

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064020.D
 Acq On : 23 Oct 2019 14:53
 Operator : VA/SY
 Sample : VD1023SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 24 05:57:33 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	166591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	261566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	257680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141751	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	84954	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
35) Dibromofluoromethane	7.92	113	86515	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
50) Toluene-d8	10.34	98	359149	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	
62) 4-Bromofluorobenzene	12.64	95	120018	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	21554	18.244	ug/l	86
3) Chloromethane	2.21	50	72741	20.181	ug/l	97
4) Vinyl Chloride	2.35	62	85960	22.512	ug/l	99
5) Bromomethane	2.76	94	53321	21.721	ug/l	96
6) Chloroethane	2.92	64	56808	22.496	ug/l	98
7) Trichlorofluoromethane	3.27	101	123841	24.530	ug/l	98
8) Diethyl Ether	3.71	74	18017	22.235	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	31710	22.691	ug/l	92
10) Methyl Iodide	4.29	142	35420	18.394	ug/l	99
11) Tert butyl alcohol	5.24	59	11070	93.217	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	29317	20.998	ug/l	81
13) Acrolein	3.93	56	12341	85.194	ug/l	97
14) Allyl chloride	4.70	41	48179	20.756	ug/l	95
15) Acrylonitrile	5.43	53	39487	110.529	ug/l	95
16) Acetone	4.16	43	41744	98.857	ug/l	96
17) Carbon Disulfide	4.40	76	91642	18.057	ug/l #	95
18) Methyl Acetate	4.73	43	21039	25.474	ug/l #	79
19) Methyl tert-butyl Ether	5.48	73	71255	19.709	ug/l	100
20) Methylene Chloride	4.97	84	43474	21.486	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	36485	20.992	ug/l	98
22) Diisopropyl ether	6.37	45	102867	21.699	ug/l	95
23) Vinyl Acetate	6.31	43	299167	106.081	ug/l	99
24) 1,1-Dichloroethane	6.27	63	62577	21.430	ug/l	95
25) 2-Butanone	7.23	43	53666	107.240	ug/l	94
26) 2,2-Dichloropropane	7.21	77	55497	21.010	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	40963	20.822	ug/l	98
28) Bromochloromethane	7.54	49	19629	18.886	ug/l #	10
29) Tetrahydrofuran	7.57	42	31937	109.339	ug/l	95
30) Chloroform	7.71	83	67815	21.382	ug/l	97
31) Cyclohexane	7.98	56	58294	21.903	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	58093	21.353	ug/l	99
36) 1,1-Dichloropropene	8.11	75	53157	22.227	ug/l	99
37) Ethyl Acetate	7.30	43	17586	15.594	ug/l #	78
38) Carbon Tetrachloride	8.10	117	53253	22.035	ug/l #	95

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 24 05:57:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	66057	22.464	ug/l	87
40) Benzene	8.36	78	152294	22.221	ug/l	97
41) Methacrylonitrile	7.54	41	12464	22.479	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	43600	21.993	ug/l	99
43) Isopropyl Acetate	8.46	43	39537	19.713	ug/l	97
44) Trichloroethene	9.11	130	41964	21.234	ug/l	94
45) 1,2-Dichloropropane	9.39	63	36815	21.946	ug/l	99
46) Dibromomethane	9.48	93	20646	21.611	ug/l	97
47) Bromodichloromethane	9.67	83	52496	21.343	ug/l	99
48) Methyl methacrylate	9.46	41	19672	20.471	ug/l	90
49) 1,4-Dioxane	9.47	88	6077	466.008	ug/l	92
51) 4-Methyl-2-Pentanone	10.24	43	113768	109.374	ug/l	97
52) Toluene	10.40	92	99926	21.239	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	48042	20.016	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	58997	21.353	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	29117	21.585	ug/l	94
56) Ethyl methacrylate	10.66	69	35124	20.562	ug/l	97
57) 1,3-Dichloropropane	10.95	76	51873	22.476	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	74710	101.749	ug/l	98
59) 2-Hexanone	10.99	43	82489	109.630	ug/l	98
60) Dibromochloromethane	11.14	129	38282	21.799	ug/l	94
61) 1,2-Dibromoethane	11.25	107	29219	22.343	ug/l	99
64) Tetrachloroethene	10.88	164	38481	21.875	ug/l	93
65) Chlorobenzene	11.67	112	113618	21.955	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	41542	21.786	ug/l	99
67) Ethyl Benzene	11.75	91	203404	21.798	ug/l	99
68) m/p-Xylenes	11.85	106	159034	44.155	ug/l	100
69) o-Xylene	12.18	106	74313	21.548	ug/l	97
70) Styrene	12.20	104	125613	21.515	ug/l	99
71) Bromoform	12.36	173	21572	21.080	ug/l #	96
73) Isopropylbenzene	12.48	105	206575	21.678	ug/l	96
74) N-amyl acetate	12.29	43	40758	19.866	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	36378	21.938	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	45215	47.624	ug/l #	100
77) Bromobenzene	12.76	156	51748	21.797	ug/l	96
78) n-propylbenzene	12.82	91	243311	21.753	ug/l	99
79) 2-Chlorotoluene	12.91	91	133832	21.699	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	166637	20.961	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	9709	18.097	ug/l	86
82) 4-Chlorotoluene	13.01	91	137532	21.021	ug/l	99
83) tert-Butylbenzene	13.23	119	146429	20.696	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	171516	20.927	ug/l	99
85) sec-Butylbenzene	13.40	105	213394	22.333	ug/l	100
86) p-Isopropyltoluene	13.52	119	191316	21.160	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	97332	20.749	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	100392	21.693	ug/l	99
89) n-Butylbenzene	13.85	91	186993	22.218	ug/l	98
90) Hexachloroethane	14.11	117	35738	21.977	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	86339	21.357	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5094	18.209	ug/l	73

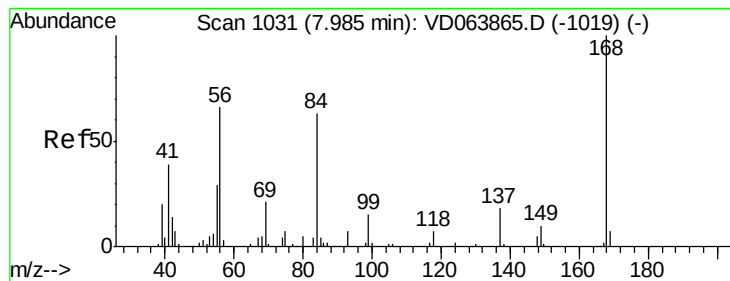
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102319\
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ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	63519	20.363	ug/l	97
94) Hexachlorobutadiene	15.27	225	35312	20.514	ug/l	97
95) Naphthalene	15.41	128	110064	20.993	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	55492	20.619	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

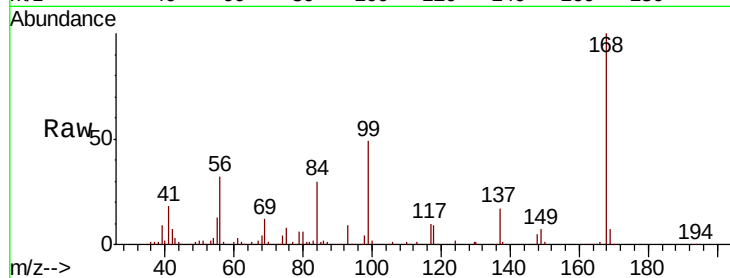
ClientSampled :

Tot Ion:168 Resp: 166591

Ion Ratio Lower Upper

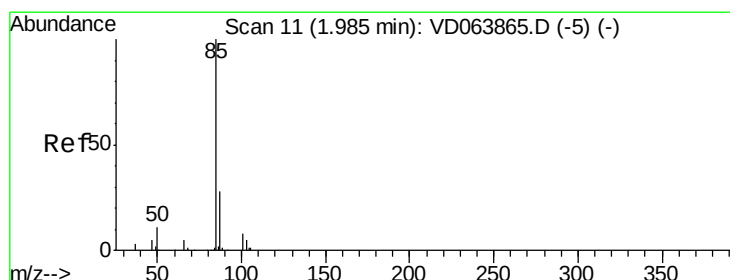
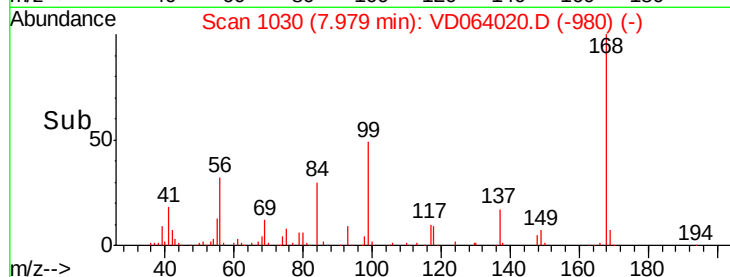
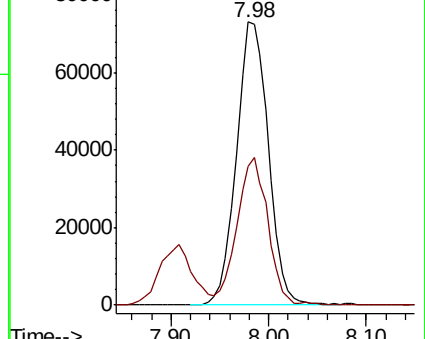
168 100

99 48.9 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: 18.244 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD064020.D

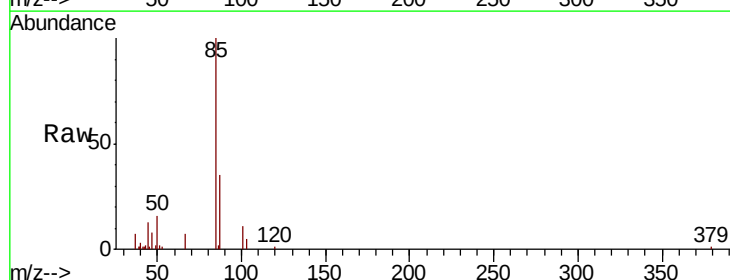
Acq: 23 Oct 2019 14:53

Tgt Ion: 85 Resp: 21554

Ion Ratio Lower Upper

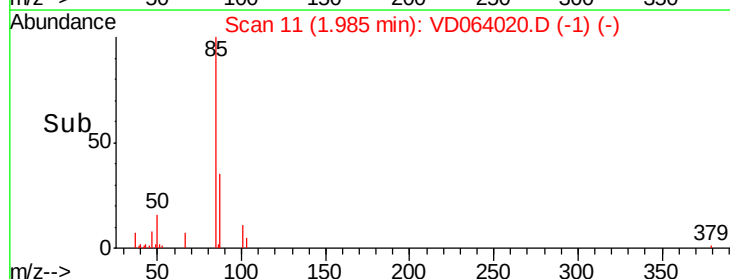
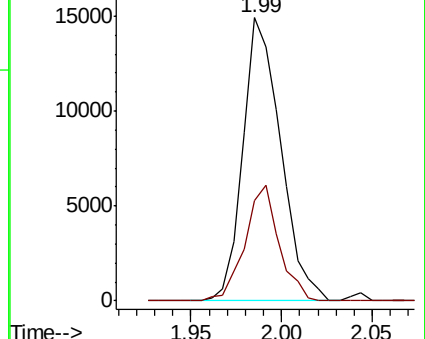
85 100

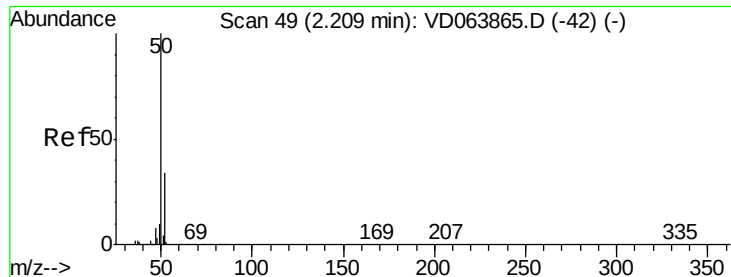
87 35.3 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.181 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

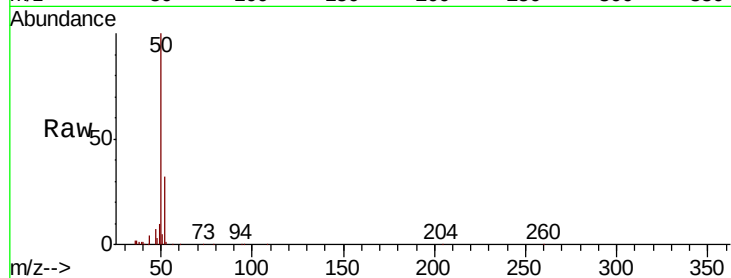
ClientSampleId :

Tot Ion: 50 Resp: 72741

Ion Ratio Lower Upper

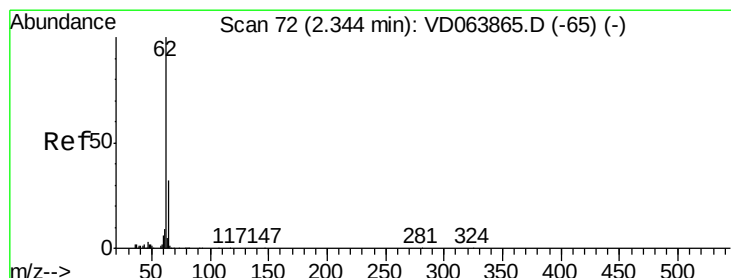
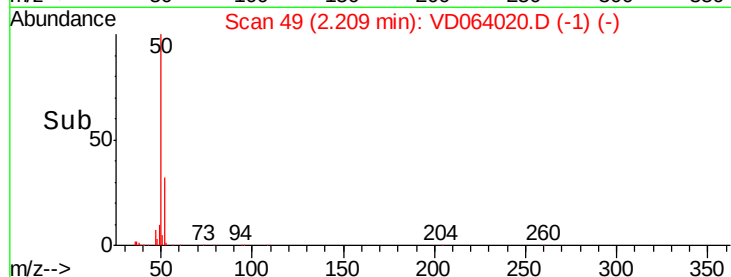
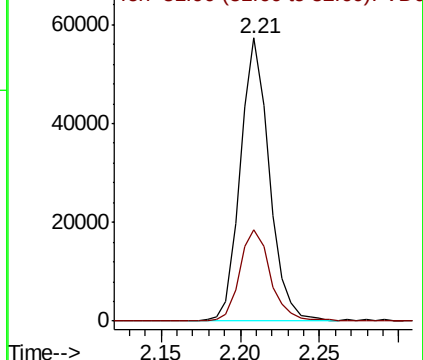
50 100

52 32.4 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.512 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD064020.D

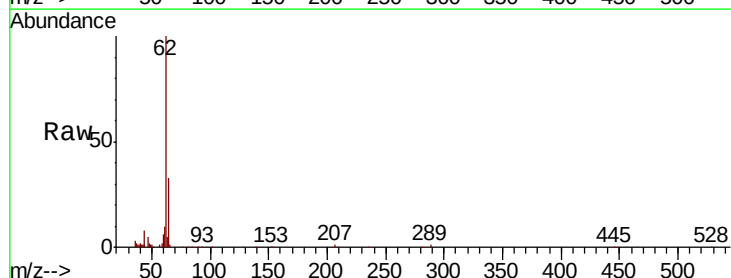
Acq: 23 Oct 2019 14:53

Tgt Ion: 62 Resp: 85960

Ion Ratio Lower Upper

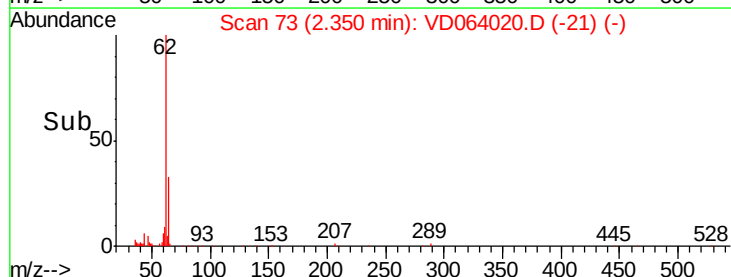
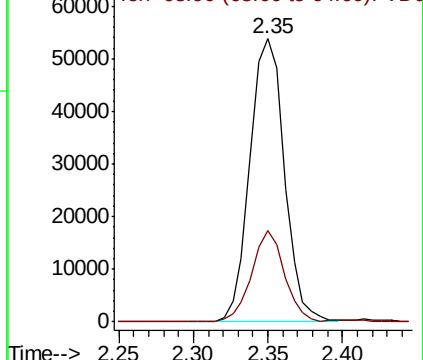
62 100

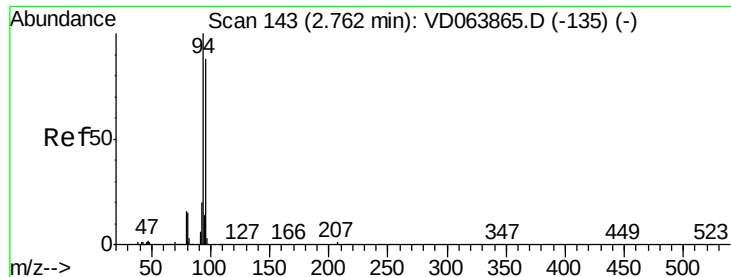
64 32.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.721 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

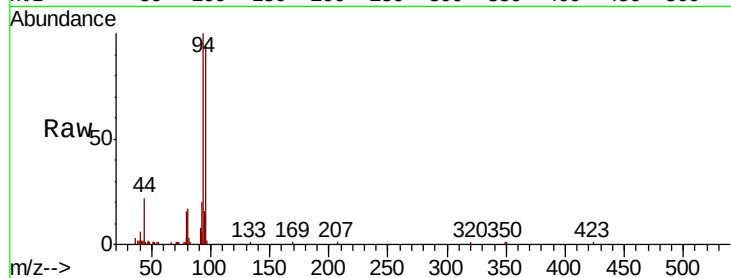
ClientSampled :

Tot Ion: 94 Resp: 53321

Ion Ratio Lower Upper

94 100

96 92.6 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

25000

20000

15000

10000

5000

0

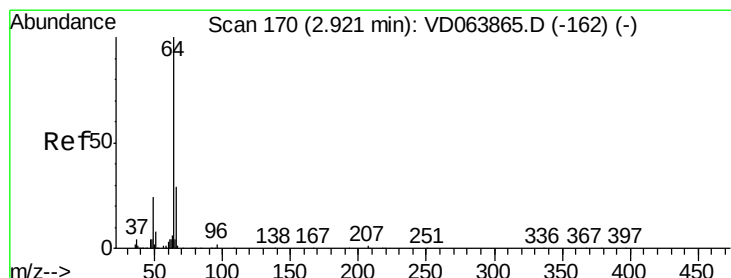
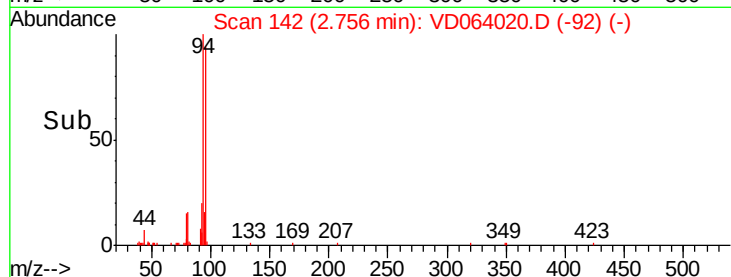
2.76

2.75

2.80

2.85

Time-->



#6

Chloroethane

Concen: 22.496 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064020.D

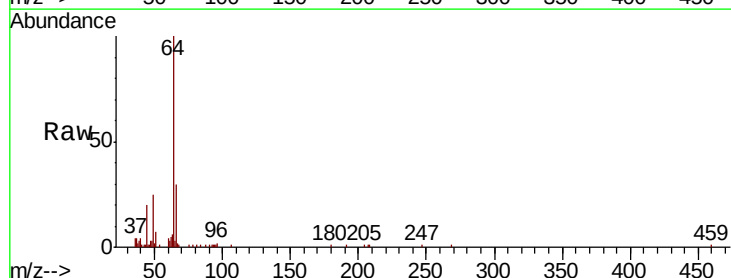
Acq: 23 Oct 2019 14:53

Tgt Ion: 64 Resp: 56808

Ion Ratio Lower Upper

64 100

66 29.9 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

30000

25000

20000

15000

10000

5000

0

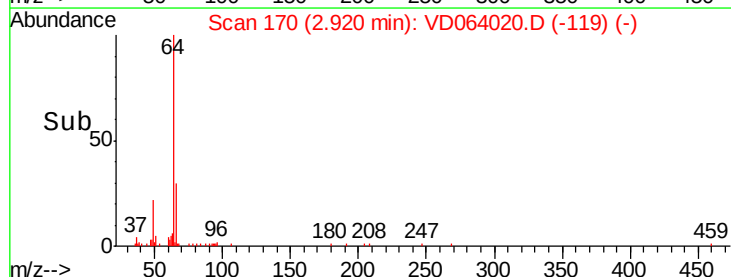
2.92

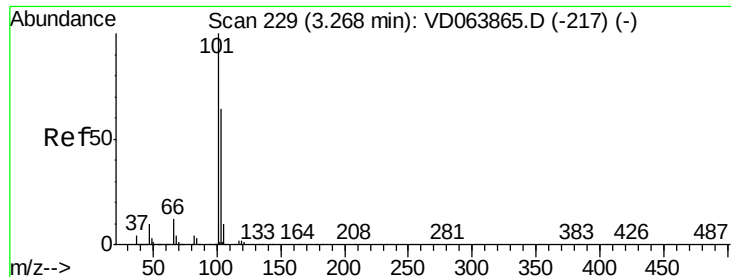
2.85

2.95

3.00

Time-->



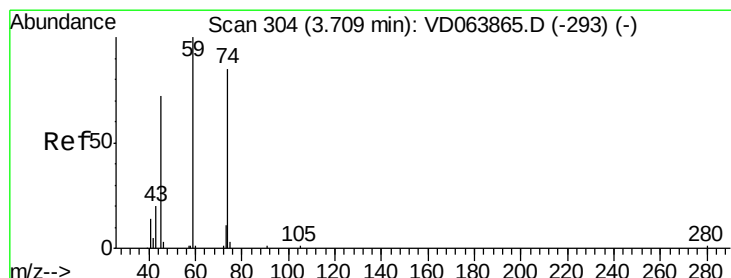
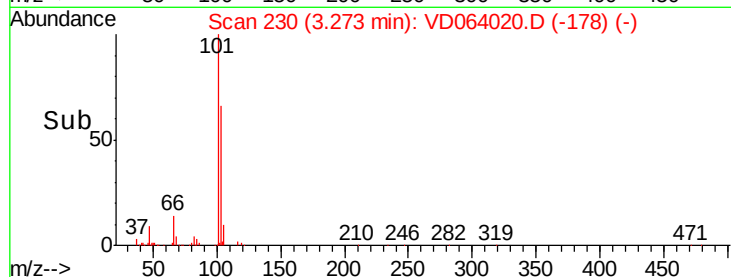
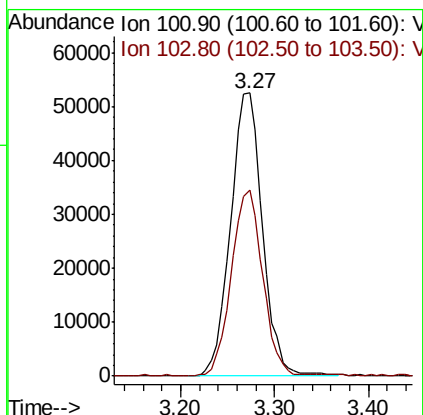
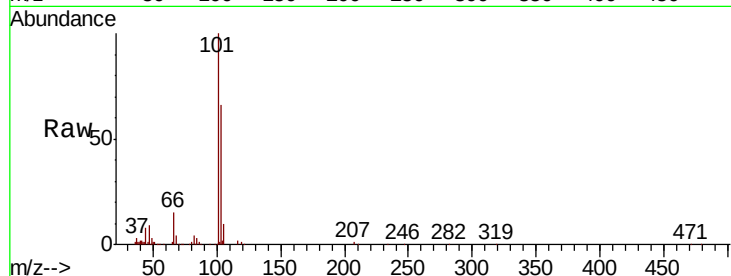


#7

Trichlorofluoromethane
 Concen: 24.530 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampled :

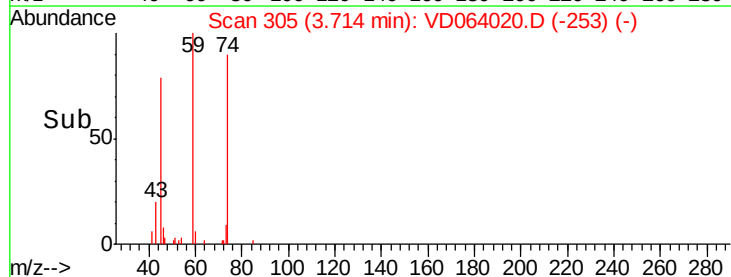
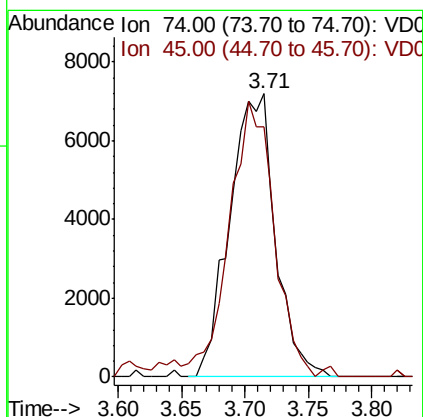
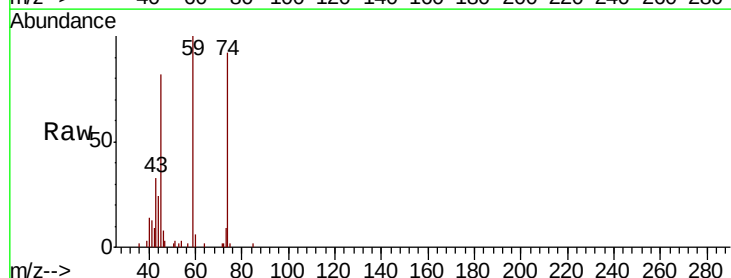
Tot Ion:101 Resp: 123841
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.1 76.7

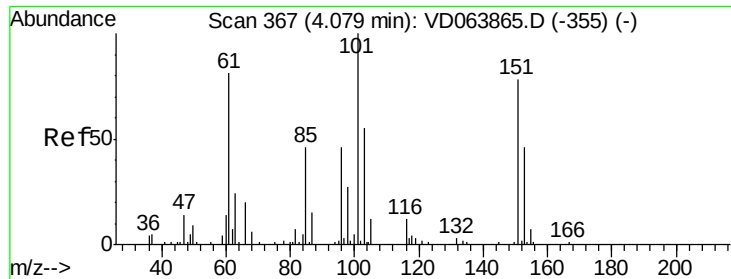


#8

Diethyl Ether
 Concen: 22.235 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion: 74 Resp: 18017
 Ion Ratio Lower Upper
 74 100
 45 95.2 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.691 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

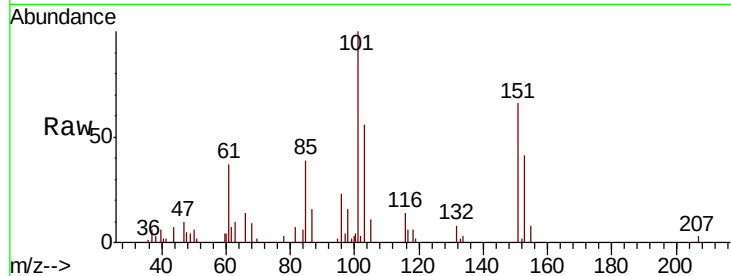
Tot Ion:101 Resp: 31710

Ion Ratio Lower Upper

101 100

85 43.5 37.5 56.3

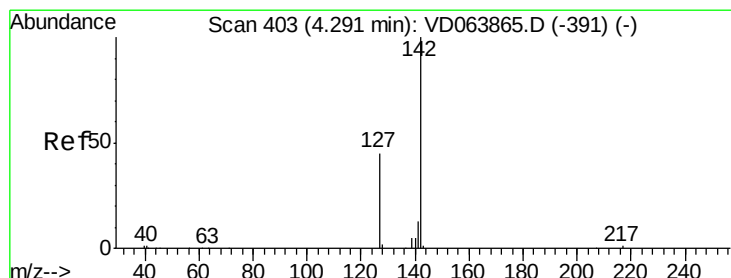
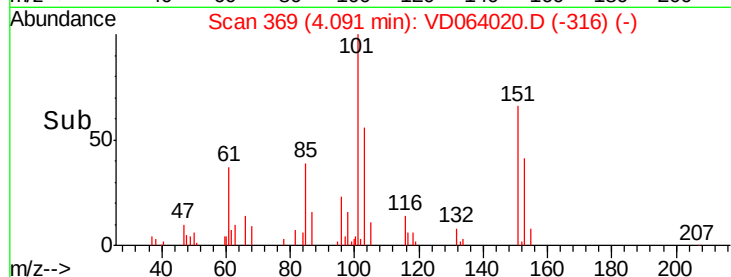
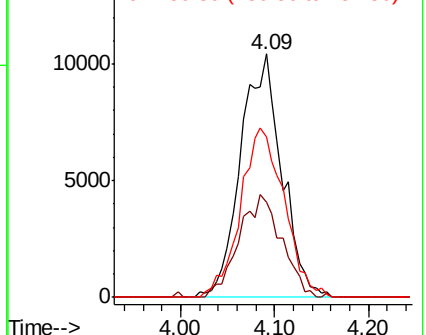
151 73.6 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.394 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

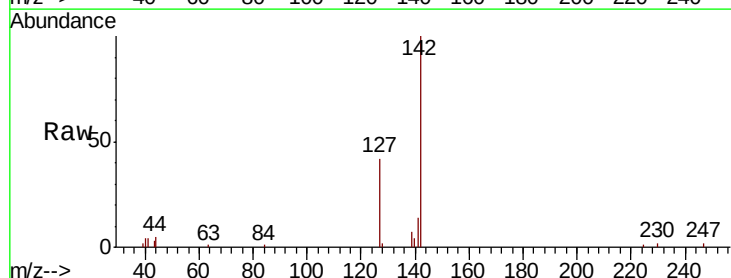
Tgt Ion:142 Resp: 35420

Ion Ratio Lower Upper

142 100

127 43.6 35.3 52.9

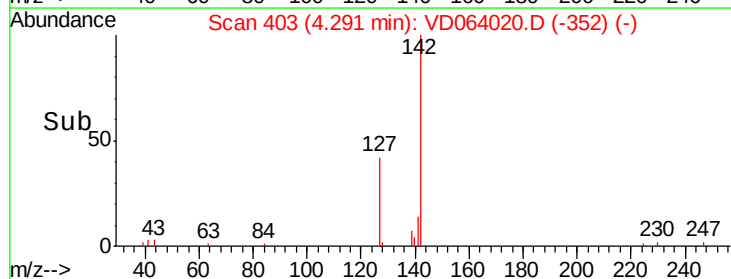
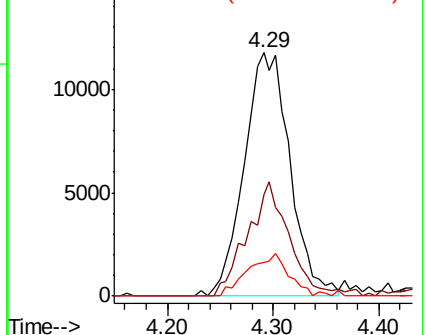
141 15.8 12.2 18.2

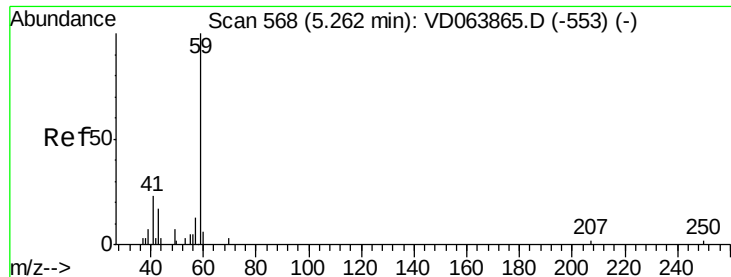


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



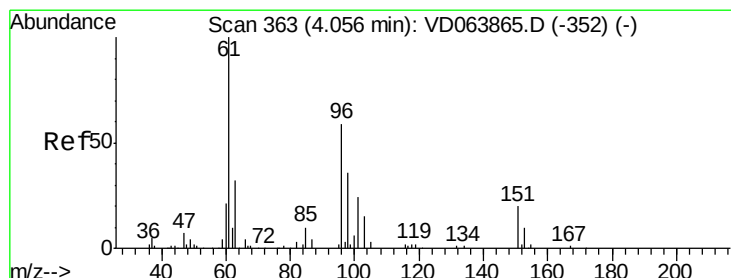
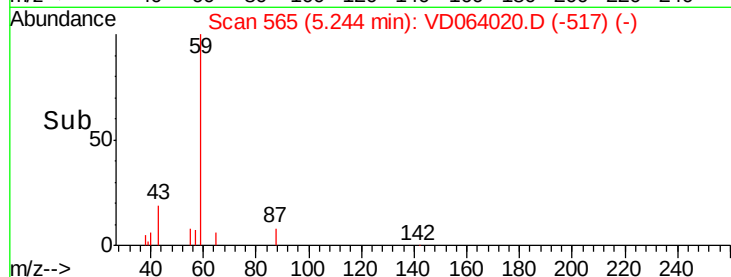
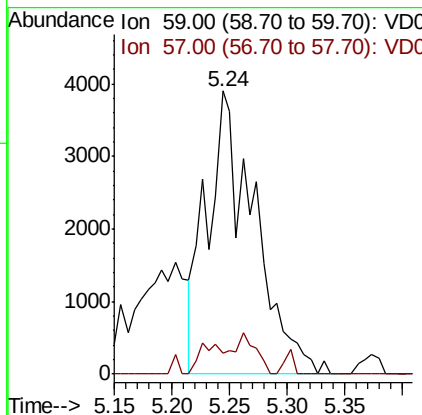
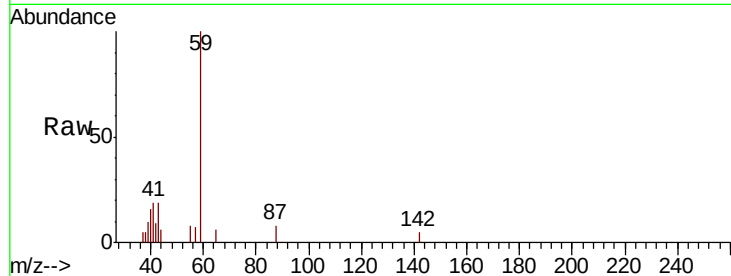


#11

Tert butyl alcohol
Concen: 93.217 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.02 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :

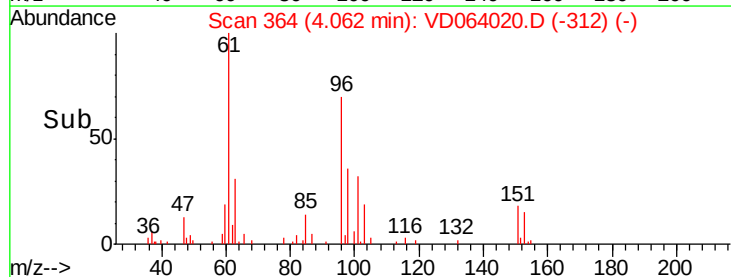
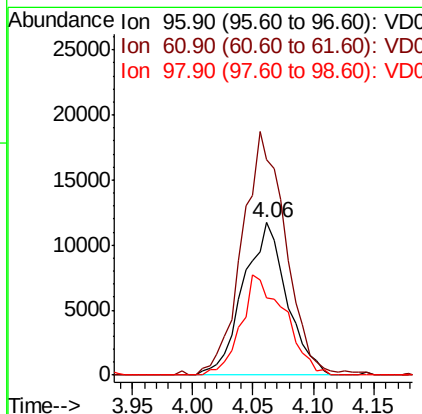
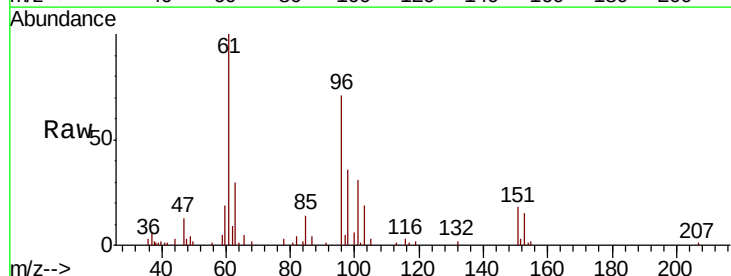
Tot Ion: 59 Resp: 11070
Ion Ratio Lower Upper
59 100
57 4.8 8.8 13.2#

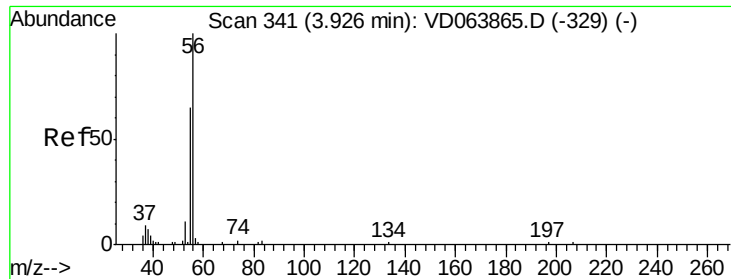


#12

1,1-Dichloroethene
Concen: 20.998 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion: 96 Resp: 29317
Ion Ratio Lower Upper
96 100
61 141.0 135.6 203.4
98 50.4 49.2 73.8

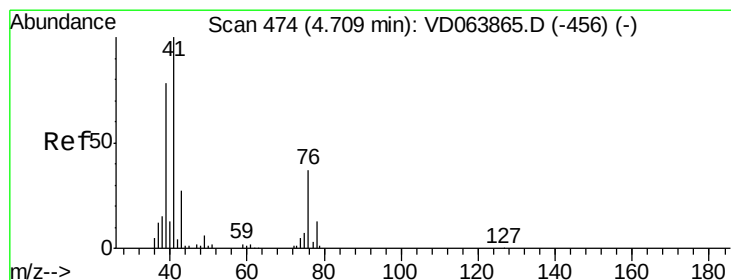
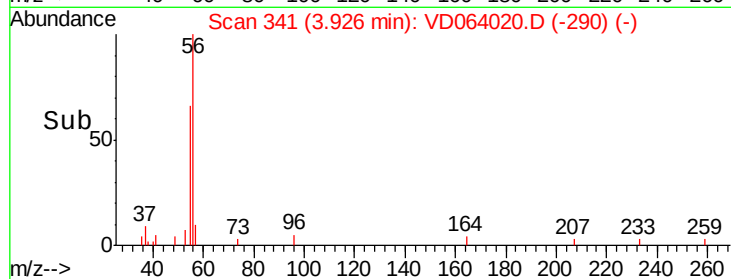
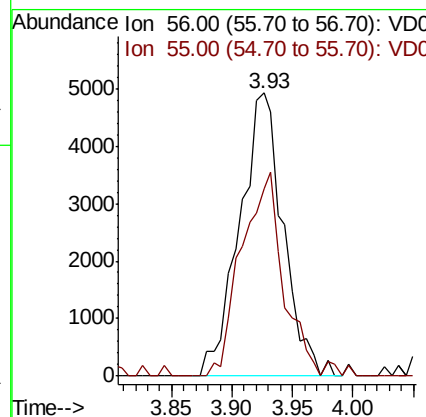
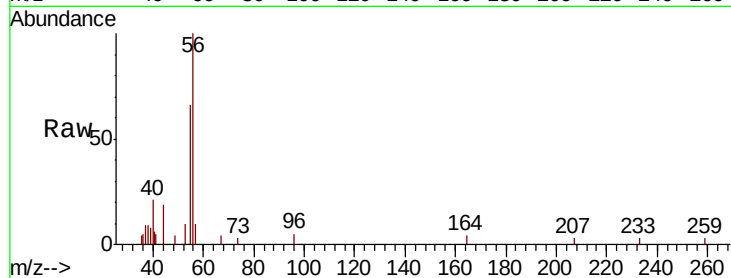




#13
 Acrolein
 Concen: 85.194 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

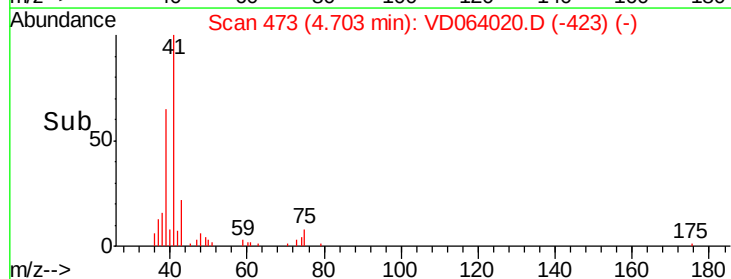
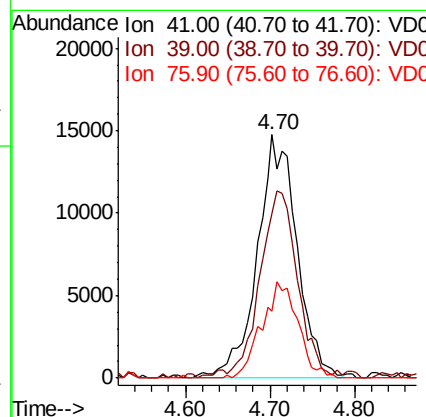
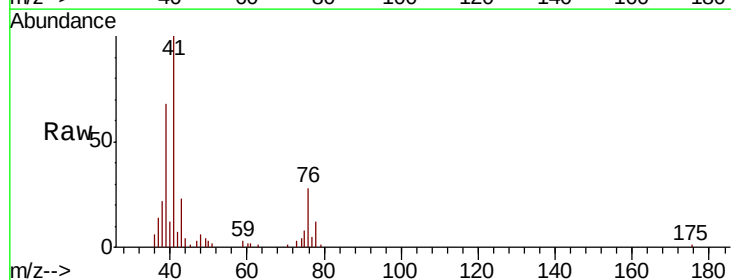
Instrument :
 MSVOA_D
 ClientSampled :

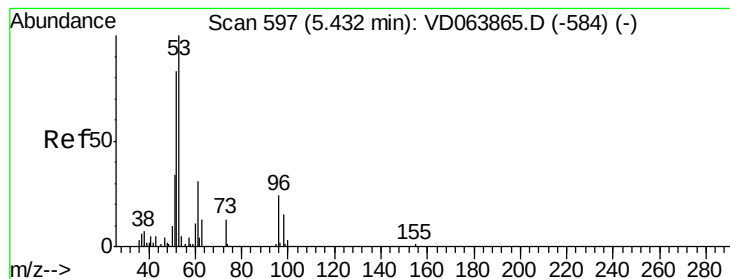
Tot Ion: 56 Resp: 12341
 Ion Ratio Lower Upper
 56 100
 55 68.7 53.0 79.6



#14
 Allyl chloride
 Concen: 20.756 ug/l
 RT: 4.70 min Scan# 473
 Delta R.T. -0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion: 41 Resp: 48179
 Ion Ratio Lower Upper
 41 100
 39 73.4 61.8 92.6
 76 36.1 31.3 46.9





#15

Acrylonitrile

Concen: 110.529 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

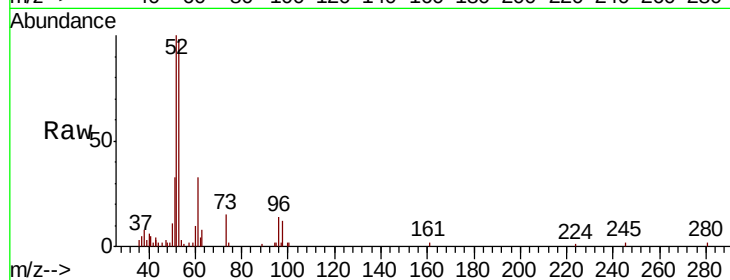
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 53 Resp: 39487

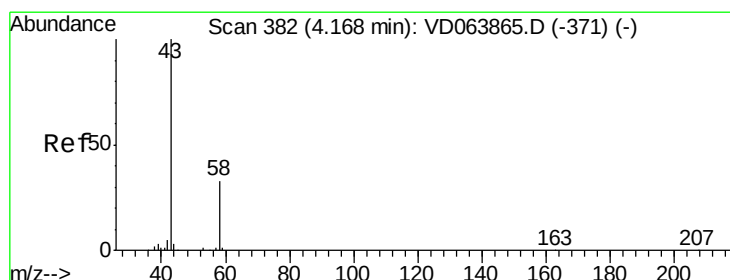
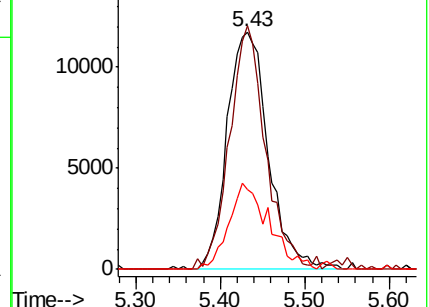
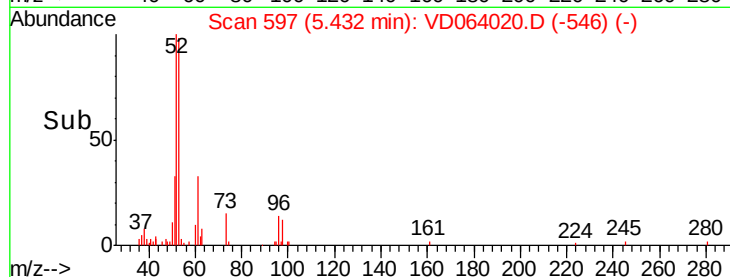
Ion	Ratio	Lower	Upper
53	100		
52	89.5	67.3	100.9
51	35.7	30.5	45.7



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 98.857 ug/l

RT: 4.16 min Scan# 381

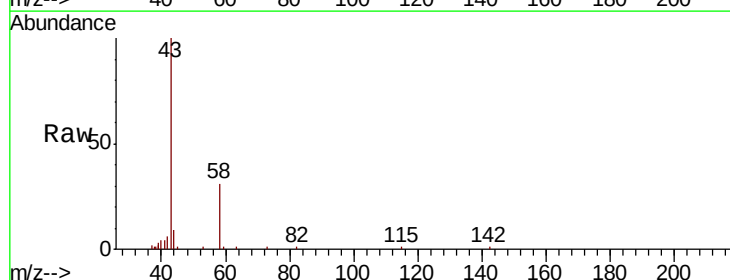
Delta R.T. -0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

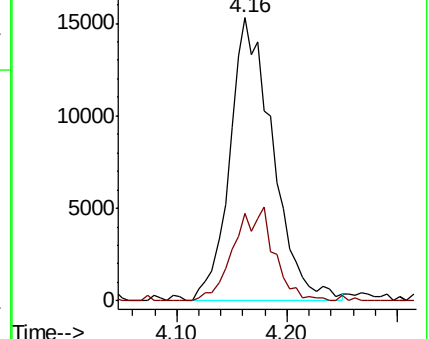
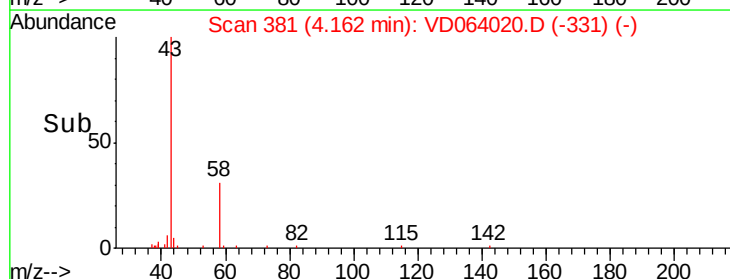
Tgt Ion: 43 Resp: 41744

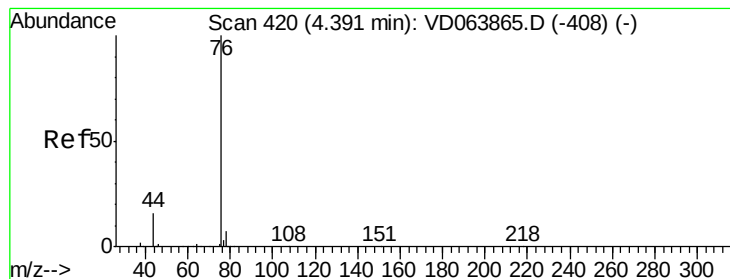
Ion	Ratio	Lower	Upper
43	100		
58	30.8	26.2	39.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 18.057 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

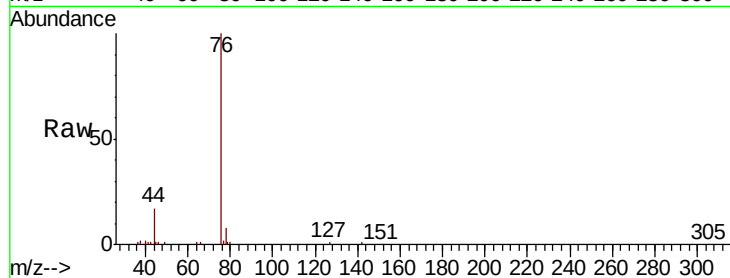
ClientSampleId :

Tot Ion: 76 Resp: 91642

Ion Ratio Lower Upper

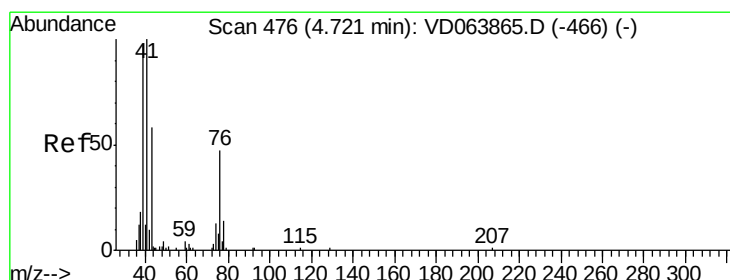
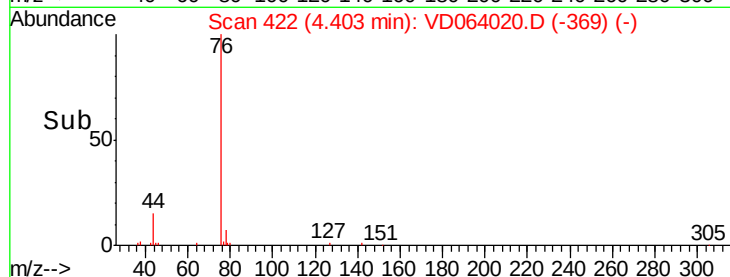
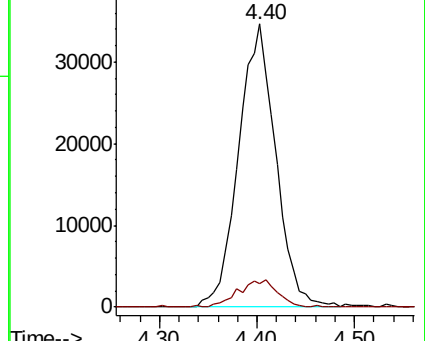
76 100

78 8.9 5.8 8.8#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 25.474 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064020.D

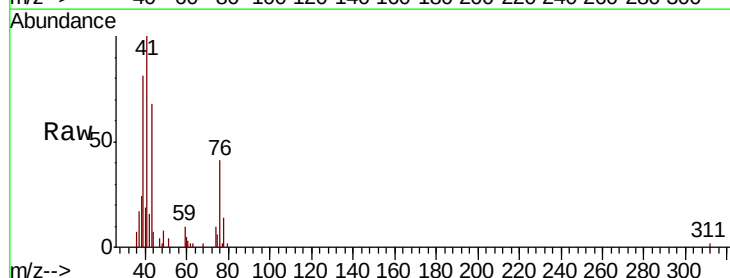
Acq: 23 Oct 2019 14:53

Tgt Ion: 43 Resp: 21039

Ion Ratio Lower Upper

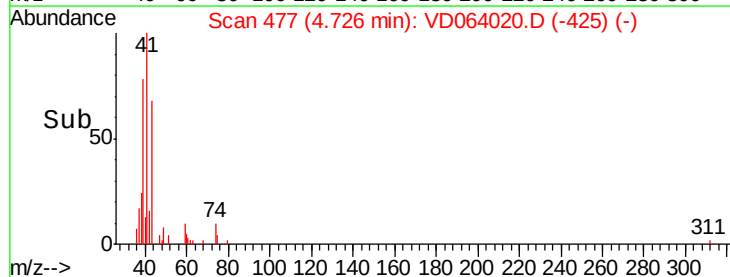
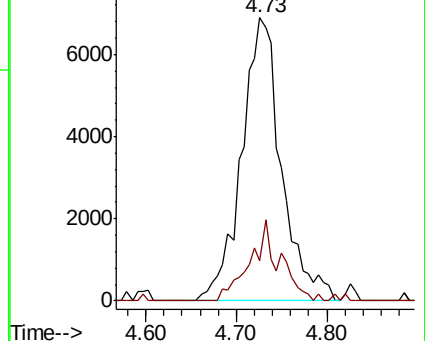
43 100

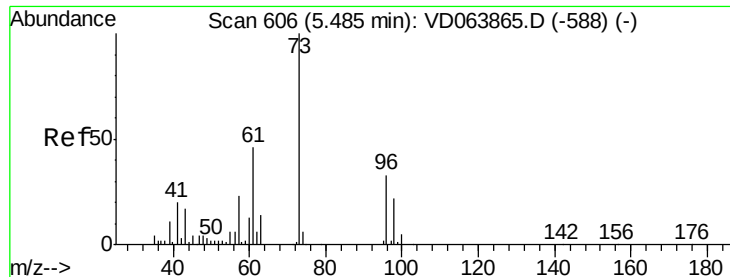
74 15.4 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



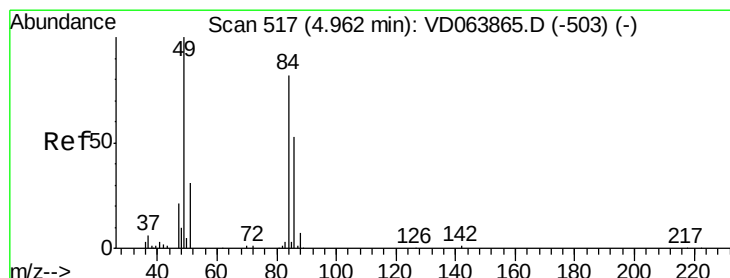
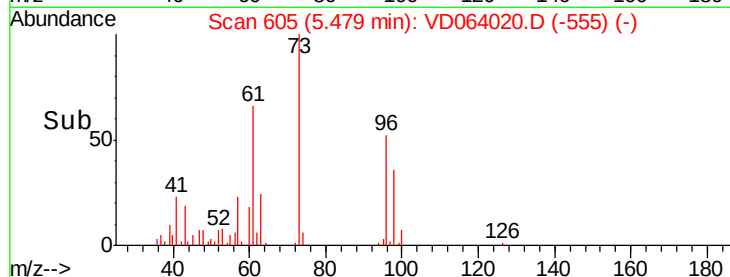
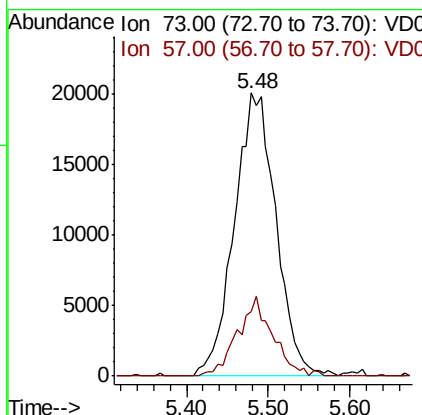
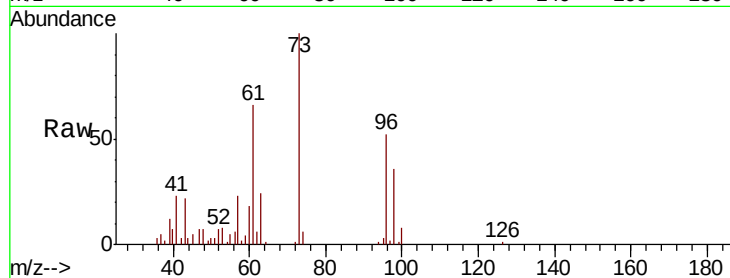


#19

Methyl tert-butyl Ether
 Concen: 19.709 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :

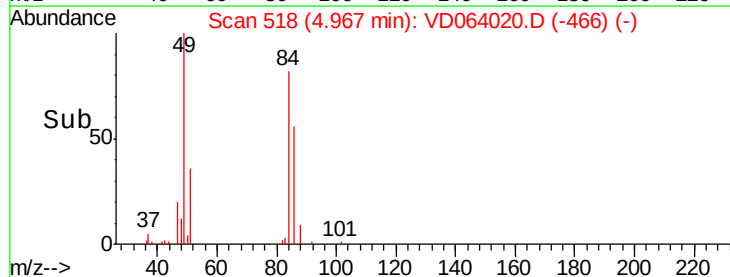
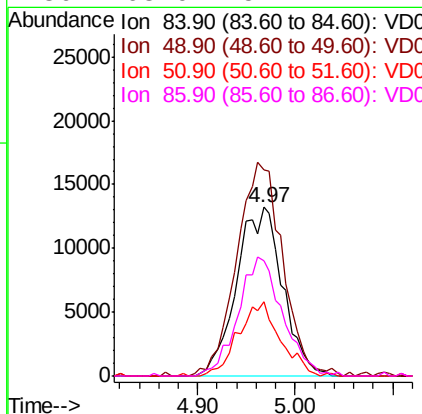
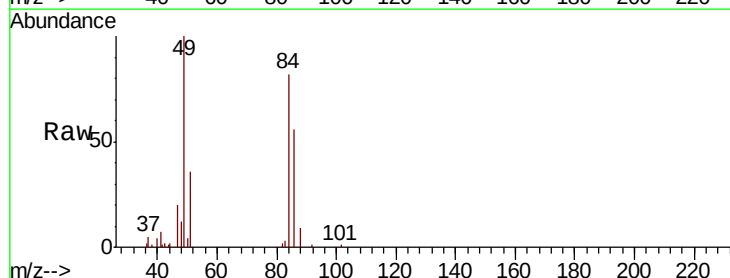
Tot Ion: 73 Resp: 71255
 Ion Ratio Lower Upper
 73 100
 57 22.8 18.1 27.1

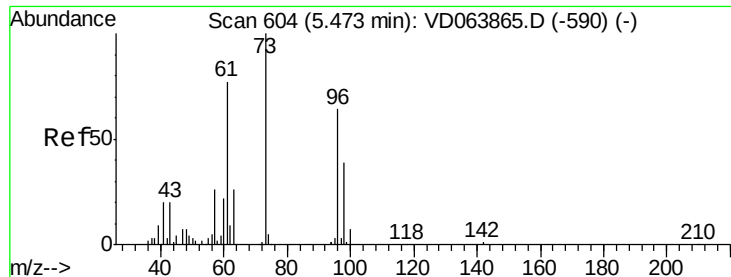


#20

Methylene Chloride
 Concen: 21.486 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion: 84 Resp: 43474
 Ion Ratio Lower Upper
 84 100
 49 122.2 97.3 145.9
 51 43.7 30.1 45.1
 86 68.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.992 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

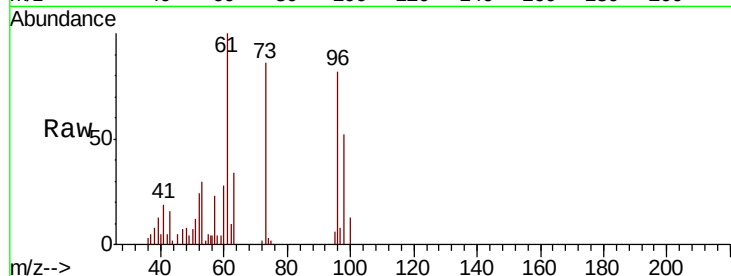
Tot Ion: 96 Resp: 36485

Ion Ratio Lower Upper

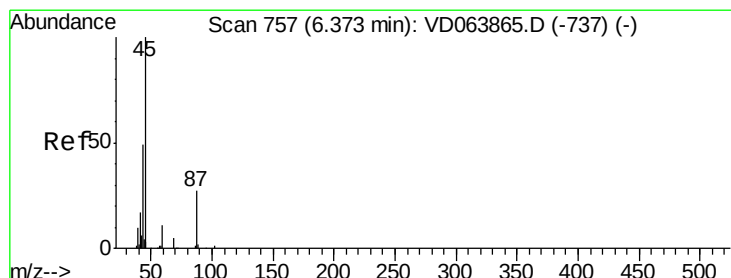
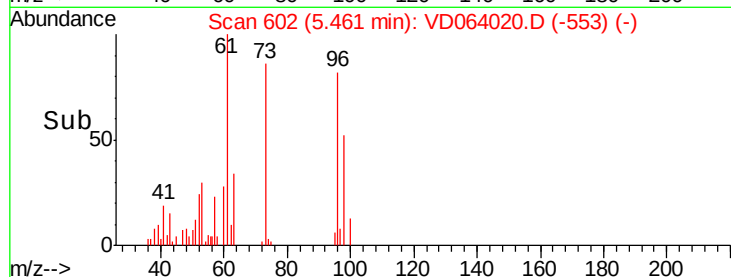
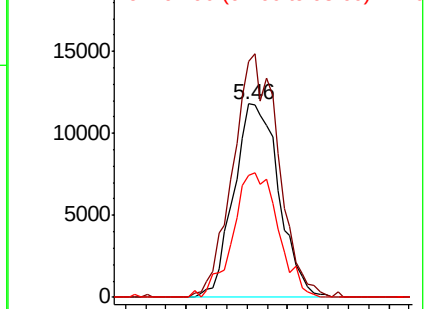
96 100

61 122.1 96.6 145.0

98 63.3 48.7 73.1



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



#22

Diisopropyl ether

Concen: 21.699 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Tgt Ion: 45 Resp: 102867

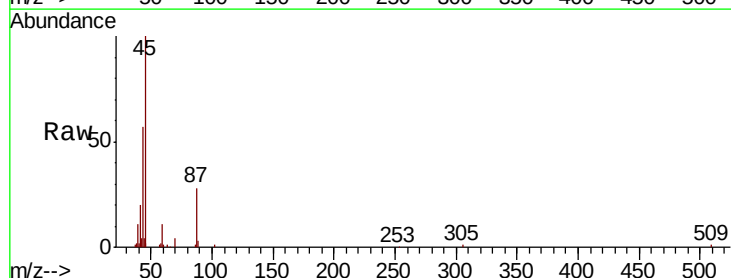
Ion Ratio Lower Upper

45 100

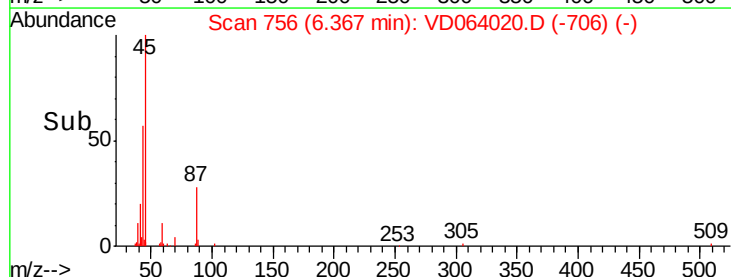
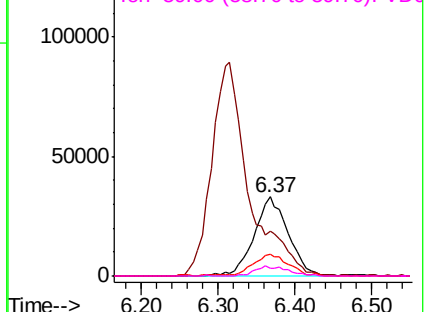
43 56.7 41.2 61.8

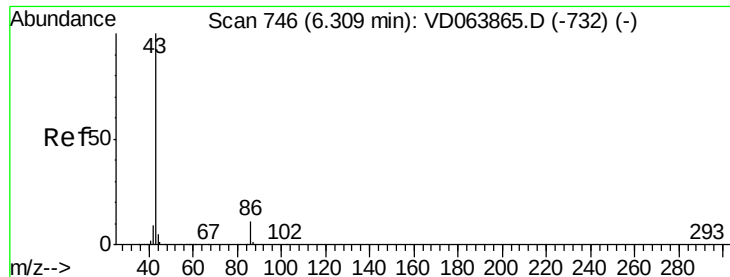
87 27.7 22.2 33.4

59 10.5 9.2 13.8



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





#23

Vinyl Acetate

Concen: 106.081 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

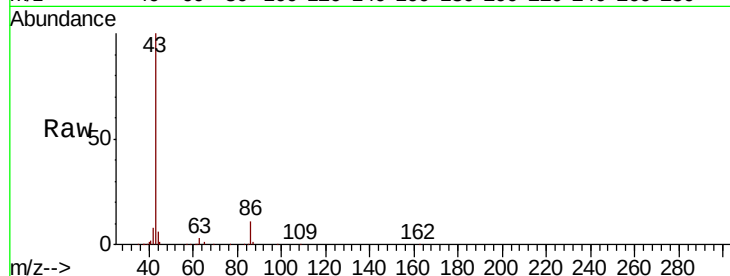
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 299167

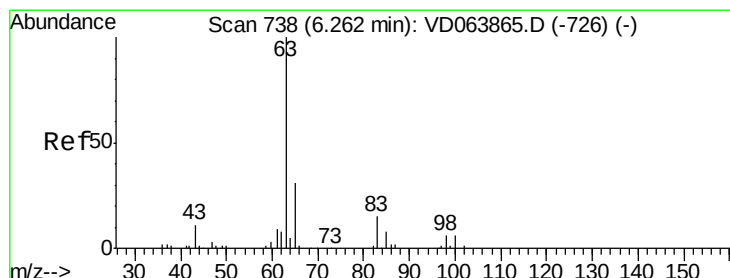
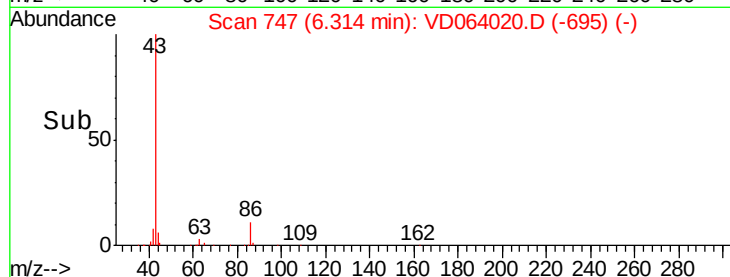
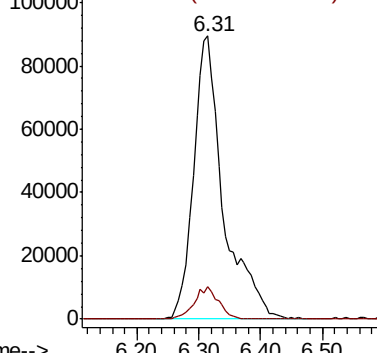
Ion Ratio Lower Upper

43 100

86 11.3 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.430 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

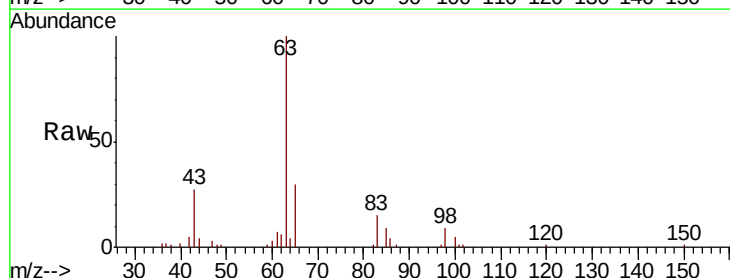
Tgt Ion: 63 Resp: 62577

Ion Ratio Lower Upper

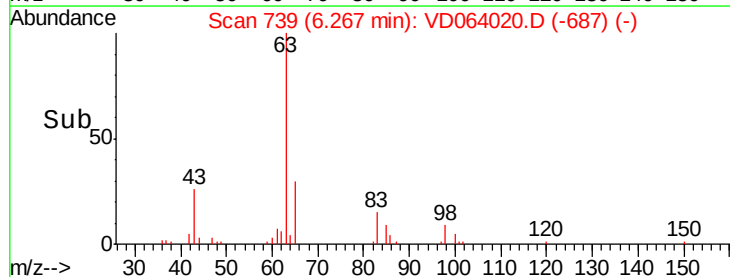
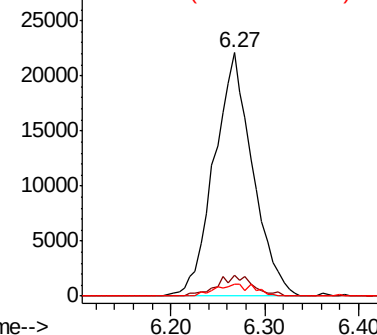
63 100

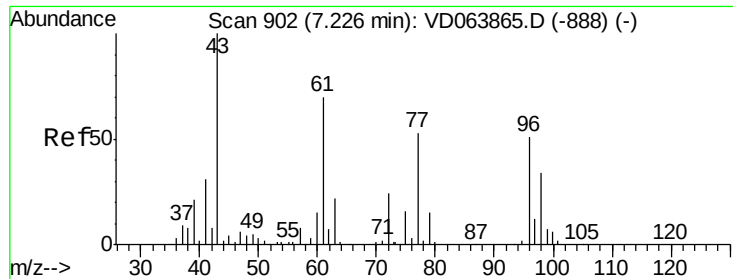
98 8.5 3.1 9.4

100 4.9 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: 107.240 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

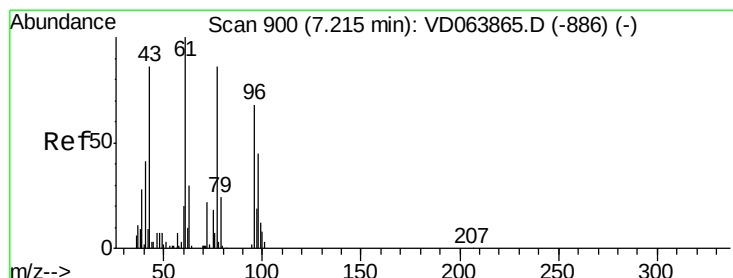
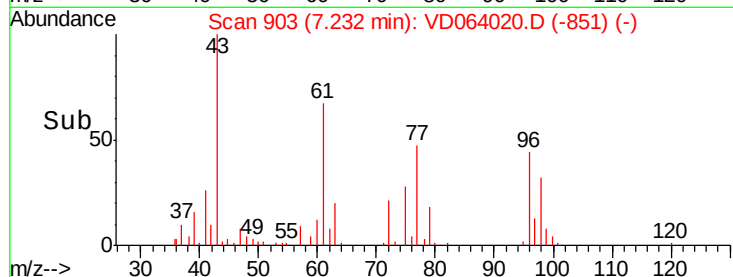
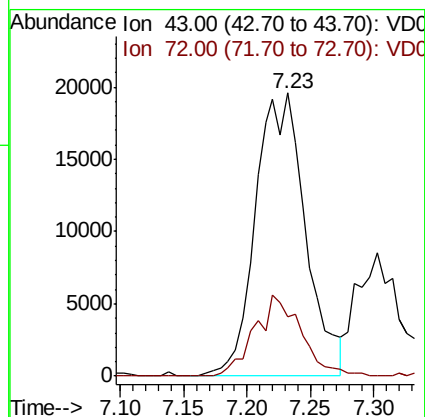
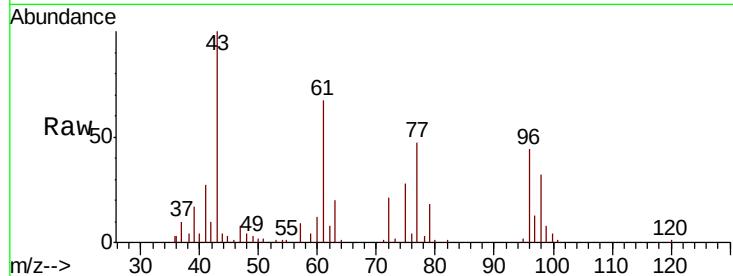
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 53666

Ion Ratio Lower Upper

43 100

72 21.1 19.2 28.8



#26

2,2-Dichloropropane

Concen: 21.010 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064020.D

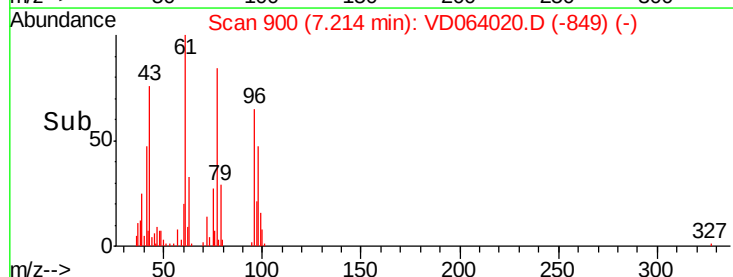
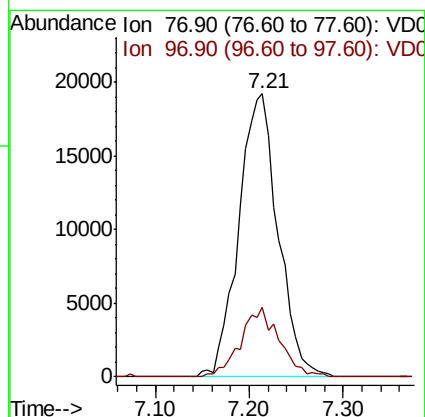
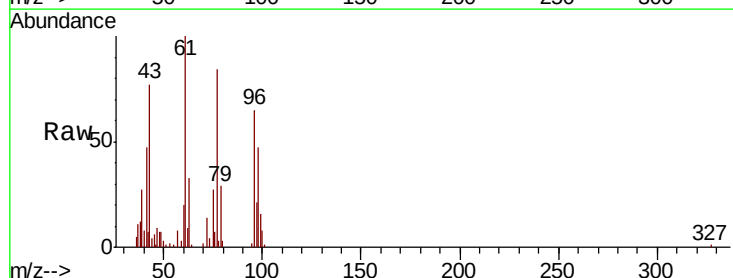
Acq: 23 Oct 2019 14:53

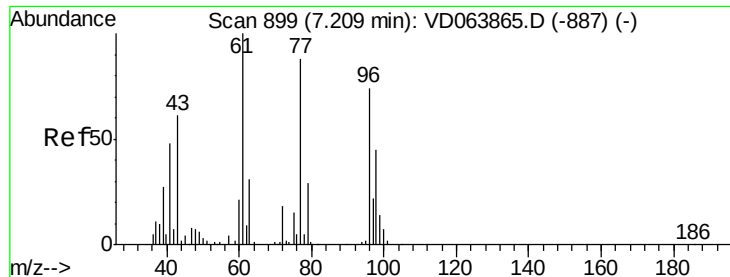
Tgt Ion: 77 Resp: 55497

Ion Ratio Lower Upper

77 100

97 24.2 11.4 34.1



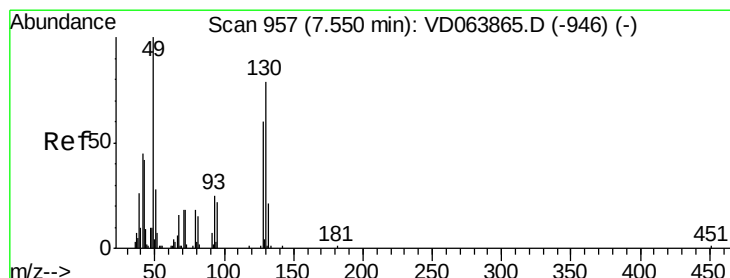
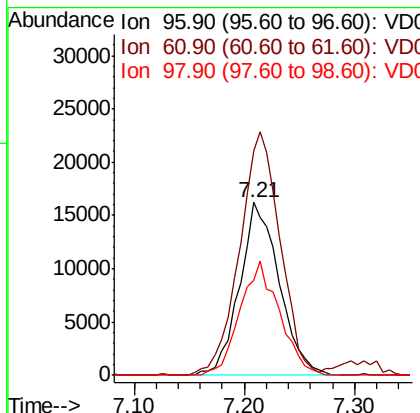
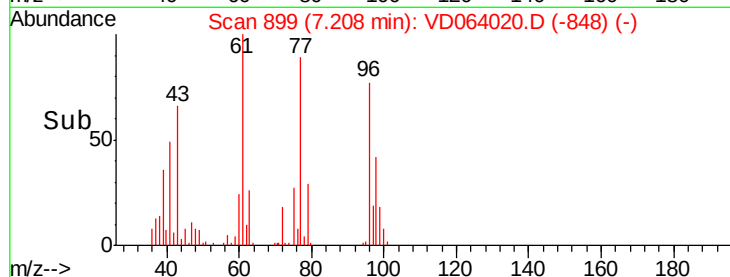
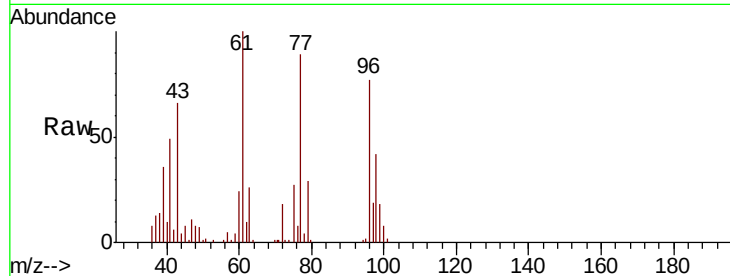


#27

cis-1,2-Dichloroethene
Concen: 20.822 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :

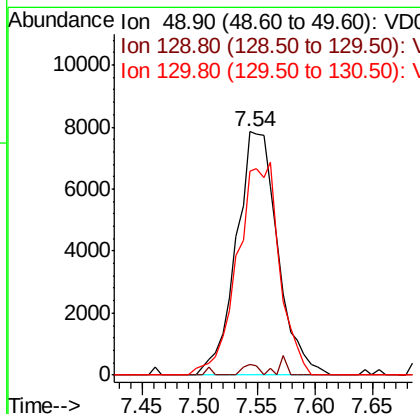
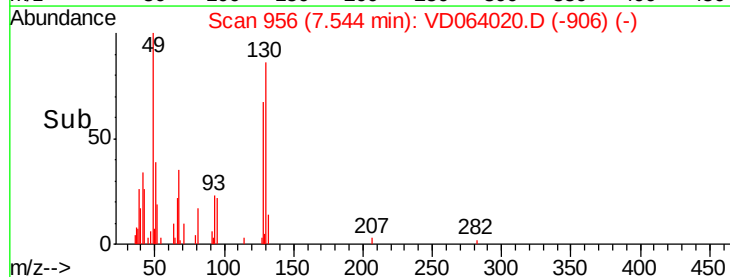
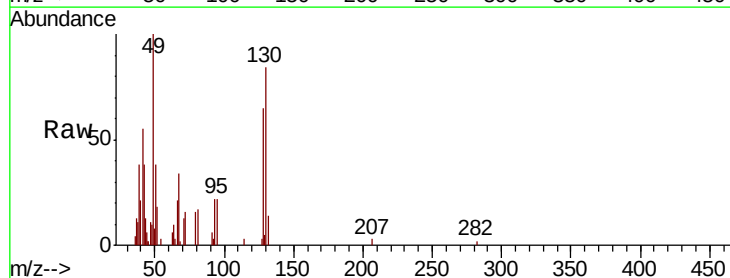
Tot Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	280.0
98	65.7	0.0	130.4

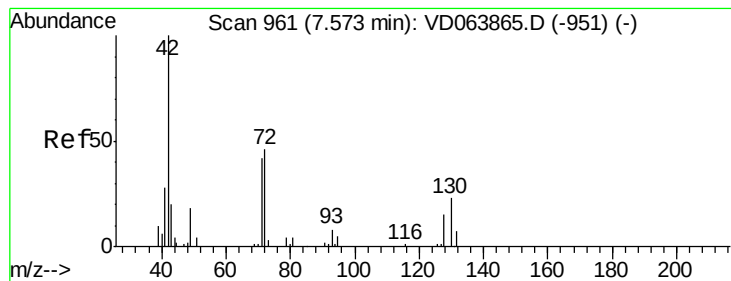


#28

Bromochloromethane
Concen: 18.886 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	5.6
130	0.0	66.8	100.2#





#29

Tetrahydrofuran

Concen: 109.339 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

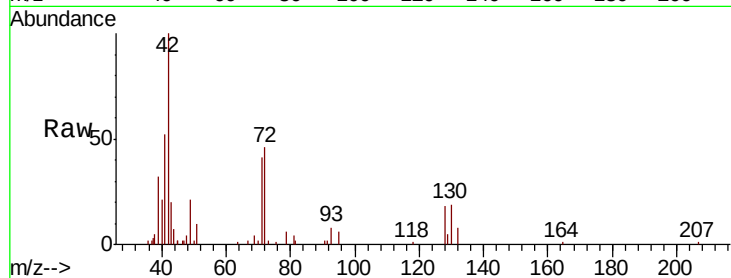
Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 31937

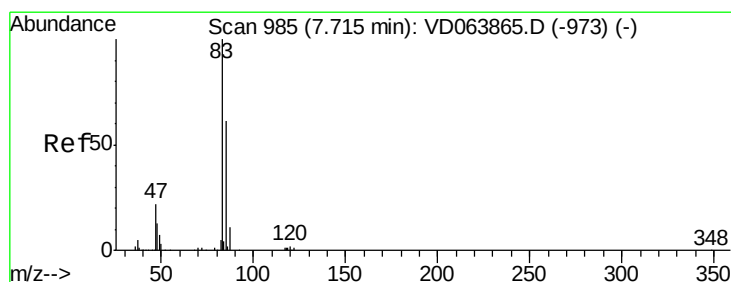
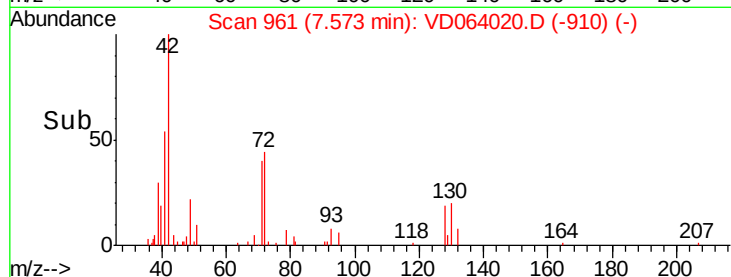
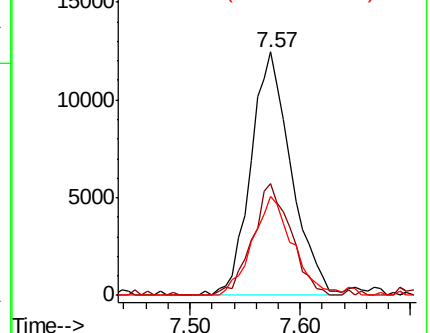
Ion	Ratio	Lower	Upper
42	100		
72	43.6	37.6	56.4
71	40.5	35.0	52.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.382 ug/l

RT: 7.71 min Scan# 985

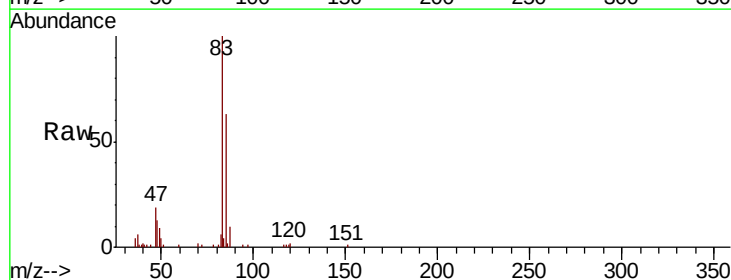
Delta R.T. -0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

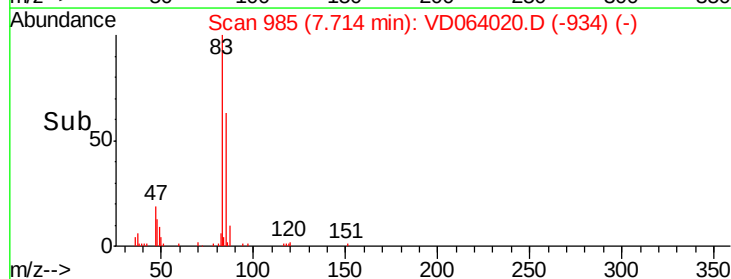
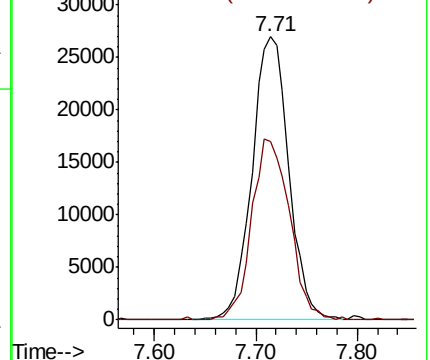
Tgt Ion: 83 Resp: 67815

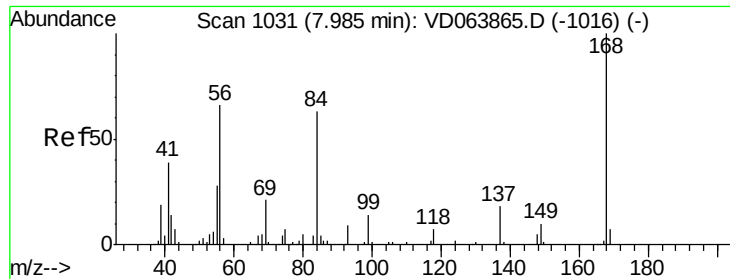
Ion	Ratio	Lower	Upper
83	100		
85	63.0	48.9	73.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

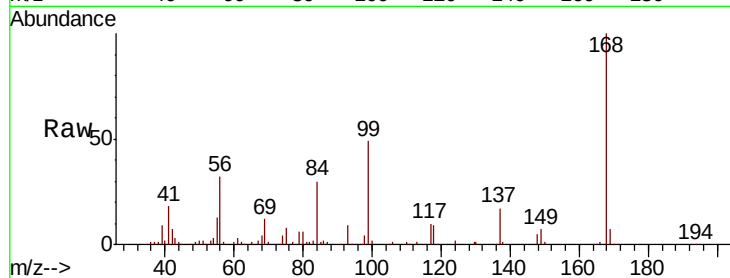




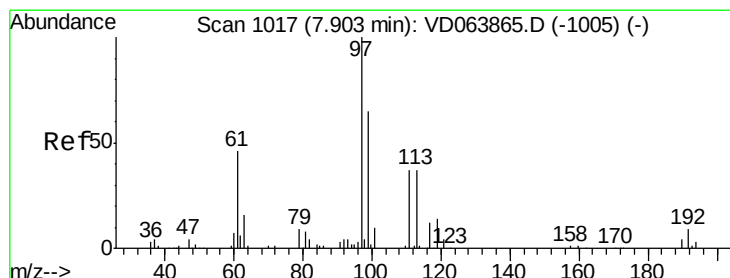
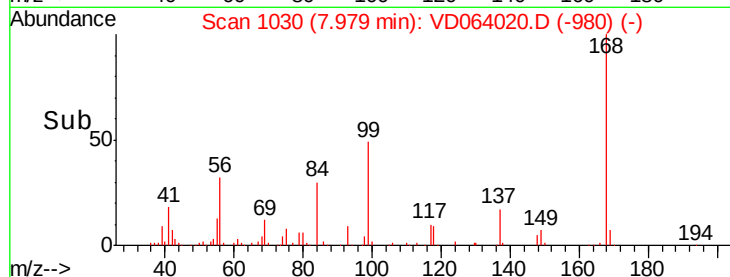
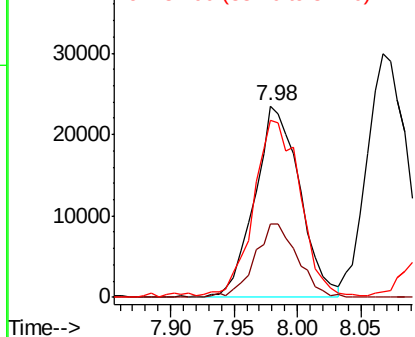
#31
Cyclohexane
Concen: 21.903 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 58294
Ion Ratio Lower Upper
56 100
69 38.5 25.0 37.4#
84 90.7 76.3 114.5

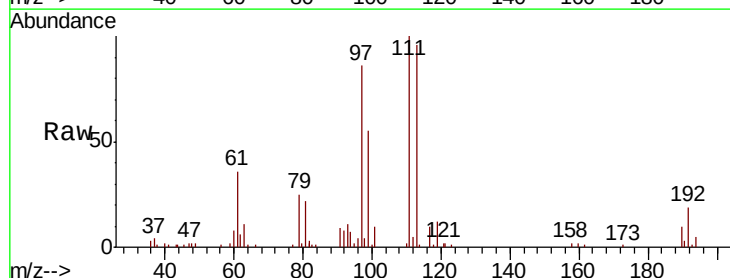


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

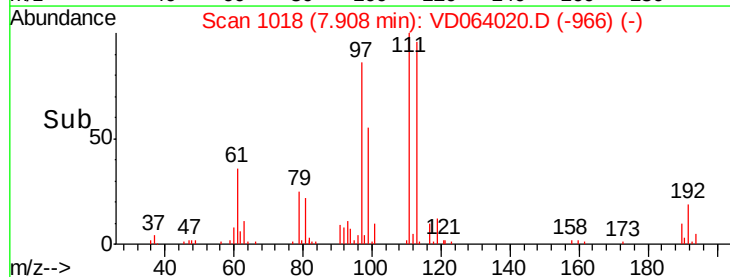
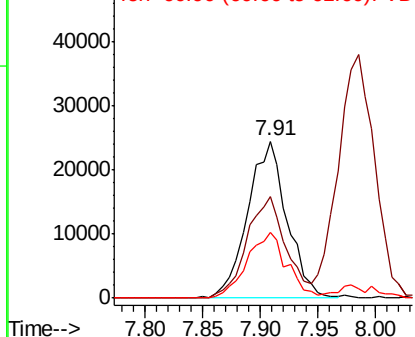


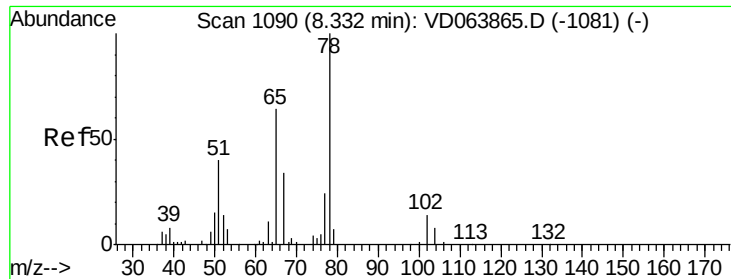
#32
1,1,1-Trichloroethane
Concen: 21.353 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion: 97 Resp: 58093
Ion Ratio Lower Upper
97 100
99 64.5 52.4 78.6
61 42.7 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

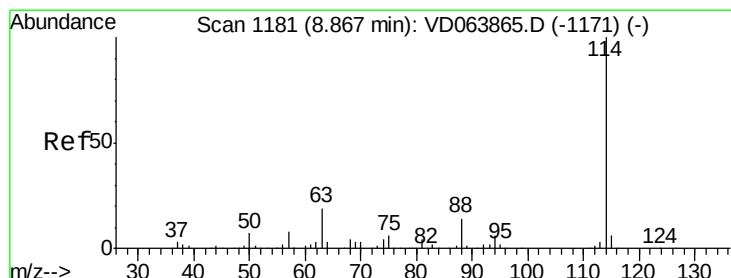
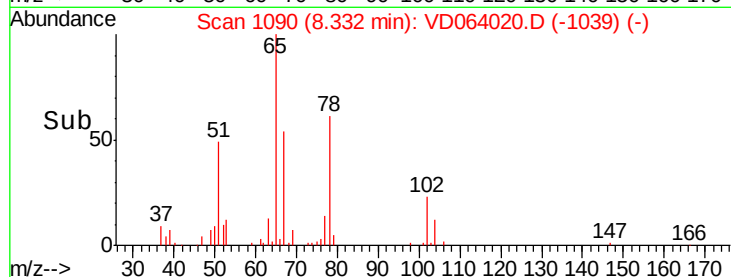
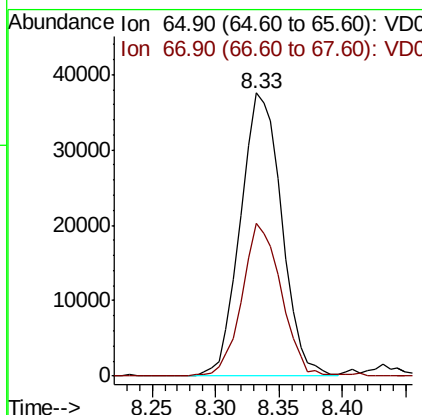
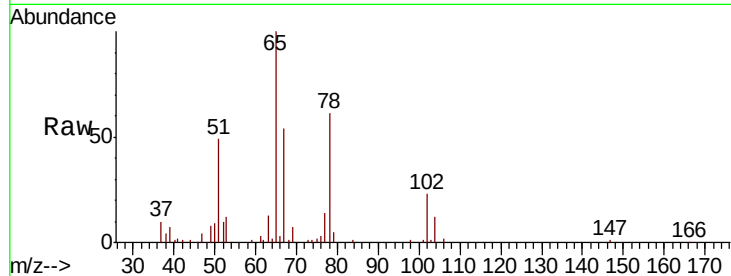




#33
 1,2-Dichloroethane-d4
 Concen: 52.380 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

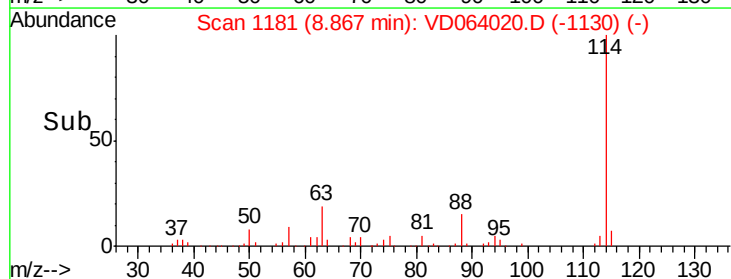
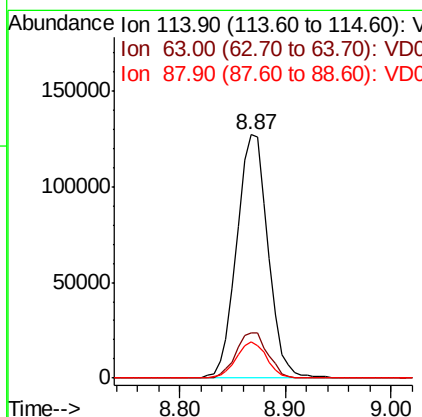
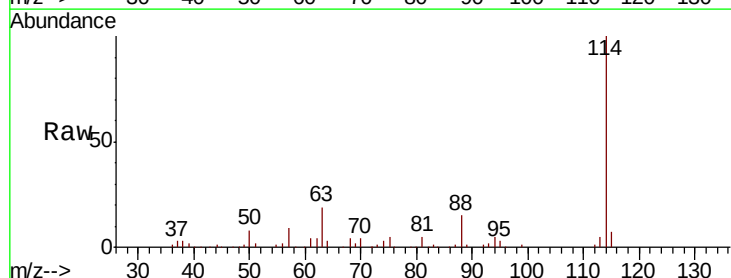
Instrument :
 MSVOA_D
 ClientSampleId :

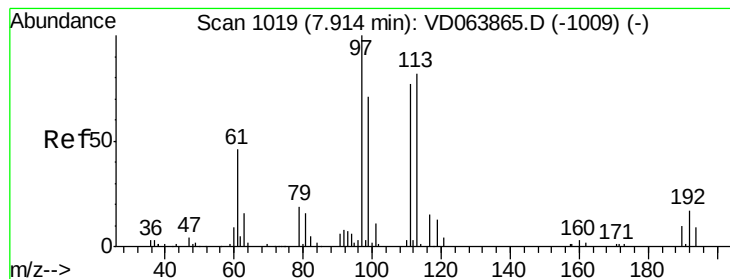
Tot Ion: 65 Resp: 84954
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion: 114 Resp: 261566
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.4
 88 14.8 0.0 27.4

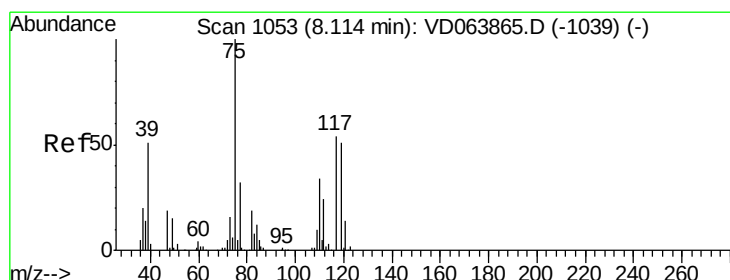
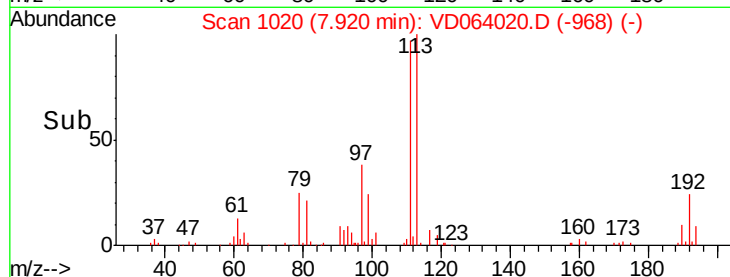
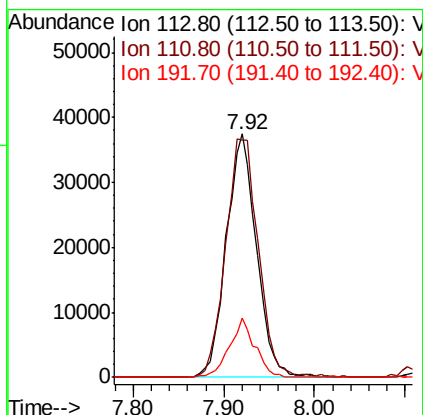
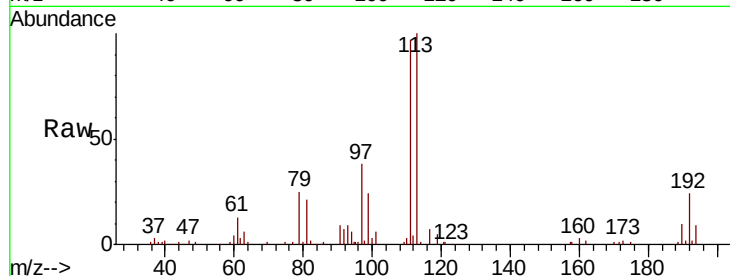




#35
 Dibromofluoromethane
 Concen: 54.122 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

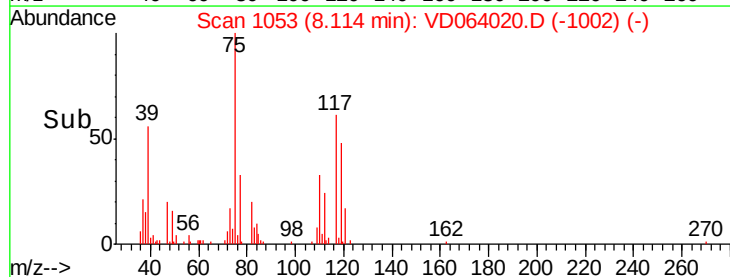
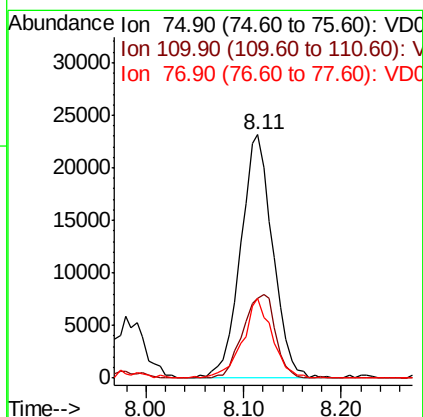
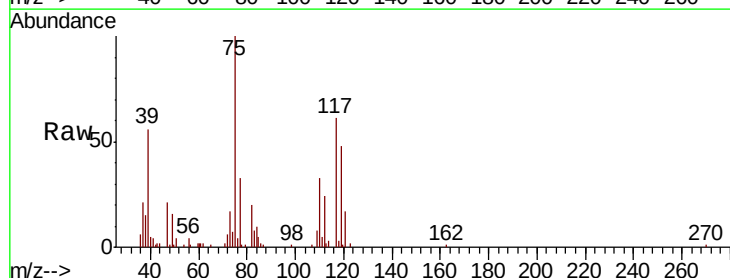
Instrument :
 MSVOA_D
 ClientSampleID :

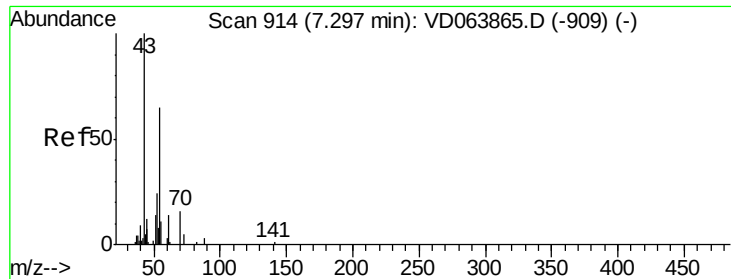
Tot Ion:113 Resp: 86515
 Ion Ratio Lower Upper
 113 100
 111 106.0 82.6 123.8
 192 20.6 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 22.227 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion: 75 Resp: 53157
 Ion Ratio Lower Upper
 75 100
 110 35.0 17.4 52.3
 77 30.3 25.4 38.0

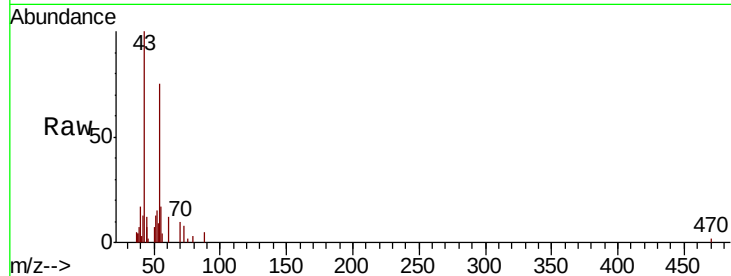




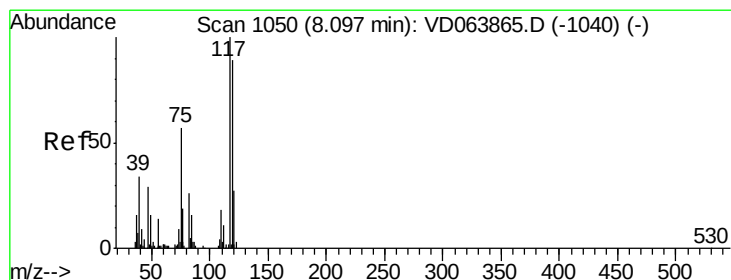
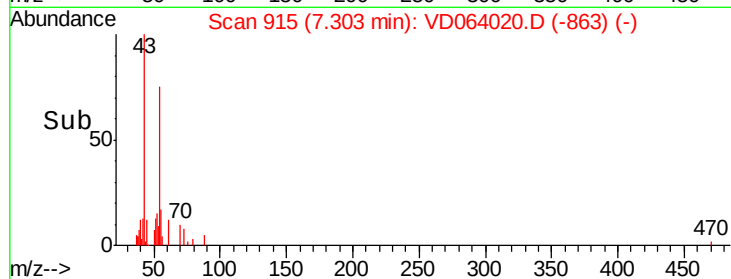
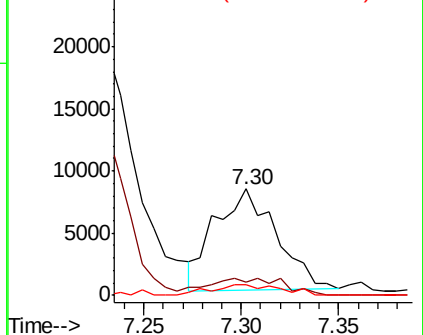
#37
Ethyl Acetate
Concen: 15.594 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 17586
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 11.7 8.2 12.4

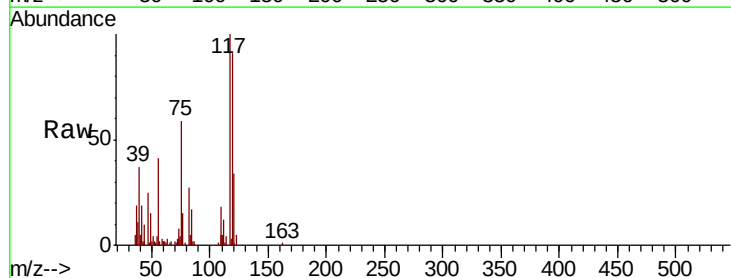


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

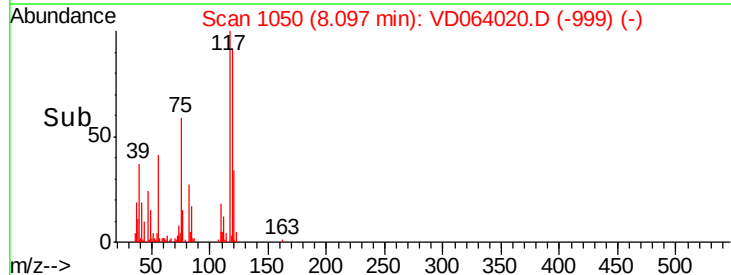
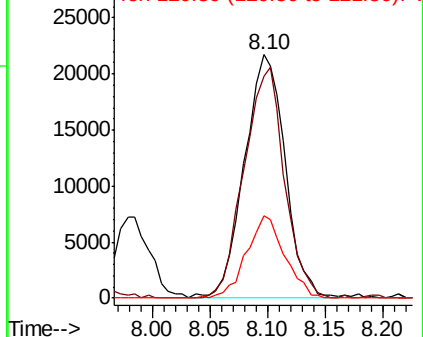


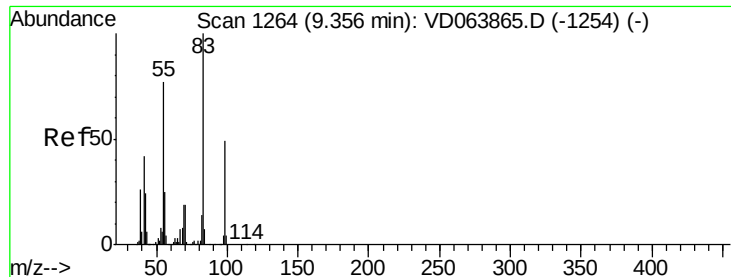
#38
Carbon Tetrachloride
Concen: 22.035 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion: 117 Resp: 53253
Ion Ratio Lower Upper
117 100
119 91.1 70.8 106.2
121 33.6 21.4 32.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

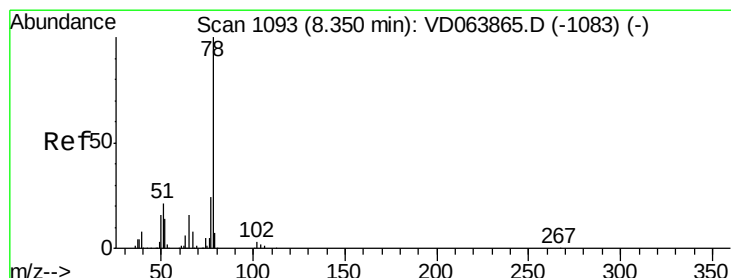
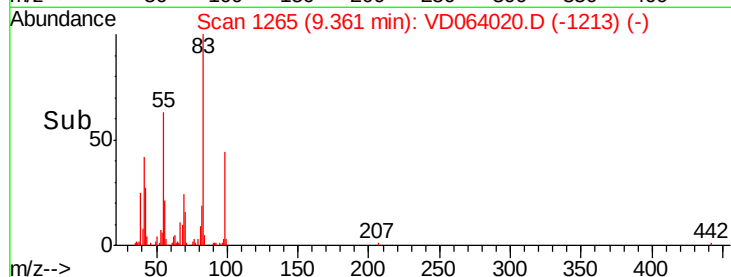
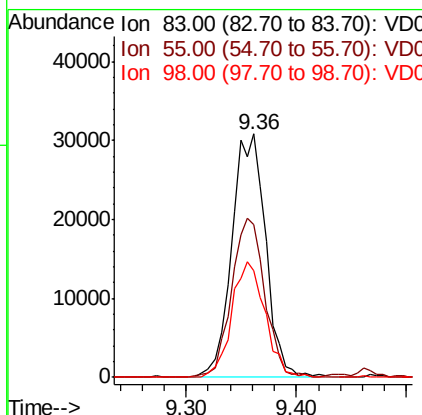
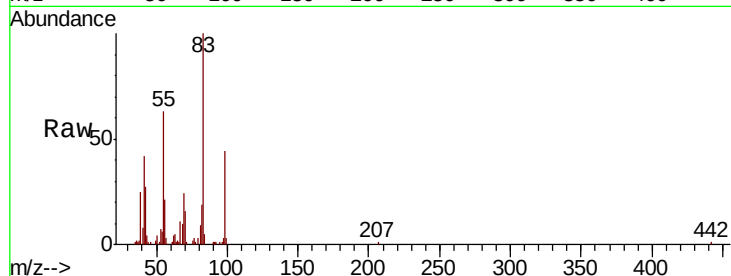




#39
Methylvlcyclohexane
Concen: 22.464 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

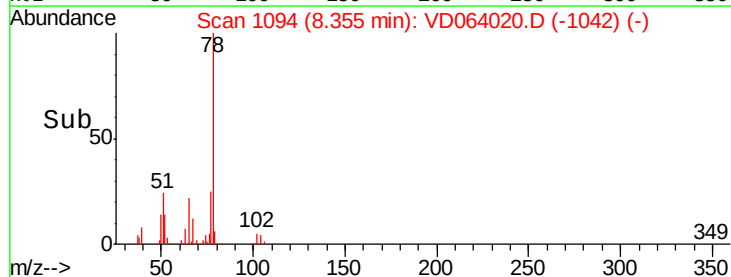
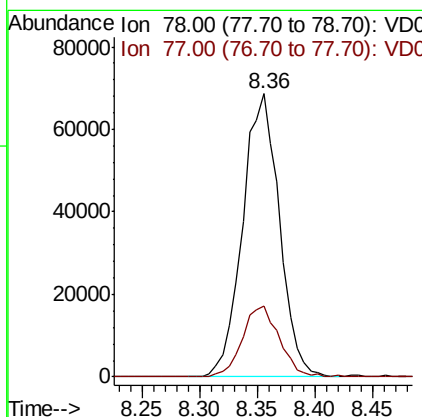
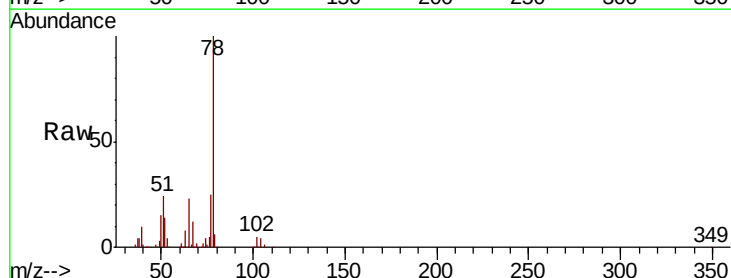
Instrument :
MSVOA_D
ClientSampled :

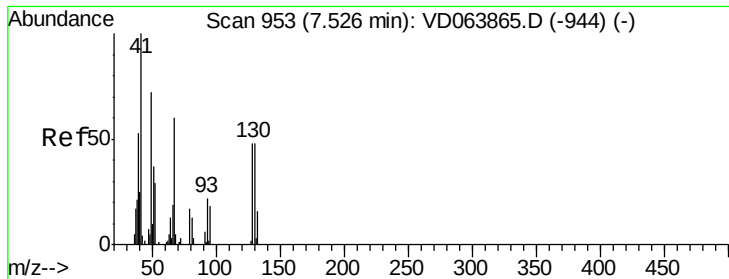
Tot Ion: 83 Resp: 66057
Ion Ratio Lower Upper
83 100
55 62.7 61.3 91.9
98 44.0 39.3 58.9



#40
Benzene
Concen: 22.221 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion: 78 Resp: 152294
Ion Ratio Lower Upper
78 100
77 25.2 19.0 28.6

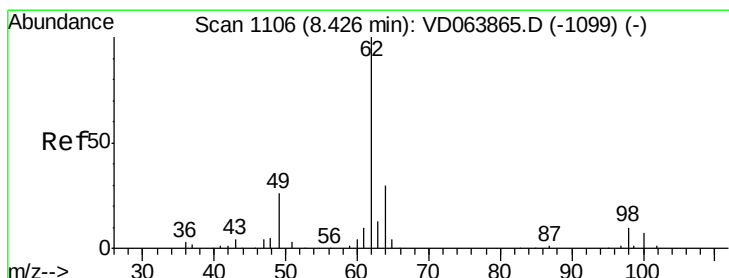
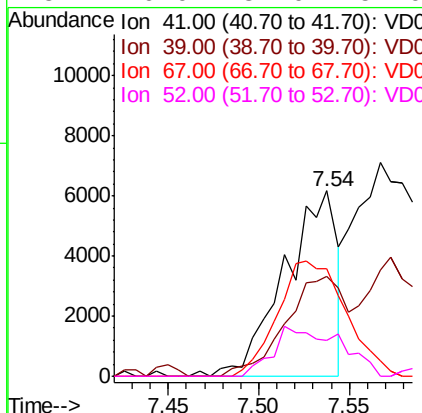
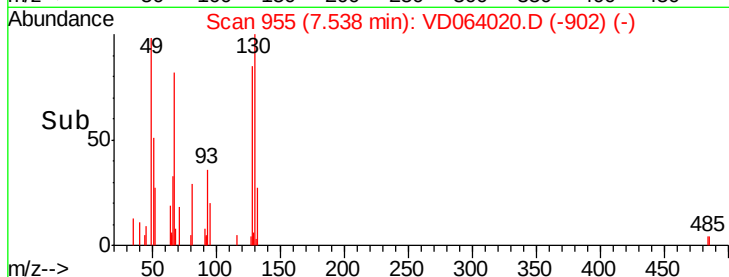
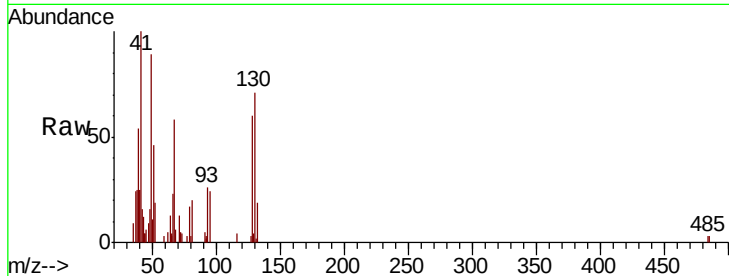




#41
Methacrylonitrile
Concen: 22.479 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

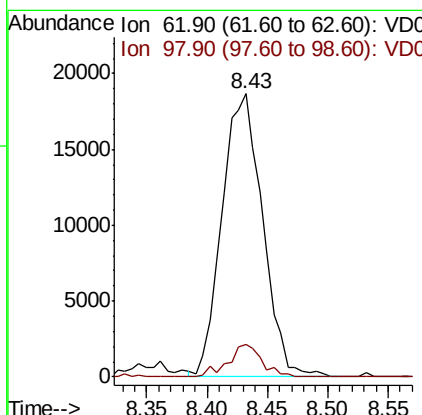
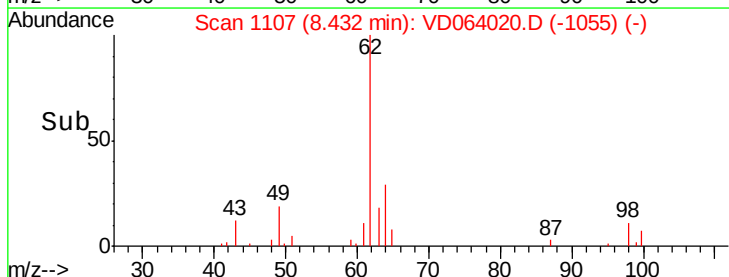
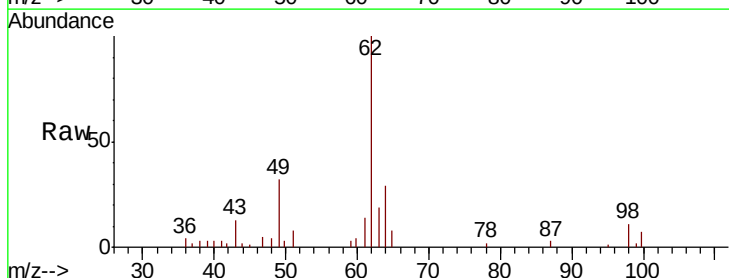
Instrument :
MSVOA_D
ClientSampled :

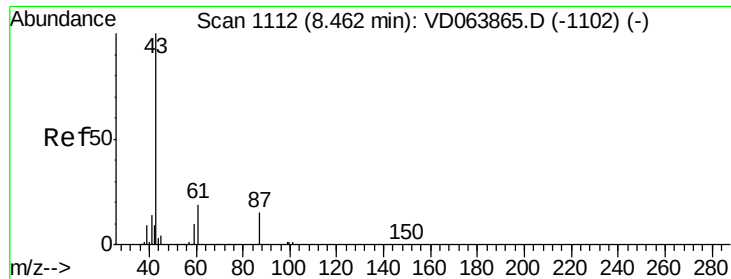
Tot Ion: 41 Resp: 12464
Ion Ratio Lower Upper
41 100
39 60.9 52.6 78.8
67 80.6 74.2 111.2
52 0.0 34.0 51.0#



#42
1,2-Dichloroethane
Concen: 21.993 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion: 62 Resp: 43600
Ion Ratio Lower Upper
62 100
98 9.6 0.0 20.0





#43

Isopropyl Acetate

Concen: 19.713 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

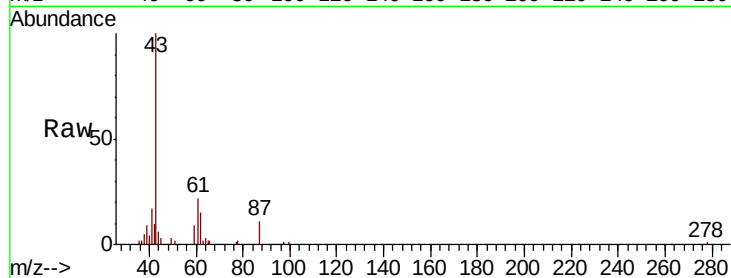
Tot Ion: 43 Resp: 39537

Ion Ratio Lower Upper

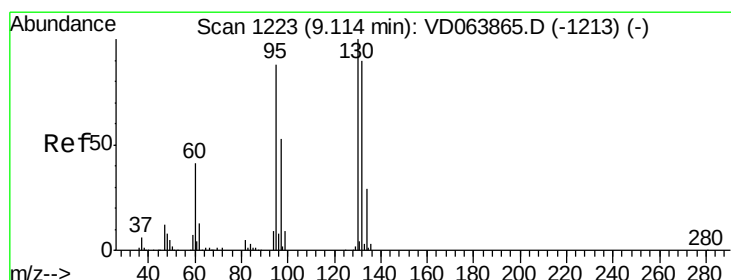
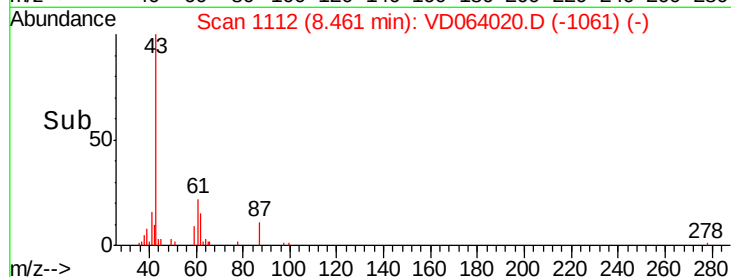
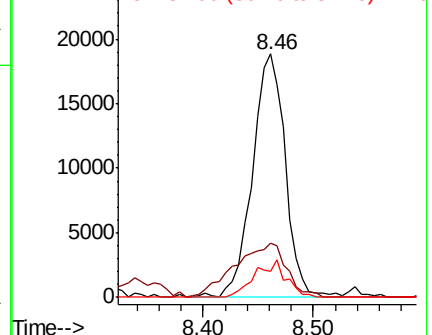
43 100

61 34.5 25.7 38.5

87 14.4 11.6 17.4



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



#44

Trichloroethene

Concen: 21.234 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064020.D

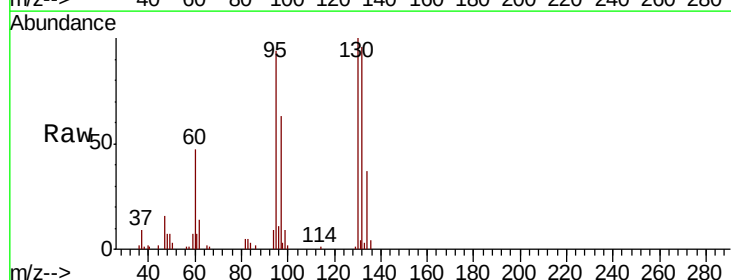
Acq: 23 Oct 2019 14:53

Tgt Ion:130 Resp: 41964

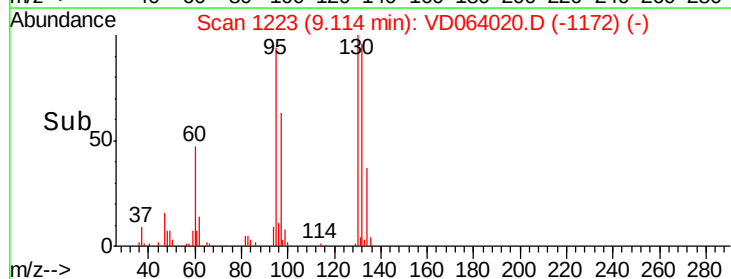
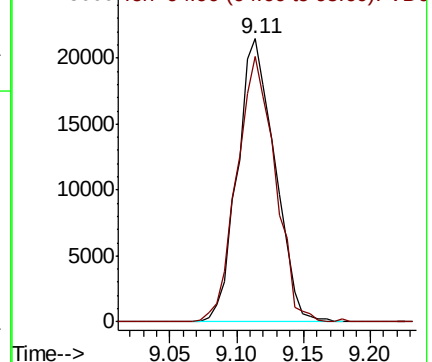
Ion Ratio Lower Upper

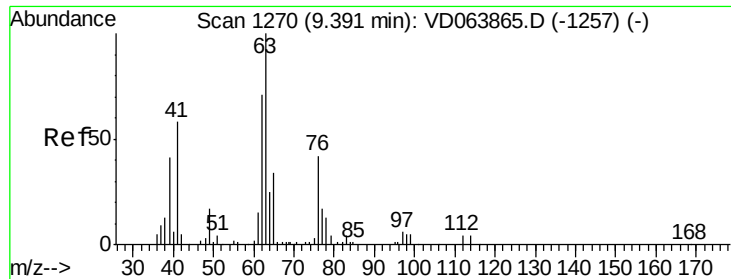
130 100

95 93.8 0.0 175.6



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

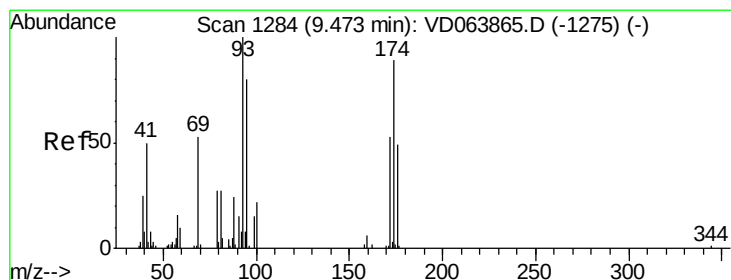
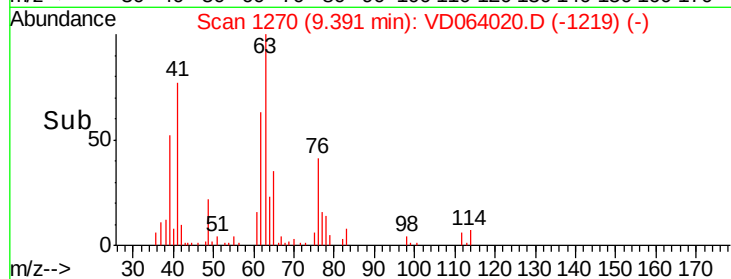
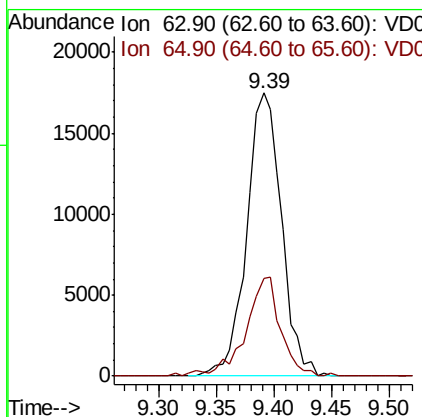
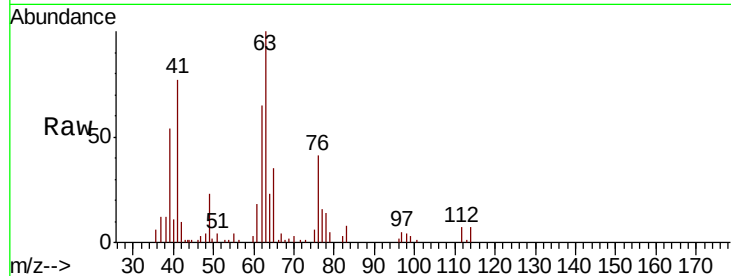




#45
 1,2-Dichloropropane
 Concen: 21.946 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

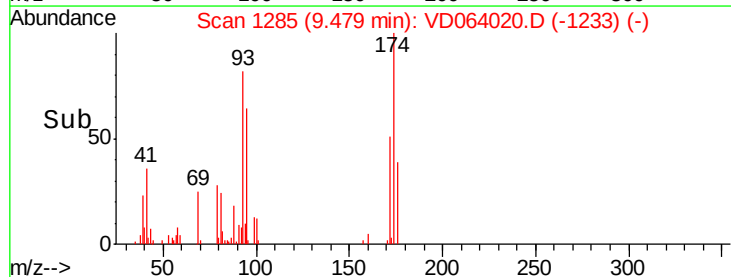
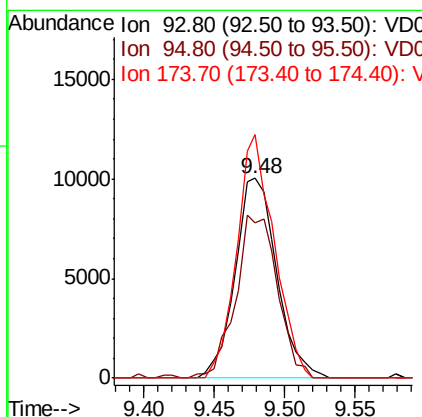
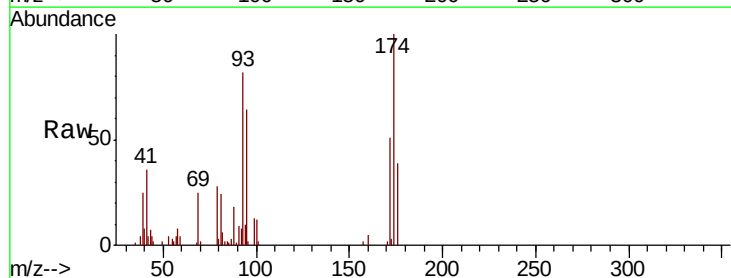
Instrument :
 MSVOA_D
 ClientSampleId :

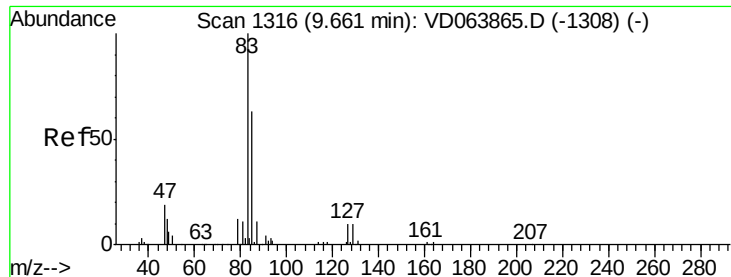
Tot Ion: 63 Resp: 36815
 Ion Ratio Lower Upper
 63 100
 65 34.6 27.3 40.9



#46
 Dibromomethane
 Concen: 21.611 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion: 93 Resp: 20646
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.0 99.0
 174 109.6 83.4 125.0





#47

Bromodichloromethane

Concen: 21.343 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

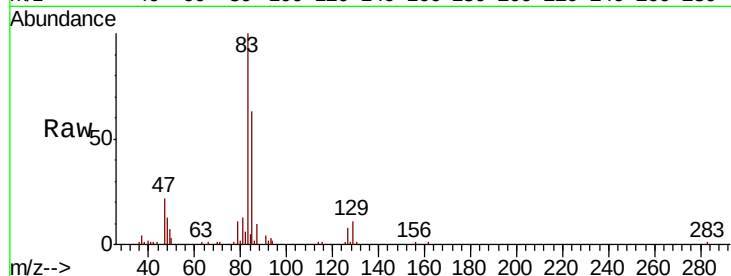
Tot Ion: 83 Resp: 52496

Ion Ratio Lower Upper

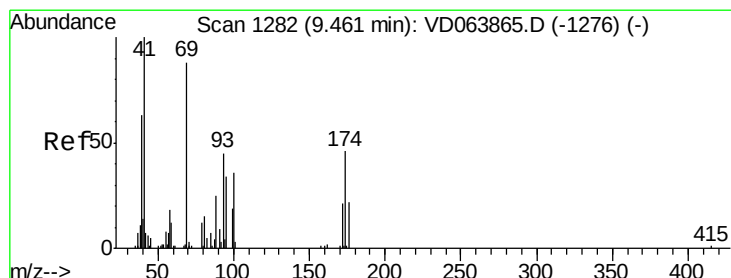
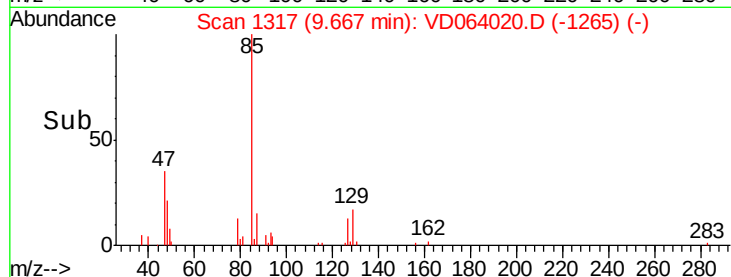
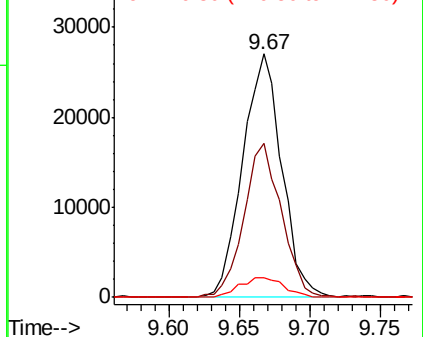
83 100

85 63.2 50.2 75.2

127 8.0 7.6 11.4



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



#48

Methyl methacrylate

Concen: 20.471 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

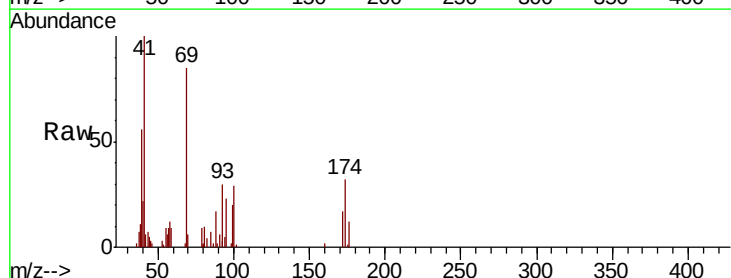
Tgt Ion: 41 Resp: 19672

Ion Ratio Lower Upper

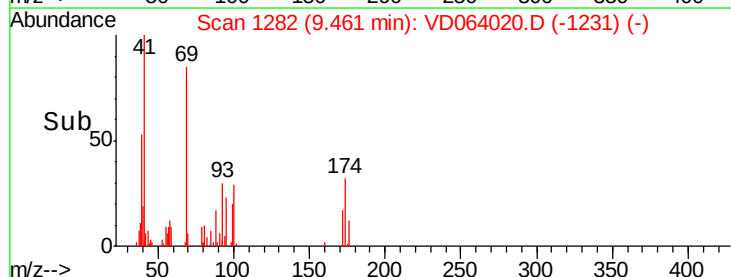
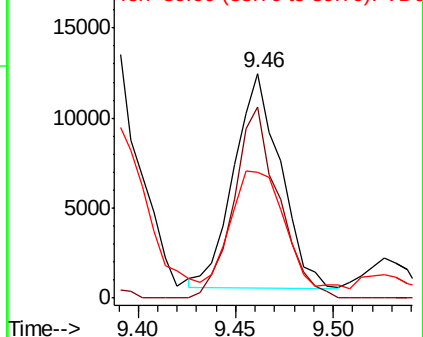
41 100

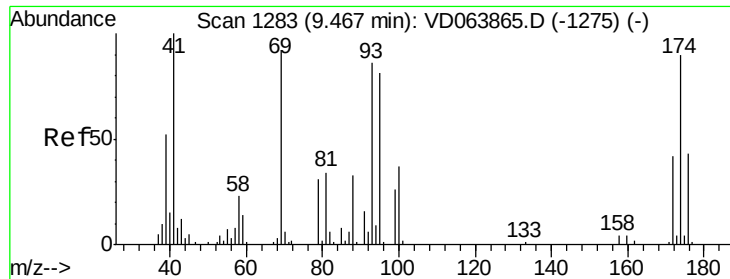
69 85.5 75.1 112.7

39 72.8 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

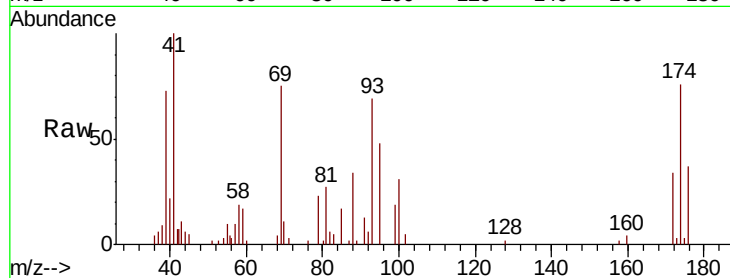




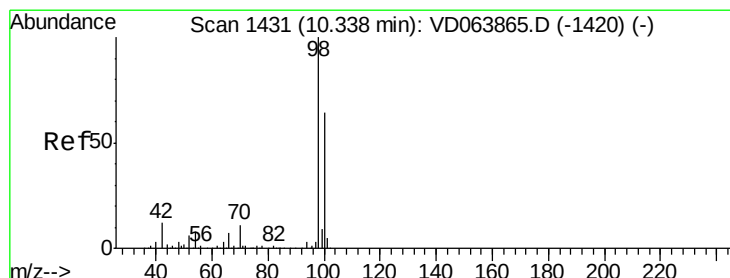
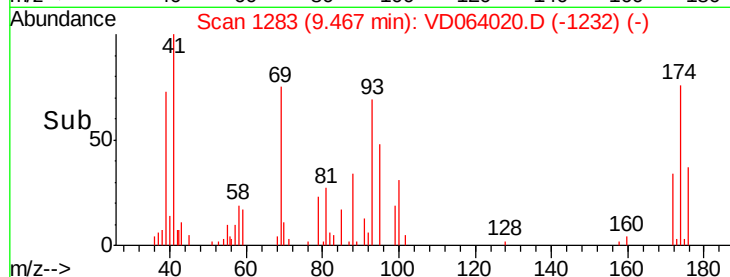
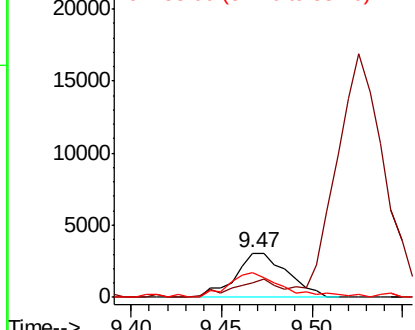
#49
1,4-Dioxane
Concen: 466.008 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 6077
Ion Ratio Lower Upper
88 100
43 36.4 27.6 41.4
58 58.6 54.1 81.1

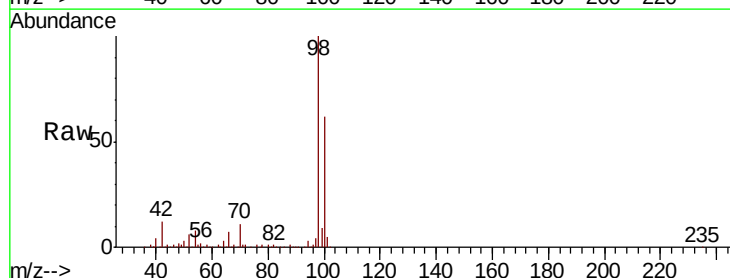


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

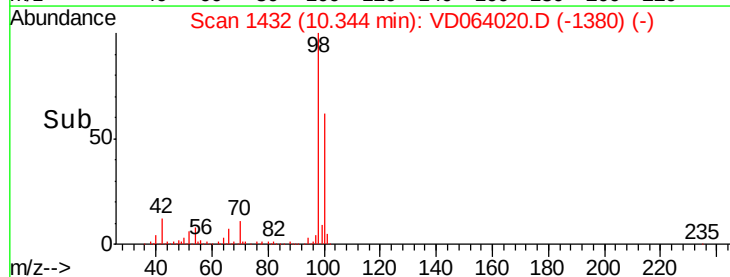
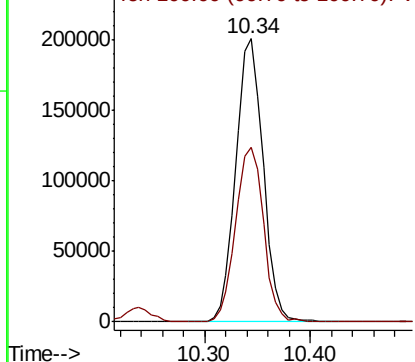


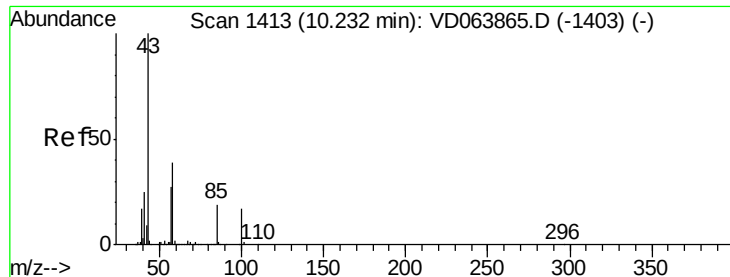
#50
Toluene-d8
Concen: 55.355 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion: 98 Resp: 359149
Ion Ratio Lower Upper
98 100
100 63.1 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 109.374 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

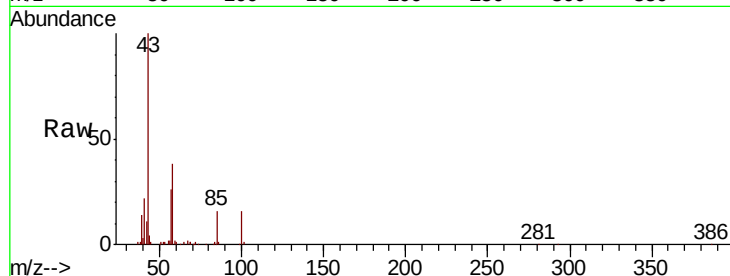
ClientSampleId :

Tot Ion: 43 Resp: 113768

Ion Ratio Lower Upper

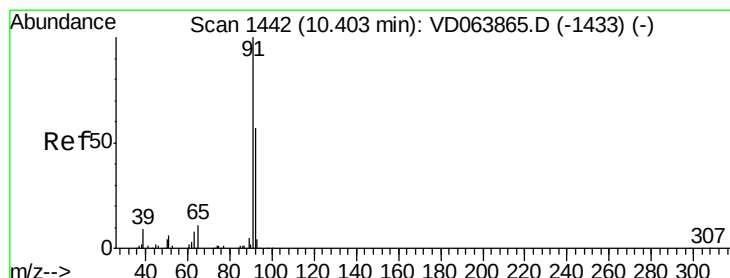
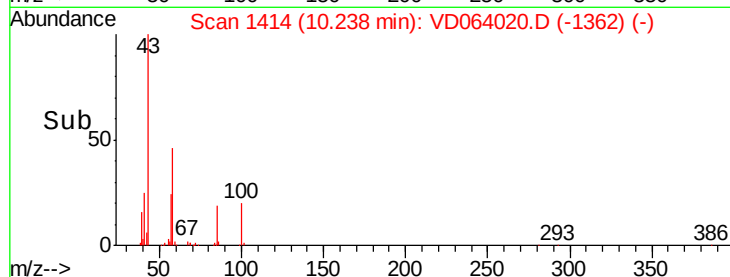
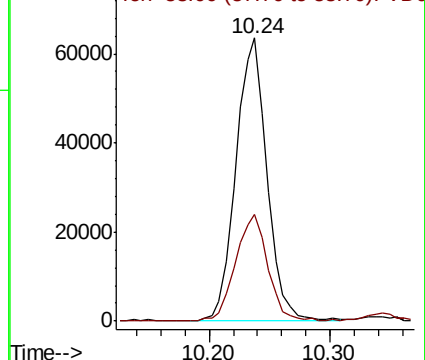
43 100

58 39.0 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.239 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD064020.D

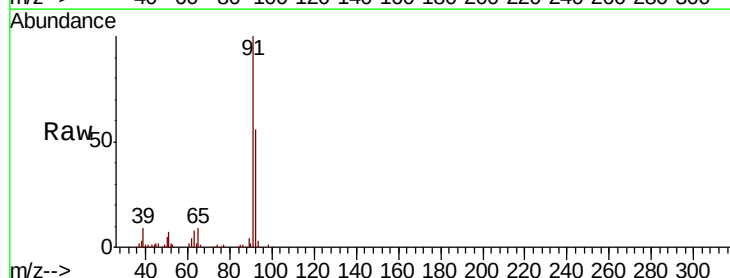
Acq: 23 Oct 2019 14:53

Tgt Ion: 92 Resp: 99926

Ion Ratio Lower Upper

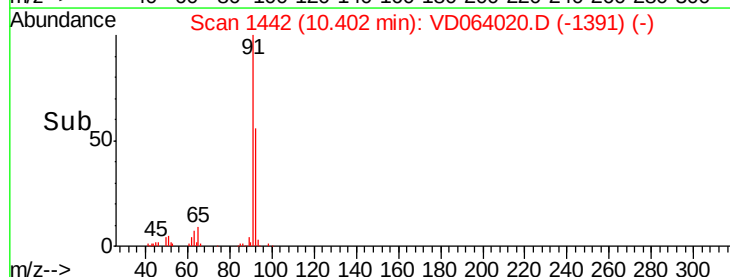
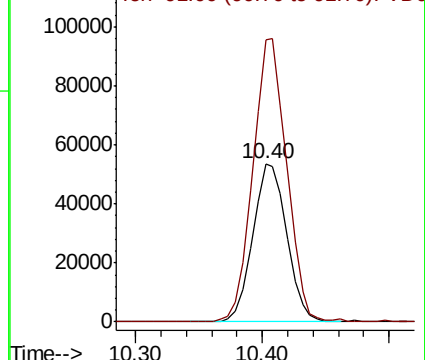
92 100

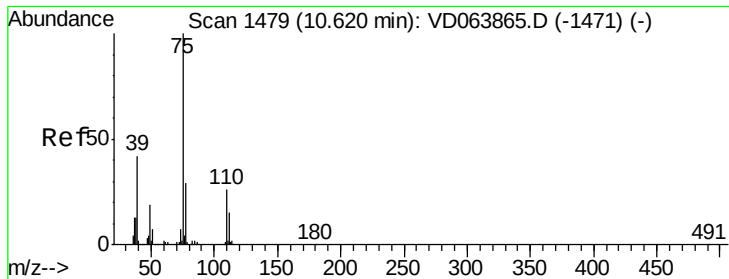
91 178.4 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

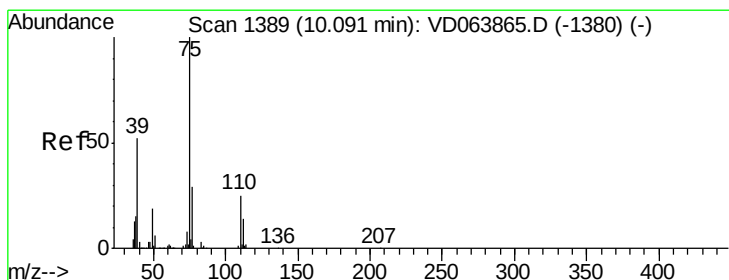
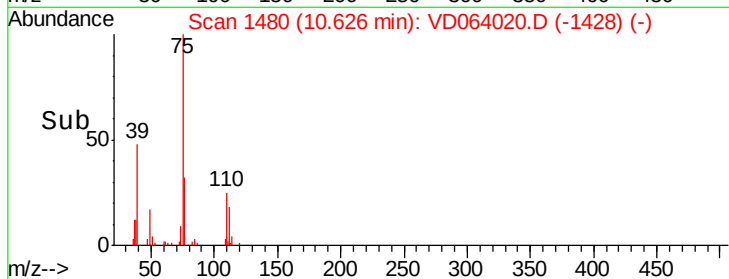
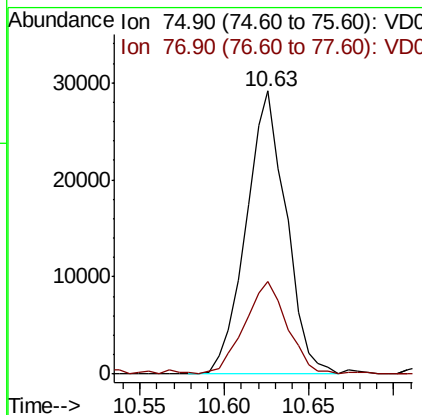
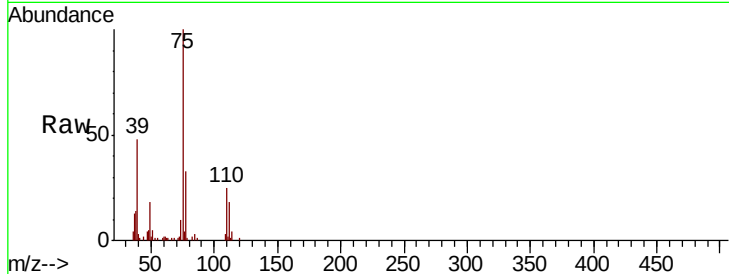




#53
 t-1,3-Dichloropropene
 Concen: 20.016 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

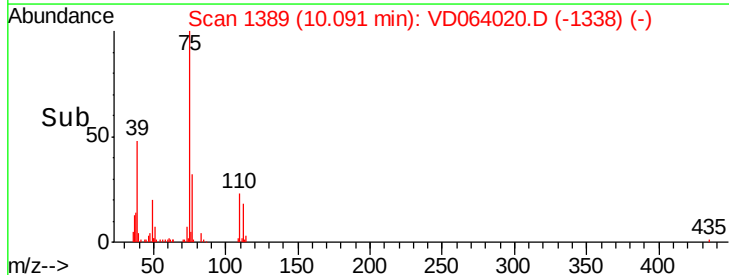
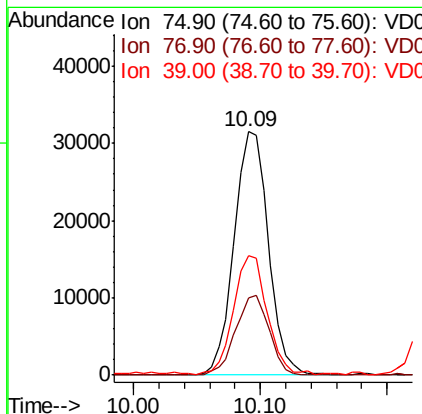
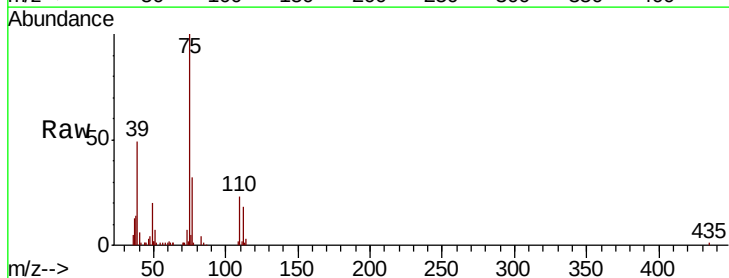
Instrument :
 MSVOA_D
 ClientSampleId :

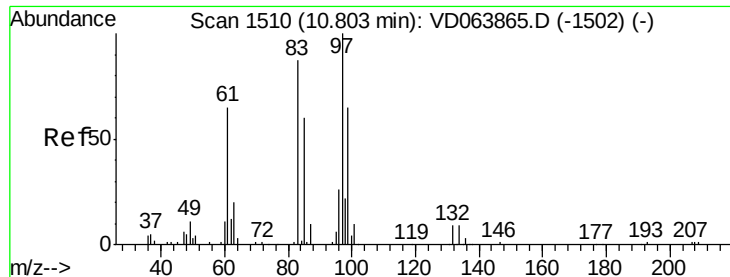
Tot Ion: 75 Resp: 48042
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.8 34.2



#54
 cis-1,3-Dichloropropene
 Concen: 21.353 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion: 75 Resp: 58997
 Ion Ratio Lower Upper
 75 100
 77 31.6 23.2 34.8
 39 48.3 41.5 62.3

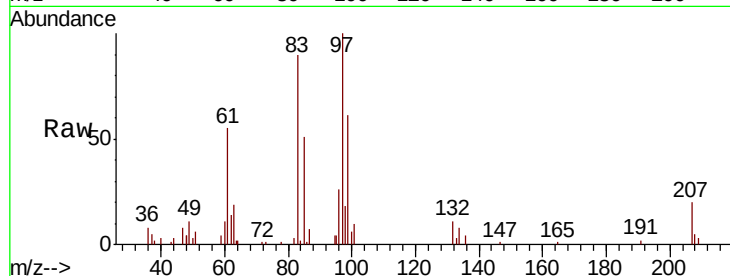




#55
 1,1,2-Trichloroethane
 Concen: 21.585 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.7	104.5
85	51.7	48.1	72.1
99	61.6	51.9	77.9



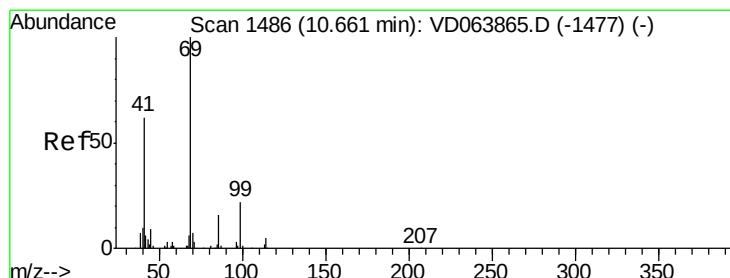
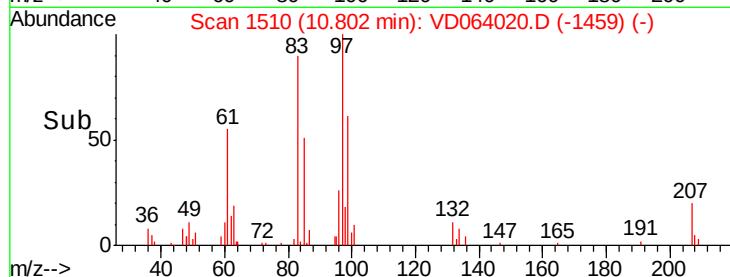
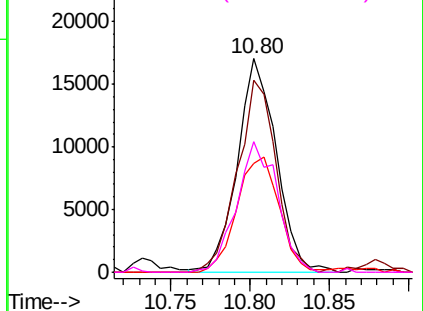
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

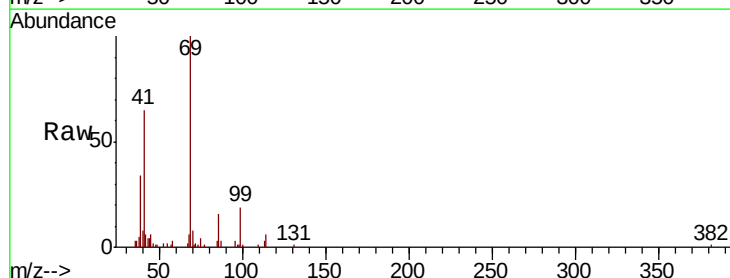
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 20.562 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.6	51.3	76.9
39	34.1	28.0	42.0

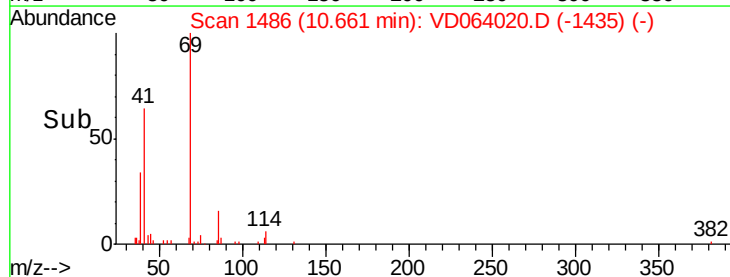
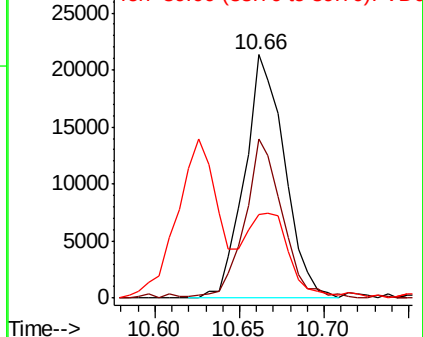


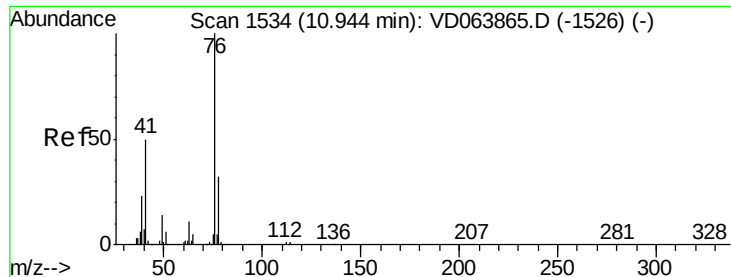
Abundance

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: 22.476 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

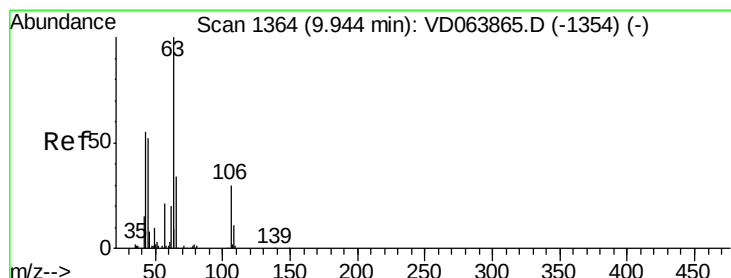
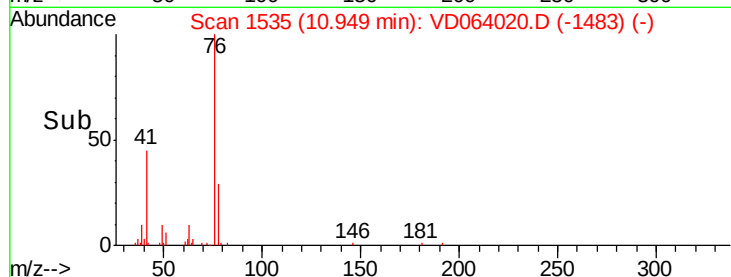
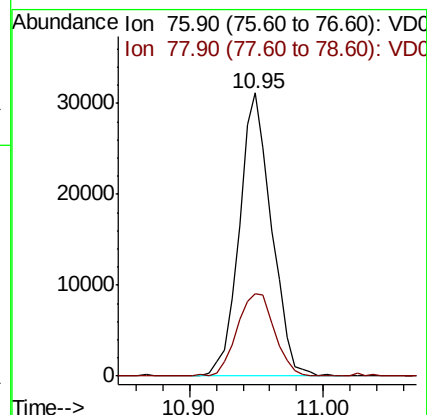
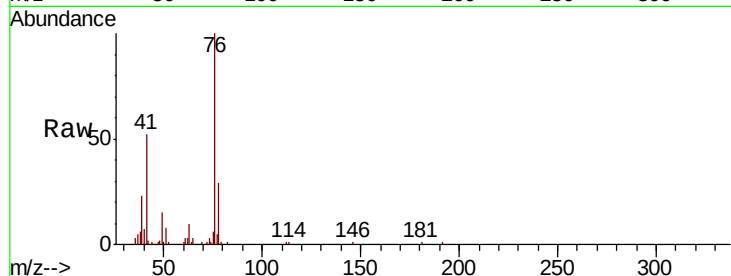
ClientSampleId :

Tot Ion: 76 Resp: 51873

Ion Ratio Lower Upper

76 100

78 33.8 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 101.749 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064020.D

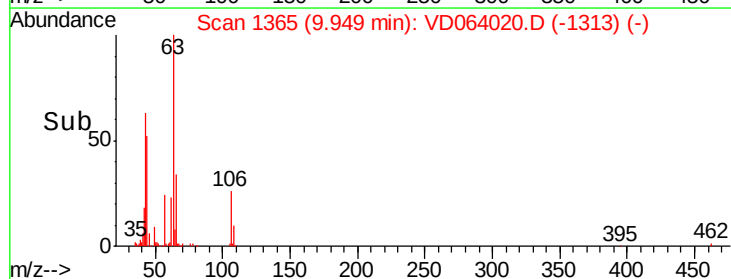
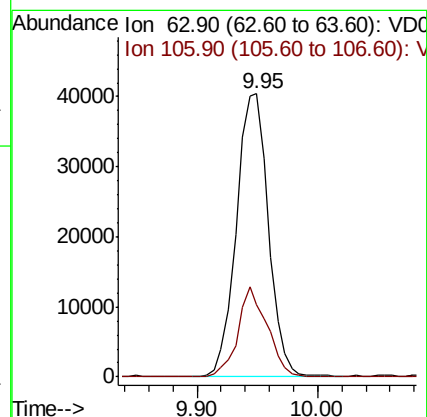
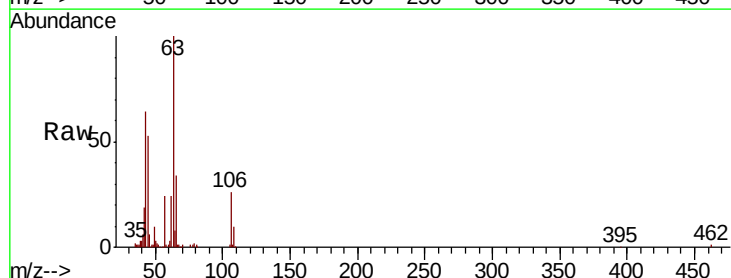
Acq: 23 Oct 2019 14:53

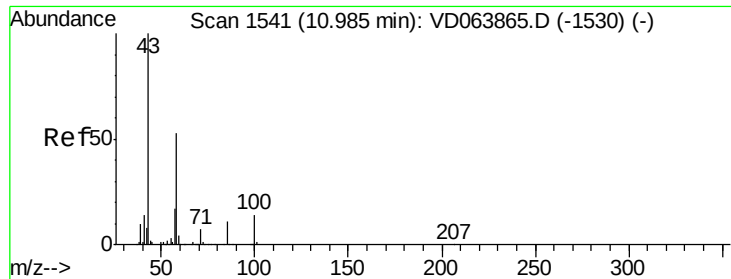
Tgt Ion: 63 Resp: 74710

Ion Ratio Lower Upper

63 100

106 29.1 24.3 36.5

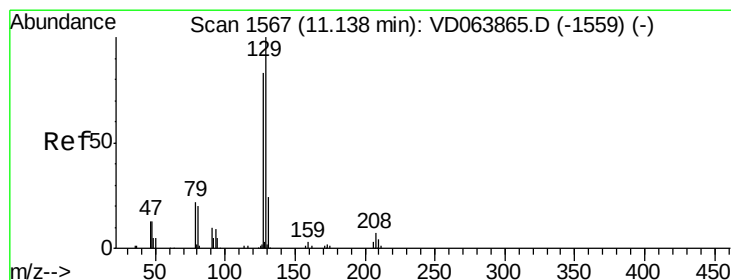
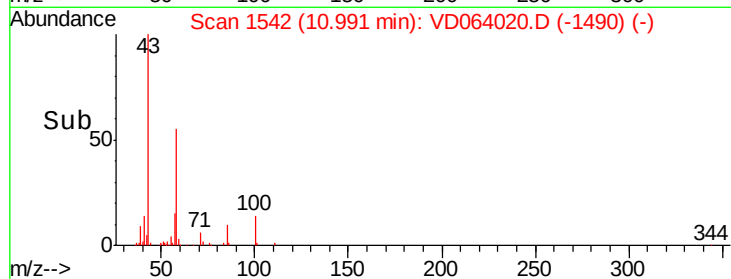
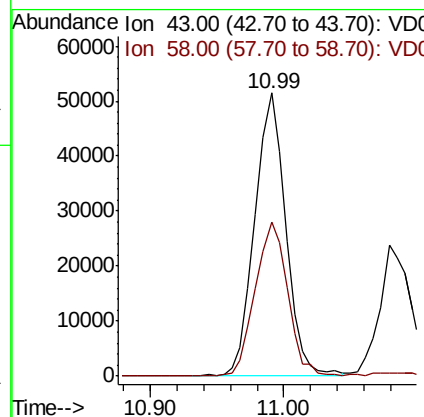
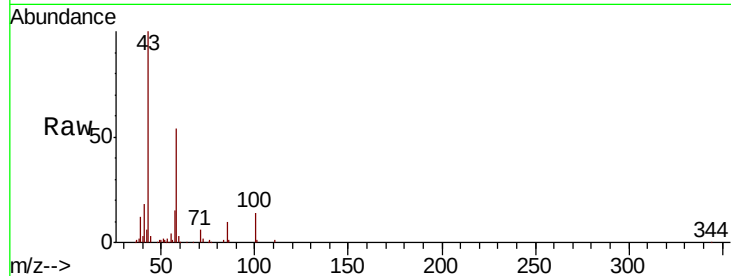




#59
2-Hexanone
Concen: 109.630 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

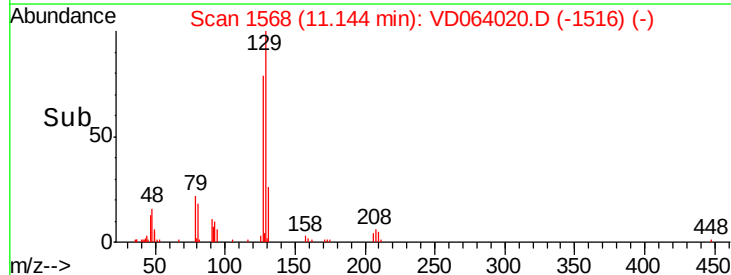
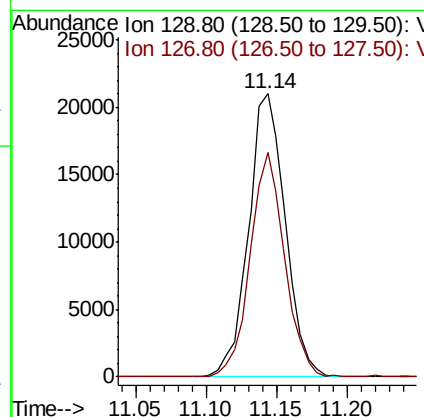
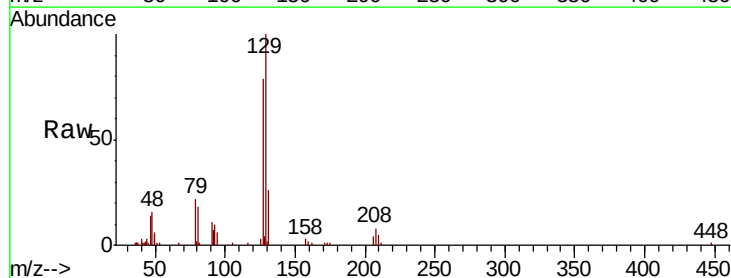
Instrument :
MSVOA_D
ClientSampled :

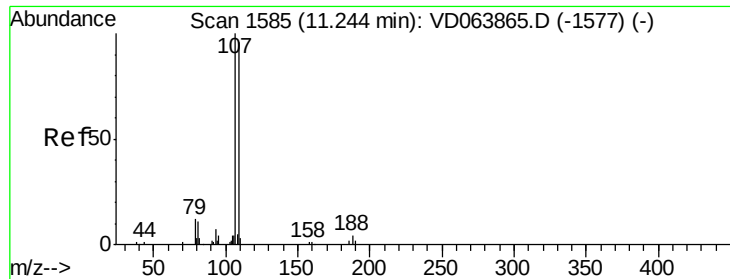
Tot Ion: 43 Resp: 82489
Ion Ratio Lower Upper
43 100
58 57.1 27.7 83.0



#60
Dibromochloromethane
Concen: 21.799 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion: 129 Resp: 38282
Ion Ratio Lower Upper
129 100
127 74.5 39.9 119.6

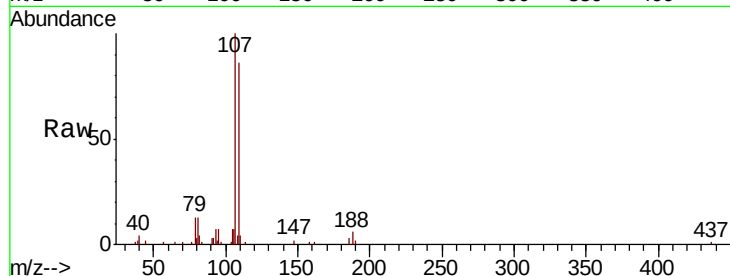




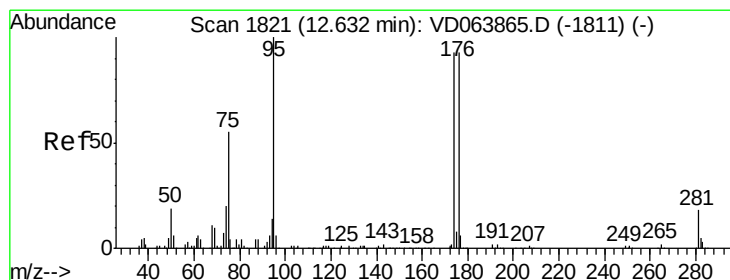
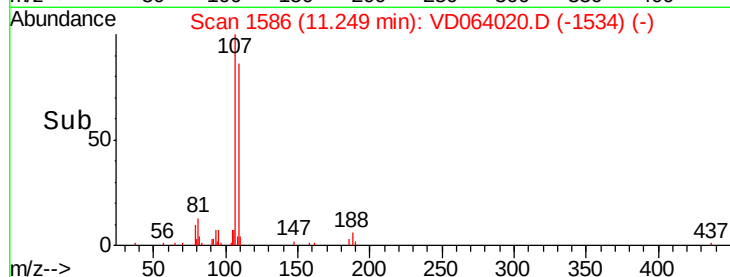
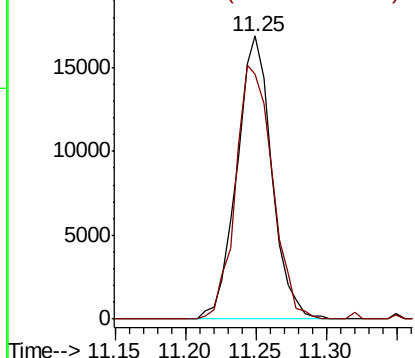
#61
 1,2-Dibromoethane
 Concen: 22.343 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:107 Resp: 29219
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.2 112.8

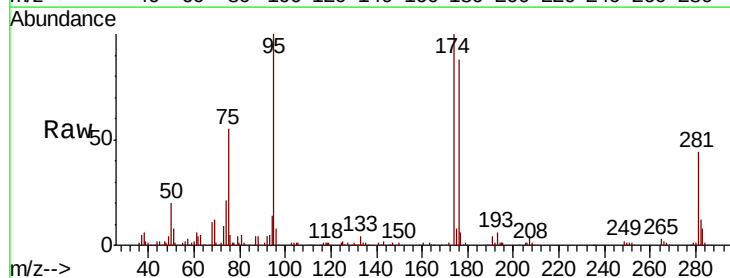


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

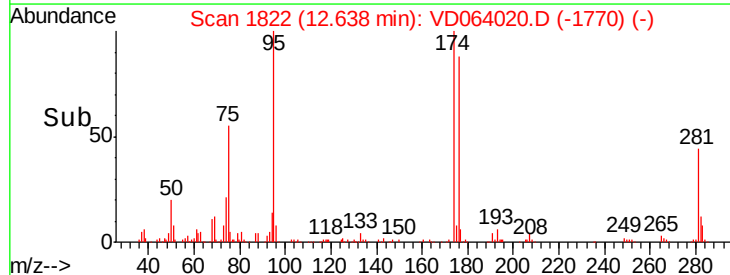
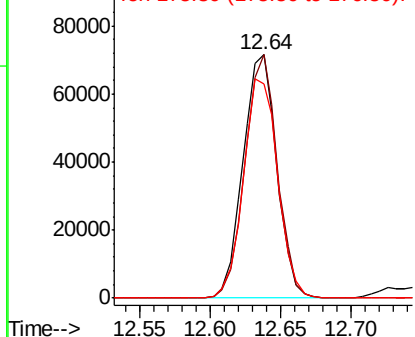


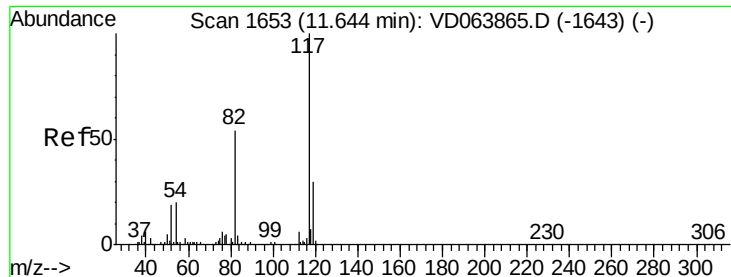
#62
 4-Bromofluorobenzene
 Concen: 53.232 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion: 95 Resp: 120018
 Ion Ratio Lower Upper
 95 100
 174 95.9 0.0 186.4
 176 91.5 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VDC
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

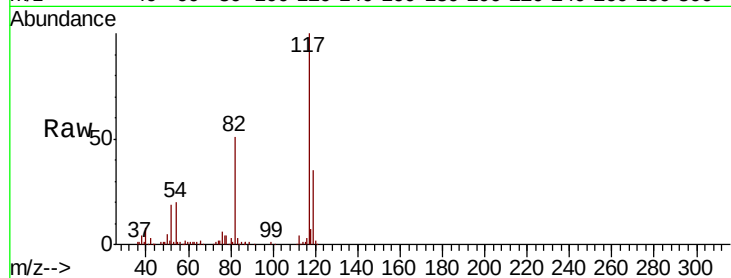




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.8	64.2
119	35.4	24.4	36.6

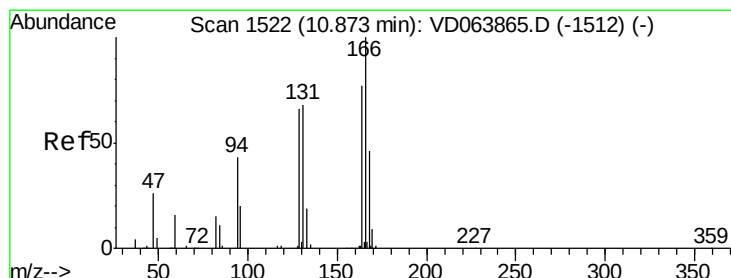
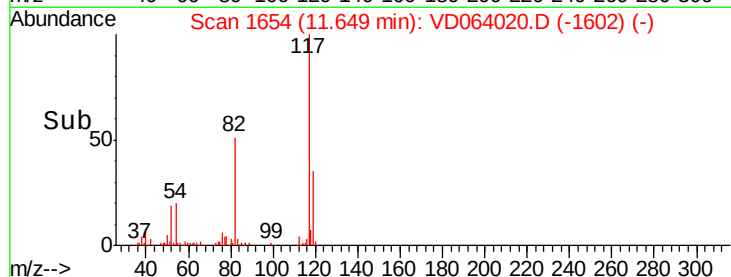
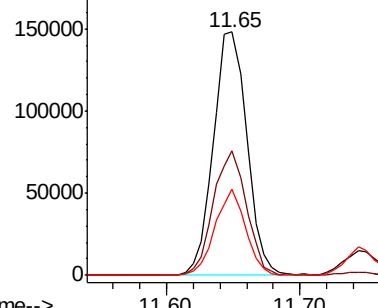


Abundance

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: 21.875 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	103.8	155.6
129	87.5	68.9	103.3
131	76.2	70.9	106.3

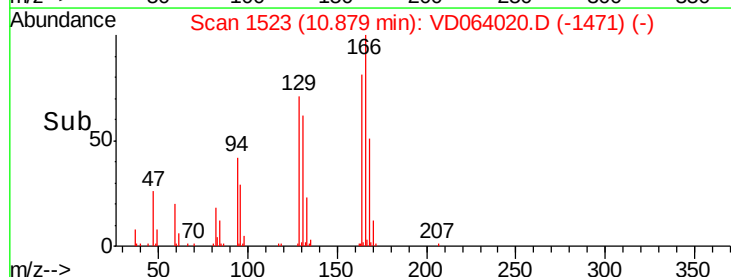
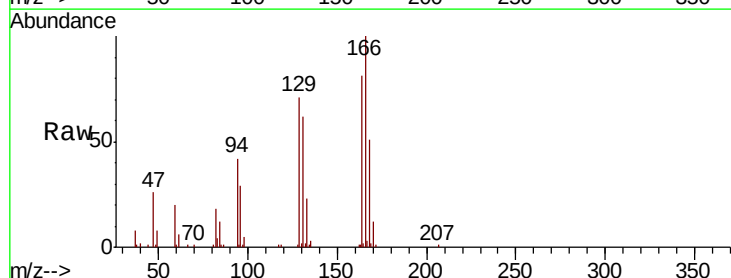
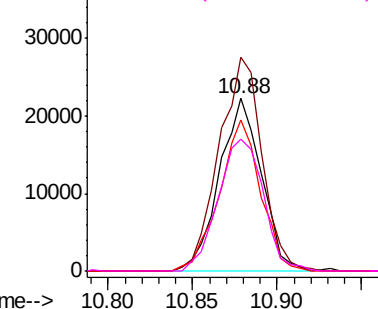
Abundance

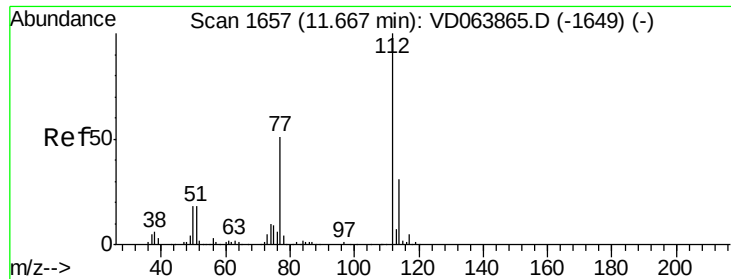
Ion 163.80 (163.50 to 164.50): V

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

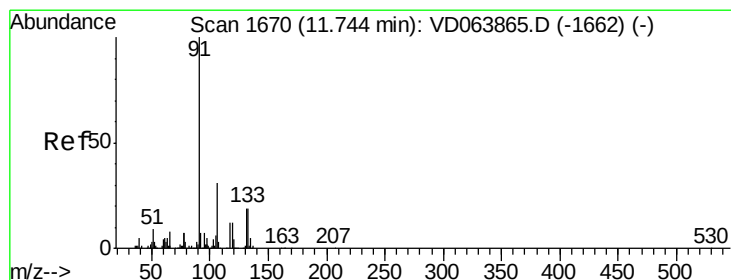
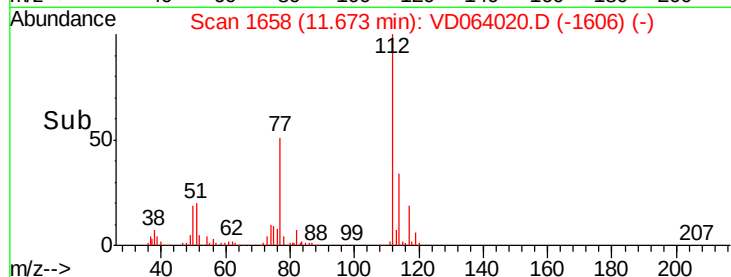
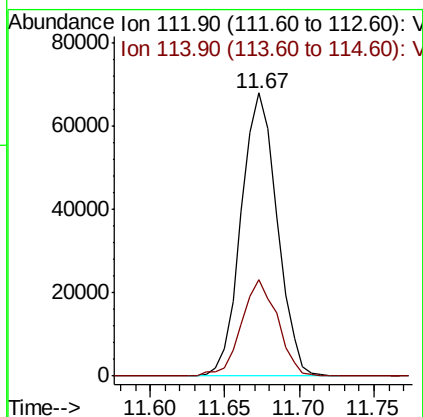
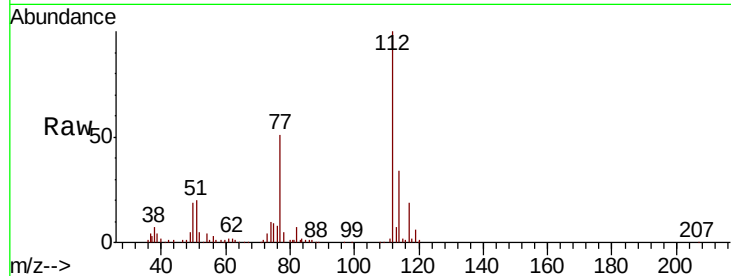




#65
Chlorobenzene
Concen: 21.955 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

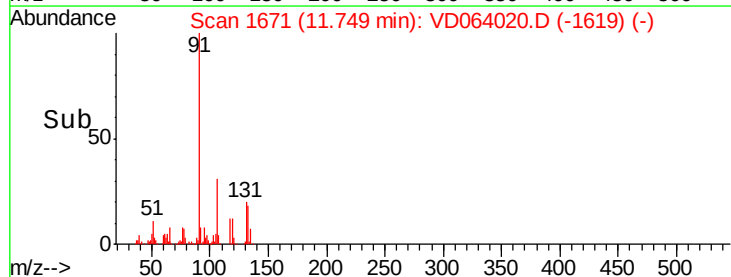
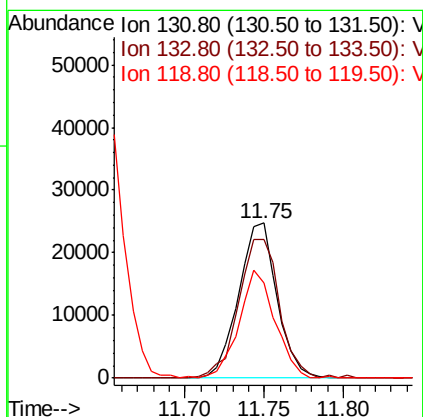
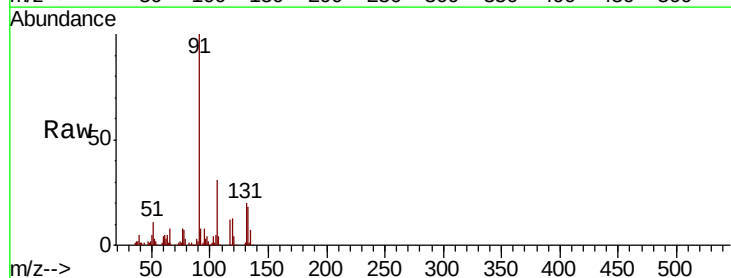
Instrument :
MSVOA_D
ClientSampleId :

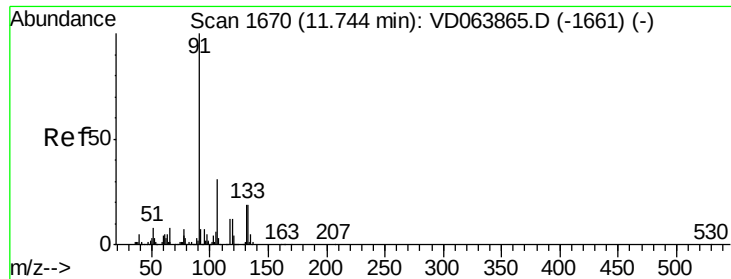
Tot Ion:112 Resp: 113618
Ion Ratio Lower Upper
112 100
114 34.3 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.786 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion:131 Resp: 41542
Ion Ratio Lower Upper
131 100
133 95.9 48.9 146.7
119 65.2 32.6 97.8

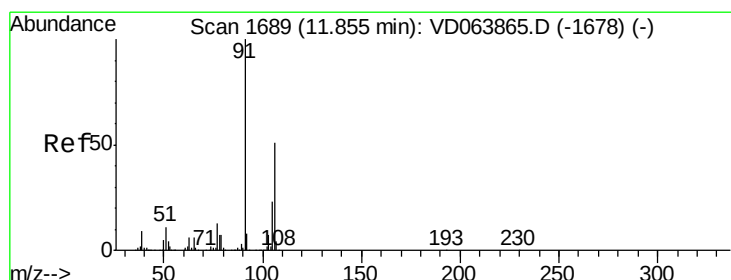
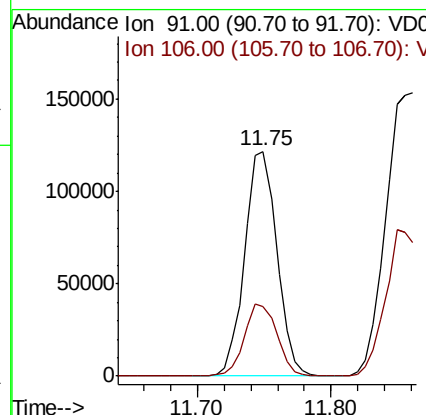
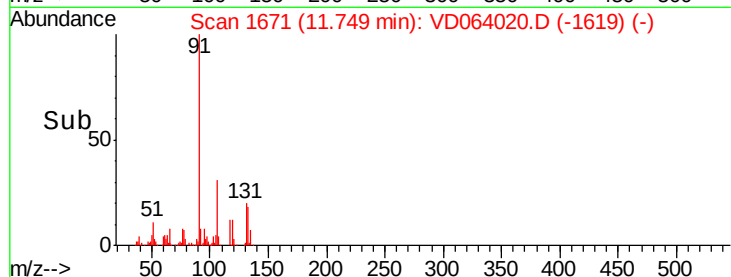
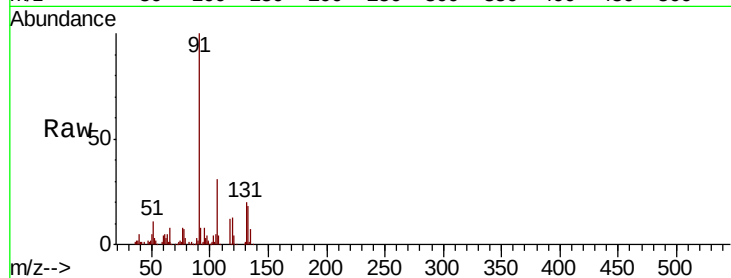




#67
Ethyl Benzene
Concen: 21.798 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

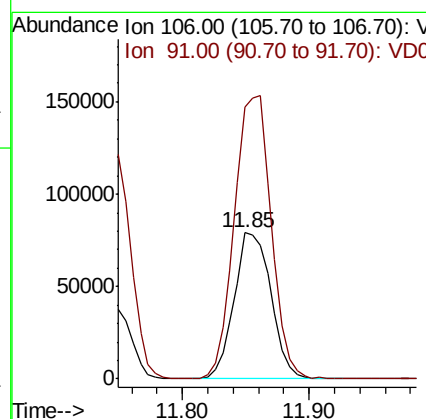
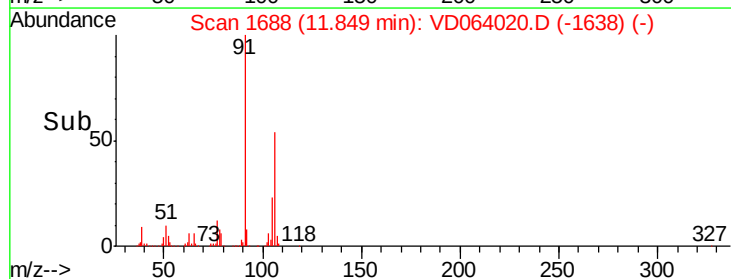
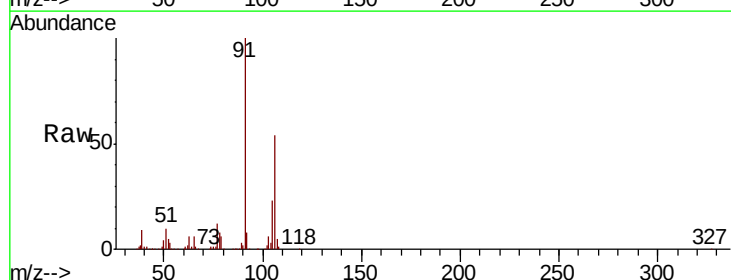
Instrument :
MSVOA_D
ClientSampleId :

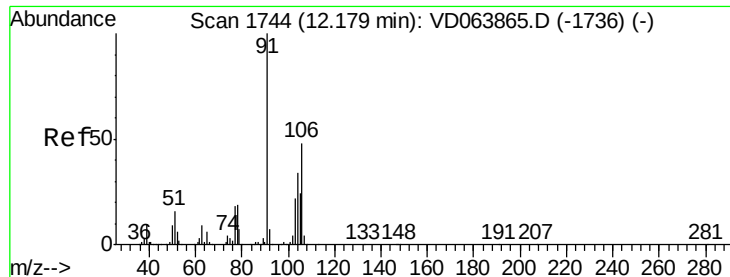
Tot Ion: 91 Resp: 203404
Ion Ratio Lower Upper
91 100
106 31.3 24.6 37.0



#68
m/p-Xylenes
Concen: 44.155 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion: 106 Resp: 159034
Ion Ratio Lower Upper
106 100
91 193.2 154.8 232.2

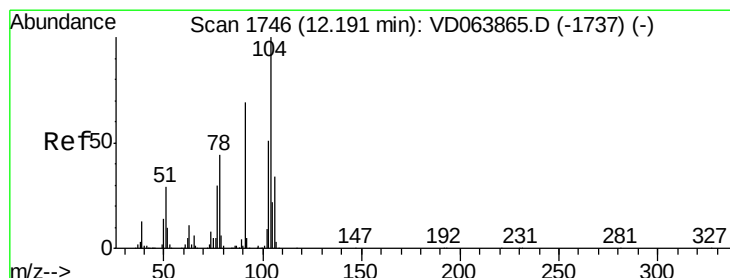
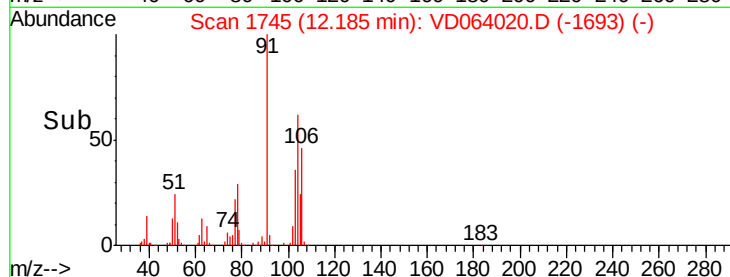
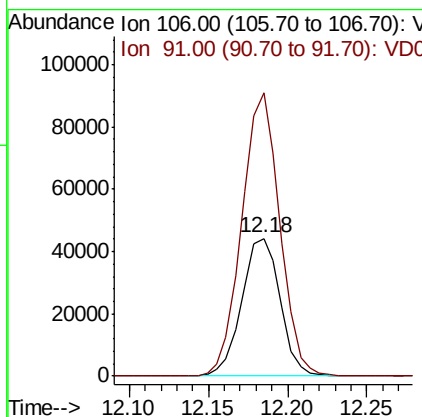
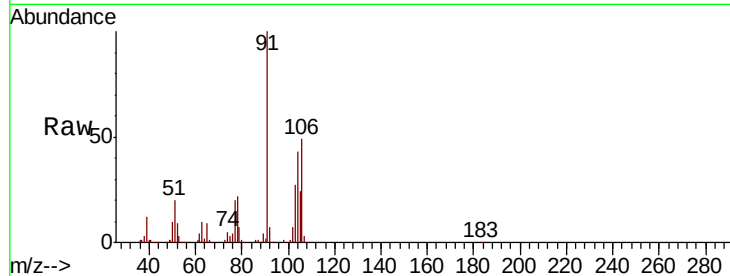




#69
o-Xylene
Concen: 21.548 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

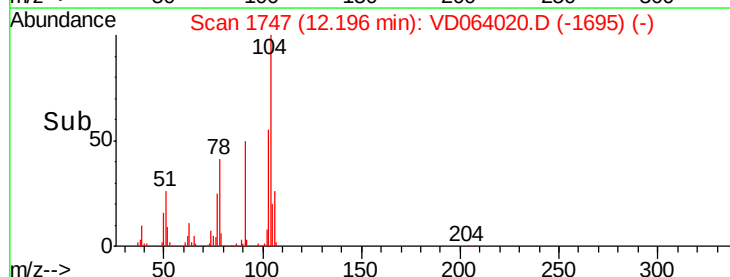
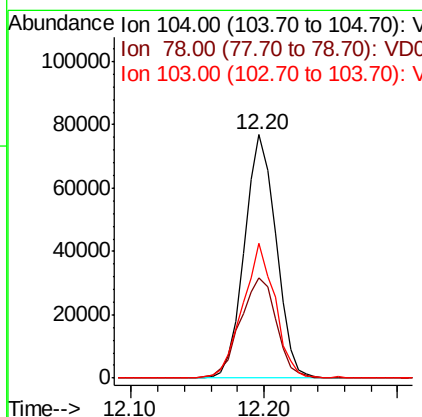
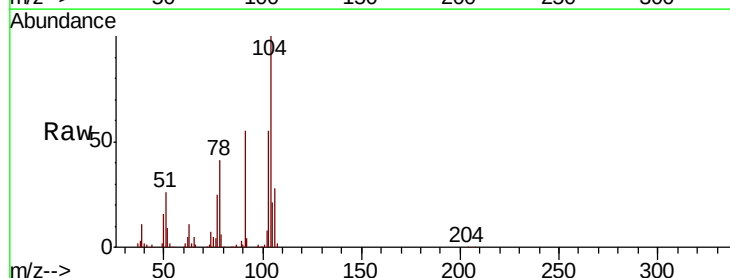
Instrument :
MSVOA_D
ClientSampled :

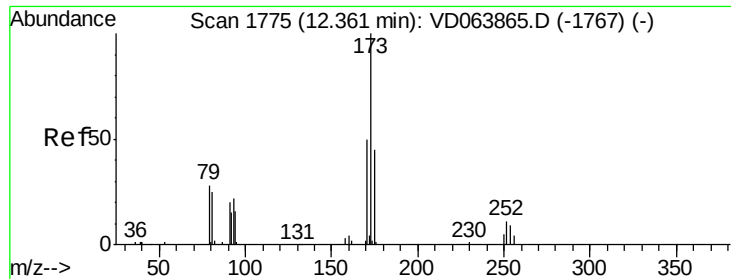
Tot Ion:106 Resp: 74313
Ion Ratio Lower Upper
106 100
91 203.7 103.9 311.7



#70
Styrene
Concen: 21.515 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion:104 Resp: 125613
Ion Ratio Lower Upper
104 100
78 47.0 37.0 55.4
103 56.5 44.2 66.4





#71

Bromoform

Concen: 21.080 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

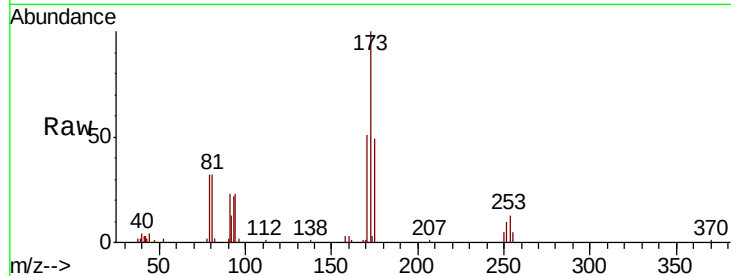
Tot Ion:173 Resp: 21572

Ion Ratio Lower Upper

173 100

175 51.9 24.6 74.0

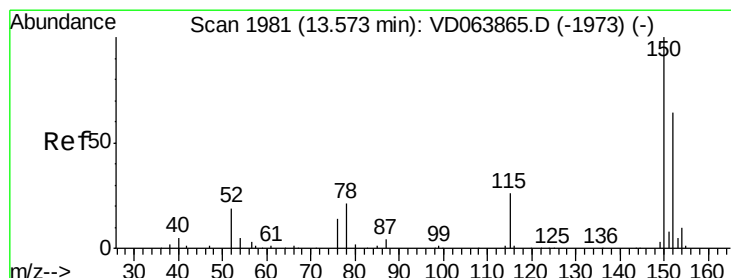
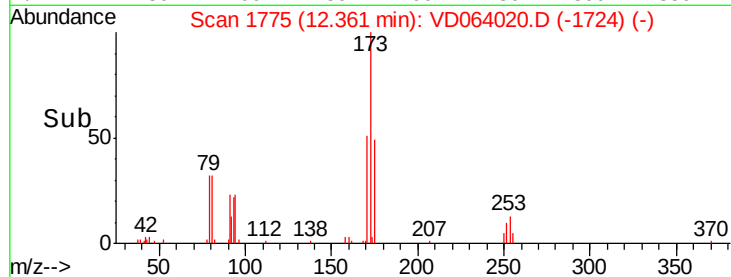
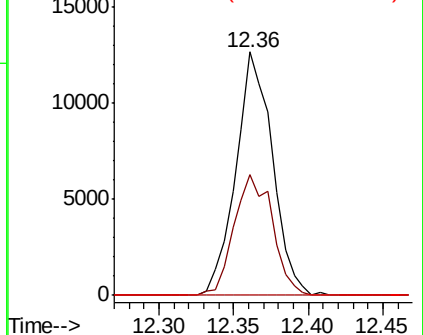
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

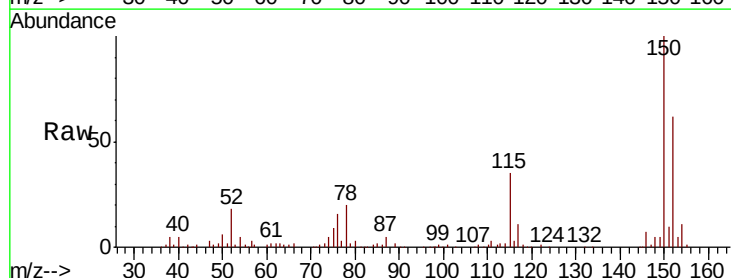
Tgt Ion:152 Resp: 141751

Ion Ratio Lower Upper

152 100

115 54.9 25.9 77.7

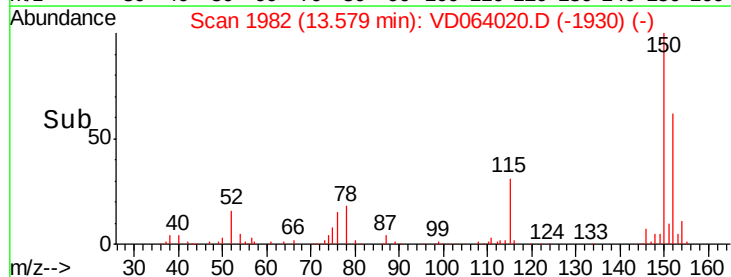
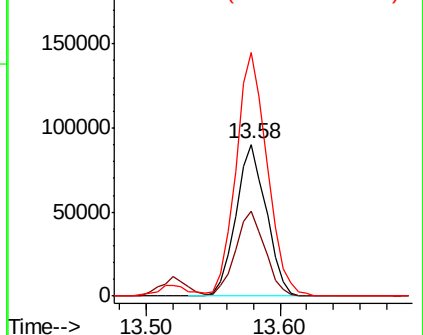
150 165.2 0.0 344.2

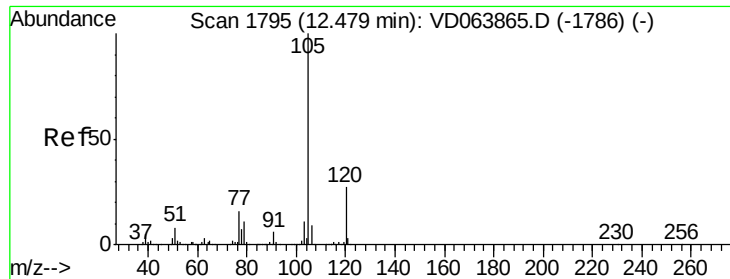


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.678 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

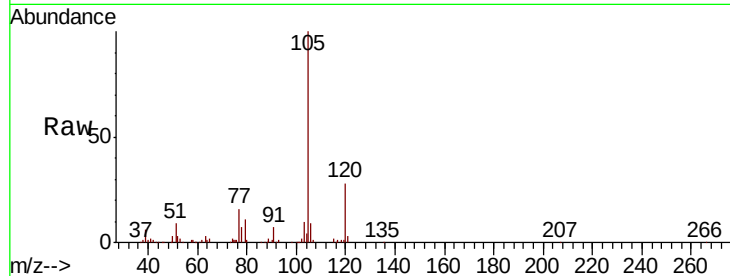
ClientSampleId :

Tot Ion:105 Resp: 206575

Ion Ratio Lower Upper

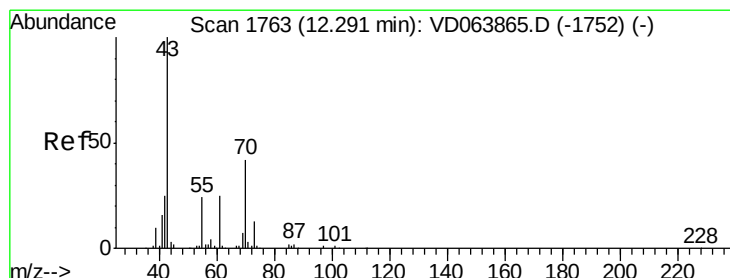
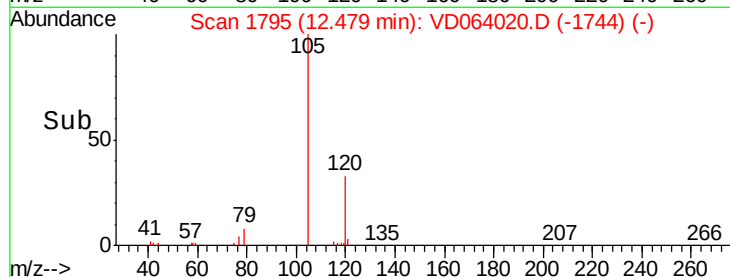
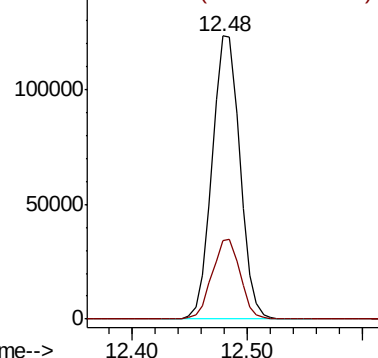
105 100

120 28.5 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: 19.866 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Tgt Ion: 43 Resp: 40758

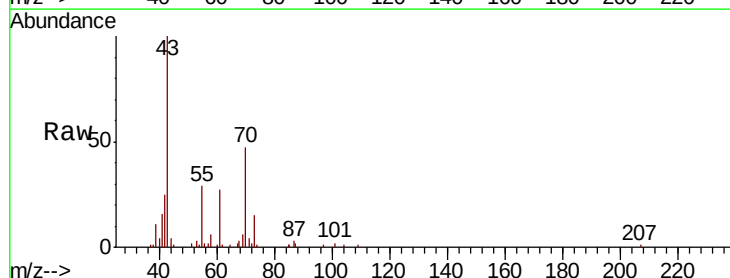
Ion Ratio Lower Upper

43 100

70 46.4 35.8 53.6

55 25.7 19.4 29.0

61 23.3 20.4 30.6

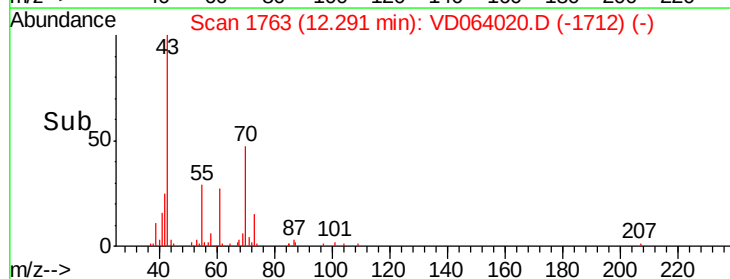
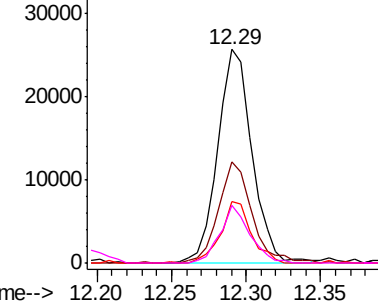


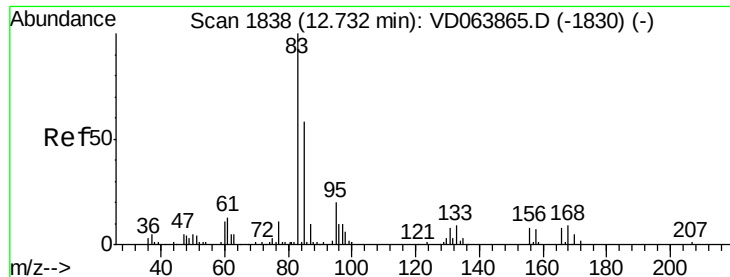
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.938 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

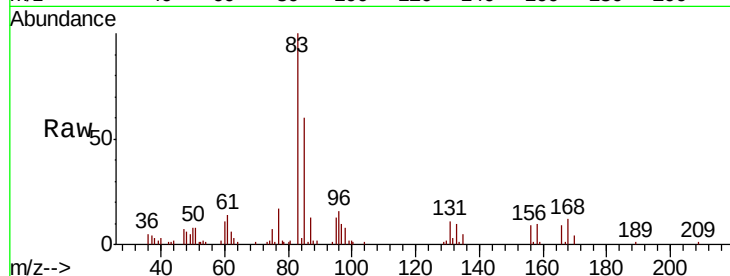
Tot Ion: 83 Resp: 36378

Ion Ratio Lower Upper

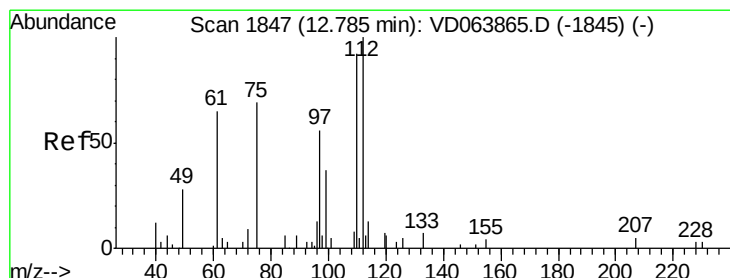
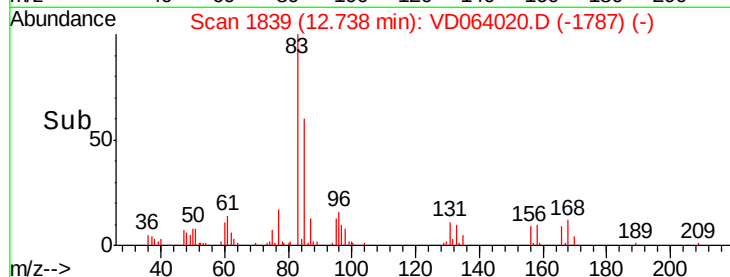
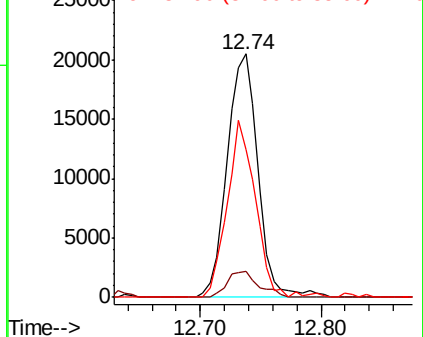
83 100

131 10.8 5.6 16.8

85 65.5 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 47.624 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064020.D

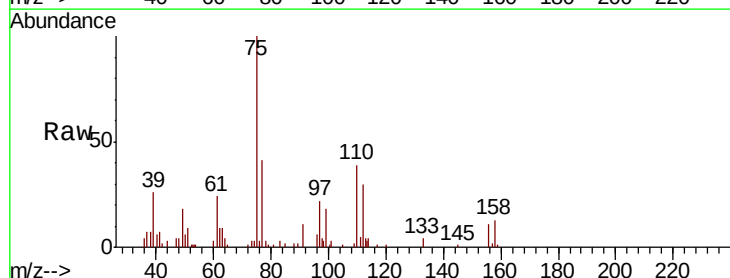
Acq: 23 Oct 2019 14:53

Tgt Ion: 75 Resp: 45215

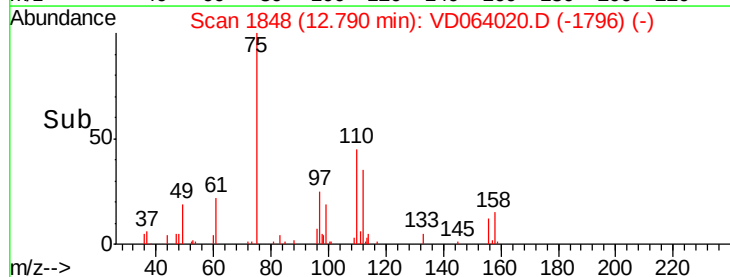
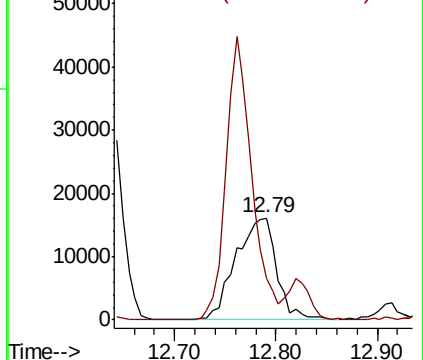
Ion Ratio Lower Upper

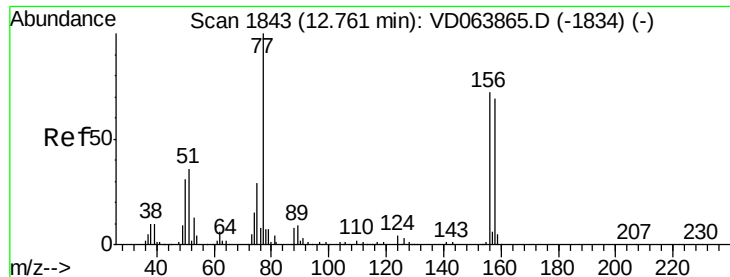
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 21.797 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

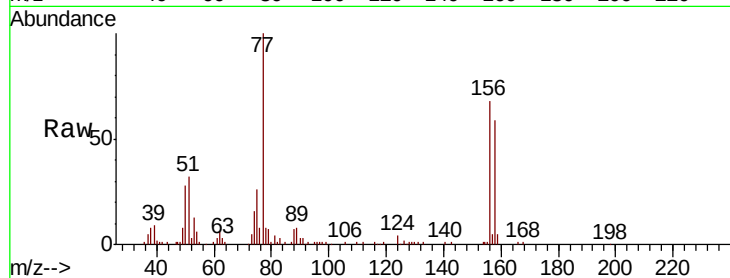
Tot Ion:156 Resp: 51748

Ion Ratio Lower Upper

156 100

77 153.0 80.3 241.0

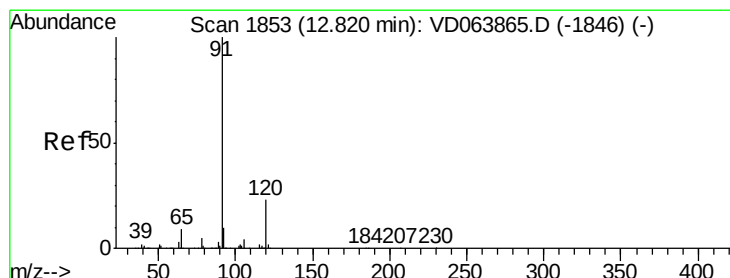
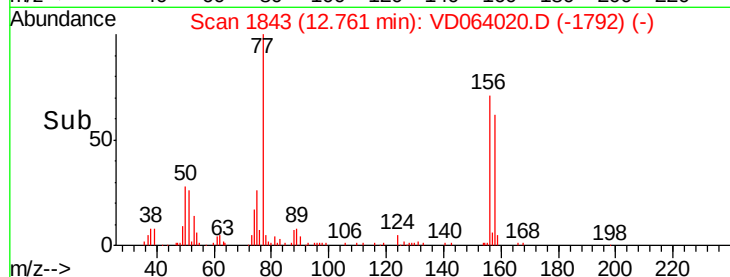
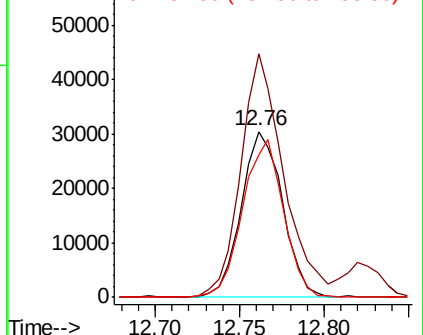
158 94.7 47.4 142.2



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: 21.753 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD064020.D

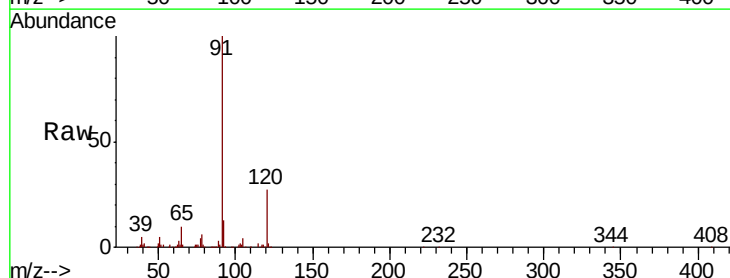
Acq: 23 Oct 2019 14:53

Tgt Ion: 91 Resp: 243311

Ion Ratio Lower Upper

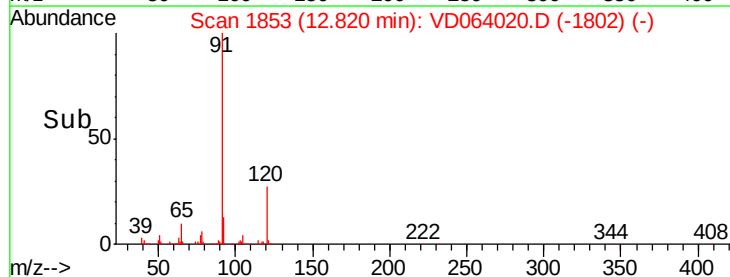
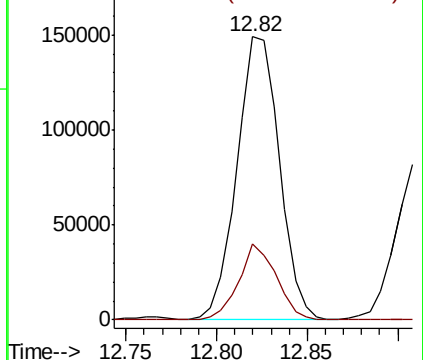
91 100

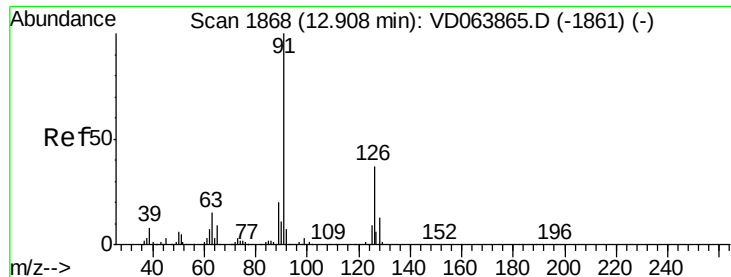
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

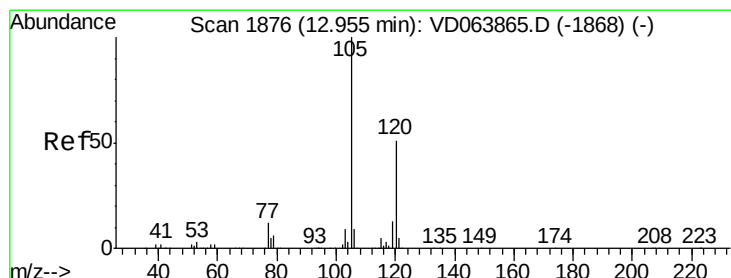
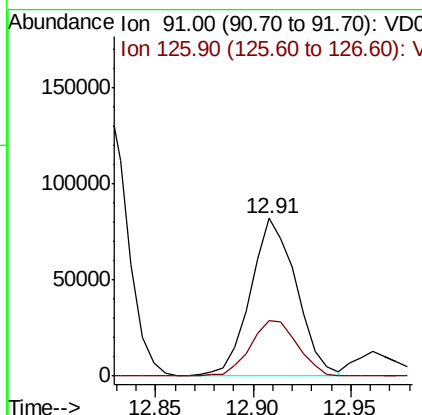
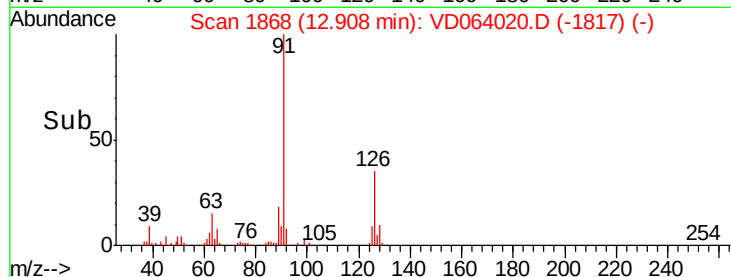
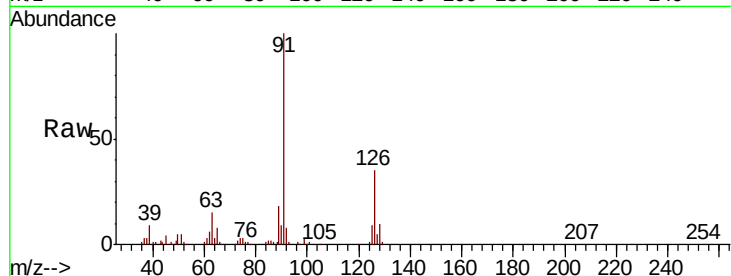




#79
2-Chlorotoluene
Concen: 21.699 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

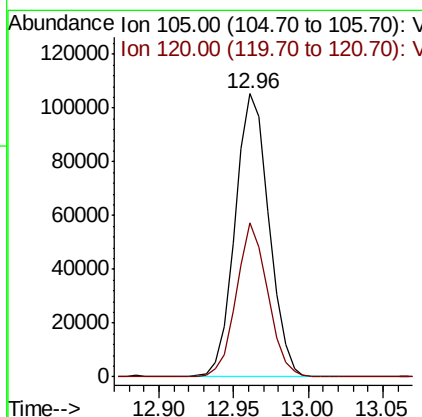
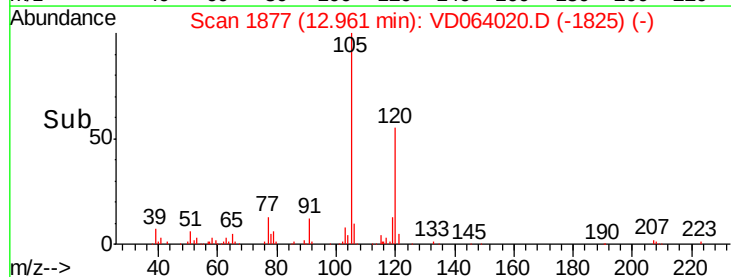
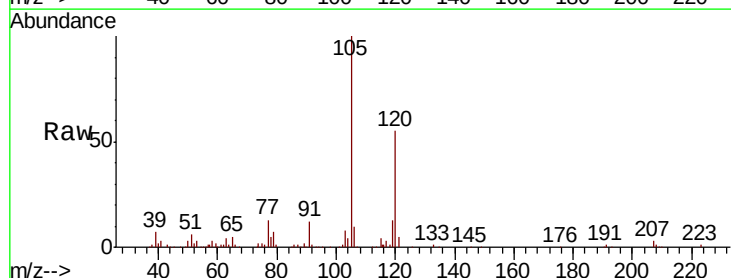
Instrument :
MSVOA_D
ClientSampleId :

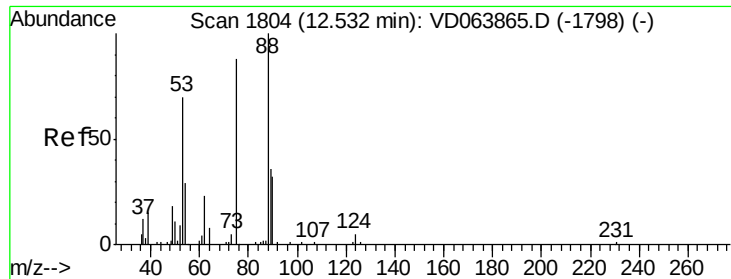
Tot Ion: 91 Resp: 133832
Ion Ratio Lower Upper
91 100
126 36.4 18.4 55.2



#80
1,3,5-Trimethylbenzene
Concen: 20.961 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion:105 Resp: 166637
Ion Ratio Lower Upper
105 100
120 50.5 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.097 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

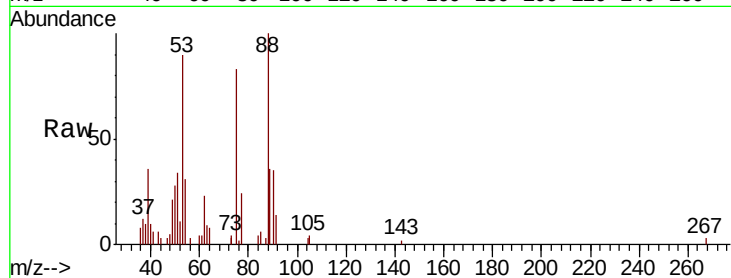
Tot Ion: 75 Resp: 9709

Ion Ratio Lower Upper

75 100

53 109.6 75.0 112.6

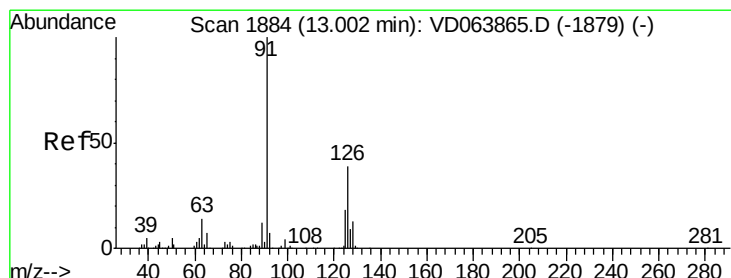
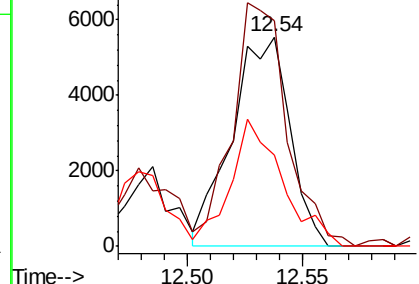
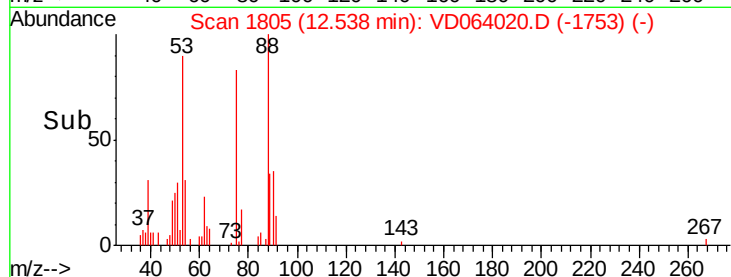
89 54.6 38.2 57.4



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: 21.021 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD064020.D

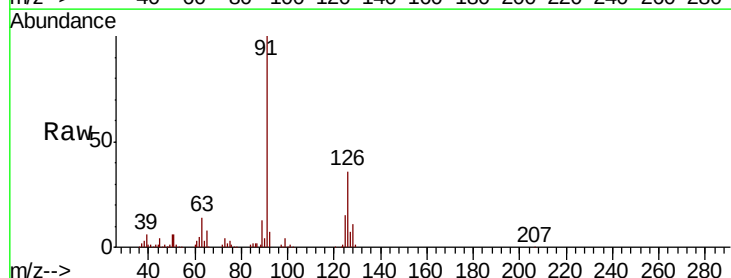
Acq: 23 Oct 2019 14:53

Tgt Ion: 91 Resp: 137532

Ion Ratio Lower Upper

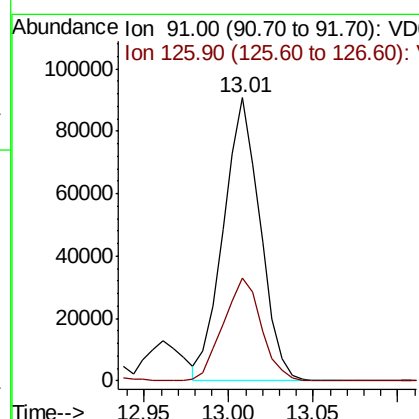
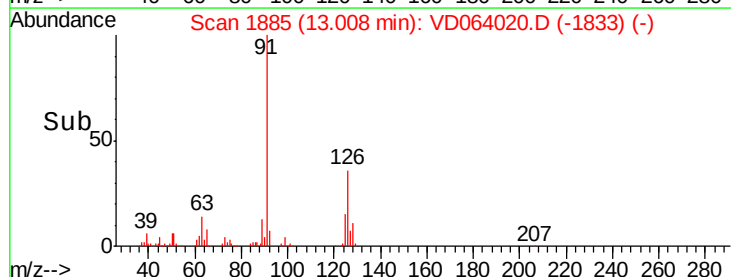
91 100

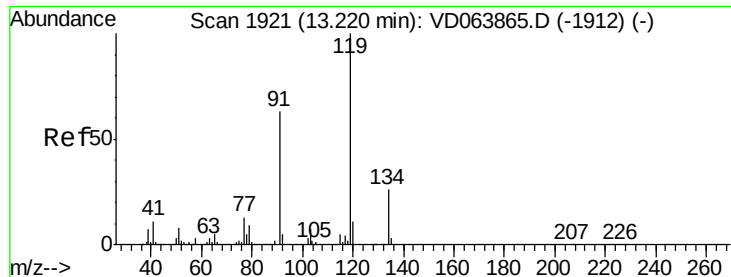
126 37.7 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

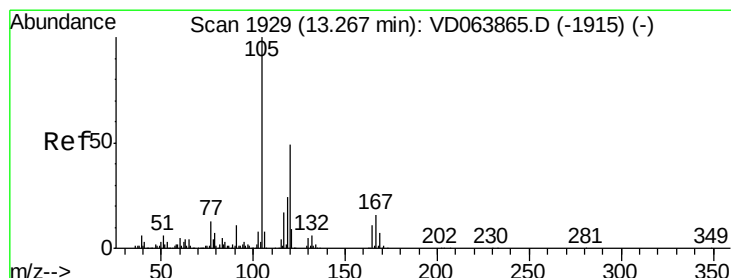
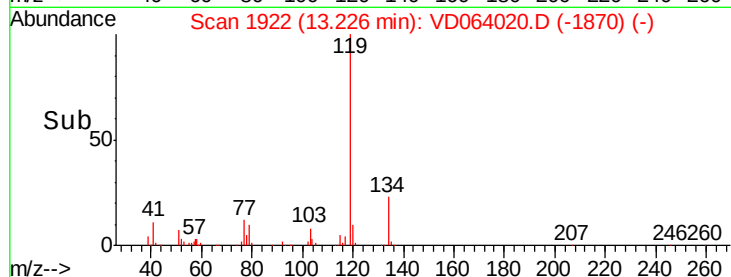
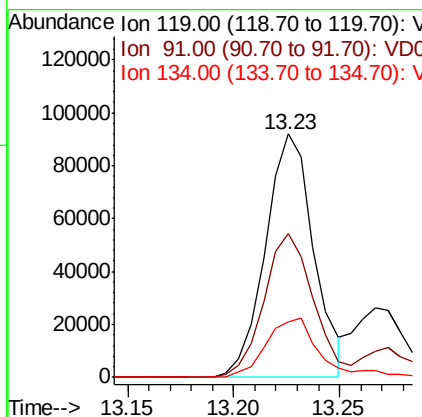
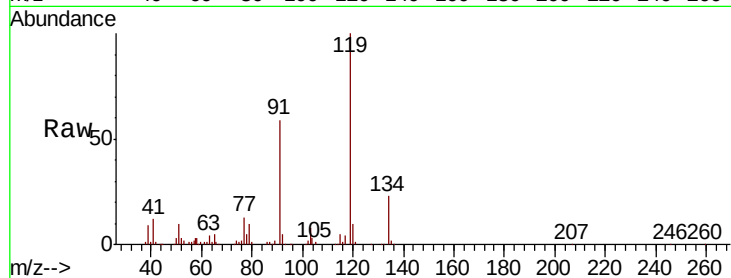




#83
 tert-Butylbenzene
 Concen: 20.696 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

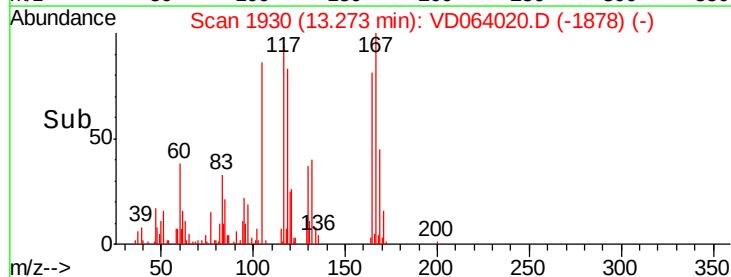
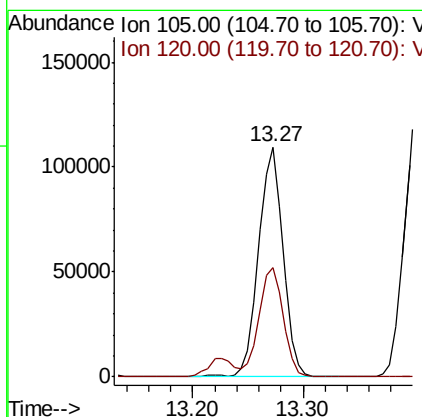
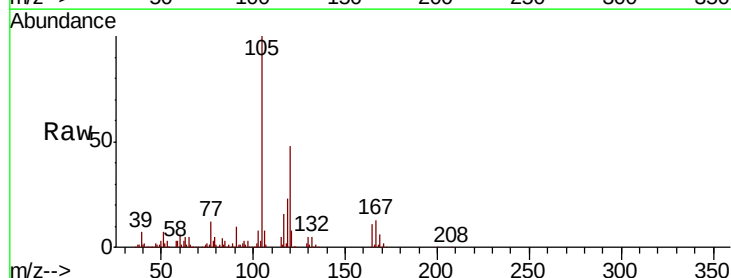
Instrument :
 MSVOA_D
 ClientSampled :

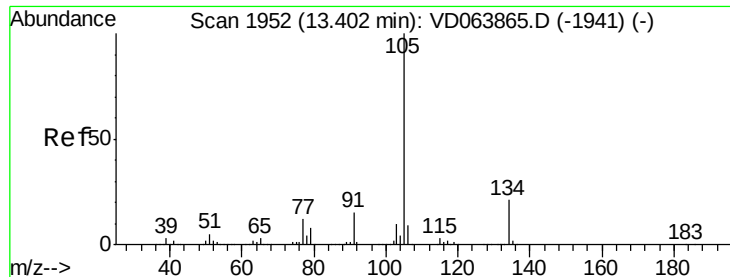
Tot Ion:119 Resp: 146429
 Ion Ratio Lower Upper
 119 100
 91 60.7 30.0 90.0
 134 27.0 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.927 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion:105 Resp: 171516
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.8 71.5





#85

sec-Butylbenzene

Concen: 22.333 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

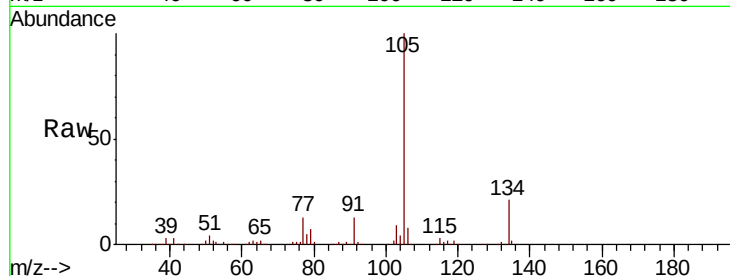
ClientSampleId :

Tot Ion:105 Resp: 213394

Ion Ratio Lower Upper

105 100

134 21.1 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

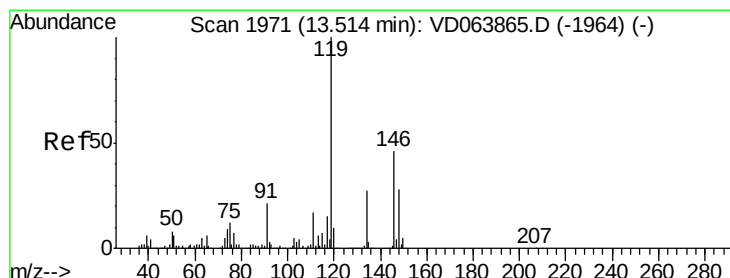
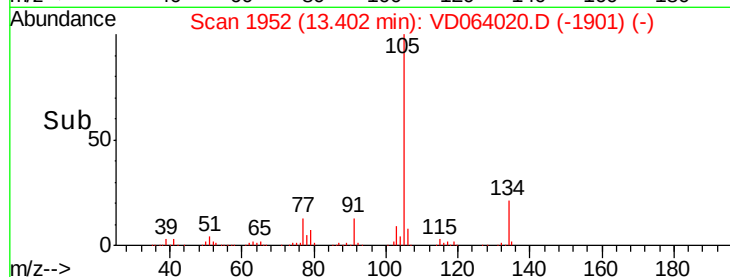
150000

100000

50000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 21.160 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

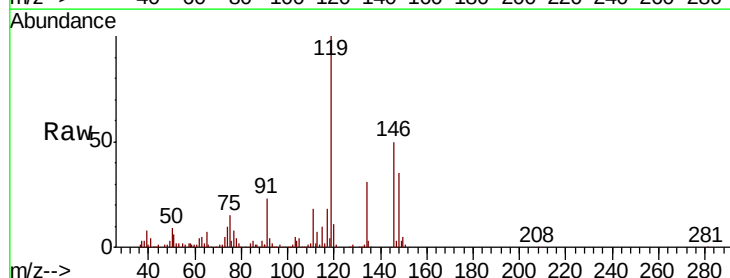
Tgt Ion:119 Resp: 191316

Ion Ratio Lower Upper

119 100

134 27.9 13.9 41.6

91 22.5 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

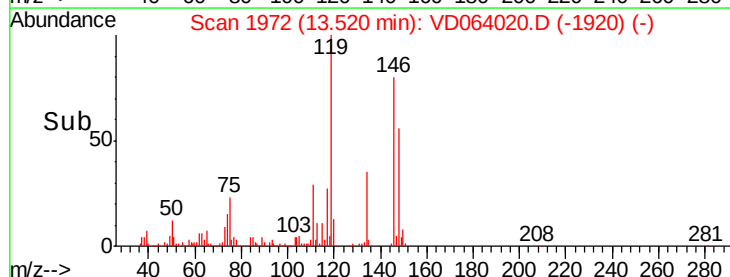
150000

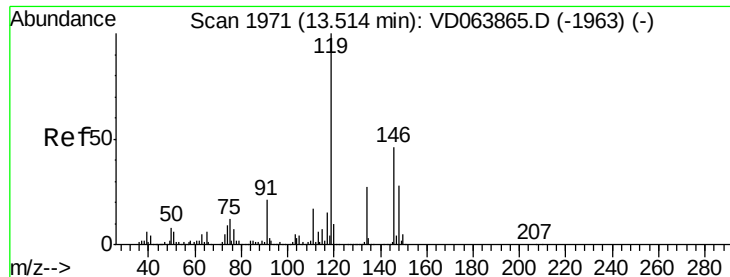
100000

50000

0

Time--> 13.45 13.55

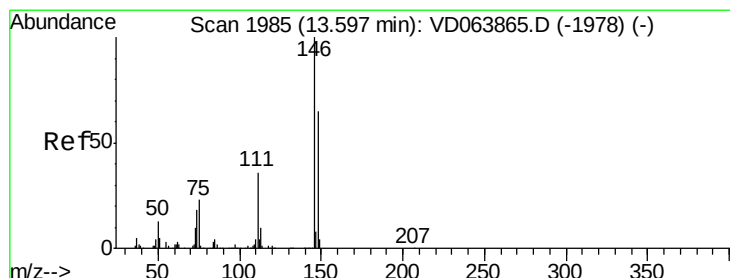
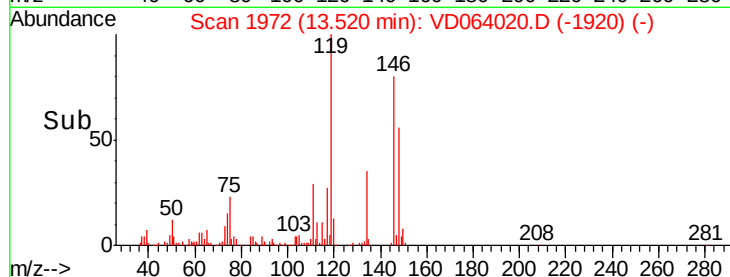
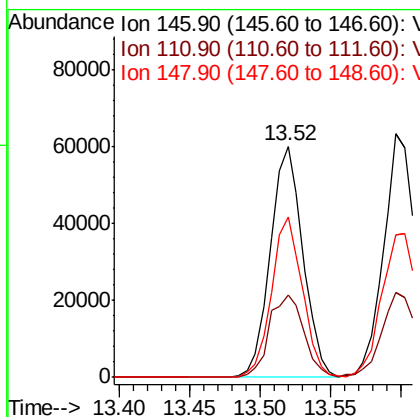
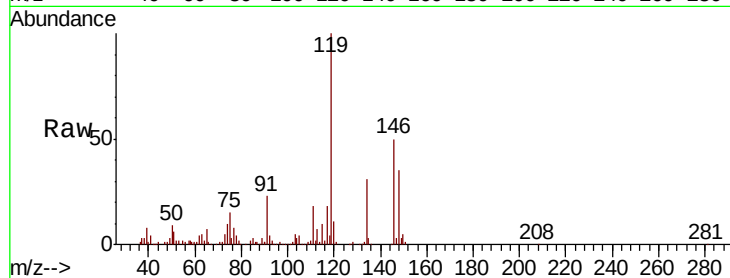




#87
 1,3-Dichlorobenzene
 Concen: 20.749 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

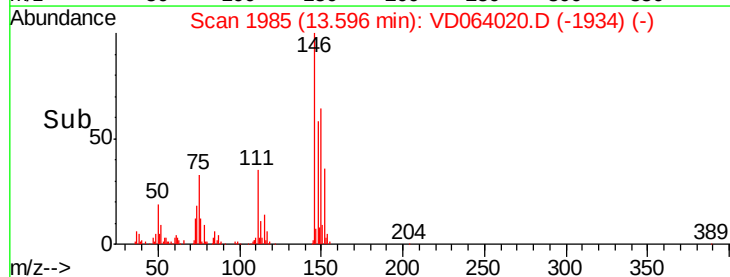
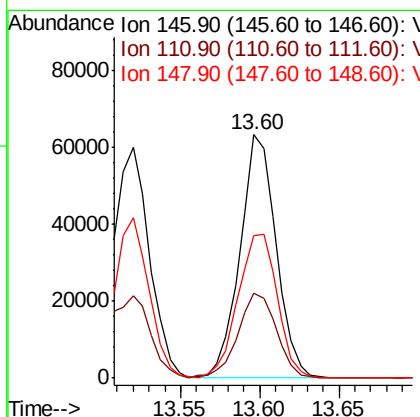
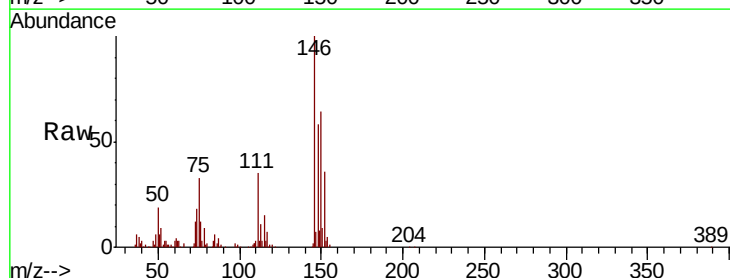
Instrument :
 MSVOA_D
 ClientSampleId :

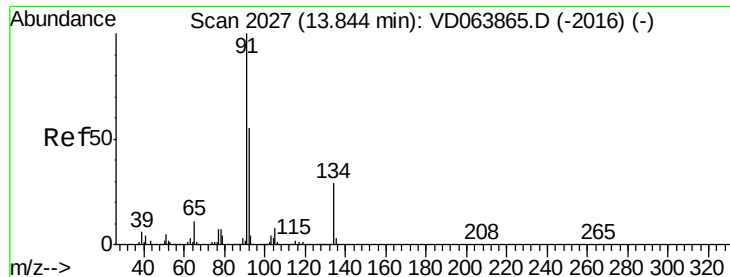
Tot Ion:146 Resp: 97332
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.3 54.9
 148 66.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.693 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion:146 Resp: 100392
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 56.0
 148 64.4 32.6 98.0





#89

n-Butylbenzene

Concen: 22.218 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

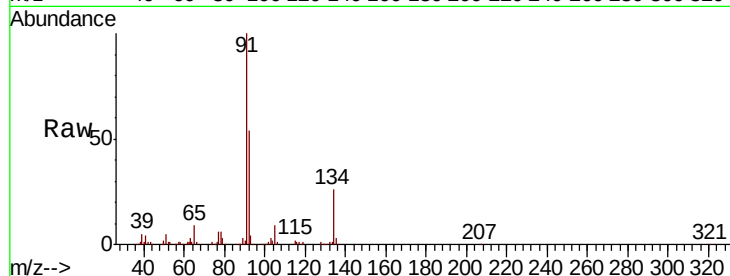
Tot Ion: 91 Resp: 186993

Ion Ratio Lower Upper

91 100

92 53.6 26.8 80.3

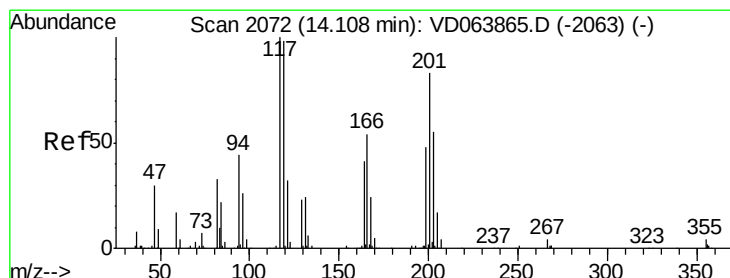
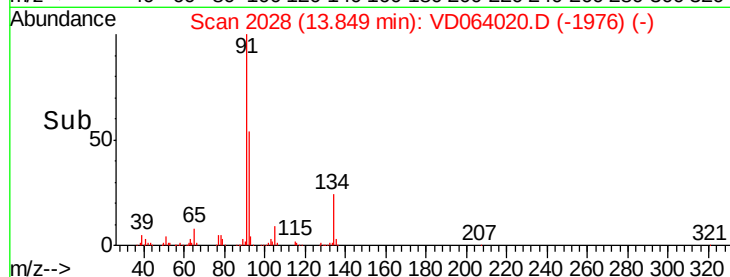
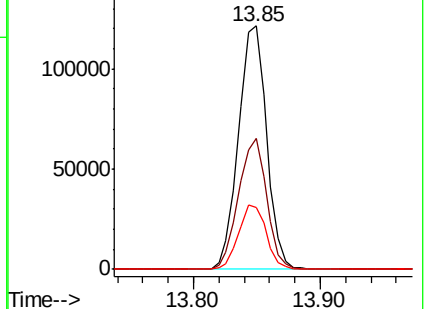
134 26.1 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 21.977 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. 0.01 min

Lab File: VD064020.D

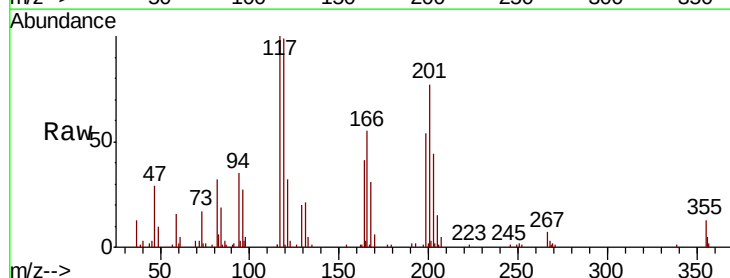
Acq: 23 Oct 2019 14:53

Tgt Ion: 117 Resp: 35738

Ion Ratio Lower Upper

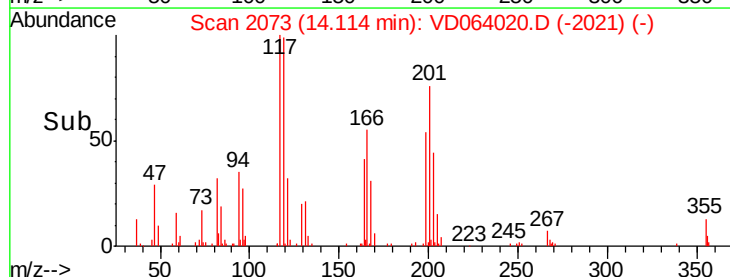
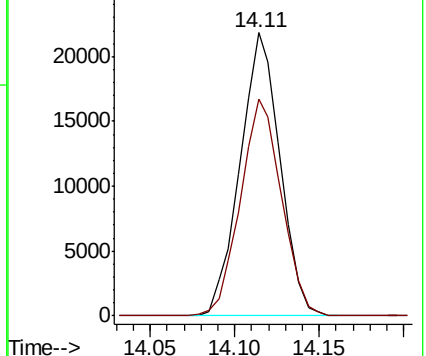
117 100

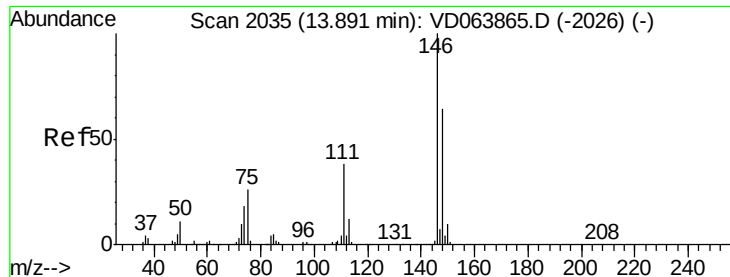
201 79.2 40.6 121.7



Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC

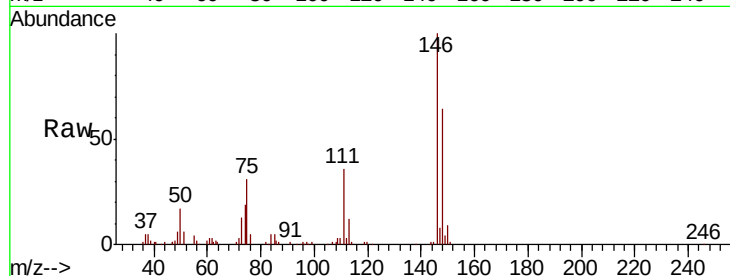




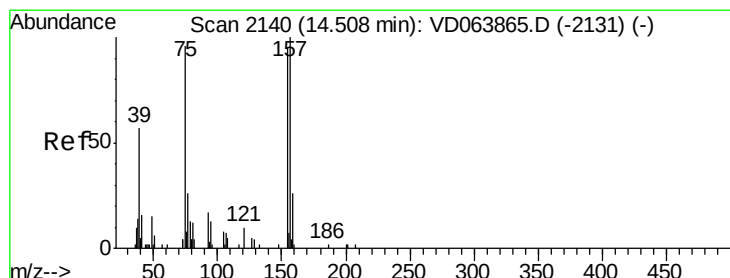
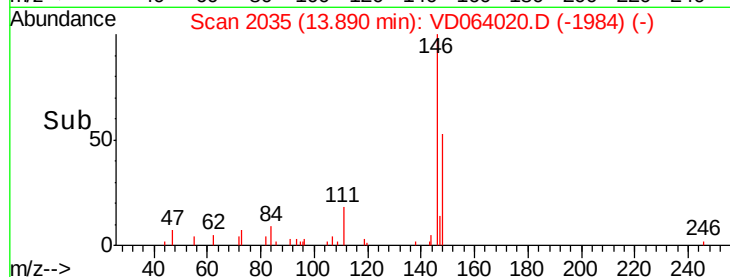
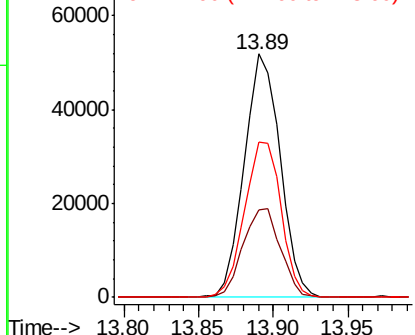
#91
 1,2-Dichlorobenzene
 Concen: 21.357 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.6
148	65.0	31.6	95.0

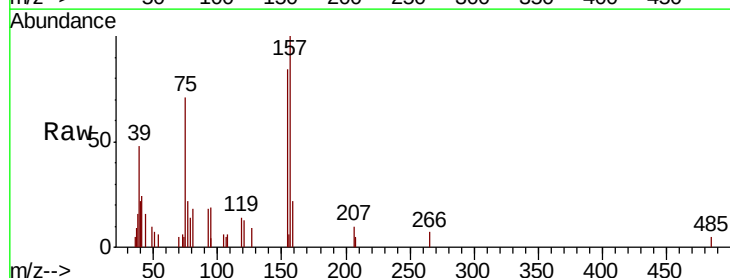


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

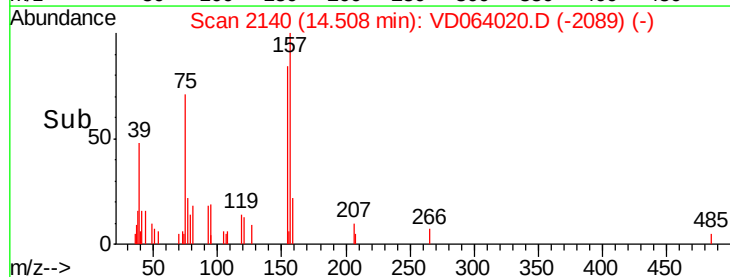
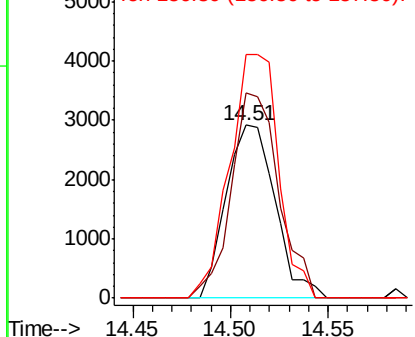


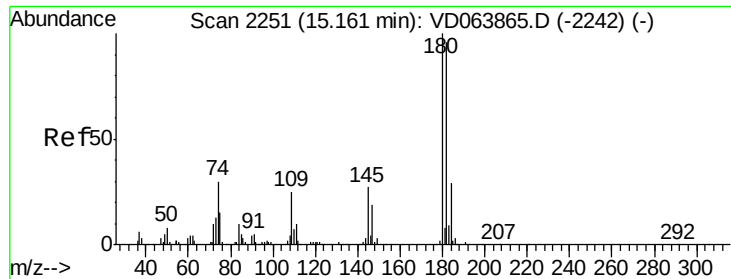
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.209 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	114.5	43.9	131.6
157	139.9	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

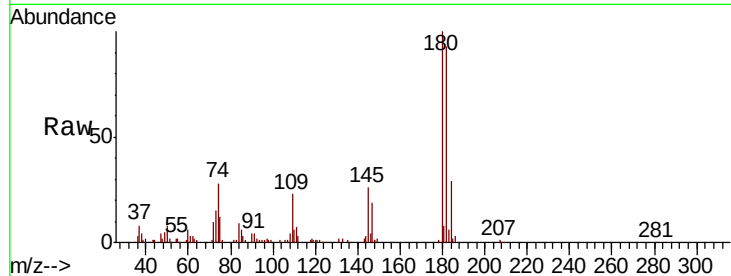




#93
 1,2,4-Trichlorobenzene
 Concen: 20.363 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.4	142.3
145	26.2	13.9	41.7

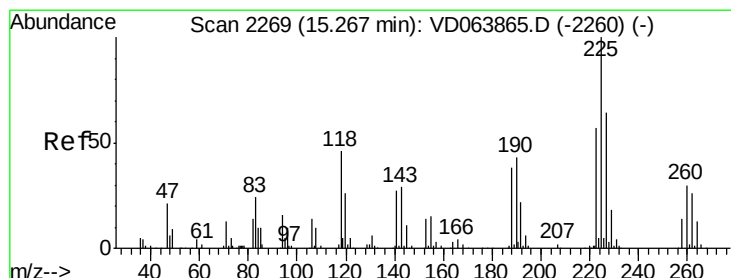
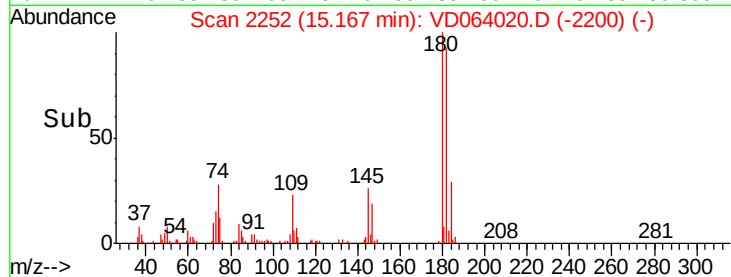
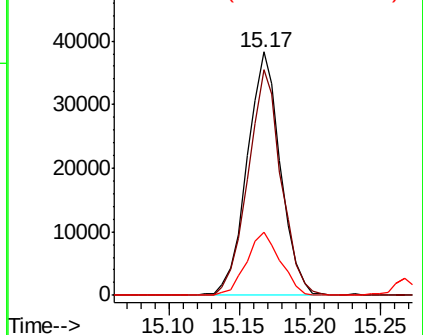


Abundance

Ion 179.80 (179.50 to 180.50): V

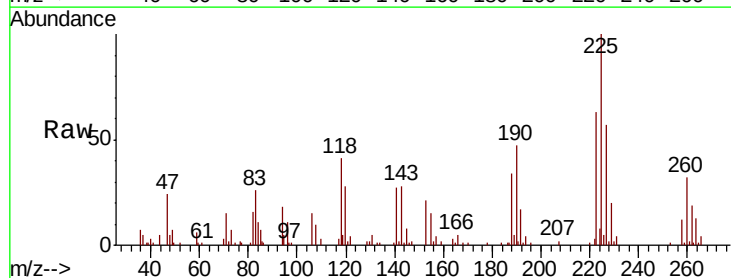
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.514 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	29.5	88.6
227	61.5	30.8	92.4

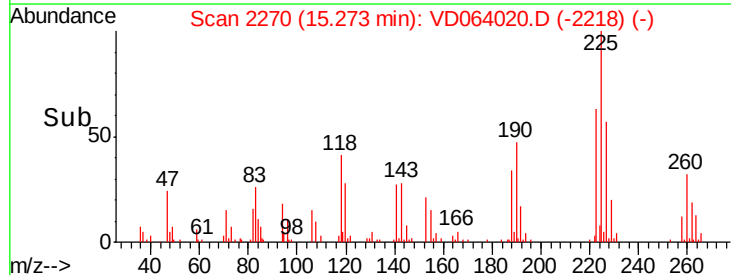
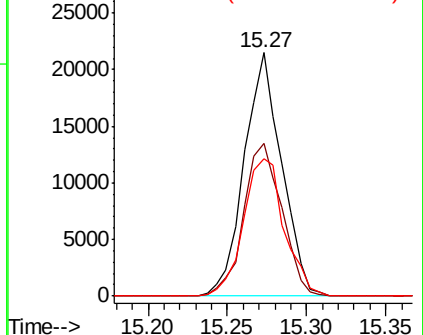


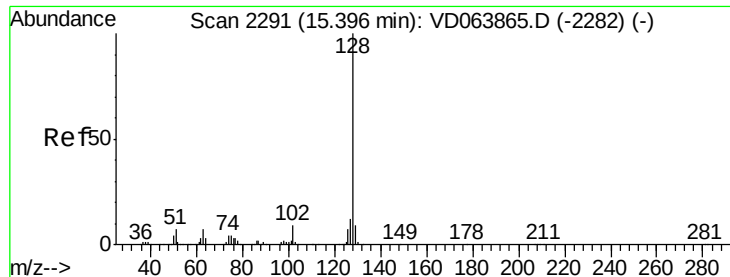
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

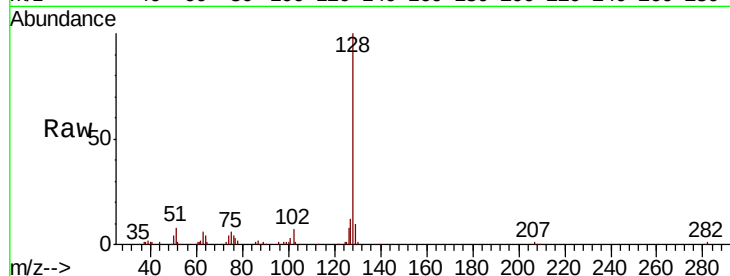




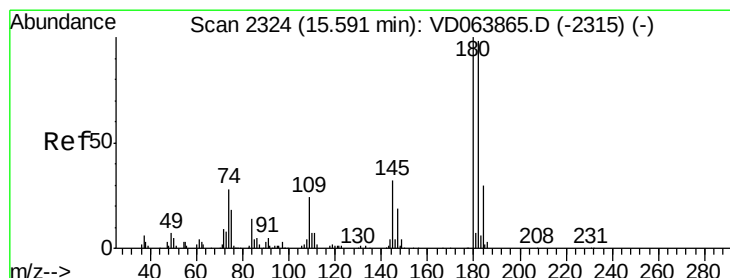
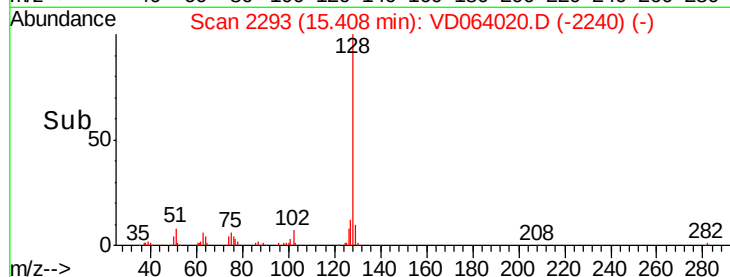
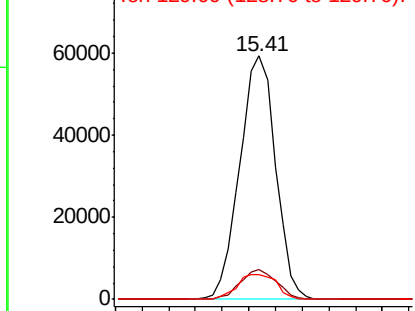
#95
Naphthalene
Concen: 20.993 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 110064
Ion Ratio Lower Upper
128 100
127 12.4 10.6 16.0
129 11.3 8.6 13.0

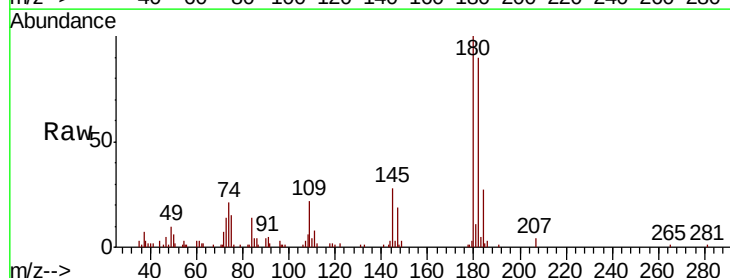


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.619 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion:180 Resp: 55492
Ion Ratio Lower Upper
180 100
182 95.7 47.0 141.0
145 28.1 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

