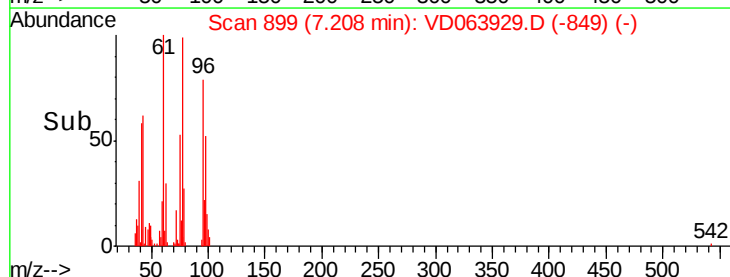
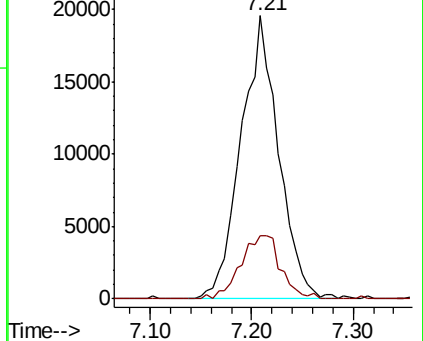
77 100

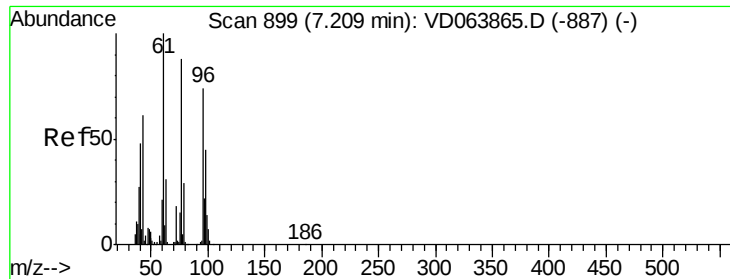
97 23.9 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



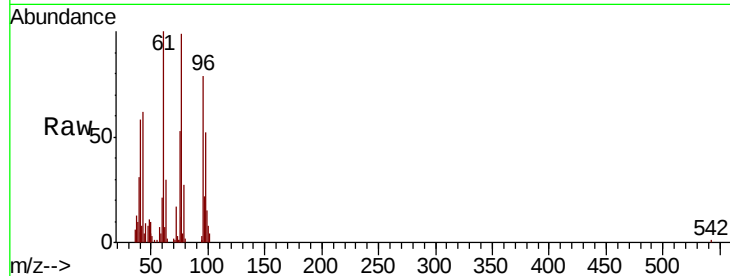


#27

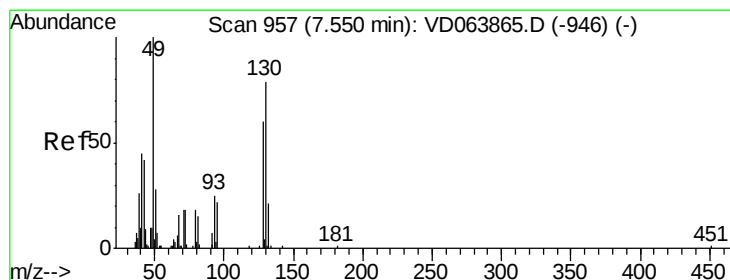
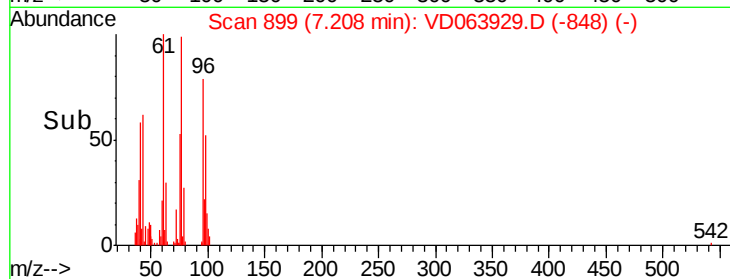
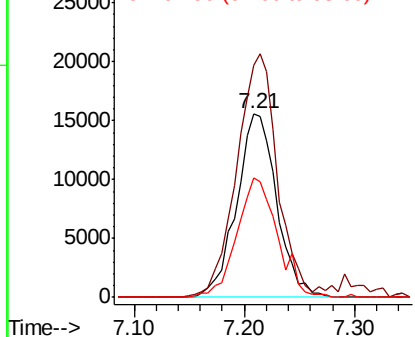
cis-1,2-Dichloroethene
 Concen: 22.082 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Tot Ion: 96 Resp: 39672
 Ion Ratio Lower Upper
 96 100
 61 134.0 0.0 280.0
 98 66.3 0.0 130.4



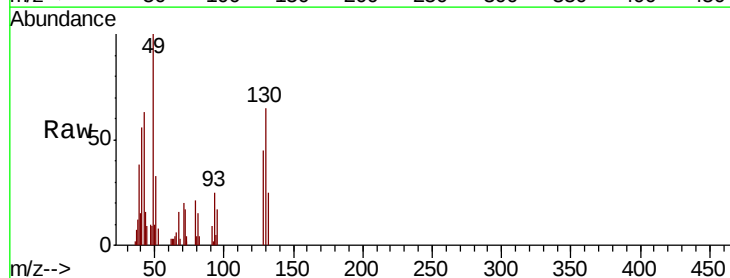
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



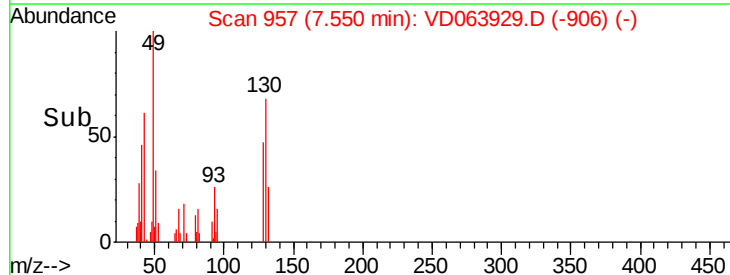
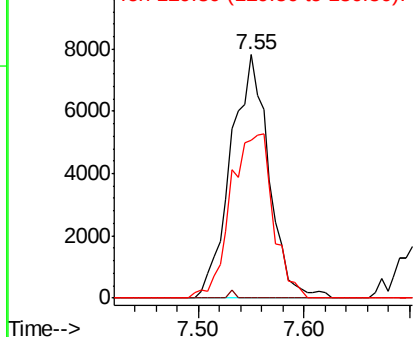
#28

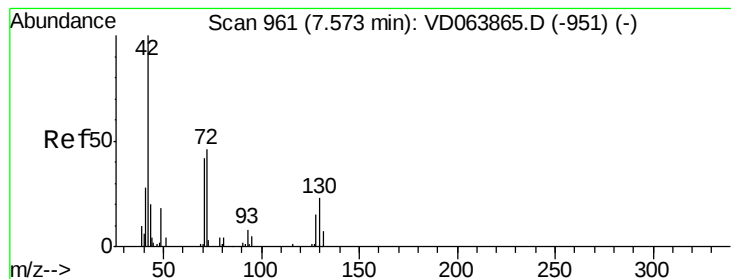
Bromochloromethane
 Concen: 20.432 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Tgt Ion: 49 Resp: 19554
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.6
 130 74.9 66.8 100.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 104.443 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

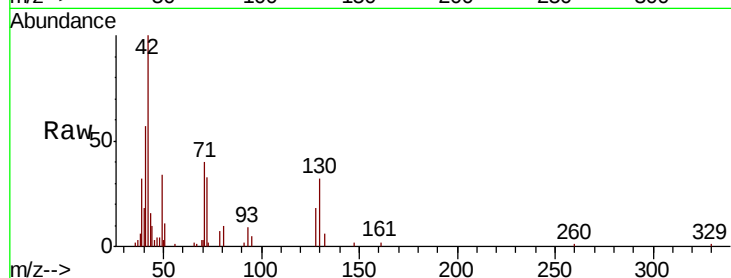
Tot Ion: 42 Resp: 27860

Ion Ratio Lower Upper

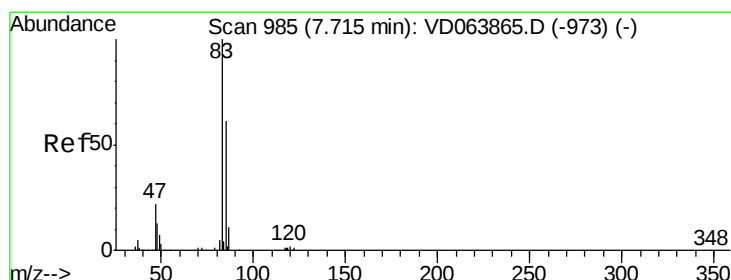
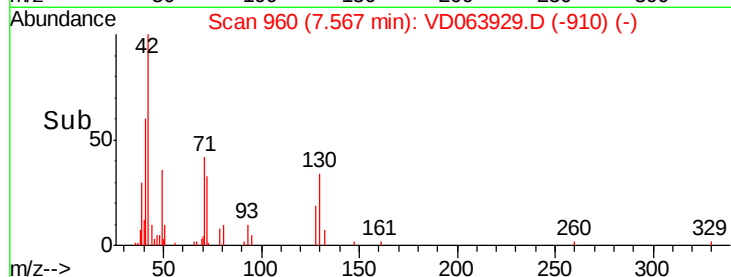
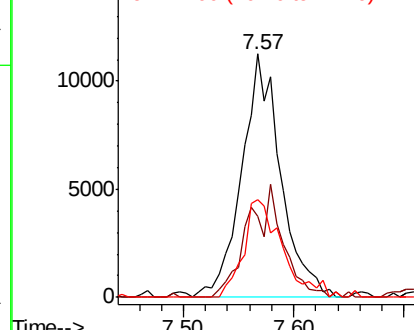
42 100

72 22.3 37.6 56.4#

71 40.0 35.0 52.6



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



#30

Chloroform

Concen: 21.582 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD063929.D

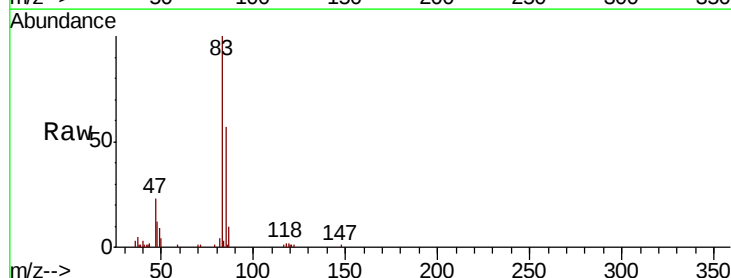
Acq: 11 Oct 2019 11:29

Tgt Ion: 83 Resp: 62510

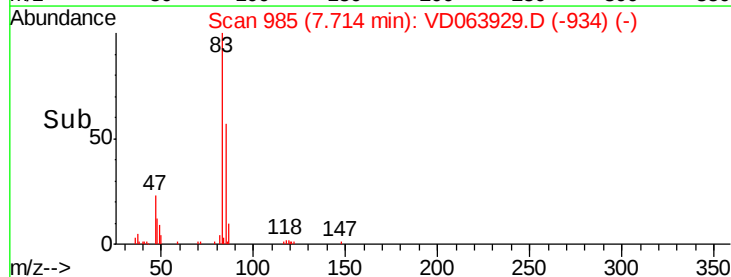
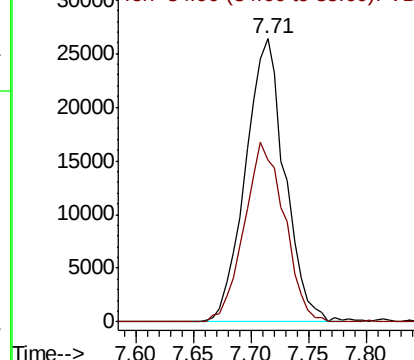
Ion Ratio Lower Upper

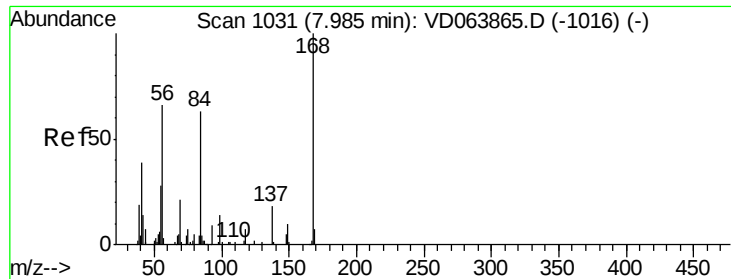
83 100

85 57.0 48.9 73.3



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

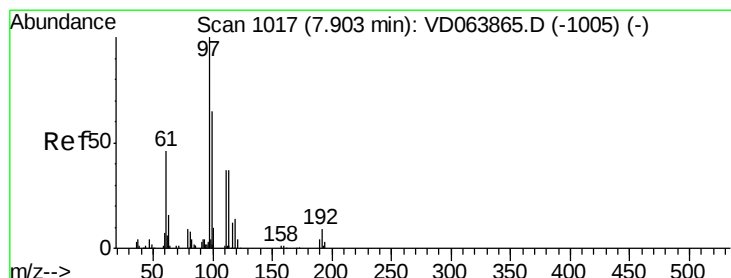
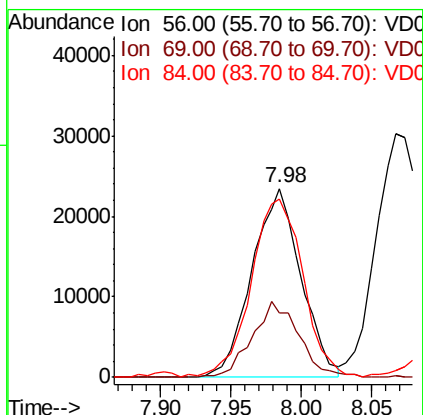
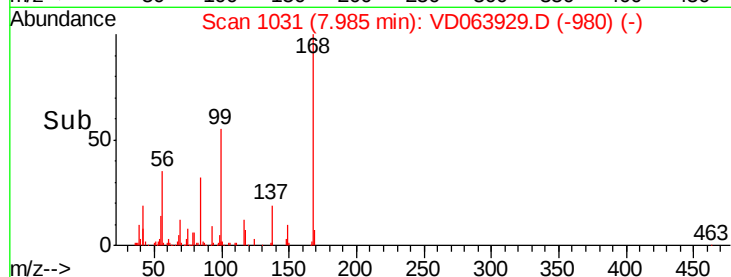
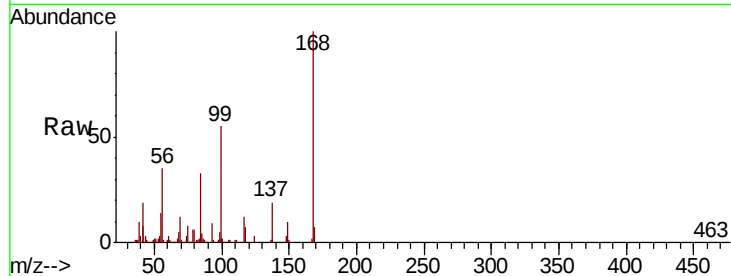




#31
Cyclohexane
Concen: 23.815 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

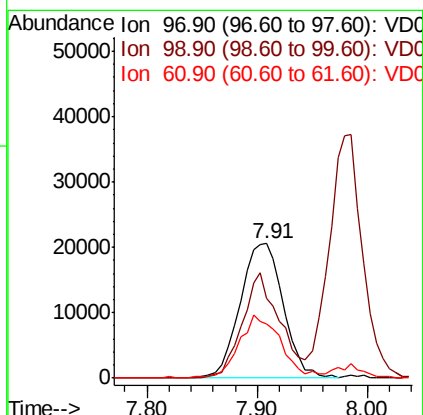
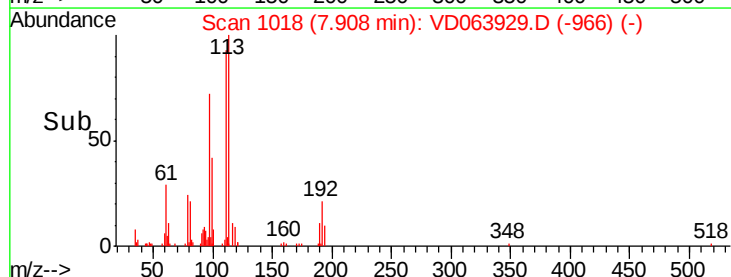
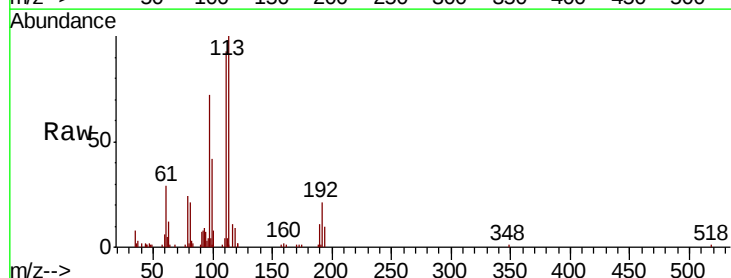
Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

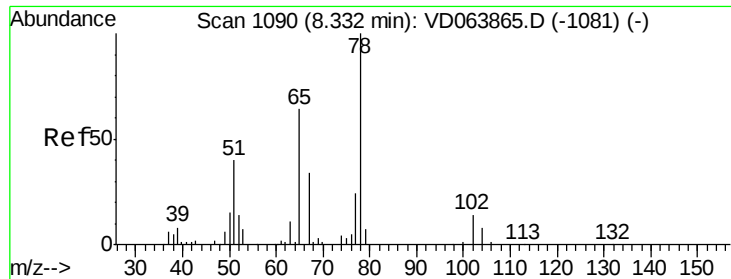
Tot Ion: 56 Resp: 57116
Ion Ratio Lower Upper
56 100
69 34.1 25.0 37.4
84 92.8 76.3 114.5



#32
1,1,1-Trichloroethane
Concen: 22.713 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion: 97 Resp: 56431
Ion Ratio Lower Upper
97 100
99 68.2 52.4 78.6
61 45.2 33.8 50.8

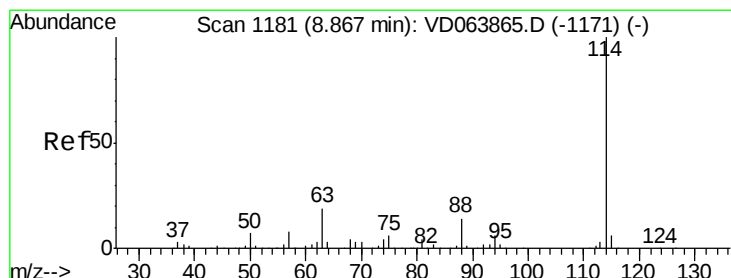
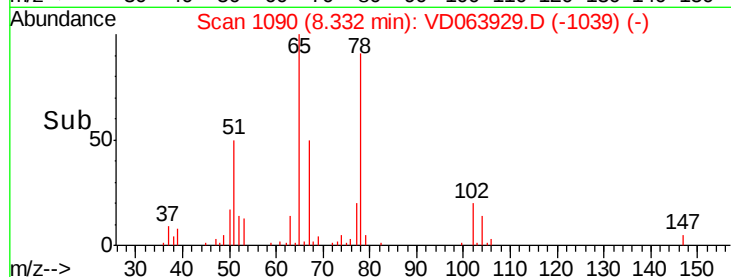
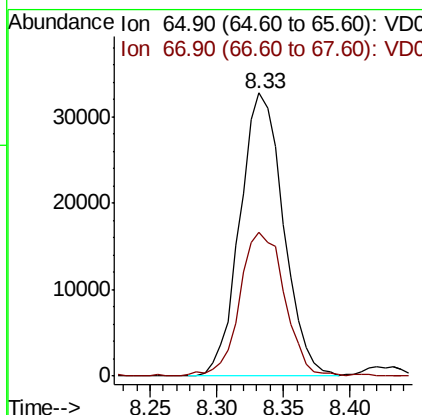
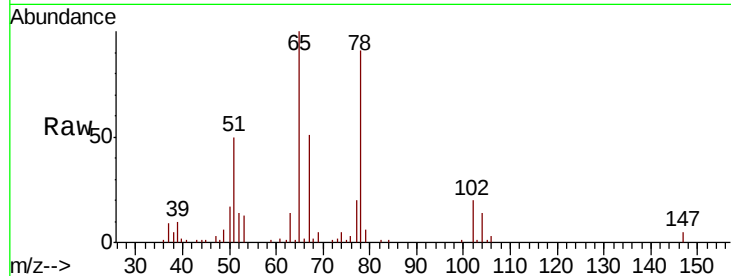




#33
 1,2-Dichloroethane-d4
 Concen: 49.915 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

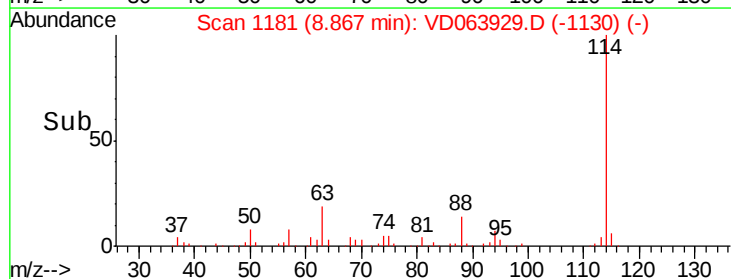
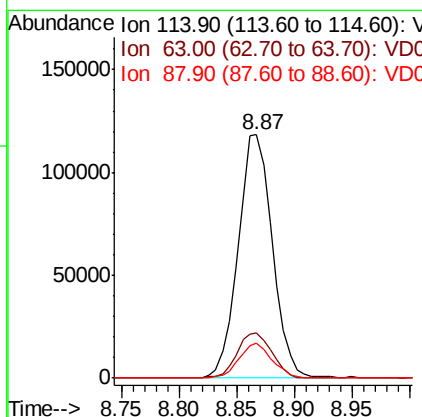
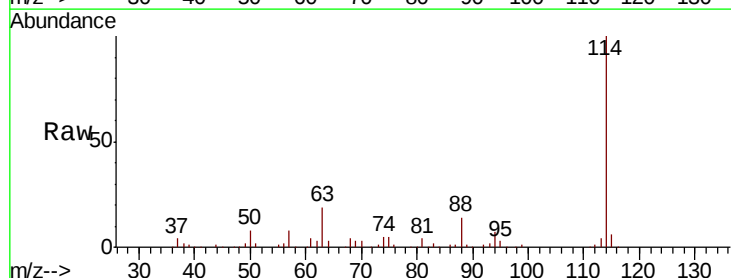
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

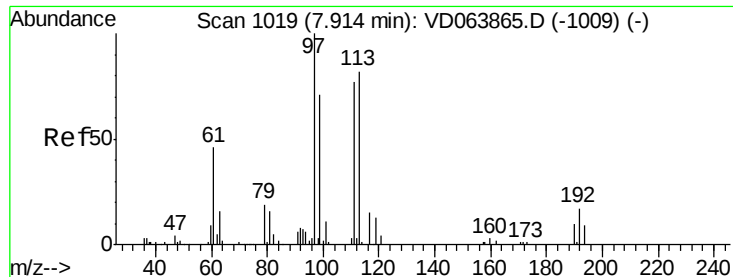
Tot Ion: 65 Resp: 73933
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Tgt Ion: 114 Resp: 244032
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.4
 88 14.2 0.0 27.4

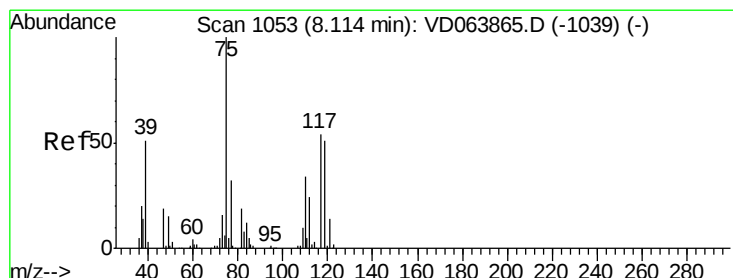
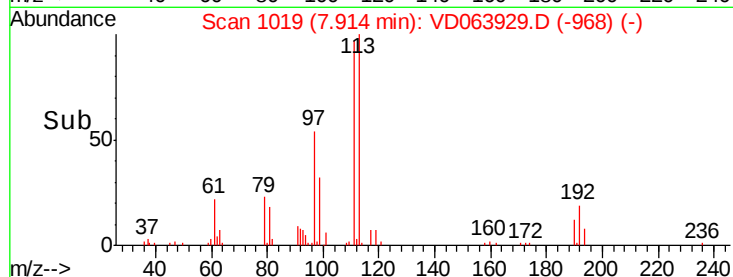
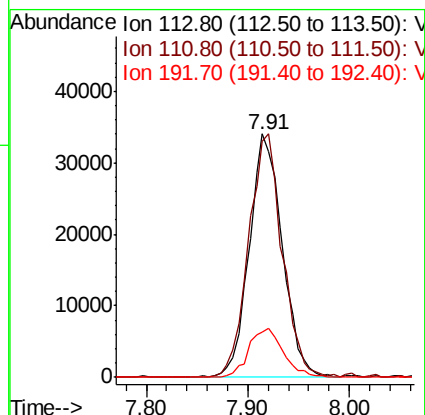
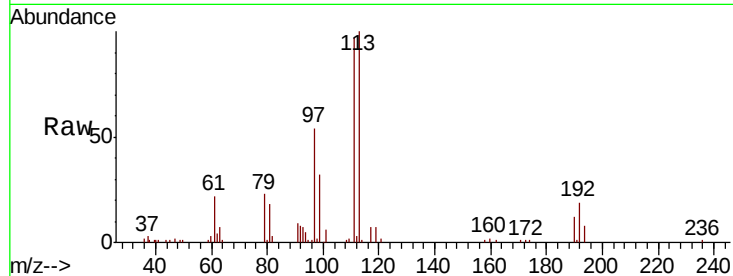




#35
Dibromofluoromethane
Concen: 51.565 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

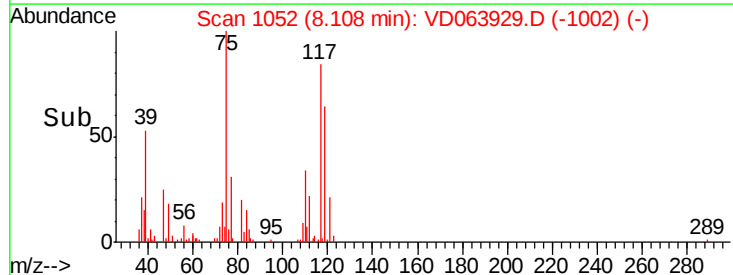
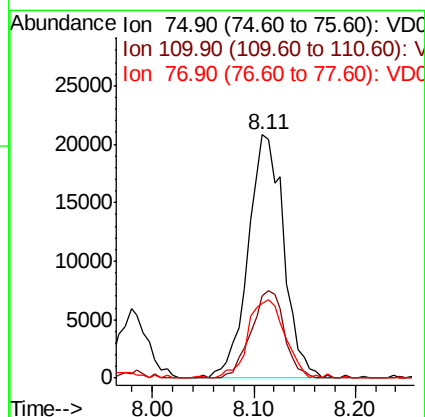
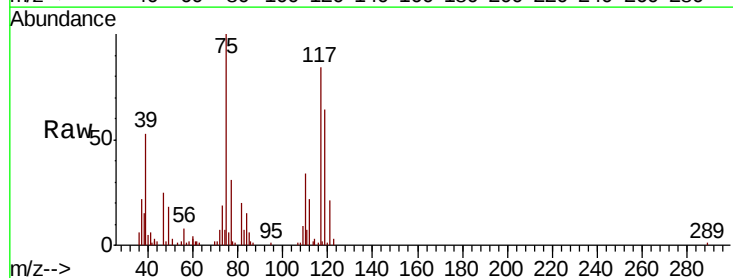
Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

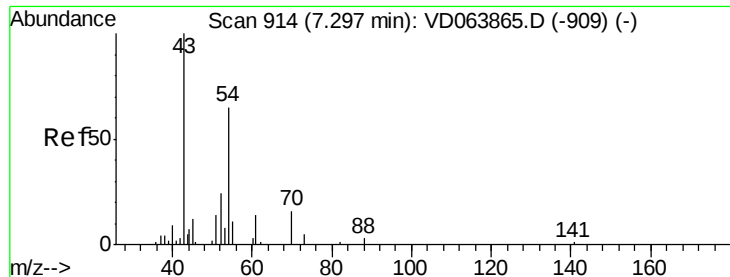
Tot Ion:113 Resp: 76902
Ion Ratio Lower Upper
113 100
111 101.7 82.6 123.8
192 21.0 17.1 25.7



#36
1,1-Dichloropropene
Concen: 22.708 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion: 75 Resp: 50668
Ion Ratio Lower Upper
75 100
110 33.6 17.4 52.3
77 33.3 25.4 38.0

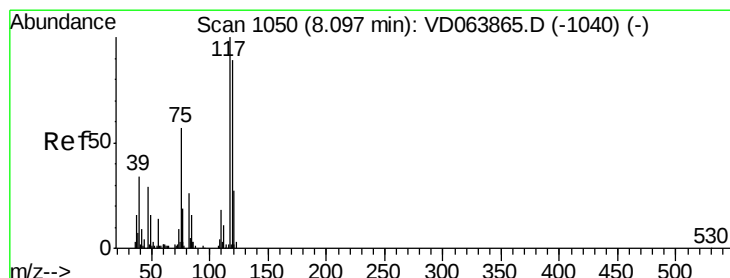
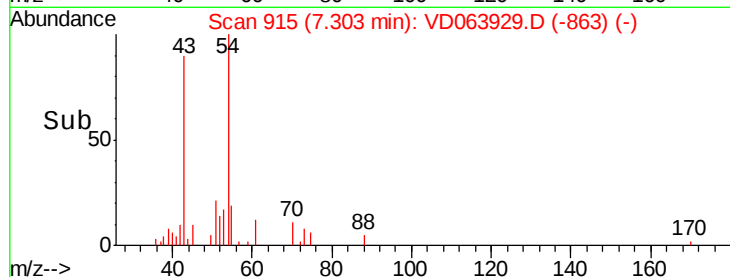
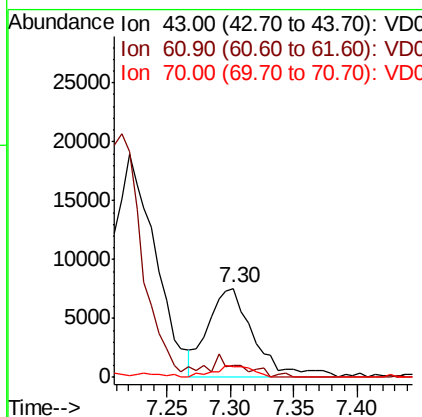
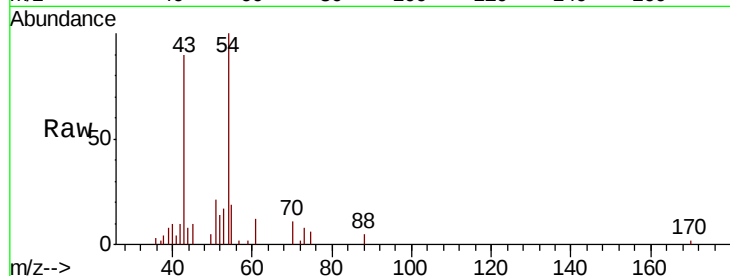




#37
Ethyl Acetate
Concen: 18.688 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

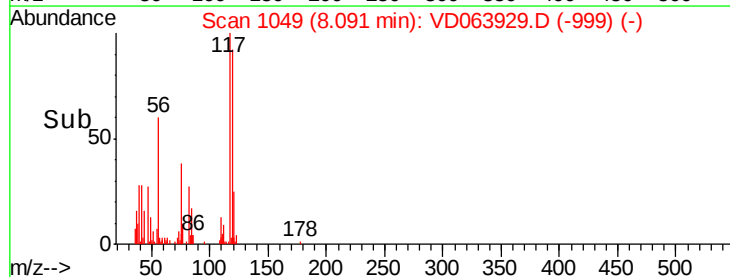
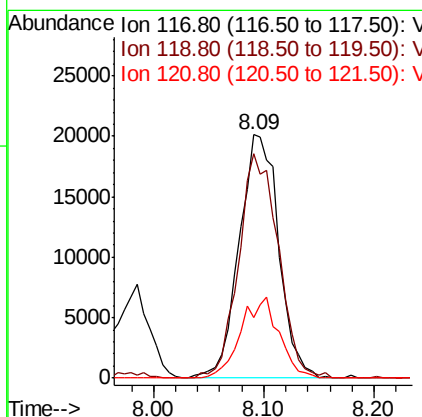
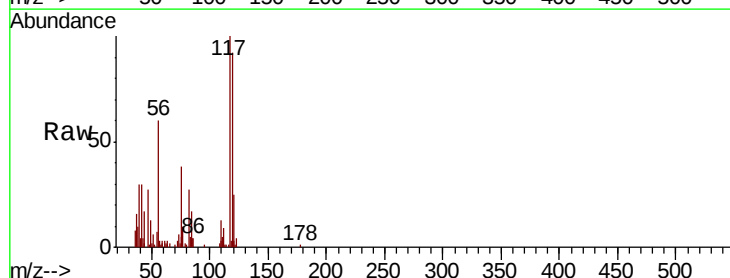
Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

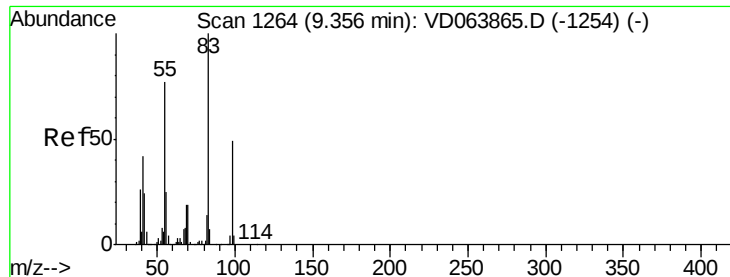
Tot Ion: 43 Resp: 18955
Ion Ratio Lower Upper
43 100
61 12.4 11.5 17.3
70 10.8 8.2 12.4



#38
Carbon Tetrachloride
Concen: 22.439 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion: 117 Resp: 50595
Ion Ratio Lower Upper
117 100
119 92.3 70.8 106.2
121 24.7 21.4 32.0

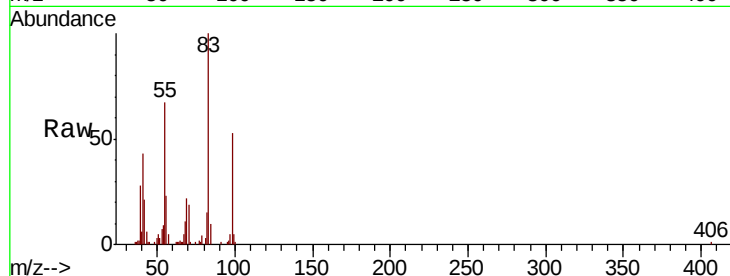




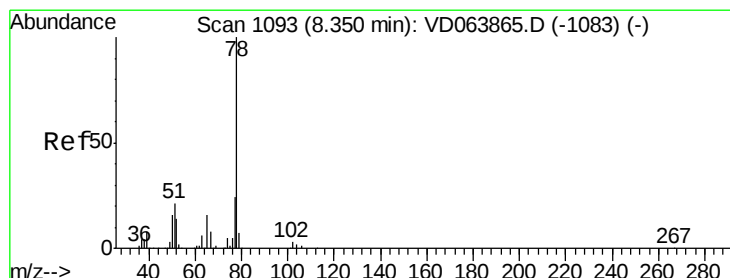
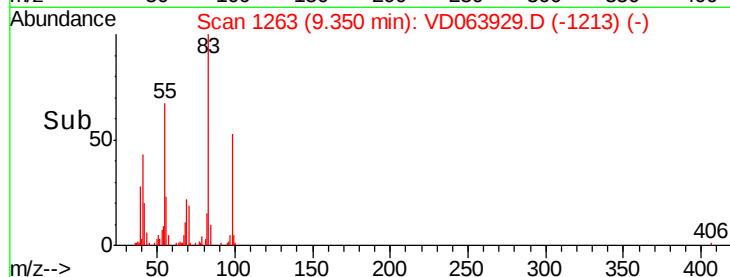
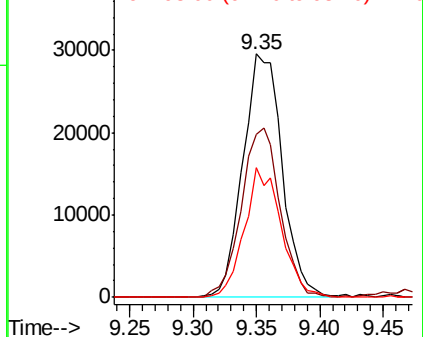
#39
Methvlcvclohexane
Concen: 23.254 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	83	Resp	63796
Ion	Ratio	Lower	Upper
83	100		
55	67.2	61.3	91.9
98	53.3	39.3	58.9

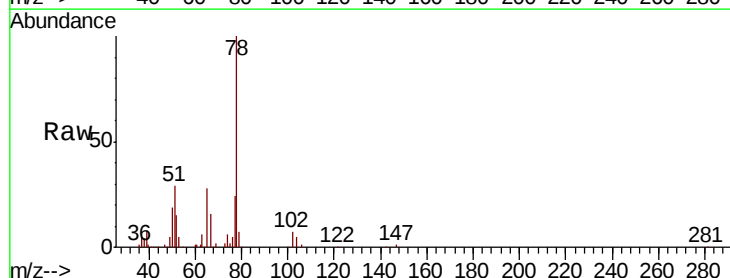


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

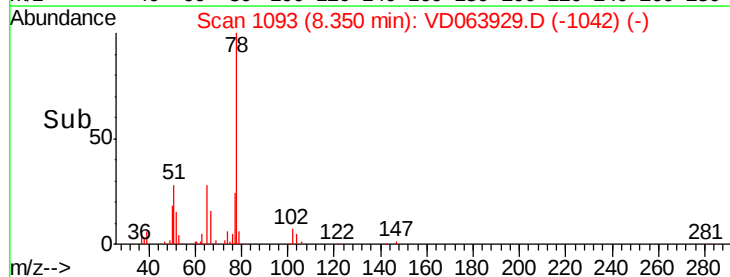
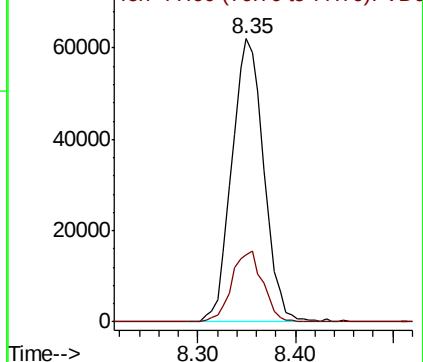


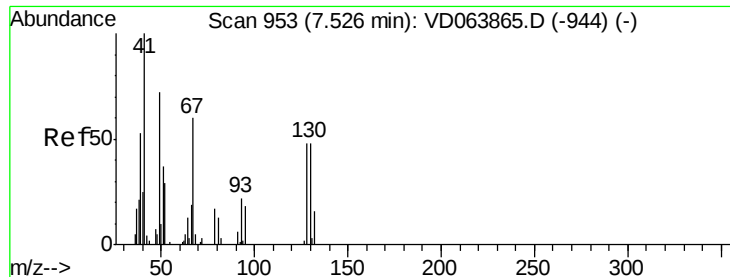
#40
Benzene
Concen: 22.211 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	78	Resp	142017
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6



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

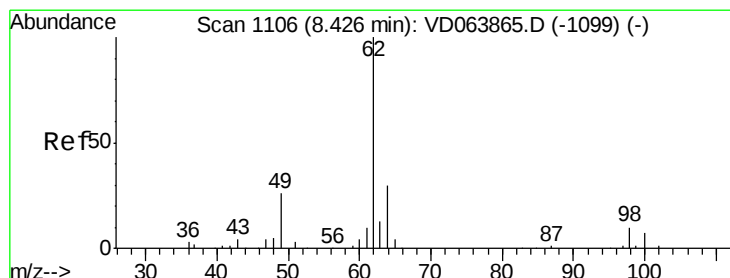
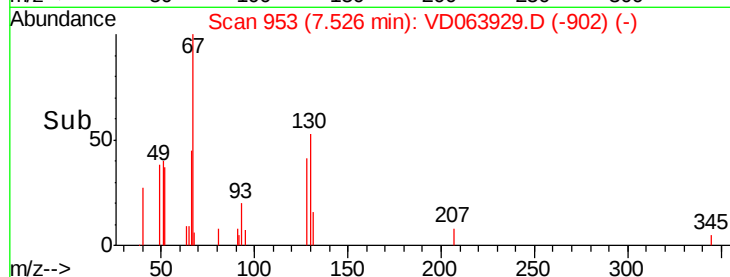
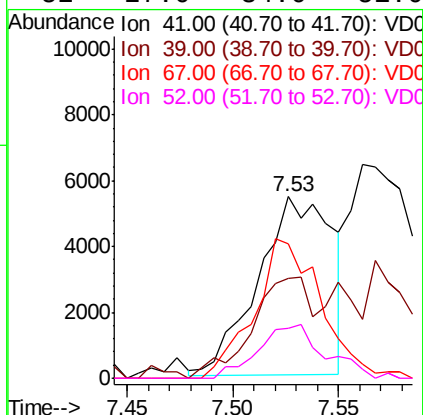
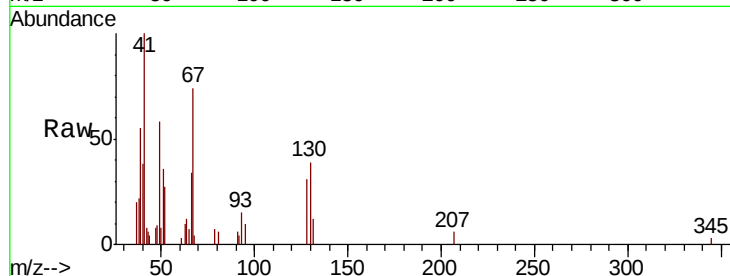




#41
Methacrylonitrile
Concen: 25.625 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

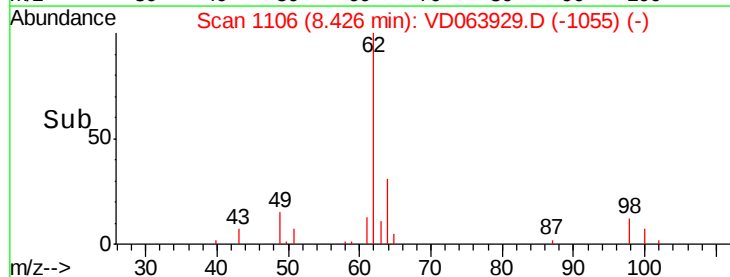
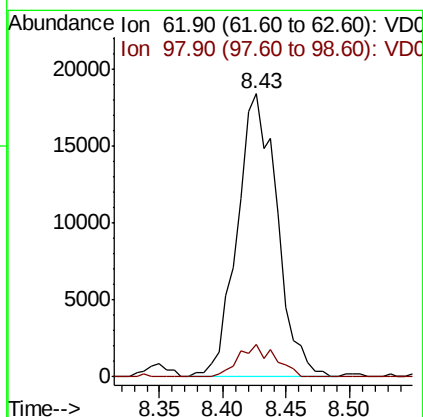
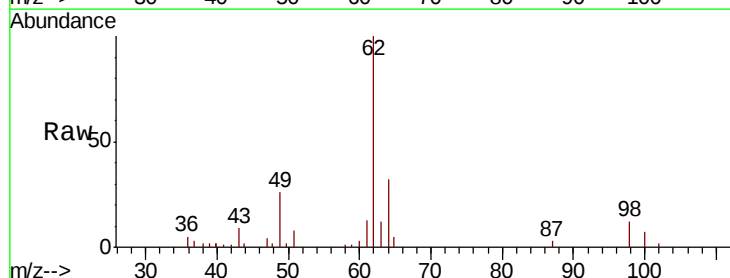
Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

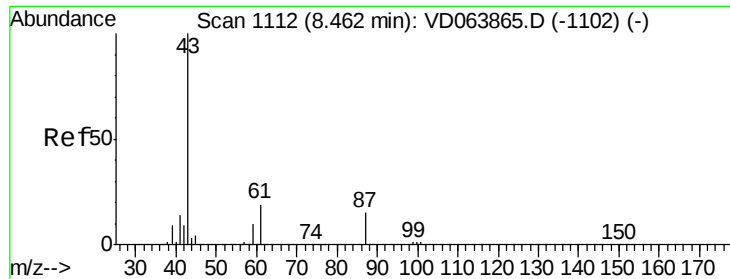
Tot Ion: 41 Resp: 13256
Ion Ratio Lower Upper
41 100
39 44.9 52.6 78.8#
67 70.2 74.2 111.2#
52 27.0 34.0 51.0#



#42
1,2-Dichloroethane
Concen: 21.835 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion: 62 Resp: 40386
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.0





#43

Isopropyl Acetate

Concen: 19.870 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

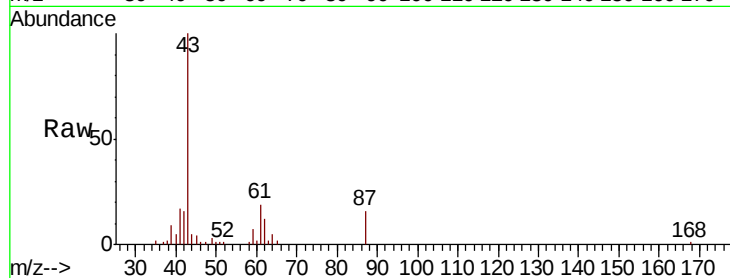
Tot Ion: 43 Resp: 37180

Ion Ratio Lower Upper

43 100

61 32.7 25.7 38.5

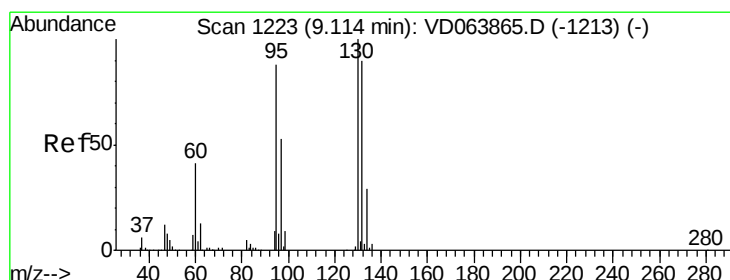
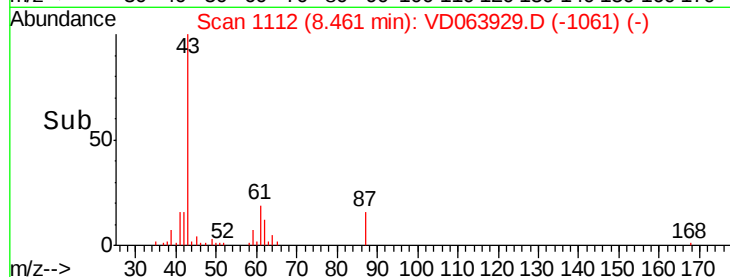
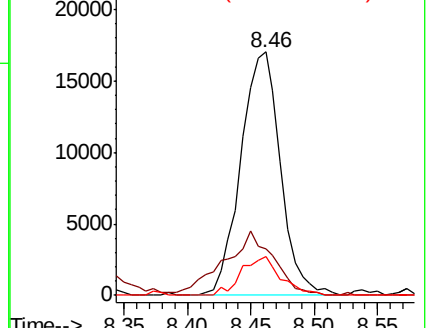
87 15.7 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.450 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063929.D

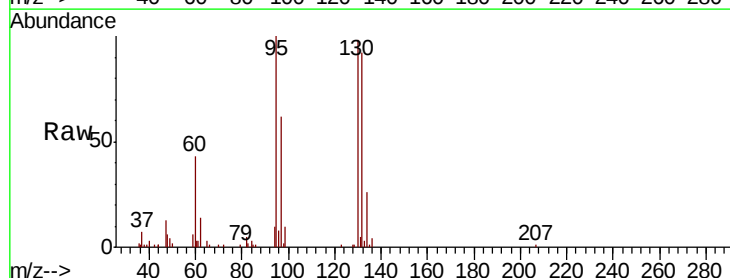
Acq: 11 Oct 2019 11:29

Tgt Ion:130 Resp: 39550

Ion Ratio Lower Upper

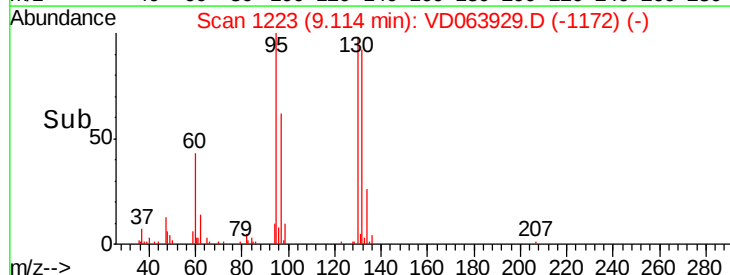
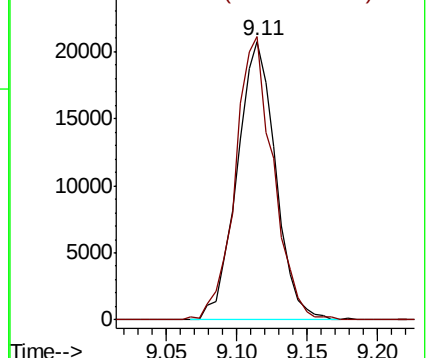
130 100

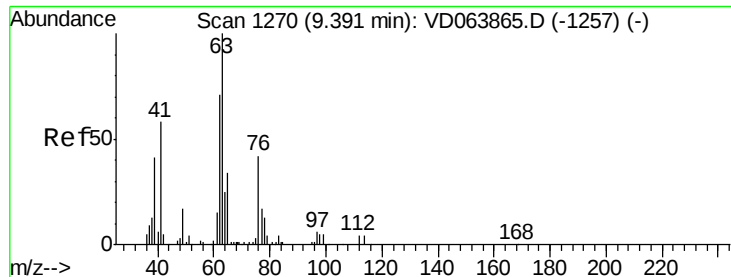
95 101.6 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.353 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

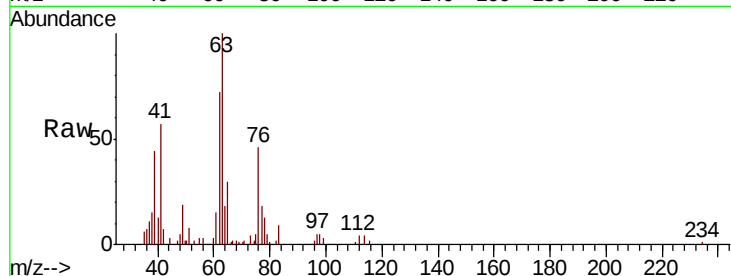
VD1011SBS01

Tot Ion: 63 Resp: 34984

Ion Ratio Lower Upper

63 100

65 29.5 27.3 40.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

20000

15000

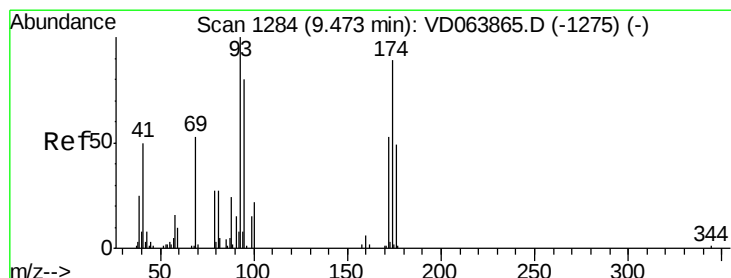
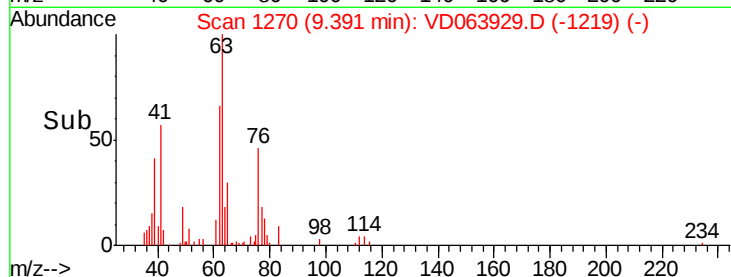
10000

5000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 20.586 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

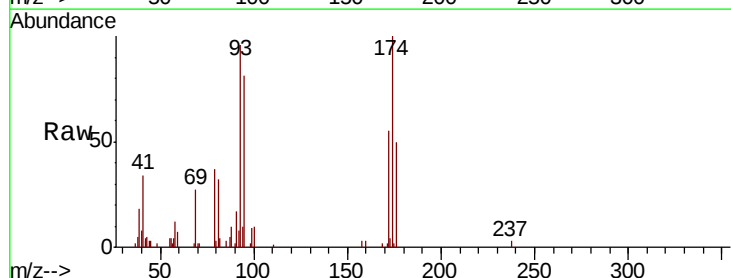
Tgt Ion: 93 Resp: 18349

Ion Ratio Lower Upper

93 100

95 90.0 66.0 99.0

174 106.9 83.4 125.0



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

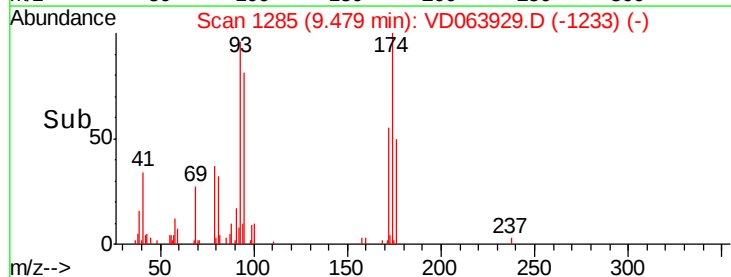
10000

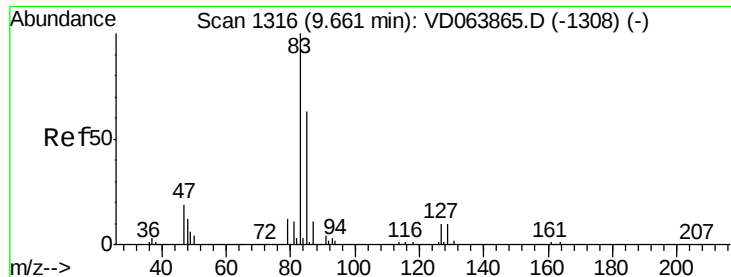
5000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 20.887 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

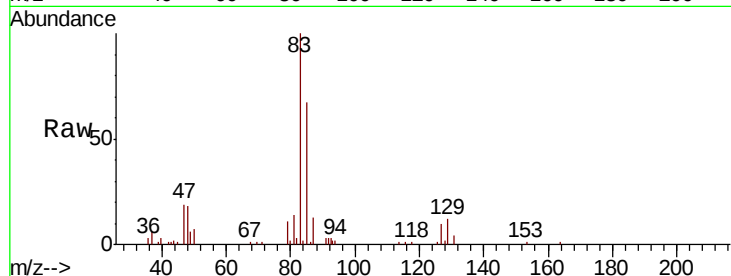
Tot Ion: 83 Resp: 47931

Ion Ratio Lower Upper

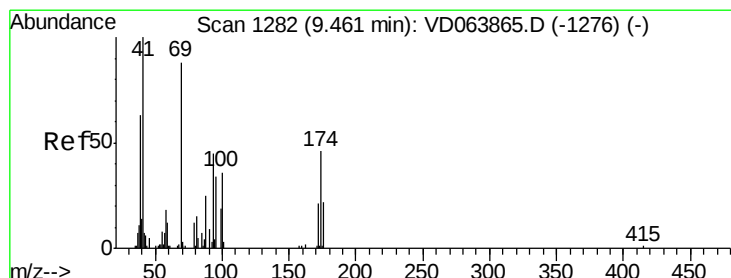
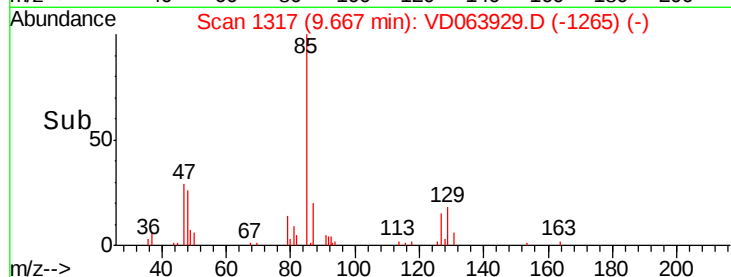
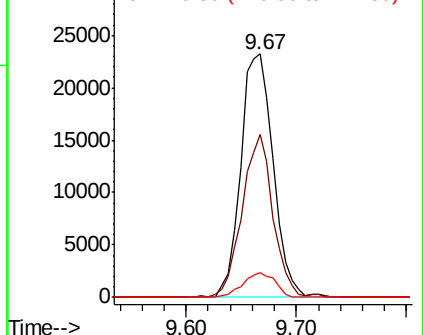
83 100

85 67.1 50.2 75.2

127 10.0 7.6 11.4



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



#48

Methyl methacrylate

Concen: 20.940 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

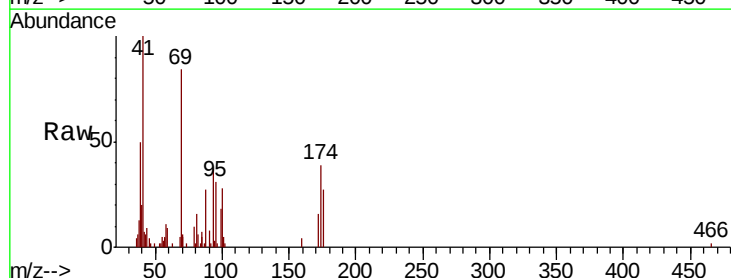
Tgt Ion: 41 Resp: 18774

Ion Ratio Lower Upper

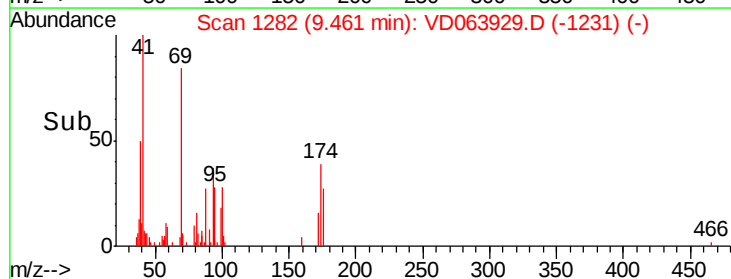
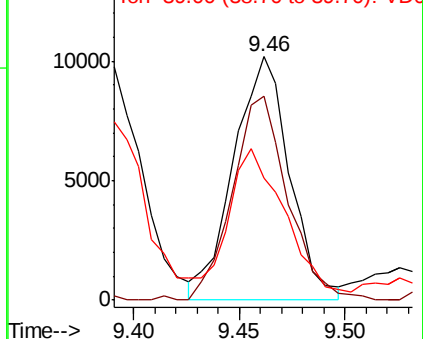
41 100

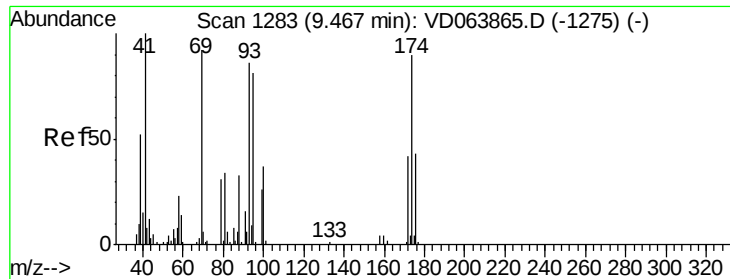
69 83.1 75.1 112.7

39 63.7 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

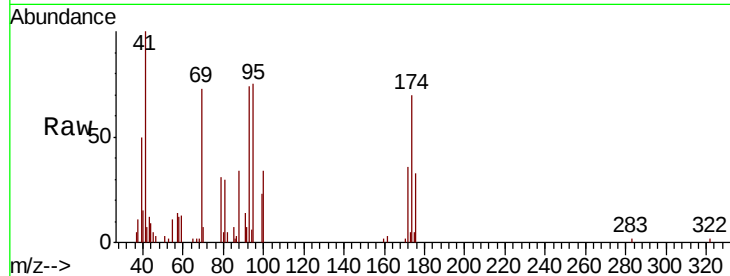




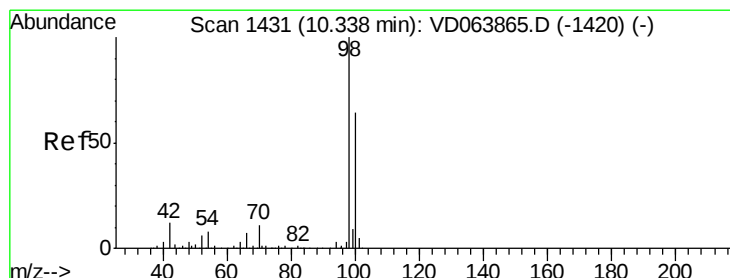
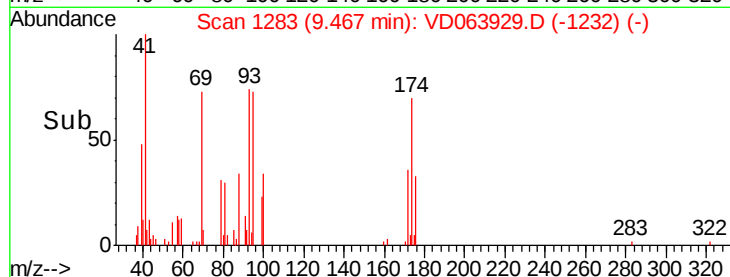
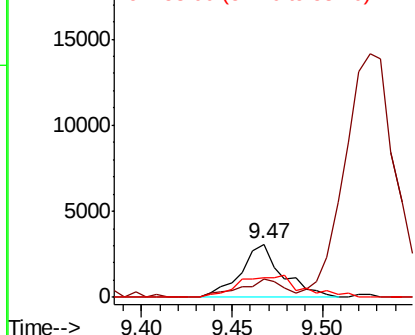
#49
1,4-Dioxane
Concen: 404.886 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion: 88 Resp: 4926
Ion Ratio Lower Upper
88 100
43 36.2 27.6 41.4
58 62.1 54.1 81.1

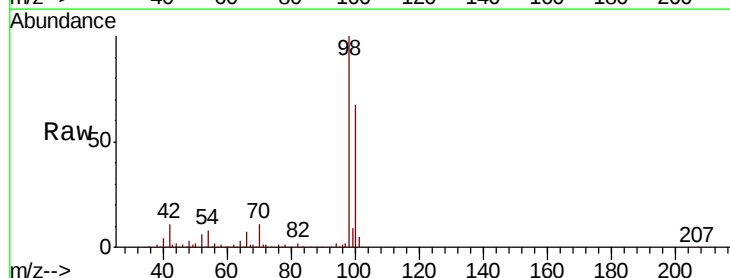


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

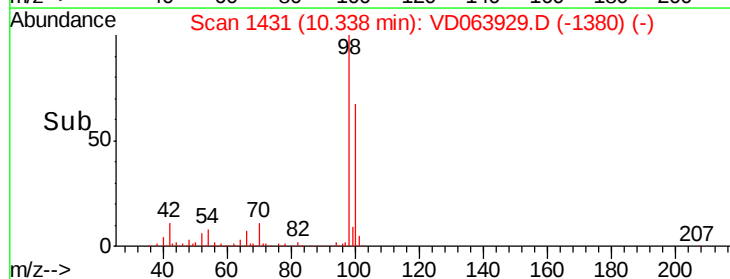
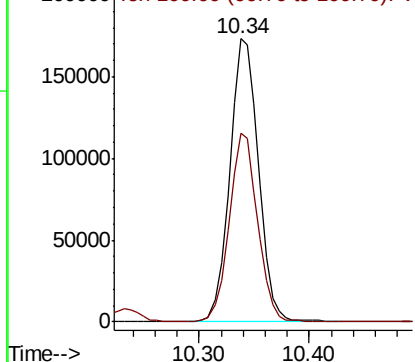


#50
Toluene-d8
Concen: 52.066 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion: 98 Resp: 315166
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 101.773 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

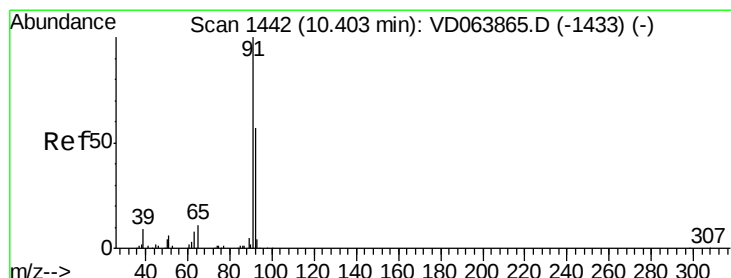
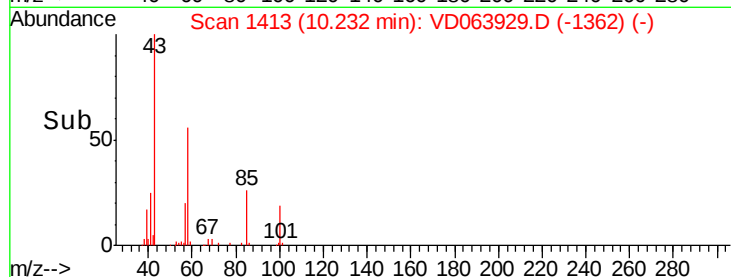
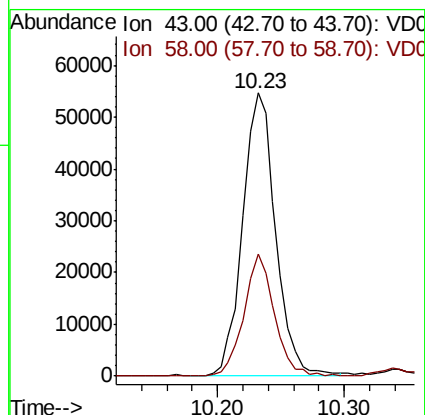
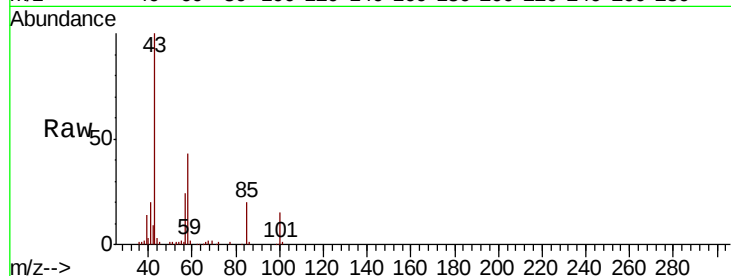
VD1011SBS01

Tot Ion: 43 Resp: 98765

Ion Ratio Lower Upper

43 100

58 39.8 33.0 49.4



#52

Toluene

Concen: 22.509 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063929.D

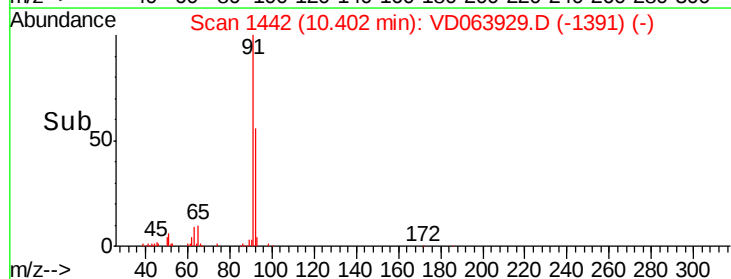
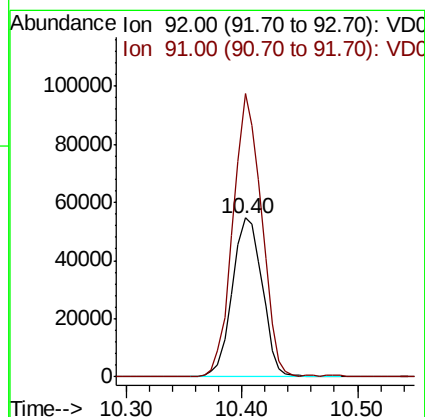
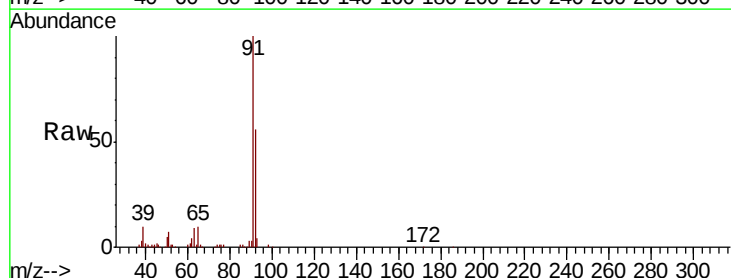
Acq: 11 Oct 2019 11:29

Tgt Ion: 92 Resp: 98803

Ion Ratio Lower Upper

92 100

91 169.2 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 20.588 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

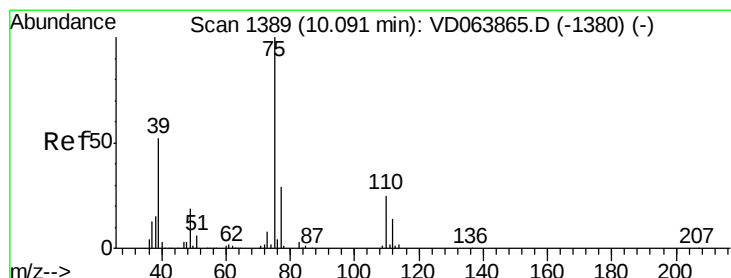
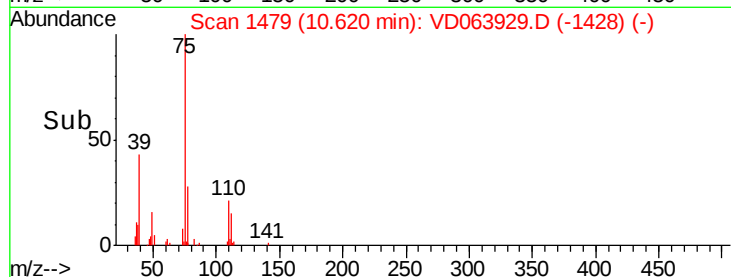
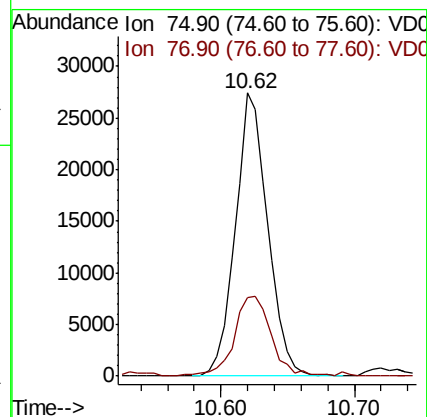
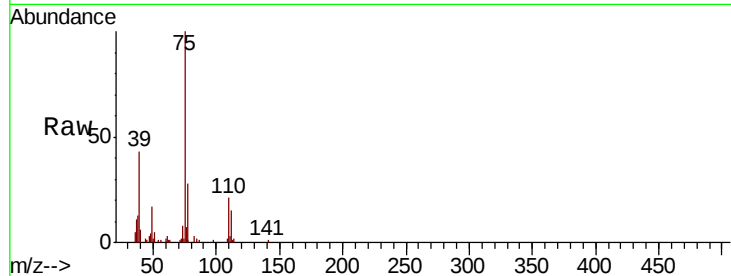
VD1011SBS01

Tot Ion: 75 Resp: 46102

Ion Ratio Lower Upper

75 100

77 27.0 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 20.848 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

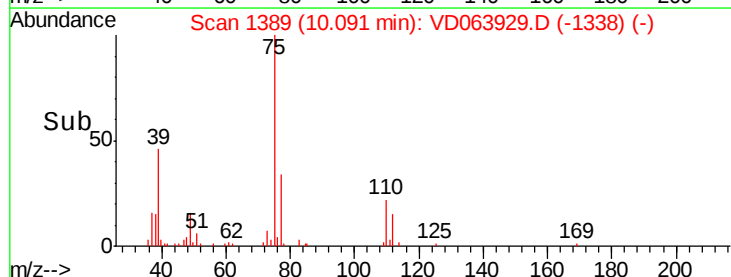
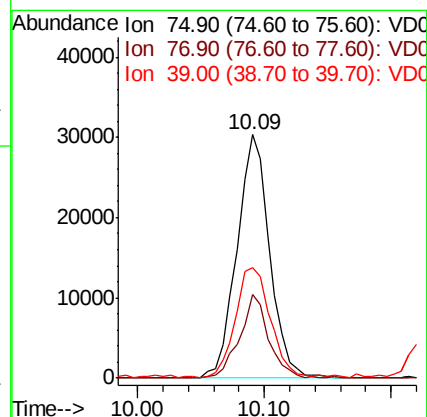
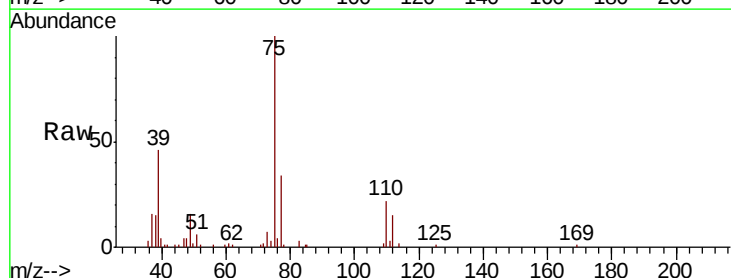
Tgt Ion: 75 Resp: 53740

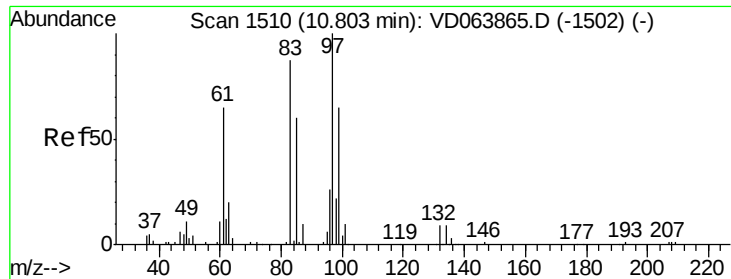
Ion Ratio Lower Upper

75 100

77 34.3 23.2 34.8

39 44.8 41.5 62.3

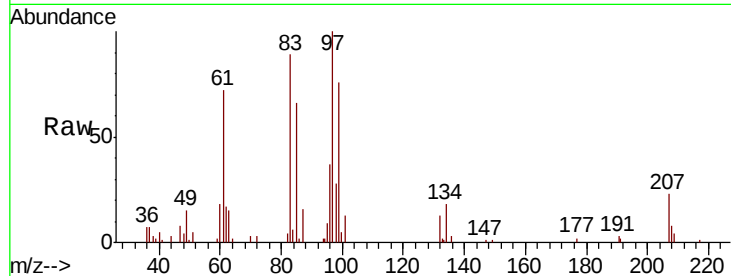




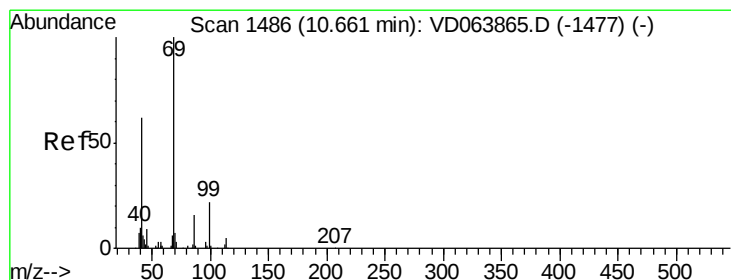
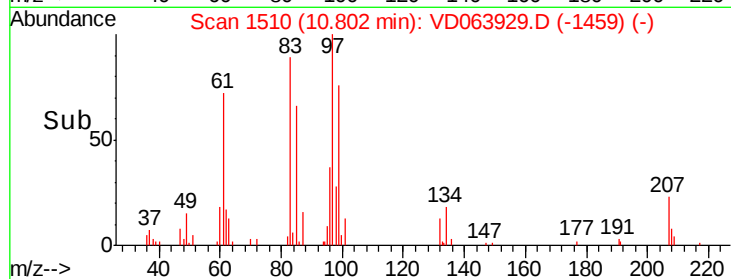
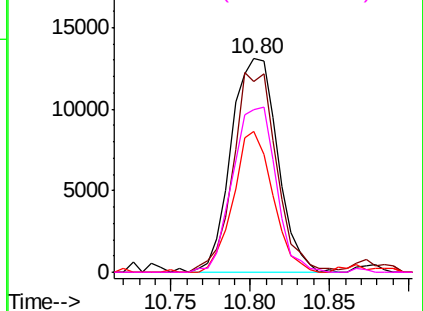
#55
 1,1,2-Trichloroethane
 Concen: 21.164 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Tot Ion:	97	Resp:	26635
Ion	Ratio	Lower	Upper
97	100		
83	89.1	69.7	104.5
85	66.2	48.1	72.1
99	76.4	51.9	77.9

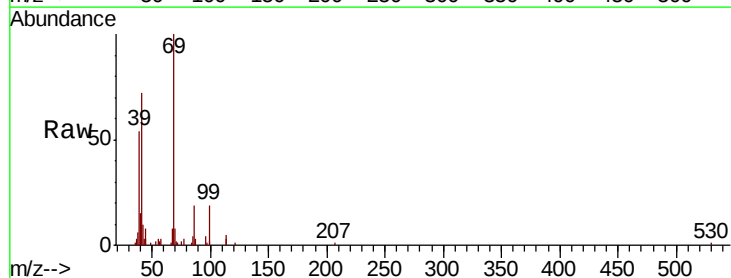


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

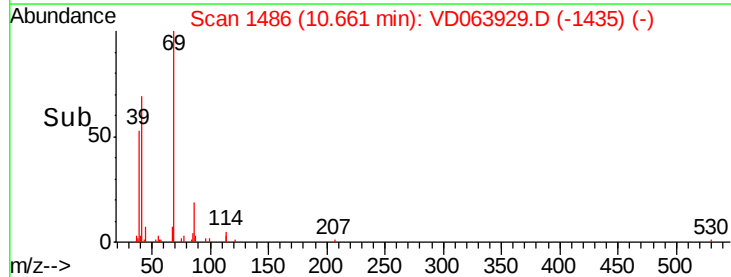
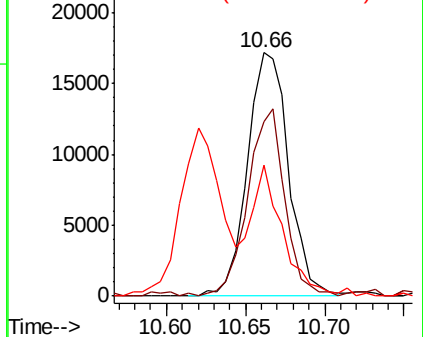


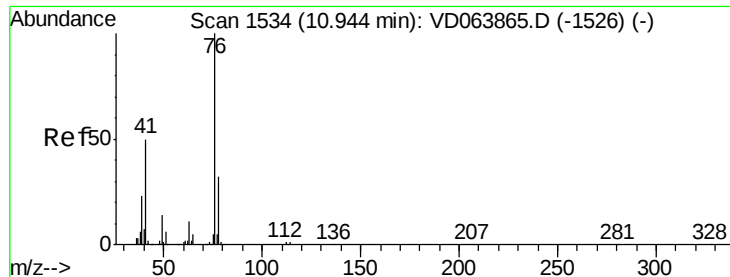
#56
 Ethyl methacrylate
 Concen: 19.401 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Tgt Ion:	69	Resp:	30919
Ion	Ratio	Lower	Upper
69	100		
41	69.2	51.3	76.9
39	40.5	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

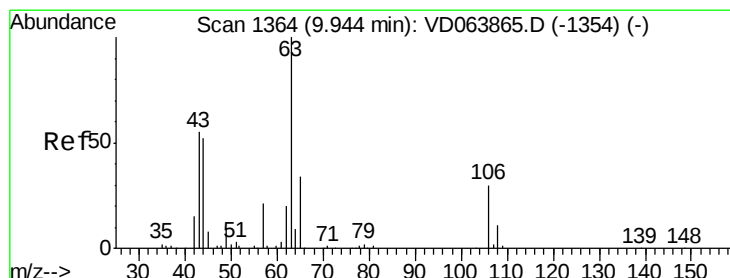
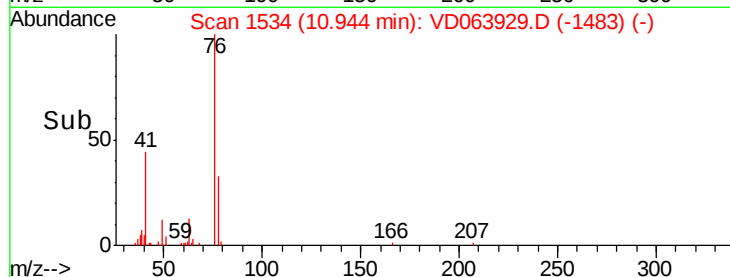
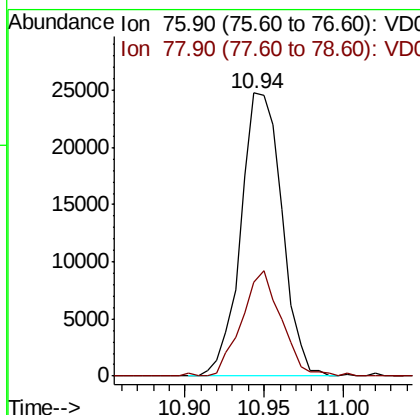
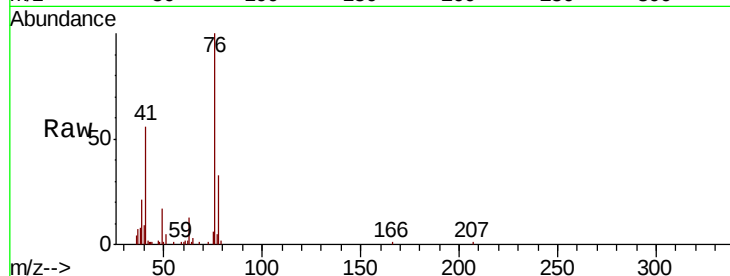




#57
 1,3-Dichloropropane
 Concen: 20.798 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

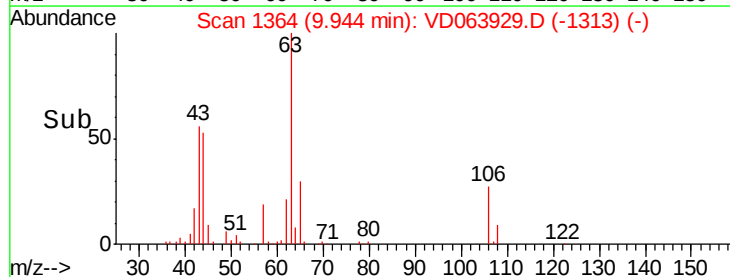
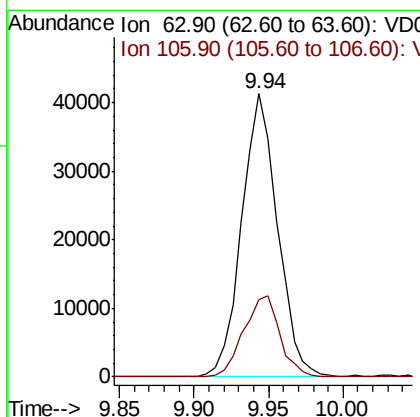
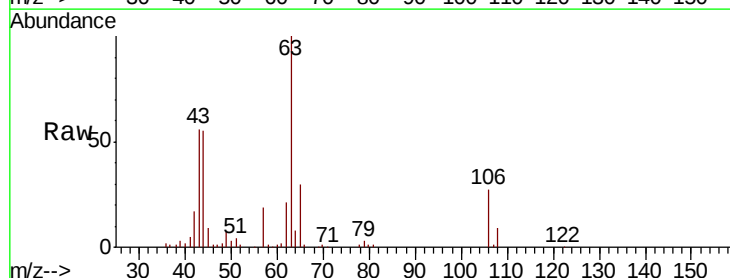
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

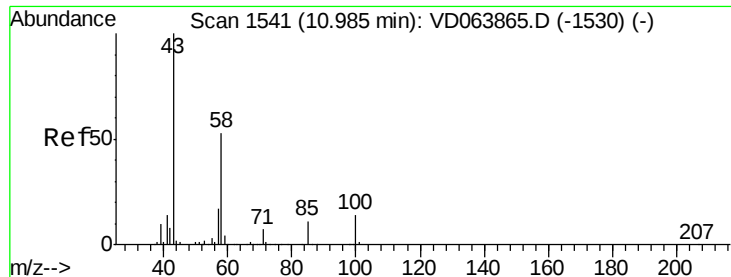
Tot Ion: 76 Resp: 44782
 Ion Ratio Lower Upper
 76 100
 78 35.8 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.101 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Tgt Ion: 63 Resp: 68573
 Ion Ratio Lower Upper
 63 100
 106 28.7 24.3 36.5

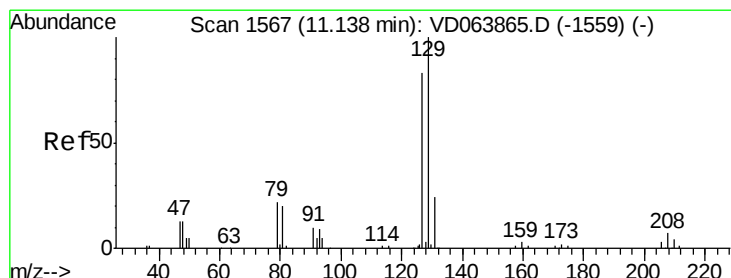
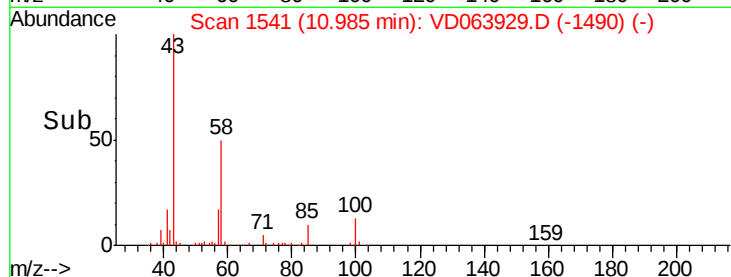
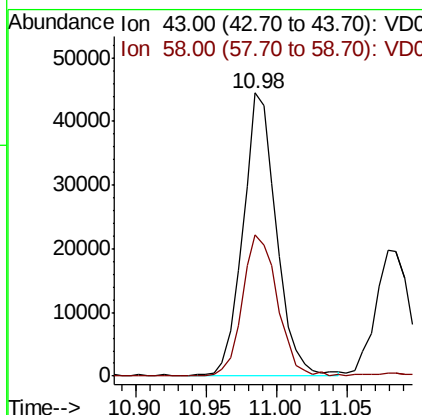
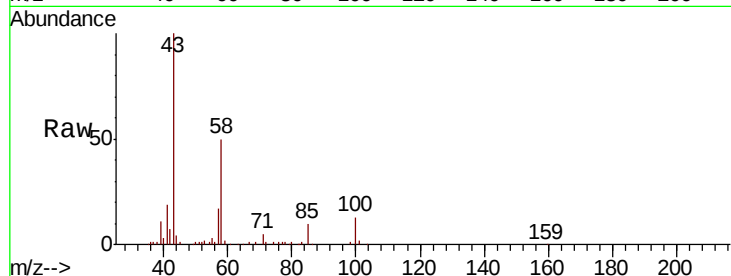




#59
2-Hexanone
Concen: 105.047 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

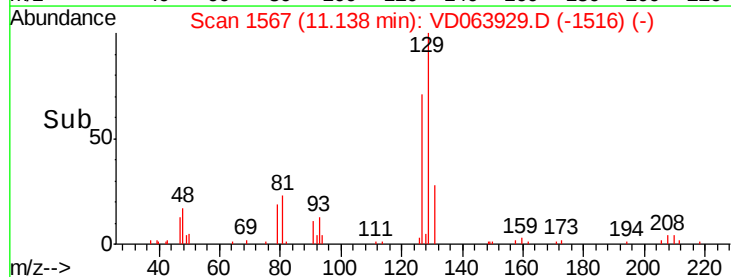
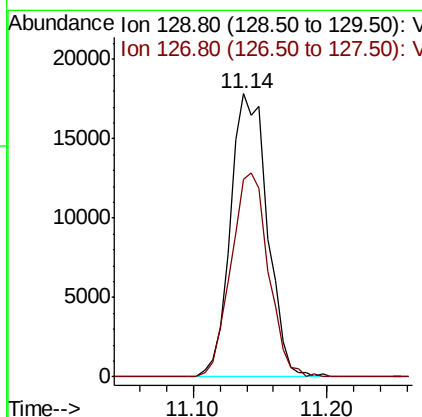
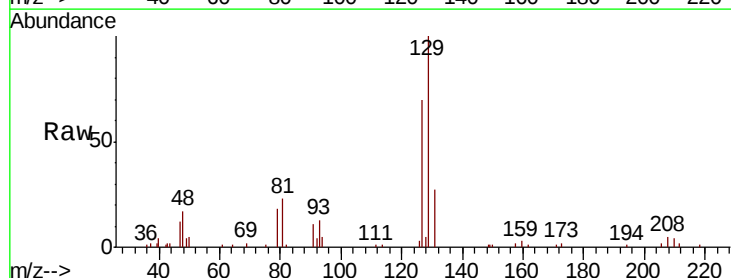
Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

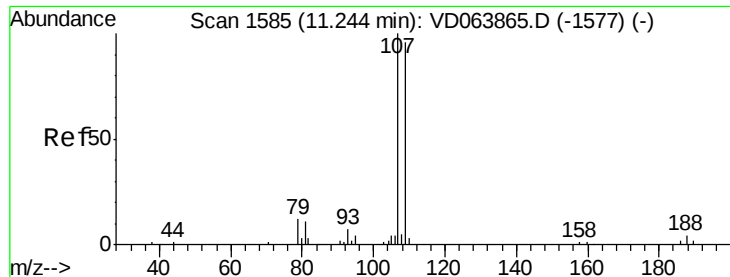
Tot Ion: 43 Resp: 73742
Ion Ratio Lower Upper
43 100
58 52.2 27.7 83.0



#60
Dibromochloromethane
Concen: 20.905 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion: 129 Resp: 34251
Ion Ratio Lower Upper
129 100
127 72.9 39.9 119.6

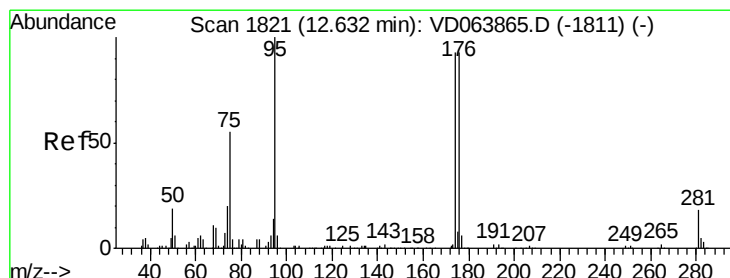
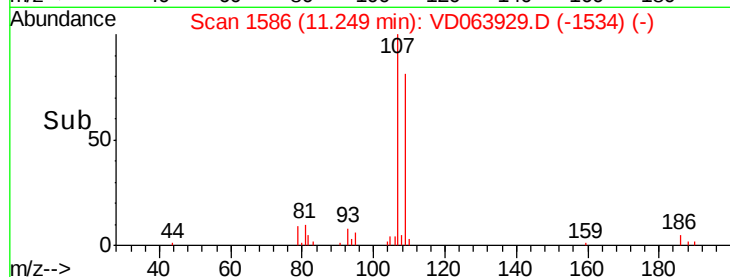
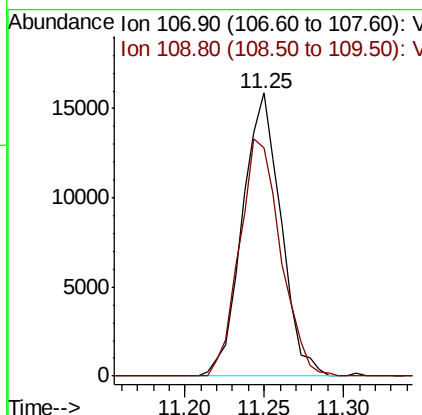
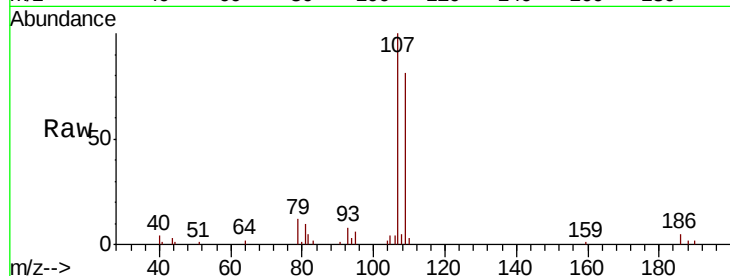




#61
 1,2-Dibromoethane
 Concen: 22.007 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

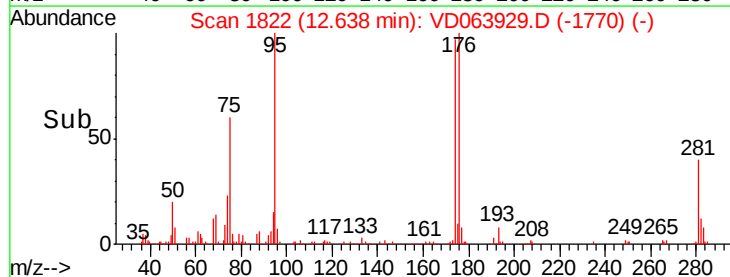
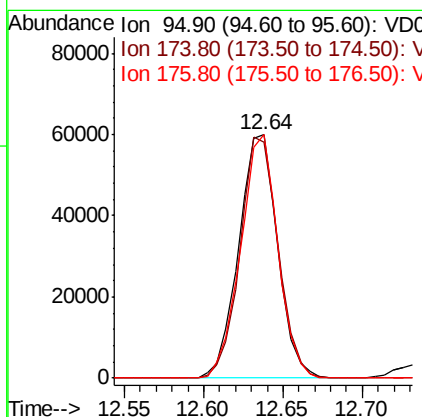
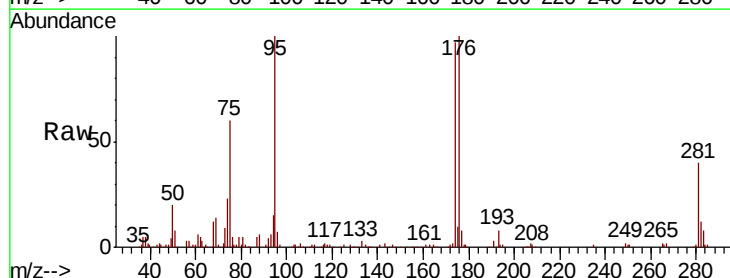
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

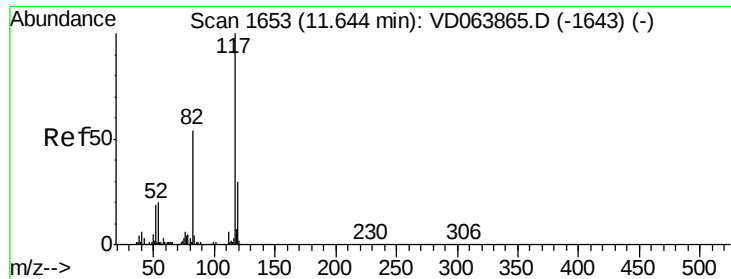
Tot Ion: 107 Resp: 26850
 Ion Ratio Lower Upper
 107 100
 109 89.4 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 48.572 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Tgt Ion: 95 Resp: 102169
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 186.4
 176 95.4 0.0 184.2

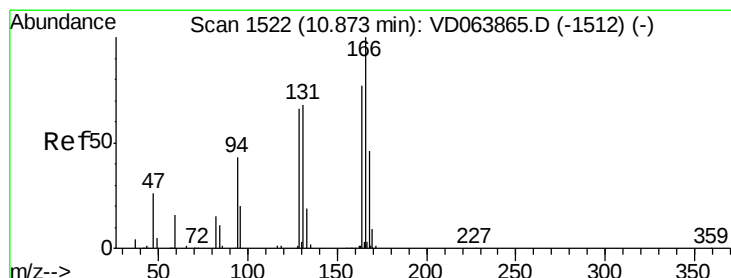
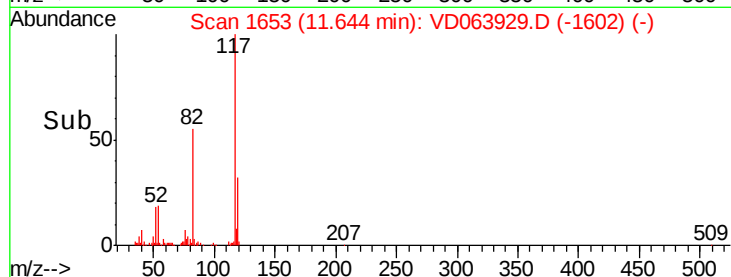
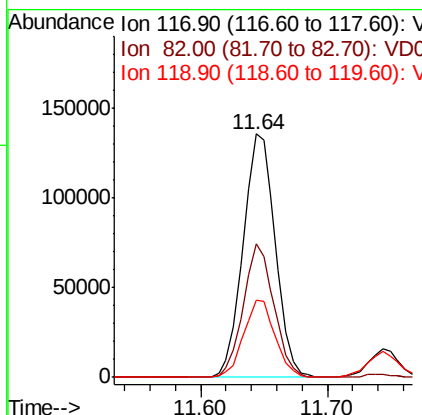
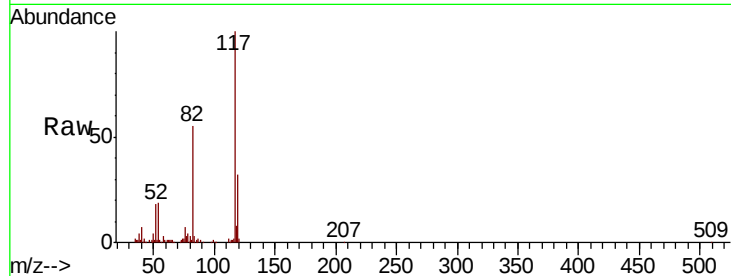




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

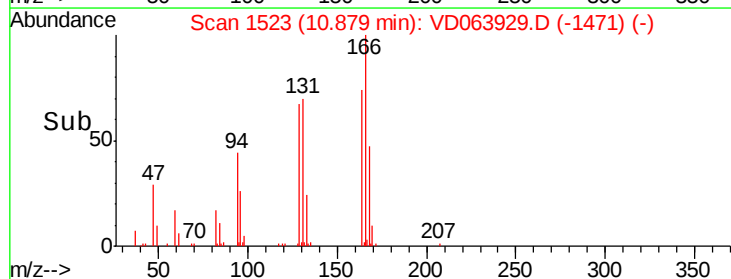
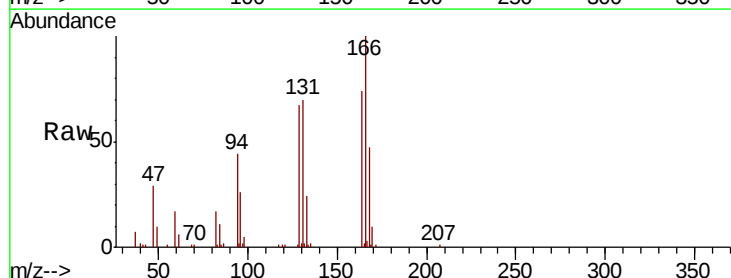
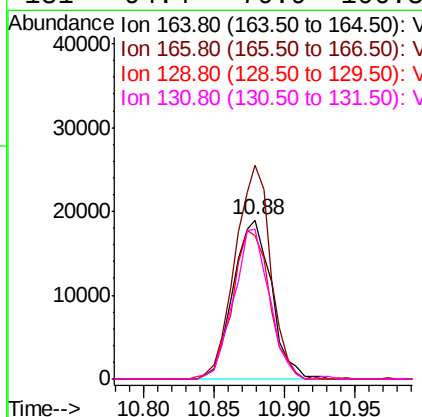
Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

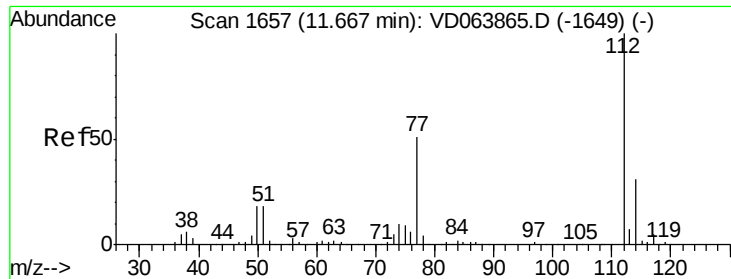
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	42.8	64.2
119	32.0	24.4	36.6



#64
Tetrachloroethene
Concen: 22.014 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.5	103.8	155.6
129	90.5	68.9	103.3
131	94.4	70.9	106.3

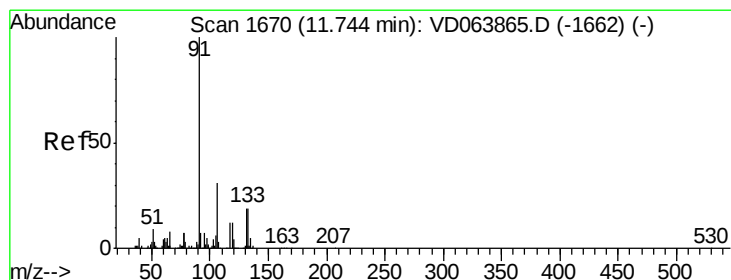
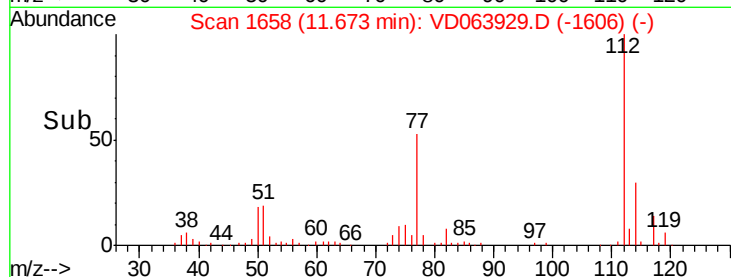
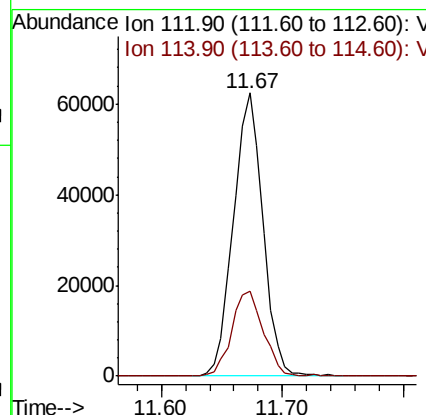
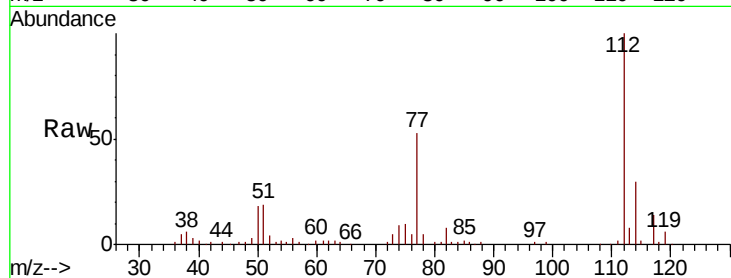




#65
Chlorobenzene
Concen: 22.083 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

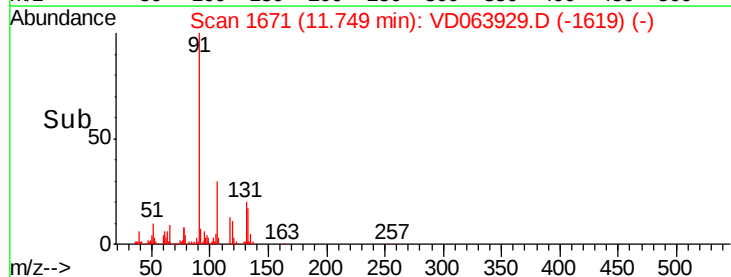
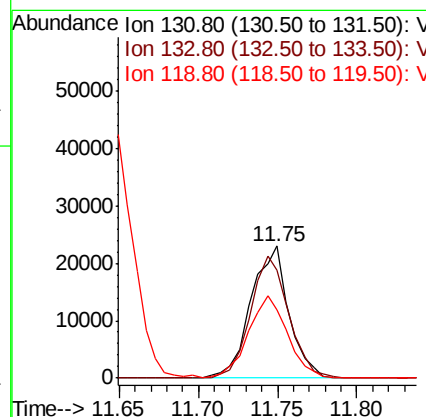
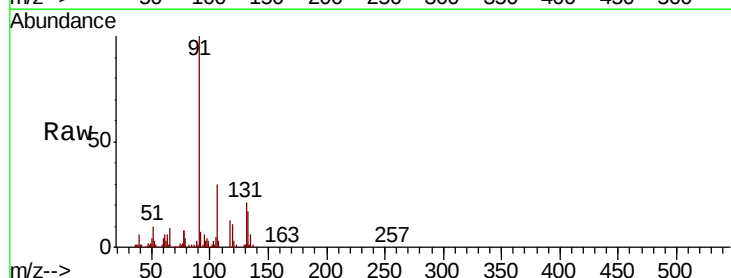
Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion:112 Resp: 106037
Ion Ratio Lower Upper
112 100
114 30.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.511 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion:131 Resp: 38060
Ion Ratio Lower Upper
131 100
133 93.4 48.9 146.7
119 64.1 32.6 97.8





#67

Ethyl Benzene

Concen: 22.001 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

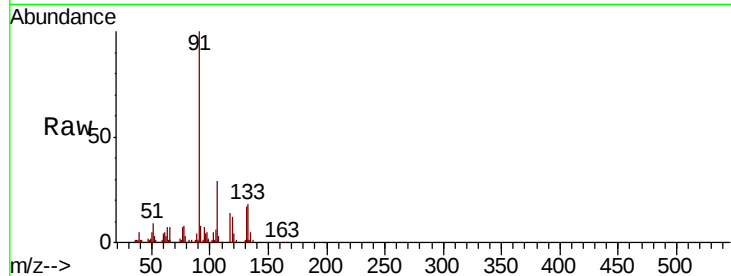
VD1011SBS01

Tot Ion: 91 Resp: 190494

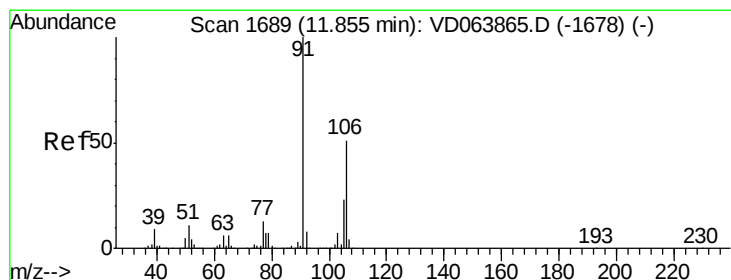
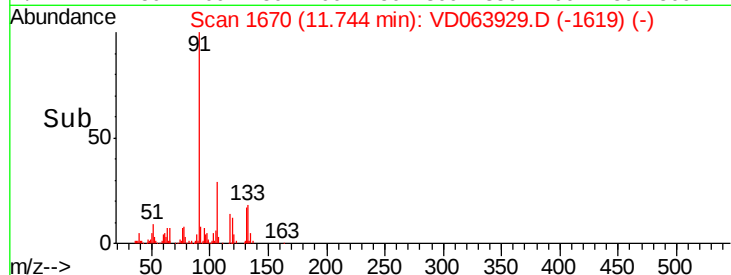
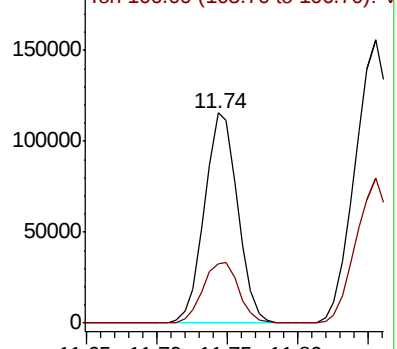
Ion Ratio Lower Upper

91 100

106 28.6 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 43.489 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063929.D

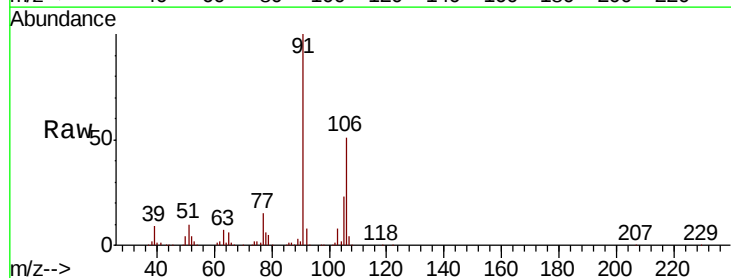
Acq: 11 Oct 2019 11:29

Tgt Ion: 106 Resp: 145342

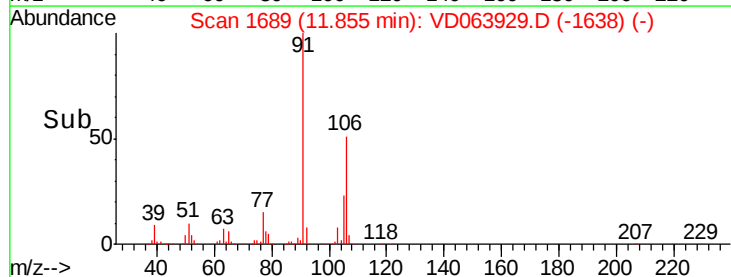
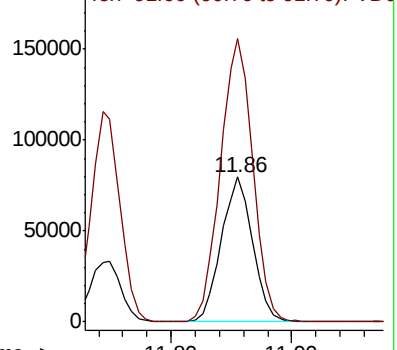
Ion Ratio Lower Upper

106 100

91 200.2 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): V

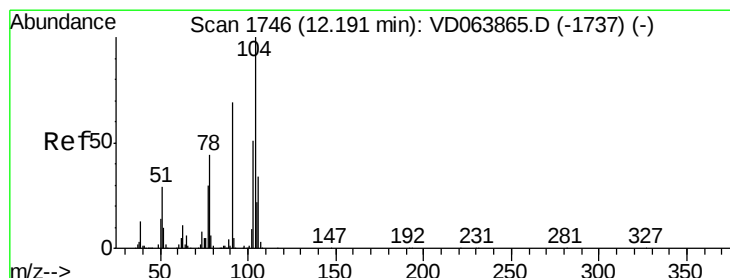
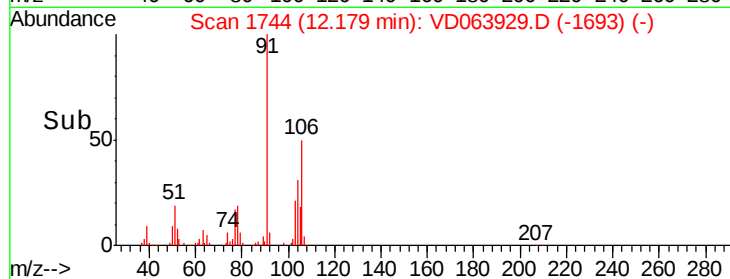
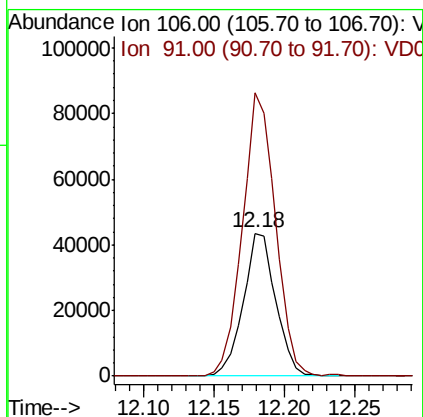
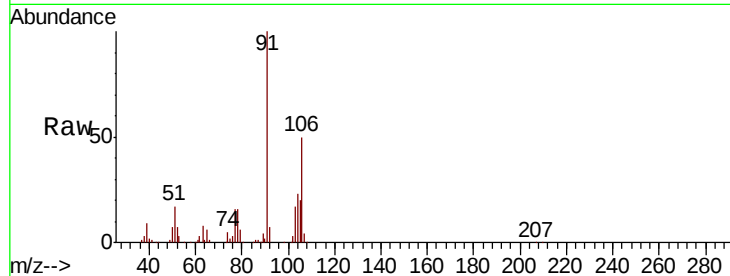




#69
o-Xylene
Concen: 21.899 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

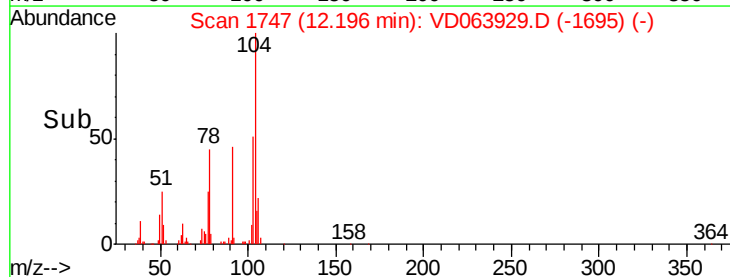
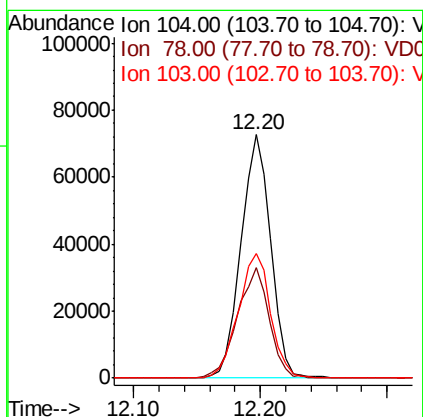
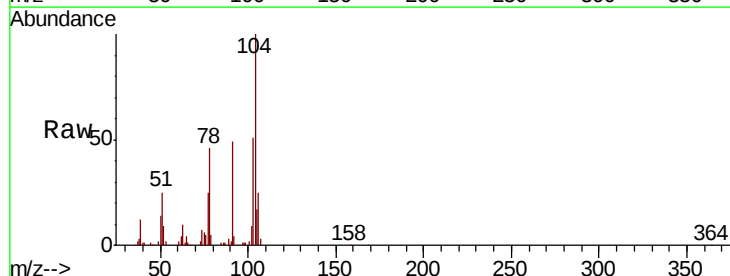
Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

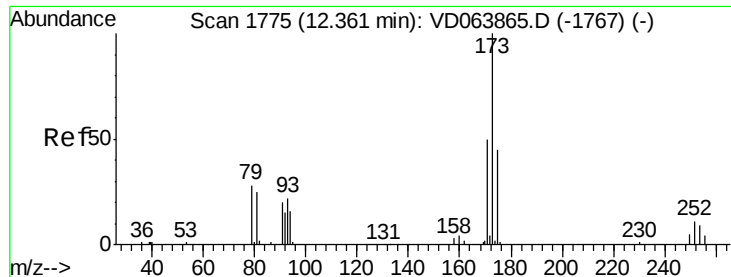
Tot Ion:106 Resp: 70079
Ion Ratio Lower Upper
106 100
91 201.7 103.9 311.7



#70
Styrene
Concen: 21.771 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion:104 Resp: 117942
Ion Ratio Lower Upper
104 100
78 48.7 37.0 55.4
103 55.9 44.2 66.4

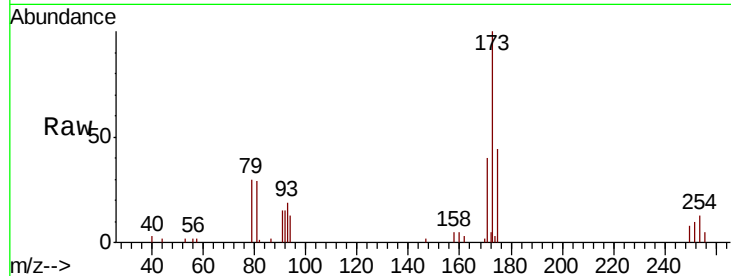




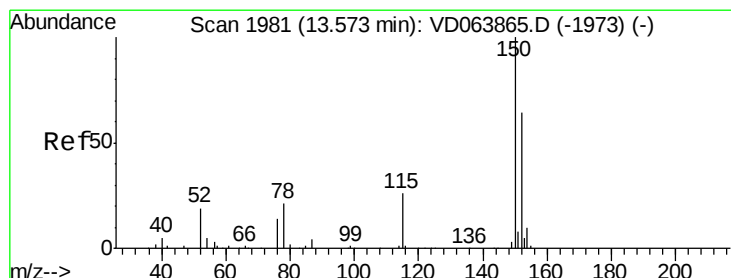
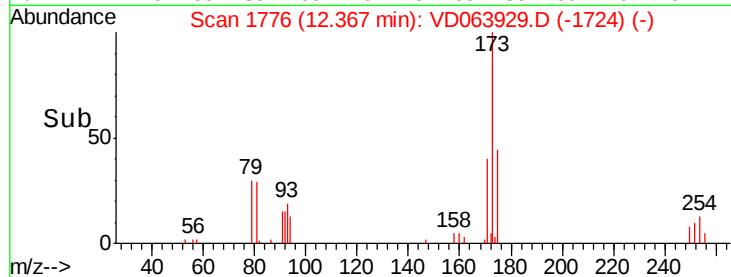
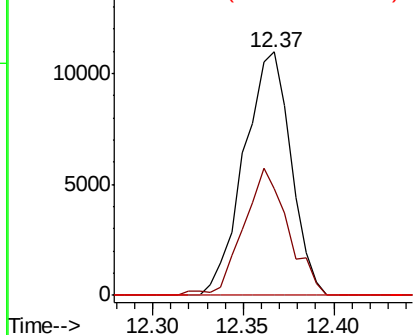
#71
Bromoform
Concen: 20.753 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion:173 Resp: 19706
Ion Ratio Lower Upper
173 100
175 50.0 24.6 74.0
254 0.0 0.0 0.0

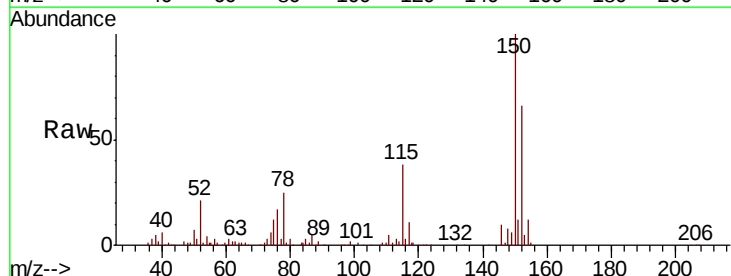


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

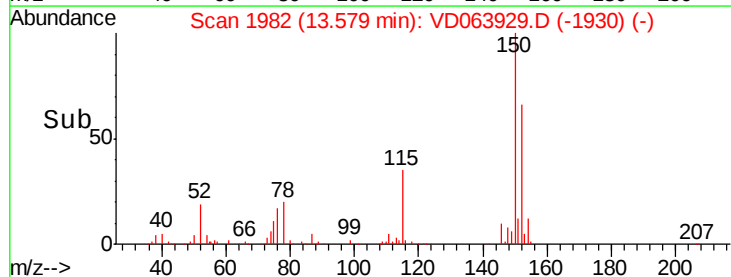
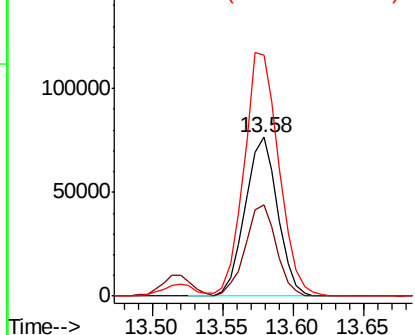


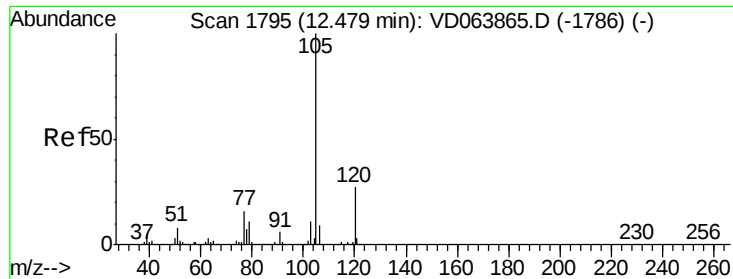
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion:152 Resp: 123711
Ion Ratio Lower Upper
152 100
115 55.2 25.9 77.7
150 164.3 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: 22.996 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

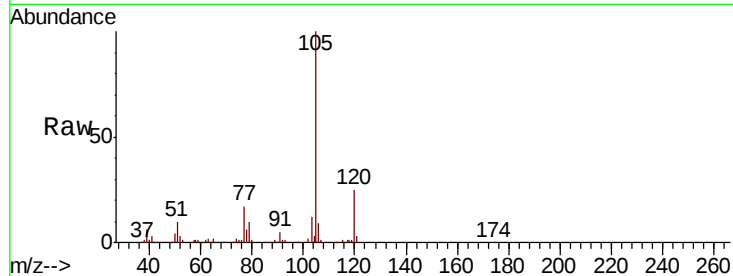
VD1011SBS01

Tot Ion:105 Resp: 191249

Ion Ratio Lower Upper

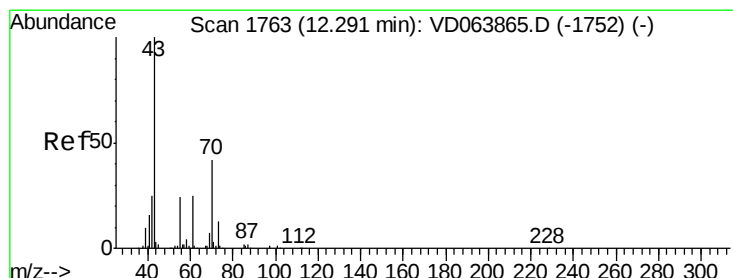
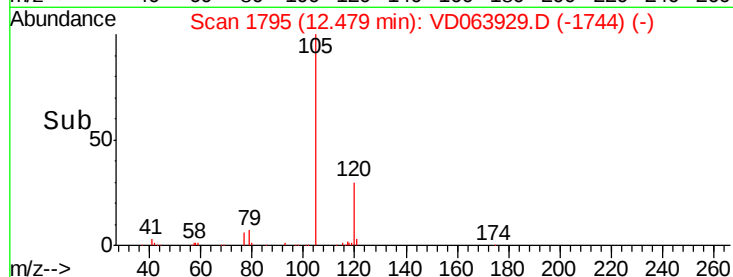
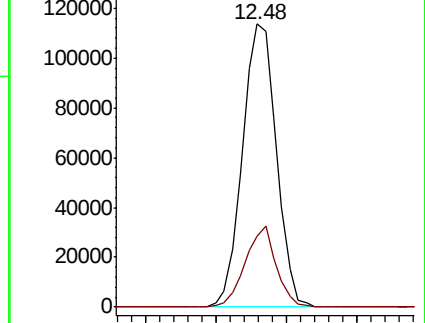
105 100

120 26.3 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: 20.616 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Tgt Ion: 43 Resp: 36914

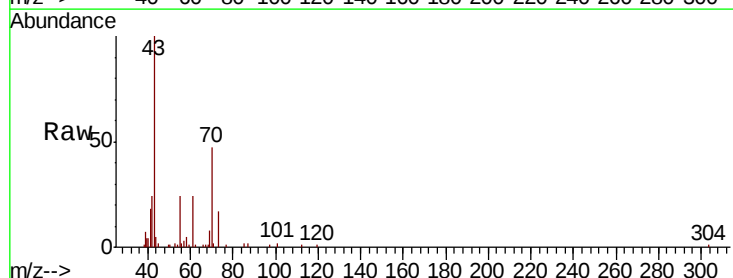
Ion Ratio Lower Upper

43 100

70 46.8 35.8 53.6

55 25.5 19.4 29.0

61 23.1 20.4 30.6

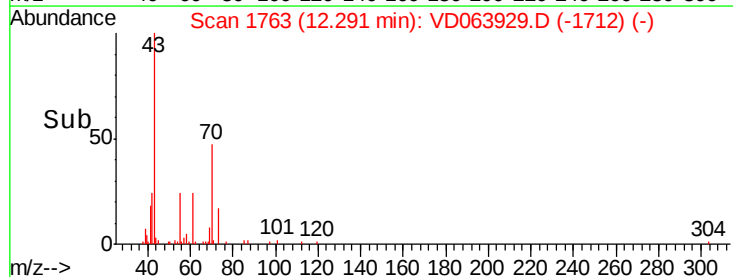
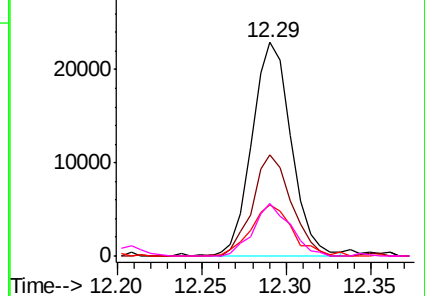


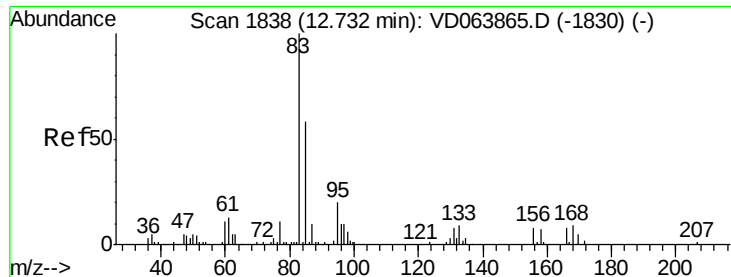
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.070 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

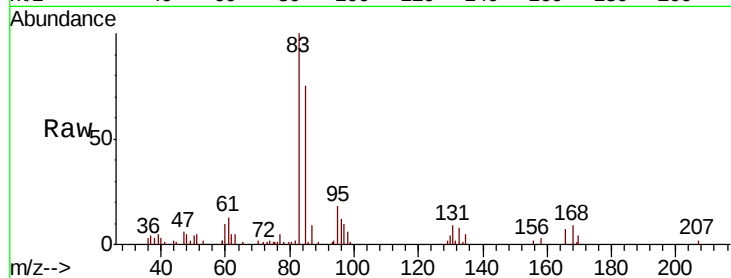
Tot Ion: 83 Resp: 30492

Ion Ratio Lower Upper

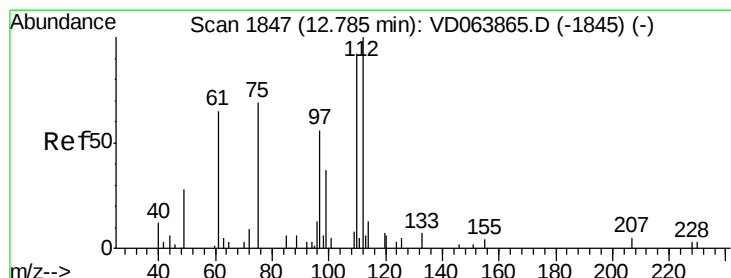
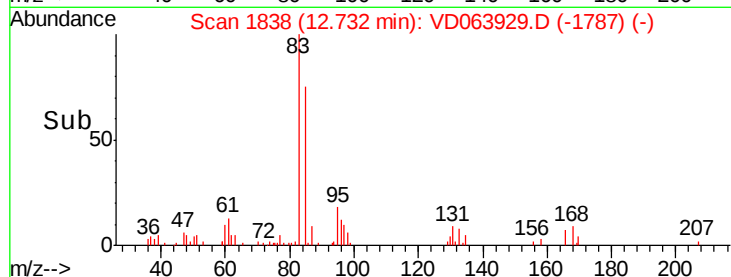
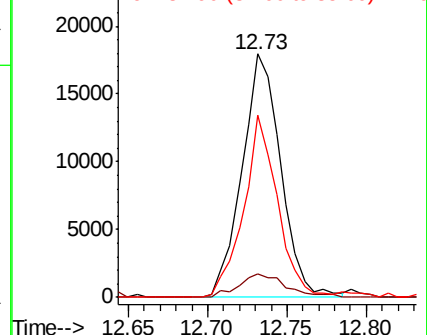
83 100

131 11.7 5.6 16.8

85 65.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 48.156 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD063929.D

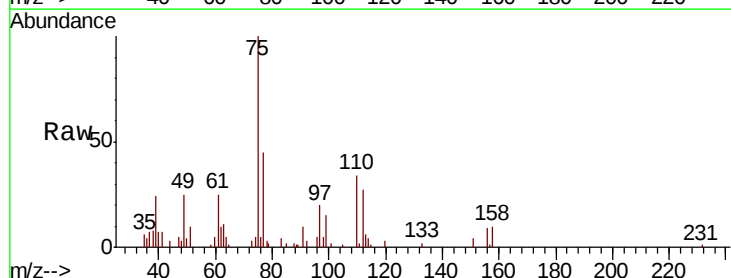
Acq: 11 Oct 2019 11:29

Tgt Ion: 75 Resp: 39901

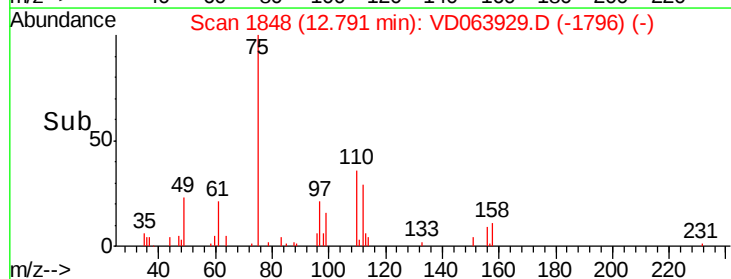
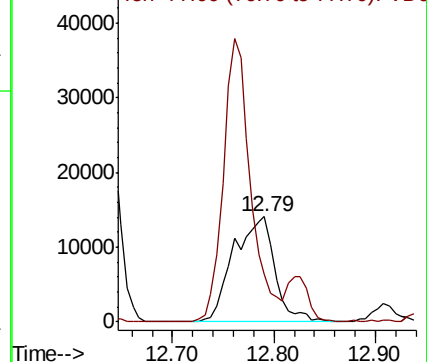
Ion Ratio Lower Upper

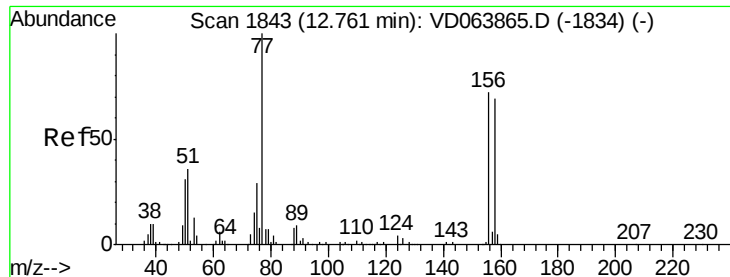
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.603 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

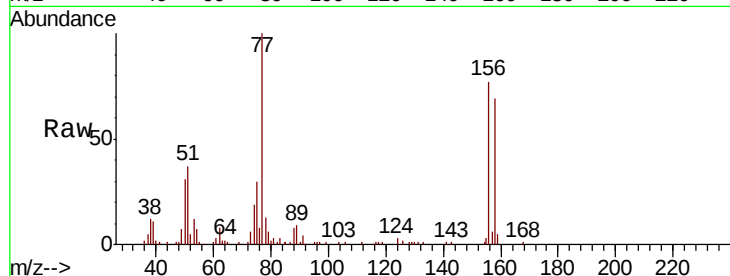
Tot Ion:156 Resp: 46834

Ion Ratio Lower Upper

156 100

77 152.4 80.3 241.0

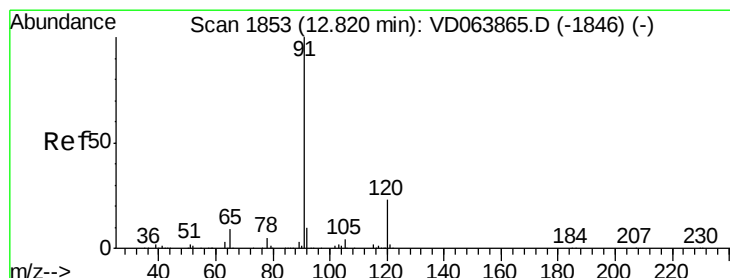
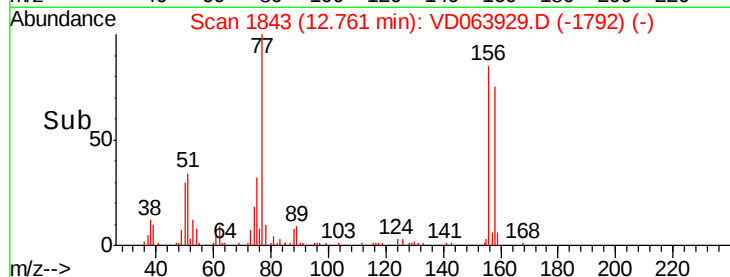
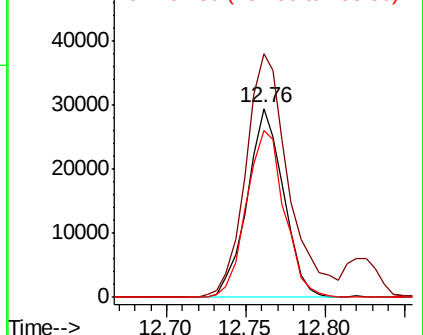
158 92.3 47.4 142.2



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: 23.887 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063929.D

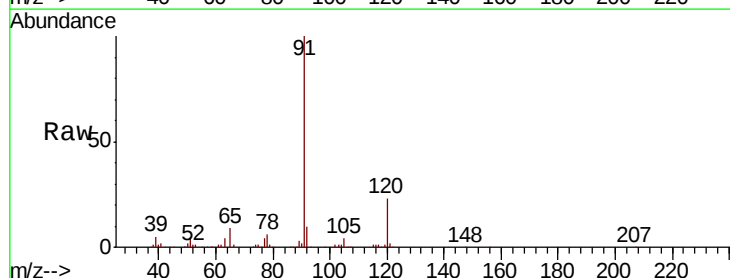
Acq: 11 Oct 2019 11:29

Tgt Ion: 91 Resp: 233184

Ion Ratio Lower Upper

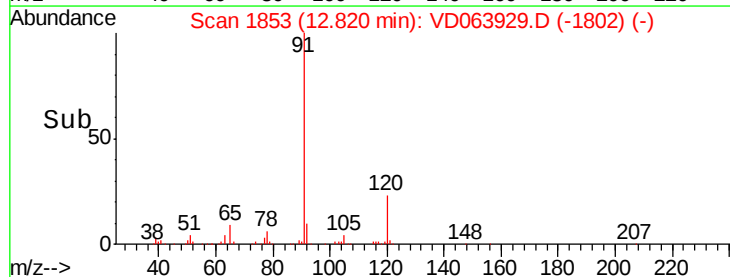
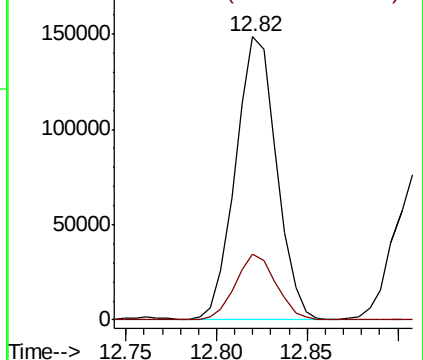
91 100

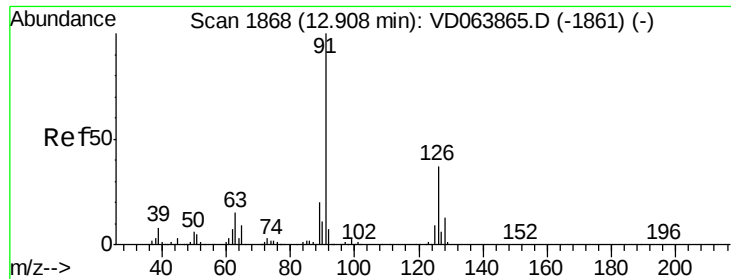
120 23.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.547 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

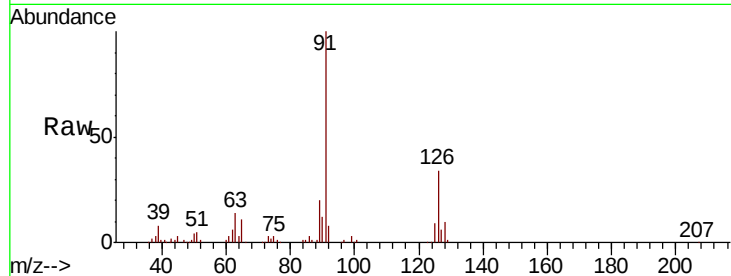
VD1011SBS01

Tot Ion: 91 Resp: 121362

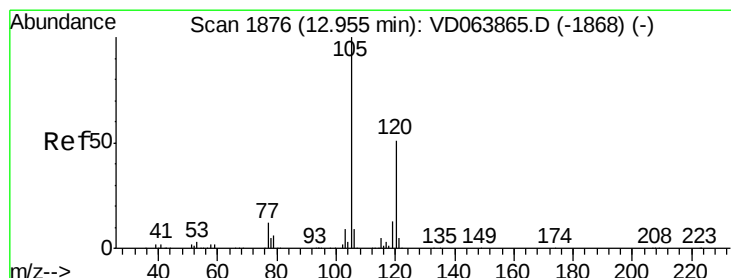
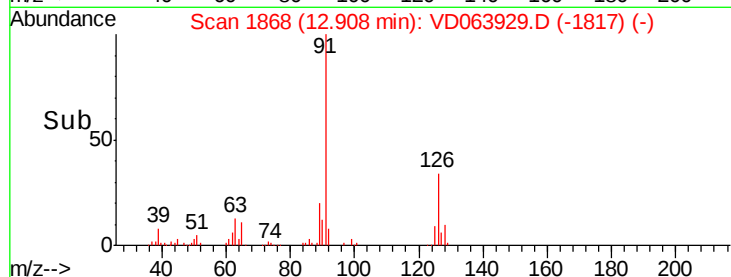
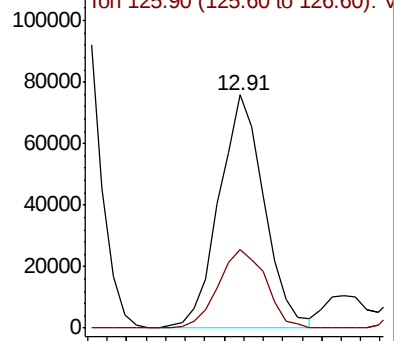
Ion Ratio Lower Upper

91 100

126 35.5 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 22.868 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063929.D

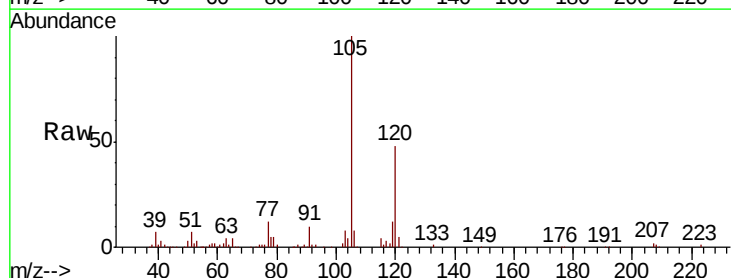
Acq: 11 Oct 2019 11:29

Tgt Ion:105 Resp: 158663

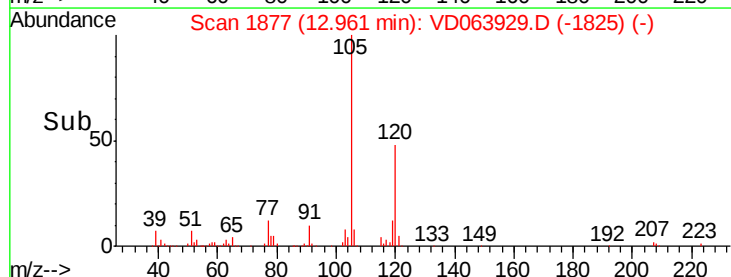
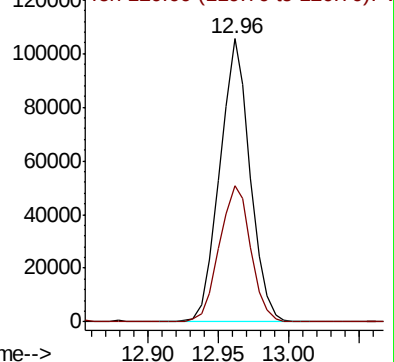
Ion Ratio Lower Upper

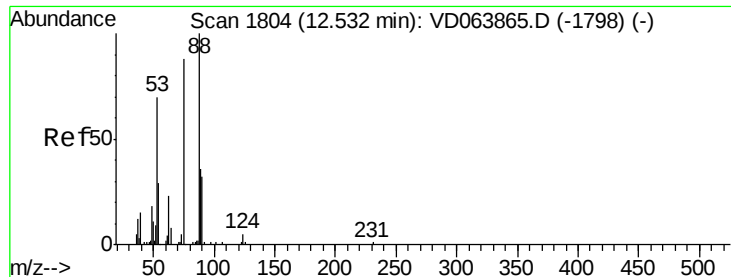
105 100

120 49.9 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.081 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

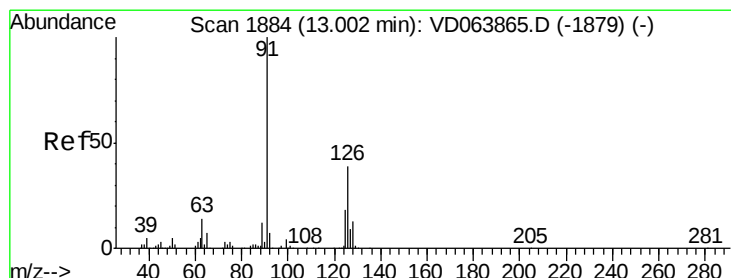
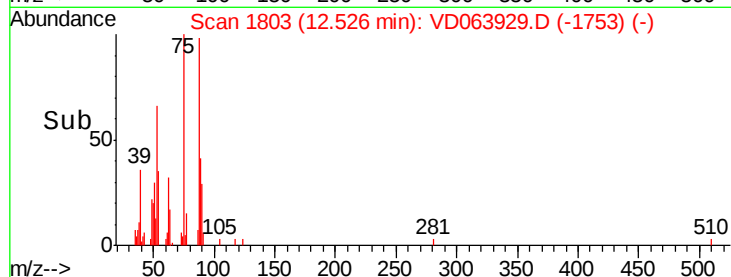
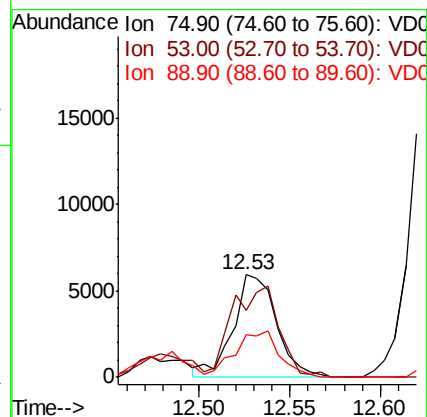
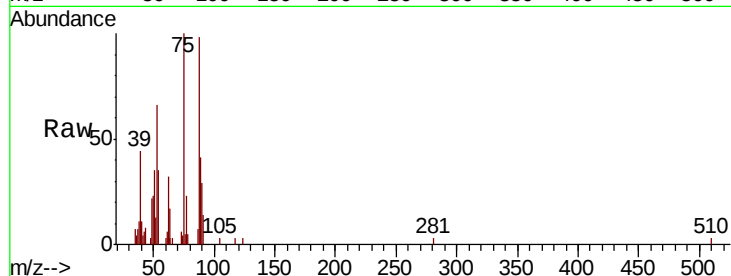
Tot Ion: 75 Resp: 9871

Ion Ratio Lower Upper

75 100

53 97.0 75.0 112.6

89 46.8 38.2 57.4



#82

4-Chlorotoluene

Concen: 21.942 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063929.D

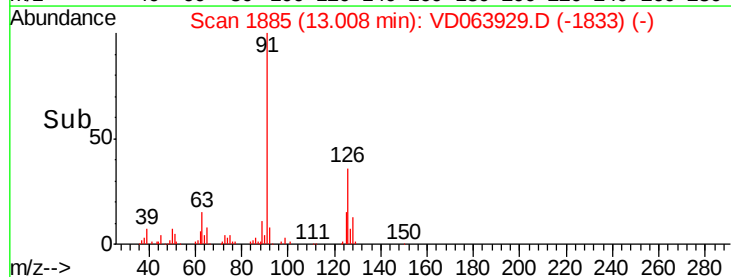
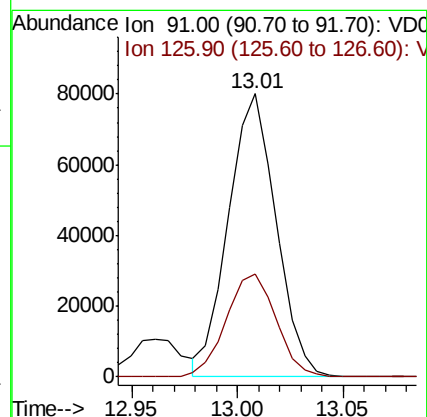
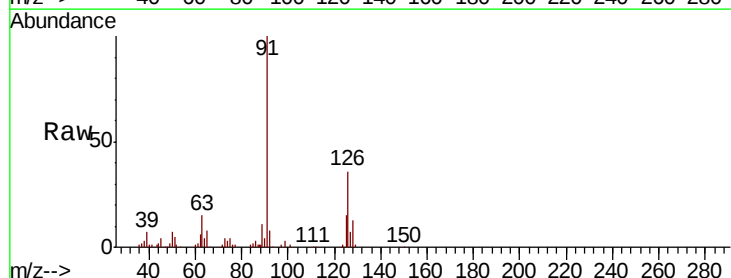
Acq: 11 Oct 2019 11:29

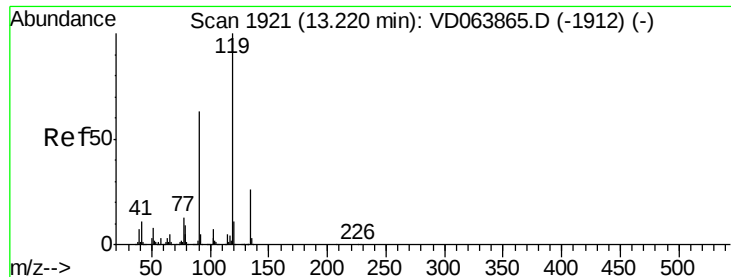
Tgt Ion: 91 Resp: 125288

Ion Ratio Lower Upper

91 100

126 38.2 18.6 55.8





#83

tert-Butylbenzene

Concen: 22.559 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

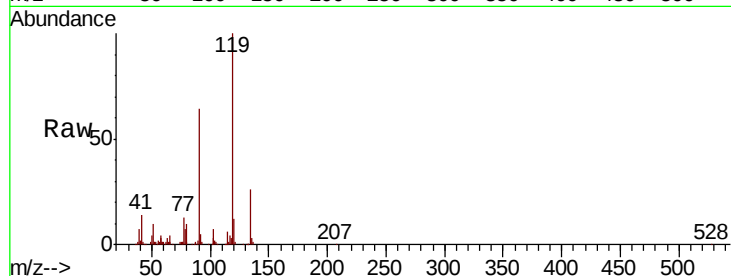
Tot Ion:119 Resp: 139296

Ion Ratio Lower Upper

119 100

91 61.0 30.0 90.0

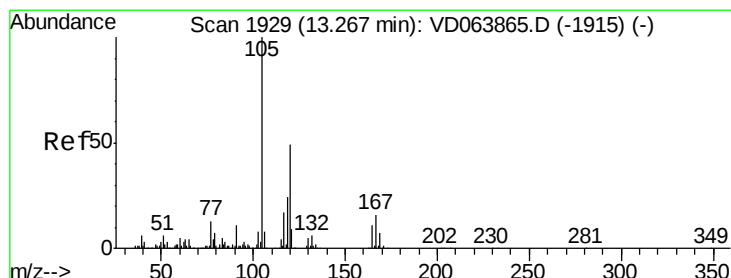
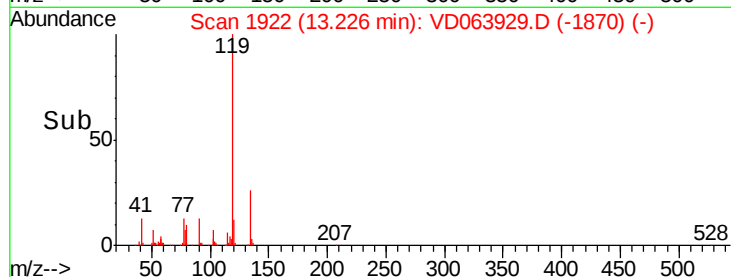
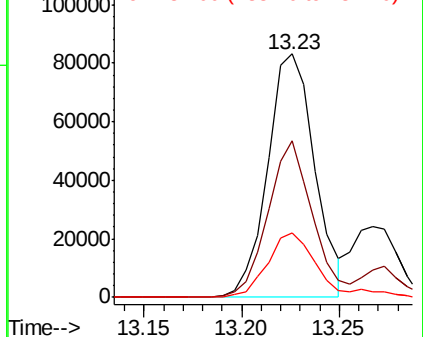
134 26.4 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.970 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.01 min

Lab File: VD063929.D

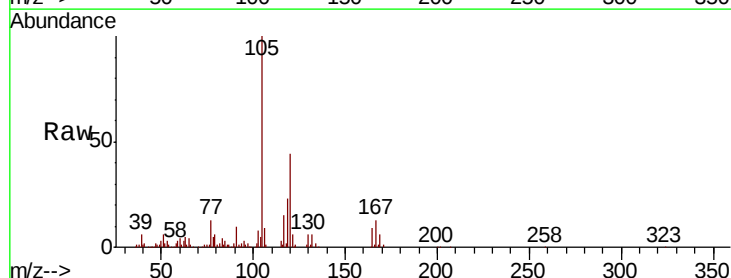
Acq: 11 Oct 2019 11:29

Tgt Ion:105 Resp: 157150

Ion Ratio Lower Upper

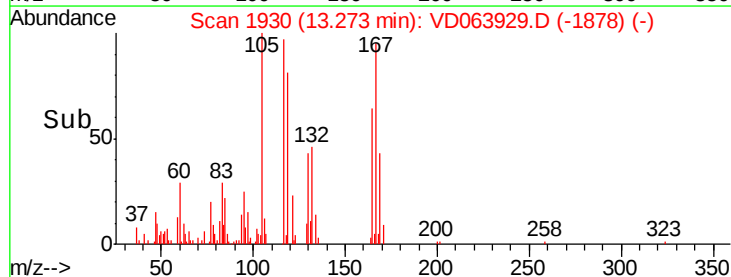
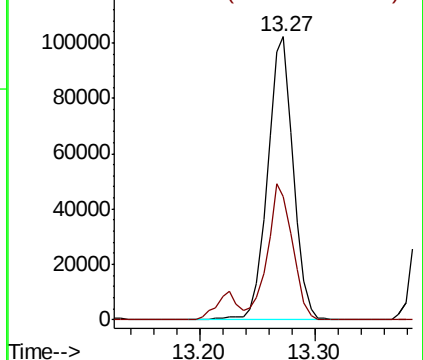
105 100

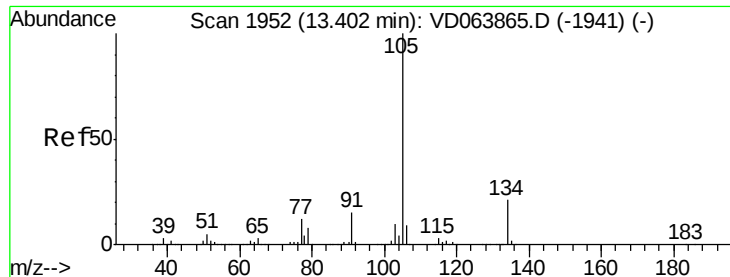
120 47.5 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 23.519 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

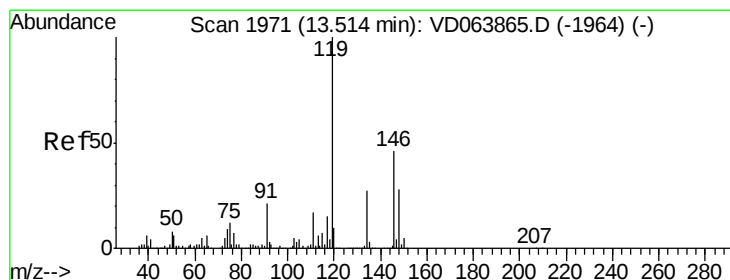
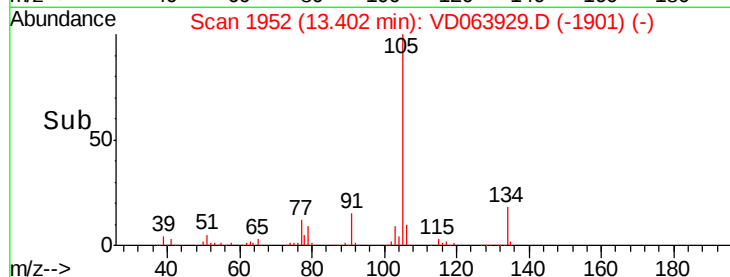
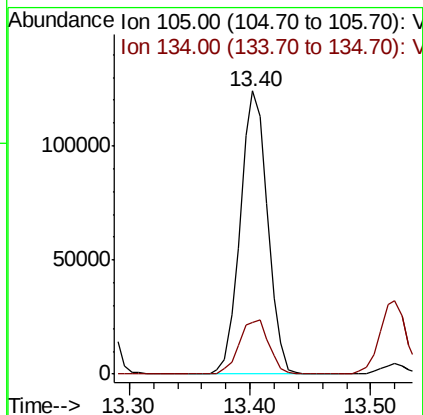
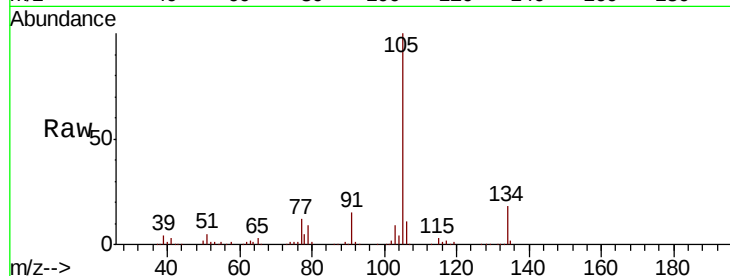
VD1011SBS01

Tot Ion:105 Resp: 196122

Ion Ratio Lower Upper

105 100

134 20.8 10.6 31.8



#86

p-Isopropyltoluene

Concen: 23.171 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

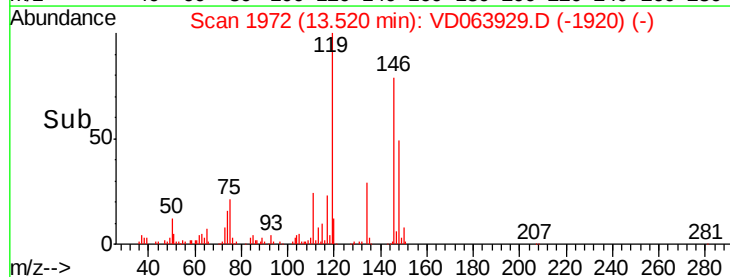
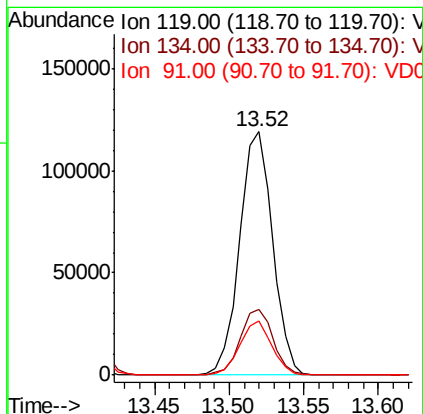
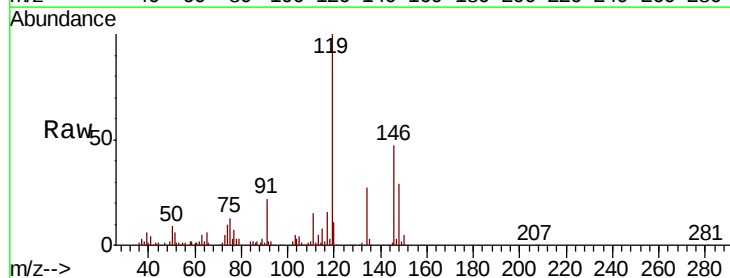
Tgt Ion:119 Resp: 182836

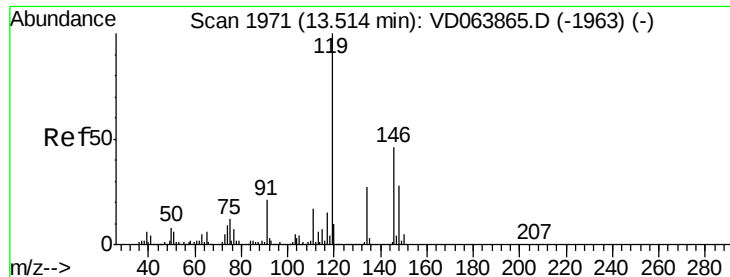
Ion Ratio Lower Upper

119 100

134 26.8 13.9 41.6

91 21.5 11.2 33.5

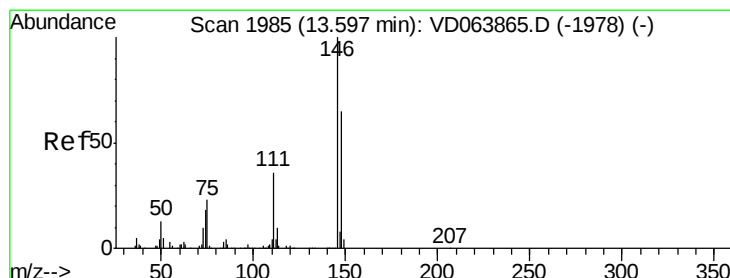
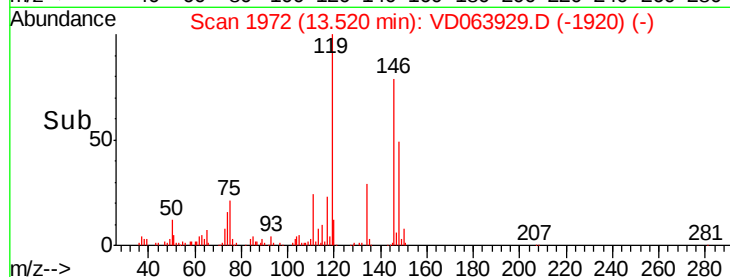
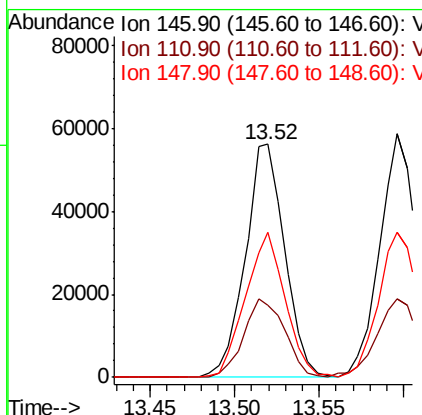
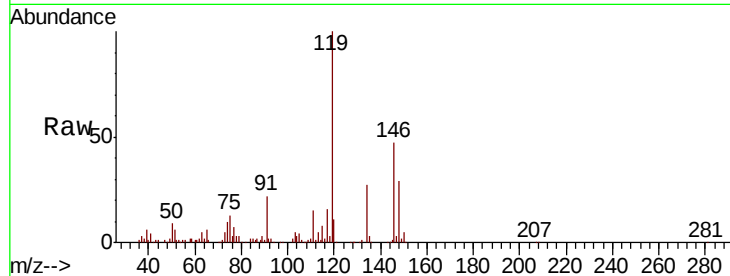




#87
 1,3-Dichlorobenzene
 Concen: 22.318 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

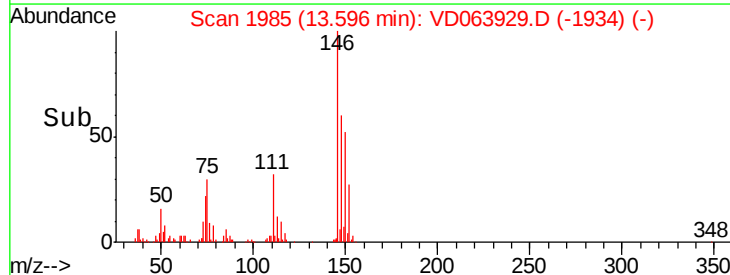
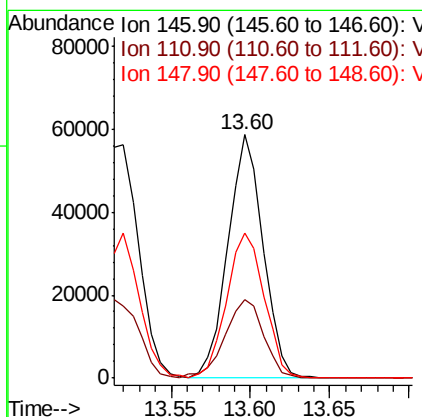
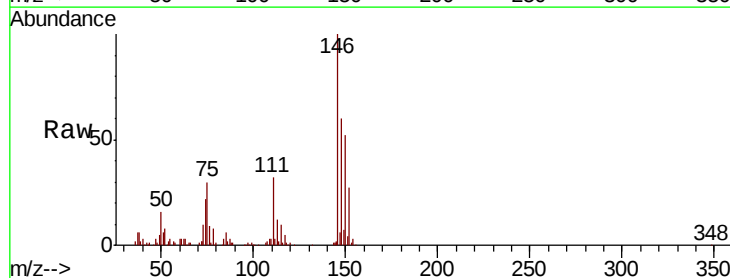
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

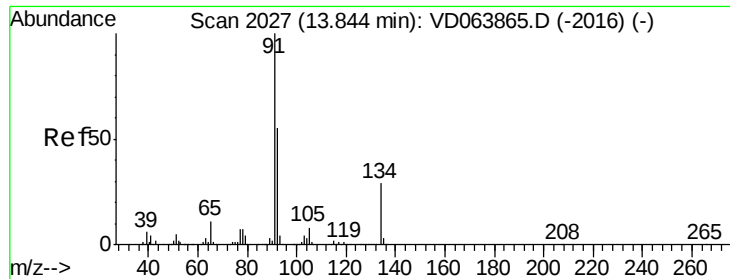
Tot Ion:146 Resp: 91369
 Ion Ratio Lower Upper
 146 100
 111 35.1 18.3 54.9
 148 62.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 22.371 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Tgt Ion:146 Resp: 90356
 Ion Ratio Lower Upper
 146 100
 111 35.4 18.6 56.0
 148 63.7 32.6 98.0

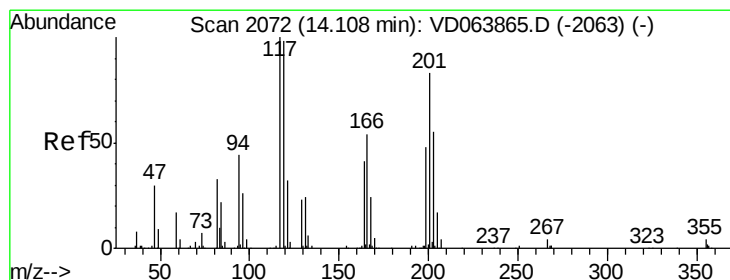
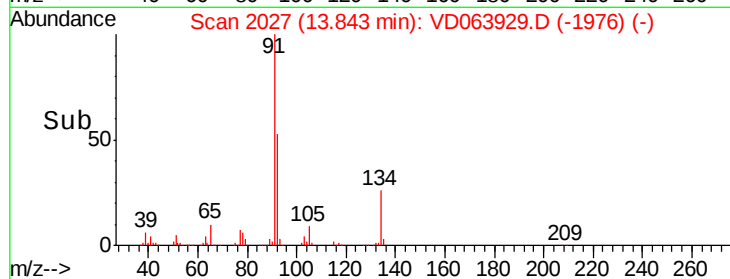
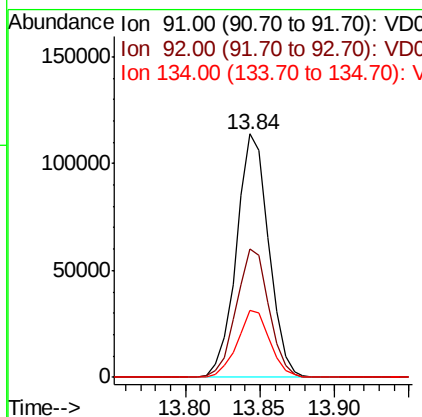
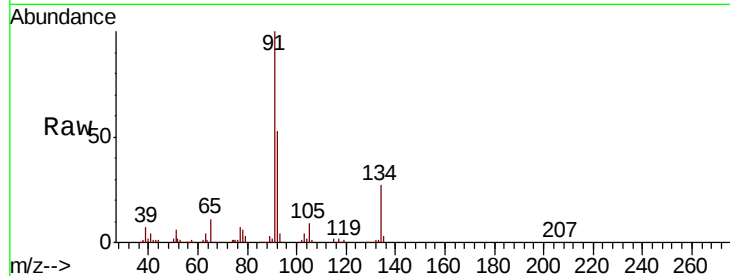




#89
n-Butylbenzene
Concen: 23.283 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

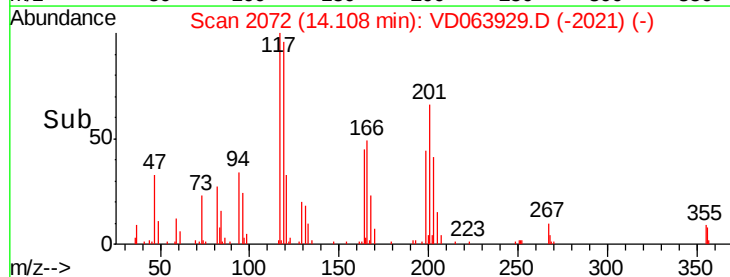
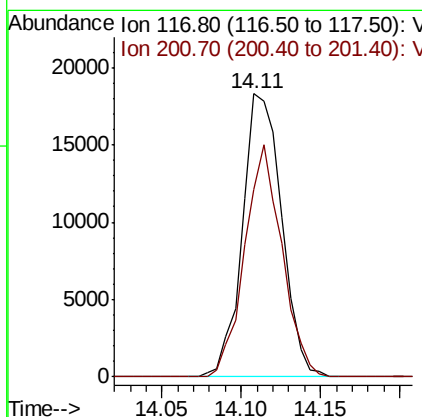
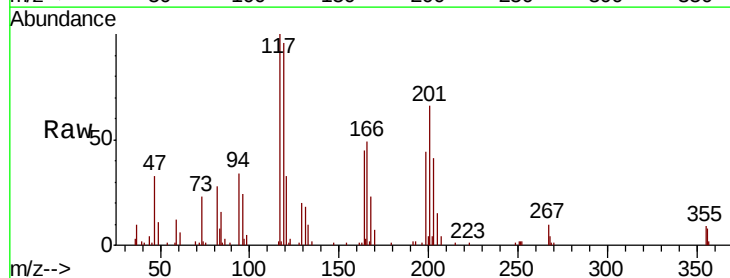
Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

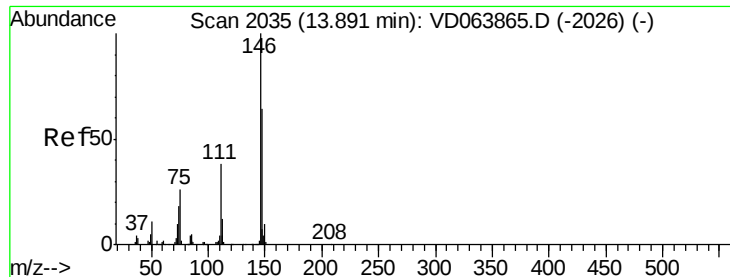
Tot Ion: 91 Resp: 171014
Ion Ratio Lower Upper
91 100
92 53.6 26.8 80.3
134 27.7 14.4 43.0



#90
Hexachloroethane
Concen: 22.250 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion: 117 Resp: 31577
Ion Ratio Lower Upper
117 100
201 77.5 40.6 121.7





#91

1,2-Dichlorobenzene

Concen: 22.565 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

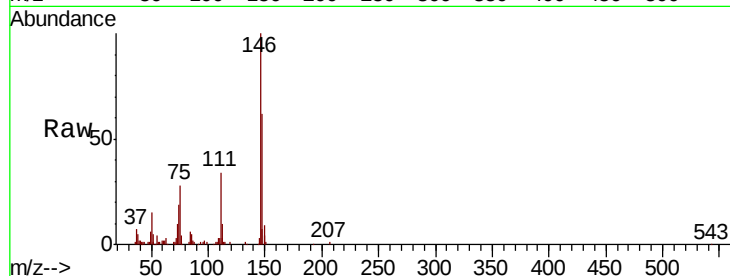
Tot Ion:146 Resp: 79613

Ion Ratio Lower Upper

146 100

111 37.1 18.6 55.6

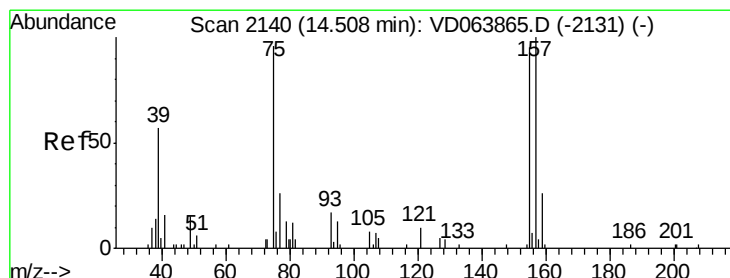
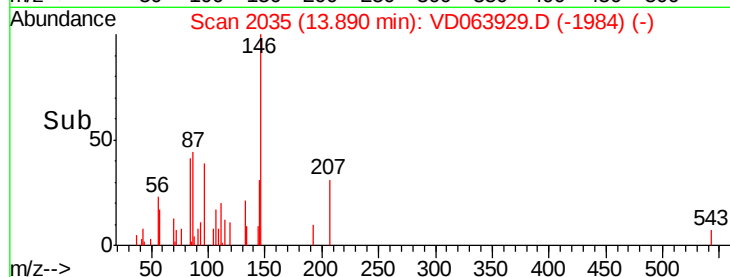
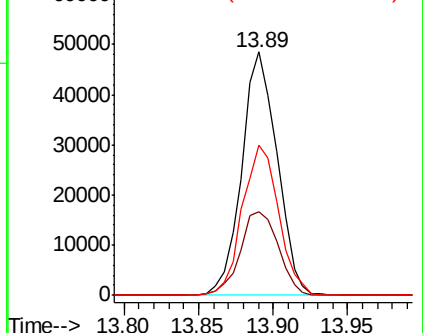
148 63.0 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.027 ug/l

RT: 14.50 min Scan# 2139

Delta R.T. -0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

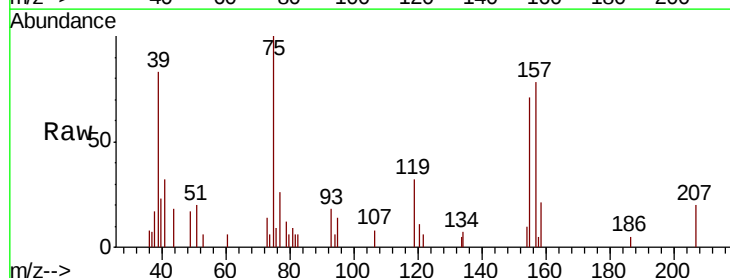
Tgt Ion: 75 Resp: 5262

Ion Ratio Lower Upper

75 100

155 96.4 43.9 131.6

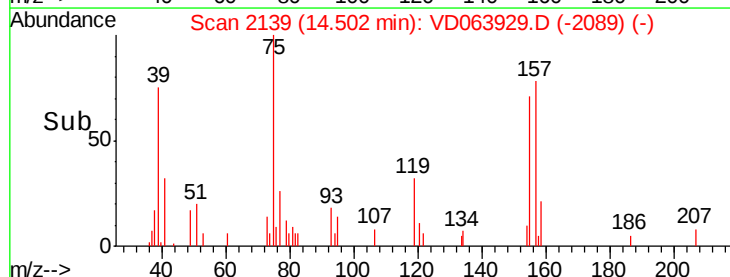
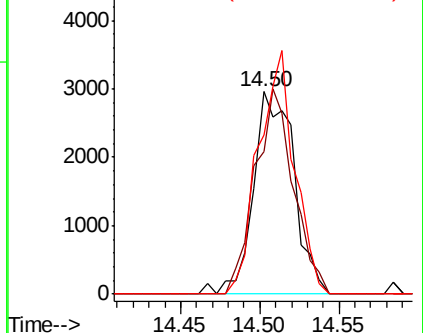
157 107.5 56.0 167.9

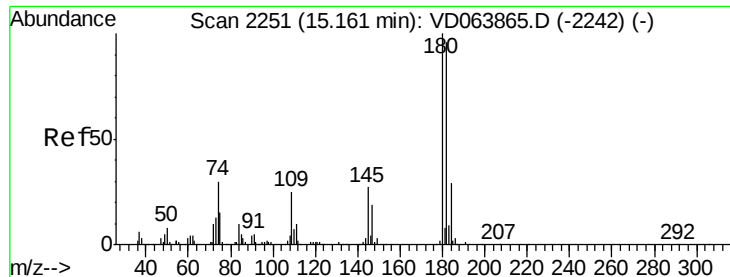


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

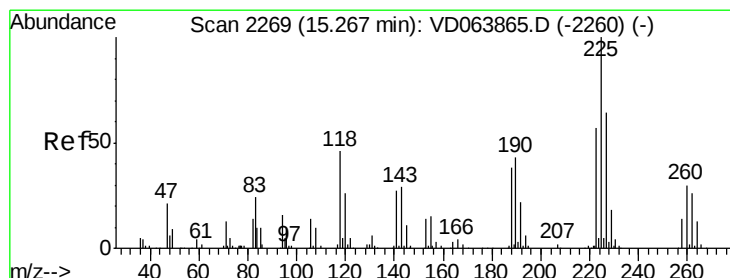
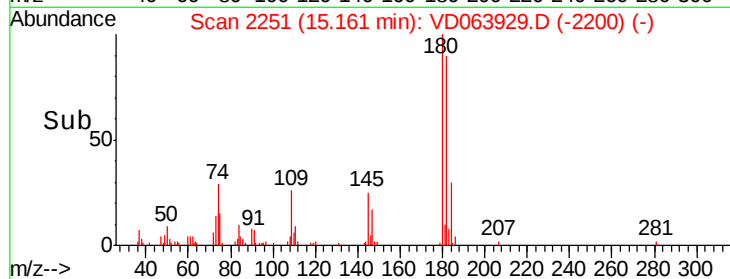
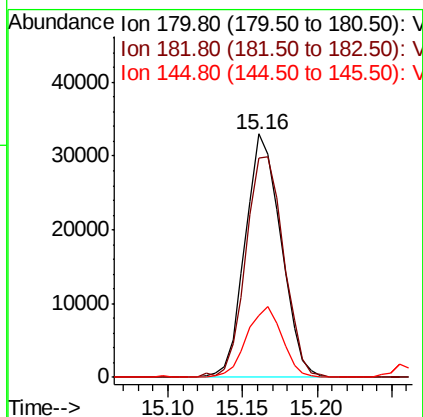
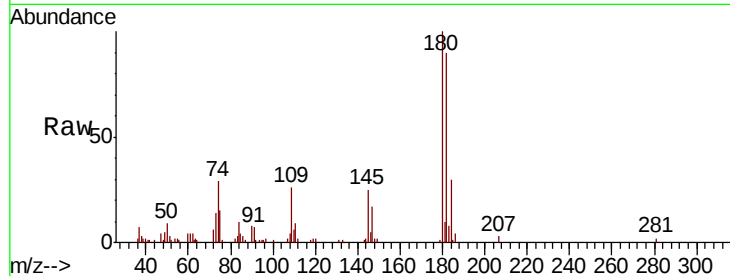




#93
 1,2,4-Trichlorobenzene
 Concen: 20.167 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

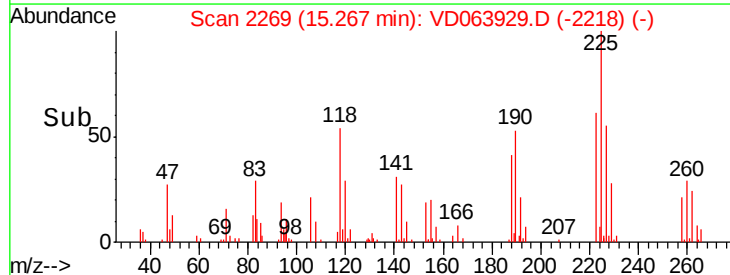
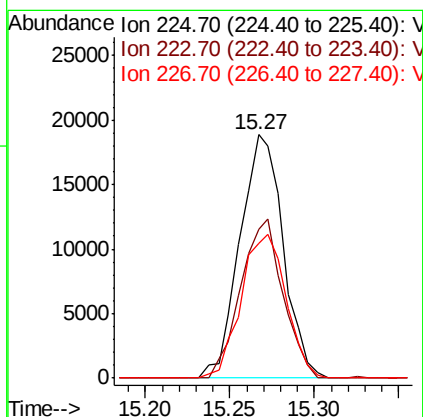
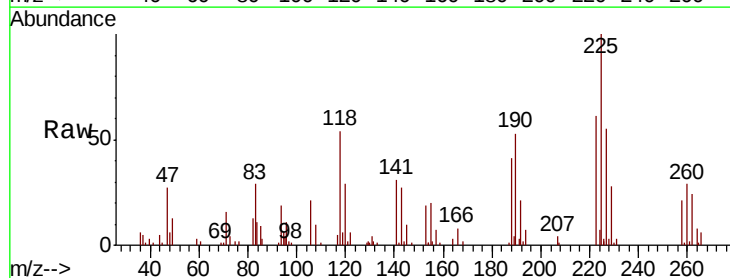
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

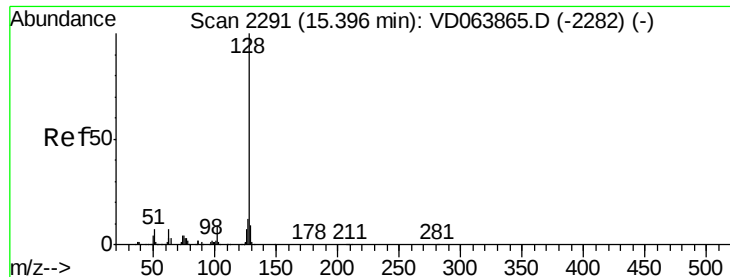
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	28.5	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 22.342 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	29.5	88.6
227	61.4	30.8	92.4





#95

Naphthalene

Concen: 20.592 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

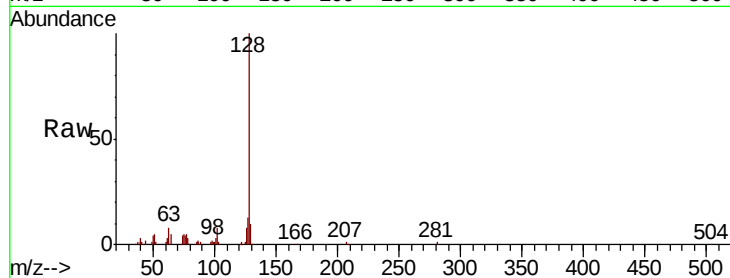
Tot Ion:128 Resp: 94223

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

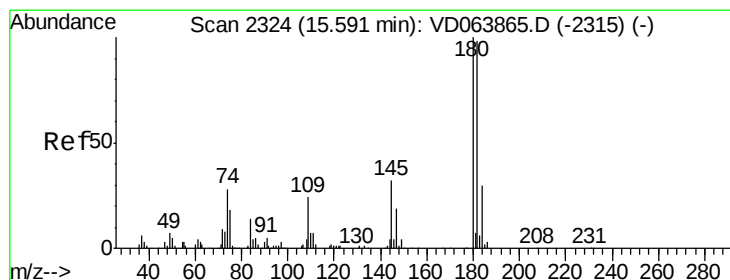
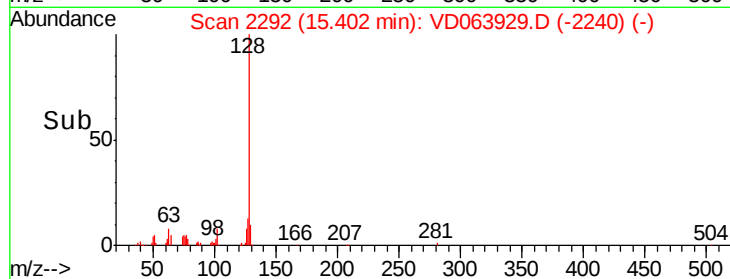
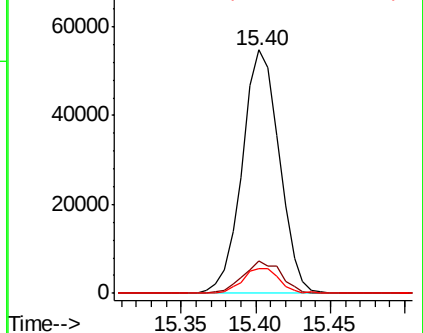
129 10.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.673 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

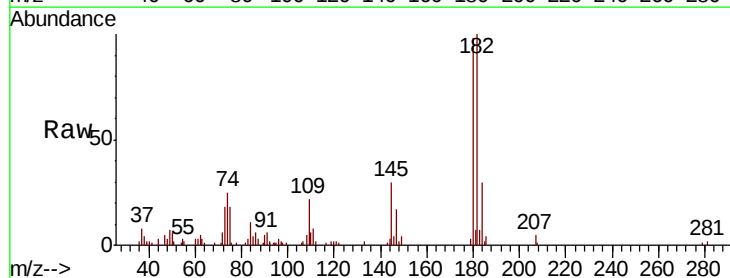
Tgt Ion:180 Resp: 48558

Ion Ratio Lower Upper

180 100

182 97.4 47.0 141.0

145 34.0 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

