

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064061.D
 Acq On : 25 Oct 2019 13:01
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:02:41 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	173101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	264207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	265666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	151728	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	77455	45.96	ug/l	0.00
Spiked Amount						
			Recovery	=	91.92%	
35) Dibromofluoromethane	7.91	113	78519	48.63	ug/l	0.00
Spiked Amount						
			Recovery	=	97.26%	
50) Toluene-d8	10.34	98	327276	49.94	ug/l	0.00
Spiked Amount						
			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.64	95	108466	47.63	ug/l	0.00
Spiked Amount						
			Recovery	=	95.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	55280	45.031	ug/l	96
3) Chloromethane	2.21	50	162460	48.896	ug/l	99
4) Vinyl Chloride	2.35	62	200071	50.426	ug/l	99
5) Bromomethane	2.77	94	122468	48.013	ug/l	99
6) Chloroethane	2.92	64	132107	50.347	ug/l	91
7) Trichlorofluoromethane	3.27	101	280385	53.450	ug/l	99
8) Diethyl Ether	3.70	74	38855	46.147	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	75852	52.237	ug/l	96
10) Methyl Iodide	4.29	142	88260	44.111	ug/l	100
11) Tert butyl alcohol	5.24	59	23657	200.471	ug/l	98
12) 1,1-Dichloroethene	4.06	96	69699	48.044	ug/l	95
13) Acrolein	3.92	56	43018	285.800	ug/l	92
14) Allyl chloride	4.70	41	109330	45.329	ug/l	100
15) Acrylonitrile	5.43	53	91786	247.257	ug/l	96
16) Acetone	4.16	43	105204	239.772	ug/l	91
17) Carbon Disulfide	4.40	76	211851	40.172	ug/l	98
18) Methyl Acetate	4.73	43	41538	48.402	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	167657	44.629	ug/l	98
20) Methylene Chloride	4.96	84	89208	45.554	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	87348	48.366	ug/l	94
22) Diisopropyl ether	6.37	45	232243	47.147	ug/l	99
23) Vinyl Acetate	6.31	43	684550	233.605	ug/l	97
24) 1,1-Dichloroethane	6.26	63	145483	47.948	ug/l	98
25) 2-Butanone	7.23	43	120923	232.550	ug/l	99
26) 2,2-Dichloropropane	7.21	77	127940	46.614	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	98514	48.193	ug/l	98
28) Bromochloromethane	7.54	49	58517	50.700	ug/l	96
29) Tetrahydrofuran	7.57	42	68726	226.440	ug/l	98
30) Chloroform	7.71	83	160460	48.691	ug/l	91
31) Cyclohexane	7.98	56	131217	52.507	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	143614	50.803	ug/l	99
36) 1,1-Dichloropropene	8.11	75	125928	52.129	ug/l	97
37) Ethyl Acetate	7.30	43	46066	47.344	ug/l	97
38) Carbon Tetrachloride	8.10	117	131195	53.743	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	154812	52.121	ug/l	94
40) Benzene	8.35	78	355238	51.315	ug/l	98
41) Methacrylonitrile	7.53	41	27737	49.524	ug/l	87
42) 1,2-Dichloroethane	8.43	62	96784	48.332	ug/l	99
43) Isopropyl Acetate	8.46	43	93416	46.111	ug/l	96
44) Trichloroethene	9.11	130	102948	51.571	ug/l	98
45) 1,2-Dichloropropane	9.39	63	84523	49.883	ug/l	95
46) Dibromomethane	9.48	93	48862	50.634	ug/l	97
47) Bromodichloromethane	9.67	83	123627	49.759	ug/l	98
48) Methyl methacrylate	9.46	41	41631	42.889	ug/l	90
49) 1,4-Dioxane	9.47	88	13174	1000.134	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	249284	237.260	ug/l	99
52) Toluene	10.41	92	246932	51.961	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	118884	49.036	ug/l #	85
54) cis-1,3-Dichloropropene	10.09	75	136580	48.940	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	71899	52.768	ug/l	93
56) Ethyl methacrylate	10.67	69	84385	48.906	ug/l	97
57) 1,3-Dichloropropane	10.95	76	114748	49.222	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	186044	250.845	ug/l	99
59) 2-Hexanone	10.99	43	189025	248.708	ug/l	98
60) Dibromochloromethane	11.14	129	92249	52.004	ug/l	100
61) 1,2-Dibromoethane	11.26	107	68688	52.000	ug/l	100
64) Tetrachloroethene	10.88	164	94633	52.178	ug/l	96
65) Chlorobenzene	11.67	112	279026	52.298	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	102635	52.207	ug/l	98
67) Ethyl Benzene	11.75	91	504987	52.490	ug/l	100
68) m/p-Xylenes	11.86	106	397946	107.167	ug/l	97
69) o-Xylene	12.19	106	185676	52.220	ug/l	93
70) Styrene	12.20	104	316697	52.614	ug/l	98
71) Bromoform	12.37	173	57490	54.490	ug/l #	96
73) Isopropylbenzene	12.48	105	505682	49.577	ug/l	97
74) N-amyl acetate	12.30	43	89950	40.960	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	81713	46.038	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	101371	99.752	ug/l #	100
77) Bromobenzene	12.77	156	124169	48.862	ug/l	94
78) n-propylbenzene	12.83	91	605241	50.552	ug/l	100
79) 2-Chlorotoluene	12.91	91	314001	47.564	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	426067	50.069	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	25116	43.735	ug/l	94
82) 4-Chlorotoluene	13.01	91	333196	47.578	ug/l	98
83) tert-Butylbenzene	13.23	119	384078	50.715	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	428602	48.856	ug/l	98
85) sec-Butylbenzene	13.41	105	531813	51.998	ug/l	98
86) p-Isopropyltoluene	13.52	119	507399	52.428	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	254663	50.717	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	250019	50.472	ug/l	97
89) n-Butylbenzene	13.85	91	468381	51.993	ug/l	99
90) Hexachloroethane	14.11	117	92446	53.111	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	216148	49.951	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12324	44.414	ug/l	76

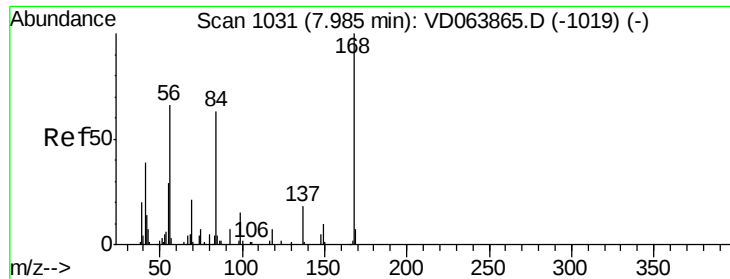
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	166256	49.794	ug/l	99
94) Hexachlorobutadiene	15.27	225	95823	52.007	ug/l	94
95) Naphthalene	15.41	128	276074	49.195	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	139747	48.510	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

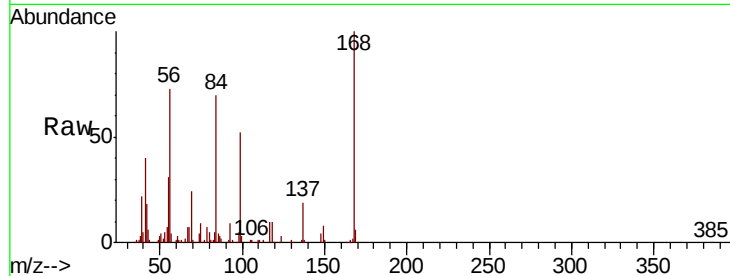
ClientSampleId :

Tot Ion:168 Resp: 173101

Ion Ratio Lower Upper

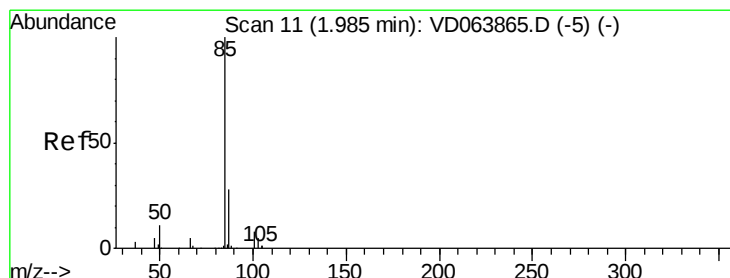
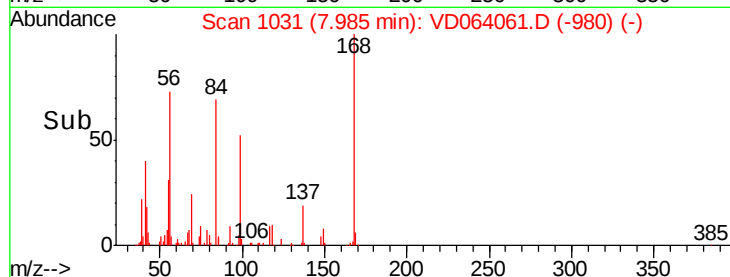
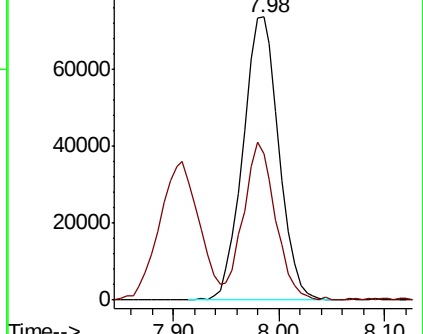
168 100

99 51.4 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: 45.031 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064061.D

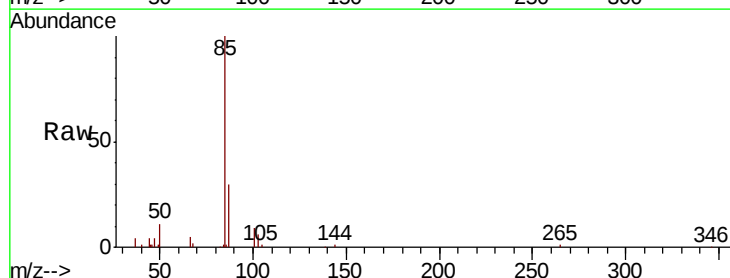
Acq: 25 Oct 2019 13:01

Tgt Ion: 85 Resp: 55280

Ion Ratio Lower Upper

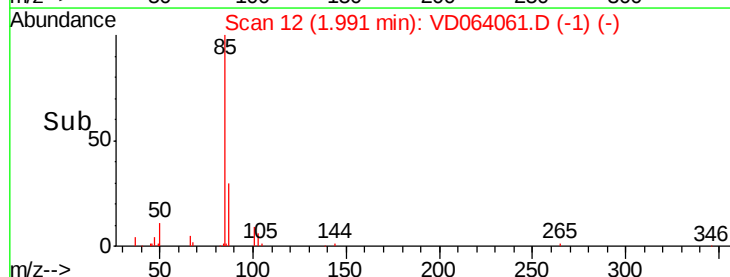
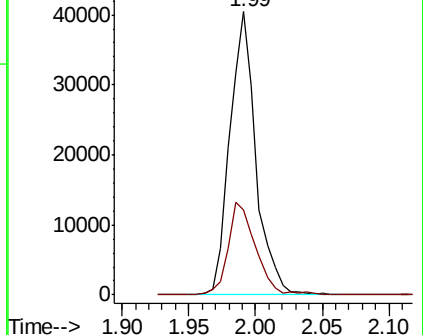
85 100

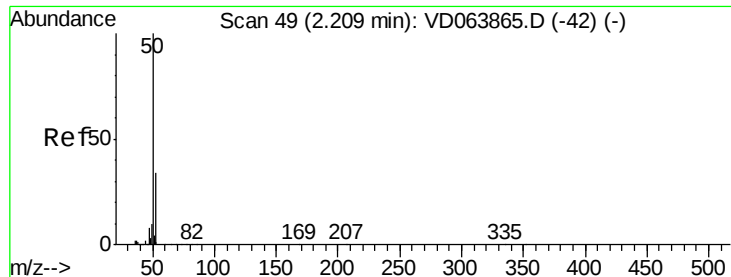
87 30.1 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

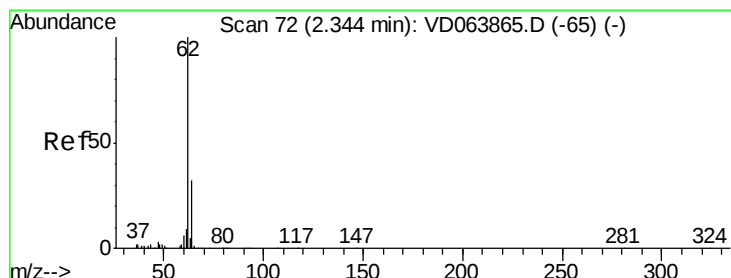
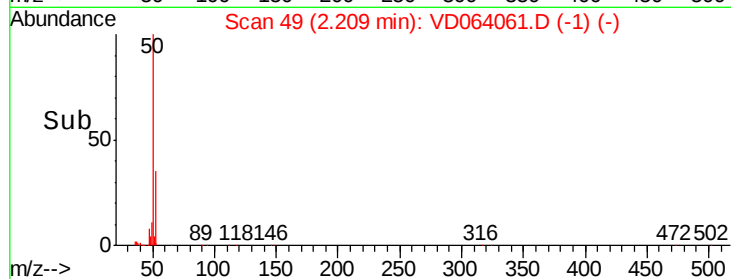
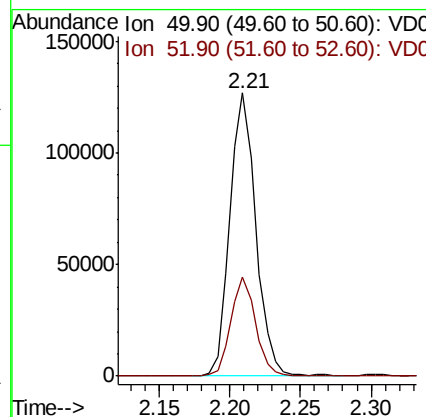
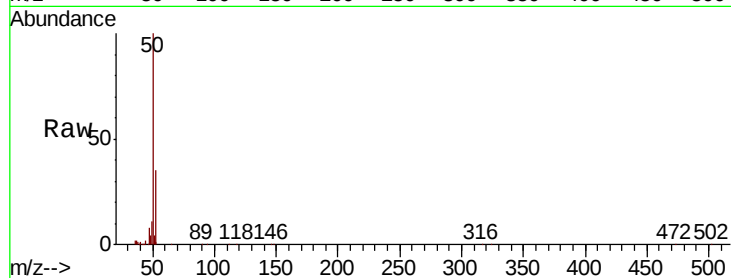




#3
Chloromethane
Concen: 48.896 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

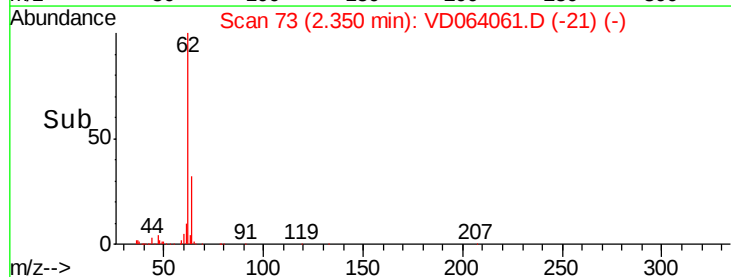
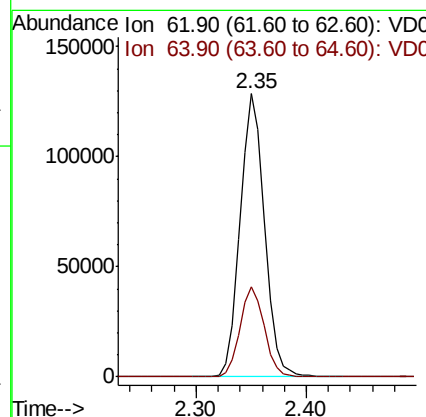
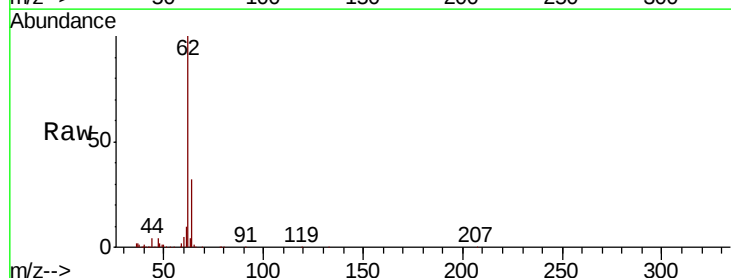
Instrument :
MSVOA_D
ClientSampleId :

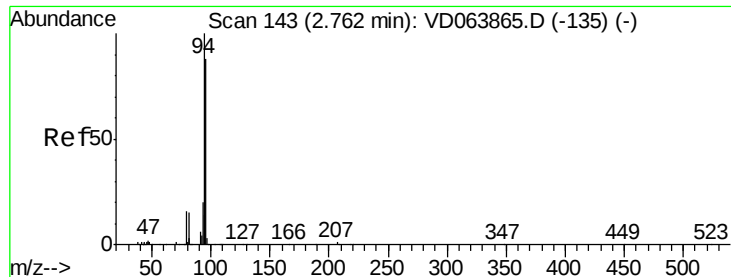
Tot Ion: 50 Resp: 162460
Ion Ratio Lower Upper
50 100
52 35.1 27.5 41.3



#4
Vinyl Chloride
Concen: 50.426 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion: 62 Resp: 200071
Ion Ratio Lower Upper
62 100
64 32.0 25.4 38.0





#5

Bromomethane

Concen: 48.013 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

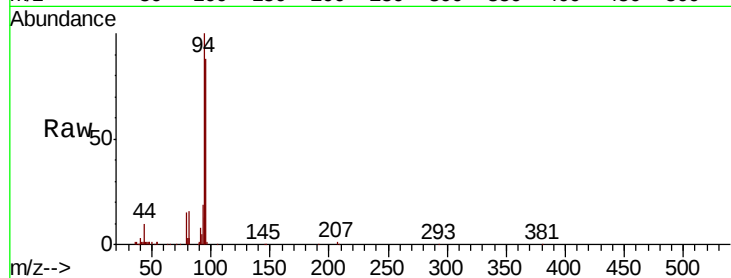
ClientSampleId :

Tot Ion: 94 Resp: 122468

Ion Ratio Lower Upper

94 100

96 87.6 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

60000

50000

40000

30000

20000

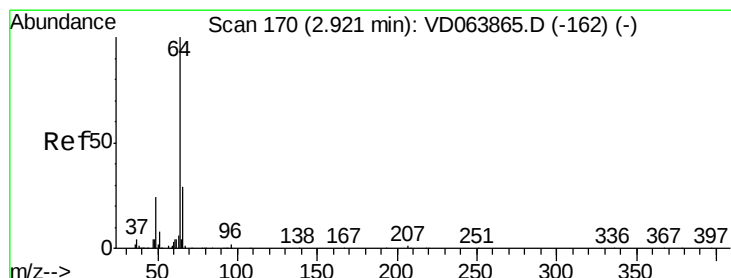
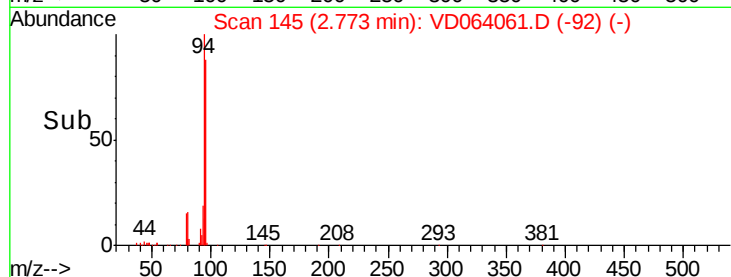
10000

0

Time-->

2.70

2.80



#6

Chloroethane

Concen: 50.347 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064061.D

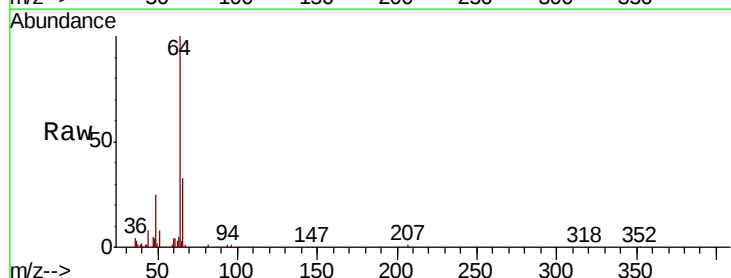
Acq: 25 Oct 2019 13:01

Tgt Ion: 64 Resp: 132107

Ion Ratio Lower Upper

64 100

66 33.3 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

60000

40000

20000

0

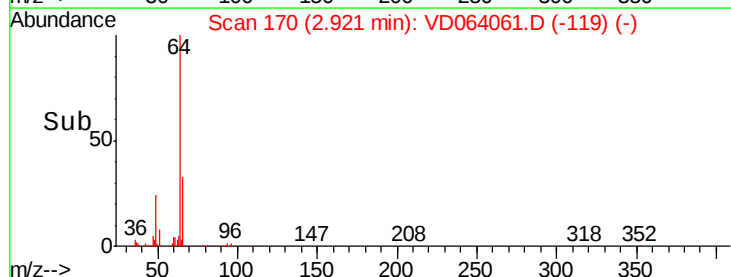
Time-->

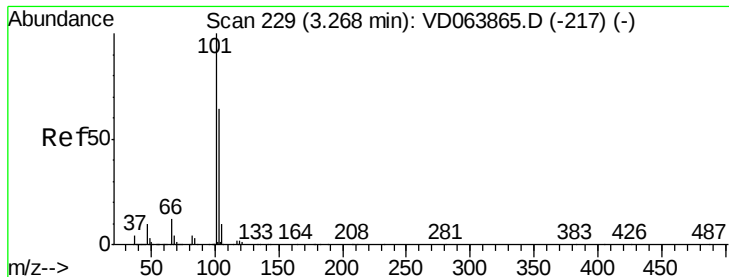
2.85

2.90

2.95

3.00



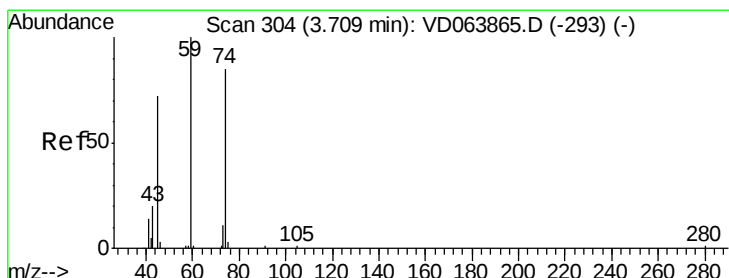
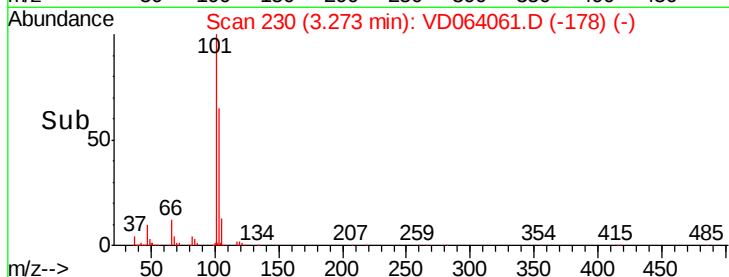
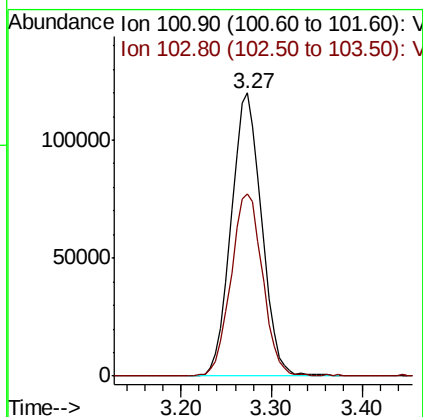
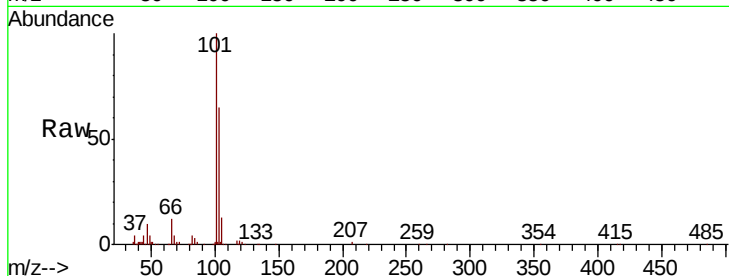


#7

Trichlorofluoromethane
 Concen: 53.450 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Instrument :
 MSVOA_D
 ClientSampled :

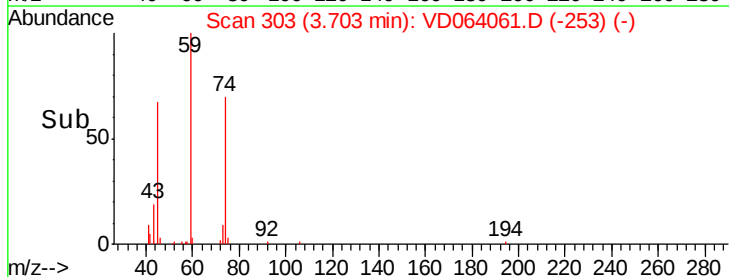
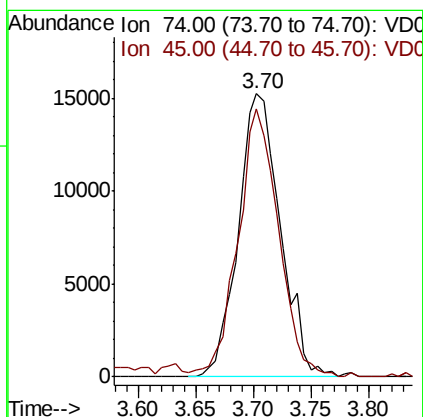
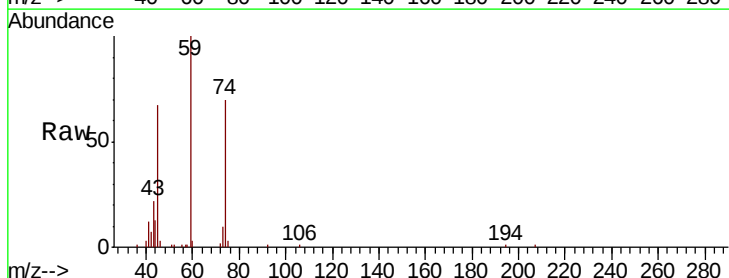
Tot Ion:101 Resp: 280385
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.1 76.7

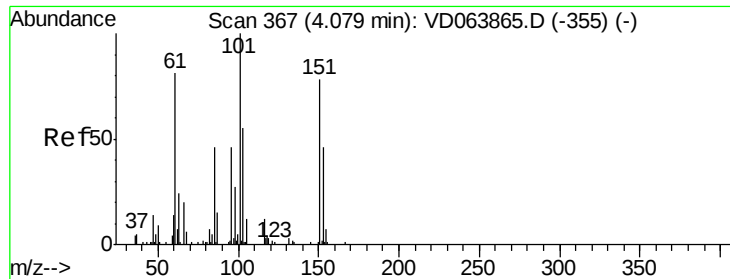


#8

Diethyl Ether
 Concen: 46.147 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Tgt Ion: 74 Resp: 38855
 Ion Ratio Lower Upper
 74 100
 45 91.4 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.237 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

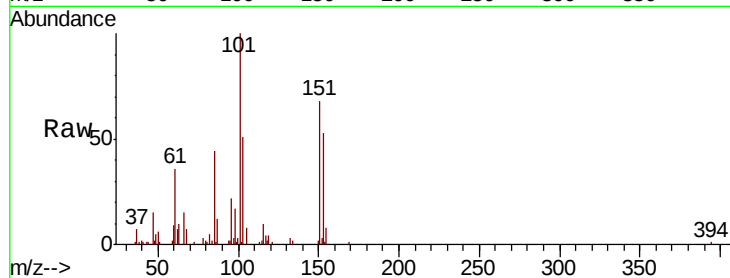
Tot Ion:101 Resp: 75852

Ion Ratio Lower Upper

101 100

85 46.4 37.5 56.3

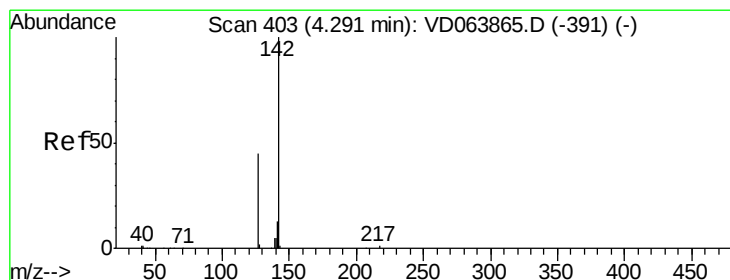
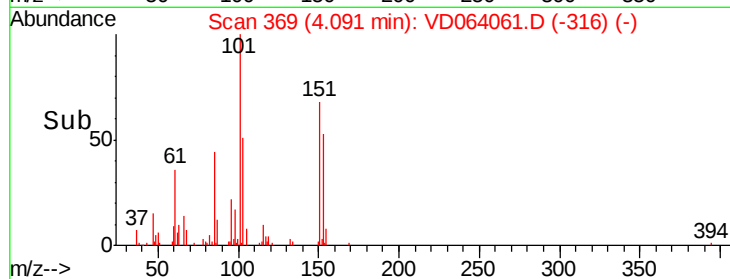
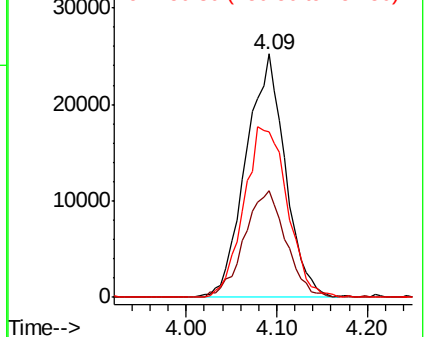
151 77.3 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.111 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

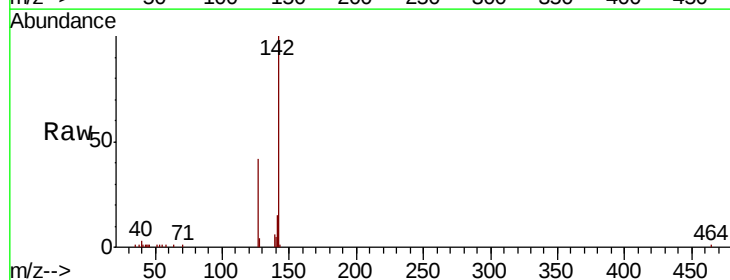
Tgt Ion:142 Resp: 88260

Ion Ratio Lower Upper

142 100

127 44.4 35.3 52.9

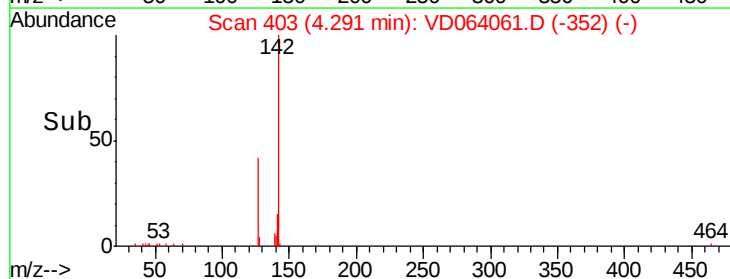
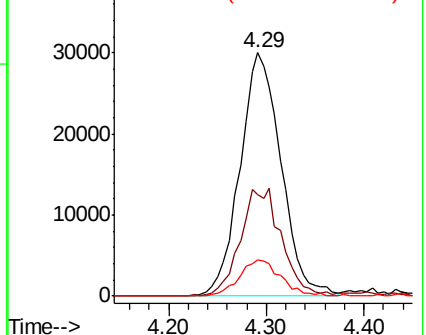
141 15.0 12.2 18.2

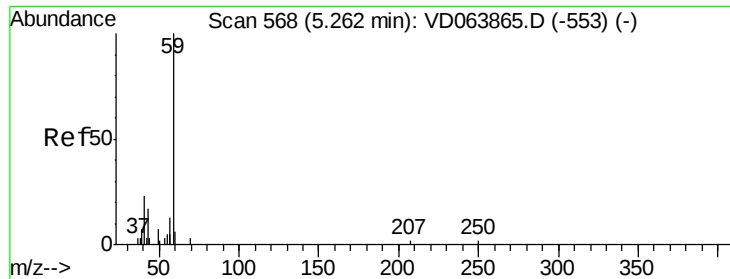


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



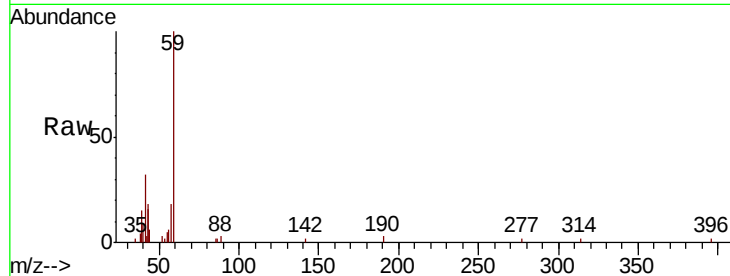


#11

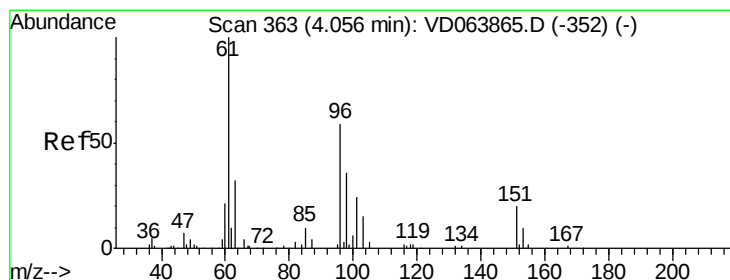
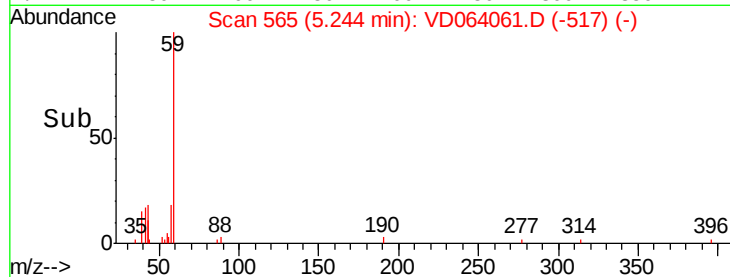
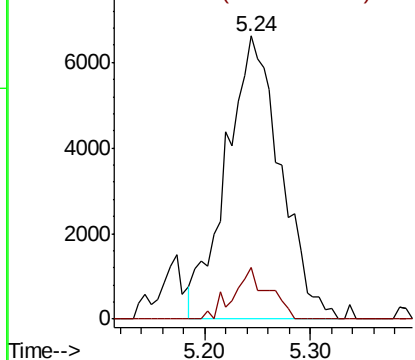
Tert butyl alcohol
 Concen: 200.471 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 23657
 Ion Ratio Lower Upper
 59 100
 57 11.7 8.8 13.2



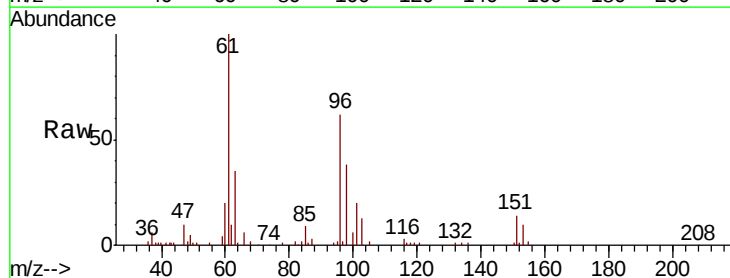
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



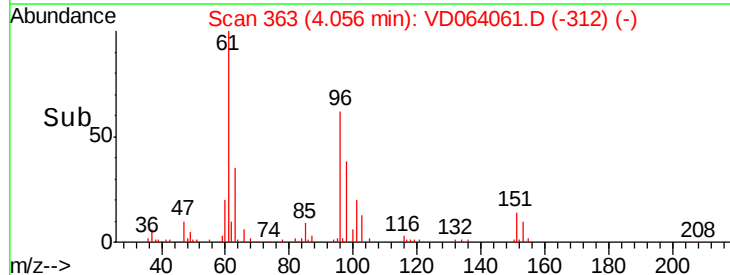
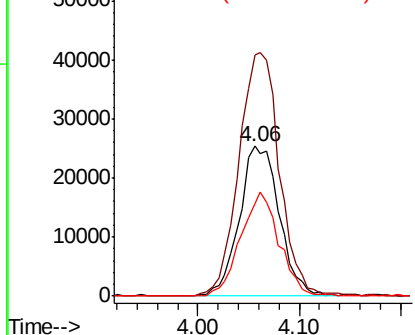
#12

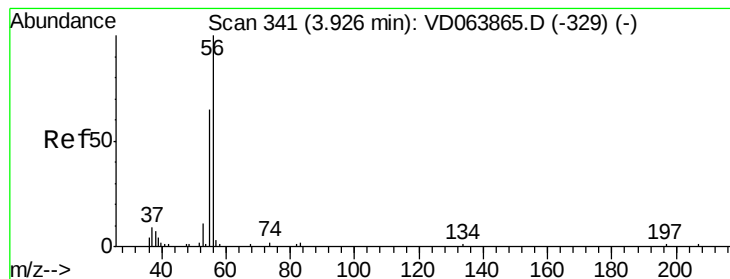
1,1-Dichloroethene
 Concen: 48.044 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Tgt Ion: 96 Resp: 69699
 Ion Ratio Lower Upper
 96 100
 61 160.8 135.6 203.4
 98 61.7 49.2 73.8



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





#13

Acrolein

Concen: 285.800 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

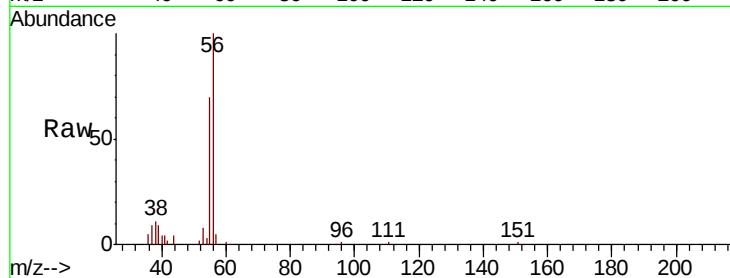
ClientSampleId :

Tot Ion: 56 Resp: 43018

Ion Ratio Lower Upper

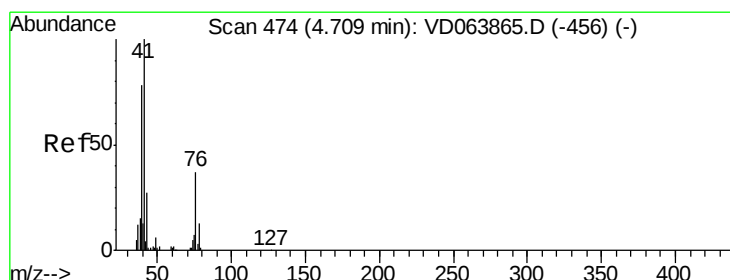
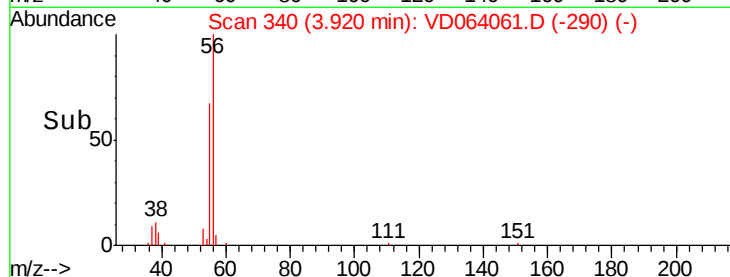
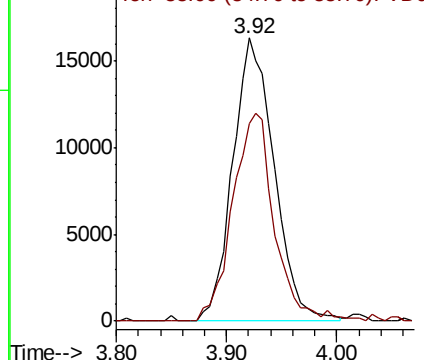
56 100

55 72.4 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: 45.329 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

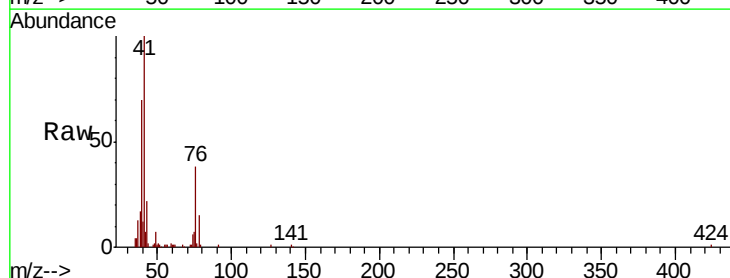
Tgt Ion: 41 Resp: 109330

Ion Ratio Lower Upper

41 100

39 76.9 61.8 92.6

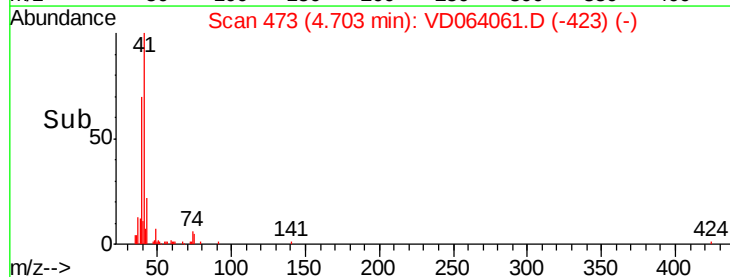
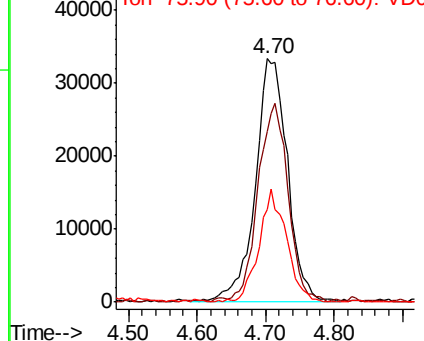
76 39.5 31.3 46.9

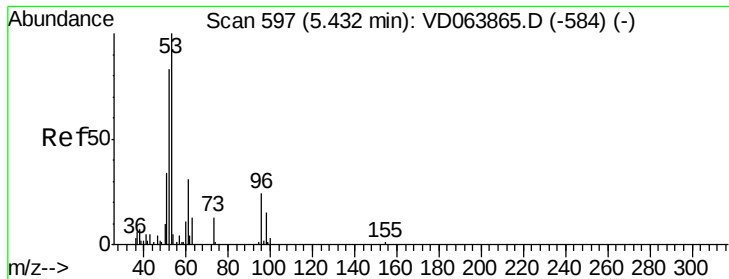


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 247.257 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :

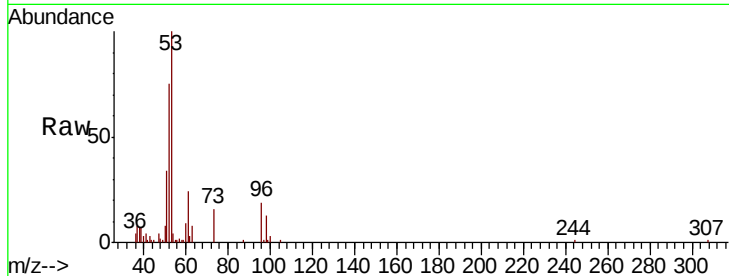
Tot Ion: 53 Resp: 91786

Ion Ratio Lower Upper

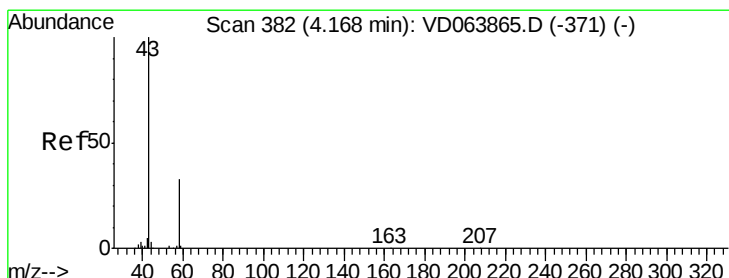
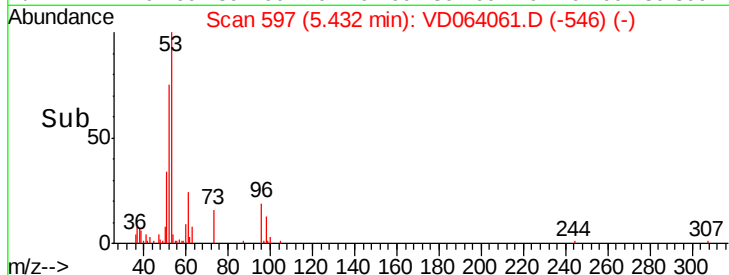
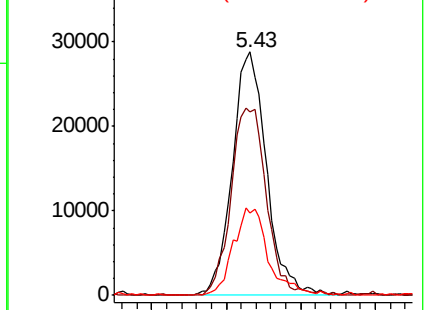
53 100

52 79.5 67.3 100.9

51 36.3 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: 239.772 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064061.D

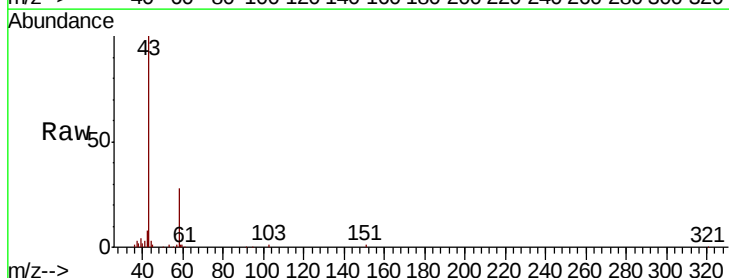
Acq: 25 Oct 2019 13:01

Tgt Ion: 43 Resp: 105204

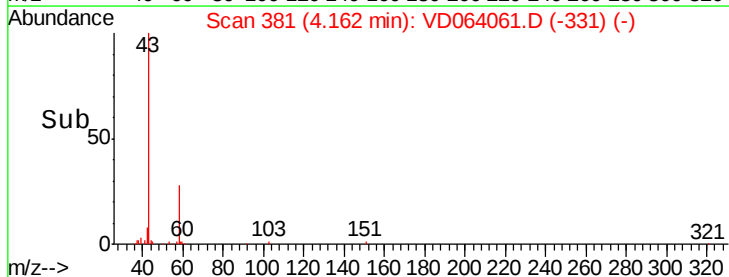
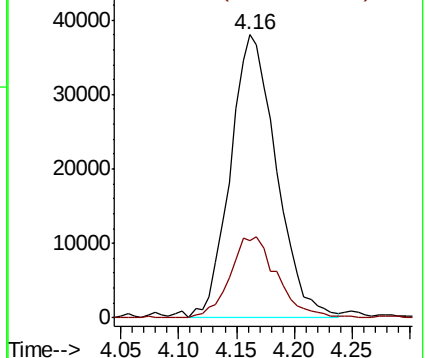
Ion Ratio Lower Upper

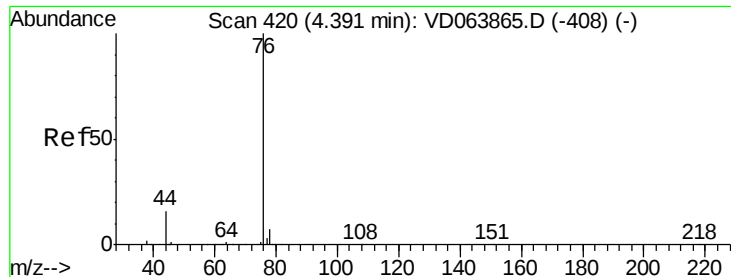
43 100

58 27.5 26.2 39.4



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

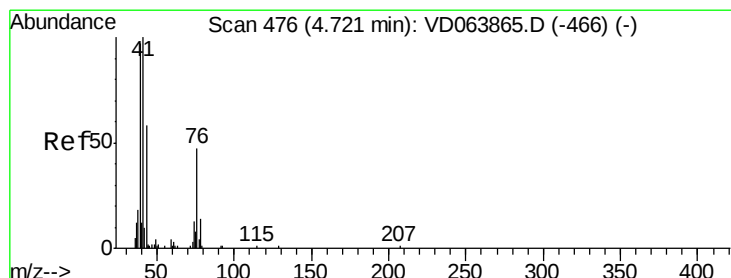
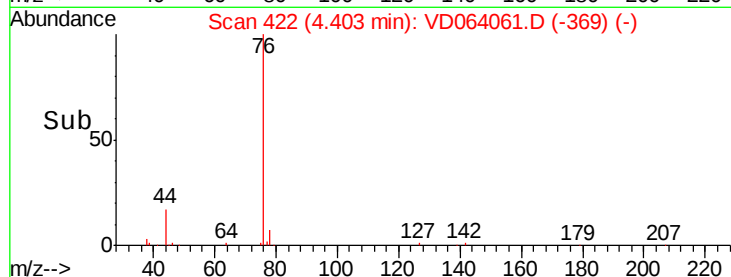
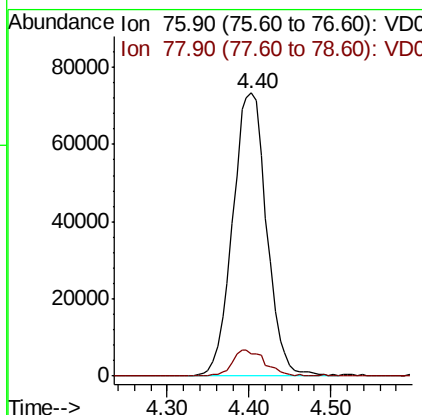
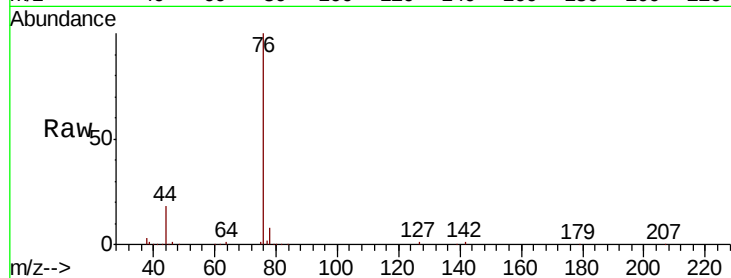




#17
Carbon Disulfide
Concen: 40.172 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

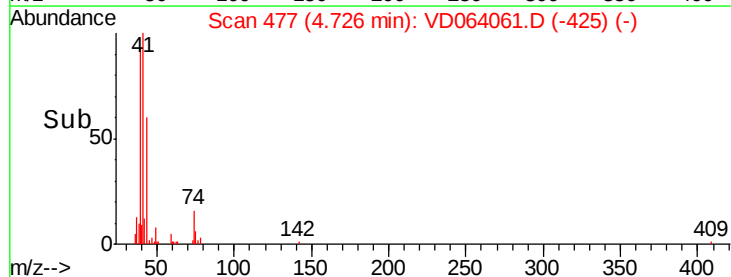
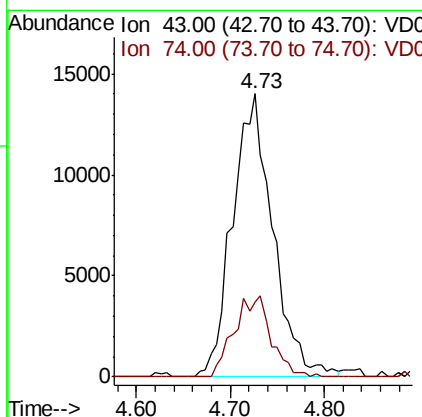
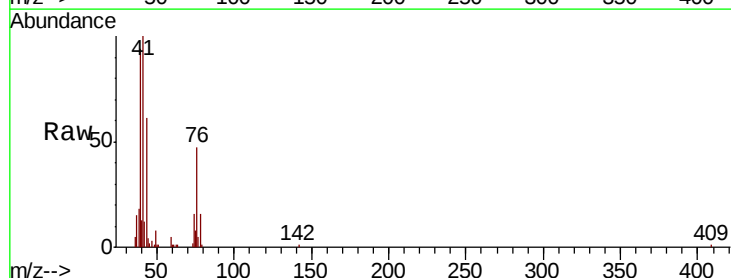
Instrument :
MSVOA_D
ClientSampleId :

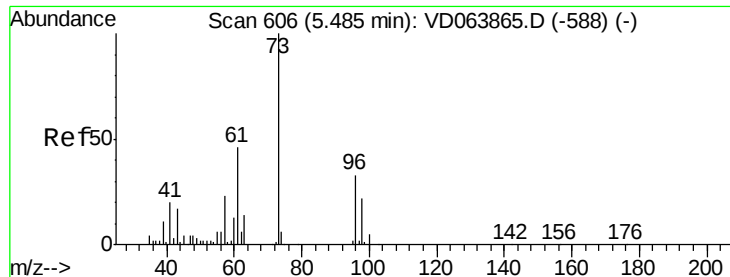
Tot Ion: 76 Resp: 211851
Ion Ratio Lower Upper
76 100
78 8.1 5.8 8.8



#18
Methyl Acetate
Concen: 48.402 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion: 43 Resp: 41538
Ion Ratio Lower Upper
43 100
74 26.3 20.8 31.2

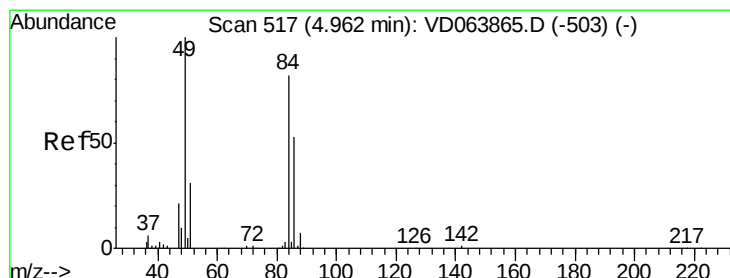
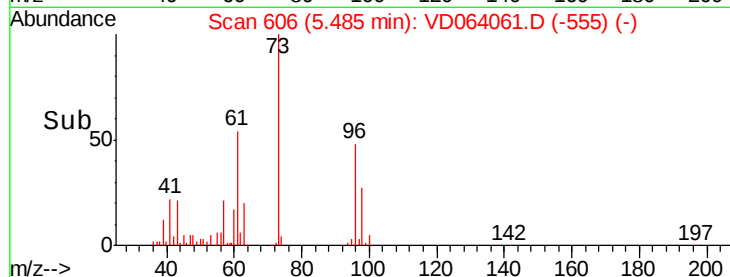
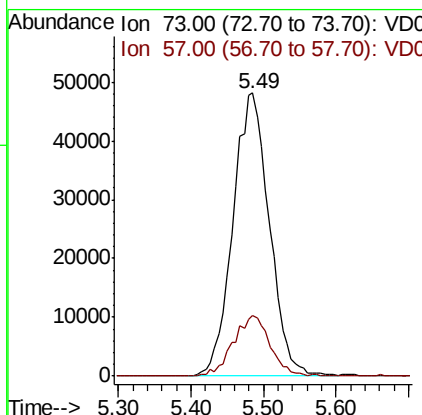
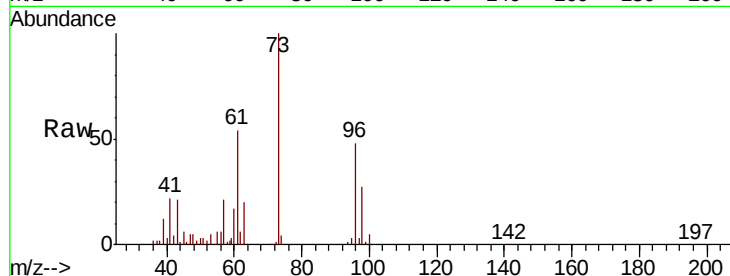




#19
Methvl tert-butvl Ether
Concen: 44.629 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

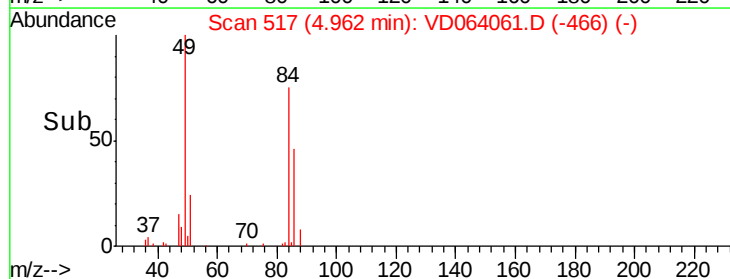
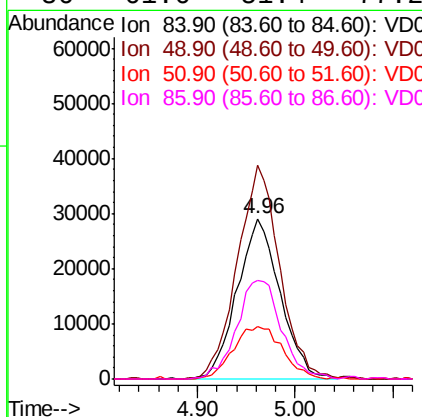
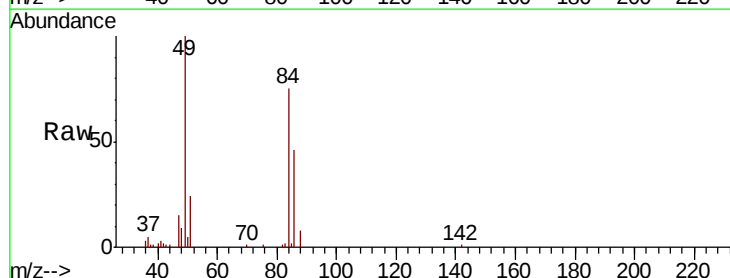
Instrument :
MSVOA_D
ClientSampled :

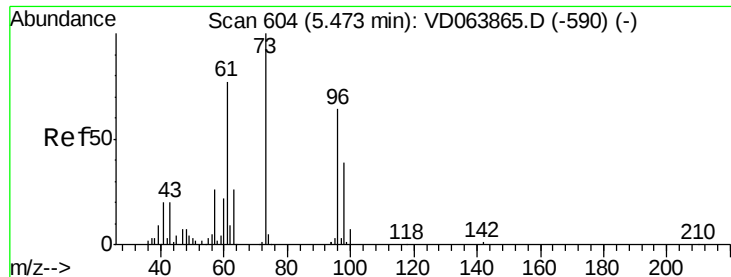
Tot Ion: 73 Resp: 167657
Ion Ratio Lower Upper
73 100
57 21.5 18.1 27.1



#20
Methylene Chloride
Concen: 45.554 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion: 84 Resp: 89208
Ion Ratio Lower Upper
84 100
49 132.7 97.3 145.9
51 32.6 30.1 45.1
86 61.6 51.4 77.2

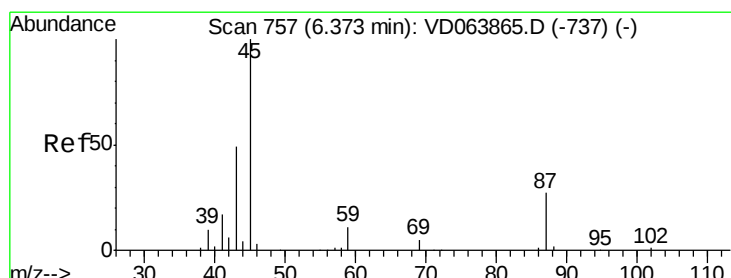
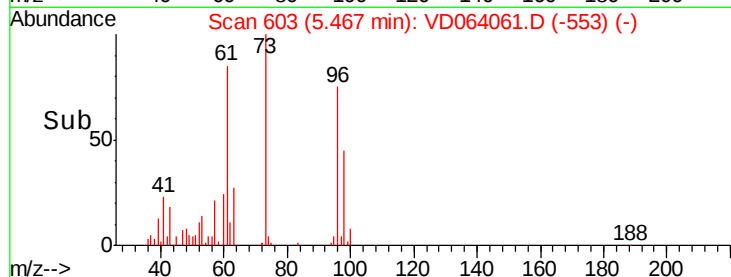
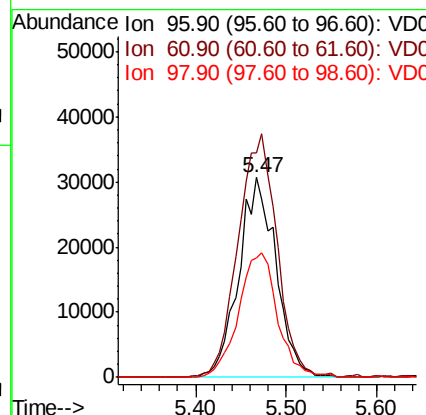
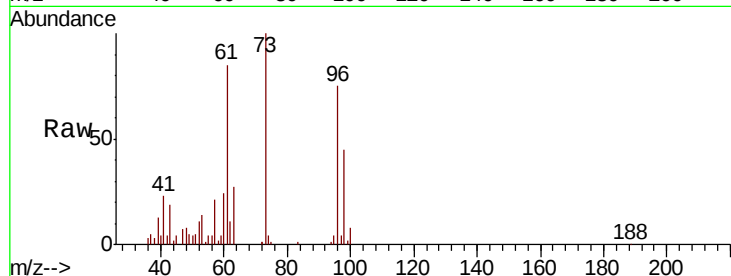




#21
trans-1,2-Dichloroethene
Concen: 48.366 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

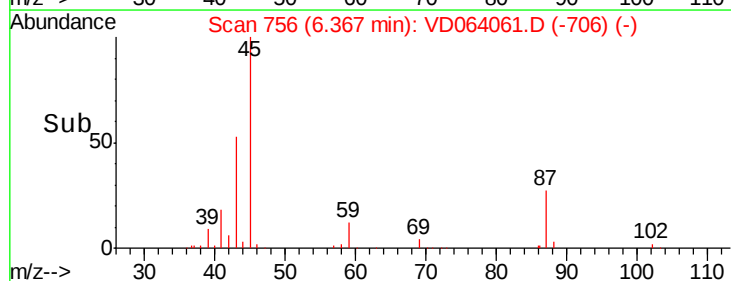
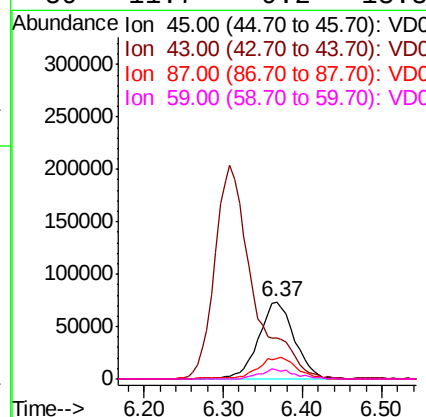
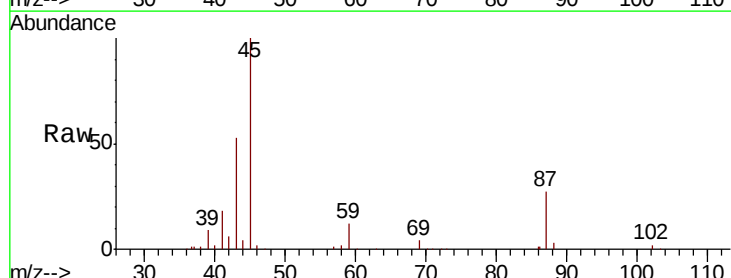
Instrument :
MSVOA_D
ClientSampled :

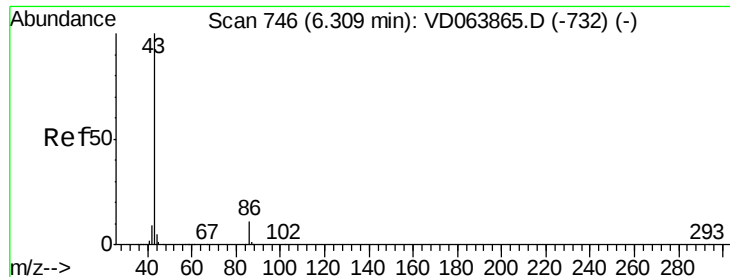
Tot Ion: 96 Resp: 87348
Ion Ratio Lower Upper
96 100
61 112.2 96.6 145.0
98 59.9 48.7 73.1



#22
Diisopropyl ether
Concen: 47.147 ug/l
RT: 6.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion: 45 Resp: 232243
Ion Ratio Lower Upper
45 100
43 52.3 41.2 61.8
87 26.6 22.2 33.4
59 11.7 9.2 13.8





#23

Vinyl Acetate

Concen: 233.605 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

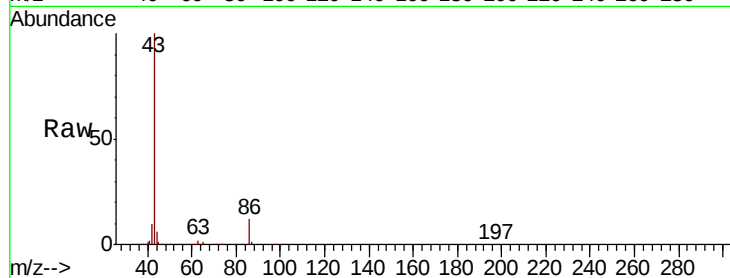
ClientSampleId :

Tot Ion: 43 Resp: 684550

Ion Ratio Lower Upper

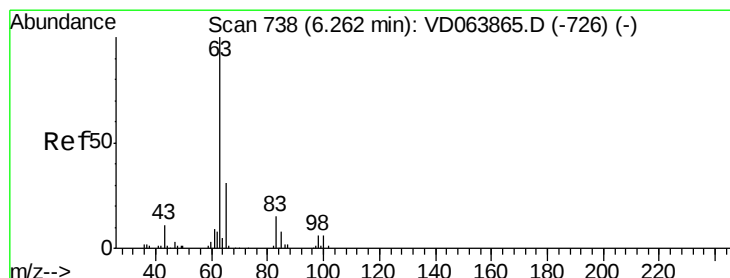
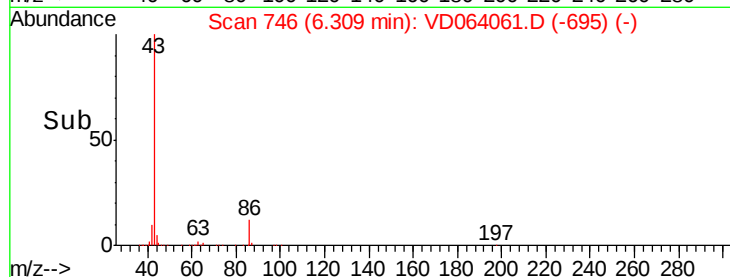
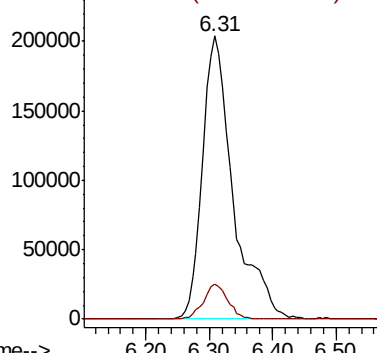
43 100

86 12.2 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: 47.948 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

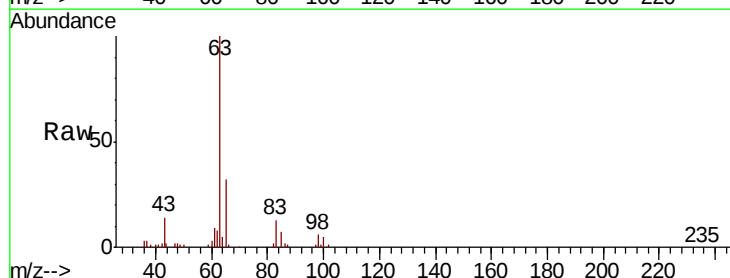
Tgt Ion: 63 Resp: 145483

Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.4

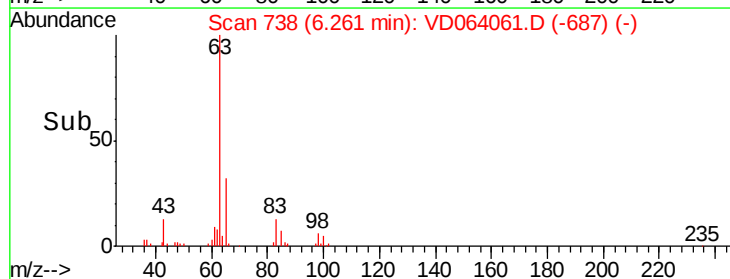
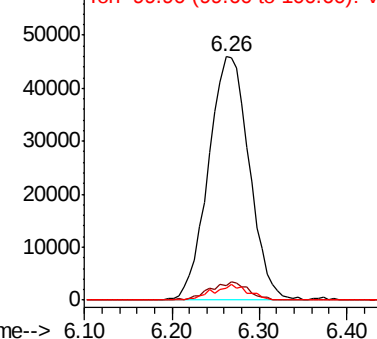
100 5.1 3.0 9.2

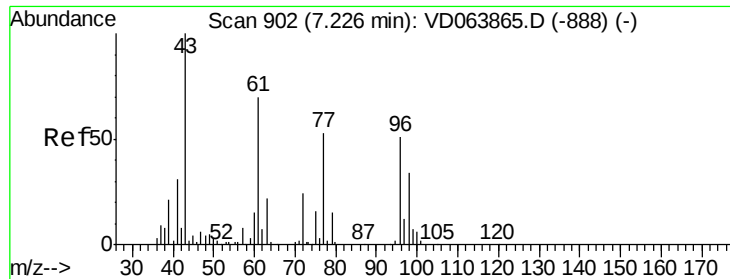


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 232.550 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

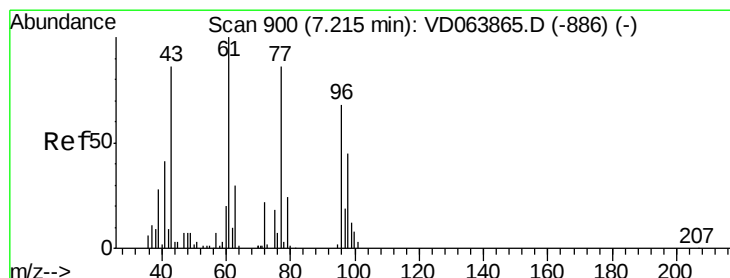
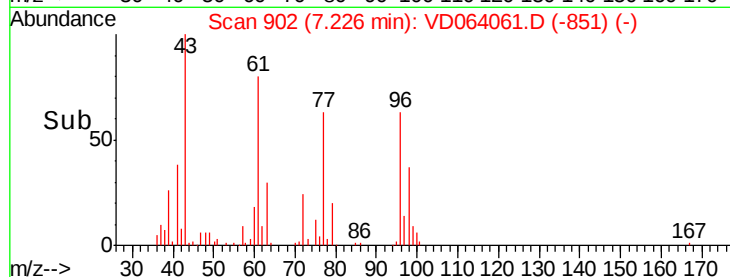
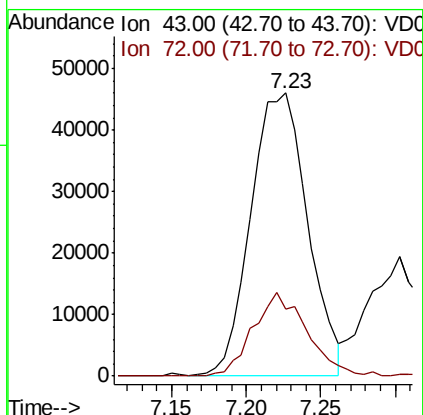
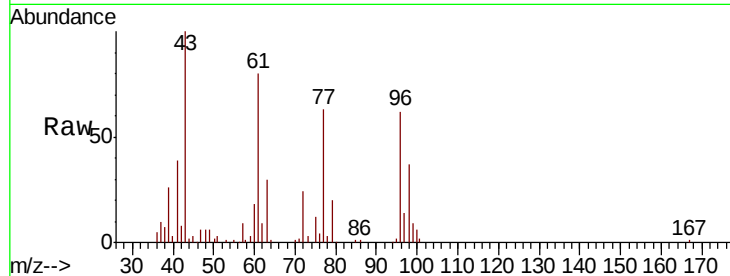
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 120923

Ion Ratio Lower Upper

43 100

72 23.6 19.2 28.8



#26

2,2-Dichloropropane

Concen: 46.614 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064061.D

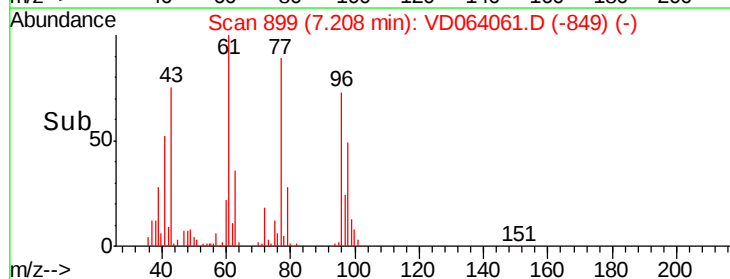
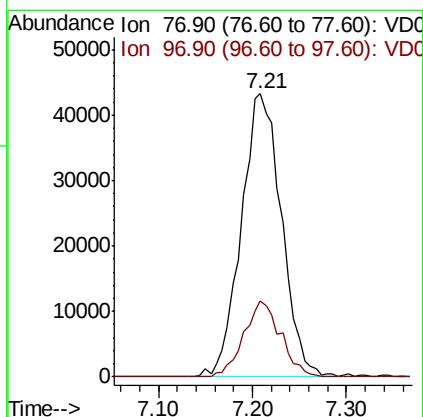
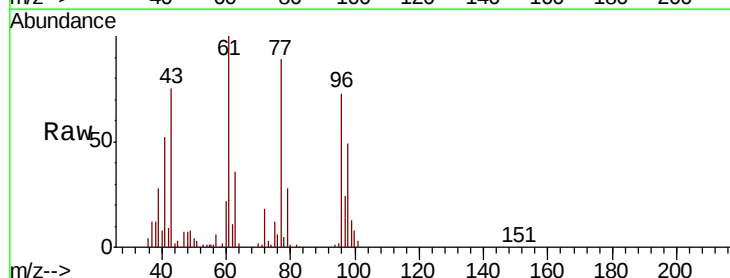
Acq: 25 Oct 2019 13:01

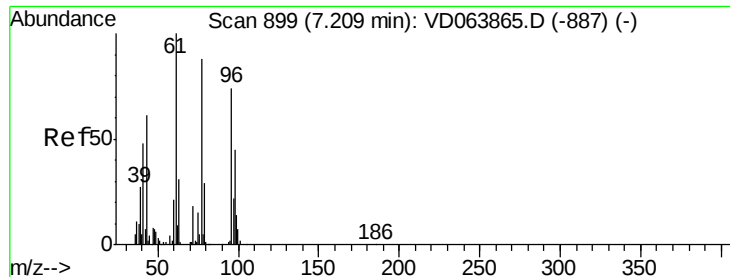
Tgt Ion: 77 Resp: 127940

Ion Ratio Lower Upper

77 100

97 24.6 11.4 34.1



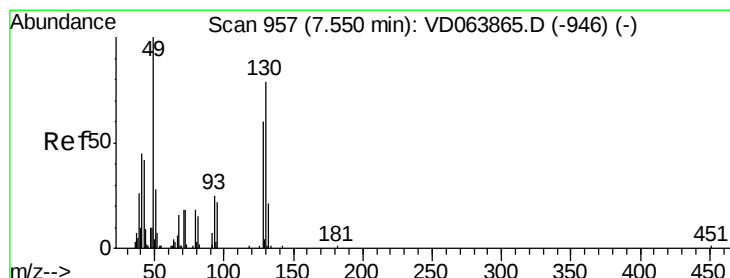
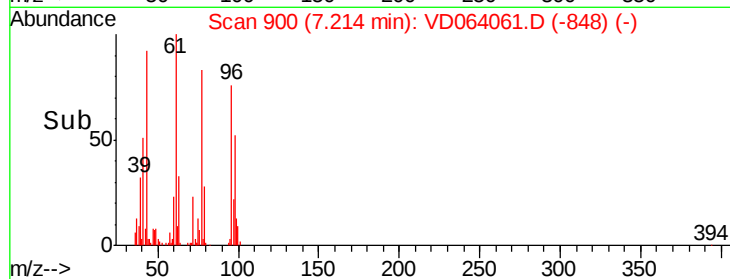
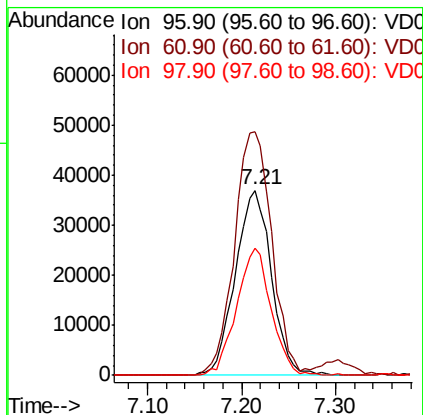
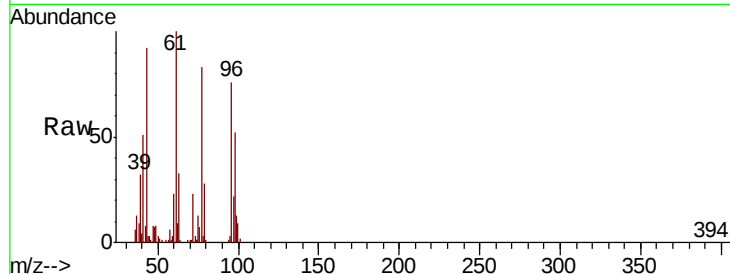


#27

cis-1,2-Dichloroethene
 Concen: 48.193 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Instrument :
 MSVOA_D
 ClientSampleId :

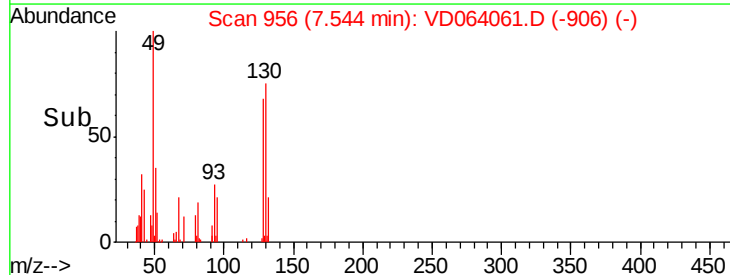
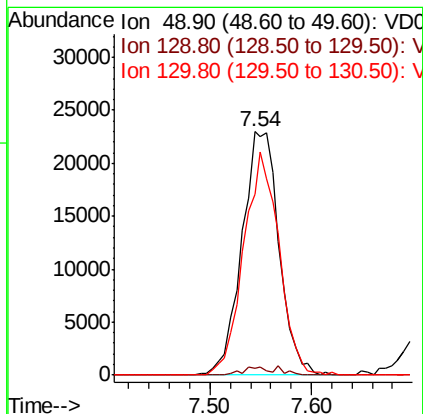
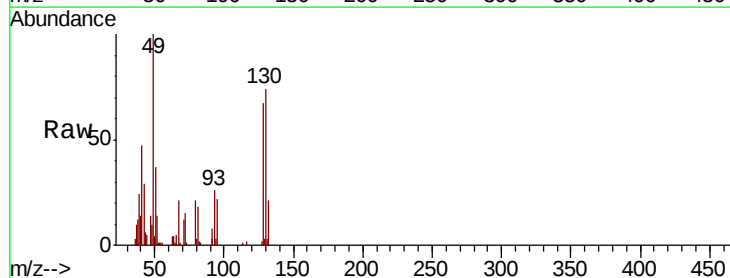
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	280.0
98	65.6	0.0	130.4

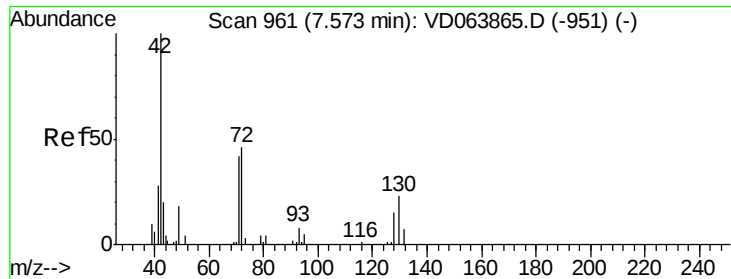


#28

Bromochloromethane
 Concen: 50.700 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	5.6
130	87.3	66.8	100.2

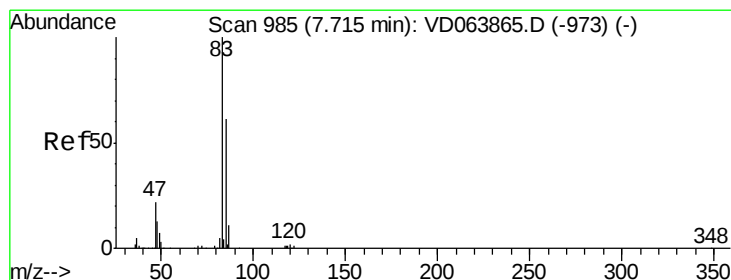
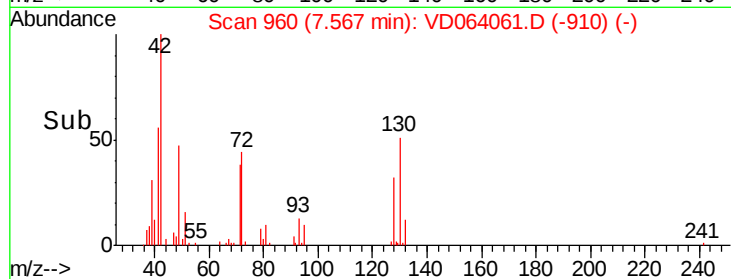
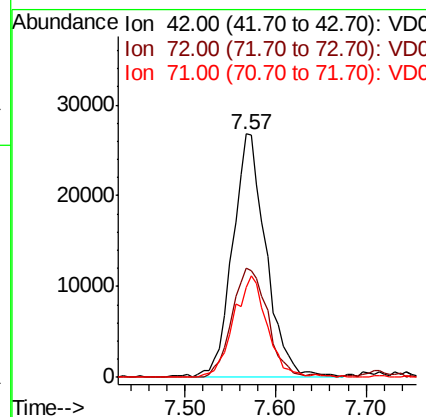
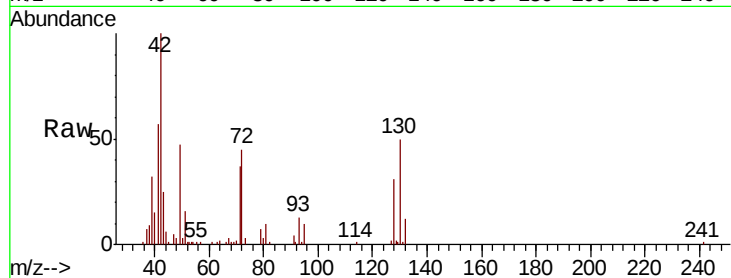




#29
Tetrahydrofuran
Concen: 226.440 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

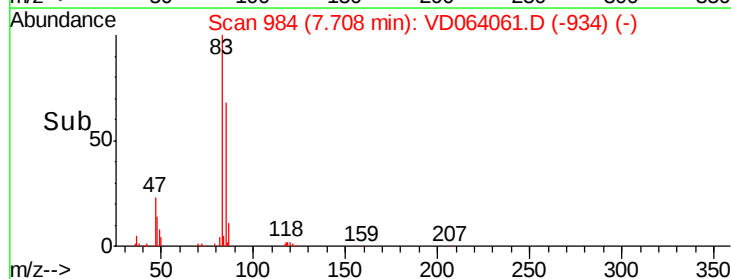
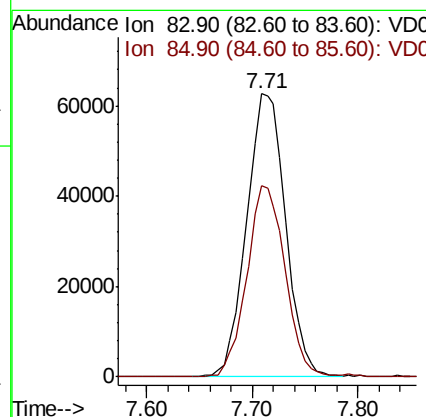
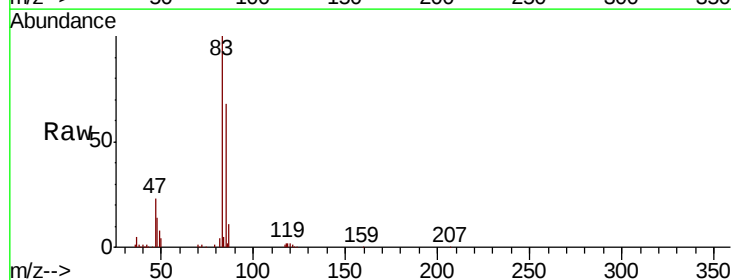
Instrument :
MSVOA_D
ClientSampled :

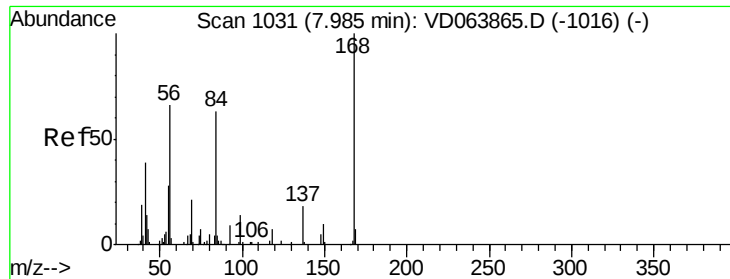
Tot Ion: 42 Resp: 68726
Ion Ratio Lower Upper
42 100
72 47.5 37.6 56.4
71 41.7 35.0 52.6



#30
Chloroform
Concen: 48.691 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion: 83 Resp: 160460
Ion Ratio Lower Upper
83 100
85 67.8 48.9 73.3

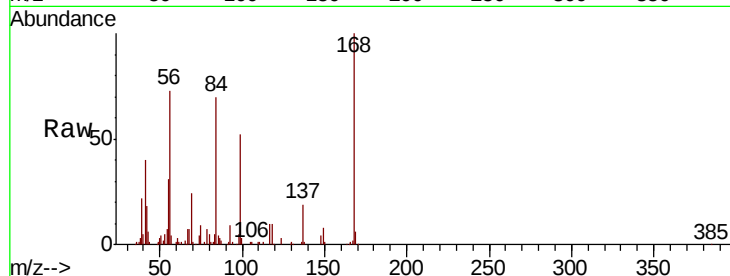




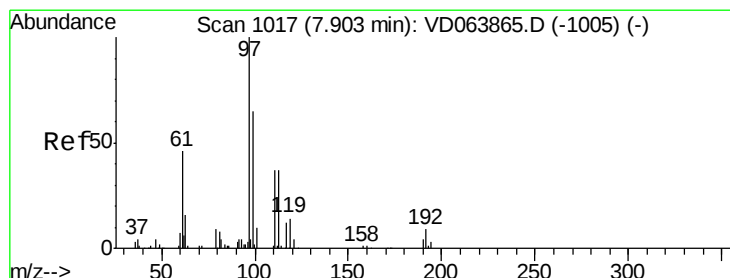
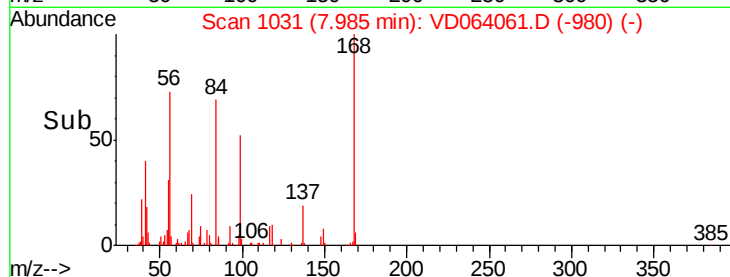
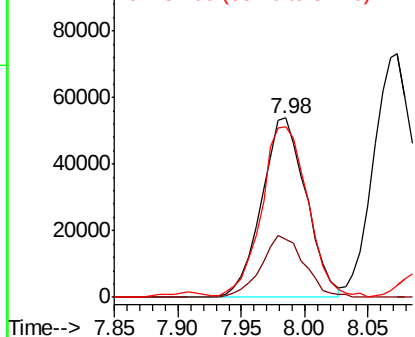
#31
Cvclohexane
Concen: 52.507 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 131217
Ion Ratio Lower Upper
56 100
69 32.1 25.0 37.4
84 91.9 76.3 114.5

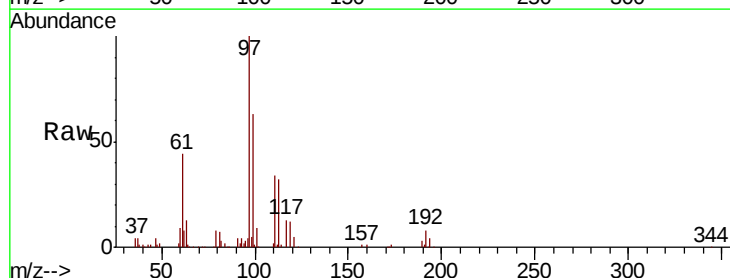


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

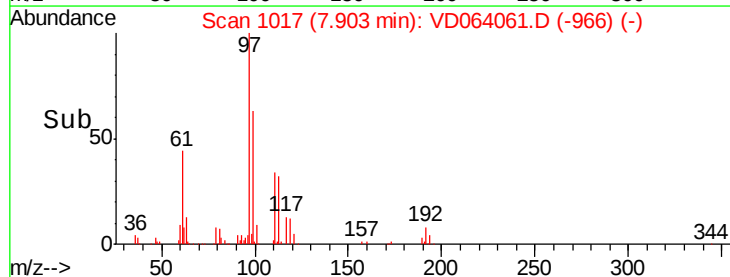
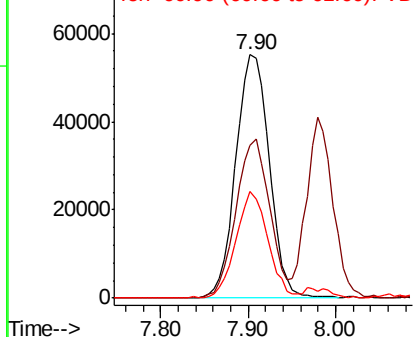


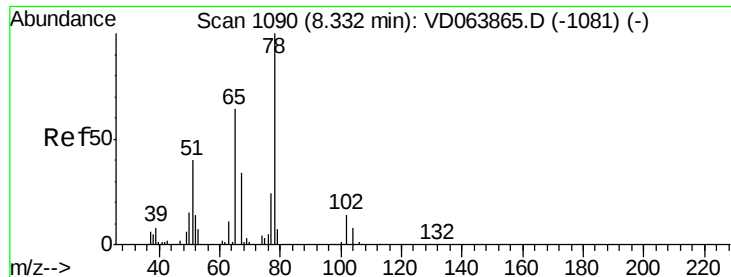
#32
1,1,1-Trichloroethane
Concen: 50.803 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion: 97 Resp: 143614
Ion Ratio Lower Upper
97 100
99 65.4 52.4 78.6
61 40.9 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: 45.960 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

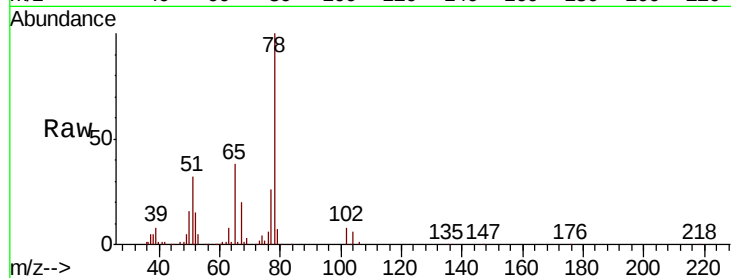
ClientSampleId :

Tot Ion: 65 Resp: 77455

Ion Ratio Lower Upper

65 100

67 52.7 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

40000

30000

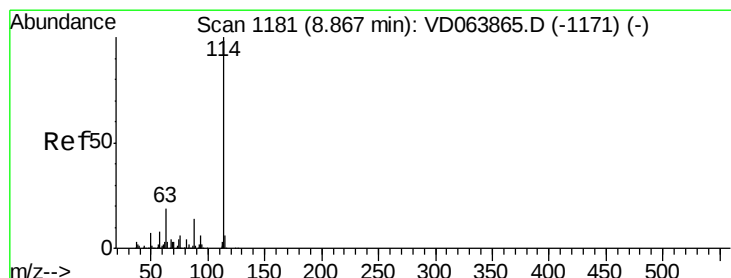
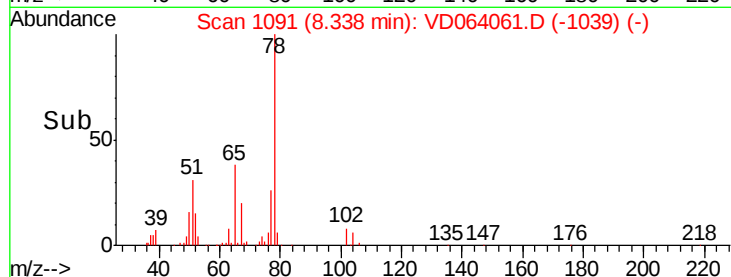
20000

10000

0

8.25 8.30 8.35 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: VD064061.D

Acq: 25 Oct 2019 13:01

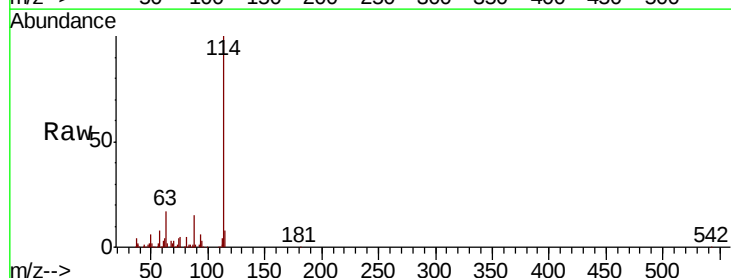
Tgt Ion: 114 Resp: 264207

Ion Ratio Lower Upper

114 100

63 16.5 0.0 38.4

88 15.4 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

150000

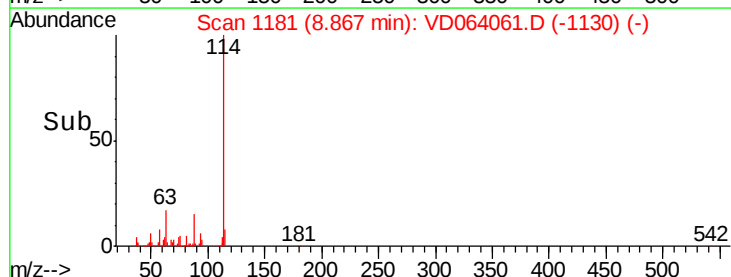
100000

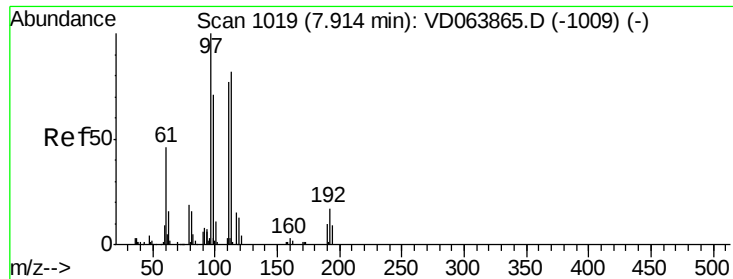
50000

0

8.80 8.85 8.90 8.95

Time-->





#35

Dibromofluoromethane

Concen: 48.629 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

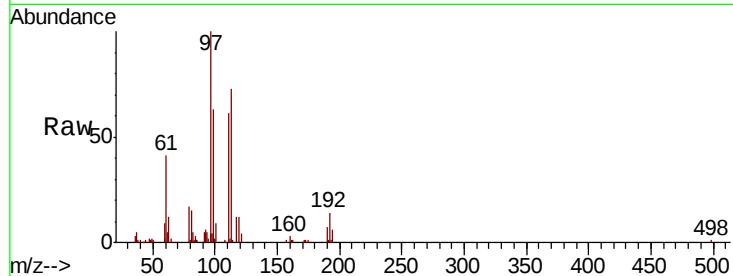
Tot Ion:113 Resp: 78519

Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

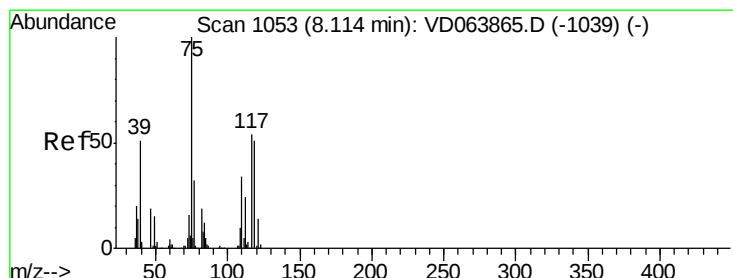
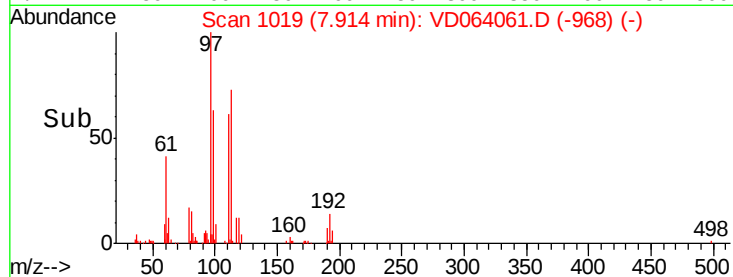
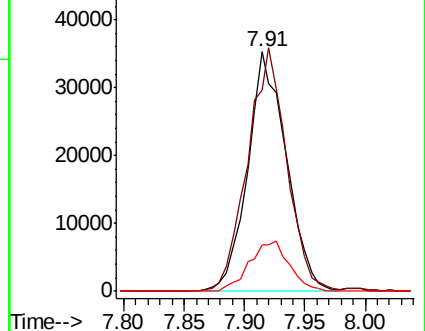
192 21.3 17.1 25.7



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: 52.129 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

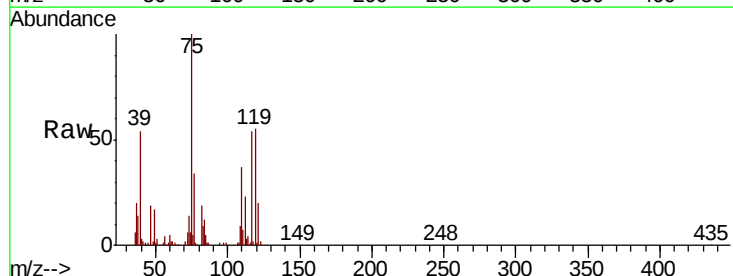
Tgt Ion: 75 Resp: 125928

Ion Ratio Lower Upper

75 100

110 36.7 17.4 52.3

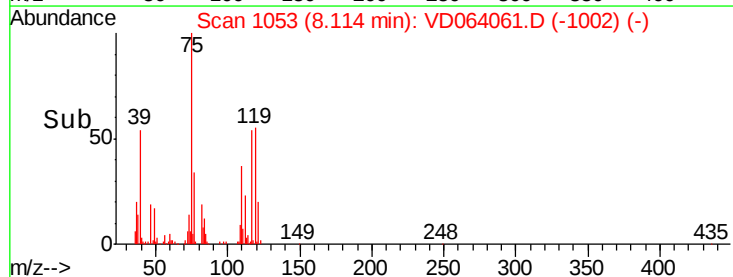
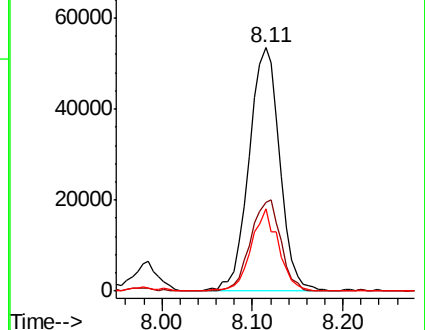
77 30.1 25.4 38.0

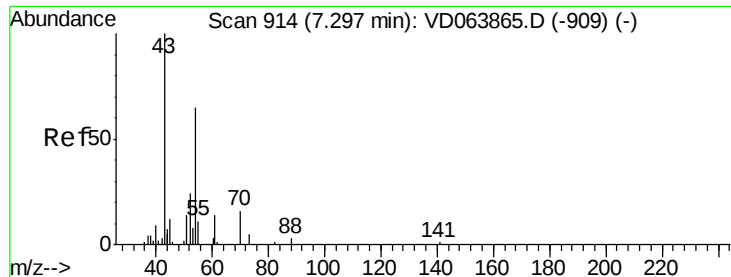


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

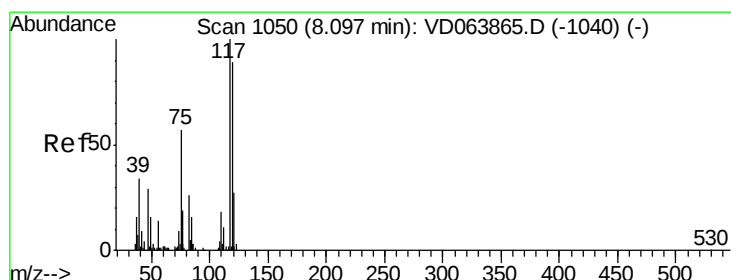
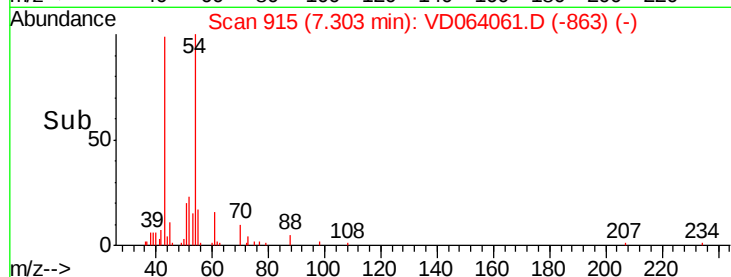
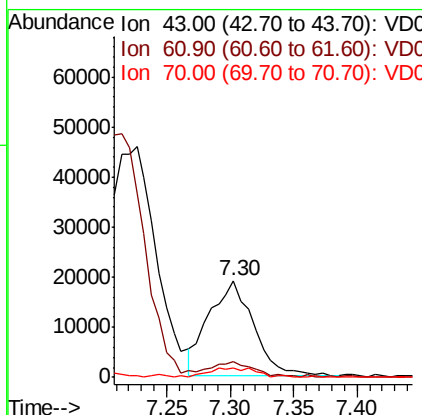
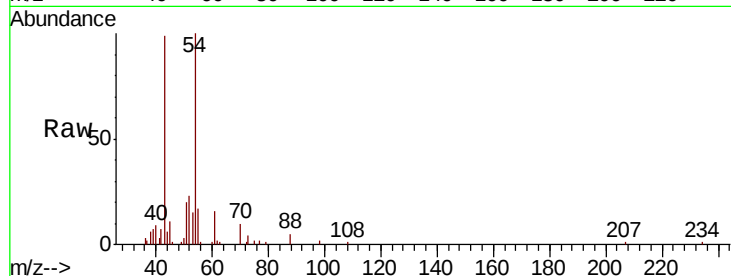




#37
Ethyl Acetate
Concen: 47.344 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

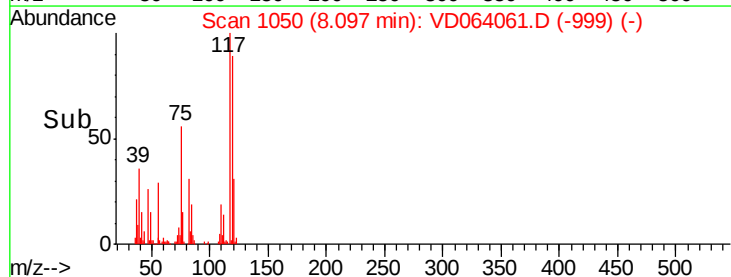
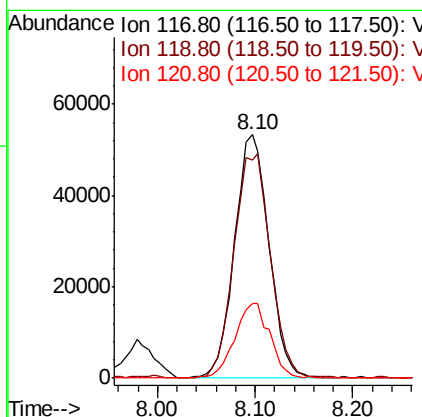
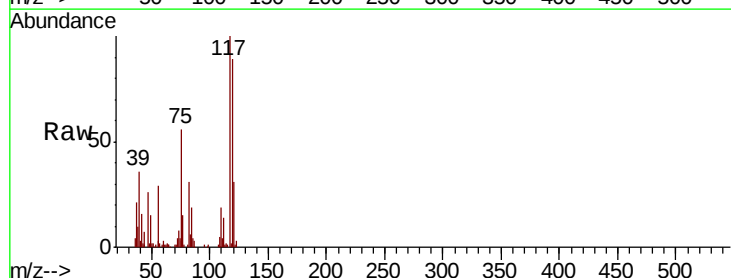
Instrument :
MSVOA_D
ClientSampleId :

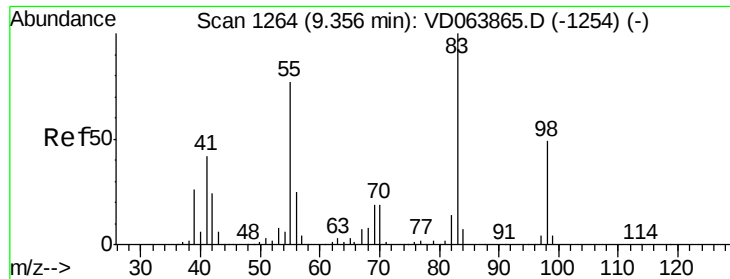
Tot Ion: 43 Resp: 46066
Ion Ratio Lower Upper
43 100
61 15.8 11.5 17.3
70 11.0 8.2 12.4



#38
Carbon Tetrachloride
Concen: 53.743 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion: 117 Resp: 131195
Ion Ratio Lower Upper
117 100
119 89.4 70.8 106.2
121 30.7 21.4 32.0

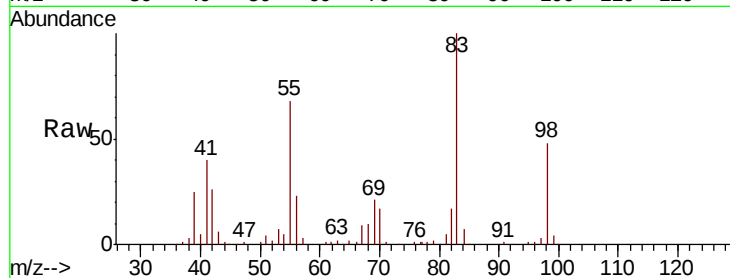




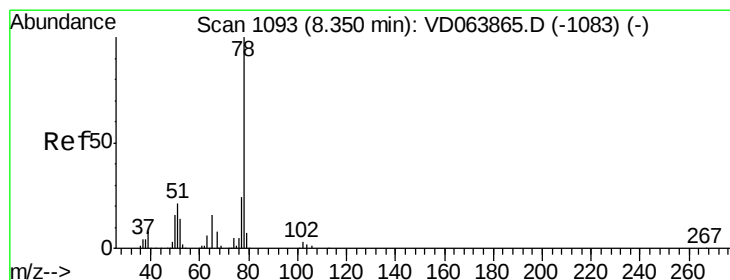
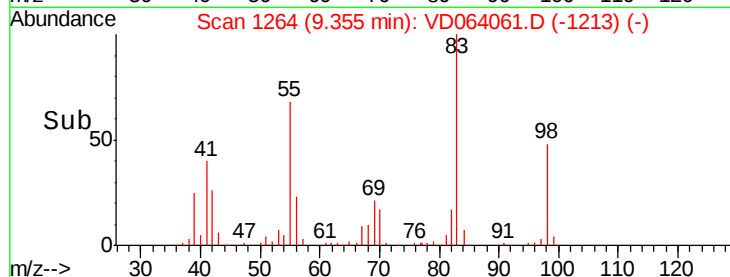
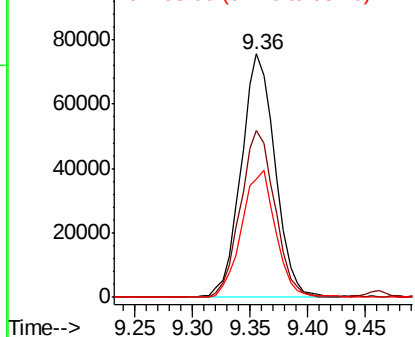
#39
Methvlcvclohexane
Concen: 52.121 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	83.00	Resp	154812
Ion	Ratio	Lower	Upper
83	100		
55	68.3	61.3	91.9
98	48.3	39.3	58.9

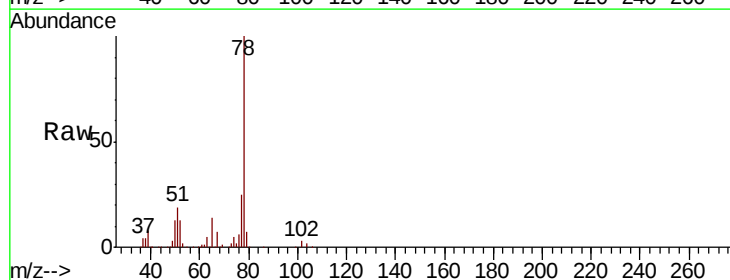


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

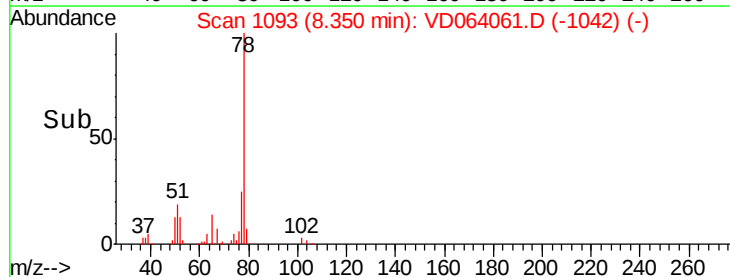
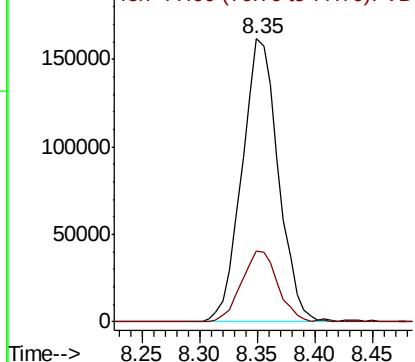


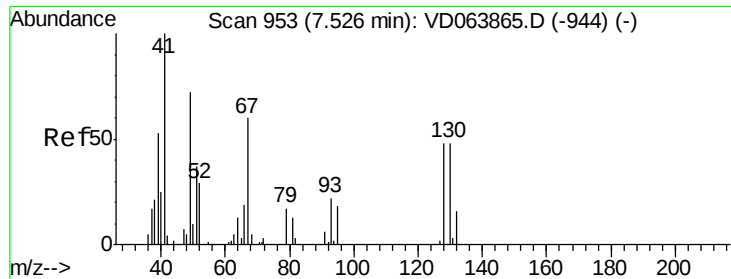
#40
Benzene
Concen: 51.315 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	78	Resp	355238
Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.0	28.6



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

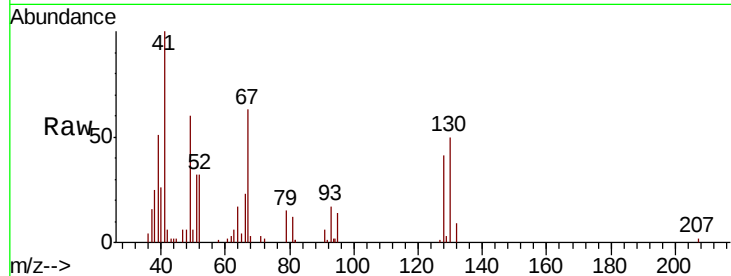




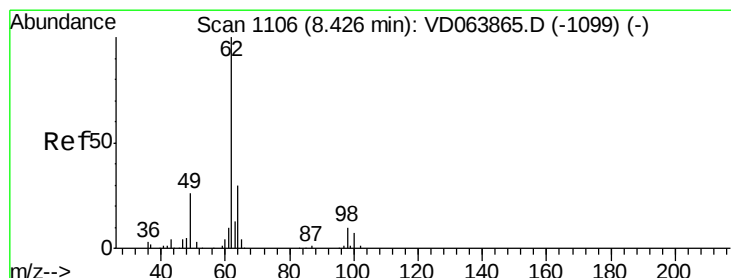
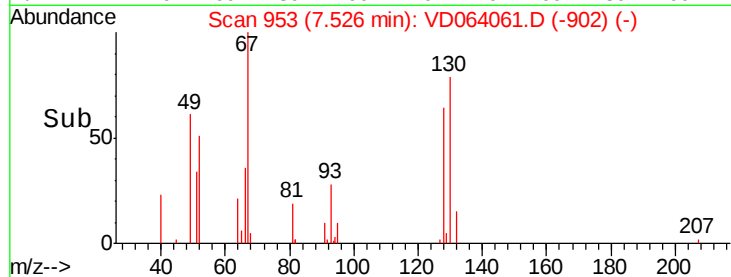
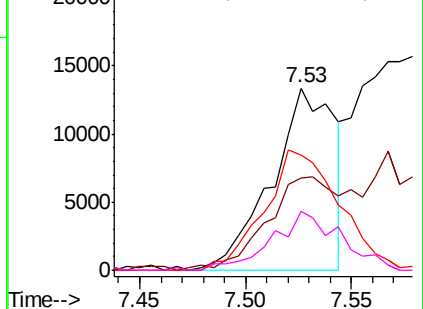
#41
Methacrylonitrile
Concen: 49.524 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 41 Resp: 27737
Ion Ratio Lower Upper
41 100
39 55.7 52.6 78.8
67 78.9 74.2 111.2
52 35.3 34.0 51.0

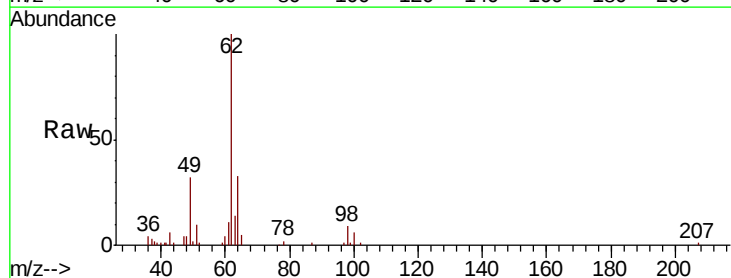


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

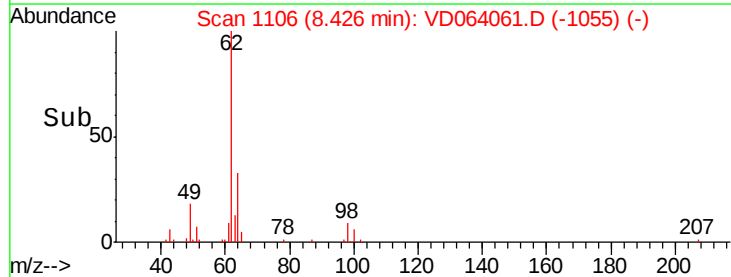
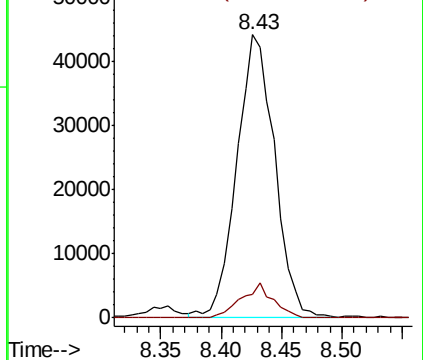


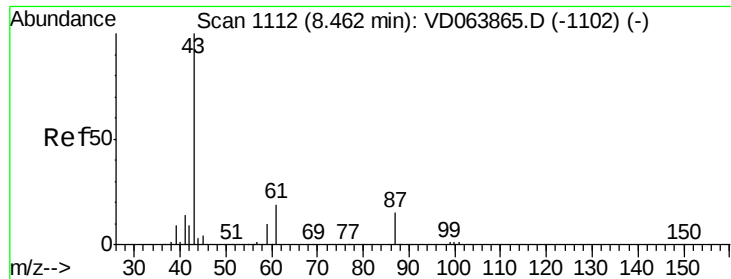
#42
1,2-Dichloroethane
Concen: 48.332 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion: 62 Resp: 96784
Ion Ratio Lower Upper
62 100
98 10.3 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 46.111 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

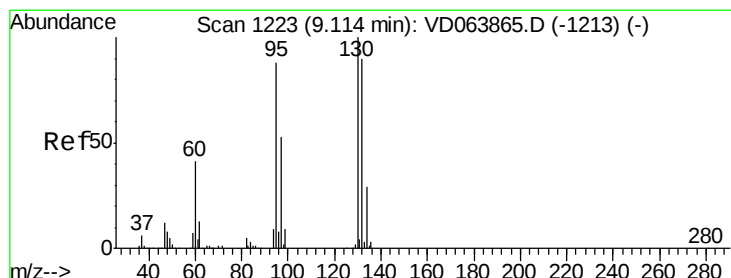
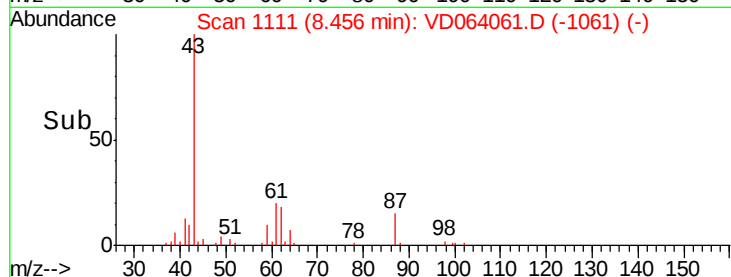
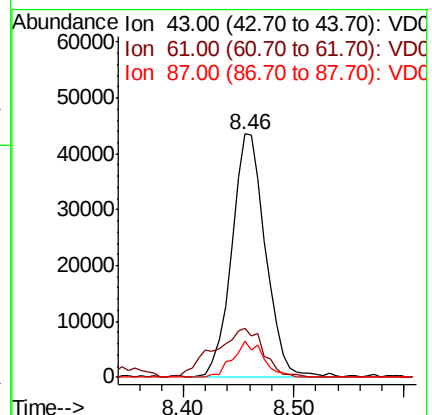
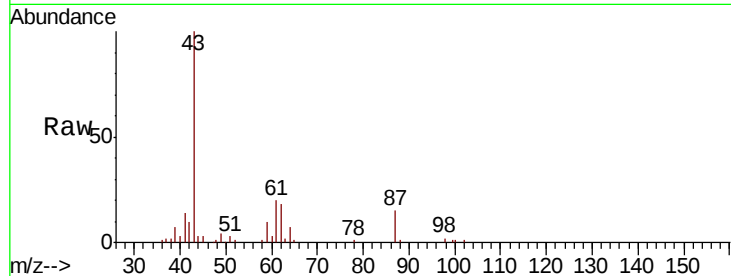
Tot Ion: 43 Resp: 93416

Ion Ratio Lower Upper

43 100

61 29.4 25.7 38.5

87 13.4 11.6 17.4



#44

Trichloroethene

Concen: 51.571 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064061.D

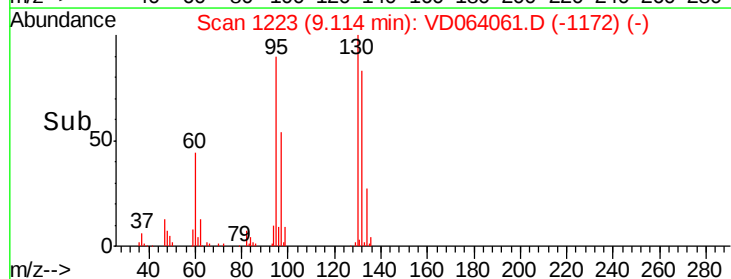
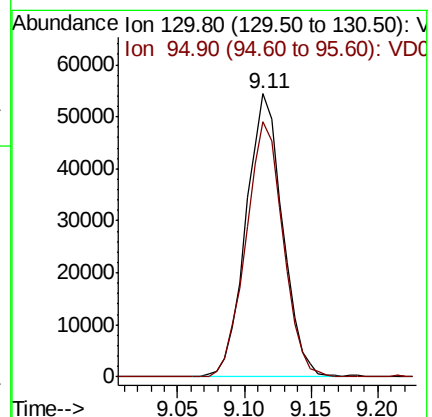
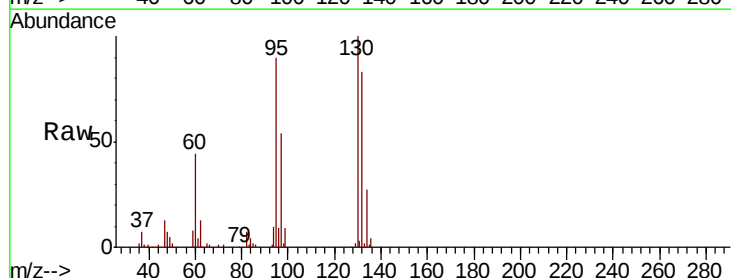
Acq: 25 Oct 2019 13:01

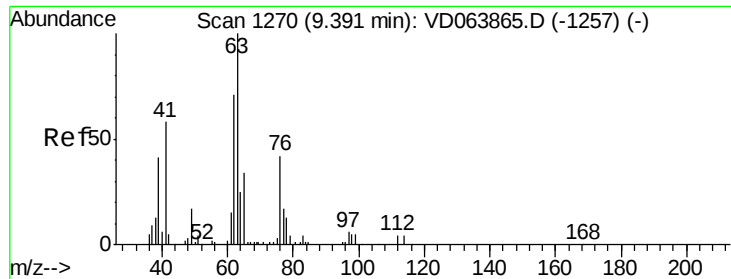
Tgt Ion:130 Resp: 102948

Ion Ratio Lower Upper

130 100

95 90.1 0.0 175.6





#45

1,2-Dichloropropane

Concen: 49.883 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

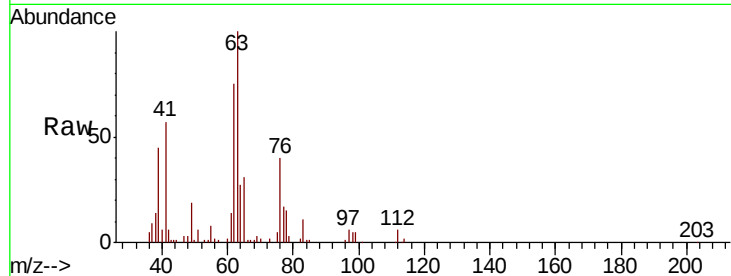
ClientSampled :

Tot Ion: 63 Resp: 84523

Ion Ratio Lower Upper

63 100

65 31.5 27.3 40.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

40000

30000

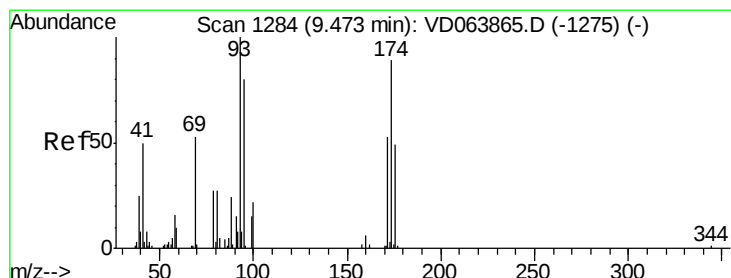
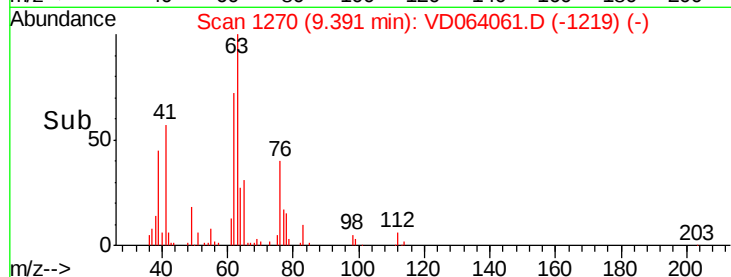
20000

10000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 50.634 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

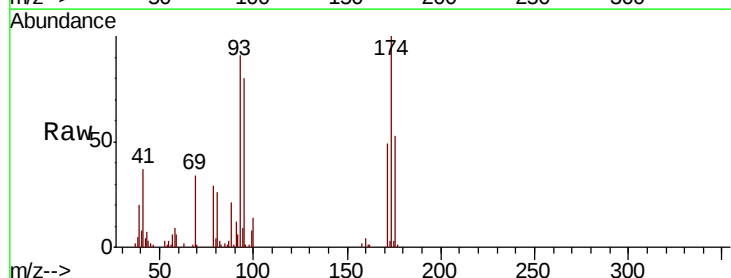
Tgt Ion: 93 Resp: 48862

Ion Ratio Lower Upper

93 100

95 85.0 66.0 99.0

174 107.6 83.4 125.0



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

30000

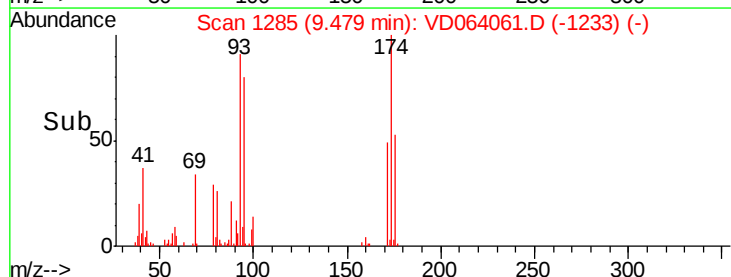
20000

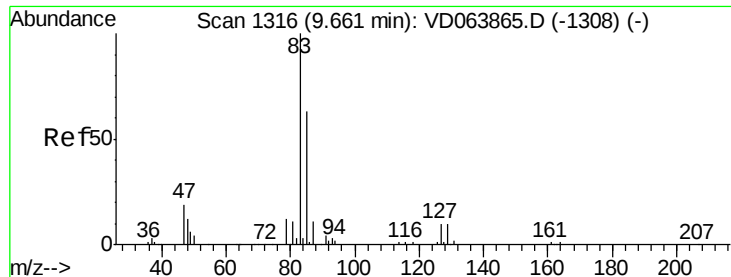
10000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 49.759 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

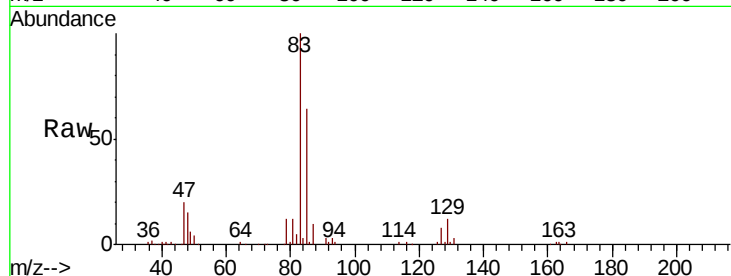
Tot Ion: 83 Resp: 123627

Ion Ratio Lower Upper

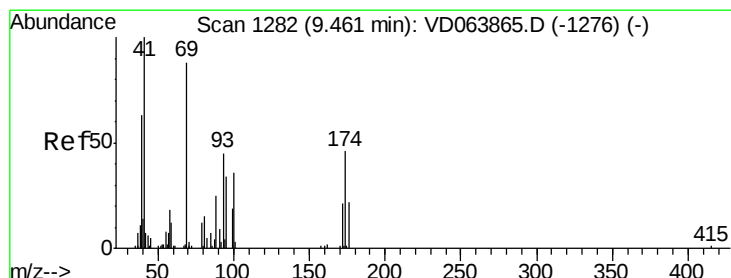
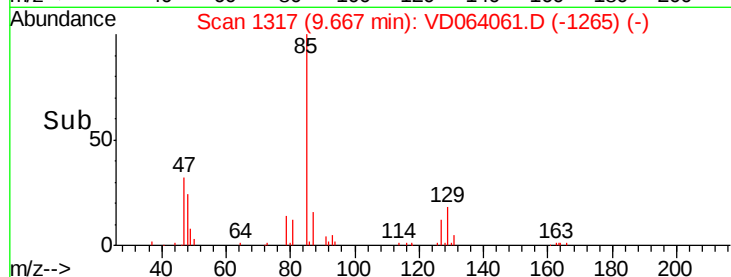
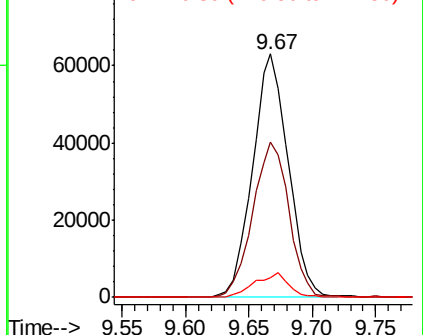
83 100

85 64.0 50.2 75.2

127 7.9 7.6 11.4



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



#48

Methyl methacrylate

Concen: 42.889 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

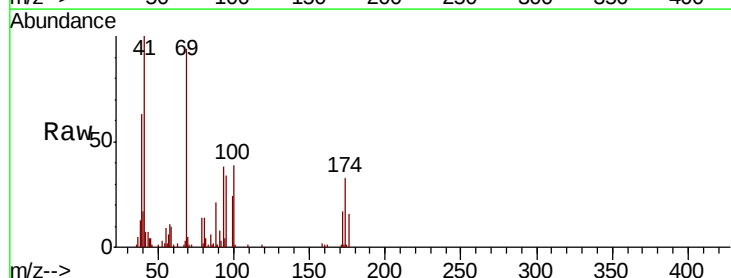
Tgt Ion: 41 Resp: 41631

Ion Ratio Lower Upper

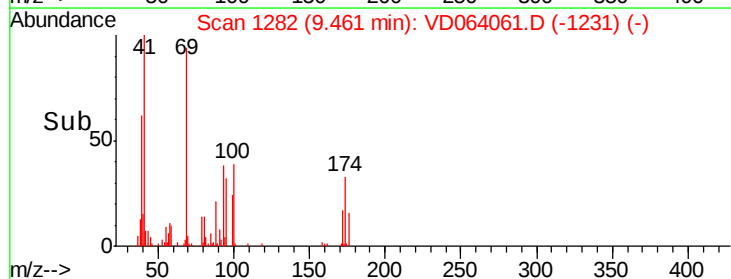
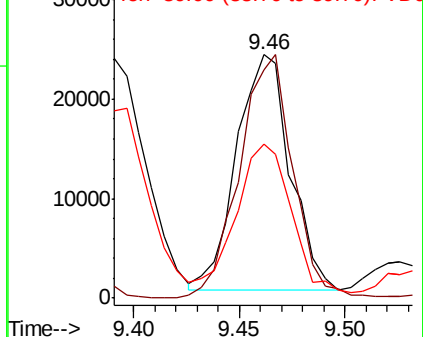
41 100

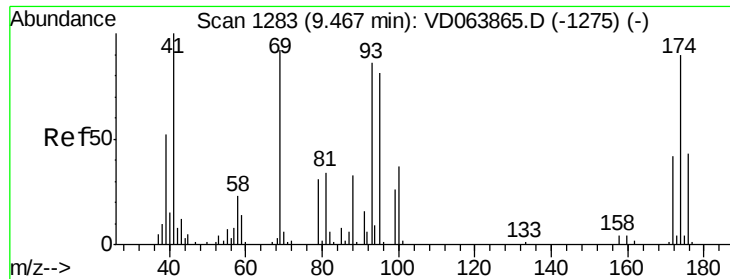
69 103.8 75.1 112.7

39 70.5 50.2 75.2



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





#49

1,4-Dioxane

Concen: 1000.134 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampled :

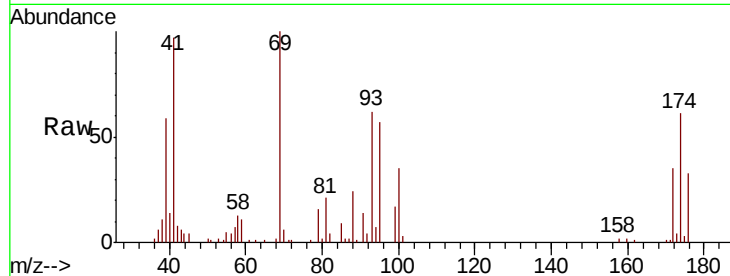
Tot Ion: 88 Resp: 13174

Ion Ratio Lower Upper

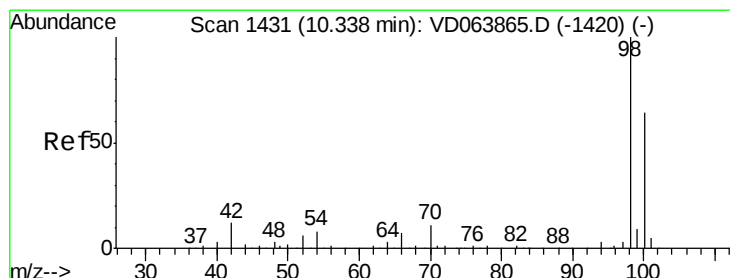
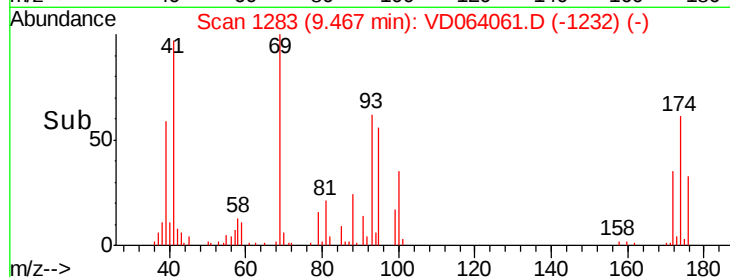
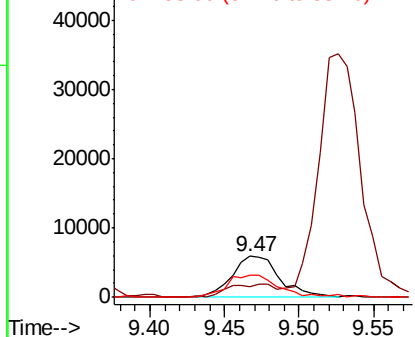
88 100

43 31.4 27.6 41.4

58 60.6 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: 49.938 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064061.D

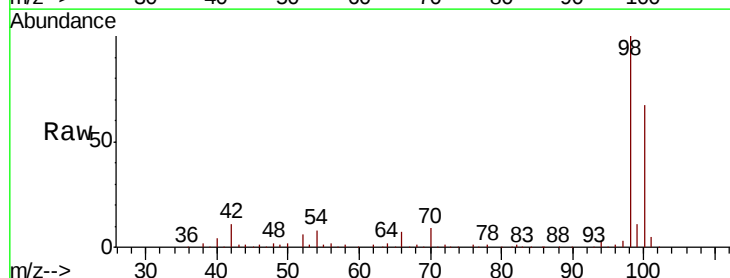
Acq: 25 Oct 2019 13:01

Tgt Ion: 98 Resp: 327276

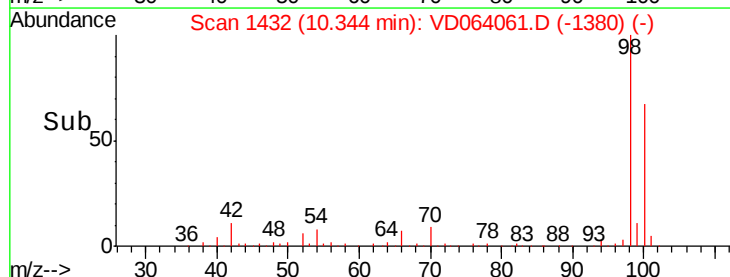
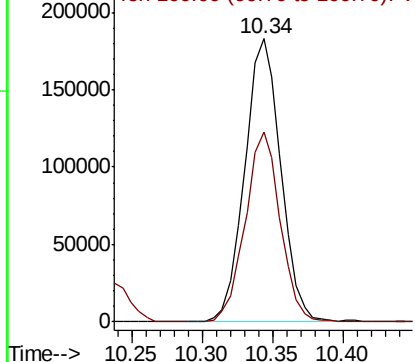
Ion Ratio Lower Upper

98 100

100 65.3 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: 237.260 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

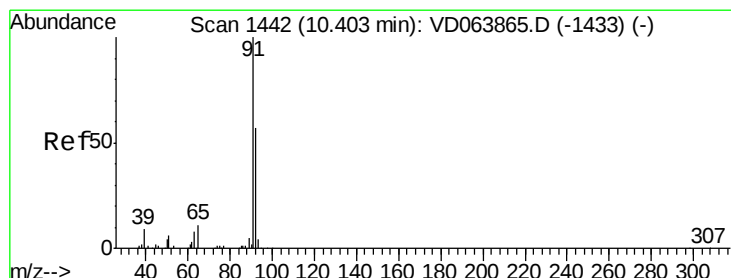
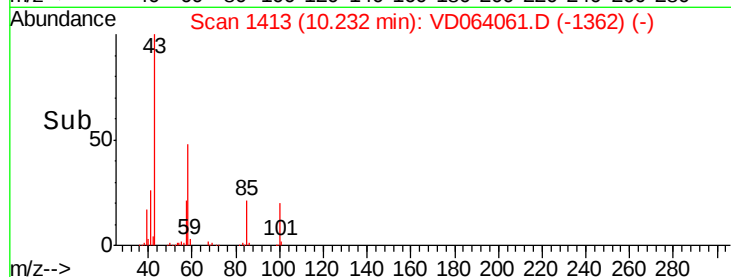
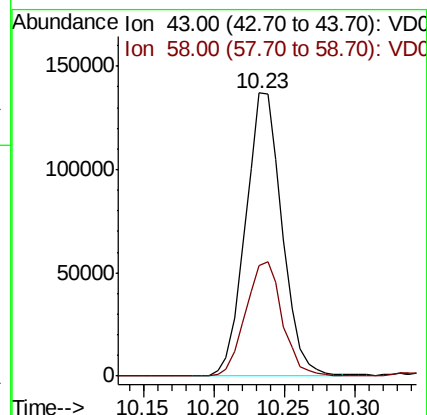
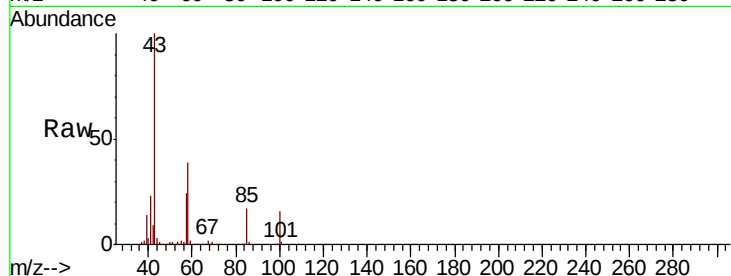
ClientSampleId :

Tot Ion: 43 Resp: 249284

Ion Ratio Lower Upper

43 100

58 40.5 33.0 49.4



#52

Toluene

Concen: 51.961 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064061.D

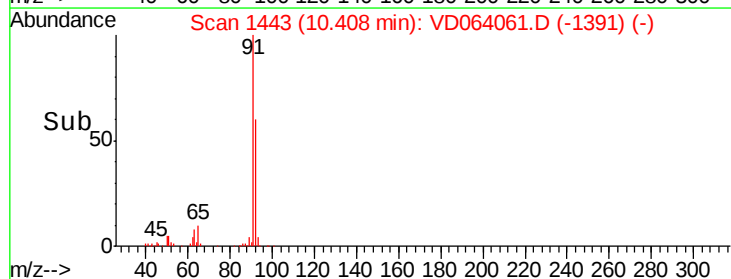
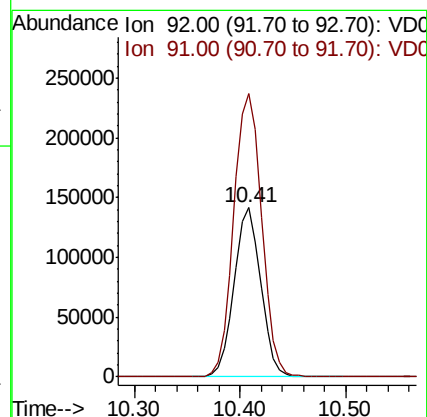
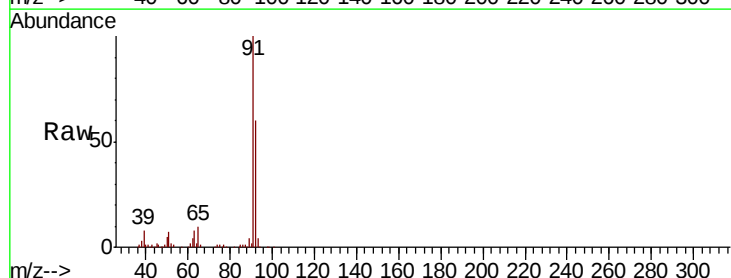
Acq: 25 Oct 2019 13:01

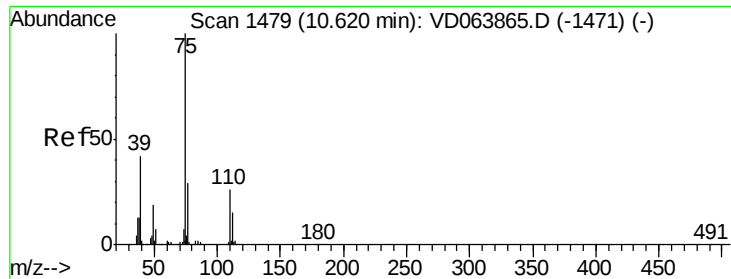
Tgt Ion: 92 Resp: 246932

Ion Ratio Lower Upper

92 100

91 175.4 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 49.036 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

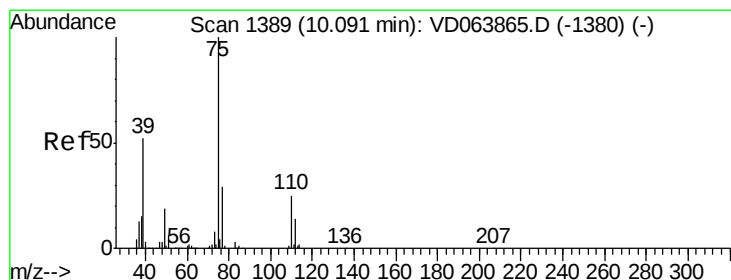
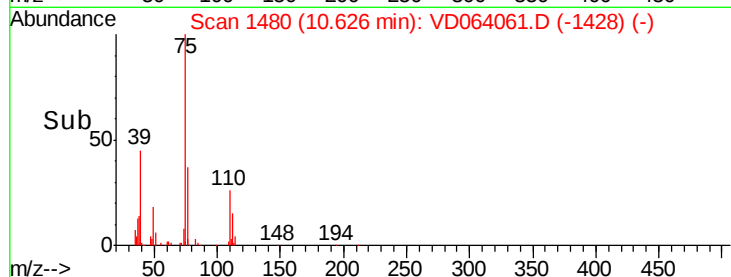
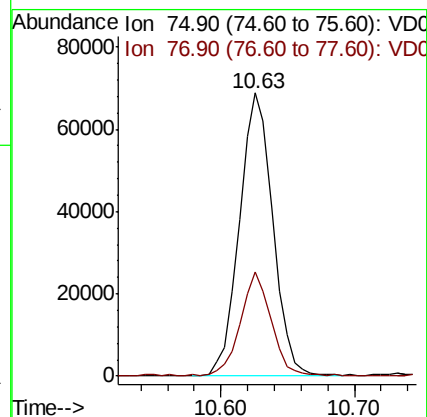
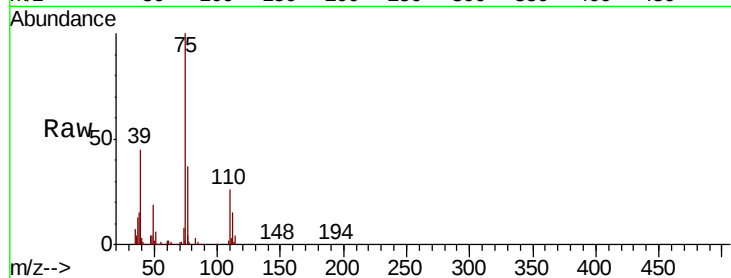
ClientSampleId :

Tot Ion: 75 Resp: 118884

Ion Ratio Lower Upper

75 100

77 36.6 22.8 34.2#



#54

cis-1,3-Dichloropropene

Concen: 48.940 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

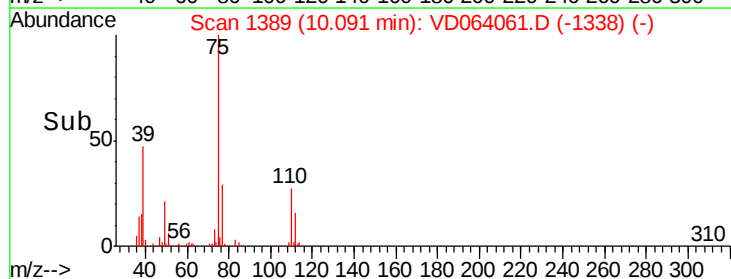
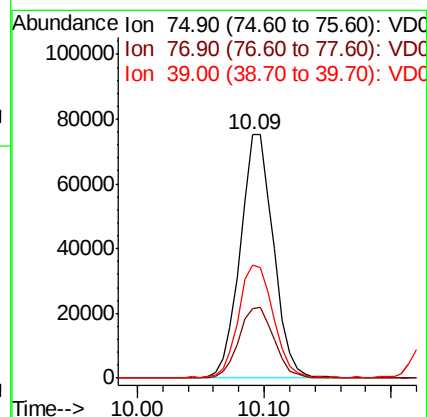
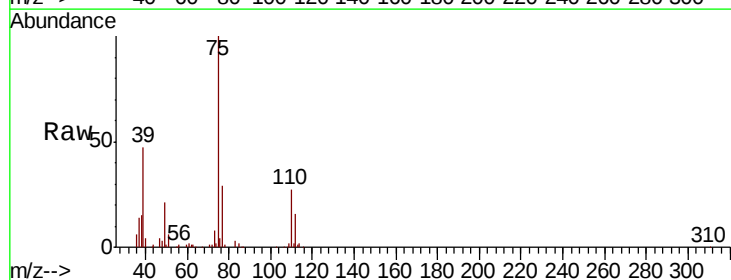
Tgt Ion: 75 Resp: 136580

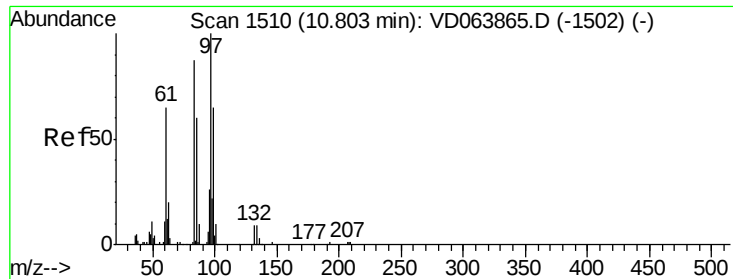
Ion Ratio Lower Upper

75 100

77 28.6 23.2 34.8

39 46.1 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 52.768 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 71899

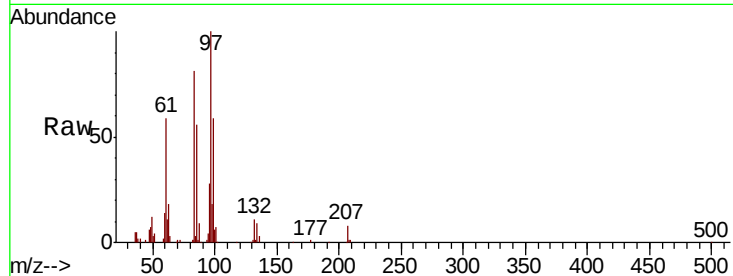
Ion	Ratio	Lower	Upper
97	100		
83	80.9	69.7	104.5
85	55.5	48.1	72.1
99	58.9	51.9	77.9

97 100

83 80.9 69.7 104.5

85 55.5 48.1 72.1

99 58.9 51.9 77.9

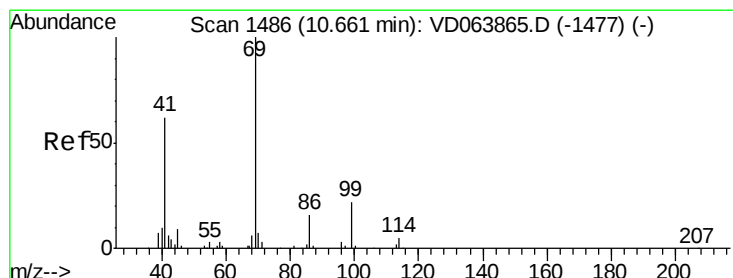
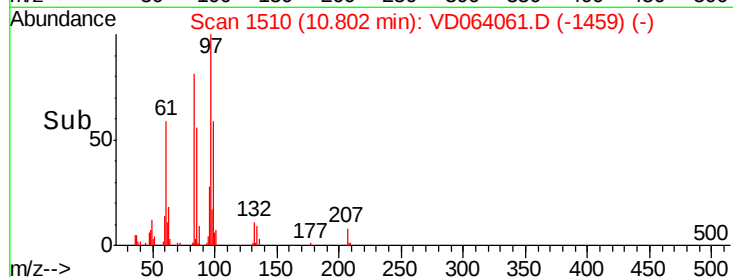
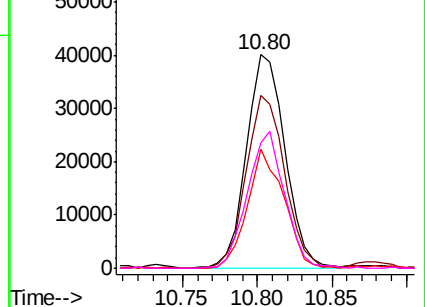


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 48.906 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

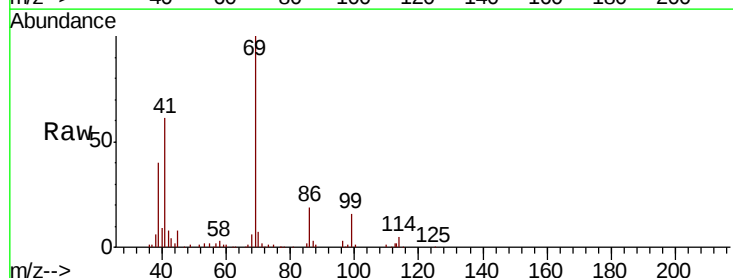
Tgt Ion: 69 Resp: 84385

Ion	Ratio	Lower	Upper
69	100		
41	60.3	51.3	76.9
39	35.0	28.0	42.0

69 100

41 60.3 51.3 76.9

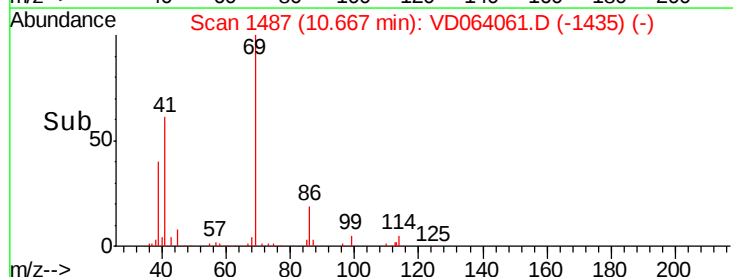
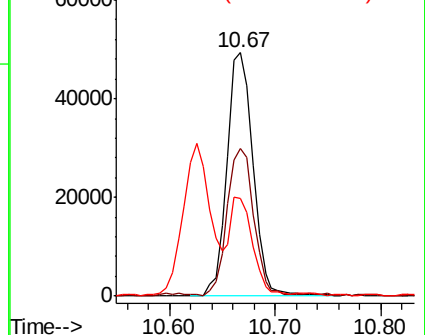
39 35.0 28.0 42.0

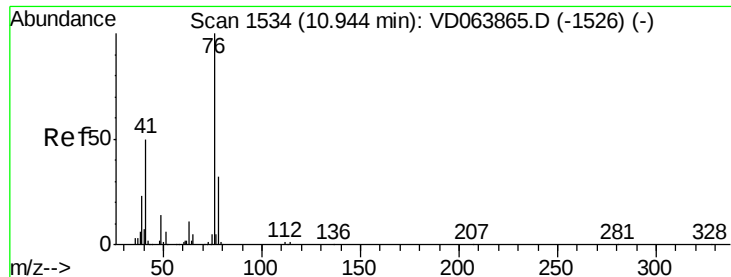


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 49.222 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

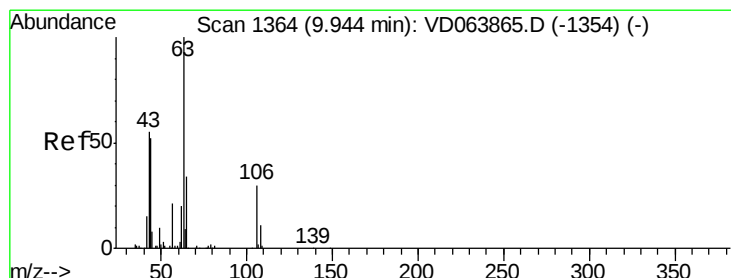
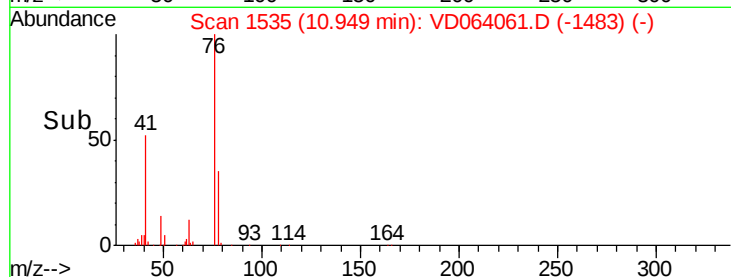
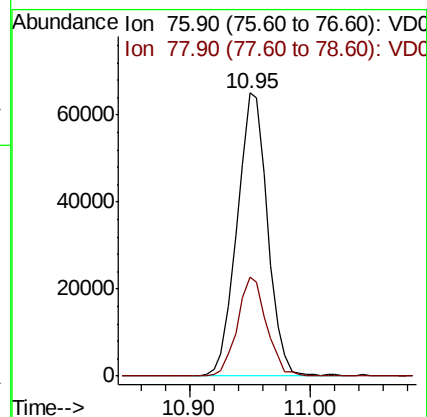
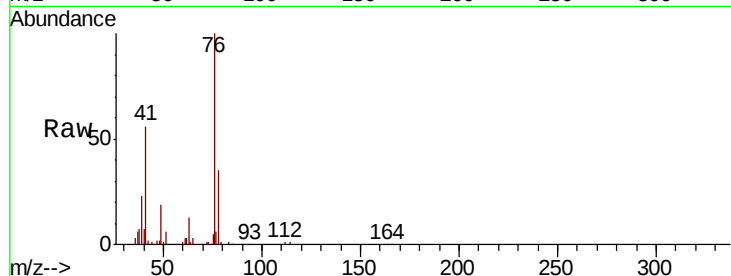
ClientSampleId :

Tot Ion: 76 Resp: 114748

Ion Ratio Lower Upper

76 100

78 33.3 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 250.845 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064061.D

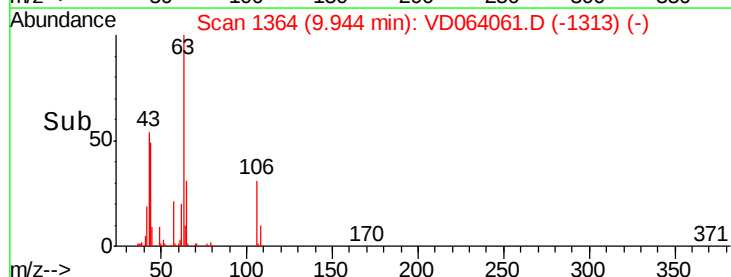
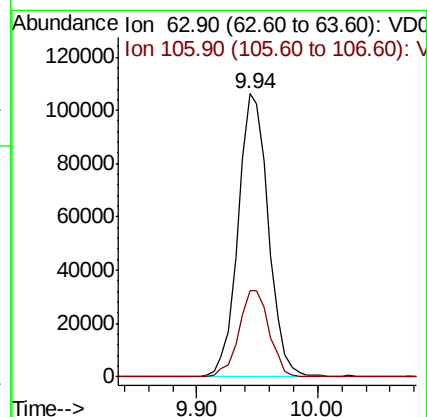
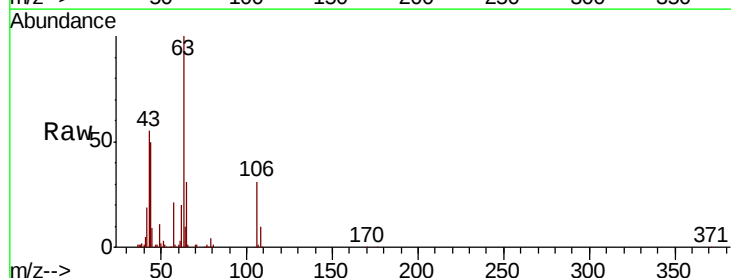
Acq: 25 Oct 2019 13:01

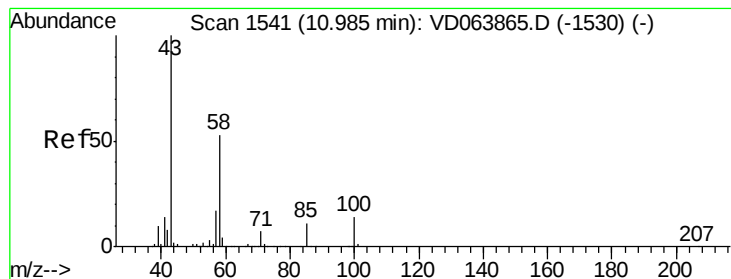
Tgt Ion: 63 Resp: 186044

Ion Ratio Lower Upper

63 100

106 30.7 24.3 36.5





#59

2-Hexanone

Concen: 248.708 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

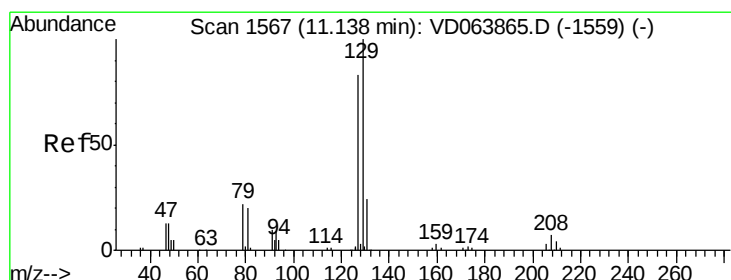
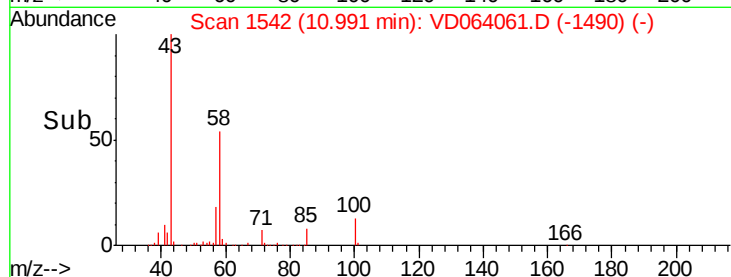
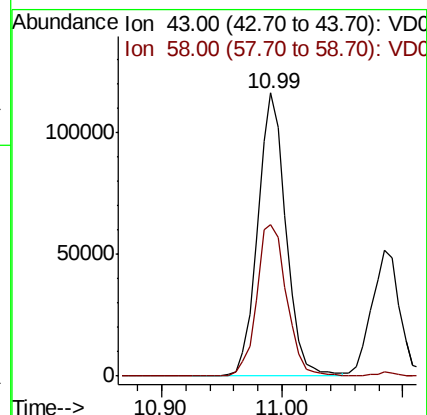
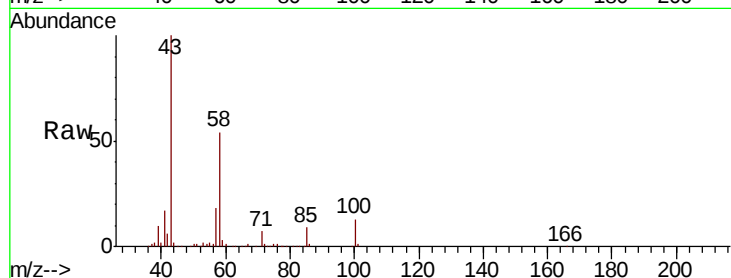
ClientSampled :

Tot Ion: 43 Resp: 189025

Ion Ratio Lower Upper

43 100

58 56.9 27.7 83.0



#60

Dibromochloromethane

Concen: 52.004 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VD064061.D

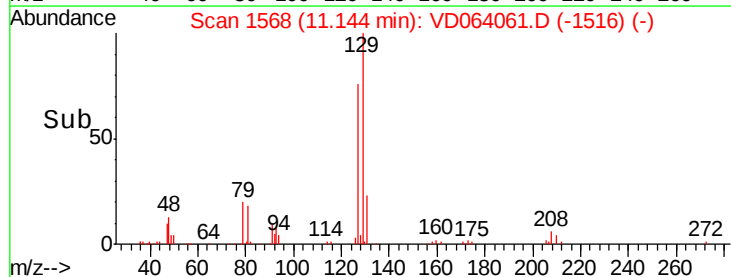
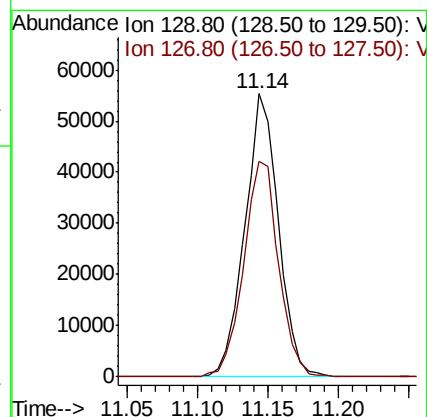
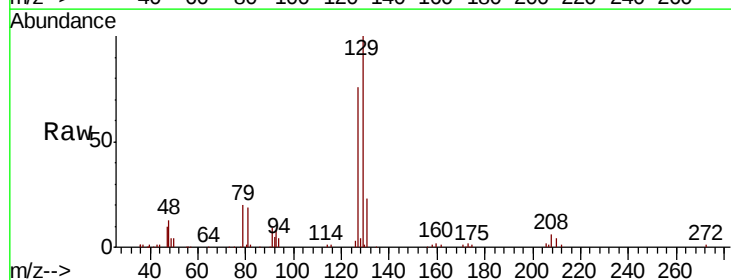
Acq: 25 Oct 2019 13:01

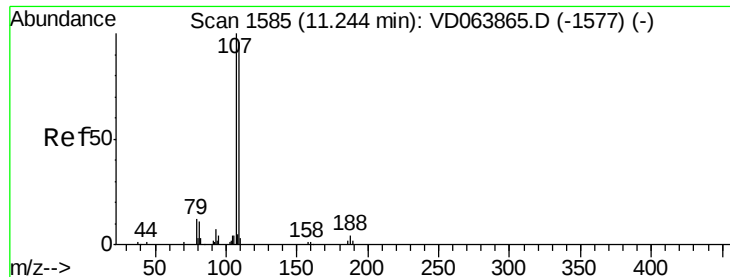
Tgt Ion: 129 Resp: 92249

Ion Ratio Lower Upper

129 100

127 79.3 39.9 119.6

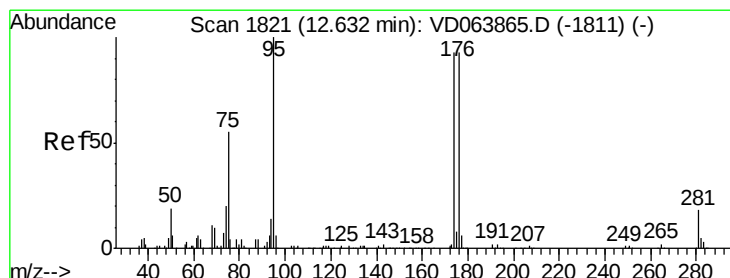
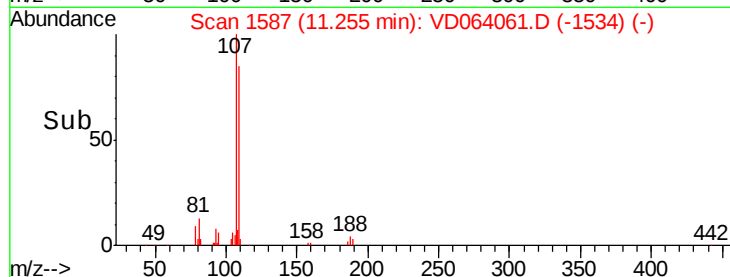
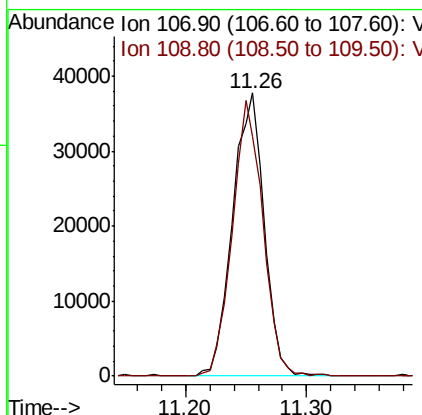
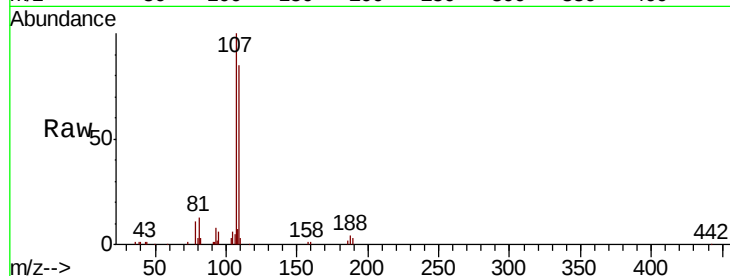




#61
 1,2-Dibromoethane
 Concen: 52.000 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

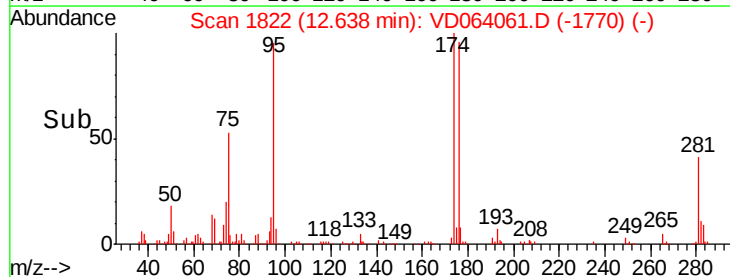
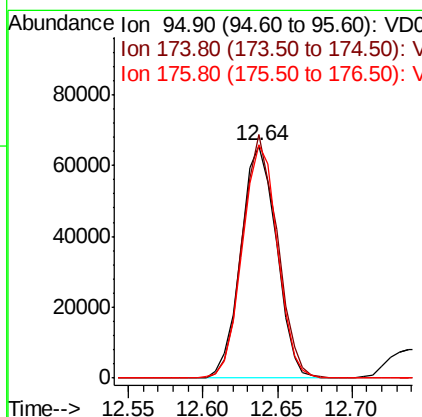
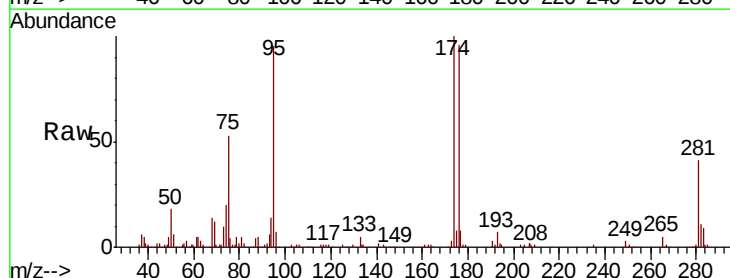
Instrument :
 MSVOA_D
 ClientSampleId :

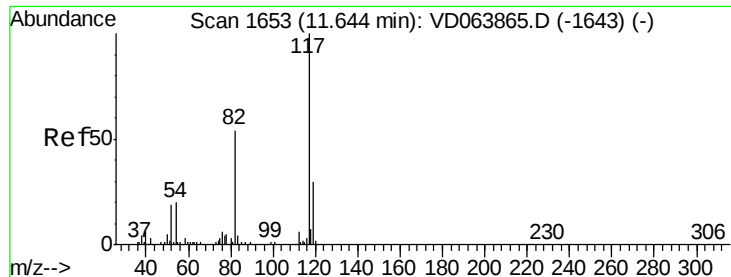
Tot Ion: 107 Resp: 68688
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 47.628 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Tgt Ion: 95 Resp: 108466
 Ion Ratio Lower Upper
 95 100
 174 103.2 0.0 186.4
 176 98.9 0.0 184.2

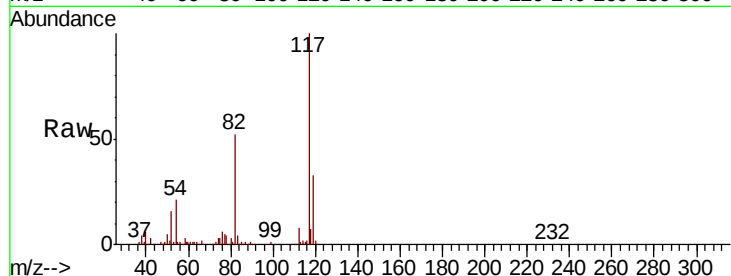




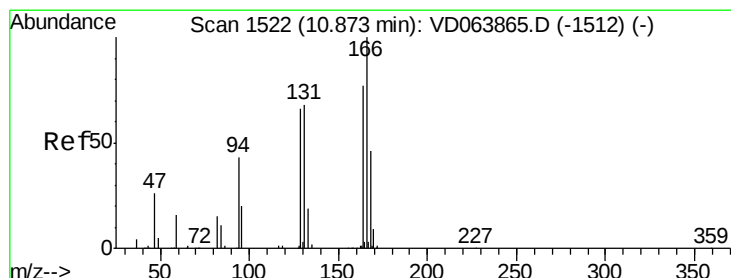
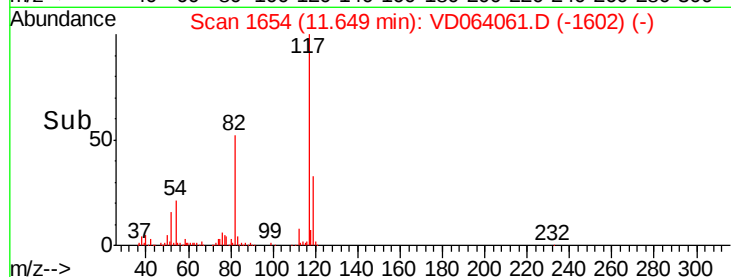
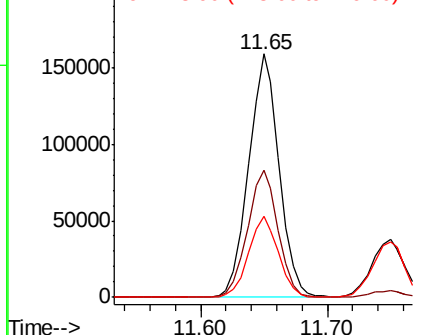
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.8	64.2
119	33.4	24.4	36.6



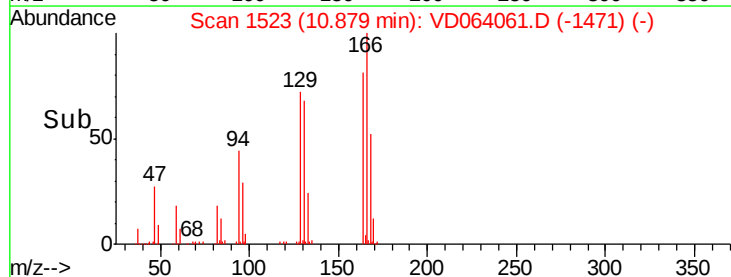
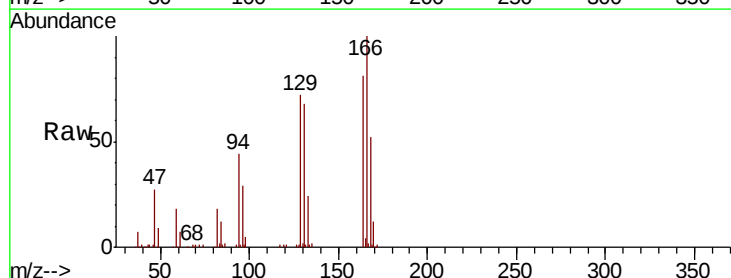
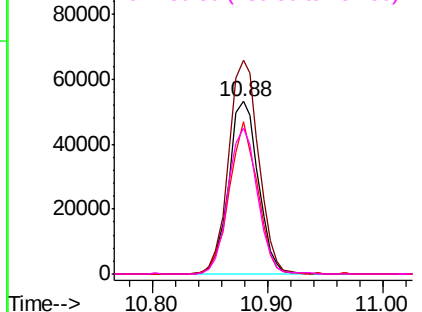
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

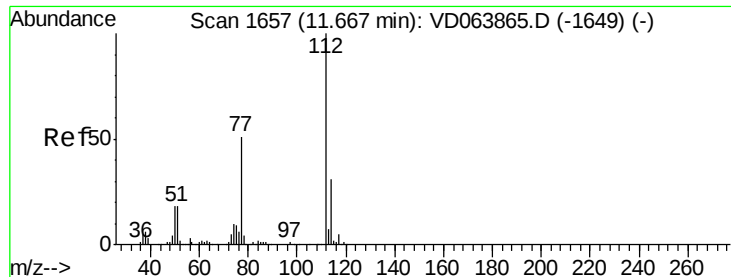


#64
Tetrachloroethene
Concen: 52.178 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.7	103.8	155.6
129	88.6	68.9	103.3
131	84.2	70.9	106.3

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





#65

Chlorobenzene

Concen: 52.298 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

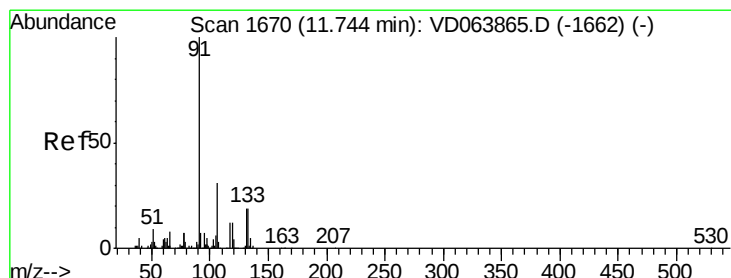
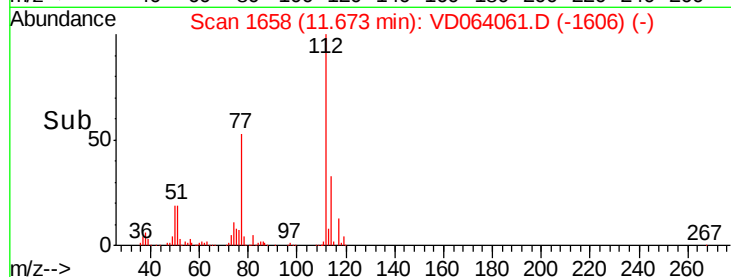
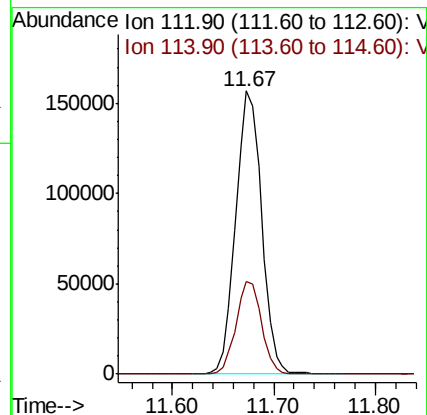
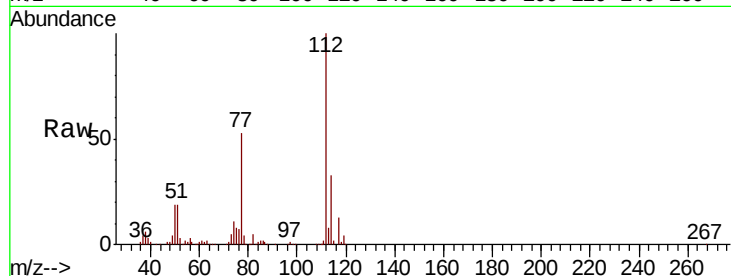
ClientSampleId :

Tot Ion:112 Resp: 279026

Ion Ratio Lower Upper

112 100

114 32.5 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 52.207 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

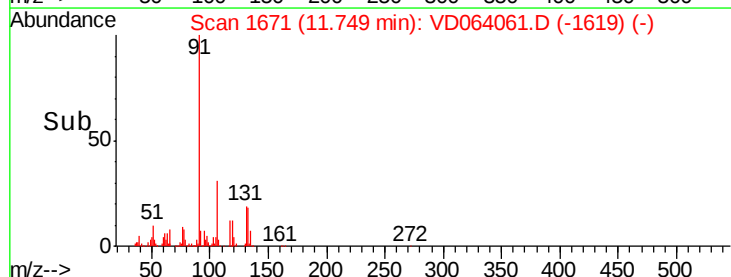
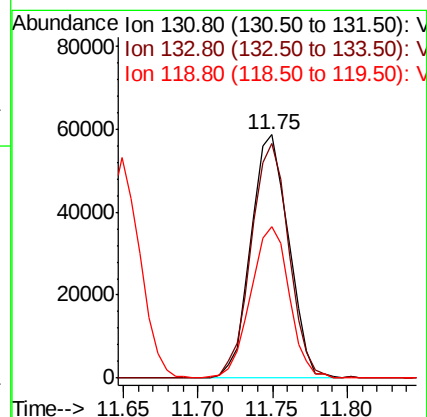
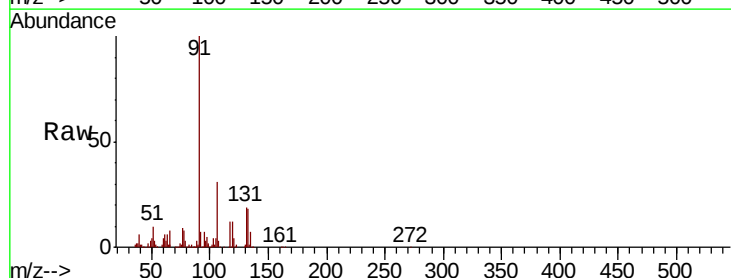
Tgt Ion:131 Resp: 102635

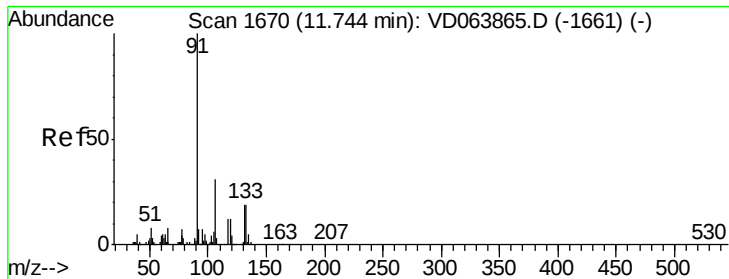
Ion Ratio Lower Upper

131 100

133 96.4 48.9 146.7

119 63.5 32.6 97.8





#67

Ethyl Benzene

Concen: 52.490 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

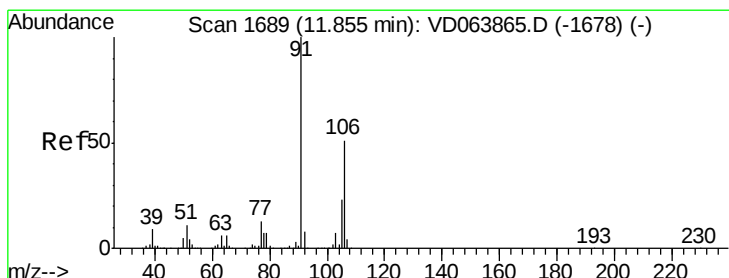
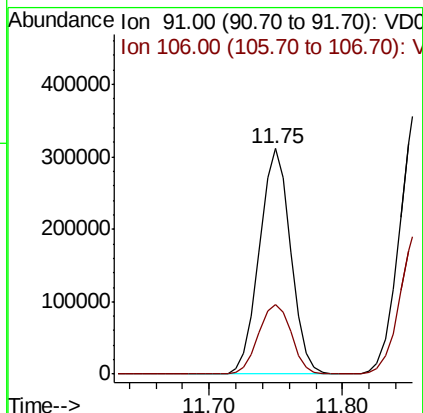
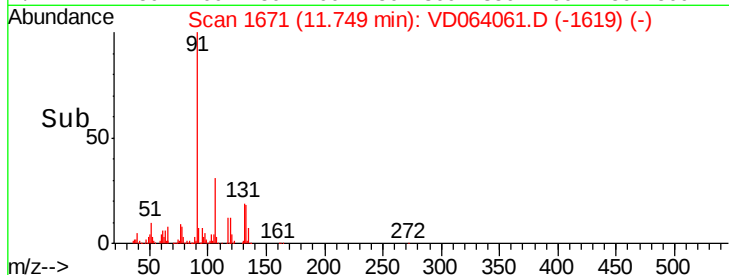
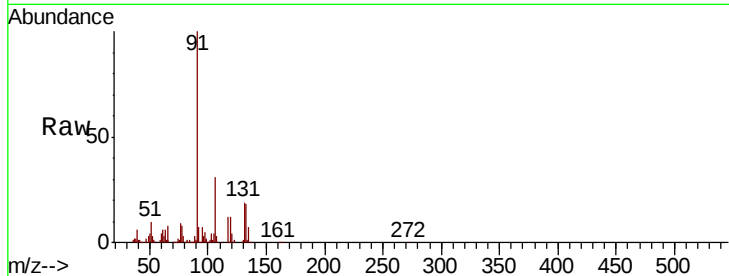
ClientSampleId :

Tot Ion: 91 Resp: 504987

Ion Ratio Lower Upper

91 100

106 30.6 24.6 37.0



#68

m/p-Xylenes

Concen: 107.167 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064061.D

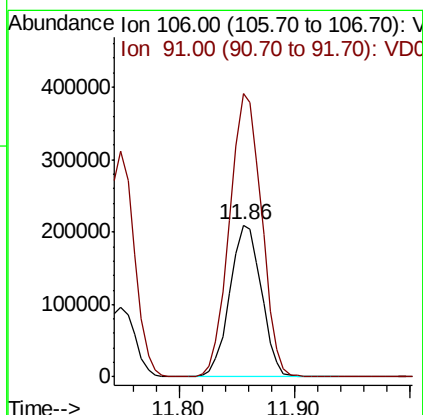
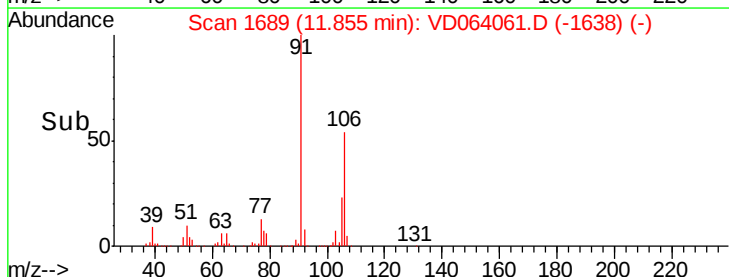
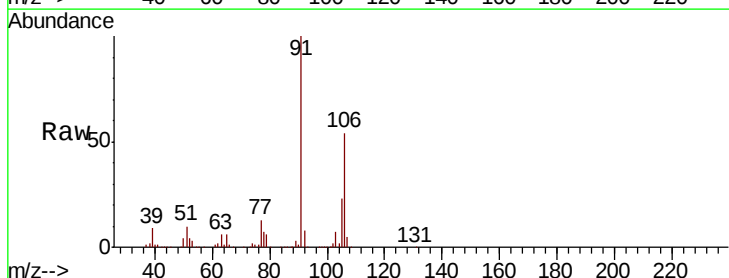
Acq: 25 Oct 2019 13:01

Tgt Ion: 106 Resp: 397946

Ion Ratio Lower Upper

106 100

91 189.3 154.8 232.2

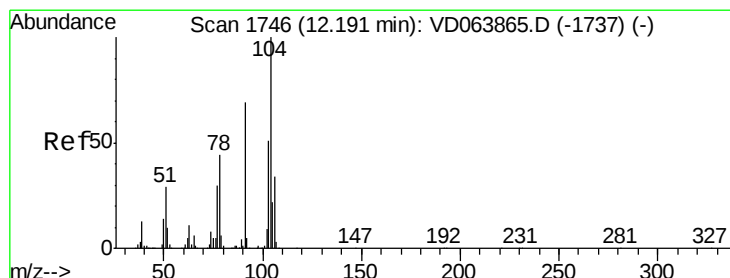
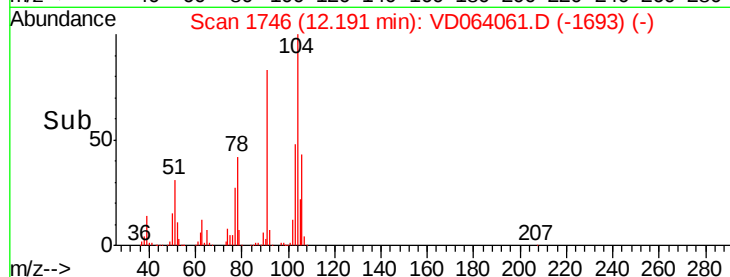
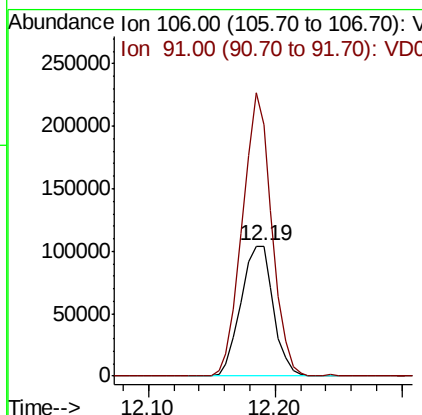
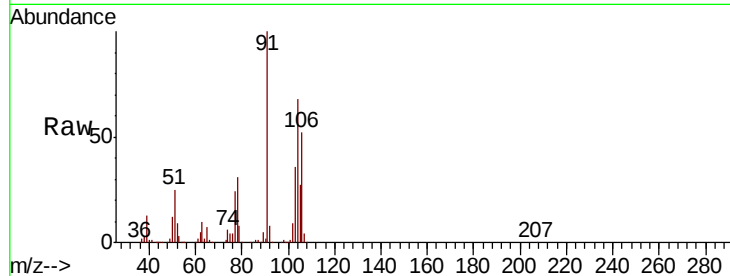




#69
o-Xylene
Concen: 52.220 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

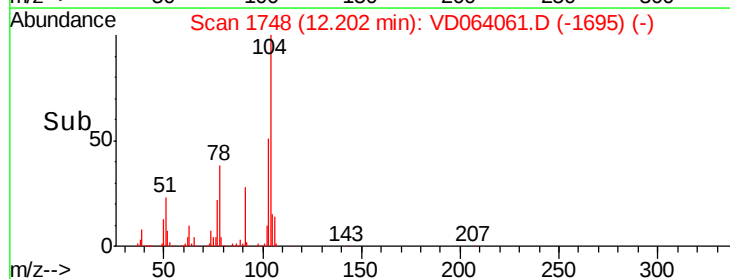
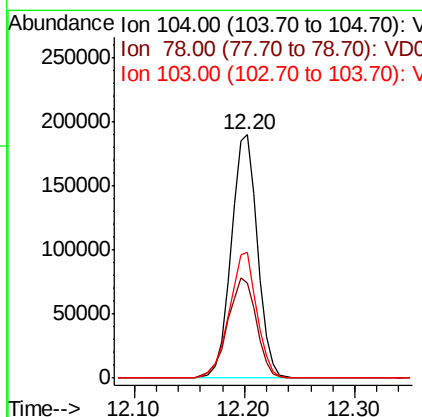
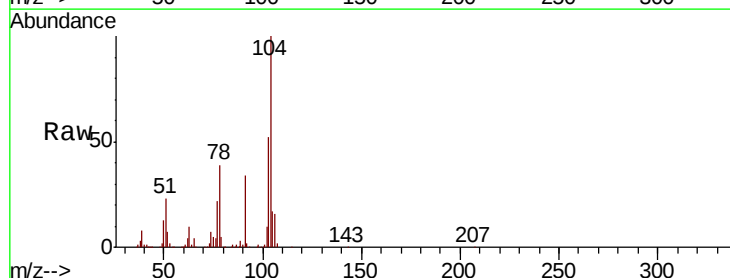
Instrument :
MSVOA_D
ClientSampled :

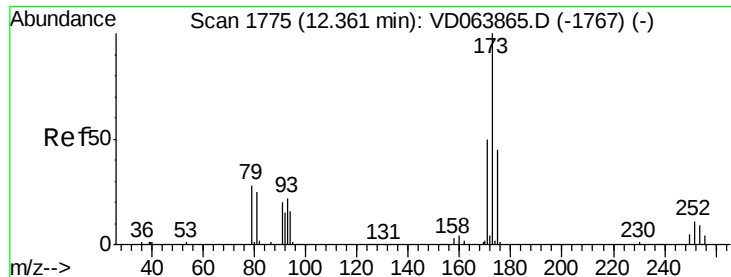
Tot Ion:106 Resp: 185676
Ion Ratio Lower Upper
106 100
91 196.4 103.9 311.7



#70
Styrene
Concen: 52.614 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion:104 Resp: 316697
Ion Ratio Lower Upper
104 100
78 44.9 37.0 55.4
103 54.3 44.2 66.4





#71

Bromoform

Concen: 54.490 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

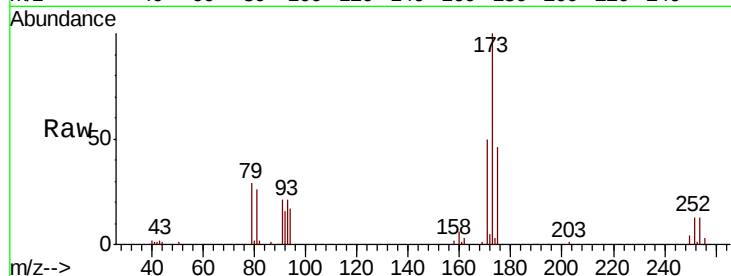
Tot Ion:173 Resp: 57490

Ion Ratio Lower Upper

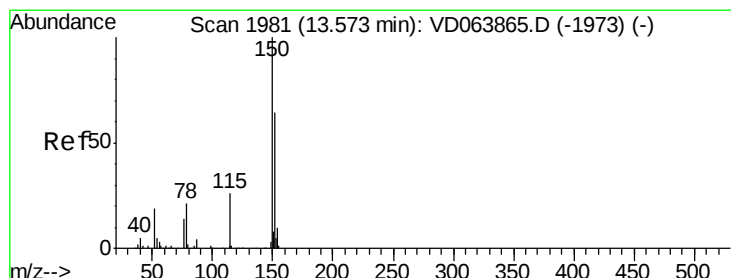
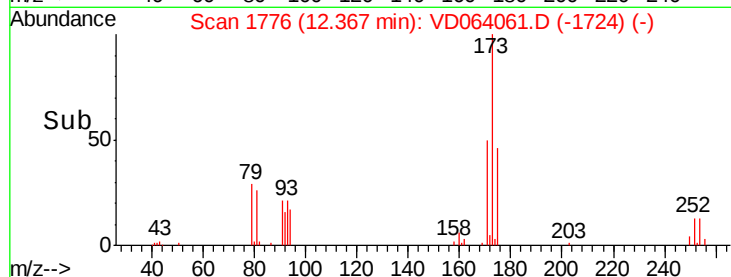
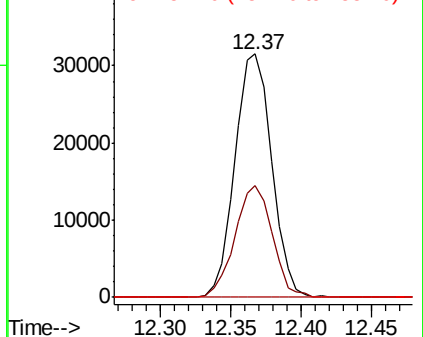
173 100

175 46.4 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: VD064061.D

Acq: 25 Oct 2019 13:01

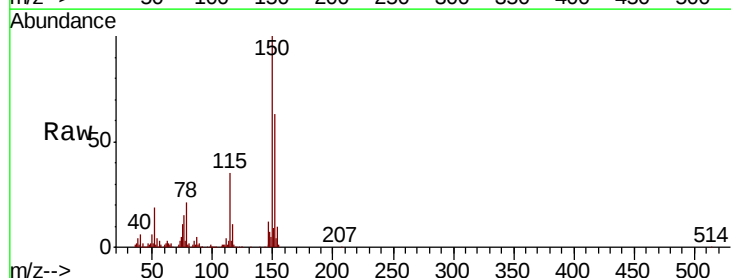
Tgt Ion:152 Resp: 151728

Ion Ratio Lower Upper

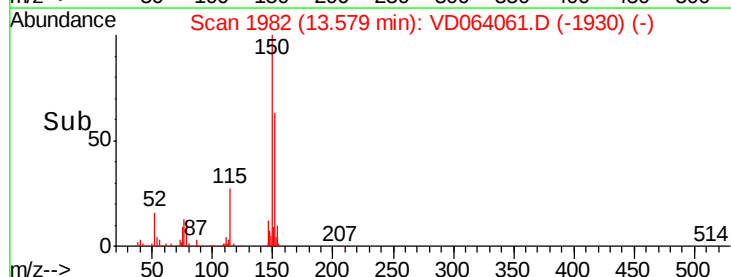
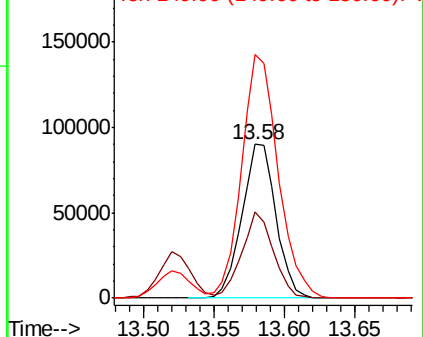
152 100

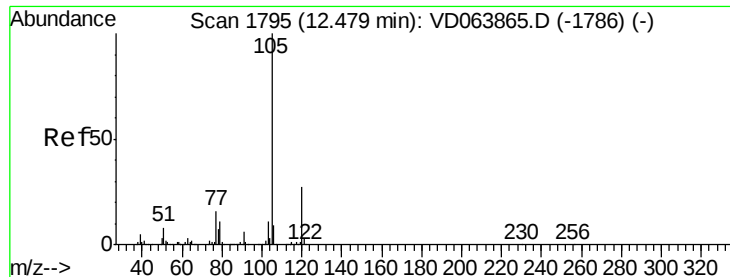
115 51.7 25.9 77.7

150 170.5 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: 49.577 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

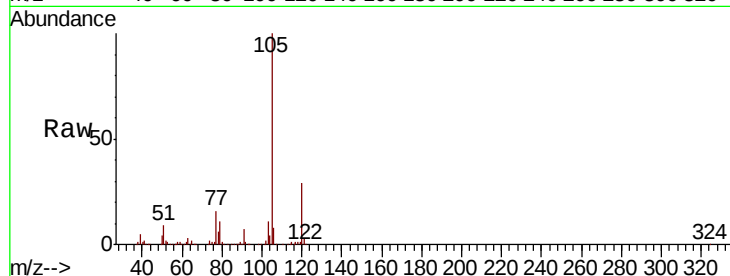
ClientSampleId :

Tot Ion:105 Resp: 505682

Ion Ratio Lower Upper

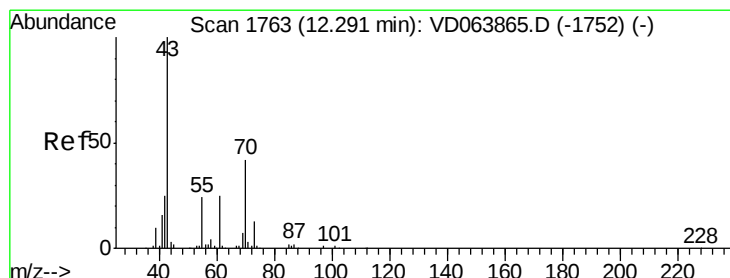
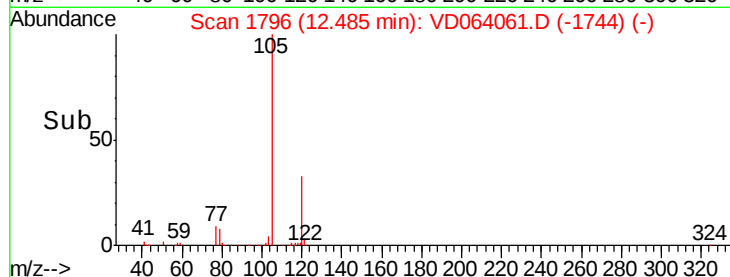
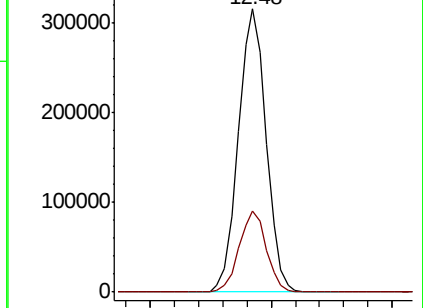
105 100

120 28.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 40.960 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Tgt Ion: 43 Resp: 89950

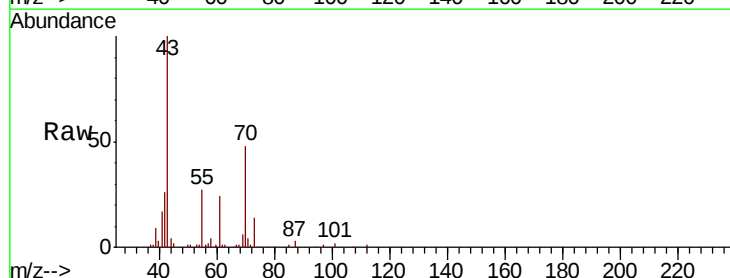
Ion Ratio Lower Upper

43 100

70 46.7 35.8 53.6

55 26.6 19.4 29.0

61 24.8 20.4 30.6

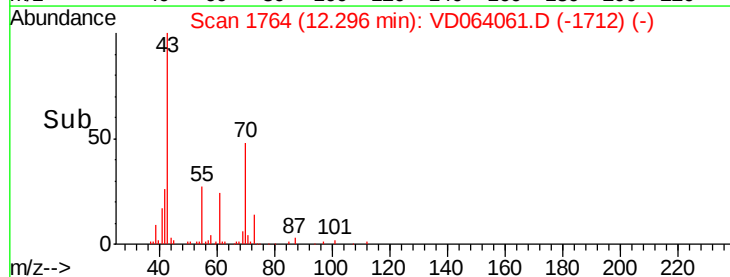
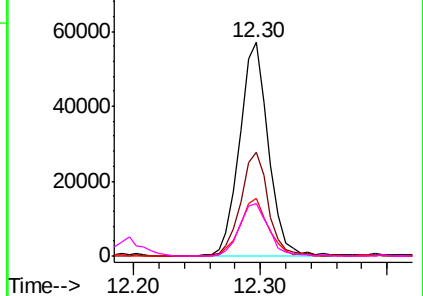


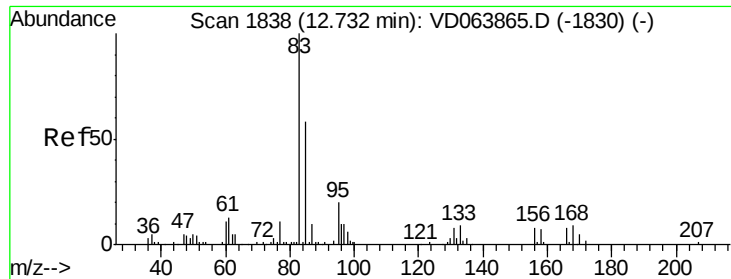
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 46.038 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

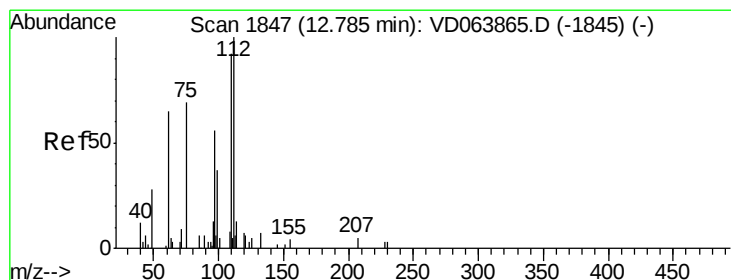
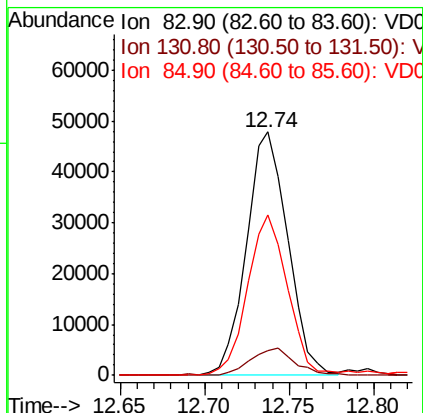
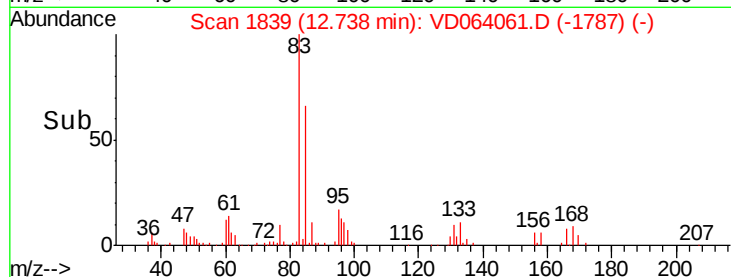
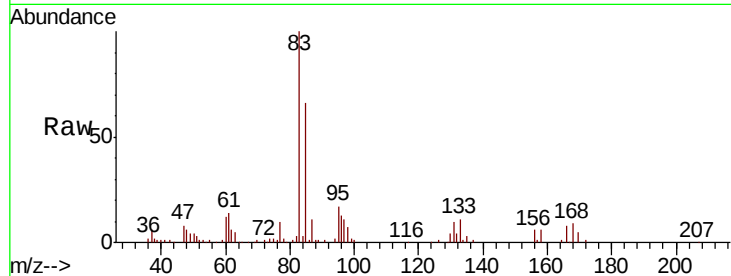
Tot Ion: 83 Resp: 81713

Ion Ratio Lower Upper

83 100

131 11.7 5.6 16.8

85 63.5 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 99.752 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064061.D

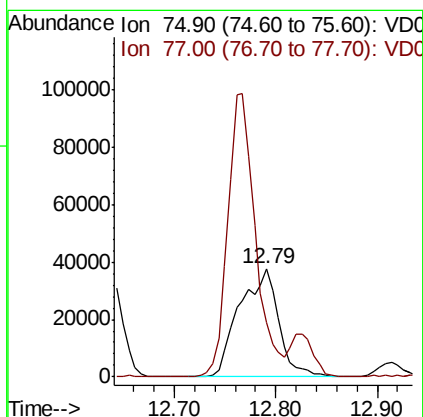
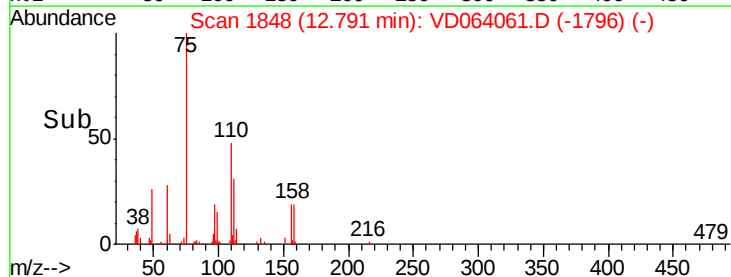
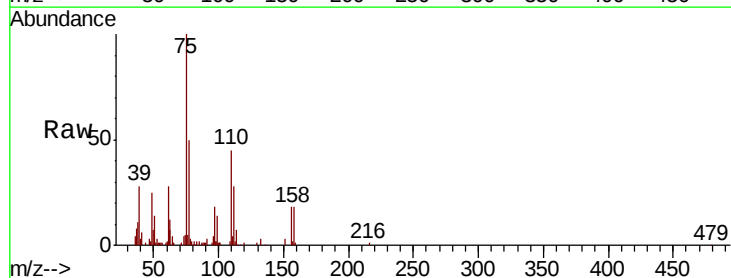
Acq: 25 Oct 2019 13:01

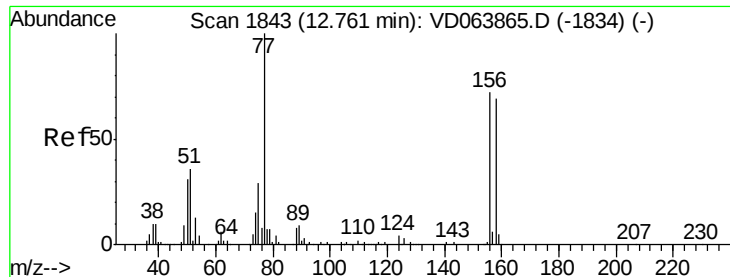
Tgt Ion: 75 Resp: 101371

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.862 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

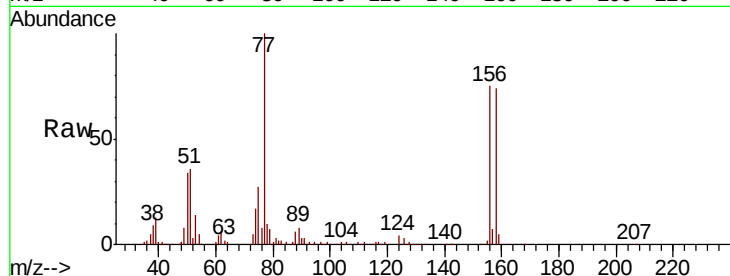
Tot Ion:156 Resp: 124169

Ion Ratio Lower Upper

156 100

77 150.3 80.3 241.0

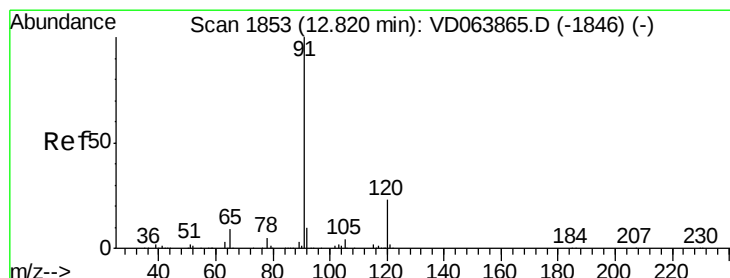
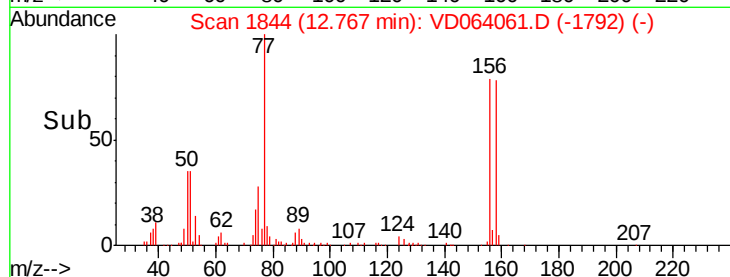
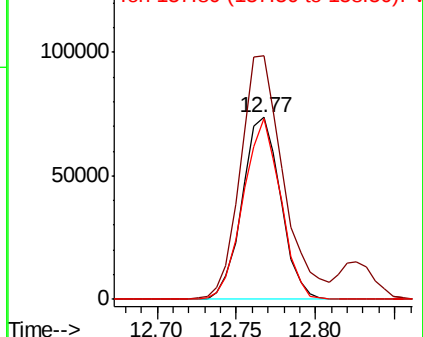
158 96.7 47.4 142.2



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: 50.552 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD064061.D

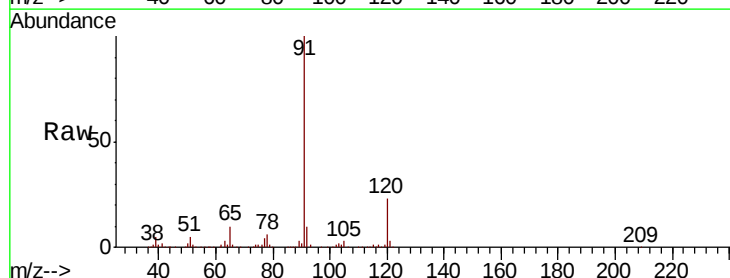
Acq: 25 Oct 2019 13:01

Tgt Ion: 91 Resp: 605241

Ion Ratio Lower Upper

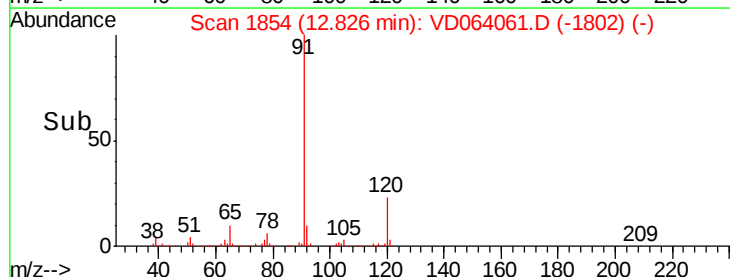
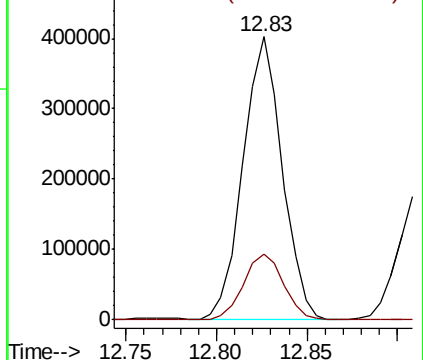
91 100

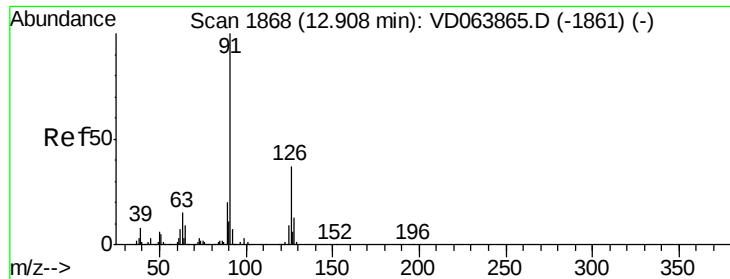
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

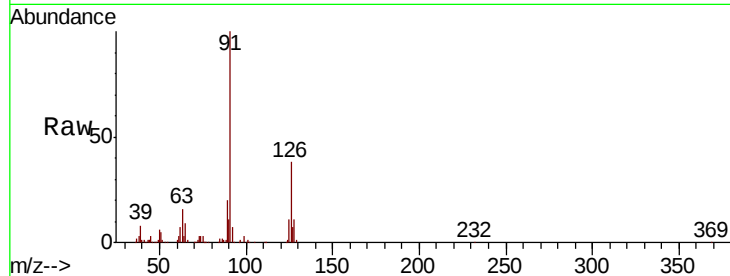




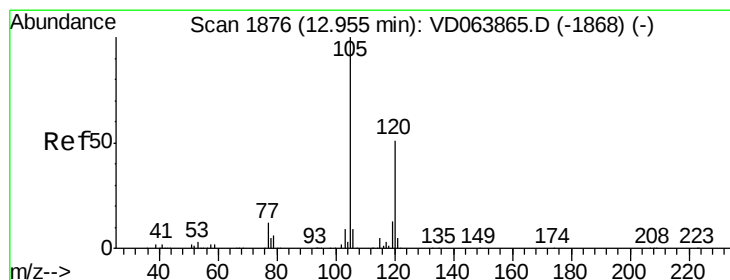
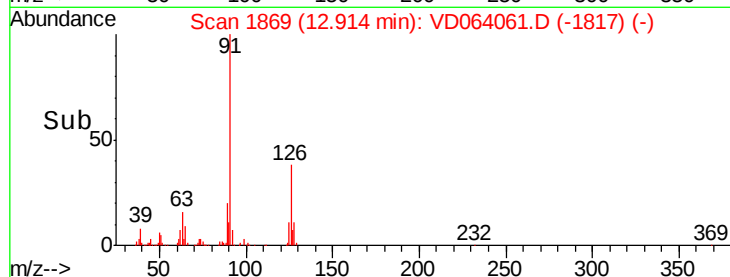
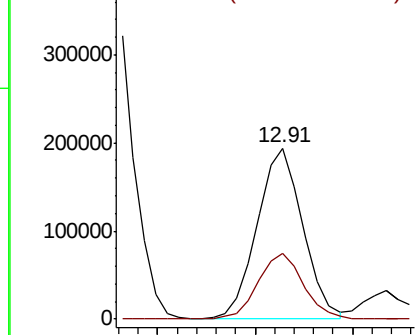
#79
 2-Chlorotoluene
 Concen: 47.564 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 314001
 Ion Ratio Lower Upper
 91 100
 126 38.2 18.4 55.2

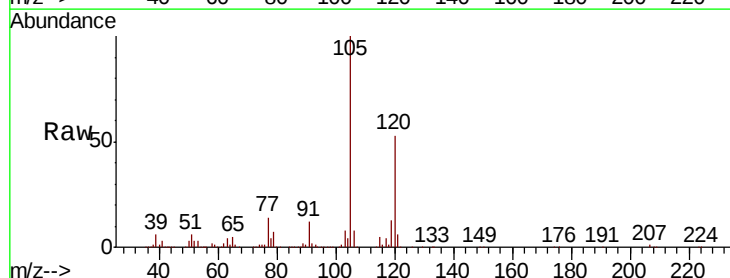


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.90 (125.60 to 126.60): V

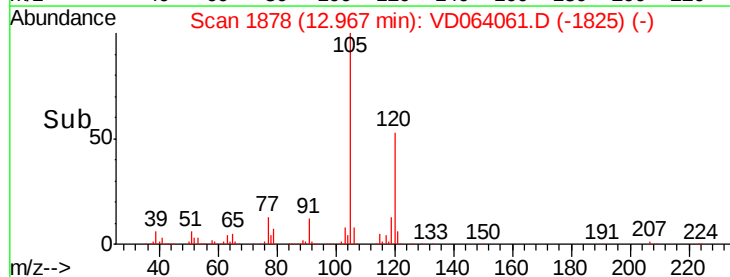
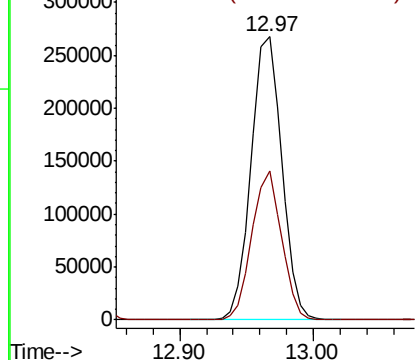


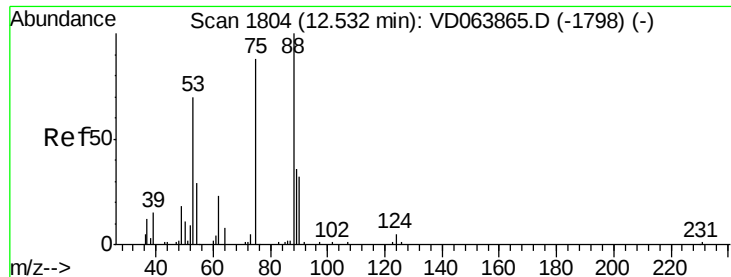
#80
 1,3,5-Trimethylbenzene
 Concen: 50.069 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Tgt Ion: 105 Resp: 426067
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.9 77.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 43.735 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampled :

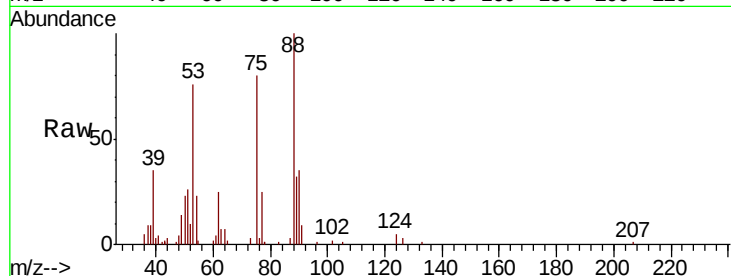
Tot Ion: 75 Resp: 25116

Ion Ratio Lower Upper

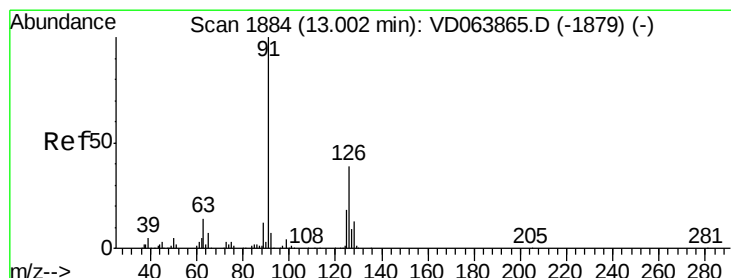
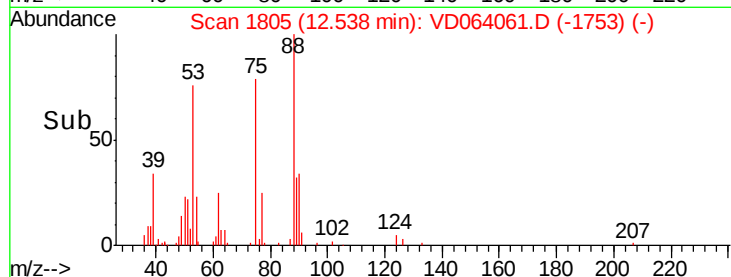
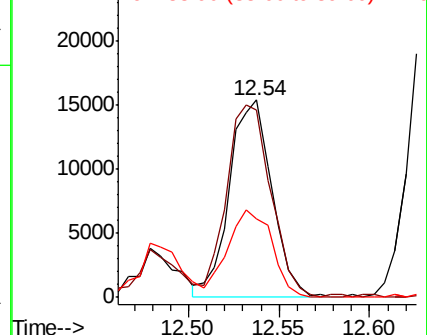
75 100

53 101.0 75.0 112.6

89 46.1 38.2 57.4



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



#82

4-Chlorotoluene

Concen: 47.578 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD064061.D

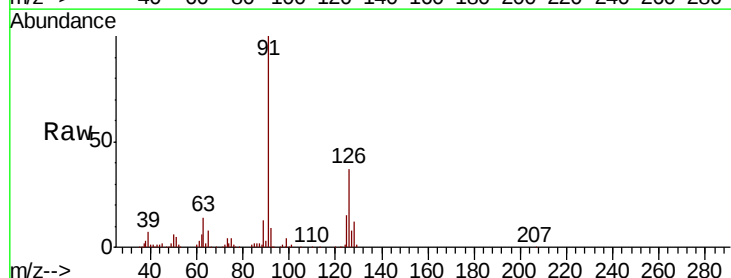
Acq: 25 Oct 2019 13:01

Tgt Ion: 91 Resp: 333196

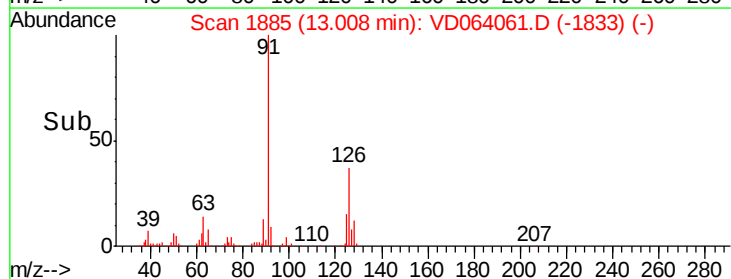
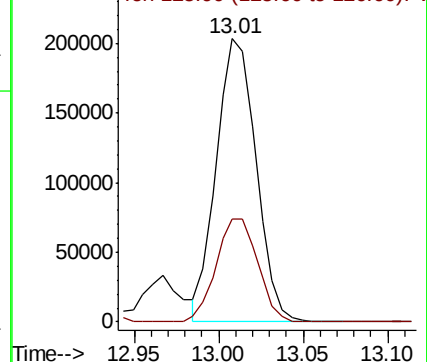
Ion Ratio Lower Upper

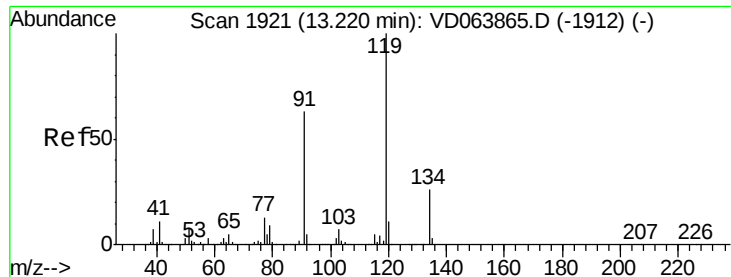
91 100

126 38.2 18.6 55.8



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

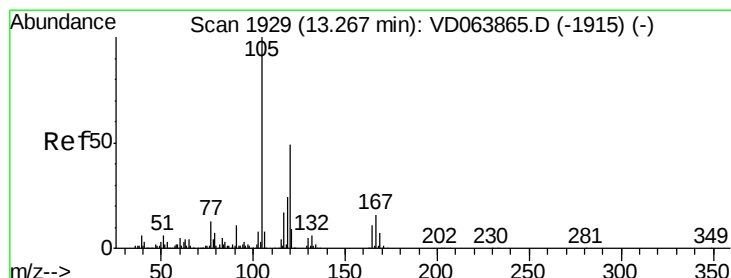
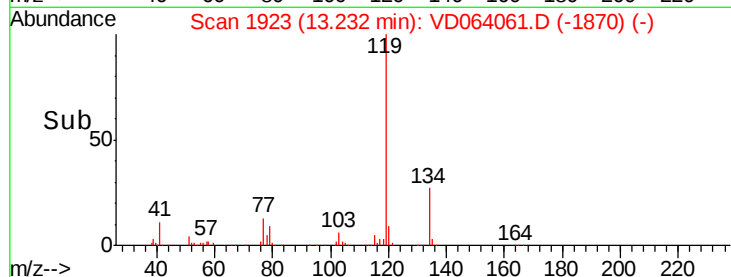
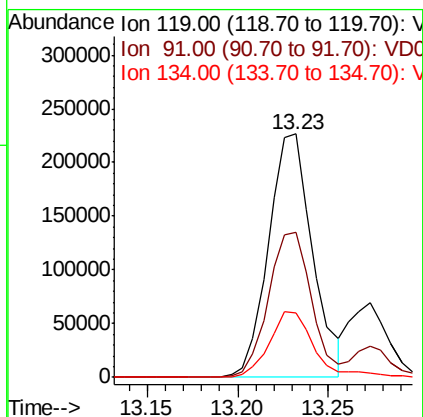
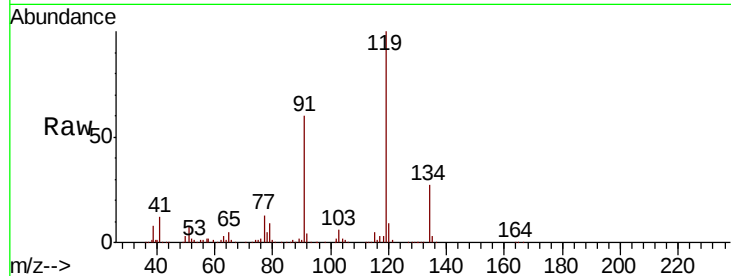




#83
tert-Butylbenzene
Concen: 50.715 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

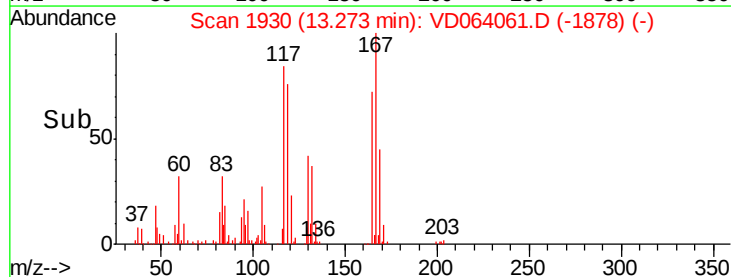
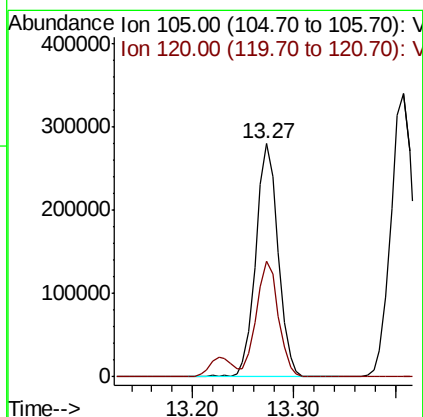
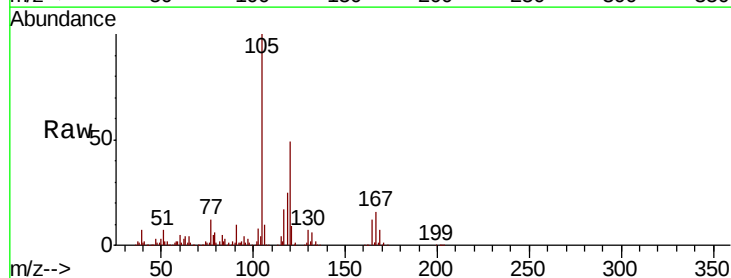
Instrument :
MSVOA_D
ClientSampleId :

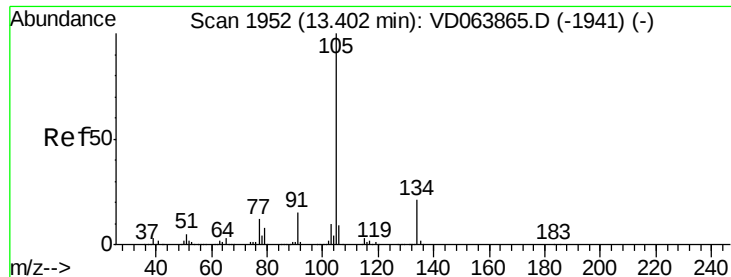
Tot Ion:119 Resp: 384078
Ion Ratio Lower Upper
119 100
91 58.4 30.0 90.0
134 27.8 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 48.856 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion:105 Resp: 428602
Ion Ratio Lower Upper
105 100
120 49.2 23.8 71.5





#85

sec-Butylbenzene

Concen: 51.998 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

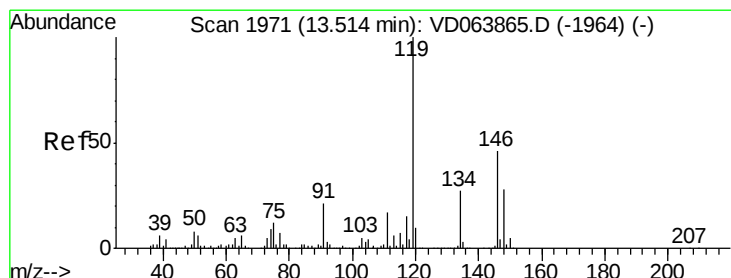
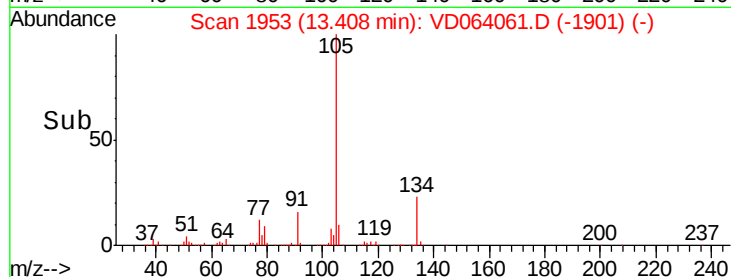
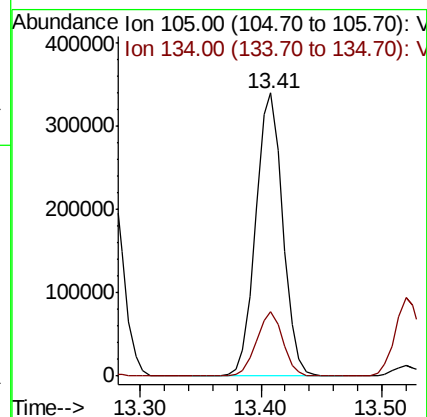
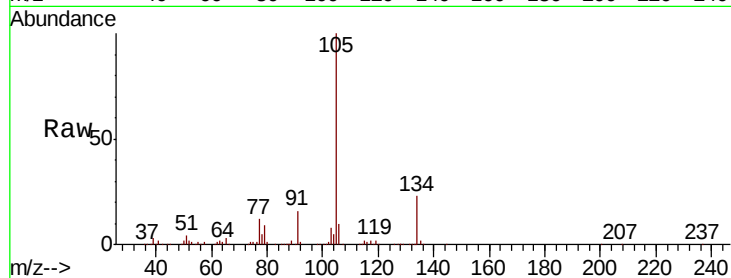
ClientSampleId :

Tot Ion:105 Resp: 531813

Ion Ratio Lower Upper

105 100

134 22.2 10.6 31.8



#86

p-Isopropyltoluene

Concen: 52.428 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

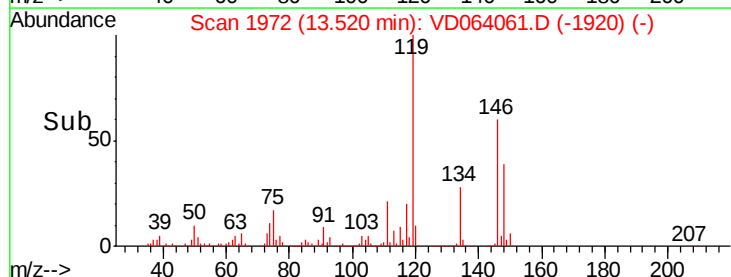
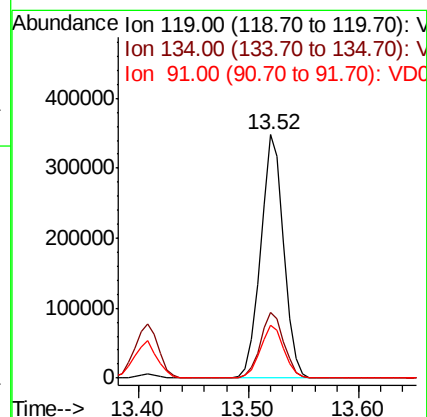
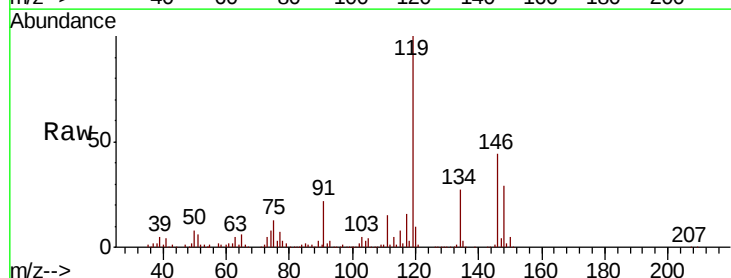
Tgt Ion:119 Resp: 507399

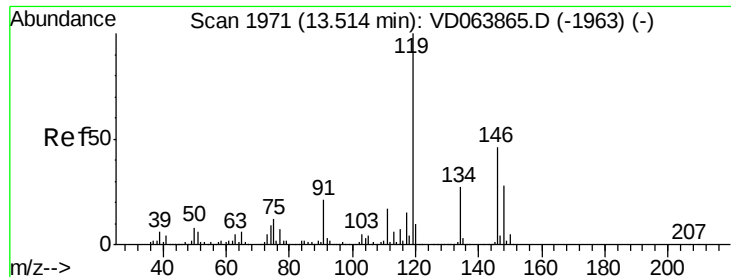
Ion Ratio Lower Upper

119 100

134 27.7 13.9 41.6

91 22.3 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 50.717 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

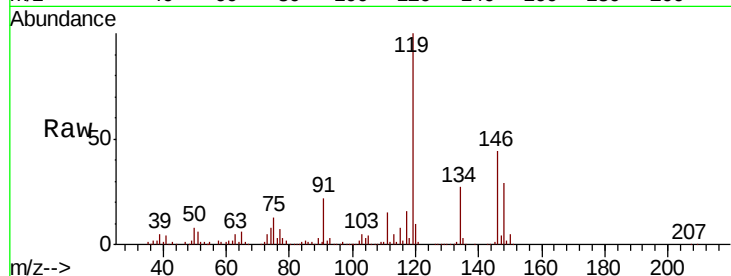
Tot Ion:146 Resp: 254663

Ion Ratio Lower Upper

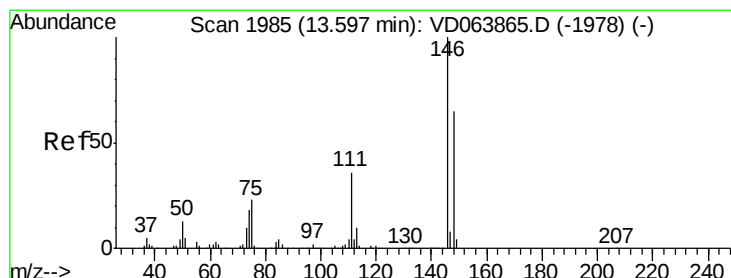
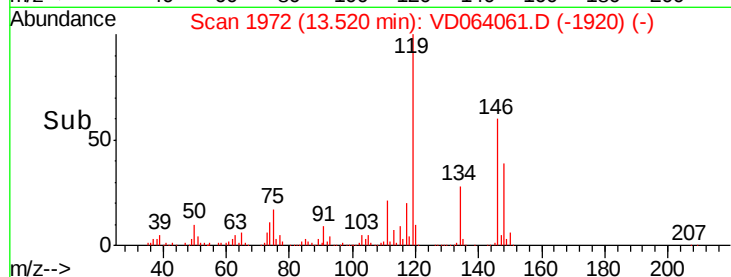
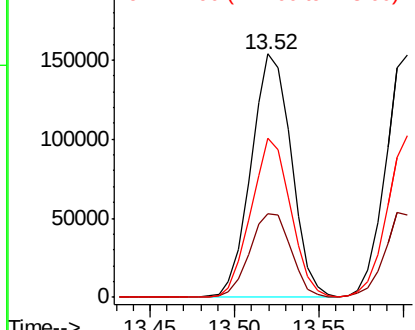
146 100

111 35.1 18.3 54.9

148 64.4 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: 50.472 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

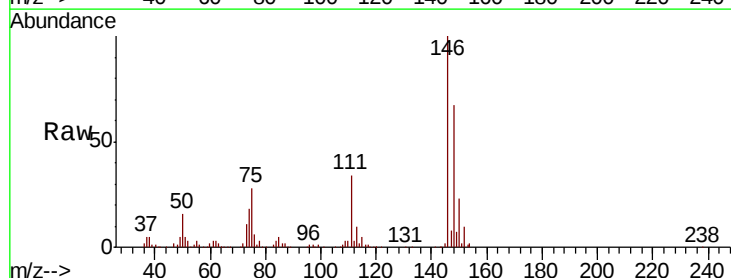
Tgt Ion:146 Resp: 250019

Ion Ratio Lower Upper

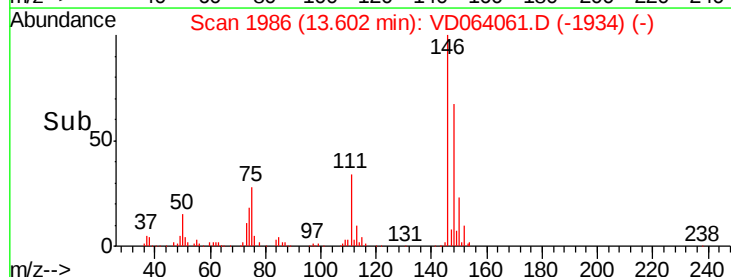
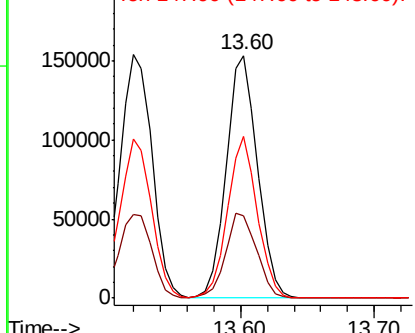
146 100

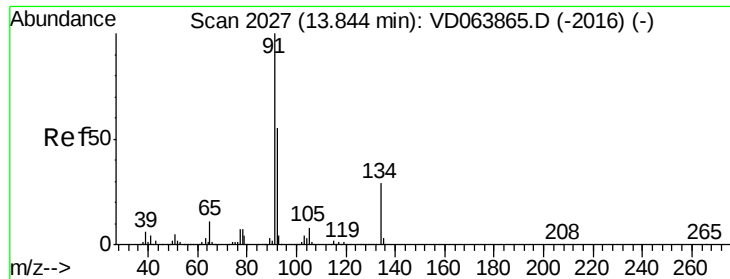
111 34.9 18.6 56.0

148 63.5 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

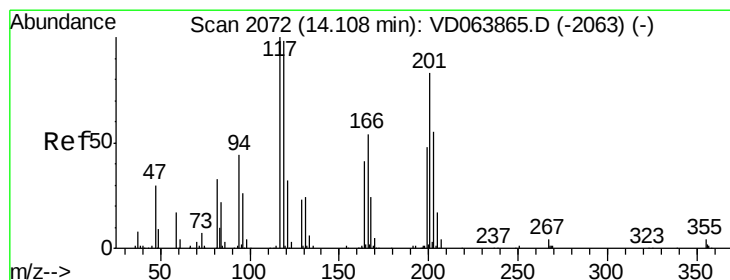
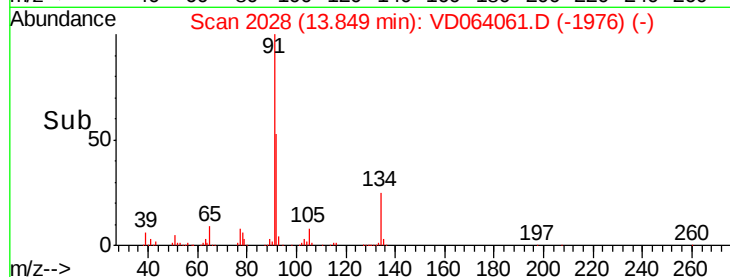
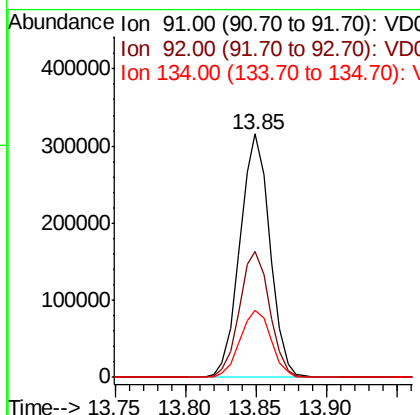
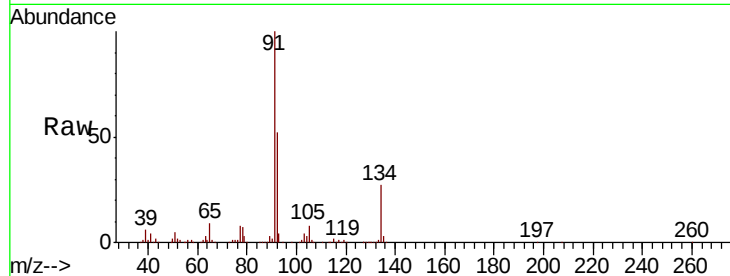




#89
n-Butylbenzene
Concen: 51.993 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

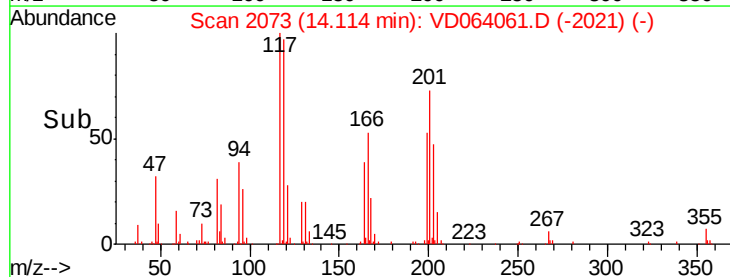
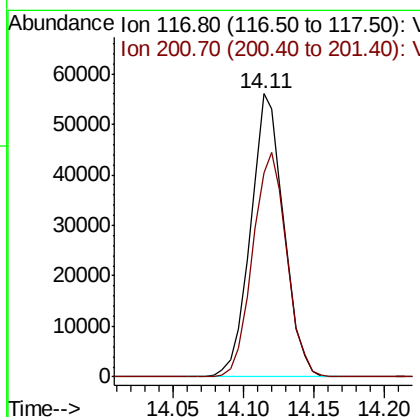
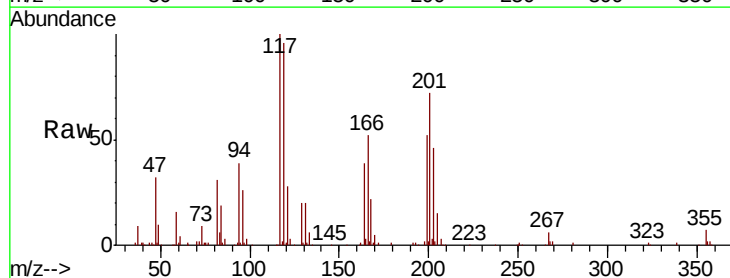
Instrument :
MSVOA_D
ClientSampleId :

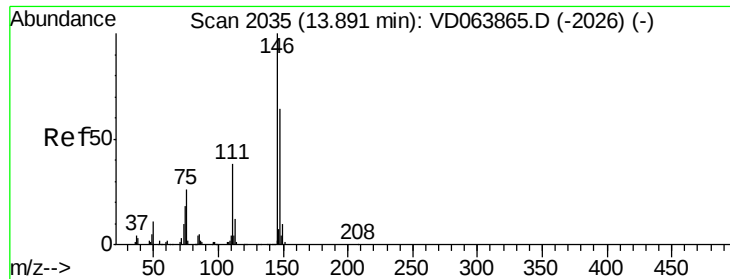
Tot Ion	91	Resp	468381
Ion Ratio	Lower	Upper	
91	100		
92	52.2	26.8	80.3
134	28.4	14.4	43.0



#90
Hexachloroethane
Concen: 53.111 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD064061.D
Acq: 25 Oct 2019 13:01

Tgt Ion	117	Resp	92446
Ion Ratio	Lower	Upper	
117	100		
201	81.2	40.6	121.7





#91

1,2-Dichlorobenzene

Concen: 49.951 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

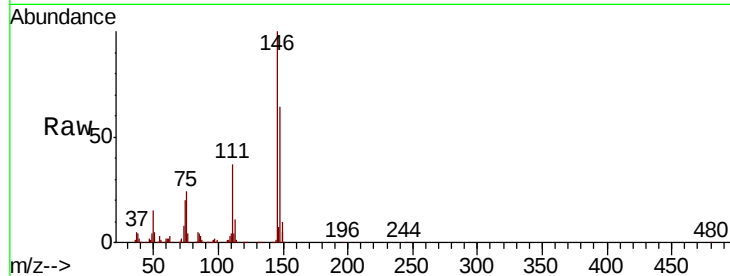
Tot Ion:146 Resp: 216148

Ion Ratio Lower Upper

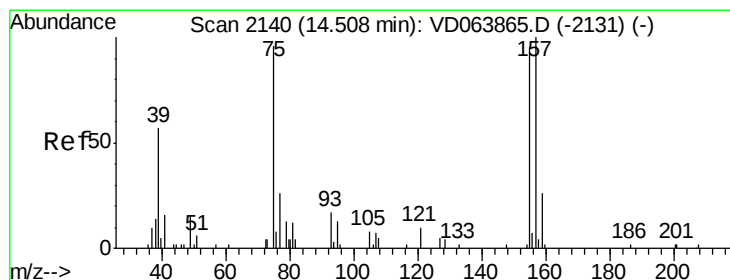
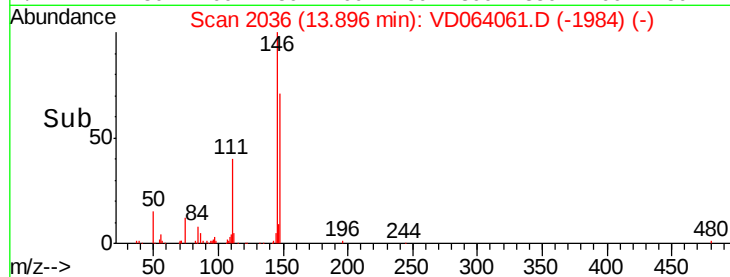
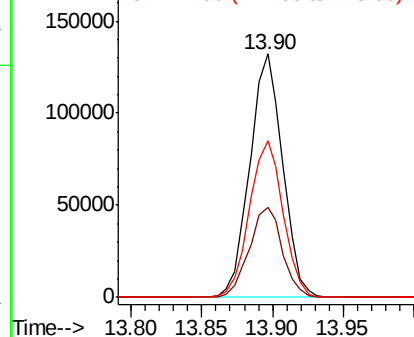
146 100

111 37.1 18.6 55.6

148 65.5 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: 44.414 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

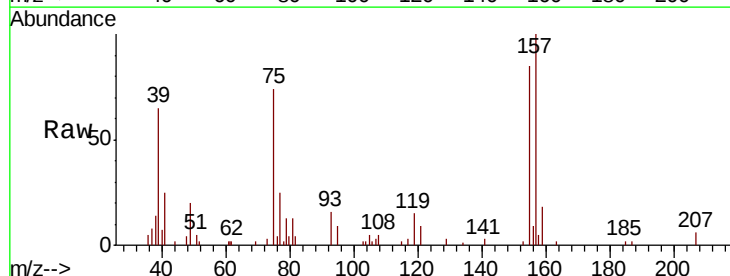
Tgt Ion: 75 Resp: 12324

Ion Ratio Lower Upper

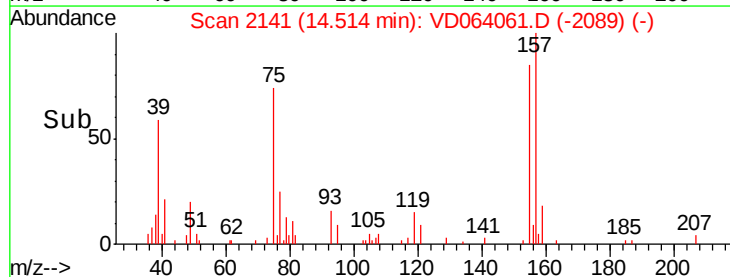
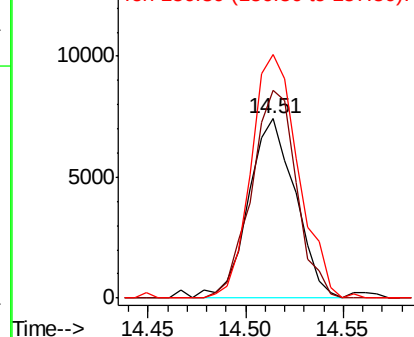
75 100

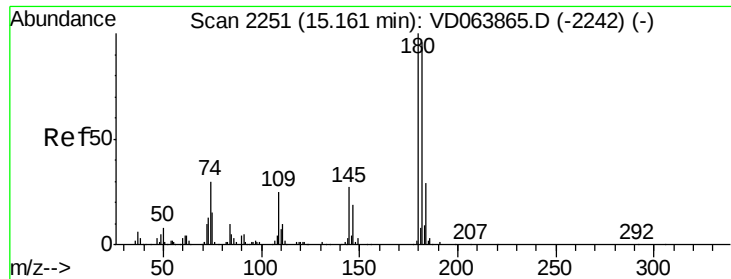
155 111.6 43.9 131.6

157 136.9 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

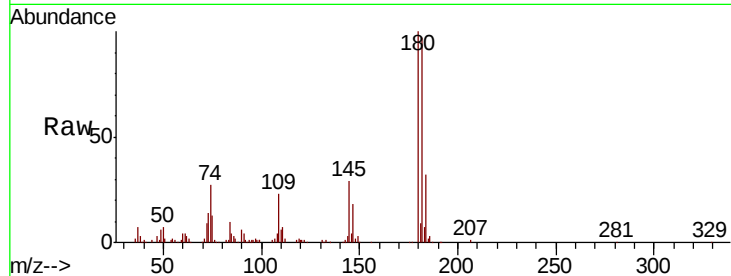




#93
 1,2,4-Trichlorobenzene
 Concen: 49.794 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.4	142.3
145	27.3	13.9	41.7

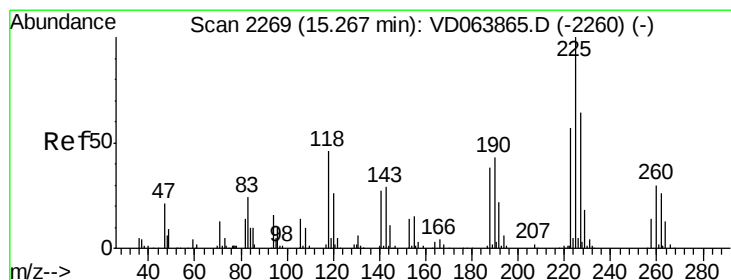
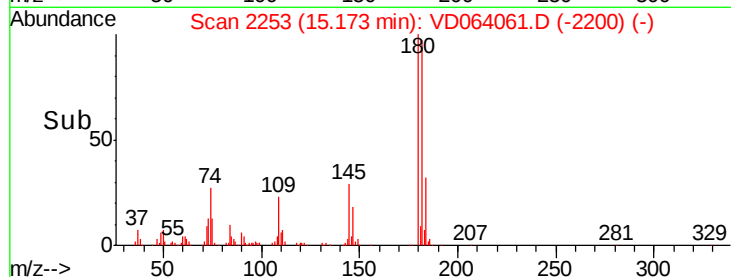
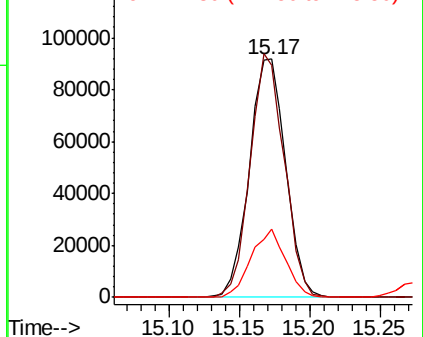


Abundance

Ion 179.80 (179.50 to 180.50): V

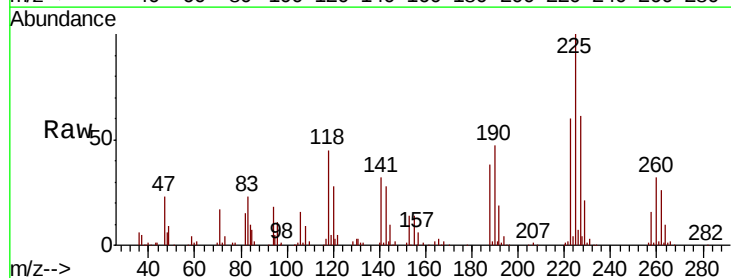
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.007 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064061.D
 Acq: 25 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	29.5	88.6
227	65.1	30.8	92.4

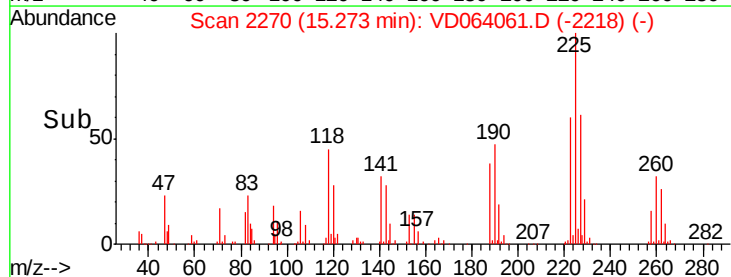
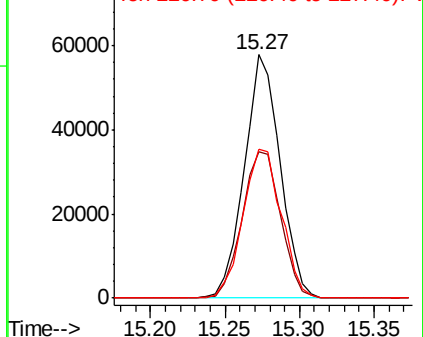


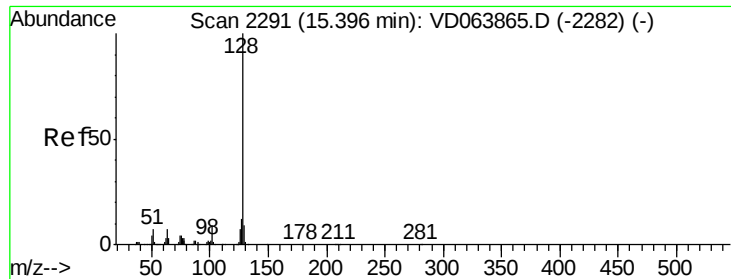
Abundance

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: 49.195 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

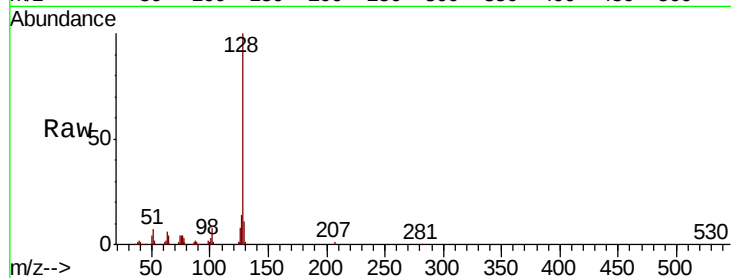
Tot Ion:128 Resp: 276074

Ion Ratio Lower Upper

128 100

127 13.7 10.6 16.0

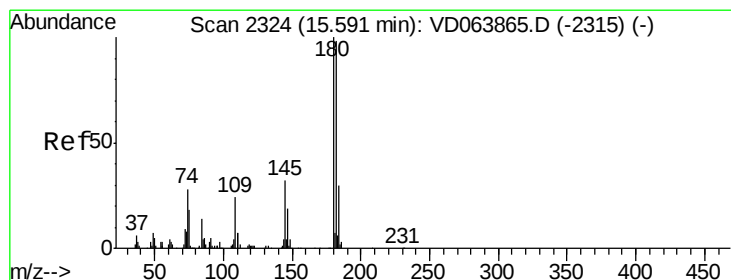
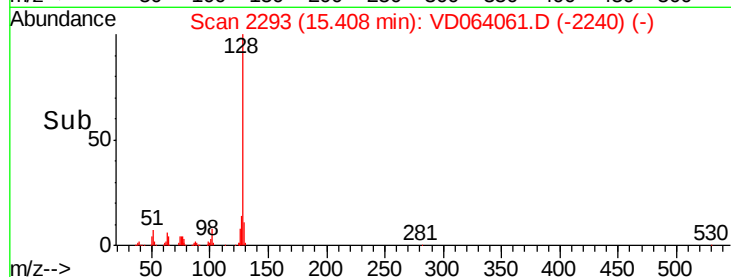
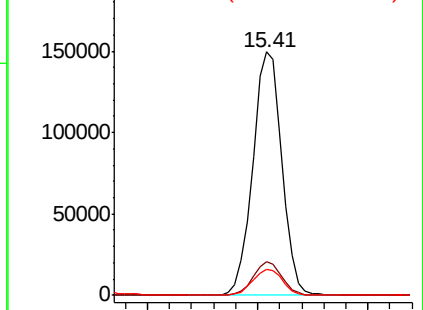
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.510 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD064061.D

Acq: 25 Oct 2019 13:01

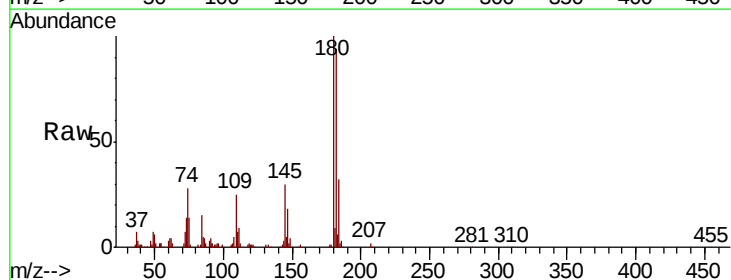
Tgt Ion:180 Resp: 139747

Ion Ratio Lower Upper

180 100

182 94.7 47.0 141.0

145 30.9 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

