

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030119\
 Data File : VD060915.D
 Acq On : 1 Mar 2019 18:27
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV030119

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 5:33:12 AM

Quant Time: Mar 02 02:13:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 01 16:47:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	752417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1254227	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1029047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	483826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	311634	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
35) Dibromofluoromethane	6.91	113	525212	56.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.02%	
50) Toluene-d8	10.40	98	1212171	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
62) 4-Bromofluorobenzene	13.55	95	430431	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	374361	45.626	ug/l	99
3) Chloromethane	1.76	50	300112	59.497	ug/l	99
4) Vinyl Chloride	1.85	62	275484	58.765	ug/l	99
5) Bromomethane	2.15	94	54514	62.152	ug/l #	91
6) Chloroethane	2.27	64	86285	67.833	ug/l	97
7) Trichlorofluoromethane	2.52	101	365402	48.086	ug/l	93
8) Diethyl Ether	2.87	74	165670	126.780	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	467738	100.095	ug/l	93
10) Methyl Iodide	3.30	142	648905	48.635	ug/l	99
11) Tert butyl alcohol	4.05	59	117391	276.438	ug/l	99
12) 1,1-Dichloroethene	3.12	96	397817	113.956	ug/l	93
13) Acrolein	3.03	56	156284	663.787	ug/l	94
14) Allyl chloride	3.62	41	678489	59.531	ug/l	91
15) Acrylonitrile	4.19	53	453507	342.007	ug/l	97
16) Acetone	3.21	43	476785	281.007	ug/l #	87
17) Carbon Disulfide	3.37	76	1468348	56.928	ug/l	99
18) Methyl Acetate	3.64	43	200181	56.865	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	765121	52.283	ug/l #	92
20) Methylene Chloride	3.81	84	483741	50.750	ug/l #	87
21) trans-1,2-Dichloroethene	4.22	96	463099	59.861	ug/l	95
22) Diisopropyl ether	5.11	45	1384938	61.948	ug/l	93
23) Vinyl Acetate	5.04	43	3779859	298.772	ug/l	99
24) 1,1-Dichloroethane	4.98	63	722997	59.198	ug/l	99
25) 2-Butanone	6.06	43	622312	277.896	ug/l	99
26) 2,2-Dichloropropane	6.01	77	565345	48.762	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	517222	60.883	ug/l	99
28) Bromochloromethane	6.43	49	361947	75.335	ug/l	97
29) Tetrahydrofuran	6.44	42	334088	299.391	ug/l	96
30) Chloroform	6.66	83	746469	51.666	ug/l	100
31) Cyclohexane	6.94	56	647570	63.927	ug/l	87
32) 1,1,1-Trichloroethane	6.86	97	636455	56.586	ug/l	99
36) 1,1-Dichloropropene	7.14	75	570637	43.486	ug/l	93
37) Ethyl Acetate	6.18	43	297573	48.236	ug/l	99
38) Carbon Tetrachloride	7.10	117	659729	54.183	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	580328	41.603	ug/l #	85
40) Benzene	7.45	78	1461516	44.816	ug/l	99
41) Methacrylonitrile	6.43	41	174046m	52.222	ug/l	
42) 1,2-Dichloroethane	7.57	62	404946	45.657	ug/l	98
43) Isopropyl Acetate	9.23	43	420088	48.073	ug/l #	99
44) Trichloroethene	8.53	130	496274	46.666	ug/l	98
45) 1,2-Dichloropropane	8.93	63	389439	51.123	ug/l	99
46) Dibromomethane	9.06	93	250458	45.759	ug/l	94
47) Bromodichloromethane	9.37	83	525868	40.510	ug/l	100
48) Methyl methacrylate	9.11	41	237410	47.189	ug/l	94
49) 1,4-Dioxane	9.07	88	53775	1020.329	ug/l	89
51) 4-Methyl-2-Pentanone	10.29	43	1166361	216.372	ug/l	92
52) Toluene	10.50	92	883209	46.761	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	503439	42.012	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	610778	44.240	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	292490	45.145	ug/l	93
56) Ethyl methacrylate	11.04	69	341615	46.334	ug/l	94
57) 1,3-Dichloropropane	11.40	76	452798	42.435	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	871308	246.656	ug/l	97
59) 2-Hexanone	11.52	43	874248	211.245	ug/l	95
60) Dibromochloromethane	11.68	129	461208	49.539	ug/l	97
61) 1,2-Dibromoethane	11.80	107	372755	50.824	ug/l	100
64) Tetrachloroethene	11.25	164	385665	41.944	ug/l #	90
65) Chlorobenzene	12.40	112	1013845	48.610	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	394522	47.534	ug/l	96
67) Ethyl Benzene	12.52	91	1568929	44.196	ug/l	92
68) m/p-Xylenes	12.66	106	1303766	103.909	ug/l	81
69) o-Xylene	13.05	106	630240	52.153	ug/l	78
70) Styrene	13.07	104	1041086	51.260	ug/l	97
71) Bromoform	13.23	173	258033	39.094	ug/l #	99
73) Isopropylbenzene	13.40	105	1670873	59.020	ug/l	97
74) N-amyl acetate	13.26	43	514564	52.589	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	352165	50.508	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	361826	50.259	ug/l	99
77) Bromobenzene	13.67	156	460266	50.515	ug/l	91
78) n-propylbenzene	13.78	91	2000063	52.947	ug/l	90
79) 2-Chlorotoluene	13.83	91	1083235	50.137	ug/l	99
80) 1,3,5-Trimethylbenzene	14.24	105	1276396	54.859	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	116096	50.613	ug/l	97
82) 4-Chlorotoluene	13.94	91	1134557	47.864	ug/l	98
83) tert-Butylbenzene	14.19	119	1469775	54.703	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	1276396	54.859	ug/l	95
85) sec-Butylbenzene	14.37	105	1639286	54.650	ug/l	95
86) p-Isopropyltoluene	14.48	119	1341165	53.243	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	805054	48.310	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	802062	49.836	ug/l	96
89) n-Butylbenzene	14.80	91	1224275	46.913	ug/l	99
90) Hexachloroethane	15.01	117	408457	57.145	ug/l	80
91) 1,2-Dichlorobenzene	14.81	146	665615	47.972	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	44661	45.737	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	385058	39.214	ug/l	99
94) Hexachlorobutadiene	16.04	225	251928	42.761	ug/l	100
95) Naphthalene	16.12	128	631683	42.670	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	224709	29.758	ug/l	96

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

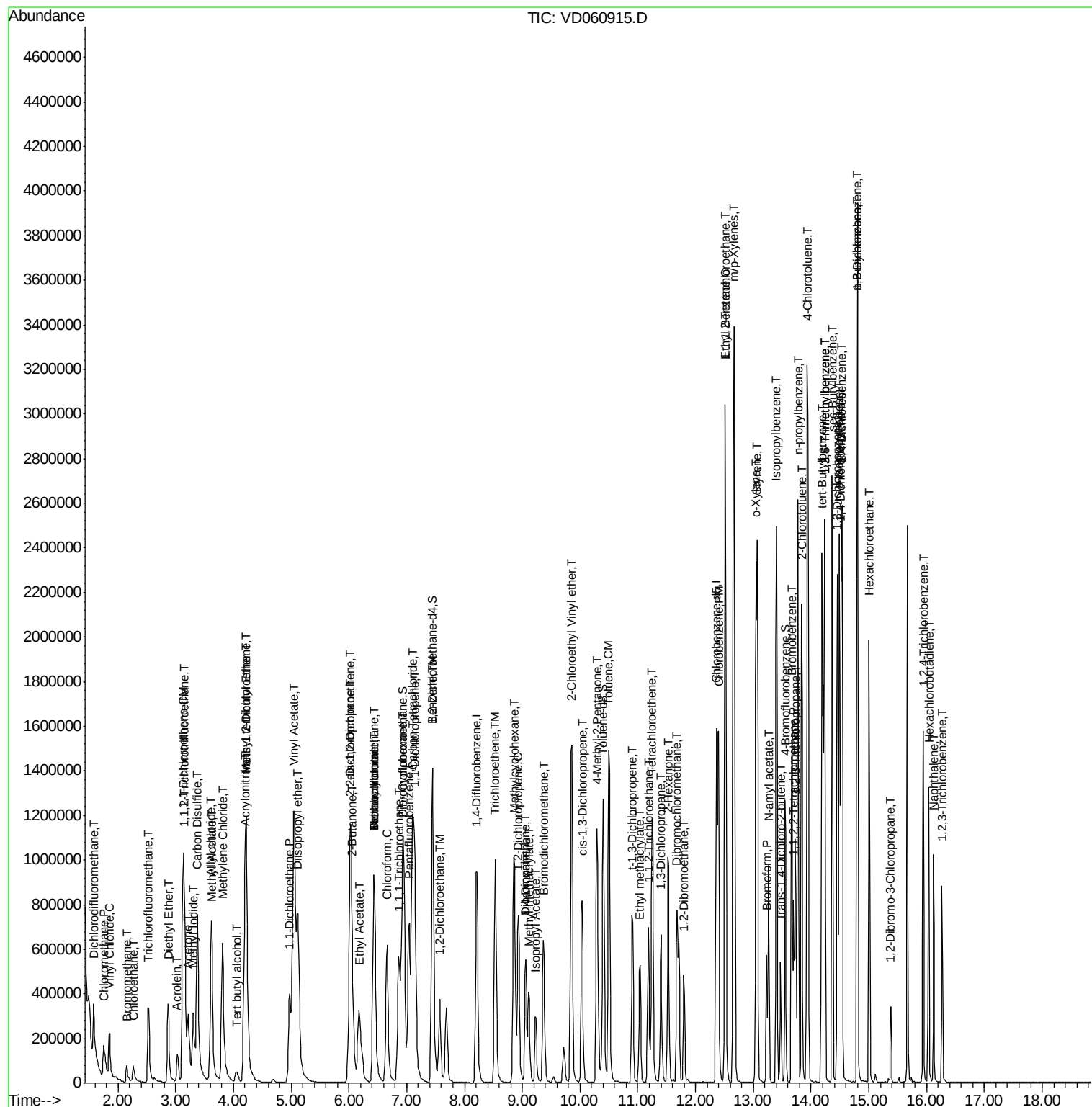
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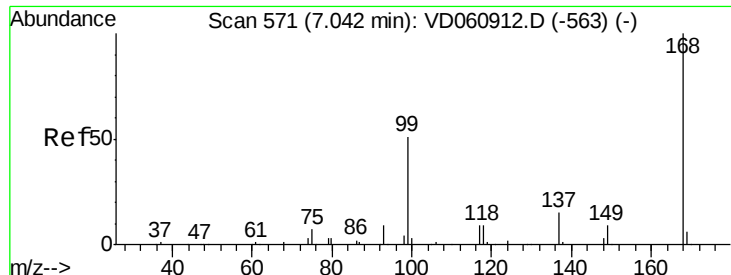
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

Tot Ion:168 Resp: 752417

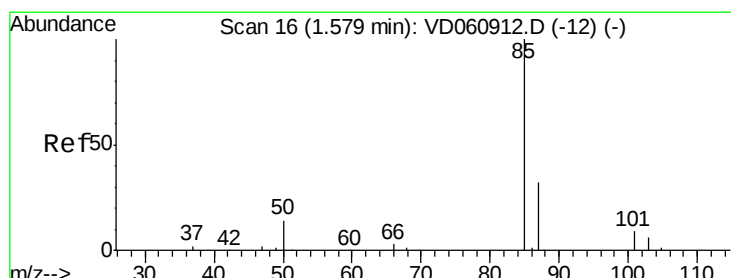
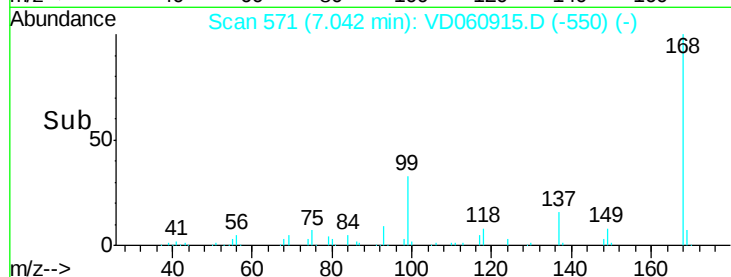
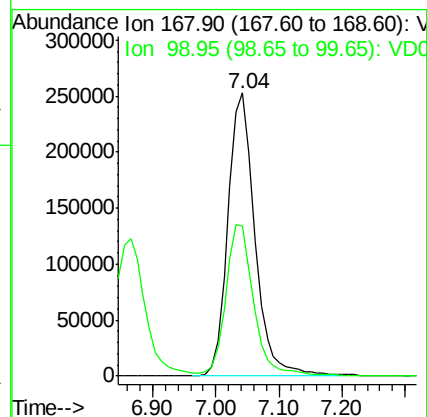
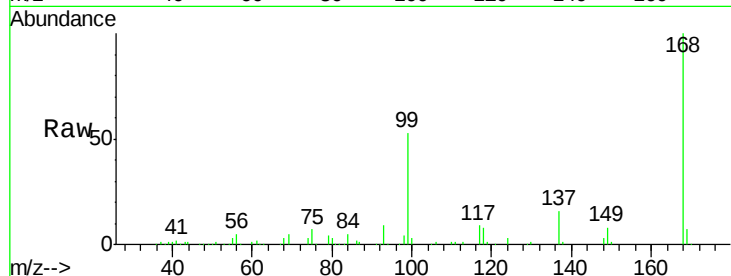
Ion Ratio Lower Upper

168 100

99 53.1 38.2 57.4

Manual Integrations
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3/6/2019 5:33:12 AM



#2

Dichlorodifluoromethane

Concen: 45.626 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD060915.D

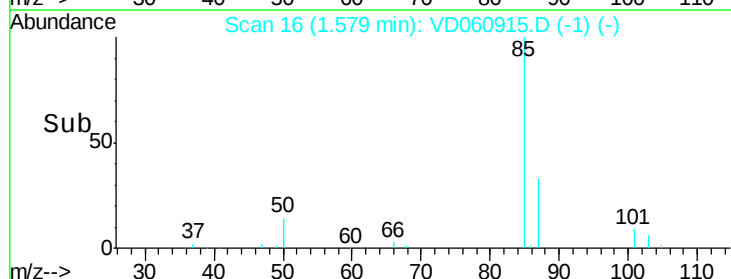
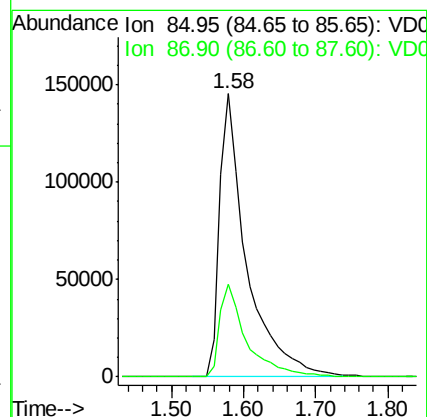
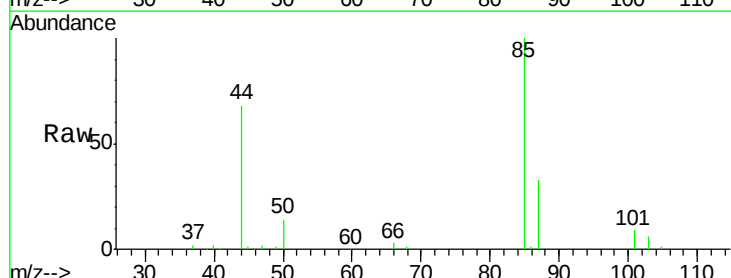
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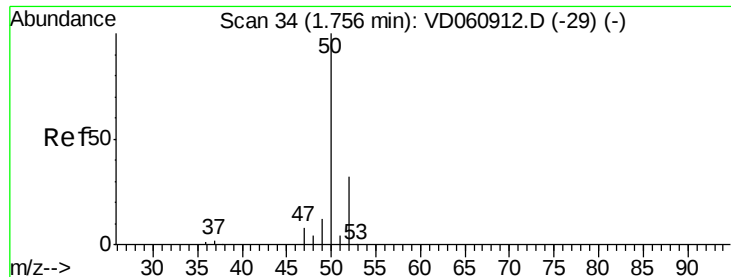
Tgt Ion: 85 Resp: 374361

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.2





#3

Chloromethane

Concen: 59.497 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

Tot Ion: 50 Resp: 300112

Ion Ratio Lower Upper

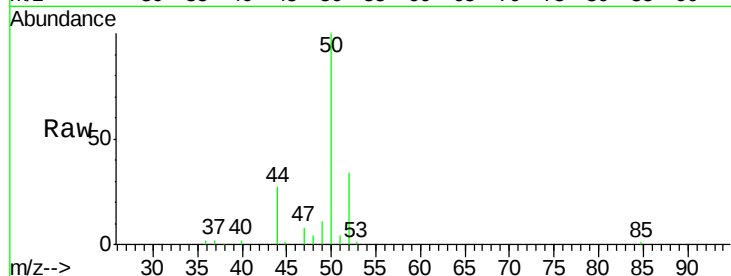
50 100

52 34.1 26.8 40.2

Manual Integrations
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MMDadoda

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

100000

80000

60000

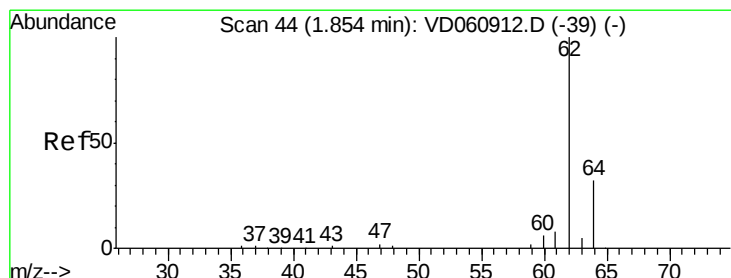
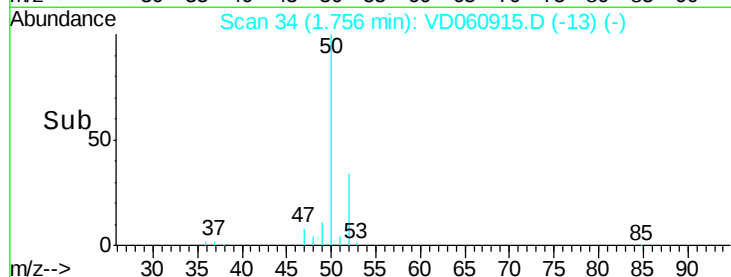
40000

20000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 58.765 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD060915.D

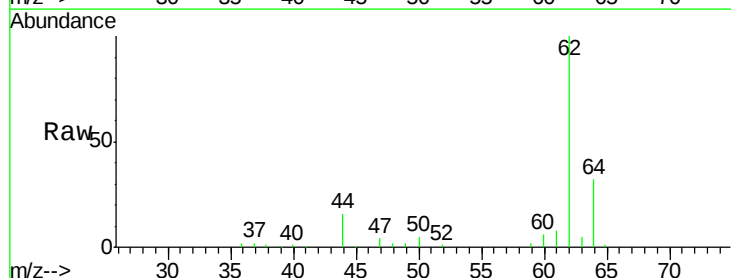
Acq: 1 Mar 2019 18:27

Tgt Ion: 62 Resp: 275484

Ion Ratio Lower Upper

62 100

64 32.3 26.3 39.5



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

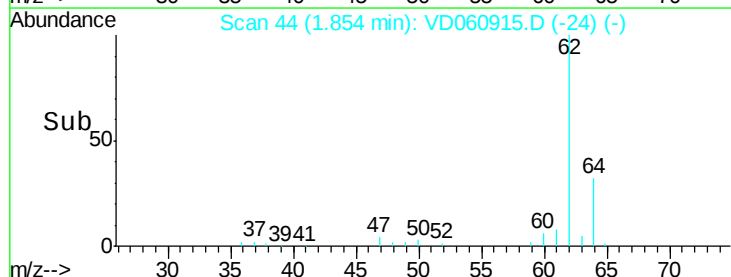
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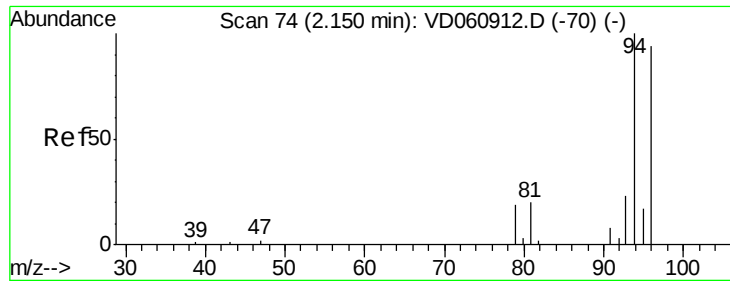
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0

1.70 1.80 1.90 2.00 2.10

Time-->





#5

Bromomethane

Concen: 62.152 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

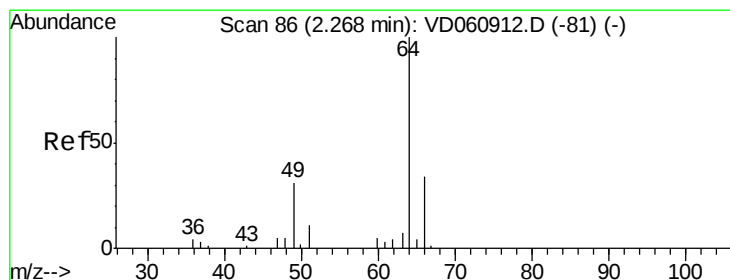
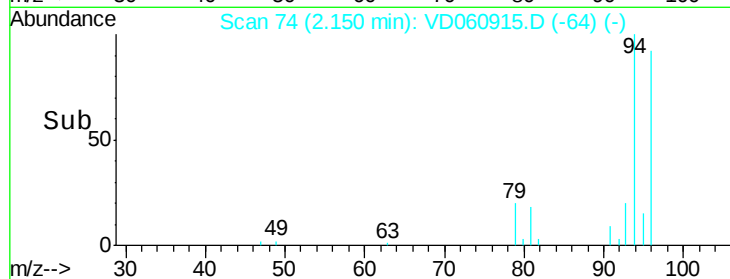
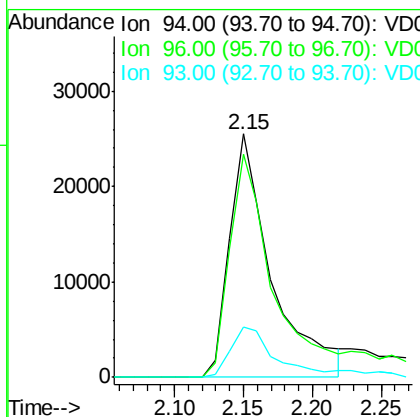
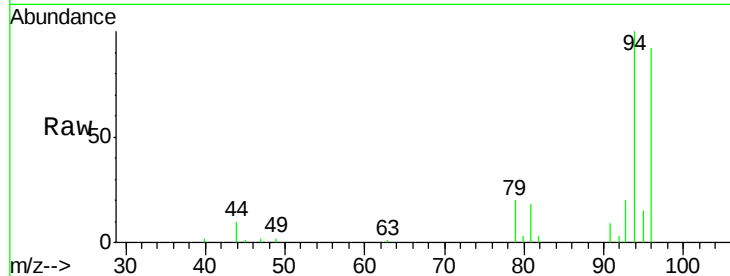
ClientSampleId :

ICVVD030119

Tot Ion	Ratio	Lower	Upper
94	100		
96	91.8	81.0	121.4
93	20.5	0.0	0.0#

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#6

Chloroethane

Concen: 67.833 ug/l

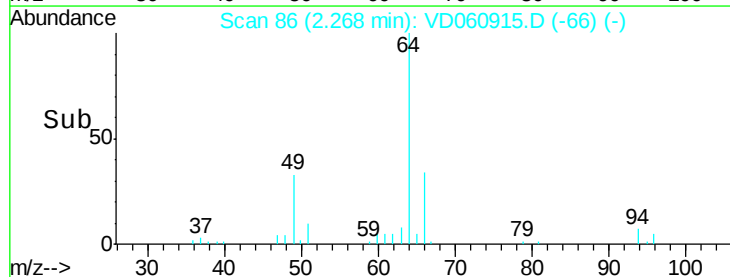
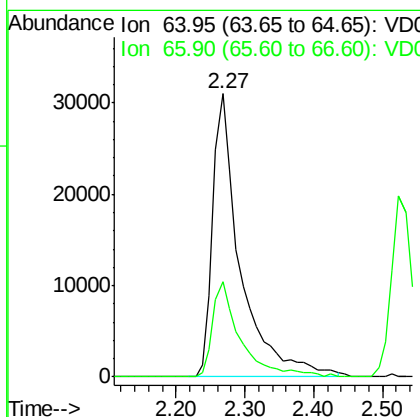
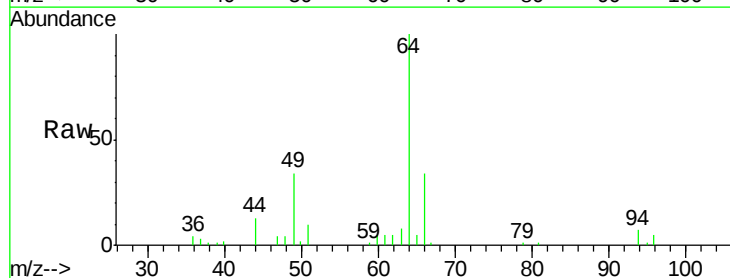
RT: 2.27 min Scan# 86

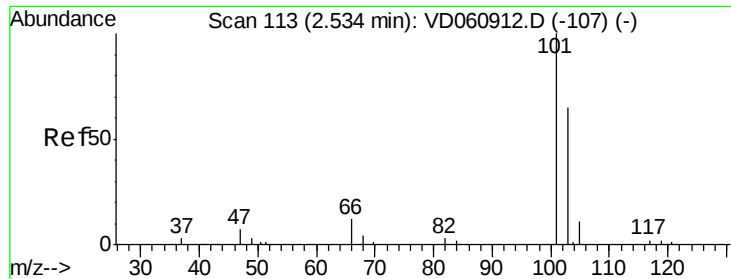
Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
64	100		
66	33.6	25.8	38.6





#7

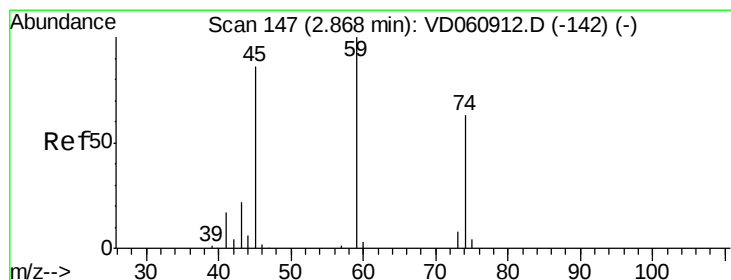
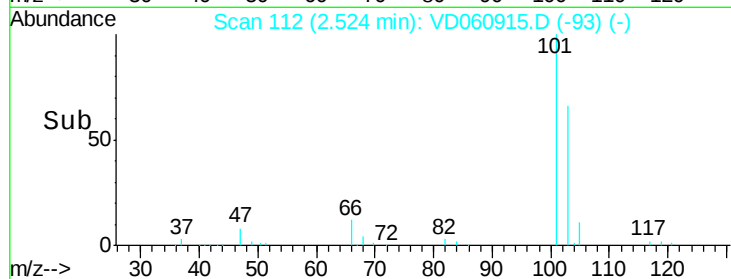
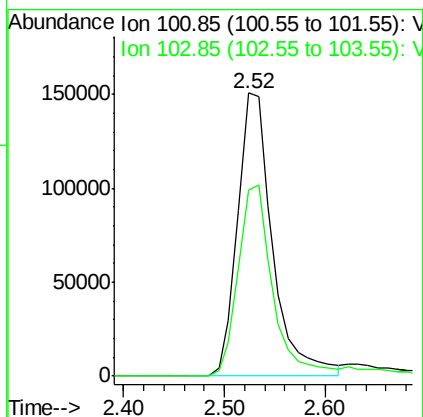
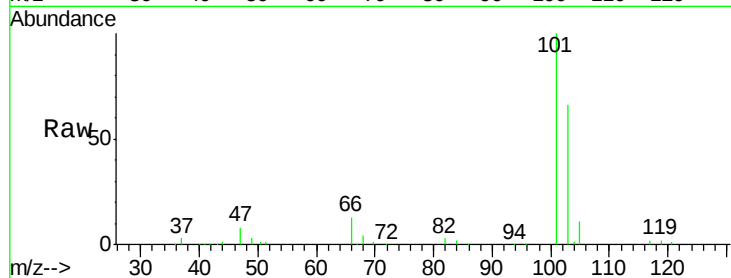
Trichlorofluoromethane
 Concen: 48.086 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD060915.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	48.6	72.8

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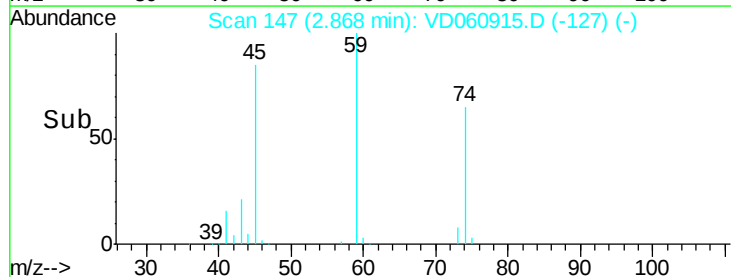
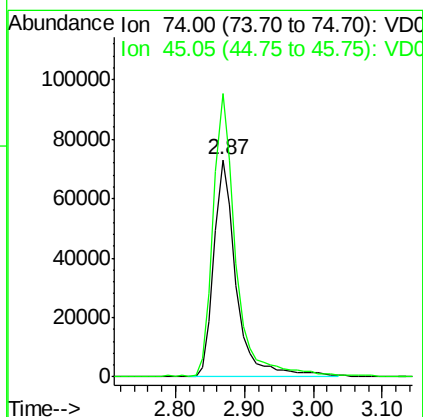
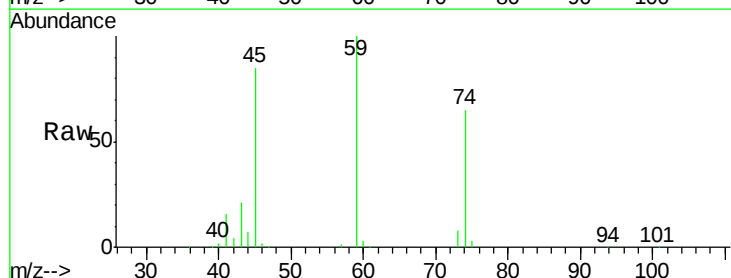
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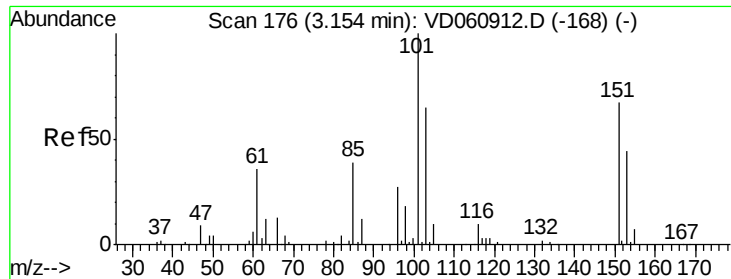


#8

Diethyl Ether
 Concen: 126.780 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD060915.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	130.3	64.8	194.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 100.095 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

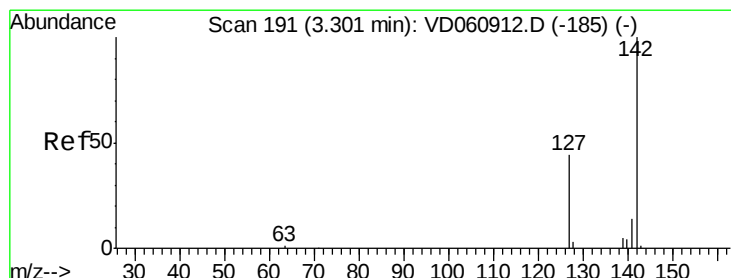
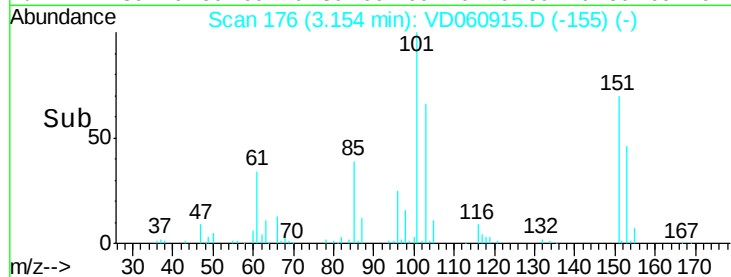
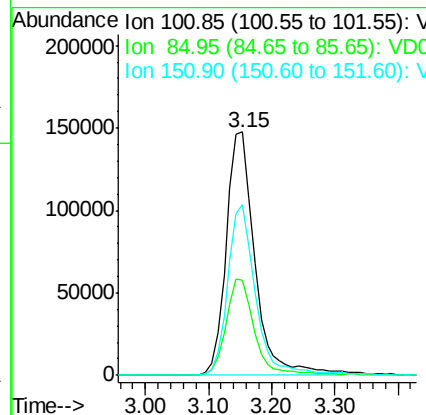
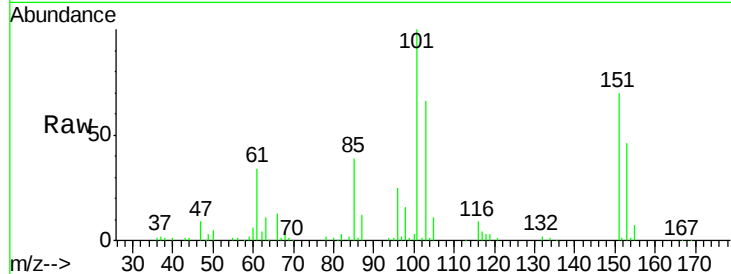
ClientSampleId :

ICVVD030119

Tot Ion:	101	Resp:	467738
Ion Ratio	Lower	Upper	
101	100		
85	39.0	34.7	52.1
151	70.1	61.2	91.8

Manual Integrations
APPROVED

MMDadoda
3/6/2019 5:33:12 AM



#10

Methyl Iodide

Concen: 48.635 ug/l

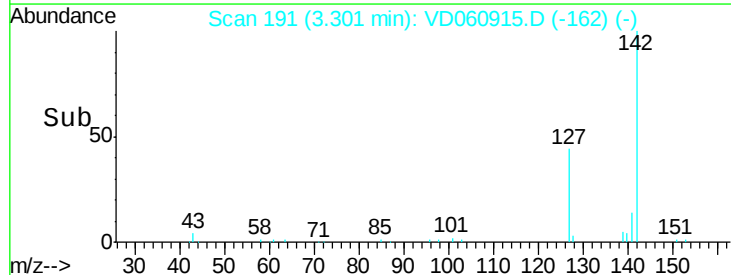
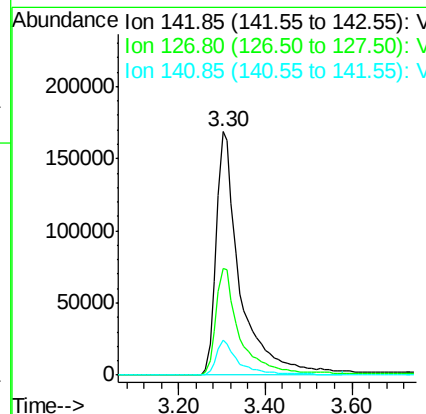
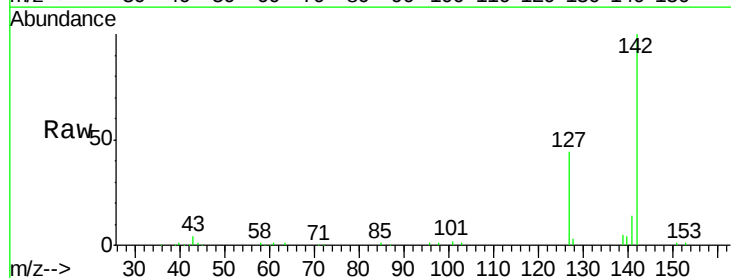
RT: 3.30 min Scan# 191

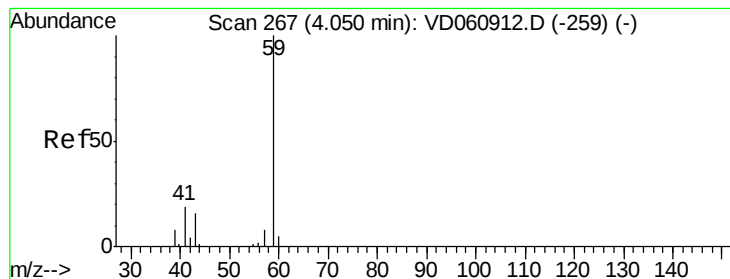
Delta R.T. -0.02 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Tgt Ion:	142	Resp:	648905
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.2	51.4
141	14.3	11.4	17.2





#11

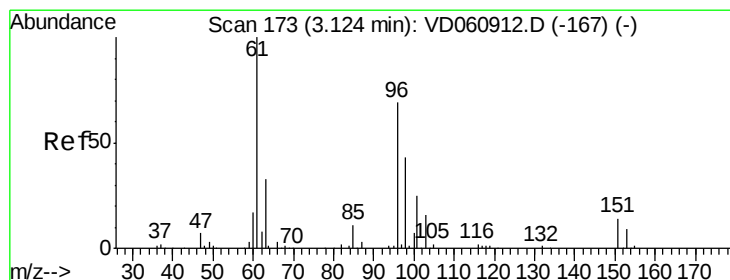
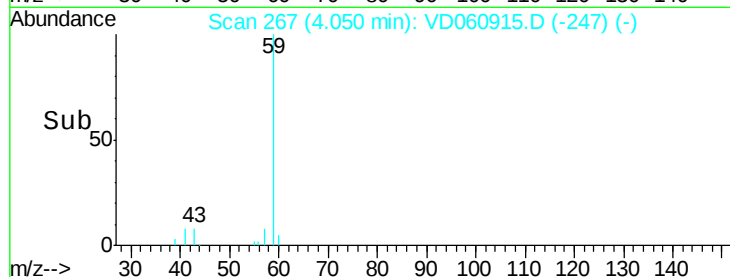
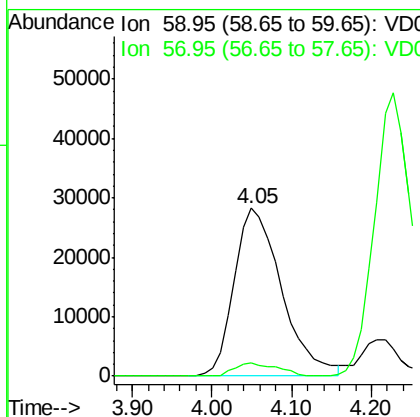
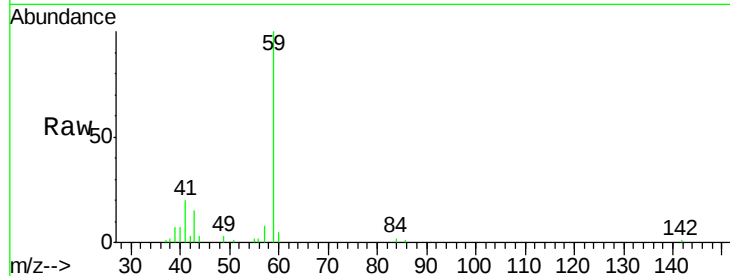
Tert butyl alcohol
Concen: 276.438 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion	59	57	Ratio	100	7.8	Resp:	117391	Lower	Upper
59	100								
57		7.8						5.8	8.8

Manual Integrations
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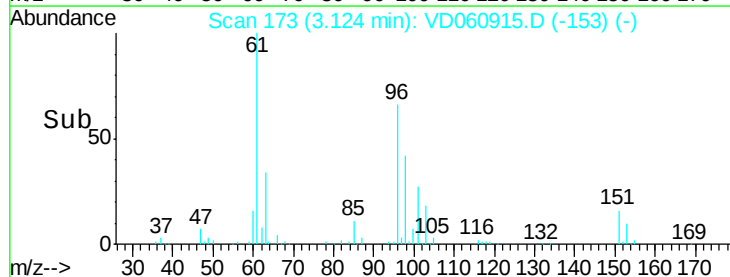
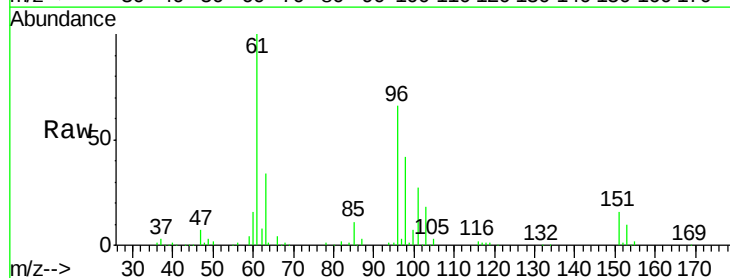
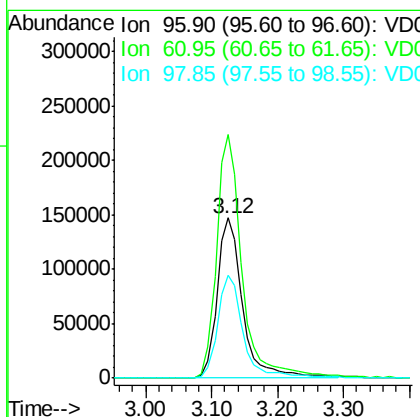
MMDadoda
3/6/2019 5:33:12 AM

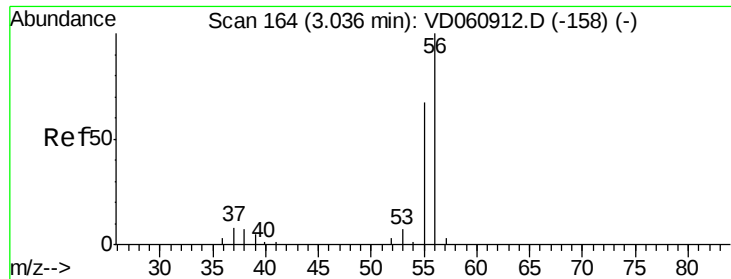


#12

1,1-Dichloroethene
Concen: 113.956 ug/l
RT: 3.12 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion	96	61	98	Ratio	100	152.1	64.0	Resp:	397817	Lower	Upper
96	100										
61		152.1								112.4	168.6
98		64.0								51.0	76.6





#13

Acrolein

Concen: 663.787 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

Tot Ion: 56 Resp: 156284

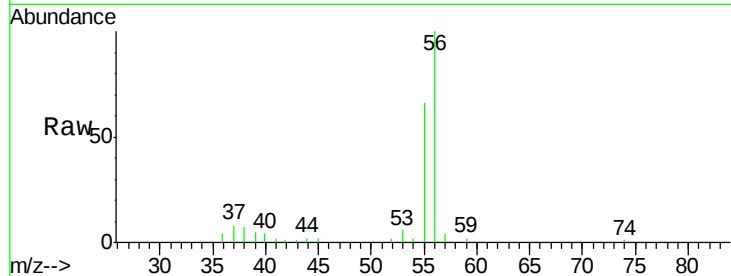
Ion Ratio Lower Upper

56 100

55 66.1 56.8 85.2

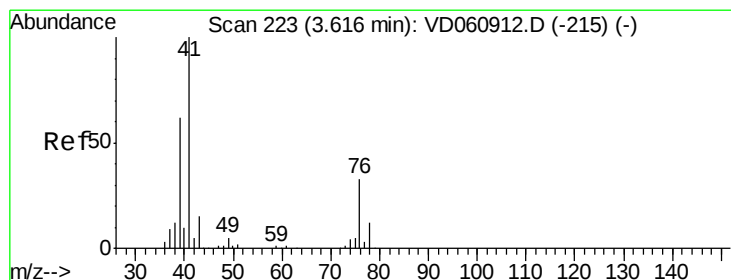
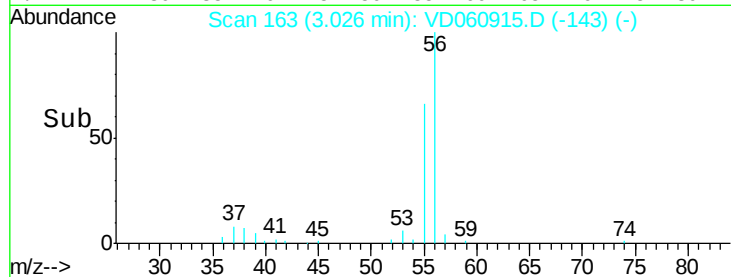
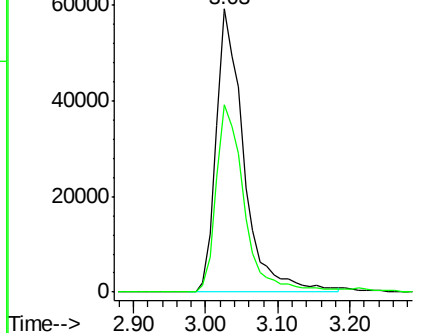
Manual Integrations
APPROVED

MMDadoda
3/6/2019 5:33:12 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 59.531 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

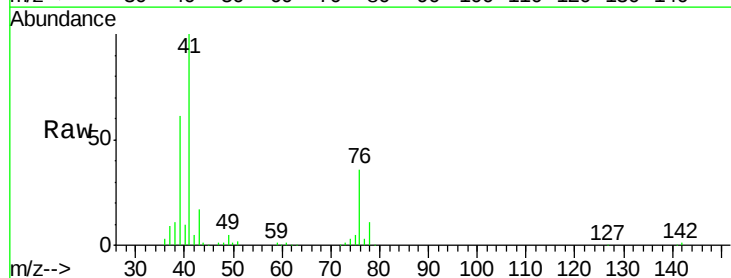
Tgt Ion: 41 Resp: 678489

Ion Ratio Lower Upper

41 100

39 61.2 55.7 83.5

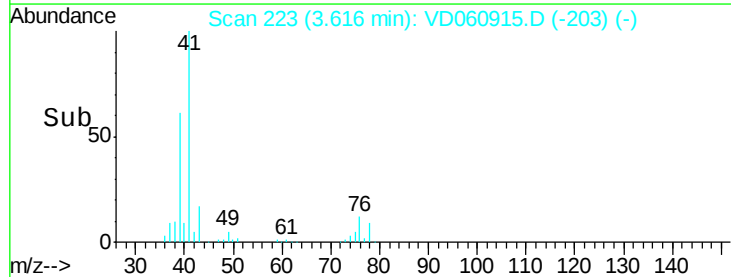
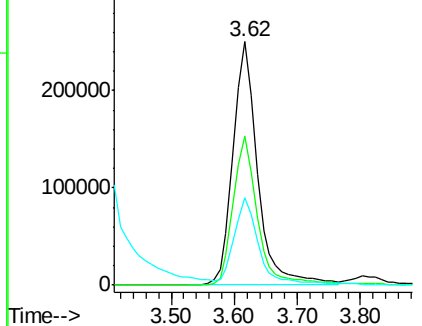
76 35.7 31.3 46.9

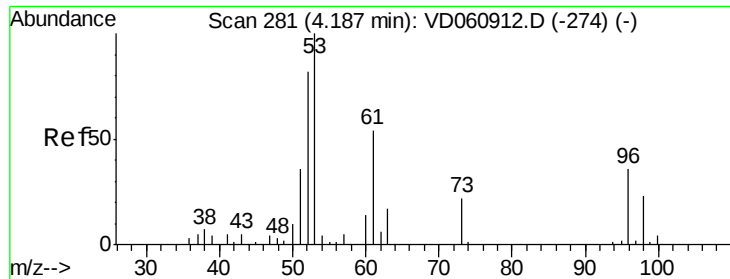


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





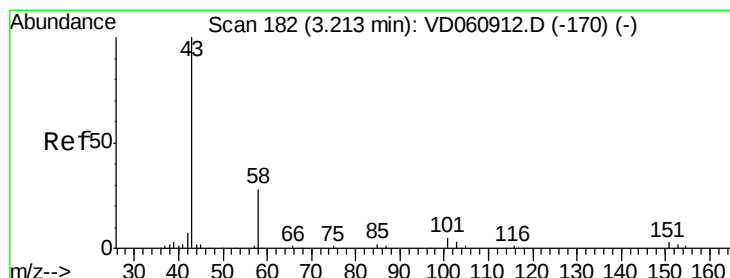
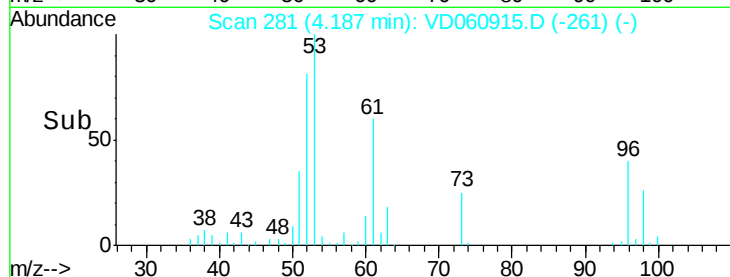
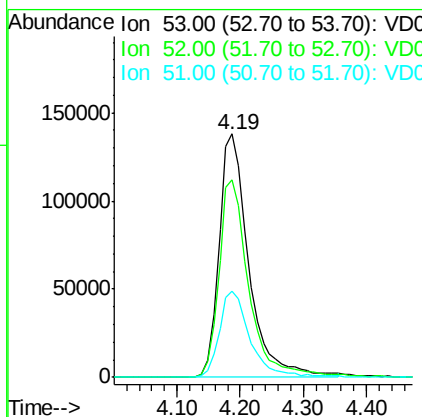
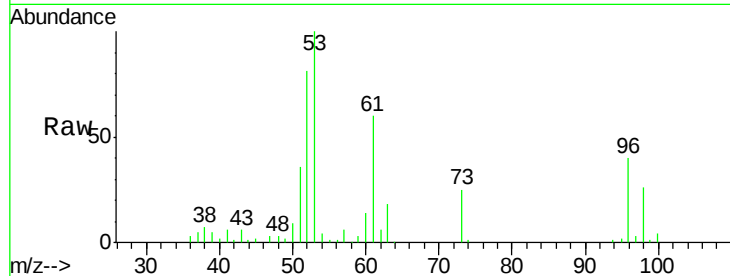
#15
Acrylonitrile
Concen: 342.007 ug/l
RT: 4.19 min Scan# 281
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.2	99.2
51	35.6	31.0	46.6

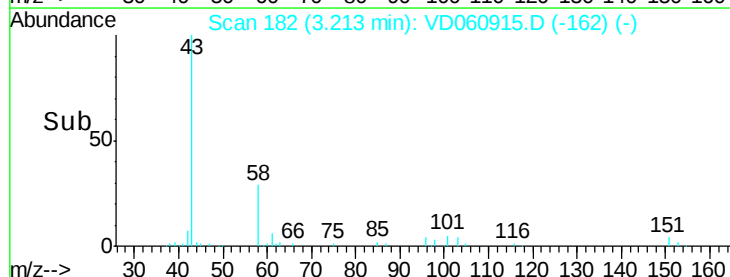
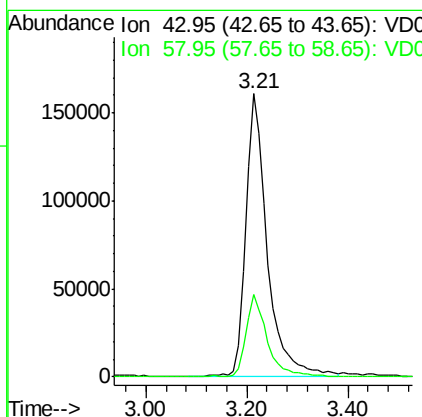
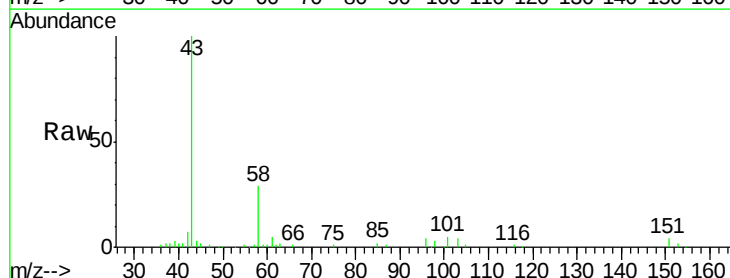
Manual Integrations
APPROVED

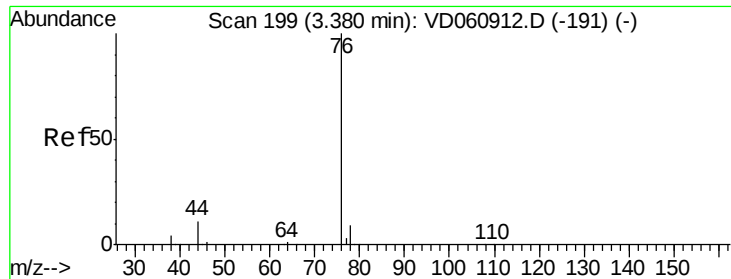
MMDadoda
3/6/2019 5:33:12 AM



#16
Acetone
Concen: 281.007 ug/l
RT: 3.21 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.1	18.4	27.6





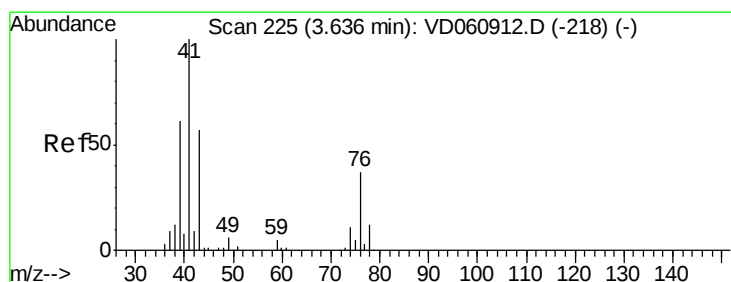
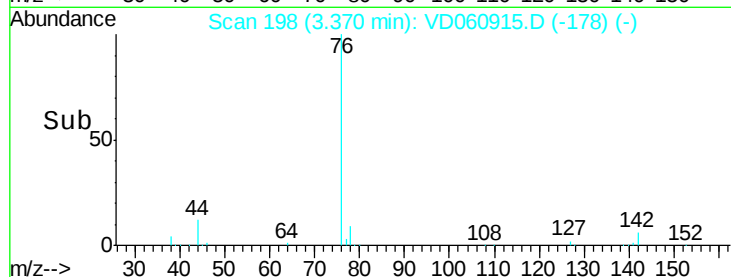
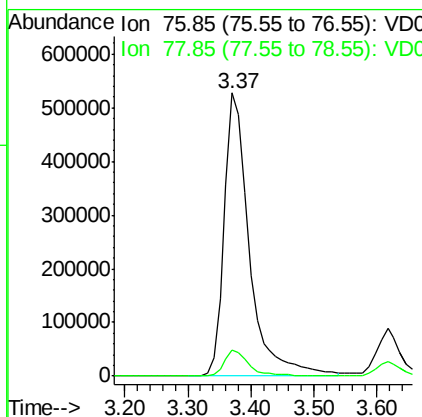
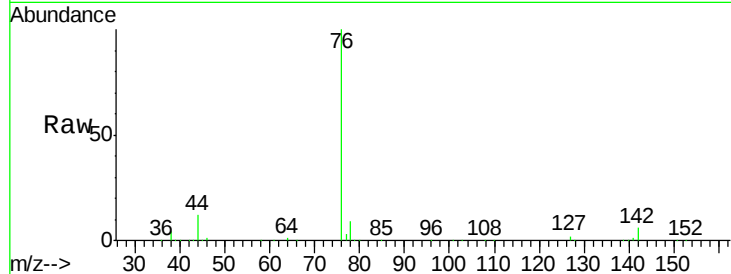
#17
Carbon Disulfide
Concen: 56.928 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion: 76 Resp: 1468348
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9

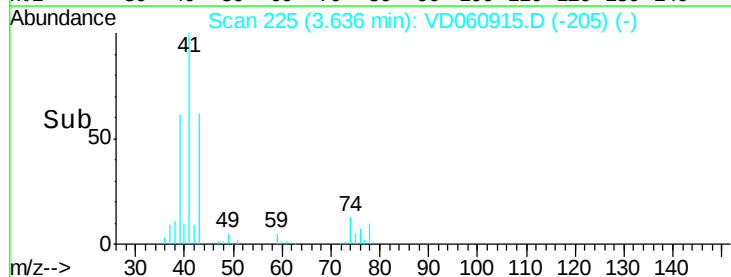
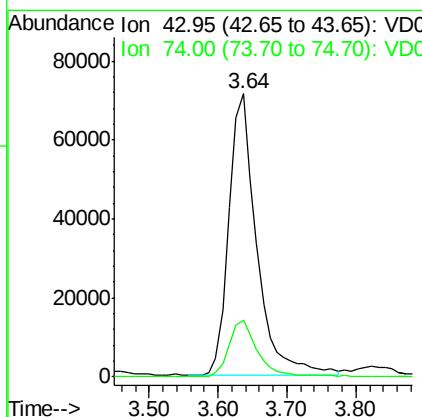
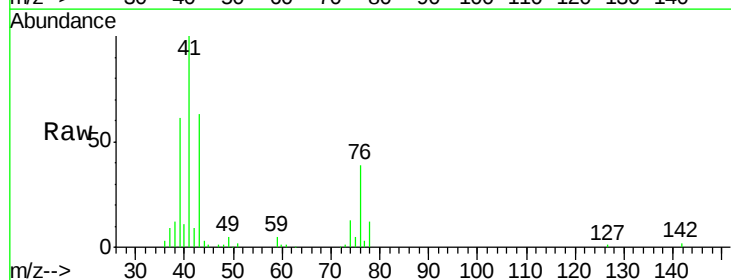
Manual Integrations
APPROVED

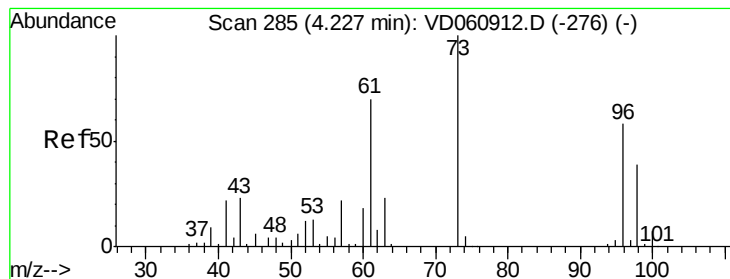
MMDadoda
3/6/2019 5:33:12 AM



#18
Methyl Acetate
Concen: 56.865 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion: 43 Resp: 200181
Ion Ratio Lower Upper
43 100
74 20.2 18.6 28.0





#19

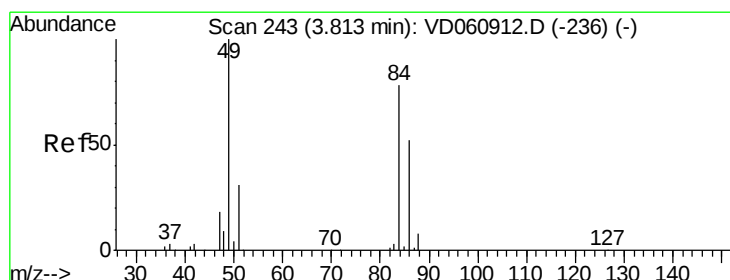
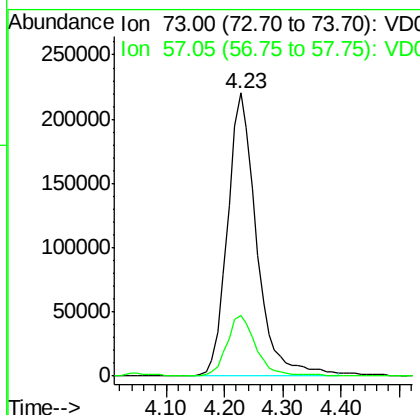
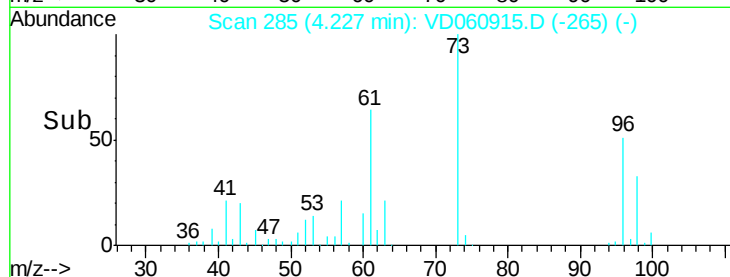
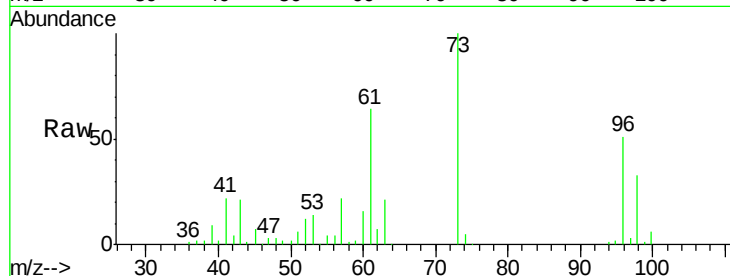
Methyl tert-butyl Ether
 Concen: 52.283 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

Tot Ion: 73 Resp: 765121
 Ion Ratio Lower Upper
 73 100
 57 21.6 14.4 21.6#

Manual Integrations
 APPROVED

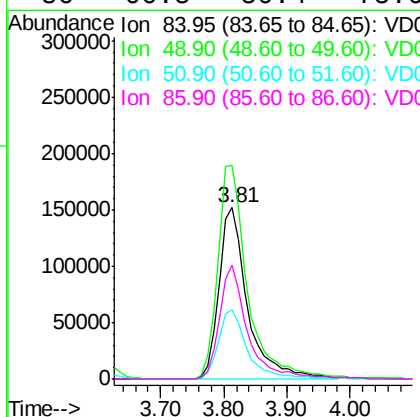
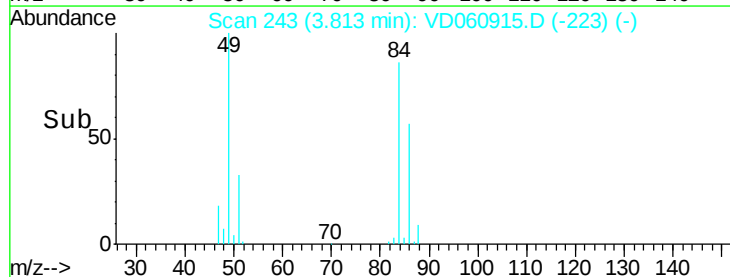
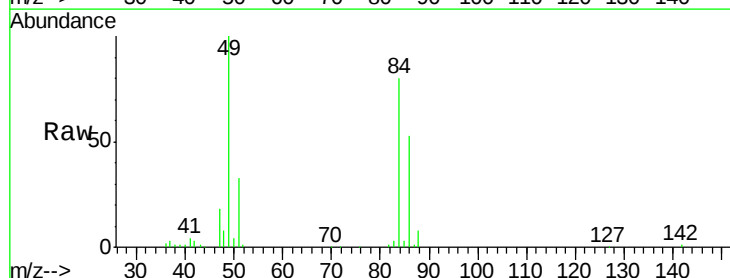
MMDadoda
 3/6/2019 5:33:12 AM

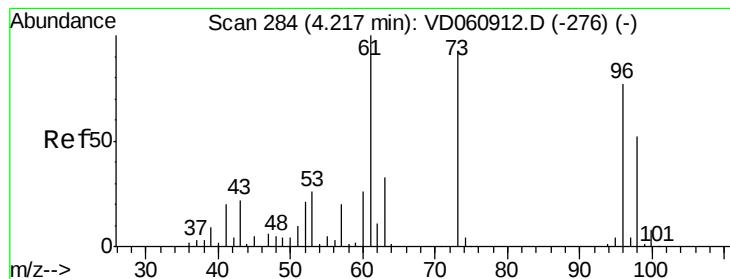


#20

Methylene Chloride
 Concen: 50.750 ug/l
 RT: 3.81 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Tgt Ion: 84 Resp: 483741
 Ion Ratio Lower Upper
 84 100
 49 124.8 84.7 127.1
 51 40.6 26.4 39.6#
 86 66.5 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 59.861 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

Tot Ion: 96 Resp: 463099

Ion Ratio Lower Upper

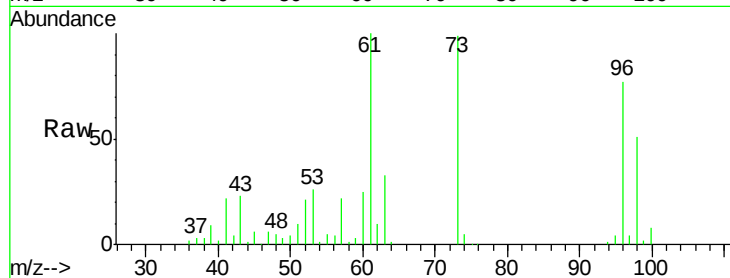
96 100

61 130.7 100.1 150.1

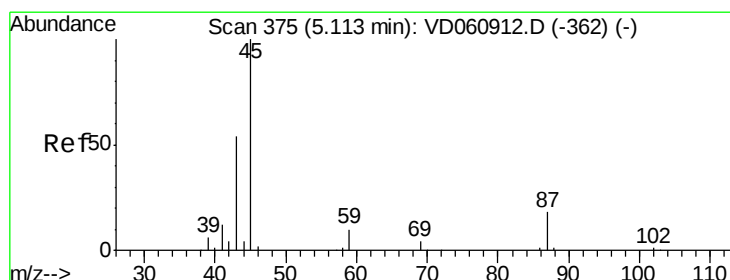
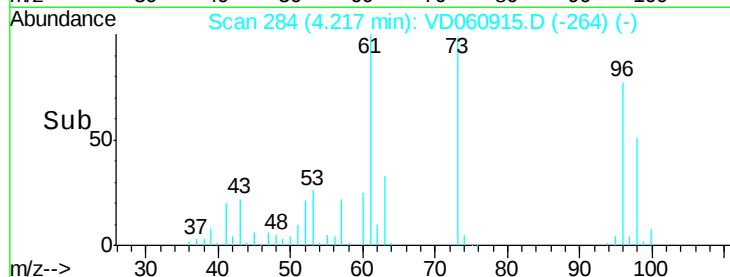
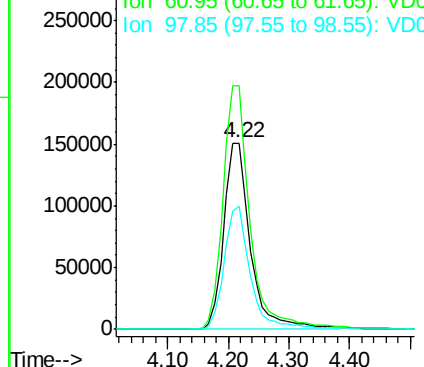
98 66.3 49.9 74.9

Manual Integrations
APPROVED

MMDadoda
3/6/2019 5:33:12 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 61.948 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Tgt Ion: 45 Resp: 1384938

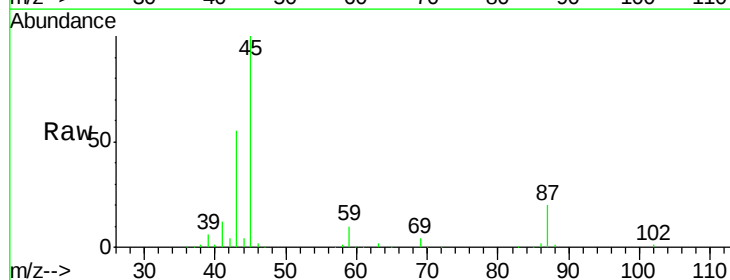
Ion Ratio Lower Upper

45 100

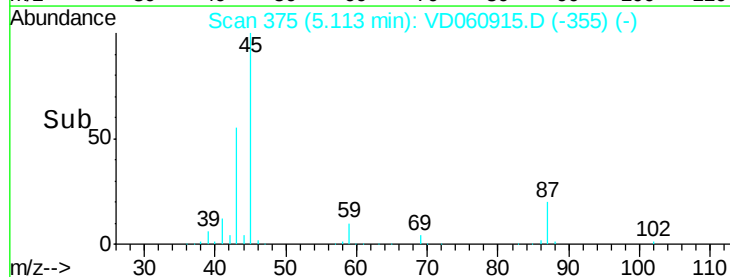
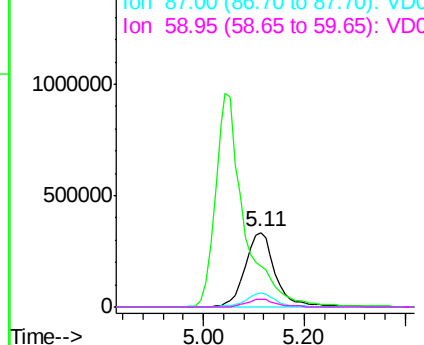
43 54.7 49.6 74.4

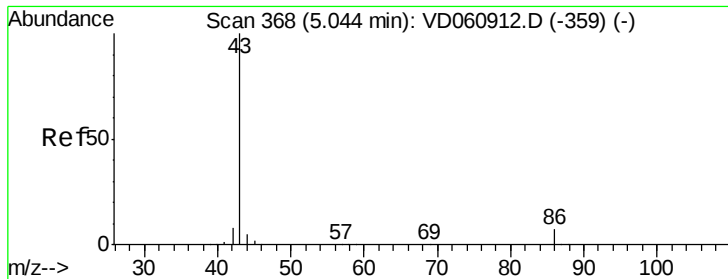
87 19.5 17.0 25.4

59 10.2 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 298.772 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

Tot Ion: 43 Resp: 3779859

Ion Ratio Lower Upper

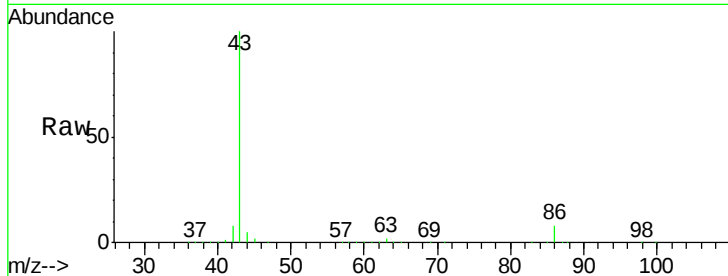
43 100

86 7.7 6.5 9.7

Manual Integrations
APPROVED

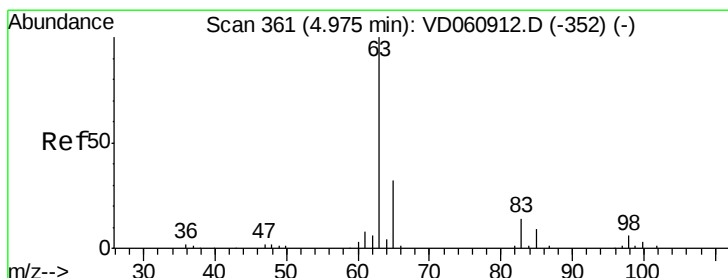
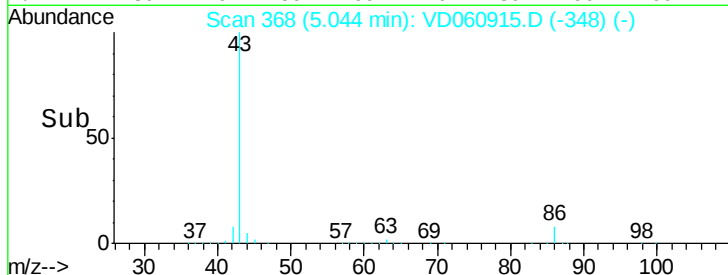
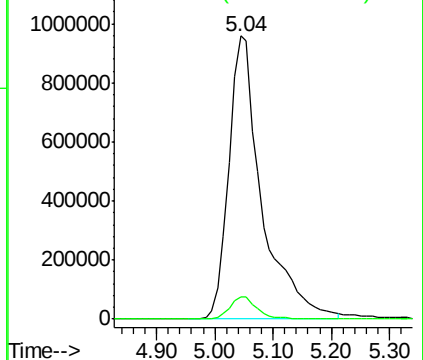
MMDadoda

3/6/2019 5:33:12 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 59.198 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

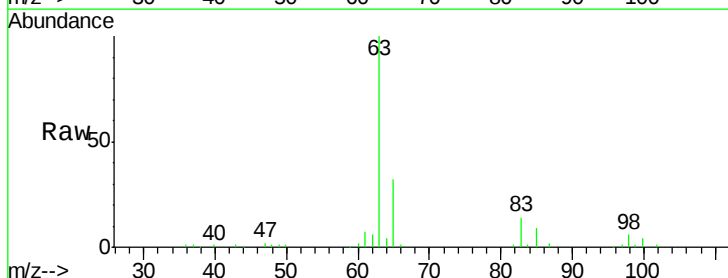
Tgt Ion: 63 Resp: 722997

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

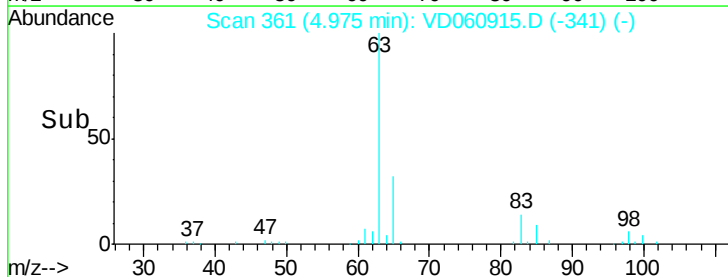
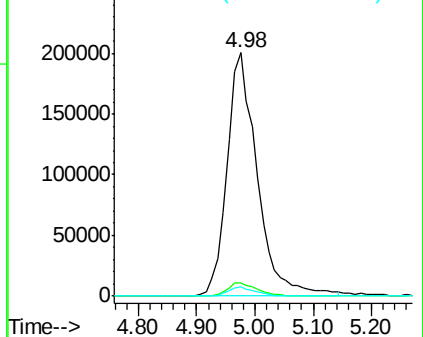
100 4.1 1.8 5.3

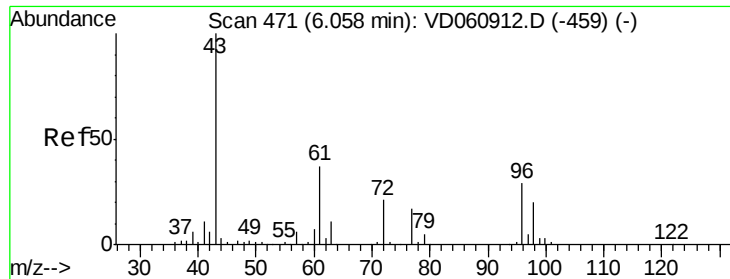


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 277.896 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

Tot Ion: 43 Resp: 622312

Ion Ratio Lower Upper

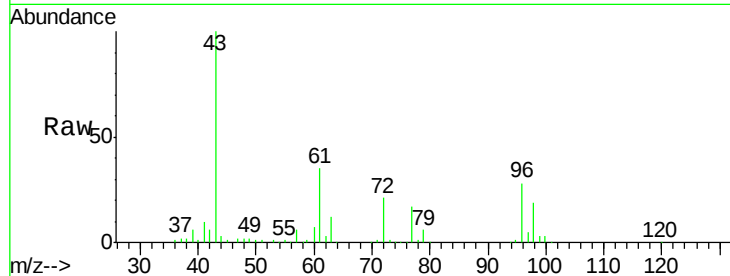
43 100

72 20.7 16.8 25.2

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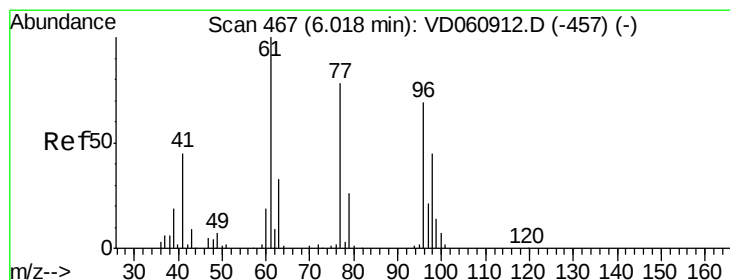
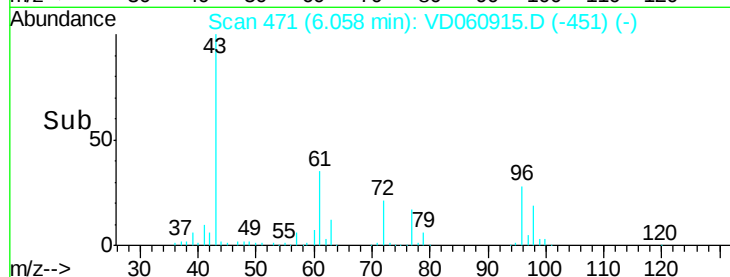
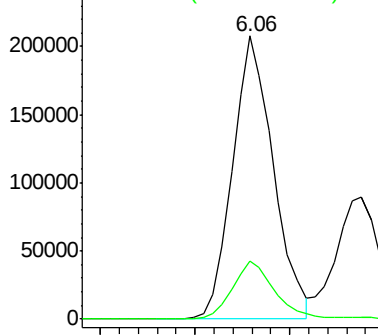
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.762 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD060915.D

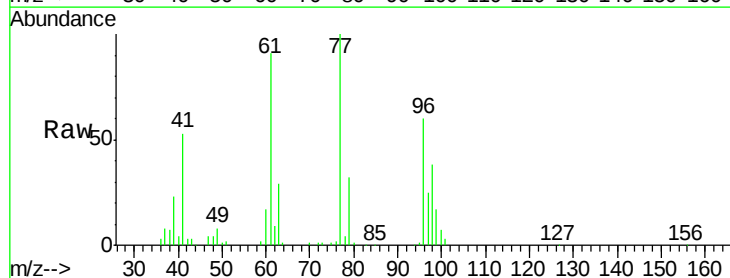
Acq: 1 Mar 2019 18:27

Tgt Ion: 77 Resp: 565345

Ion Ratio Lower Upper

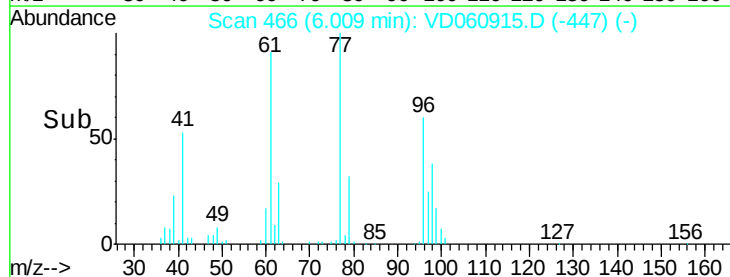
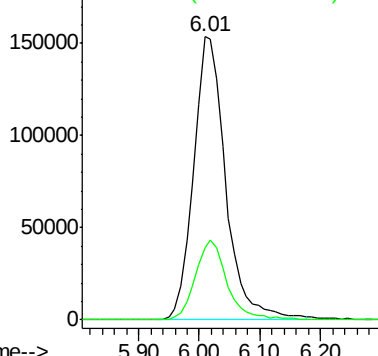
77 100

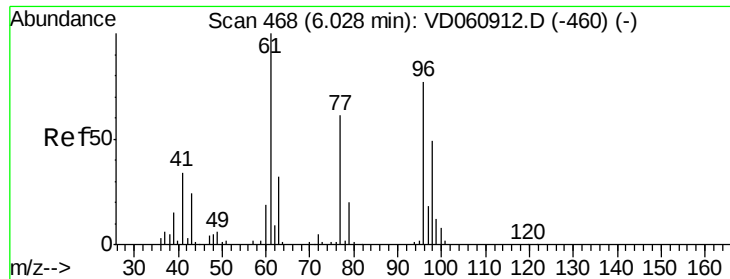
97 25.3 11.7 35.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

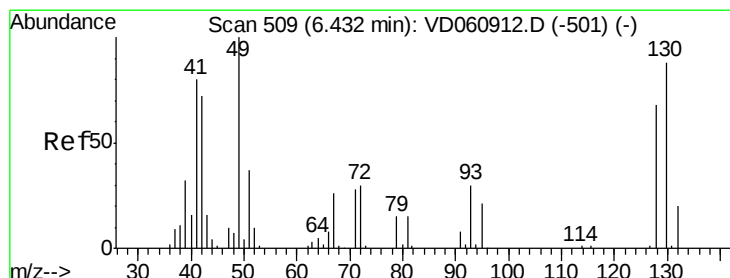
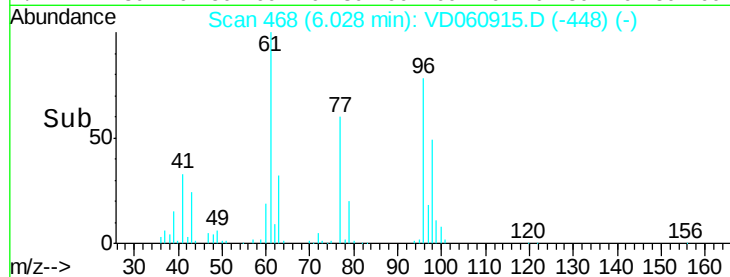
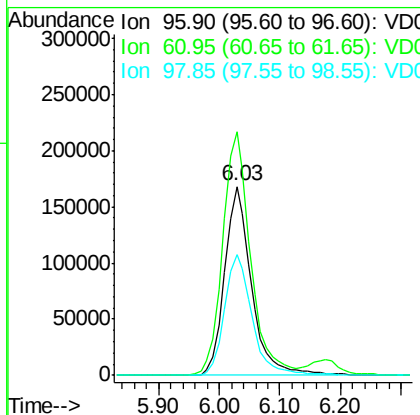
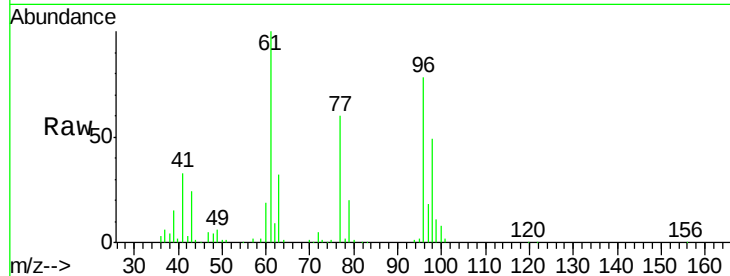
cis-1,2-Dichloroethene
Concen: 60.883 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion	Ratio	Resp	Lower	Upper
96	100	517222		
61	128.8	0.0	259.0	
98	63.7	0.0	132.4	

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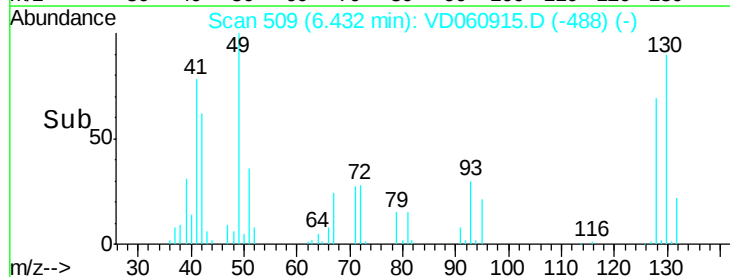
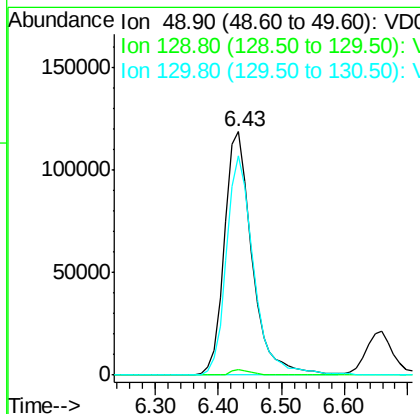
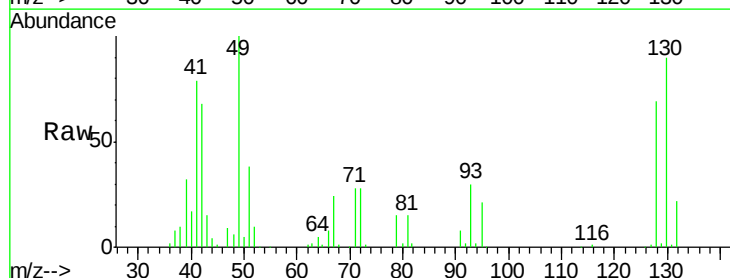
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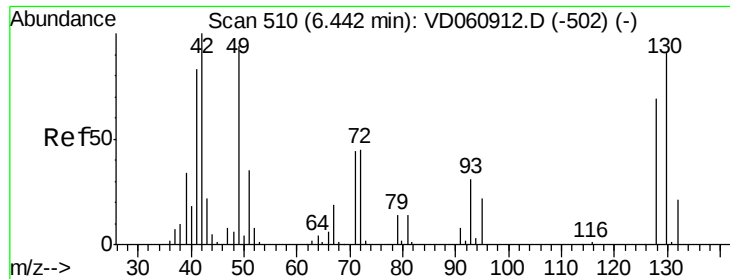


#28

Bromochloromethane
Concen: 75.335 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	361947		
129	2.1	0.0	3.8	
130	89.9	69.8	104.8	





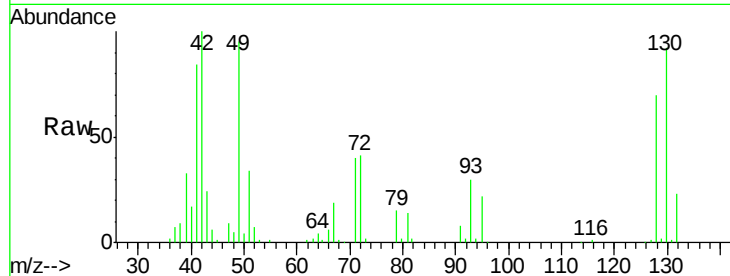
#29
Tetrahydrofuran
Concen: 299.391 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

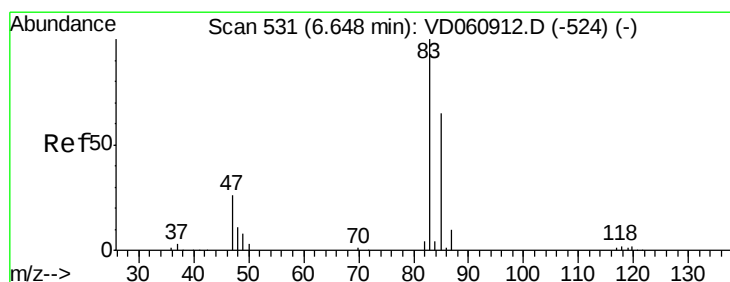
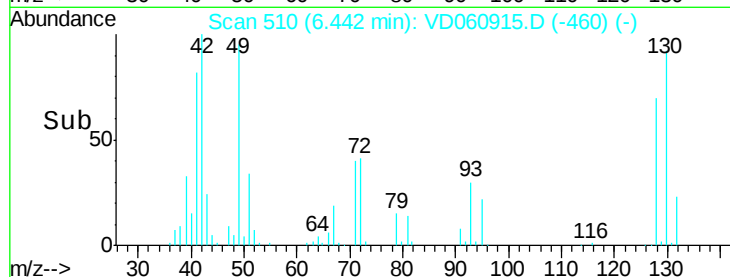
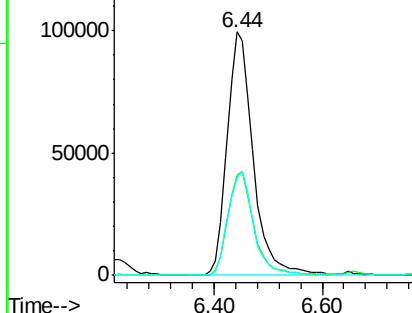
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	36.2	54.2
71	42.1	35.4	53.0

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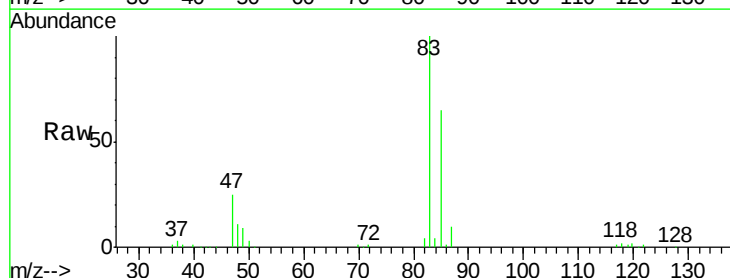


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

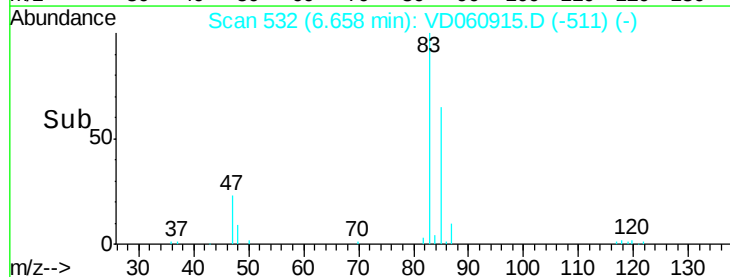
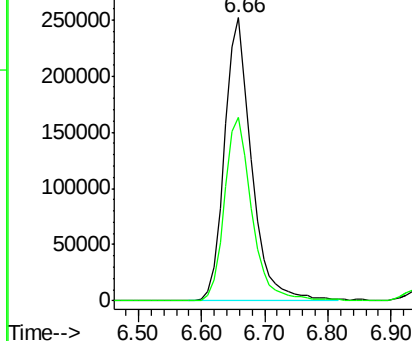


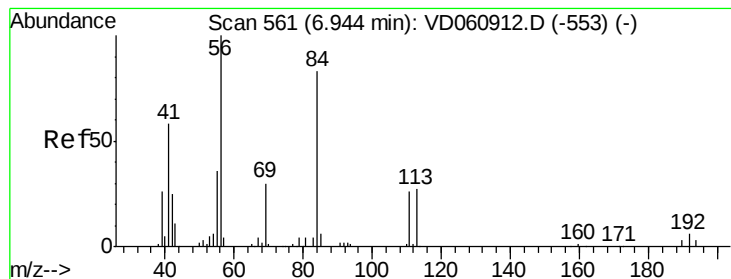
#30
Chloroform
Concen: 51.666 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.5	77.3



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 63.927 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

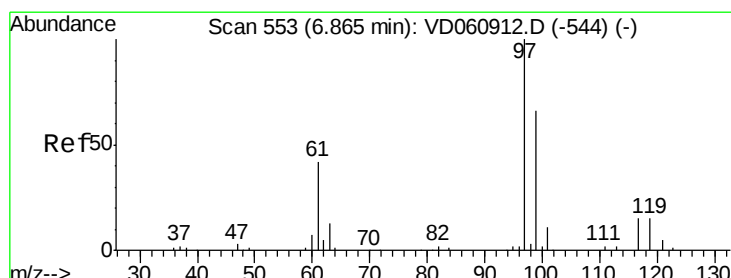
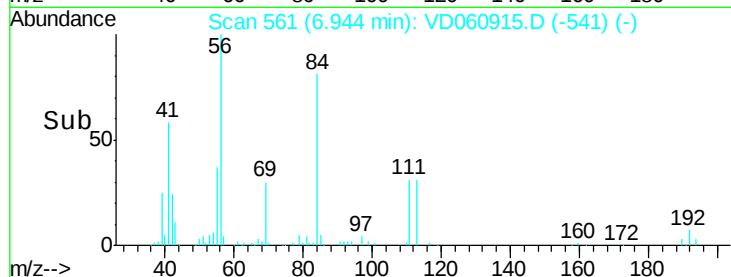
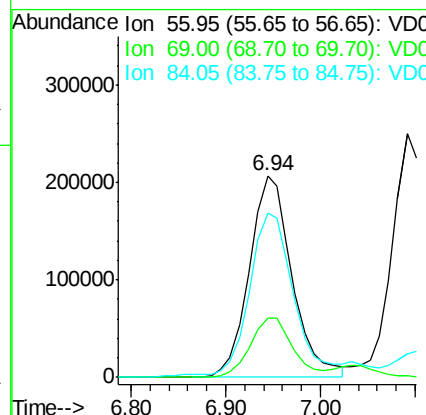
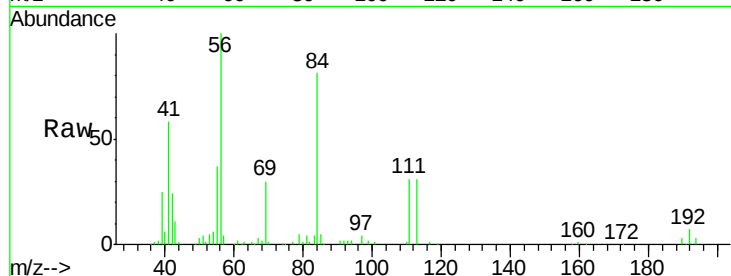
ClientSampleId :

ICVVD030119

Tot Ion:	56	Resp:	647570
Ion	Ratio	Lower	Upper
56	100		
69	29.7	25.3	37.9
84	81.3	78.1	117.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 56.586 ug/l

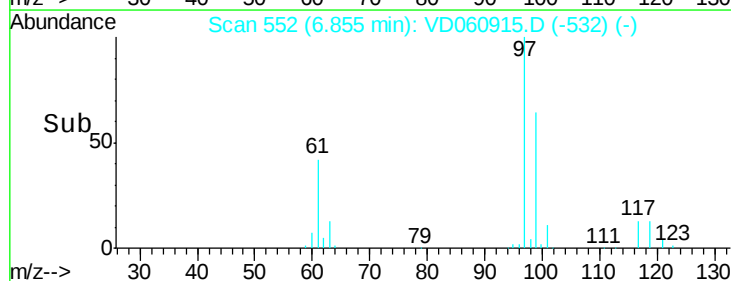
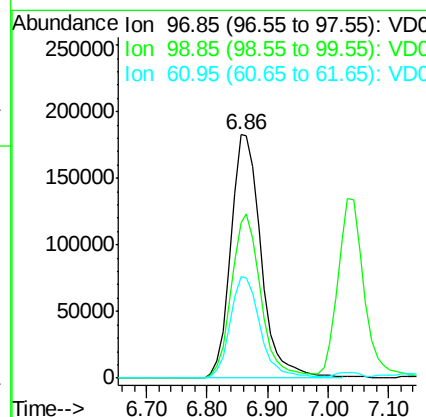
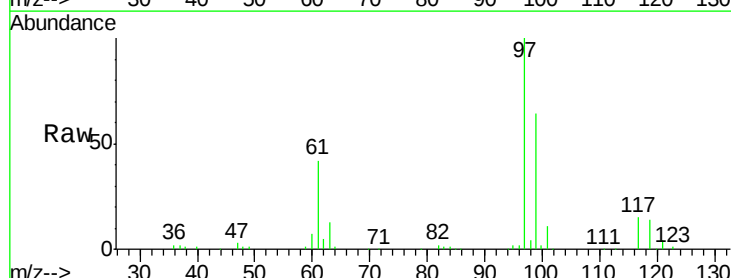
RT: 6.86 min Scan# 552

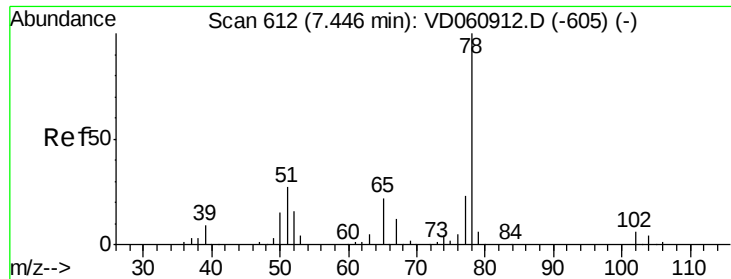
Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Tgt Ion:	97	Resp:	636455
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	41.8	31.9	47.9





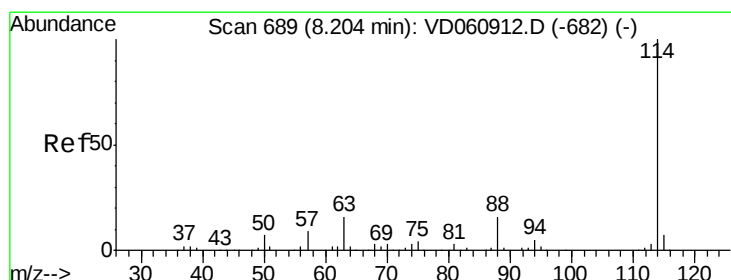
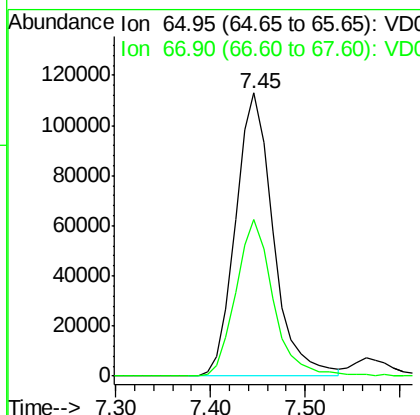
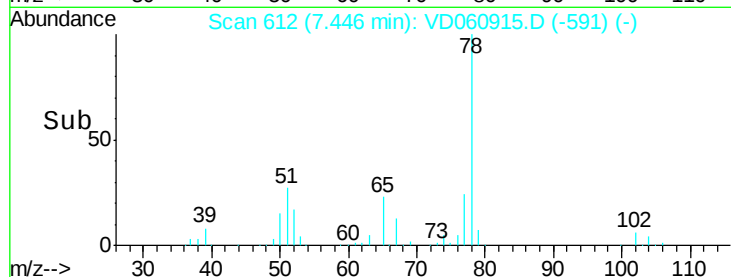
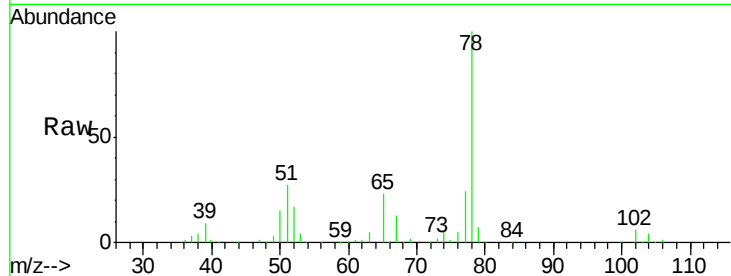
#33
 1,2-Dichloroethane-d4
 Concen: 56.586 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

Tot Ion: 65 Resp: 311634
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 106.0

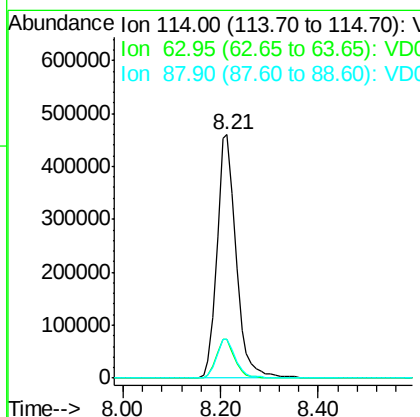
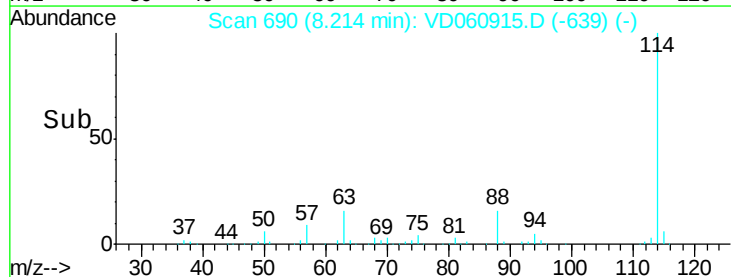
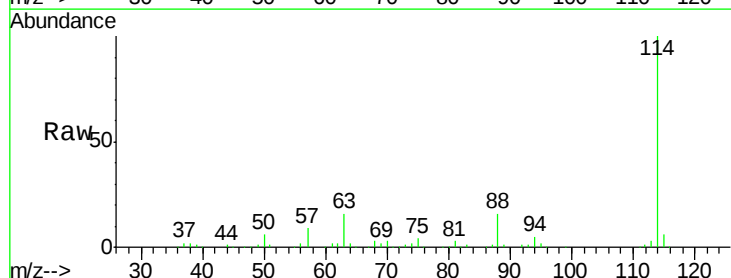
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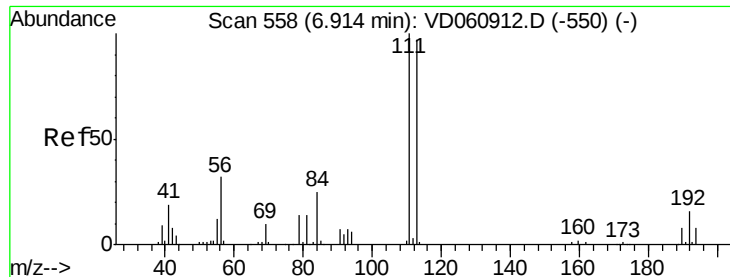
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Tgt Ion: 114 Resp: 1254227
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 34.8
 88 15.9 0.0 39.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

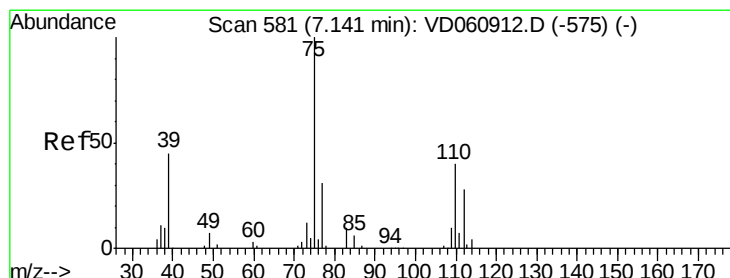
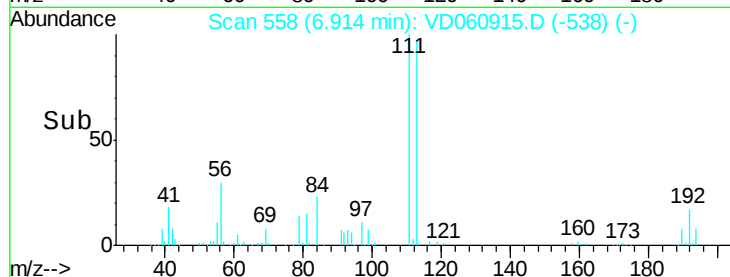
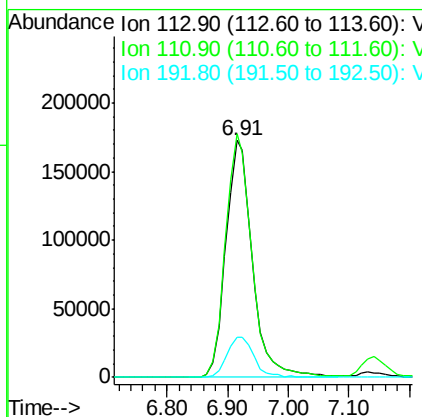
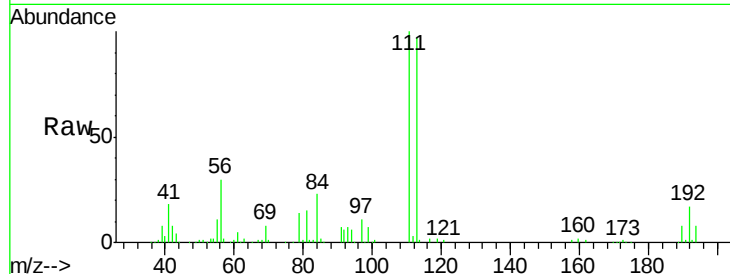
ClientSampleId :

ICVVD030119

Tot Ion:	113	Resp:	525212
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.9	122.9
192	17.1	16.9	25.3

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#36

1,1-Dichloropropene

Concen: 43.486 ug/l

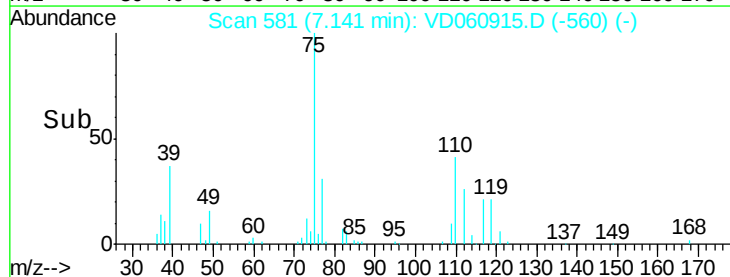
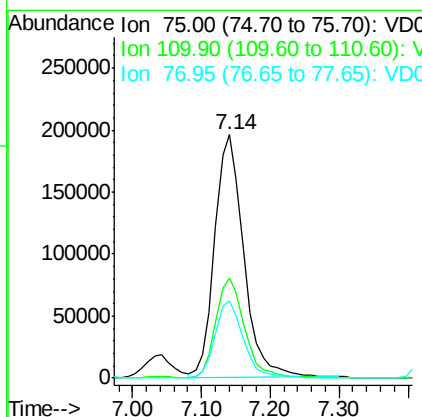
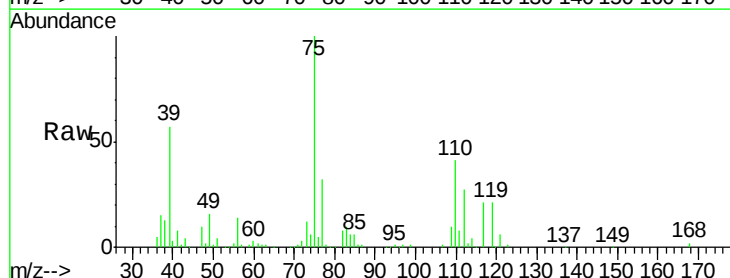
RT: 7.14 min Scan# 581

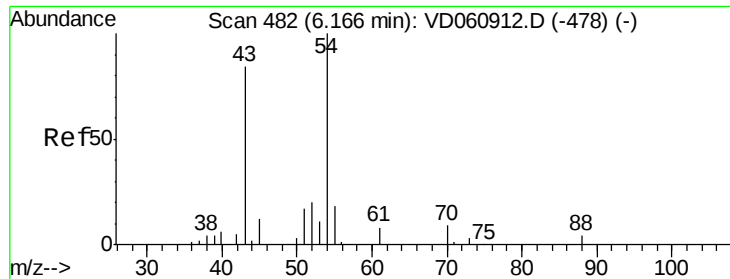
Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Tgt Ion:	75	Resp:	570637
Ion	Ratio	Lower	Upper
75	100		
110	41.2	16.8	50.3
77	31.7	25.8	38.8





#37

Ethyl Acetate

Concen: 48.236 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.00 min

Lab File: VD060915.D

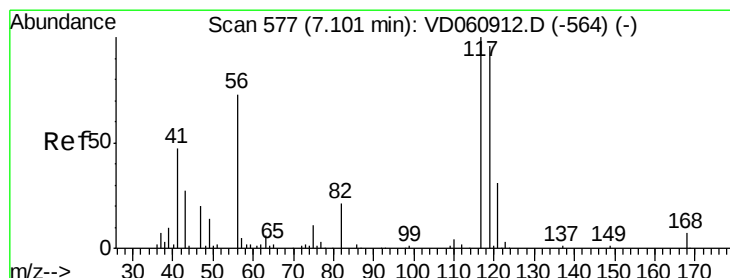
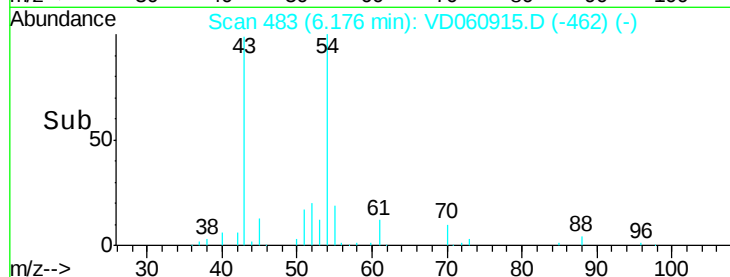
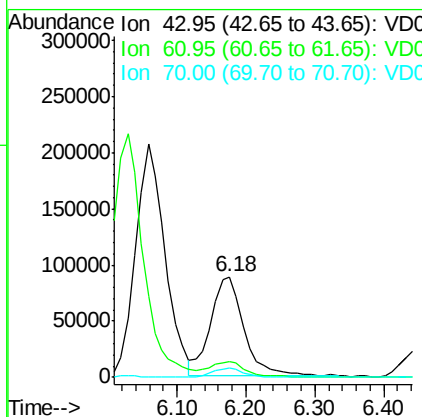
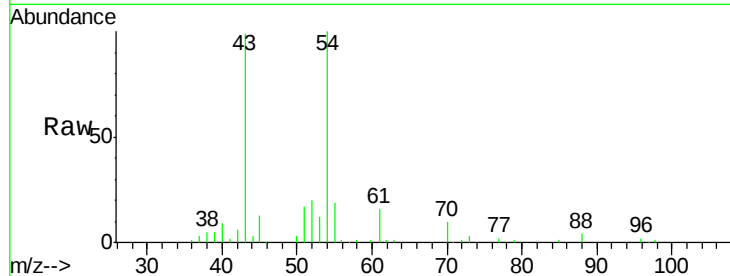
Acq: 1 Mar 2019 18:27

Tot Ion:	43	Resp:	297573
Ion	Ratio	Lower	Upper
43	100		
61	16.2	12.5	18.7
70	9.8	7.9	11.9

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 54.183 ug/l

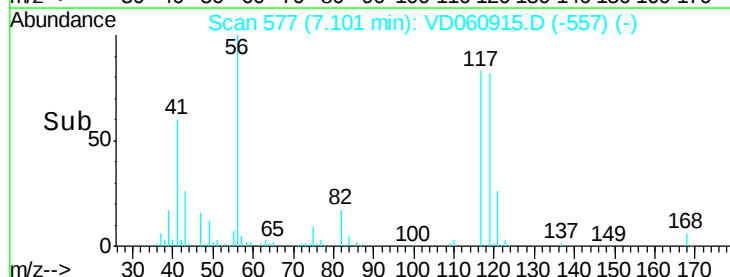
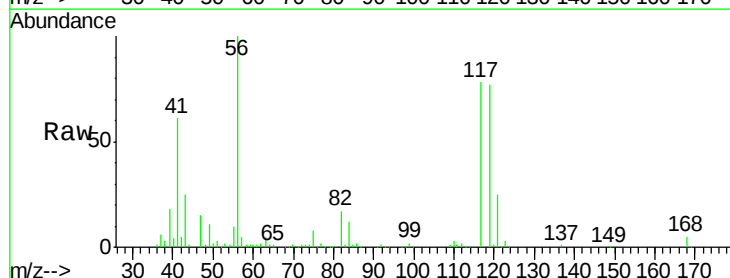
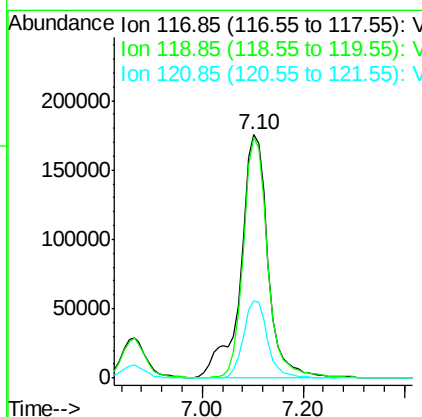
RT: 7.10 min Scan# 577

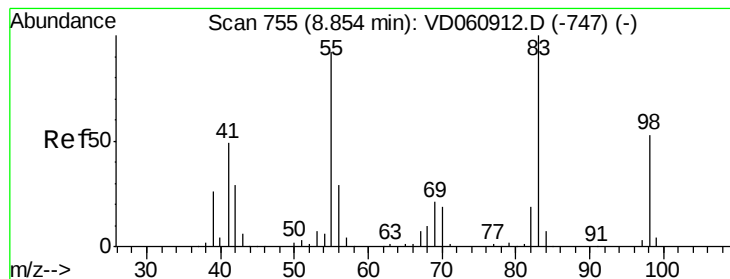
Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Tgt Ion:	117	Resp:	659729
Ion	Ratio	Lower	Upper
117	100		
119	99.0	77.2	115.8
121	31.6	25.0	37.4





#39

Methvlcvclohexane

Concen: 41.603 ug/l

RT: 8.85 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

Tot Ion: 83 Resp: 580328

Ion Ratio Lower Upper

83 100

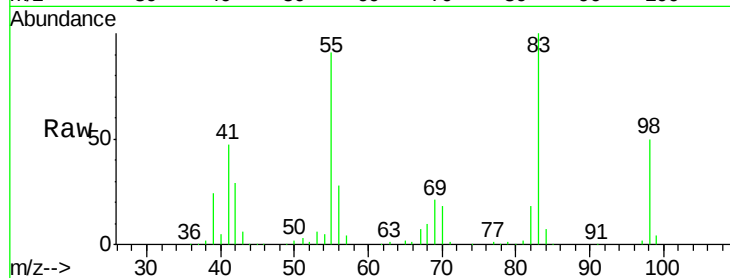
55 90.9 58.8 88.2#

98 49.8 36.8 55.2

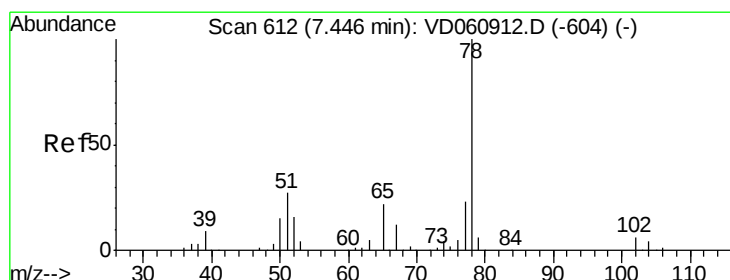
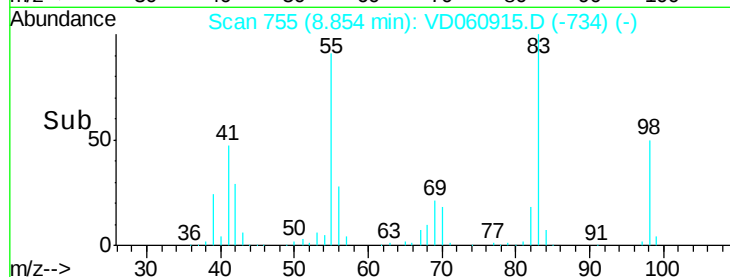
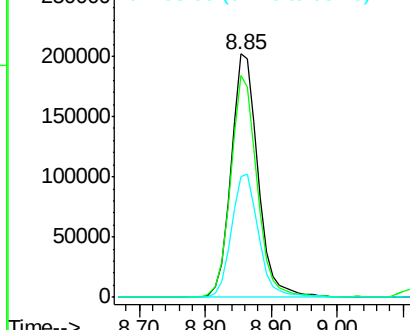
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Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 44.816 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD060915.D

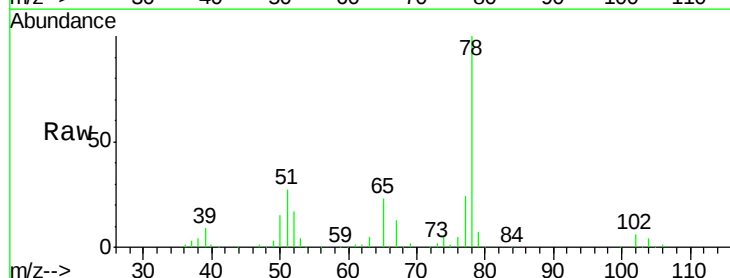
Acq: 1 Mar 2019 18:27

Tgt Ion: 78 Resp: 1461516

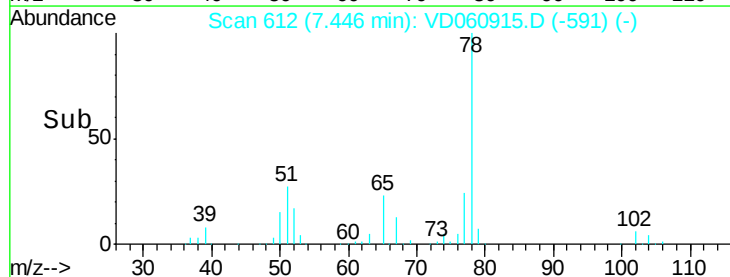
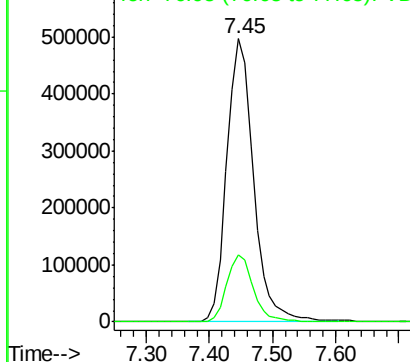
Ion Ratio Lower Upper

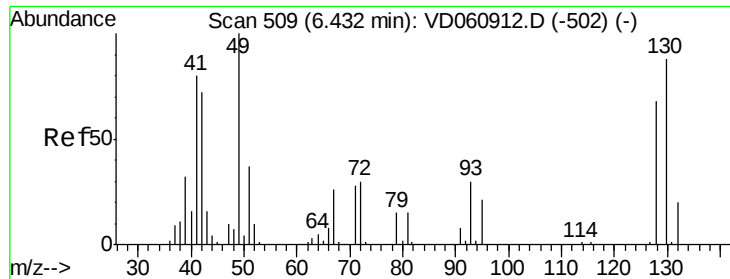
78 100

77 23.9 18.9 28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 52.222 ug/l m

RT: 6.43 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

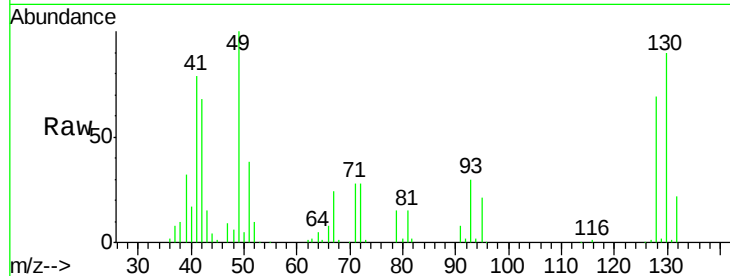
ClientSampleId :

ICVVD030119

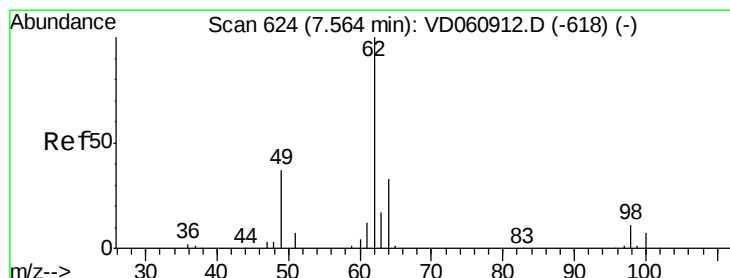
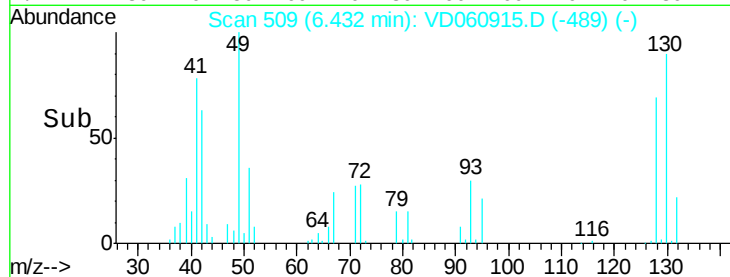
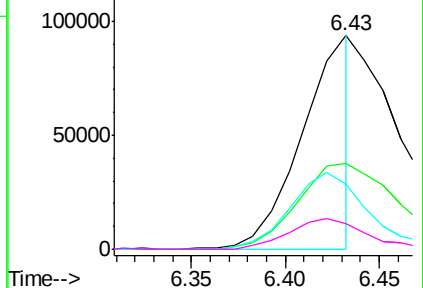
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	40.1	36.9	55.3	
67	30.7	24.9	37.3	
52	12.2	10.1	15.1	

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Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 45.657 ug/l

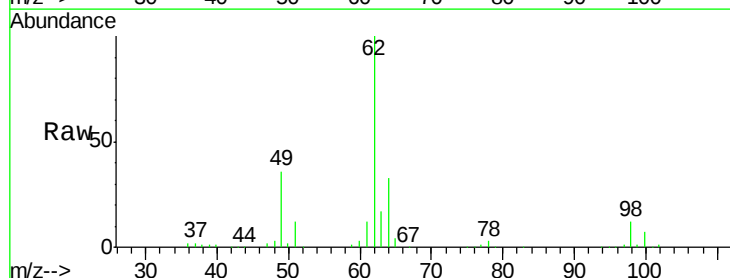
RT: 7.57 min Scan# 625

Delta R.T. 0.00 min

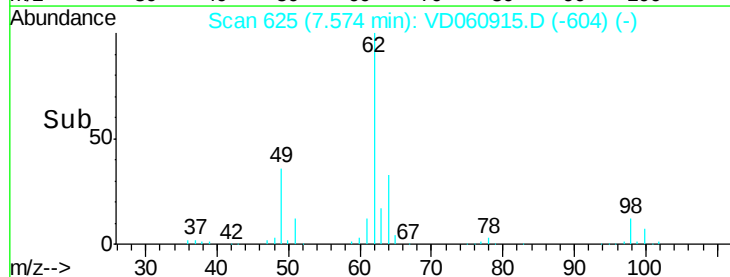
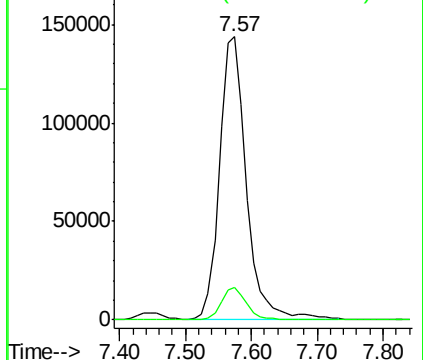
Lab File: VD060915.D

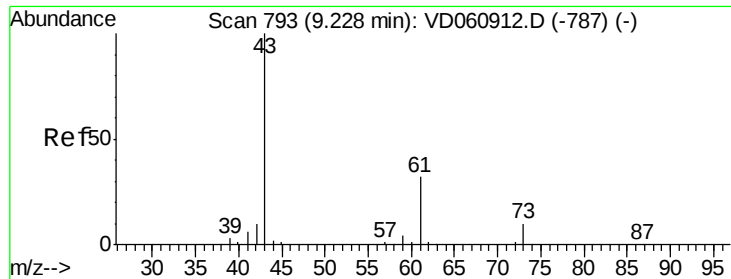
Acq: 1 Mar 2019 18:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.6	0.0	21.6	



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

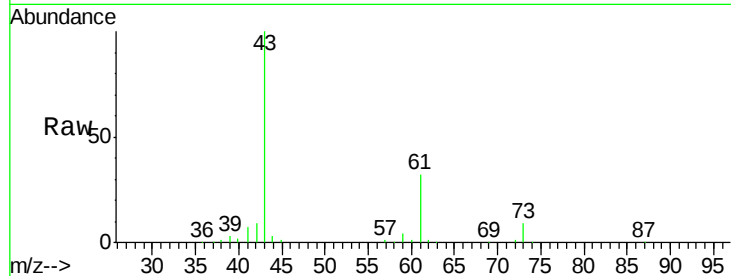
Isopropyl Acetate
 Concen: 48.073 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

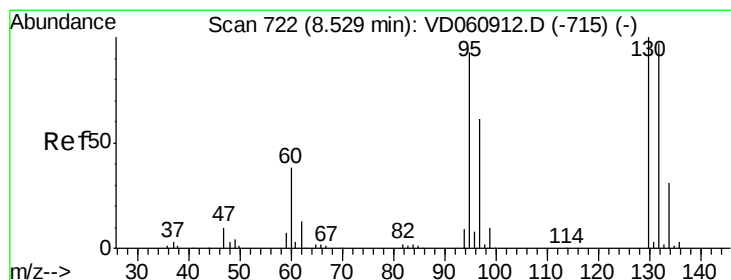
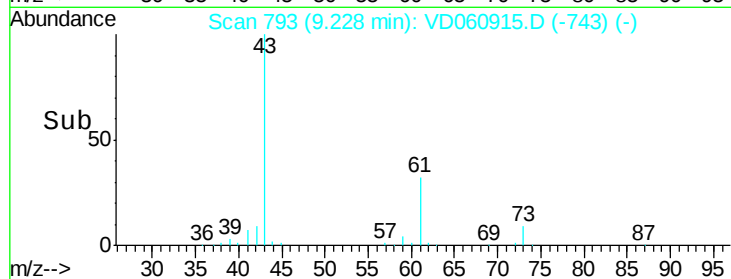
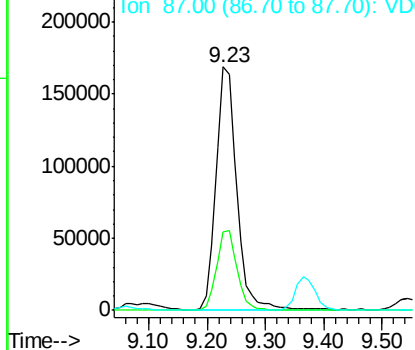
Tot Ion	Ratio	Lower	Upper
43	100		
61	32.3	25.4	38.2
87	0.2	0.3	0.5

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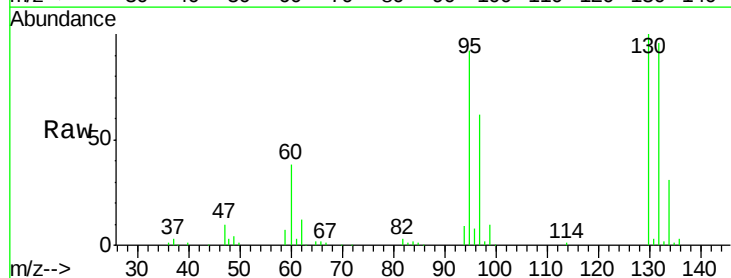
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



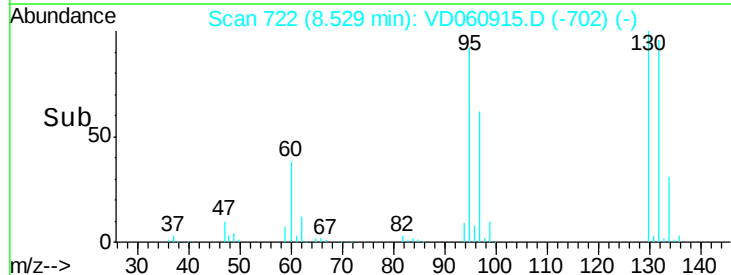
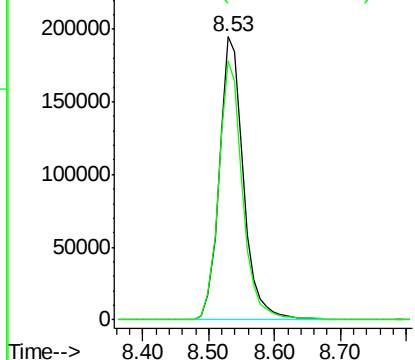
#44

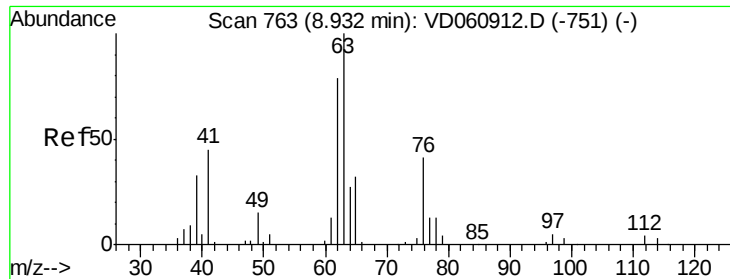
Trichloroethene
 Concen: 46.666 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	179.6



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





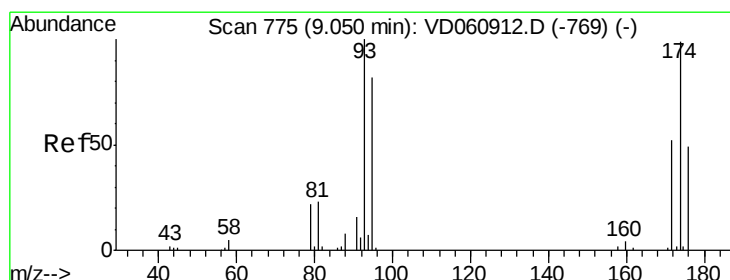
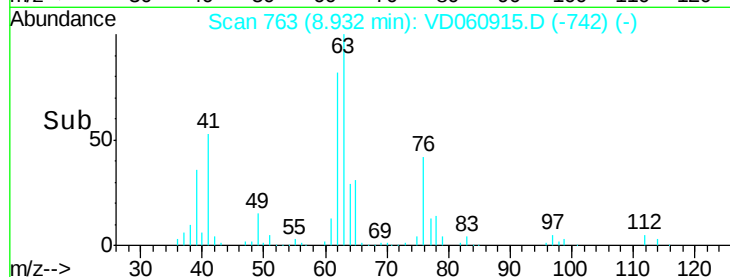
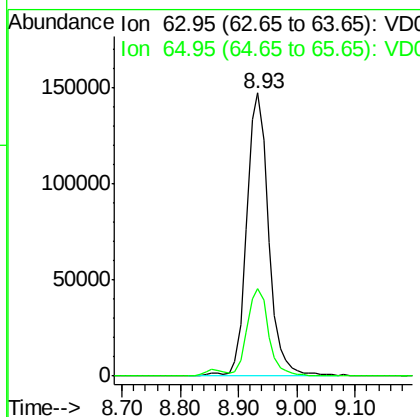
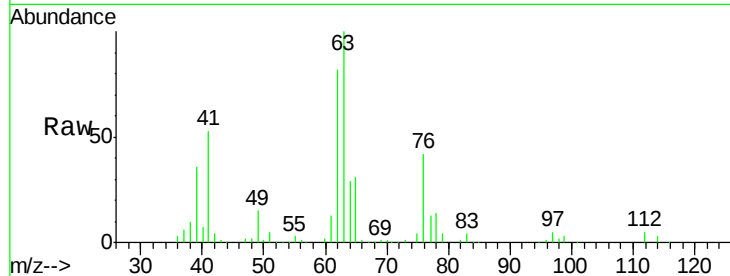
#45
 1,2-Dichloropropane
 Concen: 51.123 ug/l
 RT: 8.93 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

Tot Ion: 63 Resp: 389439
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 36.8

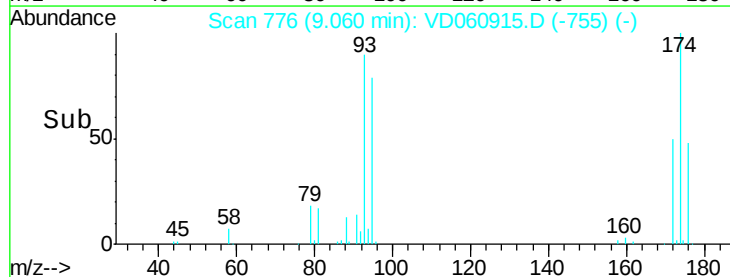
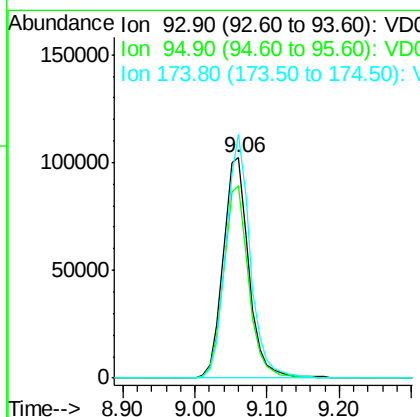
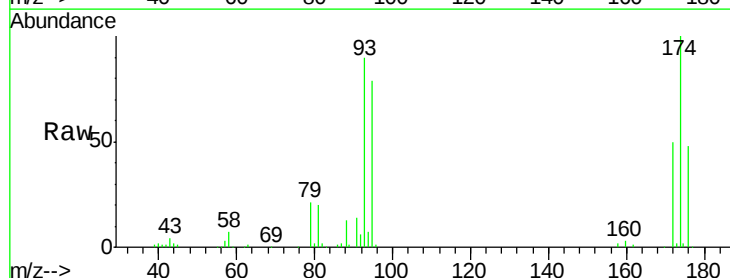
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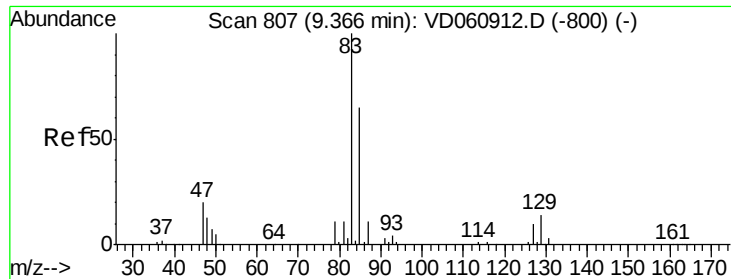
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#46
 Dibromomethane
 Concen: 45.759 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Tgt Ion: 93 Resp: 250458
 Ion Ratio Lower Upper
 93 100
 95 87.2 64.0 96.0
 174 110.7 93.1 139.7





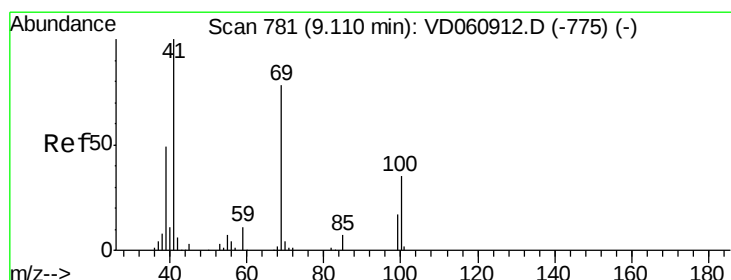
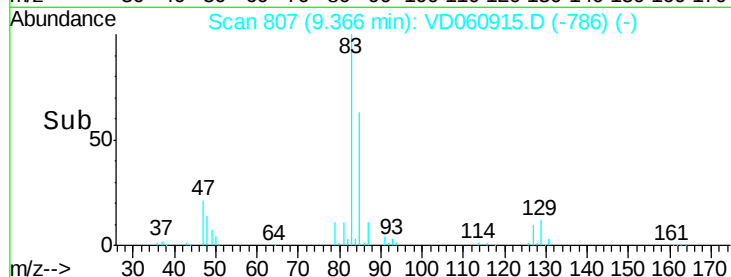
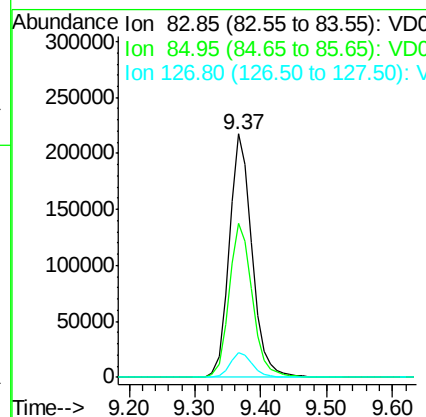
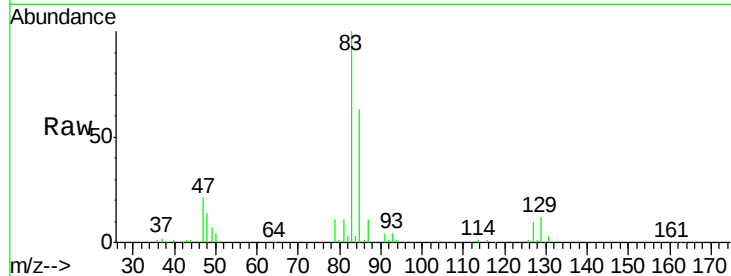
#47
Bromodichloromethane
Concen: 40.510 ug/l
RT: 9.37 min Scan# 807
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.5	50.8	76.2	
127	10.1	7.3	10.9	

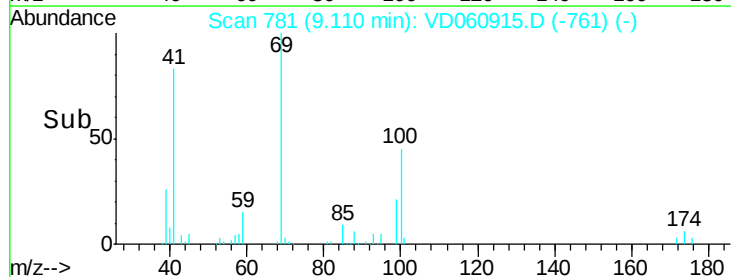
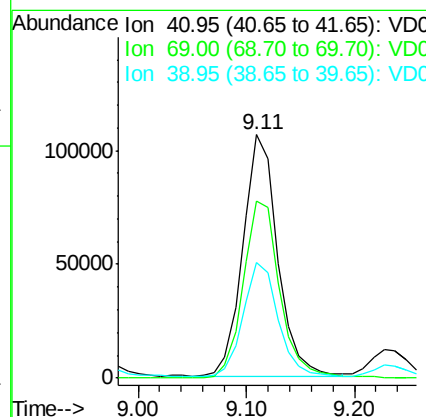
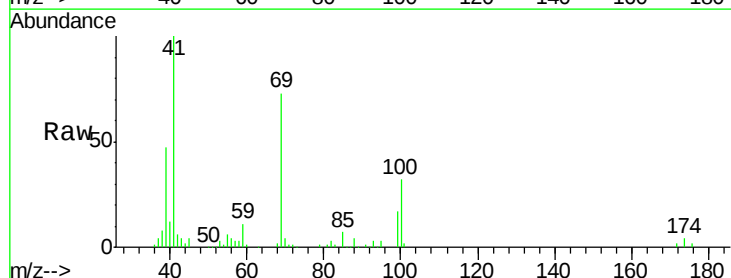
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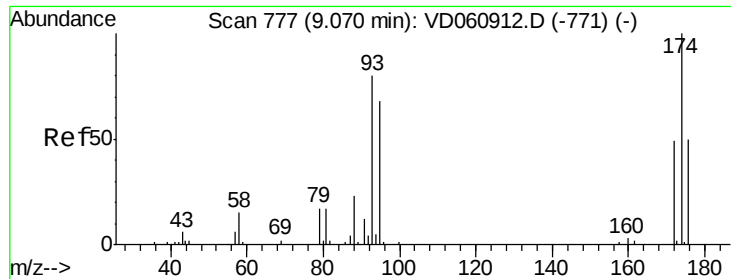
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#48
Methyl methacrylate
Concen: 47.189 ug/l
RT: 9.11 min Scan# 781
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	72.6	61.4	92.2	
39	47.4	42.1	63.1	





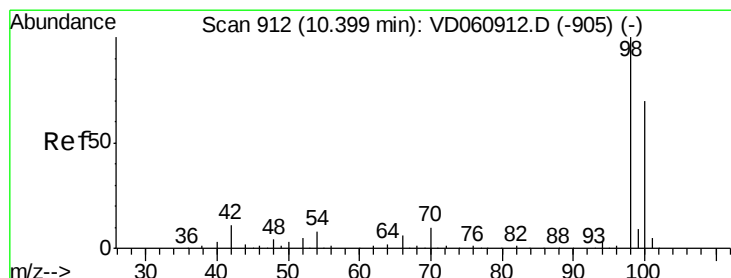
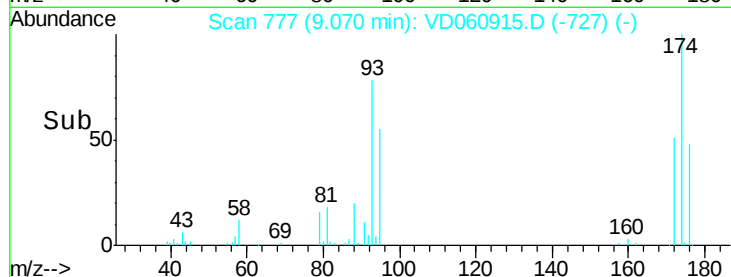
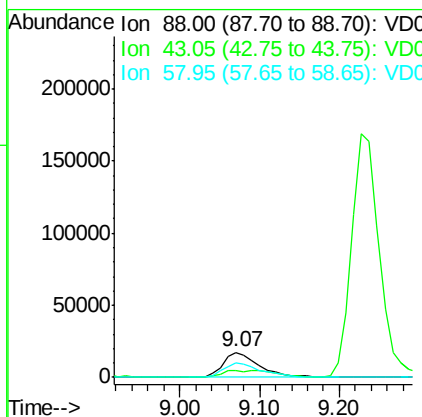
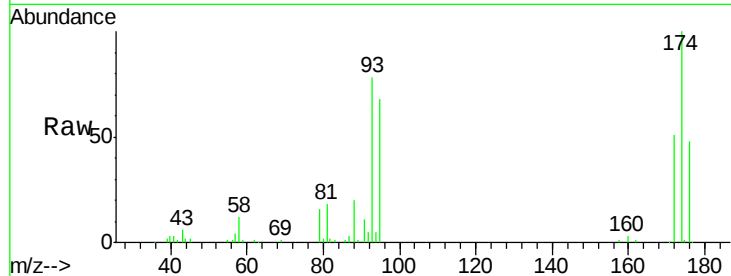
#49
1,4-Dioxane
Concen: 1020.329 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.3	20.3	30.5
58	60.3	40.6	61.0

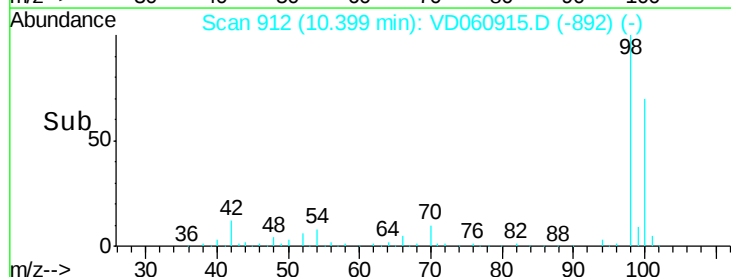
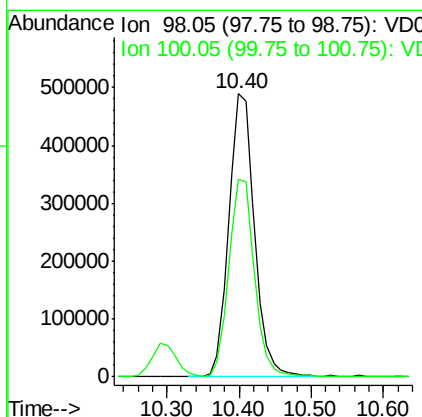
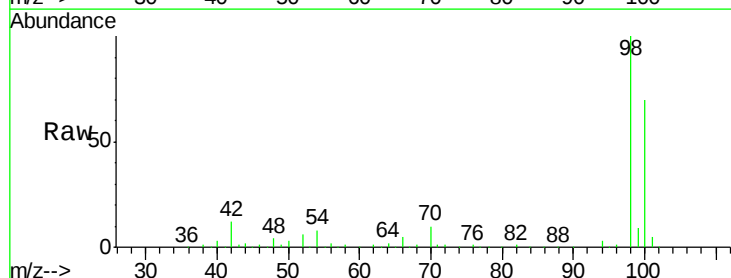
Manual Integrations
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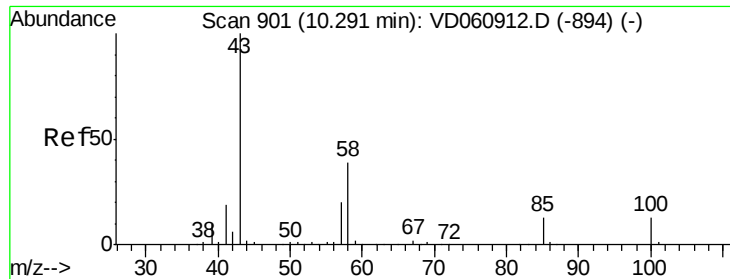
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3/6/2019 5:33:12 AM



#50
Toluene-d8
Concen: 1020.329 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.9	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 216.372 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Tot Ion: 43 Resp: 1166361

Ion Ratio Lower Upper

43 100

58 37.8 26.8 40.2

Instrument :

MSVOA_D

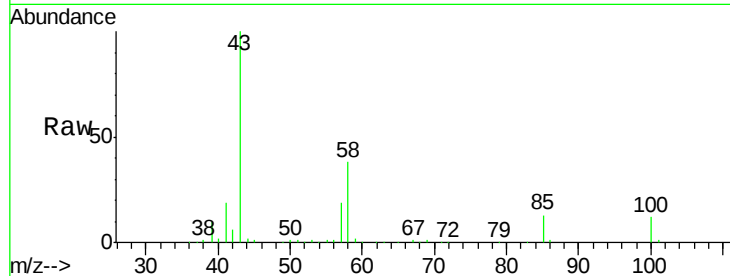
ClientSampleId :

ICVVD030119

Manual Integrations
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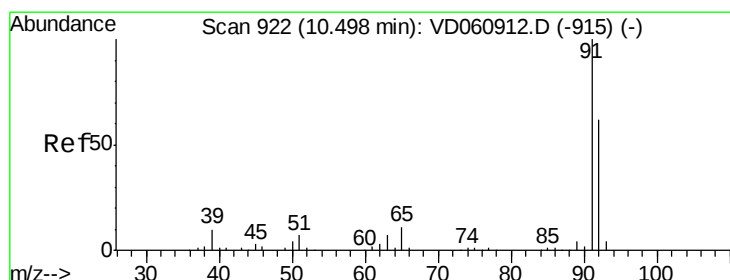
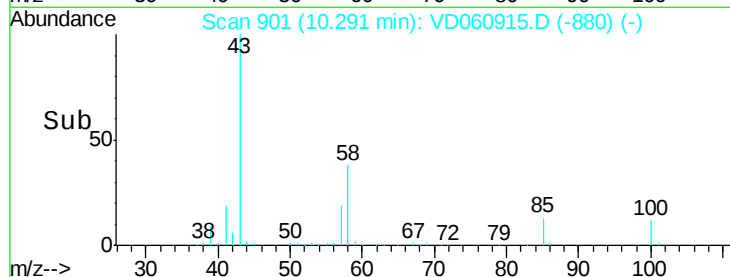
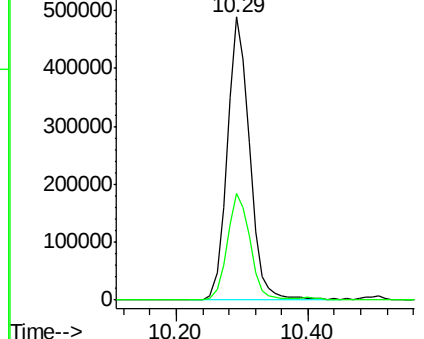
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 46.761 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD060915.D

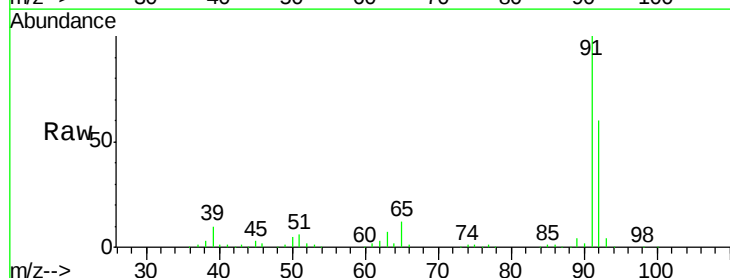
Acq: 1 Mar 2019 18:27

Tgt Ion: 92 Resp: 883209

Ion Ratio Lower Upper

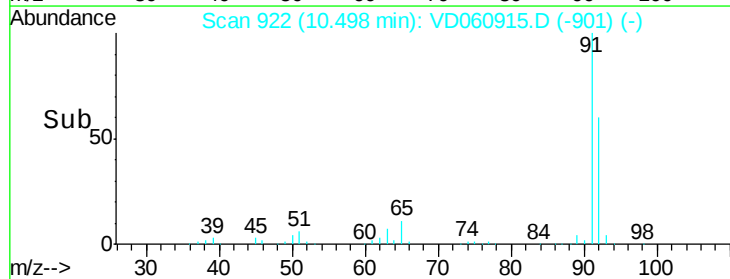
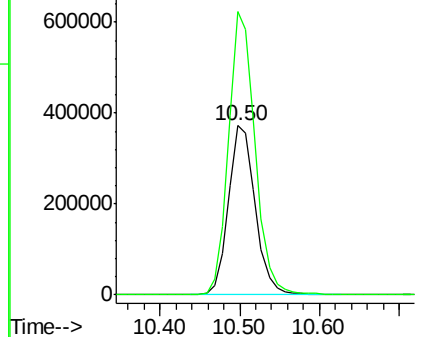
92 100

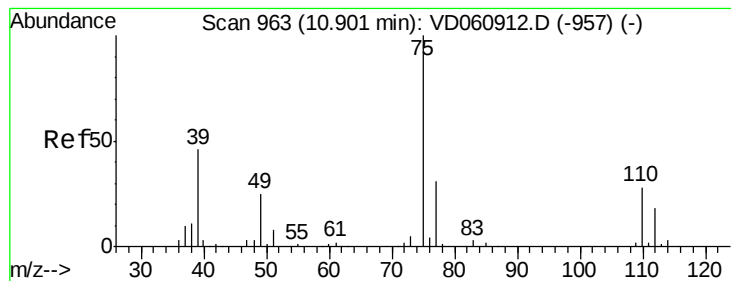
91 167.6 132.1 198.1



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: 42.012 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Tot Ion: 75 Resp: 503439

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2

Instrument :

MSVOA_D

ClientSampleId :

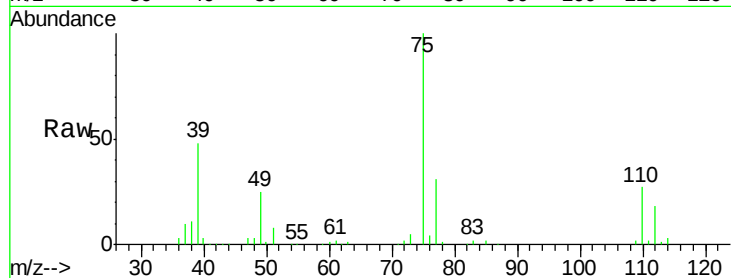
ICVVD030119

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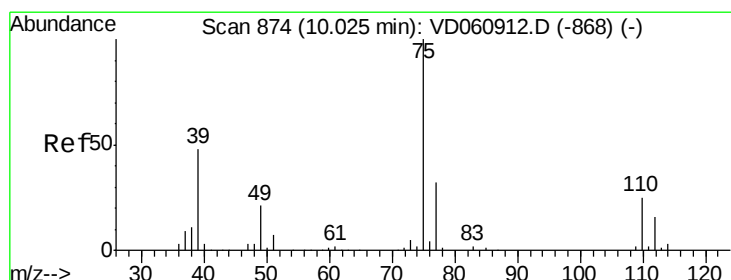
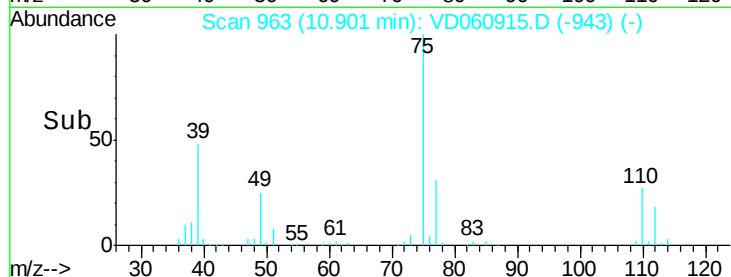
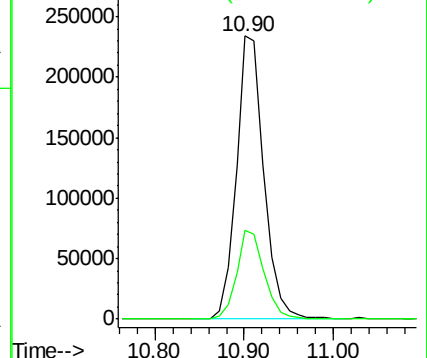
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 44.240 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

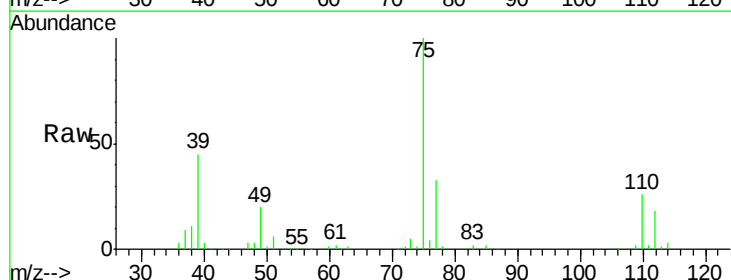
Tgt Ion: 75 Resp: 610778

Ion Ratio Lower Upper

75 100

77 33.0 26.1 39.1

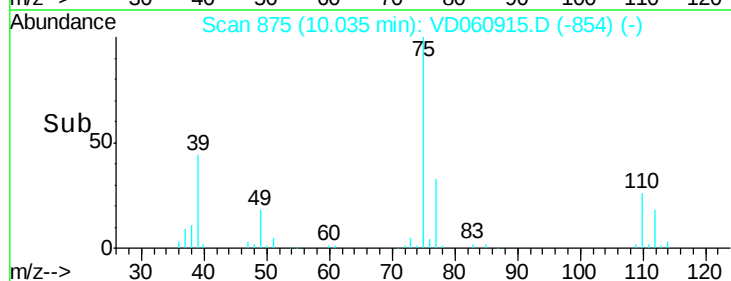
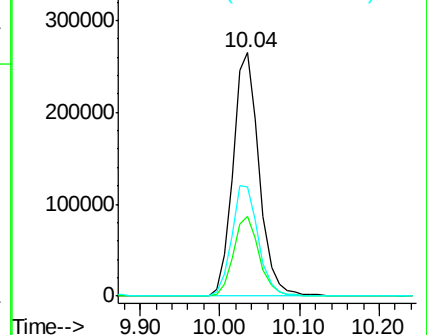
39 45.1 36.6 54.8

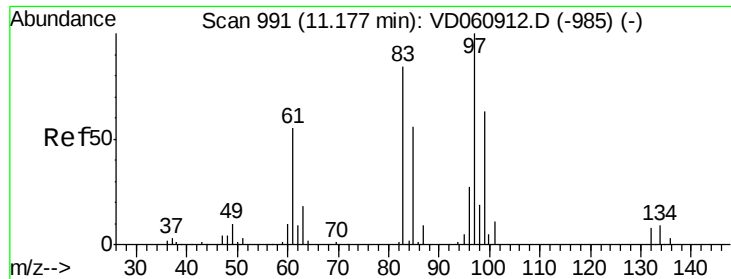


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 45.145 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

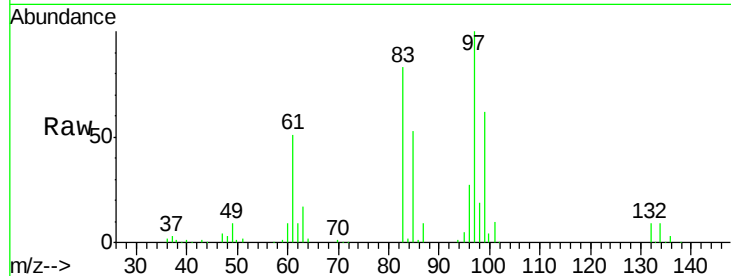
ClientSampleId :

ICVVD030119

Tot Ion:	97	Resp:	292490
Ion	Ratio	Lower	Upper
97	100		
83	83.0	73.0	109.6
85	53.5	47.6	71.4
99	62.3	47.9	71.9

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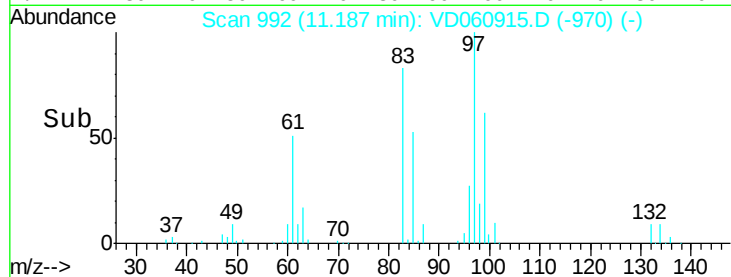
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

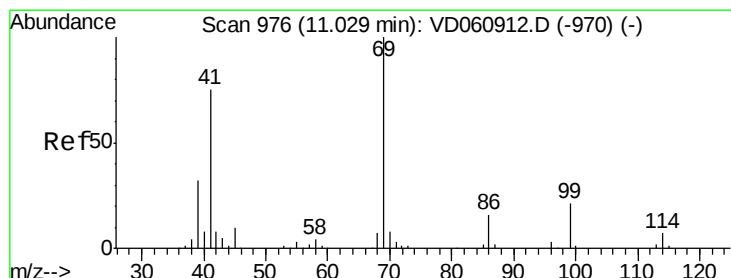
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC

Time-->



Time-->



#56

Ethyl methacrylate

Concen: 46.334 ug/l

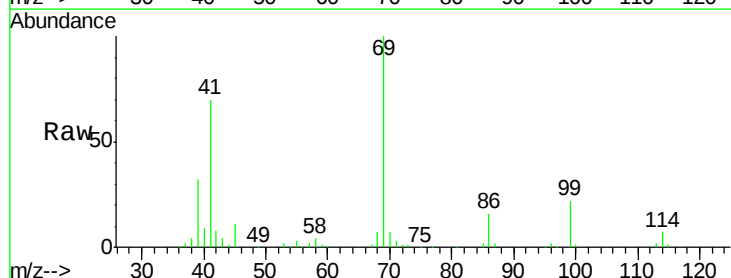
RT: 11.04 min Scan# 977

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Tgt Ion:	69	Resp:	341615
Ion	Ratio	Lower	Upper
69	100		
41	70.2	58.2	87.2
39	32.2	30.8	46.2

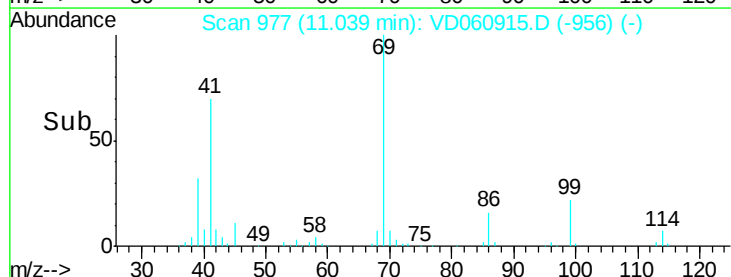


Abundance Ion 69.00 (68.70 to 69.70): VDC

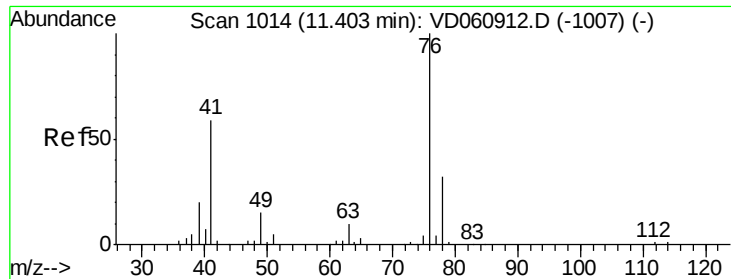
Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Time-->



Time-->



#57

1,3-Dichloropropane

Concen: 42.435 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

Tot Ion: 76 Resp: 452798

Ion Ratio Lower Upper

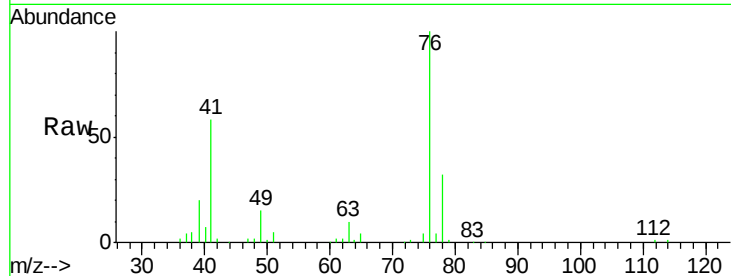
76 100

78 31.8 25.2 37.8

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

250000

200000

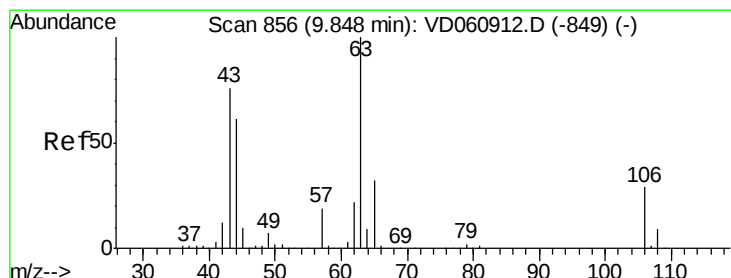
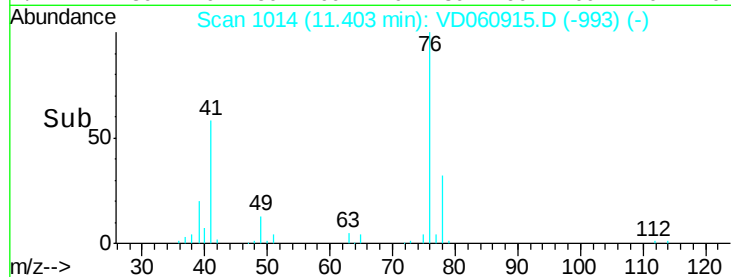
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 246.656 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD060915.D

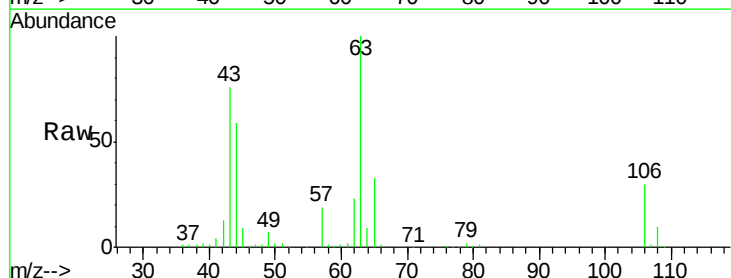
Acq: 1 Mar 2019 18:27

Tgt Ion: 63 Resp: 871308

Ion Ratio Lower Upper

63 100

106 30.3 23.0 34.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

400000

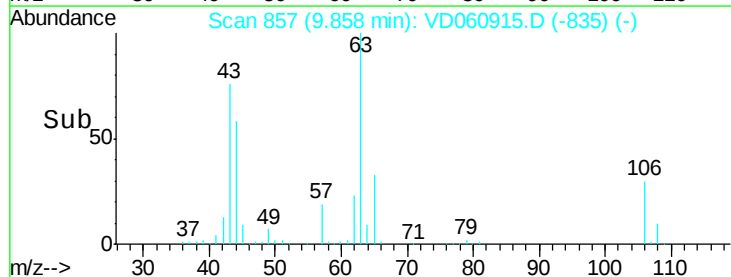
300000

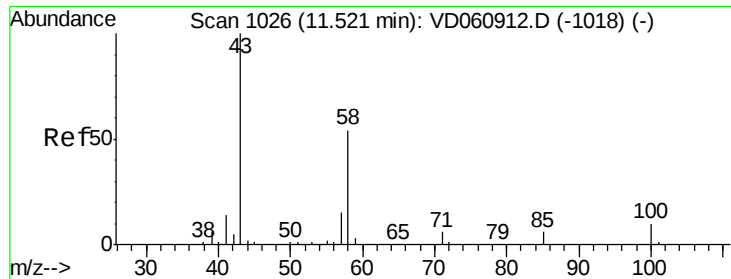
200000

100000

0

Time-->





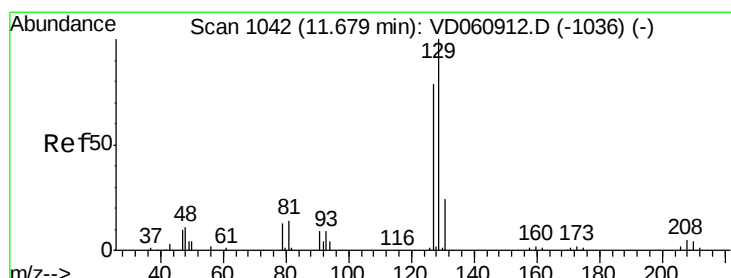
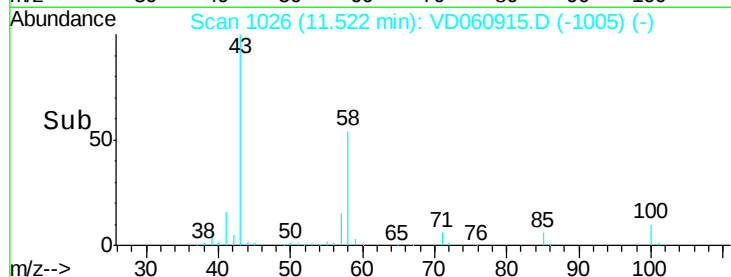
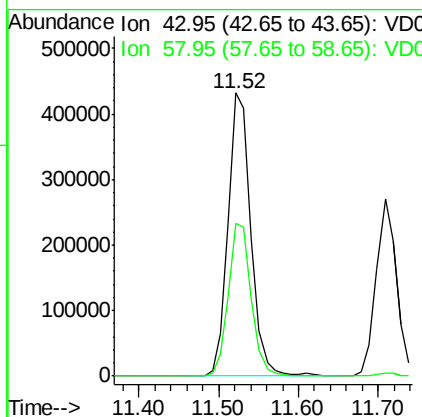
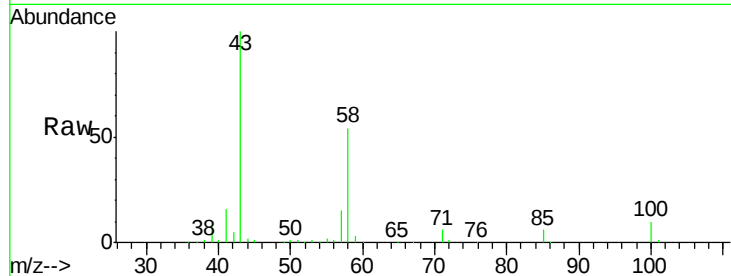
#59
2-Hexanone
Concen: 211.245 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion: 43 Resp: 874248
Ion Ratio Lower Upper
43 100
58 54.0 25.4 76.2

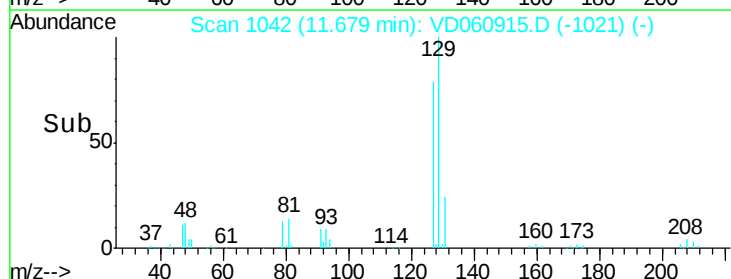
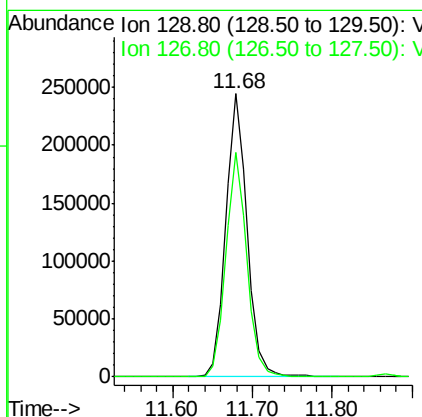
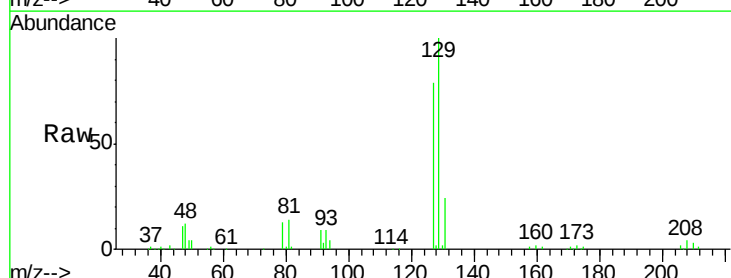
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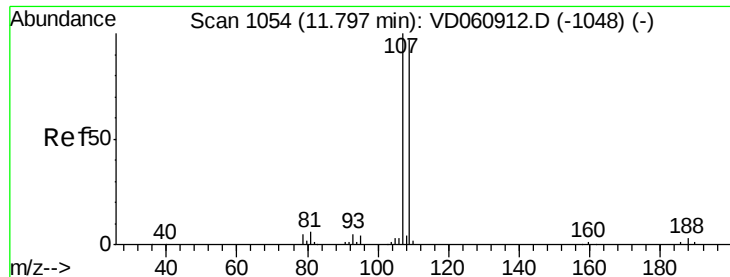
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#60
Dibromochloromethane
Concen: 49.539 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion:129 Resp: 461208
Ion Ratio Lower Upper
129 100
127 79.5 38.5 115.3





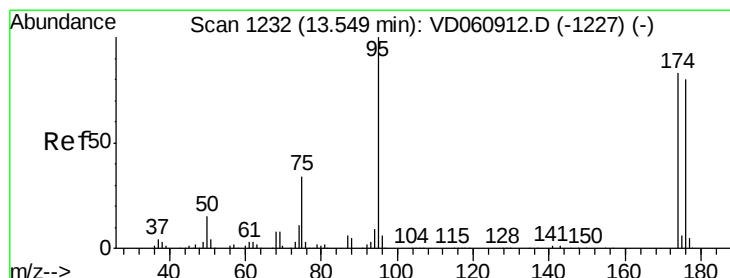
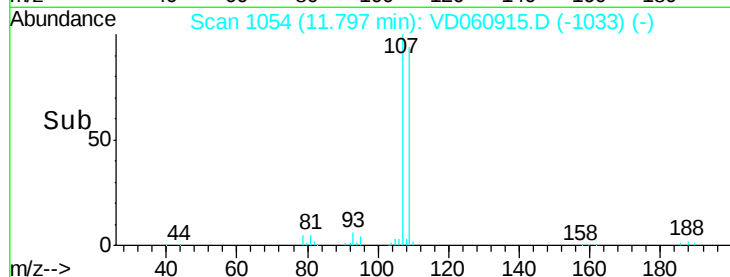
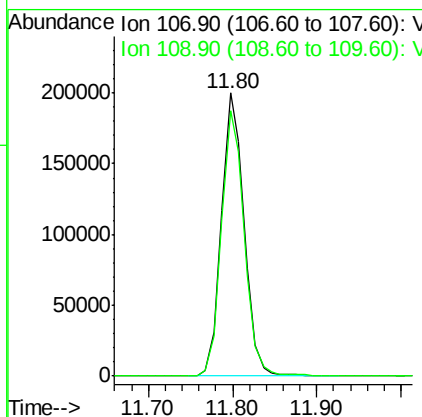
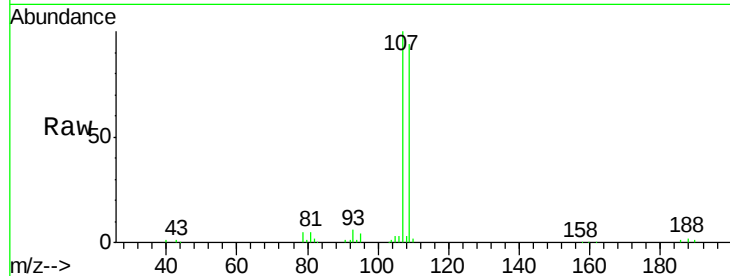
#61
1,2-Dibromoethane
Concen: 50.824 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.0	112.6

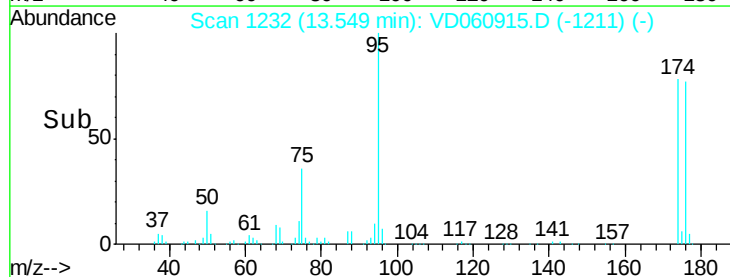
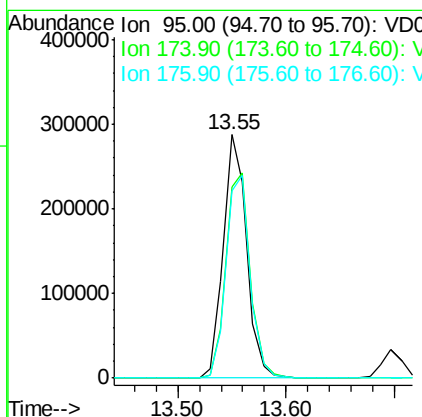
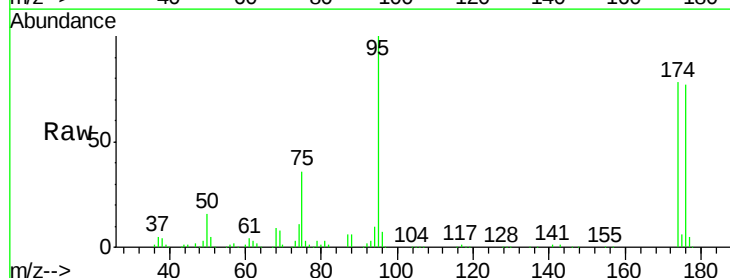
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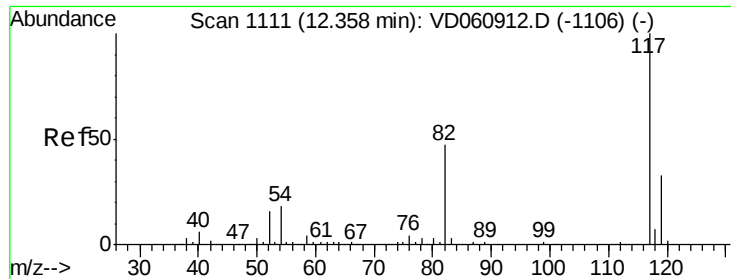
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#62
4-Bromofluorobenzene
Concen: 50.824 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.4	0.0	207.2
176	77.2	0.0	198.4





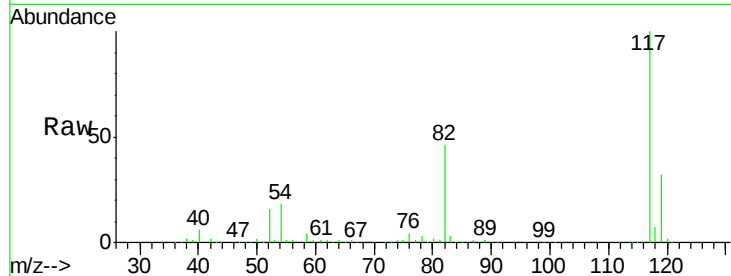
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

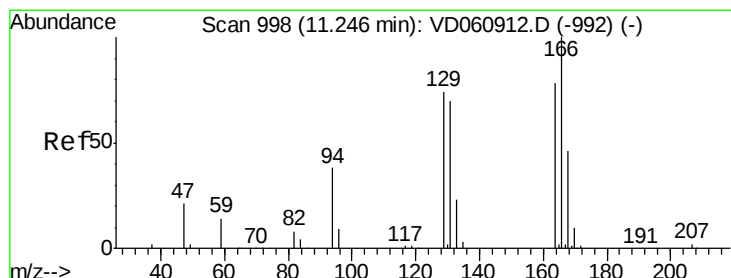
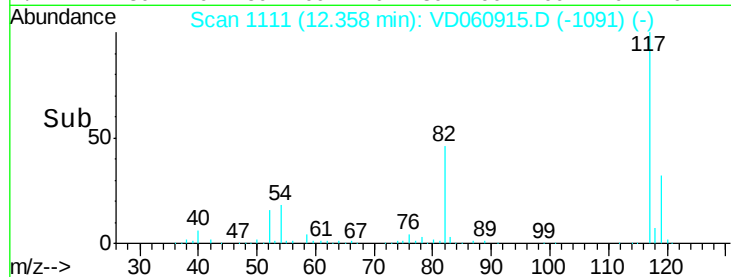
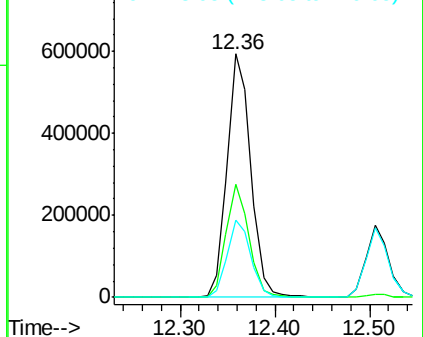
Tot Ion:117 Resp: 1029047
Ion Ratio Lower Upper
117 100
82 46.5 45.5 68.3
119 31.9 25.7 38.5

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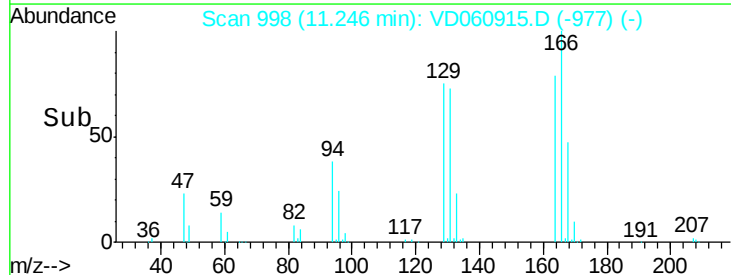
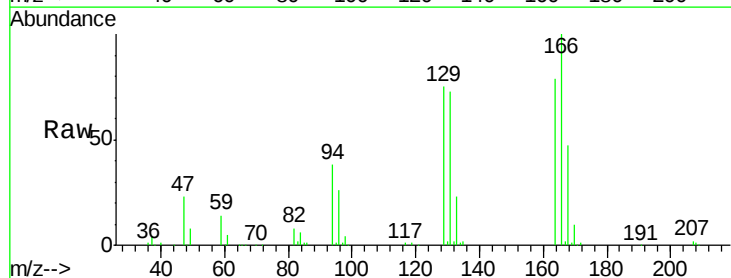
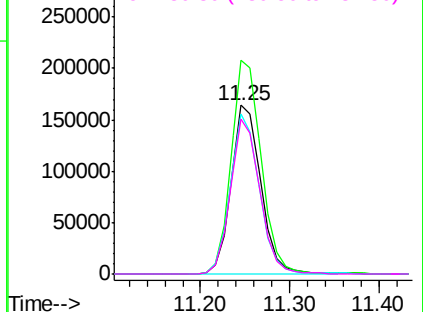
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

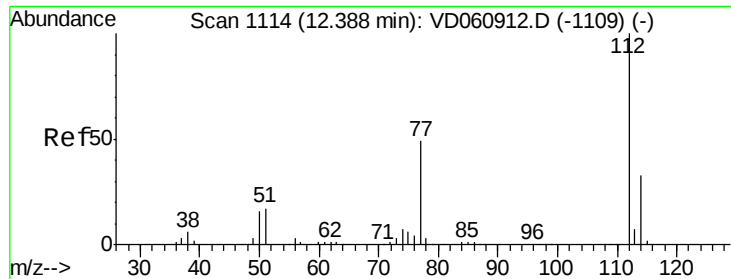


#64
Tetrachloroethene
Concen: 41.944 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion:164 Resp: 385665
Ion Ratio Lower Upper
164 100
166 126.4 101.9 152.9
129 94.7 63.0 94.4#
131 91.9 63.1 94.7

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 48.610 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

Tot Ion:112 Resp: 1013845

Ion Ratio Lower Upper

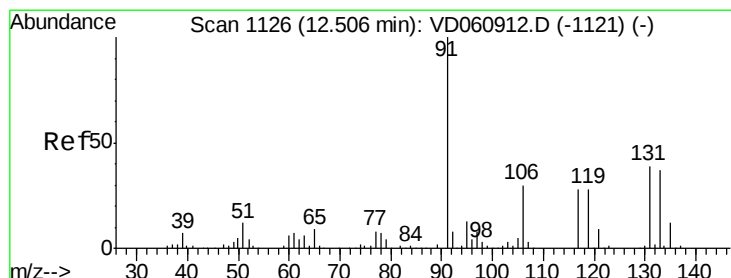
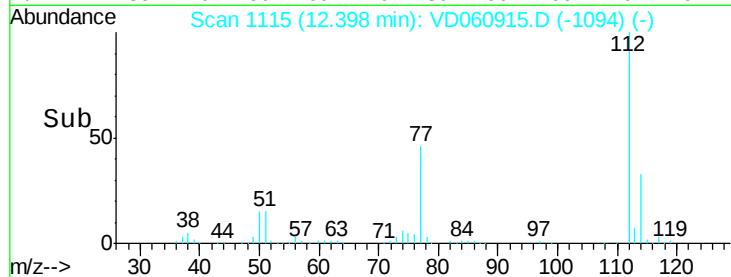
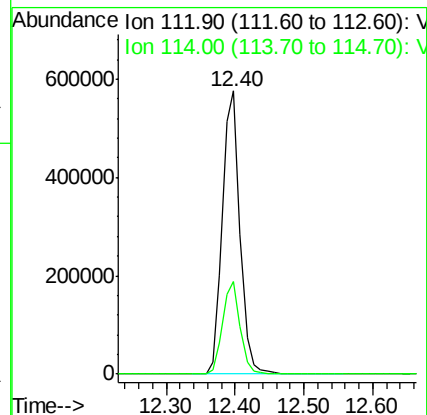
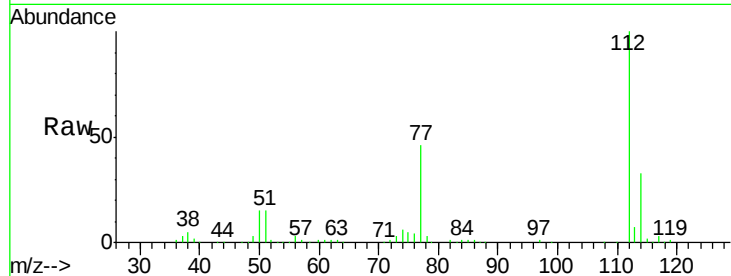
112 100

114 32.9 26.4 39.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 47.534 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

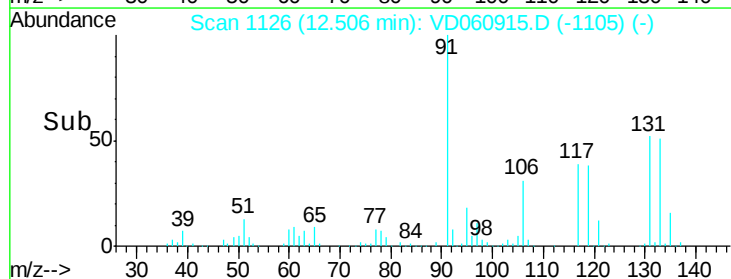
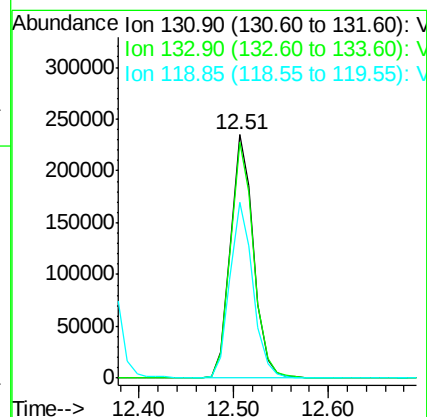
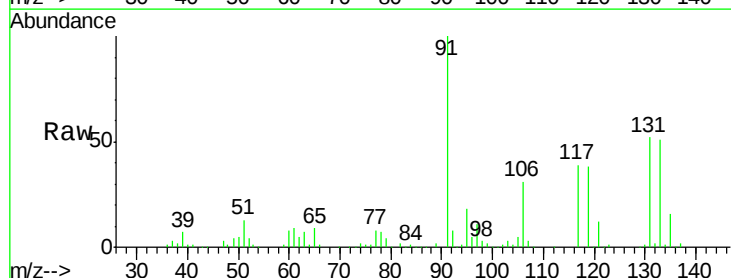
Tgt Ion:131 Resp: 394522

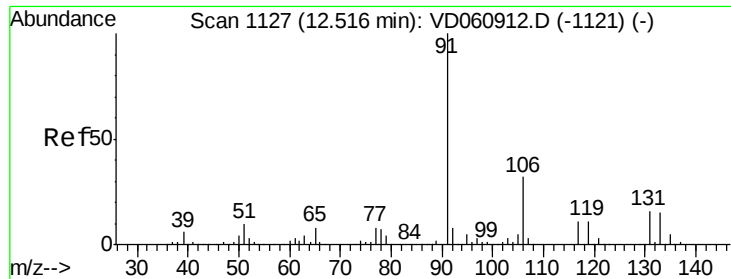
Ion Ratio Lower Upper

131 100

133 96.7 48.5 145.6

119 72.0 32.8 98.3





#67

Ethyl Benzene

Concen: 44.196 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

Tot Ion: 91 Resp: 1568929

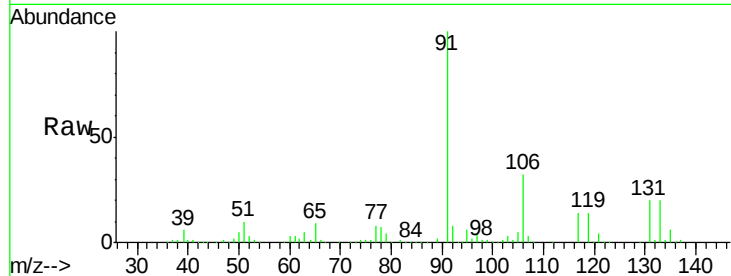
Ion Ratio Lower Upper

91 100

106 31.9 22.2 33.2

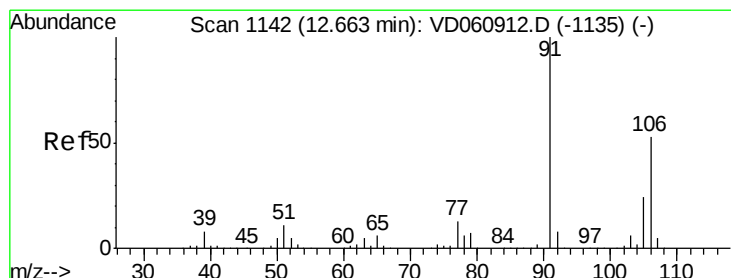
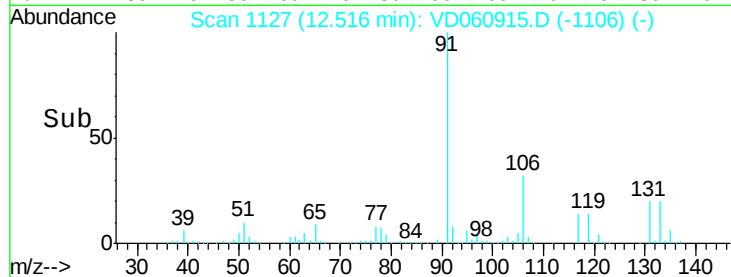
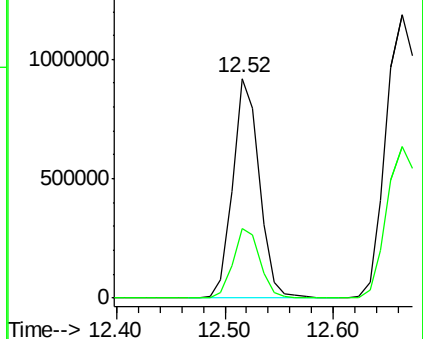
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 103.909 ug/l

RT: 12.66 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VD060915.D

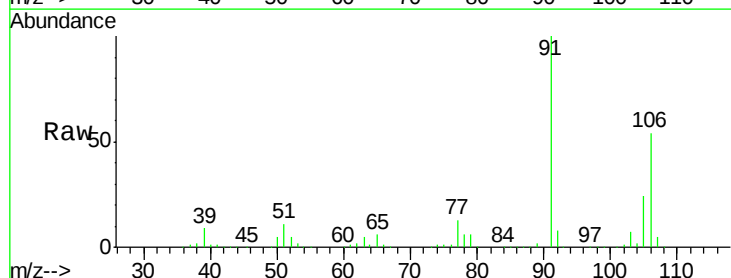
Acq: 1 Mar 2019 18:27

Tgt Ion:106 Resp: 1303766

Ion Ratio Lower Upper

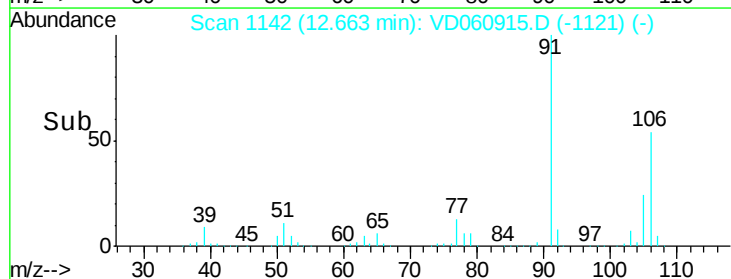
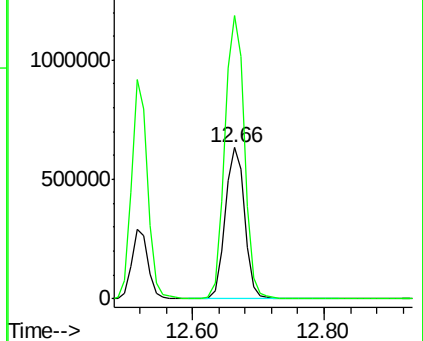
106 100

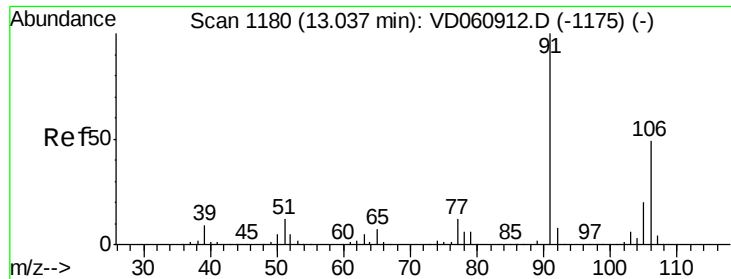
91 186.8 174.2 261.2



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V





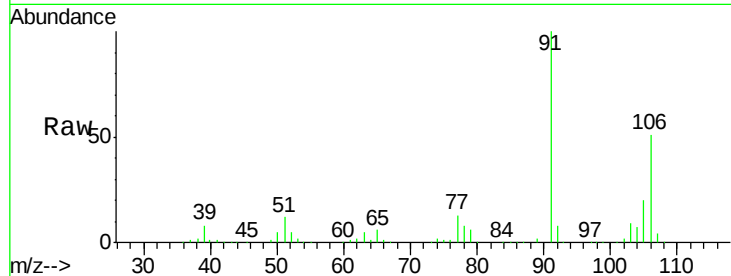
#69
o-Xylene
Concen: 52.153 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

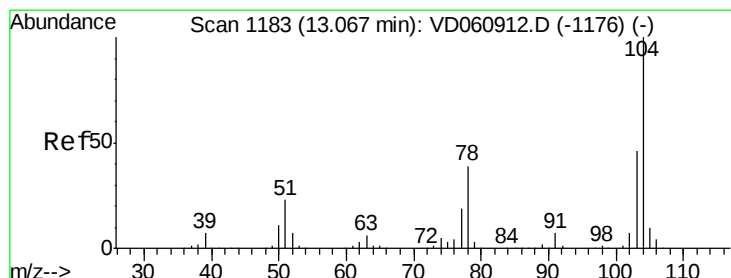
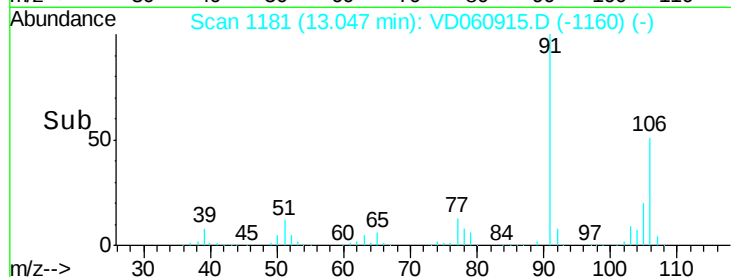
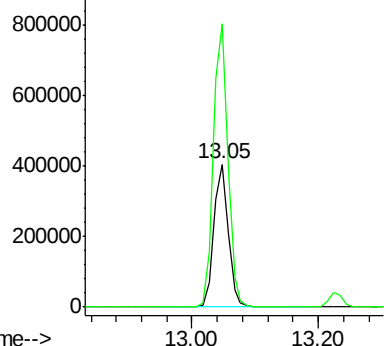
Tot Ion:106 Resp: 630240
Ion Ratio Lower Upper
106 100
91 197.6 116.9 350.7

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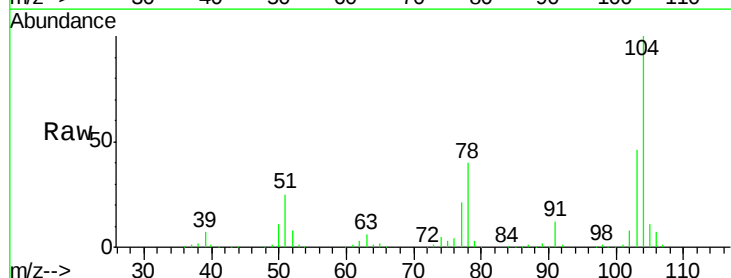


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

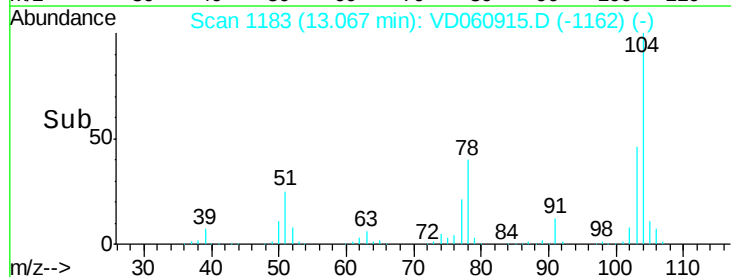
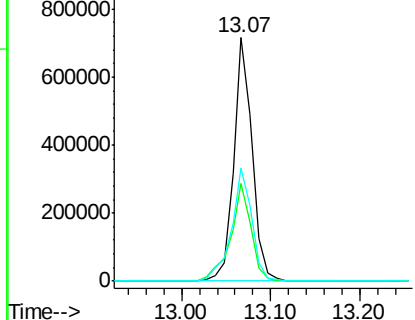


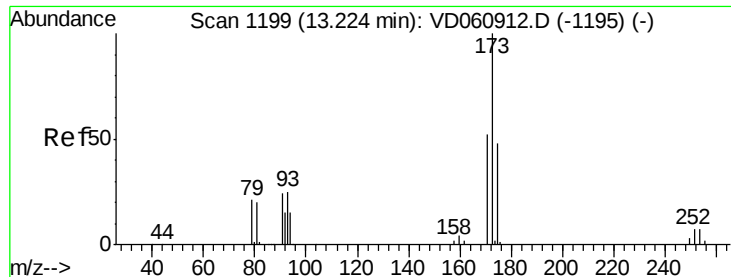
#70
Styrene
Concen: 51.260 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion:104 Resp: 1041086
Ion Ratio Lower Upper
104 100
78 40.0 34.6 51.8
103 46.3 36.3 54.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





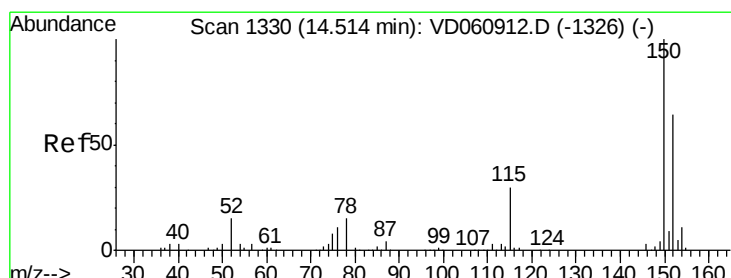
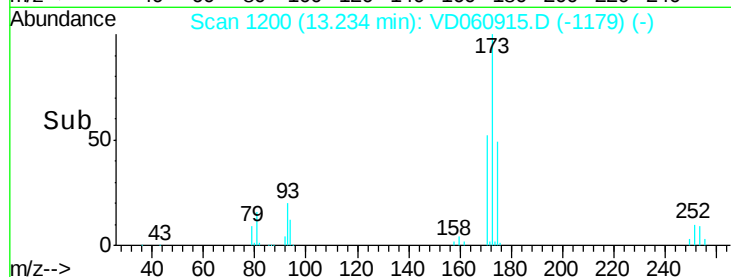
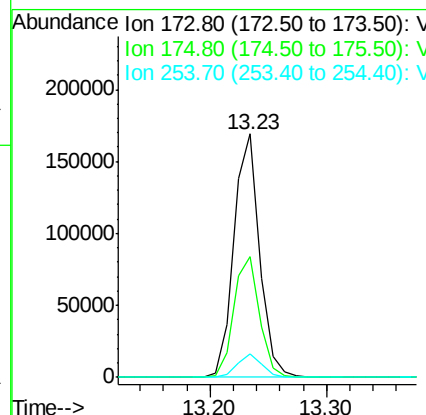
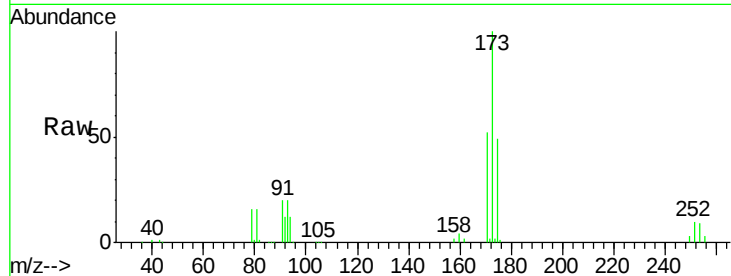
#71
Bromoform
Concen: 39.094 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion:173 Resp: 258033
Ion Ratio Lower Upper
173 100
175 49.5 24.6 73.8
254 9.4 6.0 9.0#

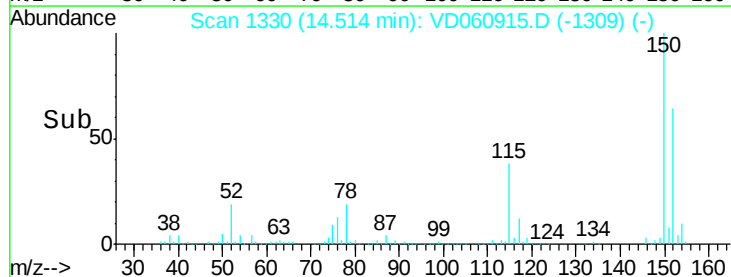
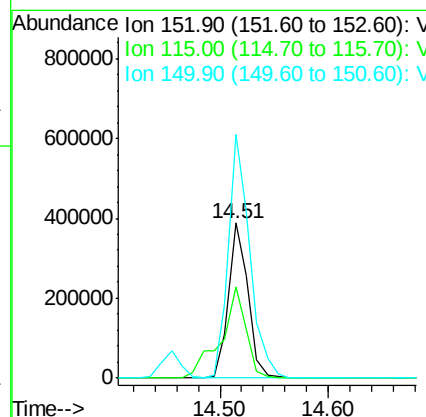
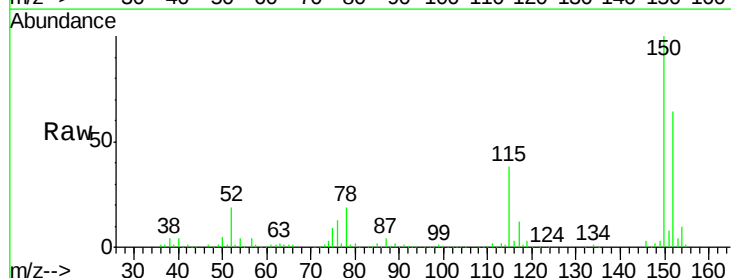
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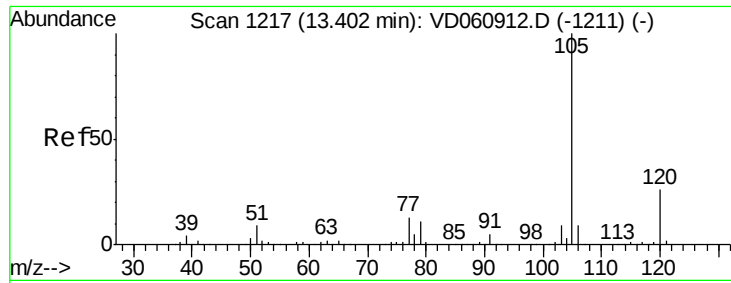
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion:152 Resp: 483826
Ion Ratio Lower Upper
152 100
115 59.1 24.4 73.2
150 157.1 0.0 311.0





#73

Isopropylbenzene

Concen: 59.020 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

Tot Ion:105 Resp: 1670873

Ion Ratio Lower Upper

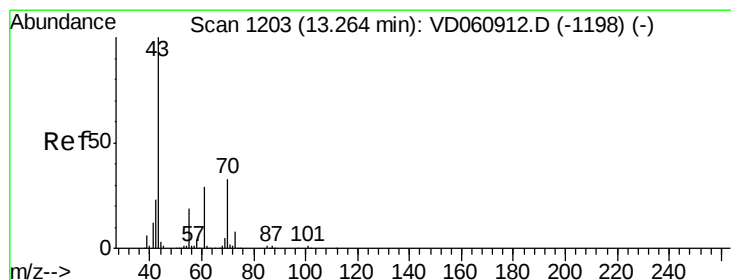
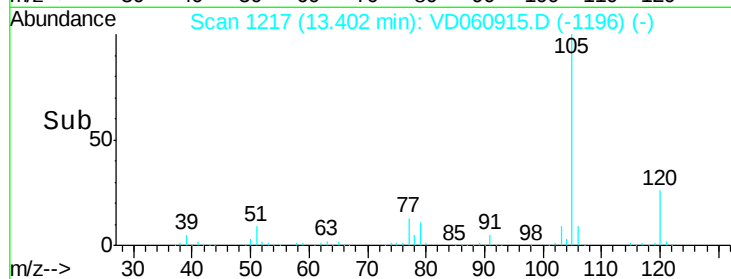
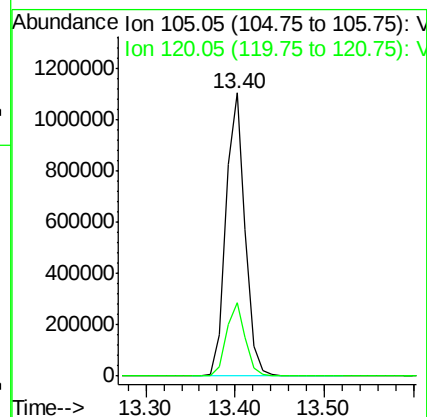
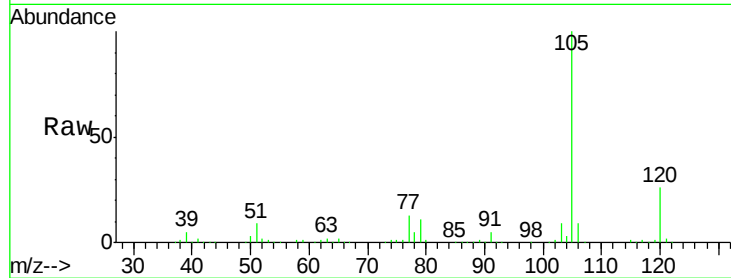
105 100

120 26.0 12.2 36.6

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#74

N-ethyl acetate

Concen: 52.589 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Tgt Ion: 43 Resp: 514564

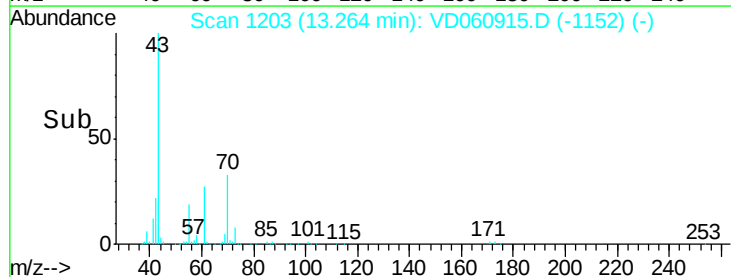
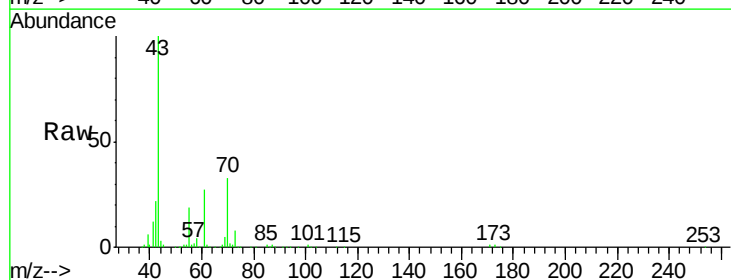
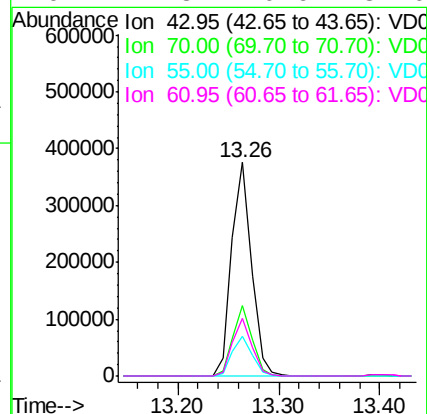
Ion Ratio Lower Upper

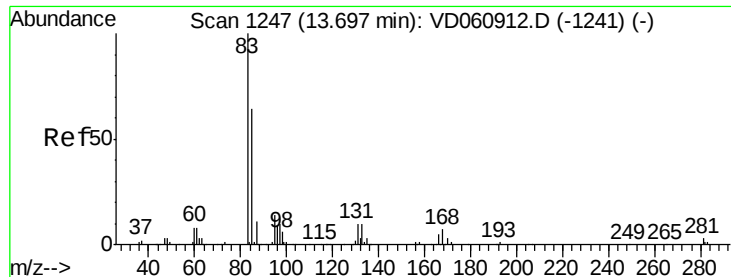
43 100

70 32.9 26.8 40.2

55 18.5 14.2 21.4

61 27.3 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.508 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

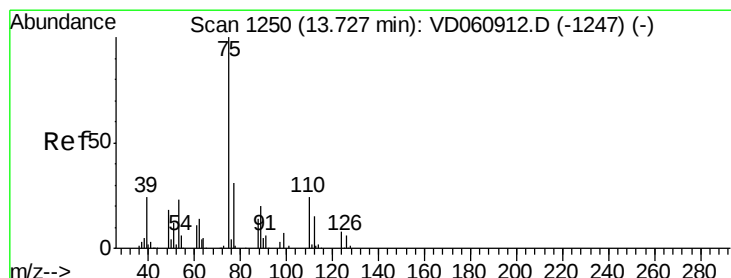
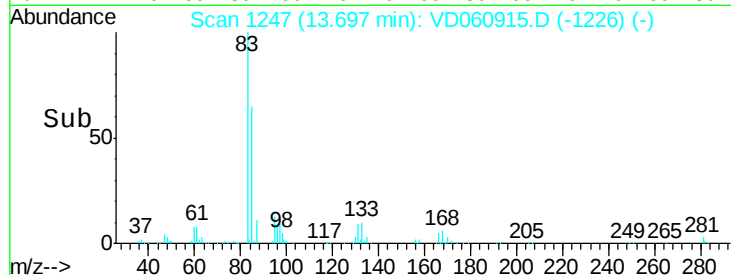
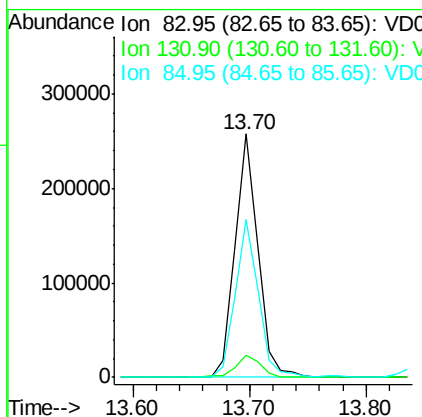
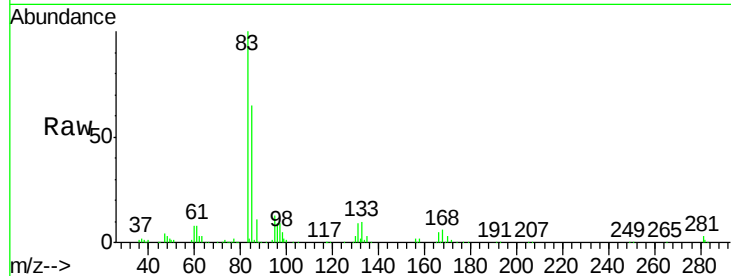
ClientSampleId :

ICVVD030119

Tot Ion:	83	Resp:	352165
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.9	14.6
85	64.6	31.9	95.9

Manual Integrations
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3/6/2019 5:33:12 AM



#76

1,2,3-Trichloropropane

Concen: 50.259 ug/l

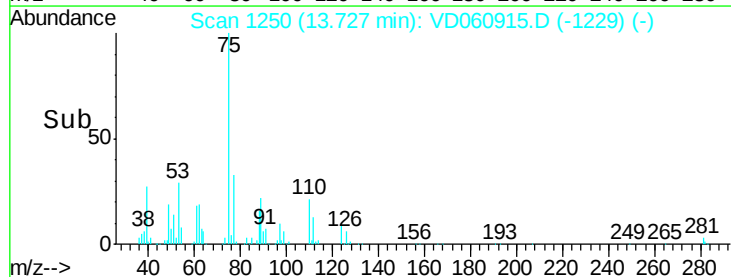
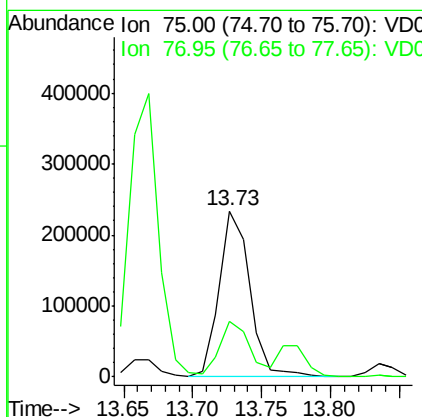
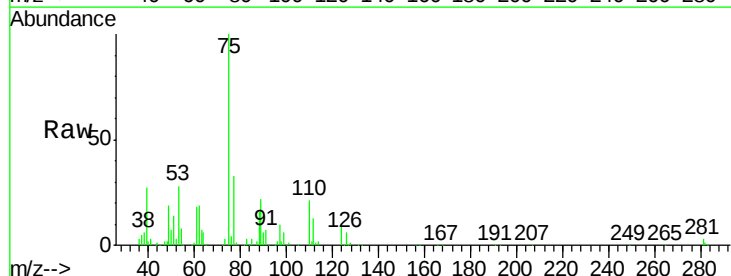
RT: 13.73 min Scan# 1250

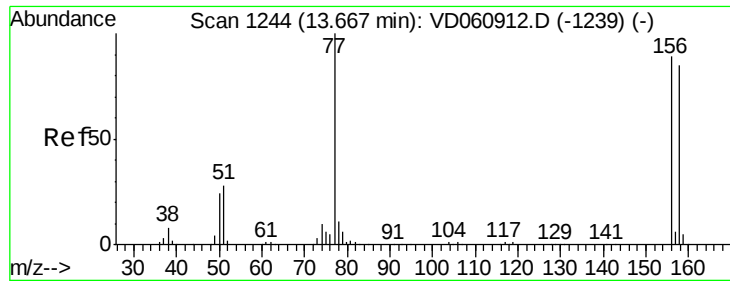
Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Tgt Ion:	75	Resp:	361826
Ion Ratio	Lower	Upper	
75	100		
77	33.1	16.3	48.8





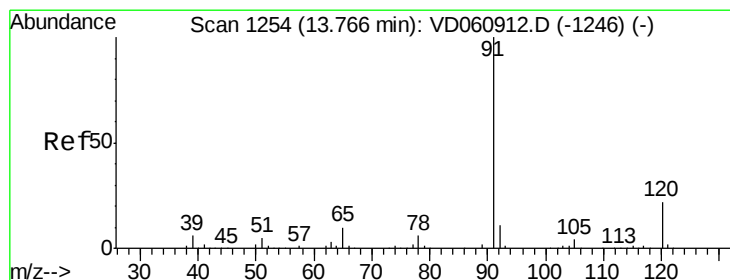
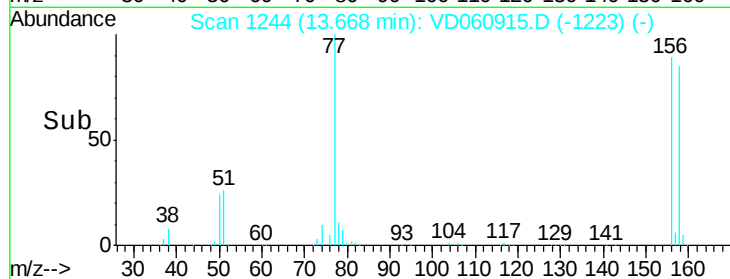
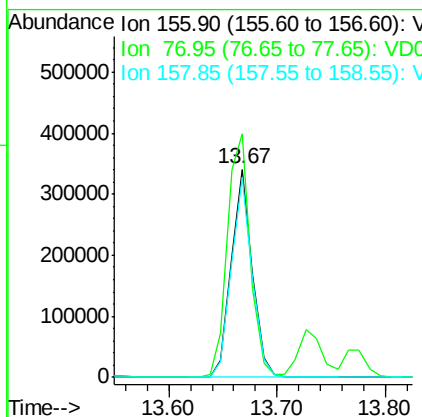
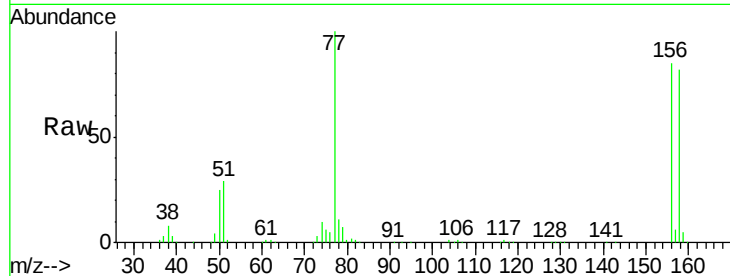
#77
Bromobenzene
Concen: 50.515 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion:156 Resp: 460266
Ion Ratio Lower Upper
156 100
77 117.2 67.4 202.2
158 96.2 49.2 147.6

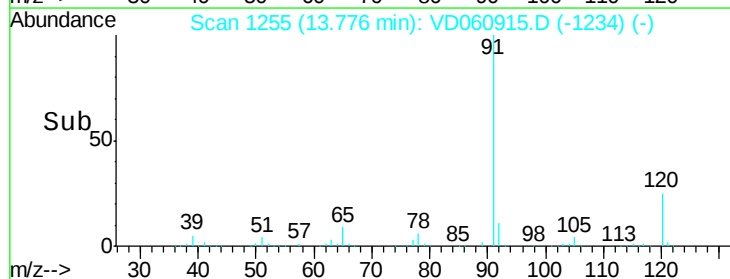
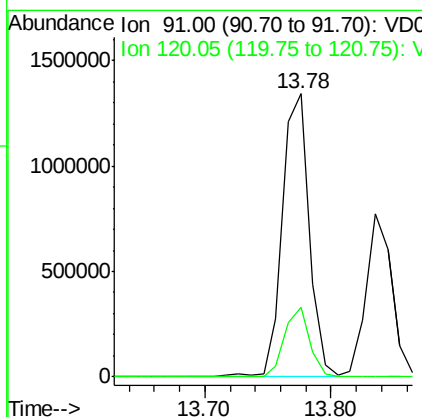
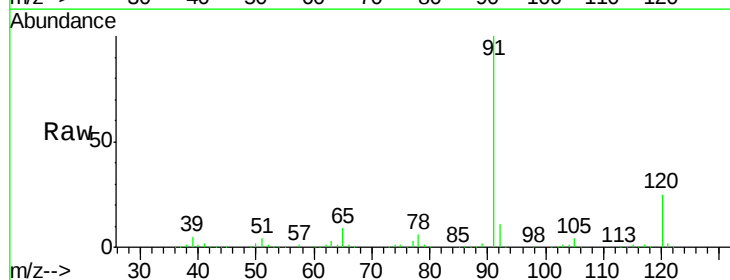
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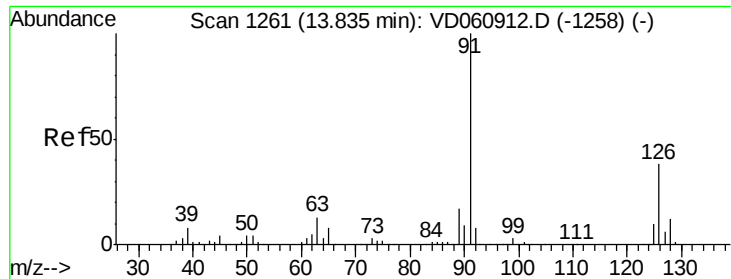
MMDadoda
3/6/2019 5:33:12 AM



#78
n-propylbenzene
Concen: 52.947 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion: 91 Resp: 2000063
Ion Ratio Lower Upper
91 100
120 24.7 10.1 30.3





#79

2-Chlorotoluene

Concen: 50.137 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

Tot Ion: 91 Resp: 1083235

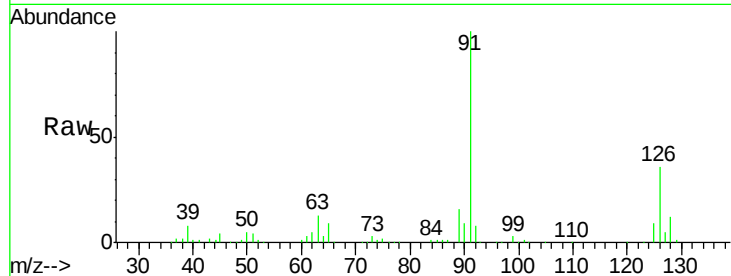
Ion Ratio Lower Upper

91 100

126 35.6 17.4 52.2

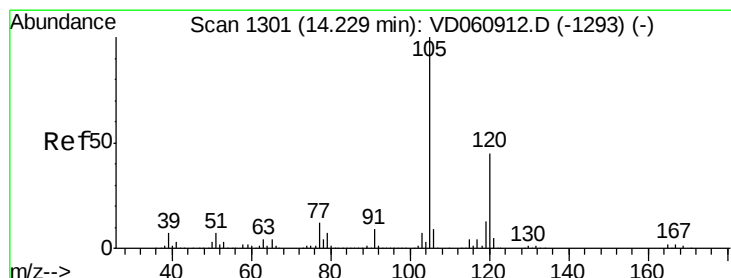
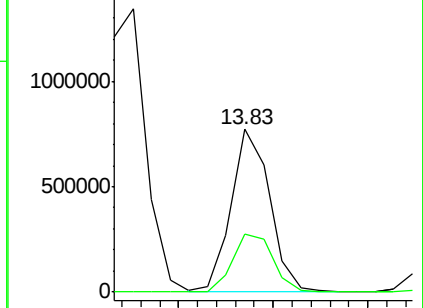
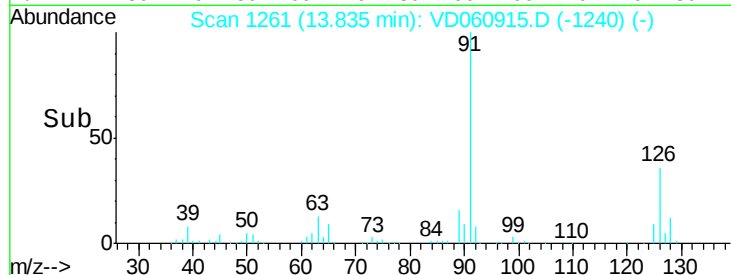
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3/6/2019 5:33:12 AM



Abundance Ion 91.00 (90.70 to 91.70): VD060915.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD060915.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.859 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VD060915.D

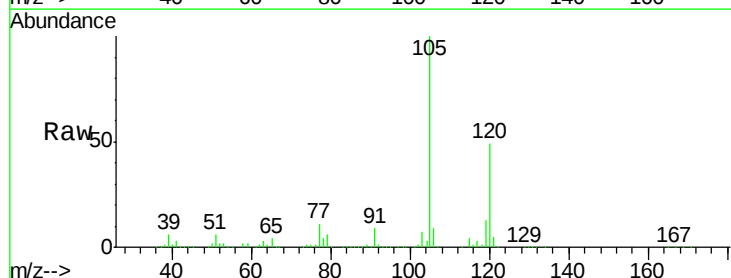
Acq: 1 Mar 2019 18:27

Tgt Ion: 105 Resp: 1276396

Ion Ratio Lower Upper

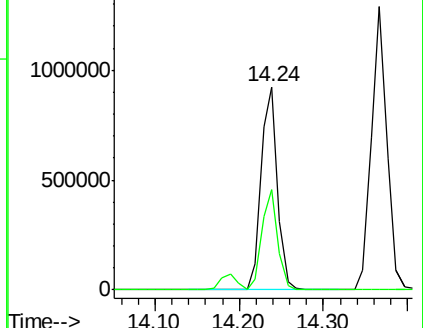
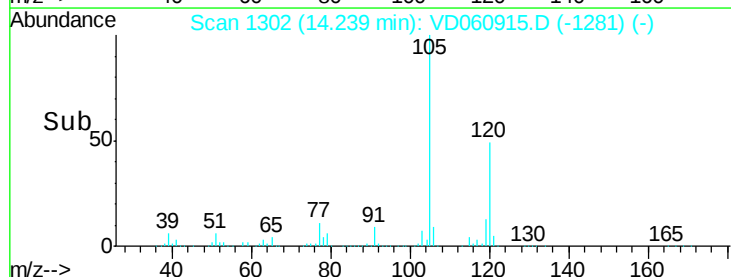
105 100

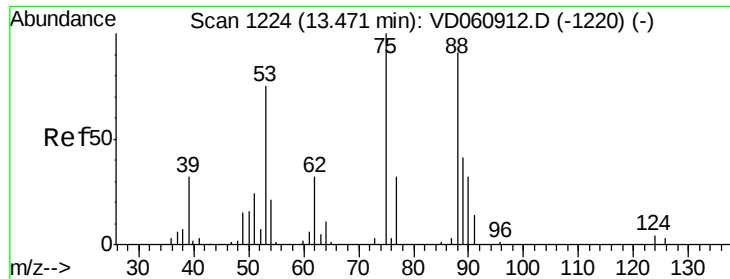
120 49.1 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): VD060915.D (-1293) (-)

Ion 120.05 (119.75 to 120.75): VD060915.D (-1293) (-)





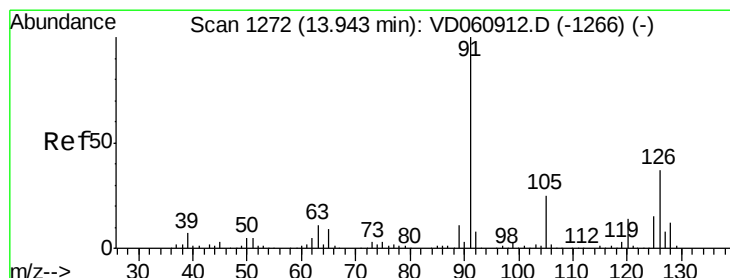
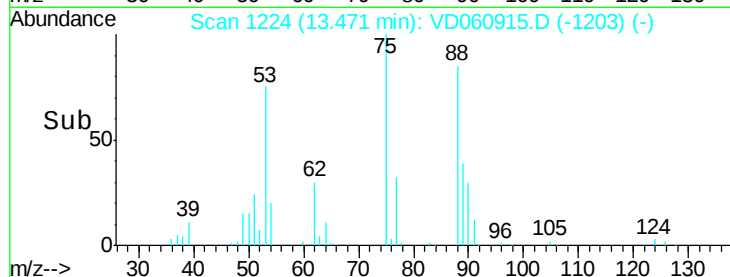
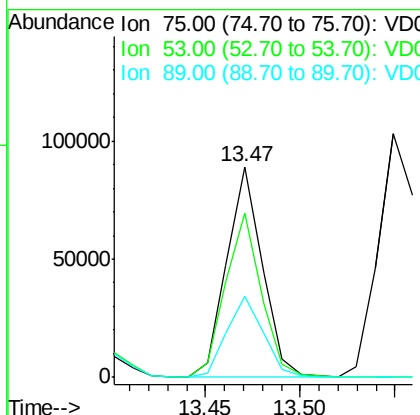
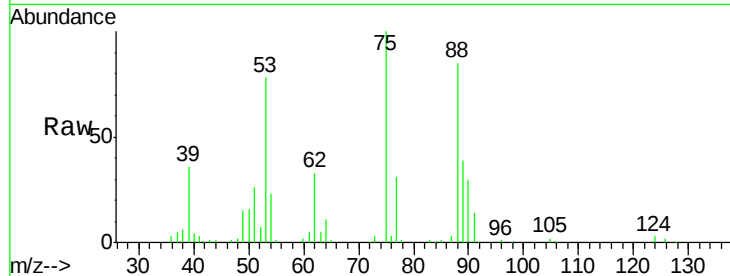
#81
trans-1,4-Dichloro-2-butene
Concen: 50.613 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion	Ratio	Lower	Upper
75	100		
53	77.8	60.2	90.4
89	38.7	32.6	49.0

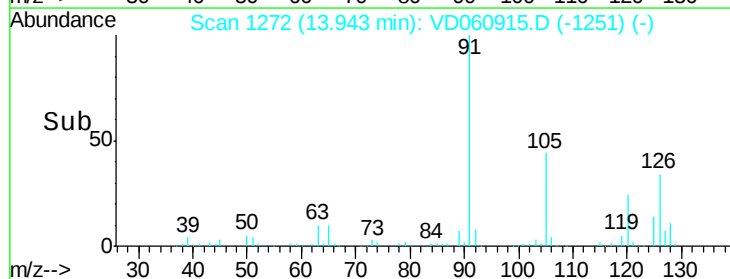
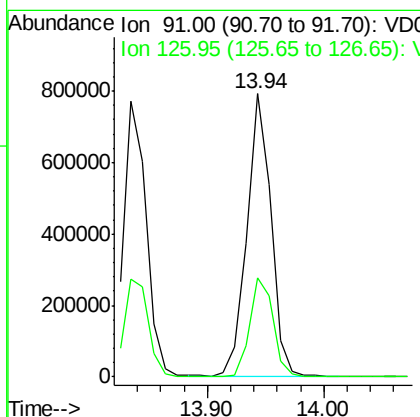
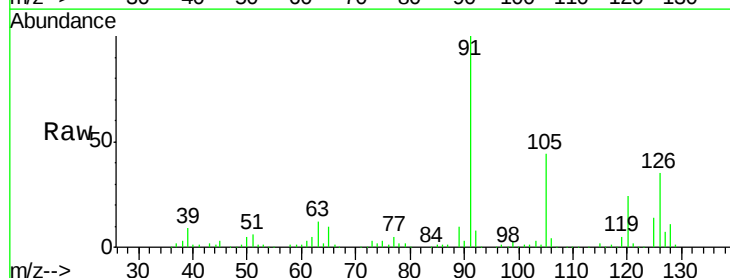
Manual Integrations
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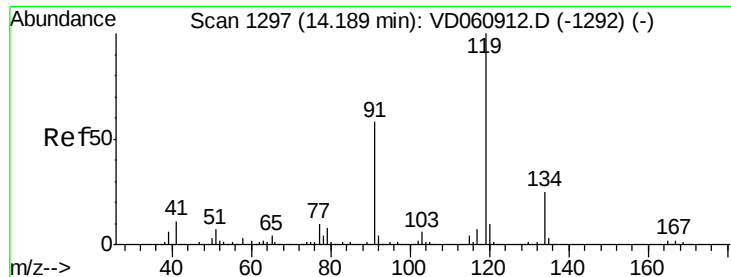
MMDadoda
3/6/2019 5:33:12 AM



#82
4-Chlorotoluene
Concen: 47.864 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.9	50.7





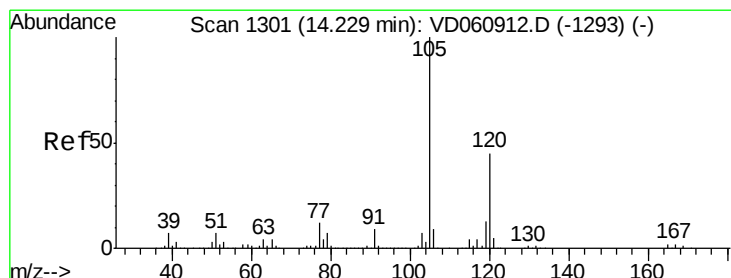
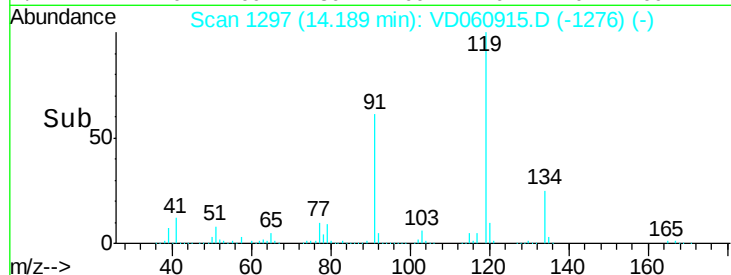
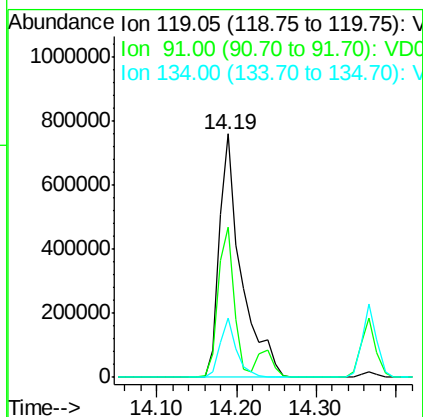
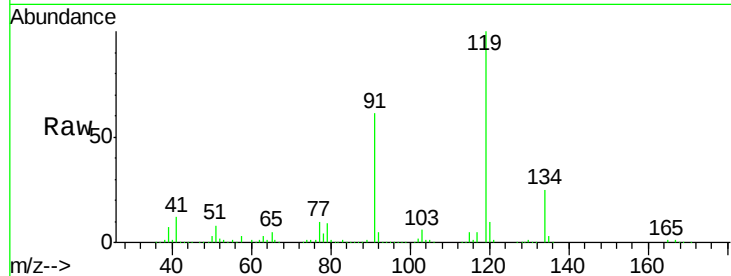
#83
 tert-Butylbenzene
 Concen: 54.703 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

Tot Ion:119 Resp: 1469775
 Ion Ratio Lower Upper
 119 100
 91 61.4 34.2 102.5
 134 24.6 12.9 38.7

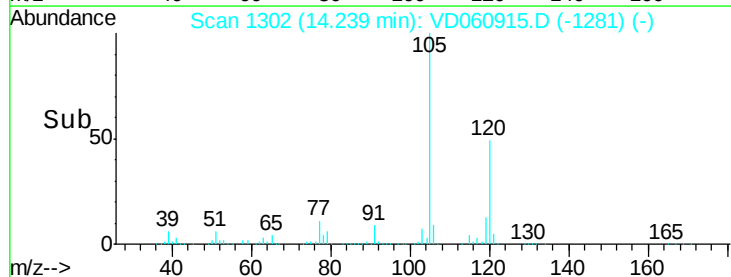
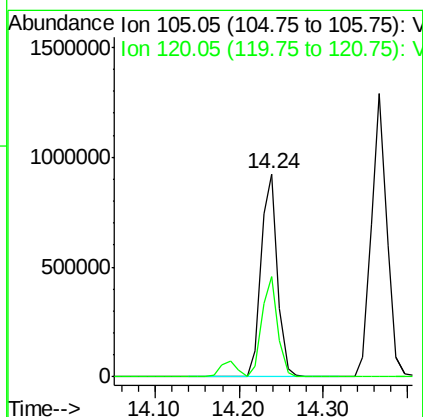
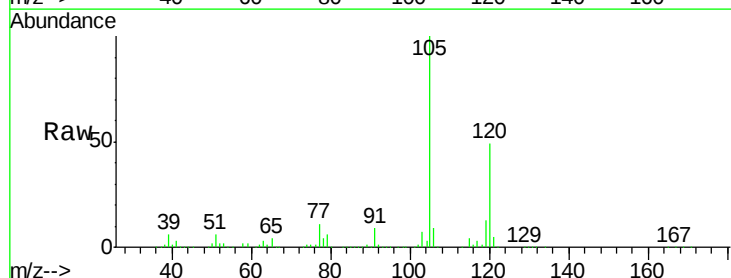
Manual Integrations
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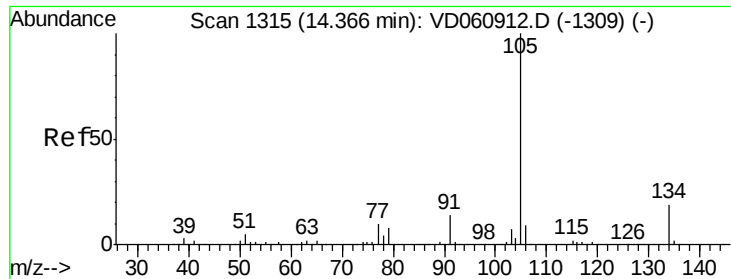
MMDadoda
 3/6/2019 5:33:12 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.859 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Tgt Ion:105 Resp: 1276396
 Ion Ratio Lower Upper
 105 100
 120 49.1 22.8 68.4





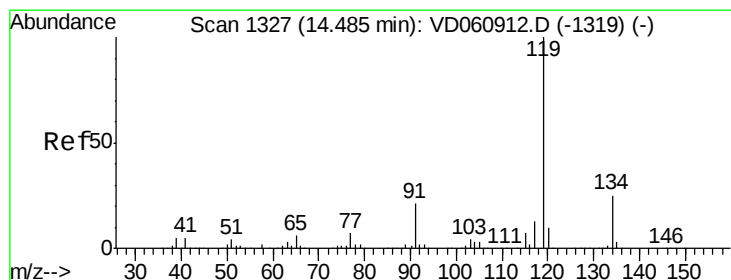
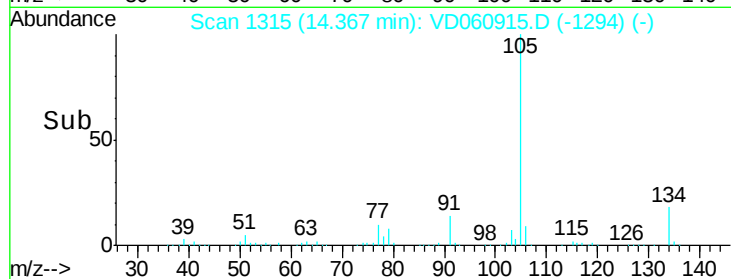
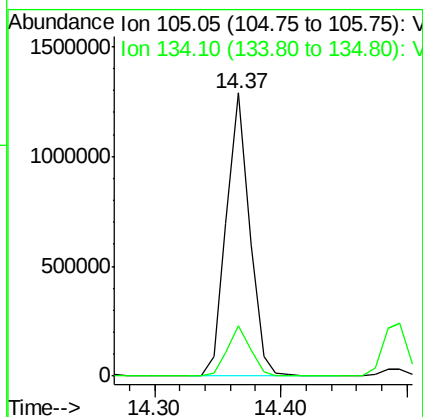
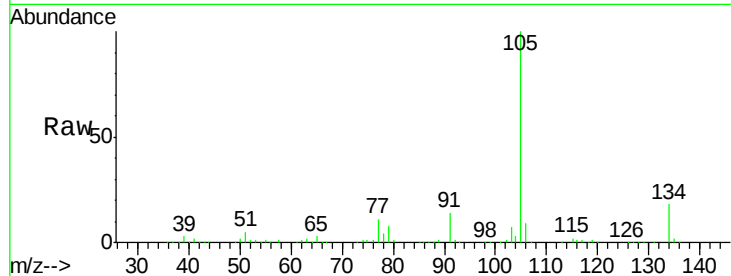
#85
 sec-Butylbenzene
 Concen: 54.650 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

Tot Ion:105 Resp: 1639286
 Ion Ratio Lower Upper
 105 100
 134 17.9 10.1 30.3

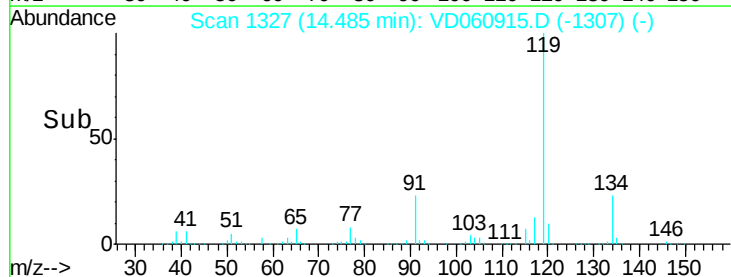
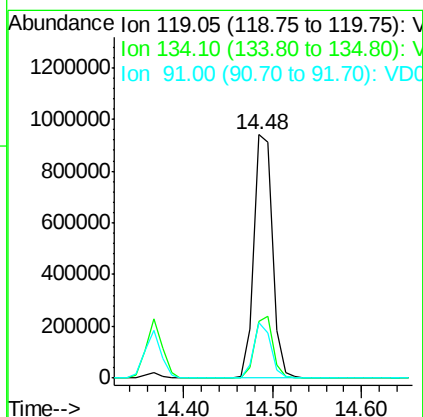
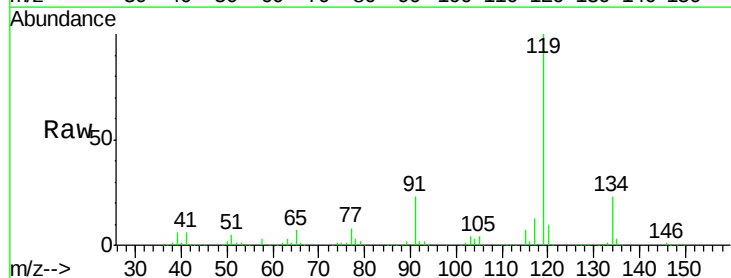
Manual Integrations
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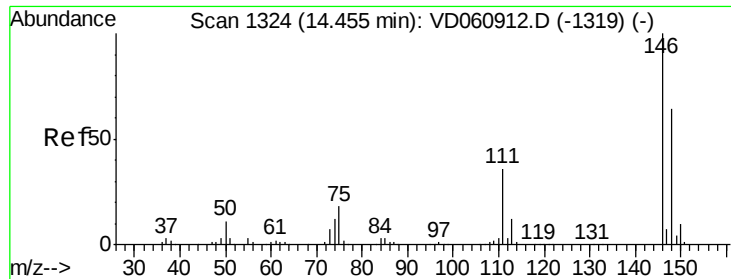
MMDadoda
 3/6/2019 5:33:12 AM



#86
 p-Isopropyltoluene
 Concen: 53.243 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Tgt Ion:119 Resp: 1341165
 Ion Ratio Lower Upper
 119 100
 134 23.3 12.9 38.7
 91 23.0 12.6 37.8





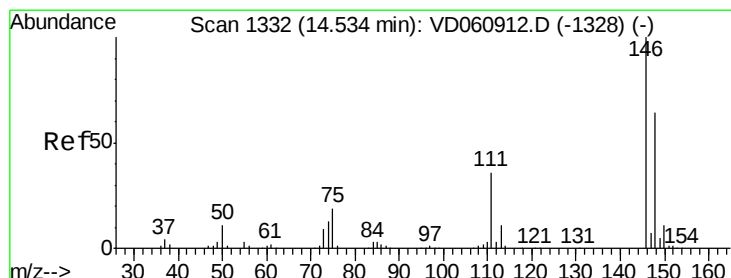
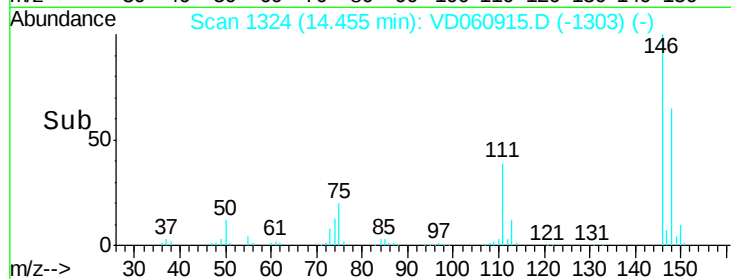
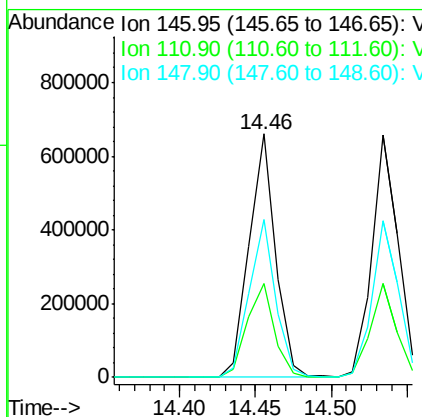
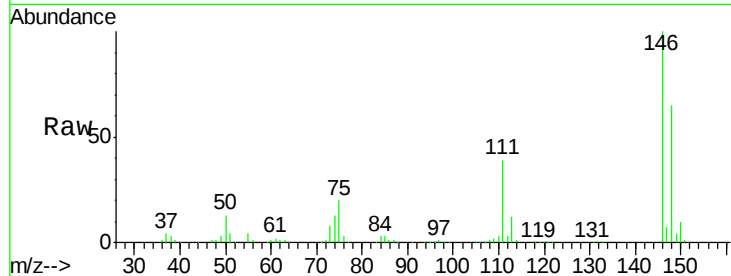
#87
 1,3-Dichlorobenzene
 Concen: 48.310 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	15.9	47.6
148	64.7	32.4	97.0

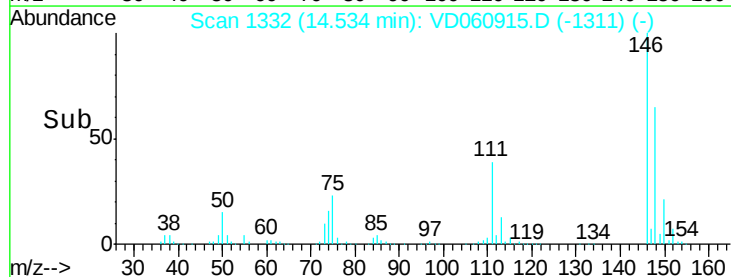
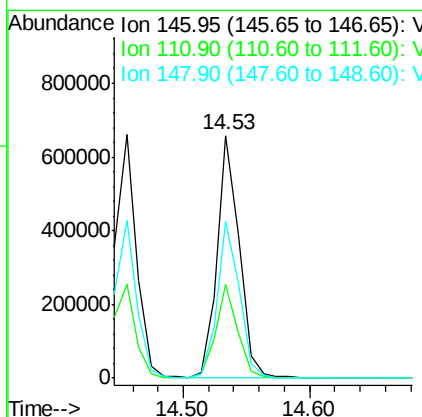
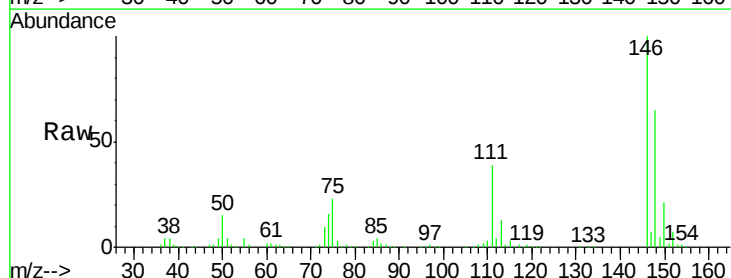
Manual Integrations
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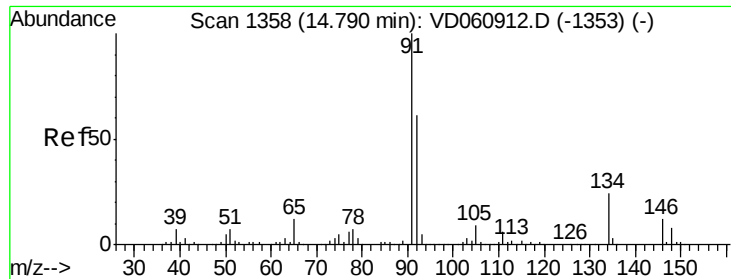
MMDadoda
 3/6/2019 5:33:12 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.836 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	15.9	47.7
148	64.7	32.6	97.8





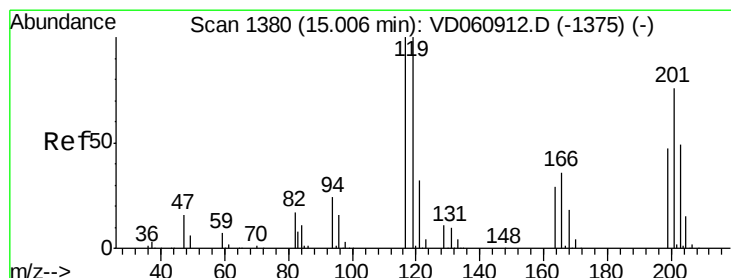
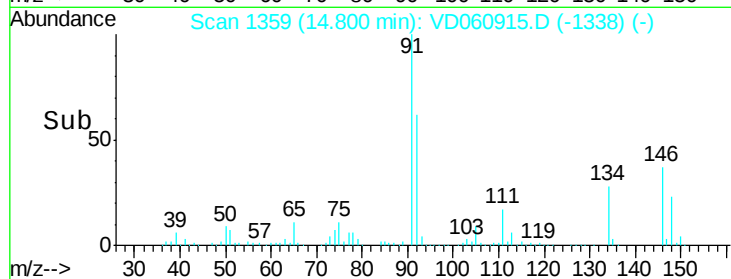
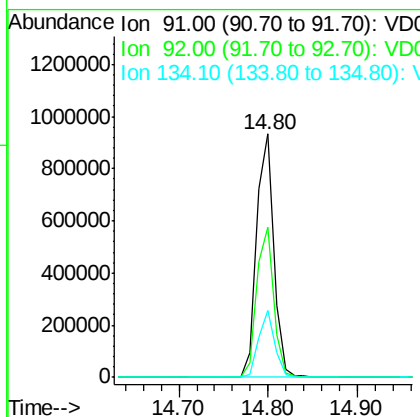
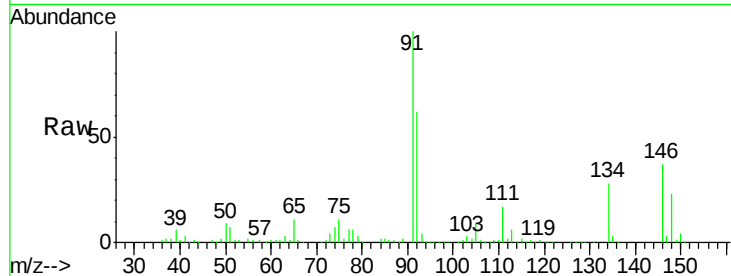
#89
n-Butylbenzene
Concen: 46.913 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion: 91 Resp: 1224275
Ion Ratio Lower Upper
91 100
92 61.6 30.4 91.2
134 27.6 14.1 42.2

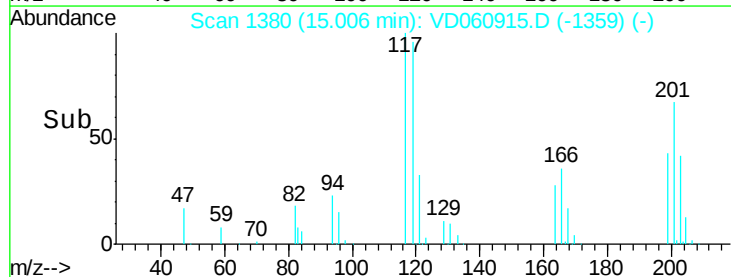
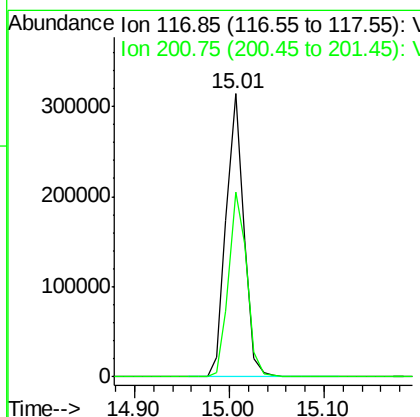
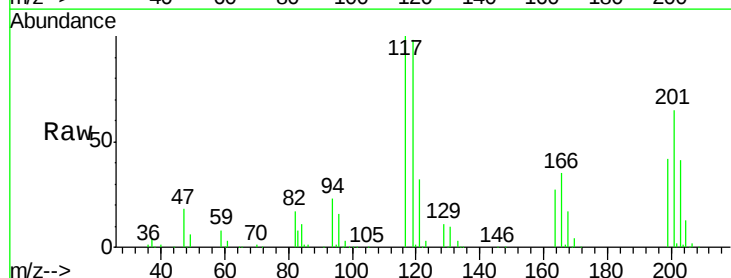
Manual Integrations
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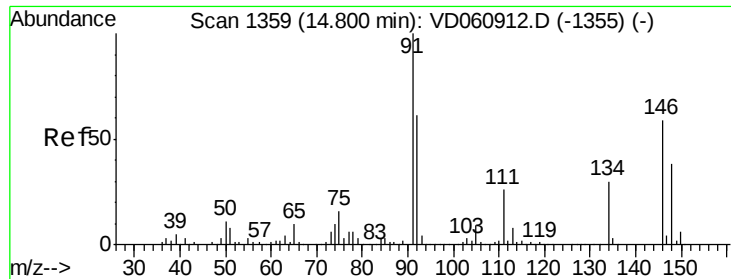
MMDadoda
3/6/2019 5:33:12 AM



#90
Hexachloroethane
Concen: 57.145 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion: 117 Resp: 408457
Ion Ratio Lower Upper
117 100
201 65.3 41.4 124.4





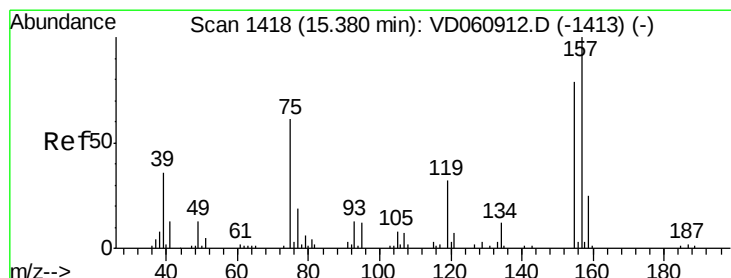
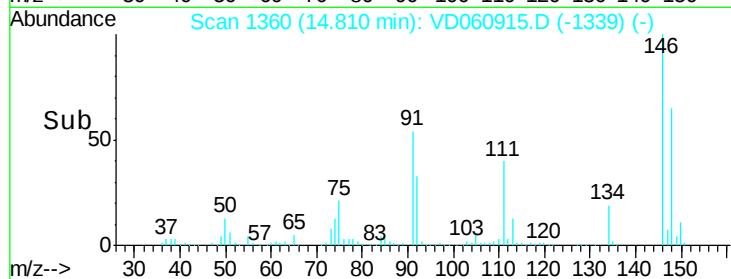
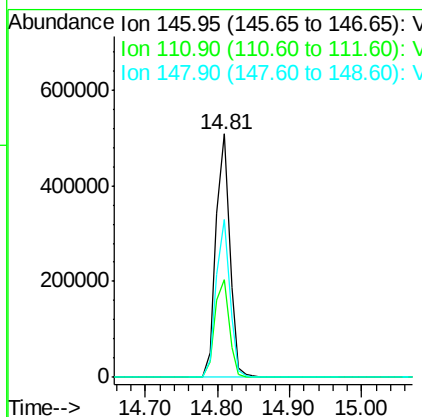
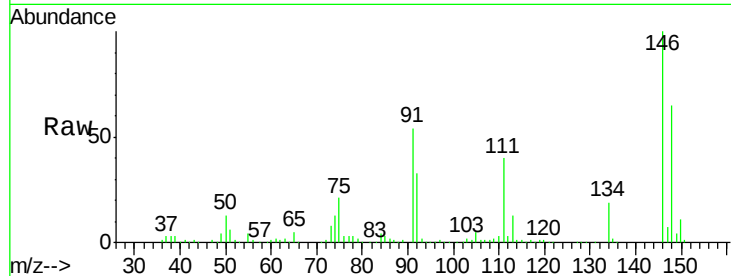
#91
 1,2-Dichlorobenzene
 Concen: 47.972 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	16.7	50.1
148	64.7	32.6	97.8

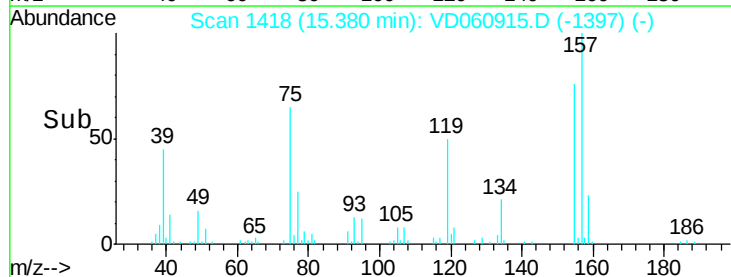
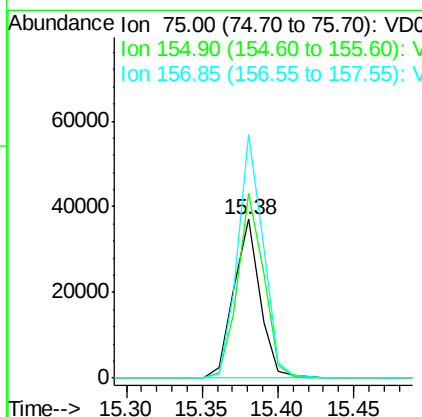
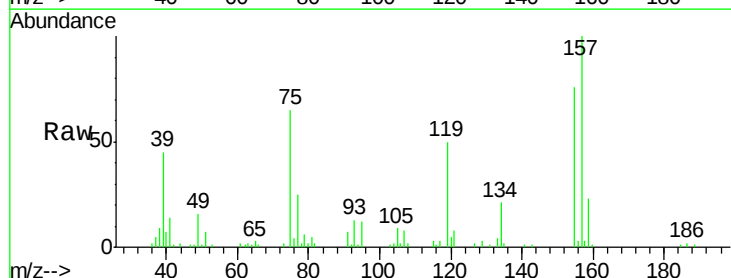
Manual Integrations
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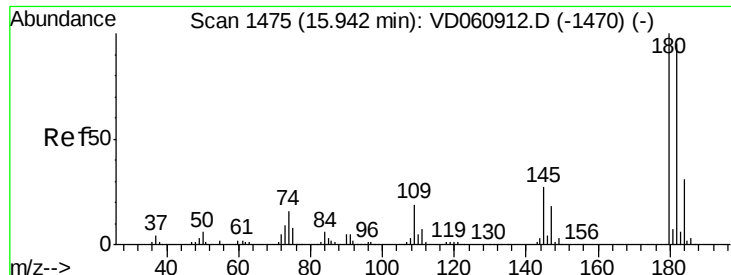
MMDadoda
 3/6/2019 5:33:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.737 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	116.2	58.6	175.8
157	153.3	75.1	225.3





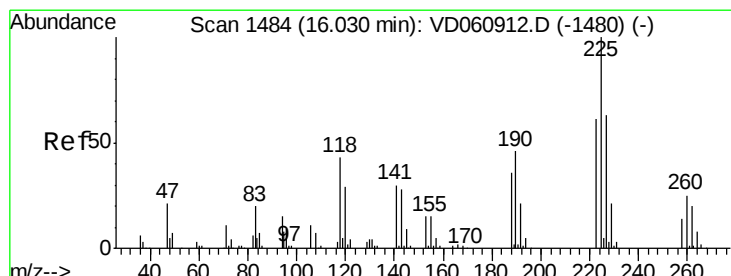
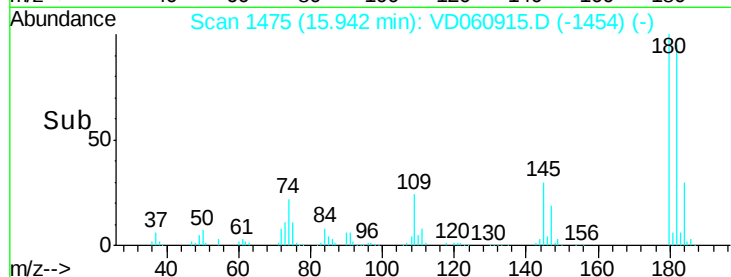
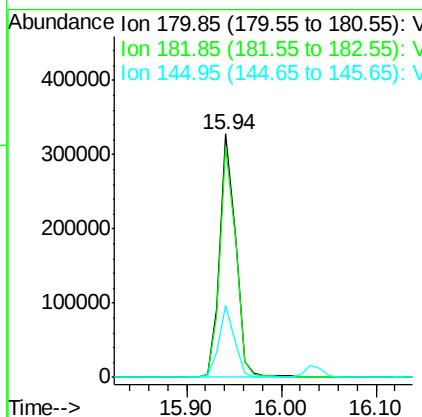
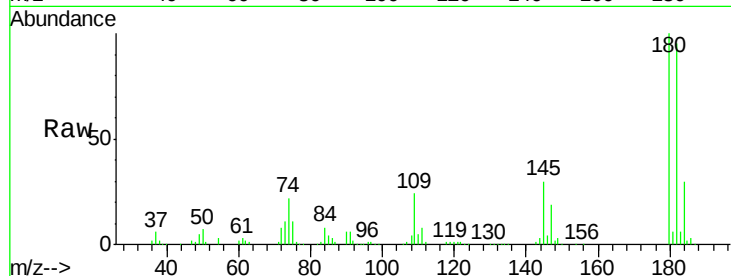
#93
 1,2,4-Trichlorobenzene
 Concen: 39.214 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

Tot Ion	Ratio	Resp	Lower	Upper
180	100	385058		
182	94.9	47.5	142.6	
145	29.6	14.3	42.9	

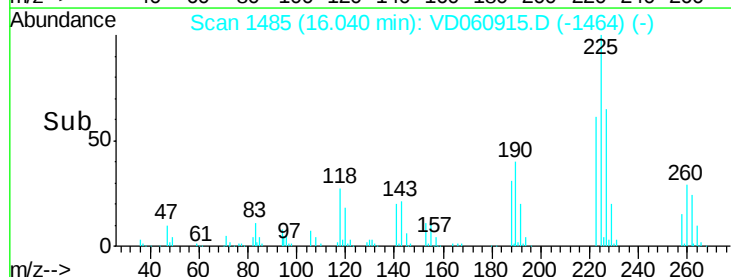
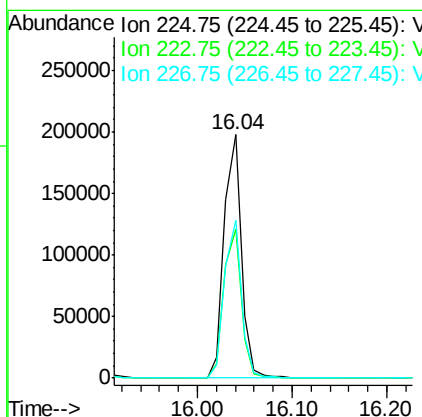
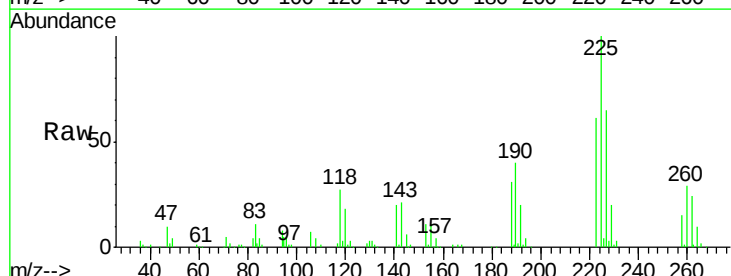
Manual Integrations
 APPROVED

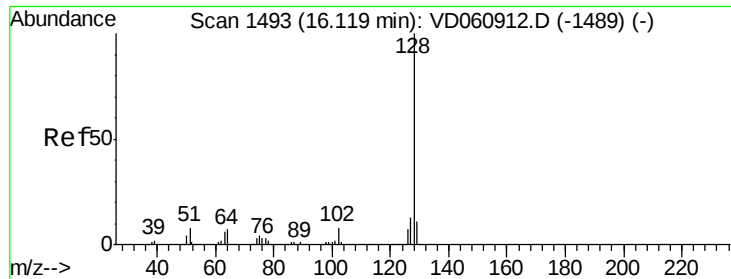
MMDadoda
 3/6/2019 5:33:12 AM



#94
 Hexachlorobutadiene
 Concen: 42.761 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	251928		
223	61.1	30.6	91.6	
227	64.6	32.0	96.0	





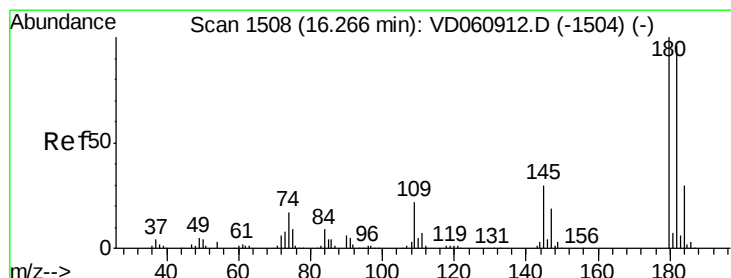
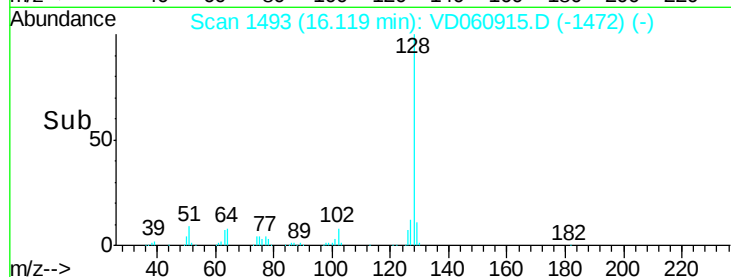
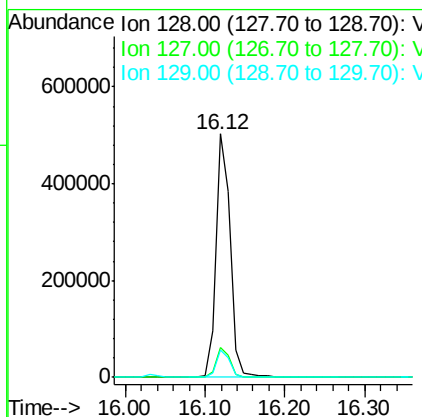
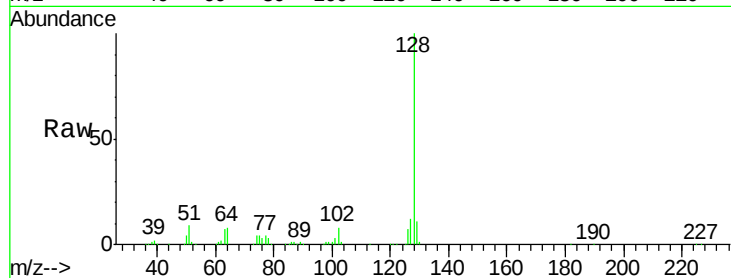
#95
Naphthalene
Concen: 42.670 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.7	14.5
129	11.4	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
3/6/2019 5:33:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 29.758 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.8
145	33.0	12.9	38.7

