

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064059.D
 Acq On : 24 Oct 2019 21:32
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 04:01:02 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	116002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	194201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	219968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	128819	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	68399	60.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.12%	
35) Dibromofluoromethane	7.92	113	65960	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	
50) Toluene-d8	10.34	98	276620	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
62) 4-Bromofluorobenzene	12.64	95	98612	58.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	34383	41.795	ug/l	94
3) Chloromethane	2.21	50	131864	60.237	ug/l	97
4) Vinyl Chloride	2.35	62	139960	52.639	ug/l	99
5) Bromomethane	2.77	94	93774	54.859	ug/l	89
6) Chloroethane	2.92	64	102311	58.185	ug/l	99
7) Trichlorofluoromethane	3.27	101	206526	58.749	ug/l	95
8) Diethyl Ether	3.71	74	33253	58.933	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	41055	42.190	ug/l	94
10) Methyl Iodide	4.30	142	53968	40.249	ug/l	99
11) Tert butyl alcohol	5.24	59	21873	279.735	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	39518	40.648	ug/l	97
13) Acrolein	3.93	56	27156	269.223	ug/l	93
14) Allyl chloride	4.71	41	85279	52.761	ug/l	92
15) Acrylonitrile	5.43	53	82942	333.412	ug/l	96
16) Acetone	4.17	43	69562	236.577	ug/l #	83
17) Carbon Disulfide	4.41	76	133123	37.669	ug/l #	92
18) Methyl Acetate	4.73	43	38911	67.659	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	141109	56.052	ug/l	94
20) Methylene Chloride	4.97	84	89462	69.760	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	60513	50.000	ug/l	90
22) Diisopropyl ether	6.36	45	207558	62.876	ug/l	95
23) Vinyl Acetate	6.31	43	624675	318.101	ug/l	98
24) 1,1-Dichloroethane	6.27	63	116229	57.162	ug/l	96
25) 2-Butanone	7.22	43	107347	308.058	ug/l	97
26) 2,2-Dichloropropane	7.21	77	85786	46.640	ug/l	92
27) cis-1,2-Dichloroethene	7.21	96	76424	55.790	ug/l	99
28) Bromochloromethane	7.55	49	56341	72.029	ug/l	91
29) Tetrahydrofuran	7.57	42	66278	325.863	ug/l	97
30) Chloroform	7.71	83	131443	59.519	ug/l	96
31) Cyclohexane	7.98	56	89602	53.586	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	103055	54.399	ug/l	97
36) 1,1-Dichloropropene	8.11	75	87530	49.295	ug/l	97
37) Ethyl Acetate	7.30	43	44597	63.732	ug/l	96
38) Carbon Tetrachloride	8.10	117	88128	49.114	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	104139	47.700	ug/l	99
40) Benzene	8.36	78	283261	55.668	ug/l	94
41) Methacrylonitrile	7.57	41	66269	160.975	ug/l #	24
42) 1,2-Dichloroethane	8.43	62	85294	57.948	ug/l	99
43) Isopropyl Acetate	8.46	43	84328	56.630	ug/l	97
44) Trichloroethene	9.11	130	80088	54.582	ug/l	99
45) 1,2-Dichloropropane	9.39	63	73095	58.689	ug/l	93
46) Dibromomethane	9.48	93	45036	63.493	ug/l	98
47) Bromodichloromethane	9.67	83	108396	59.356	ug/l	93
48) Methyl methacrylate	9.46	41	39466	55.315	ug/l	96
49) 1,4-Dioxane	9.47	88	11184	1155.129	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	240493	311.405	ug/l	96
52) Toluene	10.41	92	205740	58.899	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	105960	59.460	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	120473	58.729	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	65208	65.110	ug/l	91
56) Ethyl methacrylate	10.67	69	77594	61.181	ug/l	96
57) 1,3-Dichloropropane	10.95	76	107913	62.976	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	163796	300.459	ug/l	94
59) 2-Hexanone	10.99	43	170049	304.395	ug/l	97
60) Dibromochloromethane	11.14	129	86218	66.125	ug/l	97
61) 1,2-Dibromoethane	11.25	107	64047	65.965	ug/l	99
64) Tetrachloroethene	10.88	164	75901	50.544	ug/l	94
65) Chlorobenzene	11.67	112	239284	54.166	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	89882	55.218	ug/l	99
67) Ethyl Benzene	11.75	91	413618	51.925	ug/l	98
68) m/p-Xylenes	11.86	106	330069	107.354	ug/l	97
69) o-Xylene	12.18	106	157421	53.471	ug/l	95
70) Styrene	12.20	104	280795	56.341	ug/l	99
71) Bromoform	12.37	173	53913	61.715	ug/l #	98
73) Isopropylbenzene	12.48	105	407704	47.080	ug/l	99
74) N-amyl acetate	12.29	43	87928	47.159	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	78021	51.775	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	98268	113.895	ug/l #	100
77) Bromobenzene	12.76	156	110598	51.261	ug/l	98
78) n-propylbenzene	12.83	91	490508	48.255	ug/l	98
79) 2-Chlorotoluene	12.91	91	273484	48.794	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	348366	48.219	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	22217	45.567	ug/l	96
82) 4-Chlorotoluene	13.01	91	290536	48.865	ug/l	97
83) tert-Butylbenzene	13.23	119	320637	49.867	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	371651	49.898	ug/l	100
85) sec-Butylbenzene	13.40	105	423744	48.800	ug/l	99
86) p-Isopropyltoluene	13.52	119	422832	51.460	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	222186	52.119	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	221674	52.708	ug/l	98
89) n-Butylbenzene	13.85	91	379301	49.593	ug/l	96
90) Hexachloroethane	14.11	117	78690	53.247	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	203933	55.510	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14165	61.042	ug/l	96

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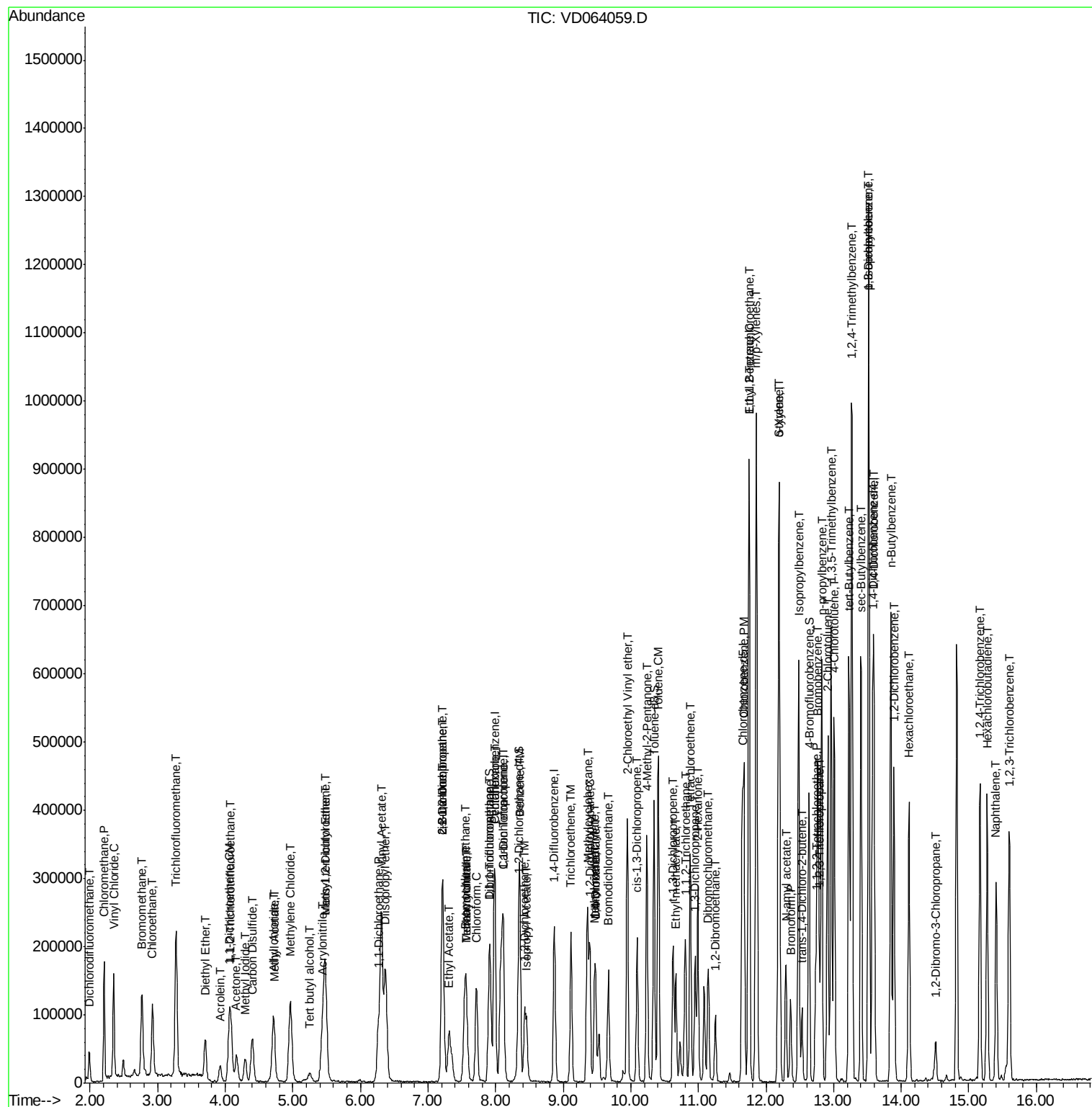
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	141474	49.907	ug/l	97
94) Hexachlorobutadiene	15.27	225	76706	49.035	ug/l	97
95) Naphthalene	15.41	128	265603	55.746	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	132771	54.285	ug/l	99

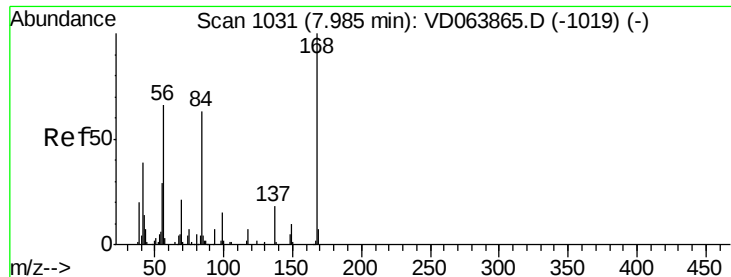
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Instrument :

MSVOA_D

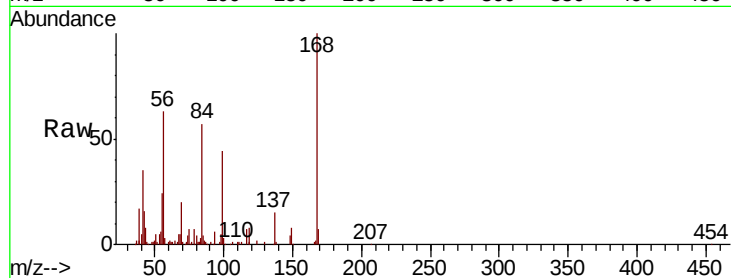
ClientSampleId :

Tot Ion:168 Resp: 116002

Ion Ratio Lower Upper

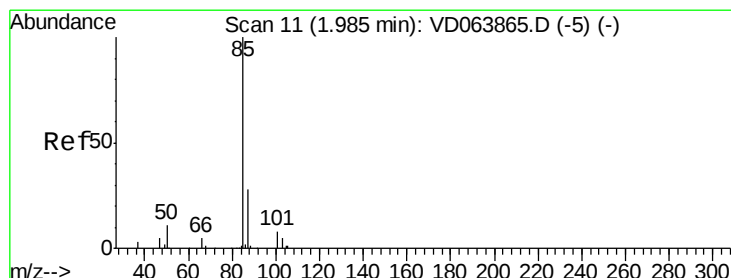
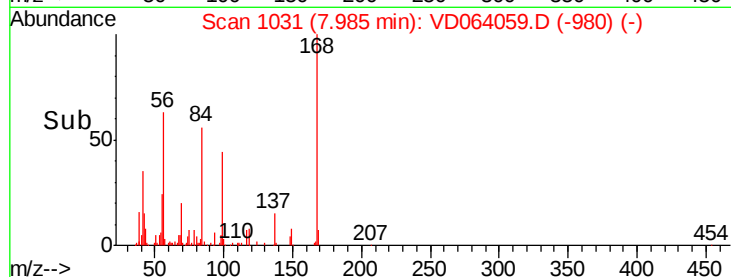
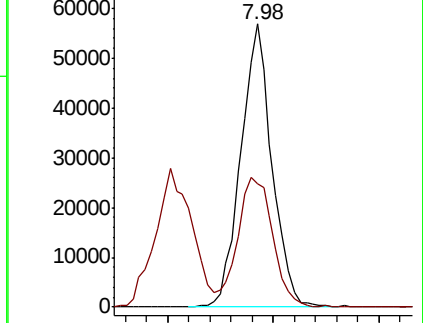
168 100

99 43.7 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 41.795 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD064059.D

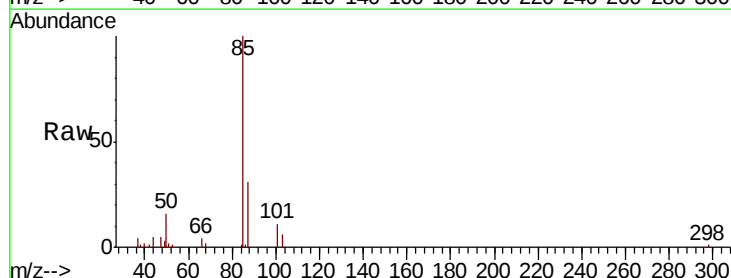
Acq: 24 Oct 2019 21:32

Tgt Ion: 85 Resp: 34383

Ion Ratio Lower Upper

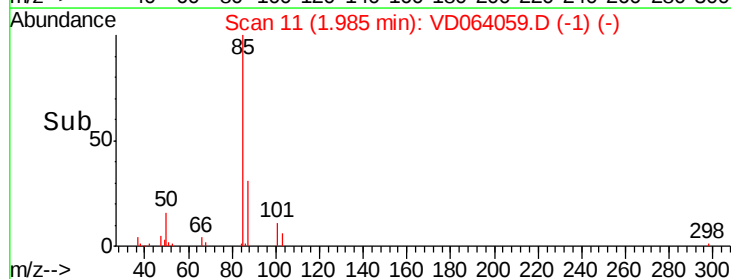
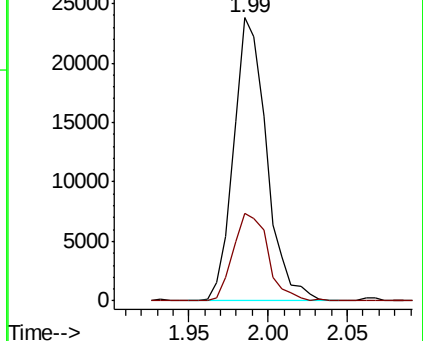
85 100

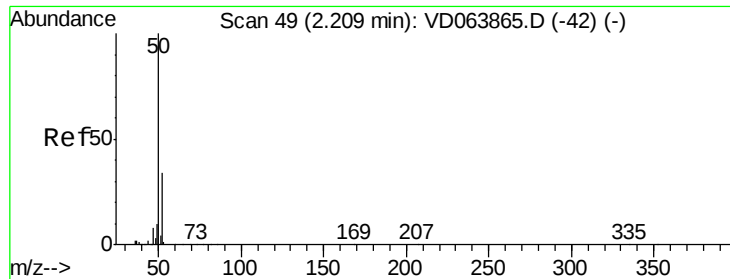
87 31.0 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 60.237 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Instrument :

MSVOA_D

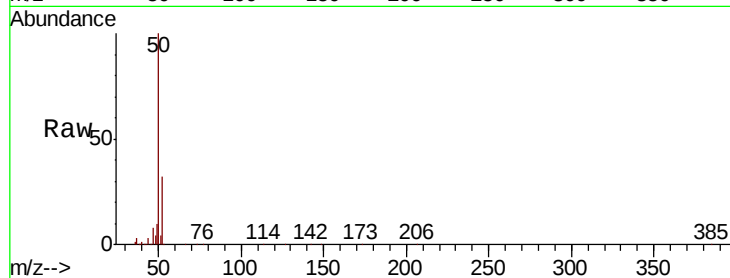
ClientSampleId :

Tot Ion: 50 Resp: 131864

Ion Ratio Lower Upper

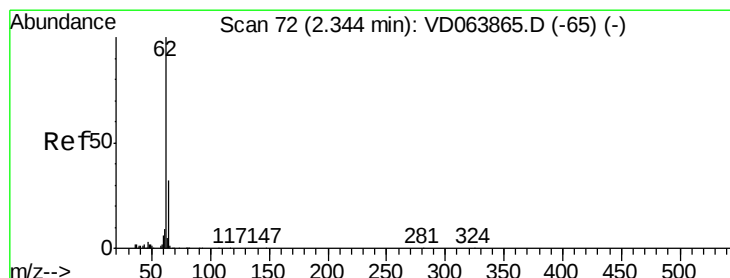
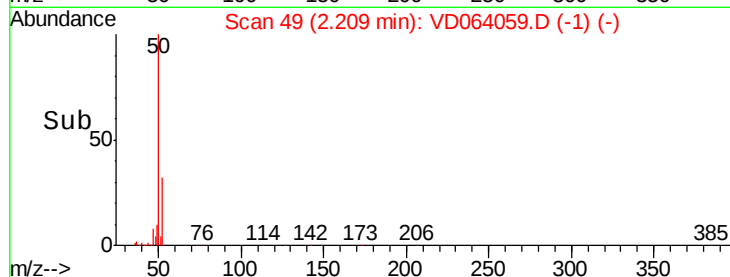
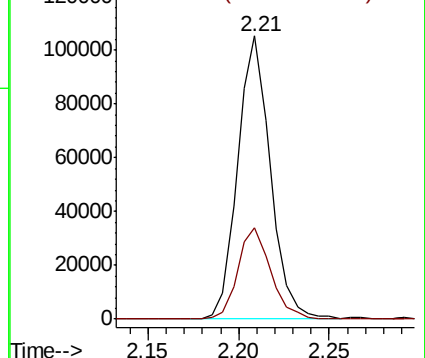
50 100

52 32.5 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.639 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD064059.D

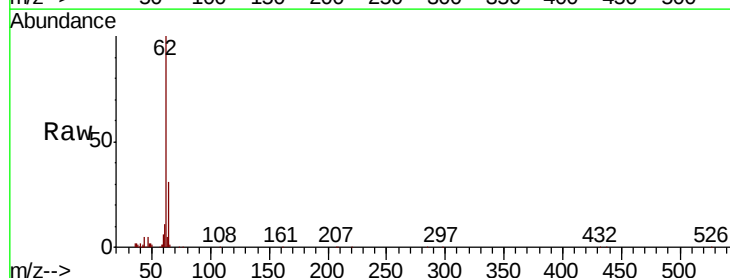
Acq: 24 Oct 2019 21:32

Tgt Ion: 62 Resp: 139960

Ion Ratio Lower Upper

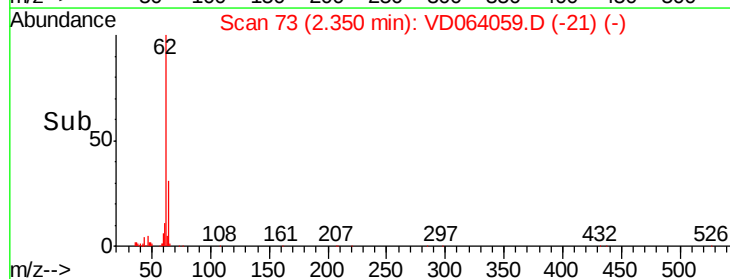
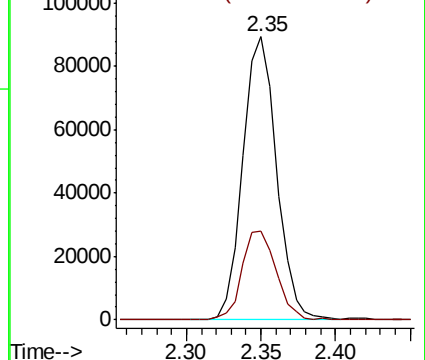
62 100

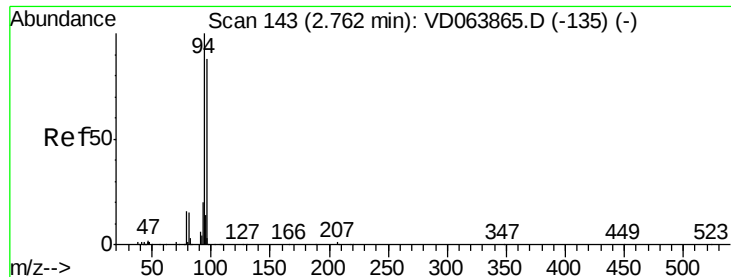
64 31.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 54.859 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Instrument :

MSVOA_D

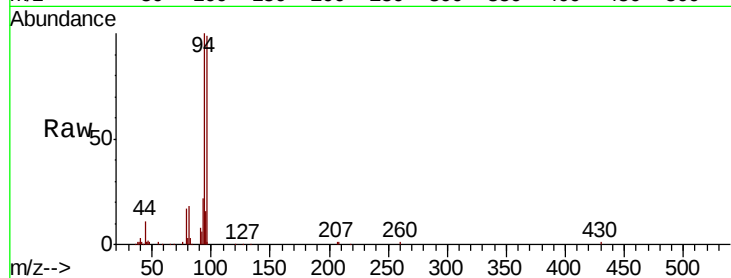
ClientSampleId :

Tot Ion: 94 Resp: 93774

Ion Ratio Lower Upper

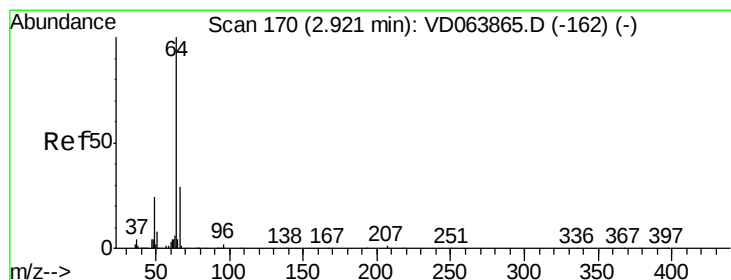
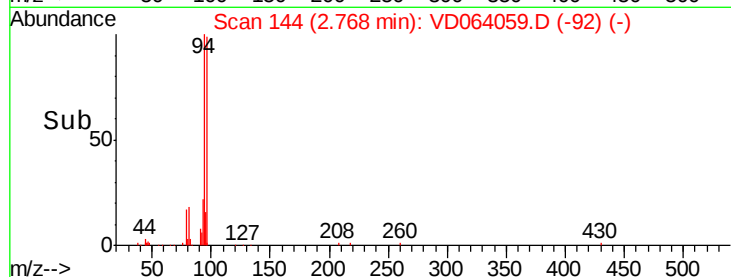
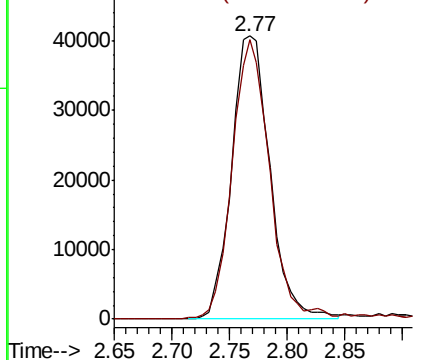
94 100

96 98.4 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: 58.185 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064059.D

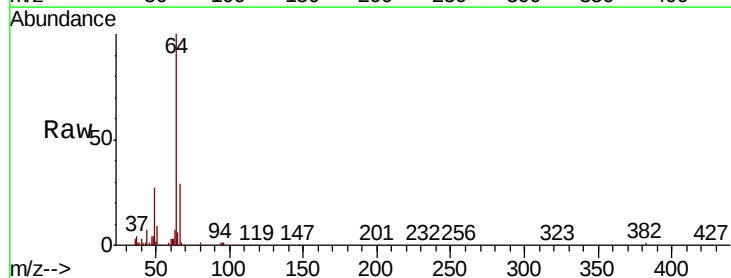
Acq: 24 Oct 2019 21:32

Tgt Ion: 64 Resp: 102311

Ion Ratio Lower Upper

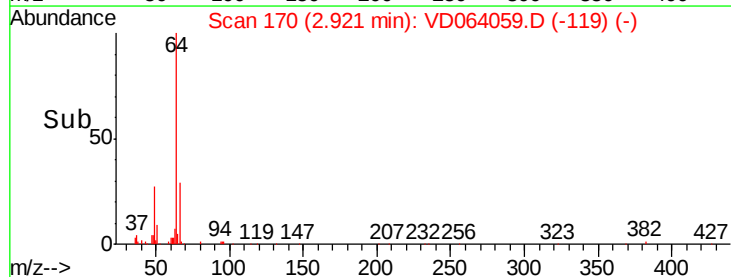
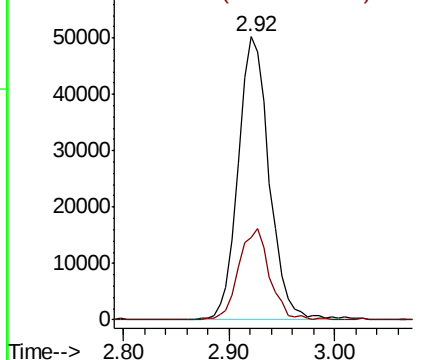
64 100

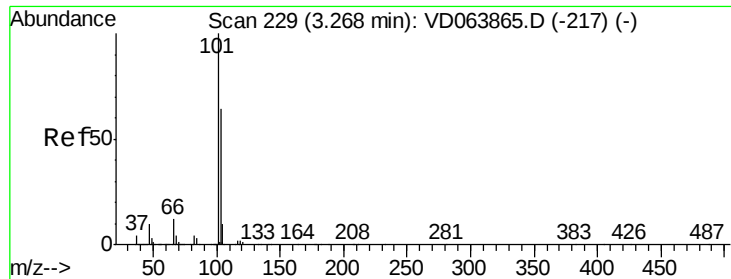
66 29.1 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



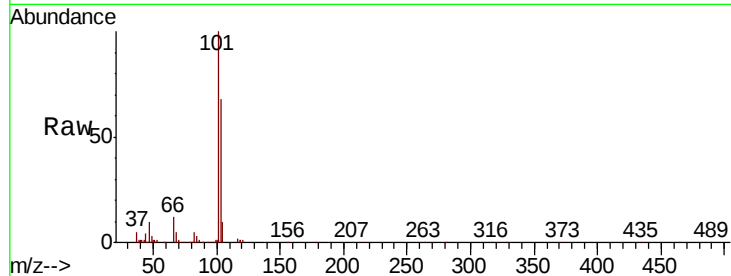


#7

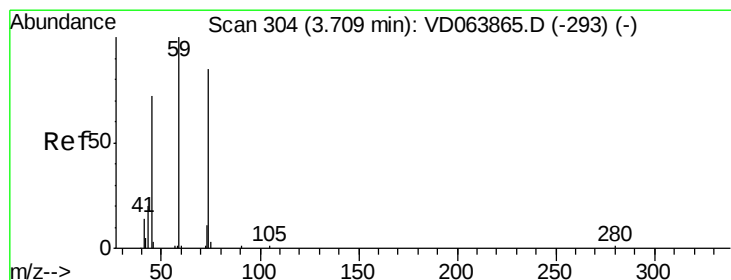
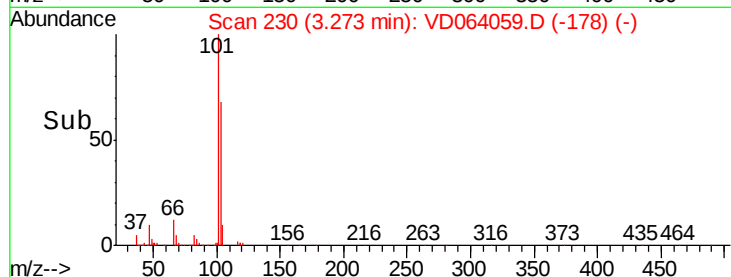
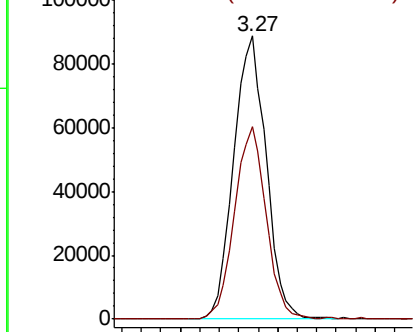
Trichlorofluoromethane
 Concen: 58.749 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064059.D
 Acq: 24 Oct 2019 21:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 206526
 Ion Ratio Lower Upper
 101 100
 103 68.0 51.1 76.7



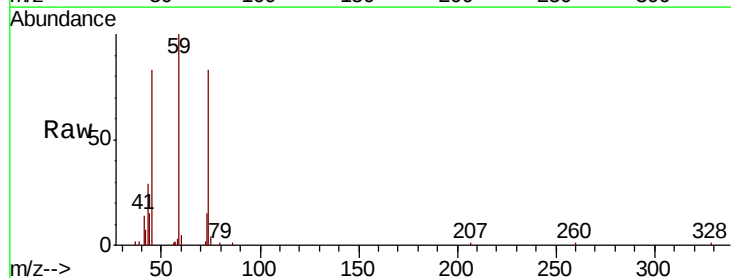
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



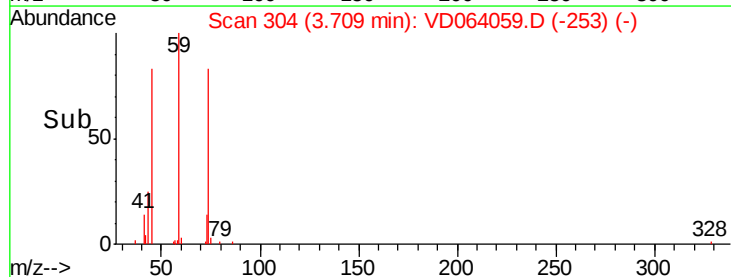
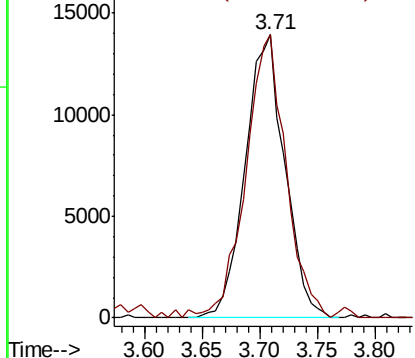
#8

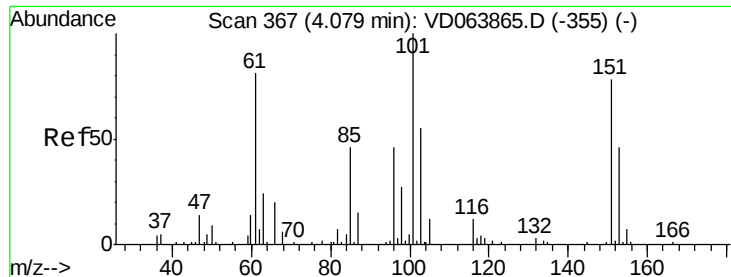
Diethyl Ether
 Concen: 58.933 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064059.D
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Tgt Ion: 74 Resp: 33253
 Ion Ratio Lower Upper
 74 100
 45 101.9 48.1 144.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.190 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

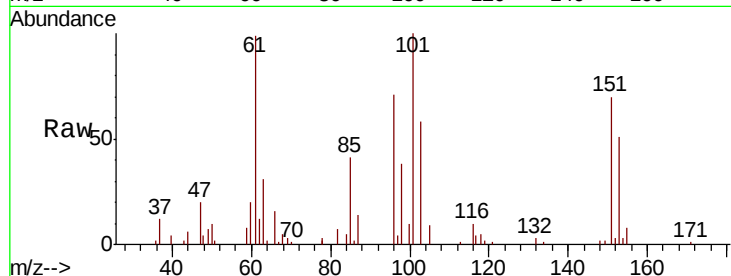
Tot Ion:101 Resp: 41055

Ion Ratio Lower Upper

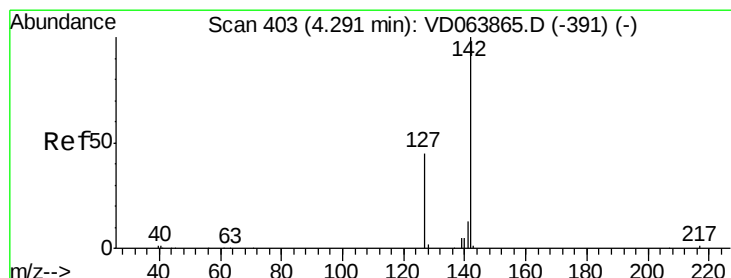
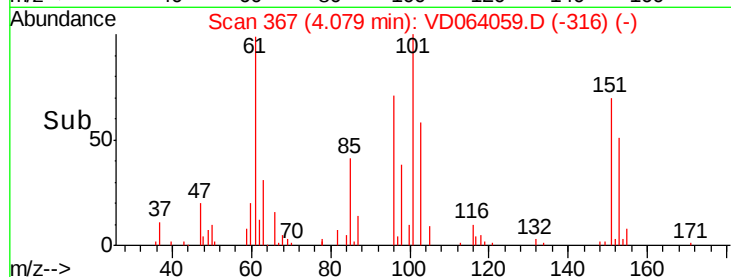
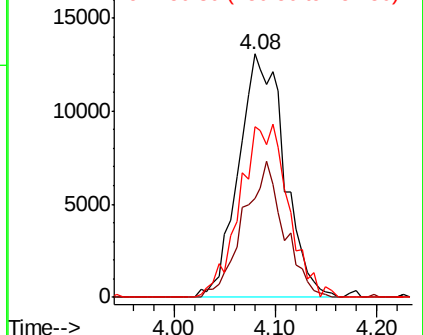
101 100

85 49.6 37.5 56.3

151 75.0 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: 40.249 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

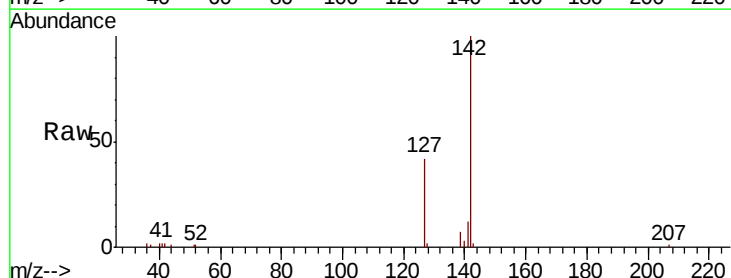
Tgt Ion:142 Resp: 53968

Ion Ratio Lower Upper

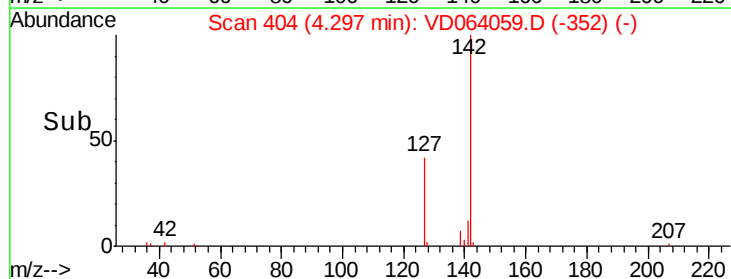
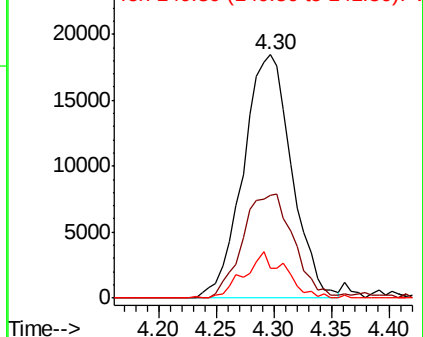
142 100

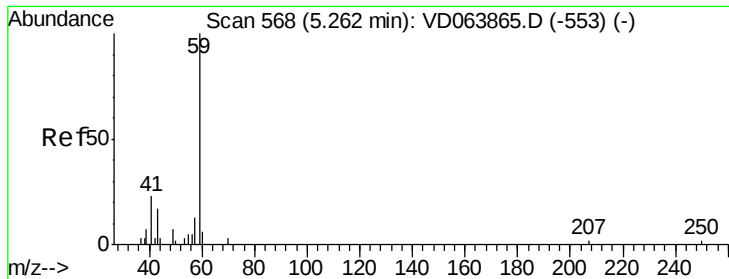
127 44.8 35.3 52.9

141 15.8 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



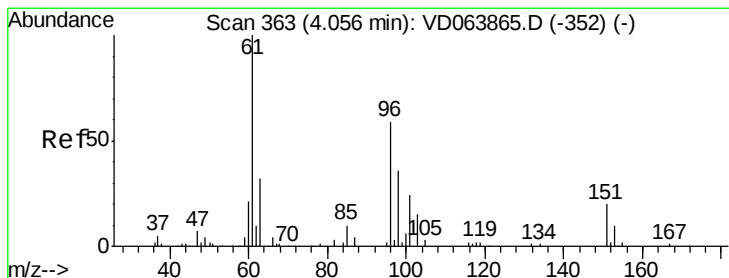
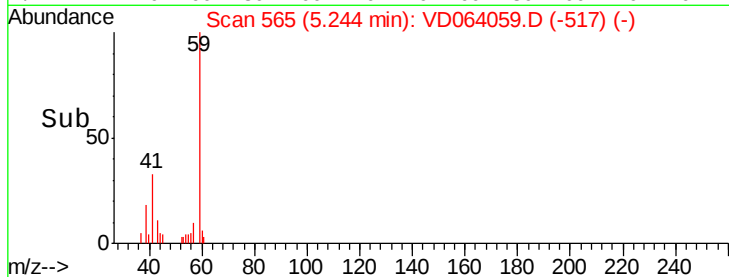
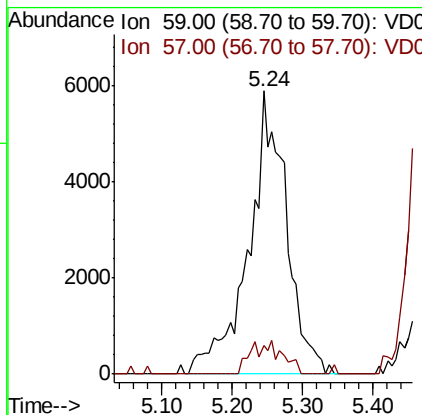
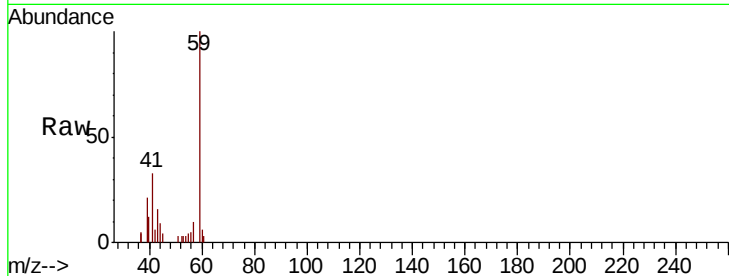


#11

Tert butyl alcohol
 Concen: 279.735 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD064059.D
 Acq: 24 Oct 2019 21:32

Instrument :
 MSVOA_D
 ClientSampleId :

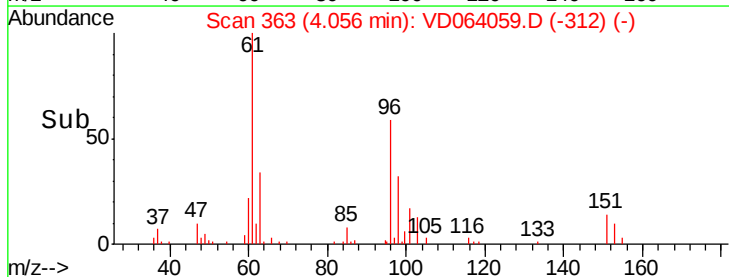
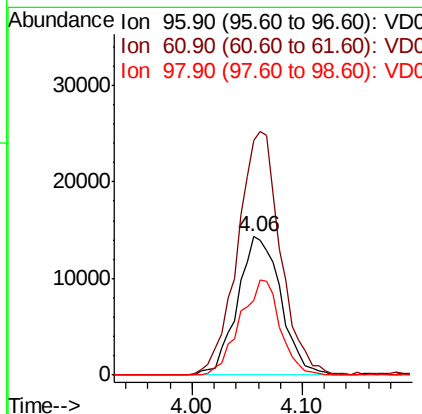
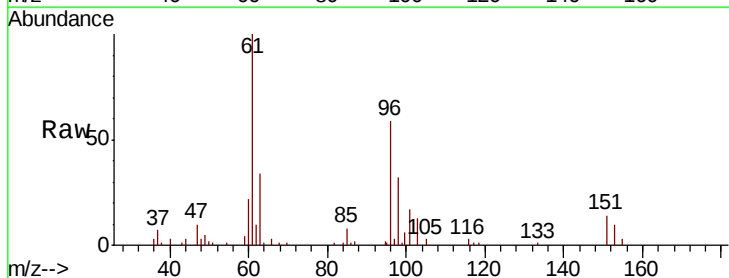
Tot Ion: 59 Resp: 21873
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

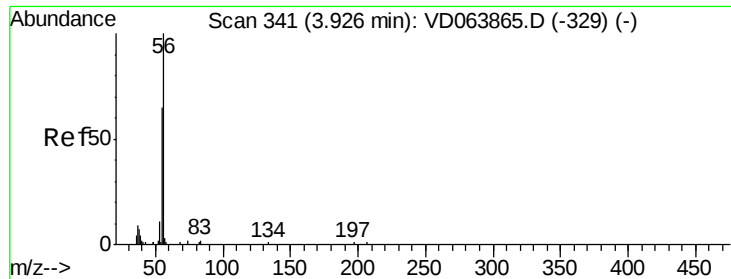


#12

1,1-Dichloroethene
 Concen: 40.648 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD064059.D
 Acq: 24 Oct 2019 21:32

Tgt Ion: 96 Resp: 39518
 Ion Ratio Lower Upper
 96 100
 61 170.1 135.6 203.4
 98 54.1 49.2 73.8

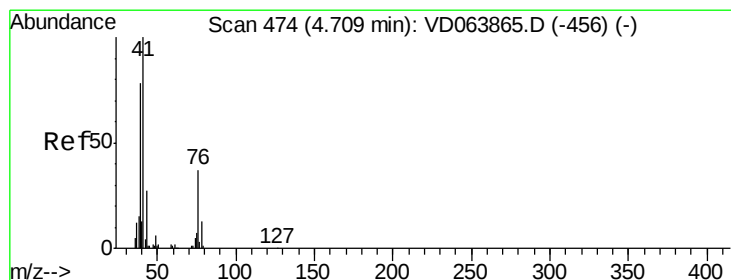
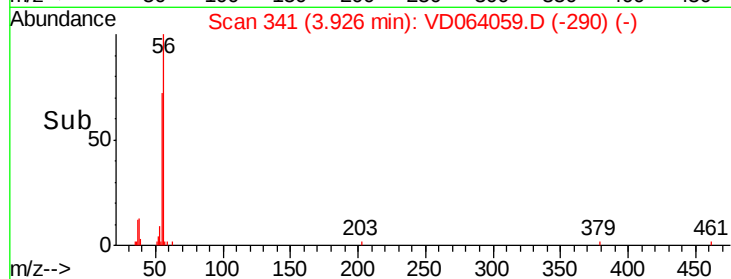
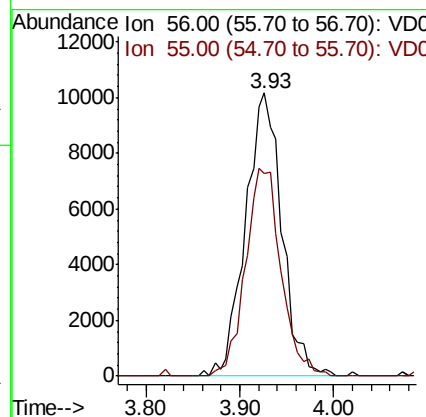
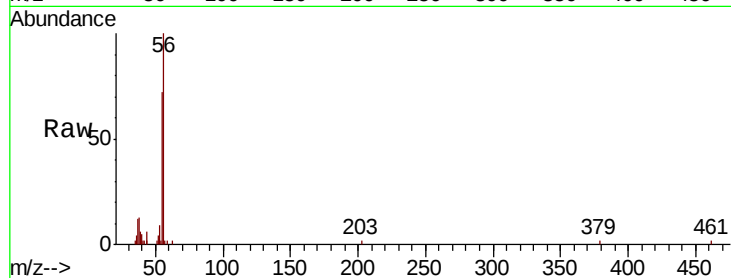




#13
Acrolein
Concen: 269.223 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

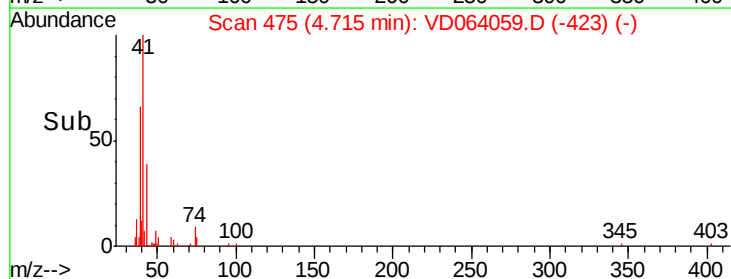
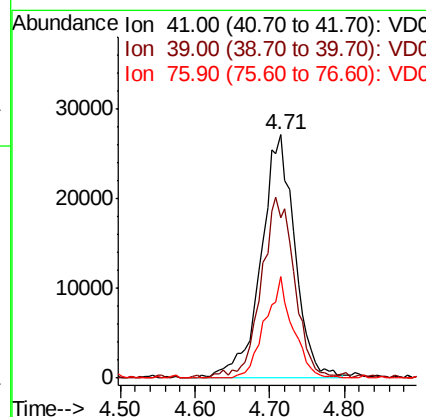
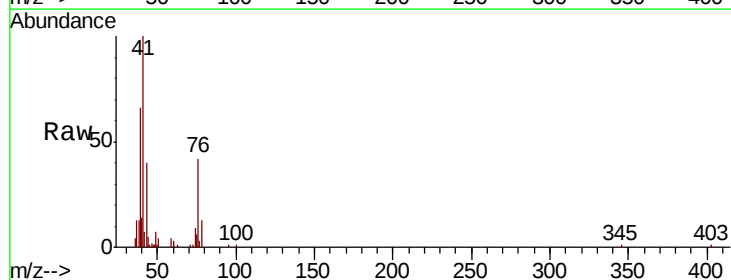
Instrument :
MSVOA_D
ClientSampleId :

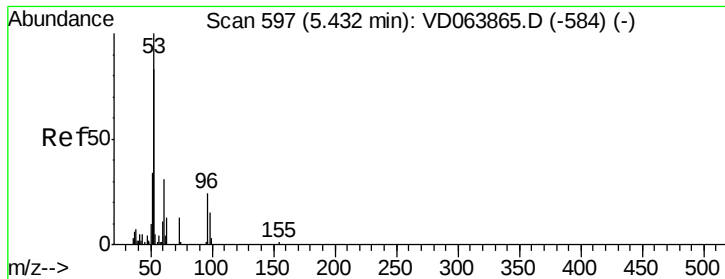
Tot Ion: 56 Resp: 27156
Ion Ratio Lower Upper
56 100
55 72.0 53.0 79.6



#14
Allyl chloride
Concen: 52.761 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion: 41 Resp: 85279
Ion Ratio Lower Upper
41 100
39 70.6 61.8 92.6
76 34.3 31.3 46.9





#15

Acrylonitrile

Concen: 333.412 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

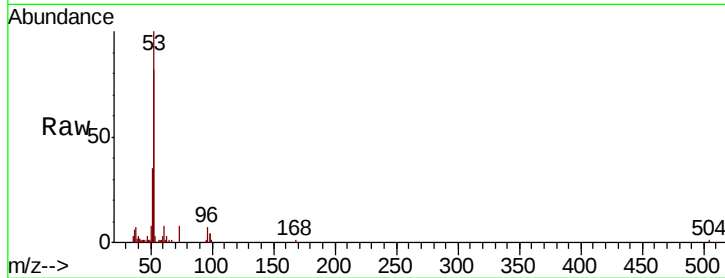
Tot Ion: 53 Resp: 82942

Ion Ratio Lower Upper

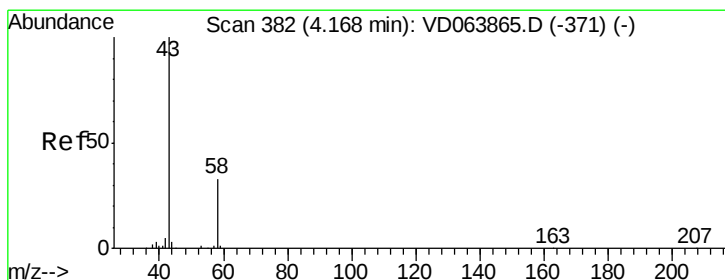
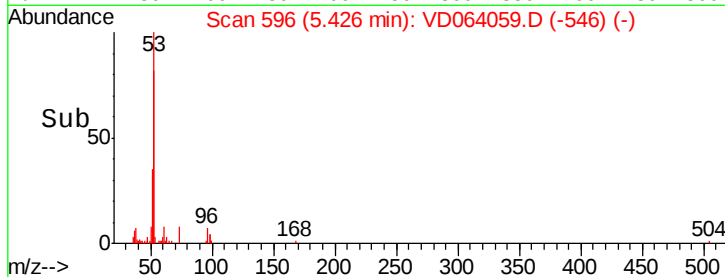
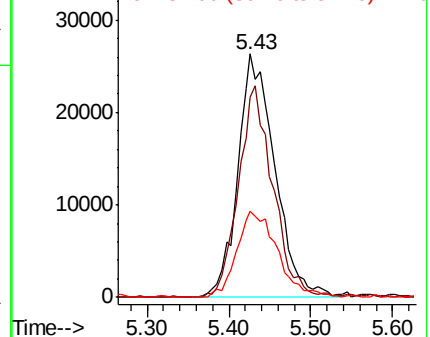
53 100

52 79.8 67.3 100.9

51 38.7 30.5 45.7



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 236.577 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064059.D

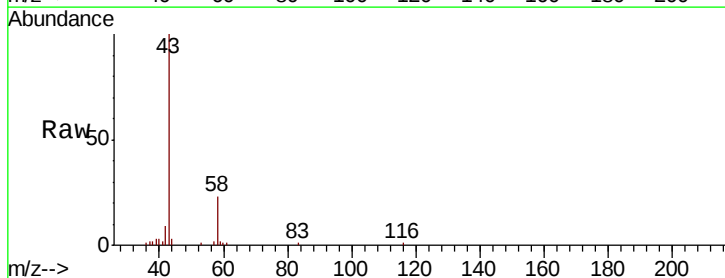
Acq: 24 Oct 2019 21:32

Tgt Ion: 43 Resp: 69562

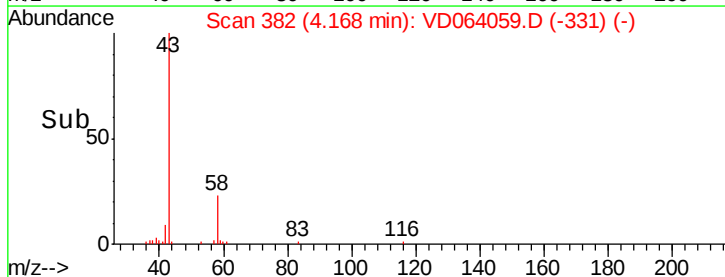
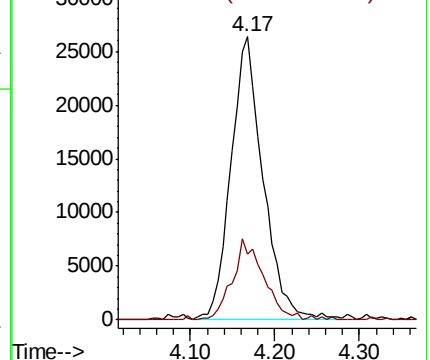
Ion Ratio Lower Upper

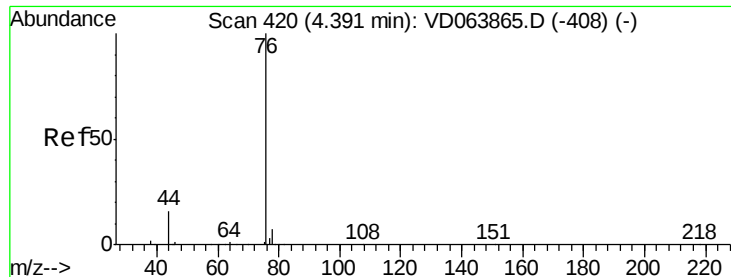
43 100

58 23.3 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: 37.669 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.02 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Instrument :

MSVOA_D

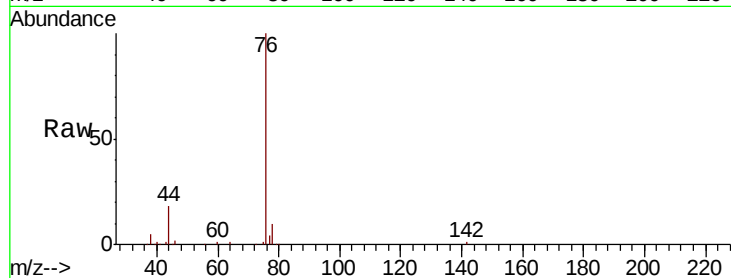
ClientSampleId :

Tot Ion: 76 Resp: 133123

Ion Ratio Lower Upper

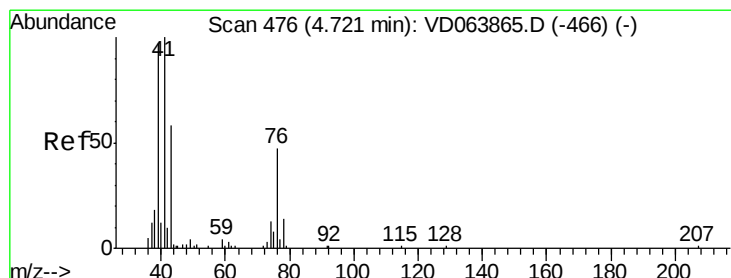
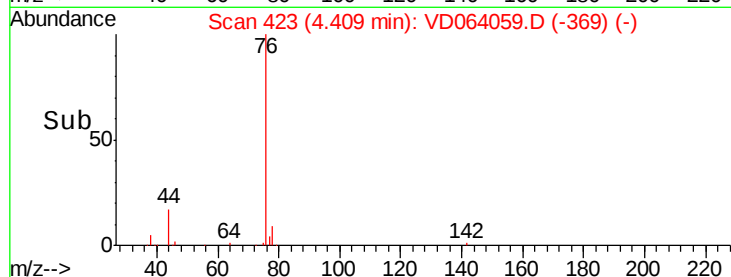
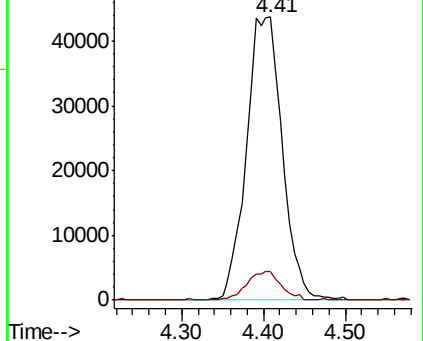
76 100

78 10.1 5.8 8.8#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 67.659 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD064059.D

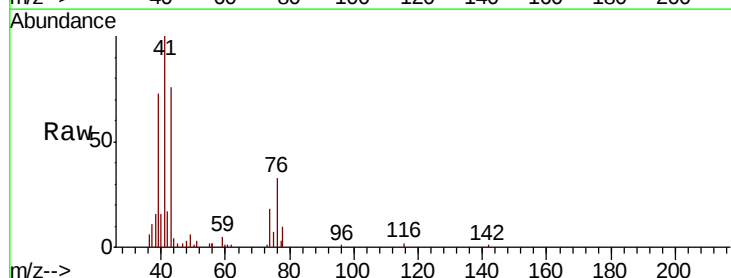
Acq: 24 Oct 2019 21:32

Tgt Ion: 43 Resp: 38911

Ion Ratio Lower Upper

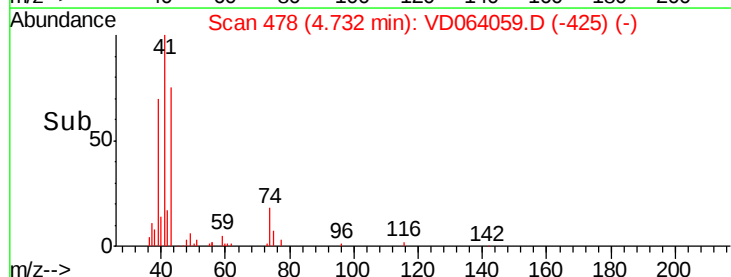
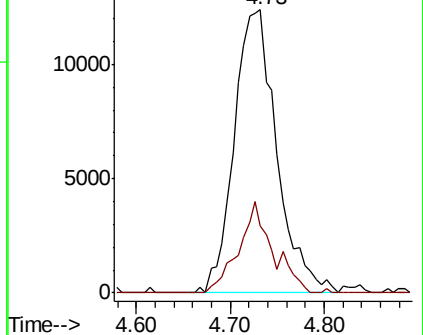
43 100

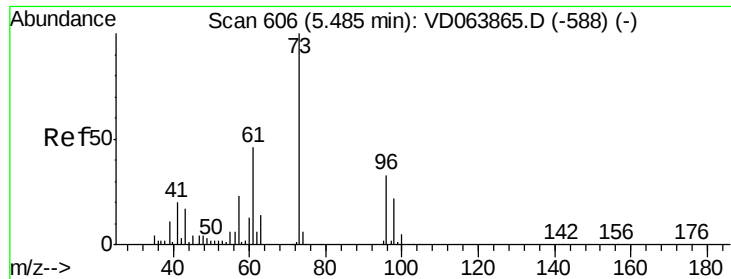
74 25.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

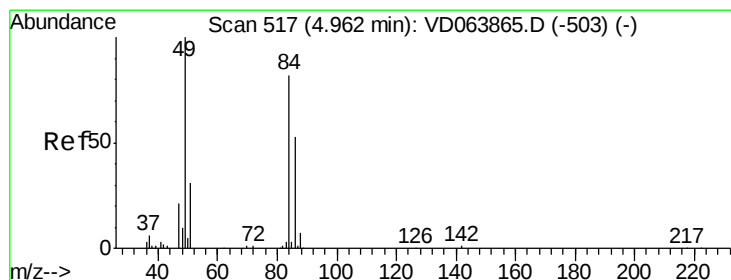
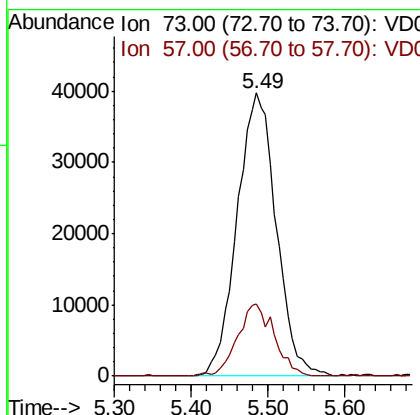
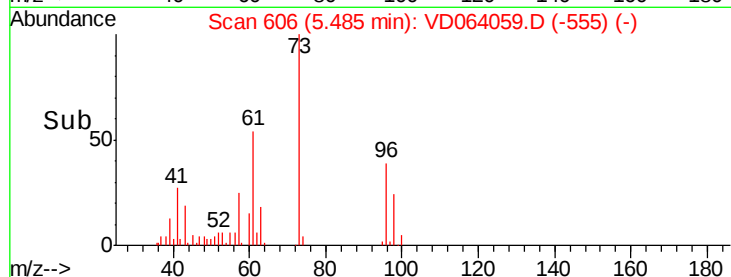
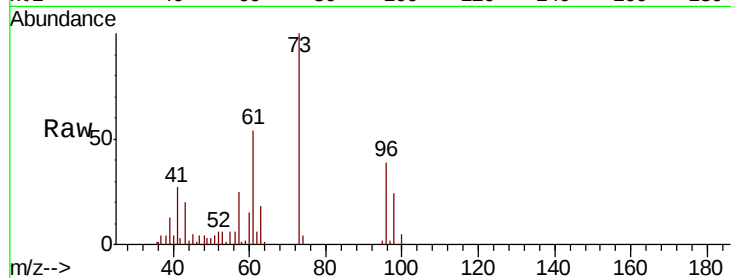




#19
Methvl tert-butvl Ether
Concen: 56.052 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

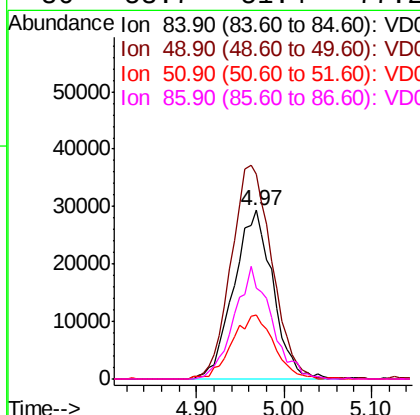
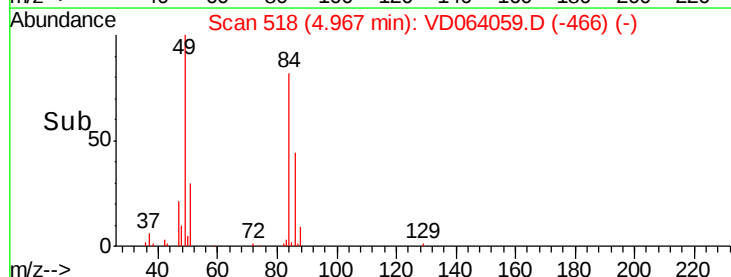
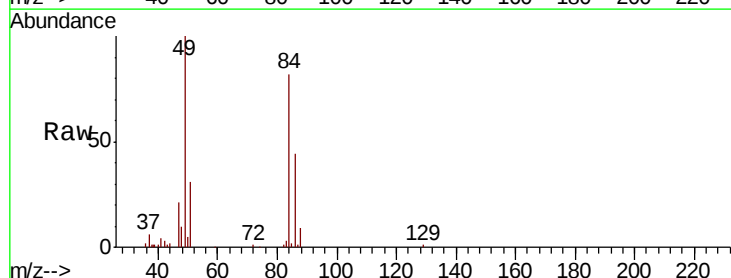
Instrument :
MSVOA_D
ClientSampleId :

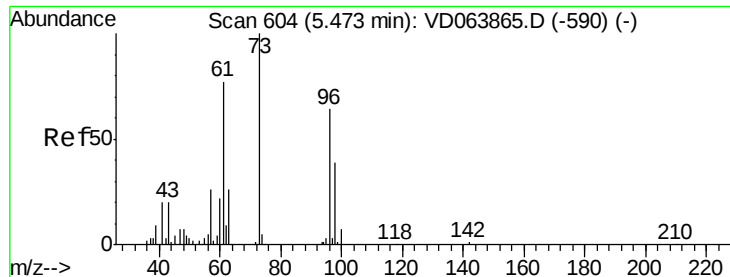
Tot Ion: 73 Resp: 141109
Ion Ratio Lower Upper
73 100
57 25.4 18.1 27.1



#20
Methylene Chloride
Concen: 69.760 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion: 84 Resp: 89462
Ion Ratio Lower Upper
84 100
49 121.8 97.3 145.9
51 37.9 30.1 45.1
86 53.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 50.000 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Instrument :
MSVOA_D
ClientSampleId :

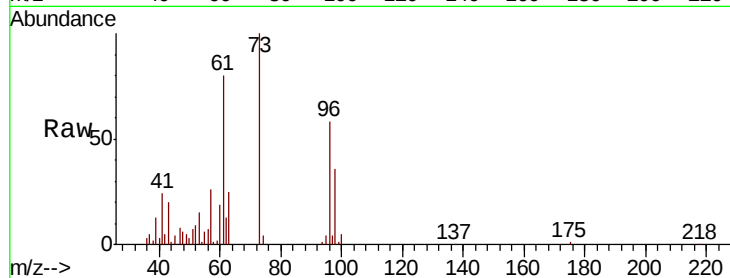
Tot Ion: 96 Resp: 60513

Ion Ratio Lower Upper

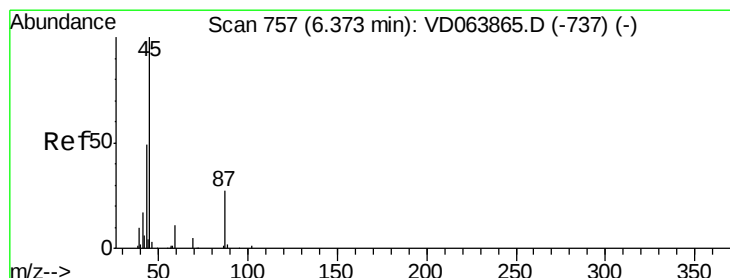
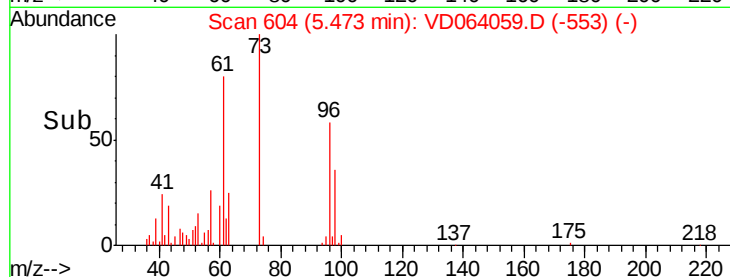
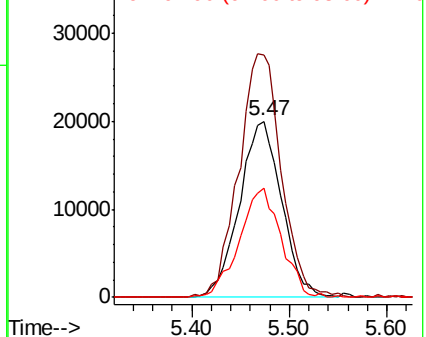
96 100

61 137.5 96.6 145.0

98 62.0 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: 62.876 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Tgt Ion: 45 Resp: 207558

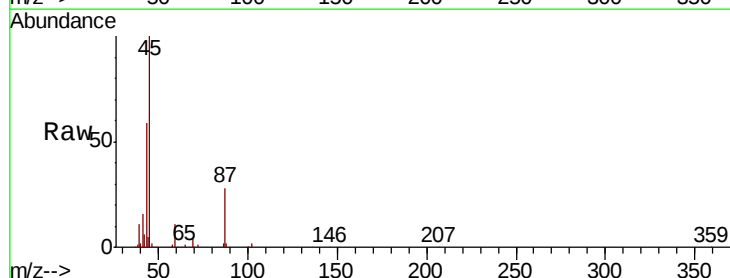
Ion Ratio Lower Upper

45 100

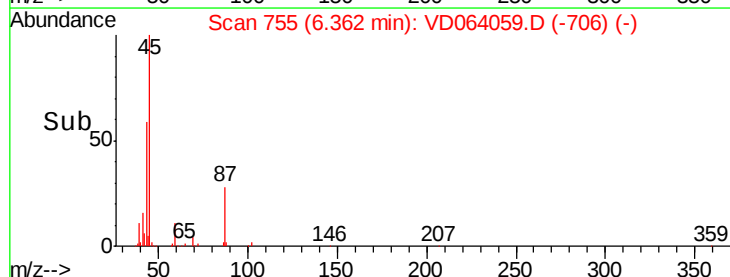
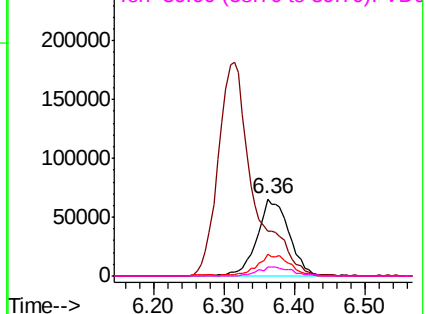
43 57.9 41.2 61.8

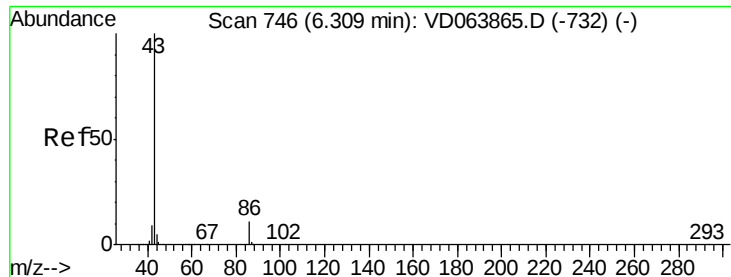
87 28.1 22.2 33.4

59 11.1 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: 318.101 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

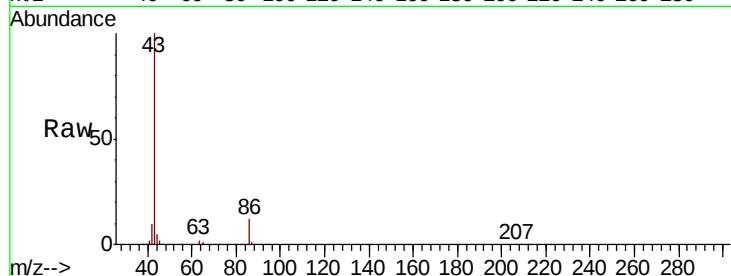
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 624675

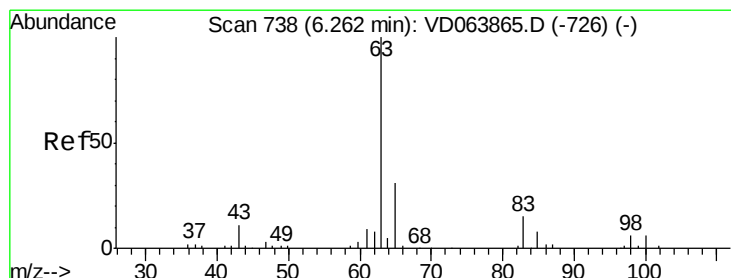
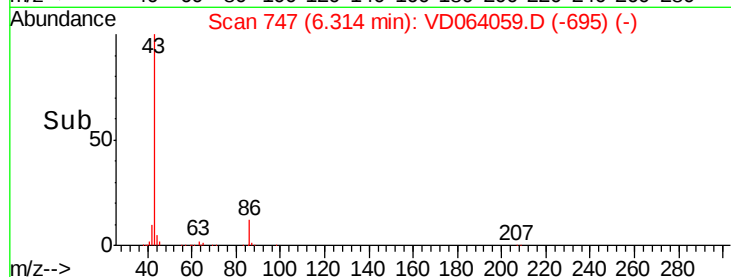
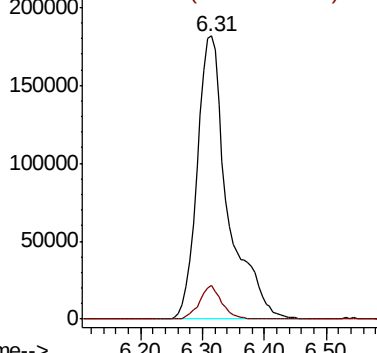
Ion Ratio Lower Upper

43 100

86 11.8 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: 57.162 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

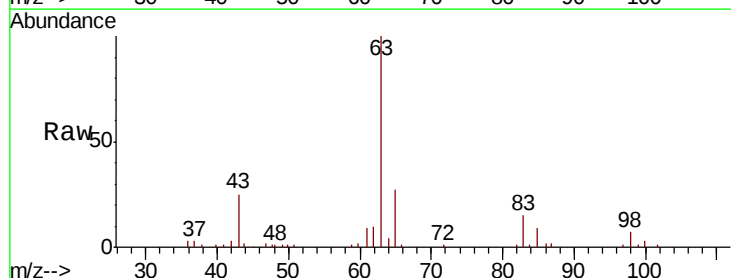
Tgt Ion: 63 Resp: 116229

Ion Ratio Lower Upper

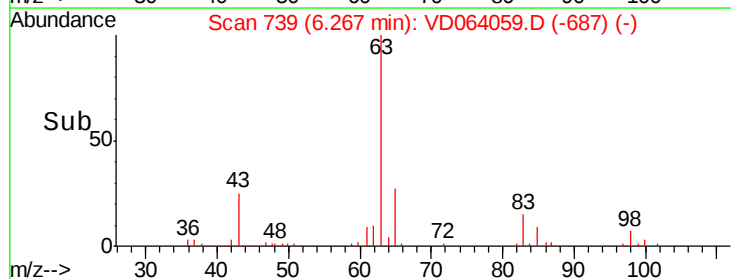
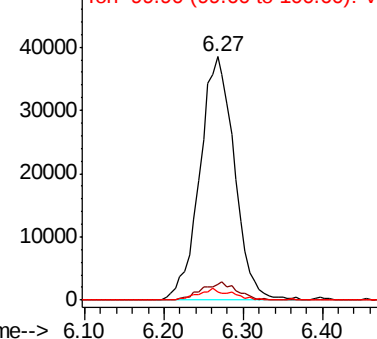
63 100

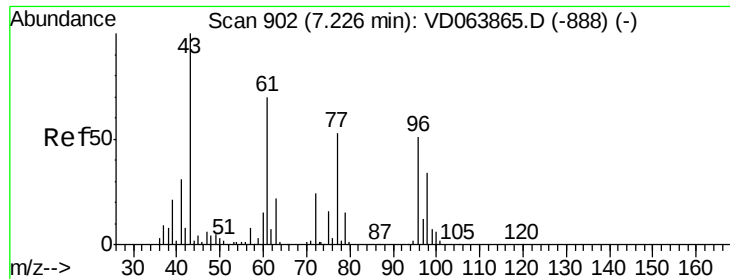
98 6.7 3.1 9.4

100 3.5 3.0 9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 97.90 (97.60 to 98.60): VDC
Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 308.058 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

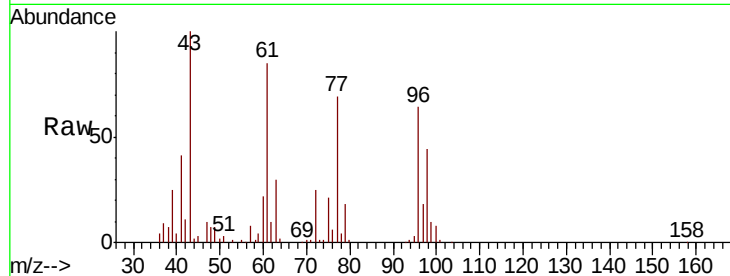
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 107347

Ion Ratio Lower Upper

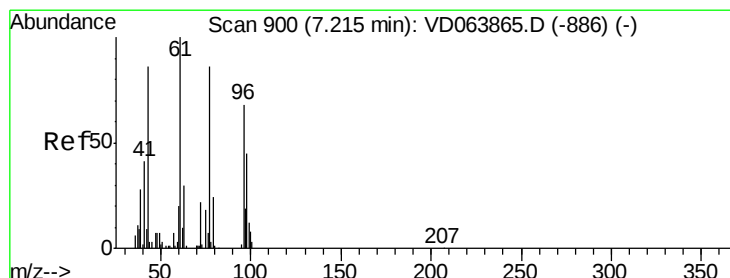
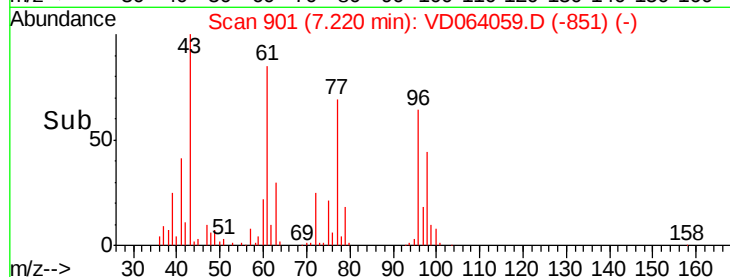
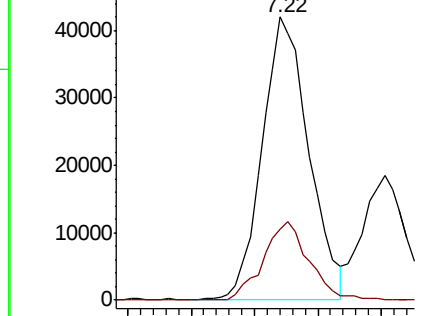
43 100

72 25.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.640 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064059.D

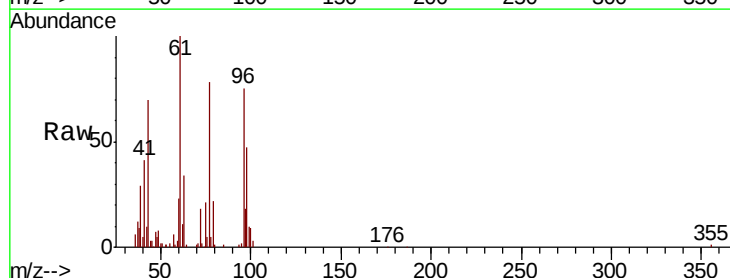
Acq: 24 Oct 2019 21:32

Tgt Ion: 77 Resp: 85786

Ion Ratio Lower Upper

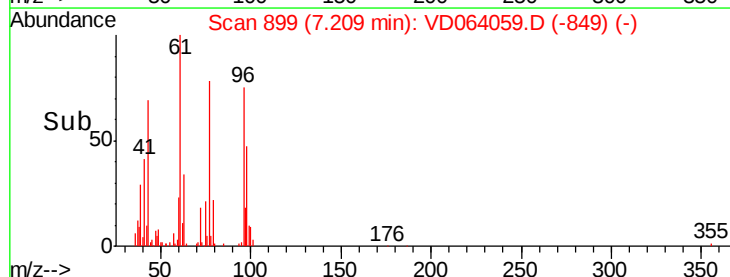
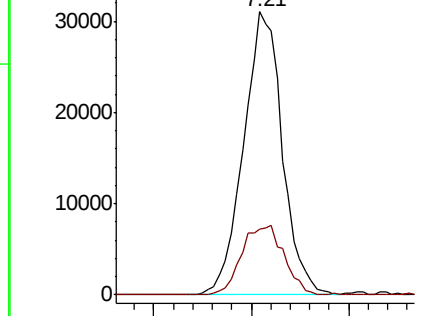
77 100

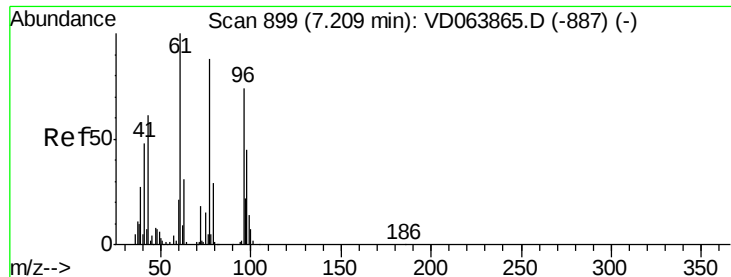
97 26.7 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



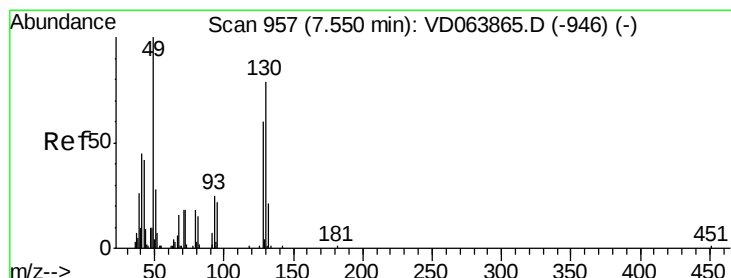
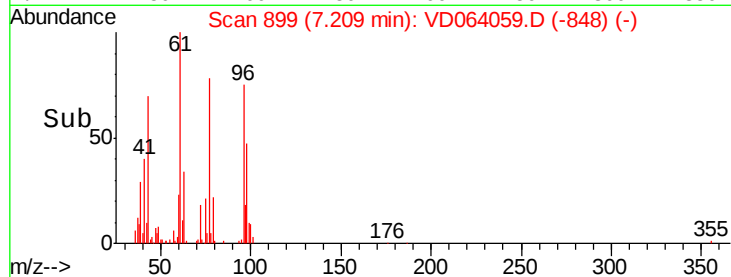
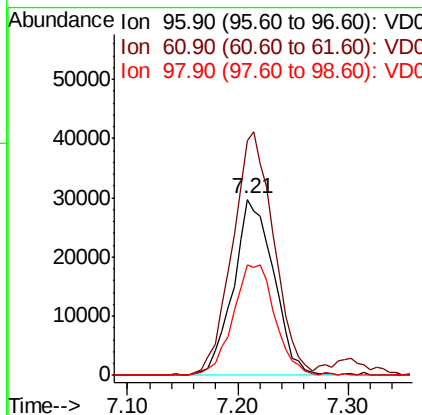
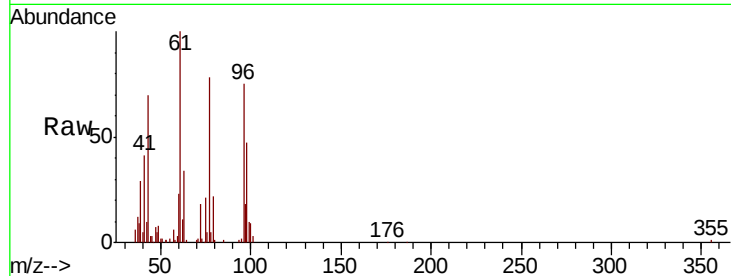


#27

cis-1,2-Dichloroethene
Concen: 55.790 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Instrument :
MSVOA_D
ClientSampleId :

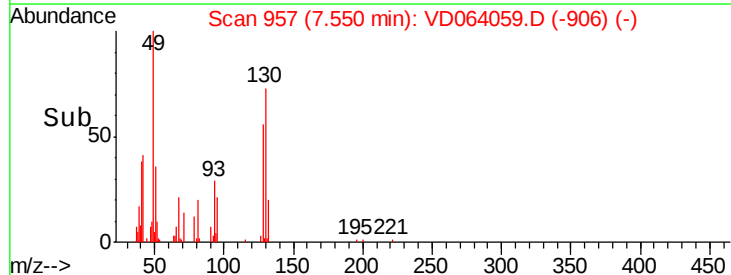
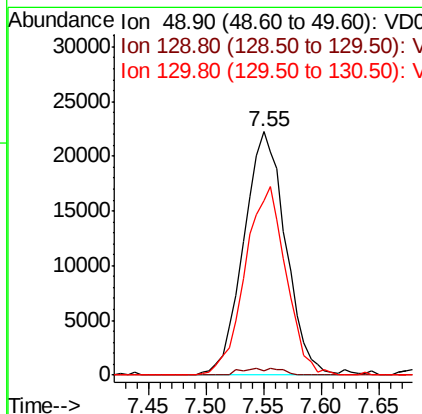
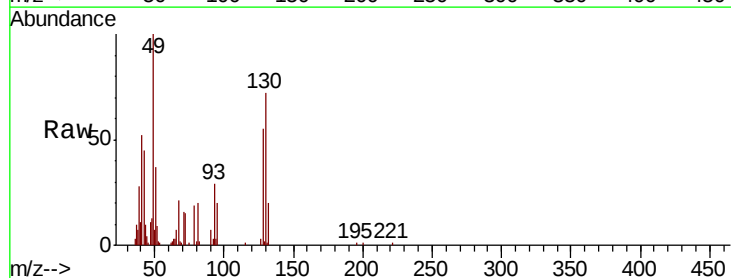
Tot Ion: 96 Resp: 76424
Ion Ratio Lower Upper
96 100
61 141.4 0.0 280.0
98 65.1 0.0 130.4

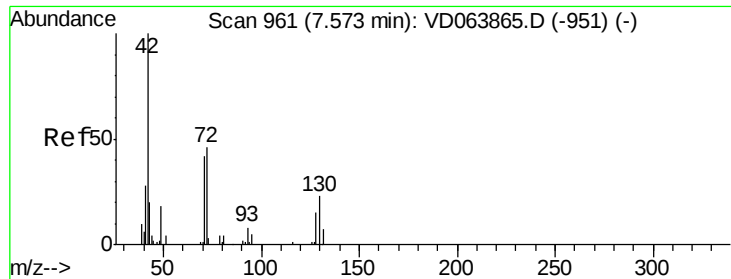


#28

Bromochloromethane
Concen: 72.029 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion: 49 Resp: 56341
Ion Ratio Lower Upper
49 100
129 1.5 0.0 5.6
130 75.5 66.8 100.2

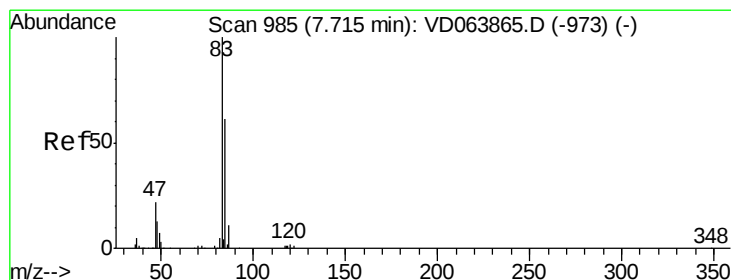
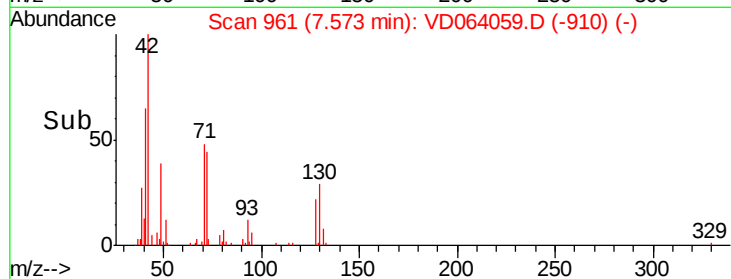
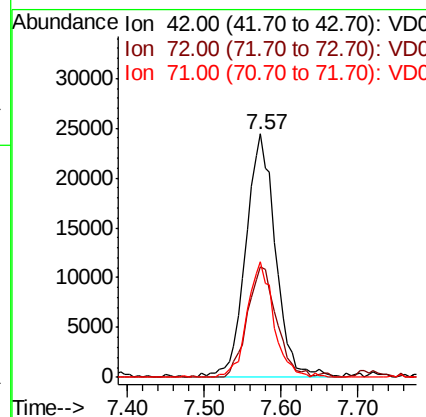
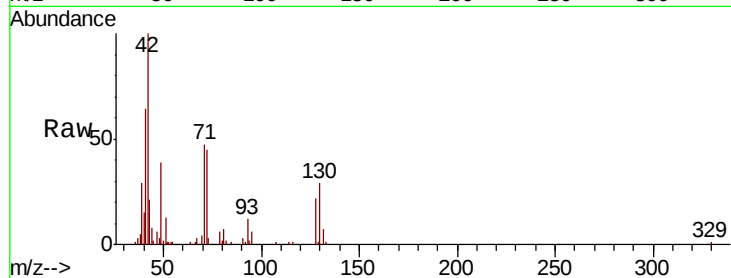




#29
Tetrahydrofuran
Concen: 325.863 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

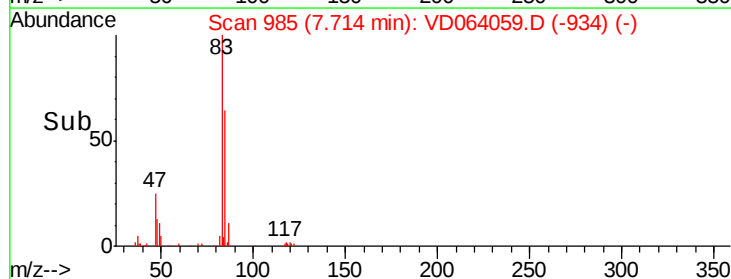
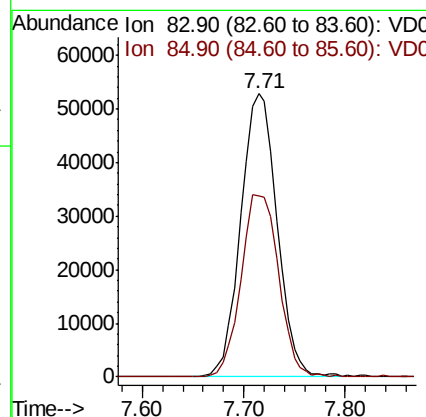
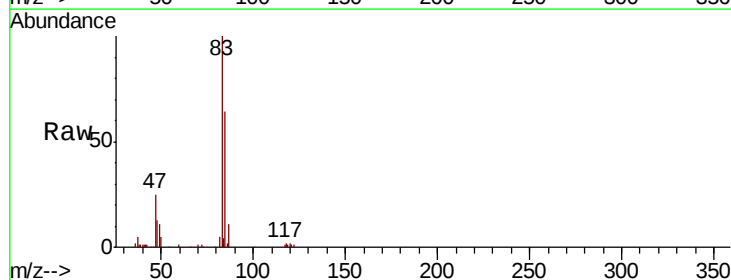
Instrument :
MSVOA_D
ClientSampleId :

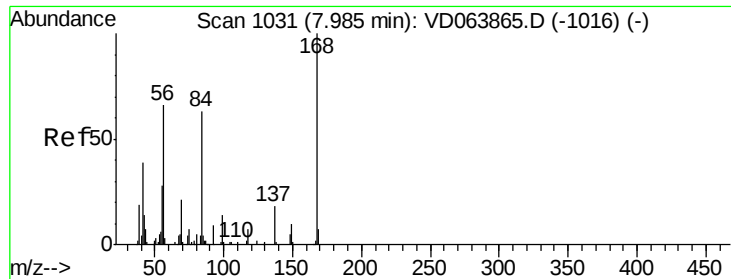
Tot Ion: 42 Resp: 66278
Ion Ratio Lower Upper
42 100
72 44.7 37.6 56.4
71 42.0 35.0 52.6



#30
Chloroform
Concen: 59.519 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion: 83 Resp: 131443
Ion Ratio Lower Upper
83 100
85 63.8 48.9 73.3

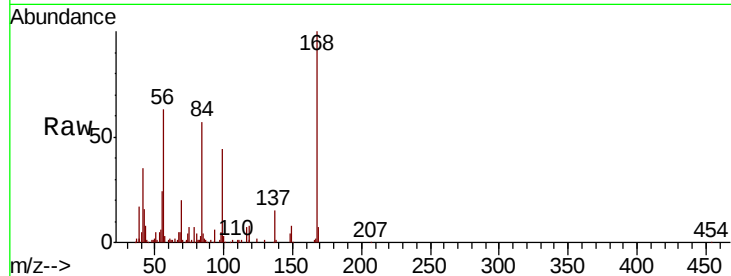




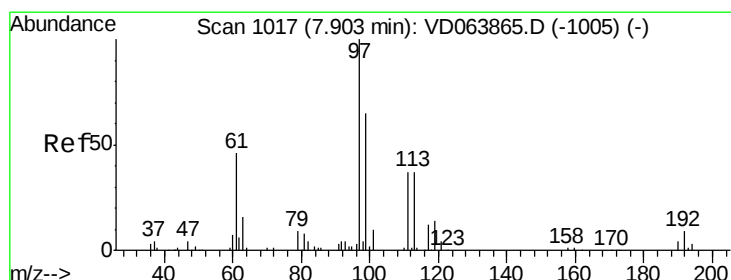
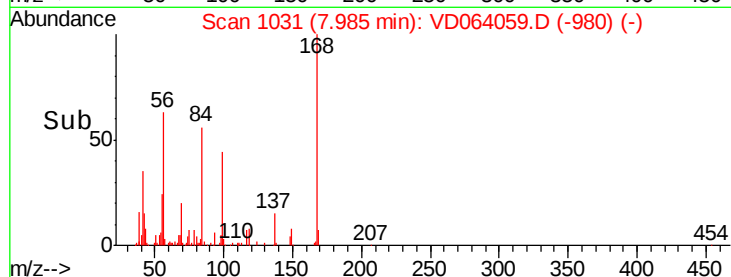
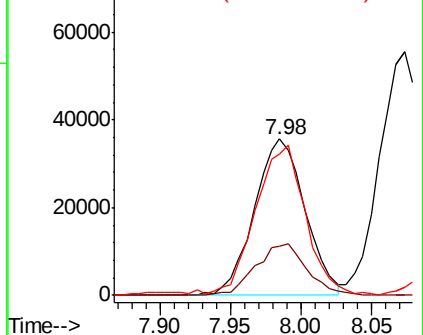
#31
Cyclohexane
Concen: 53.586 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 89602
Ion Ratio Lower Upper
56 100
69 30.6 25.0 37.4
84 89.6 76.3 114.5

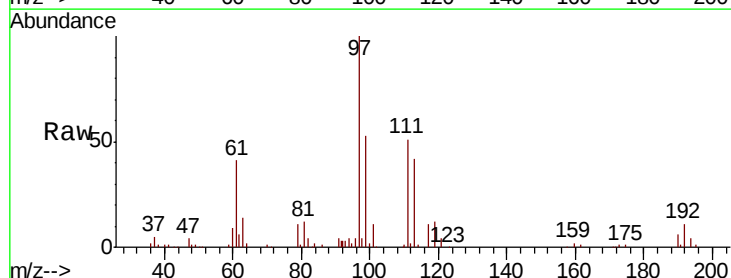


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

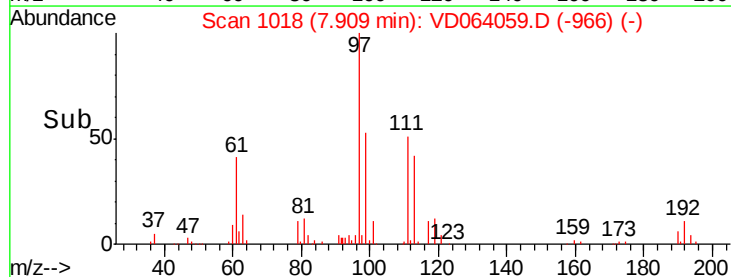
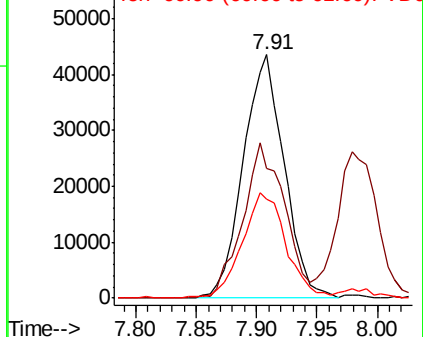


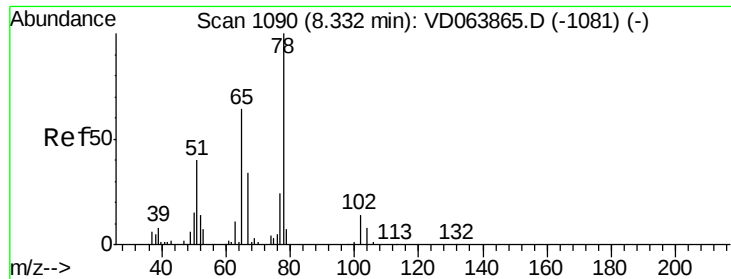
#32
1,1,1-Trichloroethane
Concen: 54.399 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion: 97 Resp: 103055
Ion Ratio Lower Upper
97 100
99 65.0 52.4 78.6
61 46.0 33.8 50.8



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

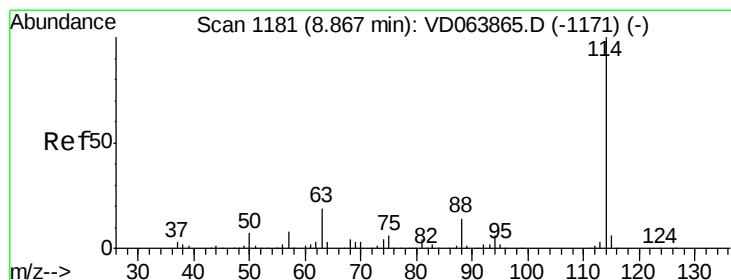
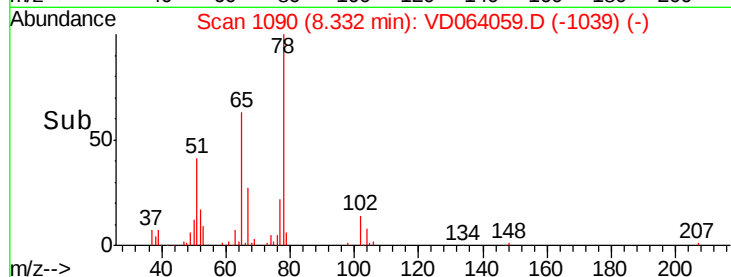
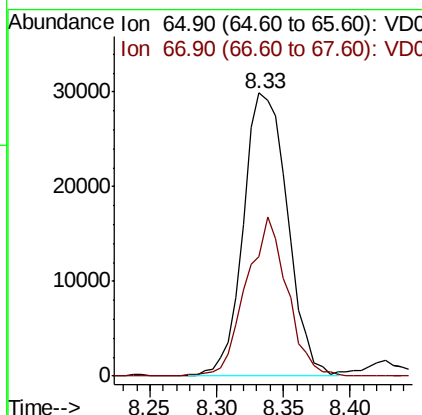
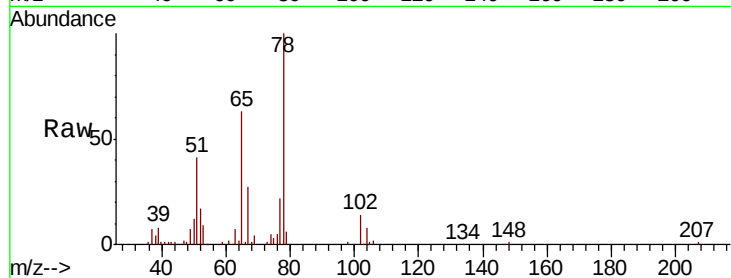




#33
 1,2-Dichloroethane-d4
 Concen: 60.564 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD064059.D
 Acq: 24 Oct 2019 21:32

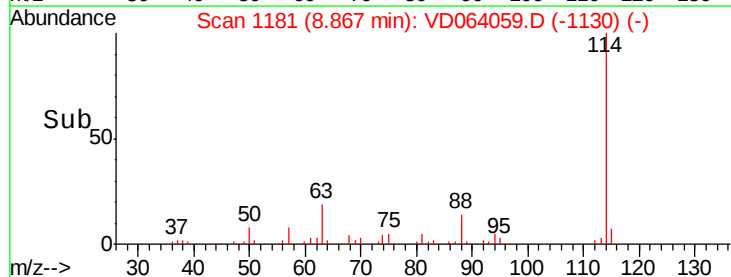
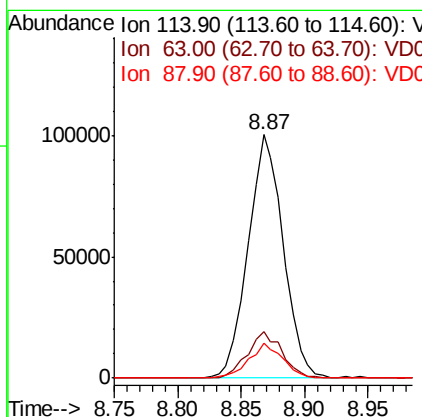
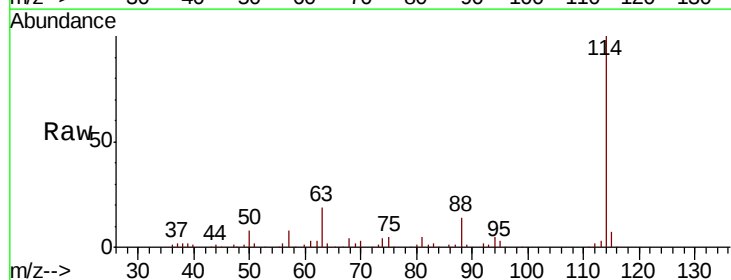
Instrument :
 MSVOA_D
 ClientSampleId :

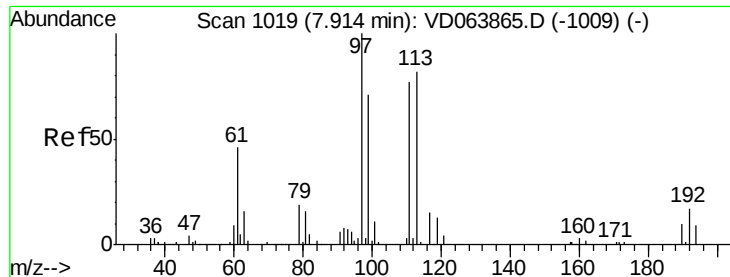
Tot Ion: 65 Resp: 68399
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064059.D
 Acq: 24 Oct 2019 21:32

Tgt Ion: 114 Resp: 194201
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.4
 88 14.2 0.0 27.4

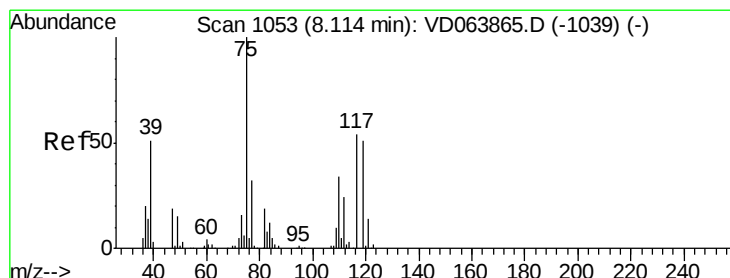
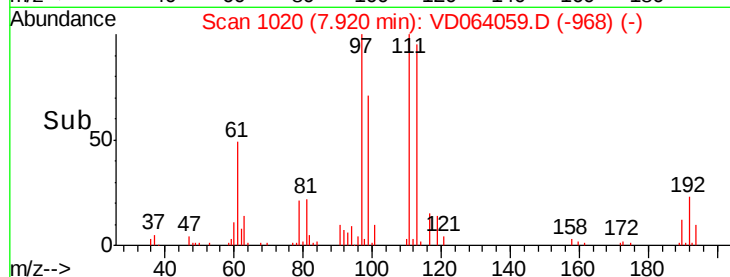
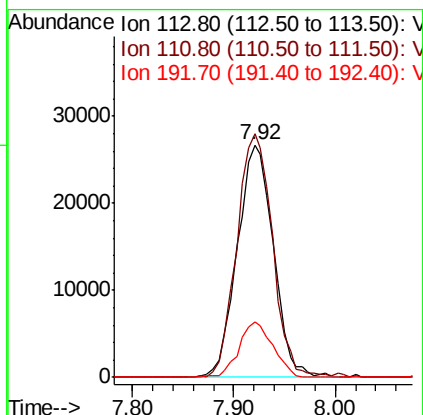
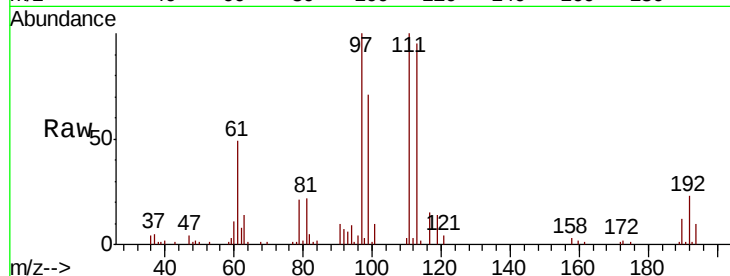




#35
 Dibromofluoromethane
 Concen: 55.577 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064059.D
 Acq: 24 Oct 2019 21:32

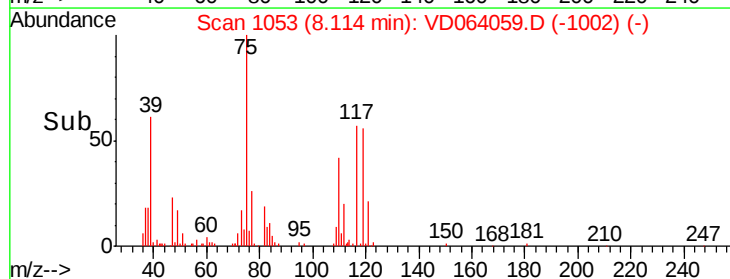
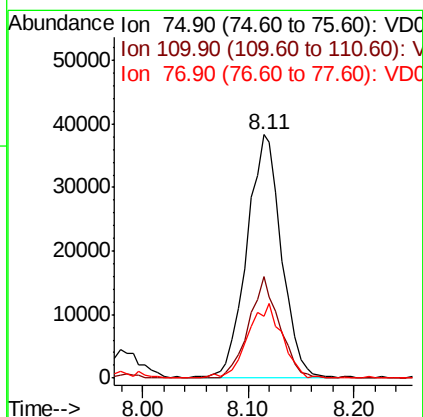
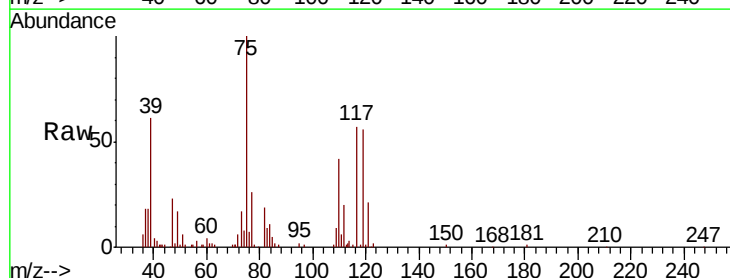
Instrument :
 MSVOA_D
 ClientSampleId :

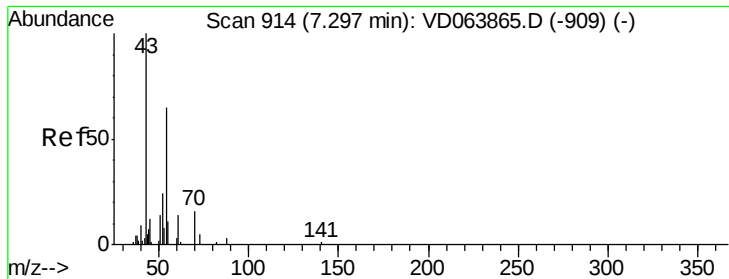
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.6	123.8
192	22.4	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 49.295 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064059.D
 Acq: 24 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.4	52.3
77	30.3	25.4	38.0

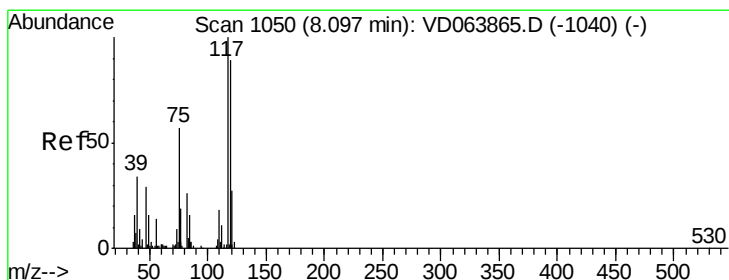
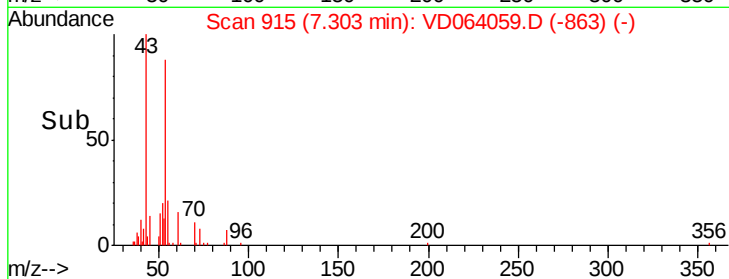
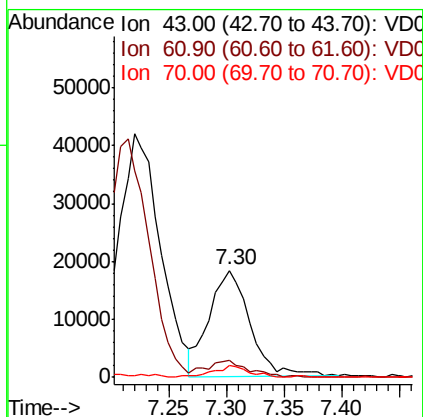
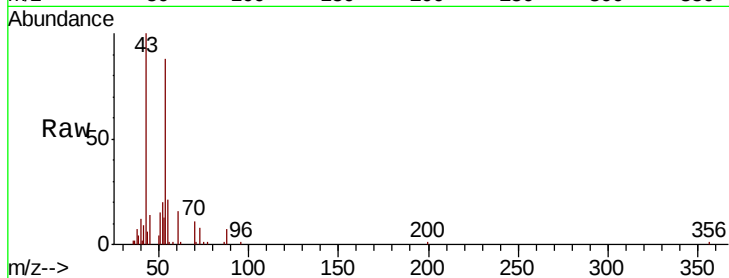




#37
Ethyl Acetate
Concen: 63.732 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

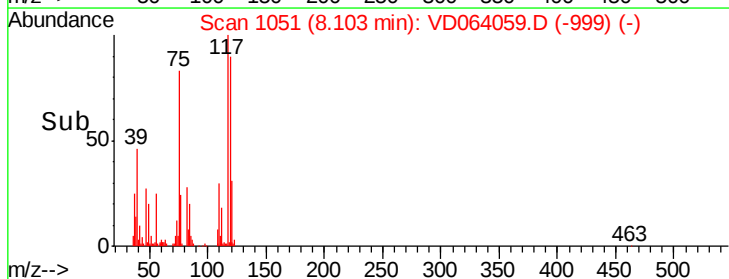
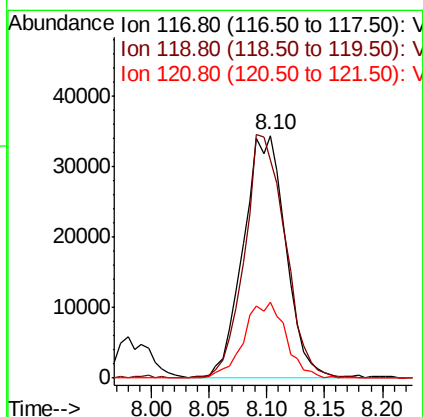
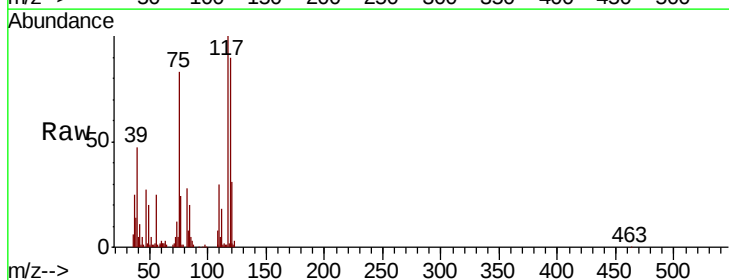
Instrument :
MSVOA_D
ClientSampled :

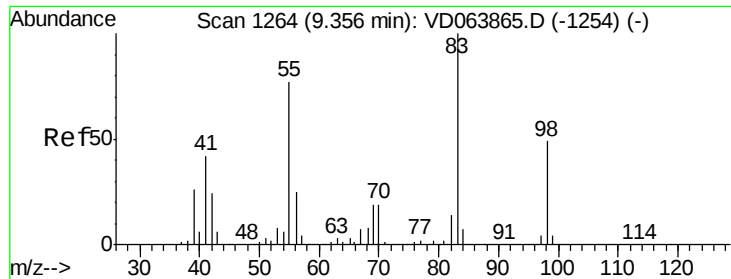
Tot Ion: 43 Resp: 44597
Ion Ratio Lower Upper
43 100
61 16.5 11.5 17.3
70 9.7 8.2 12.4



#38
Carbon Tetrachloride
Concen: 49.114 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion: 117 Resp: 88128
Ion Ratio Lower Upper
117 100
119 89.5 70.8 106.2
121 31.4 21.4 32.0

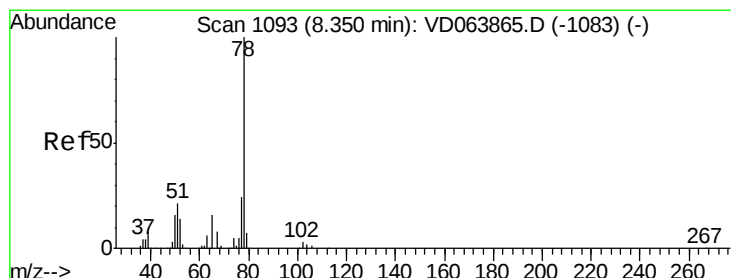
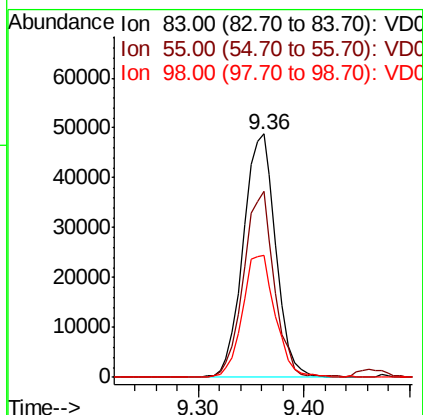
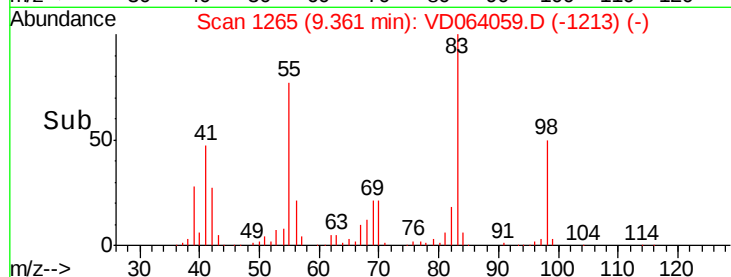
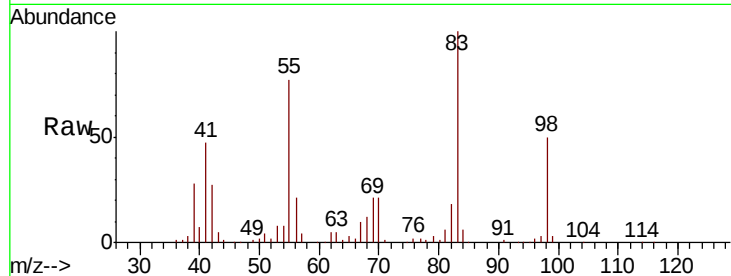




#39
Methvlcvclohexane
Concen: 47.700 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

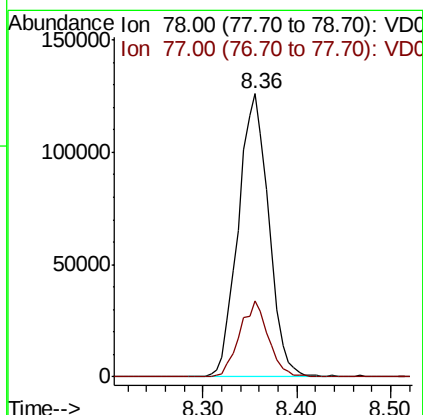
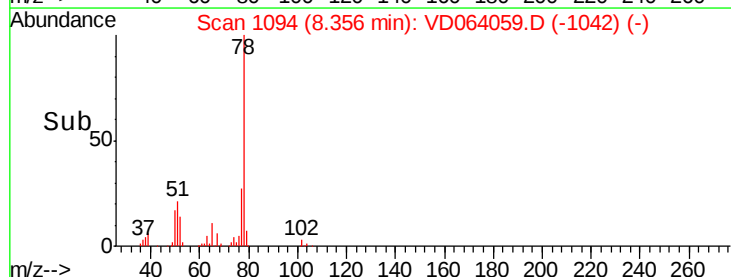
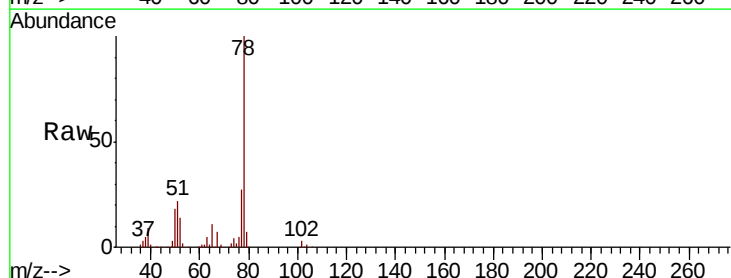
Instrument :
MSVOA_D
ClientSampleId :

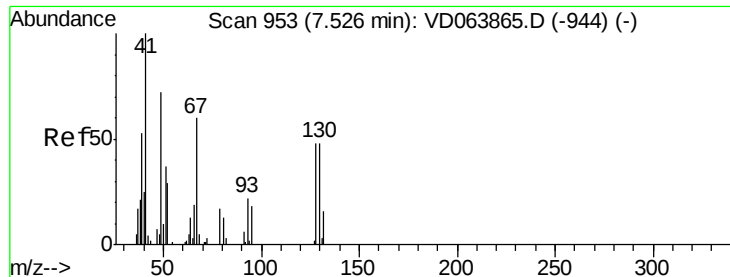
Tot Ion: 83 Resp: 104139
Ion Ratio Lower Upper
83 100
55 76.6 61.3 91.9
98 50.3 39.3 58.9



#40
Benzene
Concen: 55.668 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion: 78 Resp: 283261
Ion Ratio Lower Upper
78 100
77 26.9 19.0 28.6

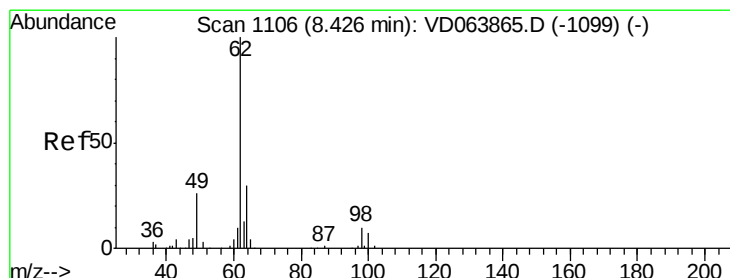
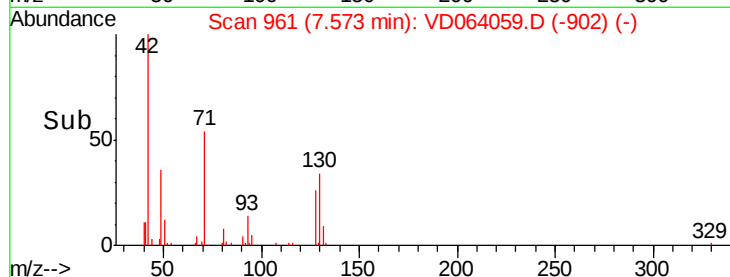
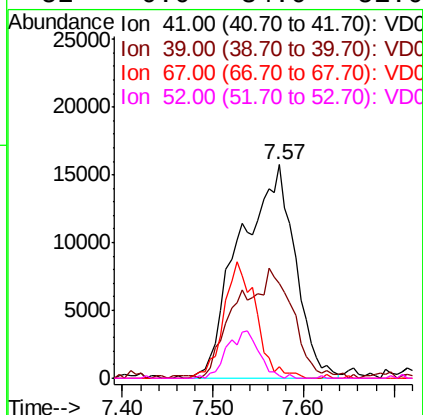
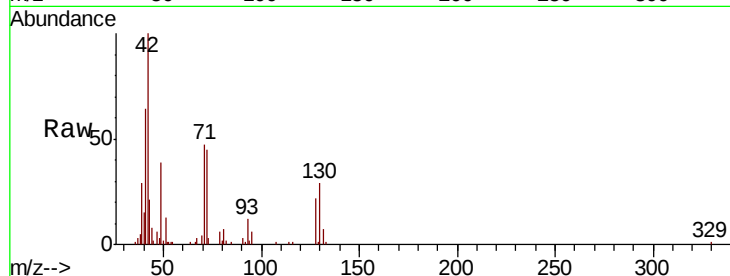




#41
Methacrylonitrile
Concen: 160.975 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.05 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

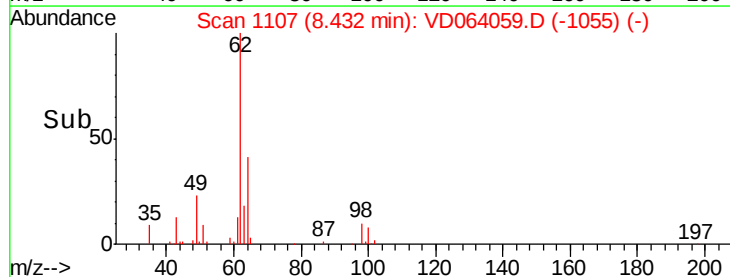
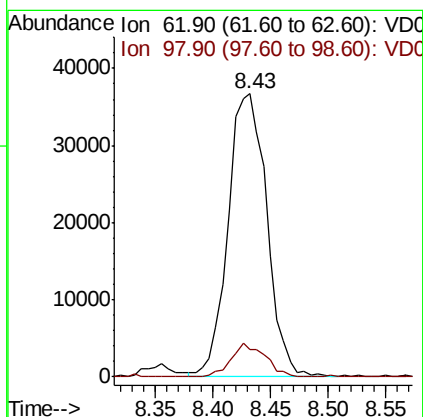
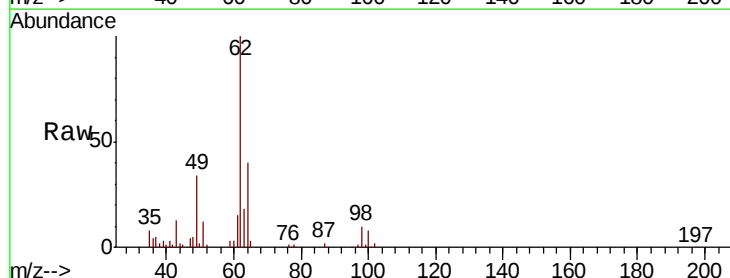
Instrument :
MSVOA_D
ClientSampleID :

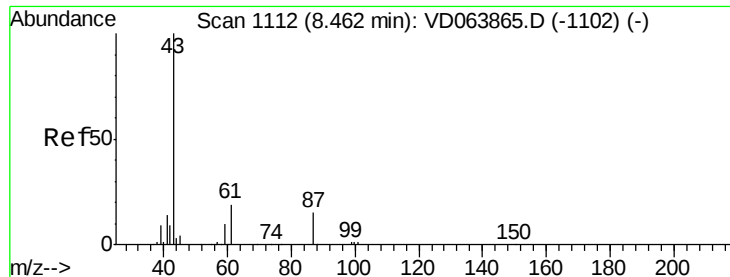
Tot Ion: 41 Resp: 66269
Ion Ratio Lower Upper
41 100
39 25.2 52.6 78.8#
67 0.0 74.2 111.2#
52 0.0 34.0 51.0#



#42
1,2-Dichloroethane
Concen: 57.948 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion: 62 Resp: 85294
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.0

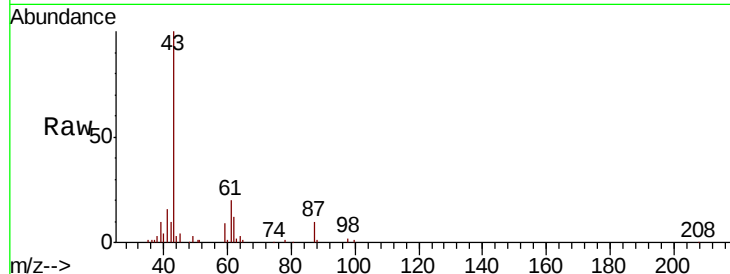




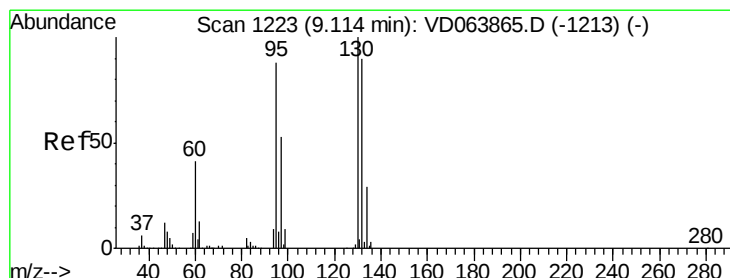
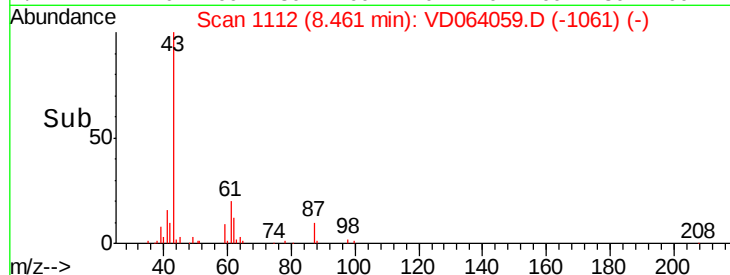
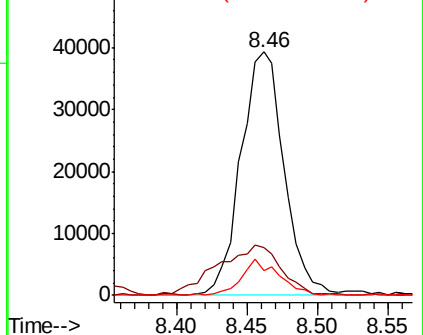
#43
Isopropyl Acetate
Concen: 56.630 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 84328
Ion Ratio Lower Upper
43 100
61 30.5 25.7 38.5
87 13.1 11.6 17.4

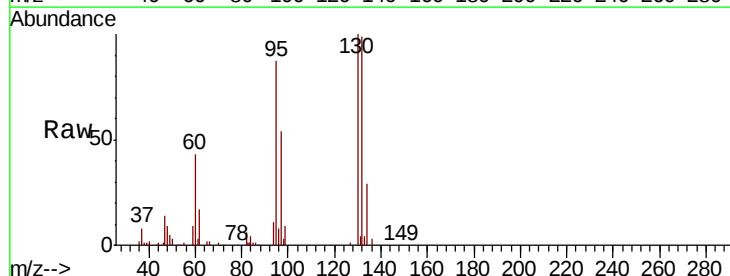


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

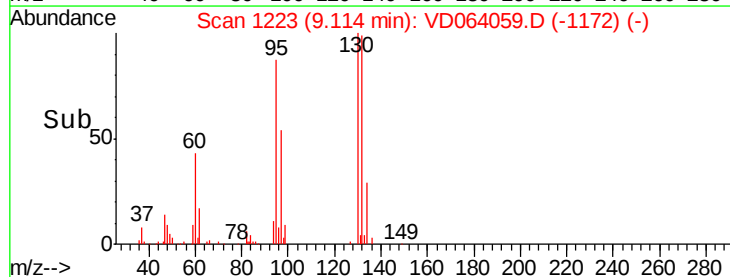
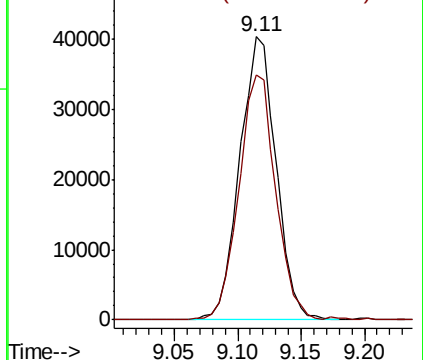


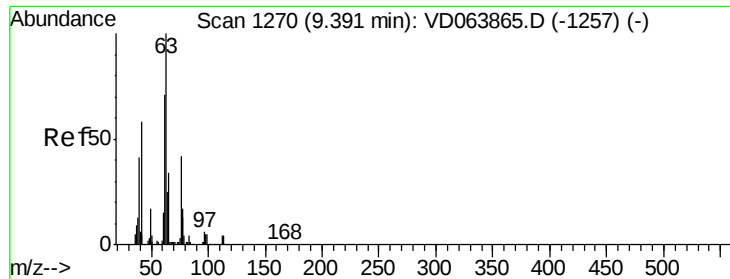
#44
Trichloroethene
Concen: 54.582 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion: 130 Resp: 80088
Ion Ratio Lower Upper
130 100
95 86.5 0.0 175.6



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

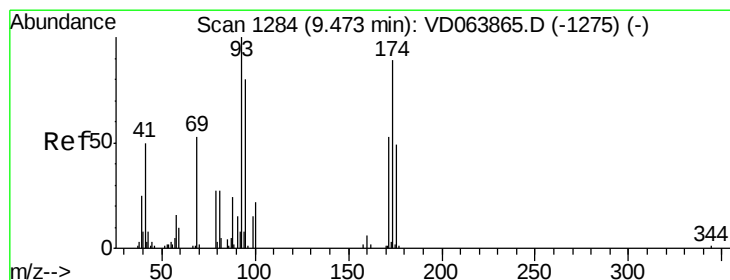
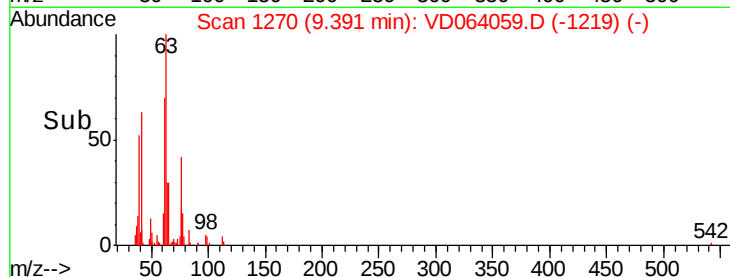
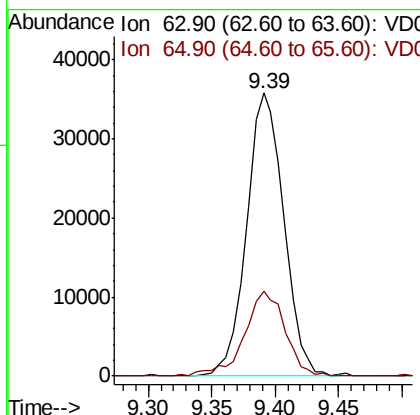
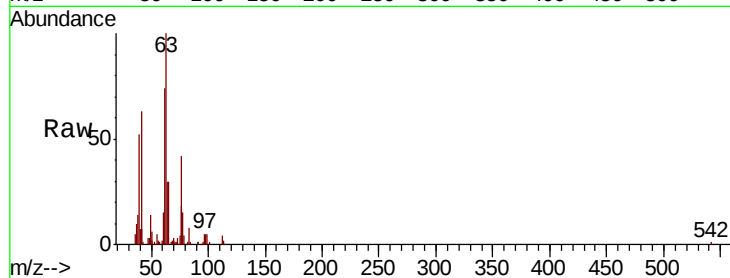




#45
 1,2-Dichloropropane
 Concen: 58.689 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064059.D
 Acq: 24 Oct 2019 21:32

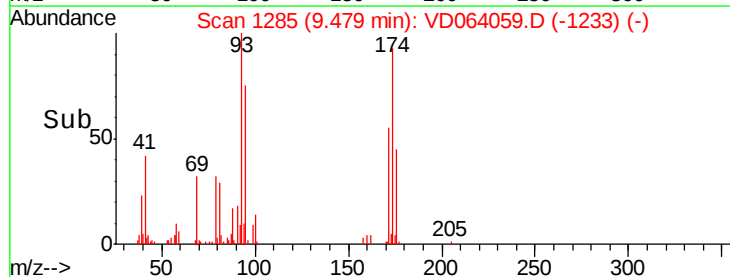
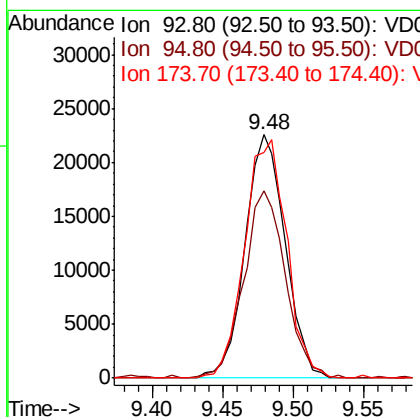
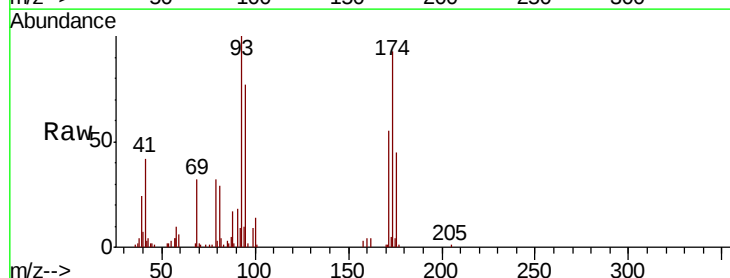
Instrument :
 MSVOA_D
 ClientSampleId :

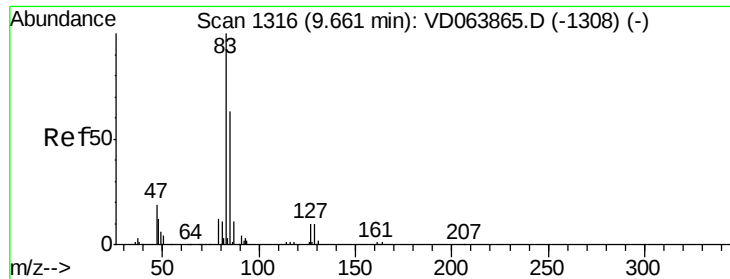
Tot Ion: 63 Resp: 73095
 Ion Ratio Lower Upper
 63 100
 65 30.0 27.3 40.9



#46
 Dibromomethane
 Concen: 63.493 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD064059.D
 Acq: 24 Oct 2019 21:32

Tgt Ion: 93 Resp: 45036
 Ion Ratio Lower Upper
 93 100
 95 80.0 66.0 99.0
 174 102.5 83.4 125.0





#47

Bromodichloromethane

Concen: 59.356 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

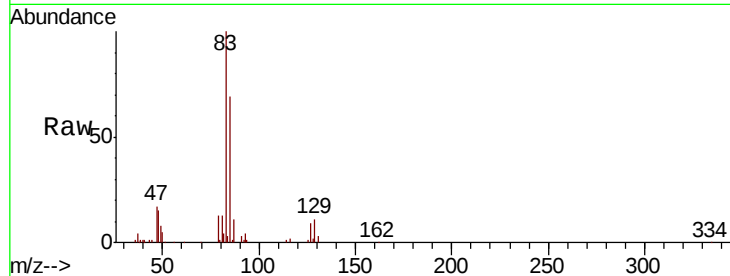
Tot Ion: 83 Resp: 108396

Ion Ratio Lower Upper

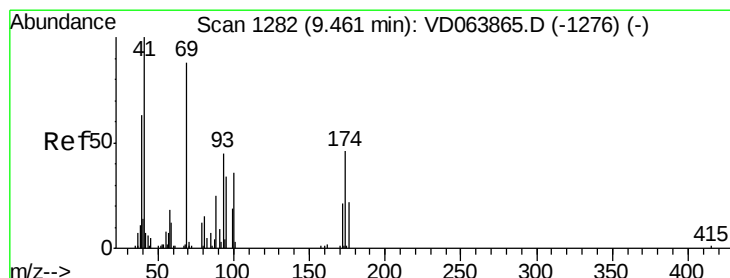
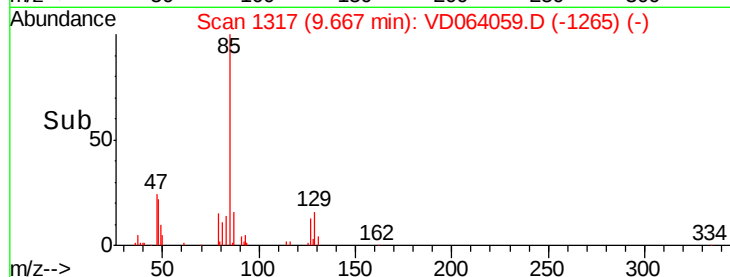
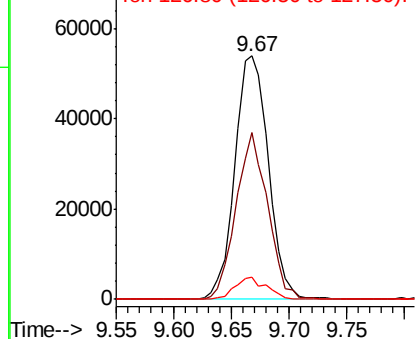
83 100

85 68.6 50.2 75.2

127 9.1 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: 55.315 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

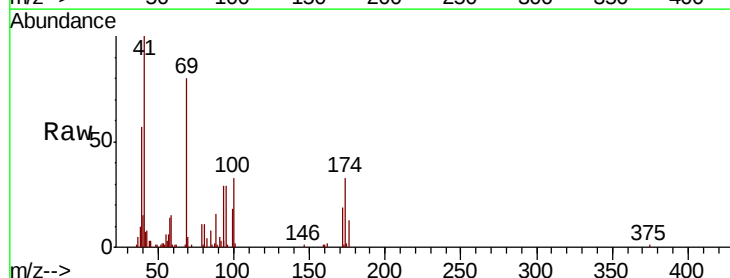
Tgt Ion: 41 Resp: 39466

Ion Ratio Lower Upper

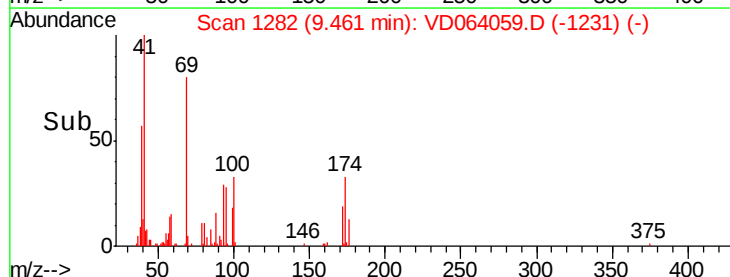
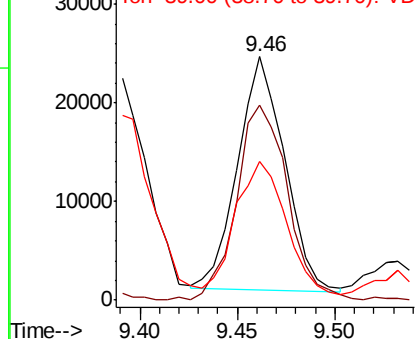
41 100

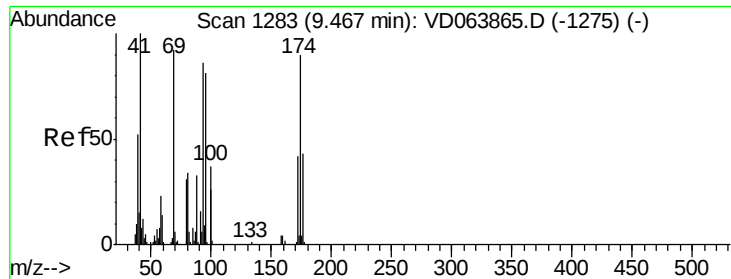
69 91.0 75.1 112.7

39 67.0 50.2 75.2



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

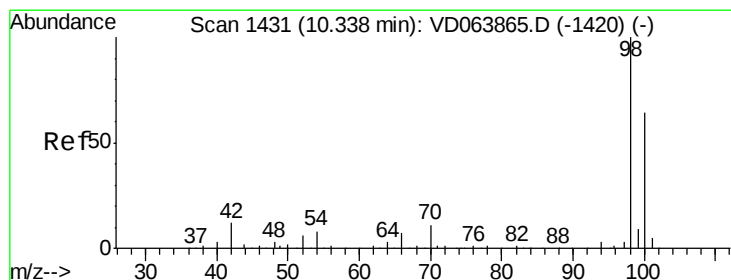
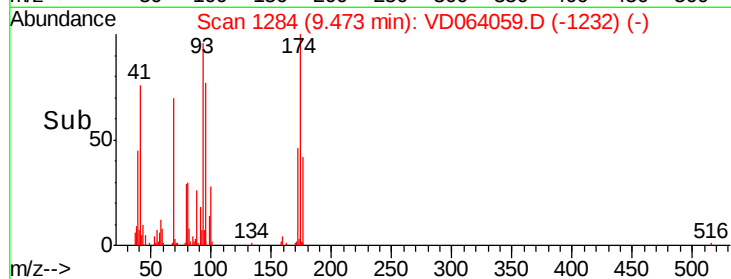
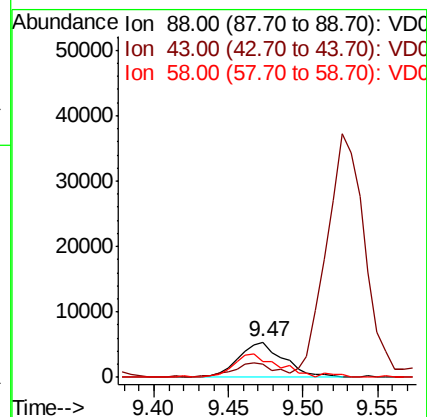
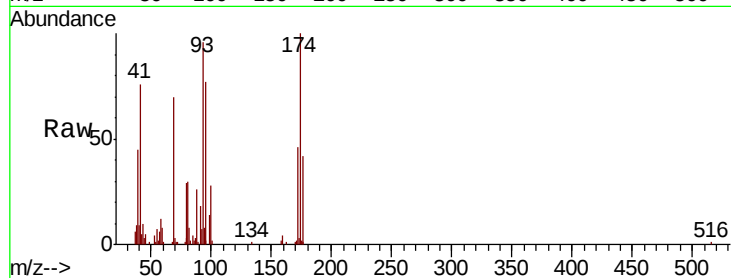




#49
1,4-Dioxane
Concen: 1155.129 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

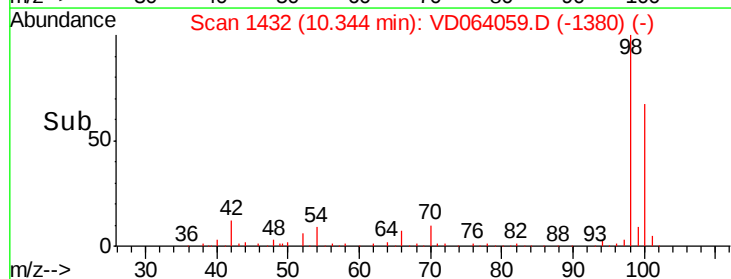
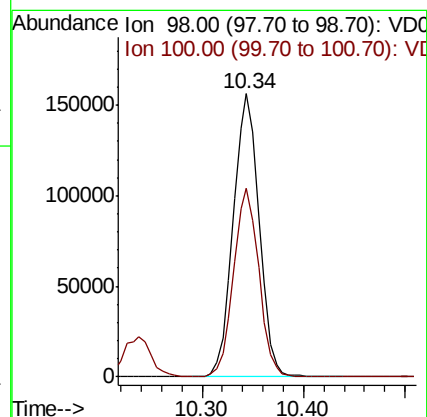
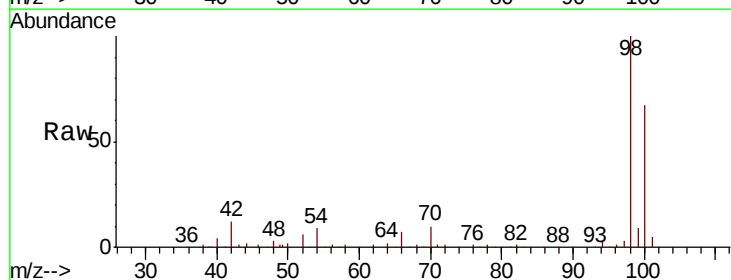
Instrument :
MSVOA_D
ClientSampleId :

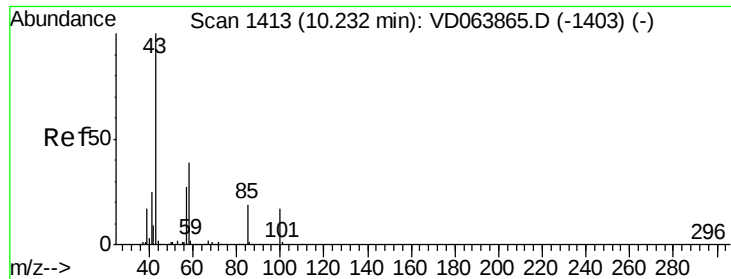
Tot Ion: 88 Resp: 11184
Ion Ratio Lower Upper
88 100
43 39.5 27.6 41.4
58 65.3 54.1 81.1



#50
Toluene-d8
Concen: 57.424 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion: 98 Resp: 276620
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 311.405 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Instrument :

MSVOA_D

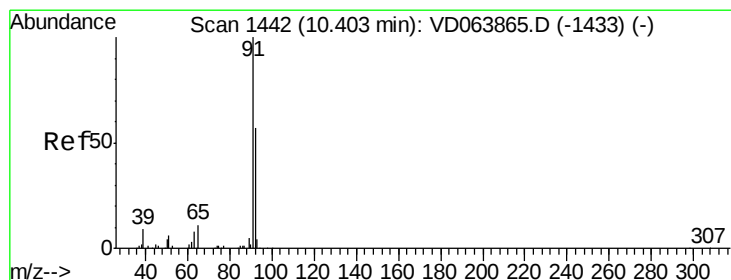
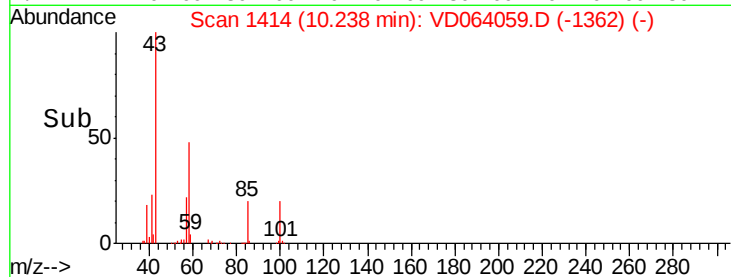
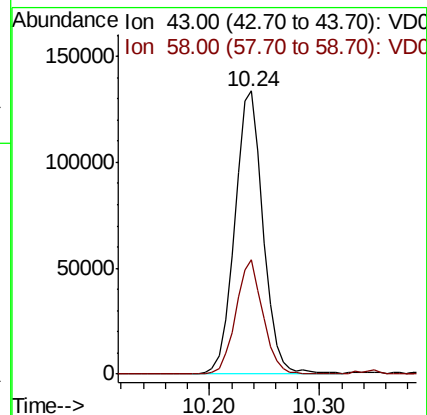
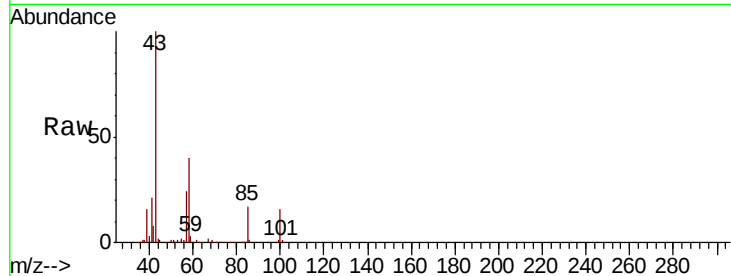
ClientSampled :

Tot Ion: 43 Resp: 240493

Ion Ratio Lower Upper

43 100

58 38.7 33.0 49.4



#52

Toluene

Concen: 58.899 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064059.D

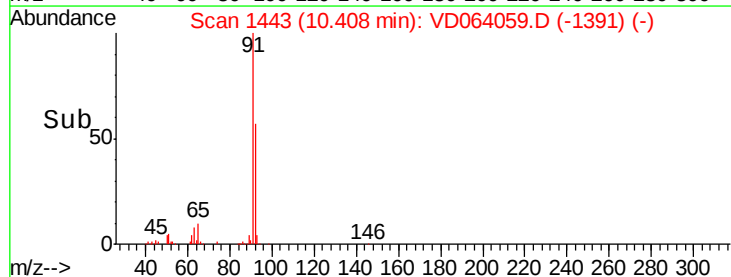
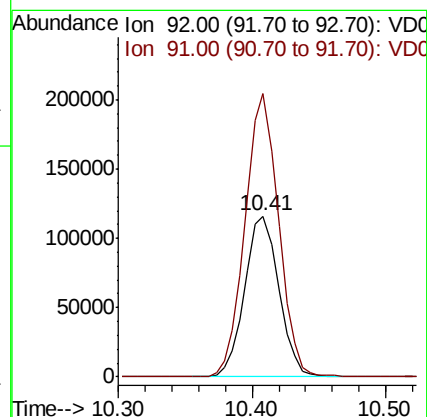
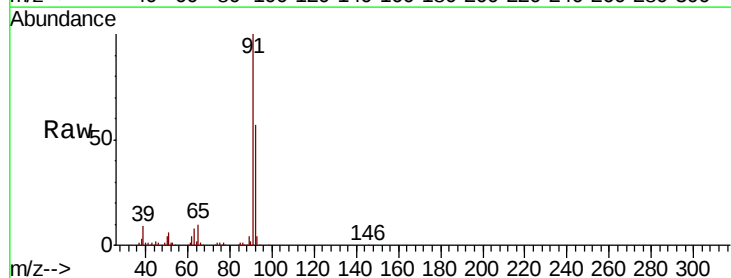
Acq: 24 Oct 2019 21:32

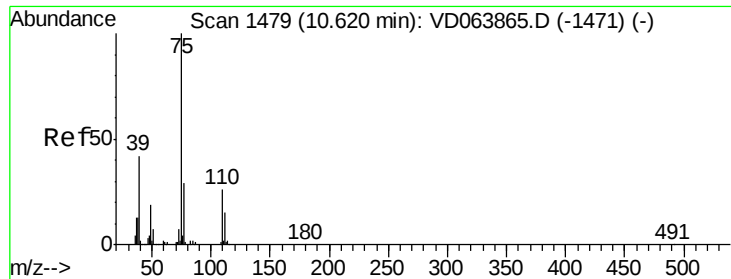
Tgt Ion: 92 Resp: 205740

Ion Ratio Lower Upper

92 100

91 172.8 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 59.460 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Instrument :

MSVOA_D

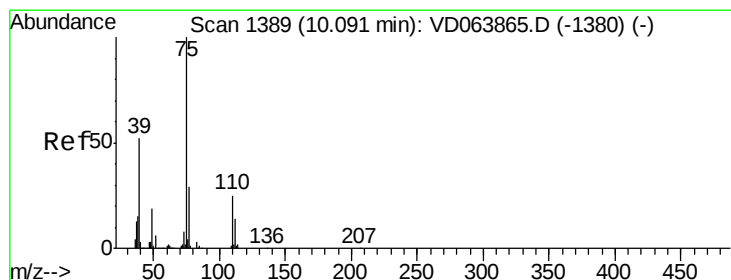
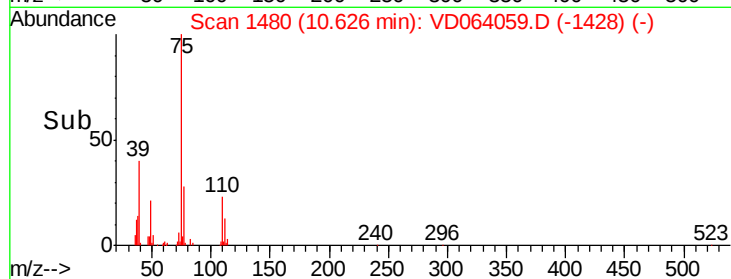
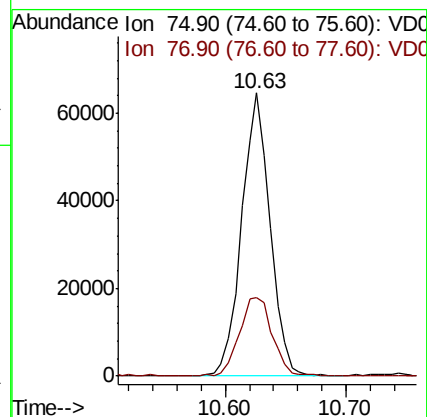
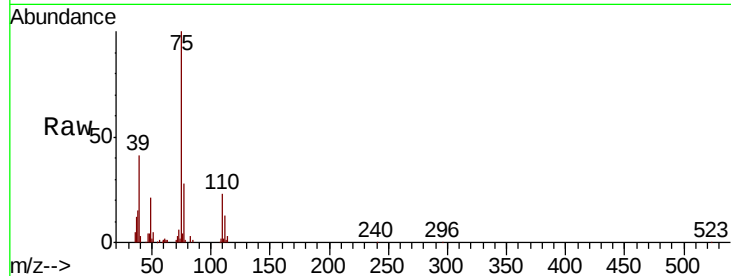
ClientSampleId :

Tot Ion: 75 Resp: 105960

Ion Ratio Lower Upper

75 100

77 27.7 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 58.729 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

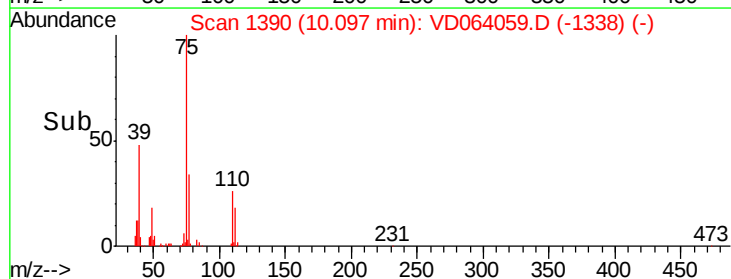
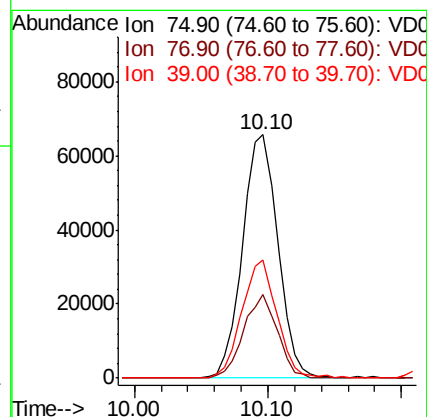
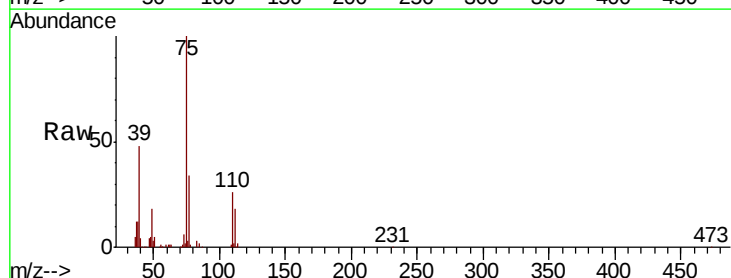
Tgt Ion: 75 Resp: 120473

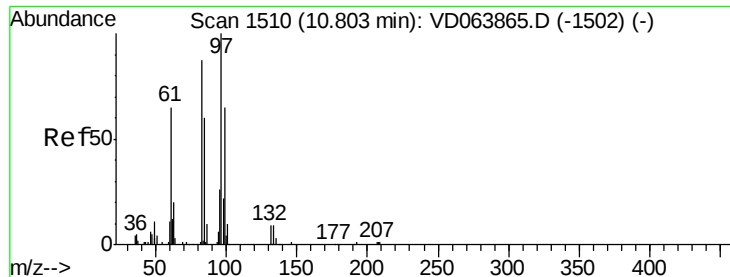
Ion Ratio Lower Upper

75 100

77 34.1 23.2 34.8

39 48.5 41.5 62.3

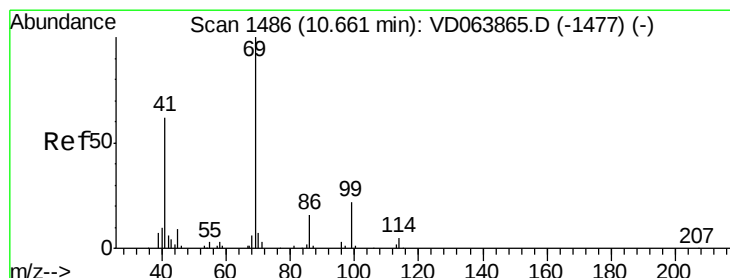
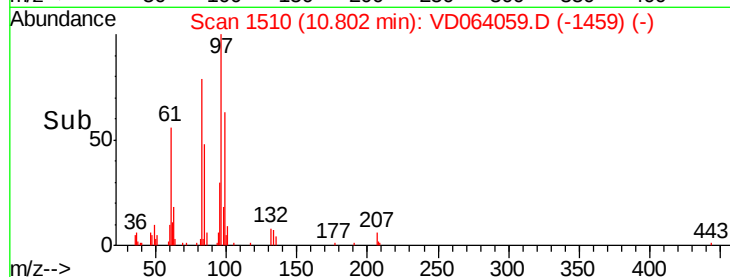
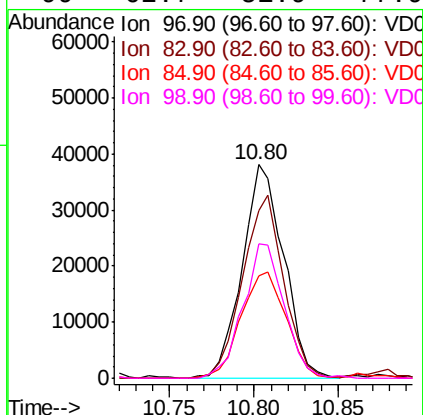
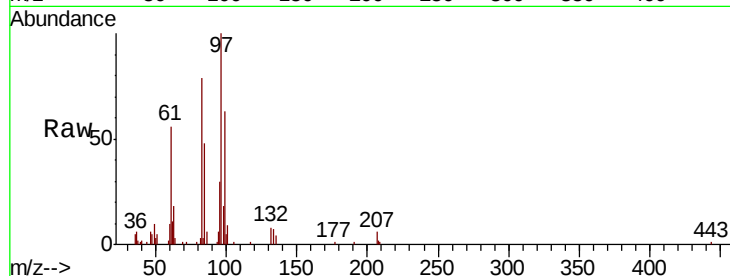




#55
 1,1,2-Trichloroethane
 Concen: 65.110 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064059.D
 Acq: 24 Oct 2019 21:32

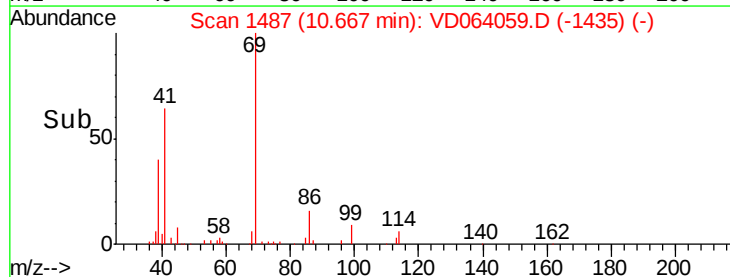
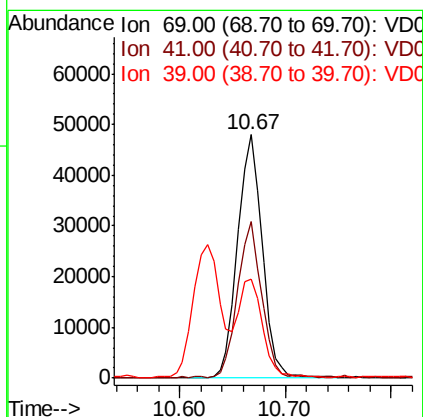
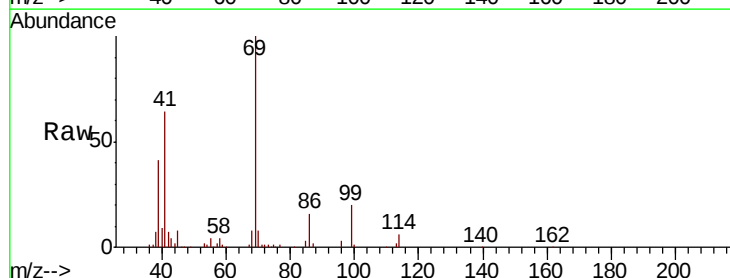
Instrument :
 MSVOA_D
 ClientSampleId :

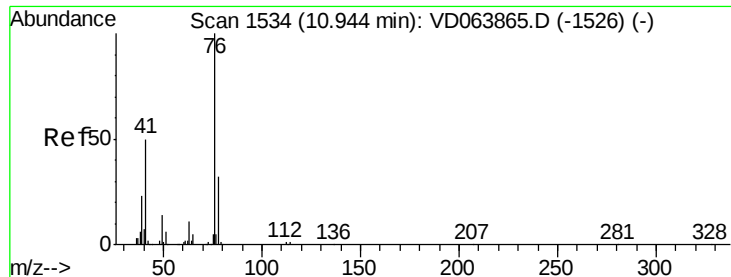
Tot Ion:	97	Resp:	65208
Ion	Ratio	Lower	Upper
97	100		
83	78.7	69.7	104.5
85	48.1	48.1	72.1
99	62.7	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 61.181 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064059.D
 Acq: 24 Oct 2019 21:32

Tgt Ion:	69	Resp:	77594
Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.3	76.9
39	39.5	28.0	42.0

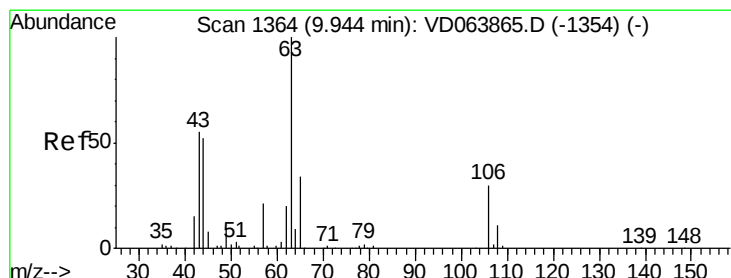
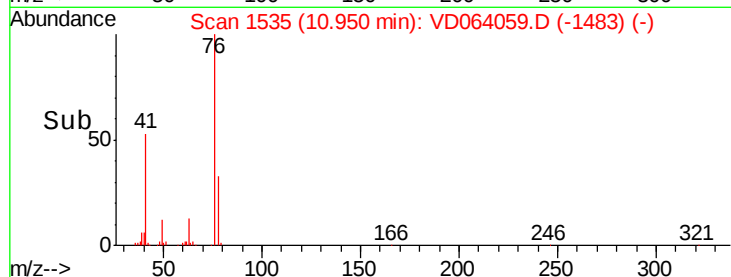
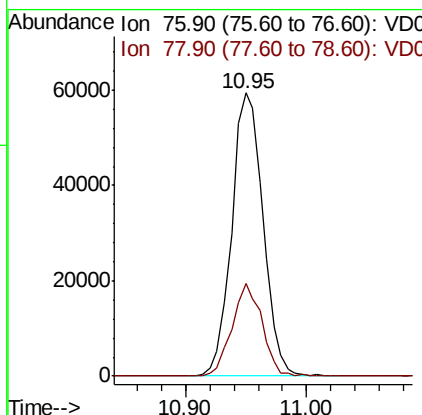
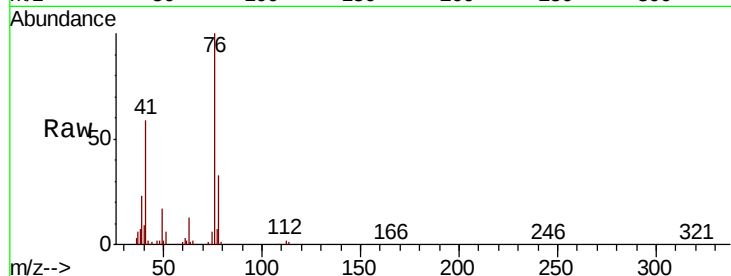




#57
 1,3-Dichloropropane
 Concen: 62.976 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD064059.D
 Acq: 24 Oct 2019 21:32

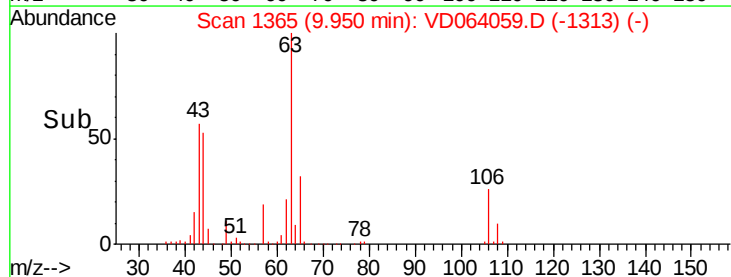
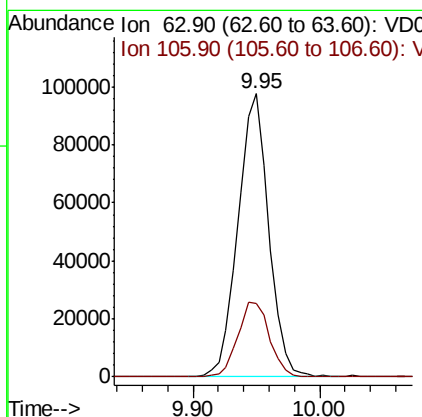
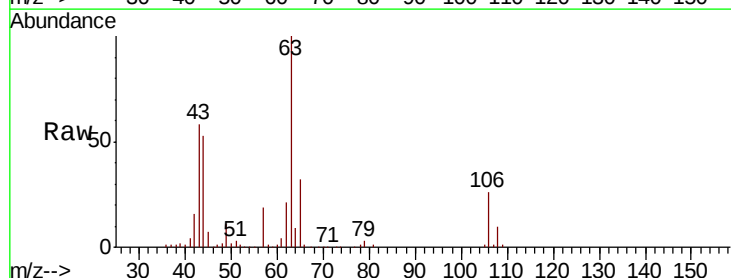
Instrument :
 MSVOA_D
 ClientSampleId :

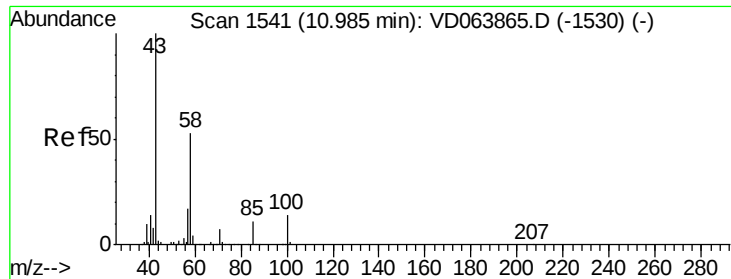
Tot Ion: 76 Resp: 107913
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 300.459 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064059.D
 Acq: 24 Oct 2019 21:32

Tgt Ion: 63 Resp: 163796
 Ion Ratio Lower Upper
 63 100
 106 27.2 24.3 36.5

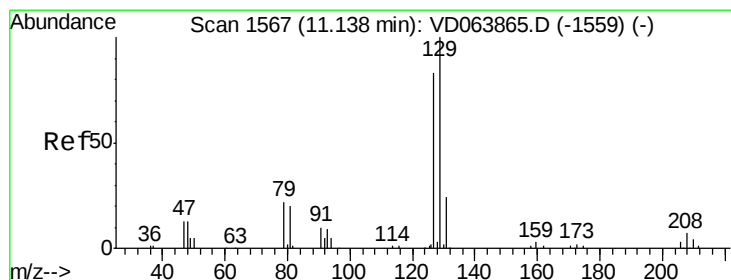
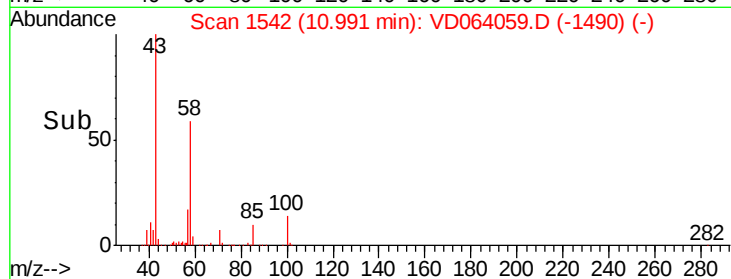
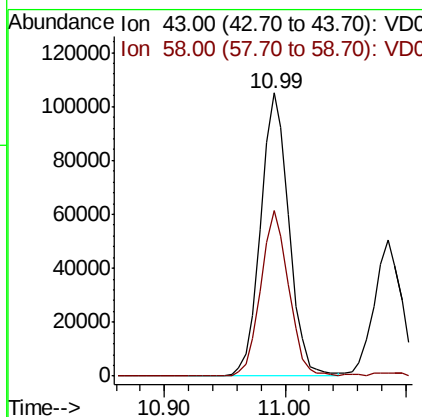
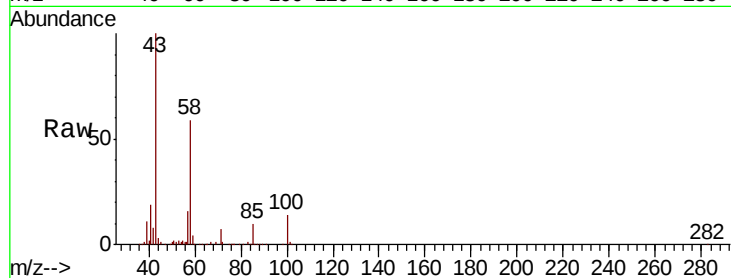




#59
2-Hexanone
Concen: 304.395 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

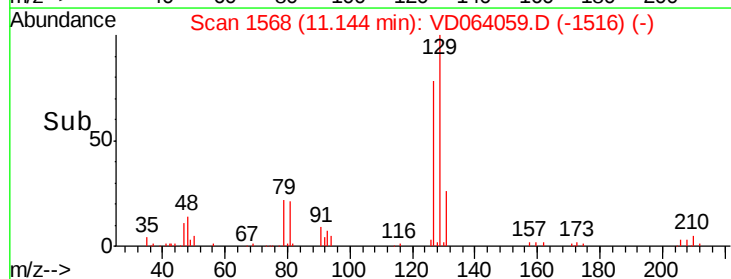
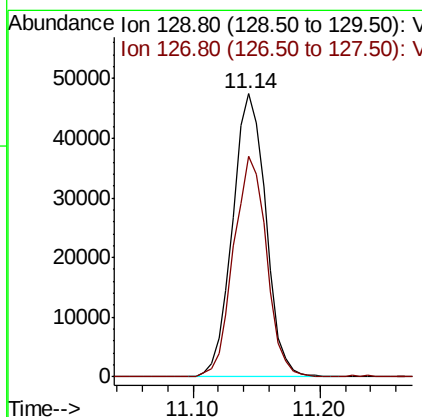
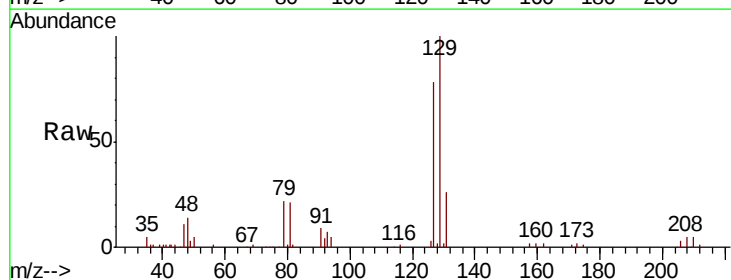
Instrument :
MSVOA_D
ClientSampled :

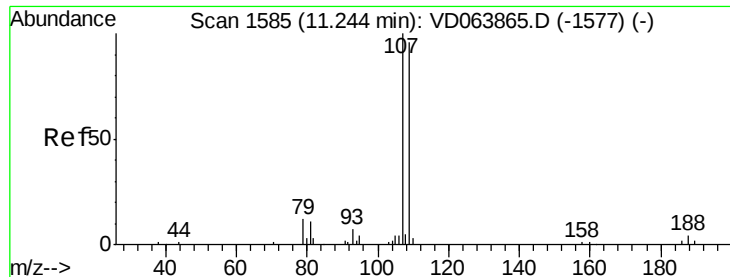
Tot Ion: 43 Resp: 170049
Ion Ratio Lower Upper
43 100
58 57.6 27.7 83.0



#60
Dibromochloromethane
Concen: 66.125 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion: 129 Resp: 86218
Ion Ratio Lower Upper
129 100
127 77.2 39.9 119.6

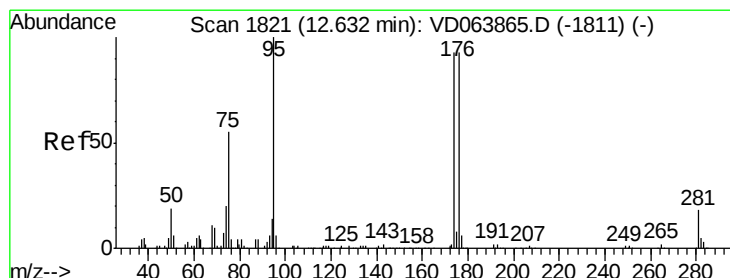
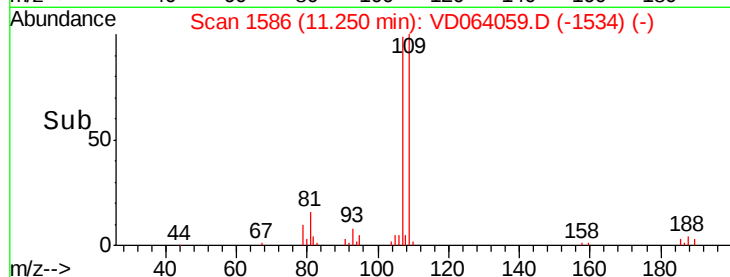
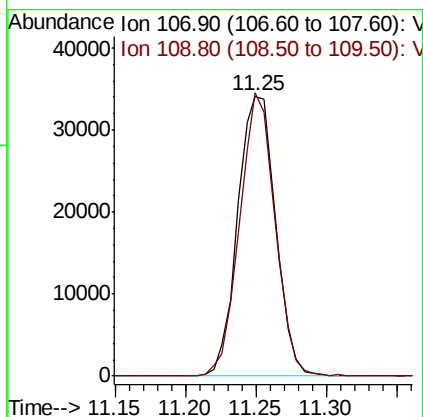
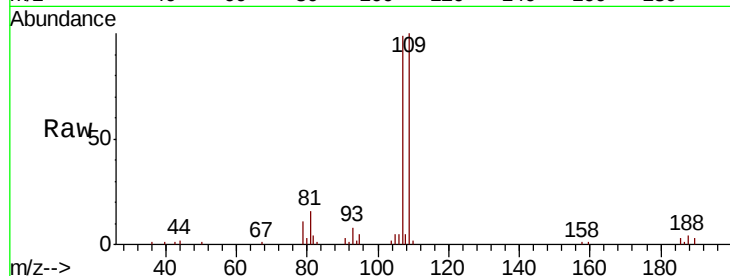




#61
1,2-Dibromoethane
Concen: 65.965 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

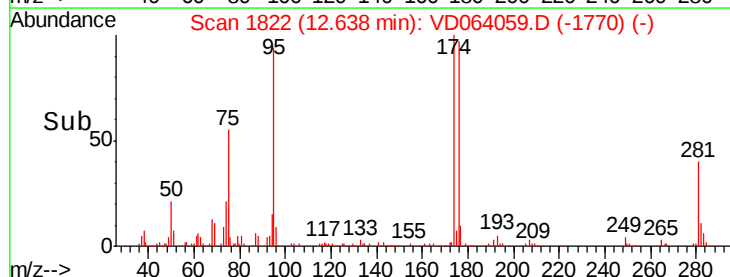
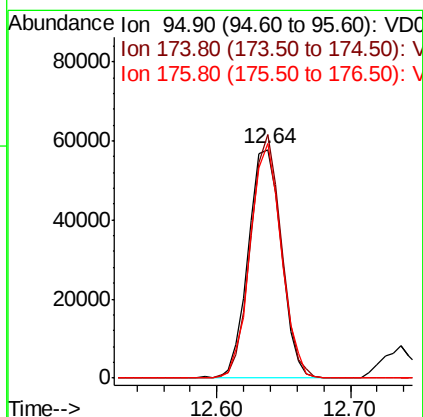
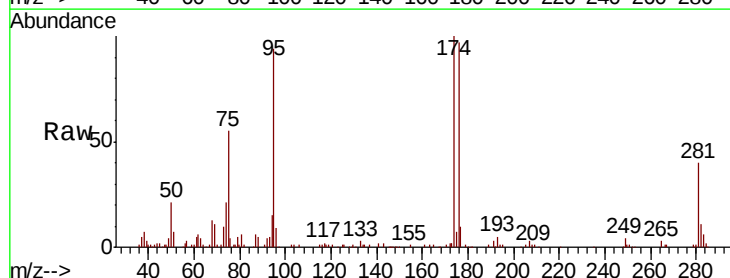
Instrument :
MSVOA_D
ClientSampleId :

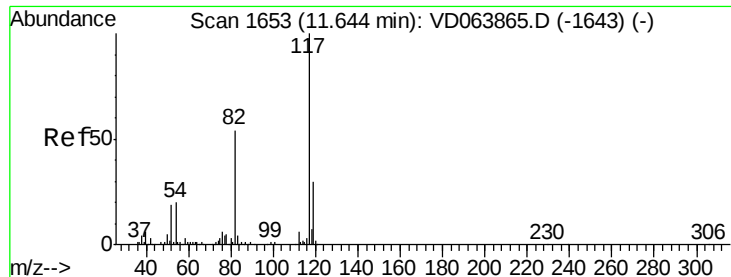
Tot Ion: 107 Resp: 64047
Ion Ratio Lower Upper
107 100
109 94.6 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 58.910 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion: 95 Resp: 98612
Ion Ratio Lower Upper
95 100
174 99.0 0.0 186.4
176 96.8 0.0 184.2

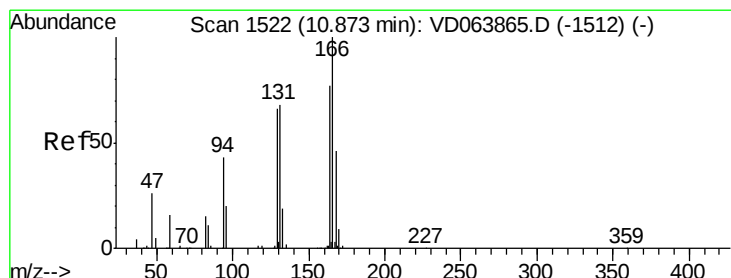
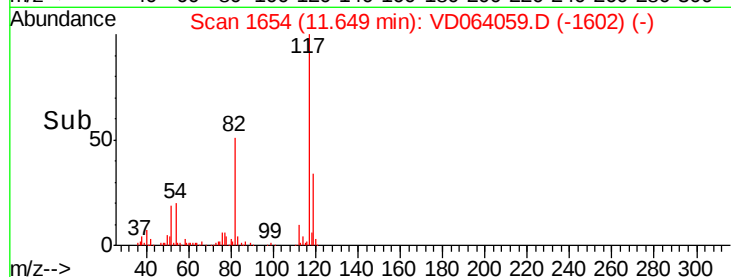
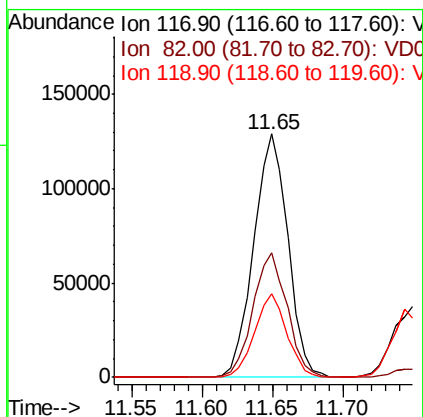
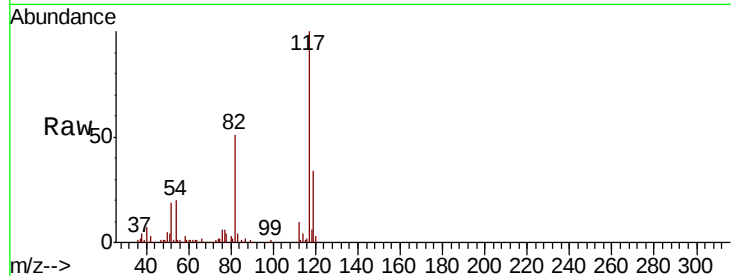




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

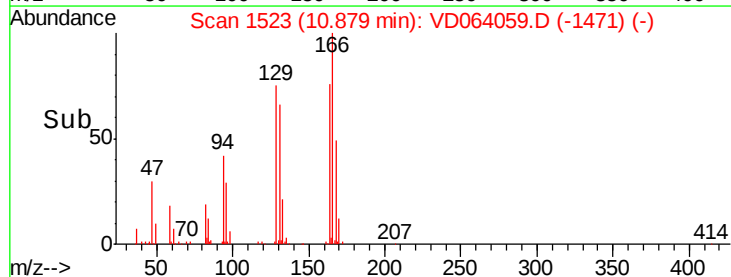
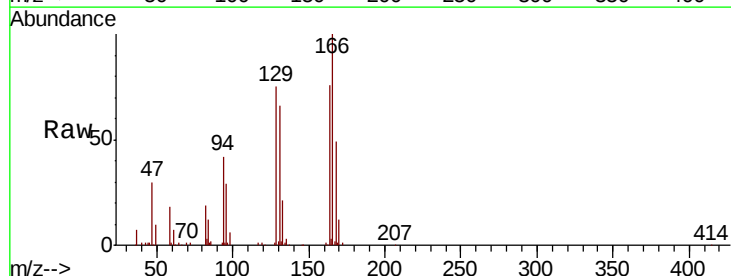
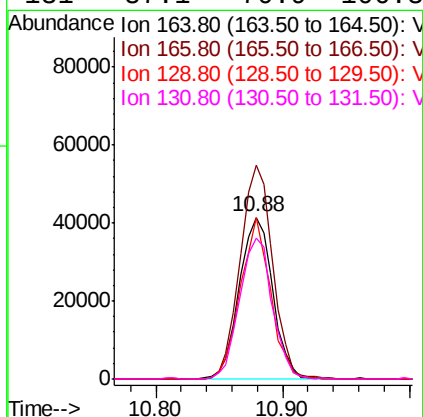
Instrument :
MSVOA_D
ClientSampleId :

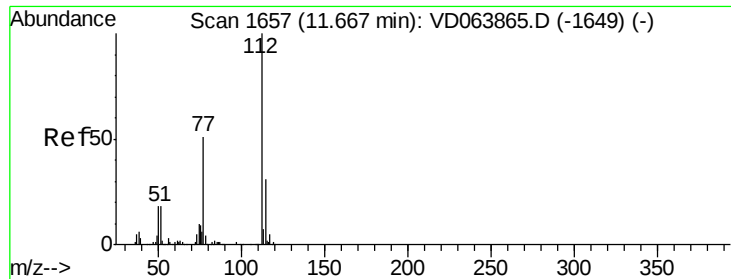
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.8	64.2
119	34.4	24.4	36.6



#64
Tetrachloroethene
Concen: 50.544 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	103.8	155.6
129	99.7	68.9	103.3
131	87.1	70.9	106.3

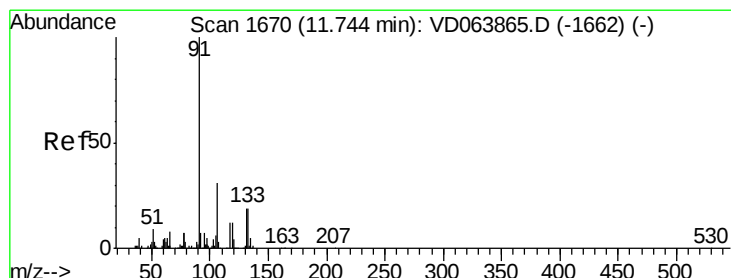
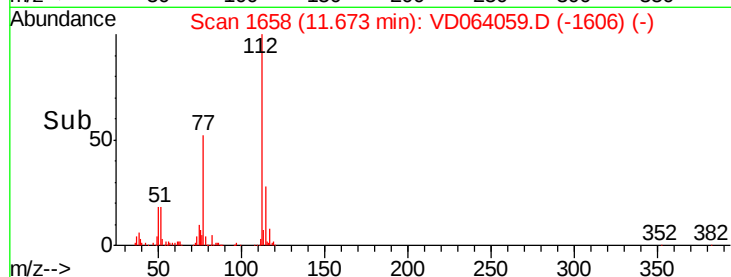
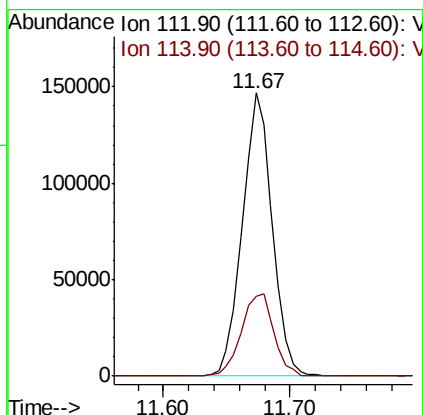
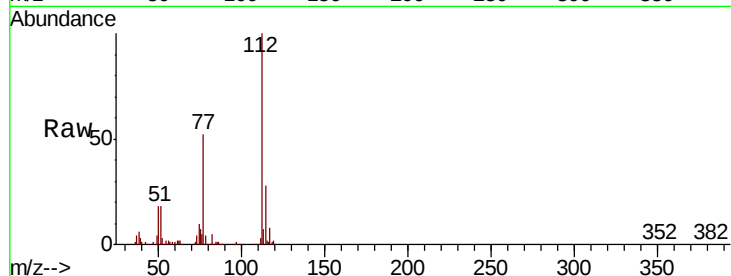




#65
Chlorobenzene
Concen: 54.166 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

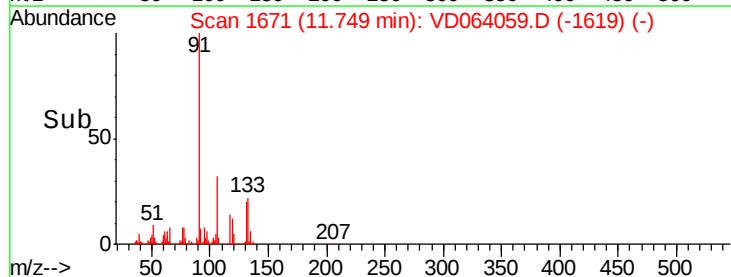
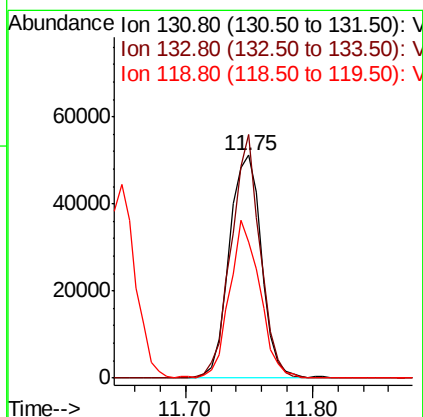
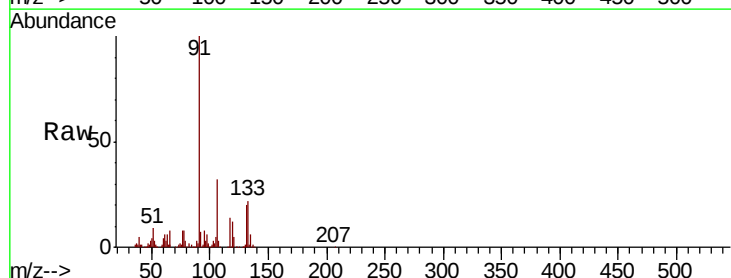
Instrument :
MSVOA_D
ClientSampleId :

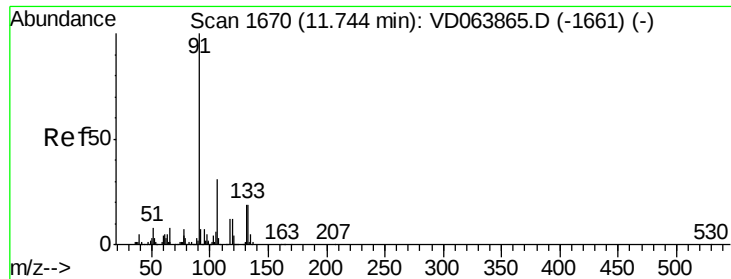
Tot Ion:112 Resp: 239284
Ion Ratio Lower Upper
112 100
114 28.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 55.218 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion:131 Resp: 89882
Ion Ratio Lower Upper
131 100
133 98.1 48.9 146.7
119 66.0 32.6 97.8





#67

Ethyl Benzene

Concen: 51.925 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Instrument :

MSVOA_D

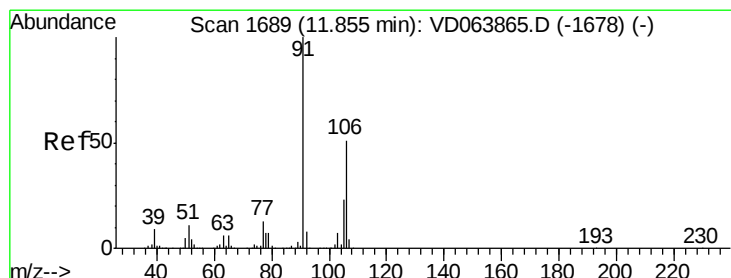
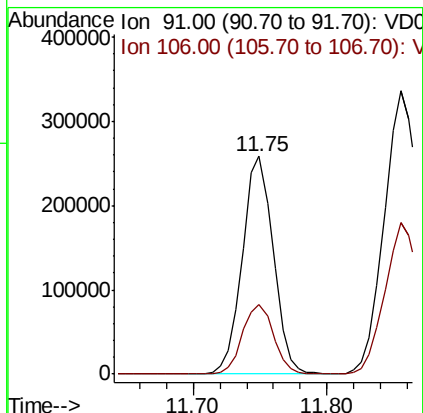
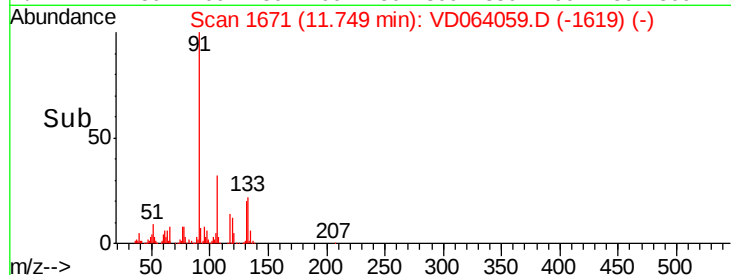
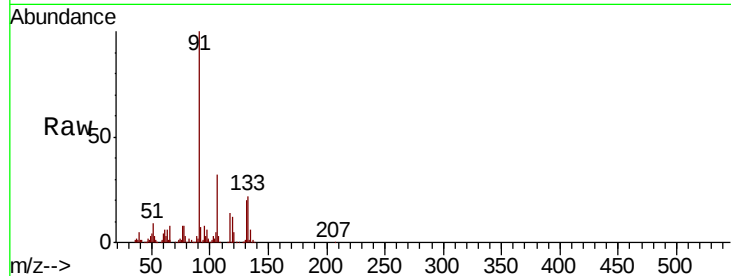
ClientSampleId :

Tot Ion: 91 Resp: 413618

Ion Ratio Lower Upper

91 100

106 31.7 24.6 37.0



#68

m/p-Xylenes

Concen: 107.354 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064059.D

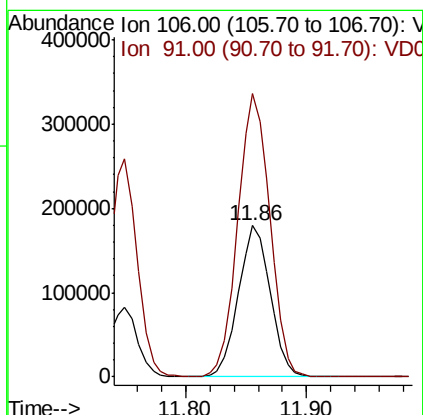
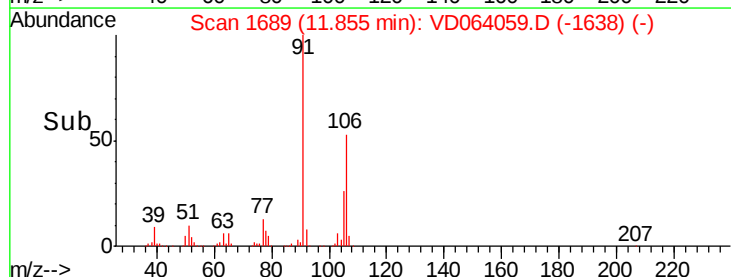
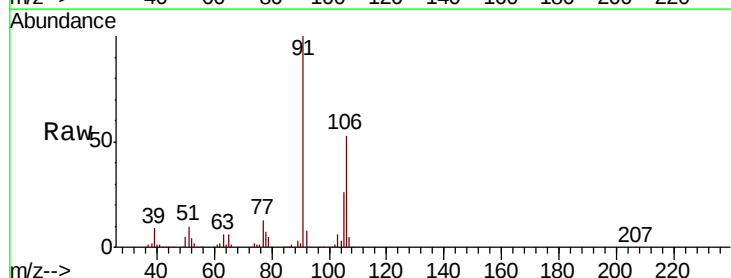
Acq: 24 Oct 2019 21:32

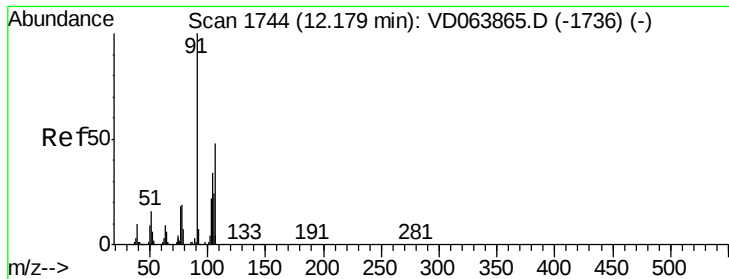
Tgt Ion: 106 Resp: 330069

Ion Ratio Lower Upper

106 100

91 189.2 154.8 232.2

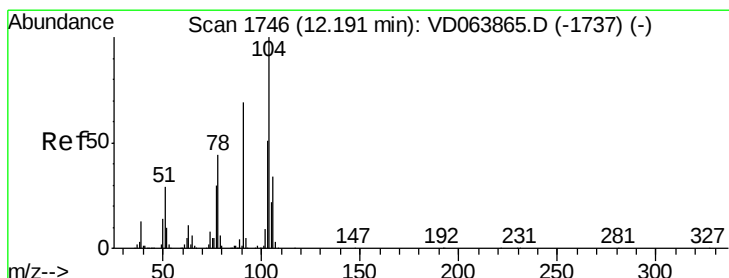
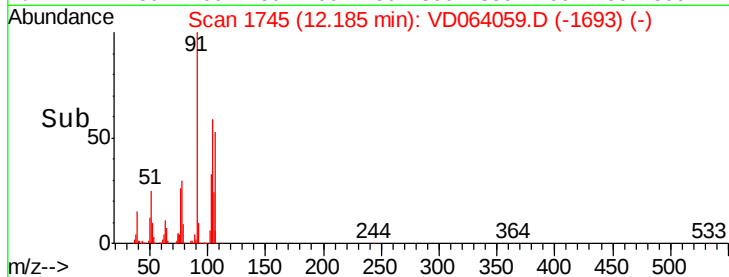
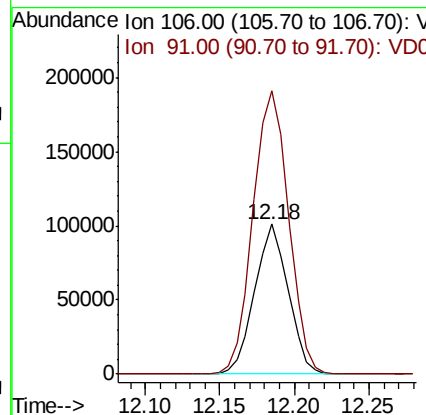
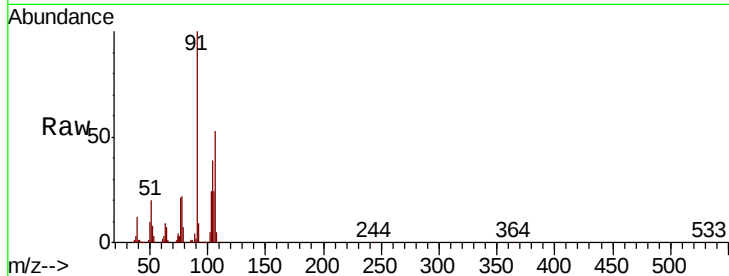




#69
o-Xylene
Concen: 53.471 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

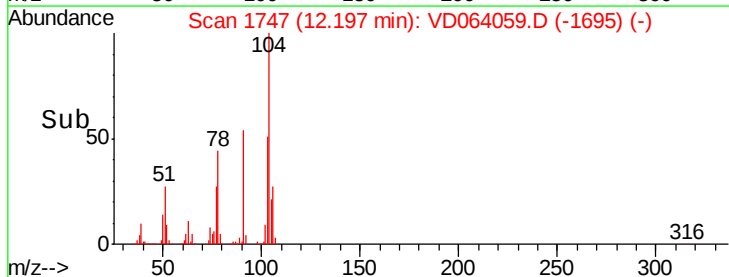
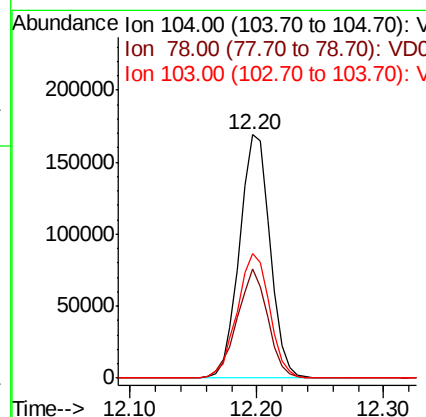
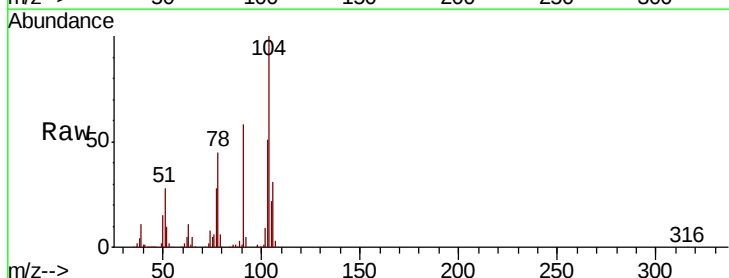
Instrument :
MSVOA_D
ClientSampled :

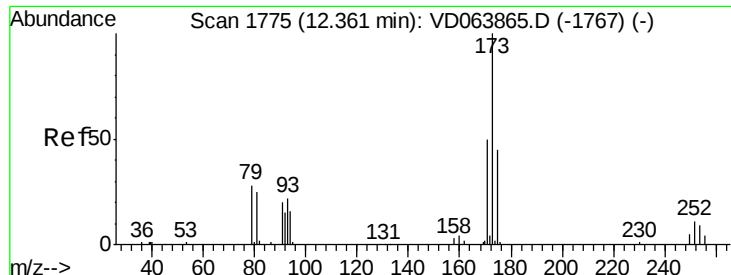
Tot Ion:106 Resp: 157421
Ion Ratio Lower Upper
106 100
91 200.6 103.9 311.7



#70
Styrene
Concen: 56.341 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion:104 Resp: 280795
Ion Ratio Lower Upper
104 100
78 45.1 37.0 55.4
103 54.6 44.2 66.4





#71

Bromoform

Concen: 61.715 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

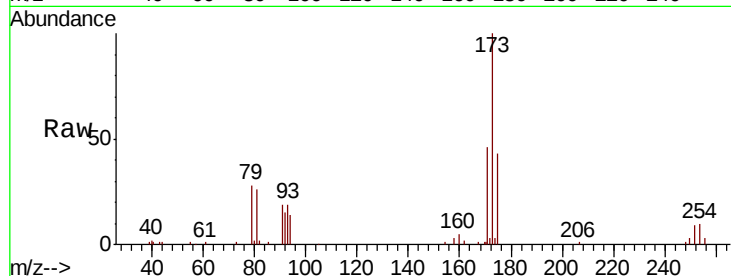
Tot Ion:173 Resp: 53913

Ion Ratio Lower Upper

173 100

175 47.7 24.6 74.0

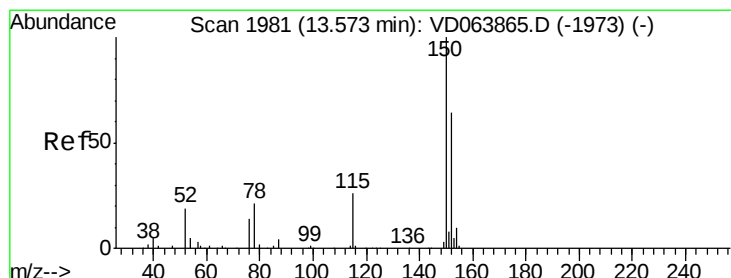
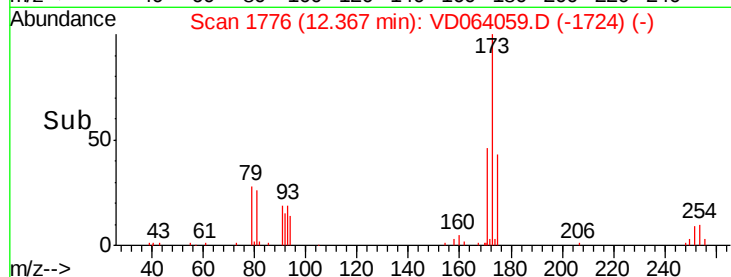
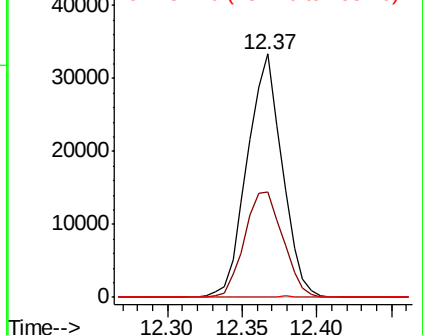
254 0.1 0.0 0.0#



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: VD064059.D

Acq: 24 Oct 2019 21:32

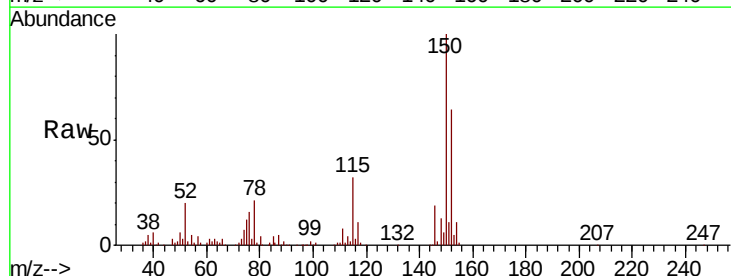
Tgt Ion:152 Resp: 128819

Ion Ratio Lower Upper

152 100

115 54.3 25.9 77.7

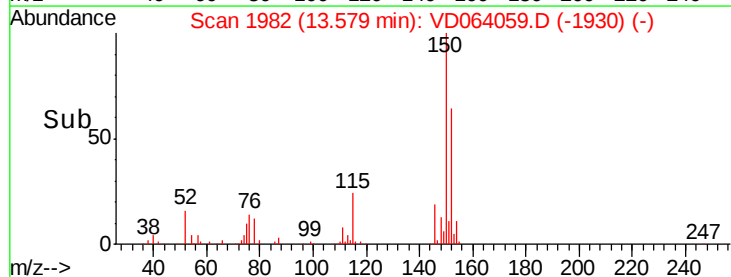
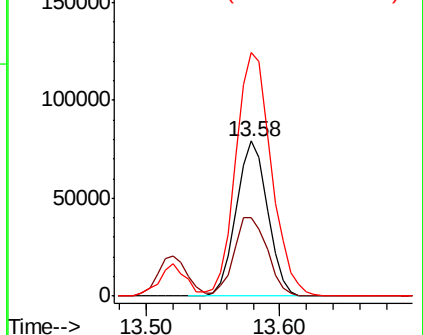
150 178.0 0.0 344.2

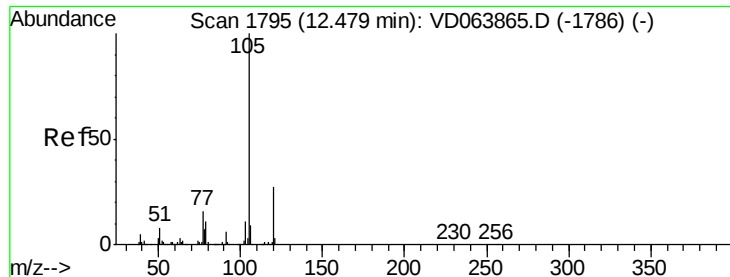


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.080 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Instrument :

MSVOA_D

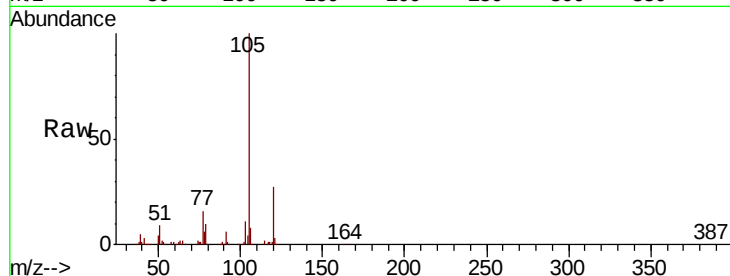
ClientSampleId :

Tot Ion:105 Resp: 407704

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

100000

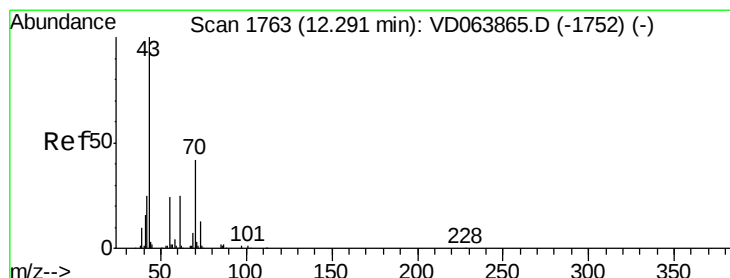
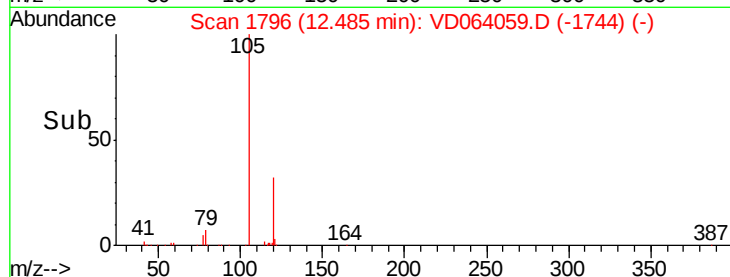
50000

0

12.40

12.48

Time-->



#74

N-ethyl acetate

Concen: 47.159 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Tgt Ion: 43 Resp: 87928

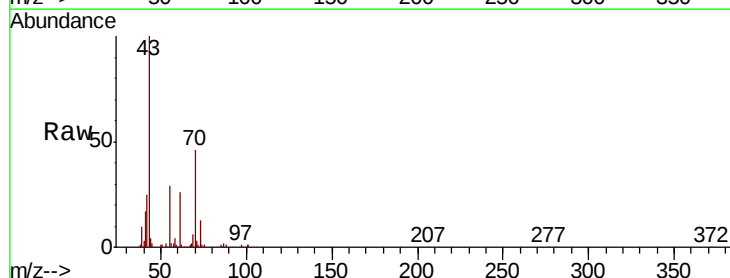
Ion Ratio Lower Upper

43 100

70 45.5 35.8 53.6

55 26.9 19.4 29.0

61 25.6 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

40000

20000

0

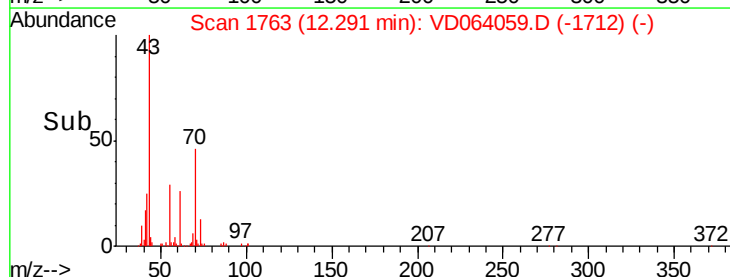
12.20

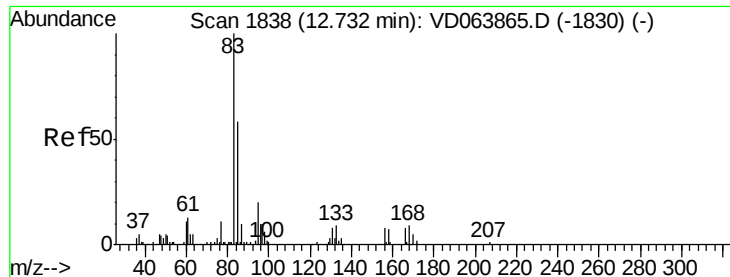
12.25

12.29

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.775 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

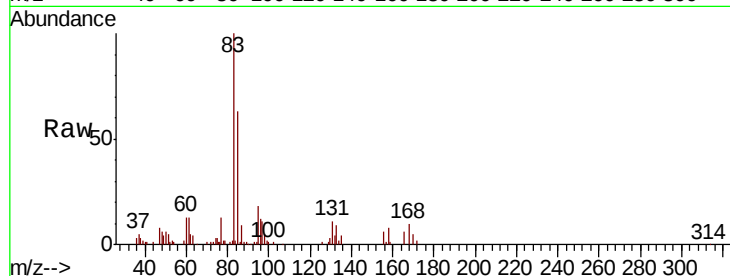
Tot Ion: 83 Resp: 78021

Ion Ratio Lower Upper

83 100

131 10.9 5.6 16.8

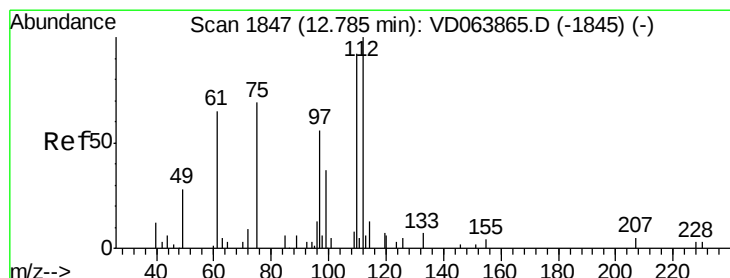
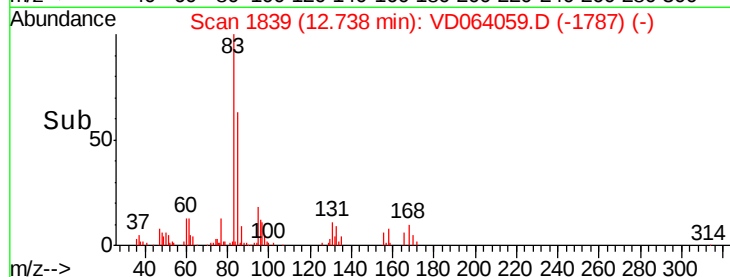
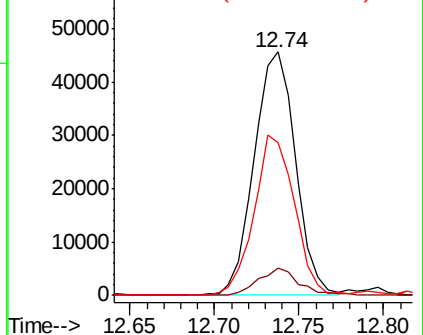
85 64.3 32.3 96.8



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: 113.895 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064059.D

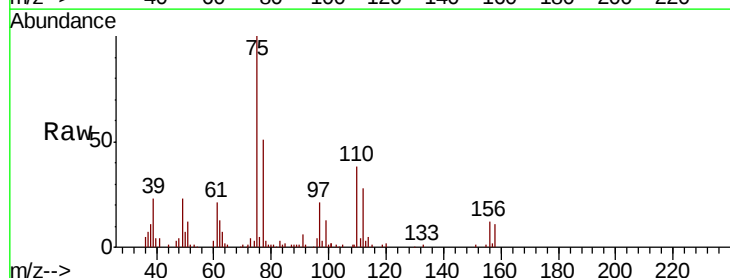
Acq: 24 Oct 2019 21:32

Tgt Ion: 75 Resp: 98268

Ion Ratio Lower Upper

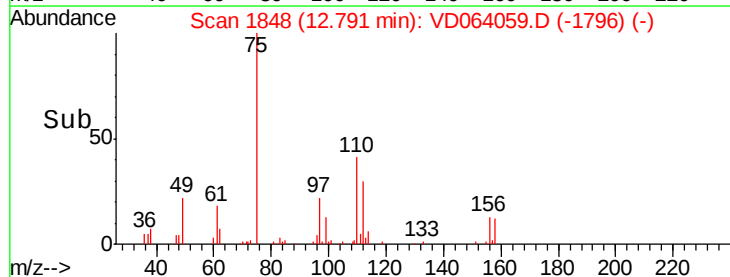
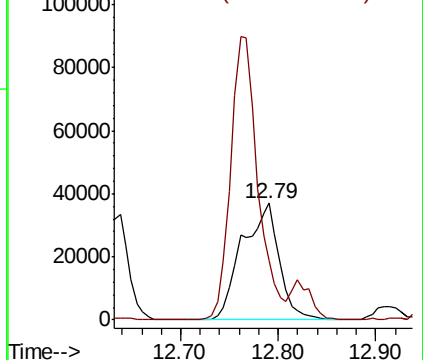
75 100

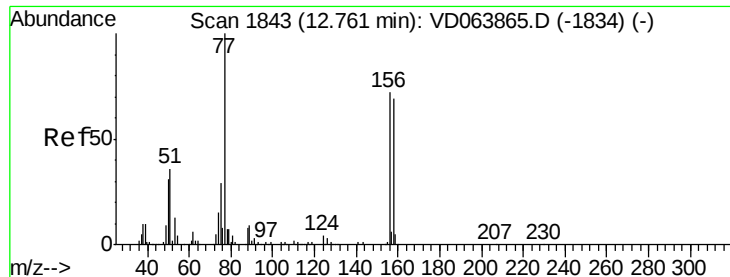
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.261 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

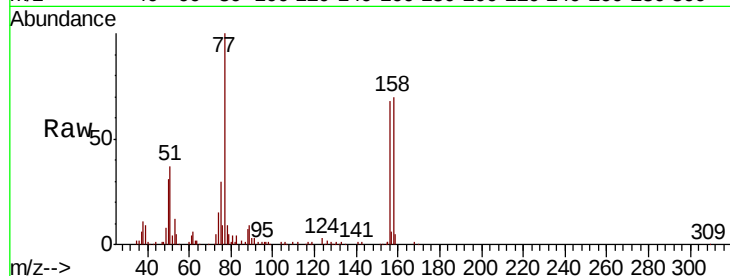
Tot Ion:156 Resp: 110598

Ion Ratio Lower Upper

156 100

77 158.2 80.3 241.0

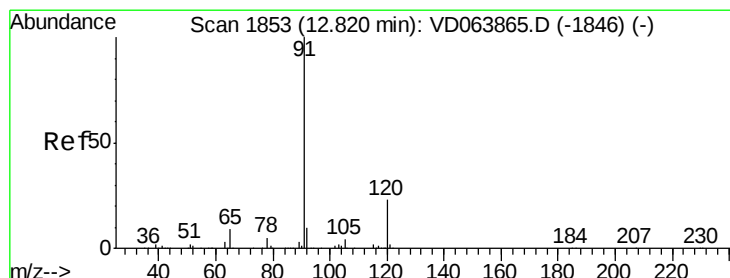
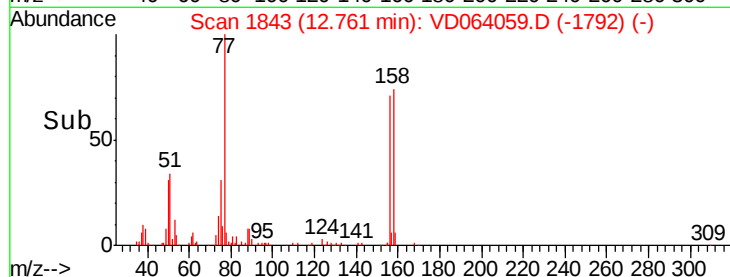
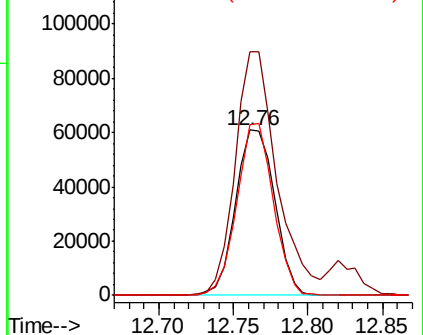
158 97.1 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.255 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD064059.D

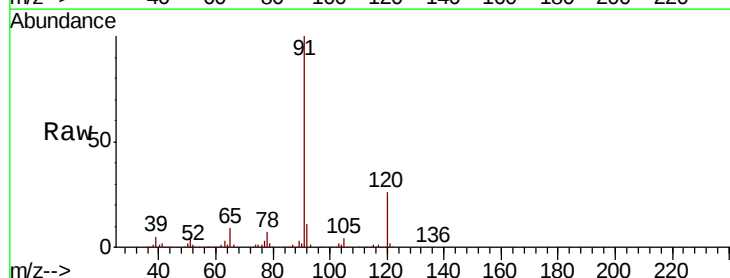
Acq: 24 Oct 2019 21:32

Tgt Ion: 91 Resp: 490508

Ion Ratio Lower Upper

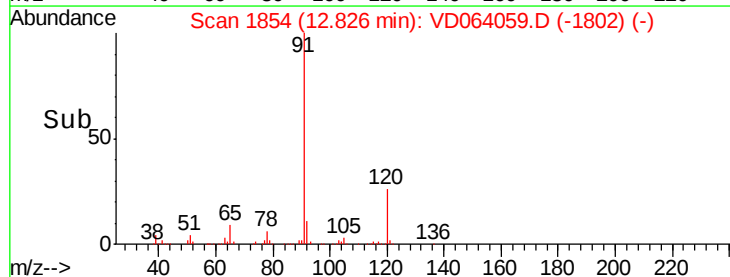
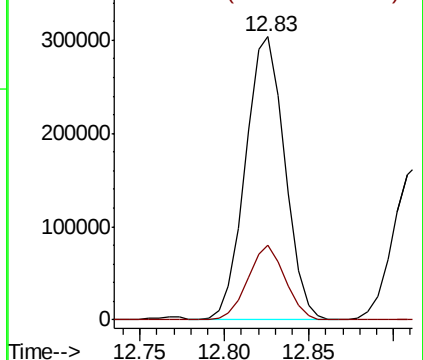
91 100

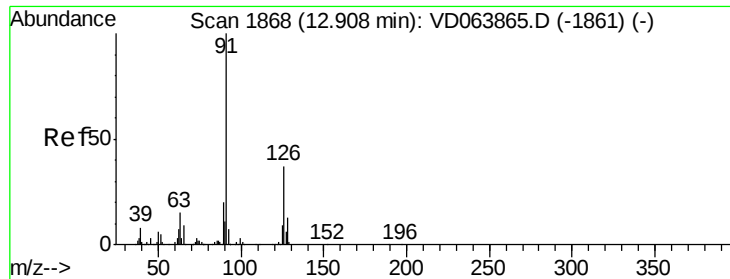
120 25.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

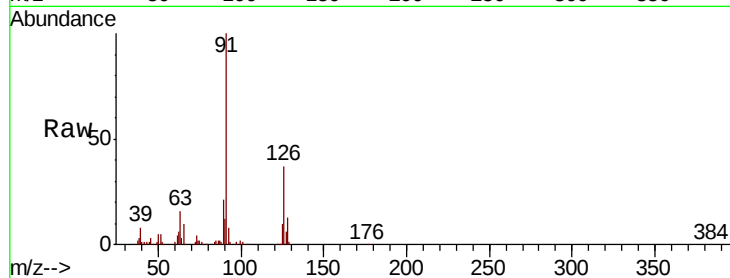




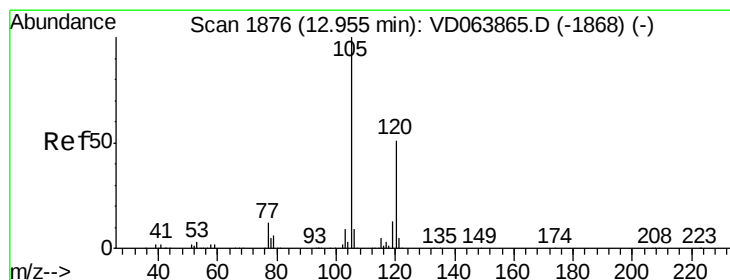
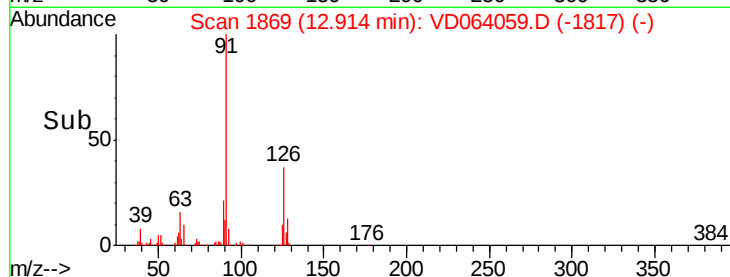
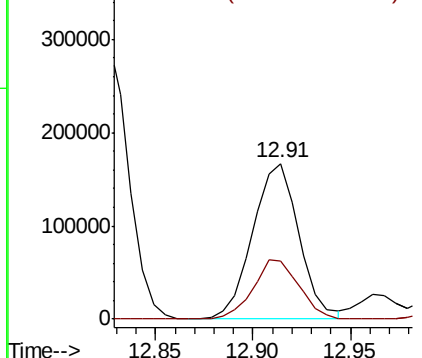
#79
2-Chlorotoluene
Concen: 48.794 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 273484
Ion Ratio Lower Upper
91 100
126 37.9 18.4 55.2

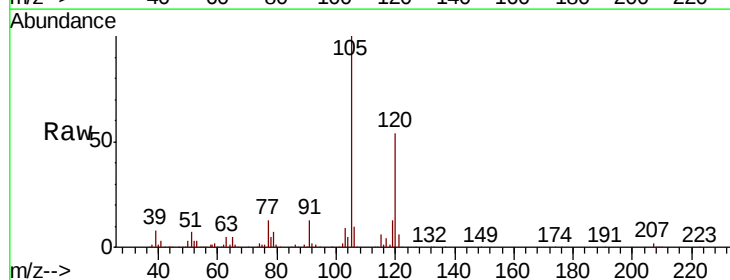


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.90 (125.60 to 126.60): V

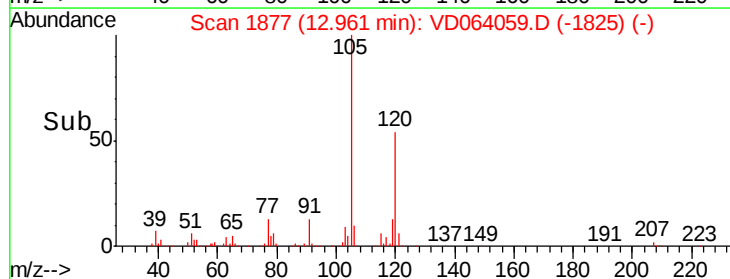
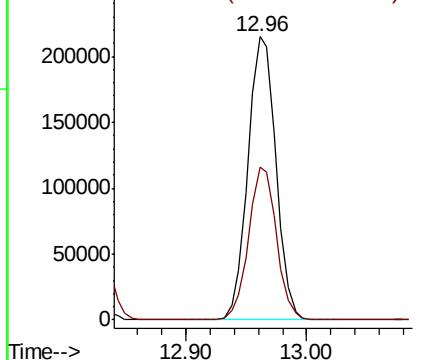


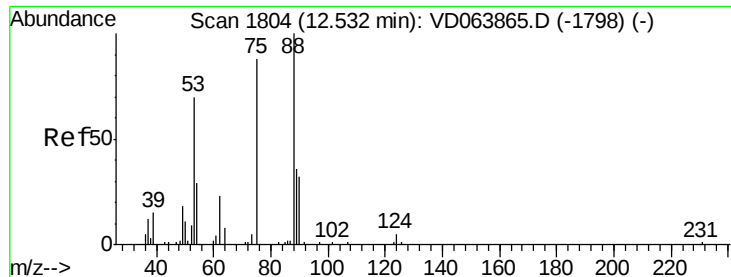
#80
1,3,5-Trimethylbenzene
Concen: 48.219 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion: 105 Resp: 348366
Ion Ratio Lower Upper
105 100
120 53.5 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

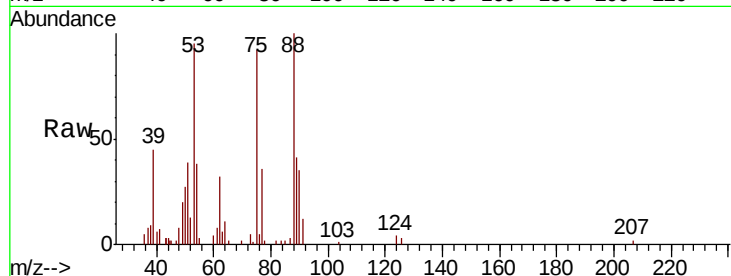




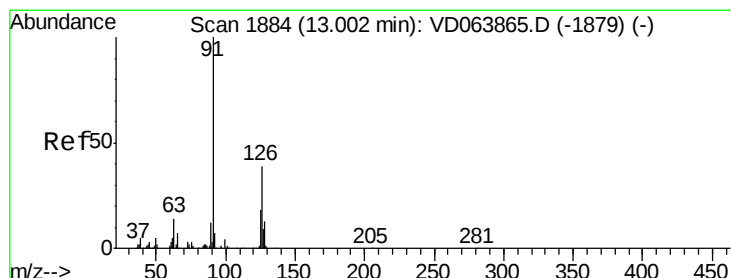
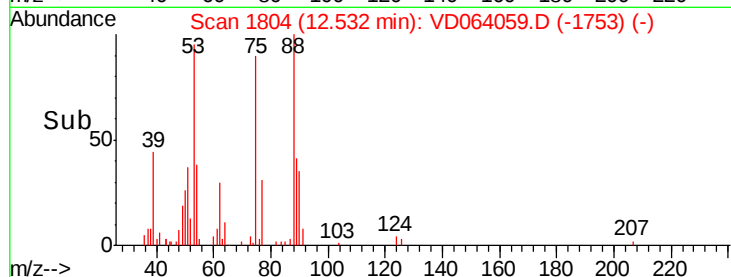
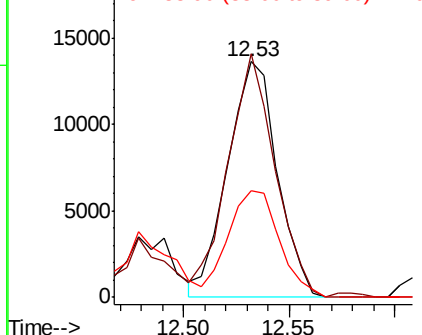
#81
trans-1,4-Dichloro-2-butene
Concen: 45.567 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 22217
Ion Ratio Lower Upper
75 100
53 98.2 75.0 112.6
89 46.7 38.2 57.4

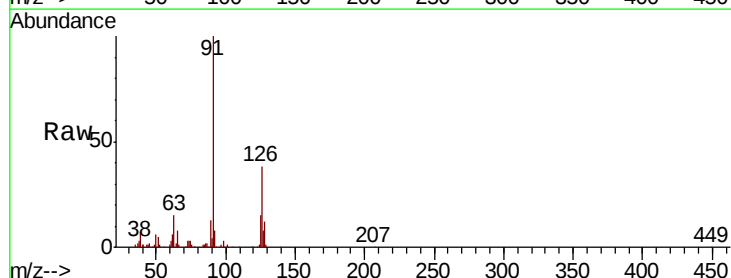


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC

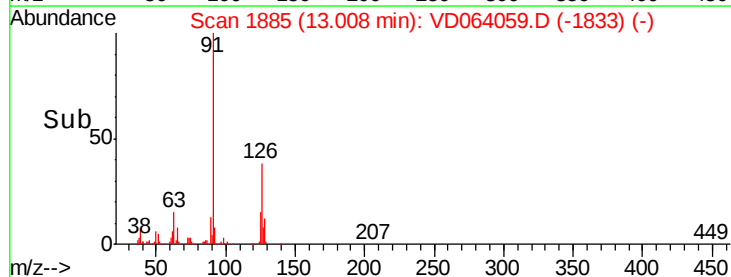
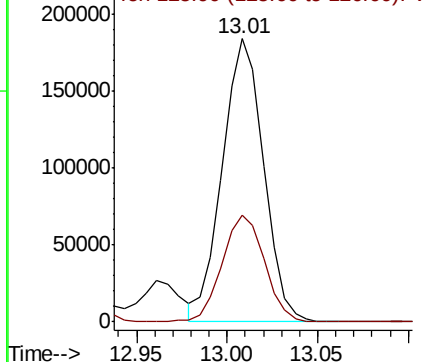


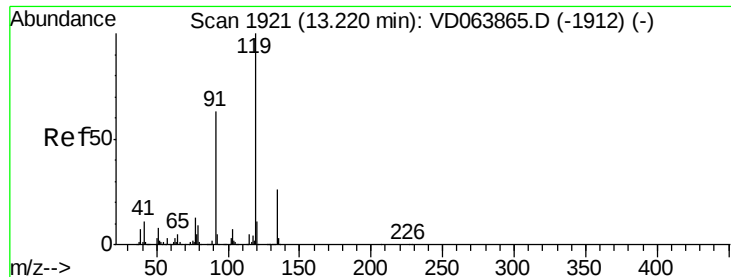
#82
4-Chlorotoluene
Concen: 48.865 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion: 91 Resp: 290536
Ion Ratio Lower Upper
91 100
126 38.9 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

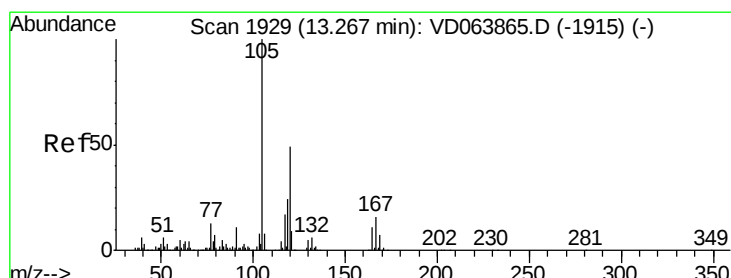
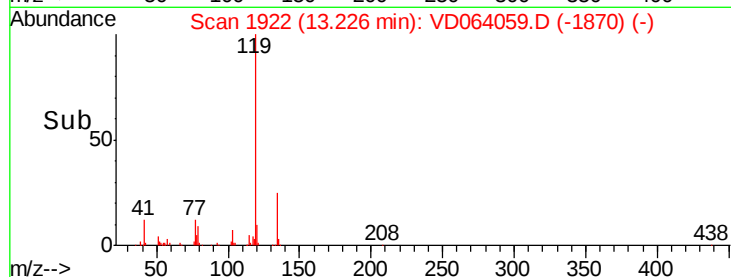
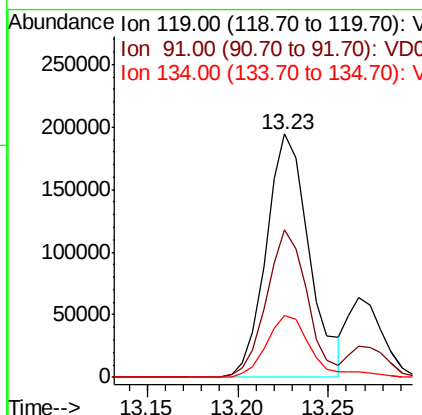
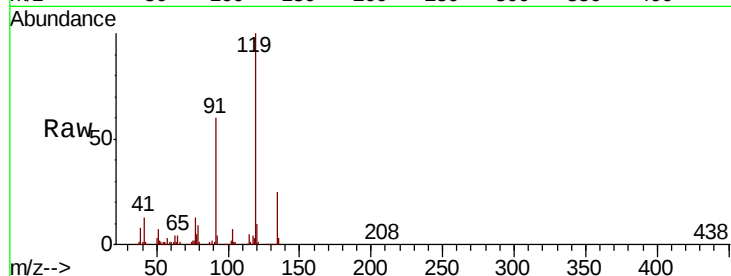




#83
tert-Butylbenzene
Concen: 49.867 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

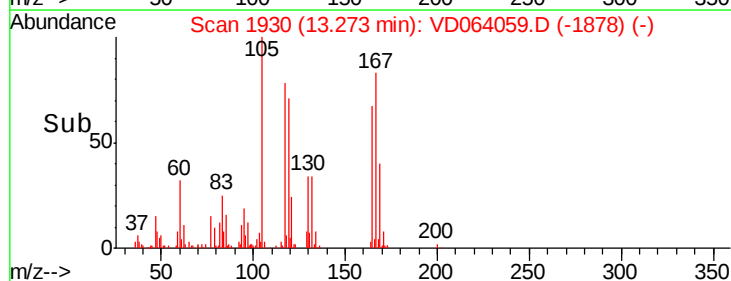
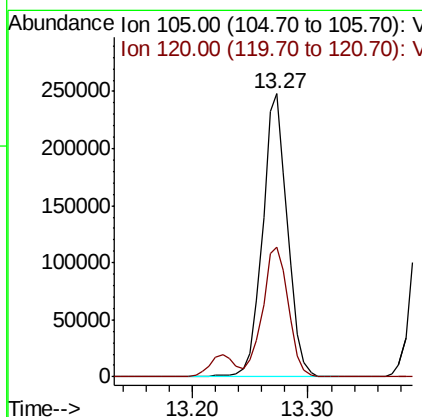
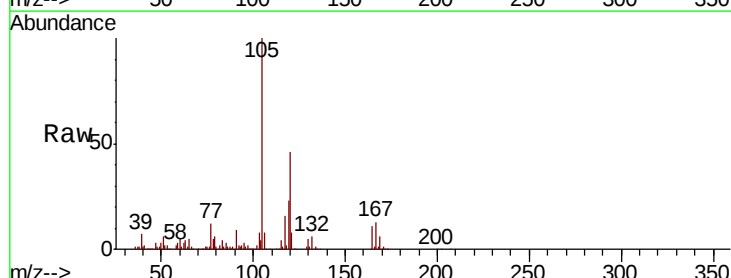
Instrument :
MSVOA_D
ClientSampleId :

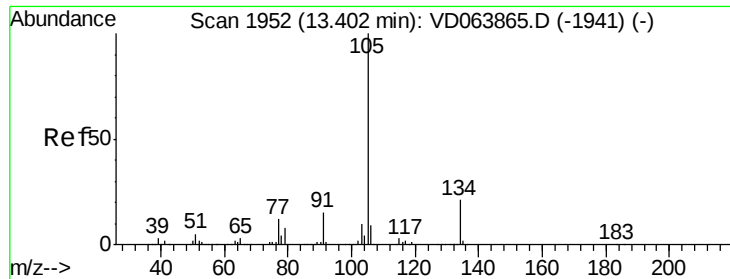
Tot Ion	Ratio	Lower	Upper
119	100		
91	57.4	30.0	90.0
134	26.9	13.0	38.9



#84
1,2,4-Trimethylbenzene
Concen: 49.898 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.8	71.5





#85

sec-Butylbenzene

Concen: 48.800 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Instrument :

MSVOA_D

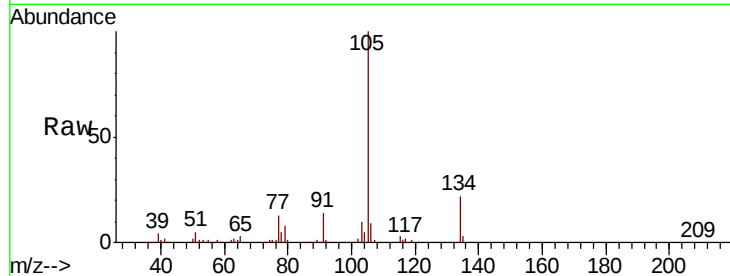
ClientSampleId :

Tot Ion:105 Resp: 423744

Ion Ratio Lower Upper

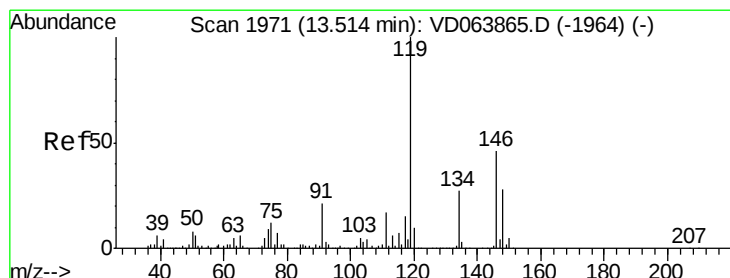
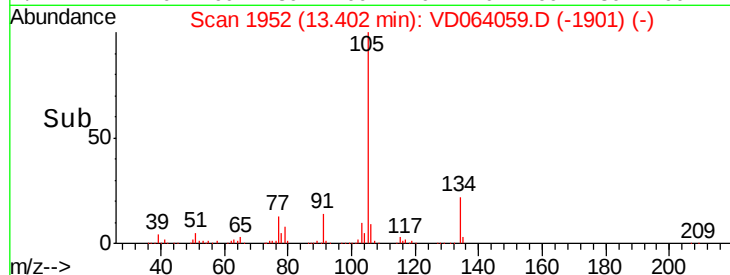
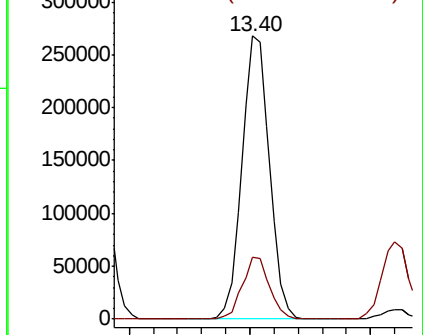
105 100

134 21.7 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.460 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

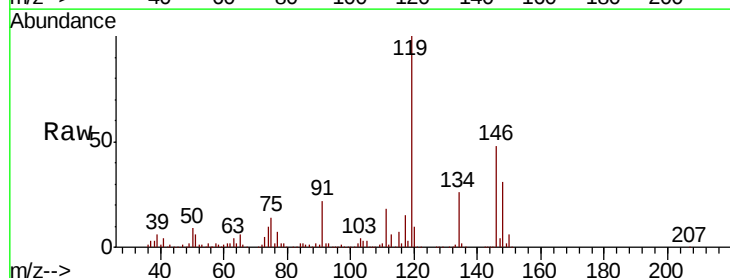
Tgt Ion:119 Resp: 422832

Ion Ratio Lower Upper

119 100

134 26.9 13.9 41.6

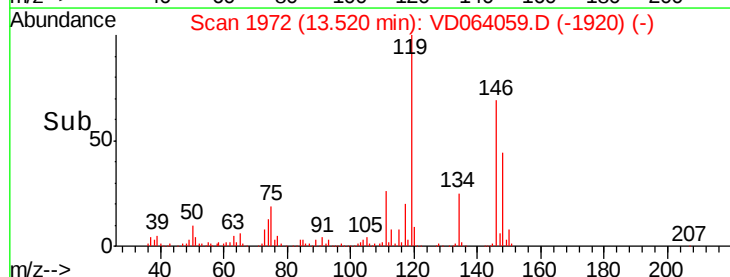
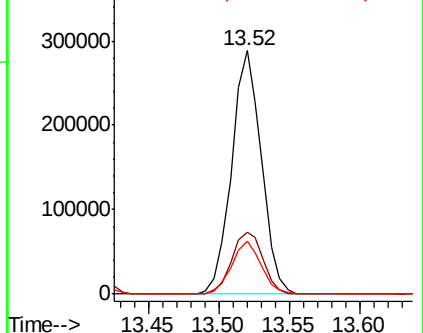
91 21.6 11.2 33.5

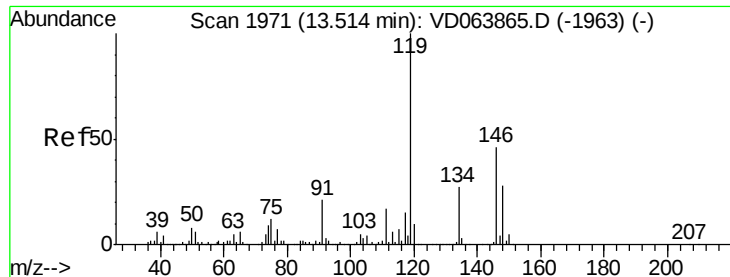


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.119 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

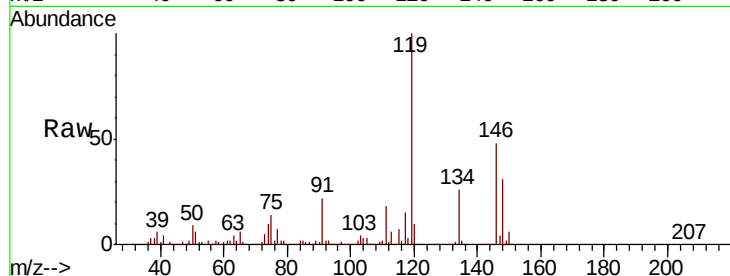
Tot Ion:146 Resp: 222186

Ion Ratio Lower Upper

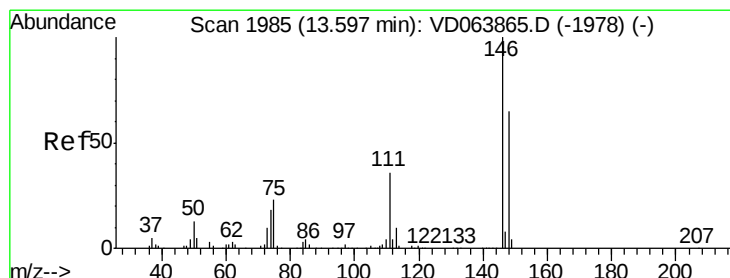
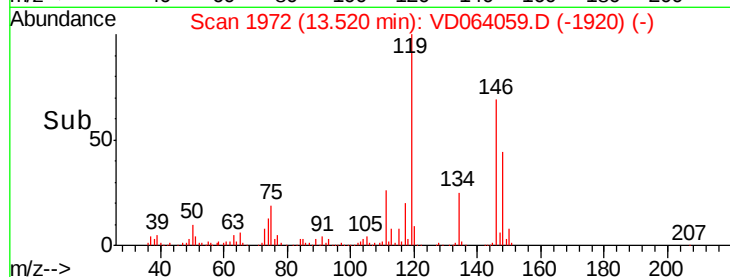
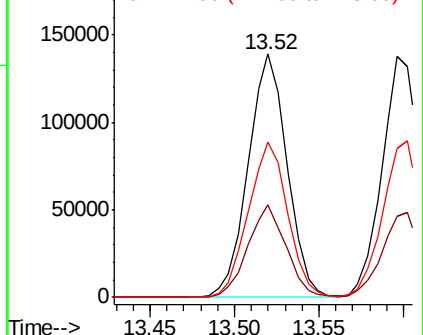
146 100

111 37.0 18.3 54.9

148 64.6 31.8 95.4



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



#88

1,4-Dichlorobenzene

Concen: 52.708 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VD064059.D

Acq: 24 Oct 2019 21:32

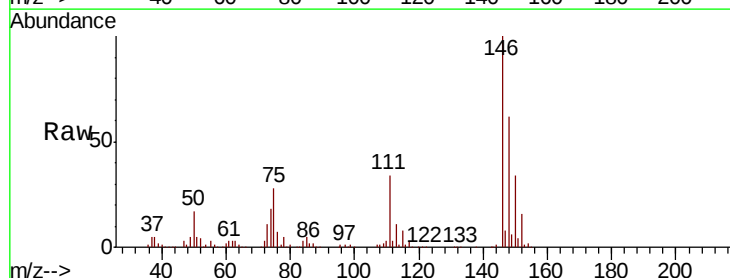
Tgt Ion:146 Resp: 221674

Ion Ratio Lower Upper

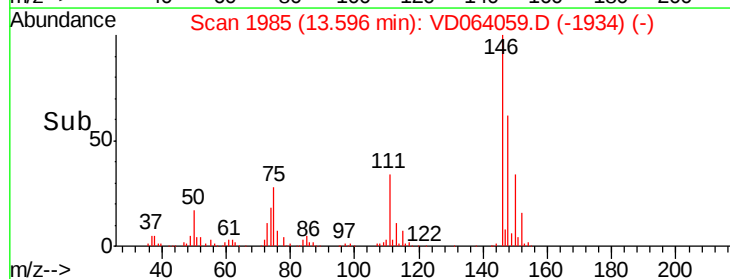
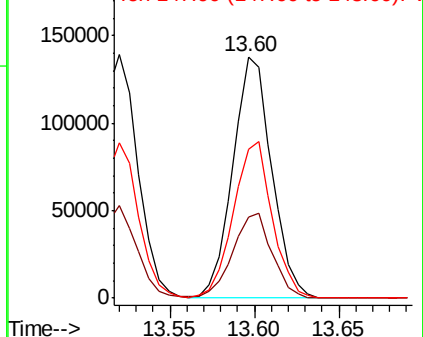
146 100

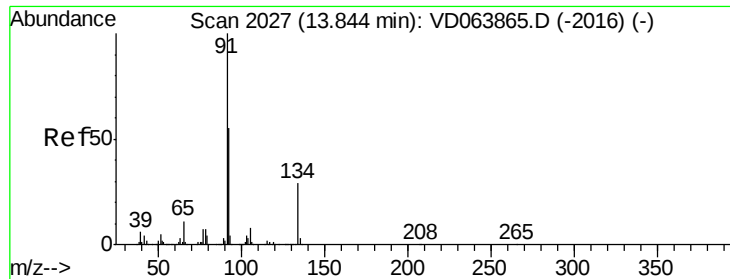
111 35.8 18.6 56.0

148 64.4 32.6 98.0



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

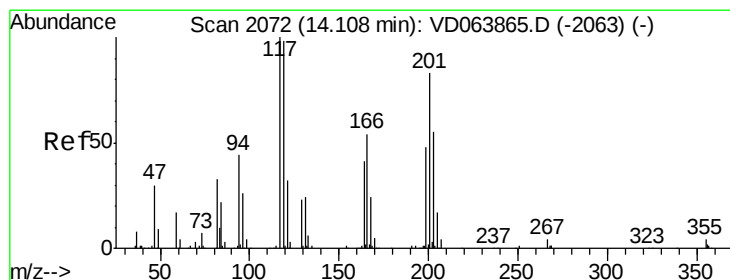
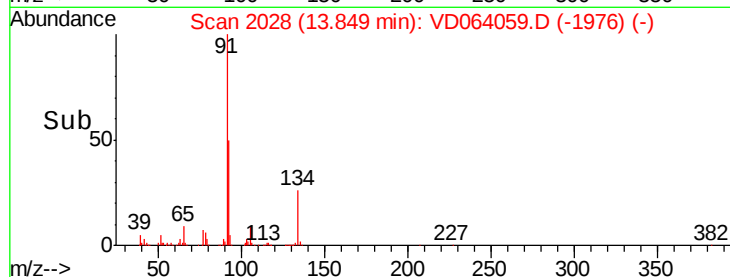
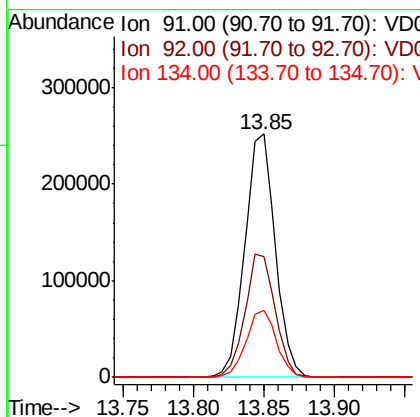
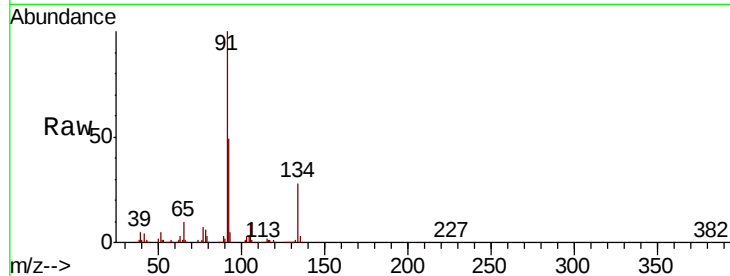




#89
n-Butylbenzene
Concen: 49.593 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

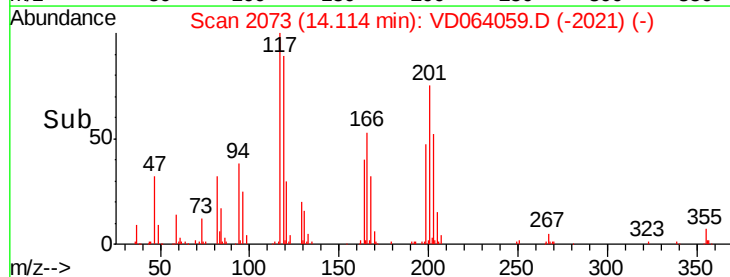
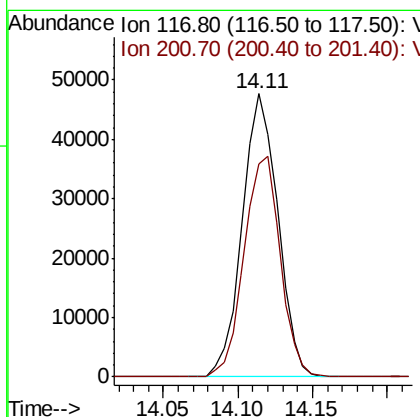
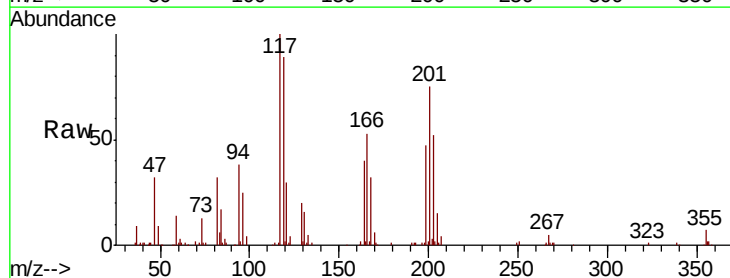
Instrument :
MSVOA_D
ClientSampleId :

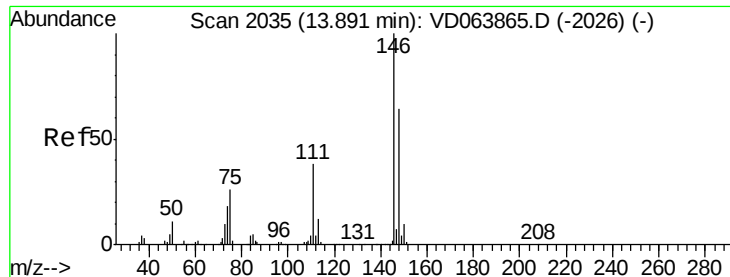
Tot Ion: 91 Resp: 379301
Ion Ratio Lower Upper
91 100
92 50.2 26.8 80.3
134 27.5 14.4 43.0



#90
Hexachloroethane
Concen: 53.247 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion: 117 Resp: 78690
Ion Ratio Lower Upper
117 100
201 79.1 40.6 121.7

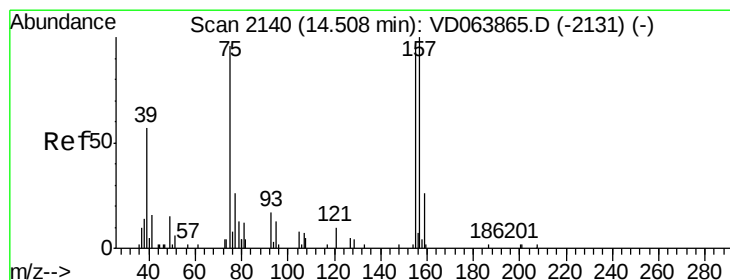
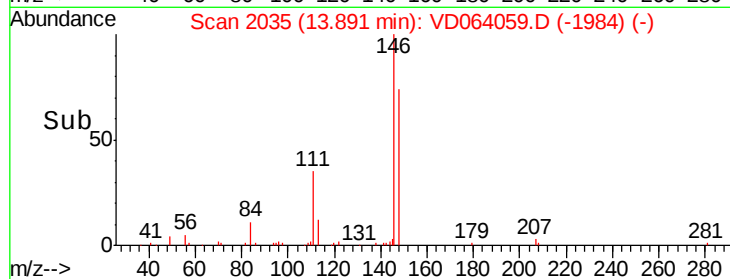
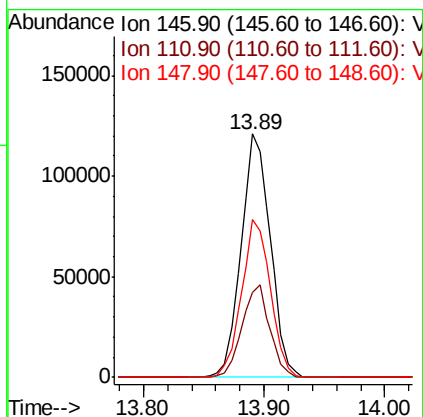
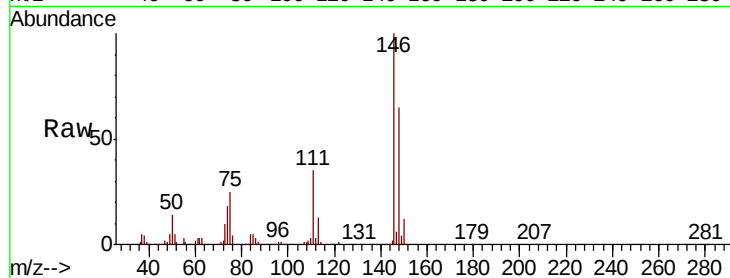




#91
 1,2-Dichlorobenzene
 Concen: 55.510 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD064059.D
 Acq: 24 Oct 2019 21:32

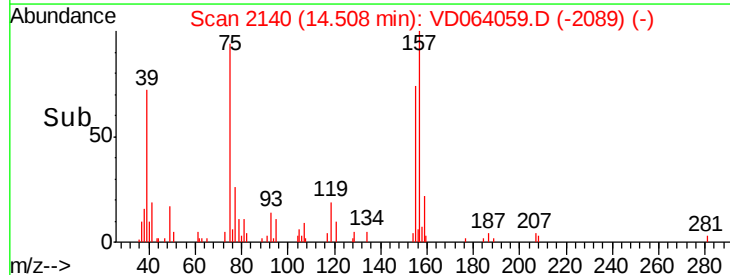
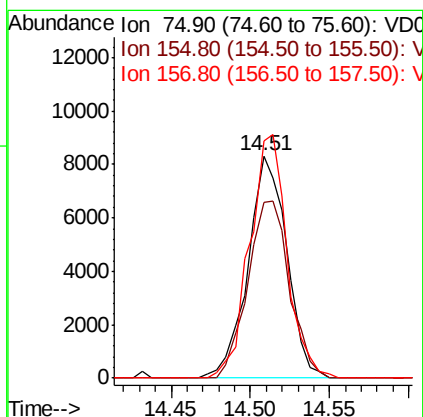
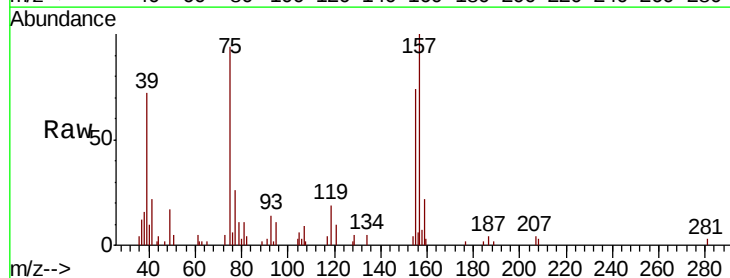
Instrument :
 MSVOA_D
 ClientSampleId :

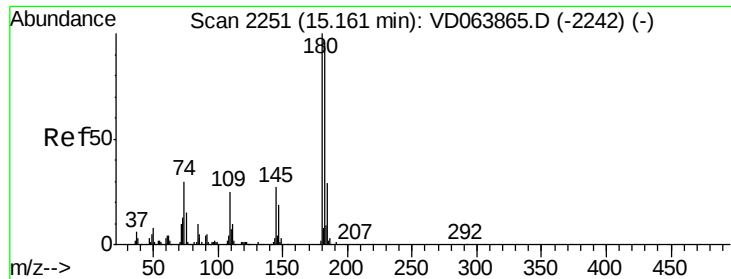
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.6	55.6
148	64.0	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.042 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD064059.D
 Acq: 24 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	43.9	131.6
157	105.9	56.0	167.9

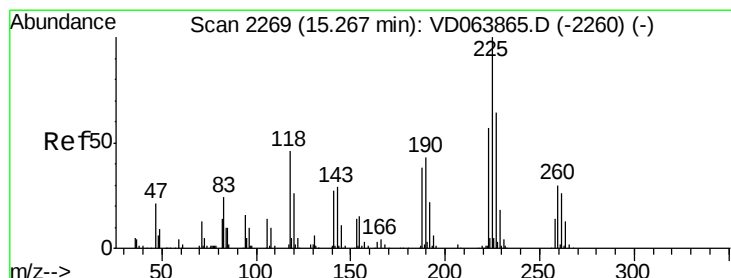
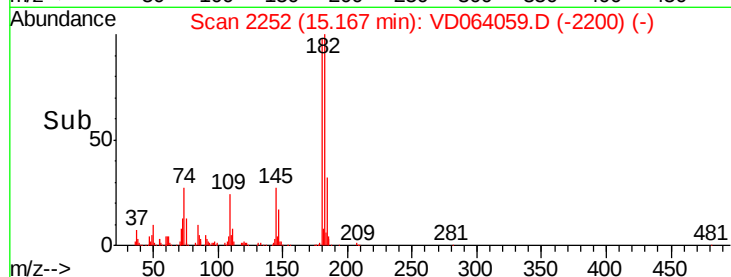
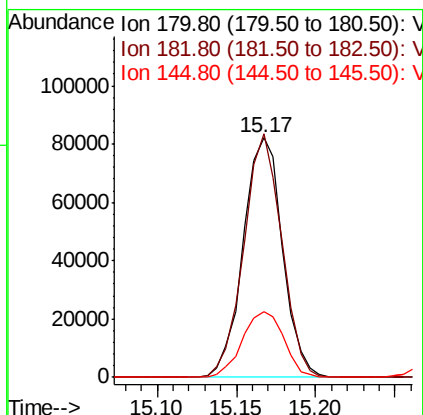
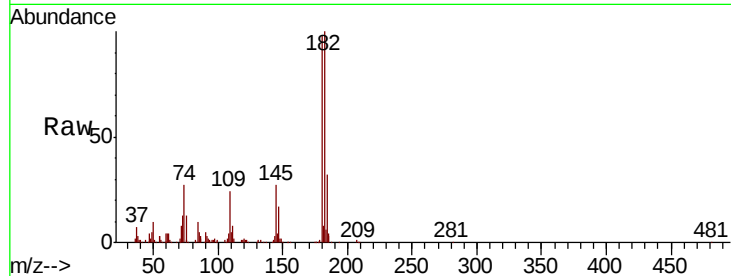




#93
 1,2,4-Trichlorobenzene
 Concen: 49.907 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064059.D
 Acq: 24 Oct 2019 21:32

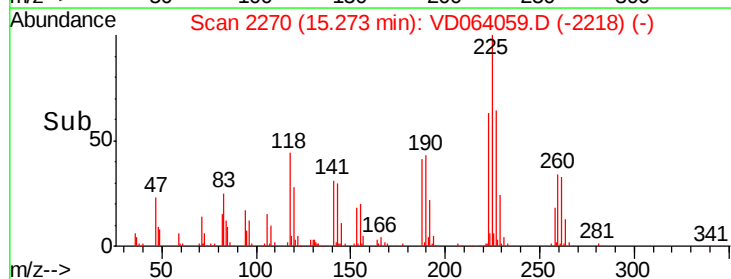
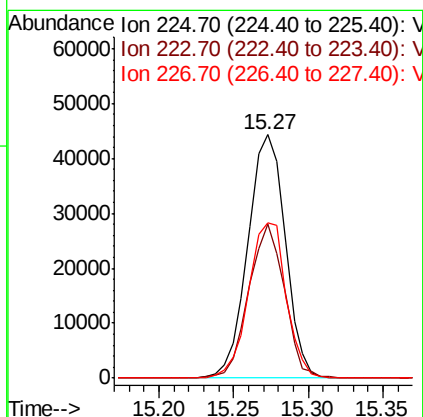
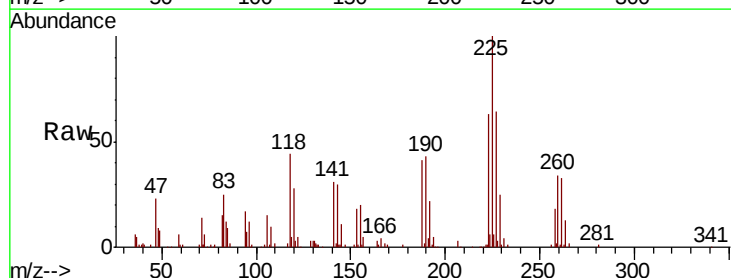
Instrument :
 MSVOA_D
 ClientSampleId :

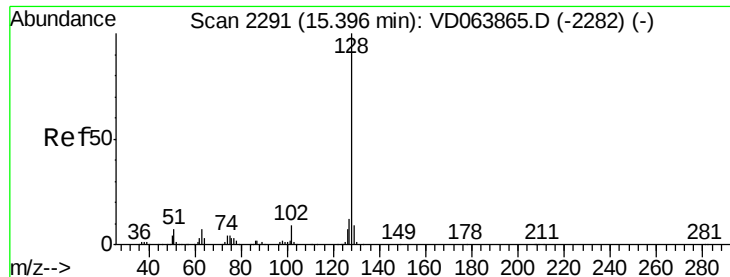
Tot Ion:180 Resp: 141474
 Ion Ratio Lower Upper
 180 100
 182 98.3 47.4 142.3
 145 29.0 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 49.035 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064059.D
 Acq: 24 Oct 2019 21:32

Tgt Ion:225 Resp: 76706
 Ion Ratio Lower Upper
 225 100
 223 60.4 29.5 88.6
 227 64.4 30.8 92.4

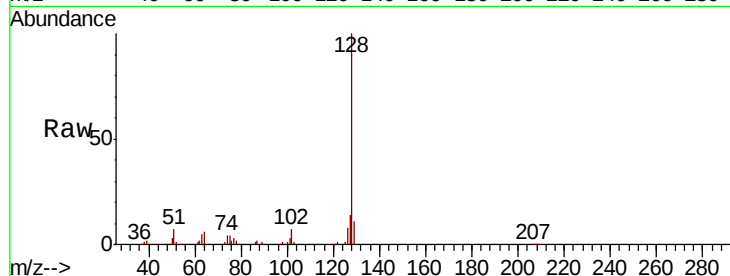




#95
Naphthalene
Concen: 55.746 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	11.3	8.6	13.0



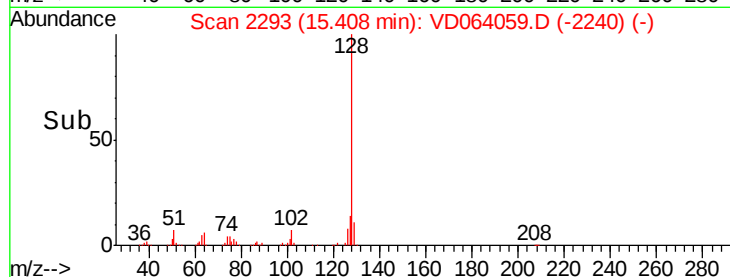
Abundance

Ion 128.00 (127.70 to 128.70): V

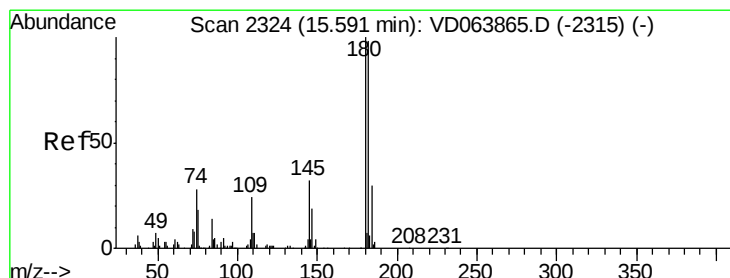
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.41

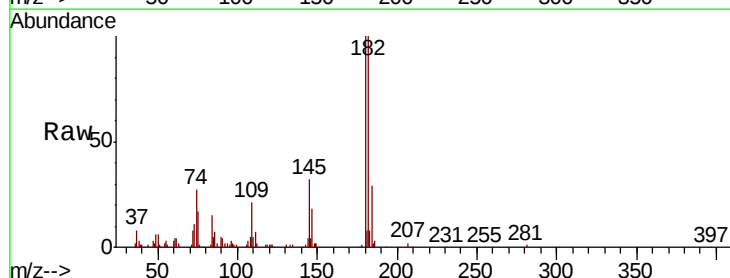


Time--> 15.30 15.40



#96
1,2,3-Trichlorobenzene
Concen: 54.285 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD064059.D
Acq: 24 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.0	141.0
145	29.2	15.3	45.9



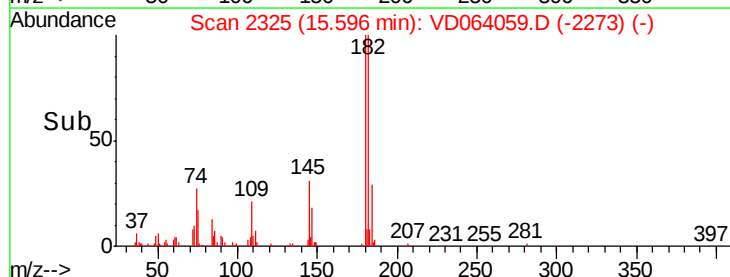
Abundance

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

15.60



Time--> 15.50 15.55 15.60 15.65