

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012219\
 Data File : VV009238.D
 Acq On : 22 Jan 2019 16:41
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:44:28 AM

Quant Time: Jan 23 01:54:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 01:31:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	85039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	147102	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	131913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	63040	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.07	65	49486	47.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.44%	
35) Dibromofluoromethane	4.64	113	43064	44.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.98%	
50) Toluene-d8	7.36	98	168261	45.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.32%	
62) 4-Bromofluorobenzene	10.12	95	60364	43.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.14	85	1328	1.931	ug/l	95
3) Chloromethane	1.25	50	2421	2.615	ug/l	97
4) Vinyl Chloride	1.32	62	2396	2.278	ug/l	98
5) Bromomethane	1.53	94	1702	2.853	ug/l	91
6) Chloroethane	1.60	64	1282	2.180	ug/l	100
7) Trichlorofluoromethane	1.76	101	1243	1.684	ug/l	97
8) Diethyl Ether	1.96	74	1034	2.227	ug/l	51
9) 1,1,2-Trichlorotrifluoroet	2.14	101	1937	2.111	ug/l #	79
10) Methyl Iodide	2.25	142	3128	2.136	ug/l #	95
11) Tert butyl alcohol	2.65	59	2071	27.317	ug/l #	72
12) 1,1-Dichloroethene	2.13	96	1902	2.112	ug/l	90
13) Acrolein	2.06	56	686	11.518	ug/l	93
14) Allyl chloride	2.42	41	3364	2.167	ug/l	98
15) Acrylonitrile	2.76	53	2119	10.535	ug/l	97
16) Acetone	2.18	43	4681	16.636	ug/l	97
17) Carbon Disulfide	2.31	76	5933	2.153	ug/l #	94
18) Methyl Acetate	2.45	43	1844	2.454	ug/l	91
19) Methyl tert-butyl Ether	2.80	73	2765	1.978	ug/l	96
20) Methylene Chloride	2.53	84	5338	5.092	ug/l	88
21) trans-1,2-Dichloroethene	2.78	96	2045	2.107	ug/l	95
22) Diisopropyl ether	3.33	45	6803	2.058	ug/l	92
23) Vinyl Acetate	3.30	43	17695	9.866	ug/l	97
24) 1,1-Dichloroethane	3.22	63	4321	2.101	ug/l #	97
25) 2-Butanone	4.03	43	3436	10.679	ug/l	90
26) 2,2-Dichloropropane	3.94	77	2083m	1.800	ug/l	
27) cis-1,2-Dichloroethene	3.95	96	2491	2.124	ug/l	96
28) Bromochloromethane	4.28	49	1672	2.203	ug/l #	98
29) Tetrahydrofuran	4.39	42	1821	10.406	ug/l	91
30) Chloroform	4.42	83	4326	2.094	ug/l	90
31) Cyclohexane	4.72	56	5692	3.032	ug/l #	62
32) 1,1,1-Trichloroethane	4.65	97	3450	1.982	ug/l	99
36) 1,1-Dichloropropene	4.87	75	3717	2.276	ug/l	93
37) Ethyl Acetate	4.13	43	1352m	2.154	ug/l	
38) Carbon Tetrachloride	4.87	117	3266	1.997	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	4333	2.240	ug/l	98
40) Benzene	5.14	78	9469	2.073	ug/l	98
41) Methacrylonitrile	4.32	41	610	1.613	ug/l #	68
42) 1,2-Dichloroethane	5.17	62	2975	2.081	ug/l	90
43) Isopropyl Acetate	5.32	43	2225	1.802	ug/l #	81
44) Trichloroethene	5.95	130	2574	2.141	ug/l	83
45) 1,2-Dichloropropane	6.22	63	2154	1.960	ug/l	94
46) Dibromomethane	6.35	93	1140	2.022	ug/l	97
47) Bromodichloromethane	6.55	83	2979	2.000	ug/l	94
48) Methyl methacrylate	6.42	41	1148	1.822	ug/l	97
49) 1,4-Dioxane	6.42	88	161	22.418	ug/l #	59
51) 4-Methyl-2-Pentanone	7.27	43	6382	10.186	ug/l	96
52) Toluene	7.43	92	6222	2.153	ug/l	100
53) t-1,3-Dichloropropene	7.69	75	2831	1.952	ug/l #	83
54) cis-1,3-Dichloropropene	7.07	75	3214	1.925	ug/l	99
55) 1,1,2-Trichloroethane	7.87	97	1605	2.020	ug/l #	88
56) Ethyl methacrylate	7.83	69	1466	1.584	ug/l	91
57) 1,3-Dichloropropane	8.05	76	2855	1.985	ug/l	98
59) 2-Hexanone	8.19	43	4423	9.760	ug/l	90
60) Dibromochloromethane	8.29	129	1632	1.755	ug/l	100
61) 1,2-Dibromoethane	8.39	107	1468	1.890	ug/l	93
64) Tetrachloroethene	8.02	164	2085	2.221	ug/l	92
65) Chlorobenzene	8.92	112	6643	2.165	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.02	131	2116	2.017	ug/l	87
67) Ethyl Benzene	9.05	91	11297	2.066	ug/l	100
68) m/p-Xylenes	9.18	106	8552	4.120	ug/l	98
69) o-Xylene	9.59	106	3775	1.962	ug/l	93
70) Stvrene	9.60	104	5926	1.930	ug/l	99
71) Bromoform	9.77	173	849	1.717	ug/l #	99
73) Isopropylbenzene	9.98	105	10796	2.074	ug/l	98
74) N-amyl acetate	9.84	43	1779	1.848	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	10.29	83	1677	1.911	ug/l #	97
76) 1,2,3-Trichloropropane	10.32	75	1429	2.070	ug/l #	49
77) Bromobenzene	10.26	156	2607	2.341	ug/l	90
78) n-propylbenzene	10.40	91	14090	2.283	ug/l	99
79) 2-Chlorotoluene	10.47	91	8708	2.339	ug/l	98
80) 1,3,5-Trimethylbenzene	10.59	105	9232	2.115	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.05	75	383m	1.570	ug/l	
82) 4-Chlorotoluene	10.59	91	9881	2.253	ug/l	99
83) tert-Butylbenzene	10.91	119	8667	2.085	ug/l	95
84) 1,2,4-Trimethylbenzene	10.96	105	9386	2.131	ug/l	99
85) sec-Butylbenzene	11.13	105	12195	2.240	ug/l	100
86) p-Isopropyltoluene	11.29	119	10696	2.244	ug/l	97
87) 1,3-Dichlorobenzene	11.23	146	5537	2.395	ug/l	98
88) 1,4-Dichlorobenzene	11.32	146	5907	2.527	ug/l	86
89) n-Butylbenzene	11.70	91	10943	2.365	ug/l	98
90) Hexachloroethane	11.95	117	1725	2.035	ug/l	96
91) 1,2-Dichlorobenzene	11.69	146	4996	2.448	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.48	75	293	1.989	ug/l	74
93) 1,2,4-Trichlorobenzene	13.31	180	3741	2.848	ug/l	99

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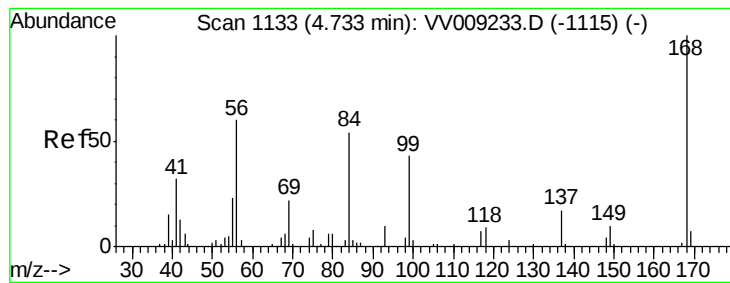
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.50	225	2396	2.943	ug/l	96
95) Naphthalene	13.56	128	6502	2.862	ug/l	96
96) 1,2,3-Trichlorobenzene	13.79	180	3331	2.994	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion:168 Resp: 85039

Ion Ratio Lower Upper

168 100

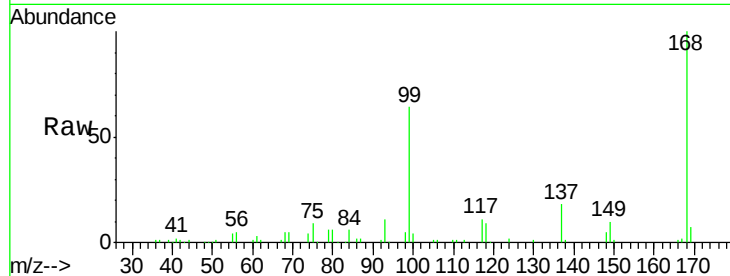
99 64.0 50.9 76.3

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Abundance Ion 167.90 (167.60 to 168.60): VV009233.D (-1115) (-)

Ion 98.90 (98.60 to 99.60): VV009233.D (-1115) (-)

4.73

40000

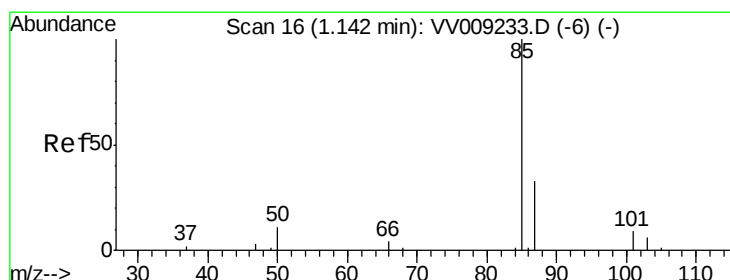
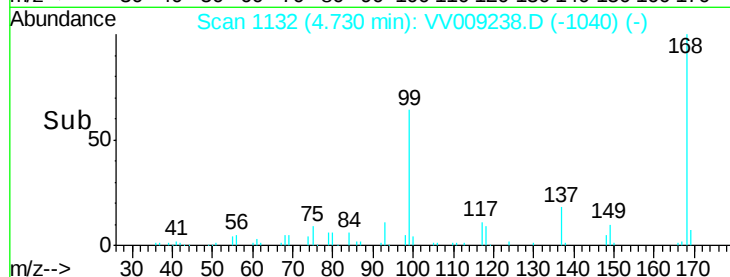
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.931 ug/l

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009238.D

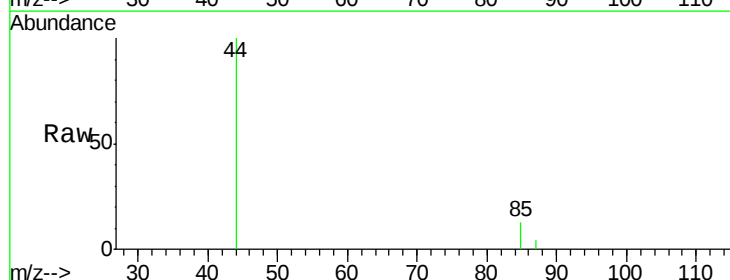
Acq: 22 Jan 2019 16:41

Tgt Ion: 85 Resp: 1328

Ion Ratio Lower Upper

85 100

87 30.1 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VV009233.D (-6) (-)

Ion 86.90 (86.60 to 87.60): VV009233.D (-6) (-)

1.14

800

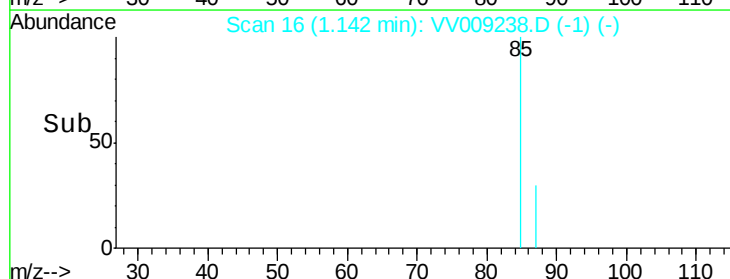
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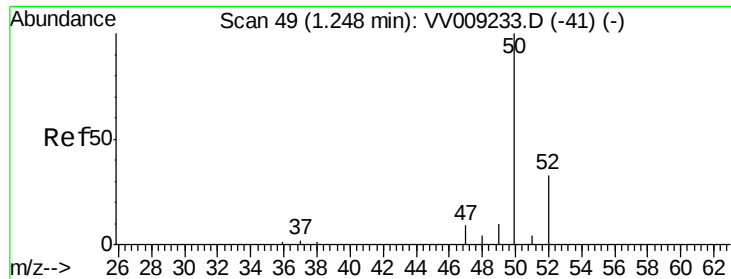
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200

0

Time-->





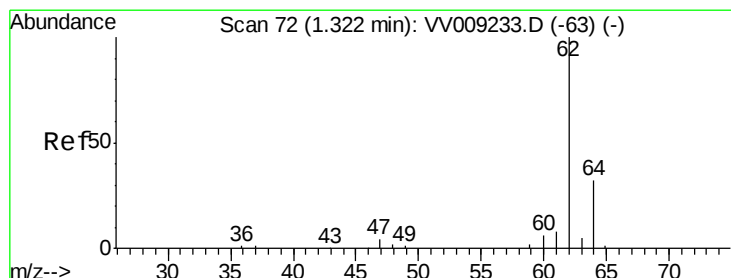
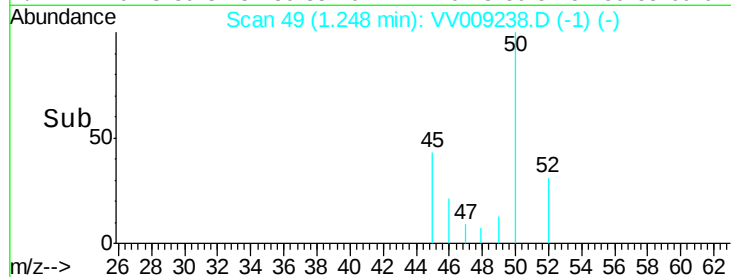
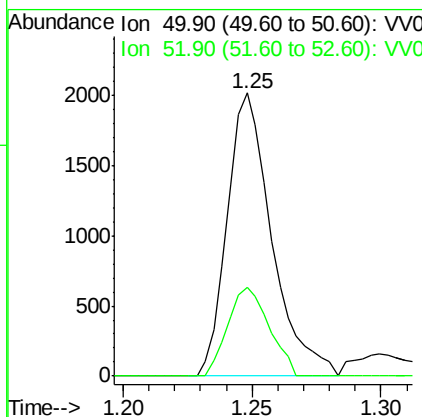
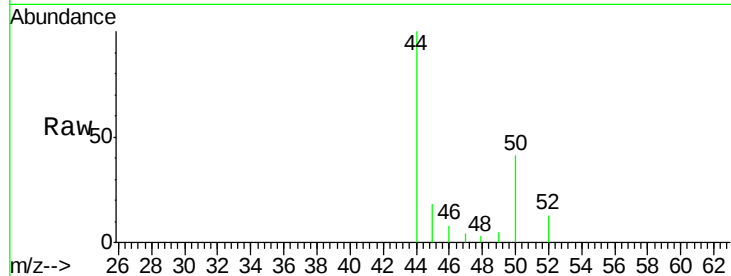
#3
 Chloromethane
 Concen: 2.615 ug/l
 RT: 1.25 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.3	39.5

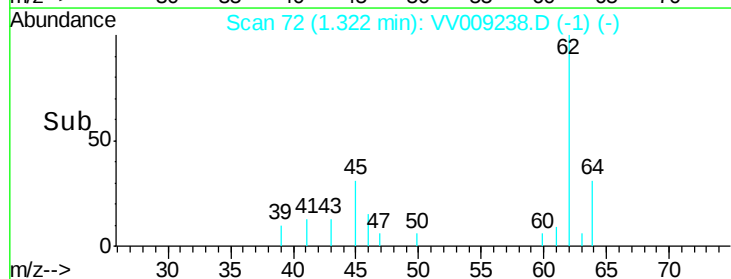
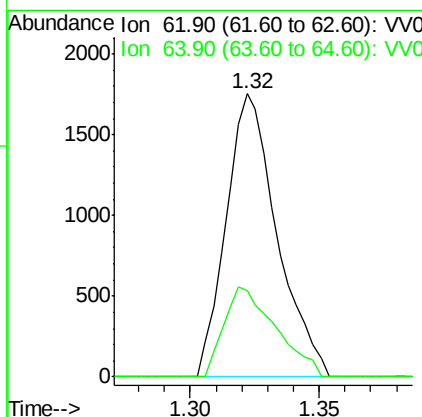
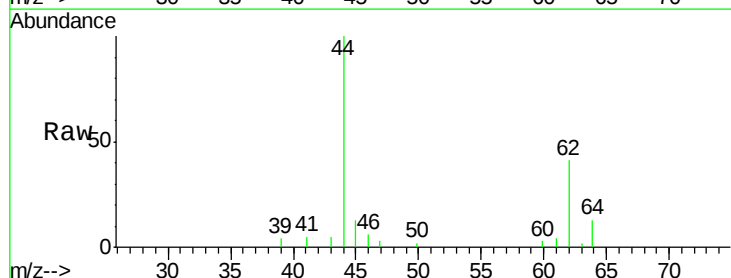
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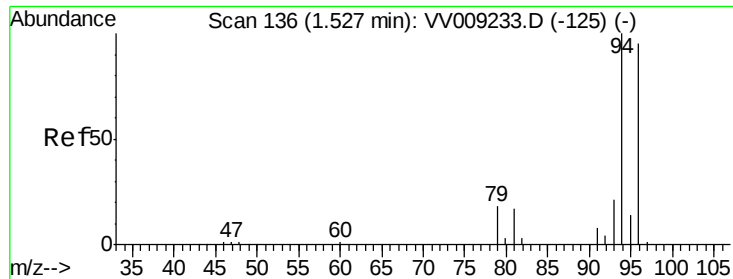
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#4
 Vinyl Chloride
 Concen: 2.278 ug/l
 RT: 1.32 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.4	38.0





#5

Bromomethane

Concen: 2.853 ug/l

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 94 Resp: 1702

Ion Ratio Lower Upper

94 100

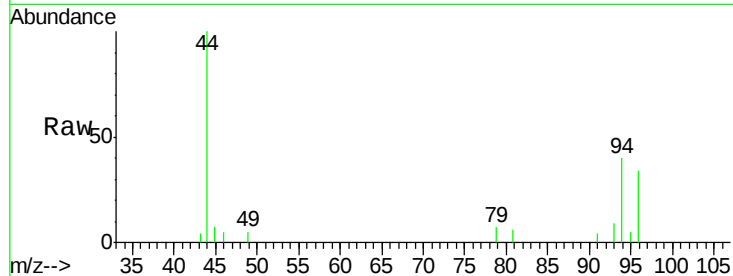
96 86.6 76.3 114.5

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Abundance Ion 93.90 (93.60 to 94.60): VV009233.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VV009233.D (-125) (-)

1.53

1200

1000

800

600

400

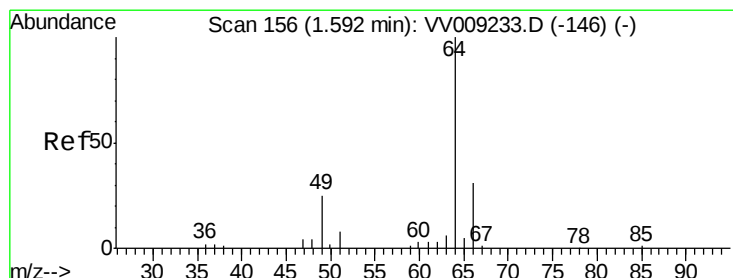
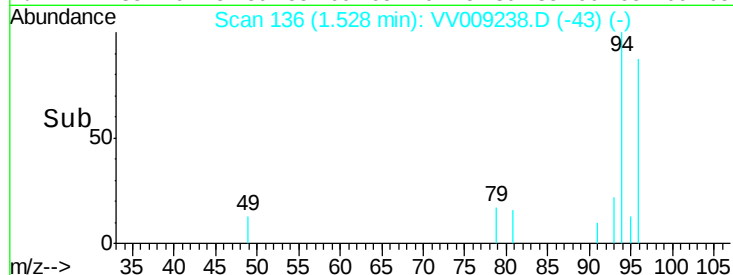
200

0

1.50

1.55

Time-->



#6

Chloroethane

Concen: 2.180 ug/l

RT: 1.60 min Scan# 158

Delta R.T. 0.01 min

Lab File: VV009238.D

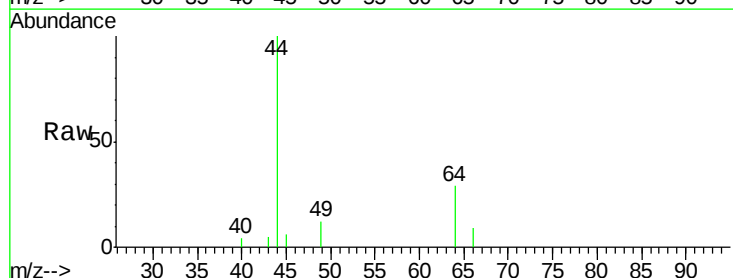
Acq: 22 Jan 2019 16:41

Tgt Ion: 64 Resp: 1282

Ion Ratio Lower Upper

64 100

66 31.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VV009233.D (-146) (-)

Ion 65.90 (65.60 to 66.60): VV009233.D (-146) (-)

1.60

800

600

400

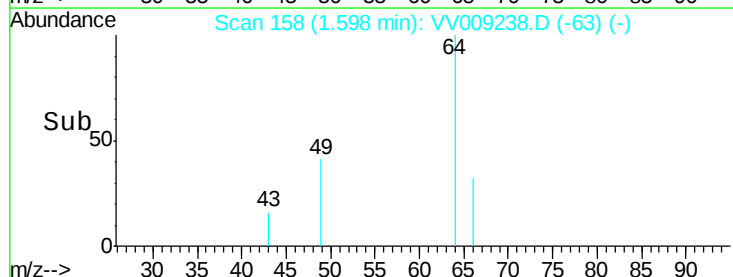
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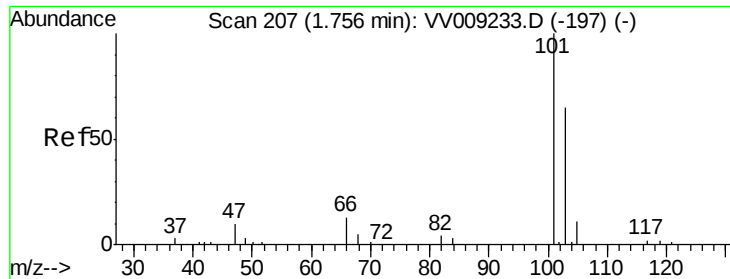
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1.55

1.60

Time-->





#7

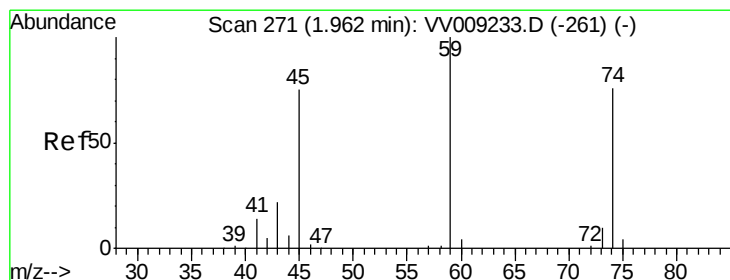
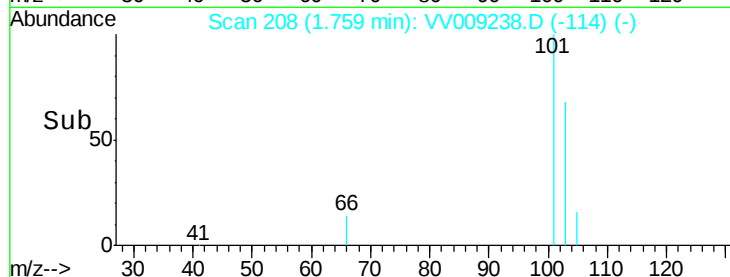
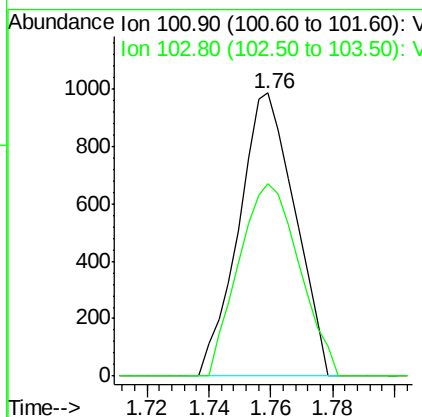
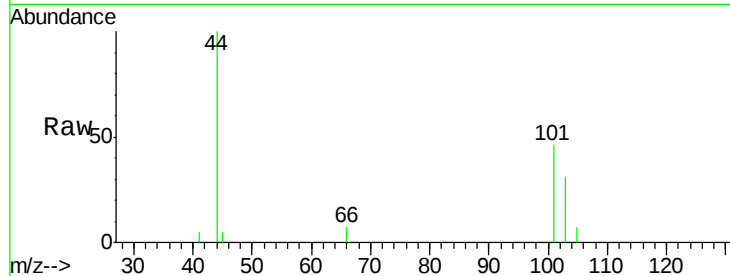
Trichlorofluoromethane
 Concen: 1.684 ug/l
 RT: 1.76 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion:101 Resp: 1243
 Ion Ratio Lower Upper
 101 100
 103 67.8 52.2 78.4

Manual Integrations
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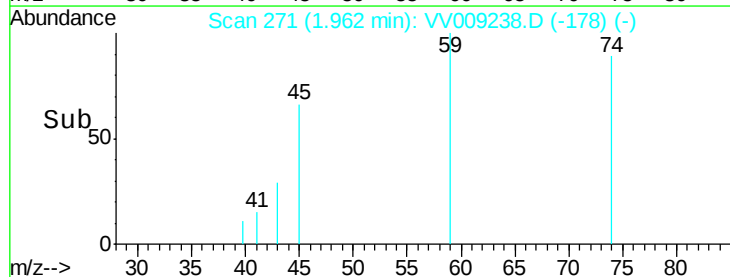
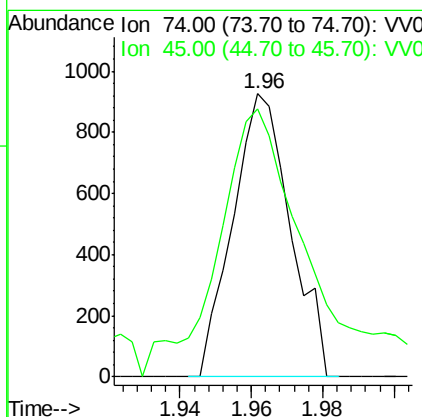
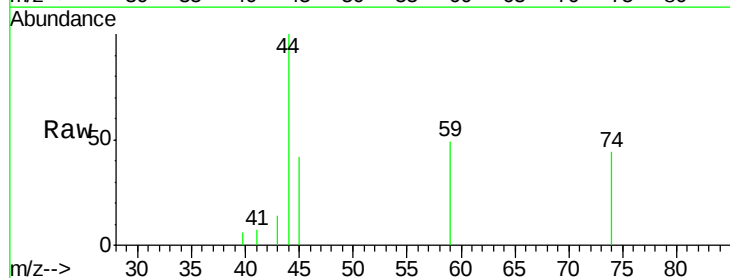
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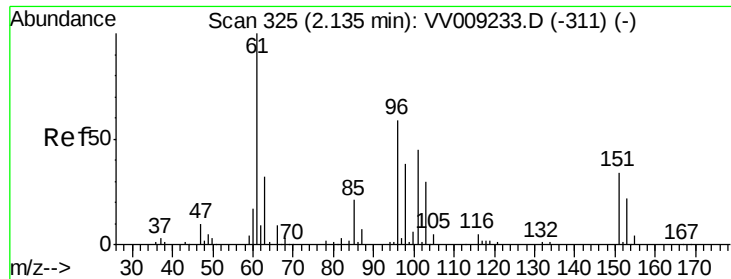


#8

Diethyl Ether
 Concen: 2.227 ug/l
 RT: 1.96 min Scan# 271
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Tgt Ion: 74 Resp: 1034
 Ion Ratio Lower Upper
 74 100
 45 146.2 49.1 147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.111 ug/l

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Instrument :

MSVOA_V

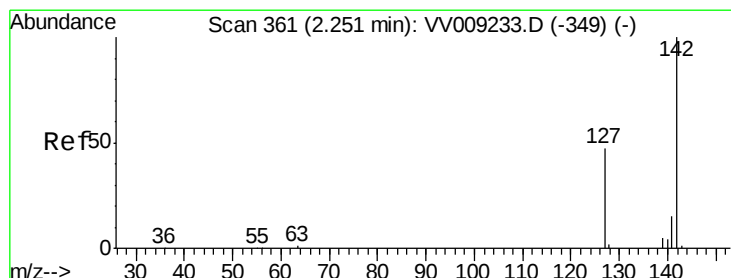
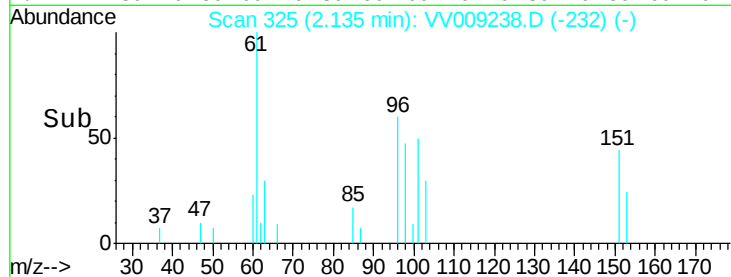
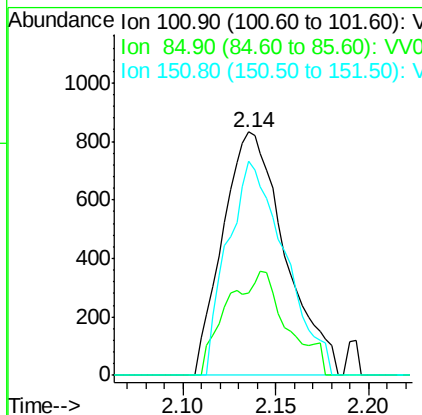
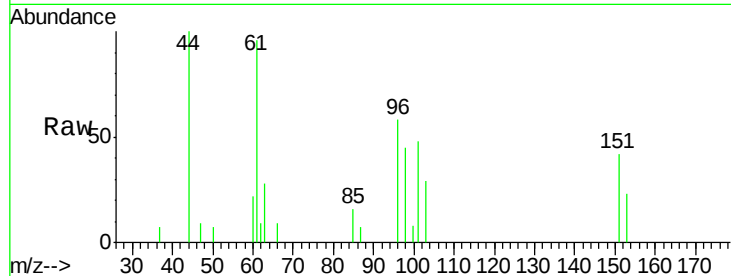
ClientSampled :

MDL01

Tot Ion:	101	Resp:	1937
Ion Ratio	Lower	Upper	
101	100		
85	14.9	35.3	52.9#
151	81.1	60.1	90.1

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#10

Methyl Iodide

Concen: 2.136 ug/l

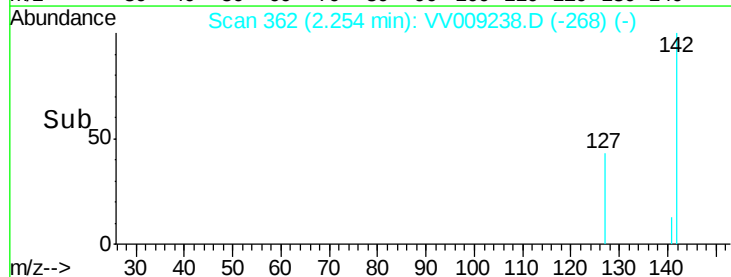
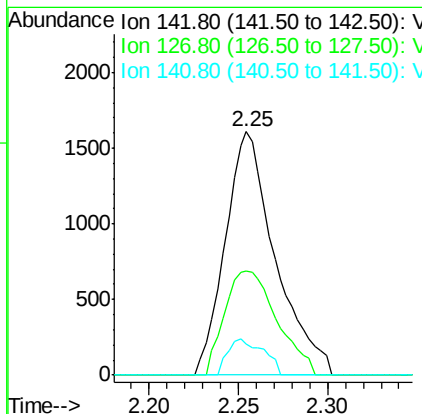
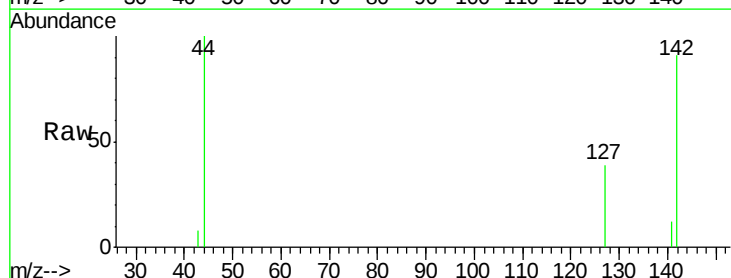
RT: 2.25 min Scan# 362

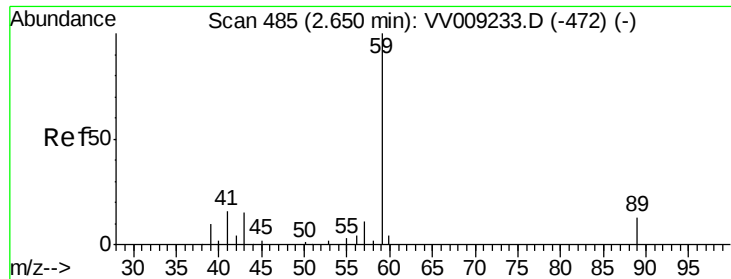
Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Tgt Ion:	142	Resp:	3128
Ion Ratio	Lower	Upper	
142	100		
127	44.8	37.9	56.9
141	10.5	11.7	17.5#





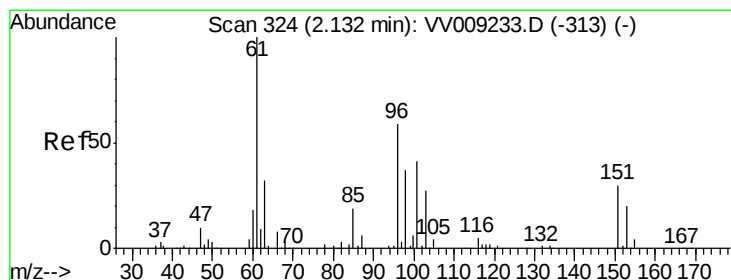
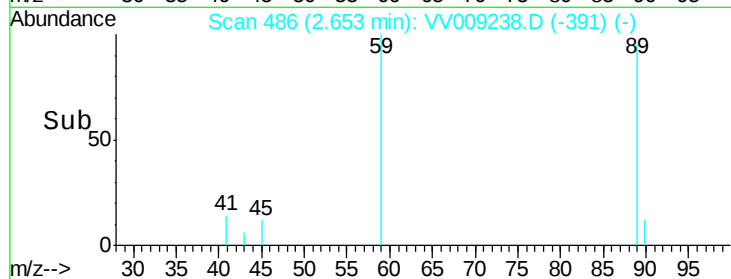
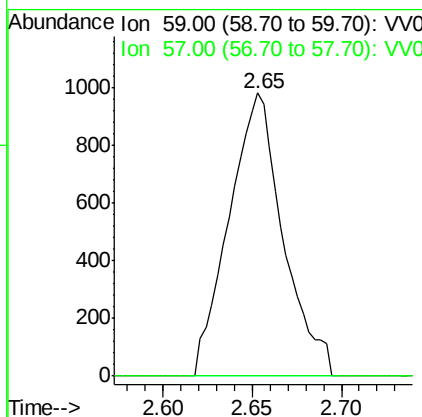
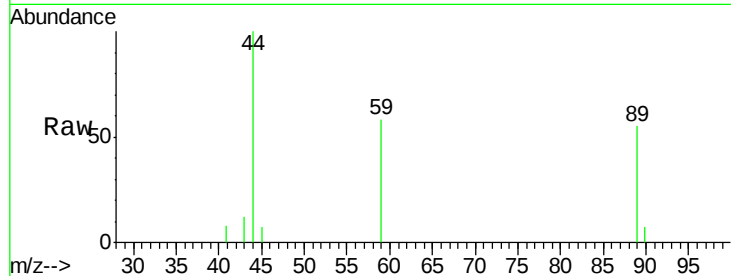
#11
Tert butyl alcohol
Concen: 27.317 ug/l
RT: 2.65 min Scan# 486
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion: 59 Resp: 2071
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

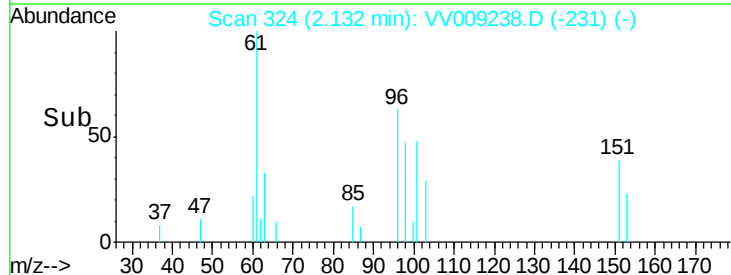
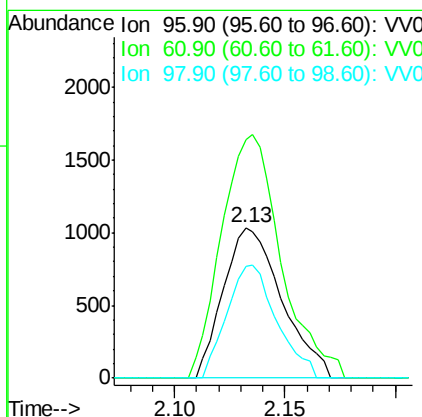
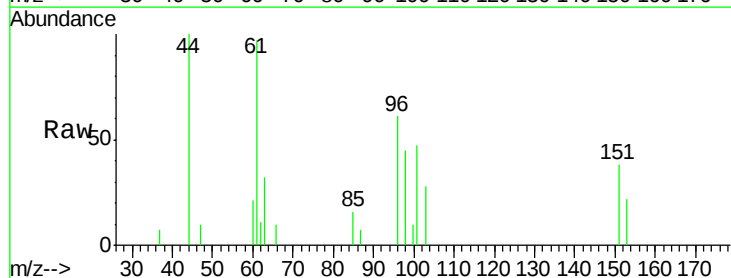
Manual Integrations
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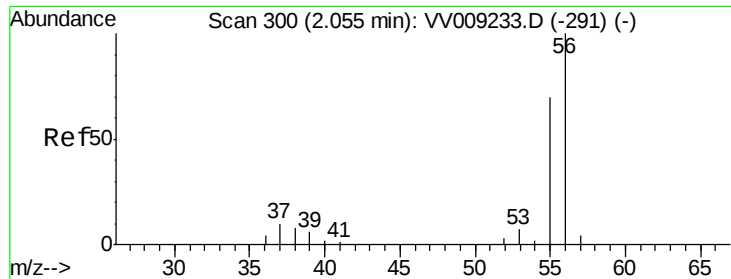
MMDadoda
1/24/2019 11:44:28 AM



#12
1,1-Dichloroethene
Concen: 2.112 ug/l
RT: 2.13 min Scan# 324
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion: 96 Resp: 1902
Ion Ratio Lower Upper
96 100
61 158.5 136.6 205.0
98 73.8 50.6 75.8





#13

Acrolein

Concen: 11.518 ug/l

RT: 2.06 min Scan# 301

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 56 Resp: 686

Ion Ratio Lower Upper

56 100

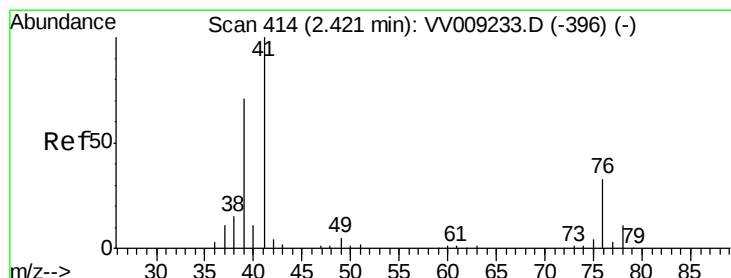
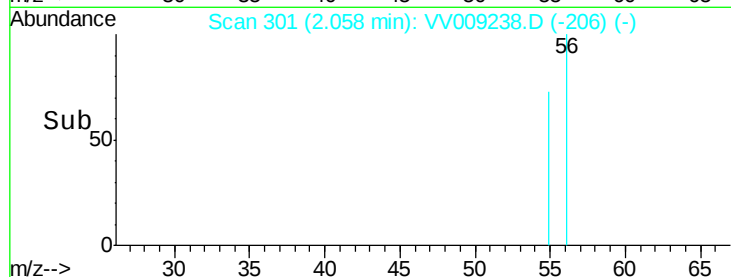
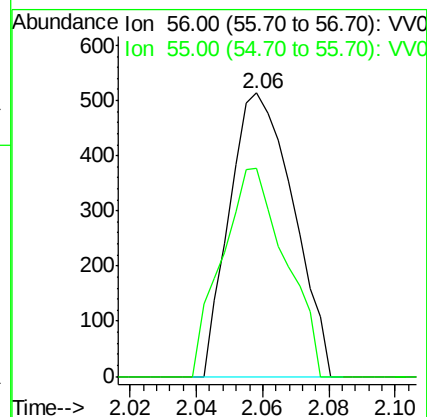
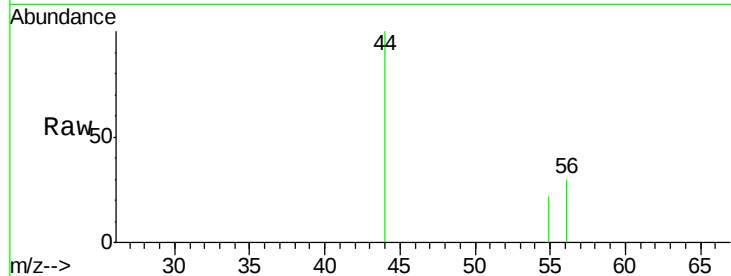
55 73.0 54.0 81.0

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#14

Allyl chloride

Concen: 2.167 ug/l

RT: 2.42 min Scan# 414

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

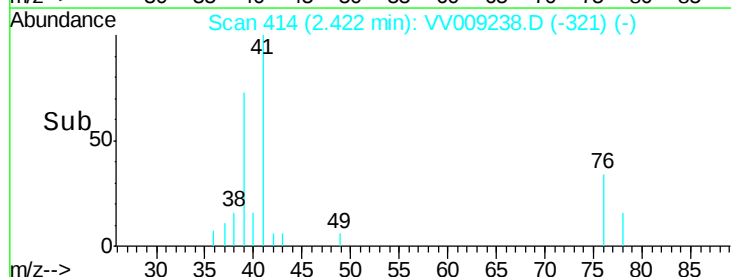
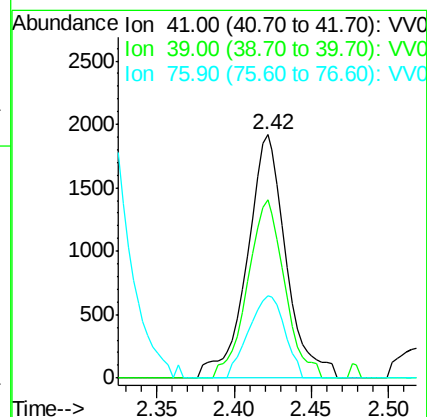
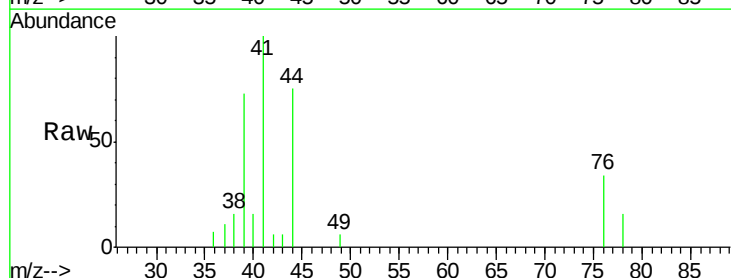
Tgt Ion: 41 Resp: 3364

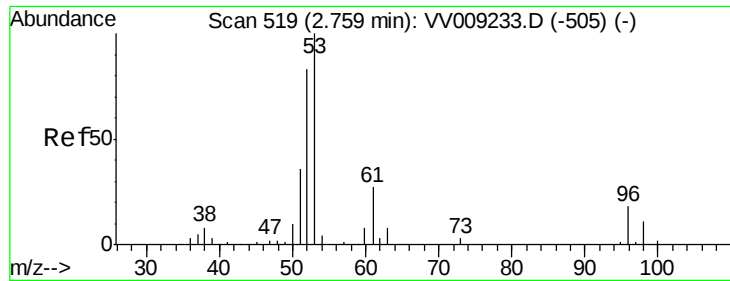
Ion Ratio Lower Upper

41 100

39 69.8 55.1 82.7

76 31.2 26.7 40.1





#15

Acrylonitrile

Concen: 10.535 ug/l

RT: 2.76 min Scan# 518

Delta R.T. -0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Instrument :

MSVOA_V

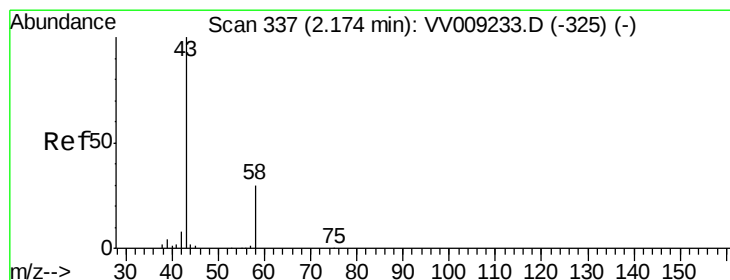
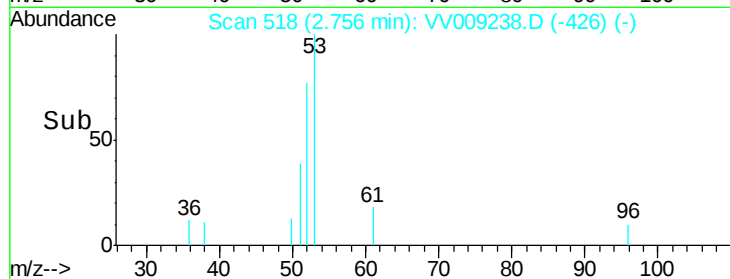
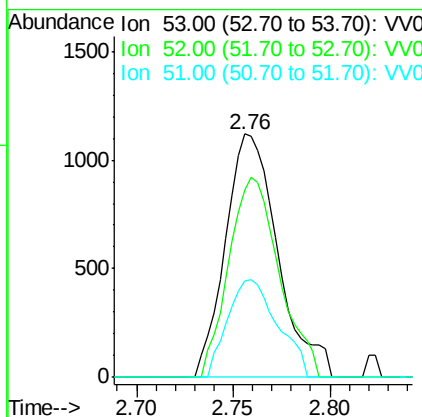
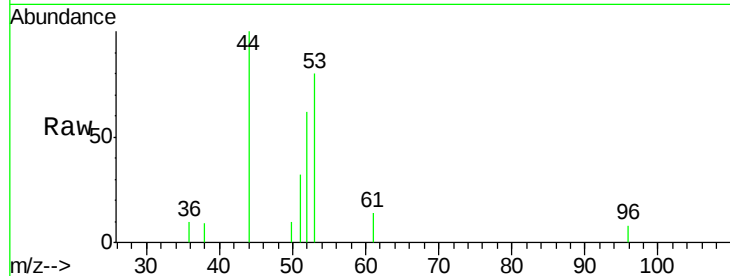
ClientSampled :

MDL01

Tot Ion:	53	Resp:	2119
Ion	Ratio	Lower	Upper
53	100		
52	78.7	65.3	97.9
51	37.8	29.0	43.4

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#16

Acetone

Concen: 16.636 ug/l

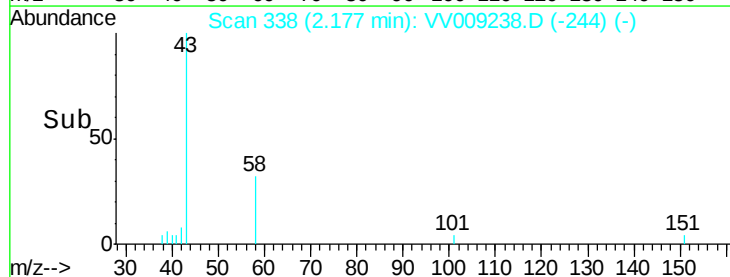
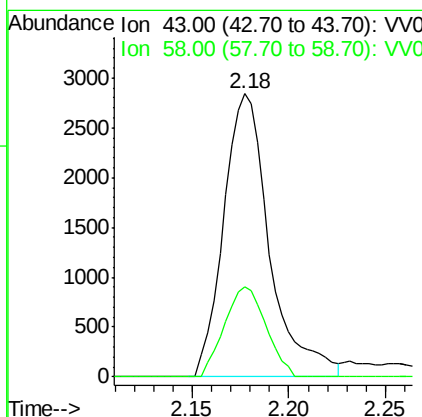
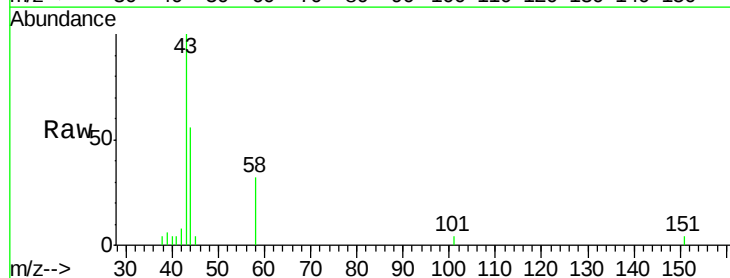
RT: 2.18 min Scan# 338

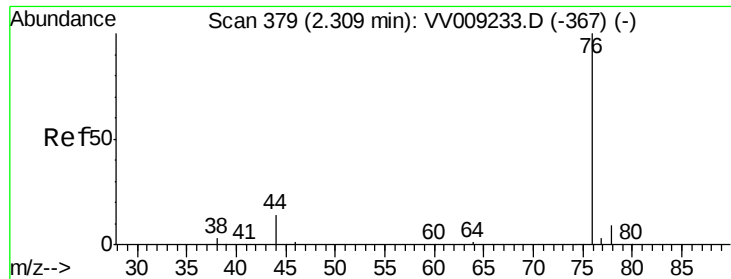
Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Tgt Ion:	43	Resp:	4681
Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.4	36.6





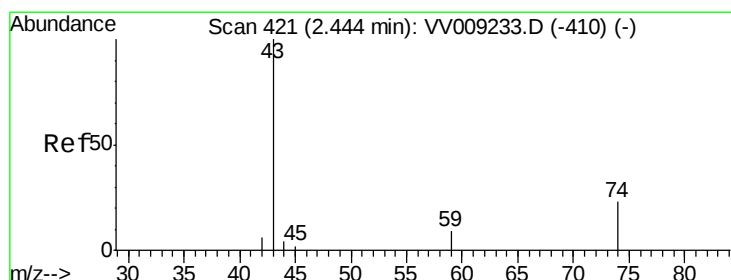
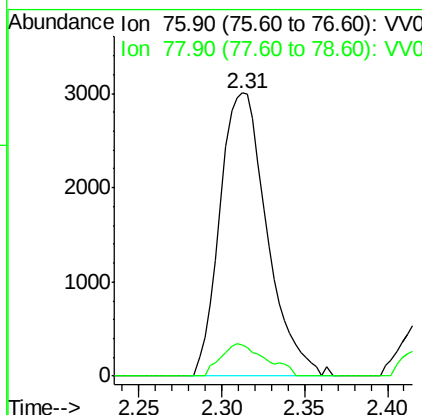
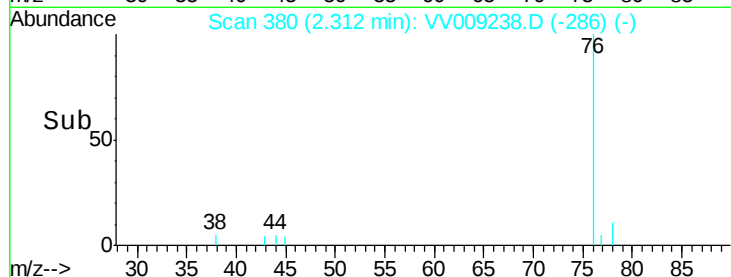
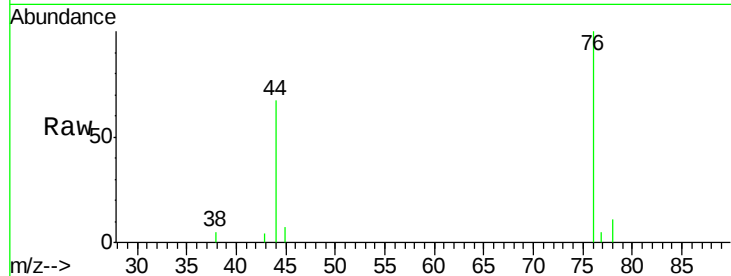
#17
Carbon Disulfide
Concen: 2.153 ug/l
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion: 76 Resp: 5933
Ion Ratio Lower Upper
76 100
78 11.3 7.3 10.9#

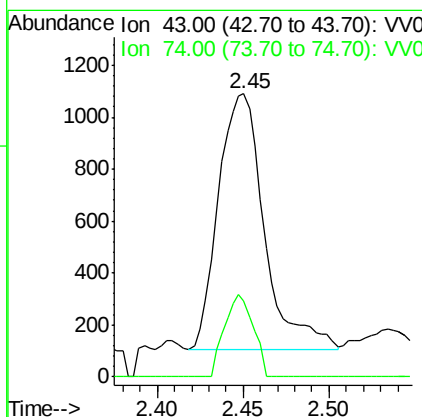
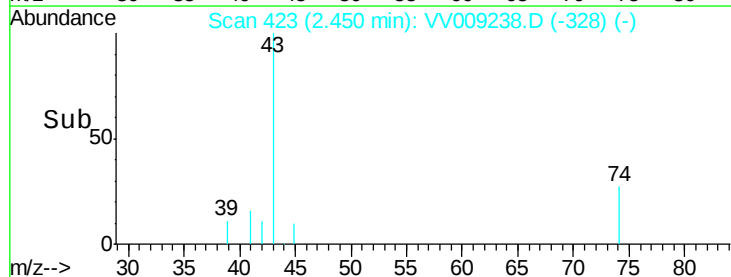
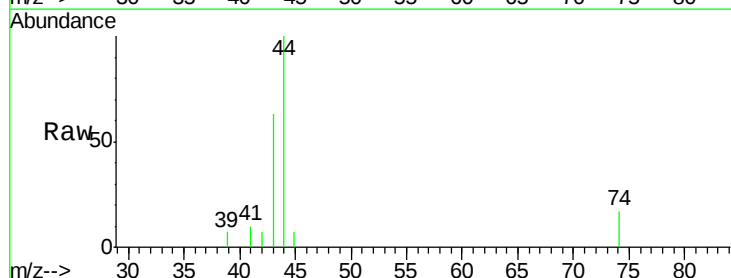
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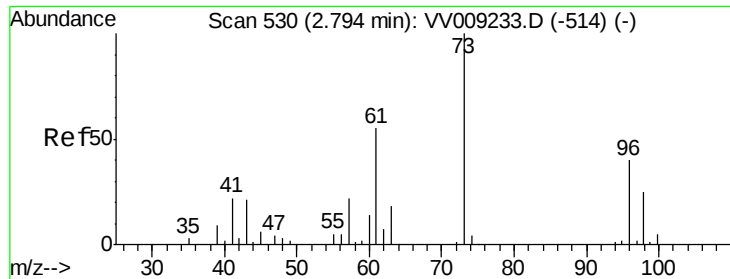
MMDadoda
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#18
Methyl Acetate
Concen: 2.454 ug/l
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion: 43 Resp: 1844
Ion Ratio Lower Upper
43 100
74 20.2 19.7 29.5





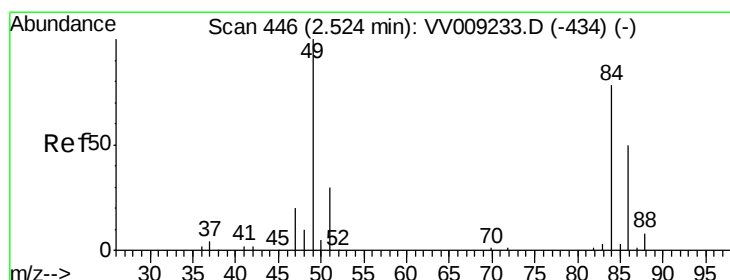
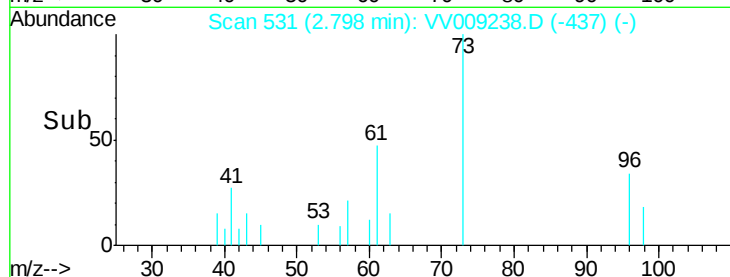
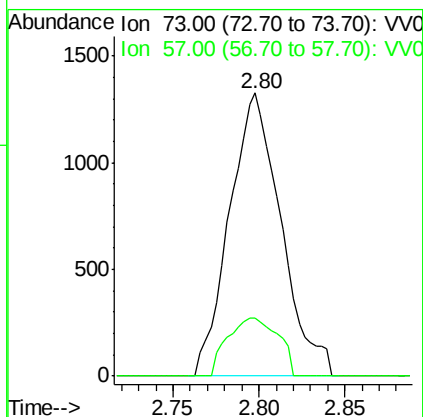
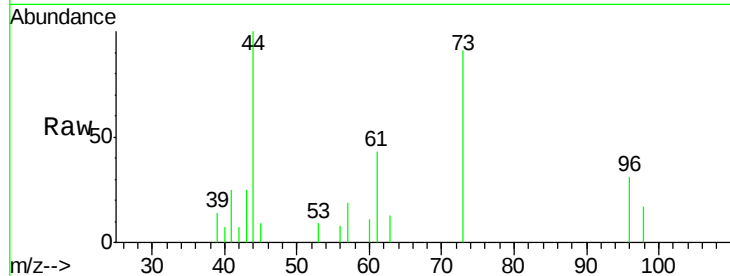
#19
Methvl tert-butvl Ether
Concen: 1.978 ug/l
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion: 73 Resp: 2765
Ion Ratio Lower Upper
73 100
57 20.6 18.0 27.0

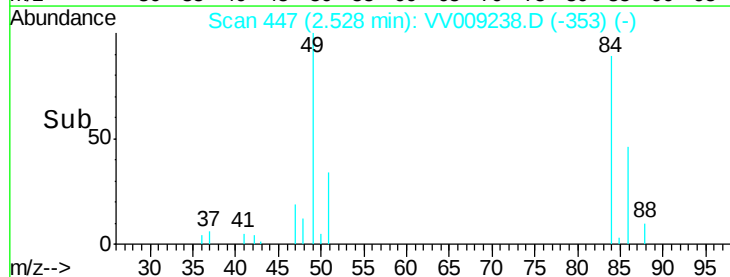
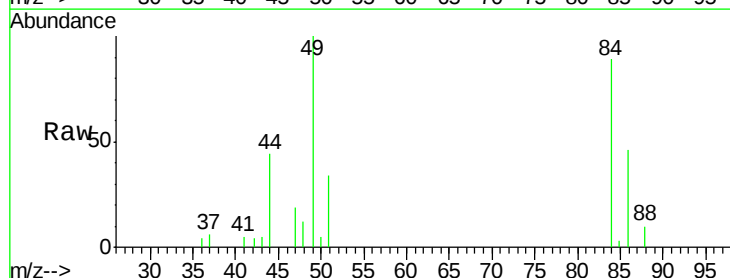
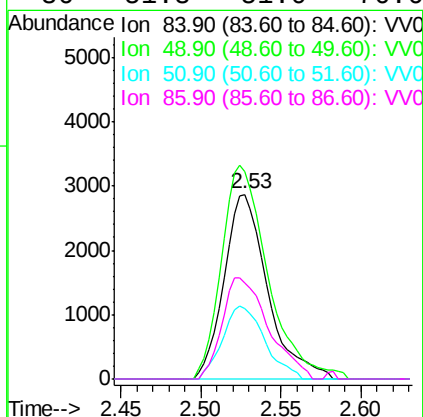
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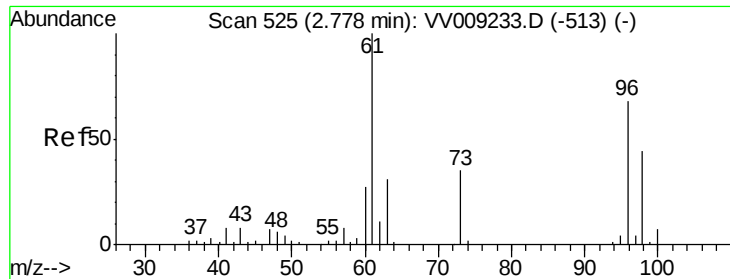
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#20
Methylene Chloride
Concen: 5.092 ug/l
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion: 84 Resp: 5338
Ion Ratio Lower Upper
84 100
49 112.2 102.0 153.0
51 38.5 30.9 46.3
86 51.8 51.0 76.6





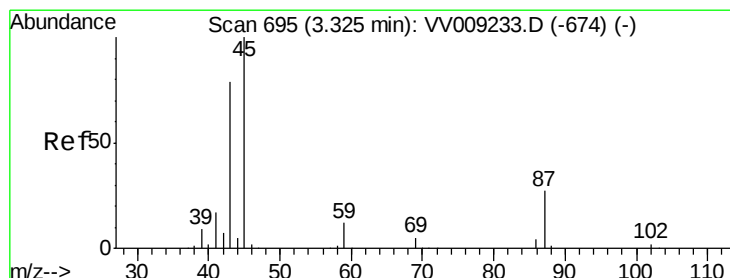
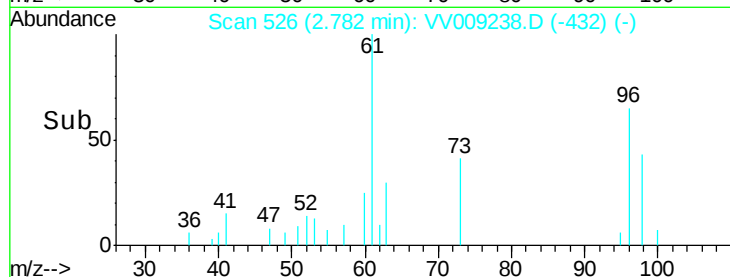
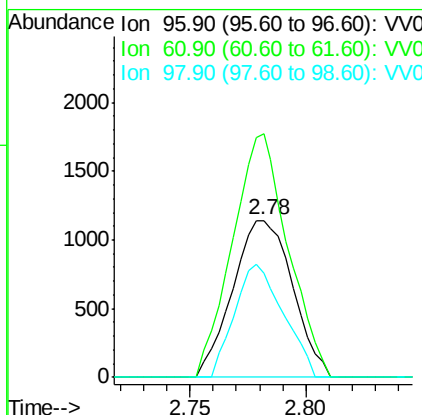
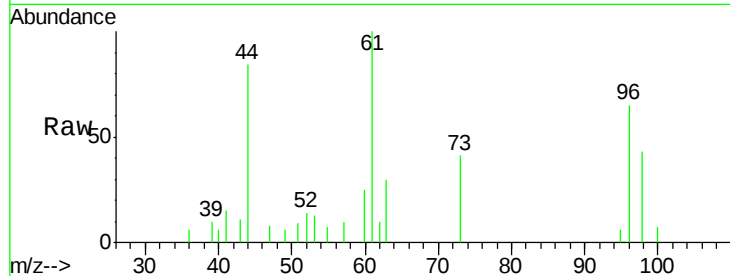
#21
trans-1,2-Dichloroethene
Concen: 2.107 ug/l
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.0	117.7	176.5
98	66.1	51.5	77.3

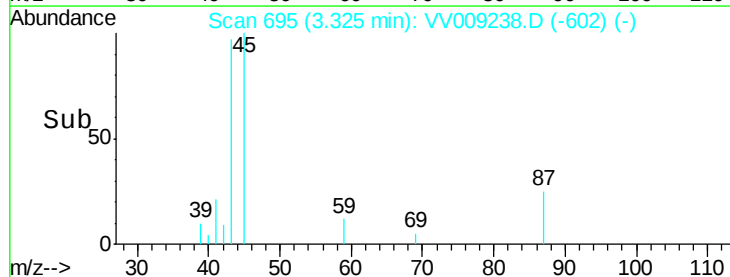
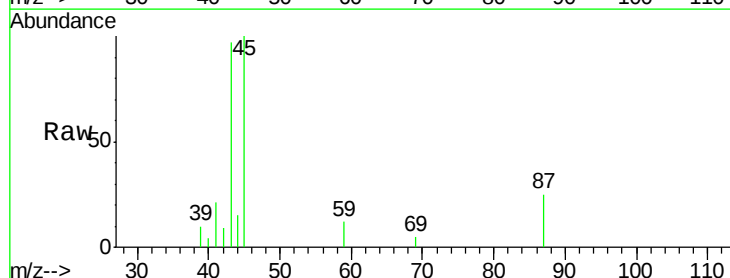
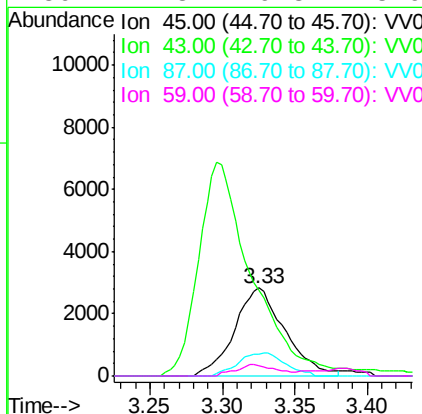
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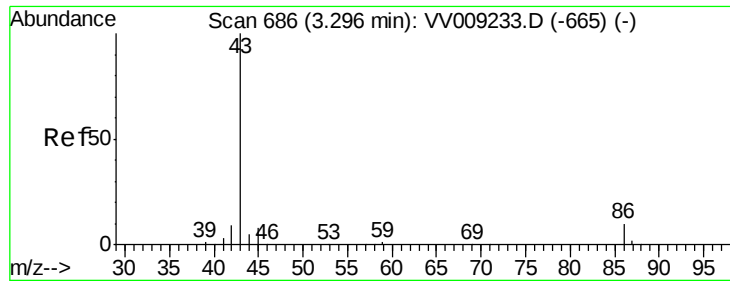
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#22
Diisopropyl ether
Concen: 2.058 ug/l
RT: 3.33 min Scan# 695
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	88.0	63.0	94.4
87	25.1	21.5	32.3
59	11.8	9.3	13.9





#23

Vinyl Acetate

Concen: 9.866 ug/l

RT: 3.30 min Scan# 686

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 43 Resp: 17695

Ion Ratio Lower Upper

43 100

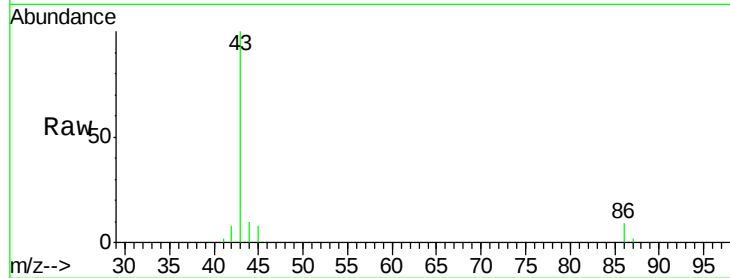
86 8.9 8.1 12.1

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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

8000

6000

4000

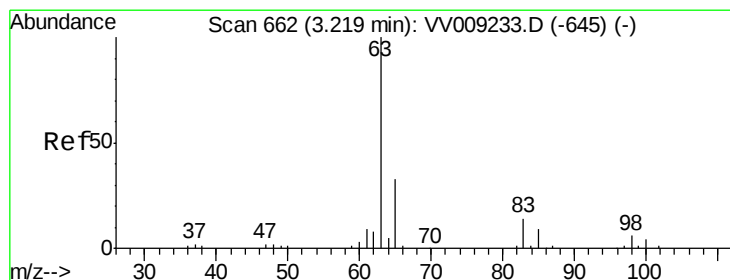
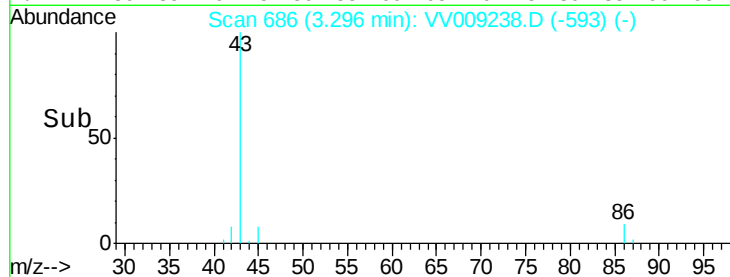
2000

0

Time-->

3.20 3.30 3.40

3.30



#24

1,1-Dichloroethane

Concen: 2.101 ug/l

RT: 3.22 min Scan# 662

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

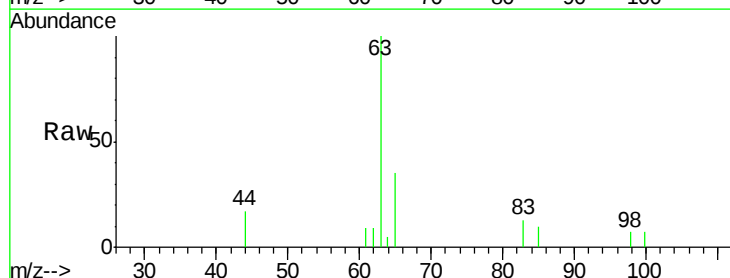
Tgt Ion: 63 Resp: 4321

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 6.7 2.2 6.6#



Abundance Ion 62.90 (62.60 to 63.60): VV0

Ion 97.90 (97.60 to 98.60): VV0

Ion 99.90 (99.60 to 100.60): VV0

2500

2000

1500

1000

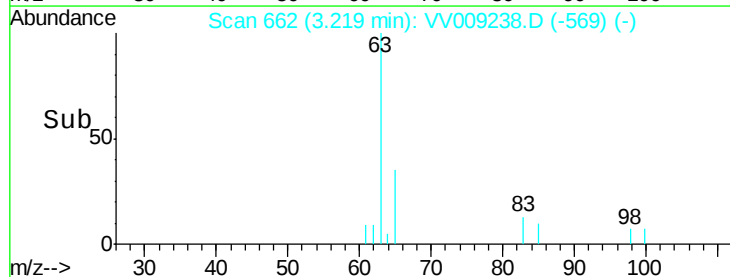
500

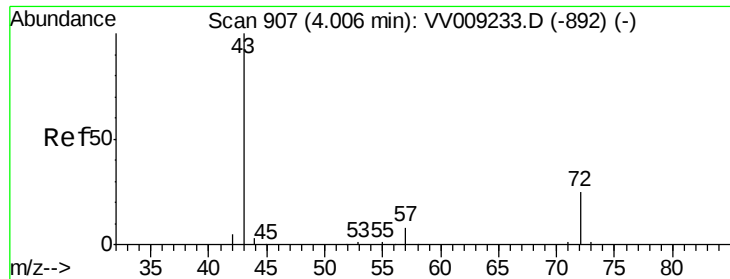
0

Time-->

3.15 3.20 3.25

3.22





#25

2-Butanone

Concen: 10.679 ug/l

RT: 4.03 min Scan# 914

Delta R.T. 0.02 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 43 Resp: 3436

Ion Ratio Lower Upper

43 100

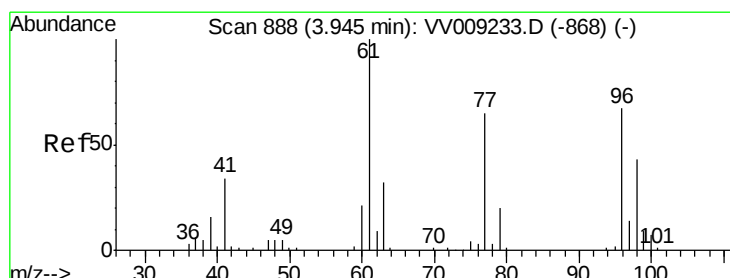
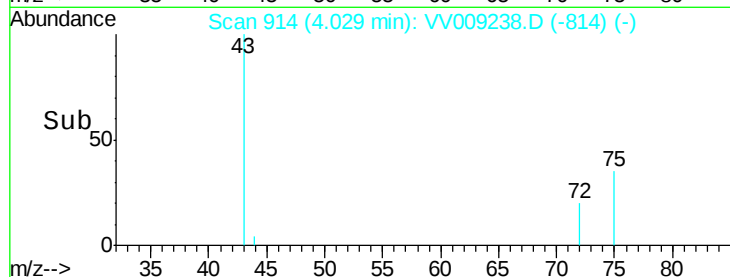
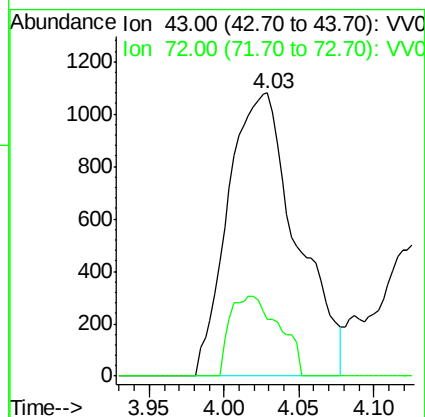
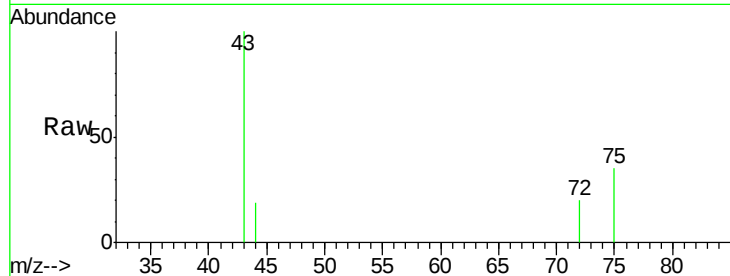
72 20.3 20.2 30.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 1.800 ug/l m

RT: 3.94 min Scan# 885

Delta R.T. -0.01 min

Lab File: VV009238.D

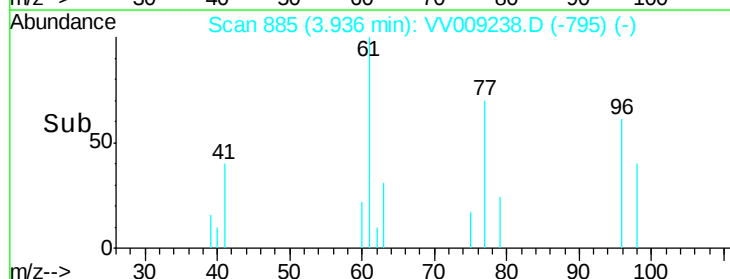
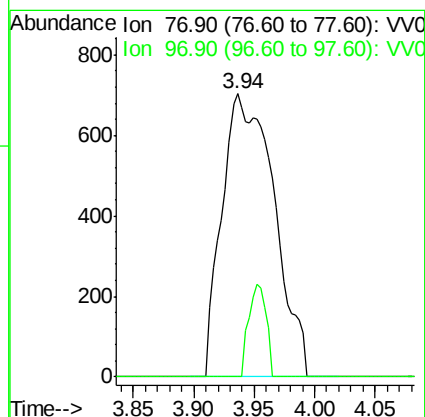
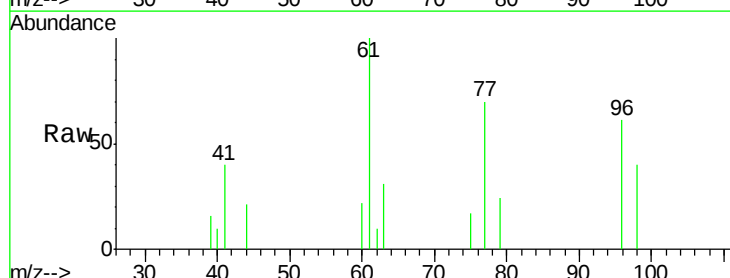
Acq: 22 Jan 2019 16:41

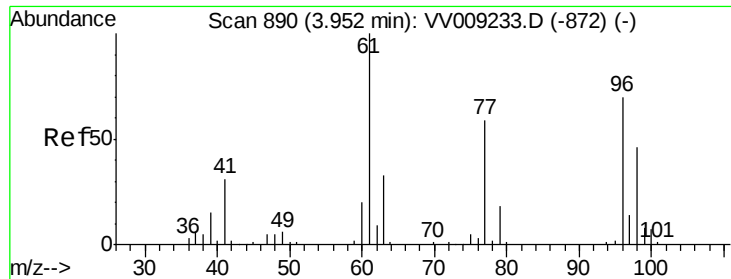
Tgt Ion: 77 Resp: 2083

Ion Ratio Lower Upper

77 100

97 11.2 10.9 32.6





#27

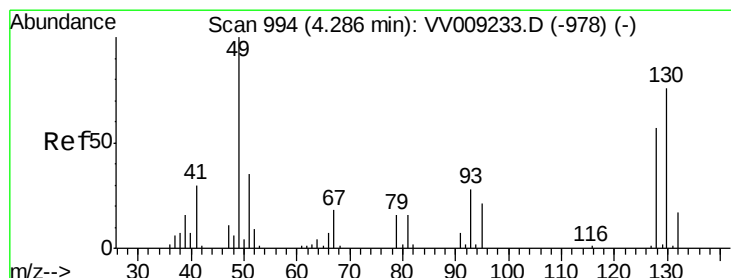
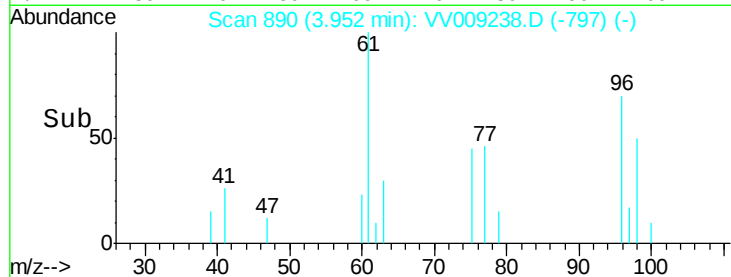
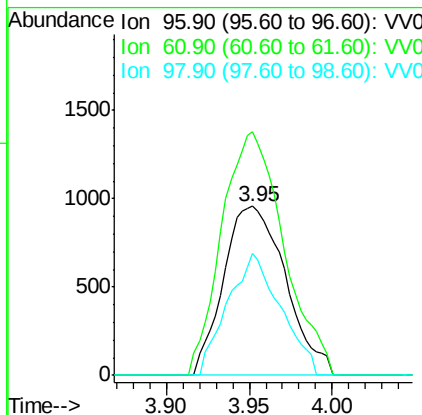
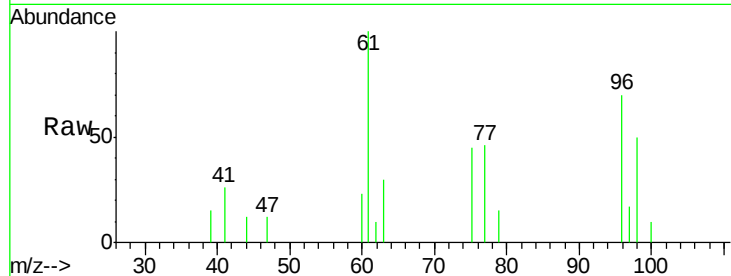
cis-1,2-Dichloroethene
Concen: 2.124 ug/l
RT: 3.95 min Scan# 890
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	296.4
98	61.2	0.0	130.0

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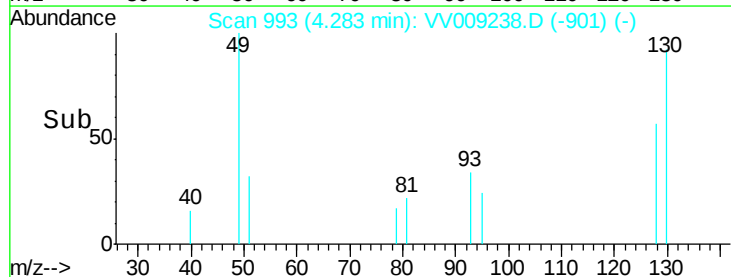
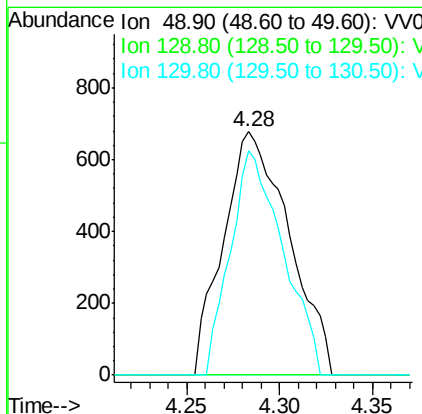
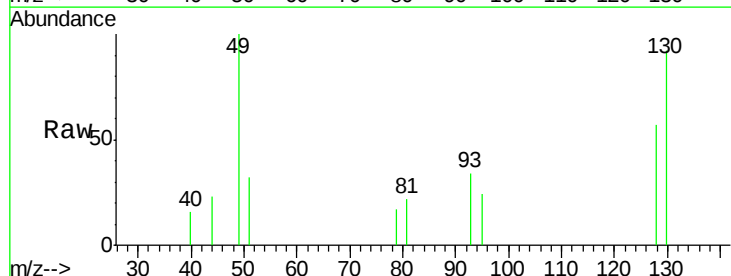
MMDadoda
1/24/2019 11:44:28 AM

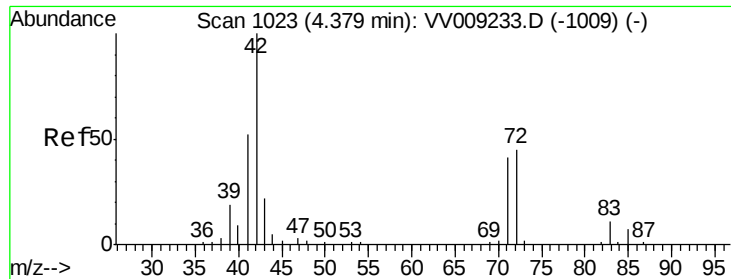


#28

Bromochloromethane
Concen: 2.203 ug/l
RT: 4.28 min Scan# 993
Delta R.T. -0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	73.6	60.2	90.4





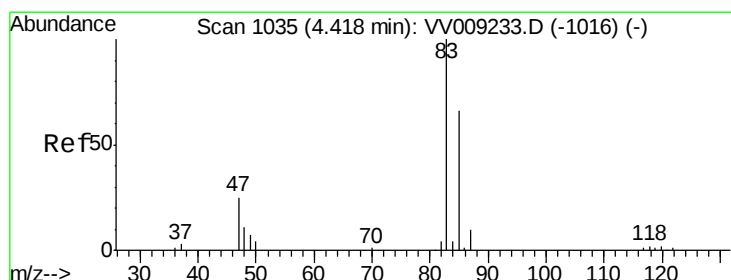
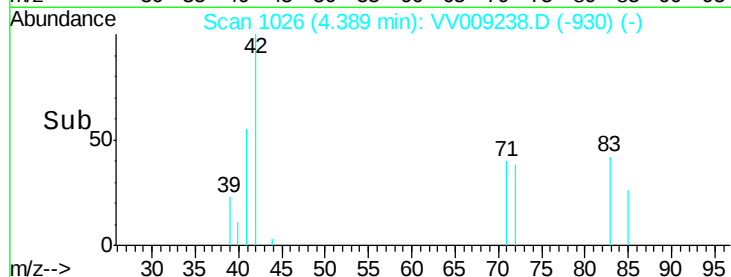
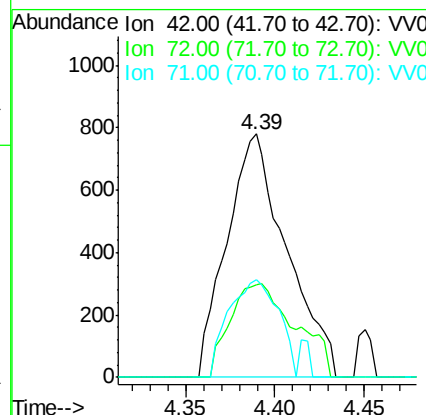
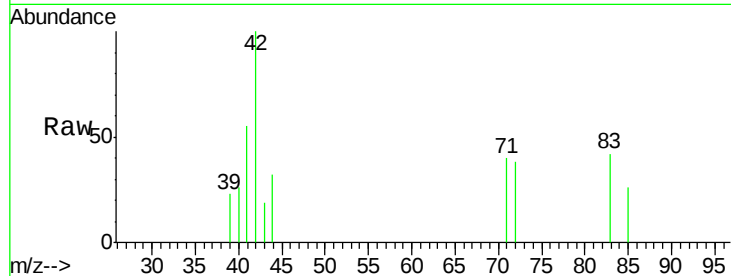
#29
Tetrahydrofuran
Concen: 10.406 ug/l
RT: 4.39 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	37.7	56.5
71	33.6	31.5	47.3

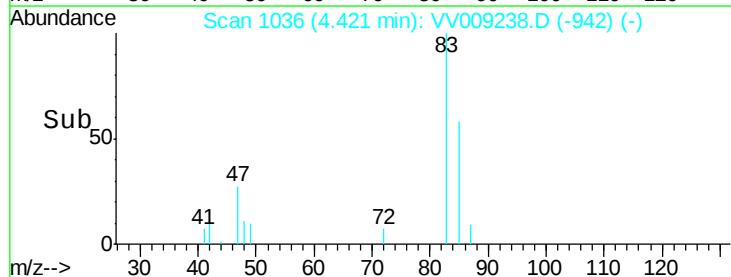
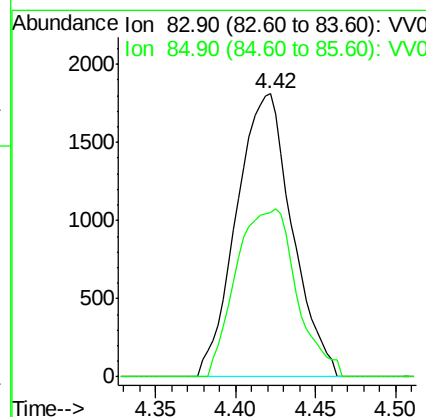
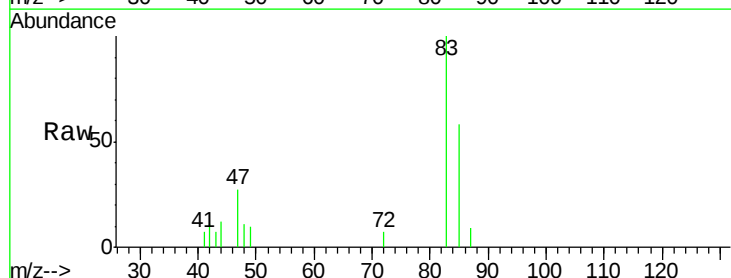
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APPROVED

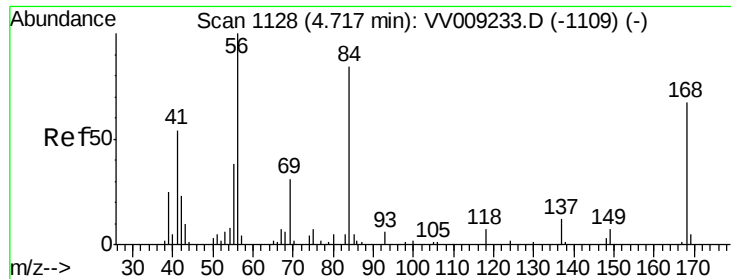
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1/24/2019 11:44:28 AM



#30
Chloroform
Concen: 2.094 ug/l
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.2	52.6	79.0





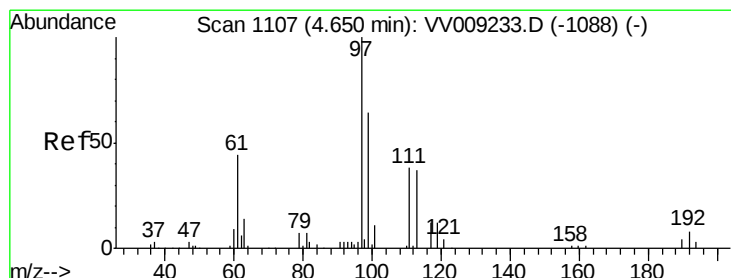
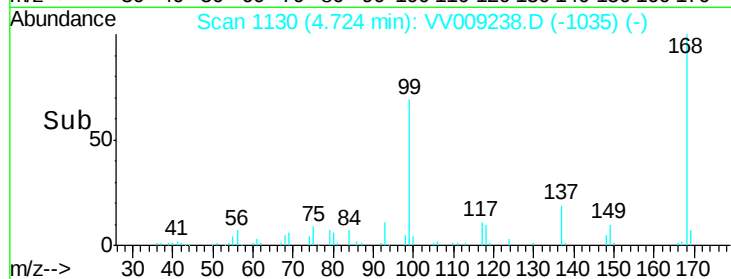
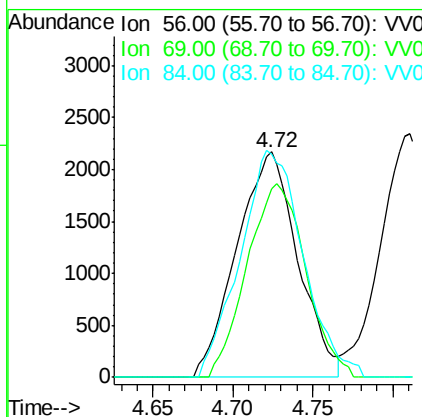
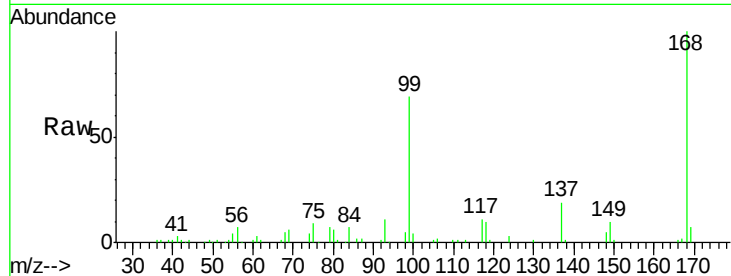
#31
Cyclohexane
Concen: 3.032 ug/l
RT: 4.72 min Scan# 1130
Delta R.T. 0.01 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
56	100		
69	83.7	25.1	37.7#
84	98.8	67.3	100.9

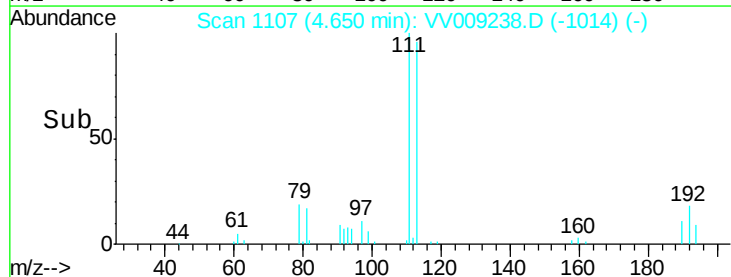
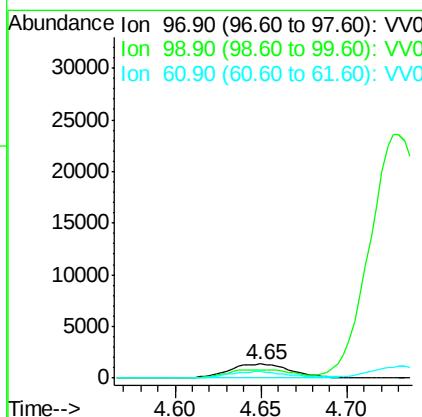
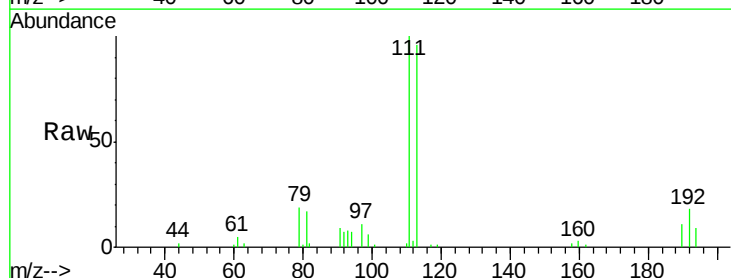
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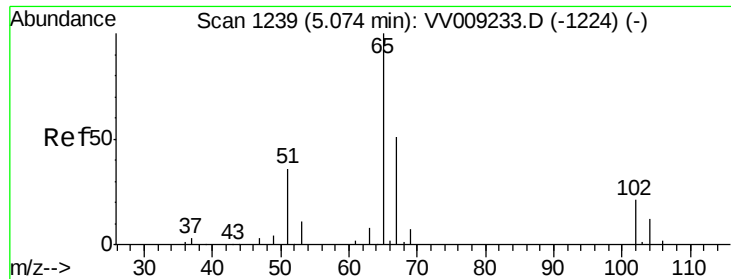
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#32
1,1,1-Trichloroethane
Concen: 1.982 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	50.2	75.2
61	44.3	34.7	52.1





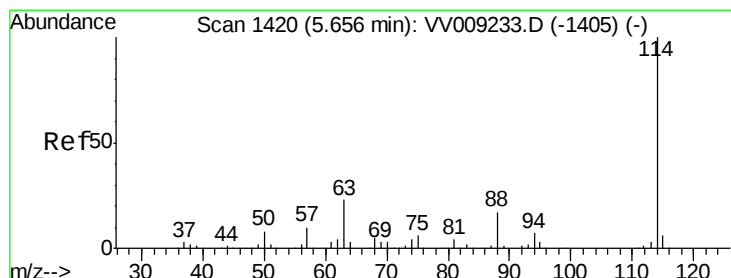
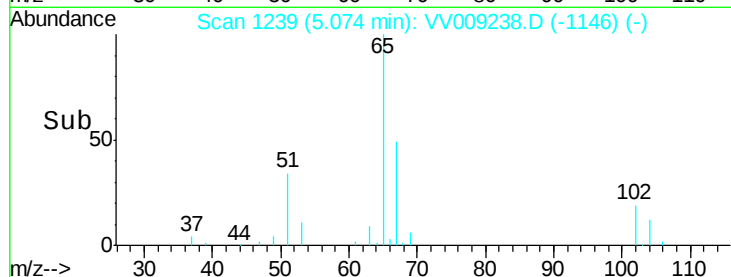
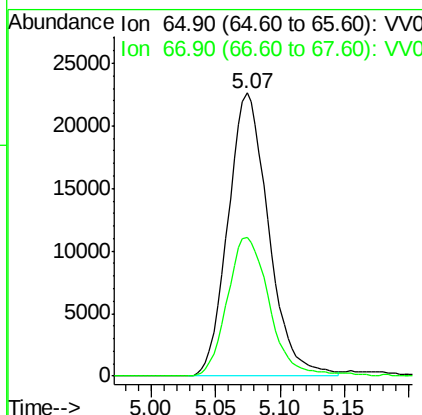
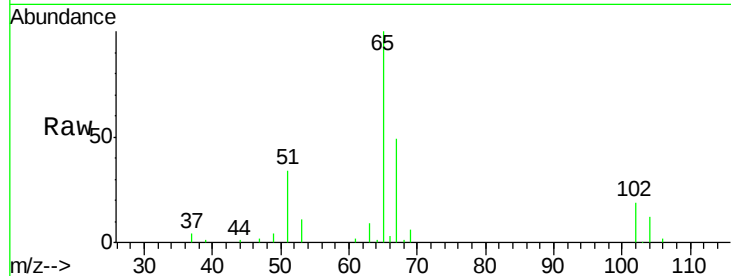
#33
 1,2-Dichloroethane-d4
 Concen: 47.718 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	102.8

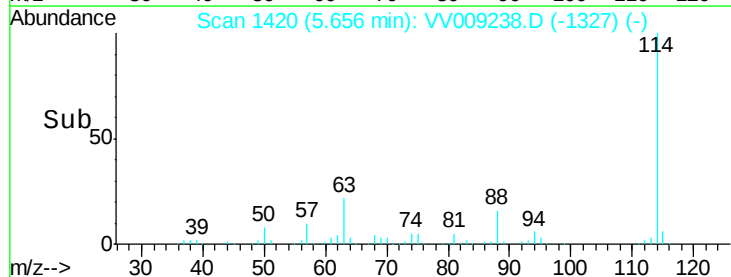
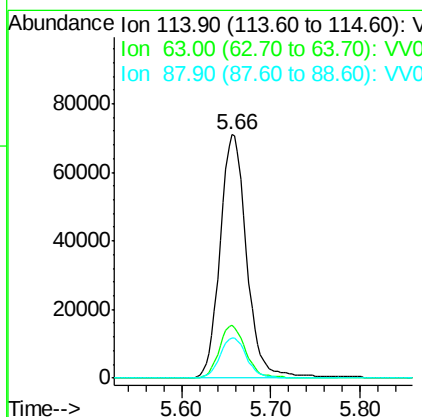
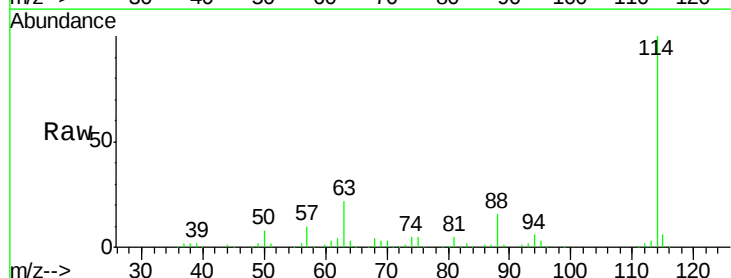
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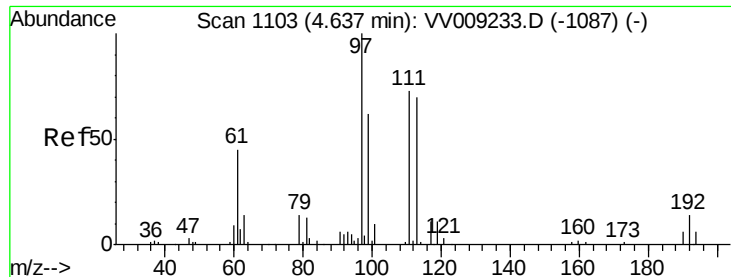
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1420
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	45.2
88	16.3	0.0	33.4





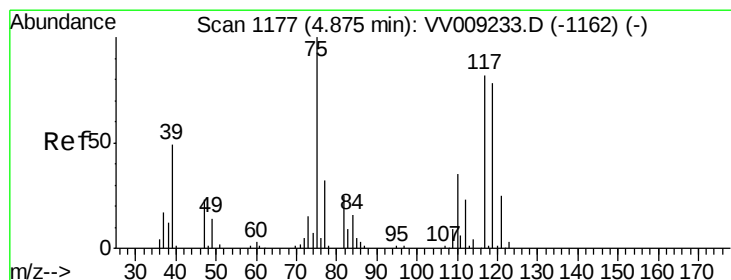
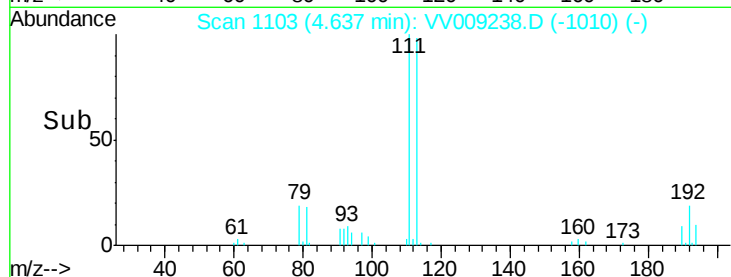
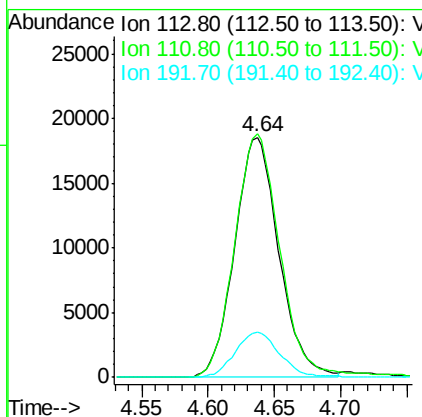
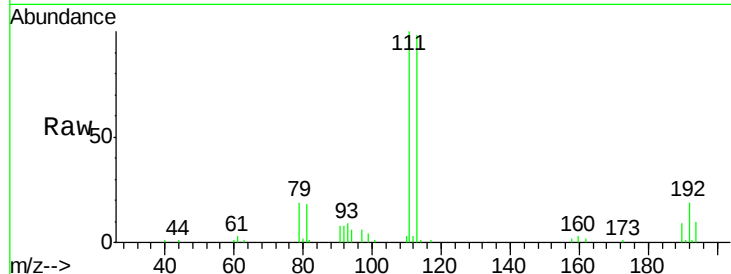
#35
 Dibromofluoromethane
 Concen: 44.989 ug/l
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.4	123.6
192	18.9	15.0	22.6

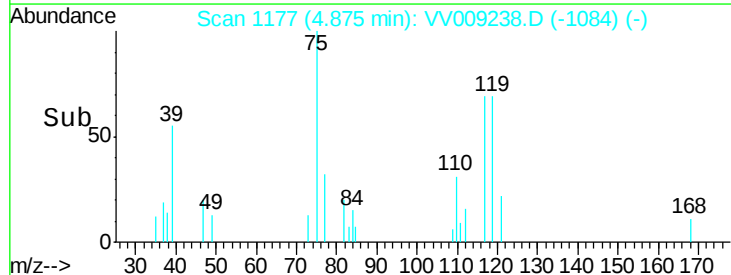
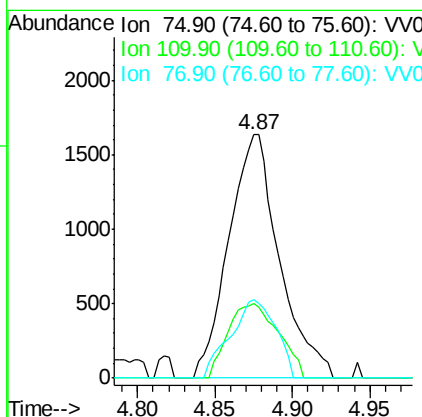
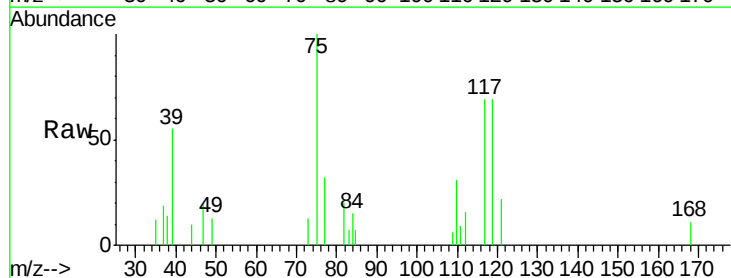
Manual Integrations
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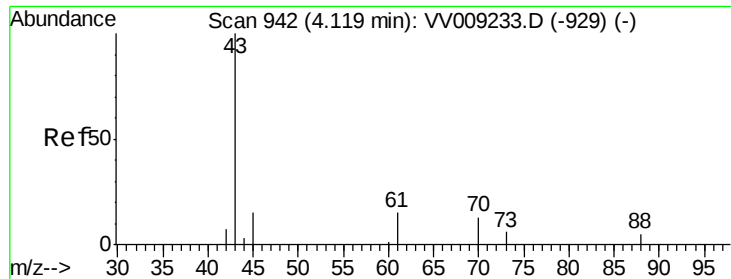
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#36
 1,1-Dichloropropene
 Concen: 2.276 ug/l
 RT: 4.87 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.4	17.5	52.5
77	28.8	25.5	38.3





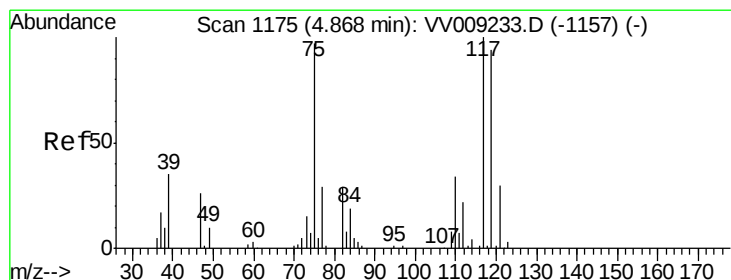
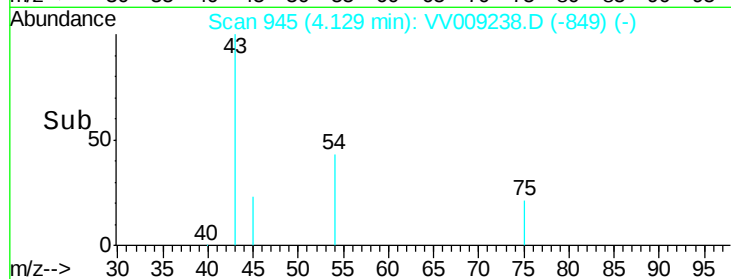
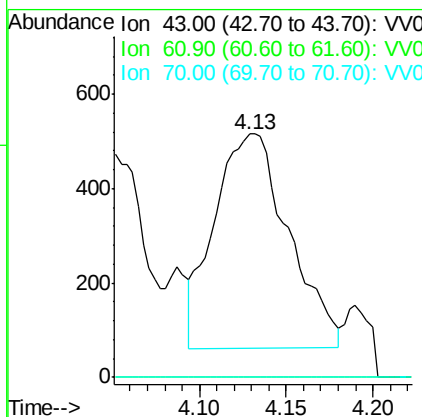
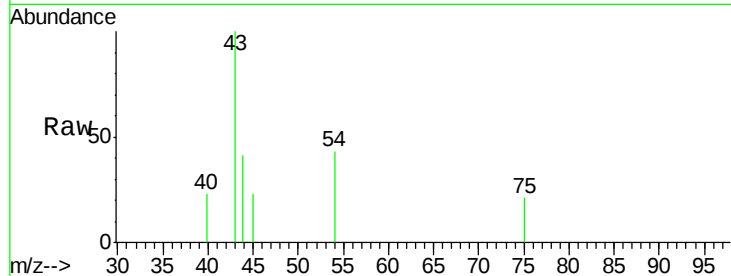
#37
Ethyl Acetate
Concen: 2.154 ug/l m
RT: 4.13 min Scan# 945
Delta R.T. 0.01 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.0	18.0#
70	0.0	8.7	13.1#

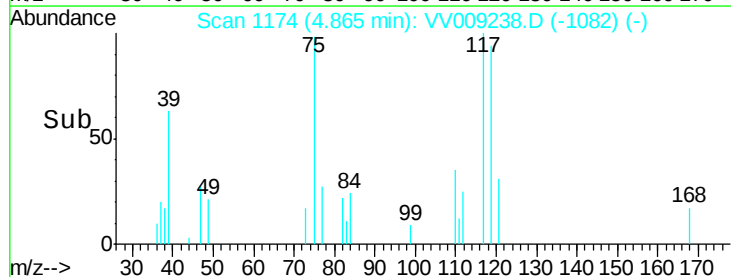
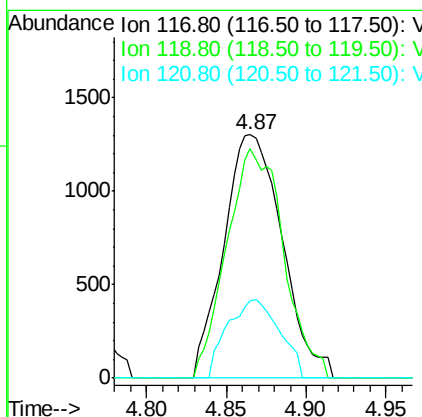
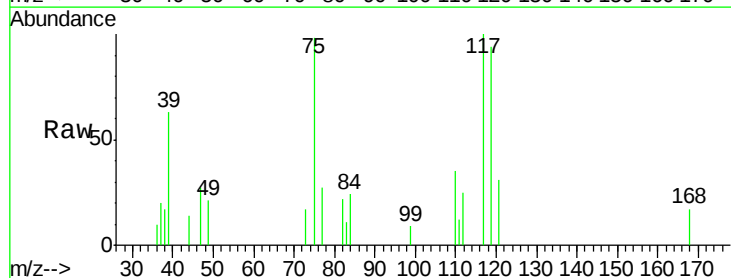
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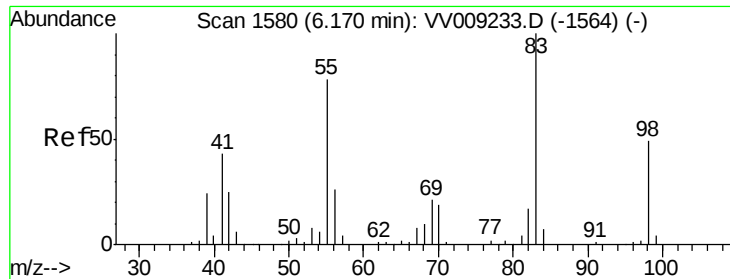
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#38
Carbon Tetrachloride
Concen: 1.997 ug/l
RT: 4.87 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.4	113.2
121	31.5	24.2	36.2





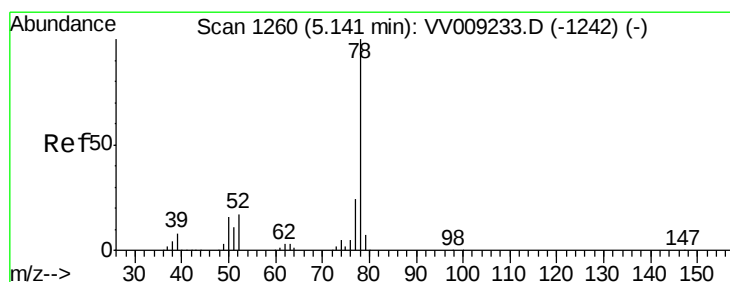
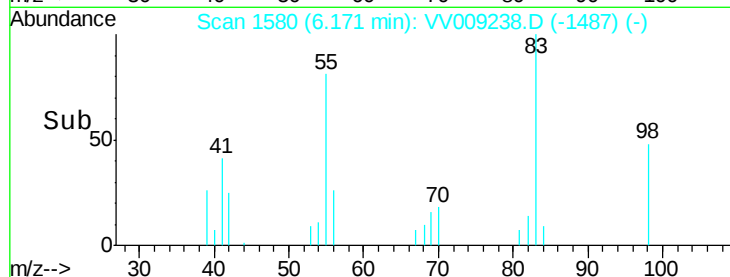
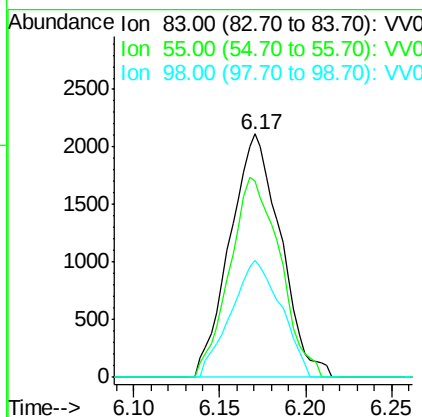
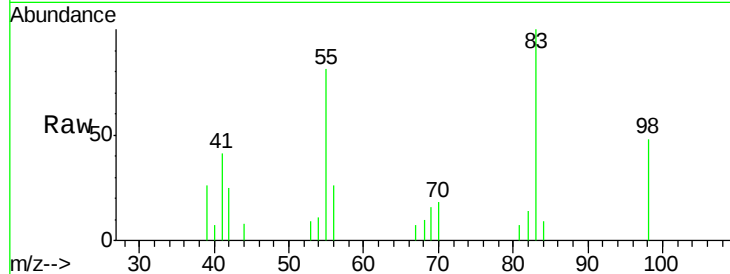
#39
Methvlcvclohexane
Concen: 2.240 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.7	62.8	94.2
98	48.1	39.1	58.7

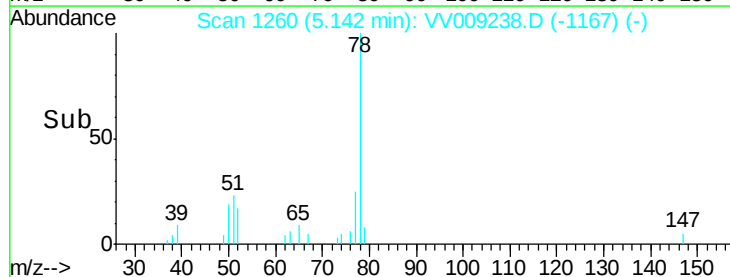
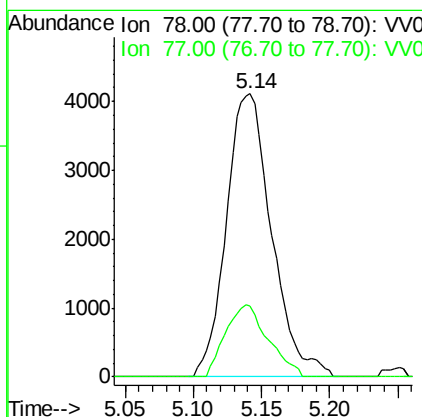
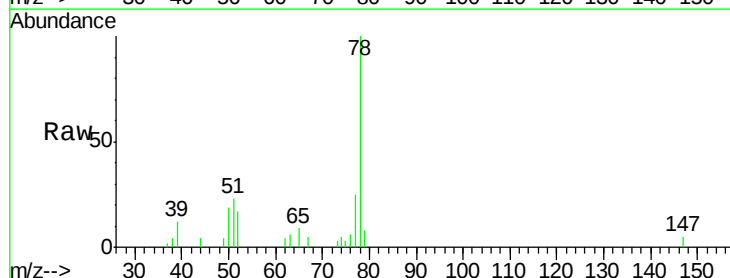
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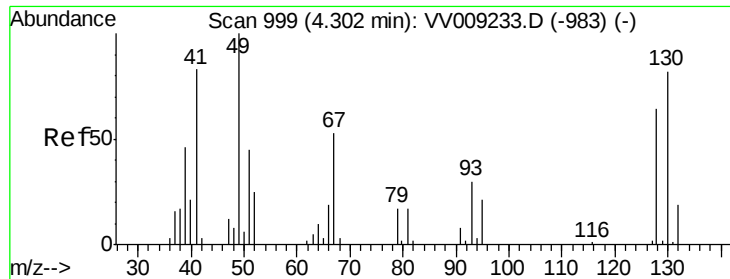
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#40
Benzene
Concen: 2.073 ug/l
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.4	29.2





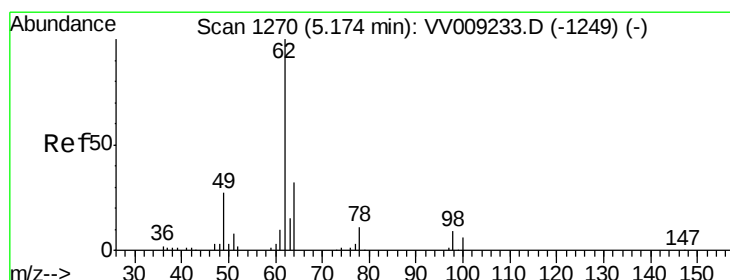
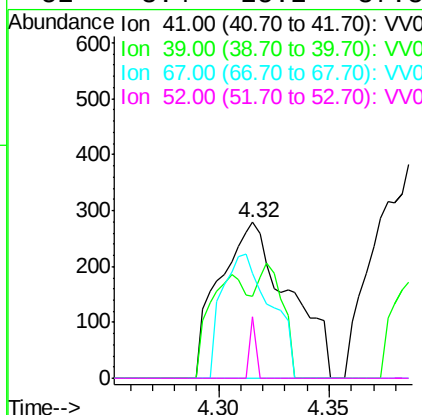
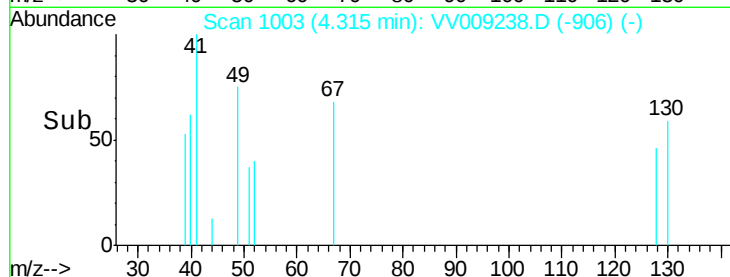
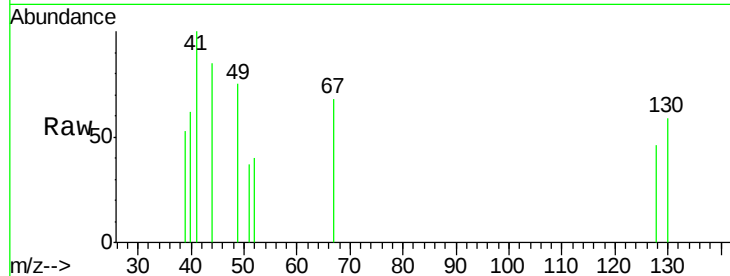
#41
Methacrylonitrile
Concen: 1.613 ug/l
RT: 4.32 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
41	100		
39	26.2	45.4	68.0#
67	55.9	55.5	83.3
52	3.4	25.2	37.8#

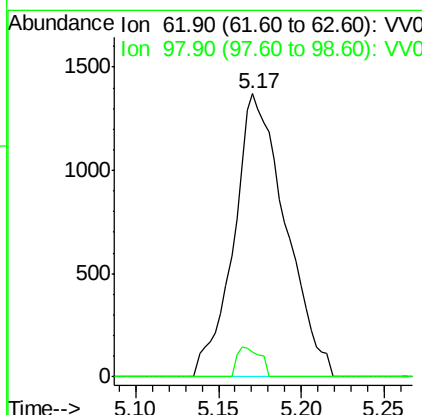
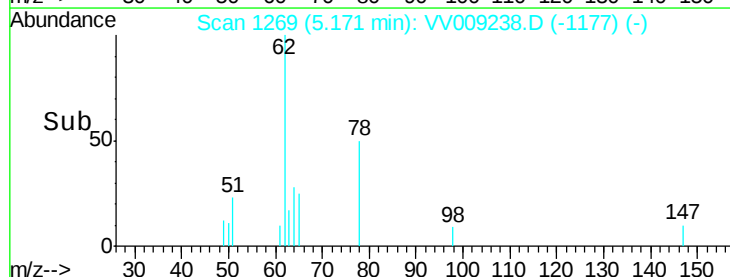
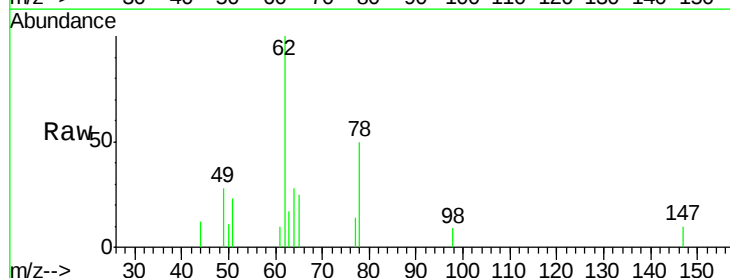
Manual Integrations
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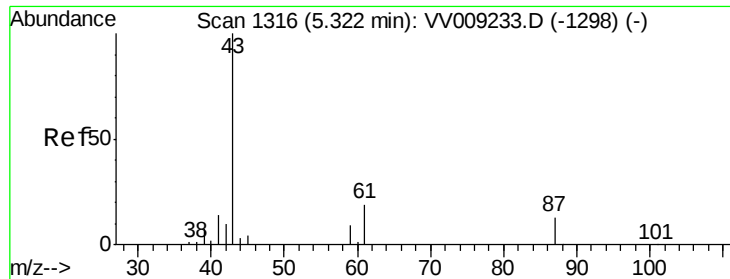
MMDadoda
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#42
1,2-Dichloroethane
Concen: 2.081 ug/l
RT: 5.17 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.7	0.0	16.4





#43

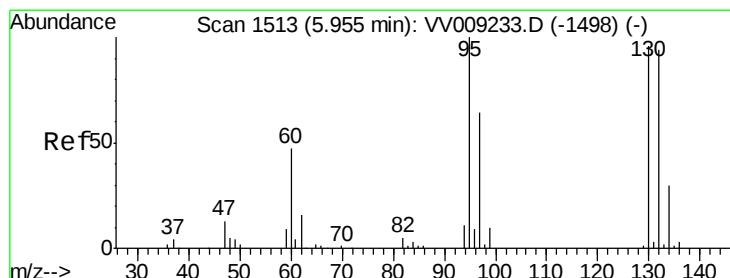
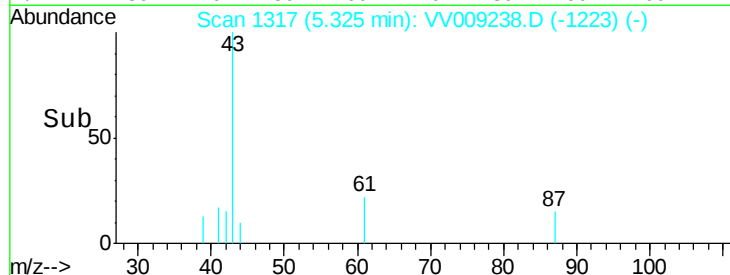
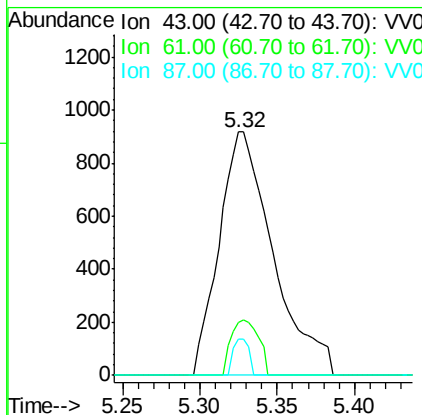
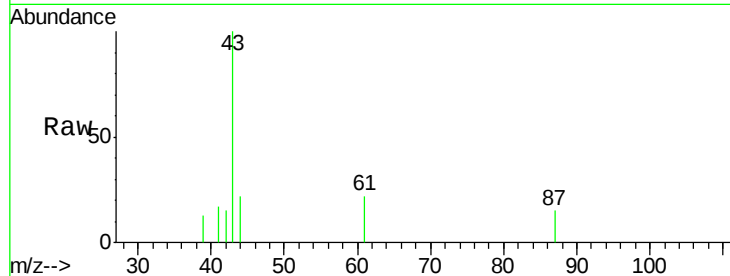
Isopropyl Acetate
 Concen: 1.802 ug/l
 RT: 5.32 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.3	15.4	23.0#
87	4.2	9.9	14.9#

Manual Integrations
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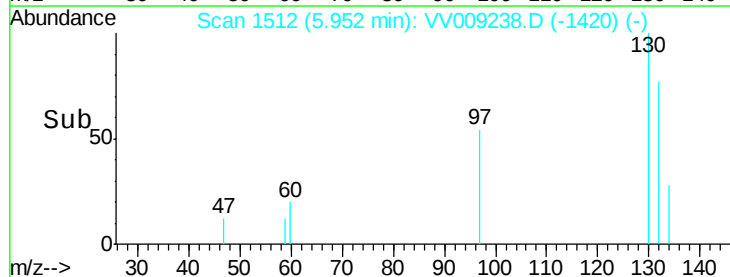
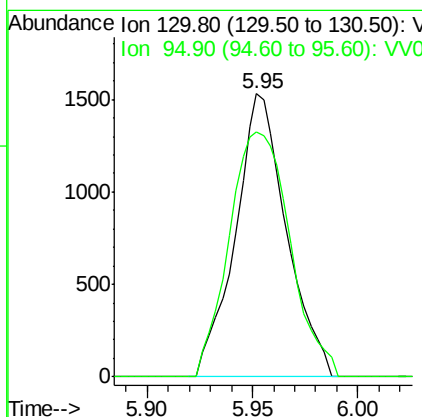
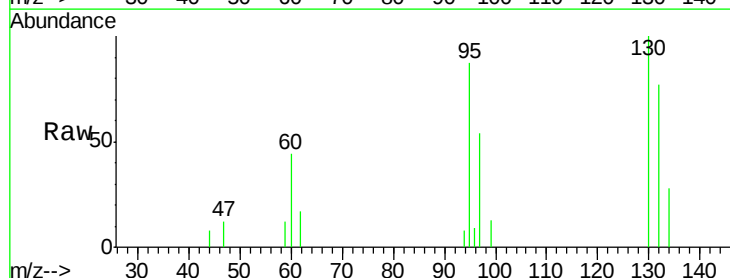
MMDadoda
 1/24/2019 11:44:28 AM

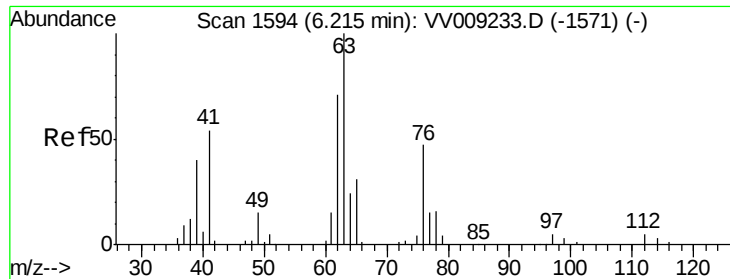


#44

Trichloroethene
 Concen: 2.141 ug/l
 RT: 5.95 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.5	0.0	208.2





#45

1,2-Dichloropropane

Concen: 1.960 ug/l

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 63 Resp: 2154

Ion Ratio Lower Upper

63 100

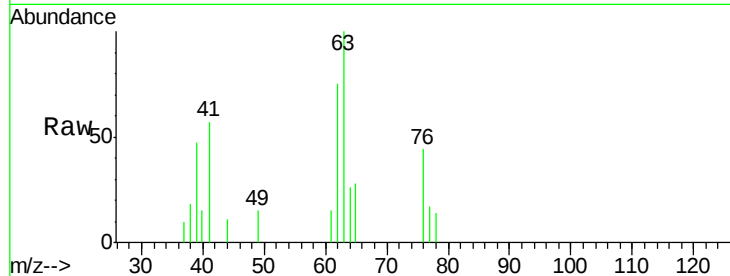
65 28.3 25.1 37.7

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Abundance Ion 62.90 (62.60 to 63.60): VV009238.D (-1501) (-)

Ion 64.90 (64.60 to 65.60): VV009238.D (-1501) (-)

6.22

1200

1000

800

600

400

200

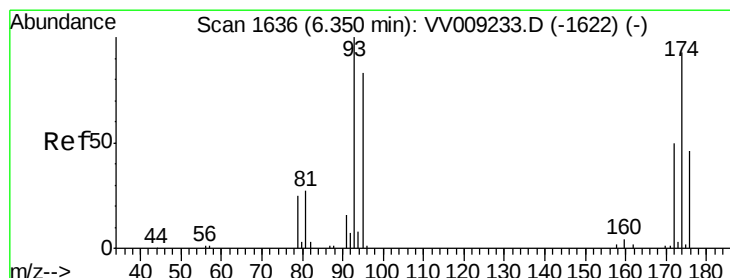
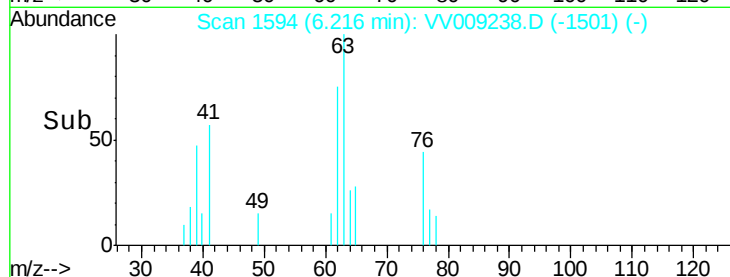
0

6.15

6.20

6.25

Time-->



#46

Dibromomethane

Concen: 2.022 ug/l

RT: 6.35 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

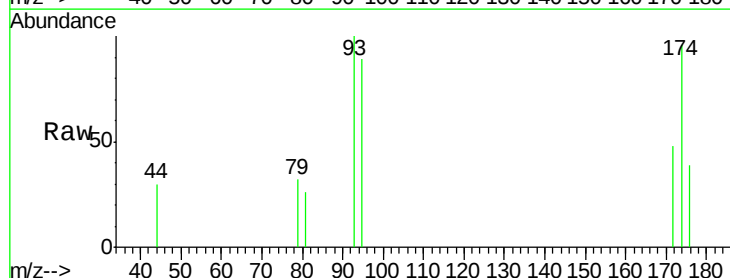
Tgt Ion: 93 Resp: 1140

Ion Ratio Lower Upper

93 100

95 78.3 64.6 97.0

174 89.0 74.0 111.0



Abundance Ion 92.80 (92.50 to 93.50): VV009238.D (-1543) (-)

Ion 94.80 (94.50 to 95.50): VV009238.D (-1543) (-)

Ion 173.70 (173.40 to 174.40): VV009238.D (-1543) (-)

6.35

800

600

400

200

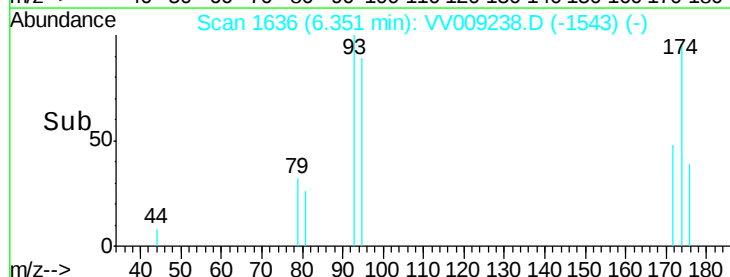
0

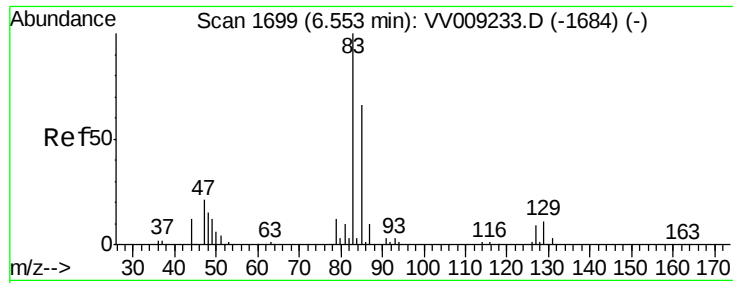
6.30

6.35

6.40

Time-->





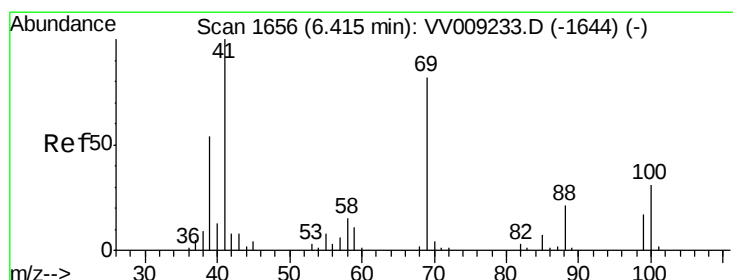
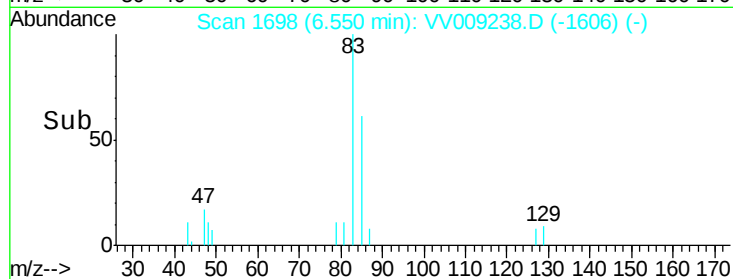
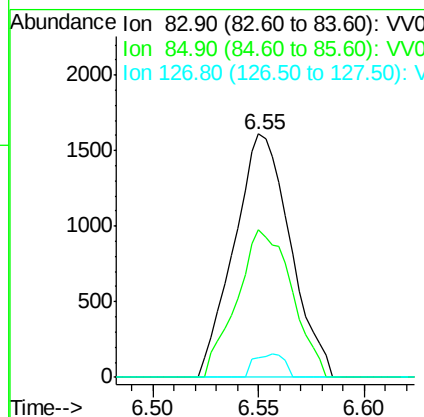
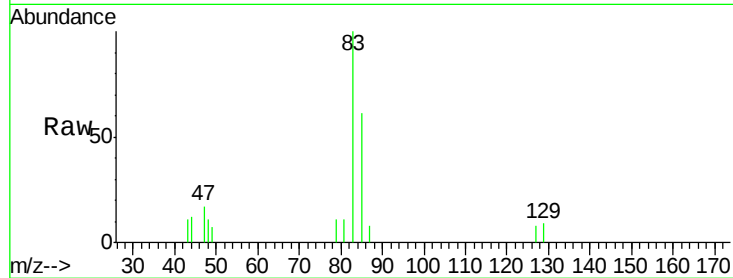
#47
Bromodichloromethane
Concen: 2.000 ug/l
RT: 6.55 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	83	Resp	2979
Ion Ratio	100	Lower	Upper
83	100		
85	60.6	52.6	78.8
127	7.9	7.0	10.6

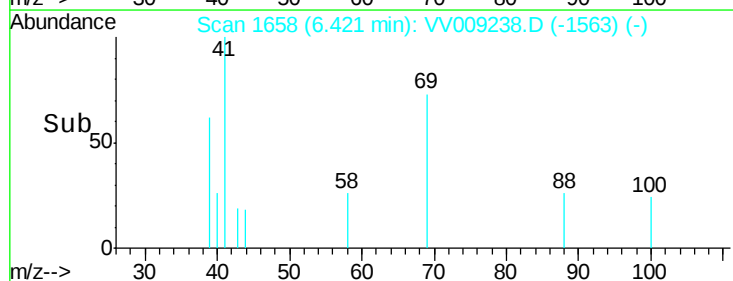
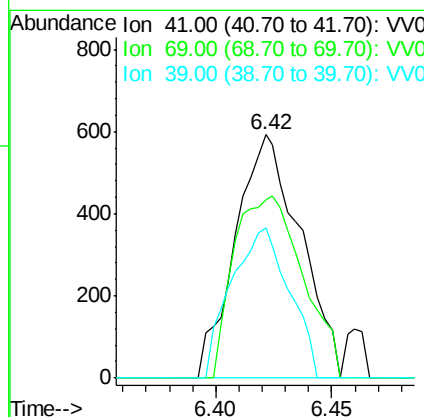
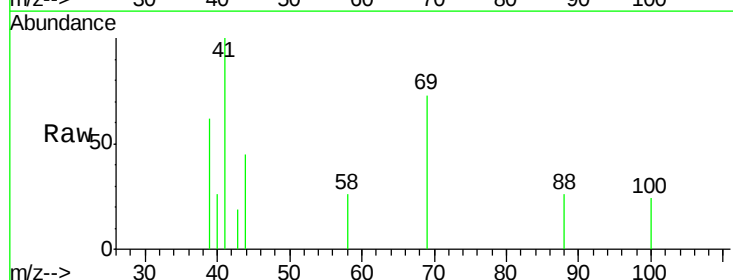
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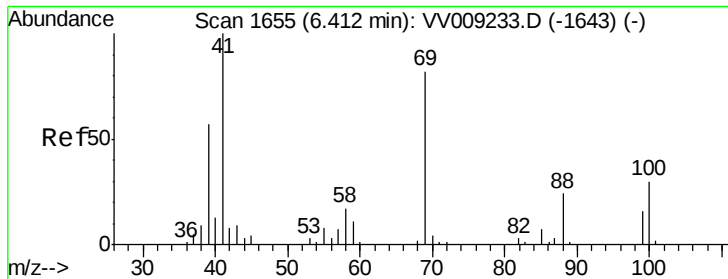
MMDadoda
1/24/2019 11:44:28 AM



#48
Methyl methacrylate
Concen: 1.822 ug/l
RT: 6.42 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion	41	Resp	1148
Ion Ratio	100	Lower	Upper
41	100		
69	79.7	65.8	98.6
39	55.7	43.4	65.0





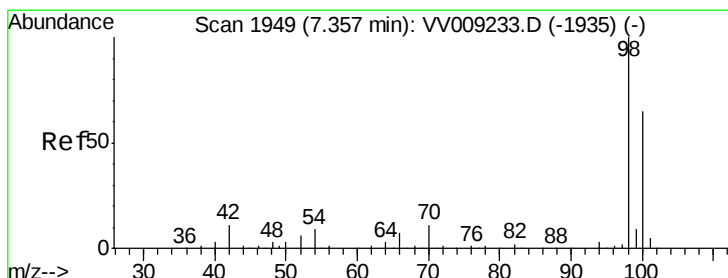
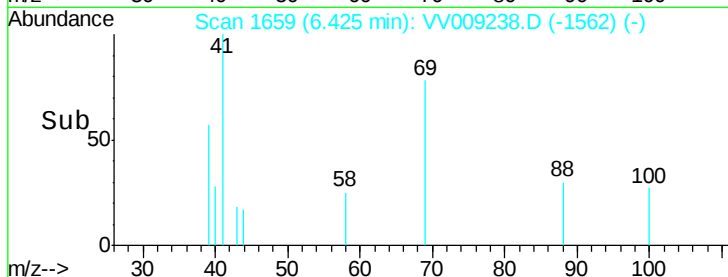
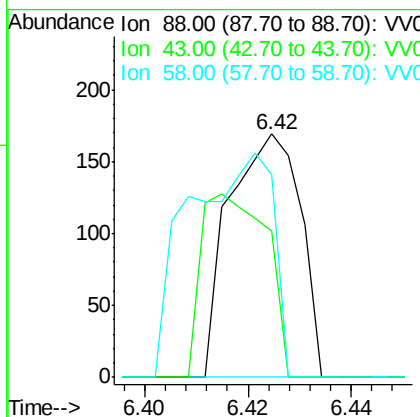
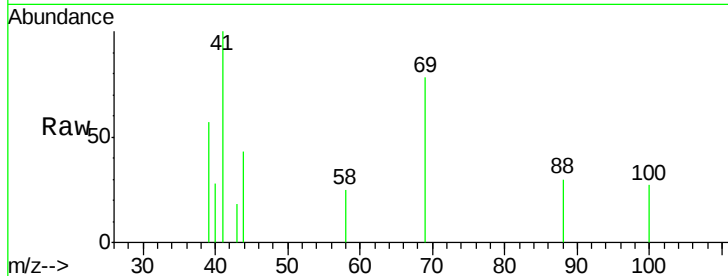
#49
1,4-Dioxane
Concen: 22.418 ug/l
RT: 6.42 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
88	100		
43	69.6	31.9	47.9#
58	109.9	62.0	93.0#

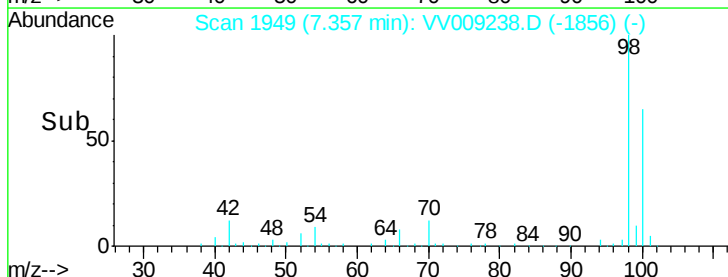
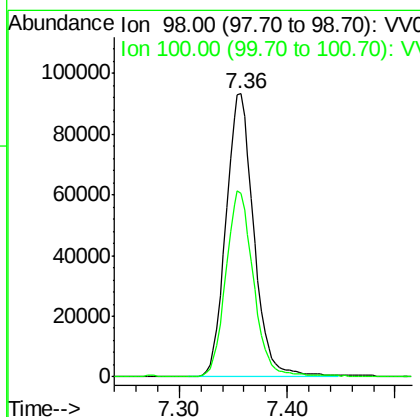
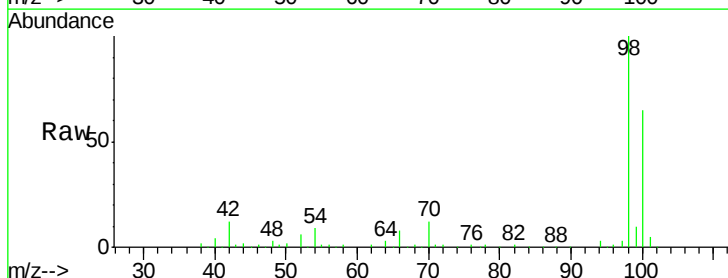
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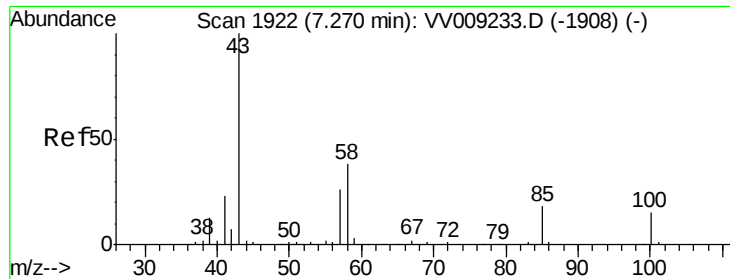
MMDadoda
1/24/2019 11:44:28 AM



#50
Toluene-d8
Concen: 45.165 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 10.186 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 43 Resp: 6382

Ion Ratio Lower Upper

43 100

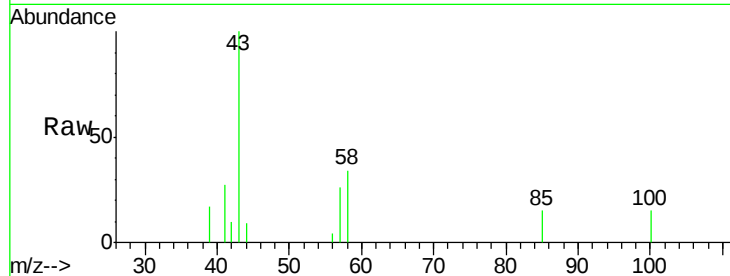
58 35.7 30.4 45.6

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Abundance Ion 43.00 (42.70 to 43.70): VV009238.D (-1908) (-)

Ion 58.00 (57.70 to 58.70): VV009238.D (-1908) (-)

7.27

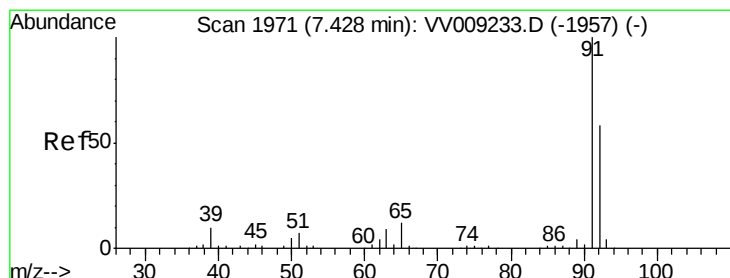
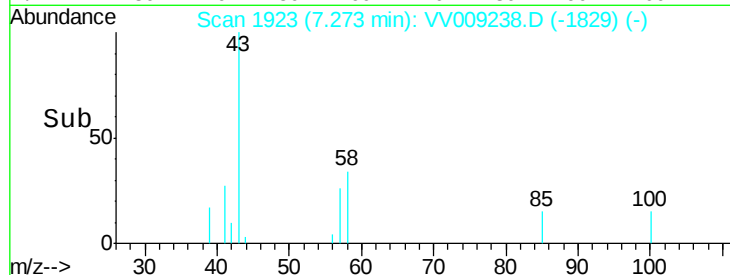
3000

2000

1000

0

Time--> 7.20 7.25 7.30 7.35



#52

Toluene

Concen: 2.153 ug/l

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009238.D

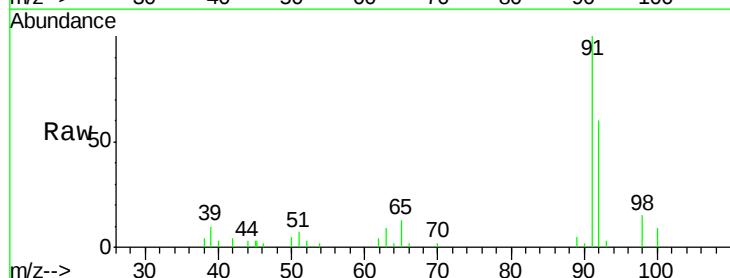
Acq: 22 Jan 2019 16:41

Tgt Ion: 92 Resp: 6222

Ion Ratio Lower Upper

92 100

91 171.7 137.2 205.8



Abundance Ion 92.00 (91.70 to 92.70): VV009238.D (-1957) (-)

Ion 91.00 (90.70 to 91.70): VV009238.D (-1957) (-)

7.43

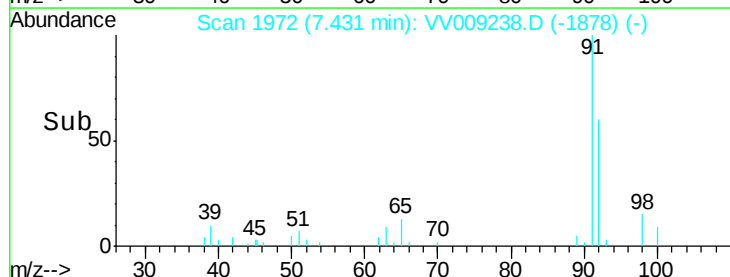
6000

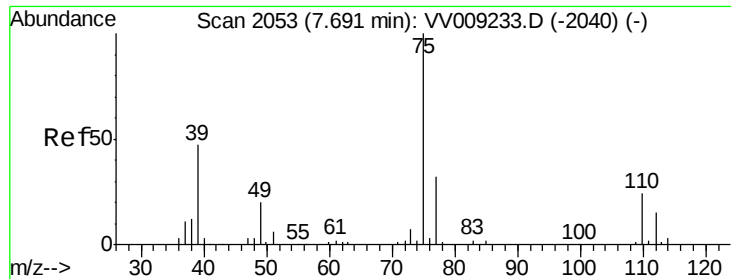
4000

2000

0

Time--> 7.35 7.40 7.45 7.50





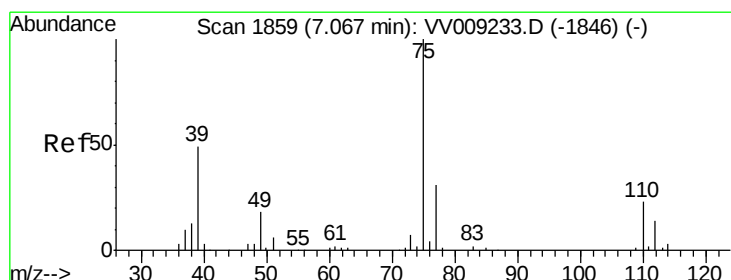
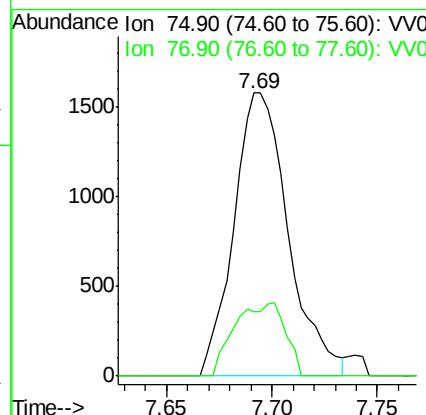
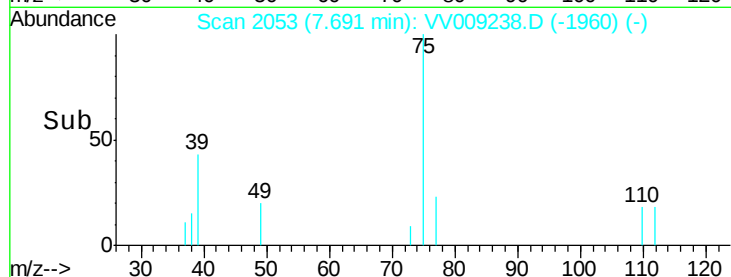
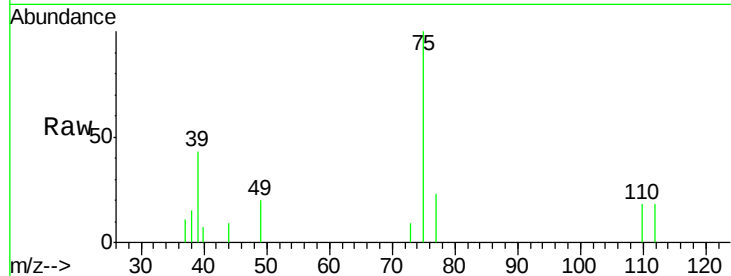
#53
t-1,3-Dichloropropene
Concen: 1.952 ug/l
RT: 7.69 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion: 75 Resp: 2831
Ion Ratio Lower Upper
75 100
77 23.0 25.8 38.8#

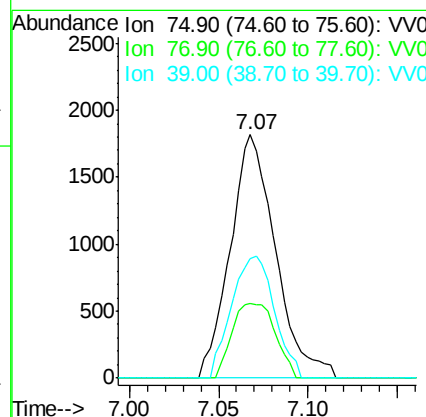
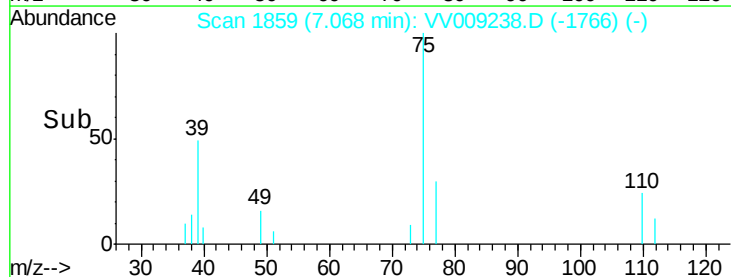
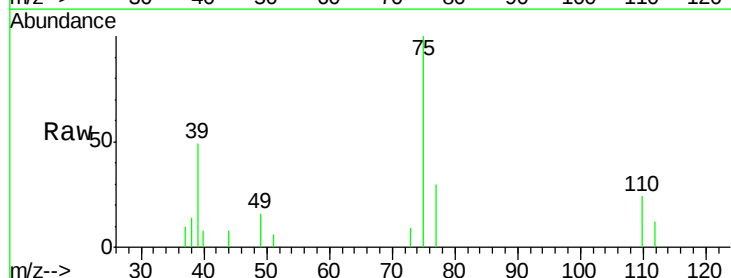
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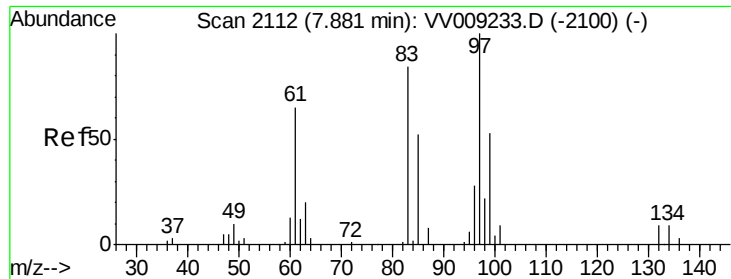
MMDadoda
1/24/2019 11:44:28 AM



#54
cis-1,3-Dichloropropene
Concen: 1.925 ug/l
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion: 75 Resp: 3214
Ion Ratio Lower Upper
75 100
77 30.4 25.1 37.7
39 49.1 38.8 58.2





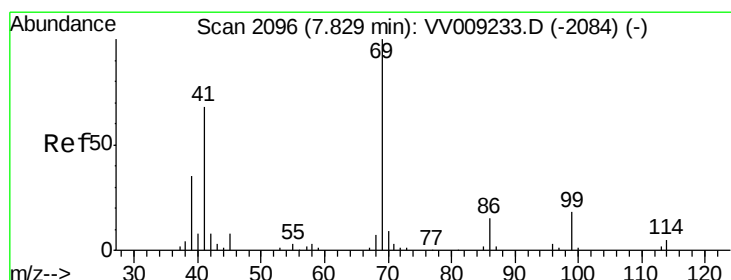
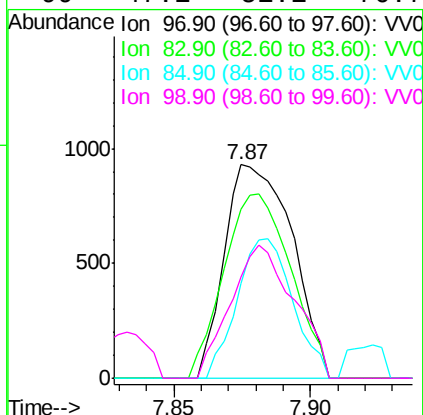
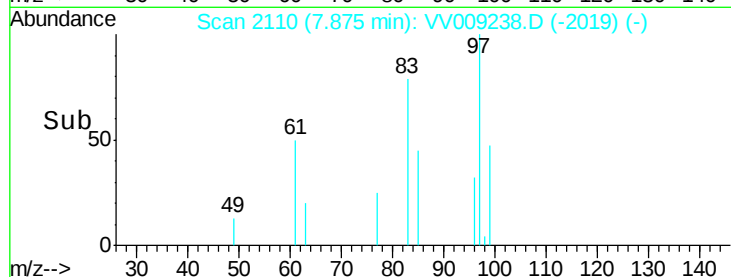
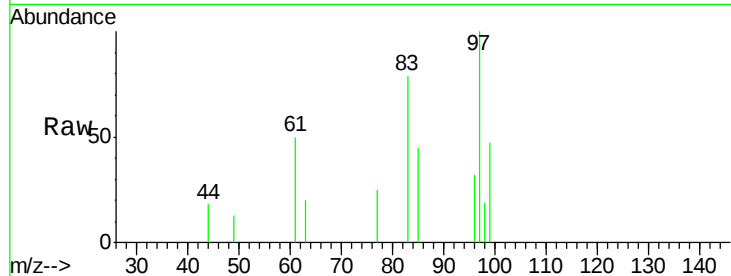
#55
 1,1,2-Trichloroethane
 Concen: 2.020 ug/l
 RT: 7.87 min Scan# 2110
 Delta R.T. -0.01 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
97	100		
83	79.0	67.4	101.0
85	44.6	42.6	64.0
99	47.1	51.1	76.7#

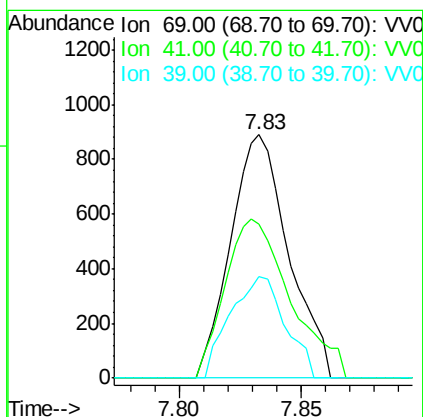
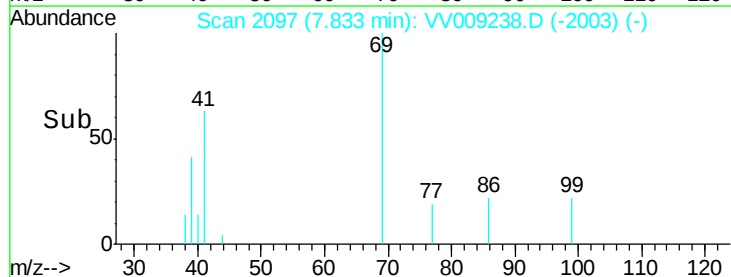
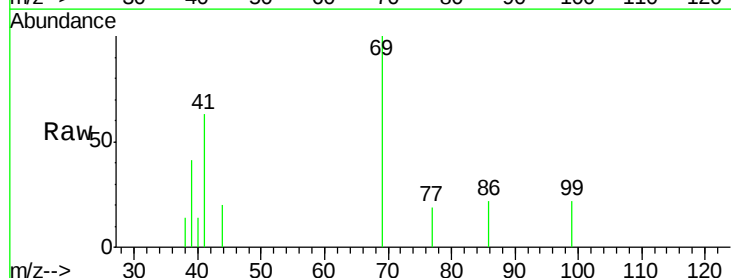
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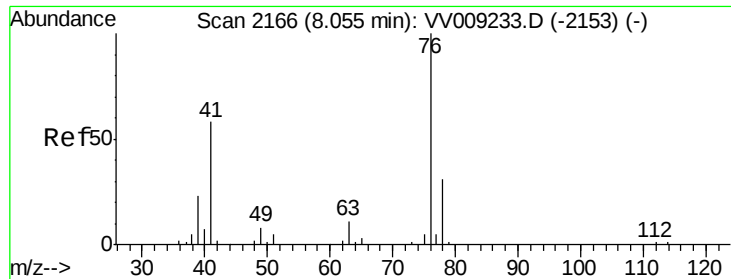
MMDadoda
 1/24/2019 11:44:28 AM



#56
 Ethyl methacrylate
 Concen: 1.584 ug/l
 RT: 7.83 min Scan# 2097
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.8	54.0	81.0
39	39.6	26.8	40.2





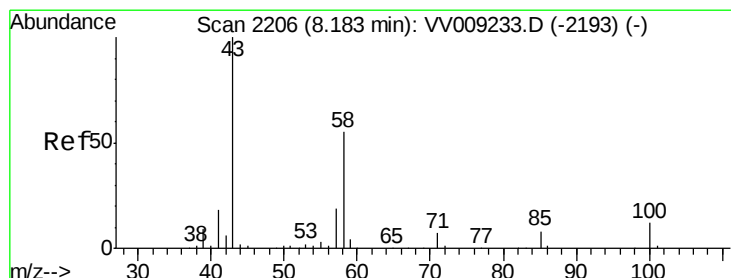
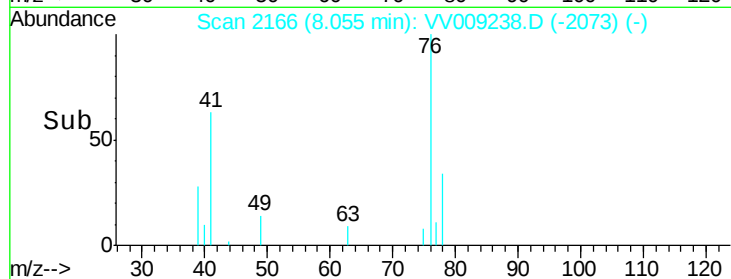
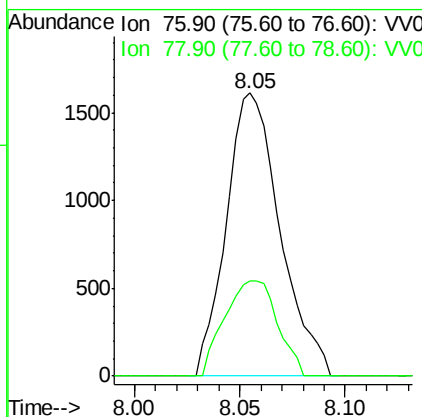
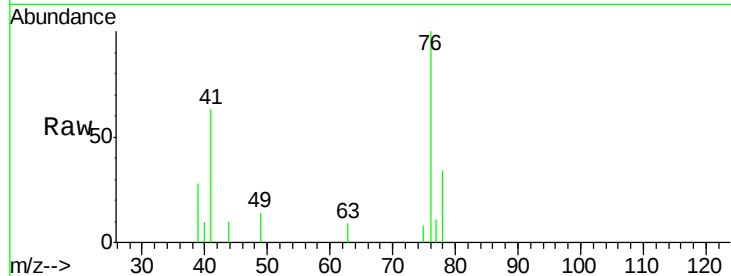
#57
 1,3-Dichloropropane
 Concen: 1.985 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.5	38.3

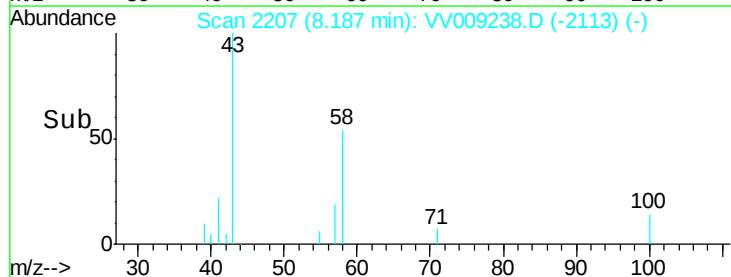
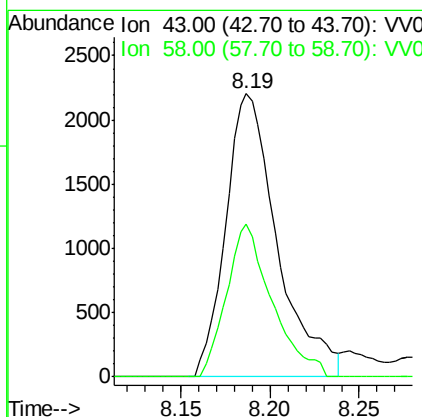
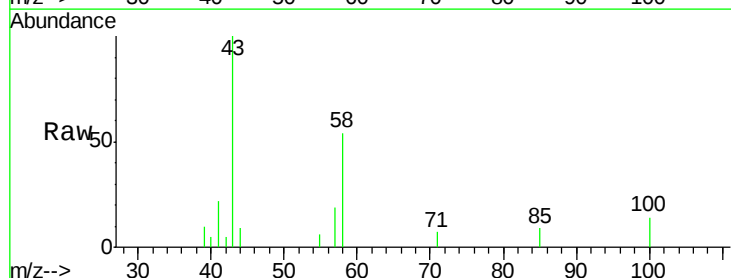
Manual Integrations
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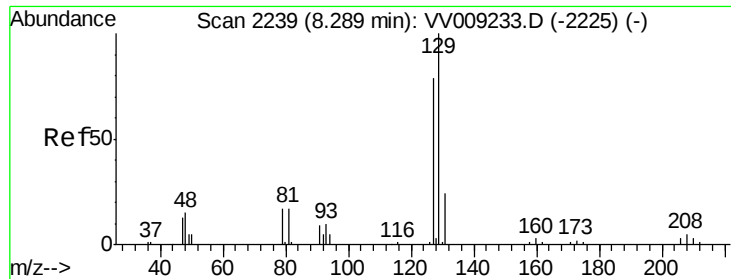
MMDadoda
 1/24/2019 11:44:28 AM



#59
 2-Hexanone
 Concen: 9.760 ug/l
 RT: 8.19 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	47.5	27.5	82.5





#60

Dibromochloromethane

Concen: 1.755 ug/l

RT: 8.29 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion:129 Resp: 1632

Ion Ratio Lower Upper

129 100

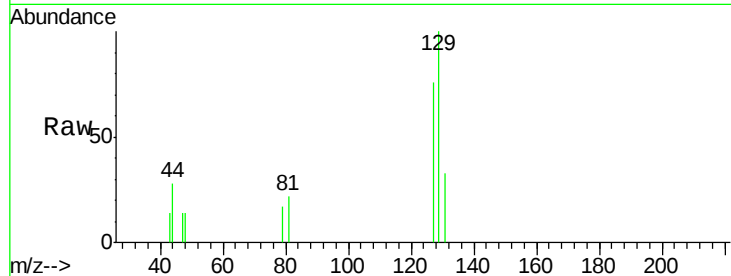
127 77.9 38.8 116.4

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.29

1000

800

600

400

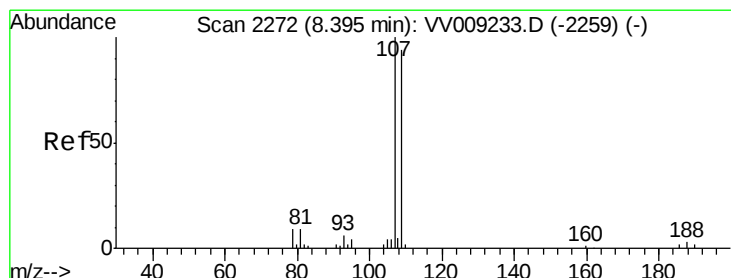
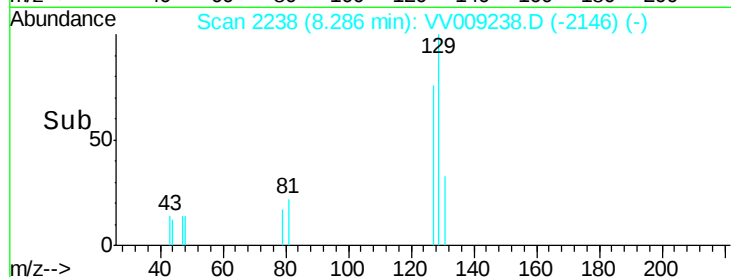
200

0

8.25

8.30

Time-->



#61

1,2-Dibromoethane

Concen: 1.890 ug/l

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV009238.D

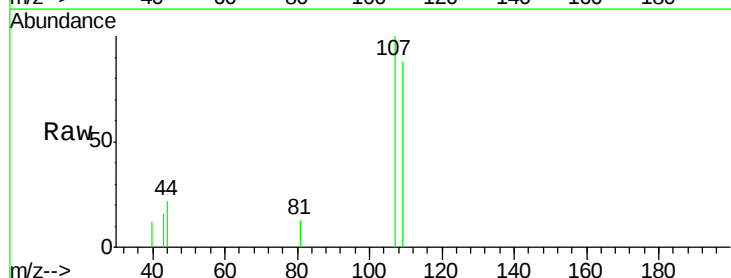
Acq: 22 Jan 2019 16:41

Tgt Ion:107 Resp: 1468

Ion Ratio Lower Upper

107 100

109 88.3 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.39

1000

800

600

400

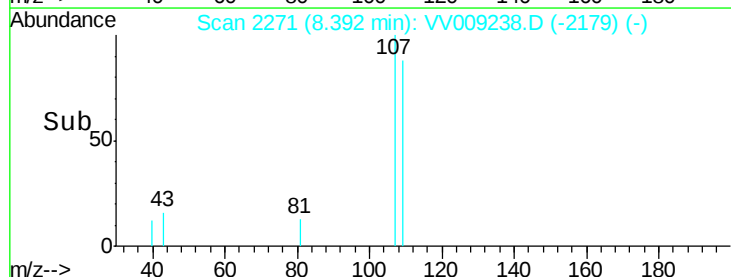
200

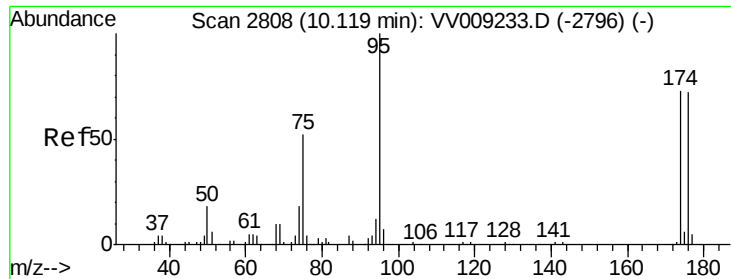
0

8.35

8.40

Time-->





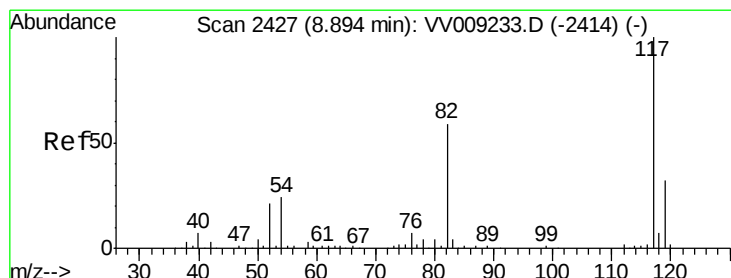
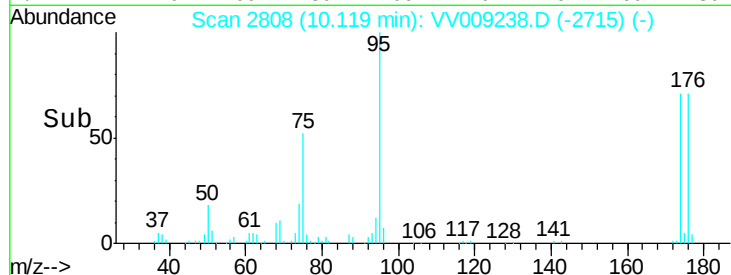
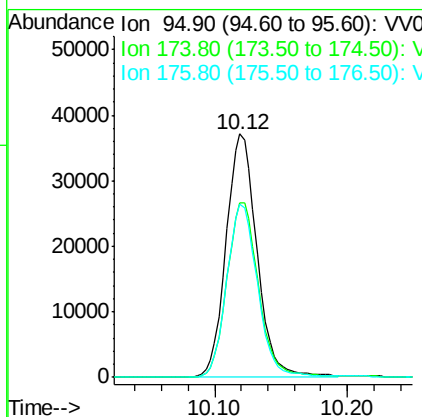
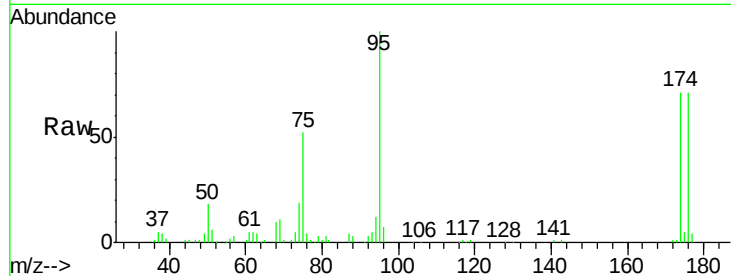
#62
4-Bromofluorobenzene
Concen: 43.000 ug/l
RT: 10.12 min Scan# 2808
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	148.2
176	71.8	0.0	143.0

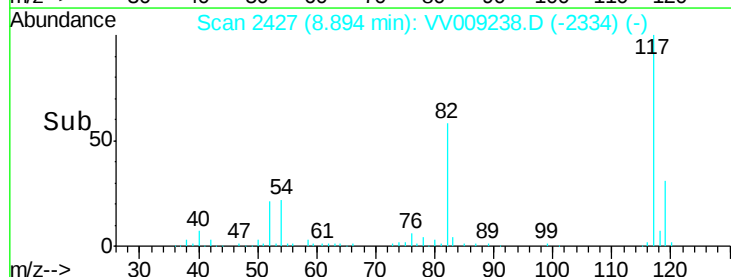
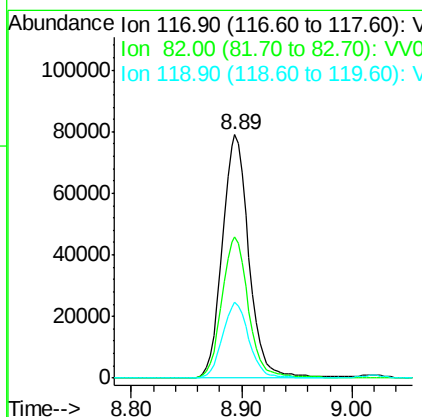
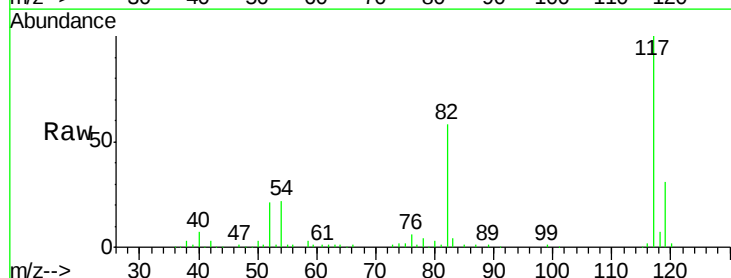
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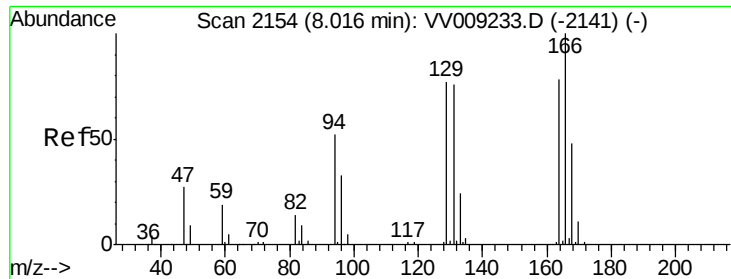
MMDadoda
1/24/2019 11:44:28 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.0	70.6
119	31.0	25.4	38.2





#64

Tetrachloroethene

Concen: 2.221 ug/l

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion:164 Resp: 2085

Ion Ratio Lower Upper

164 100

166 142.2 102.1 153.1

129 95.5 78.1 117.1

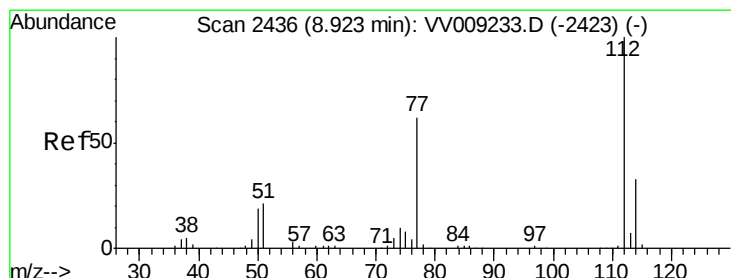
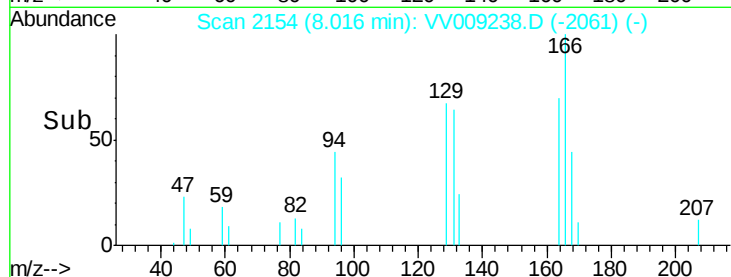
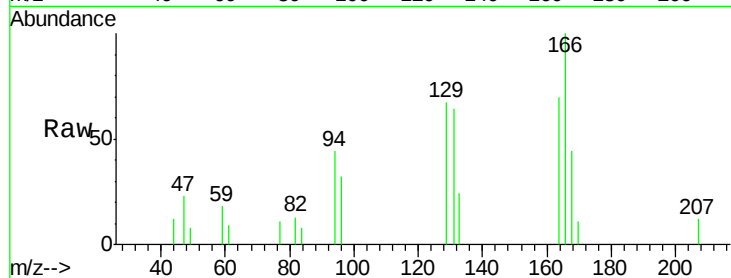
131 90.9 78.0 117.0

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#65

Chlorobenzene

Concen: 2.165 ug/l

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV009238.D

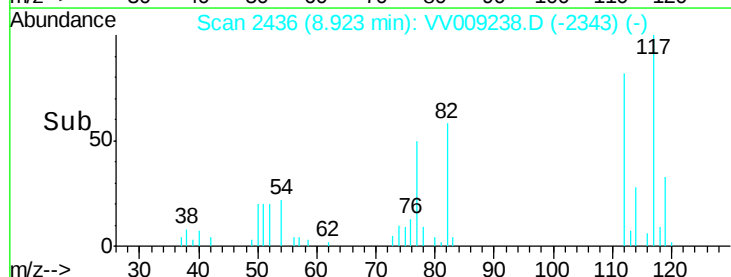
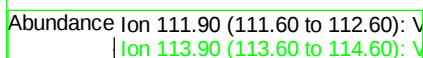
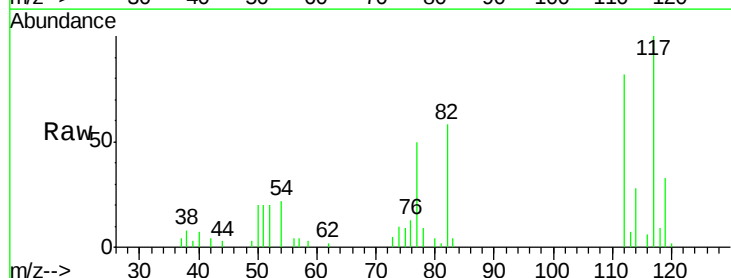
Acq: 22 Jan 2019 16:41

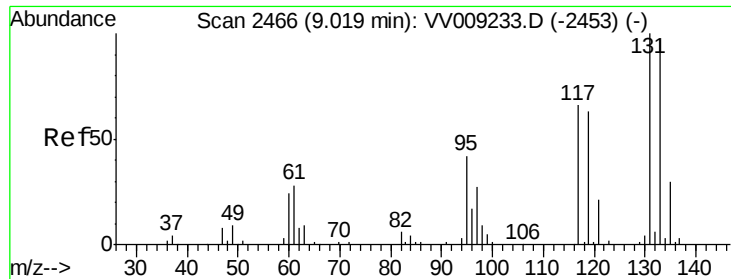
Tgt Ion:112 Resp: 6643

Ion Ratio Lower Upper

112 100

114 34.3 26.0 39.0





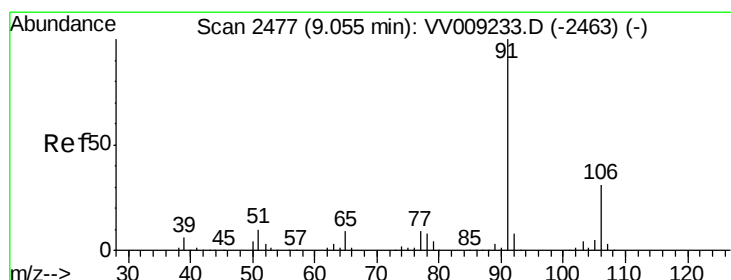
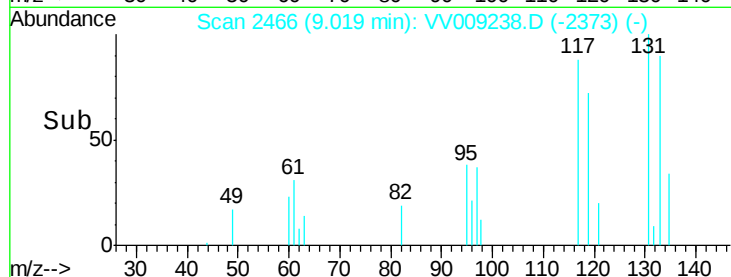
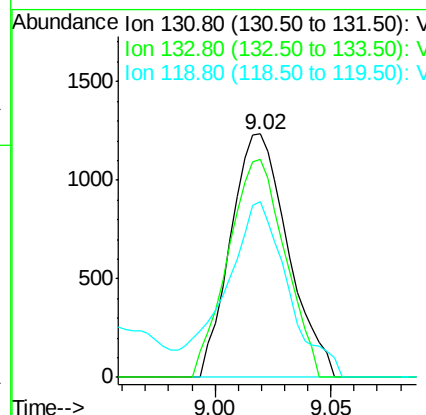
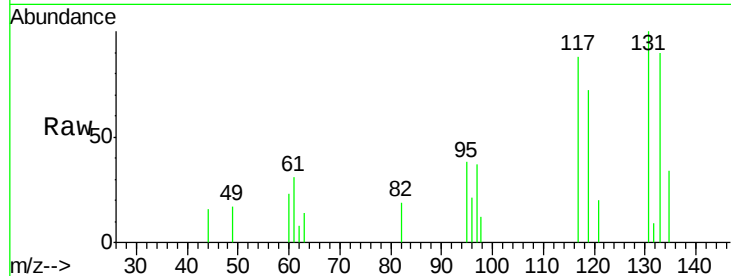
#66
 1,1,1,2-Tetrachloroethane
 Concen: 2.017 ug/l
 RT: 9.02 min Scan# 2466
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
131	100		
133	89.0	48.3	144.9
119	79.4	31.2	93.6

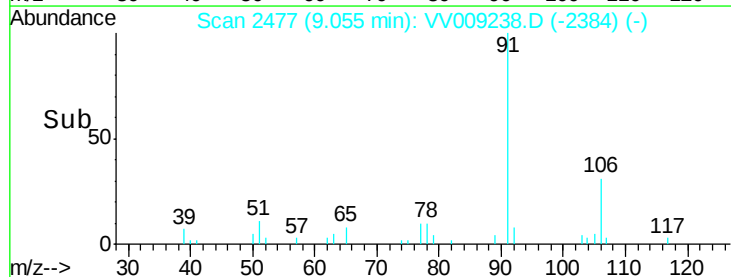
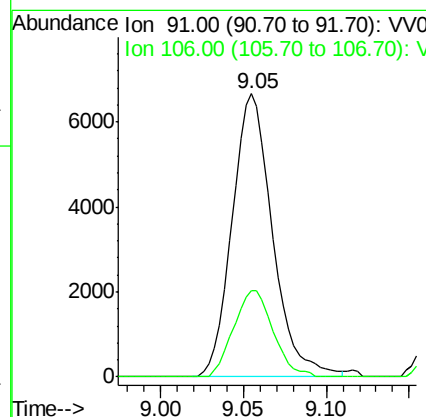
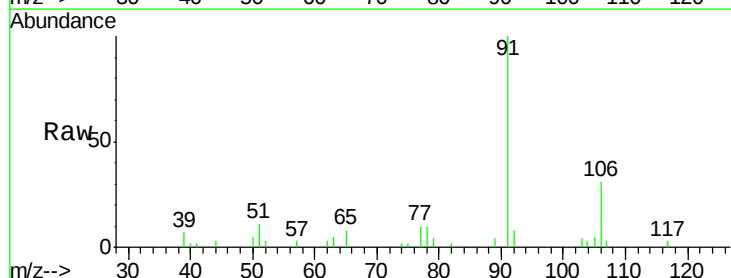
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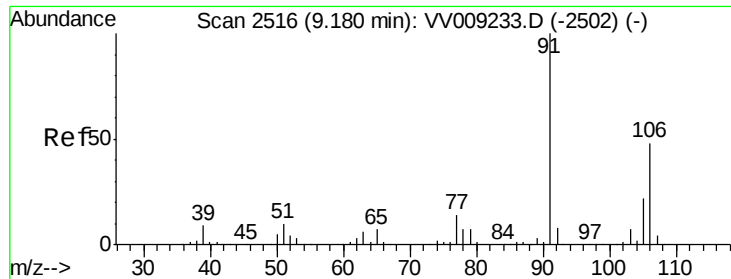
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#67
 Ethyl Benzene
 Concen: 2.066 ug/l
 RT: 9.05 min Scan# 2477
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.6	37.0





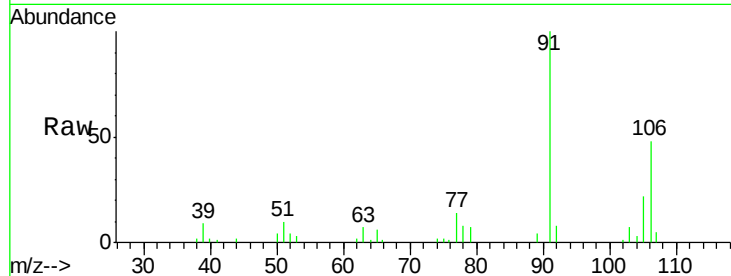
#68
m/p-Xylenes
Concen: 4.120 ug/l
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampled :
MDL01

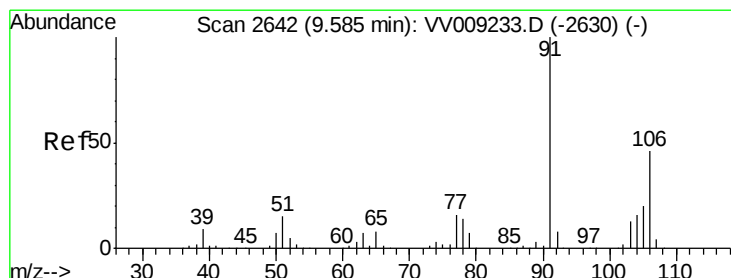
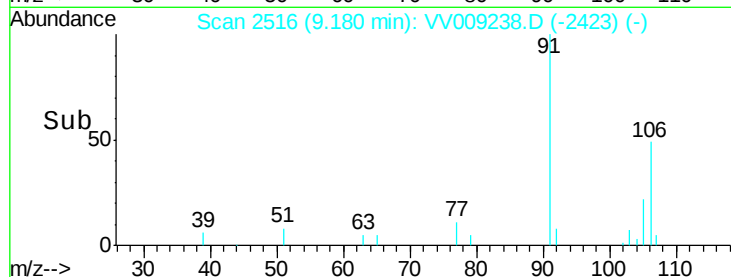
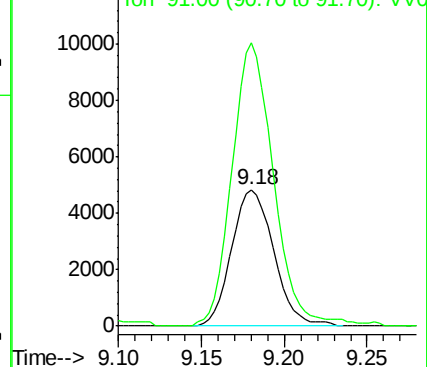
Tot Ion:106 Resp: 8552
Ion Ratio Lower Upper
106 100
91 205.3 167.1 250.7

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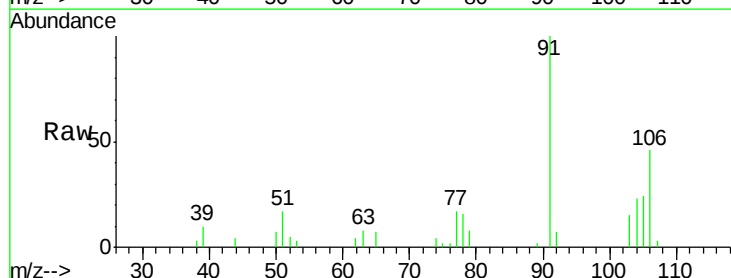


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

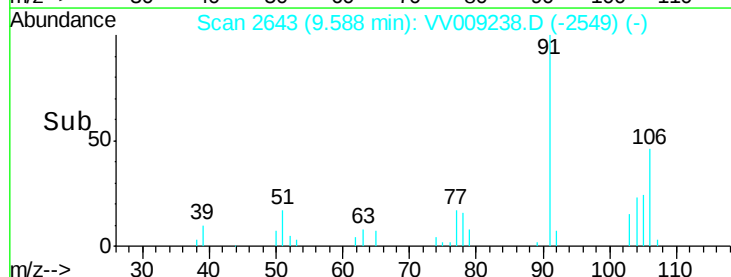
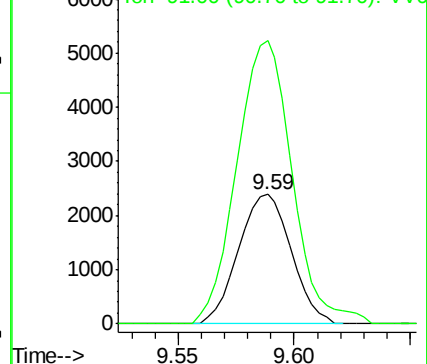


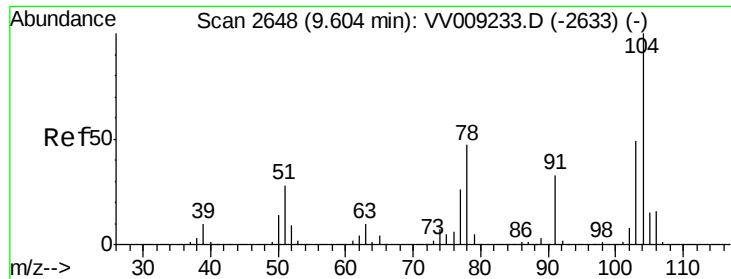
#69
o-Xylene
Concen: 1.962 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion:106 Resp: 3775
Ion Ratio Lower Upper
106 100
91 229.9 109.3 327.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0





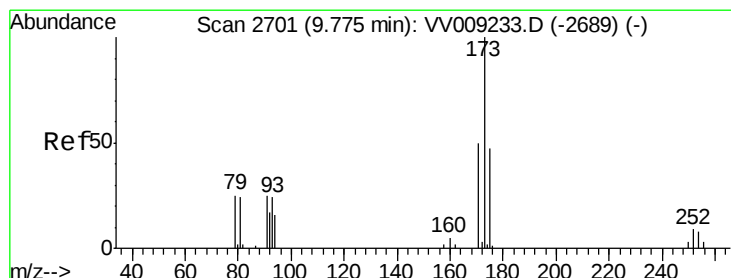
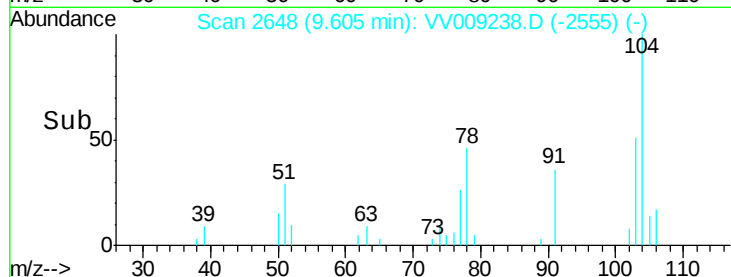
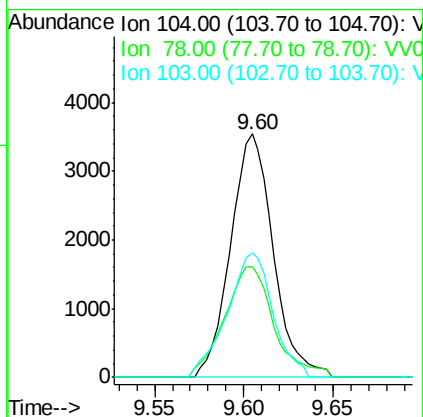
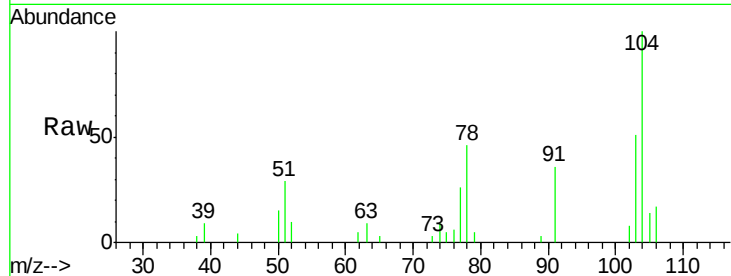
#70
Stvrene
Concen: 1.930 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.8	43.1	64.7
103	54.7	43.8	65.8

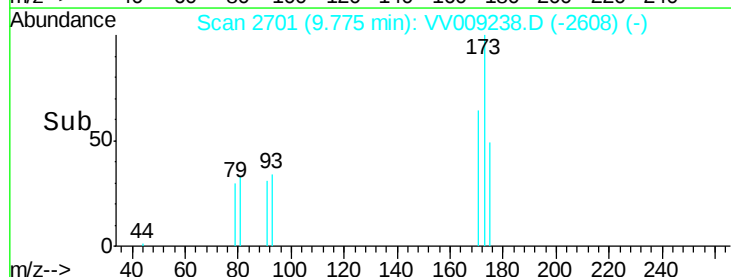
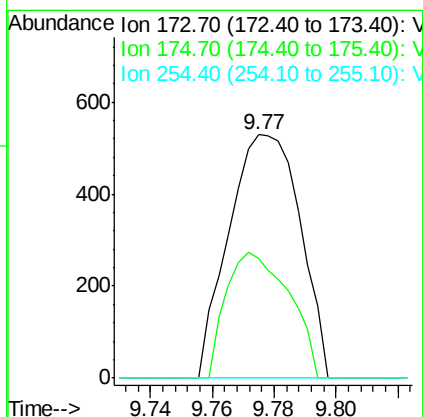
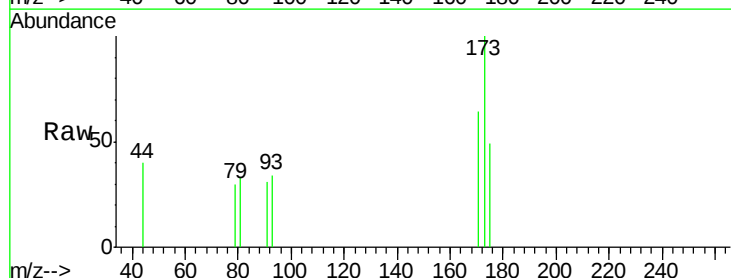
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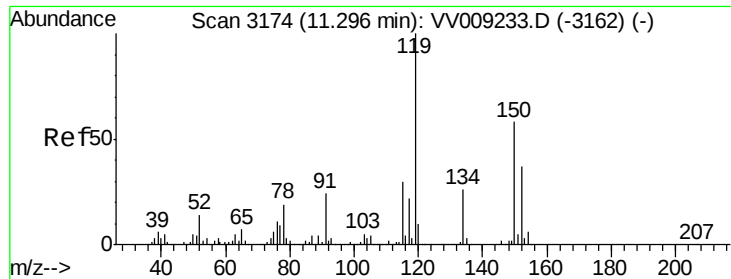
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#71
Bromoform
Concen: 1.717 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
173	100		
175	45.8	23.4	70.0
254	0.0	0.0	0.0





#72

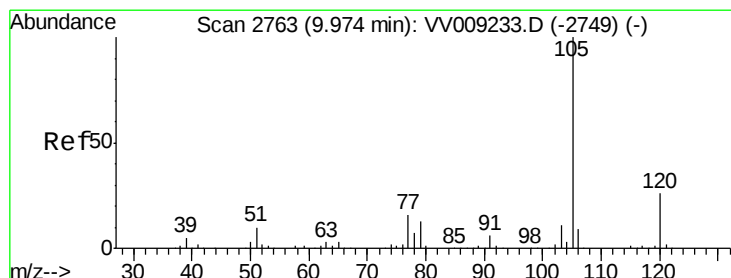
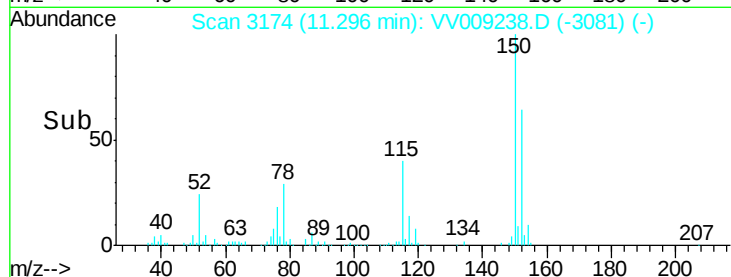
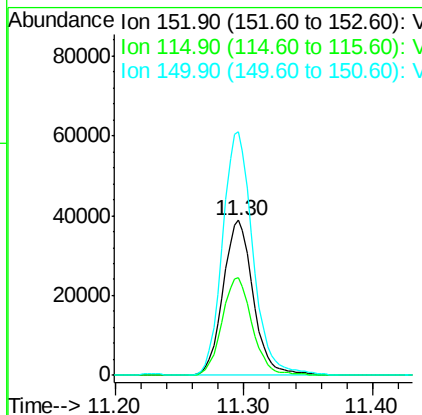
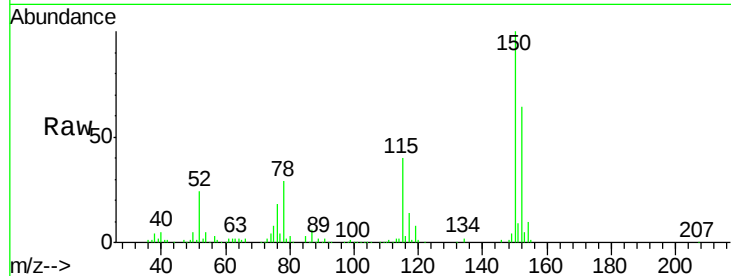
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.30 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
152	100		
115	63.2	45.0	134.8
150	158.5	0.0	346.4

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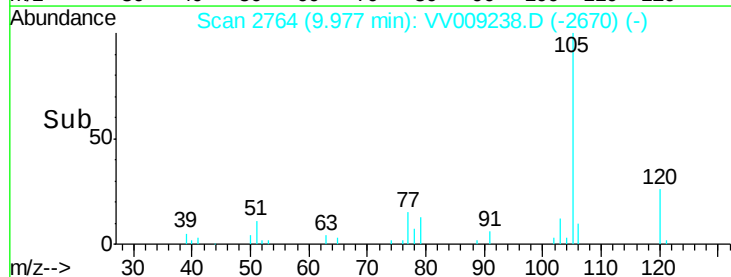
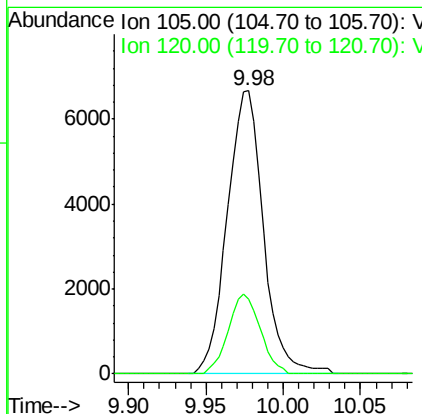
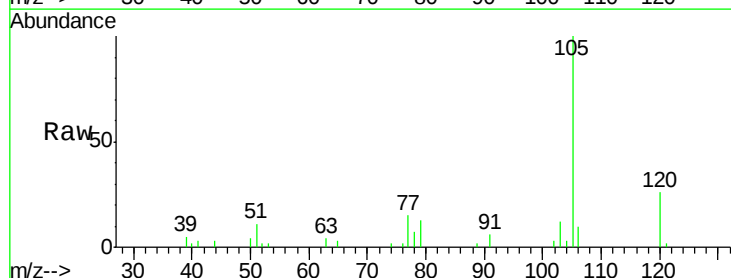
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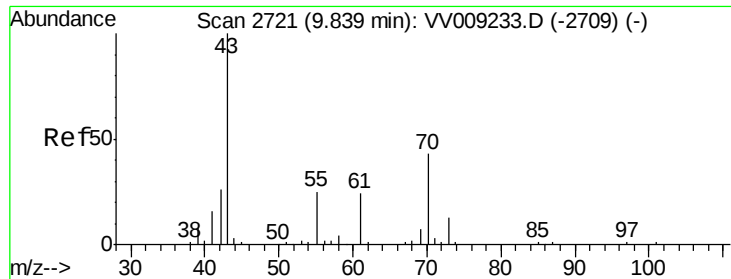


#73

Isopropylbenzene
Concen: 2.074 ug/l
RT: 9.98 min Scan# 2764
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.9	38.7





#74

N-amvl acetate

Concen: 1.848 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Instrument :

MSVOA_V

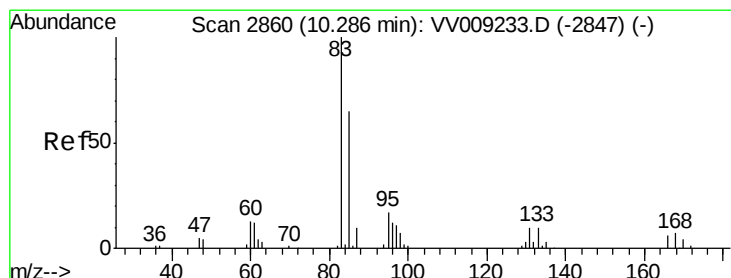
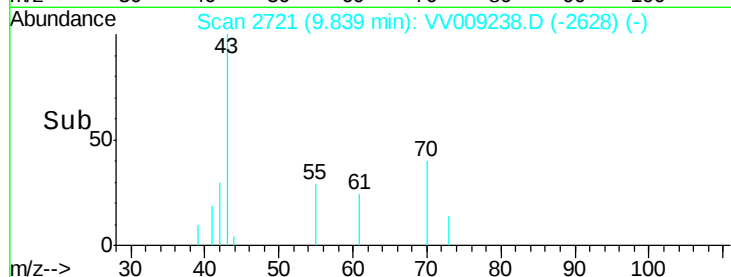
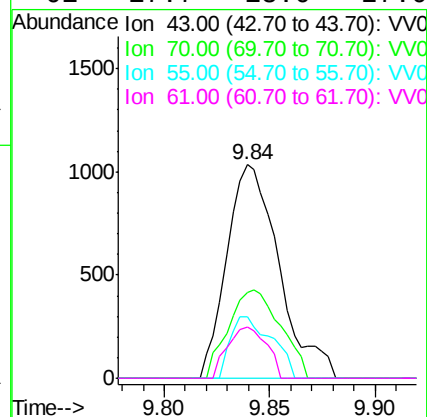
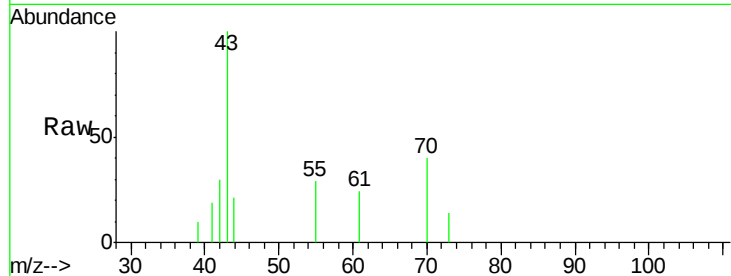
ClientSampleId :

MDL01

Tot Ion:	43	Resp:	1779
Ion	Ratio	Lower	Upper
43	100		
70	41.1	33.0	49.6
55	22.9	18.7	28.1
61	17.7	18.0	27.0#

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.911 ug/l

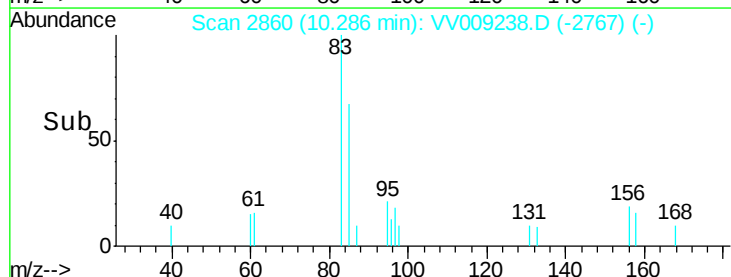
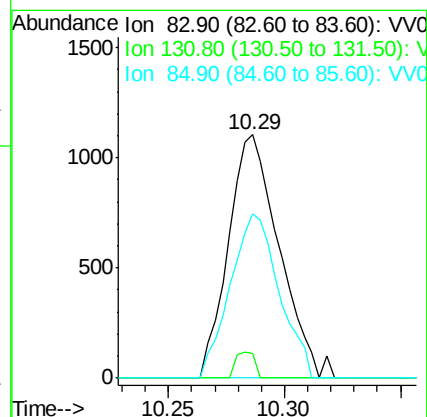
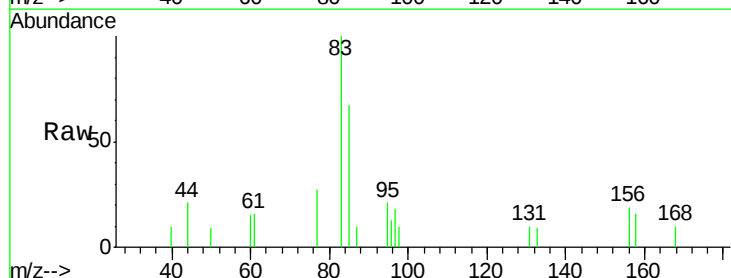
RT: 10.29 min Scan# 2860

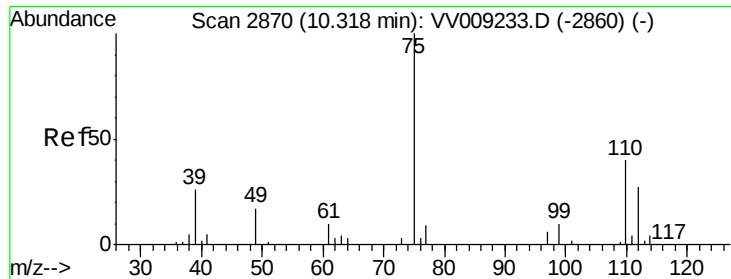
Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Tgt Ion:	83	Resp:	1677
Ion	Ratio	Lower	Upper
83	100		
131	3.9	5.1	15.3#
85	64.9	32.6	98.0





#76

1,2,3-Trichloropropane

Concen: 2.070 ug/l

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Instrument :

MSVOA_V

ClientSampleID :

MDL01

Tot Ion: 75 Resp: 1429

Ion Ratio Lower Upper

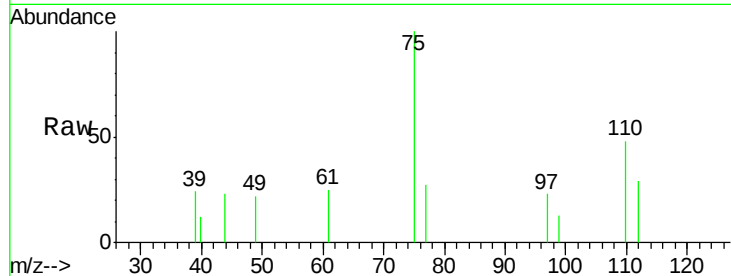
75 100

77 14.2 24.6 73.8#

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Abundance Ion 74.90 (74.60 to 75.60): VV009233.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV009233.D (-2860) (-)

2500

2000

1500

1000

500

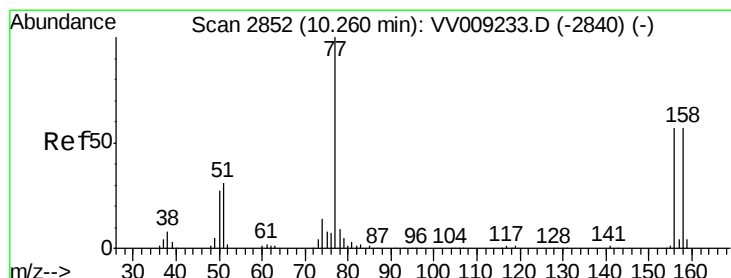
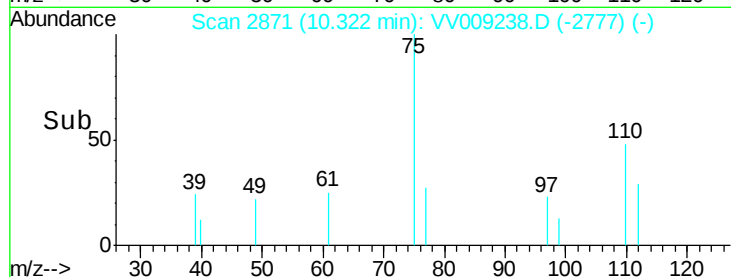
0

10.30

10.32

10.35

Time-->



#77

Bromobenzene

Concen: 2.341 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

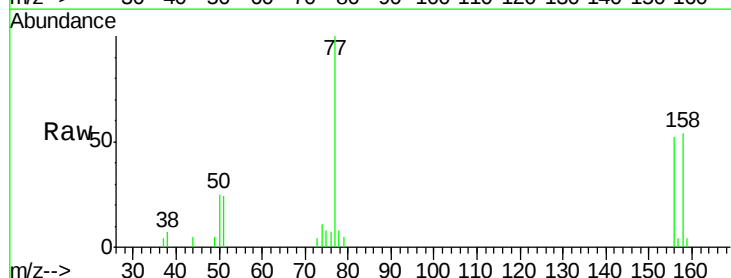
Tgt Ion: 156 Resp: 2607

Ion Ratio Lower Upper

156 100

77 190.3 86.0 258.0

158 96.3 49.8 149.3



Abundance Ion 155.80 (155.50 to 156.50): VV009233.D (-2840) (-)

Ion 77.00 (76.70 to 77.70): VV009233.D (-2840) (-)

Ion 157.80 (157.50 to 158.50): VV009233.D (-2840) (-)

4000

3000

2000

1000

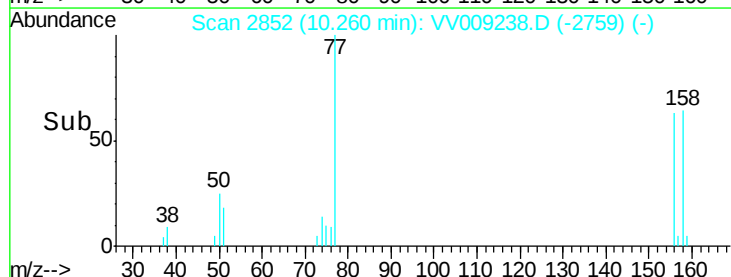
0

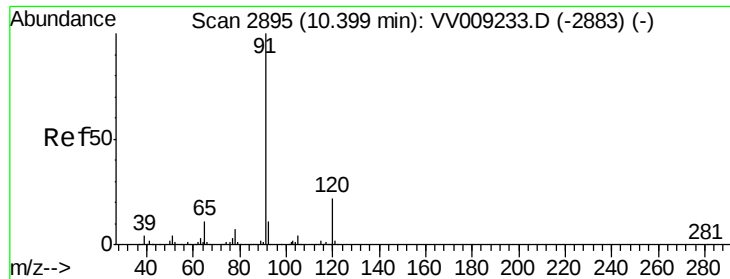
10.20

10.25

10.30

Time-->





#78

n-propylbenzene

Concen: 2.283 ug/l

RT: 10.40 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 91 Resp: 14090

Ion Ratio Lower Upper

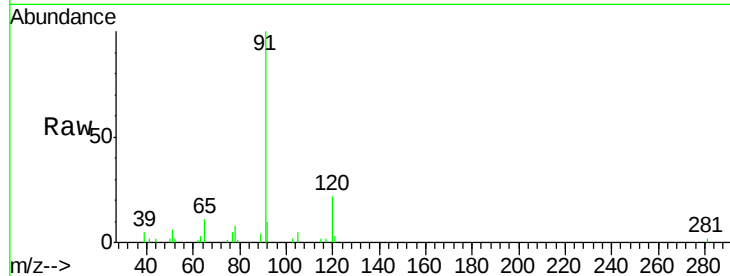
91 100

120 23.1 11.5 34.4

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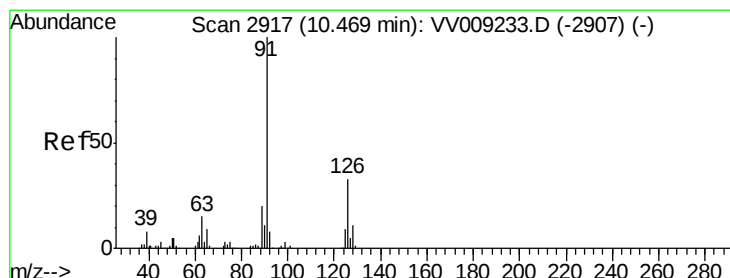
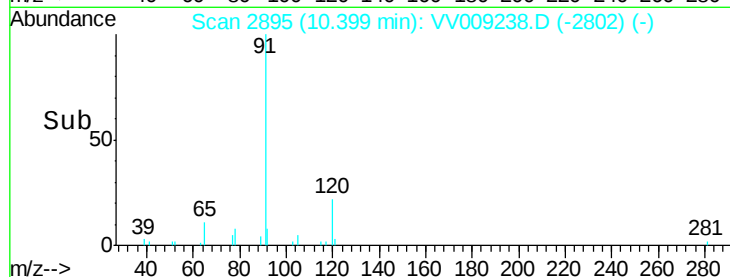
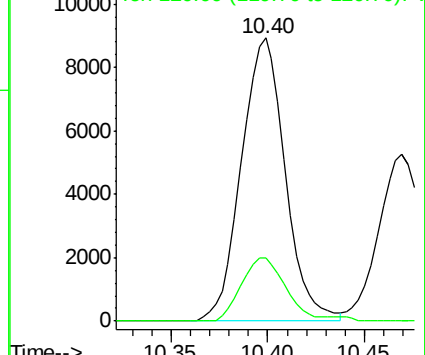
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 2.339 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VV009238.D

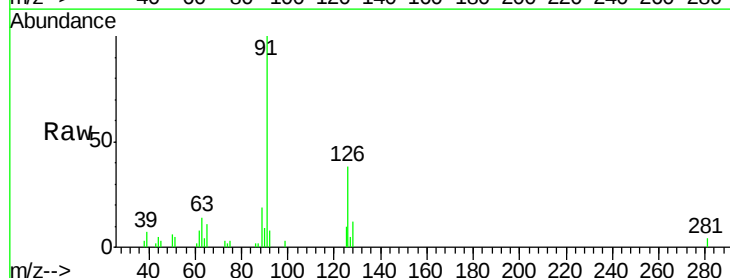
Acq: 22 Jan 2019 16:41

Tgt Ion: 91 Resp: 8708

Ion Ratio Lower Upper

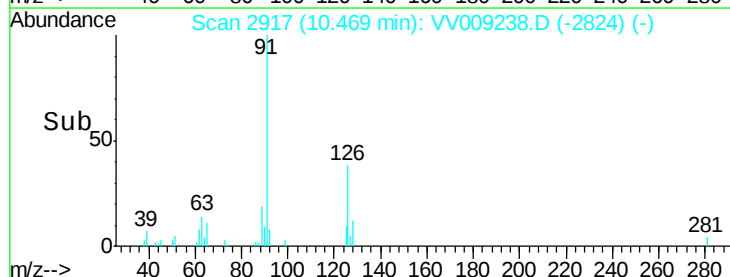
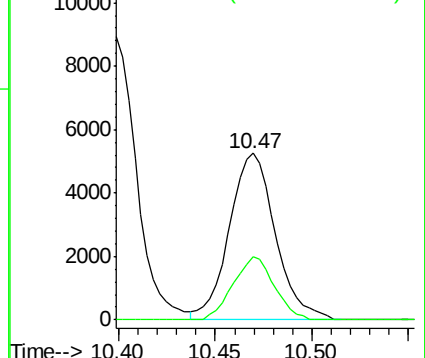
91 100

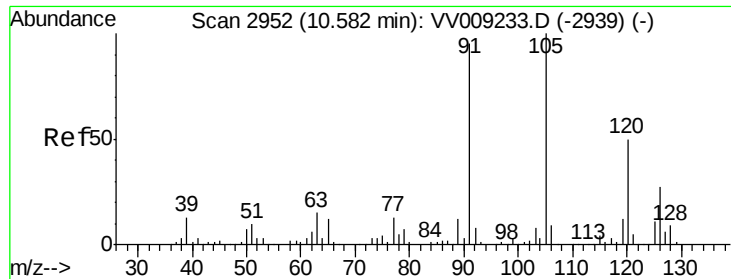
126 33.7 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 2.115 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion:105 Resp: 9232

Ion Ratio Lower Upper

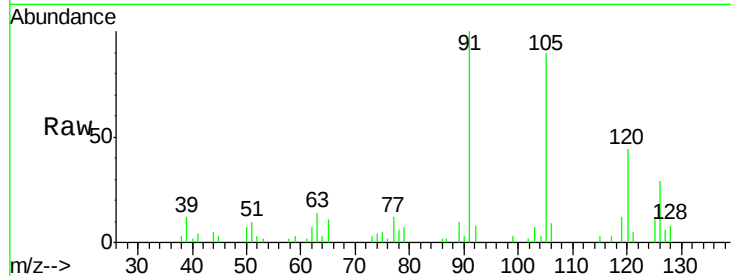
105 100

120 47.8 24.3 73.0

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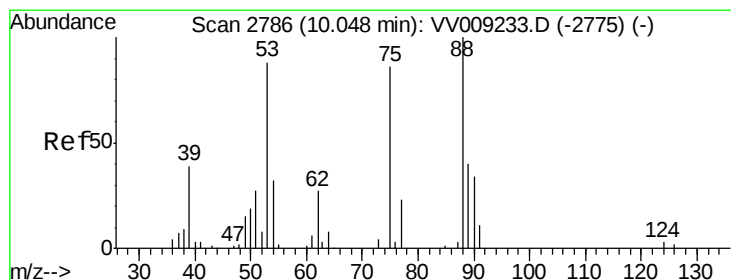
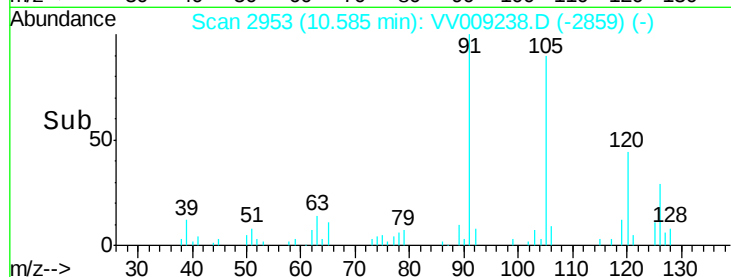
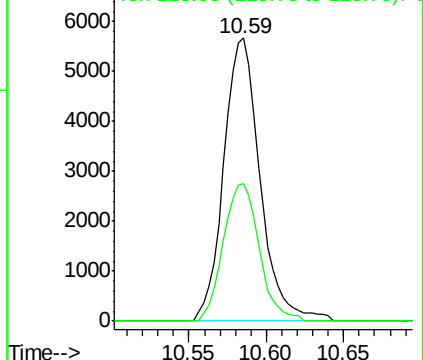
MMDadoda

1/24/2019 11:44:28 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 1.570 ug/l m

RT: 10.05 min Scan# 2786

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

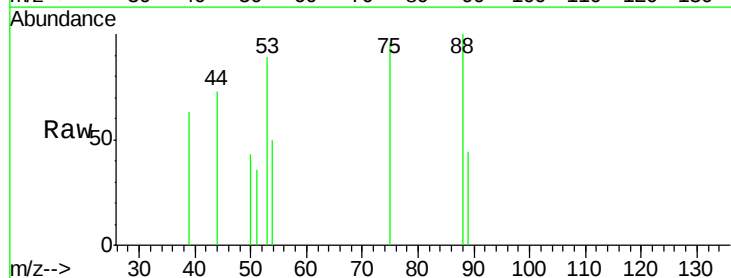
Tgt Ion: 75 Resp: 383

Ion Ratio Lower Upper

75 100

53 0.0 82.1 123.1#

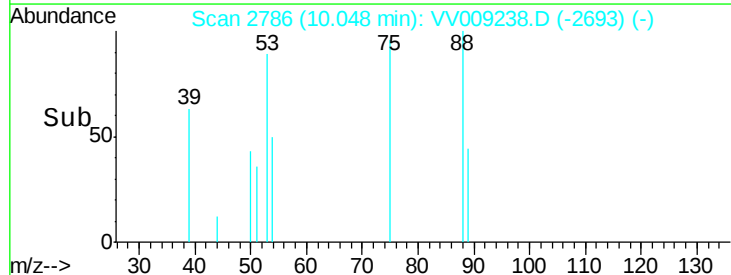
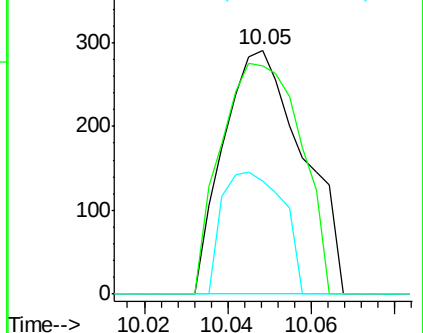
89 0.0 36.2 54.4#

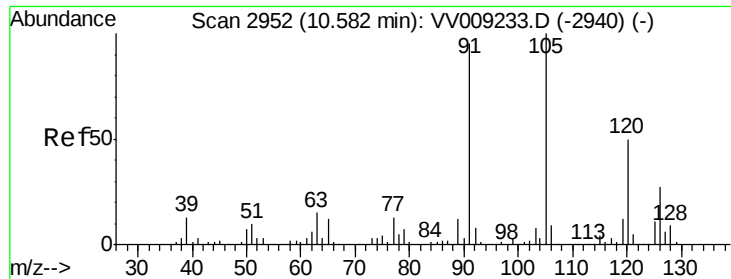


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 53.00 (52.70 to 53.70): VV0

Ion 88.90 (88.60 to 89.60): VV0





#82

4-Chlorotoluene

Concen: 2.253 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 91 Resp: 9881

Ion Ratio Lower Upper

91 100

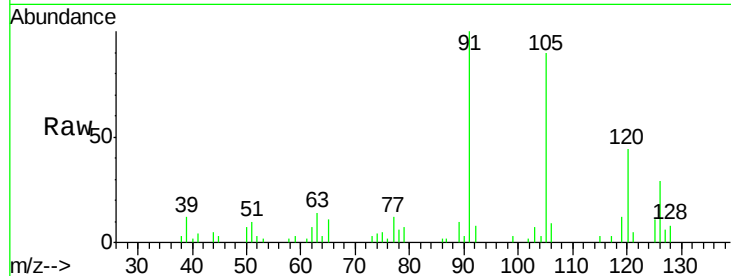
126 29.0 14.3 42.9

Manual Integrations

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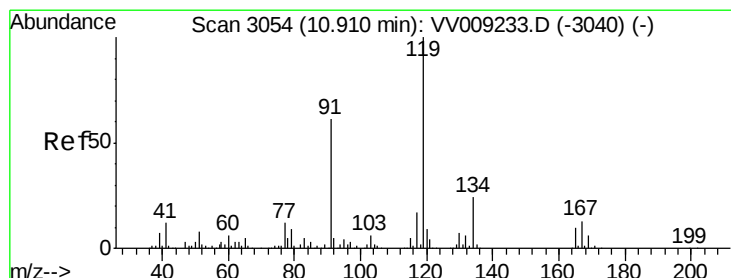
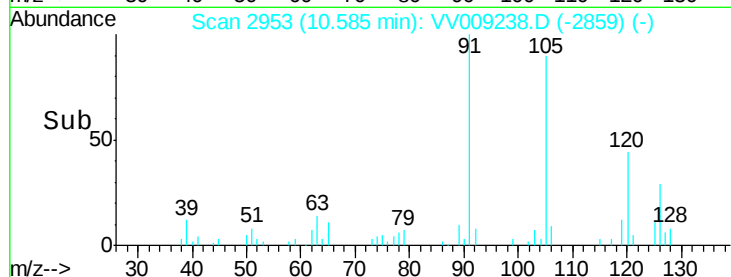
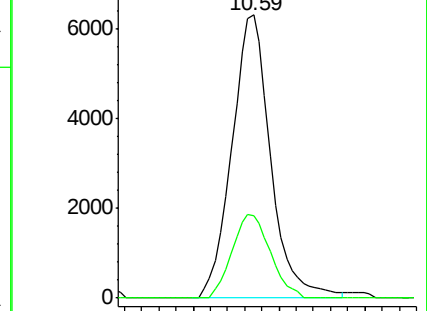
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Abundance Ion 91.00 (90.70 to 91.70): VV009233.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VV009233.D (-2940) (-)



#83

tert-Butylbenzene

Concen: 2.085 ug/l

RT: 10.91 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

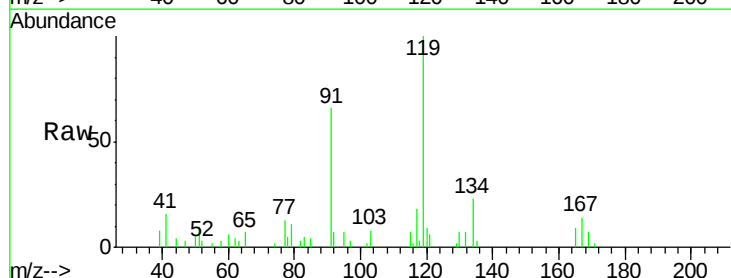
Tgt Ion: 119 Resp: 8667

Ion Ratio Lower Upper

119 100

91 64.3 30.0 90.1

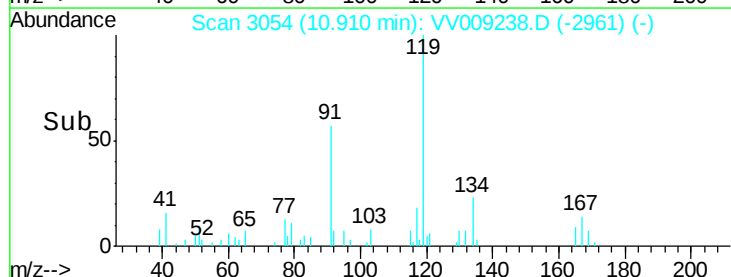
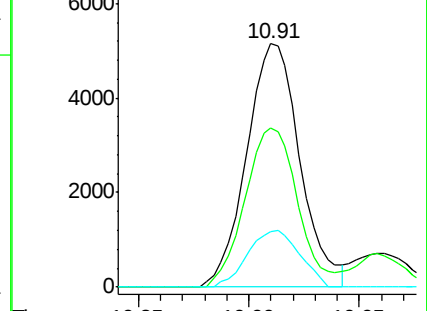
134 22.5 11.9 35.7

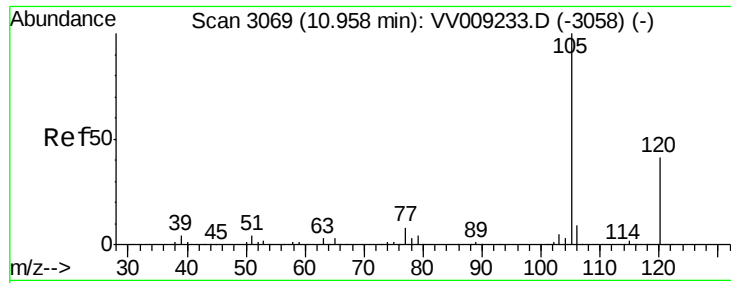


Abundance Ion 119.00 (118.70 to 119.70): VV009233.D (-3040) (-)

Ion 91.00 (90.70 to 91.70): VV009233.D (-3040) (-)

Ion 134.00 (133.70 to 134.70): VV009233.D (-3040) (-)





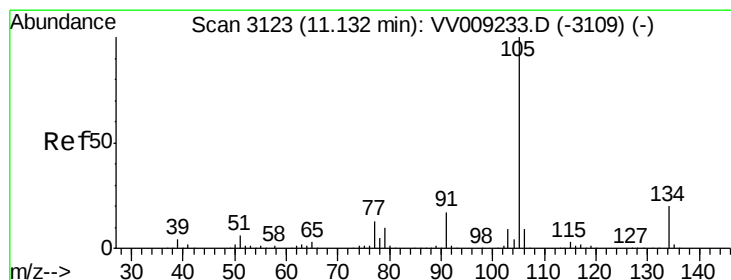
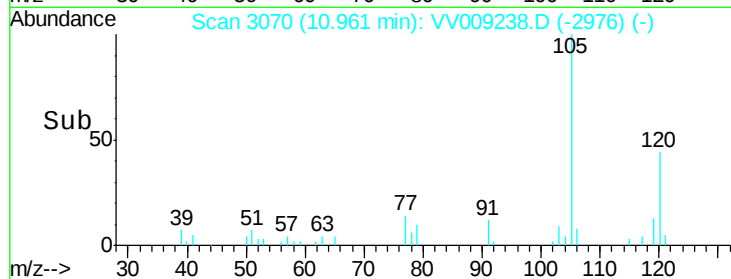
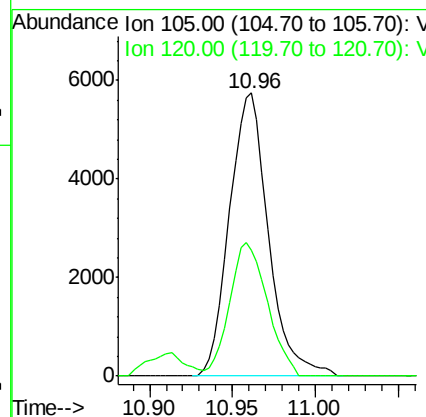
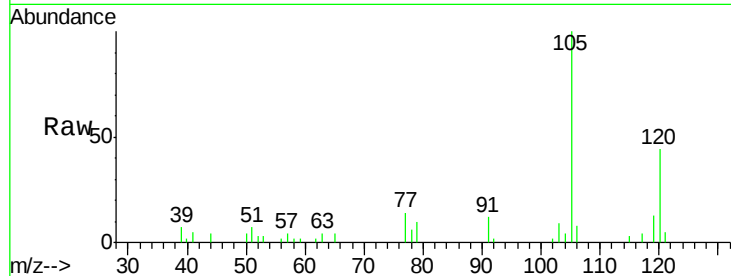
#84
 1,2,4-Trimethylbenzene
 Concen: 2.131 ug/l
 RT: 10.96 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion:105 Resp: 9386
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.6 67.7

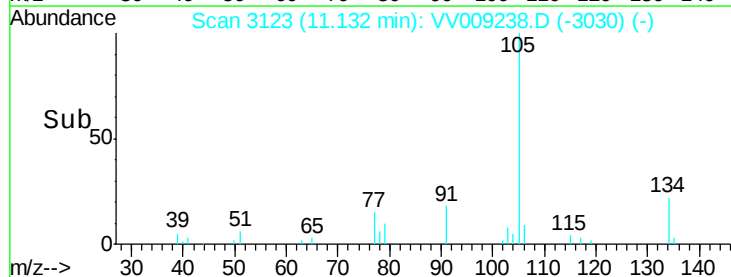
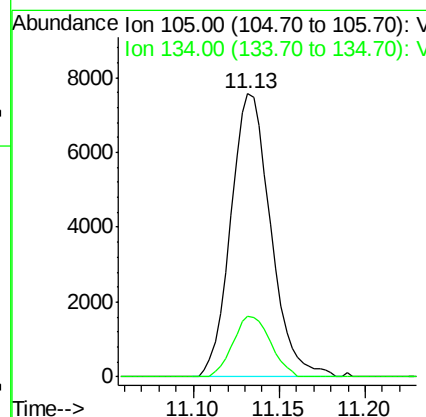
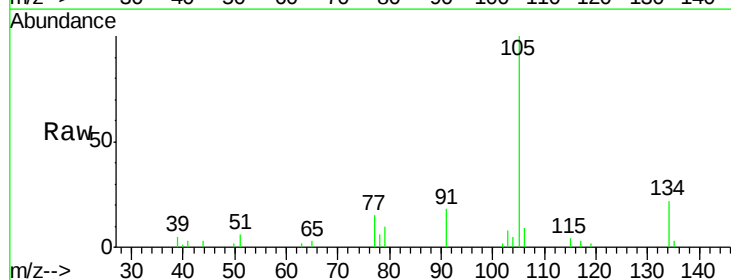
Manual Integrations
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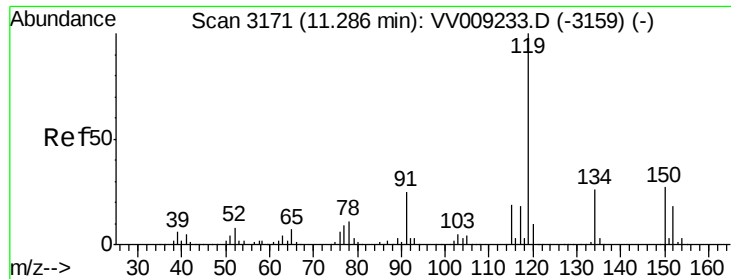
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#85
 sec-Butylbenzene
 Concen: 2.240 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Tgt Ion:105 Resp: 12195
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.1 30.3





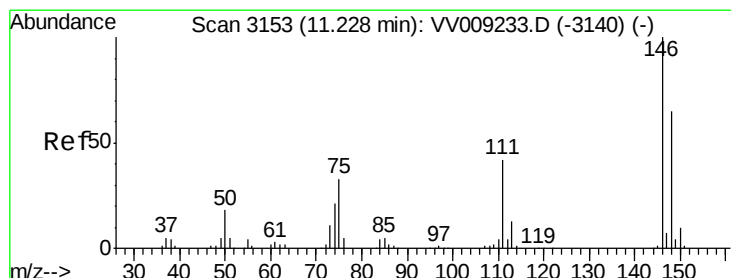
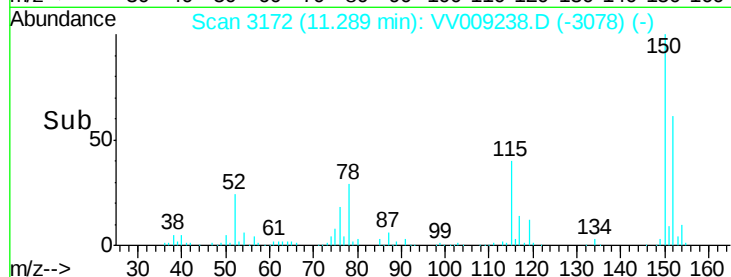
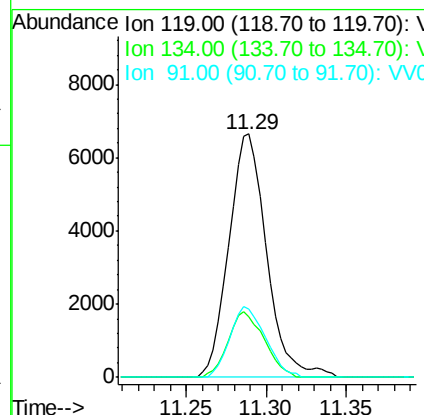
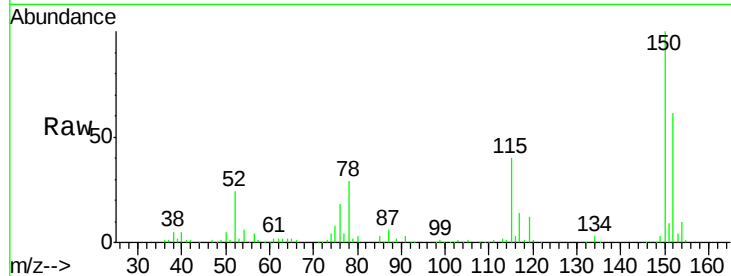
#86
 p-Isopropyltoluene
 Concen: 2.244 ug/l
 RT: 11.29 min Scan# 3172
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	10696		
134	25.7		13.0	38.9
91	27.4		12.4	37.2

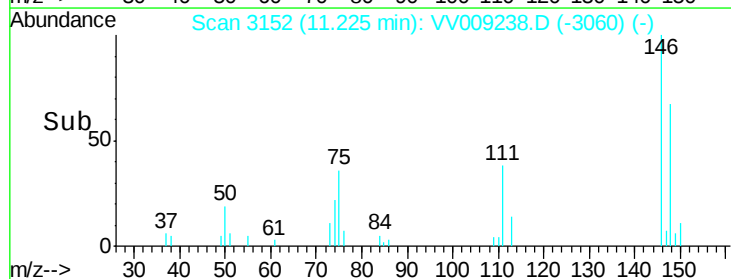
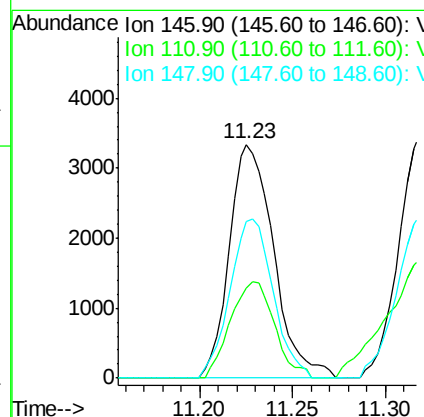
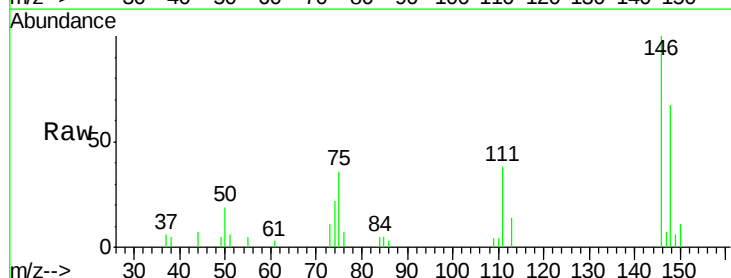
Manual Integrations
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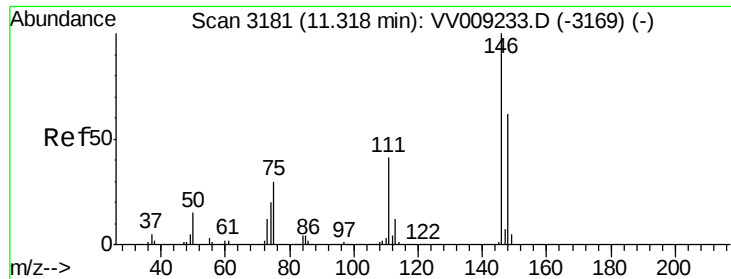
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 2.395 ug/l
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	5537		
111	41.0		21.1	63.4
148	66.1		32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 2.527 ug/l

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Instrument :

MSVOA_V

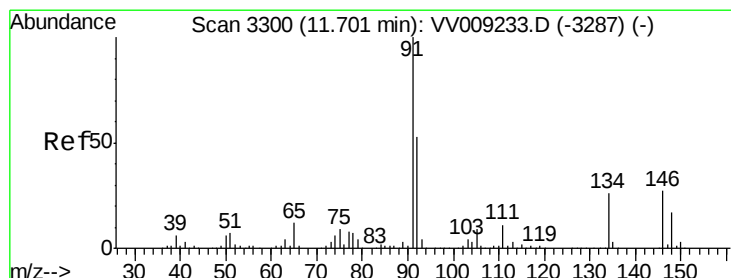
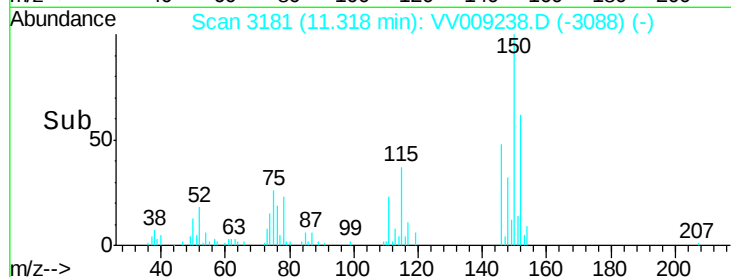
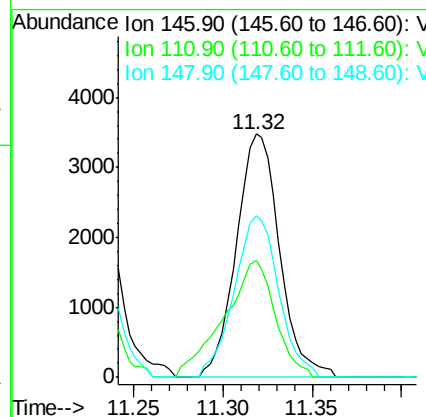
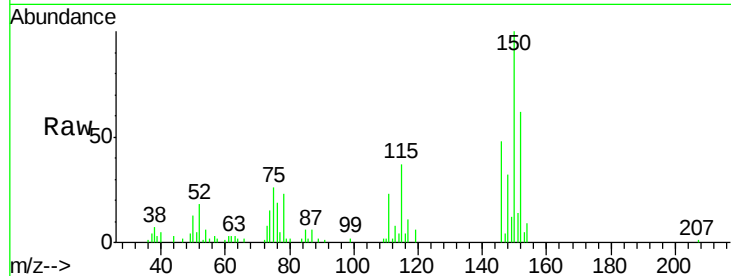
ClientSampleId :

MDL01

Tot Ion:	146	Resp:	5907
Ion Ratio	Lower	Upper	
146	100		
111	56.5	20.5	61.5
148	68.1	31.4	94.3

Manual Integrations
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#89

n-Butylbenzene

Concen: 2.365 ug/l

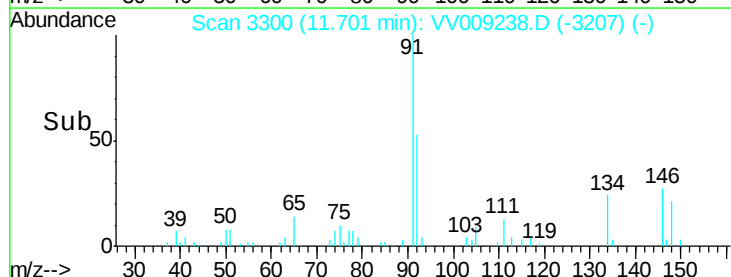
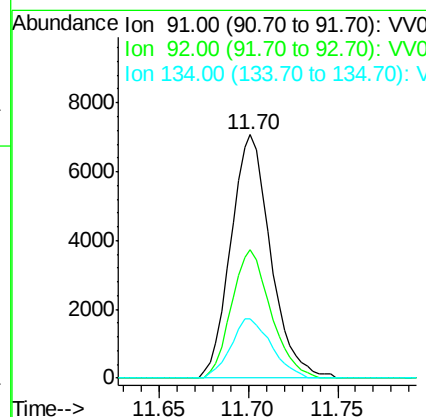
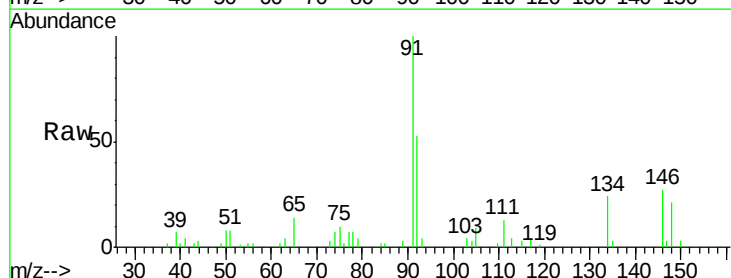
RT: 11.70 min Scan# 3300

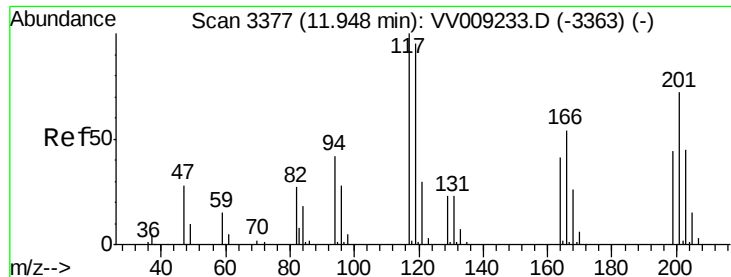
Delta R.T. 0.00 min

Lab File: VV009238.D

Acq: 22 Jan 2019 16:41

Tgt Ion:	91	Resp:	10943
Ion Ratio	Lower	Upper	
91	100		
92	52.0	27.2	81.5
134	24.8	12.6	37.8





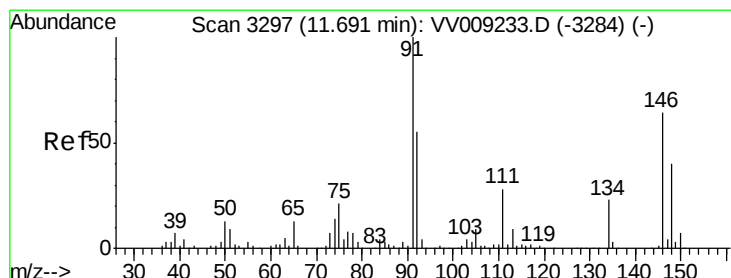
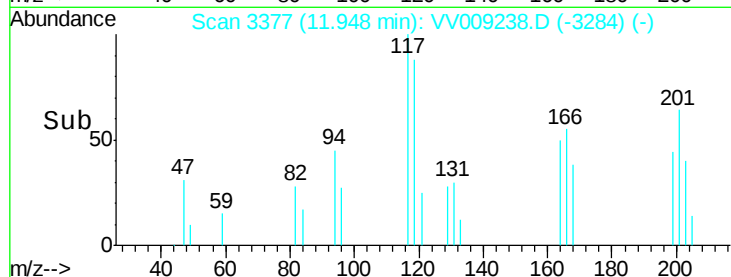
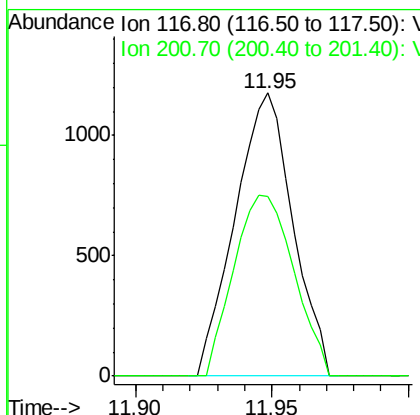
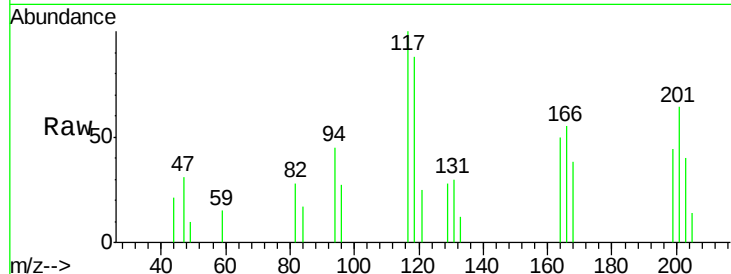
#90
Hexachloroethane
Concen: 2.035 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion:117 Resp: 1725
Ion Ratio Lower Upper
117 100
201 66.8 35.2 105.6

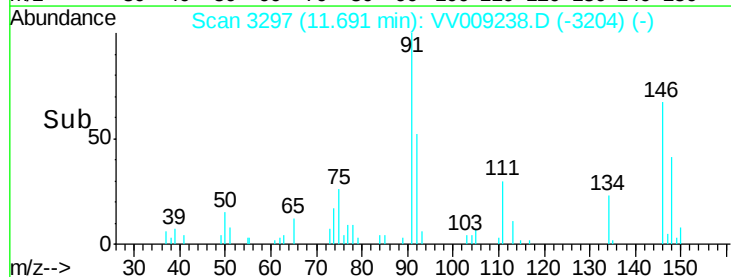
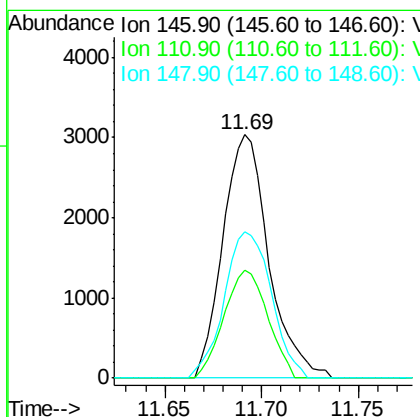
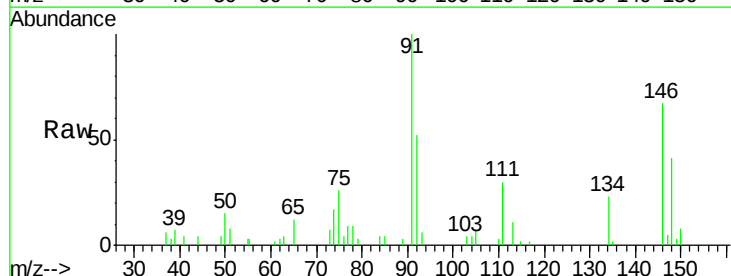
Manual Integrations
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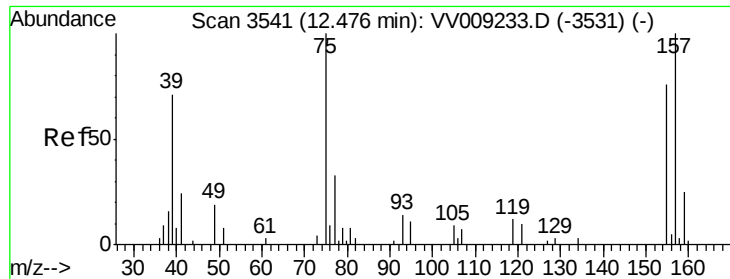
MMDadoda
1/24/2019 11:44:28 AM



#91
1,2-Dichlorobenzene
Concen: 2.448 ug/l
RT: 11.69 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion:146 Resp: 4996
Ion Ratio Lower Upper
146 100
111 42.3 21.9 65.8
148 62.0 31.6 95.0





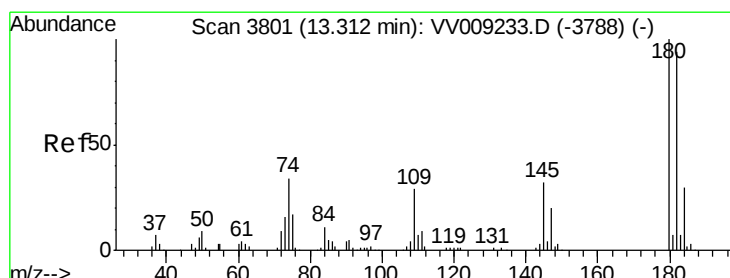
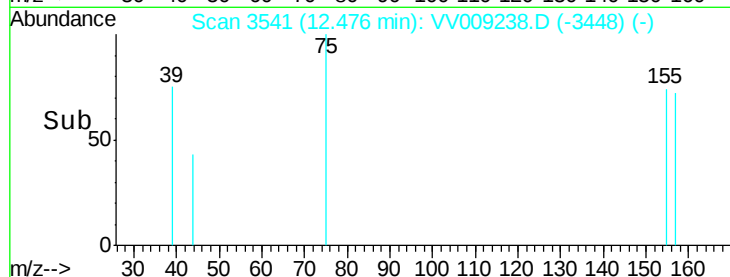
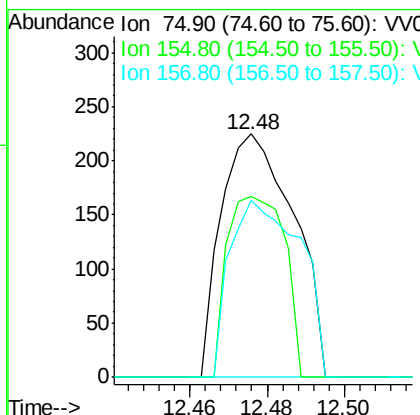
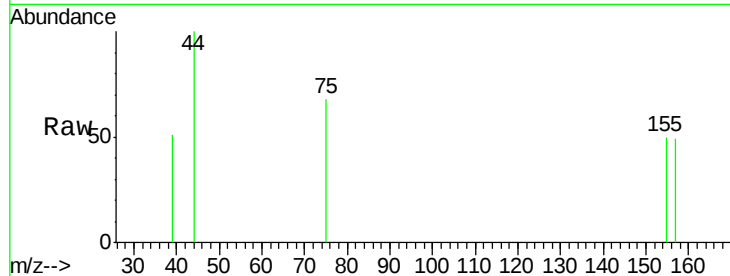
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.989 ug/l
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion: 75 Resp: 293
 Ion Ratio Lower Upper
 75 100
 155 58.4 38.0 114.0
 157 70.6 50.8 152.4

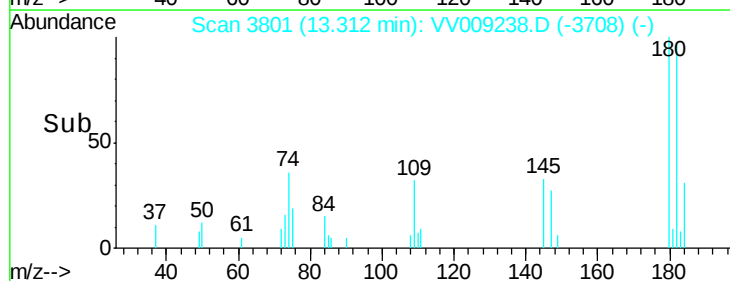
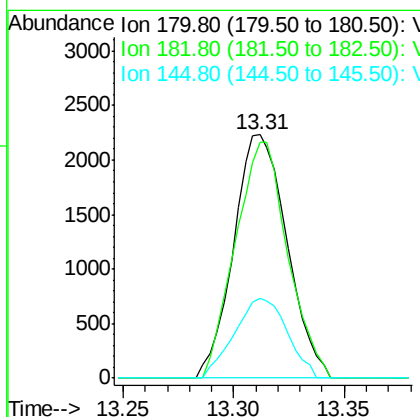
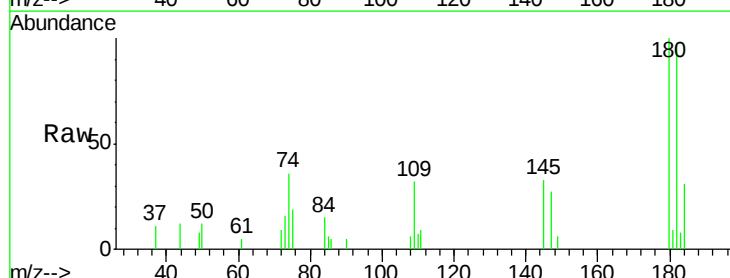
Manual Integrations
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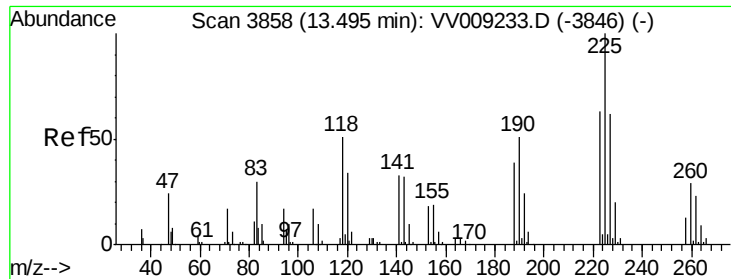
MMDadoda
 1/24/2019 11:44:28 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 2.848 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Tgt Ion: 180 Resp: 3741
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.1 141.4
 145 32.3 16.0 48.0





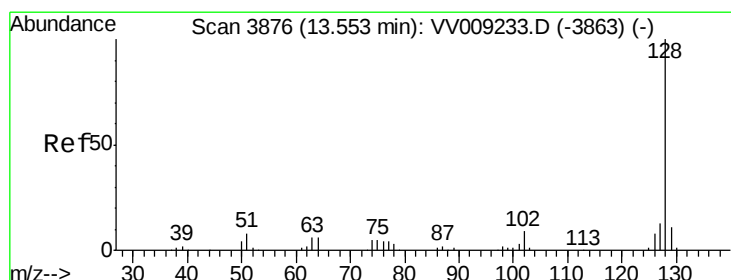
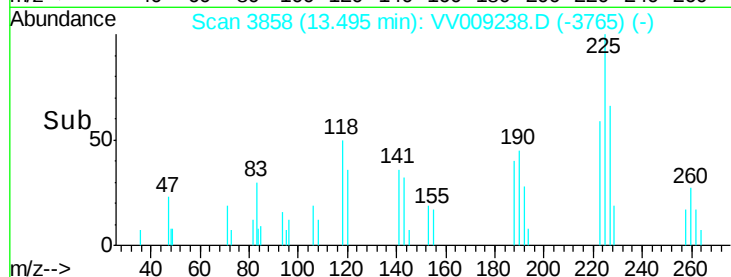
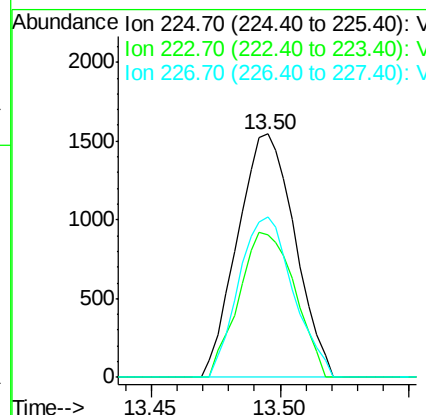
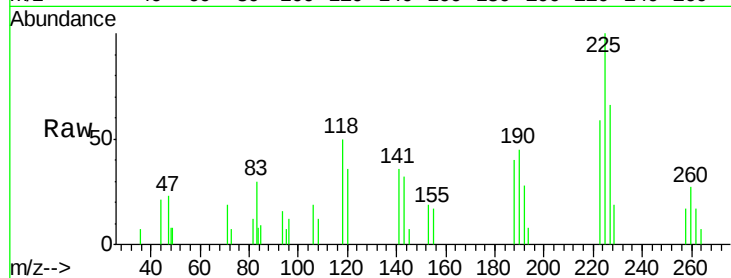
#94
Hexachlorobutadiene
Concen: 2.943 ug/l
RT: 13.50 min Scan# 3858
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
225	100		
223	58.1	31.7	95.1
227	62.6	31.6	95.0

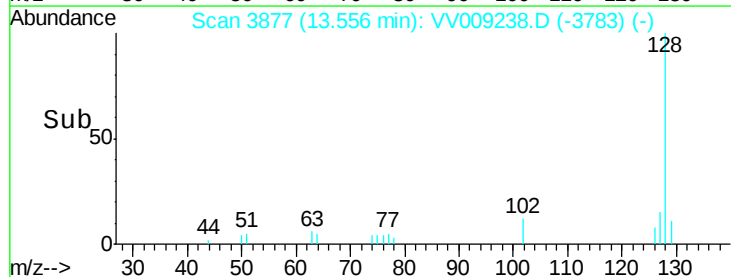
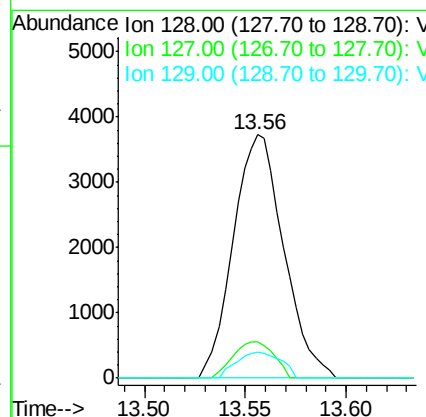
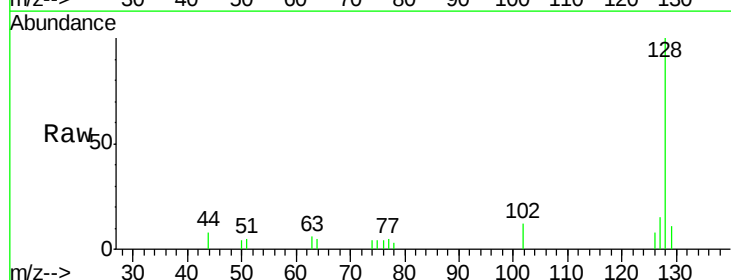
Manual Integrations
APPROVED

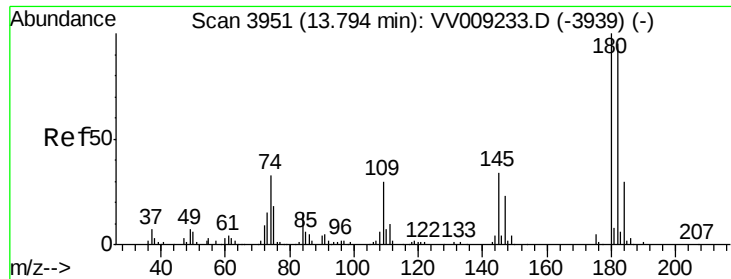
MMDadoda
1/24/2019 11:44:28 AM



#95
Naphthalene
Concen: 2.862 ug/l
RT: 13.56 min Scan# 3877
Delta R.T. 0.00 min
Lab File: VV009238.D
Acq: 22 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.7	16.1
129	9.4	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 2.994 ug/l
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV009238.D
 Acq: 22 Jan 2019 16:41

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.4	142.2
145	33.4	17.2	51.5

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:44:28 AM

