

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064063.D
 Acq On : 25 Oct 2019 14:13
 Operator : VA/SY
 Sample : VD1025SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:03:34 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	141481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	225002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	233589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	129597	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	71077	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
35) Dibromofluoromethane	7.92	113	73328	53.33	ug/l	0.00
Spiked Amount			Recovery	=	106.66%	
50) Toluene-d8	10.34	98	309259	55.41	ug/l	0.00
Spiked Amount			Recovery	=	110.82%	
62) 4-Bromofluorobenzene	12.64	95	105674	54.49	ug/l	0.00
Spiked Amount			Recovery	=	108.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	20500	20.432	ug/l	98
3) Chloromethane	2.21	50	68668	22.968	ug/l	94
4) Vinyl Chloride	2.35	62	82409	25.413	ug/l	97
5) Bromomethane	2.76	94	51389	24.649	ug/l	90
6) Chloroethane	2.93	64	56542	26.365	ug/l	93
7) Trichlorofluoromethane	3.27	101	117399	27.382	ug/l	91
8) Diethyl Ether	3.71	74	13988	20.326	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.09	101	27475	23.150	ug/l	92
10) Methyl Iodide	4.30	142	26709	16.332	ug/l	96
11) Tert butyl alcohol	5.23	59	1588	8.859	ug/l #	24
12) 1,1-Dichloroethene	4.06	96	24559	20.712	ug/l #	76
13) Acrolein	3.93	56	9164	74.490	ug/l	95
14) Allyl chloride	4.71	41	45377	23.018	ug/l	91
15) Acrylonitrile	5.43	53	36214	119.358	ug/l	97
16) Acetone	4.17	43	36562	101.952	ug/l	93
17) Carbon Disulfide	4.39	76	76364	17.717	ug/l #	93
18) Methyl Acetate	4.72	43	18542	26.435	ug/l #	49
19) Methyl tert-butyl Ether	5.48	73	59386	19.341	ug/l	93
20) Methylene Chloride	4.96	84	37792	22.069	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	32988	22.348	ug/l	94
22) Diisopropyl ether	6.37	45	94815	23.550	ug/l #	92
23) Vinyl Acetate	6.31	43	271038	113.164	ug/l	95
24) 1,1-Dichloroethane	6.26	63	53357	21.516	ug/l #	92
25) 2-Butanone	7.23	43	47672	112.169	ug/l	97
26) 2,2-Dichloropropane	7.21	77	48398	21.574	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	35835	21.449	ug/l	96
28) Bromochloromethane	7.56	49	18488	20.742	ug/l	89
29) Tetrahydrofuran	7.57	42	28867	116.368	ug/l	93
30) Chloroform	7.72	83	59372	22.043	ug/l	96
31) Cyclohexane	7.98	56	53357	23.943	ug/l	89
32) 1,1,1-Trichloroethane	7.91	97	49631	21.481	ug/l #	91
36) 1,1-Dichloropropene	8.11	75	49923	24.267	ug/l	97
37) Ethyl Acetate	7.30	43	21691	24.240	ug/l #	98
38) Carbon Tetrachloride	8.10	117	47557	22.876	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	59541	23.539	ug/l	92
40) Benzene	8.35	78	134797	22.864	ug/l	98
41) Methacrylonitrile	7.53	41	9256	19.406	ug/l	95
42) 1,2-Dichloroethane	8.43	62	38110	22.347	ug/l	99
43) Isopropyl Acetate	8.46	43	36224	20.996	ug/l	99
44) Trichloroethene	9.11	130	37898	22.293	ug/l	93
45) 1,2-Dichloropropane	9.40	63	32730	22.682	ug/l	99
46) Dibromomethane	9.48	93	18151	22.087	ug/l	97
47) Bromodichloromethane	9.67	83	44727	21.139	ug/l #	93
48) Methyl methacrylate	9.46	41	16080	19.452	ug/l	93
49) 1,4-Dioxane	9.47	88	4927	439.219	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	97568	109.043	ug/l	99
52) Toluene	10.41	92	94741	23.410	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	44240	21.427	ug/l #	84
54) cis-1,3-Dichloropropene	10.09	75	50483	21.241	ug/l	93
55) 1,1,2-Trichloroethane	10.81	97	28223	24.323	ug/l	96
56) Ethyl methacrylate	10.66	69	29690	20.205	ug/l	97
57) 1,3-Dichloropropane	10.95	76	47984	24.169	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	64358	101.894	ug/l	97
59) 2-Hexanone	10.99	43	72677	112.286	ug/l	99
60) Dibromochloromethane	11.15	129	33004	21.847	ug/l	96
61) 1,2-Dibromoethane	11.25	107	27285	24.255	ug/l	94
64) Tetrachloroethene	10.88	164	34471	21.617	ug/l	95
65) Chlorobenzene	11.68	112	106980	22.805	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	38553	22.304	ug/l	95
67) Ethyl Benzene	11.75	91	191452	22.633	ug/l	97
68) m/p-Xylenes	11.86	106	147939	45.311	ug/l	96
69) o-Xylene	12.18	106	66577	21.295	ug/l	99
70) Styrene	12.20	104	119166	22.516	ug/l	97
71) Bromoform	12.37	173	20897	22.526	ug/l #	97
73) Isopropylbenzene	12.48	105	186006	21.350	ug/l	96
74) N-amyl acetate	12.30	43	35745	19.056	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	32311	21.313	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	37214	42.873	ug/l #	100
77) Bromobenzene	12.77	156	44580	20.538	ug/l	96
78) n-propylbenzene	12.83	91	226265	22.126	ug/l	97
79) 2-Chlorotoluene	12.91	91	118550	21.024	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	152943	21.042	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	8859	18.061	ug/l	87
82) 4-Chlorotoluene	13.01	91	125591	20.996	ug/l	98
83) tert-Butylbenzene	13.23	119	135598	20.962	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	157501	21.019	ug/l	100
85) sec-Butylbenzene	13.41	105	197628	22.623	ug/l	100
86) p-Isopropyltoluene	13.52	119	181852	21.999	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	94414	22.014	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	90139	21.304	ug/l	97
89) n-Butylbenzene	13.85	91	173579	22.559	ug/l	96
90) Hexachloroethane	14.12	117	32674	21.977	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	79751	21.578	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4769	18.708	ug/l	85

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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
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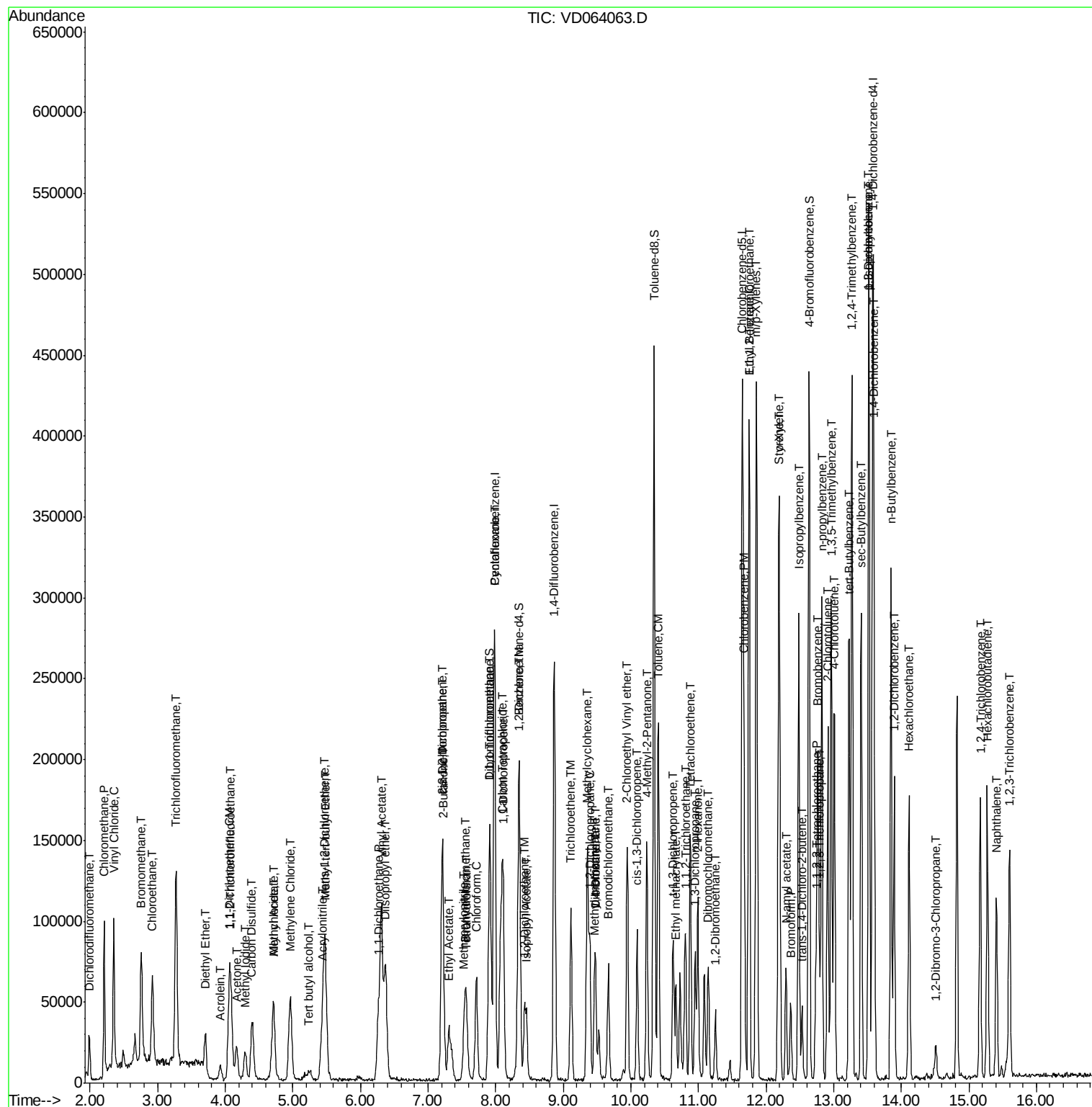
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	58183	20.402	ug/l	97
94) Hexachlorobutadiene	15.28	225	34814	22.122	ug/l	97
95) Naphthalene	15.41	128	98816	20.615	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	49049	19.934	ug/l	98

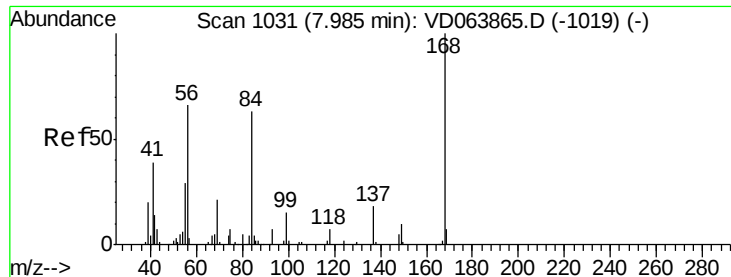
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

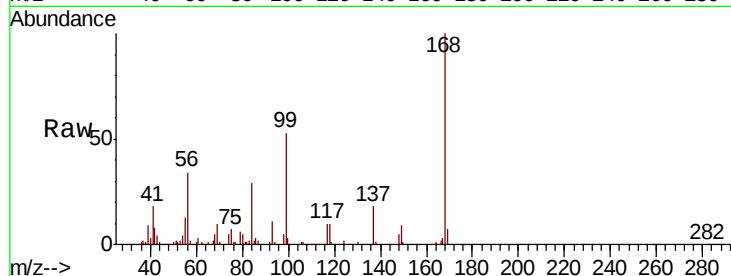
ClientSampleId :

Tot Ion:168 Resp: 141481

Ion Ratio Lower Upper

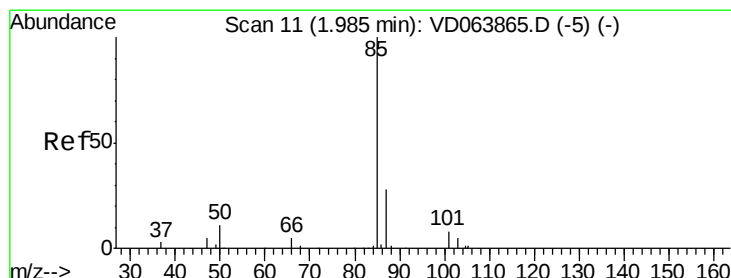
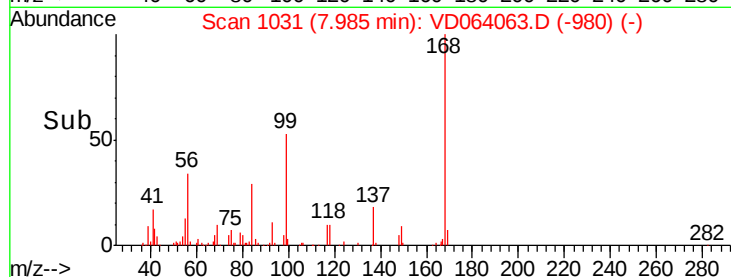
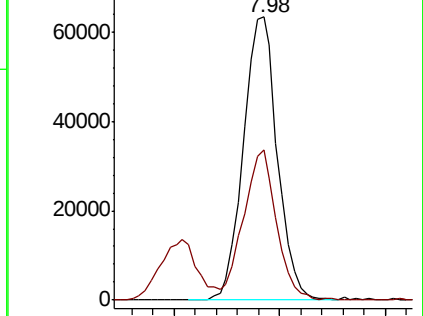
168 100

99 53.2 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: 20.432 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD064063.D

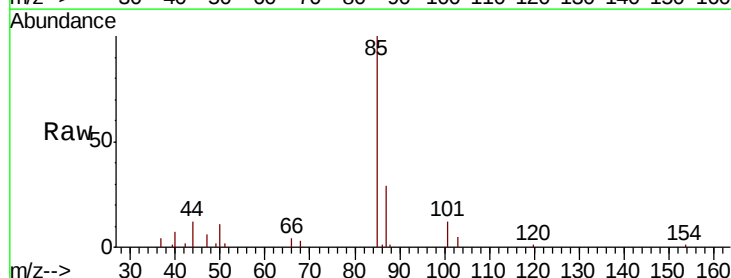
Acq: 25 Oct 2019 14:13

Tgt Ion: 85 Resp: 20500

Ion Ratio Lower Upper

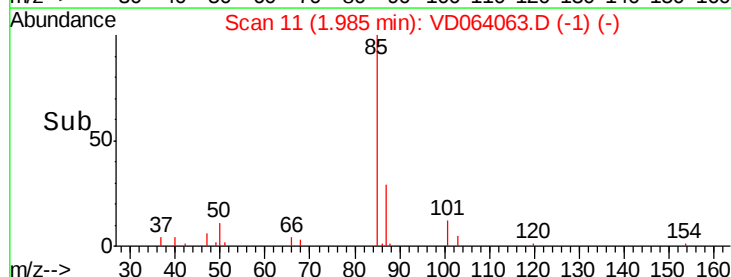
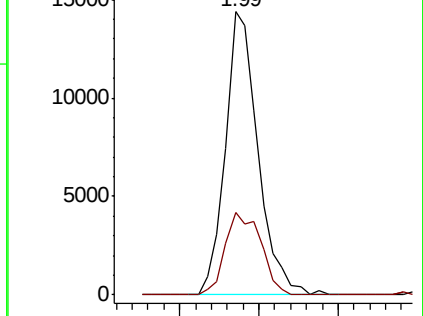
85 100

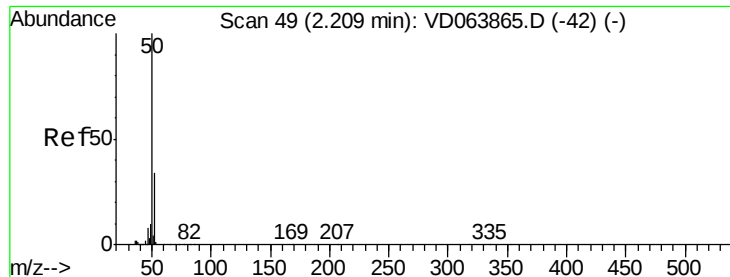
87 29.0 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

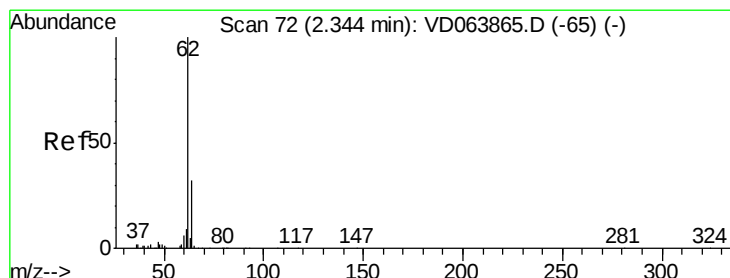
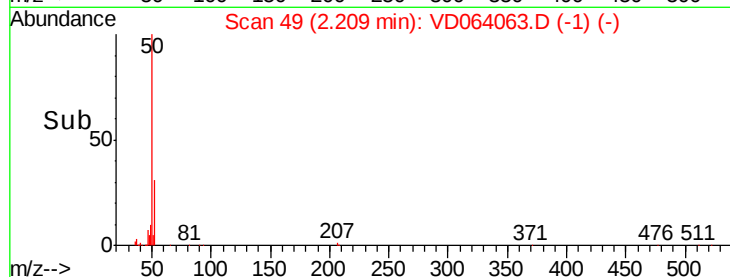
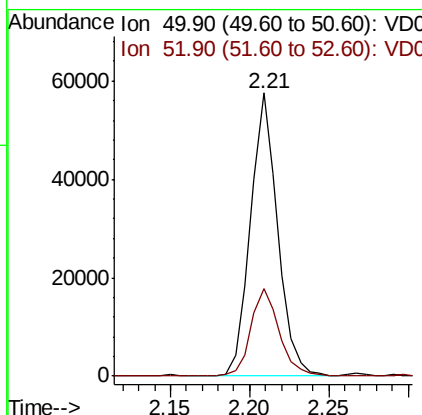
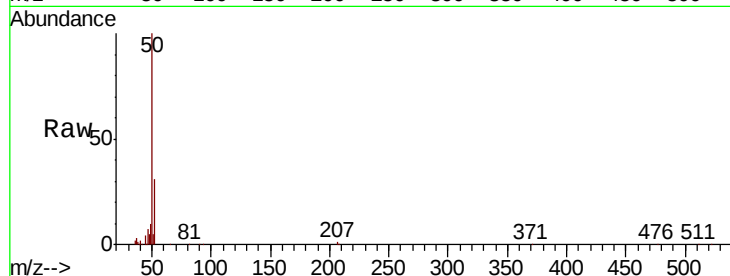




#3
Chloromethane
Concen: 22.968 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

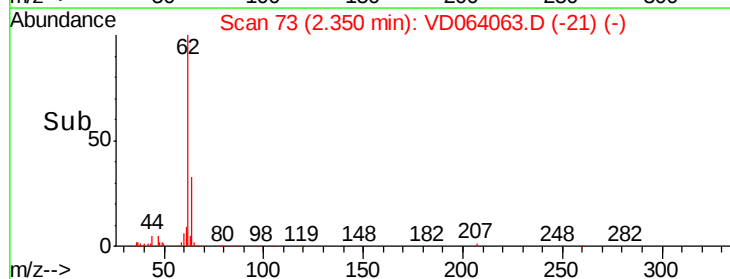
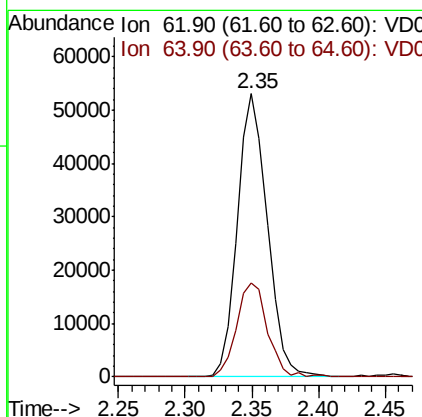
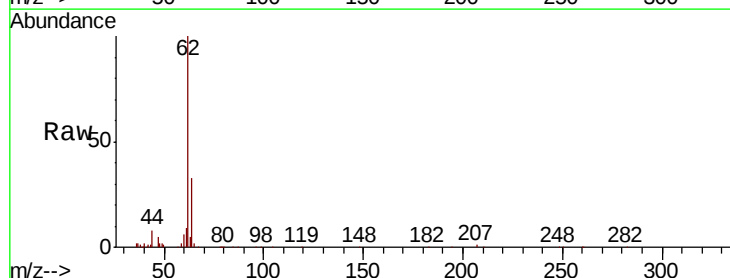
Instrument :
MSVOA_D
ClientSampleId :

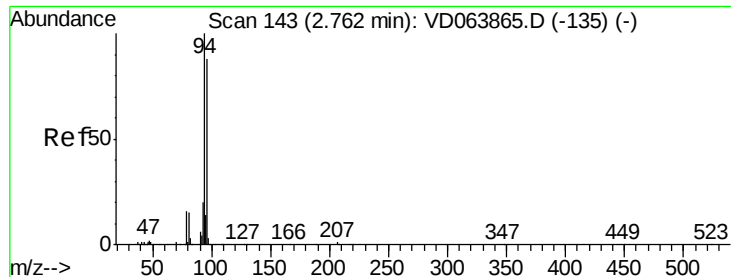
Tot Ion: 50 Resp: 68668
Ion Ratio Lower Upper
50 100
52 30.8 27.5 41.3



#4
Vinyl Chloride
Concen: 25.413 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion: 62 Resp: 82409
Ion Ratio Lower Upper
62 100
64 33.3 25.4 38.0





#5

Bromomethane

Concen: 24.649 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

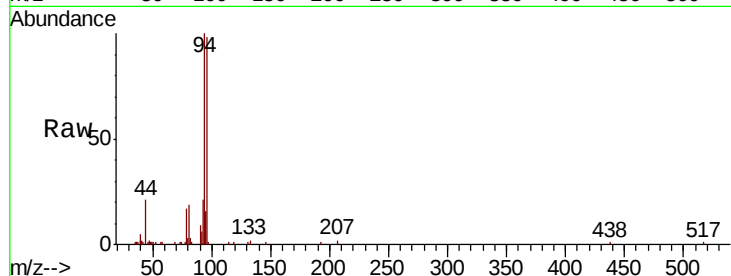
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 51389

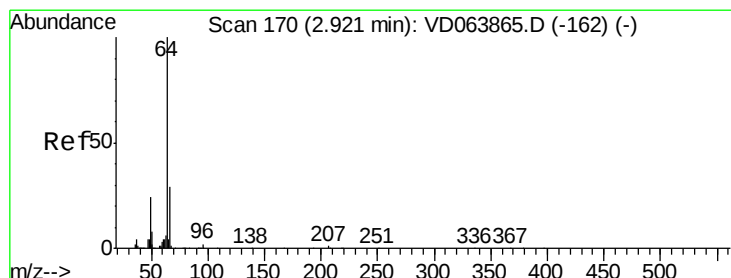
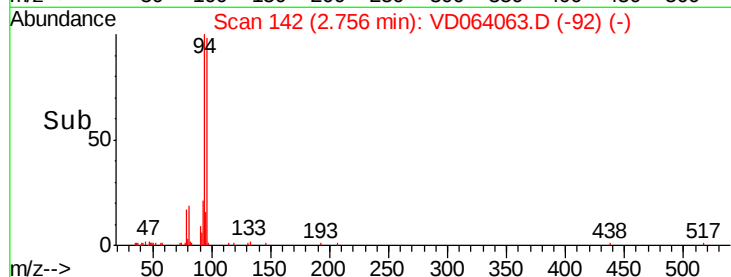
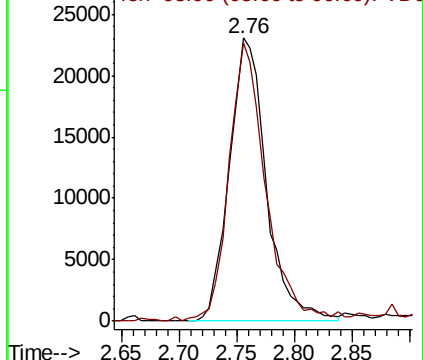
Ion Ratio Lower Upper

94 100

96 97.4 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: 26.365 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064063.D

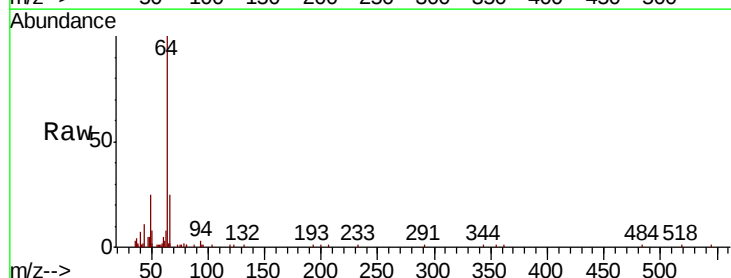
Acq: 25 Oct 2019 14:13

Tgt Ion: 64 Resp: 56542

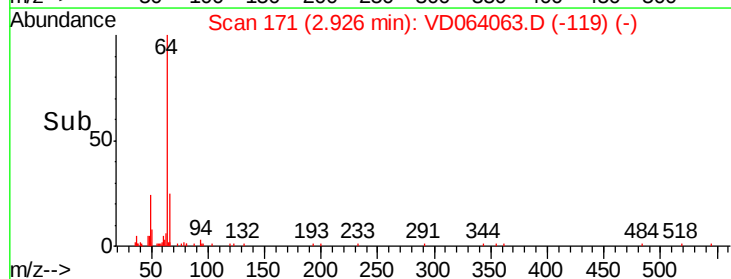
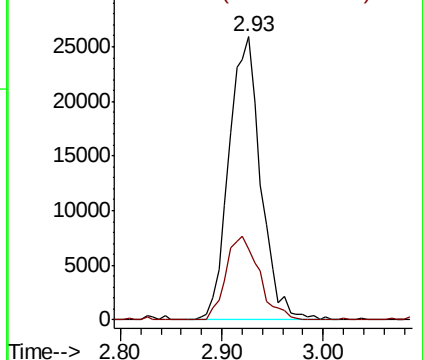
Ion Ratio Lower Upper

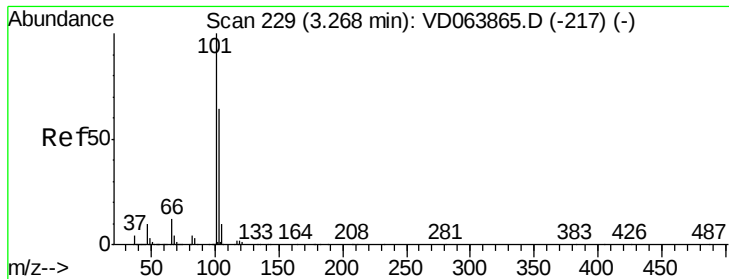
64 100

66 25.2 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



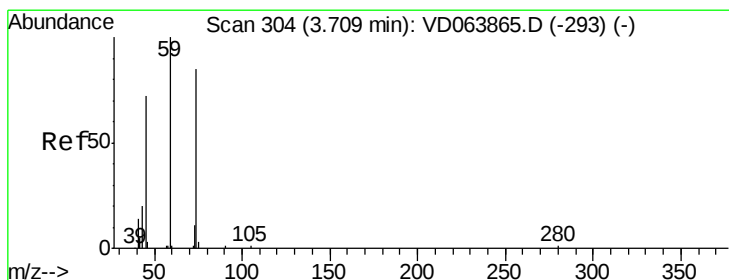
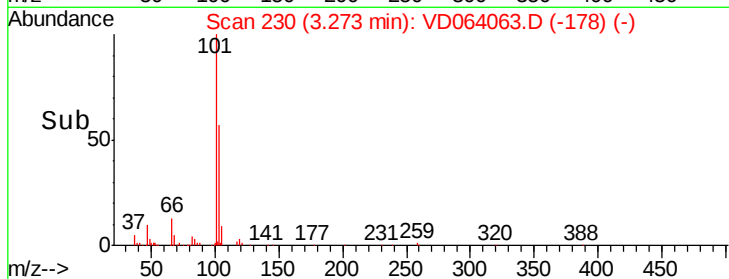
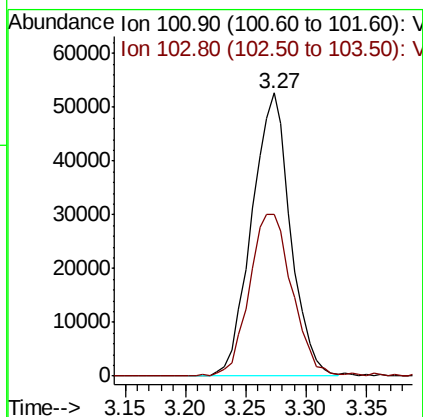
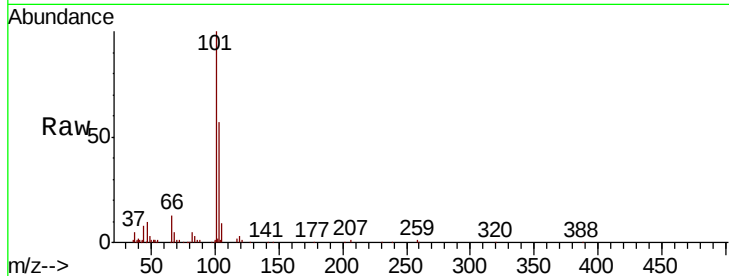


#7

Trichlorofluoromethane
 Concen: 27.382 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Instrument :
 MSVOA_D
 ClientSampleId :

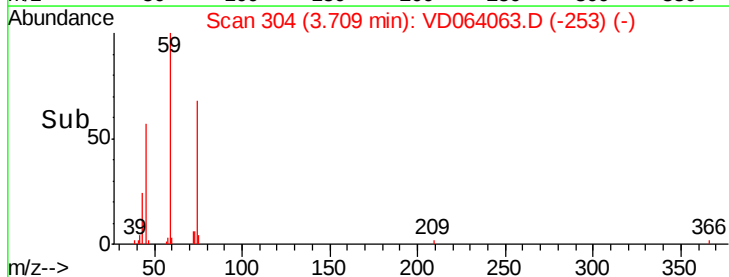
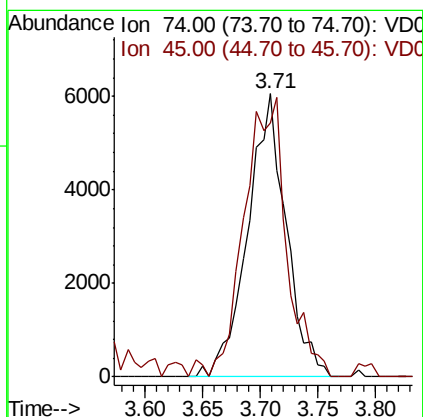
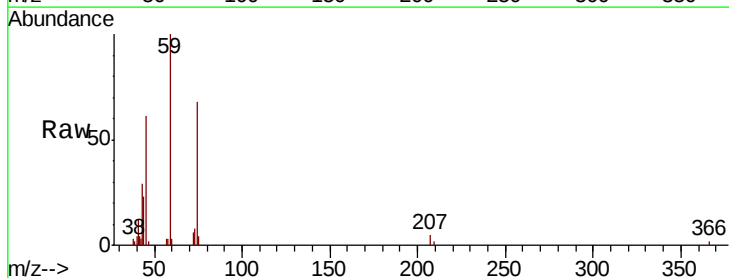
Tot Ion:101 Resp: 117399
 Ion Ratio Lower Upper
 101 100
 103 56.9 51.1 76.7

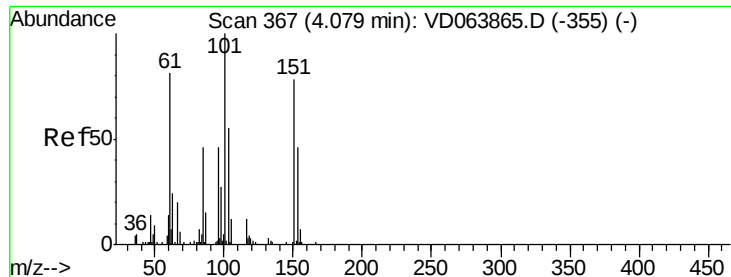


#8

Diethyl Ether
 Concen: 20.326 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Tgt Ion: 74 Resp: 13988
 Ion Ratio Lower Upper
 74 100
 45 107.9 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.150 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

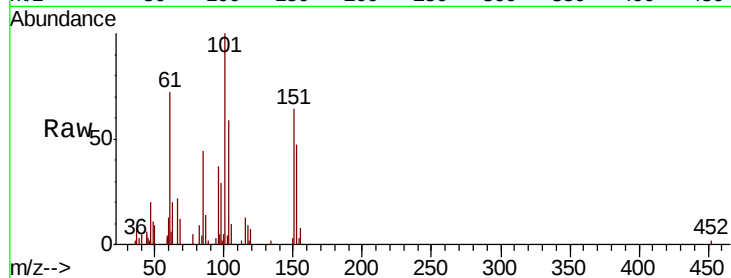
Tot Ion:101 Resp: 27475

Ion Ratio Lower Upper

101 100

85 42.3 37.5 56.3

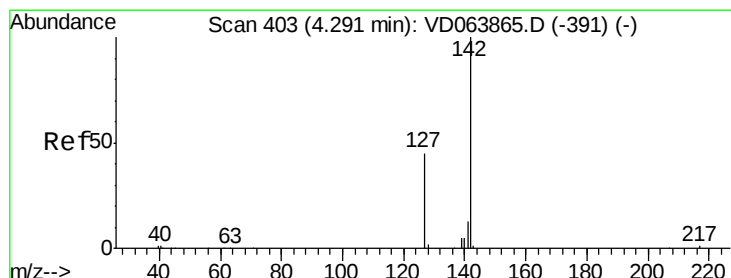
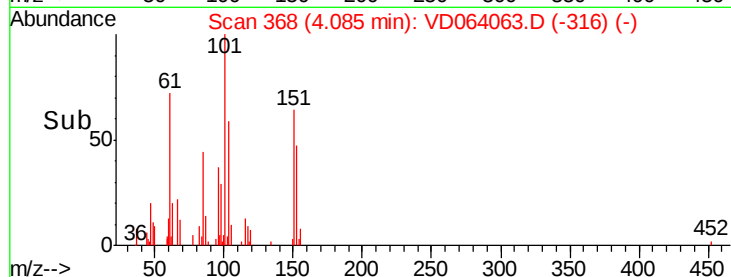
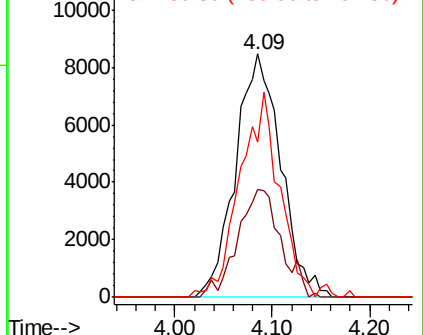
151 73.5 65.5 98.3



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: 16.332 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

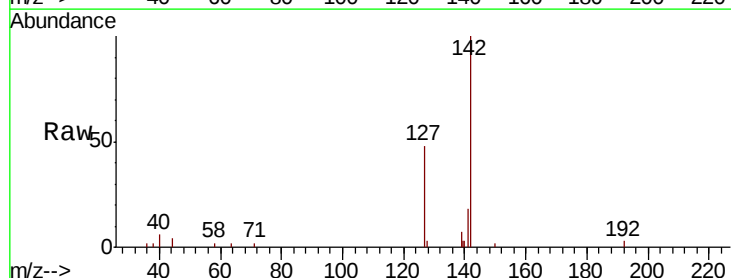
Tgt Ion:142 Resp: 26709

Ion Ratio Lower Upper

142 100

127 46.5 35.3 52.9

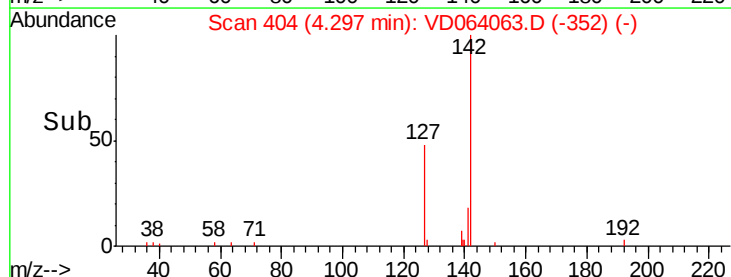
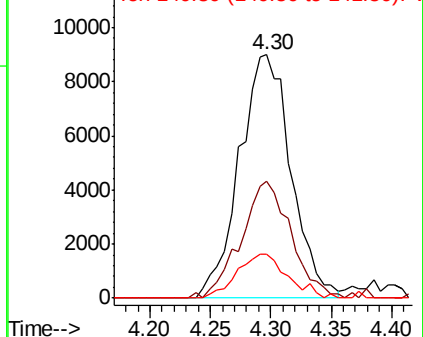
141 17.7 12.2 18.2

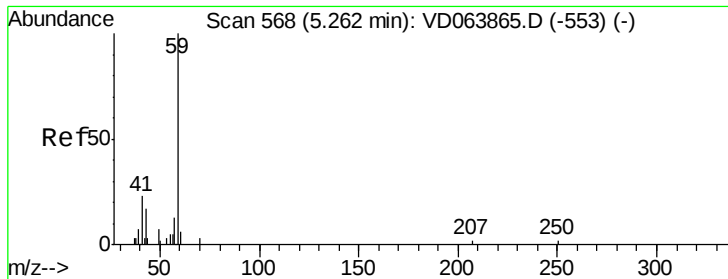


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

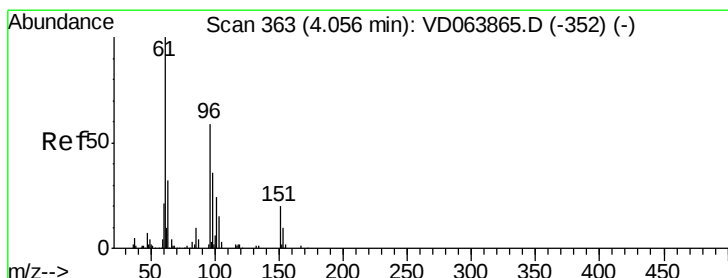
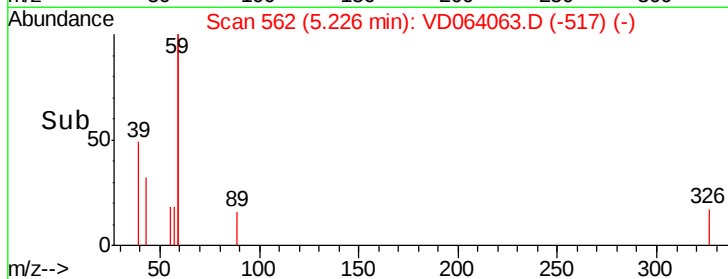
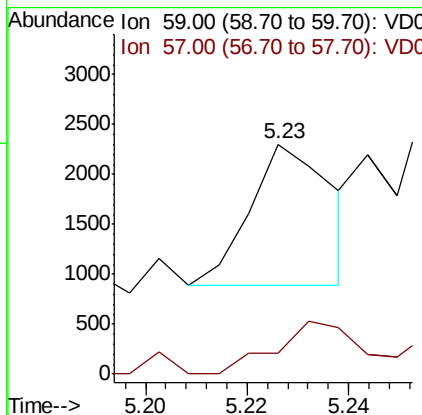
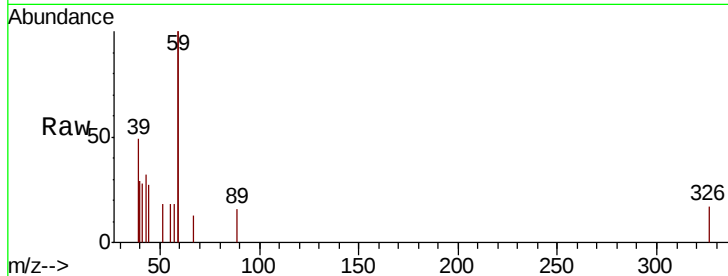




#11
Tert butyl alcohol
Concen: 8.859 ug/l
RT: 5.23 min Scan# 562
Delta R.T. -0.03 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

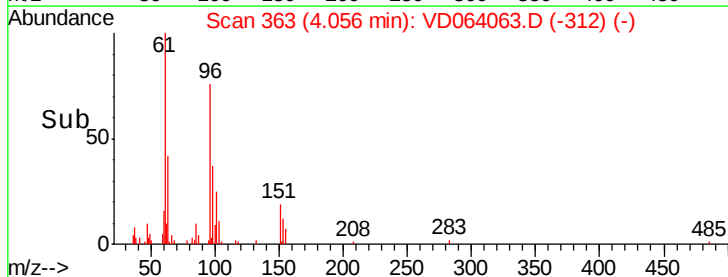
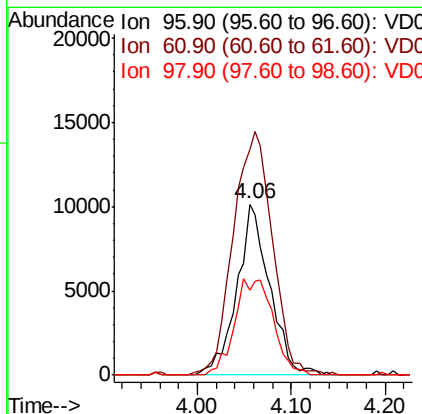
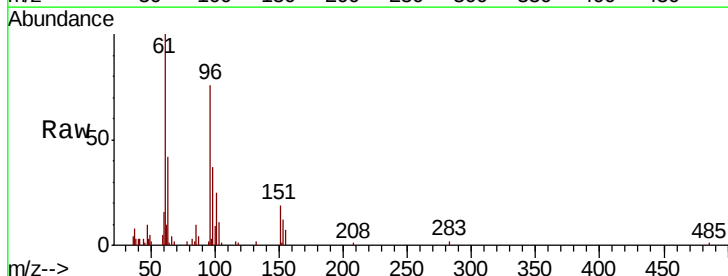
Instrument :
MSVOA_D
ClientSampleId :

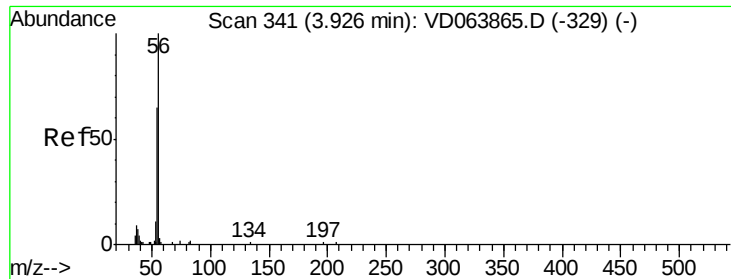
Tot Ion: 59 Resp: 1588
Ion Ratio Lower Upper
59 100
57 39.7 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 20.712 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion: 96 Resp: 24559
Ion Ratio Lower Upper
96 100
61 132.2 135.6 203.4#
98 49.6 49.2 73.8





#13

Acrolein

Concen: 74.490 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

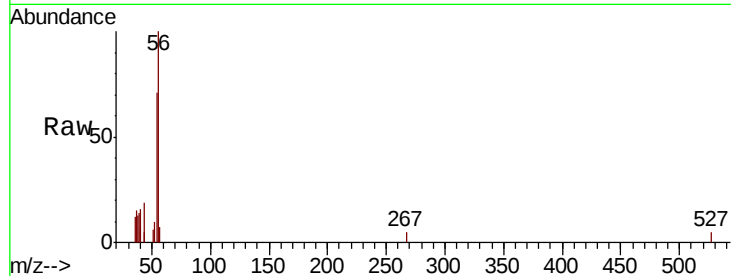
ClientSampleId :

Tot Ion: 56 Resp: 9164

Ion Ratio Lower Upper

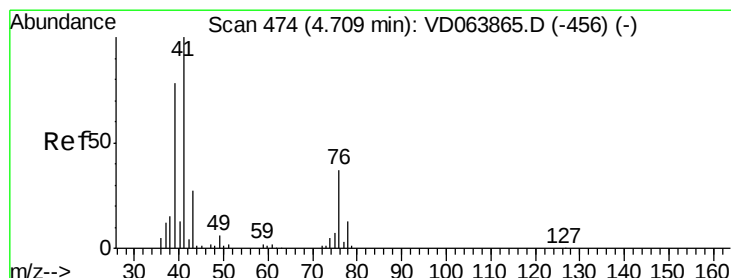
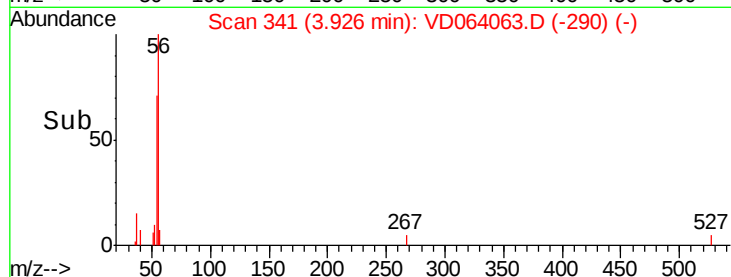
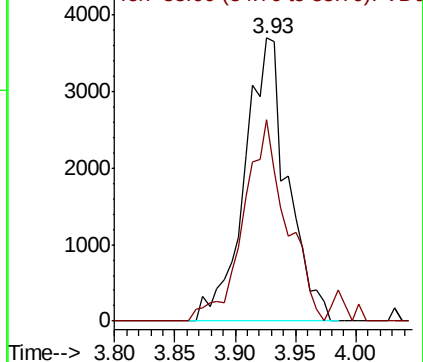
56 100

55 70.6 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 23.018 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

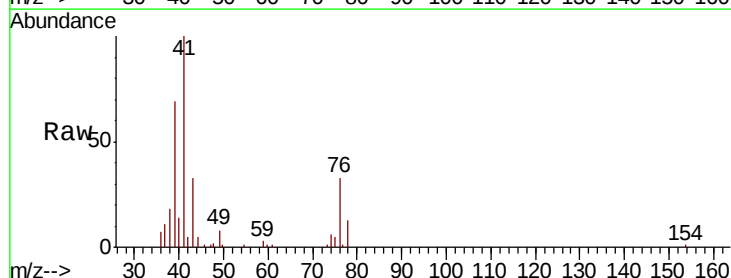
Tgt Ion: 41 Resp: 45377

Ion Ratio Lower Upper

41 100

39 68.8 61.8 92.6

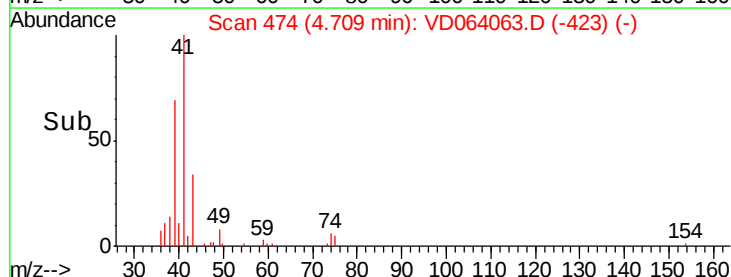
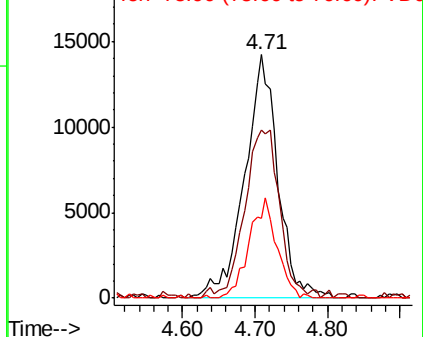
76 34.1 31.3 46.9

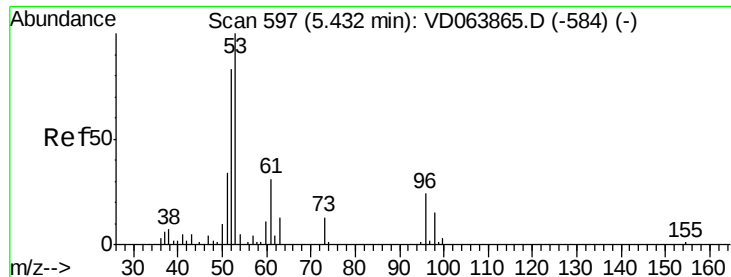


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 119.358 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

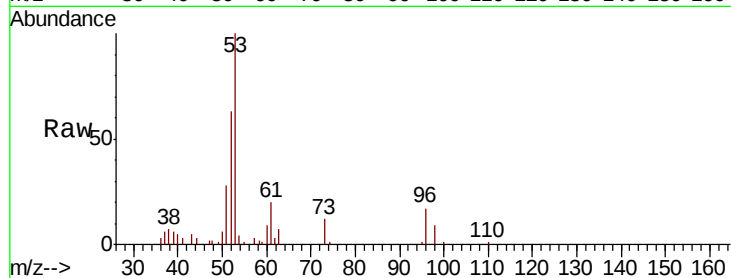
Tot Ion: 53 Resp: 36214

Ion Ratio Lower Upper

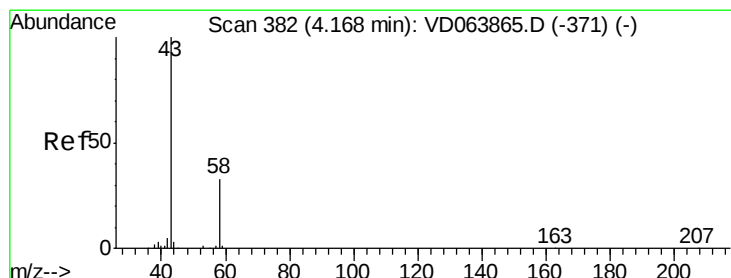
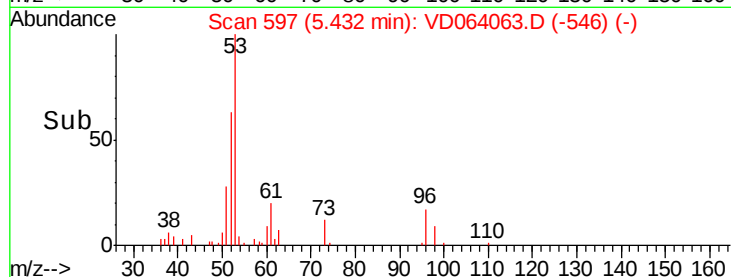
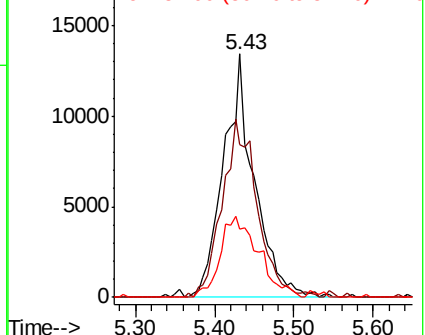
53 100

52 82.0 67.3 100.9

51 41.0 30.5 45.7



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



#16

Acetone

Concen: 101.952 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064063.D

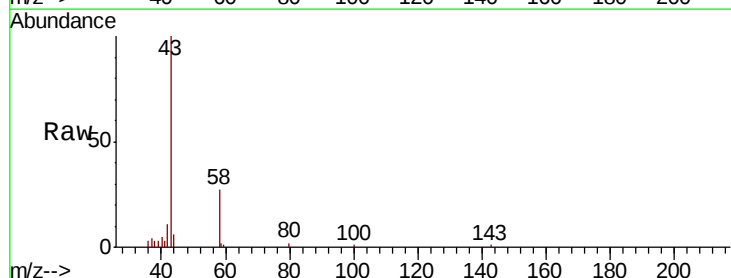
Acq: 25 Oct 2019 14:13

Tgt Ion: 43 Resp: 36562

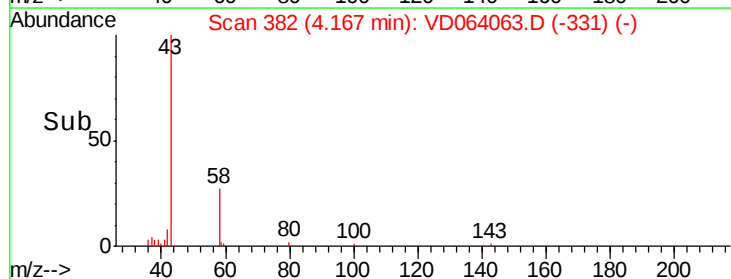
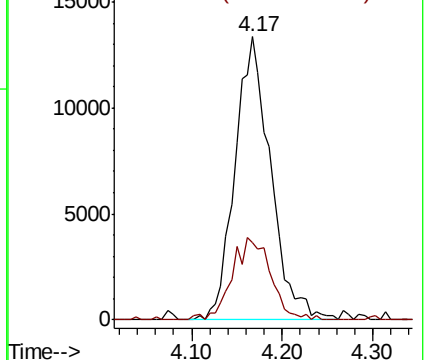
Ion Ratio Lower Upper

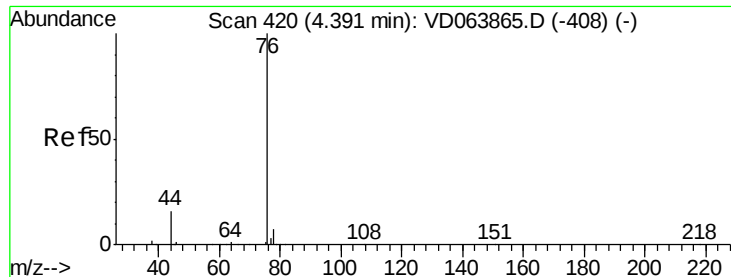
43 100

58 29.1 26.2 39.4



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

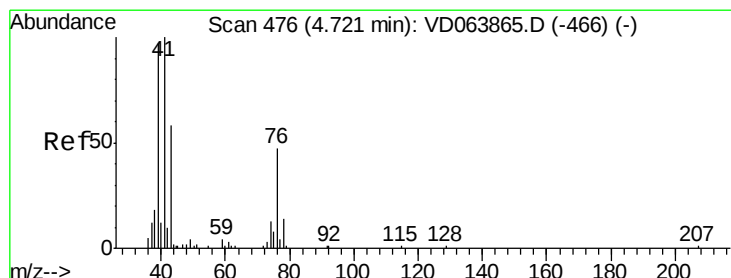
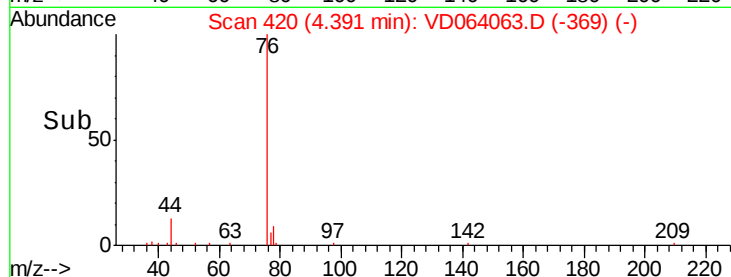
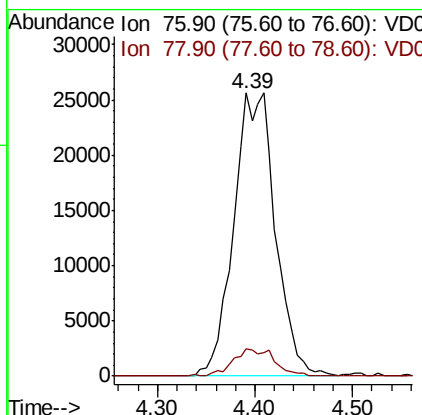
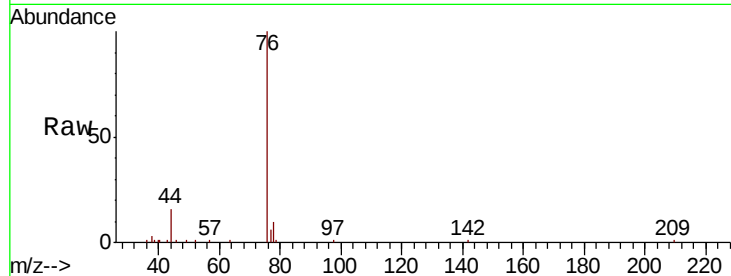




#17
Carbon Disulfide
Concen: 17.717 ug/l
RT: 4.39 min Scan# 420
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

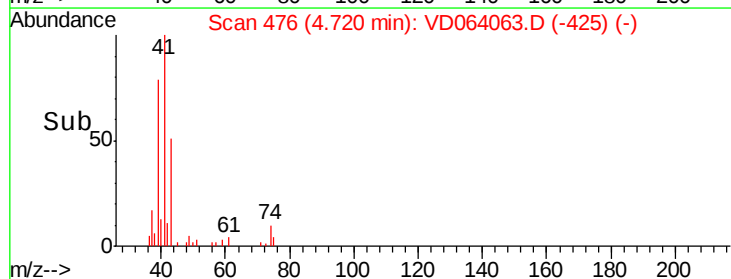
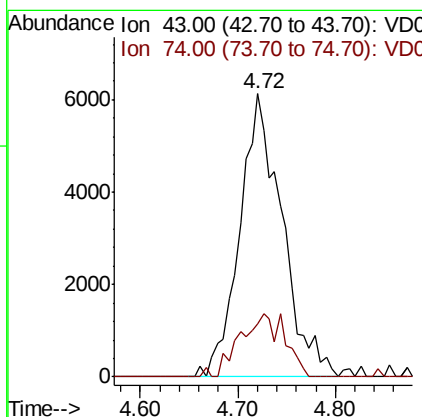
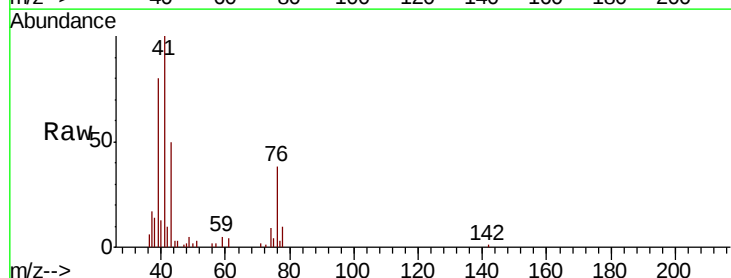
Instrument :
MSVOA_D
ClientSampleId :

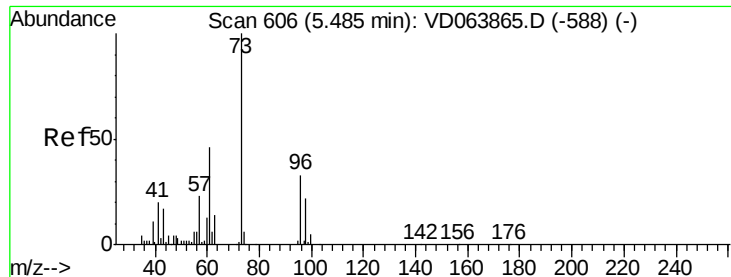
Tot Ion: 76 Resp: 76364
Ion Ratio Lower Upper
76 100
78 9.8 5.8 8.8#



#18
Methyl Acetate
Concen: 26.435 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion: 43 Resp: 18542
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



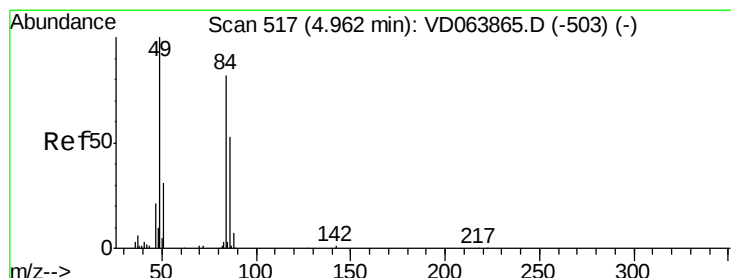
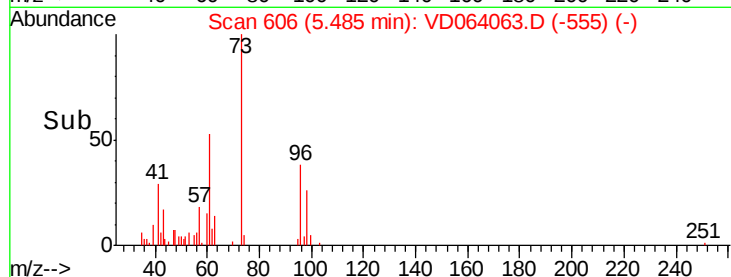
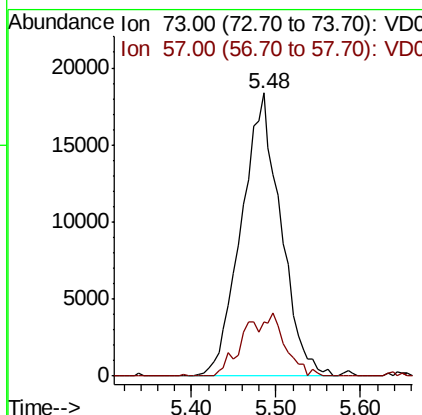
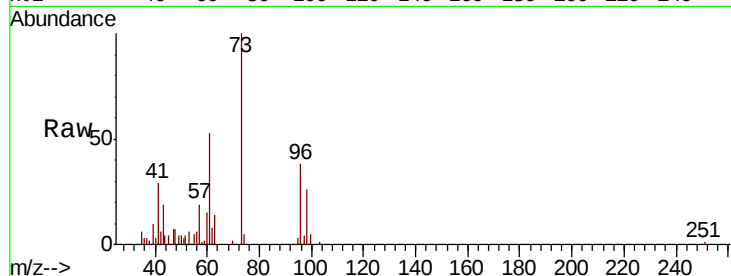


#19

Methyl tert-butyl Ether
 Concen: 19.341 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Instrument :
 MSVOA_D
 ClientSampled :

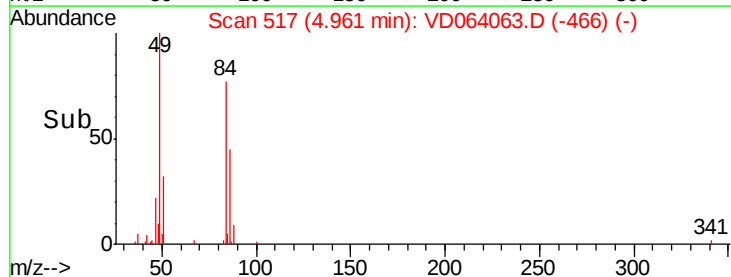
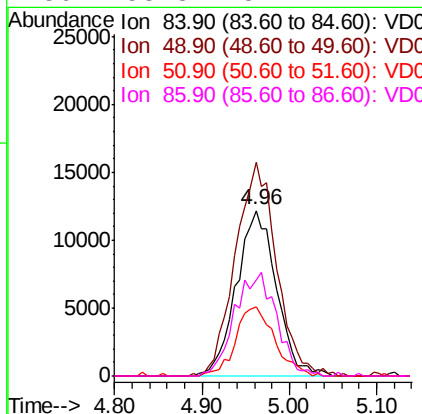
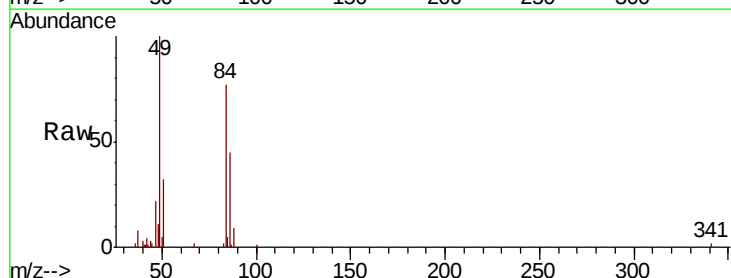
Tot Ion: 73 Resp: 59386
 Ion Ratio Lower Upper
 73 100
 57 19.0 18.1 27.1

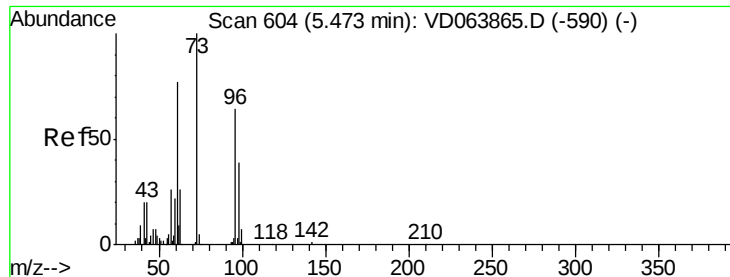


#20

Methylene Chloride
 Concen: 22.069 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Tgt Ion: 84 Resp: 37792
 Ion Ratio Lower Upper
 84 100
 49 129.1 97.3 145.9
 51 41.7 30.1 45.1
 86 58.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 22.348 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

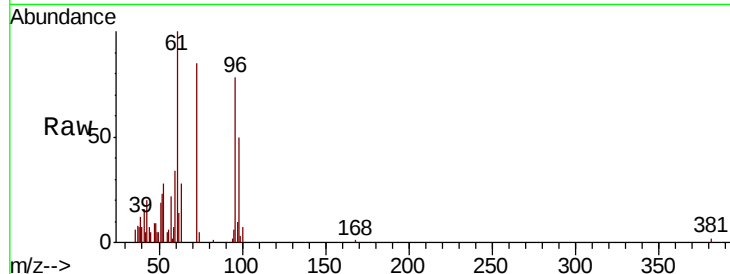
Tot Ion: 96 Resp: 32988

Ion Ratio Lower Upper

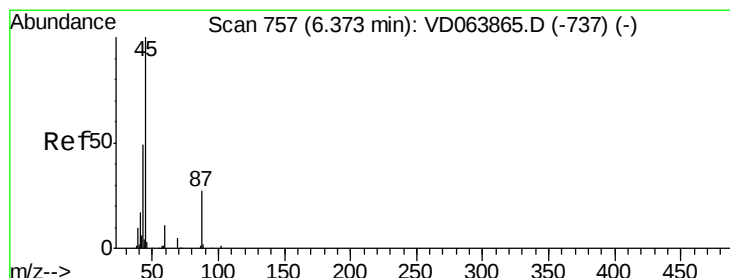
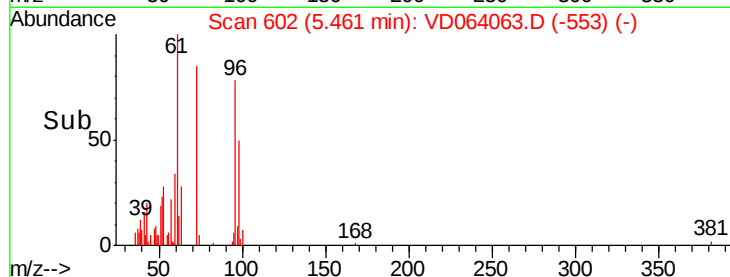
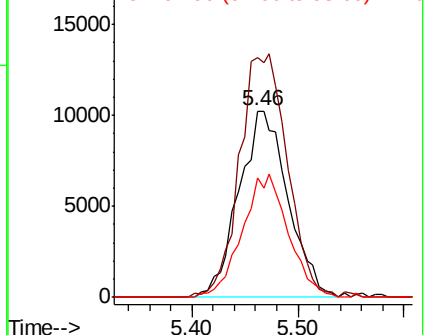
96 100

61 128.6 96.6 145.0

98 64.0 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: 23.550 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Tgt Ion: 45 Resp: 94815

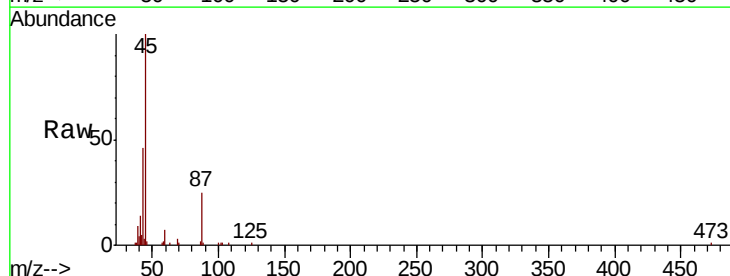
Ion Ratio Lower Upper

45 100

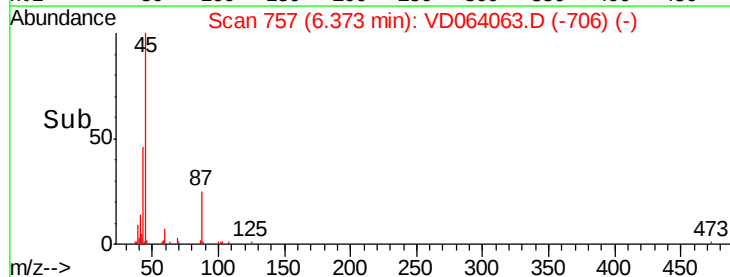
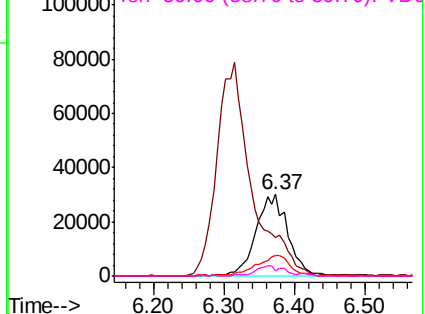
43 45.1 41.2 61.8

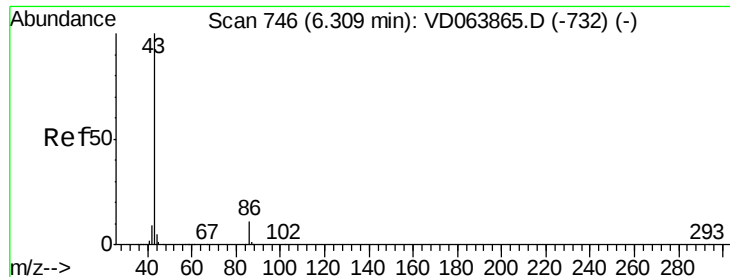
87 25.3 22.2 33.4

59 6.9 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: 113.164 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

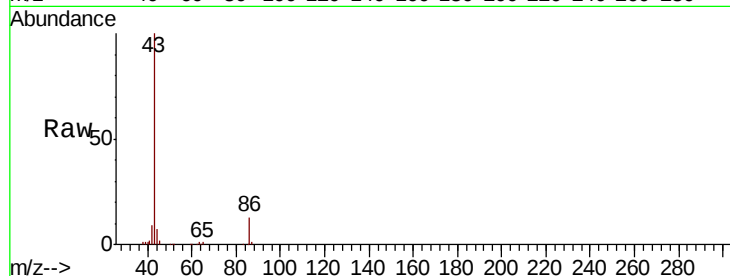
ClientSampleId :

Tot Ion: 43 Resp: 271038

Ion Ratio Lower Upper

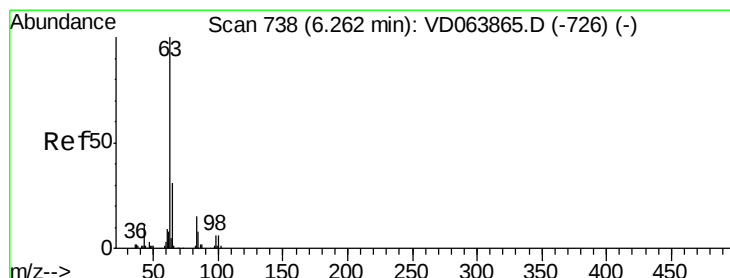
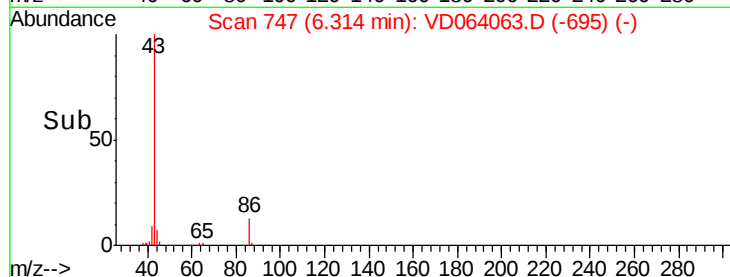
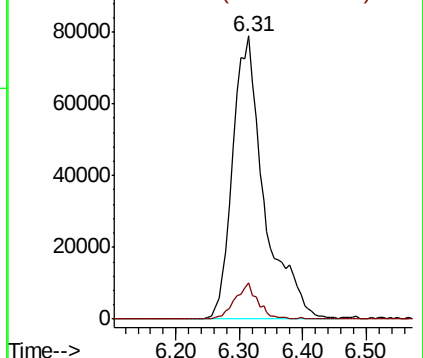
43 100

86 12.9 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.516 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

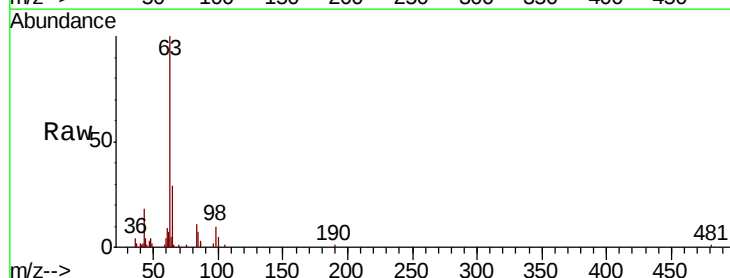
Tgt Ion: 63 Resp: 53357

Ion Ratio Lower Upper

63 100

98 9.9 3.1 9.4#

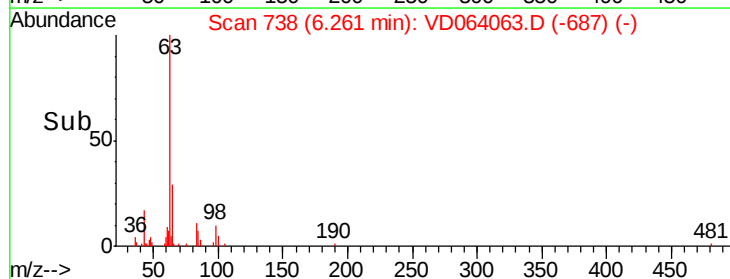
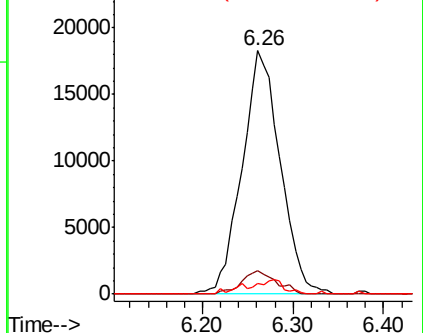
100 4.6 3.0 9.2

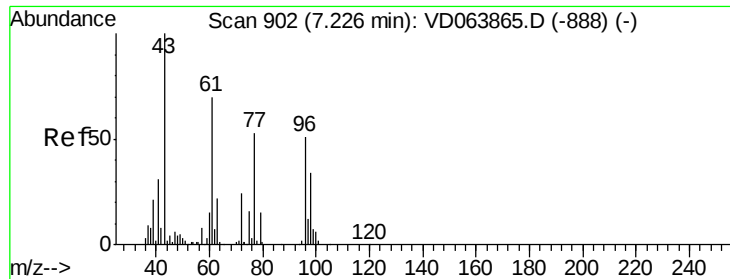


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 112.169 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

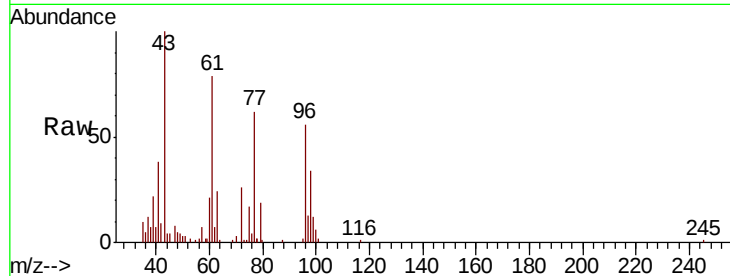
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 47672

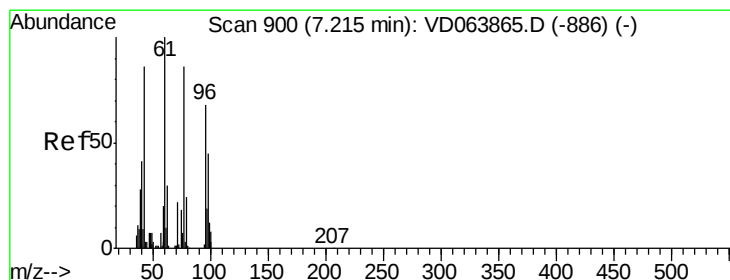
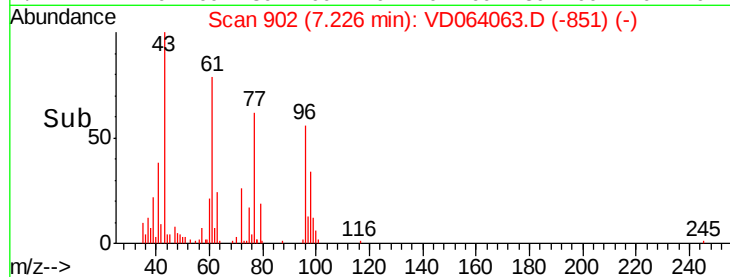
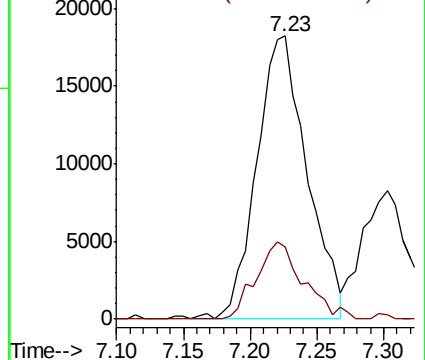
Ion Ratio Lower Upper

43 100

72 25.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.574 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064063.D

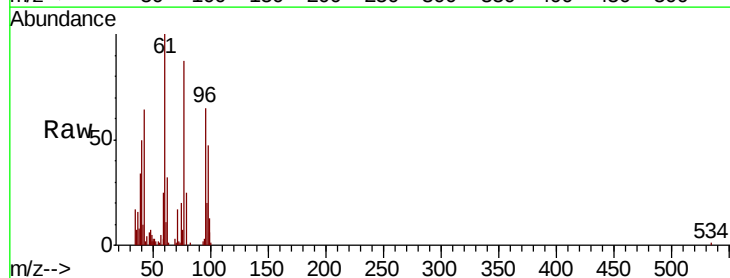
Acq: 25 Oct 2019 14:13

Tgt Ion: 77 Resp: 48398

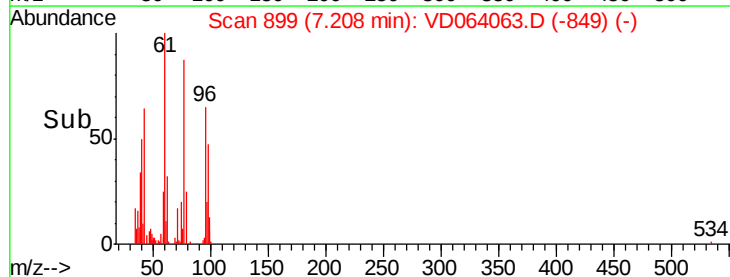
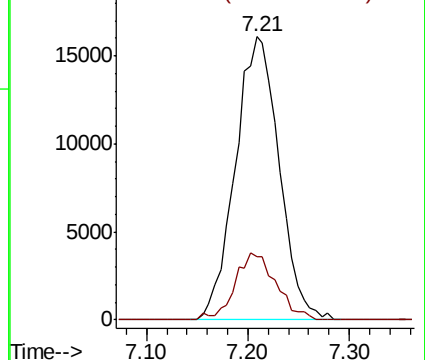
Ion Ratio Lower Upper

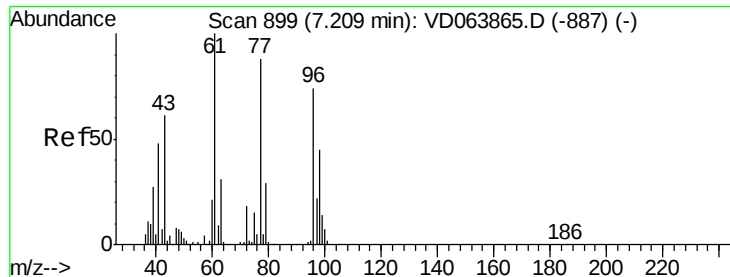
77 100

97 22.2 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



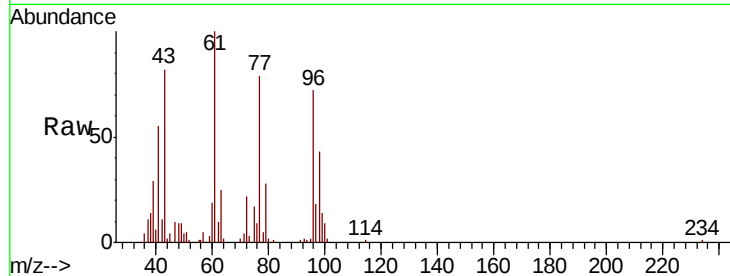


#27

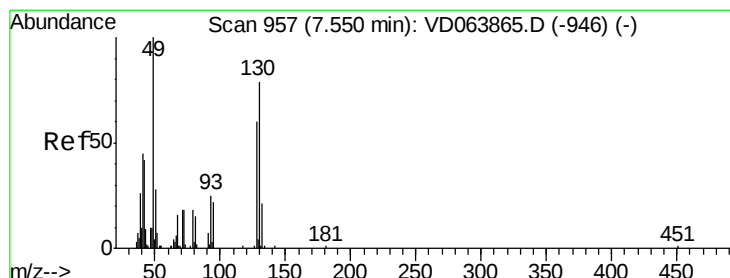
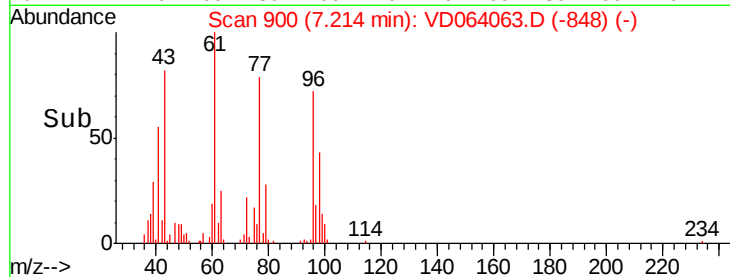
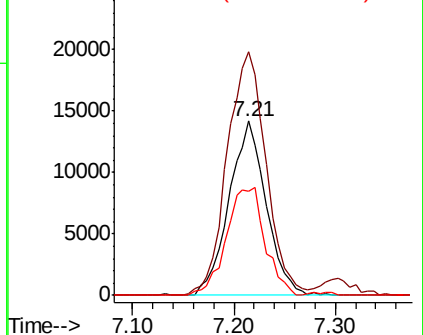
cis-1,2-Dichloroethene
Concen: 21.449 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 35835
Ion Ratio Lower Upper
96 100
61 147.0 0.0 280.0
98 64.6 0.0 130.4



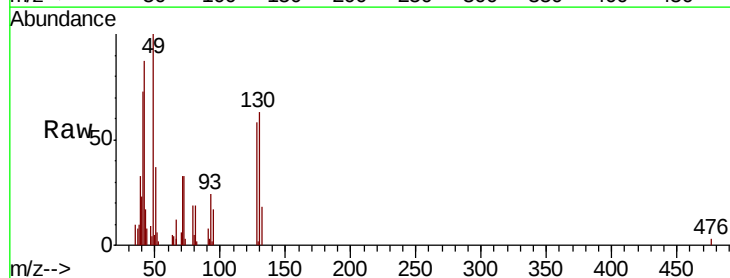
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



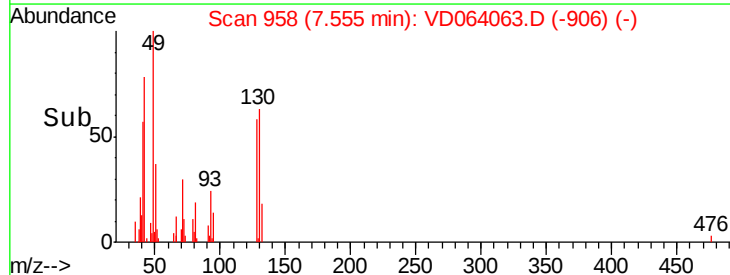
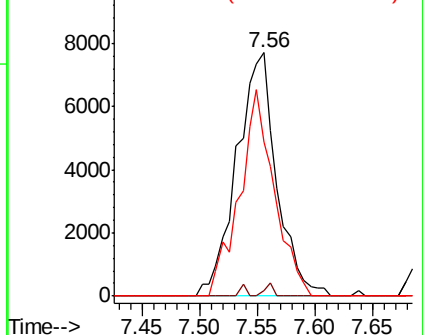
#28

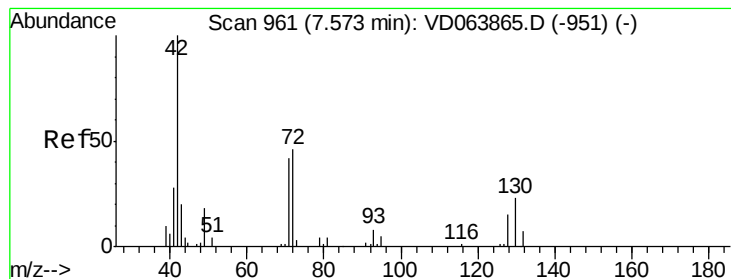
Bromochloromethane
Concen: 20.742 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion: 49 Resp: 18488
Ion Ratio Lower Upper
49 100
129 1.1 0.0 5.6
130 73.5 66.8 100.2



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





#29

Tetrahydrofuran

Concen: 116.368 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

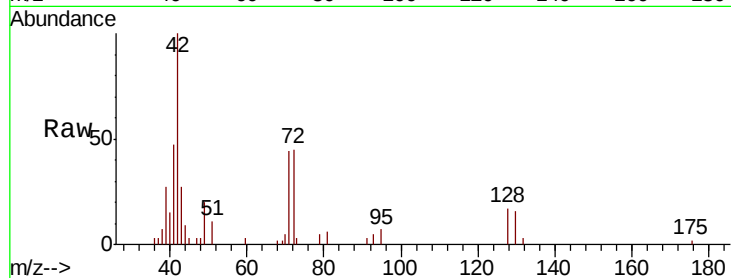
Tot Ion: 42 Resp: 28867

Ion Ratio Lower Upper

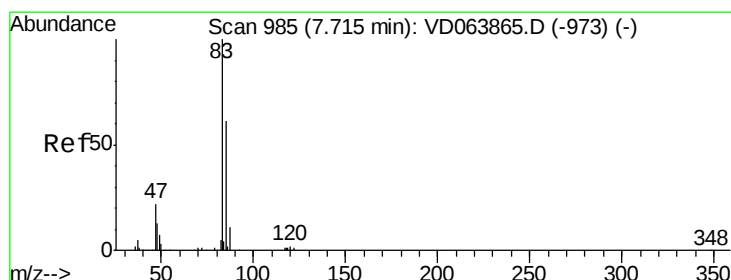
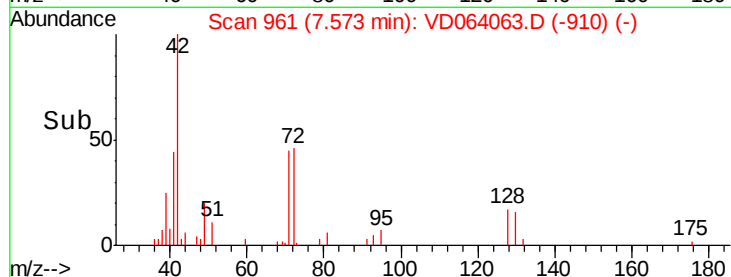
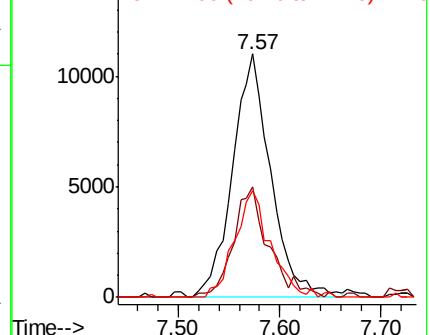
42 100

72 41.8 37.6 56.4

71 40.3 35.0 52.6



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



#30

Chloroform

Concen: 22.043 ug/l

RT: 7.72 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD064063.D

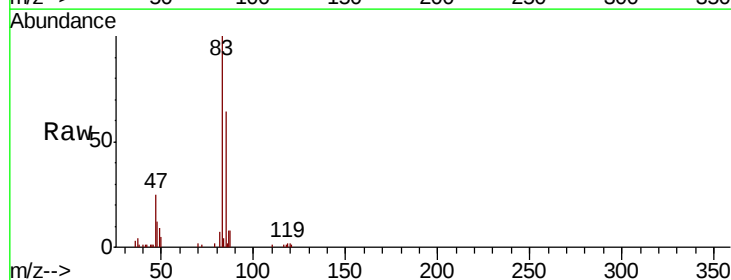
Acq: 25 Oct 2019 14:13

Tgt Ion: 83 Resp: 59372

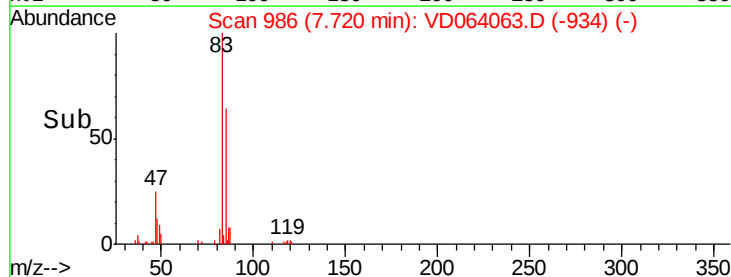
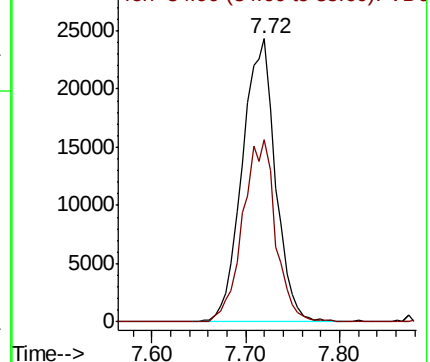
Ion Ratio Lower Upper

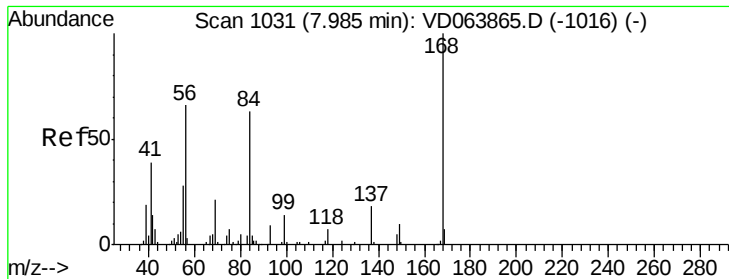
83 100

85 64.2 48.9 73.3



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

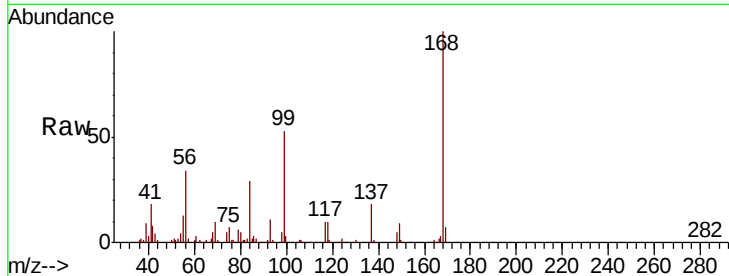




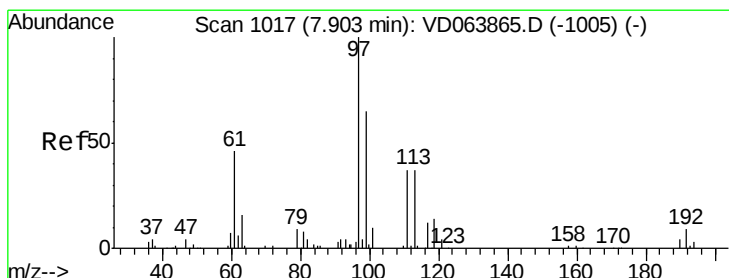
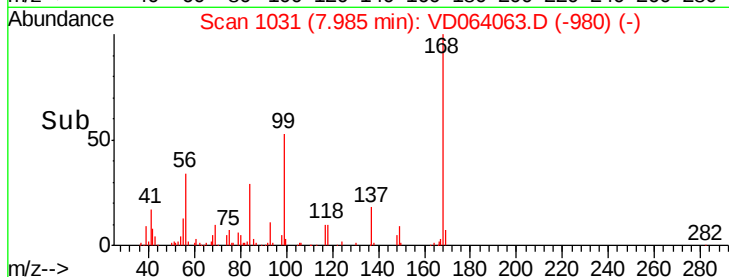
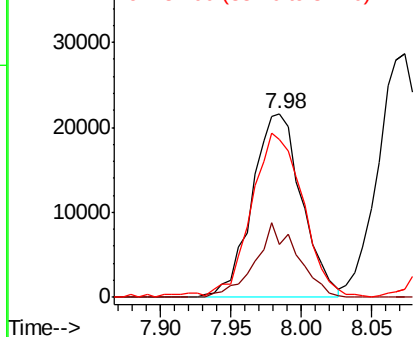
#31
Cyclohexane
Concen: 23.943 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 53357
Ion Ratio Lower Upper
56 100
69 28.7 25.0 37.4
84 83.2 76.3 114.5

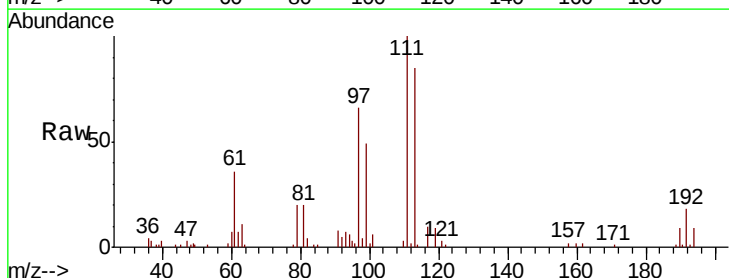


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

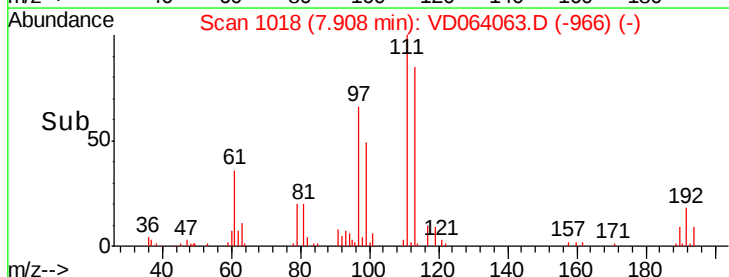
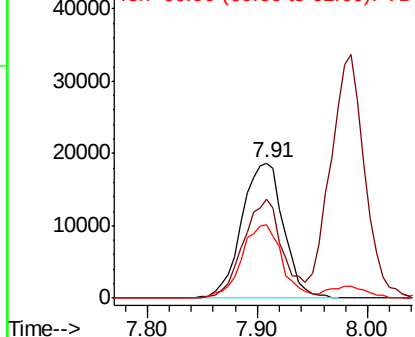


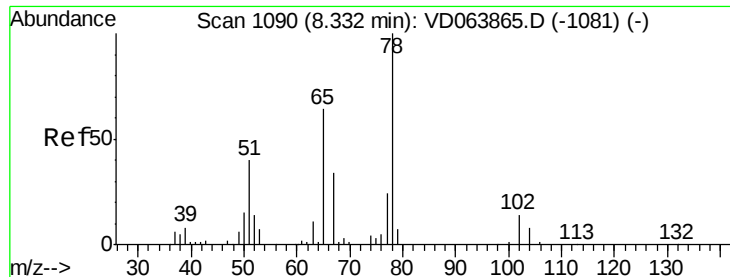
#32
1,1,1-Trichloroethane
Concen: 21.481 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion: 97 Resp: 49631
Ion Ratio Lower Upper
97 100
99 68.5 52.4 78.6
61 52.4 33.8 50.8#



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





#33

1,2-Dichloroethane-d4

Concen: 51.601 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

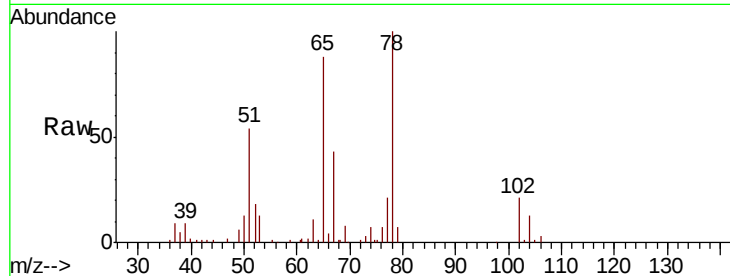
ClientSampleId :

Tot Ion: 65 Resp: 71077

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

30000

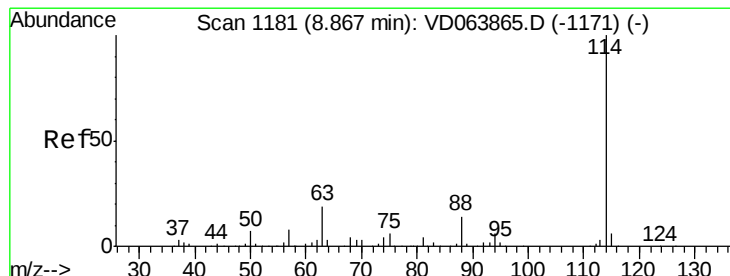
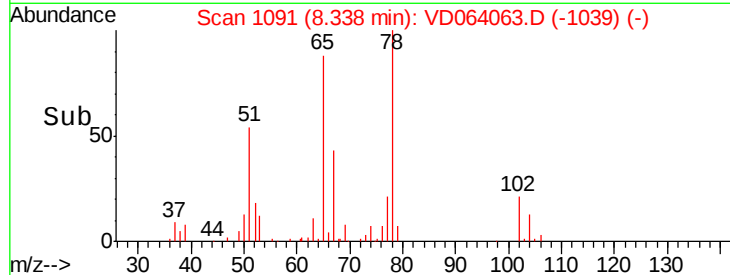
20000

10000

0

8.20 8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

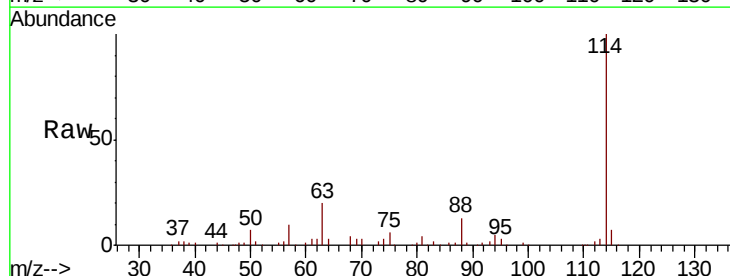
Tgt Ion: 114 Resp: 225002

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

88 13.4 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

150000

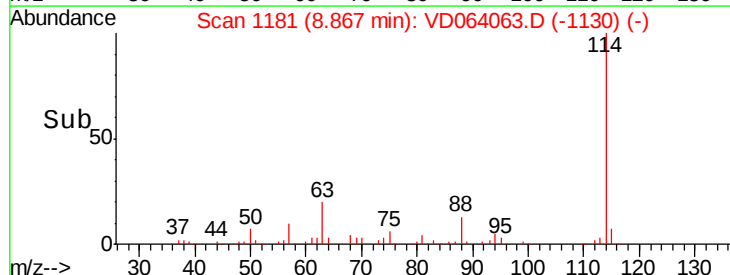
100000

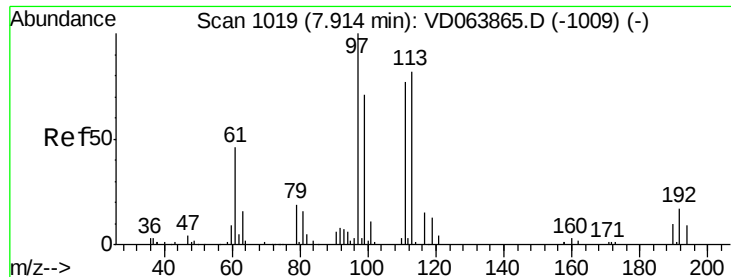
50000

0

8.75 8.80 8.85 8.90 8.95

Time-->

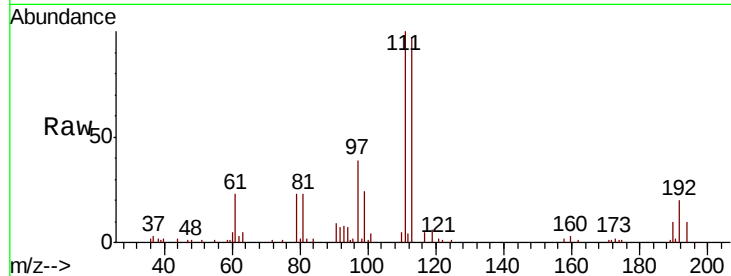




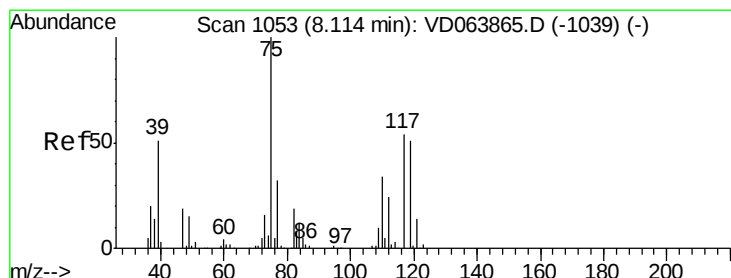
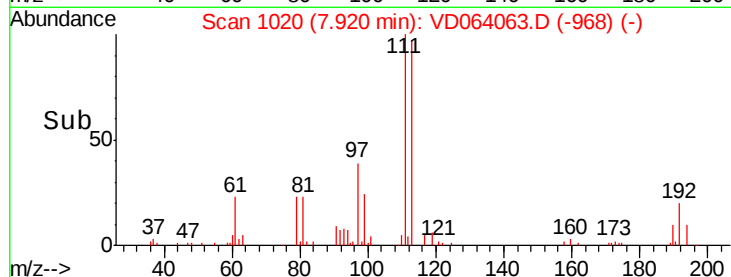
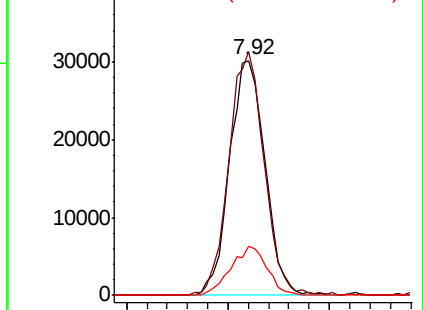
#35
Dibromofluoromethane
Concen: 53.327 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 73328
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 21.3 17.1 25.7

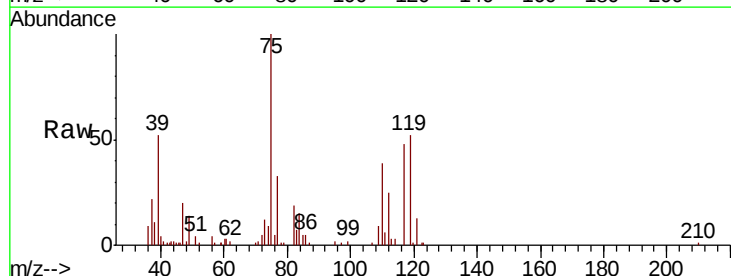


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

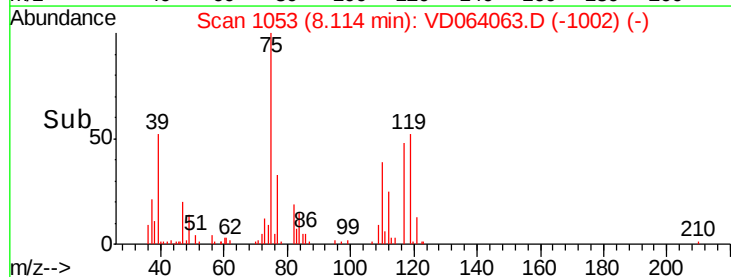
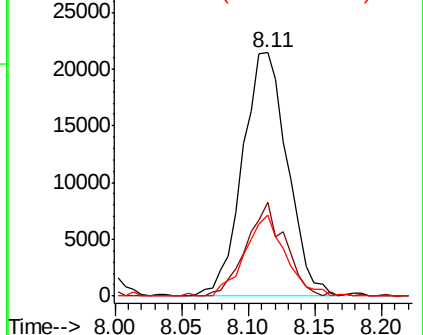


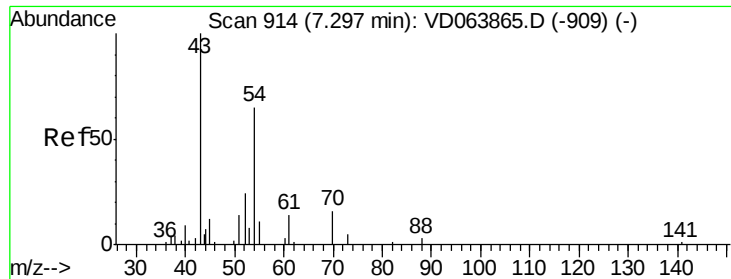
#36
1,1-Dichloropropene
Concen: 24.267 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion: 75 Resp: 49923
Ion Ratio Lower Upper
75 100
110 33.2 17.4 52.3
77 30.1 25.4 38.0



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

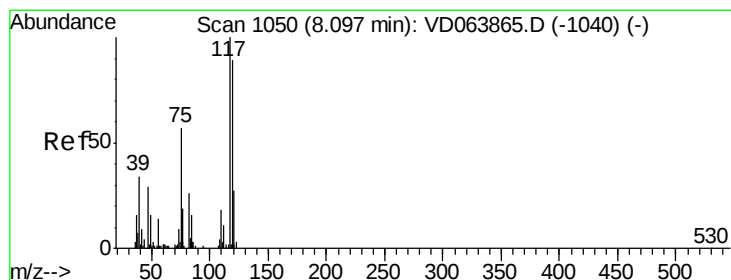
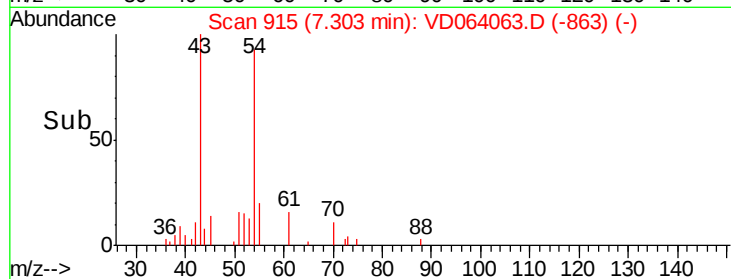
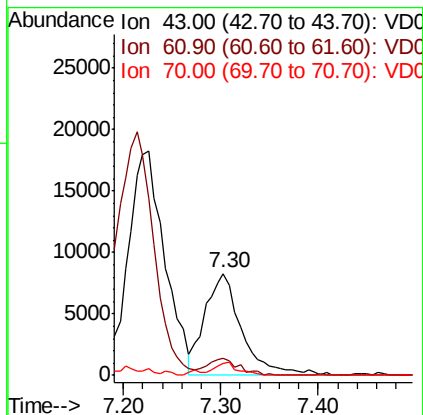
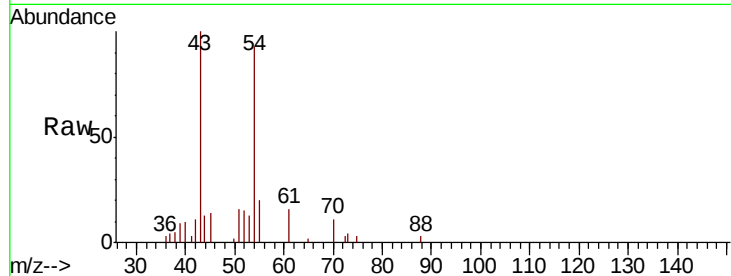




#37
Ethyl Acetate
Concen: 24.240 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

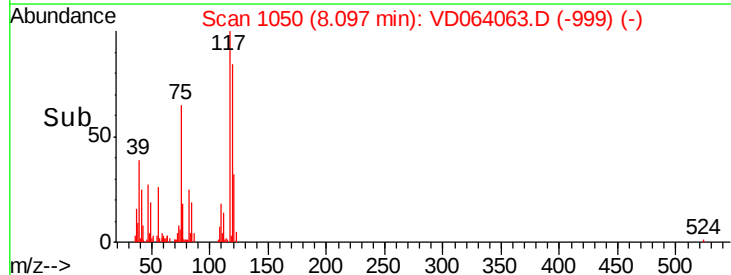
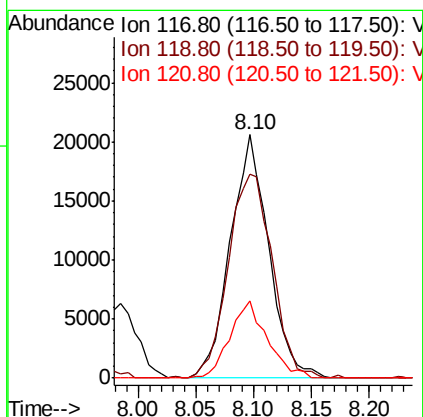
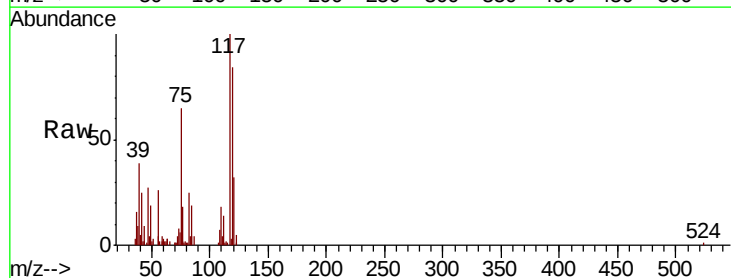
Instrument :
MSVOA_D
ClientSampleId :

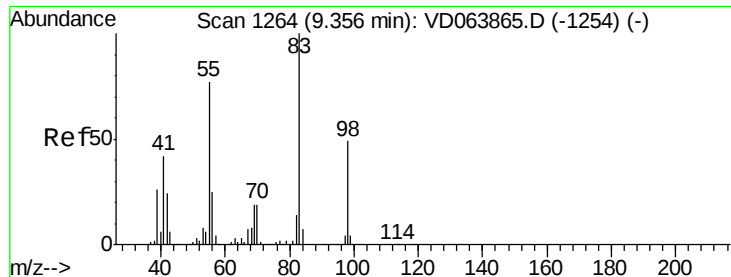
Tot Ion: 43 Resp: 21691
Ion Ratio Lower Upper
43 100
61 14.4 11.5 17.3
70 8.1 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 22.876 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion: 117 Resp: 47557
Ion Ratio Lower Upper
117 100
119 83.9 70.8 106.2
121 31.7 21.4 32.0

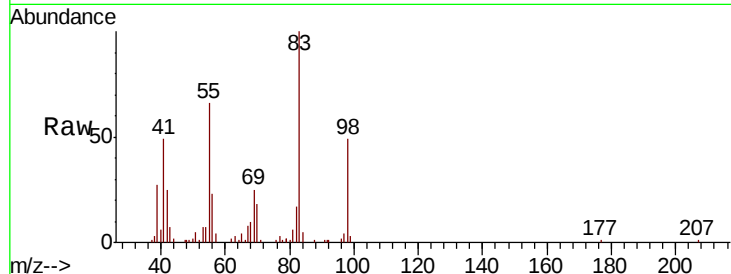




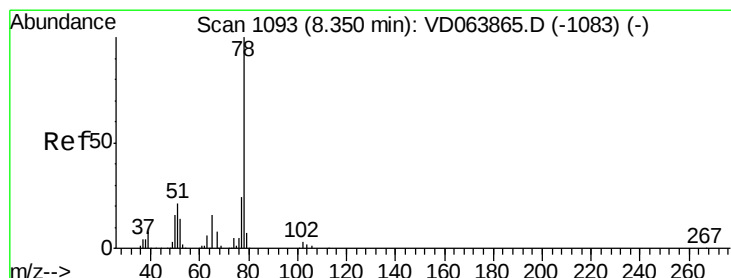
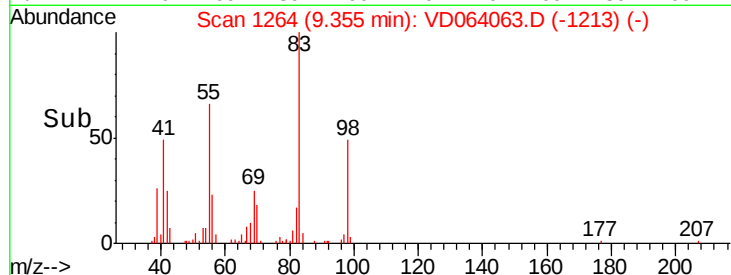
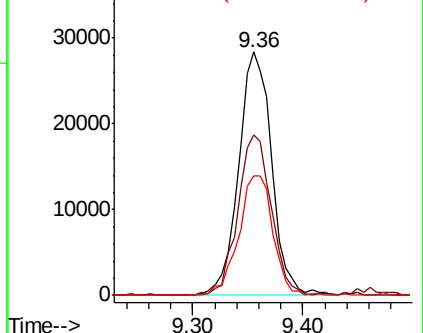
#39
Methvlcvclohexane
Concen: 23.539 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	83.00	Resp	59541
Ion Ratio	Lower	Upper	
83	100		
55	65.9	61.3	91.9
98	48.8	39.3	58.9

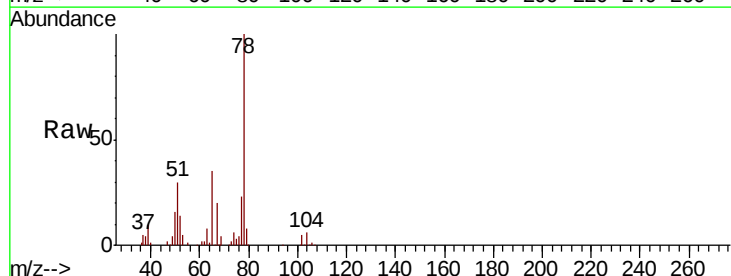


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

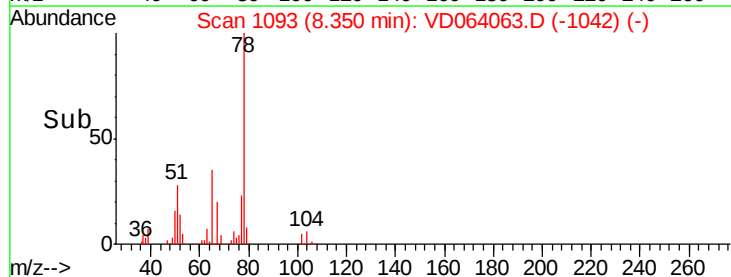
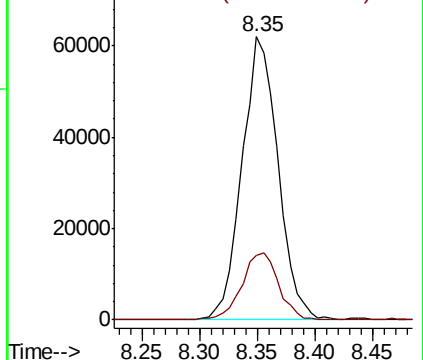


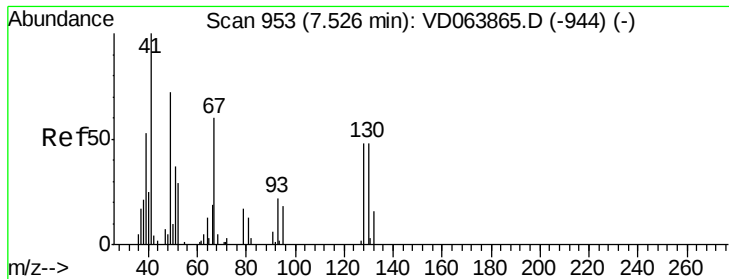
#40
Benzene
Concen: 22.864 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion	78.00	Resp	134797
Ion Ratio	Lower	Upper	
78	100		
77	22.9	19.0	28.6



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





#41

Methacrylonitrile

Concen: 19.406 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 9256

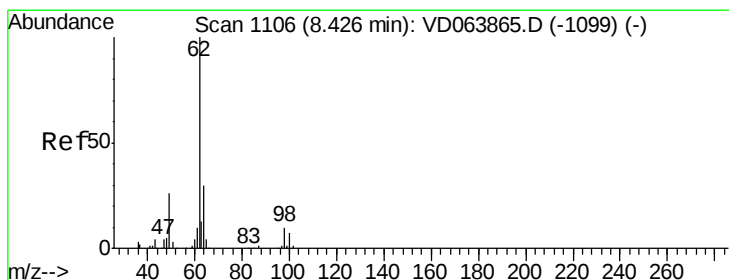
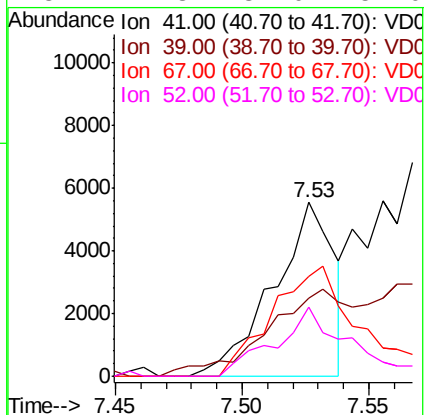
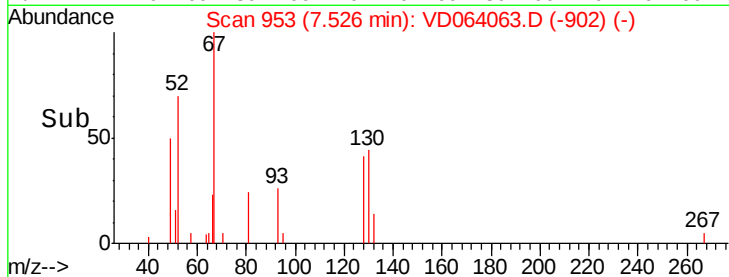
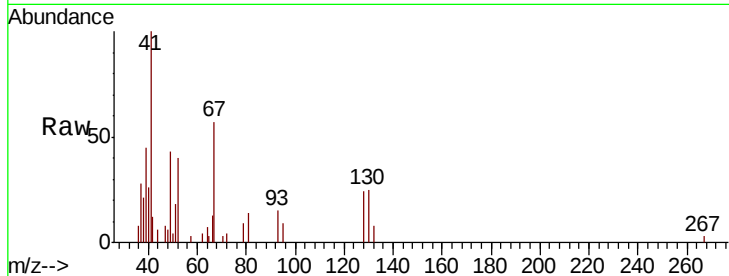
Ion Ratio Lower Upper

41 100

39 68.2 52.6 78.8

67 87.7 74.2 111.2

52 47.3 34.0 51.0



#42

1,2-Dichloroethane

Concen: 22.347 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064063.D

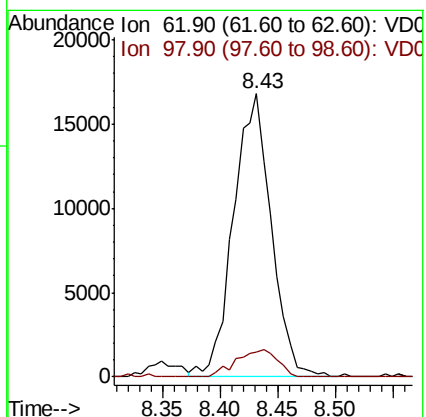
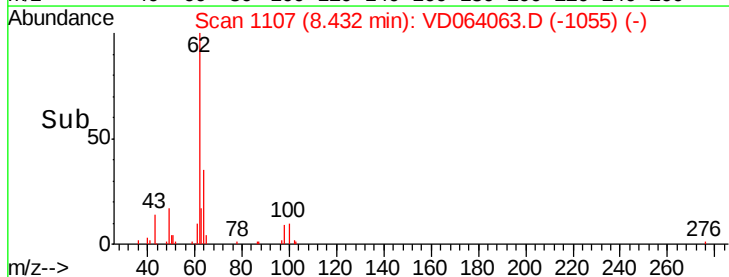
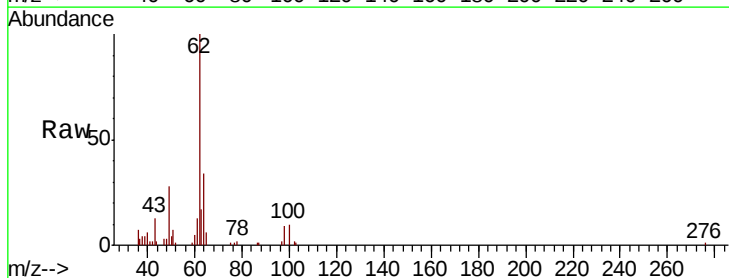
Acq: 25 Oct 2019 14:13

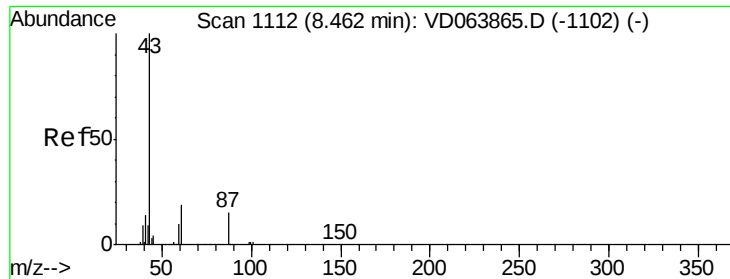
Tgt Ion: 62 Resp: 38110

Ion Ratio Lower Upper

62 100

98 10.4 0.0 20.0

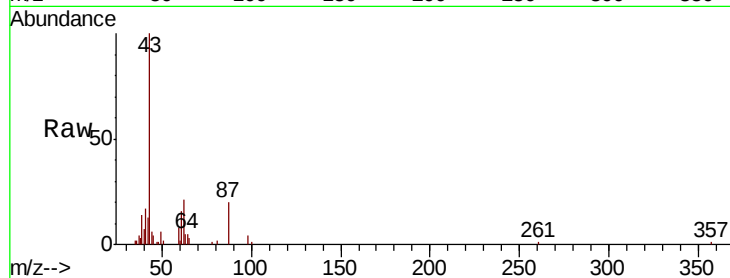




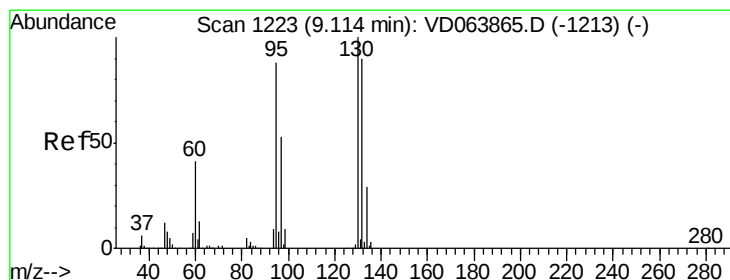
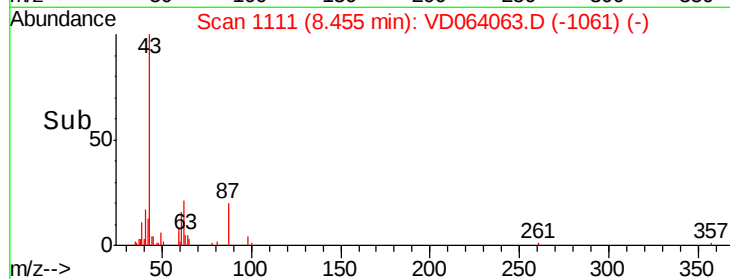
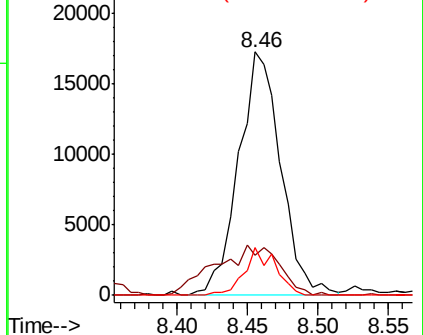
#43
Isopropyl Acetate
Concen: 20.996 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 36224
Ion Ratio Lower Upper
43 100
61 31.1 25.7 38.5
87 14.5 11.6 17.4

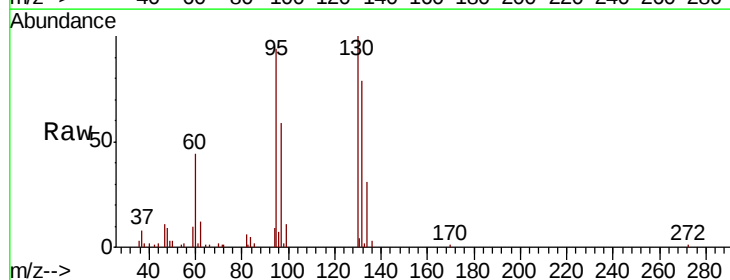


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

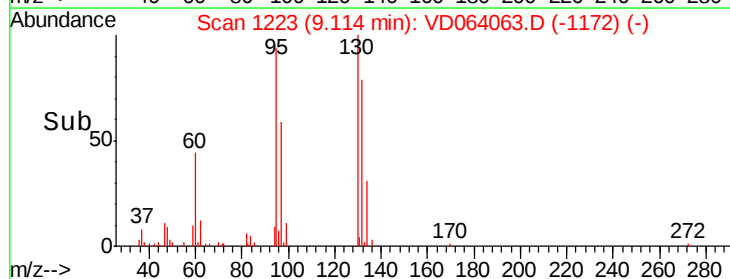
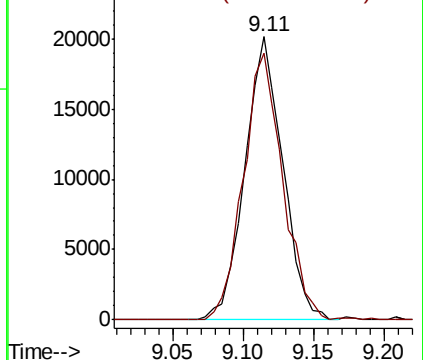


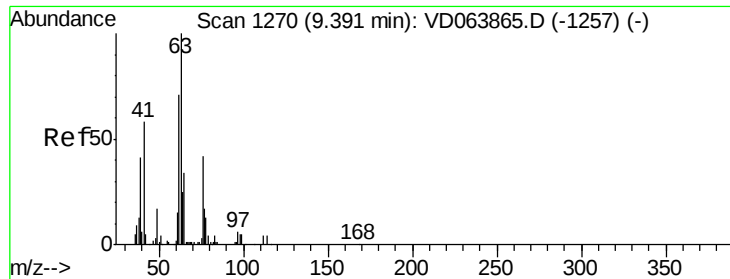
#44
Trichloroethene
Concen: 22.293 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion: 130 Resp: 37898
Ion Ratio Lower Upper
130 100
95 94.3 0.0 175.6



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

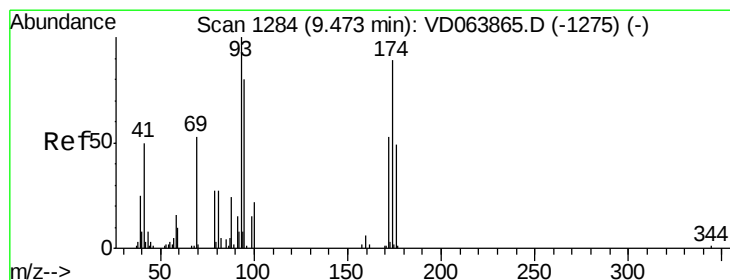
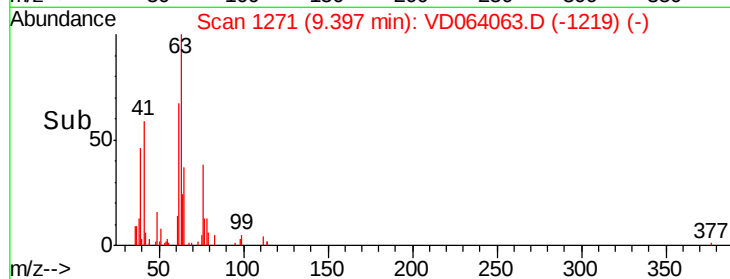
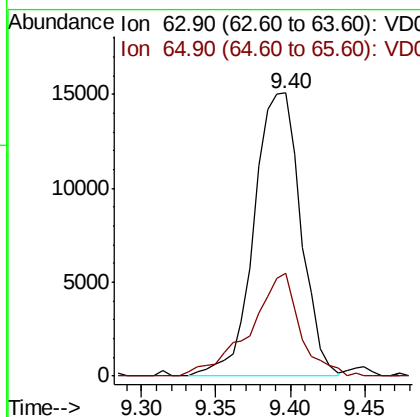
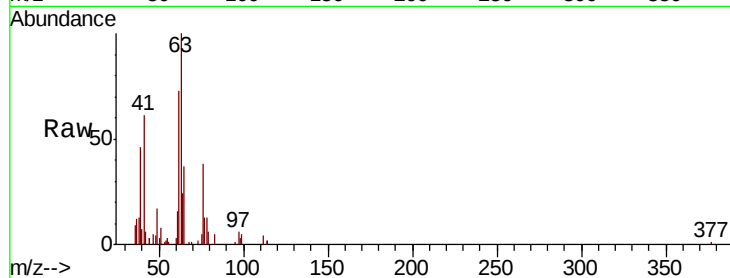




#45
 1,2-Dichloropropane
 Concen: 22.682 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

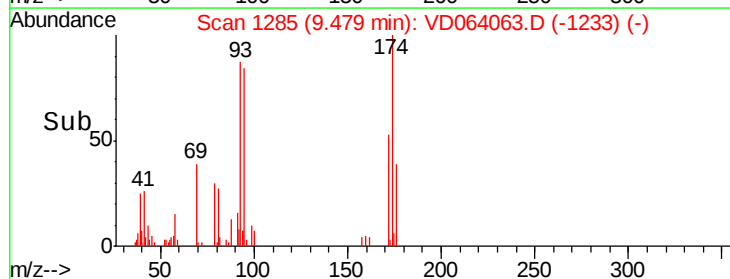
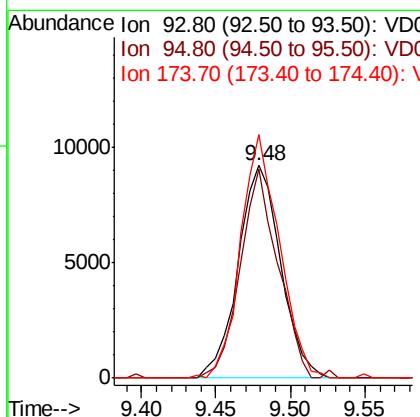
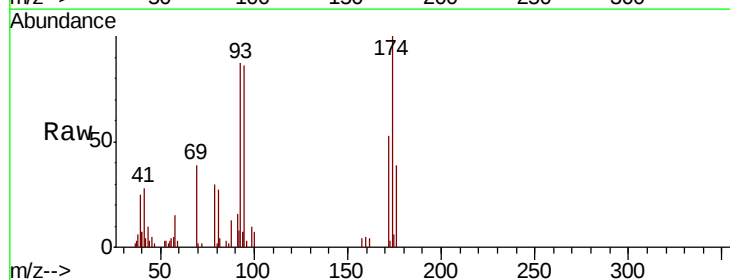
Instrument :
 MSVOA_D
 ClientSampleId :

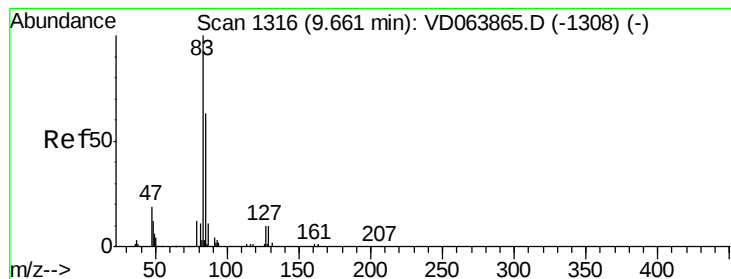
Tot Ion: 63 Resp: 32730
 Ion Ratio Lower Upper
 63 100
 65 34.8 27.3 40.9



#46
 Dibromomethane
 Concen: 22.087 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Tgt Ion: 93 Resp: 18151
 Ion Ratio Lower Upper
 93 100
 95 87.6 66.0 99.0
 174 104.8 83.4 125.0





#47

Bromodichloromethane

Concen: 21.139 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

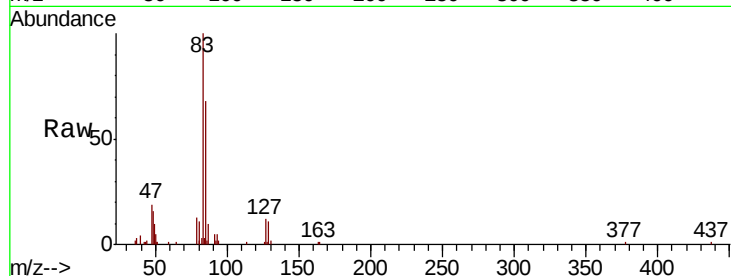
Tot Ion: 83 Resp: 44727

Ion Ratio Lower Upper

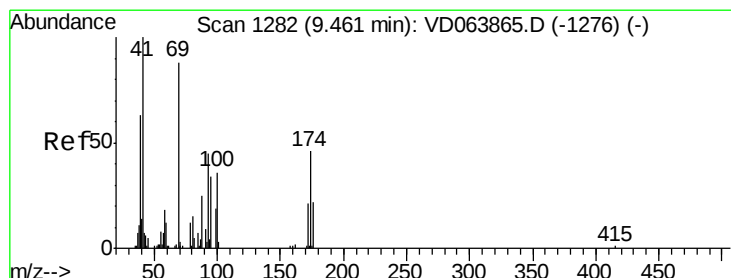
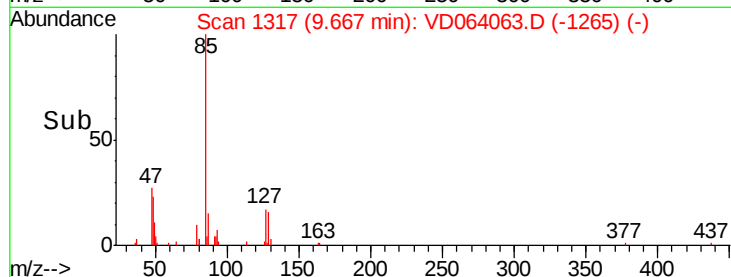
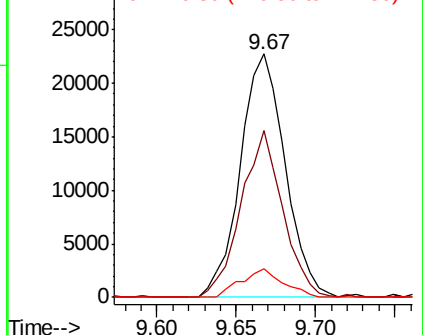
83 100

85 68.4 50.2 75.2

127 11.7 7.6 11.4#



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



#48

Methyl methacrylate

Concen: 19.452 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

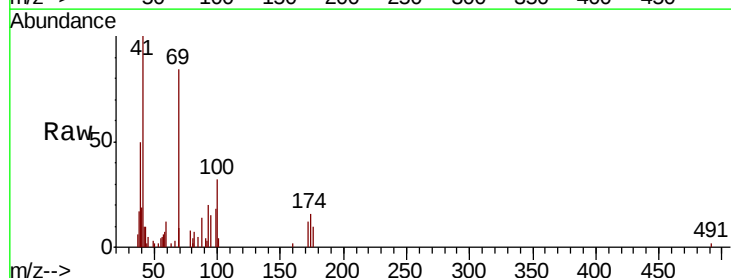
Tgt Ion: 41 Resp: 16080

Ion Ratio Lower Upper

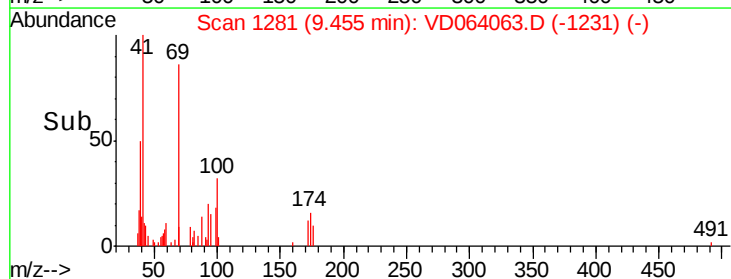
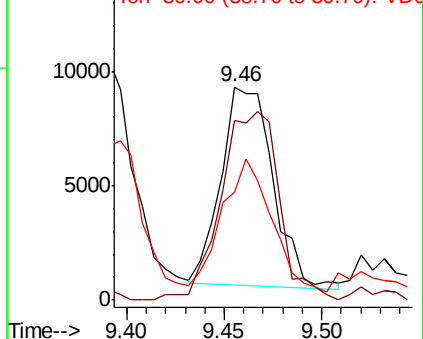
41 100

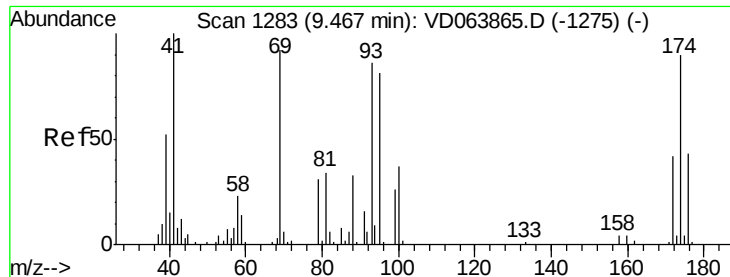
69 105.6 75.1 112.7

39 63.0 50.2 75.2



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





#49

1,4-Dioxane

Concen: 439.219 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampled :

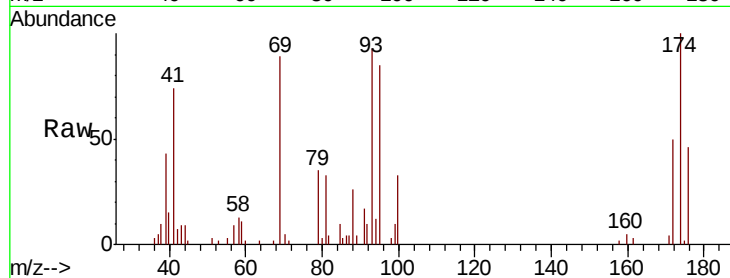
Tot Ion: 88 Resp: 4927

Ion Ratio Lower Upper

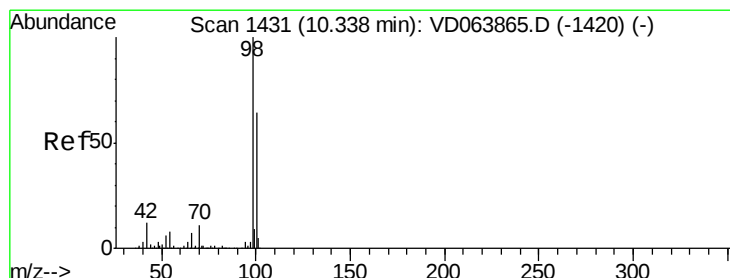
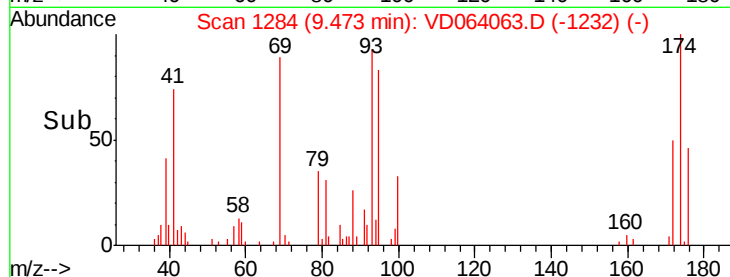
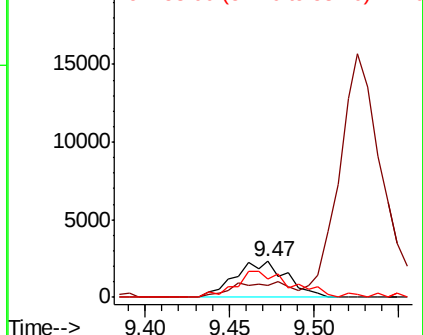
88 100

43 45.2 27.6 41.4#

58 77.0 54.1 81.1



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



#50

Toluene-d8

Concen: 55.411 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064063.D

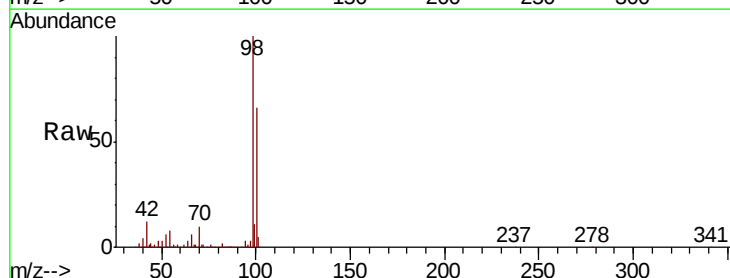
Acq: 25 Oct 2019 14:13

Tgt Ion: 98 Resp: 309259

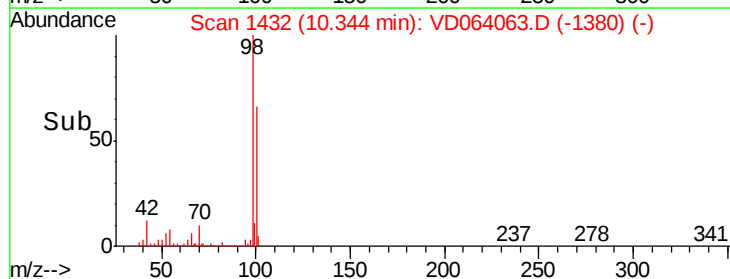
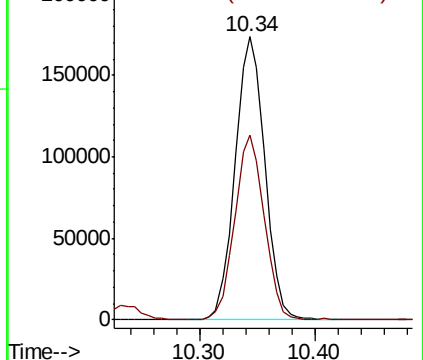
Ion Ratio Lower Upper

98 100

100 65.2 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 109.043 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

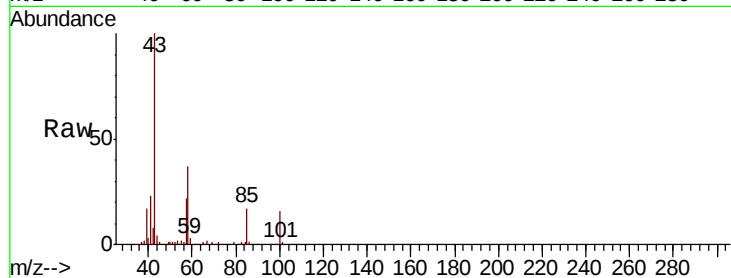
ClientSampleId :

Tot Ion: 43 Resp: 97568

Ion Ratio Lower Upper

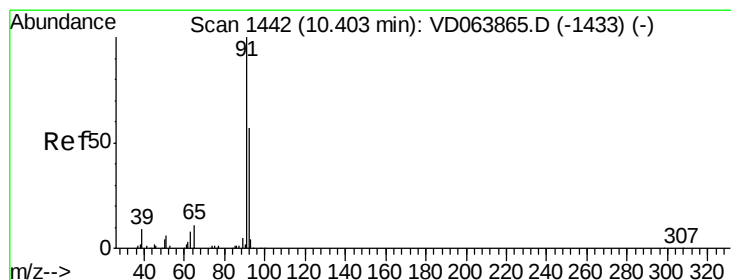
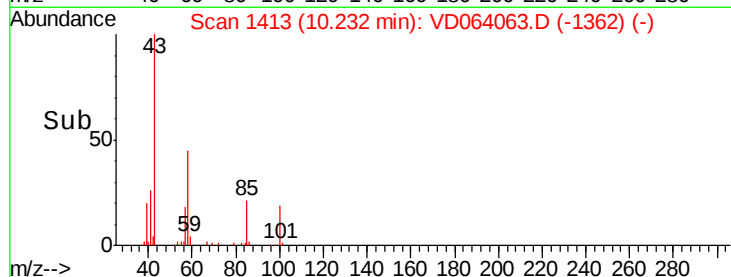
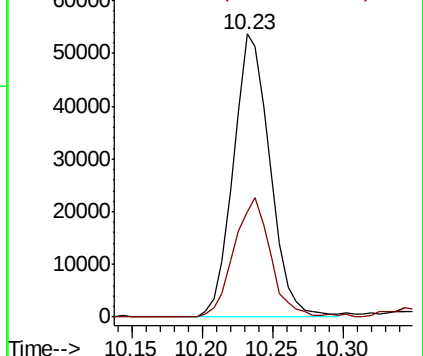
43 100

58 41.9 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 23.410 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064063.D

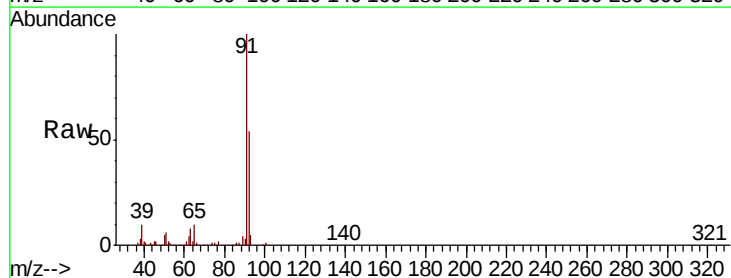
Acq: 25 Oct 2019 14:13

Tgt Ion: 92 Resp: 94741

Ion Ratio Lower Upper

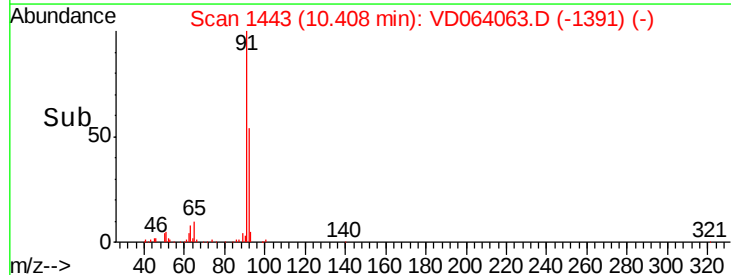
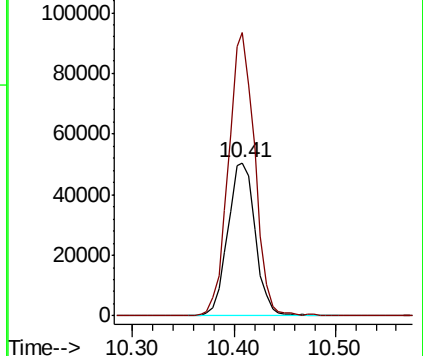
92 100

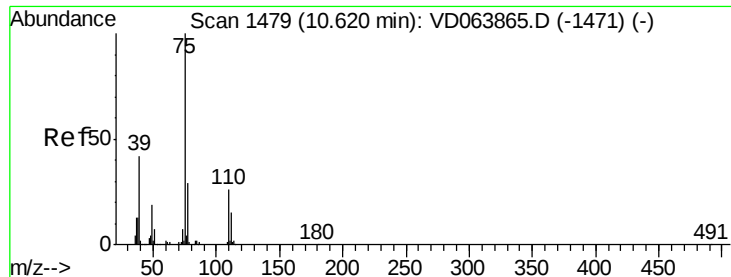
91 176.0 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

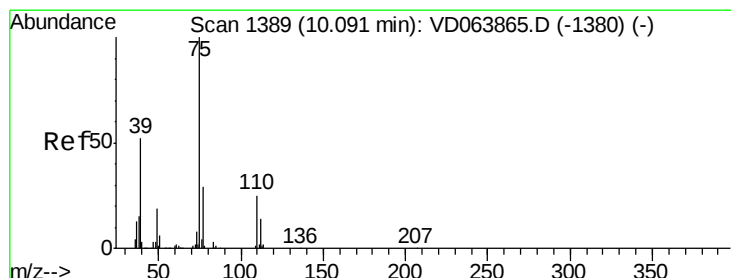
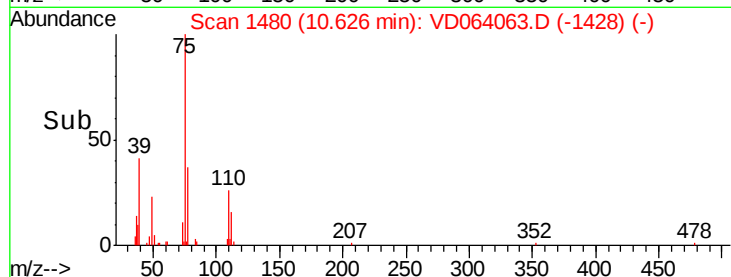
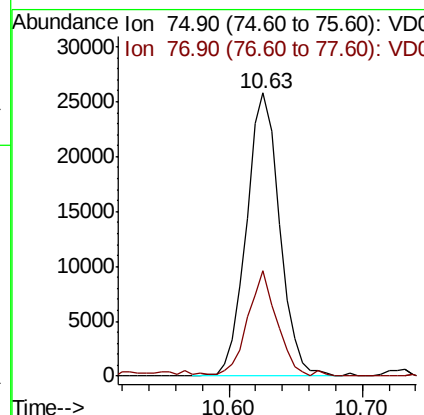
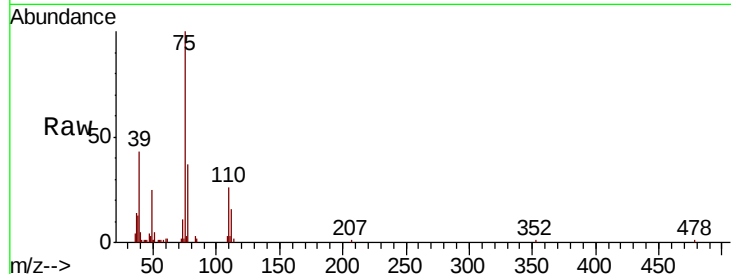




#53
 t-1,3-Dichloropropene
 Concen: 21.427 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

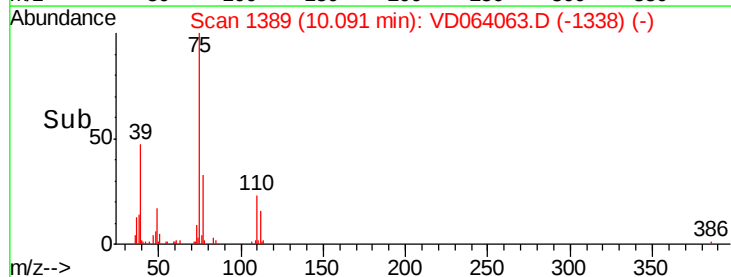
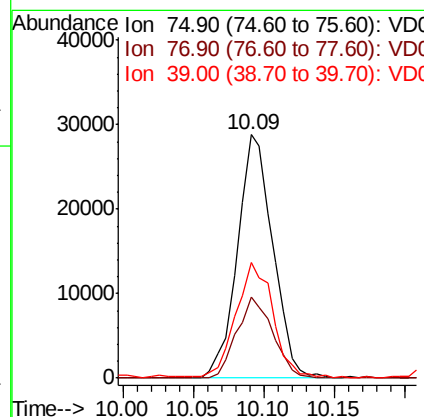
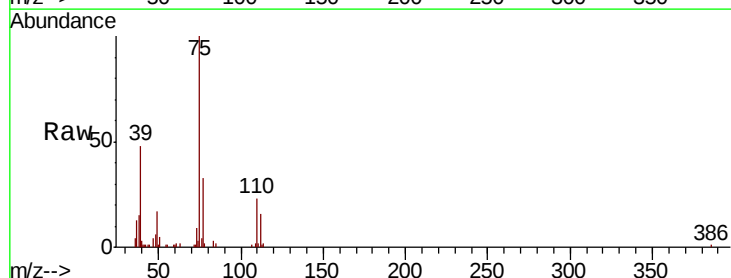
Instrument :
 MSVOA_D
 ClientSampled :

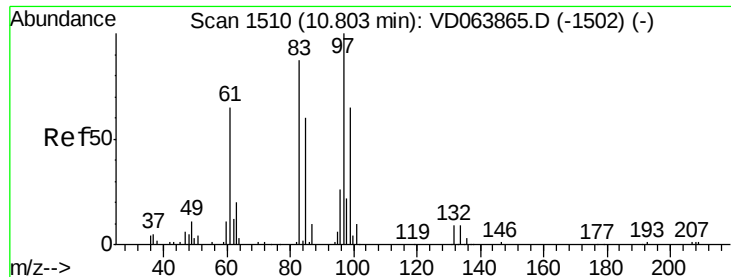
Tot Ion: 75 Resp: 44240
 Ion Ratio Lower Upper
 75 100
 77 37.2 22.8 34.2#



#54
 cis-1,3-Dichloropropene
 Concen: 21.241 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Tgt Ion: 75 Resp: 50483
 Ion Ratio Lower Upper
 75 100
 77 33.4 23.2 34.8
 39 46.9 41.5 62.3

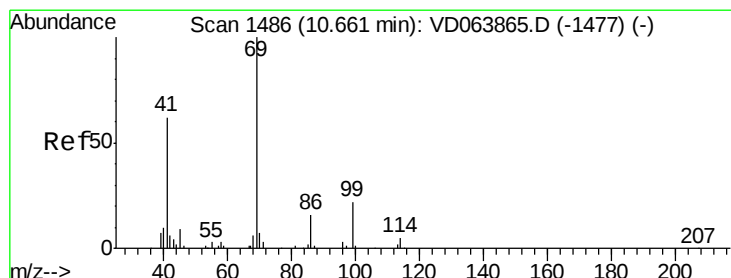
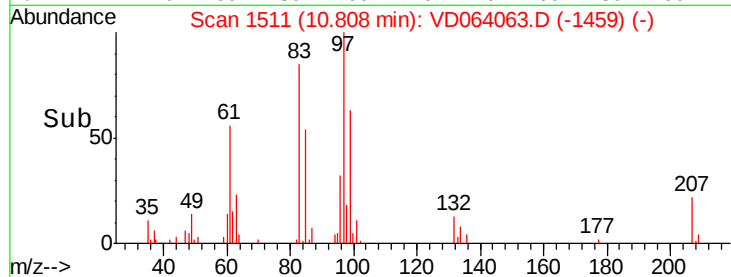
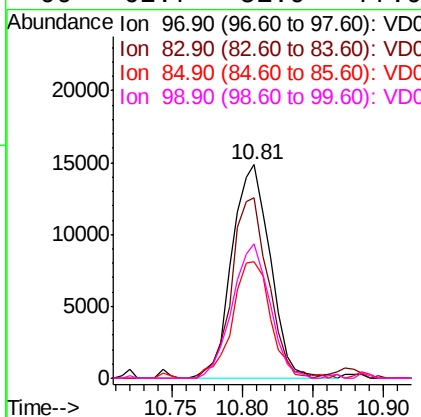
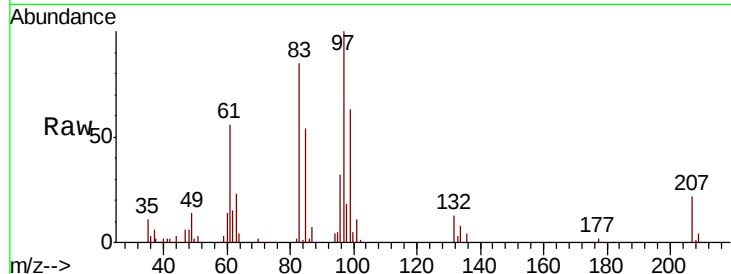




#55
 1,1,2-Trichloroethane
 Concen: 24.323 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

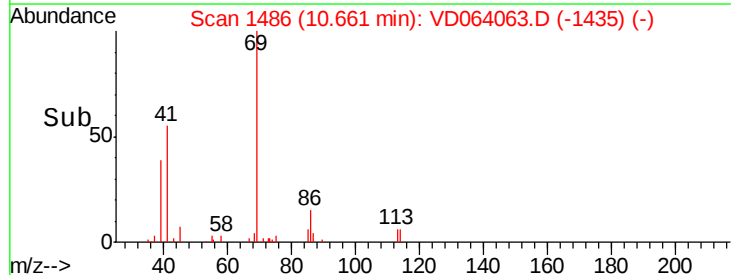
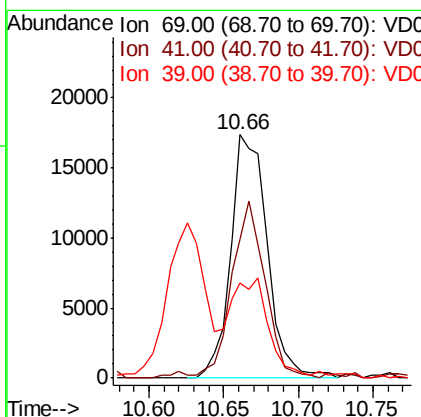
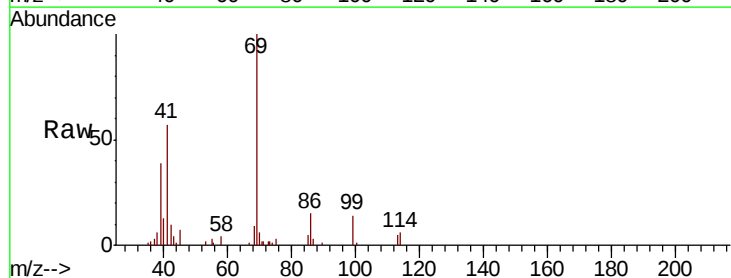
Instrument :
 MSVOA_D
 ClientSampleId :

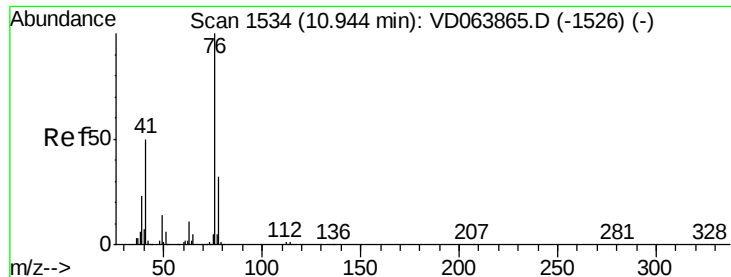
Tot Ion: 97 Resp: 28223
 Ion Ratio Lower Upper
 97 100
 83 84.7 69.7 104.5
 85 54.4 48.1 72.1
 99 62.7 51.9 77.9



#56
 Ethyl methacrylate
 Concen: 20.205 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Tgt Ion: 69 Resp: 29690
 Ion Ratio Lower Upper
 69 100
 41 65.9 51.3 76.9
 39 38.1 28.0 42.0





#57

1,3-Dichloropropane

Concen: 24.169 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

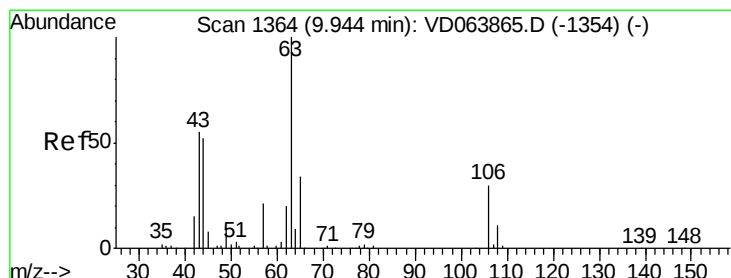
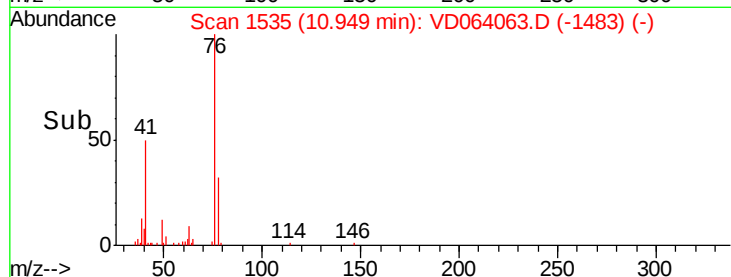
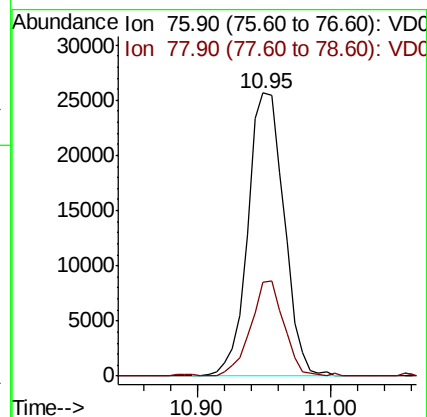
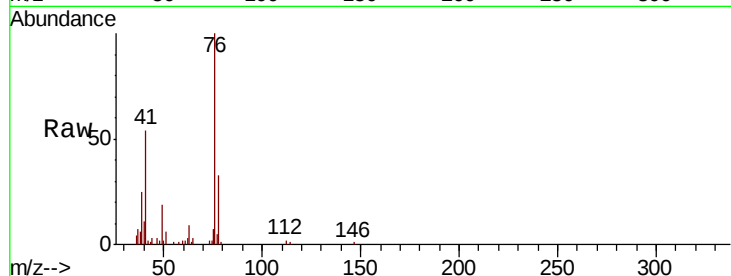
ClientSampled :

Tot Ion: 76 Resp: 47984

Ion Ratio Lower Upper

76 100

78 30.7 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 101.894 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064063.D

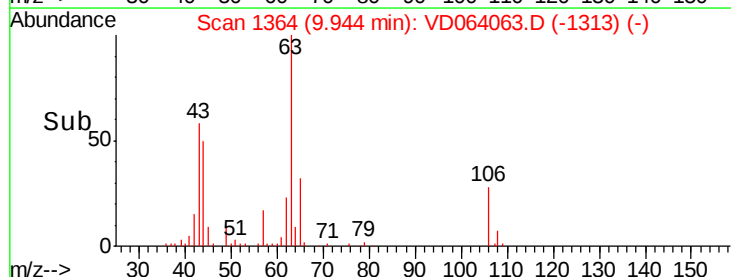
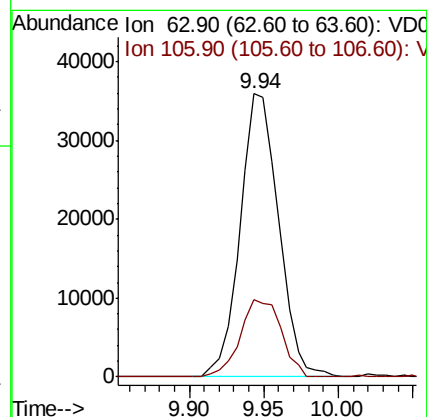
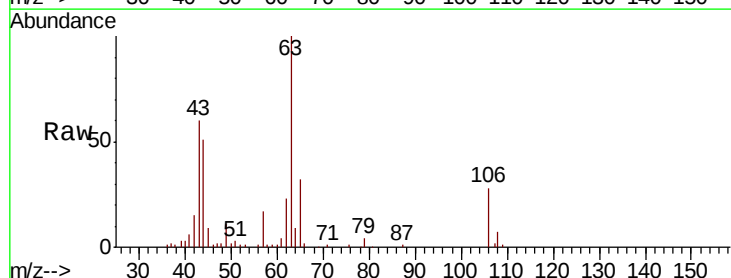
Acq: 25 Oct 2019 14:13

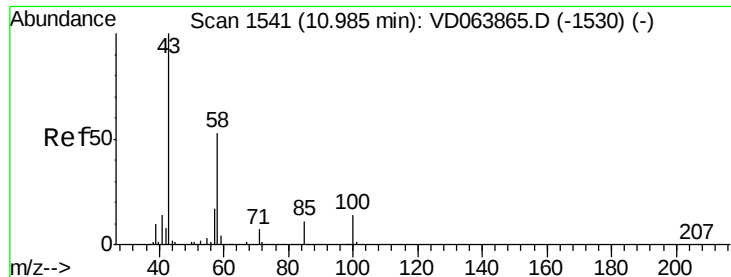
Tgt Ion: 63 Resp: 64358

Ion Ratio Lower Upper

63 100

106 29.0 24.3 36.5

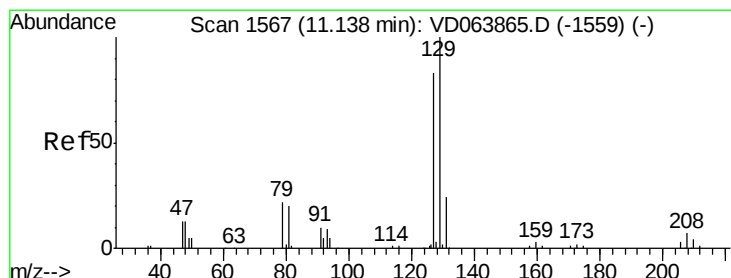
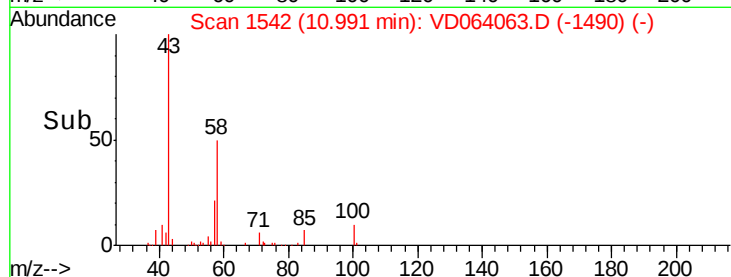
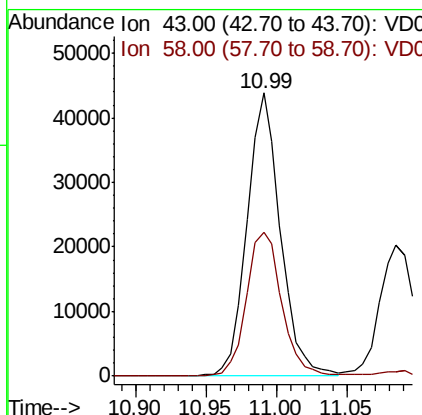
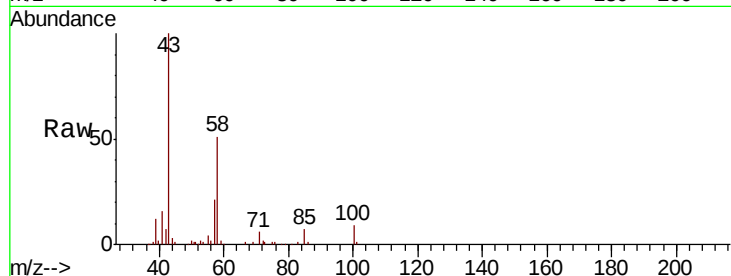




#59
2-Hexanone
Concen: 112.286 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

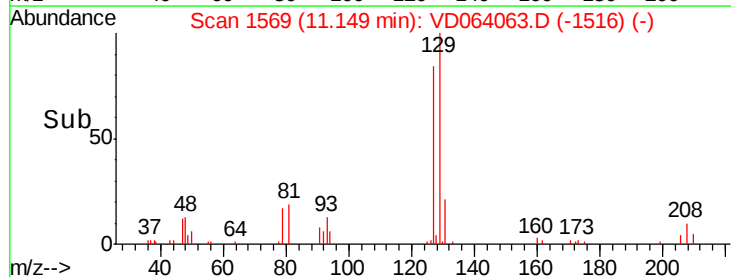
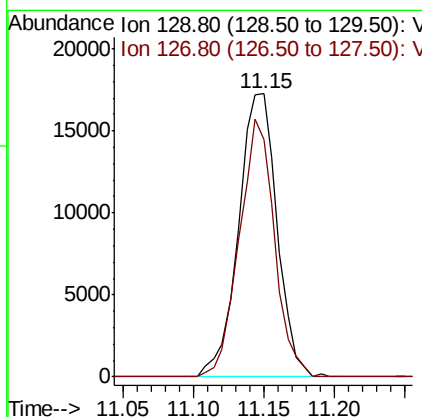
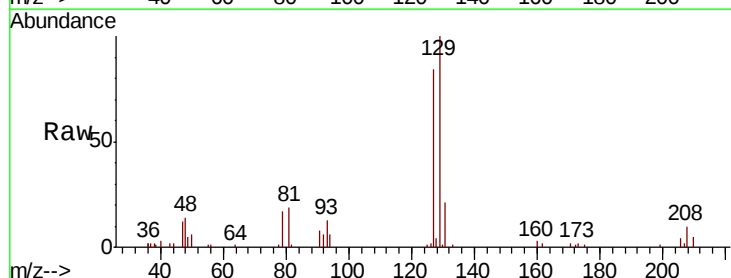
Instrument :
MSVOA_D
ClientSampleId :

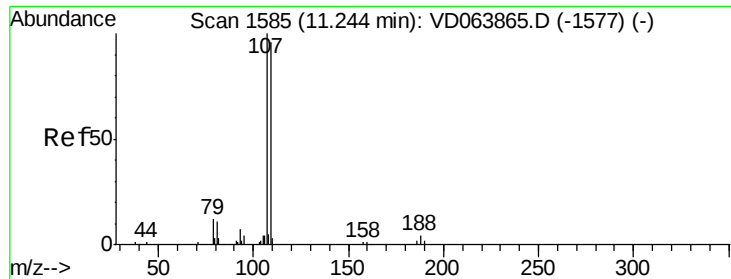
Tot Ion: 43 Resp: 72677
Ion Ratio Lower Upper
43 100
58 54.2 27.7 83.0



#60
Dibromochloromethane
Concen: 21.847 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion: 129 Resp: 33004
Ion Ratio Lower Upper
129 100
127 83.0 39.9 119.6

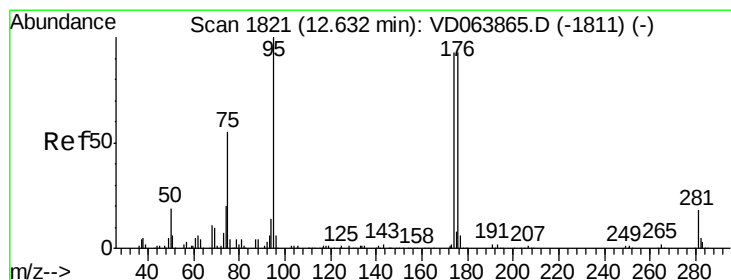
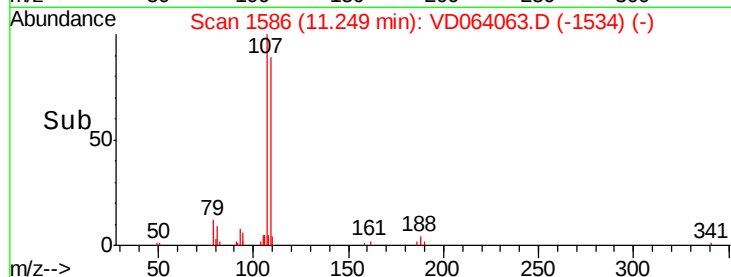
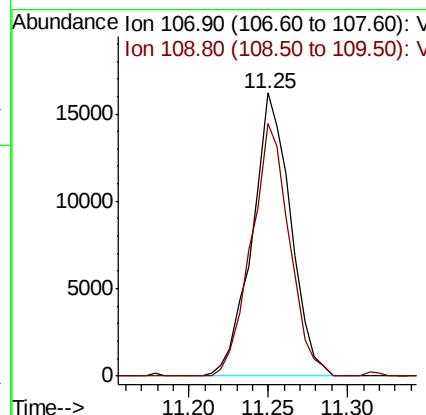
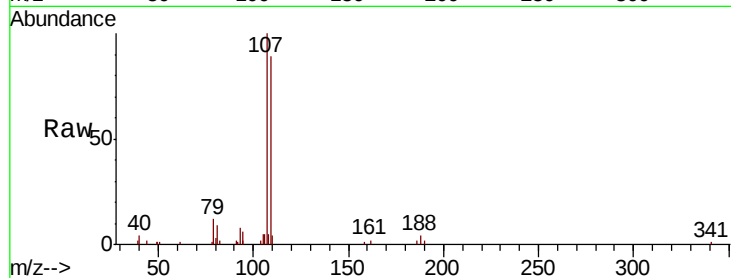




#61
 1,2-Dibromoethane
 Concen: 24.255 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

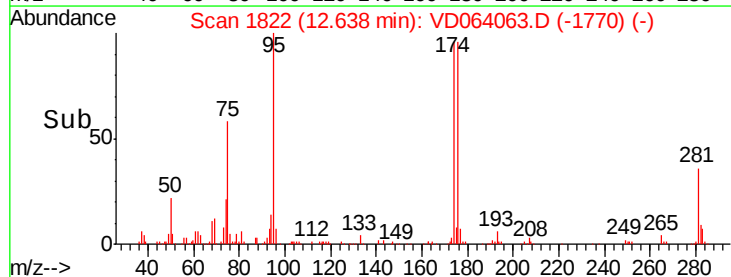
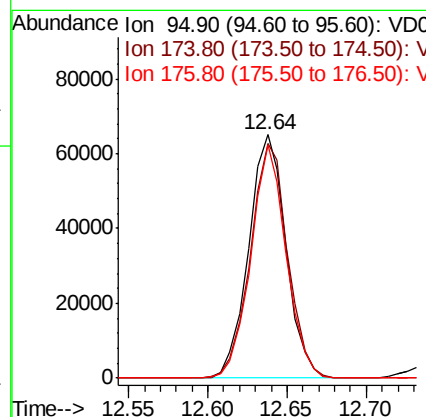
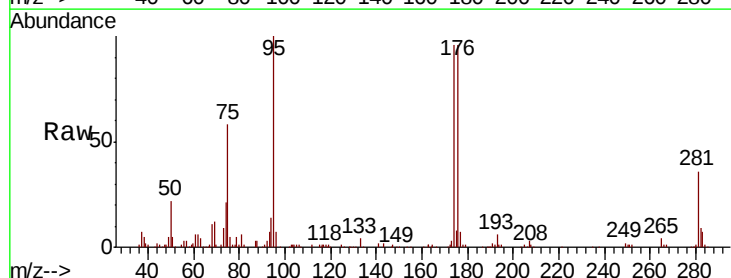
Instrument :
 MSVOA_D
 ClientSampleId :

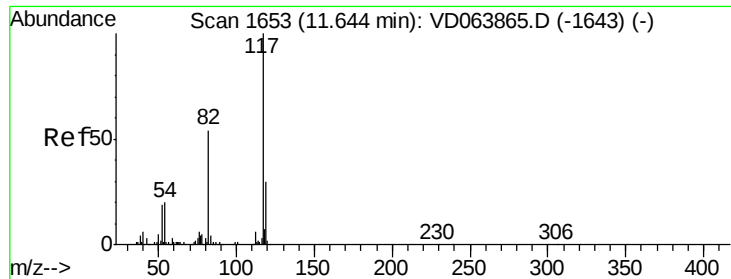
Tot Ion: 107 Resp: 27285
 Ion Ratio Lower Upper
 107 100
 109 88.5 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 54.487 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Tgt Ion: 95 Resp: 105674
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 186.4
 176 91.0 0.0 184.2

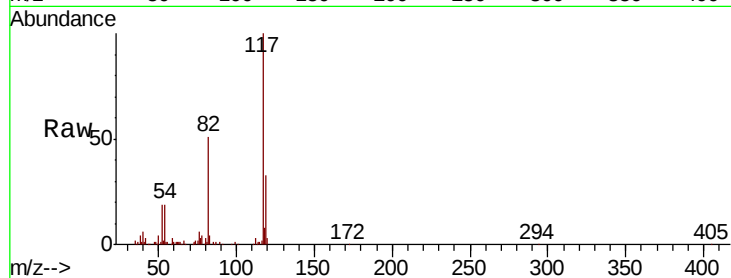




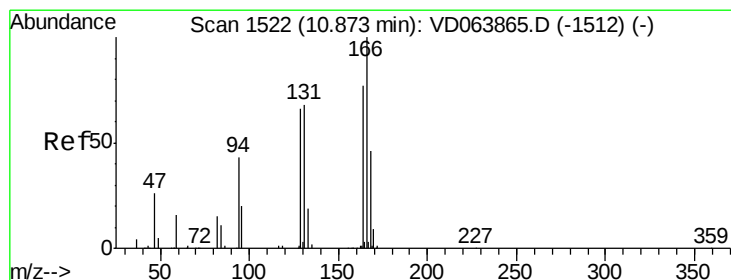
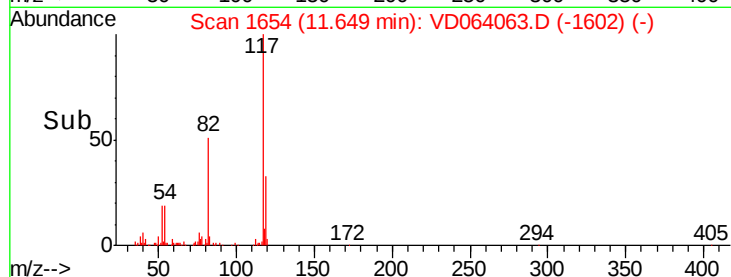
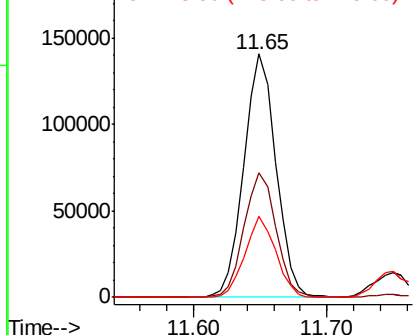
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 233589
Ion Ratio Lower Upper
117 100
82 51.0 42.8 64.2
119 33.3 24.4 36.6

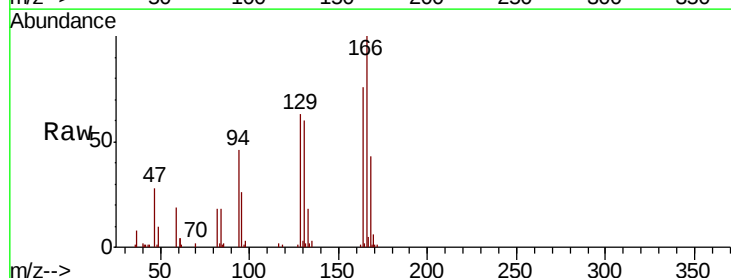


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

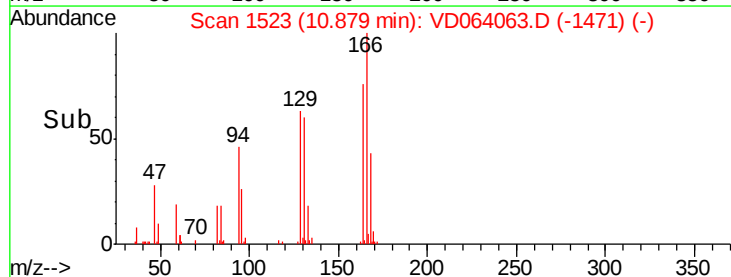
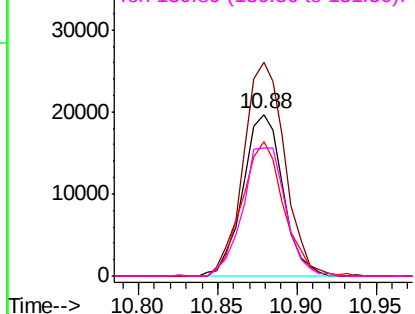


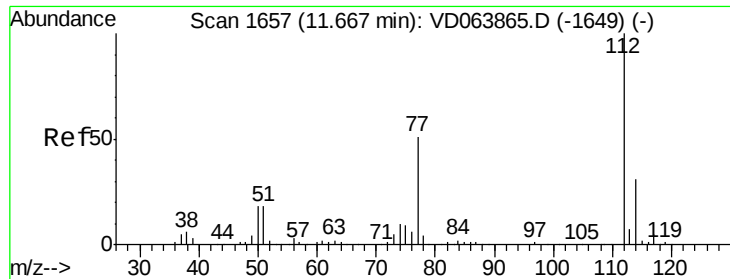
#64
Tetrachloroethene
Concen: 21.617 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion:164 Resp: 34471
Ion Ratio Lower Upper
164 100
166 132.2 103.8 155.6
129 83.5 68.9 103.3
131 79.5 70.9 106.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

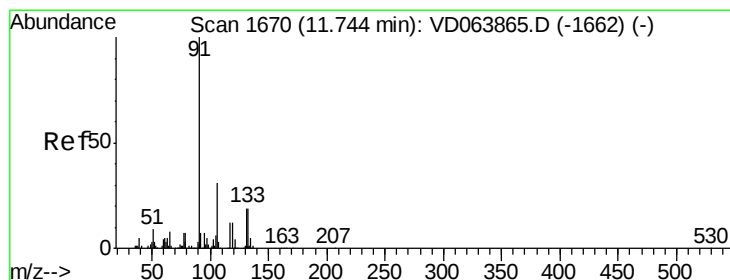
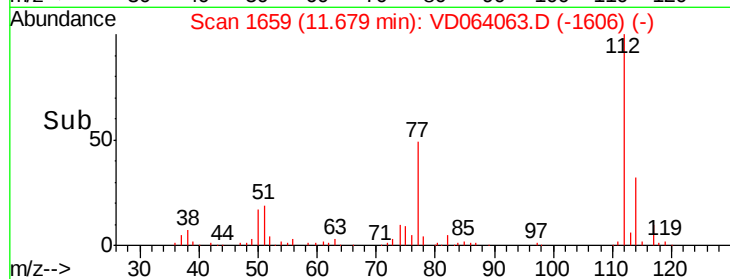
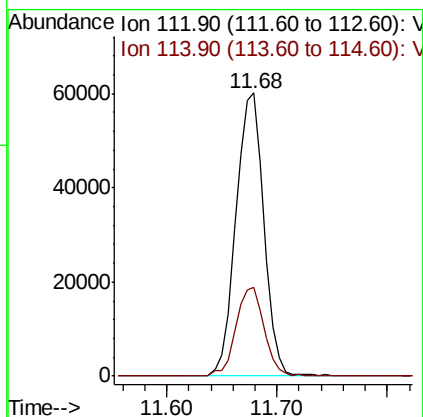
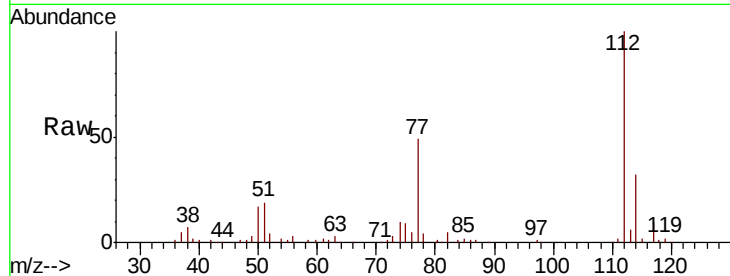




#65
Chlorobenzene
Concen: 22.805 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

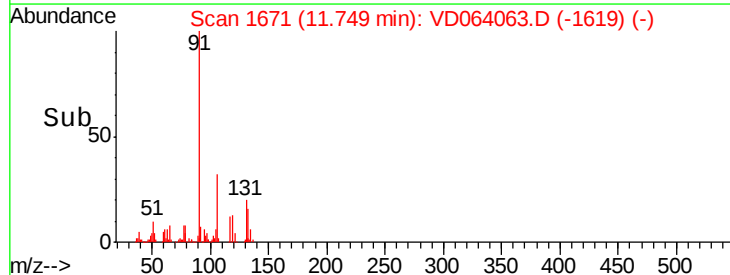
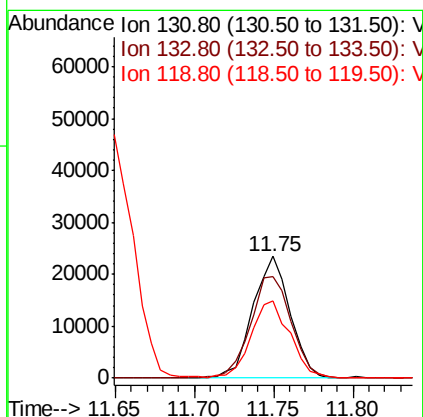
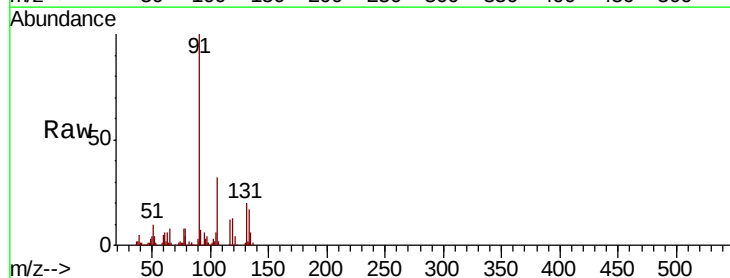
Instrument :
MSVOA_D
ClientSampleId :

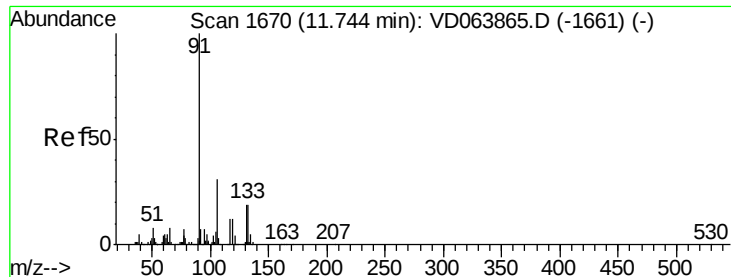
Tot Ion:112 Resp: 106980
Ion Ratio Lower Upper
112 100
114 31.6 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 22.304 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion:131 Resp: 38553
Ion Ratio Lower Upper
131 100
133 90.6 48.9 146.7
119 66.0 32.6 97.8

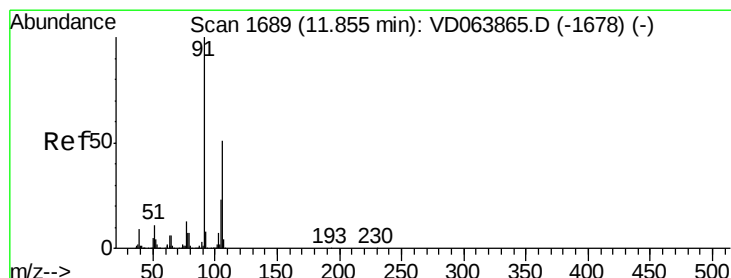
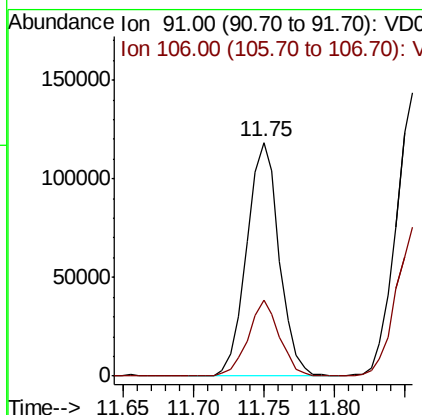
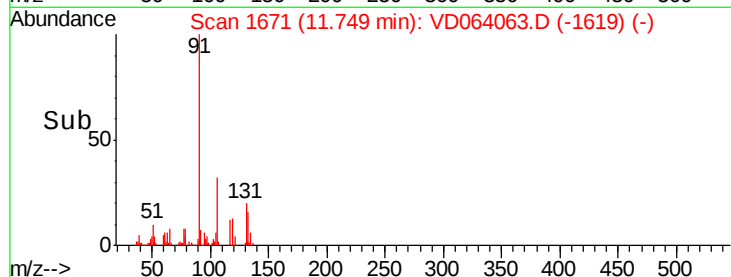
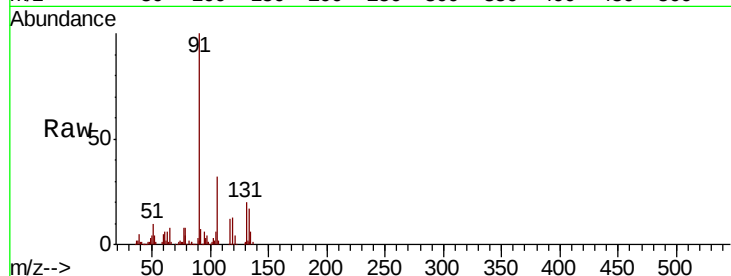




#67
Ethyl Benzene
Concen: 22.633 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

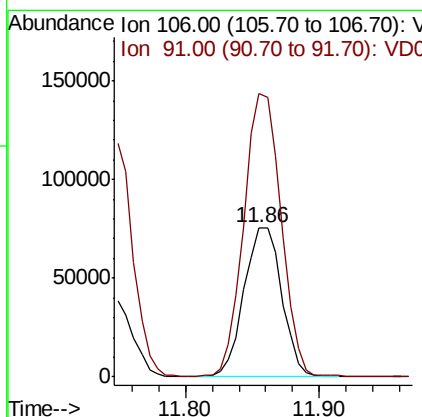
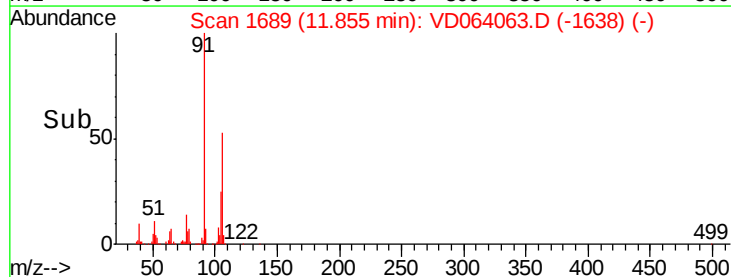
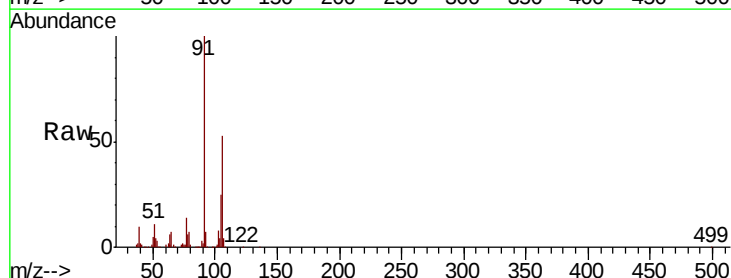
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 191452
Ion Ratio Lower Upper
91 100
106 32.4 24.6 37.0



#68
m/p-Xylenes
Concen: 45.311 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion: 106 Resp: 147939
Ion Ratio Lower Upper
106 100
91 188.0 154.8 232.2

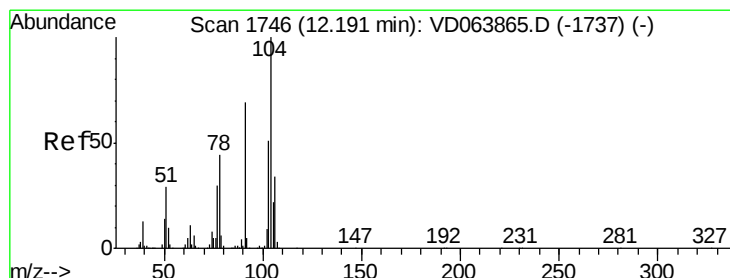
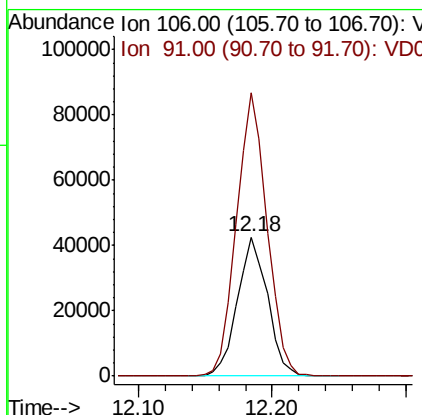
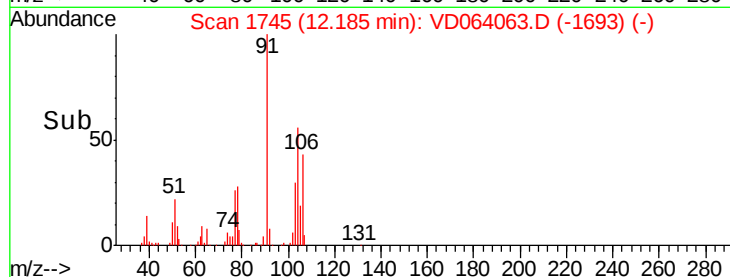
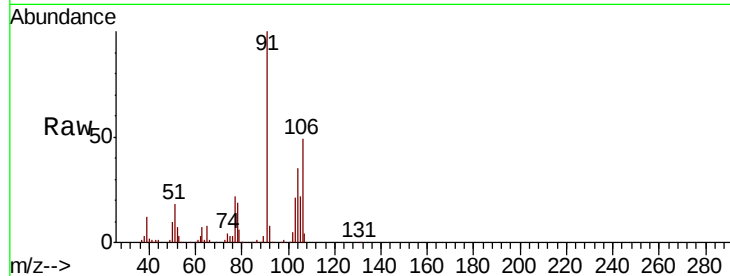




#69
o-Xylene
Concen: 21.295 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

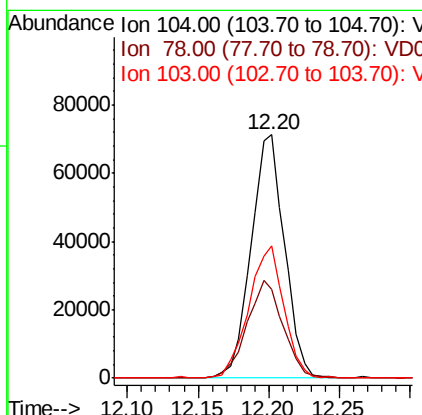
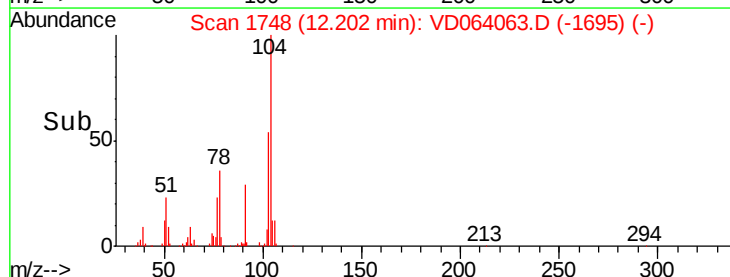
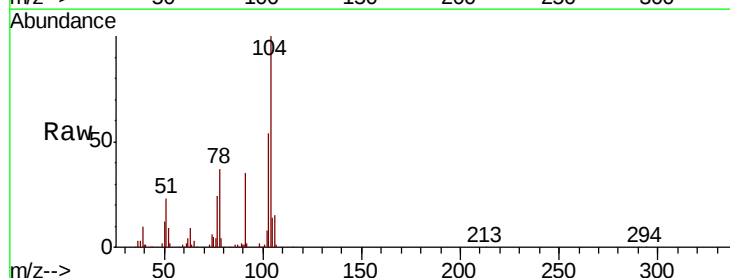
Instrument :
MSVOA_D
ClientSampled :

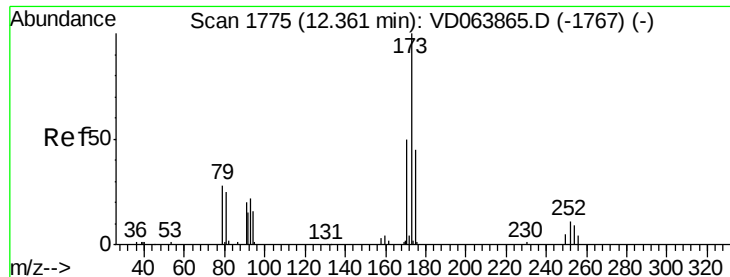
Tot Ion:106 Resp: 66577
Ion Ratio Lower Upper
106 100
91 206.0 103.9 311.7



#70
Styrene
Concen: 22.516 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion:104 Resp: 119166
Ion Ratio Lower Upper
104 100
78 43.1 37.0 55.4
103 56.9 44.2 66.4





#71

Bromoform

Concen: 22.526 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

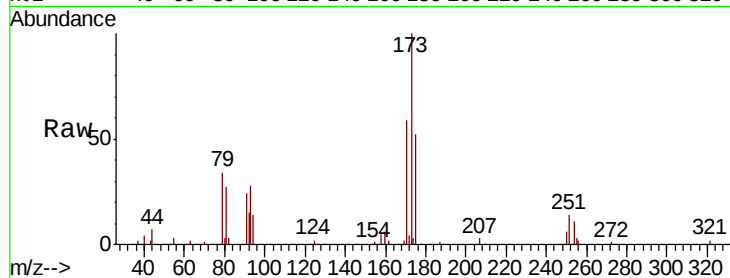
Tot Ion:173 Resp: 20897

Ion Ratio Lower Upper

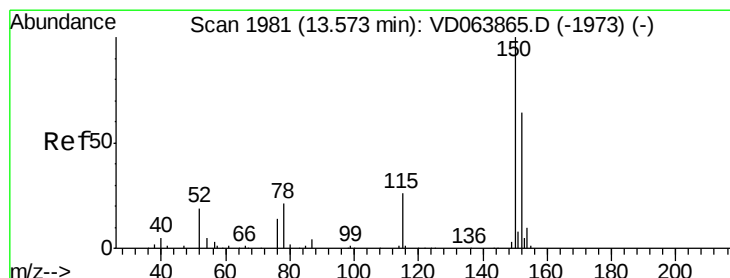
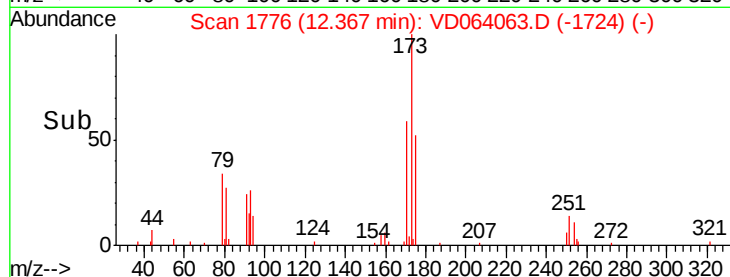
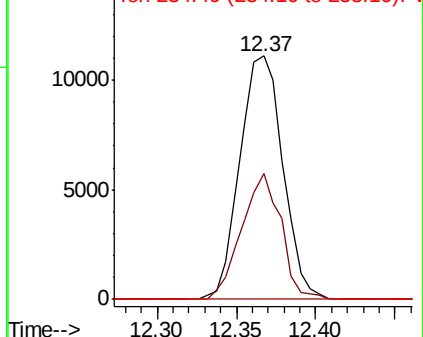
173 100

175 47.2 24.6 74.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

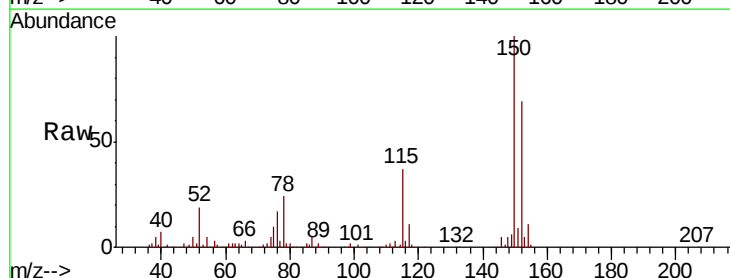
Tgt Ion:152 Resp: 129597

Ion Ratio Lower Upper

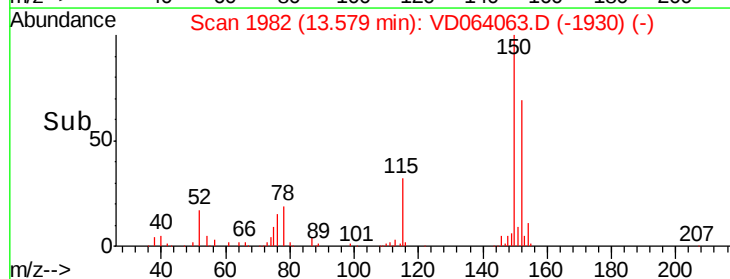
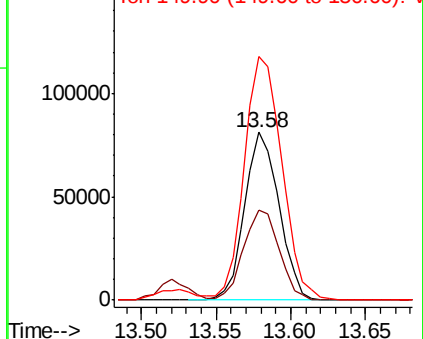
152 100

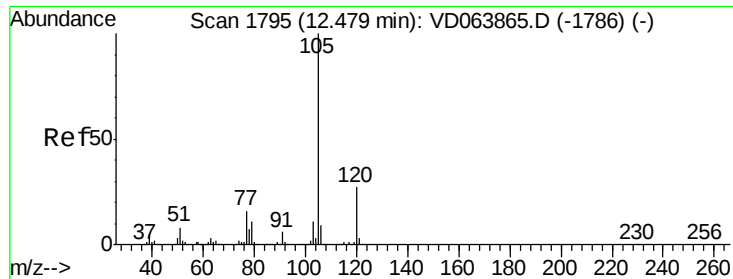
115 55.5 25.9 77.7

150 157.9 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: 21.350 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

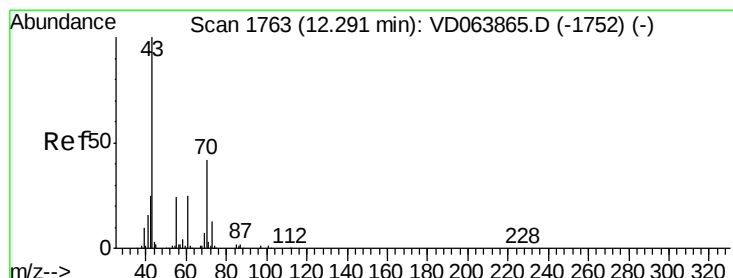
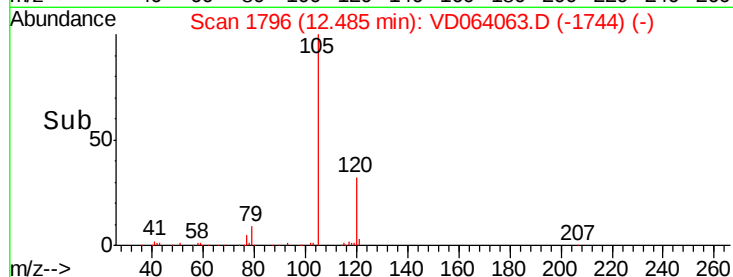
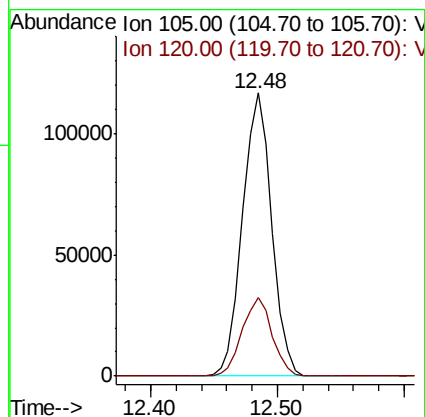
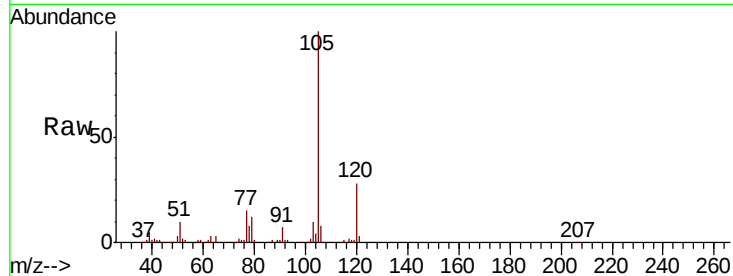
ClientSampled :

Tot Ion:105 Resp: 186006

Ion Ratio Lower Upper

105 100

120 28.7 13.3 39.8



#74

N-ethyl acetate

Concen: 19.056 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Tgt Ion: 43 Resp: 35745

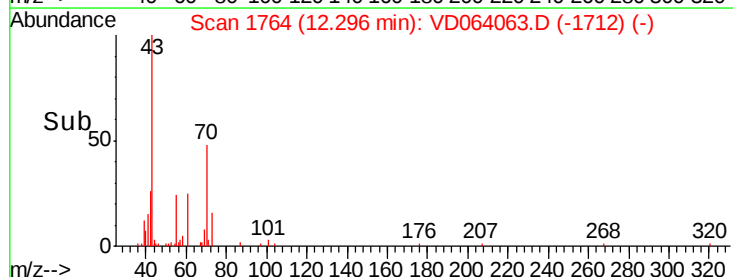
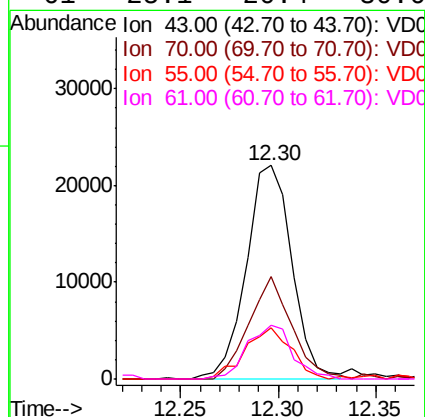
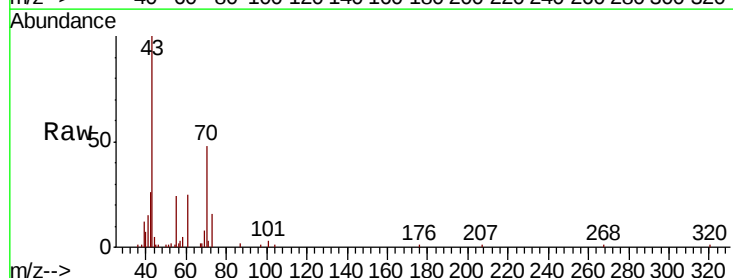
Ion Ratio Lower Upper

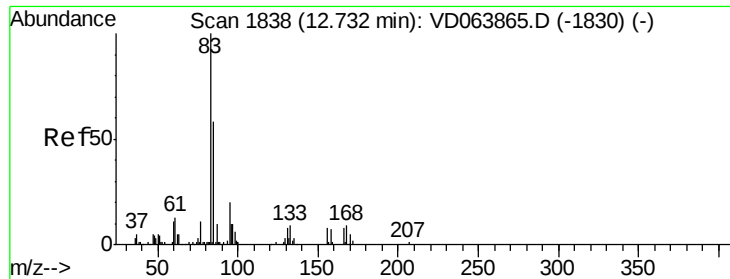
43 100

70 44.8 35.8 53.6

55 24.3 19.4 29.0

61 25.1 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.313 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

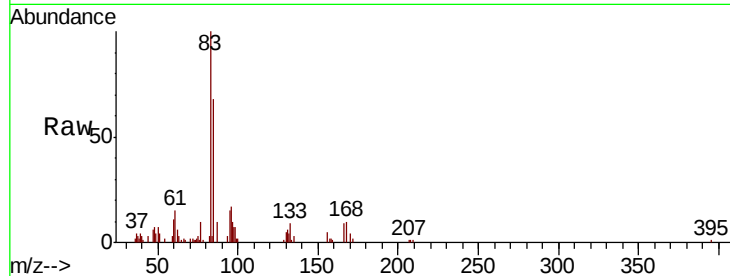
Tot Ion: 83 Resp: 32311

Ion Ratio Lower Upper

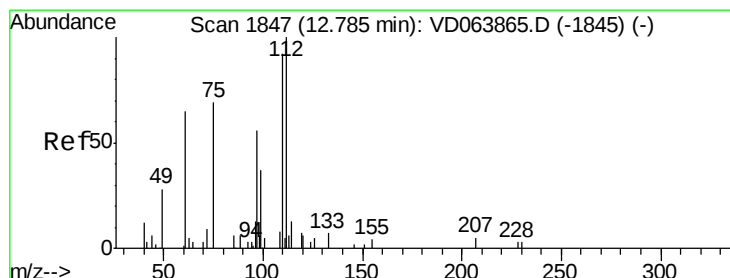
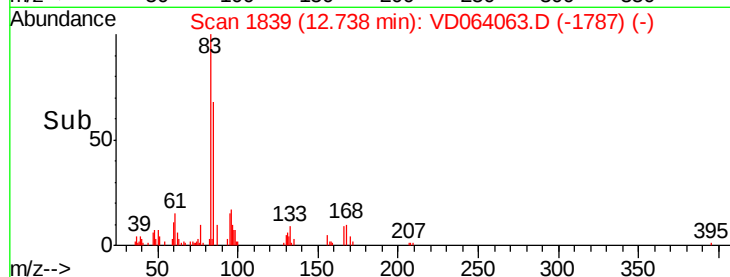
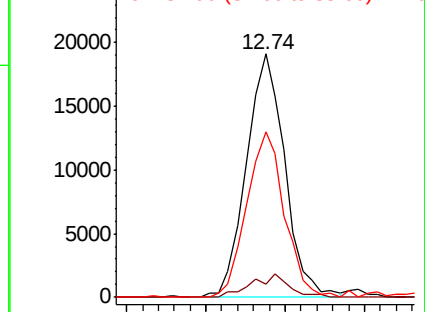
83 100

131 9.5 5.6 16.8

85 66.5 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 42.873 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064063.D

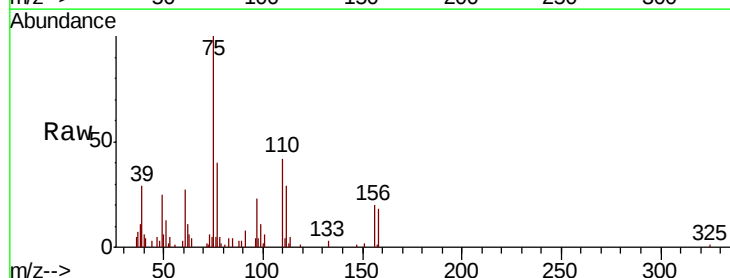
Acq: 25 Oct 2019 14:13

Tgt Ion: 75 Resp: 37214

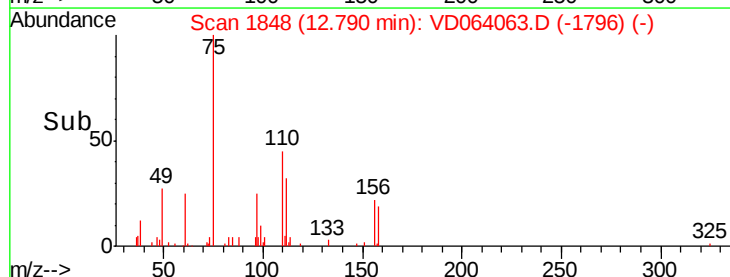
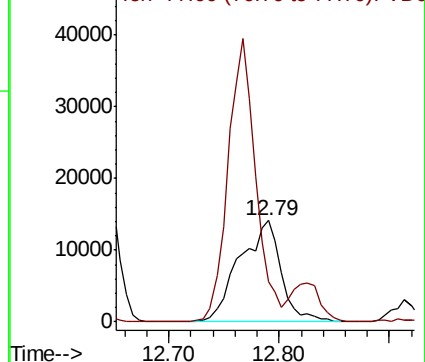
Ion Ratio Lower Upper

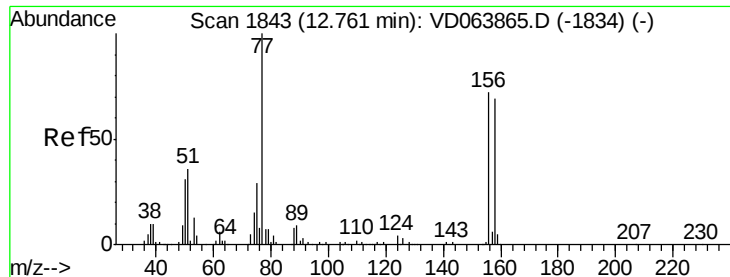
75 100

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: 20.538 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampled :

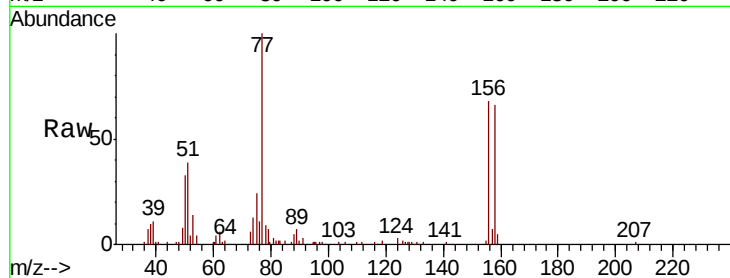
Tot Ion:156 Resp: 44580

Ion Ratio Lower Upper

156 100

77 155.5 80.3 241.0

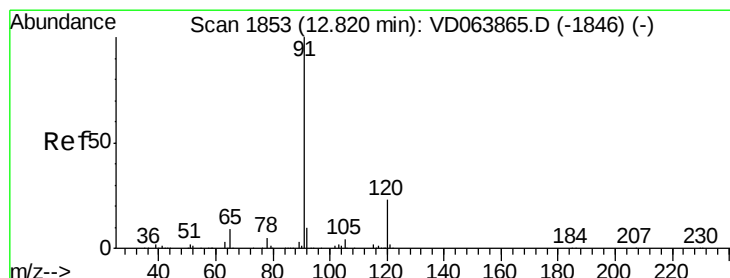
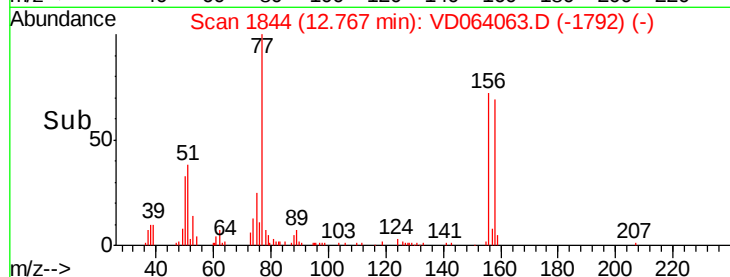
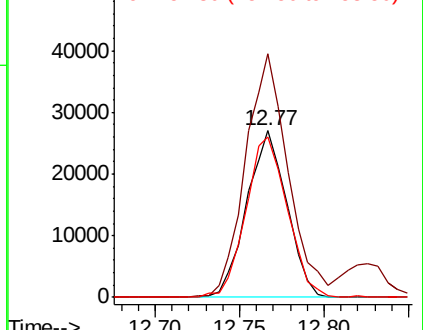
158 99.8 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.126 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD064063.D

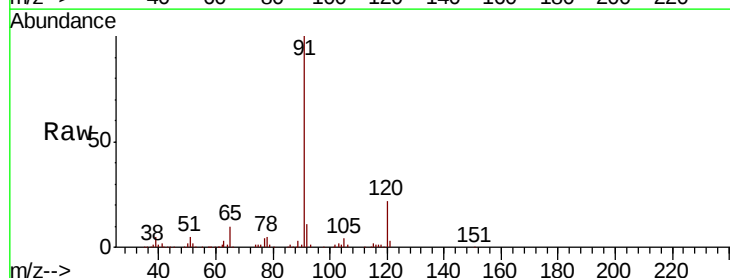
Acq: 25 Oct 2019 14:13

Tgt Ion: 91 Resp: 226265

Ion Ratio Lower Upper

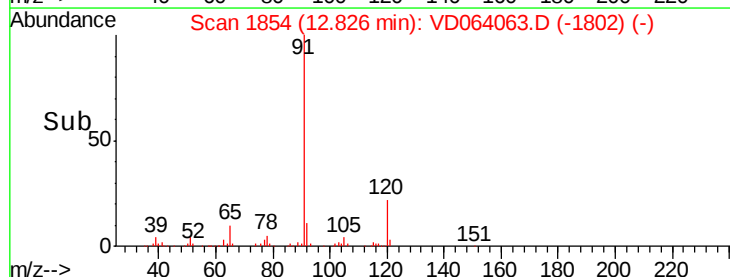
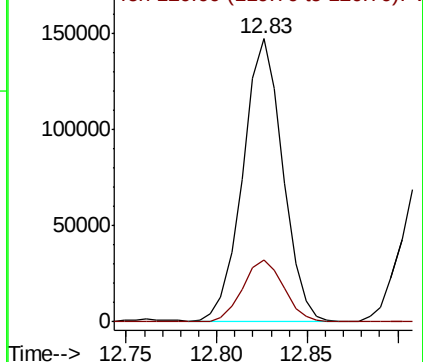
91 100

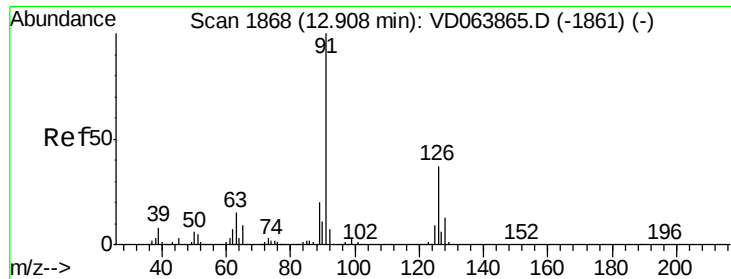
120 22.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

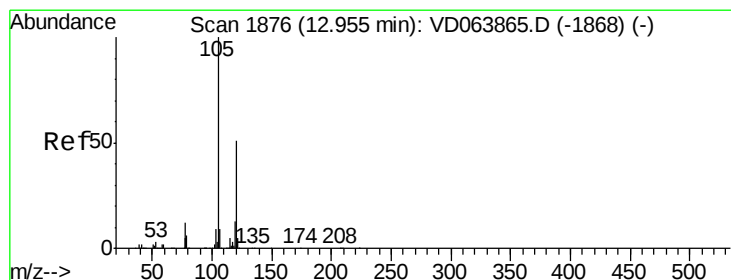
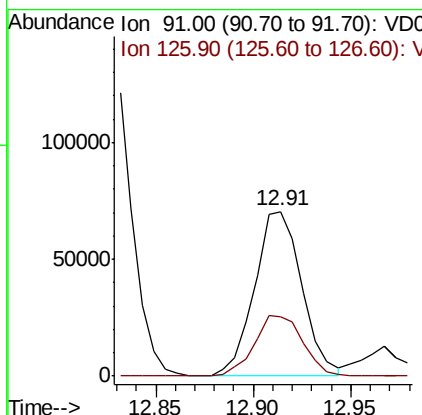
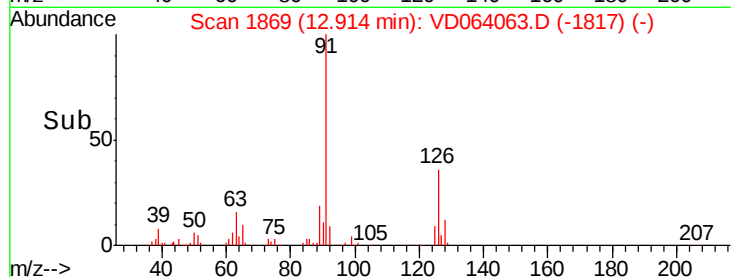
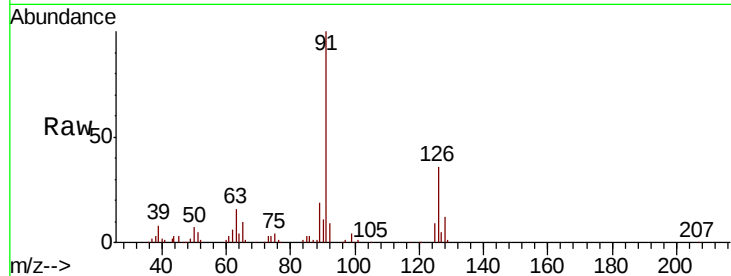




#79
2-Chlorotoluene
Concen: 21.024 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

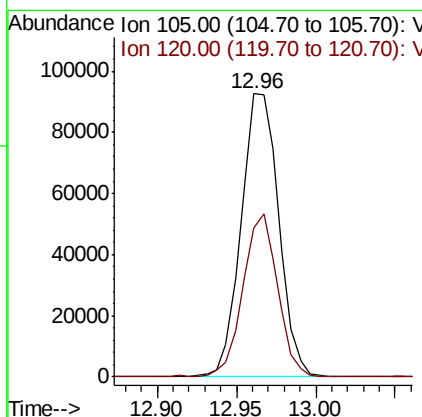
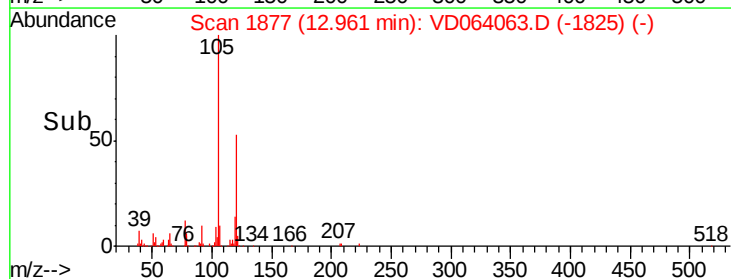
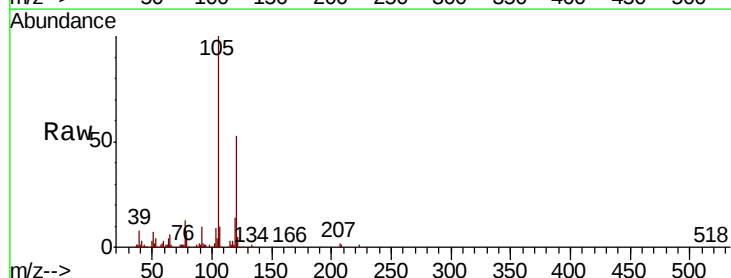
Instrument :
MSVOA_D
ClientSampled :

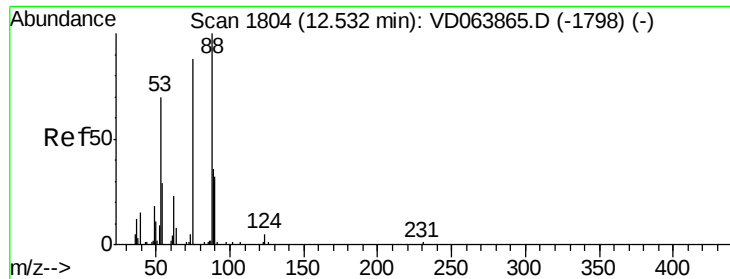
Tot Ion: 91 Resp: 118550
Ion Ratio Lower Upper
91 100
126 37.9 18.4 55.2



#80
1,3,5-Trimethylbenzene
Concen: 21.042 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion:105 Resp: 152943
Ion Ratio Lower Upper
105 100
120 53.1 25.9 77.8

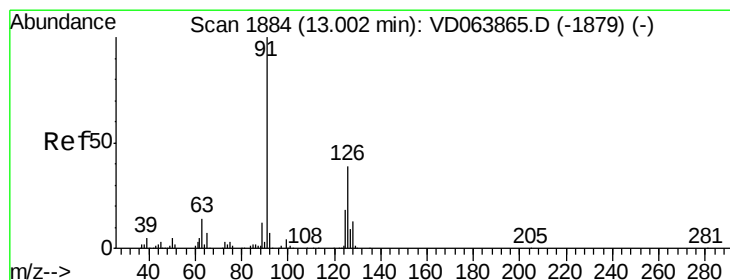
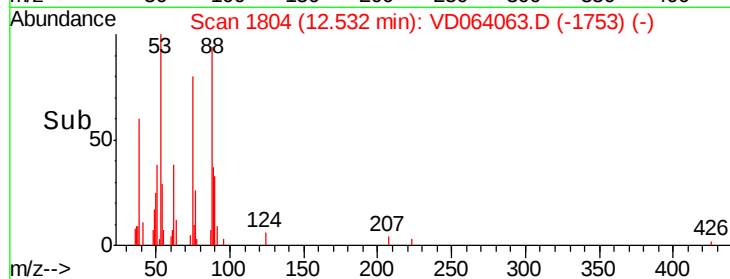
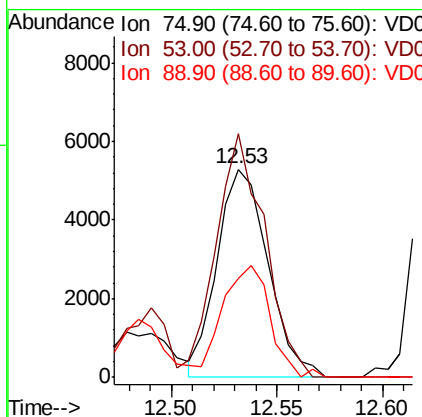
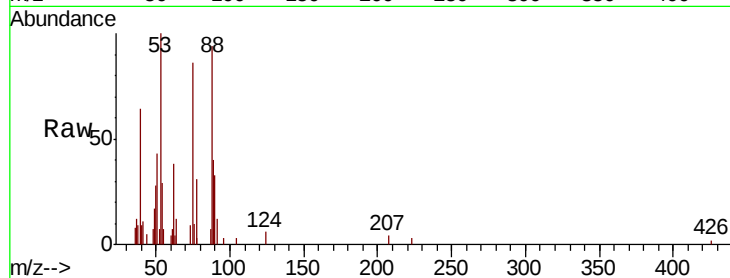




#81
trans-1,4-Dichloro-2-butene
Concen: 18.061 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

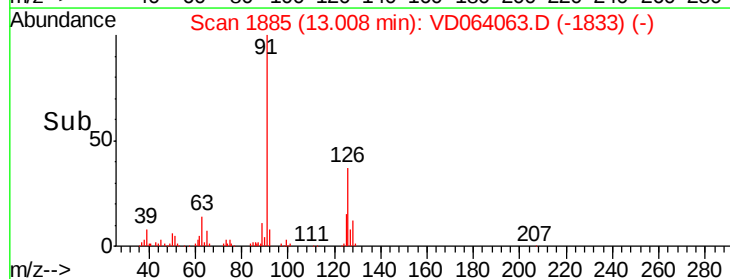
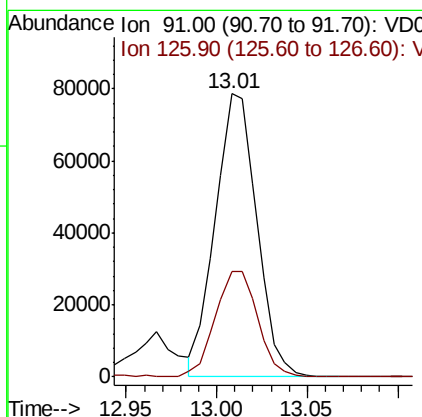
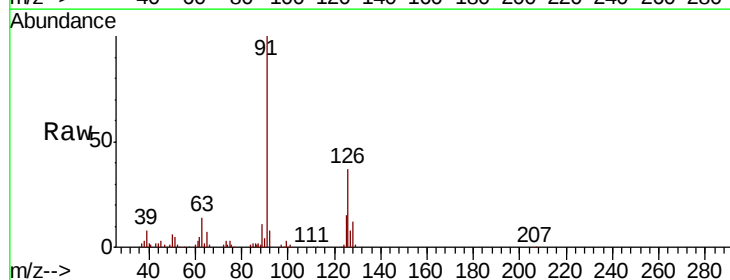
Instrument :
MSVOA_D
ClientSampleId :

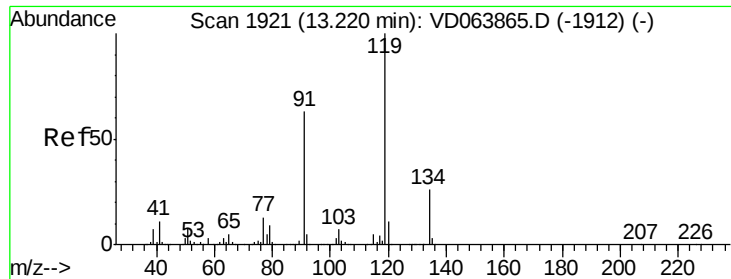
Tot Ion: 75 Resp: 8859
Ion Ratio Lower Upper
75 100
53 112.1 75.0 112.6
89 49.5 38.2 57.4



#82
4-Chlorotoluene
Concen: 20.996 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion: 91 Resp: 125591
Ion Ratio Lower Upper
91 100
126 38.2 18.6 55.8





#83

tert-Butylbenzene

Concen: 20.962 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

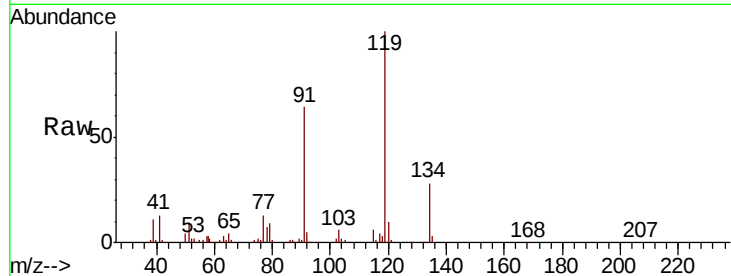
Tot Ion:119 Resp: 135598

Ion Ratio Lower Upper

119 100

91 61.0 30.0 90.0

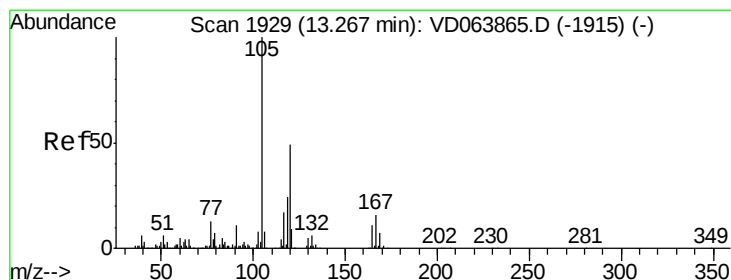
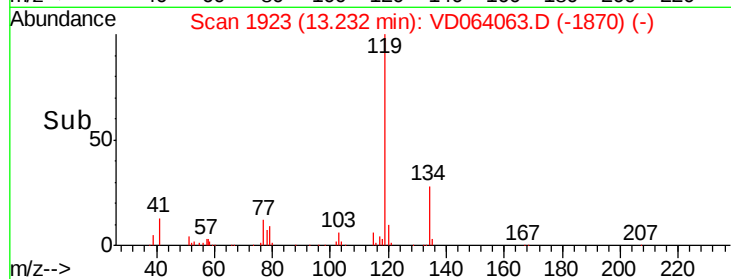
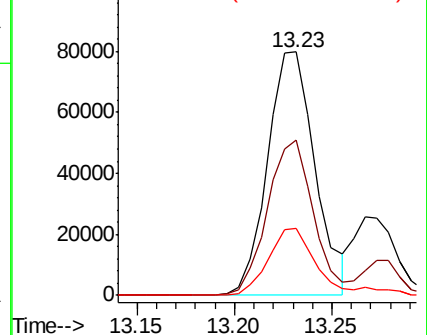
134 26.6 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.019 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.01 min

Lab File: VD064063.D

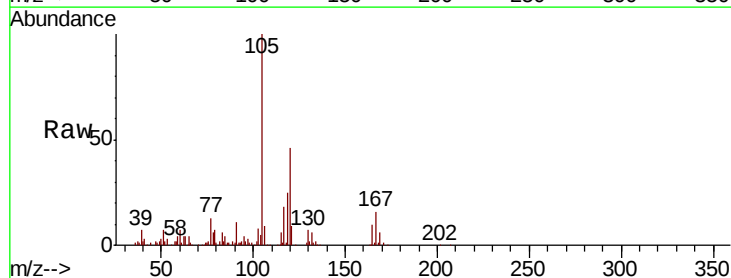
Acq: 25 Oct 2019 14:13

Tgt Ion:105 Resp: 157501

Ion Ratio Lower Upper

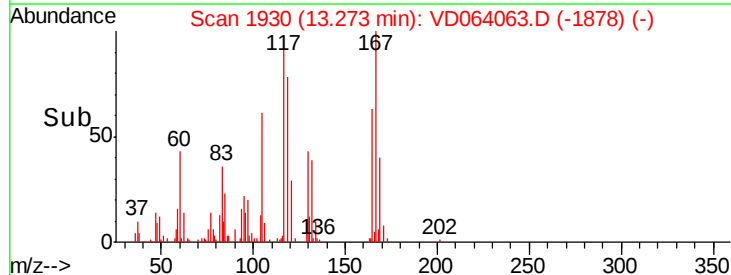
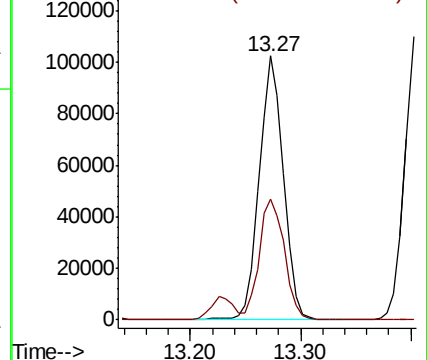
105 100

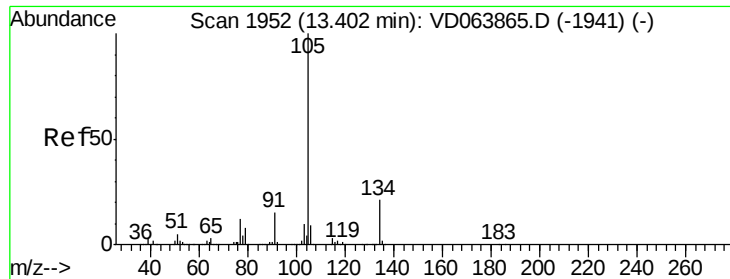
120 47.8 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.623 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

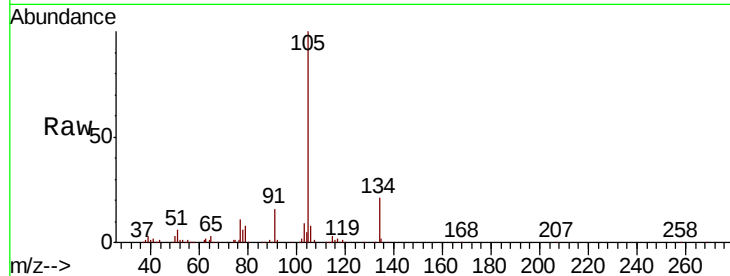
ClientSampleId :

Tot Ion:105 Resp: 197628

Ion Ratio Lower Upper

105 100

134 21.1 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

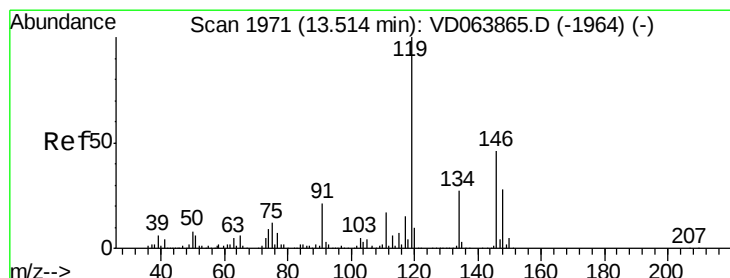
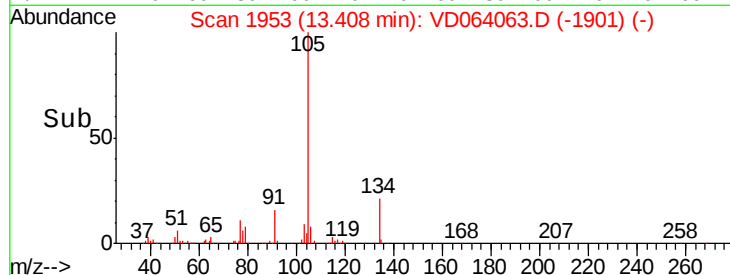
13.41

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.999 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

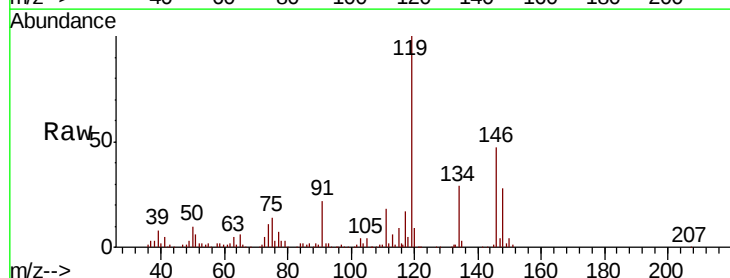
Tgt Ion:119 Resp: 181852

Ion Ratio Lower Upper

119 100

134 27.5 13.9 41.6

91 22.4 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

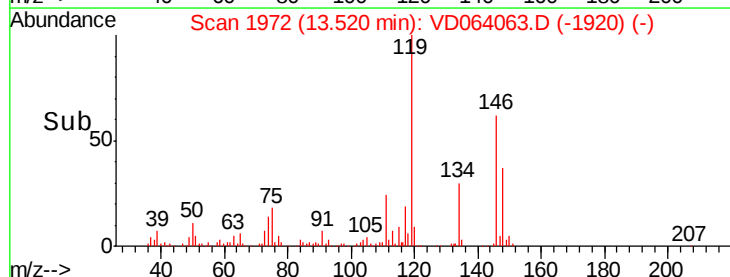
150000

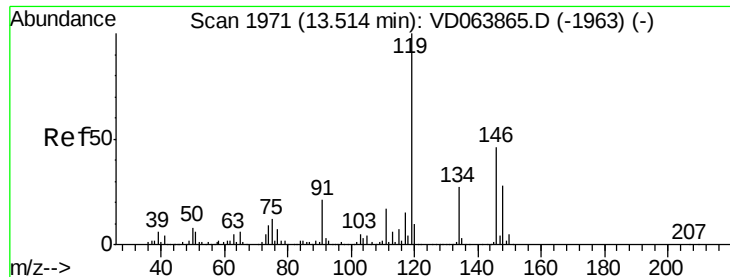
100000

50000

0

Time-->

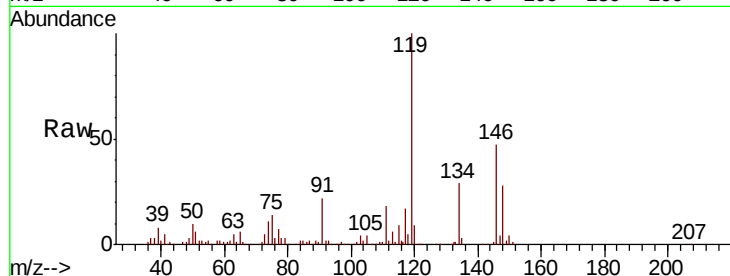




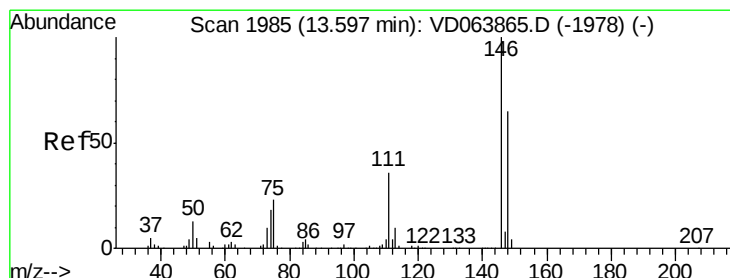
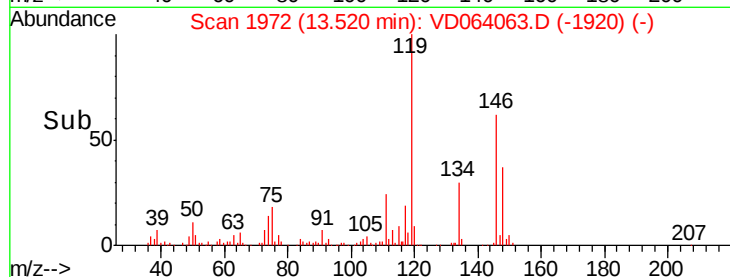
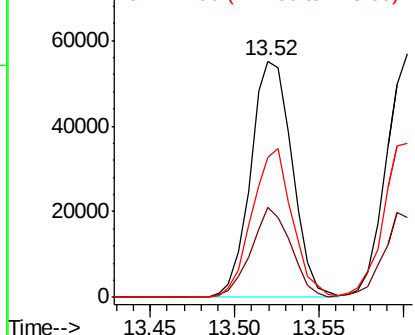
#87
 1,3-Dichlorobenzene
 Concen: 22.014 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 94414
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.3 54.9
 148 61.1 31.8 95.4

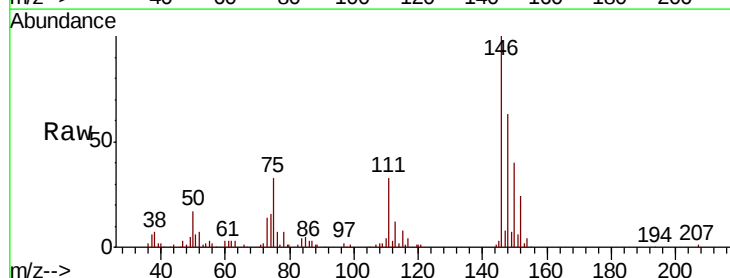


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

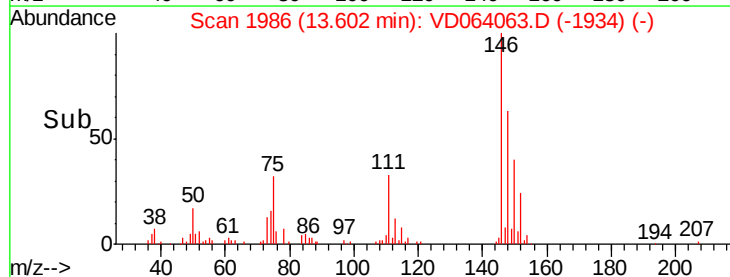
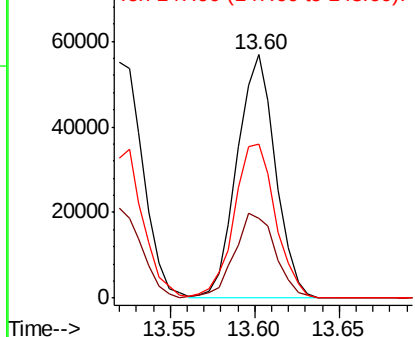


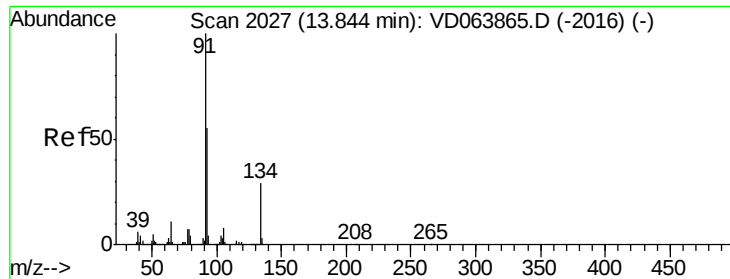
#88
 1,4-Dichlorobenzene
 Concen: 21.304 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Tgt Ion:146 Resp: 90139
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 56.0
 148 68.4 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

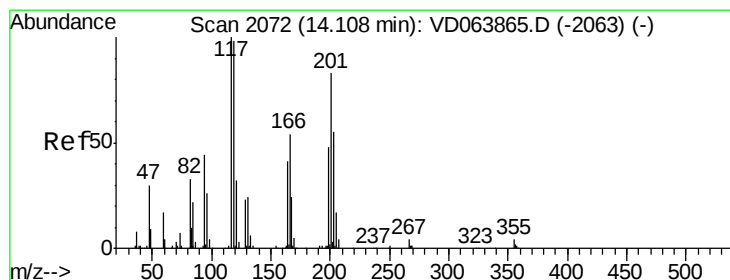
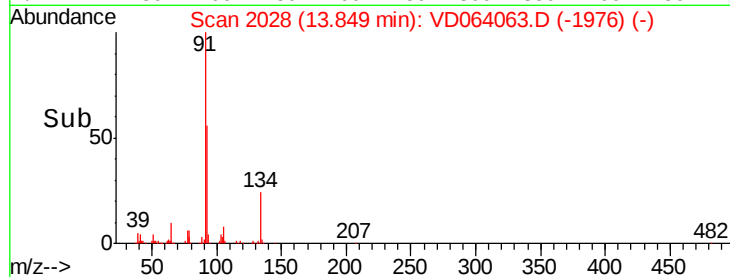
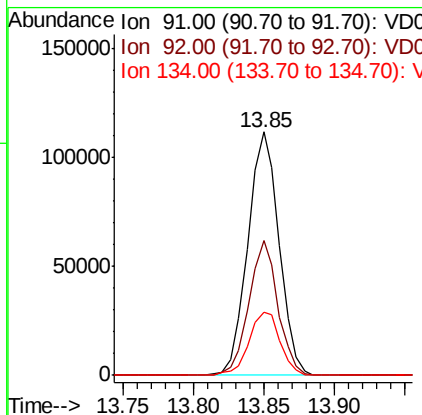
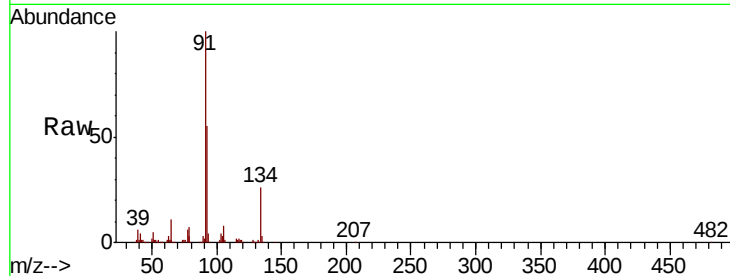




#89
n-Butylbenzene
Concen: 22.559 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

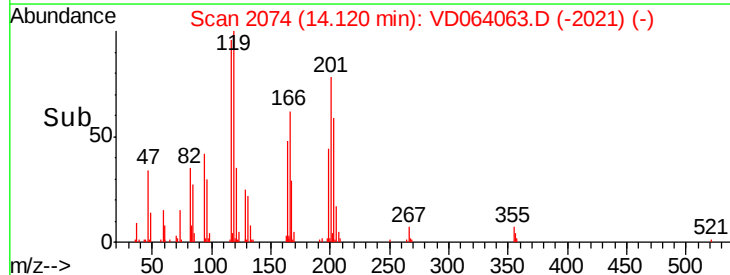
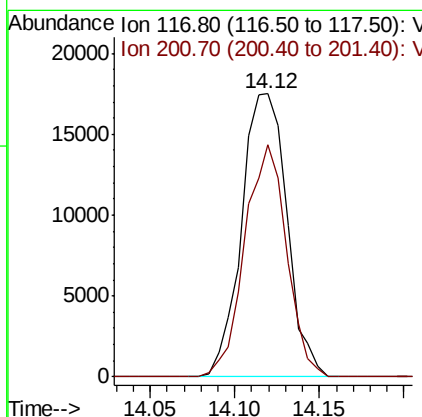
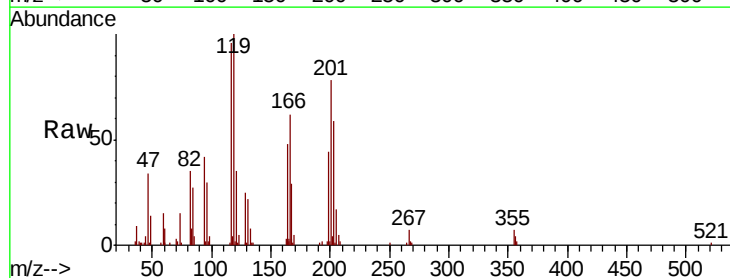
Instrument :
MSVOA_D
ClientSampled :

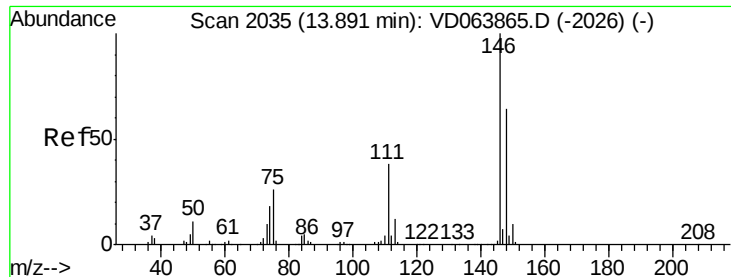
Tot Ion: 91 Resp: 173579
Ion Ratio Lower Upper
91 100
92 51.3 26.8 80.3
134 26.2 14.4 43.0



#90
Hexachloroethane
Concen: 21.977 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion: 117 Resp: 32674
Ion Ratio Lower Upper
117 100
201 75.5 40.6 121.7





#91

1,2-Dichlorobenzene

Concen: 21.578 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

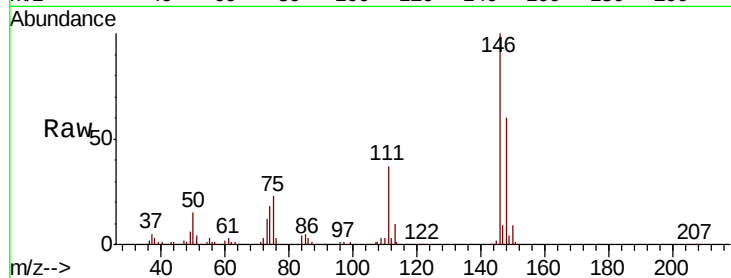
Tot Ion:146 Resp: 79751

Ion Ratio Lower Upper

146 100

111 37.8 18.6 55.6

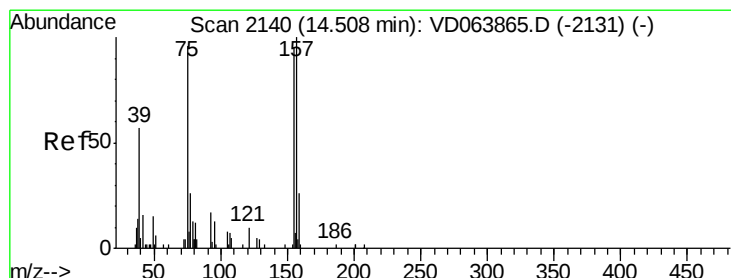
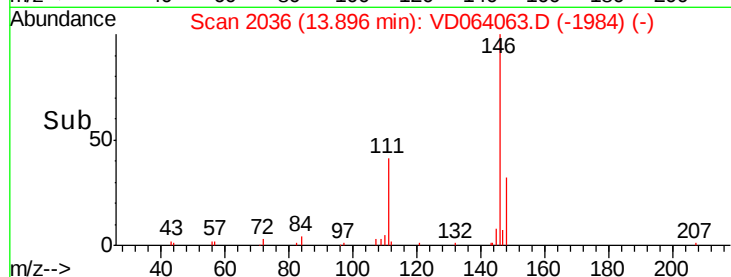
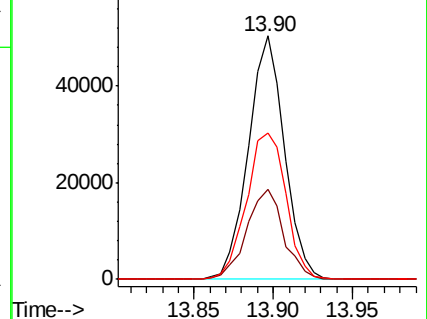
148 65.7 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.708 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

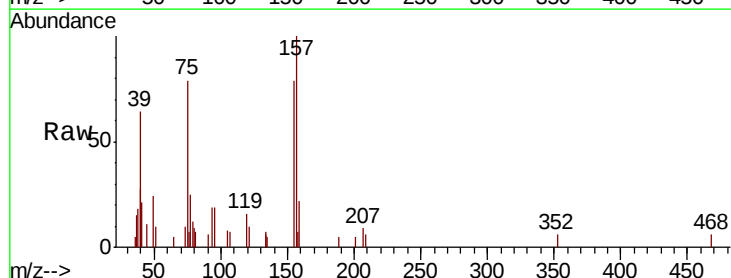
Tgt Ion: 75 Resp: 4769

Ion Ratio Lower Upper

75 100

155 102.1 43.9 131.6

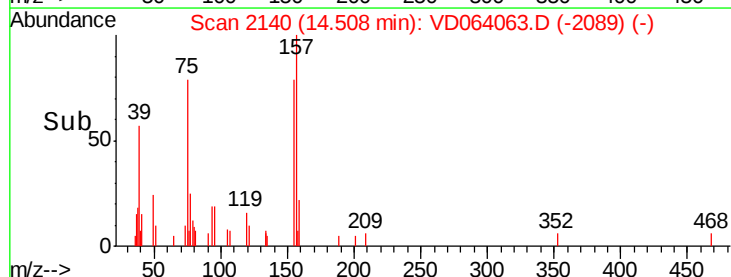
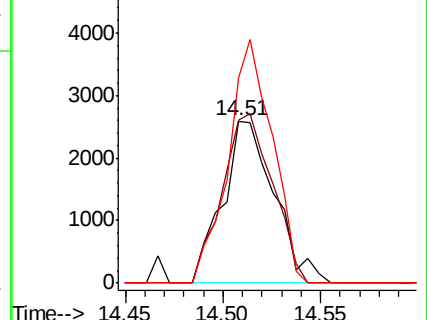
157 128.3 56.0 167.9

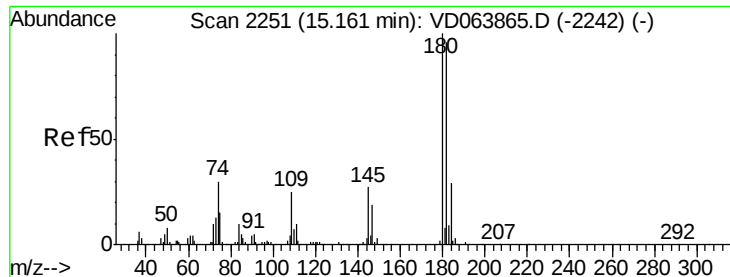


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

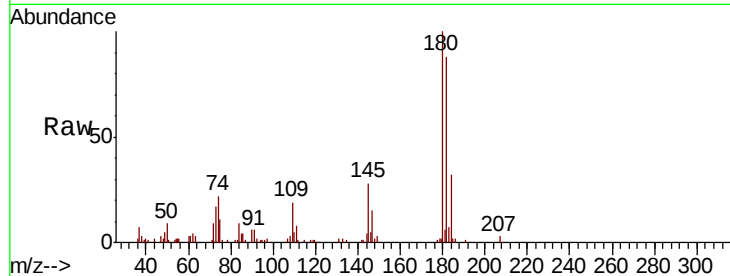




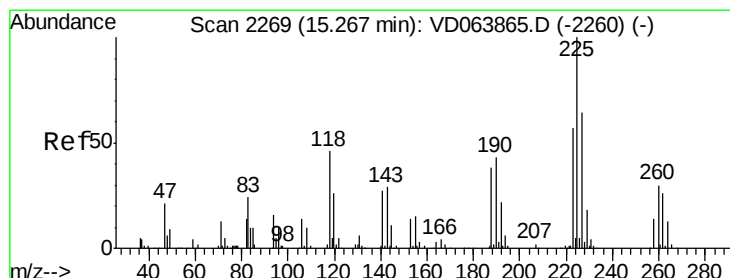
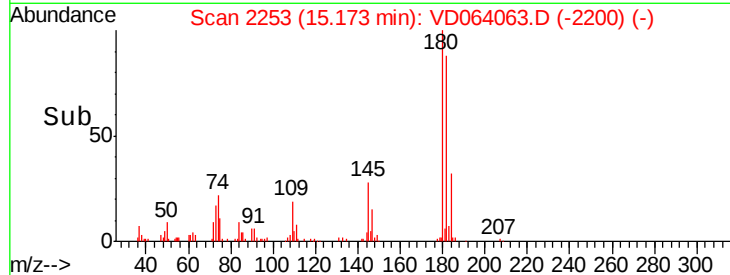
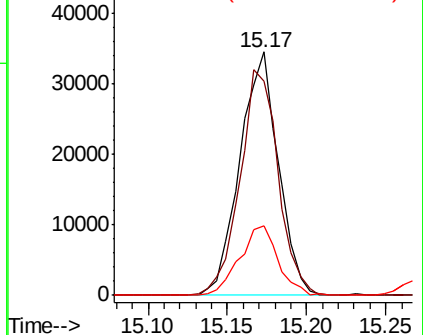
#93
 1,2,4-Trichlorobenzene
 Concen: 20.402 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.4	142.3
145	28.2	13.9	41.7

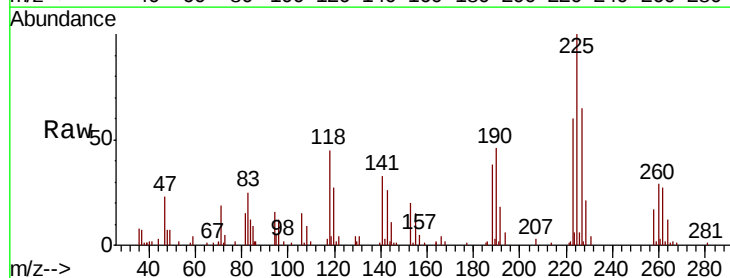


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

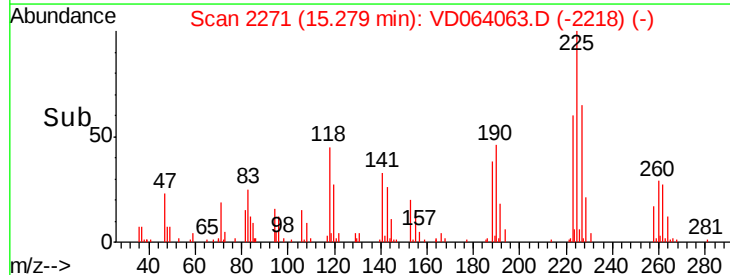
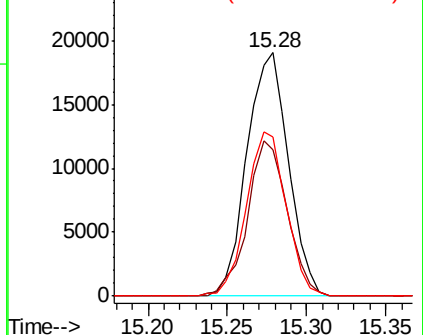


#94
 Hexachlorobutadiene
 Concen: 22.122 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	29.5	88.6
227	64.3	30.8	92.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

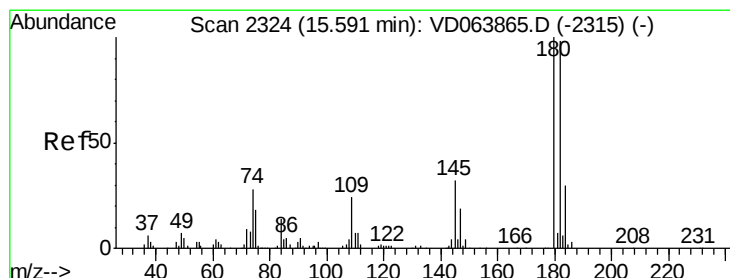
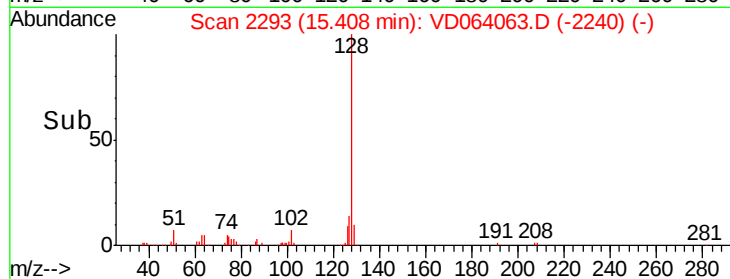
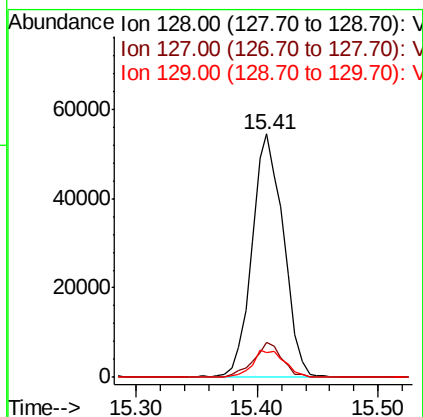
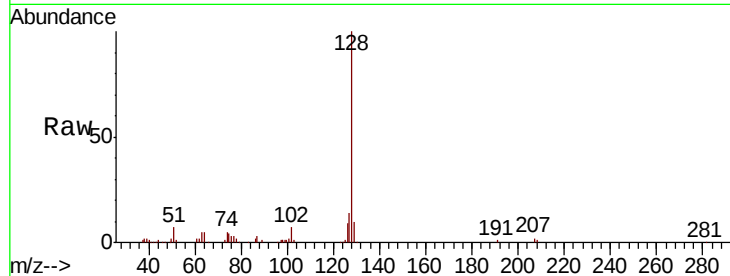




#95
Naphthalene
Concen: 20.615 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 98816
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 11.4 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.934 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion:180 Resp: 49049
Ion Ratio Lower Upper
180 100
182 96.4 47.0 141.0
145 31.5 15.3 45.9

