

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012419\
 Data File : VV009262.D
 Acq On : 24 Jan 2019 16:34
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:01:42 AM

Quant Time: Jan 24 23:51:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 23:18:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	72700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	120809	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	113641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	55347	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.07	65	48579	54.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.76%	
35) Dibromofluoromethane	4.64	113	42541	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
50) Toluene-d8	7.36	98	162354	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
62) 4-Bromofluorobenzene	10.12	95	59688	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.15	85	1451m	2.388	ug/l
3) Chloromethane	1.24	50	2195	2.658	ug/l
4) Vinyl Chloride	1.32	62	2080	2.486	ug/l
5) Bromomethane	1.53	94	1530	3.232	ug/l
6) Chloroethane	1.60	64	1202	2.739	ug/l
7) Trichlorofluoromethane	1.76	101	1092	2.763	ug/l
8) Diethyl Ether	1.96	74	1032	2.622	ug/l
9) 1,1,2-Trichlorotrifluoroet	2.13	101	1975	2.807	ug/l #
10) Methyl Iodide	2.26	142	3009	2.595	ug/l #
11) Tert butyl alcohol	2.65	59	4926	55.209	ug/l #
12) 1,1-Dichloroethene	2.13	96	1856	2.538	ug/l
13) Acrolein	2.06	56	554	13.095	ug/l
14) Allyl chloride	2.42	41	2871	2.629	ug/l
15) Acrylonitrile	2.76	53	2501	13.569	ug/l
16) Acetone	2.18	43	4203	19.199	ug/l
17) Carbon Disulfide	2.31	76	5096	2.482	ug/l
18) Methyl Acetate	2.45	43	2536	4.178	ug/l #
19) Methyl tert-butyl Ether	2.80	73	3177	2.776	ug/l
20) Methylene Chloride	2.53	84	3539	4.304	ug/l #
21) trans-1,2-Dichloroethene	2.78	96	2032	2.684	ug/l
22) Diisopropyl ether	3.33	45	7292	2.793	ug/l
23) Vinyl Acetate	3.30	43	17503	10.876	ug/l
24) 1,1-Dichloroethane	3.22	63	3488	2.164	ug/l #
25) 2-Butanone	4.03	43	3956	12.451	ug/l
26) 2,2-Dichloropropane	3.94	77	1616	1.977	ug/l
27) cis-1,2-Dichloroethene	3.95	96	2680	2.791	ug/l
28) Bromochloromethane	4.29	49	1392	2.152	ug/l #
29) Tetrahydrofuran	4.39	42	2596	14.335	ug/l
30) Chloroform	4.42	83	4228	2.610	ug/l
31) Cyclohexane	4.72	56	5348	3.598	ug/l #
32) 1,1,1-Trichloroethane	4.65	97	3203	2.543	ug/l
36) 1,1-Dichloropropene	4.87	75	3692	3.052	ug/l
37) Ethyl Acetate	4.14	43	1131m	4.872	ug/l
38) Carbon Tetrachloride	4.87	117	2913	2.435	ug/l

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Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:01:42 AM

Quant Time: Jan 24 23:51:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 23:18:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	4069	2.684	ug/l	88
40) Benzene	5.14	78	9881	2.773	ug/l	100
41) Methacrylonitrile	4.32	41	837	2.375	ug/l #	88
42) 1,2-Dichloroethane	5.17	62	3045	2.748	ug/l	78
43) Isopropyl Acetate	5.33	43	3023	2.580	ug/l #	90
44) Trichloroethene	5.96	130	2660	2.797	ug/l	93
45) 1,2-Dichloropropane	6.22	63	2350	2.679	ug/l	98
46) Dibromomethane	6.35	93	1166	2.372	ug/l #	86
47) Bromodichloromethane	6.55	83	2928	2.533	ug/l	99
48) Methyl methacrylate	6.42	41	1340	2.305	ug/l	94
49) 1,4-Dioxane	6.43	88	331	42.919	ug/l	97
51) 4-Methyl-2-Pentanone	7.28	43	7778	12.612	ug/l	99
52) Toluene	7.43	92	6207	2.758	ug/l	99
53) t-1,3-Dichloropropene	7.69	75	2450	2.096	ug/l	94
54) cis-1,3-Dichloropropene	7.07	75	2955	2.228	ug/l #	88
55) 1,1,2-Trichloroethane	7.88	97	1876	2.737	ug/l	95
56) Ethyl methacrylate	7.84	69	1955	2.361	ug/l	94
57) 1,3-Dichloropropane	8.05	76	3224	2.640	ug/l	97
59) 2-Hexanone	8.19	43	5166	11.652	ug/l	92
60) Dibromochloromethane	8.29	129	1759	2.245	ug/l	100
61) 1,2-Dibromoethane	8.40	107	1777	2.581	ug/l	99
64) Tetrachloroethene	8.02	164	2220	2.833	ug/l	90
65) Chlorobenzene	8.92	112	6838	2.668	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.02	131	2216	2.590	ug/l	94
67) Ethyl Benzene	9.05	91	11451	2.634	ug/l	99
68) m/p-Xylenes	9.18	106	8398	5.035	ug/l	99
69) o-Xylene	9.59	106	3781	2.426	ug/l	97
70) Styrene	9.60	104	5759	2.269	ug/l	94
71) Bromoform	9.77	173	1000	2.168	ug/l #	100
73) Isopropylbenzene	9.97	105	10804	2.629	ug/l	100
74) N-amyl acetate	9.84	43	1994	2.073	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	10.29	83	2229	2.637	ug/l	98
76) 1,2,3-Trichloropropane	10.32	75	1954	2.991	ug/l #	49
77) Bromobenzene	10.26	156	2737	2.854	ug/l	96
78) n-propylbenzene	10.40	91	13896	2.858	ug/l	97
79) 2-Chlorotoluene	10.47	91	8815	3.008	ug/l	97
80) 1,3,5-Trimethylbenzene	10.59	105	9014	2.607	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	473m	2.057	ug/l	
82) 4-Chlorotoluene	10.59	91	9876	2.842	ug/l	96
83) tert-Butylbenzene	10.91	119	8718	2.612	ug/l	97
84) 1,2,4-Trimethylbenzene	10.96	105	9378	2.642	ug/l	96
85) sec-Butylbenzene	11.14	105	11477	2.638	ug/l	98
86) p-Isopropyltoluene	11.29	119	10746	2.799	ug/l	96
87) 1,3-Dichlorobenzene	11.23	146	5857	3.016	ug/l	98
88) 1,4-Dichlorobenzene	11.32	146	6343	3.200	ug/l	93
89) n-Butylbenzene	11.70	91	10311	2.774	ug/l	98
90) Hexachloroethane	11.95	117	1614	2.377	ug/l	94
91) 1,2-Dichlorobenzene	11.69	146	5212	2.991	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	383	2.714	ug/l	72
93) 1,2,4-Trichlorobenzene	13.31	180	3944	3.230	ug/l	98

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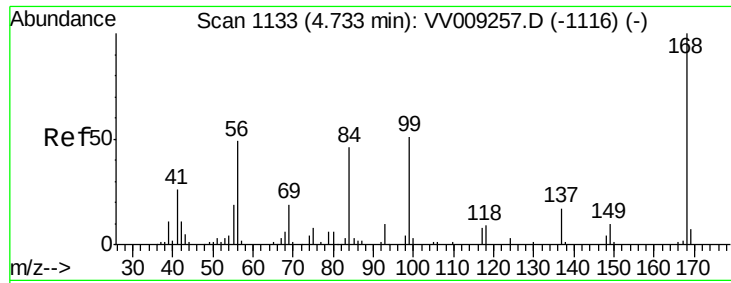
Manual Integrations
APPROVED

MMDadoda
1/25/2019 10:01:42 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\82V012419S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 24 23:18:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.50	225	2238	3.206	ug/l	97
95) Naphthalene	13.56	128	6514	2.663	ug/l	97
96) 1,2,3-Trichlorobenzene	13.80	180	3564	3.309	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: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion:168 Resp: 72700

Ion Ratio Lower Upper

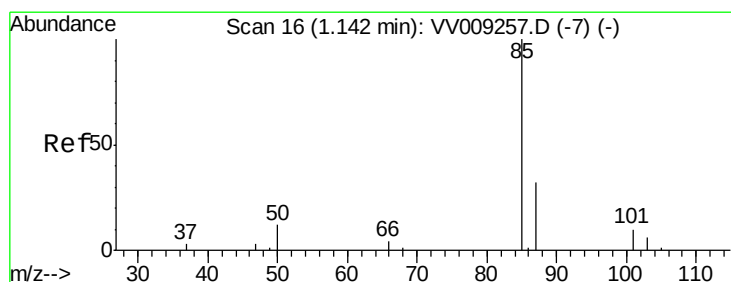
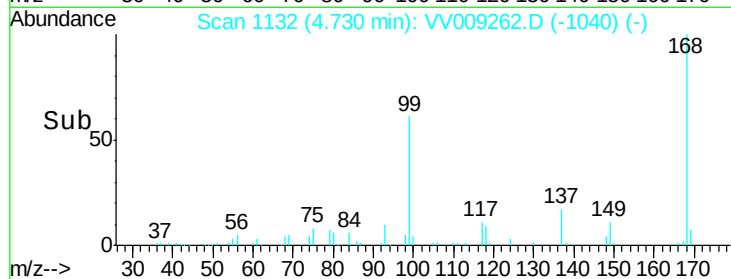
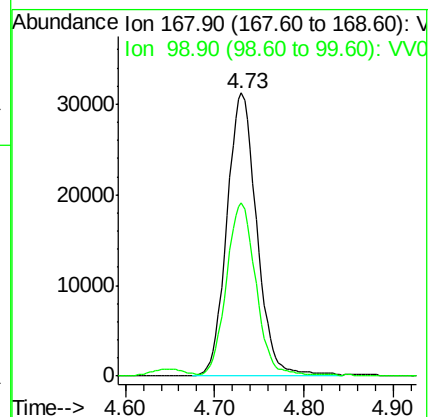
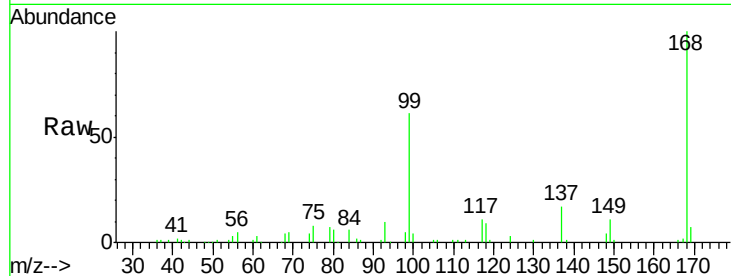
168 100

99 60.9 50.0 75.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 2.388 ug/l m

RT: 1.15 min Scan# 17

Delta R.T. 0.00 min

Lab File: VV009262.D

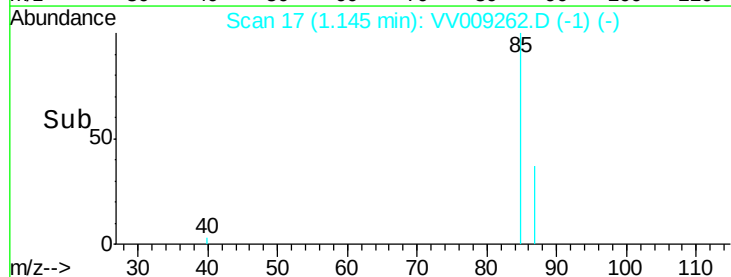
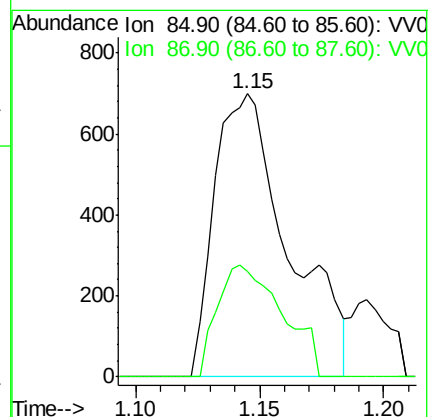
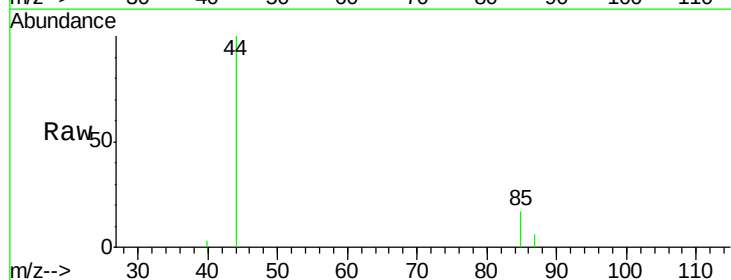
Acq: 24 Jan 2019 16:34

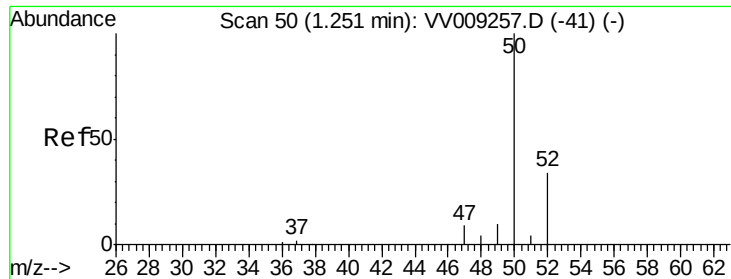
Tgt Ion: 85 Resp: 1451

Ion Ratio Lower Upper

85 100

87 37.1 16.0 47.9





#3

Chloromethane

Concen: 2.658 ug/l

RT: 1.24 min Scan# 48

Delta R.T. -0.01 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 50 Resp: 2195

Ion Ratio Lower Upper

50 100

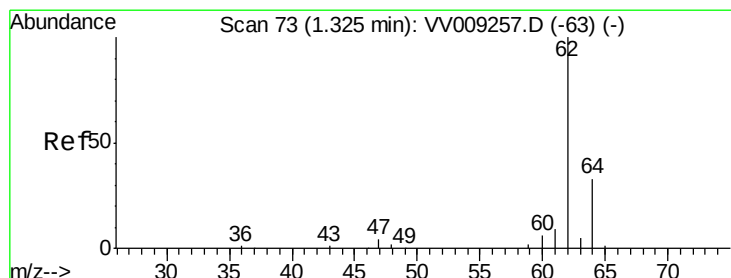
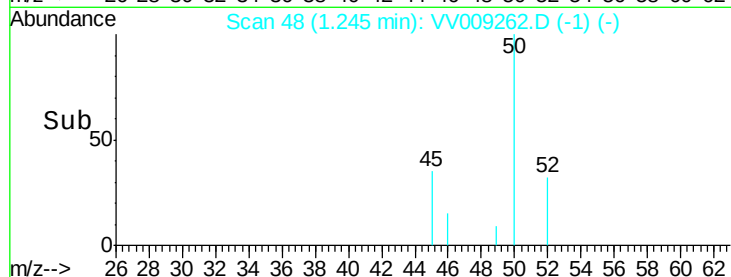
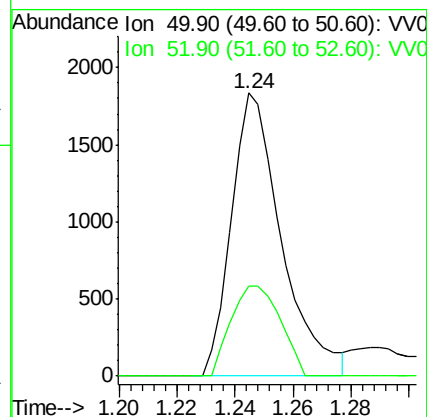
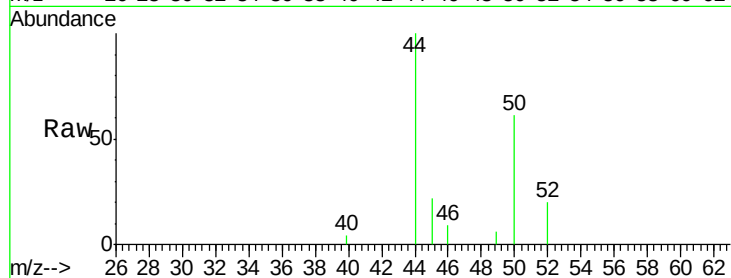
52 32.0 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.486 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009262.D

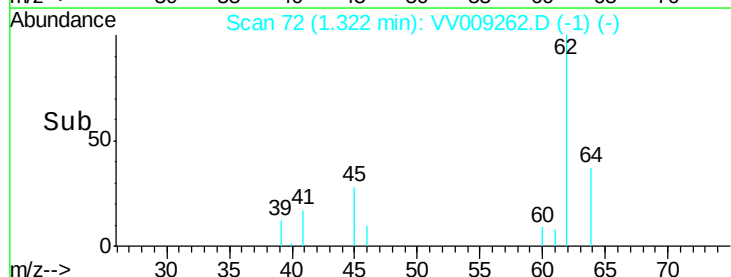
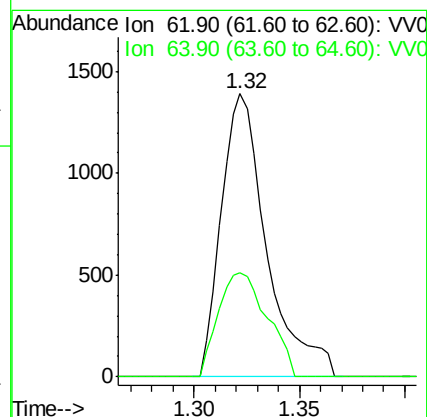
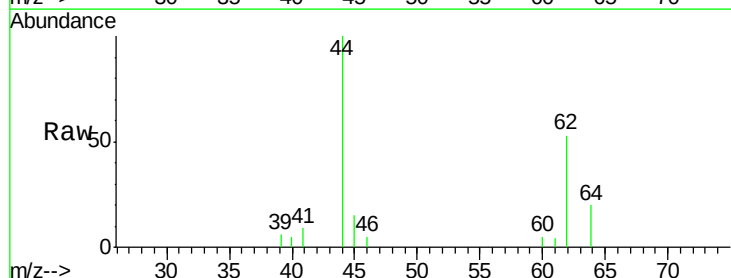
Acq: 24 Jan 2019 16:34

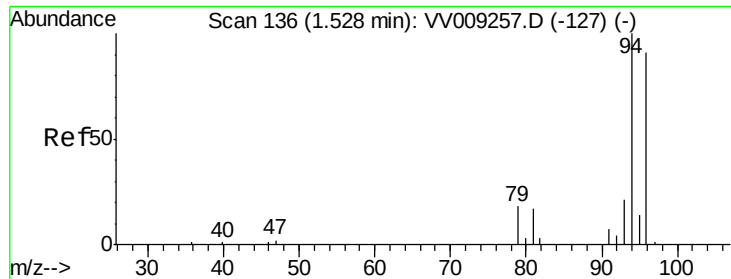
Tgt Ion: 62 Resp: 2080

Ion Ratio Lower Upper

62 100

64 36.9 26.3 39.5





#5

Bromomethane

Concen: 3.232 ug/l

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 94 Resp: 1530

Ion Ratio Lower Upper

94 100

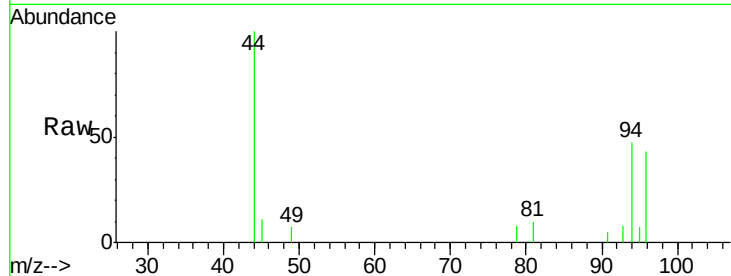
96 92.2 73.0 109.6

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 93.90 (93.60 to 94.60): VV009257.D (-127) (-)

Ion 95.90 (95.60 to 96.60): VV009262.D (-43) (-)

1.53

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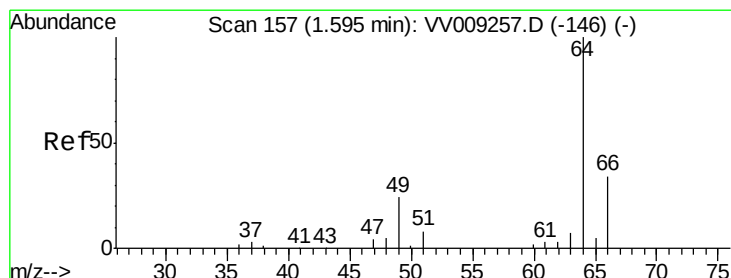
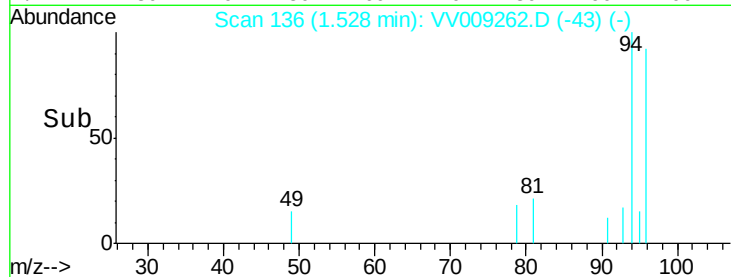
1.53

1.53

1.53

1.53

1.53



#6

Chloroethane

Concen: 2.739 ug/l

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV009262.D

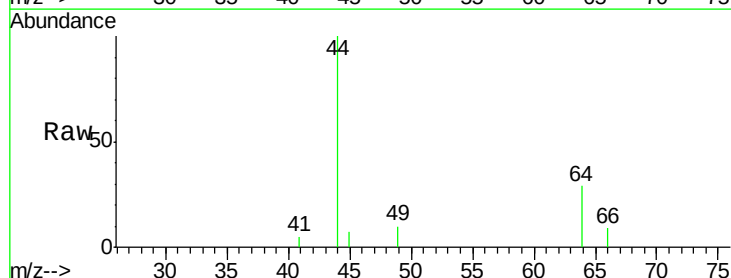
Acq: 24 Jan 2019 16:34

Tgt Ion: 64 Resp: 1202

Ion Ratio Lower Upper

64 100

66 30.6 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VV009257.D (-146) (-)

Ion 65.90 (65.60 to 66.60): VV009262.D (-64) (-)

1.60

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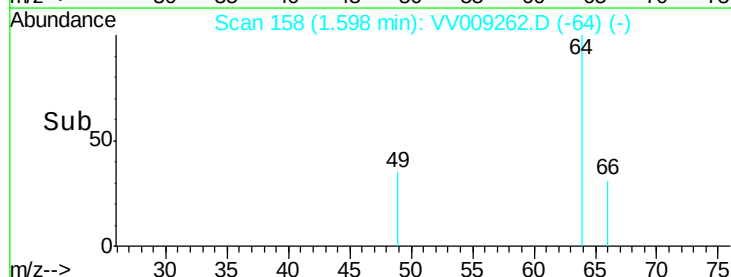
1.60

1.60

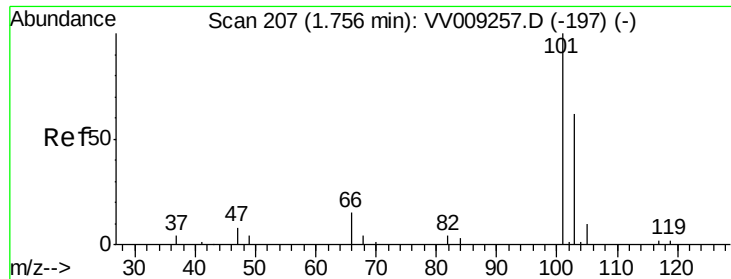
1.60

1.60

1.60



Time-->



#7

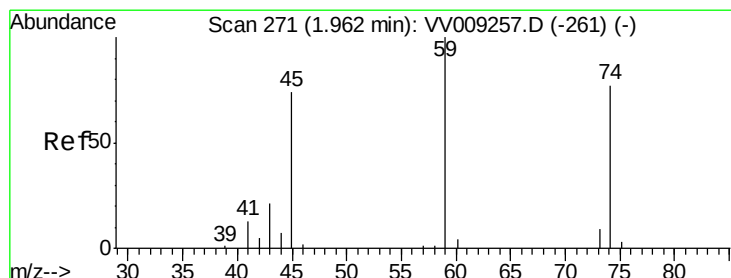
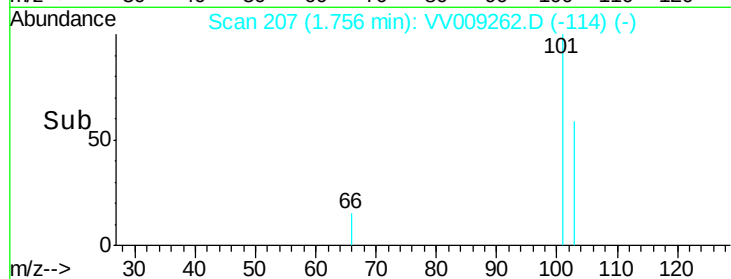
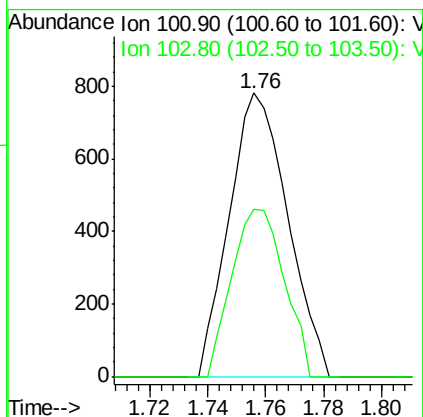
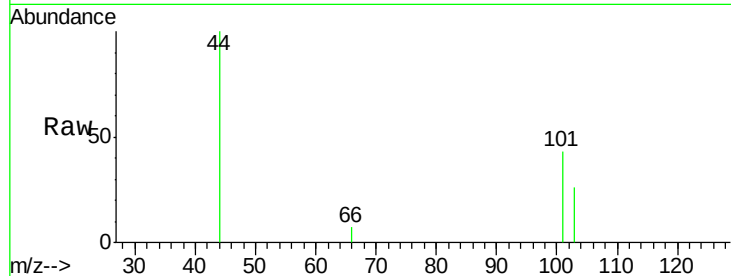
Trichlorofluoromethane
Concen: 2.763 ug/l
RT: 1.76 min Scan# 207
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.2	49.8	74.8

Manual Integrations
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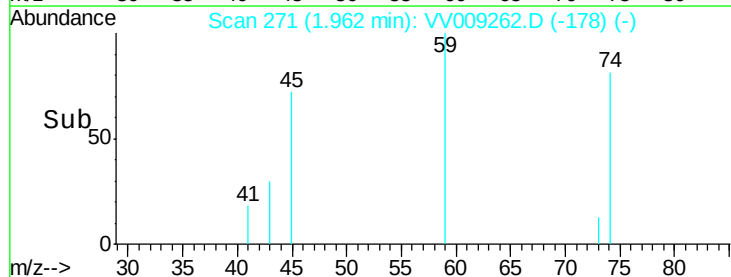
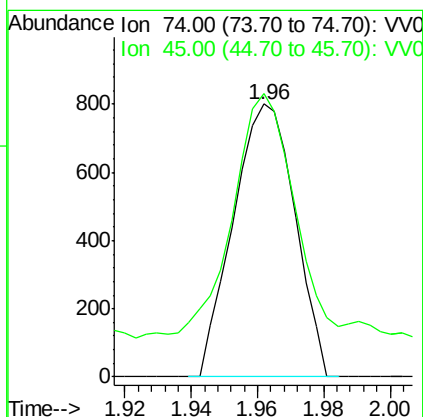
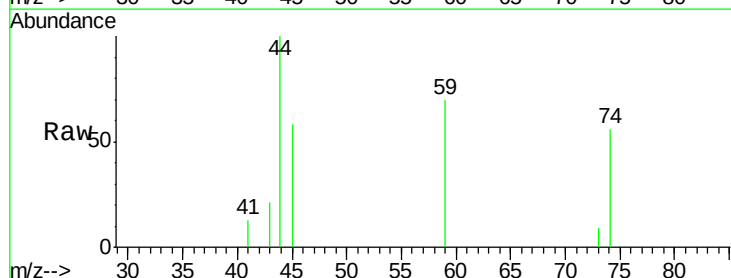
MMDadoda
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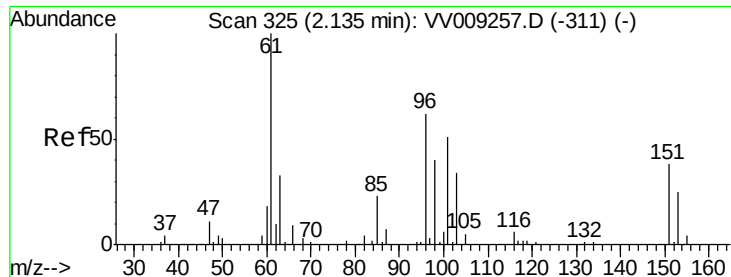


#8

Diethyl Ether
Concen: 2.622 ug/l
RT: 1.96 min Scan# 271
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	47.4	142.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.807 ug/l

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

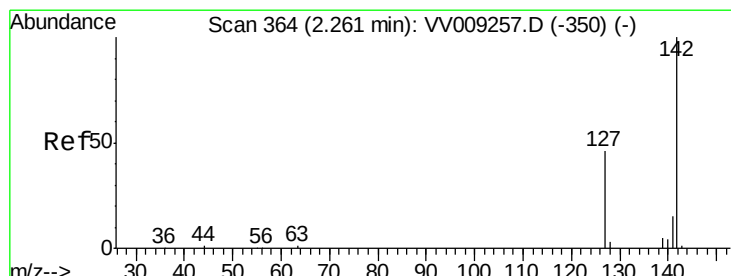
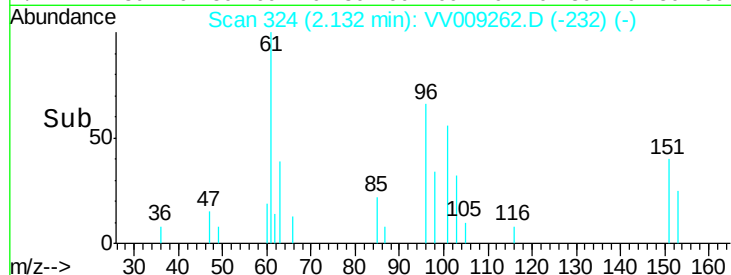
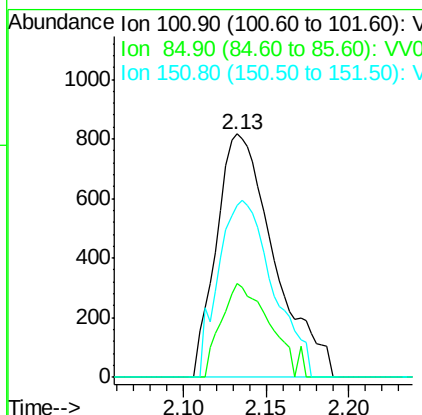
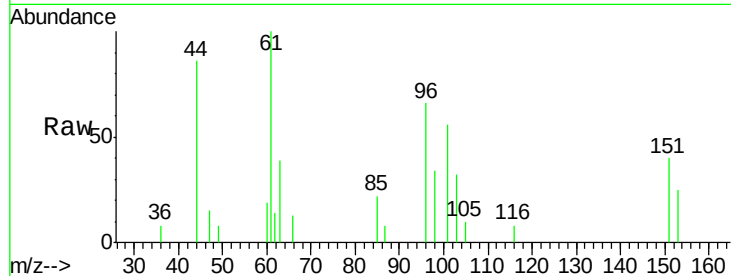
ClientSampled :

MDL06

Tot Ion:	101	Resp:	1975
Ion Ratio	Lower	Upper	
101	100		
85	32.6	33.8	50.6#
151	68.8	58.3	87.5

Manual Integrations
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#10

Methyl Iodide

Concen: 2.595 ug/l

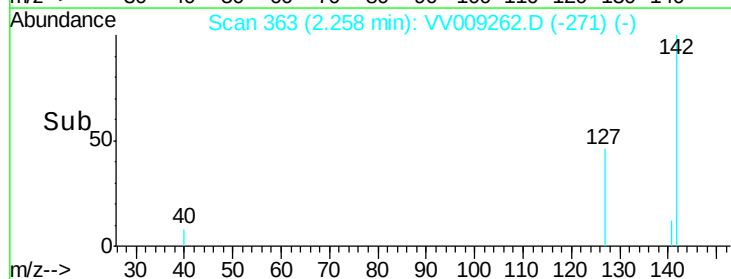
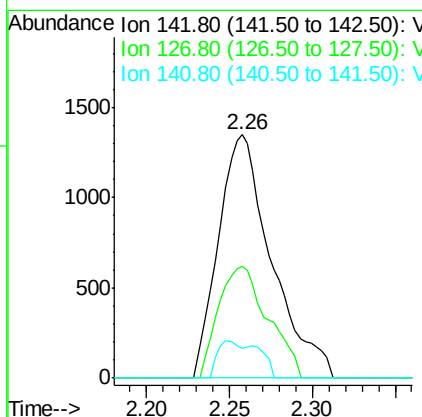
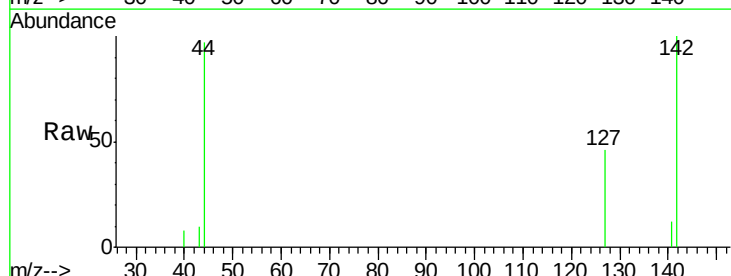
RT: 2.26 min Scan# 363

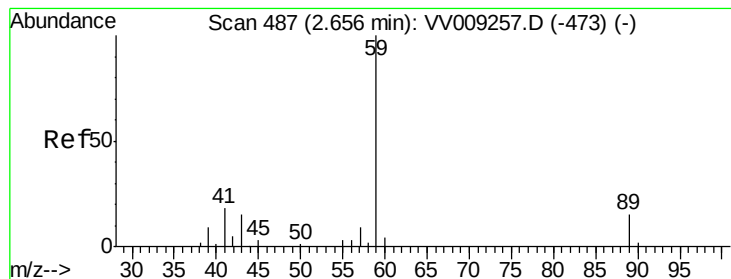
Delta R.T. -0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Tgt Ion:	142	Resp:	3009
Ion Ratio	Lower	Upper	
142	100		
127	42.8	36.8	55.2
141	6.7	11.6	17.4#





#11

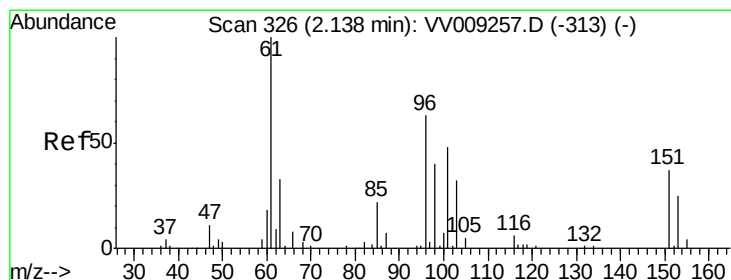
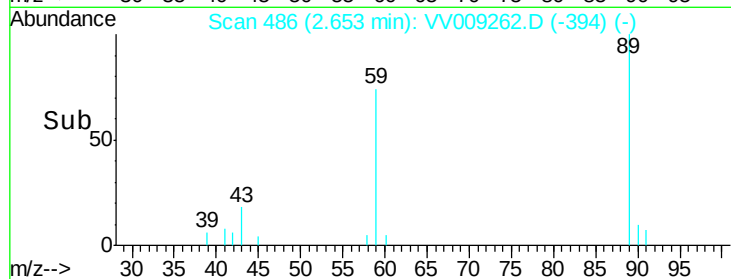
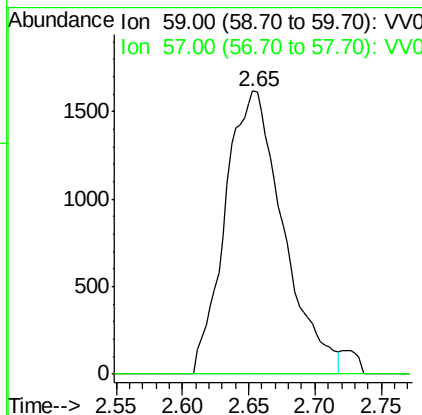
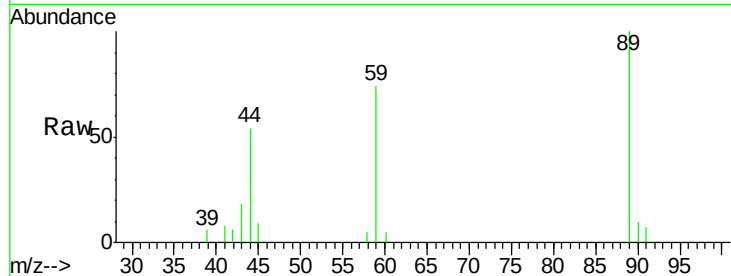
Tert butyl alcohol
 Concen: 55.209 ug/l
 RT: 2.65 min Scan# 486
 Delta R.T. -0.00 min
 Lab File: VV009262.D
 Acq: 24 Jan 2019 16:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion: 59 Resp: 4926
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

Manual Integrations
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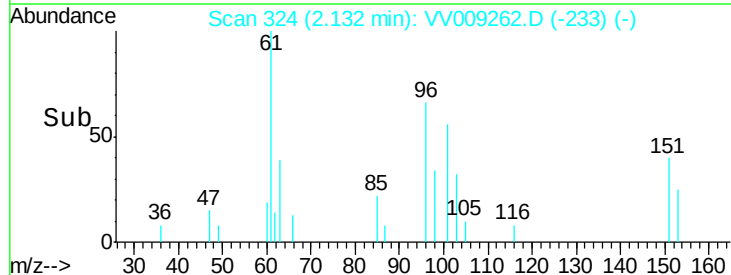
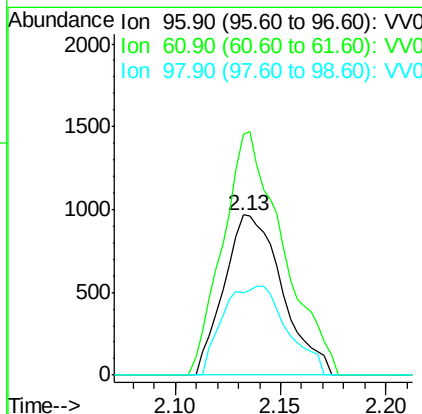
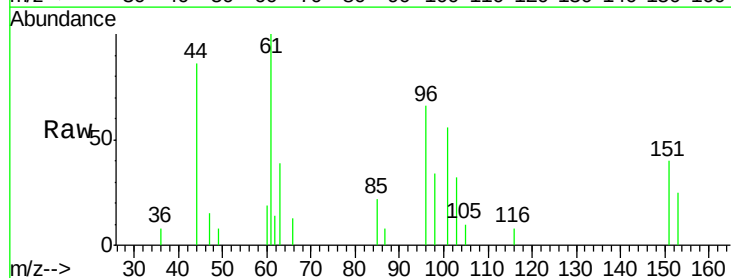
MMDadoda
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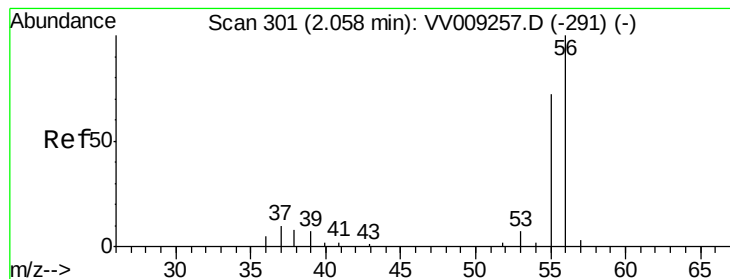


#12

1,1-Dichloroethene
 Concen: 2.538 ug/l
 RT: 2.13 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VV009262.D
 Acq: 24 Jan 2019 16:34

Tgt Ion: 96 Resp: 1856
 Ion Ratio Lower Upper
 96 100
 61 150.9 127.2 190.8
 98 51.8 51.5 77.3





#13

Acrolein

Concen: 13.095 ug/l

RT: 2.06 min Scan# 301

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 56 Resp: 554

Ion Ratio Lower Upper

56 100

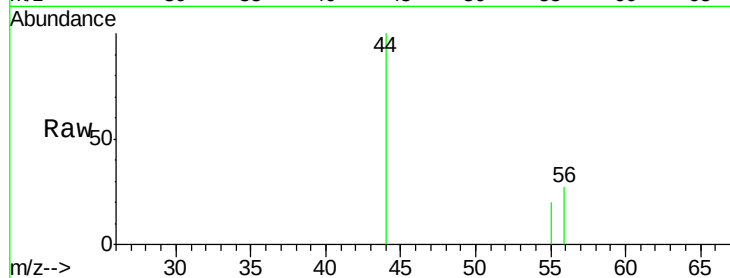
55 77.3 54.8 82.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

2.06

400

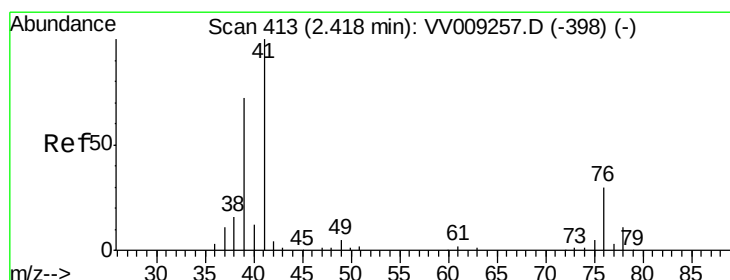
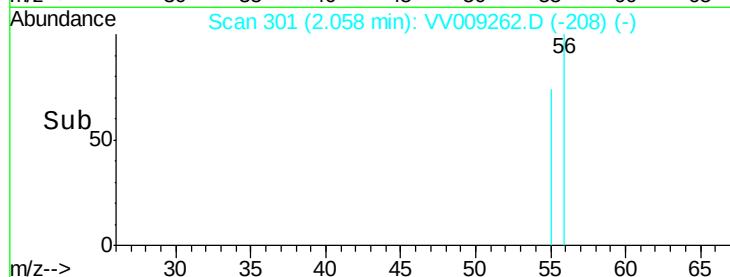
300

200

100

0

Time-->



#14

Allyl chloride

Concen: 2.629 ug/l

RT: 2.42 min Scan# 413

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

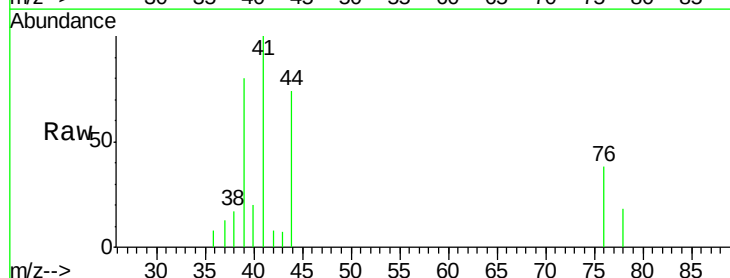
Tgt Ion: 41 Resp: 2871

Ion Ratio Lower Upper

41 100

39 78.7 56.4 84.6

76 34.1 30.6 46.0



Abundance Ion 41.00 (40.70 to 41.70): VV0

Ion 39.00 (38.70 to 39.70): VV0

Ion 75.90 (75.60 to 76.60): VV0

2.42

2000

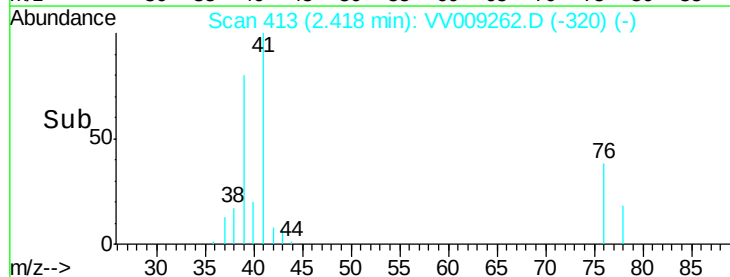
1500

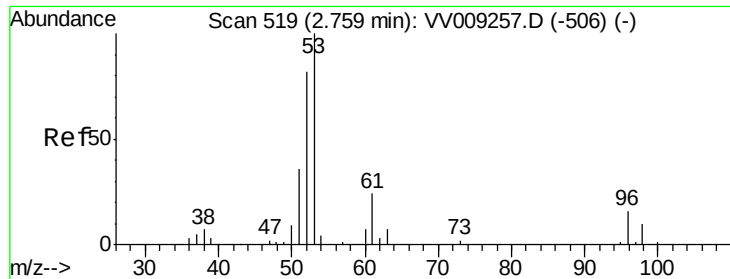
1000

500

0

Time-->





#15

Acrylonitrile

Concen: 13.569 ug/l

RT: 2.76 min Scan# 519

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

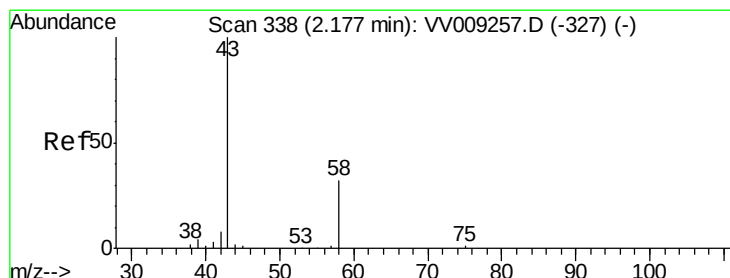
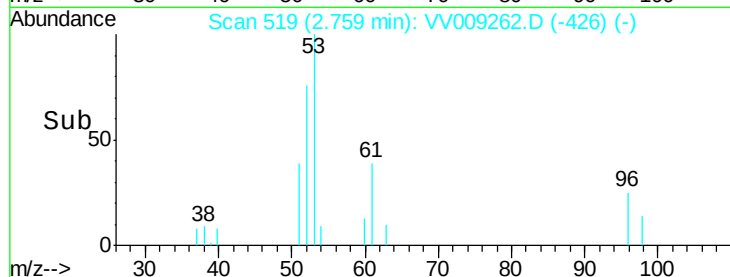
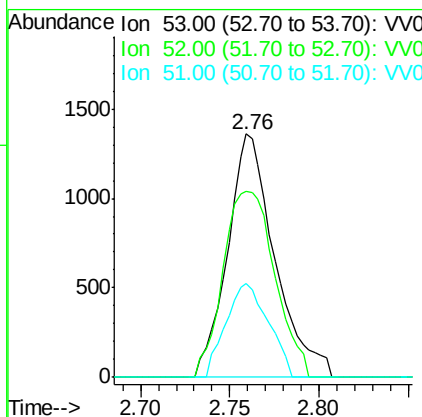
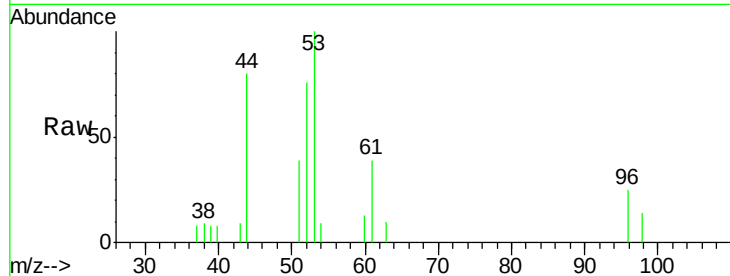
ClientSampleId :

MDL06

Tot Ion:	53	Resp:	2501
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.2	100.8
51	34.6	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 19.199 ug/l

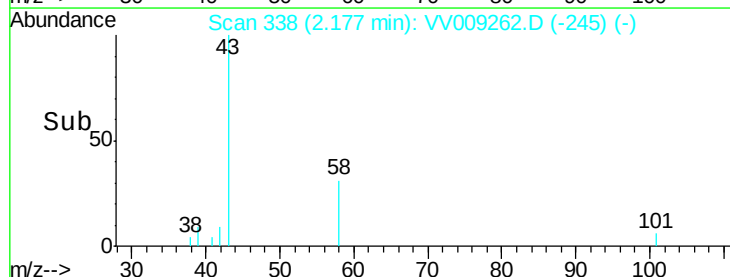
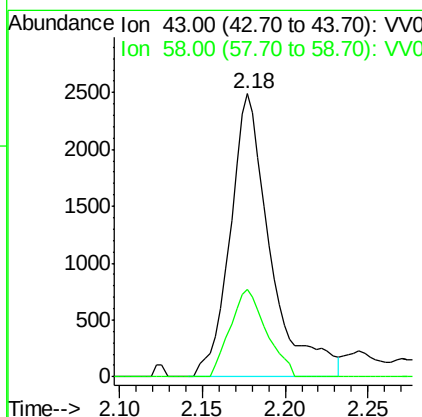
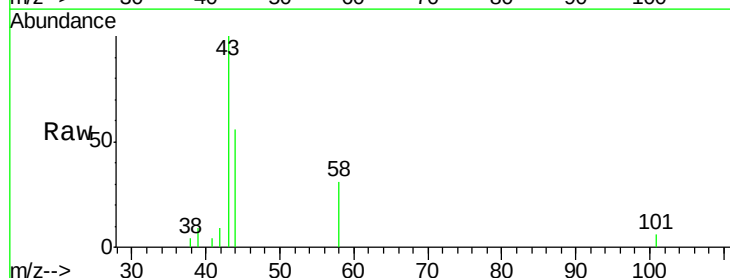
RT: 2.18 min Scan# 338

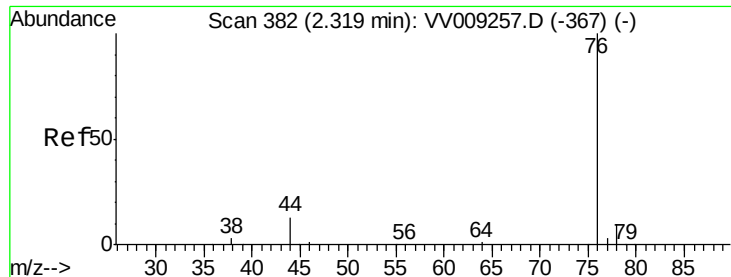
Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Tgt Ion:	43	Resp:	4203
Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.8	38.6





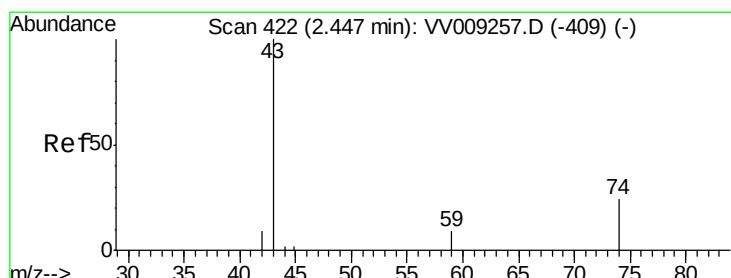
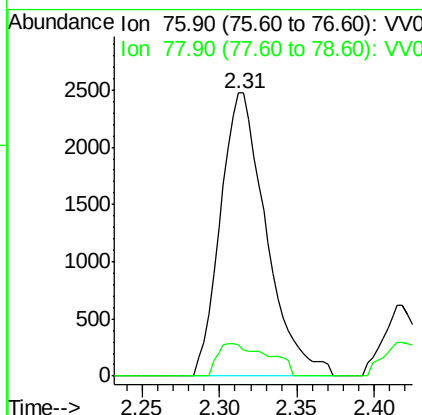
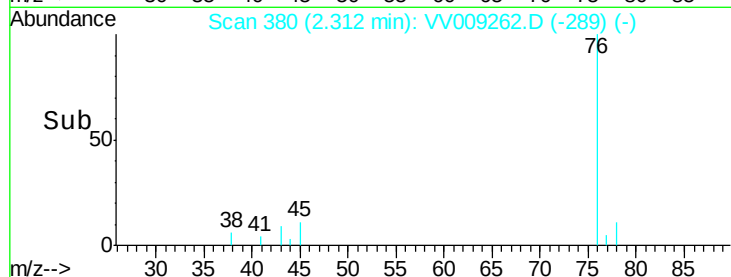
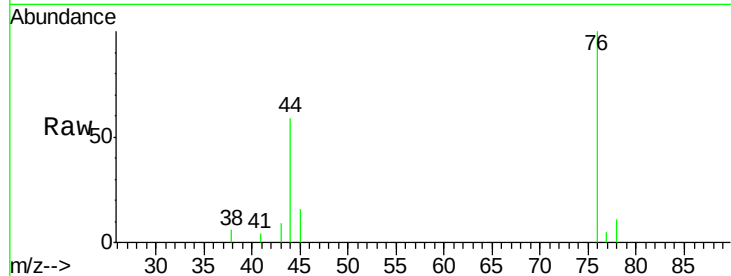
#17
Carbon Disulfide
Concen: 2.482 ug/l
RT: 2.31 min Scan# 380
Delta R.T. -0.01 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion: 76 Resp: 5096
Ion Ratio Lower Upper
76 100
78 10.9 7.9 11.9

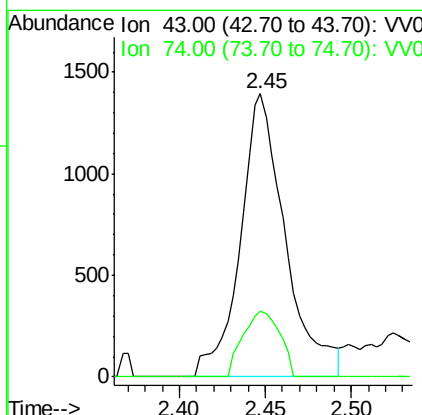
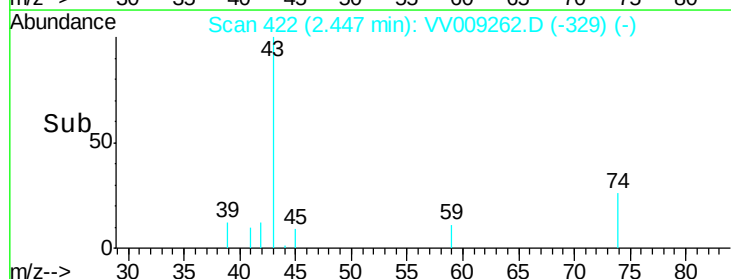
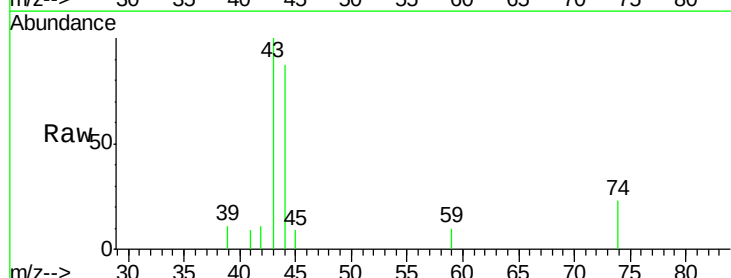
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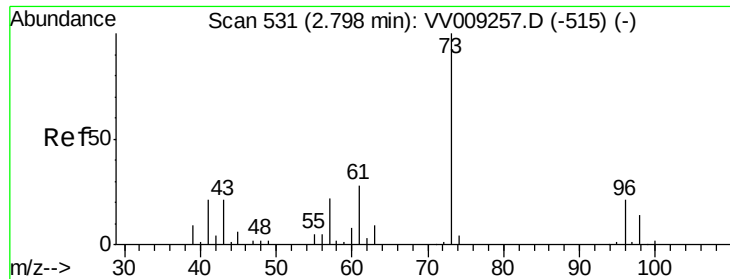
MMDadoda
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#18
Methyl Acetate
Concen: 4.178 ug/l
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion: 43 Resp: 2536
Ion Ratio Lower Upper
43 100
74 19.0 19.4 29.2#





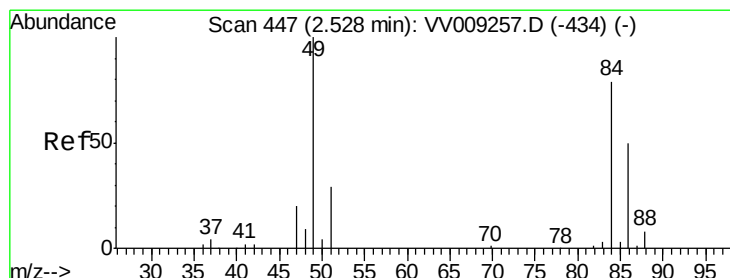
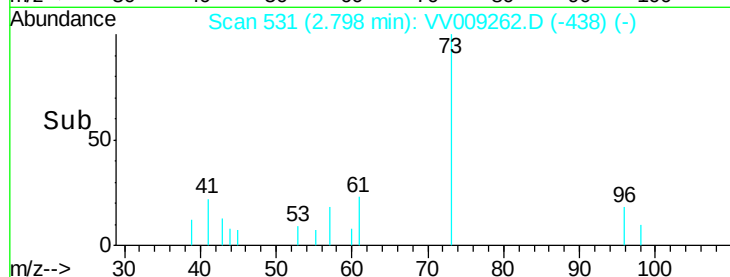
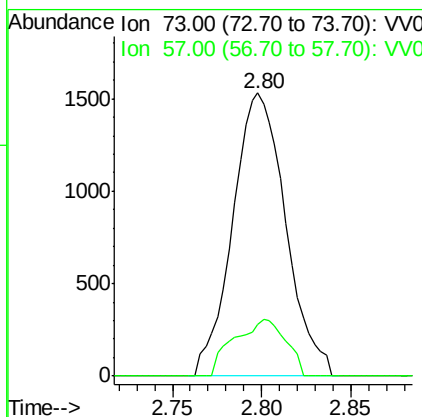
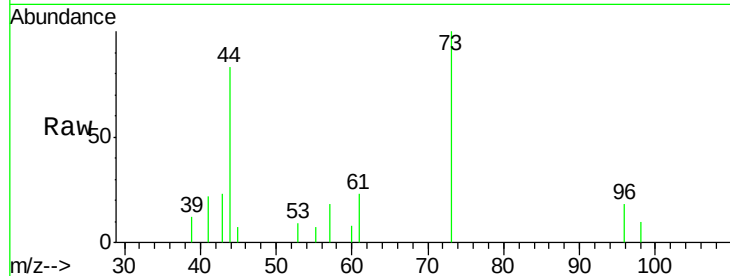
#19
Methyl tert-butyl Ether
Concen: 2.776 ug/l
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion: 73 Resp: 3177
Ion Ratio Lower Upper
73 100
57 18.2 17.3 25.9

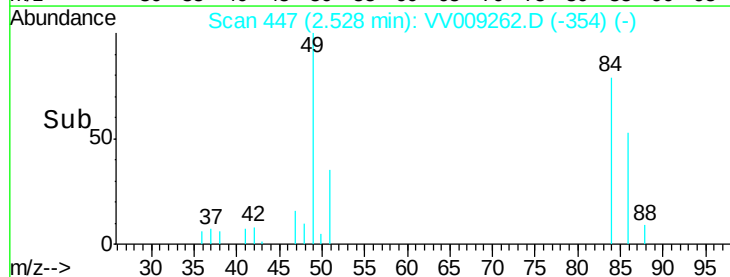
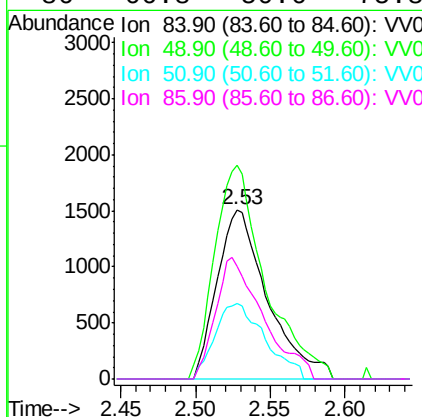
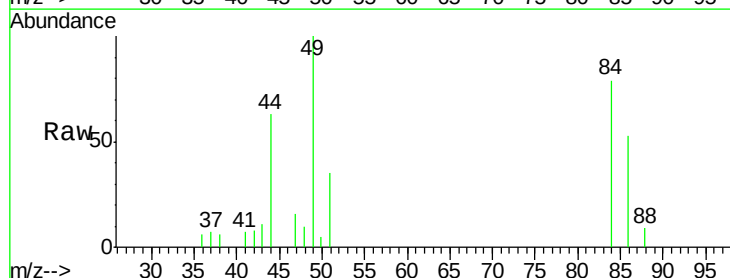
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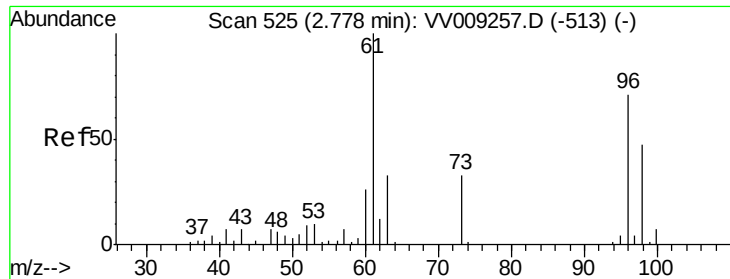
MMDadoda
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#20
Methylene Chloride
Concen: 4.304 ug/l
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion: 84 Resp: 3539
Ion Ratio Lower Upper
84 100
49 126.2 101.5 152.3
51 44.5 29.6 44.4#
86 66.8 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 2.684 ug/l

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 96 Resp: 2032

Ion Ratio Lower Upper

96 100

61 133.5 112.1 168.1

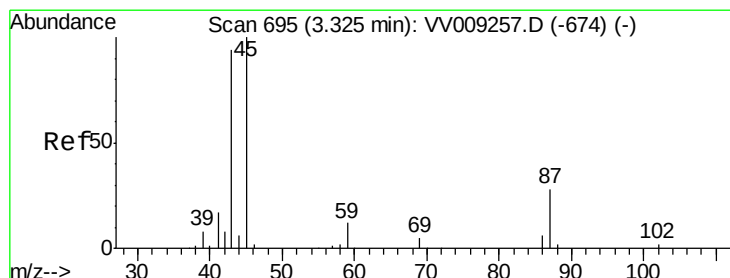
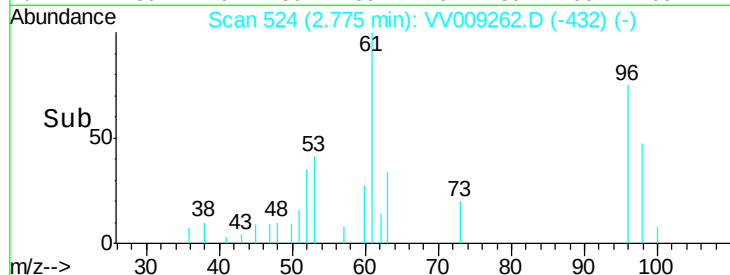
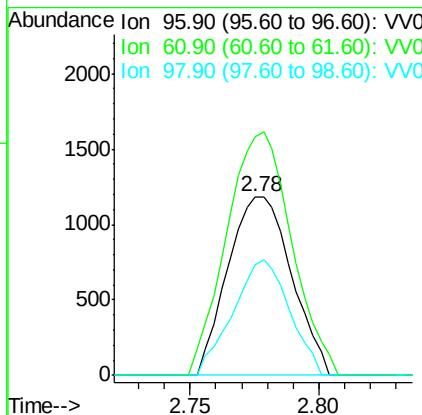
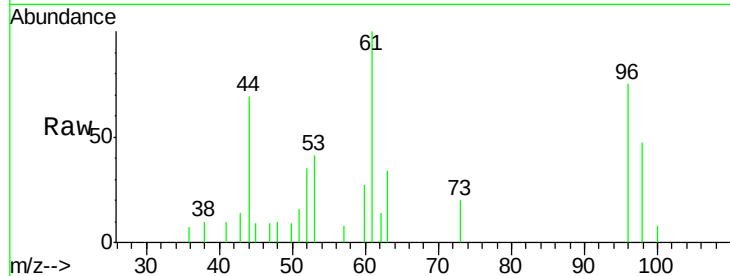
98 62.1 52.8 79.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 2.793 ug/l

RT: 3.33 min Scan# 695

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Tgt Ion: 45 Resp: 7292

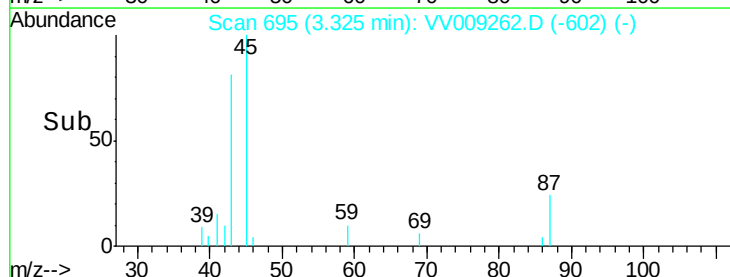
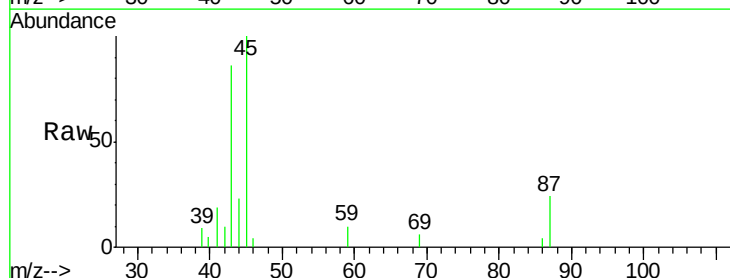
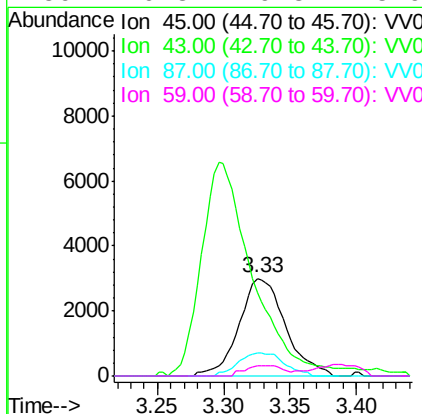
Ion Ratio Lower Upper

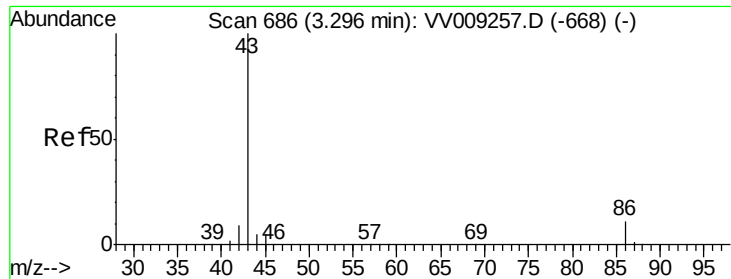
45 100

43 77.7 75.3 112.9

87 23.6 22.4 33.6

59 10.3 9.3 13.9





#23

Vinyl Acetate

Concen: 10.876 ug/l

RT: 3.30 min Scan# 686

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 17503

Ion Ratio Lower Upper

43 100

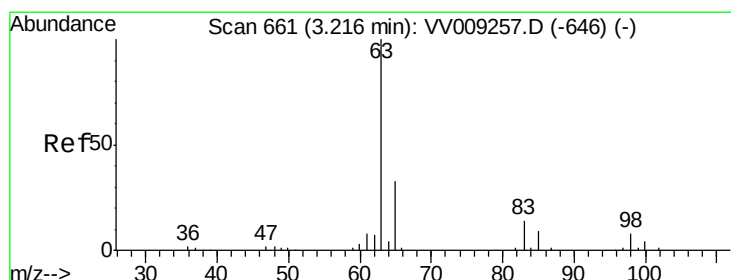
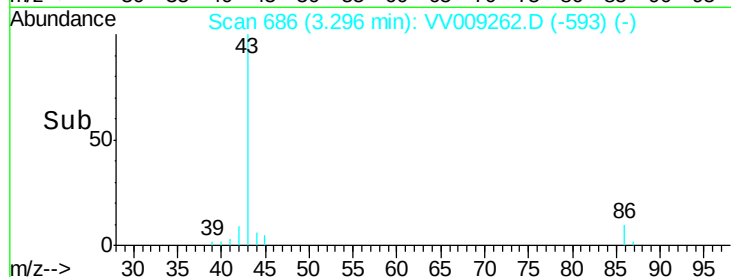
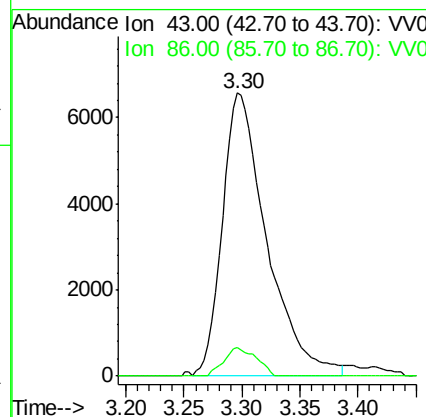
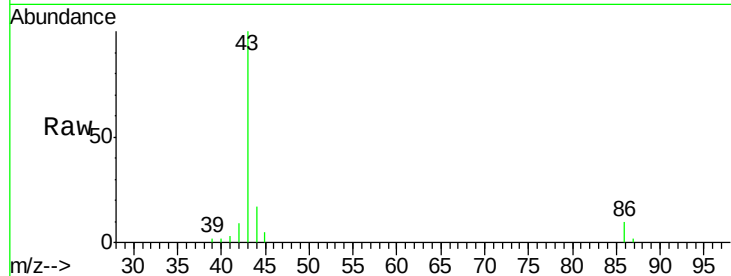
86 9.9 8.5 12.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 2.164 ug/l

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

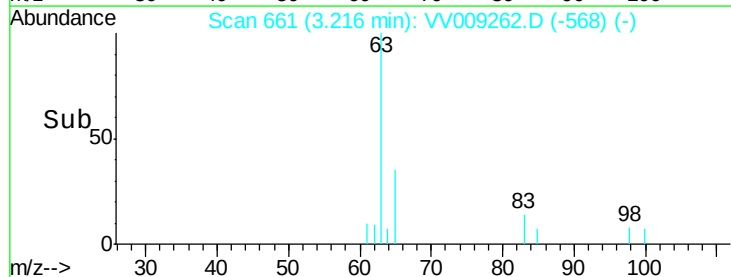
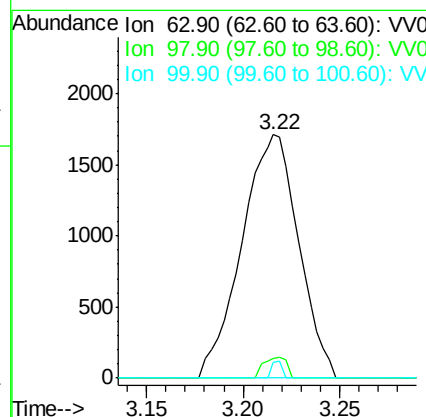
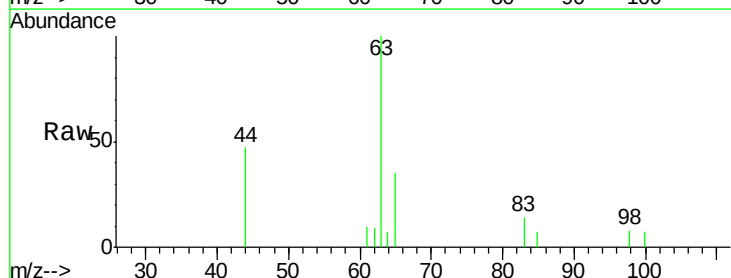
Tgt Ion: 63 Resp: 3488

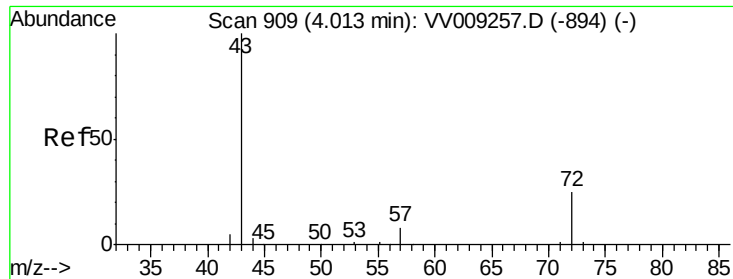
Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.4

100 6.6 2.0 6.0#





#25

2-Butanone

Concen: 12.451 ug/l

RT: 4.03 min Scan# 915

Delta R.T. 0.02 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 43 Resp: 3956

Ion Ratio Lower Upper

43 100

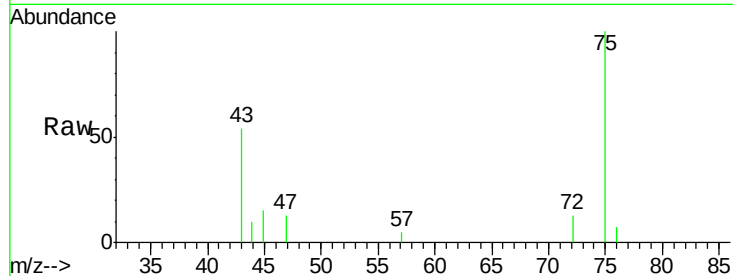
72 24.5 20.2 30.4

Manual Integrations

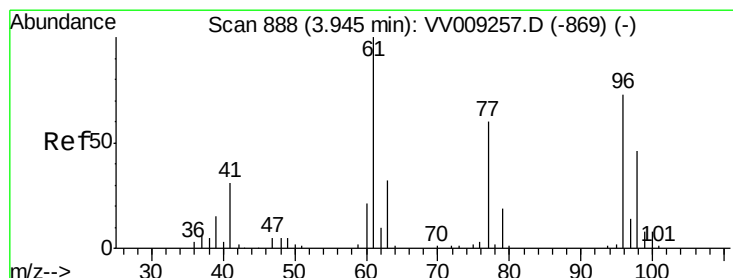
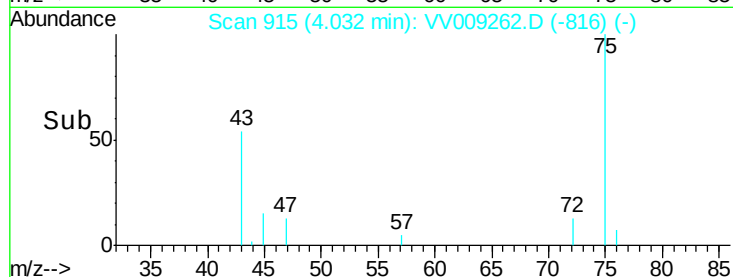
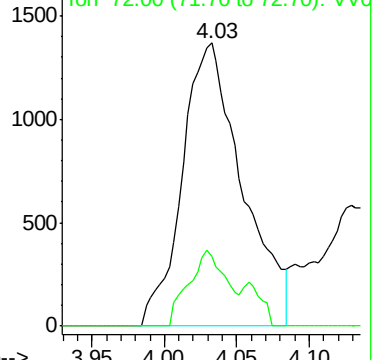
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Abundance Ion 43.00 (42.70 to 43.70): VV009262.D (-816) (-)



#26

2,2-Dichloropropane

Concen: 1.977 ug/l

RT: 3.94 min Scan# 885

Delta R.T. -0.01 min

Lab File: VV009262.D

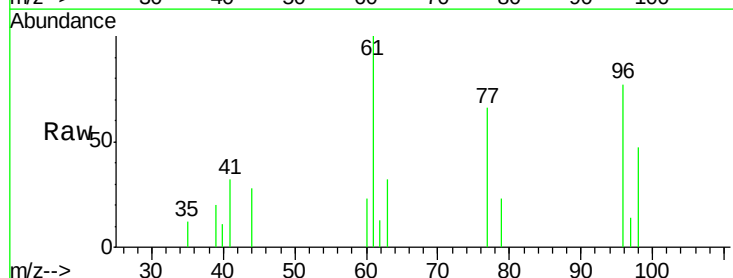
Acq: 24 Jan 2019 16:34

Tgt Ion: 77 Resp: 1616

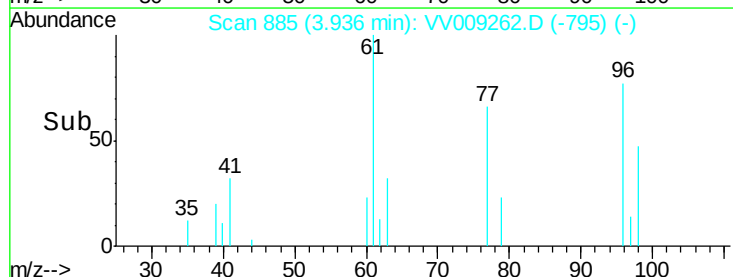
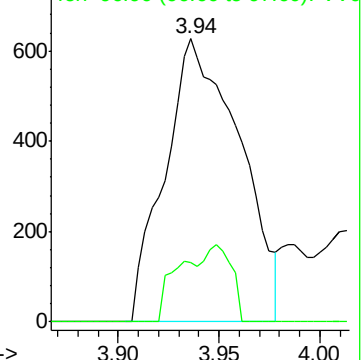
Ion Ratio Lower Upper

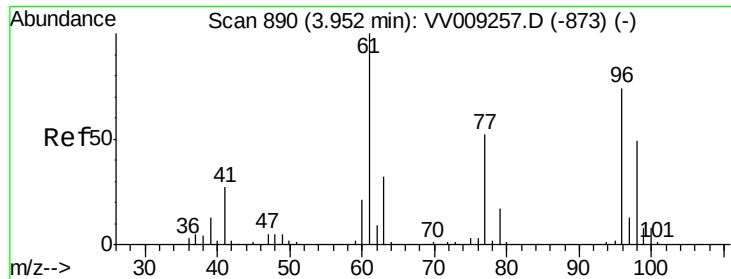
77 100

97 18.9 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VV009262.D (-795) (-)





#27

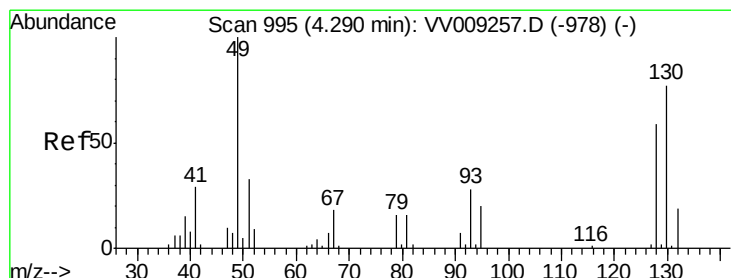
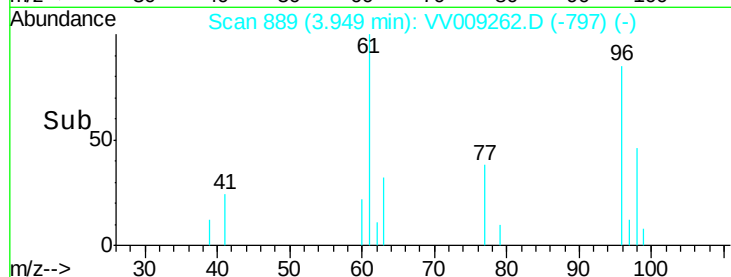
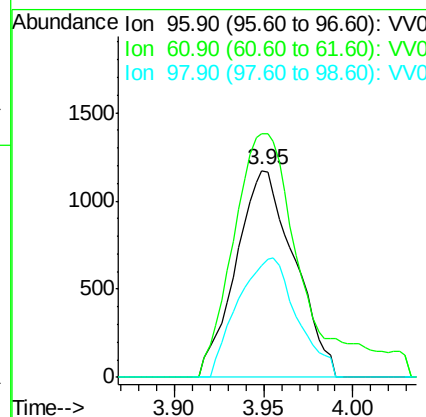
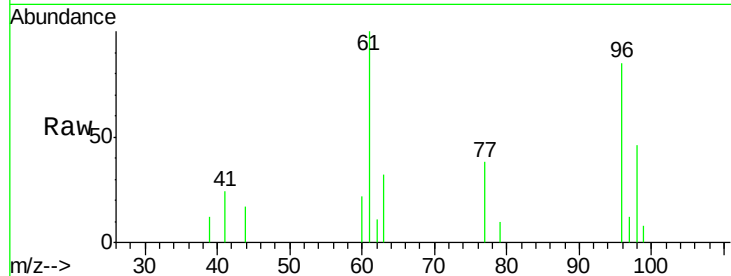
cis-1,2-Dichloroethene
Concen: 2.791 ug/l
RT: 3.95 min Scan# 889
Delta R.T. -0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	277.6
98	58.3	0.0	127.6

Manual Integrations
APPROVED

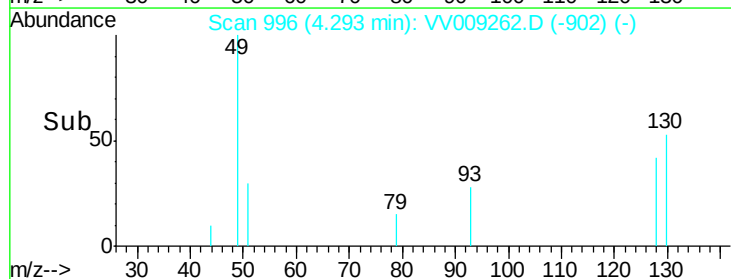
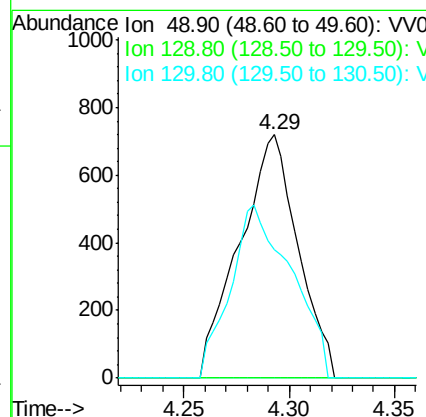
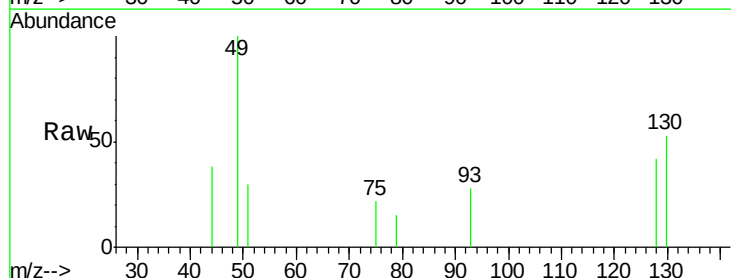
MMDadoda
1/25/2019 10:01:42 AM

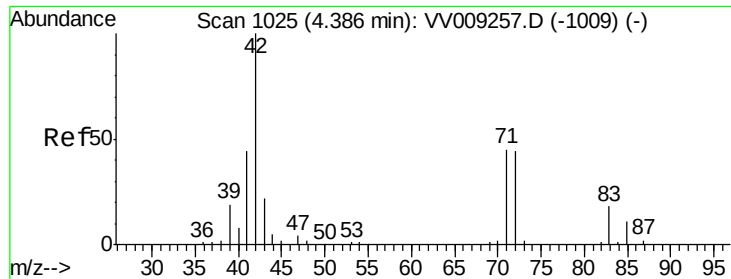


#28

Bromochloromethane
Concen: 2.152 ug/l
RT: 4.29 min Scan# 996
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	74.1	63.8	95.8





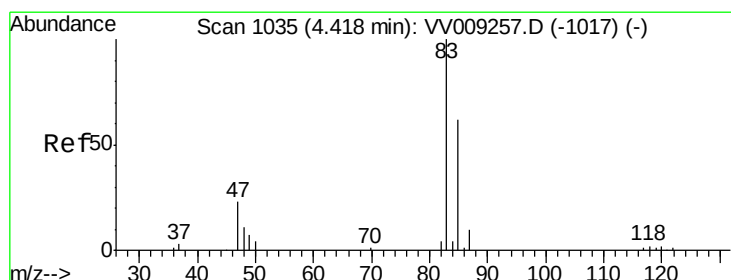
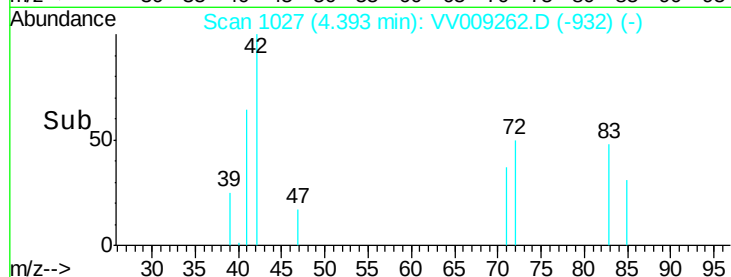
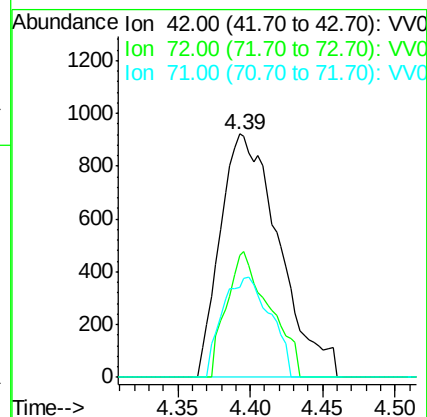
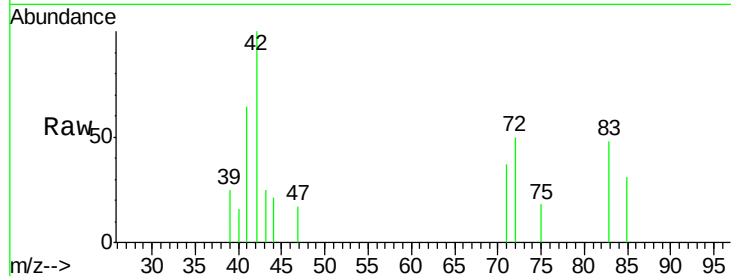
#29
Tetrahydrofuran
Concen: 14.335 ug/l
RT: 4.39 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion: 42 Resp: 2596
Ion Ratio Lower Upper
42 100
72 37.6 36.0 54.0
71 33.4 33.3 49.9

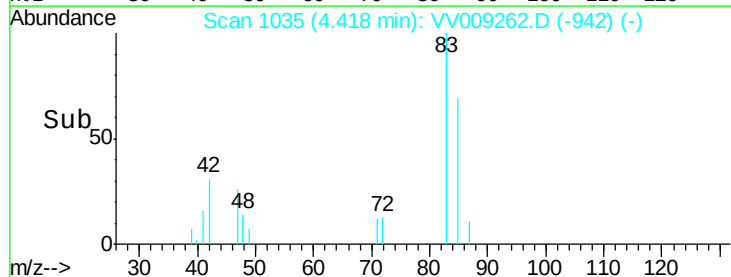
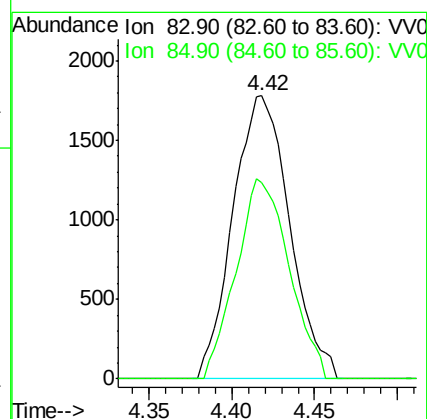
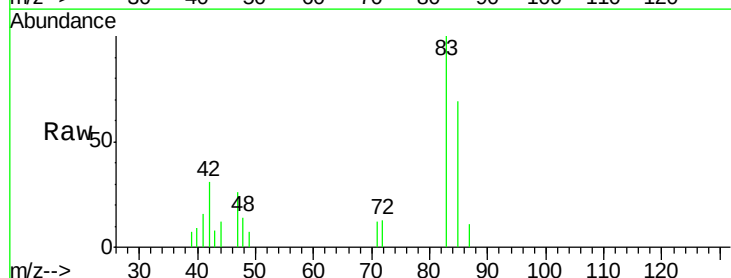
Manual Integrations
APPROVED

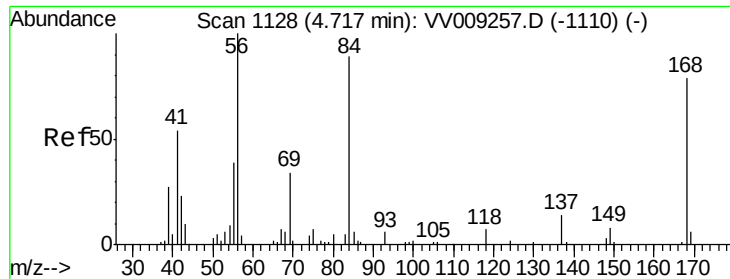
MMDadoda
1/25/2019 10:01:42 AM



#30
Chloroform
Concen: 2.610 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion: 83 Resp: 4228
Ion Ratio Lower Upper
83 100
85 69.4 49.9 74.9





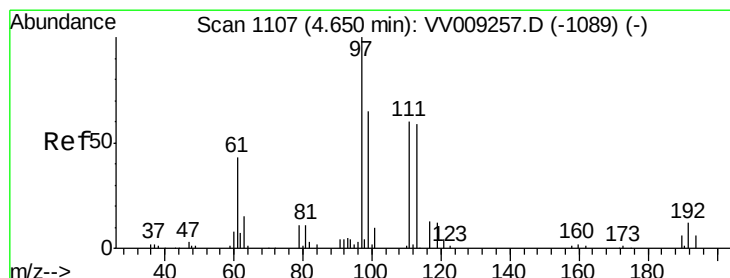
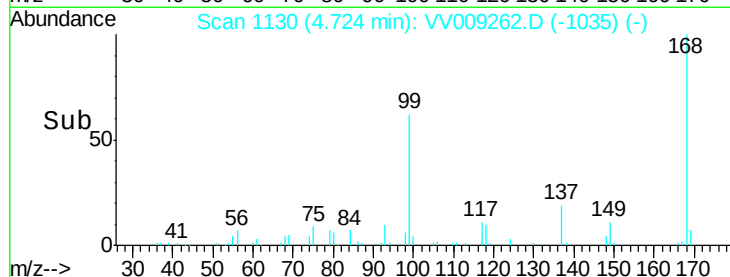
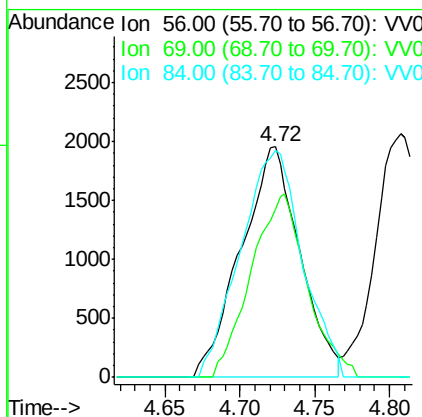
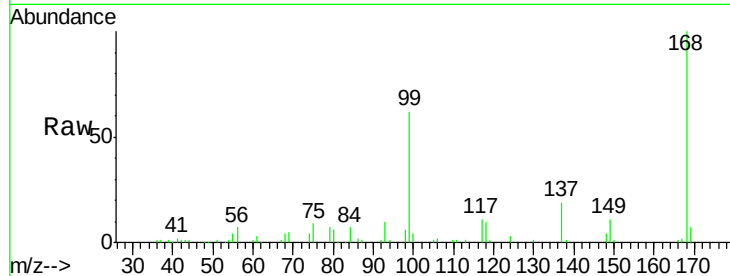
#31
Cyclohexane
Concen: 3.598 ug/l
RT: 4.72 min Scan# 1130
Delta R.T. 0.01 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
56	100		
69	72.8	27.5	41.3#
84	98.3	70.9	106.3

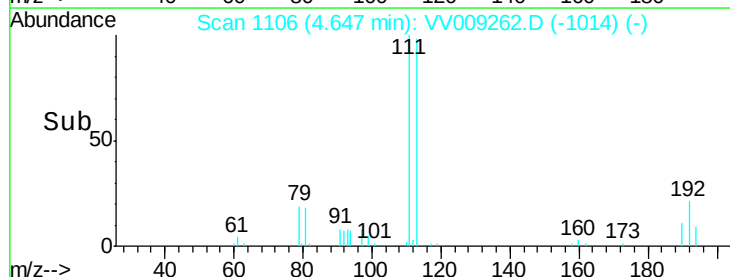
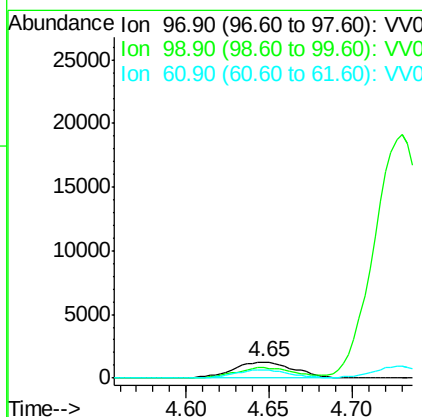
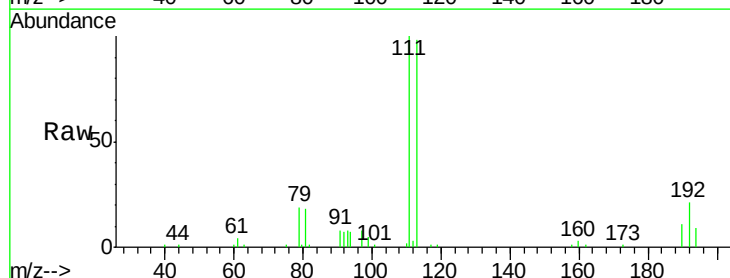
Manual Integrations
APPROVED

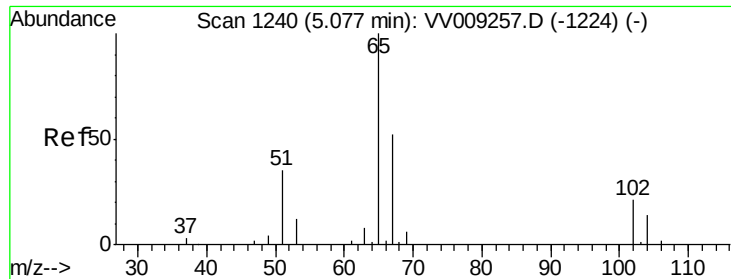
MMDadoda
1/25/2019 10:01:42 AM



#32
1,1,1-Trichloroethane
Concen: 2.543 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	49.8	74.8
61	45.6	33.4	50.0





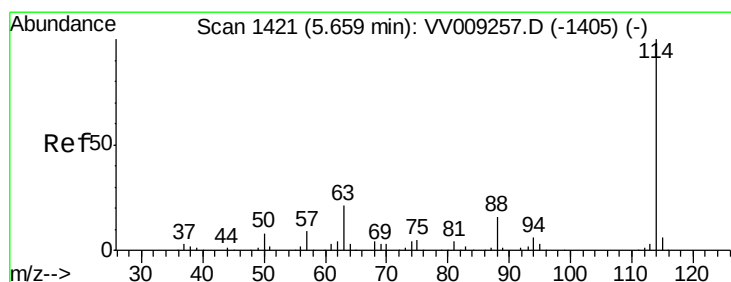
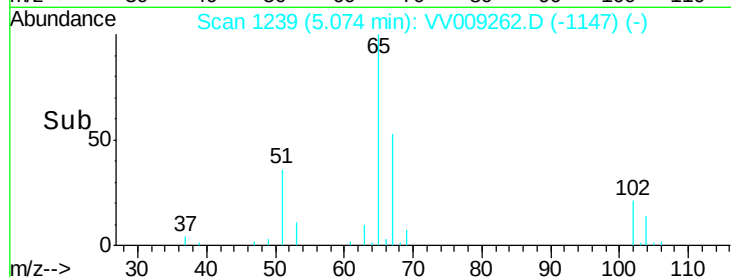
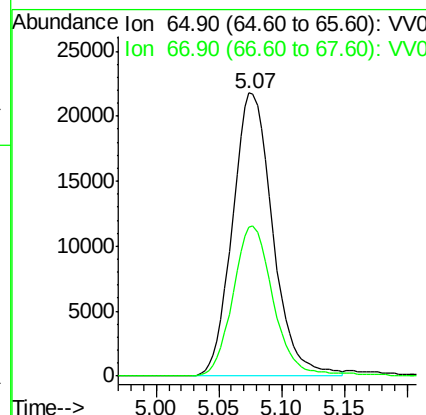
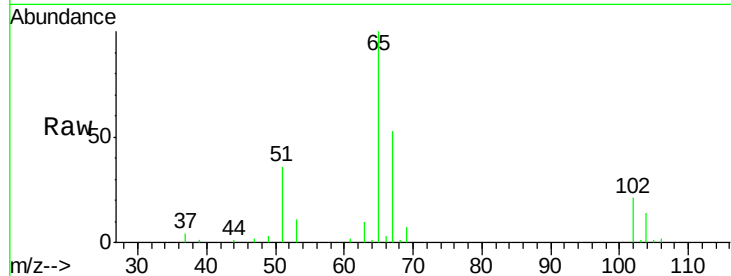
#33
 1,2-Dichloroethane-d4
 Concen: 54.883 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VV009262.D
 Acq: 24 Jan 2019 16:34

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	105.6

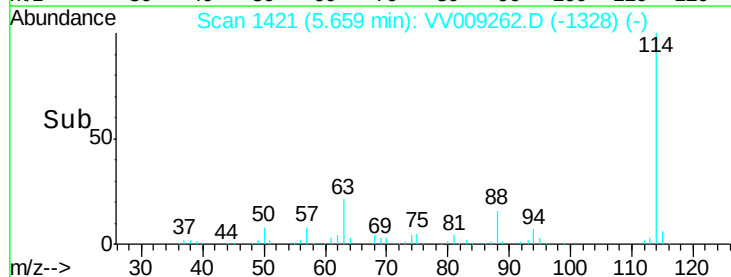
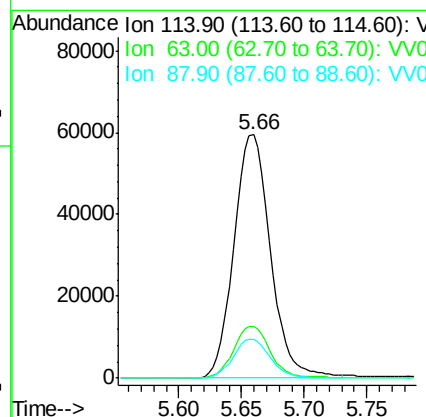
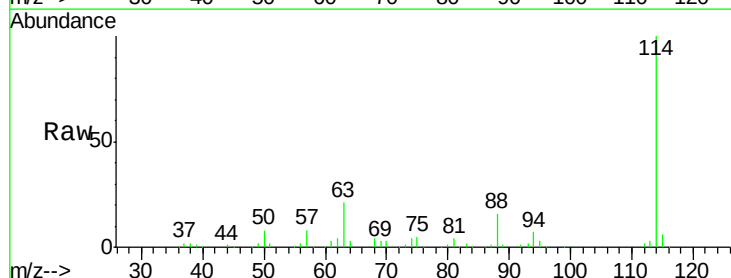
Manual Integrations
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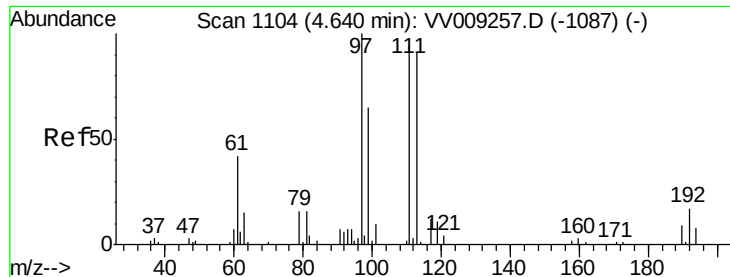
MMDadoda
 1/25/2019 10:01:42 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: VV009262.D
 Acq: 24 Jan 2019 16:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	41.4
88	15.7	0.0	33.0





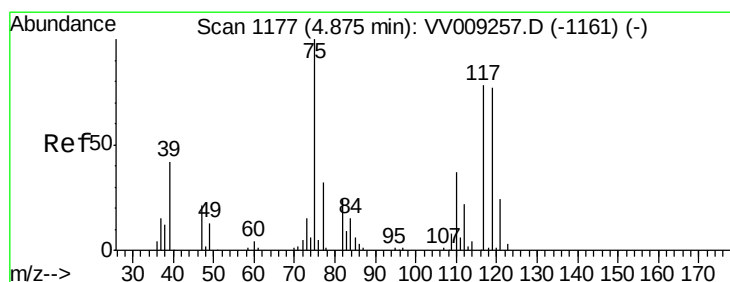
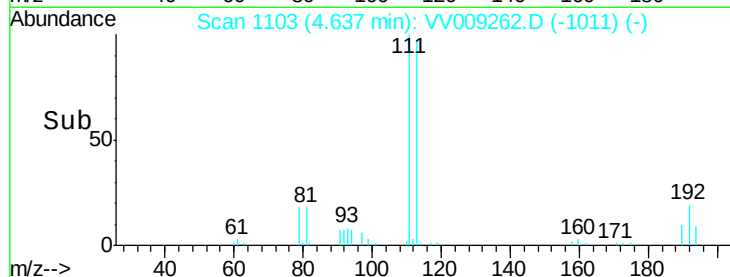
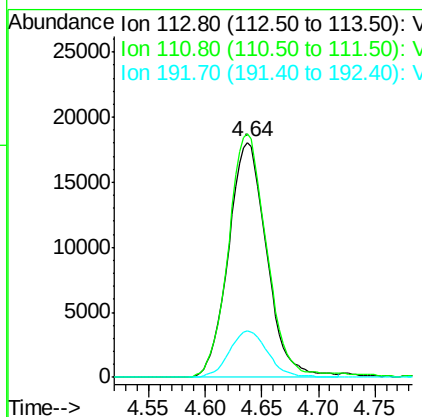
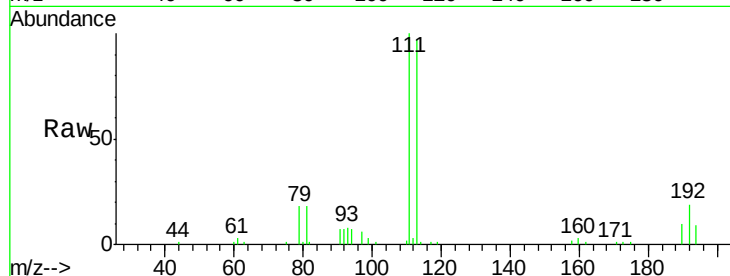
#35
Dibromofluoromethane
Concen: 53.372 ug/l
RT: 4.64 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.3	123.5
192	19.8	15.0	22.6

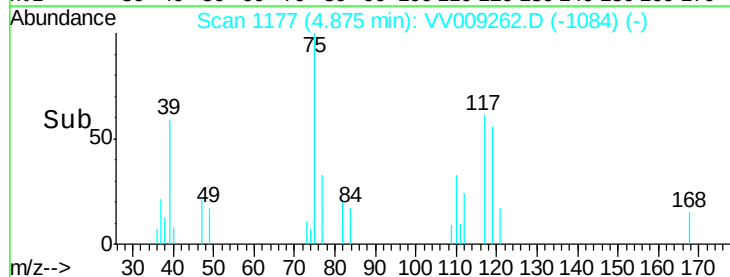
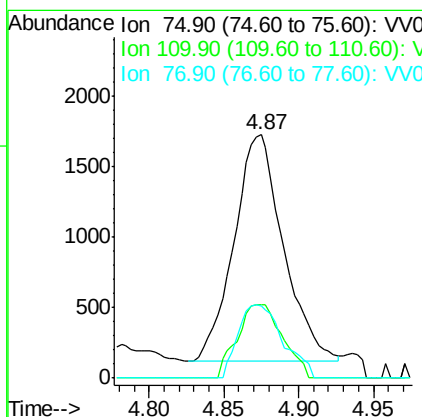
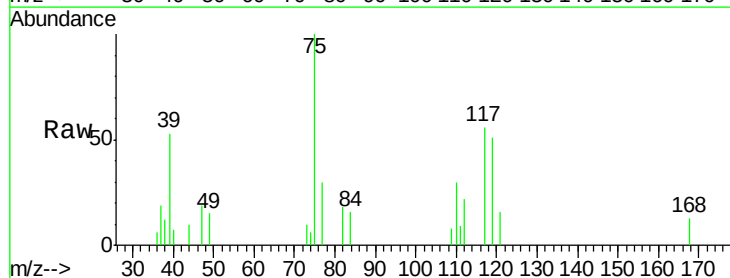
Manual Integrations
APPROVED

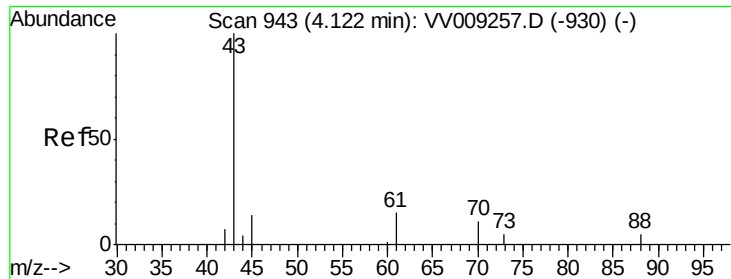
MMDadoda
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#36
1,1-Dichloropropene
Concen: 3.052 ug/l
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.8	17.6	52.9
77	29.4	25.5	38.3





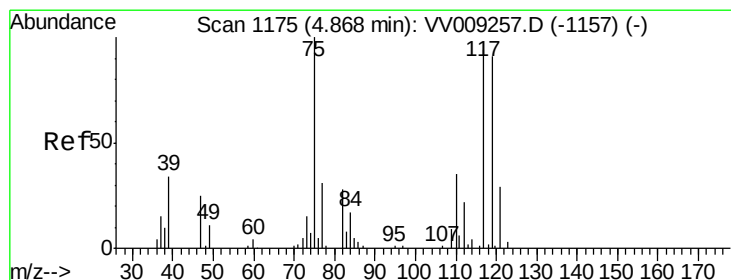
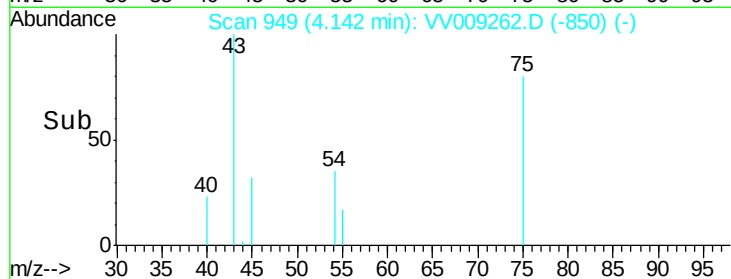
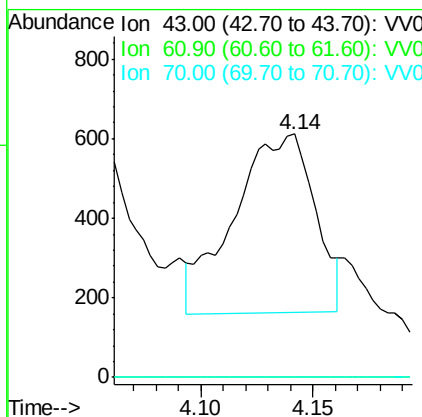
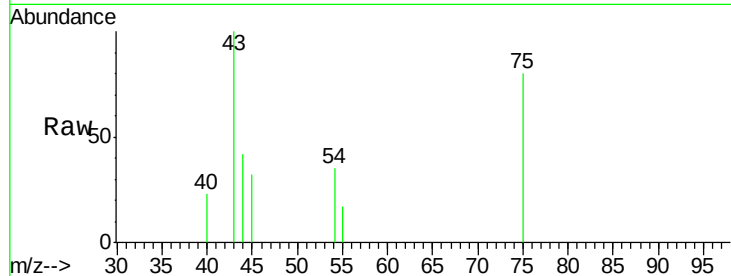
#37
Ethyl Acetate
Concen: 4.872 ug/l m
RT: 4.14 min Scan# 949
Delta R.T. 0.02 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	15.8#
70	0.0	8.0	12.0#

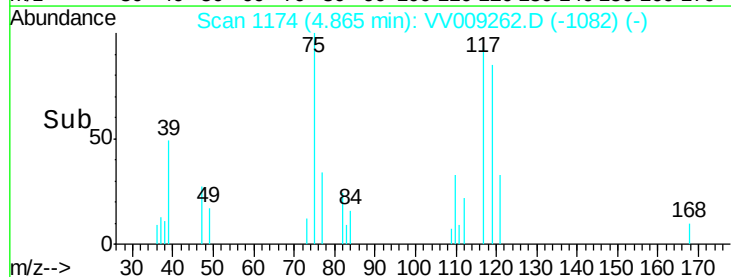
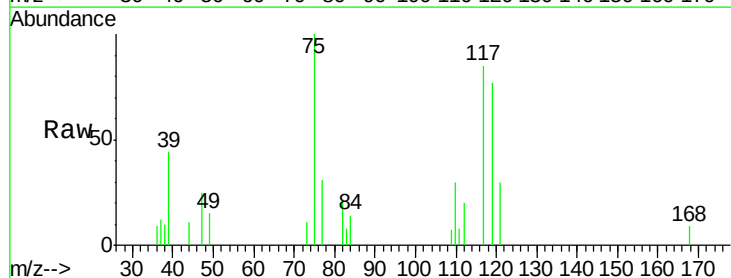
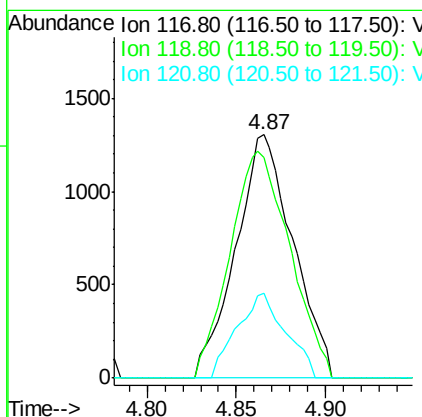
Manual Integrations
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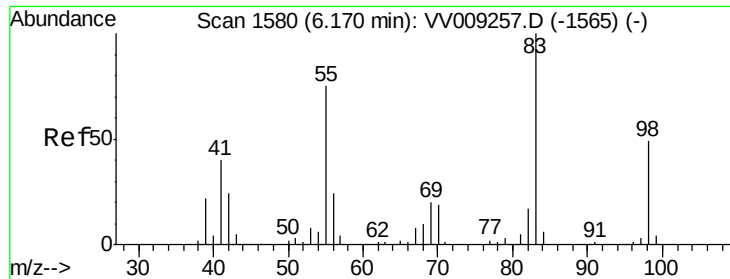
MMDadoda
1/25/2019 10:01:42 AM



#38
Carbon Tetrachloride
Concen: 2.435 ug/l
RT: 4.87 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.4	77.4	116.2
121	35.1	24.8	37.2





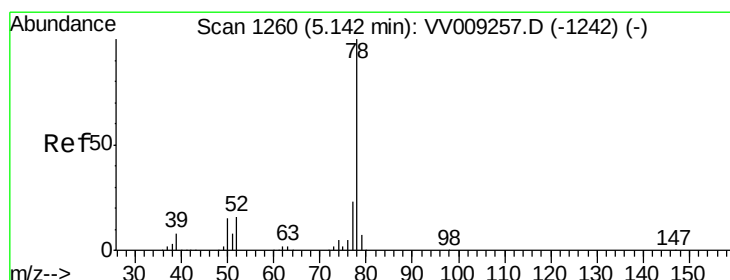
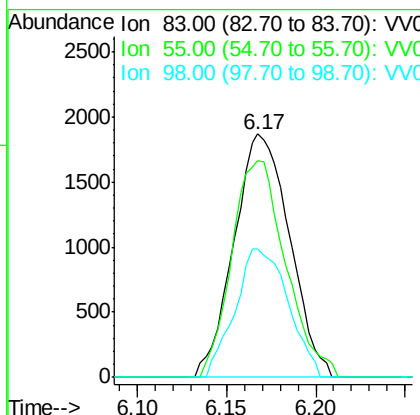
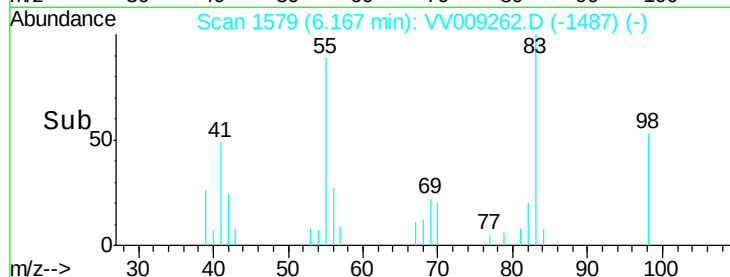
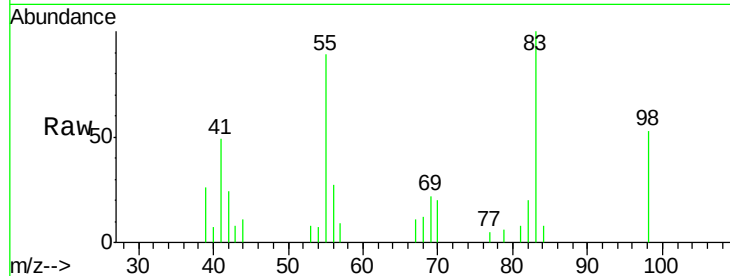
#39
Methylvlcyclohexane
Concen: 2.684 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. -0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.9	60.1	90.1
98	52.6	39.2	58.8

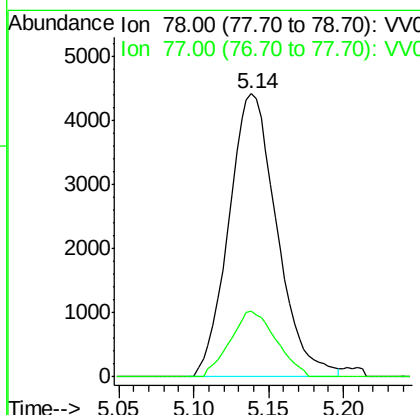
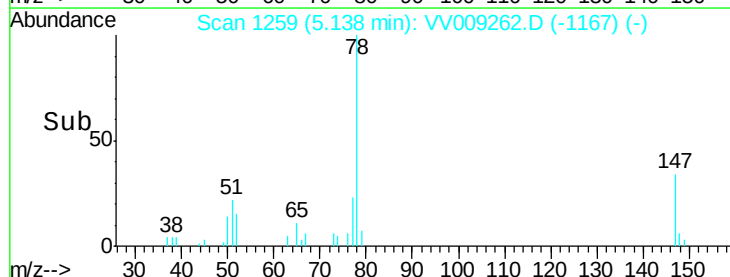
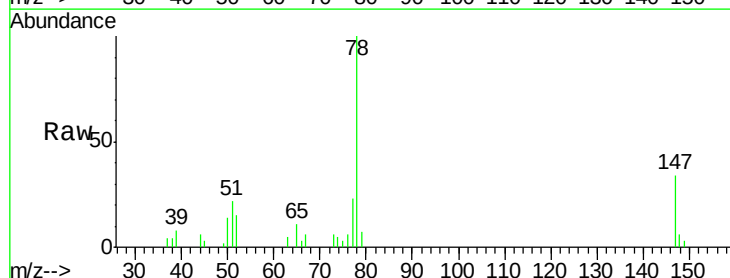
Manual Integrations
APPROVED

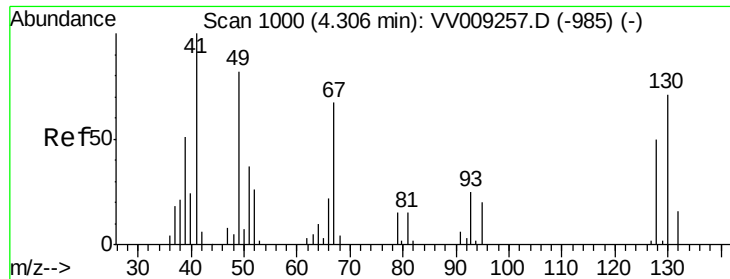
MMDadoda
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#40
Benzene
Concen: 2.773 ug/l
RT: 5.14 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	27.8





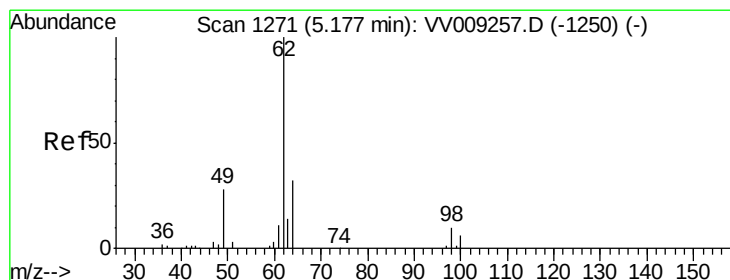
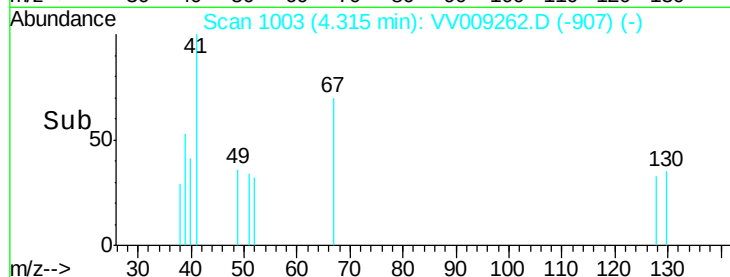
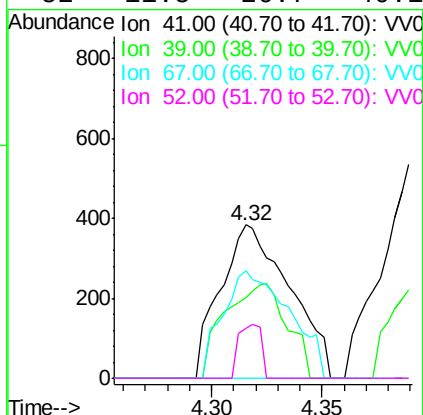
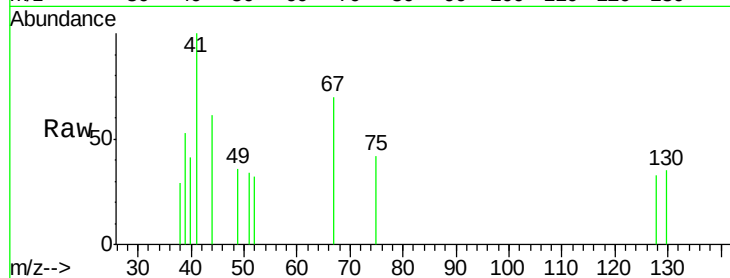
#41
Methacrylonitrile
Concen: 2.375 ug/l
RT: 4.32 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.3	42.3	63.5
67	67.3	57.4	86.2
52	11.5	26.7	40.1

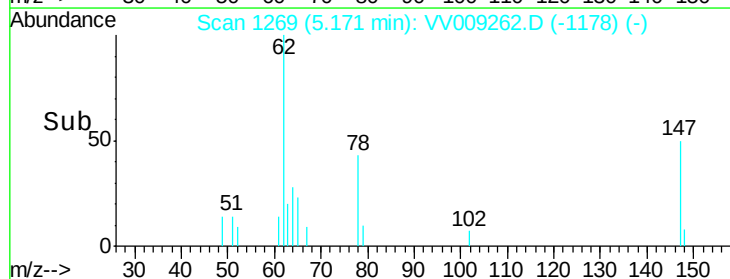
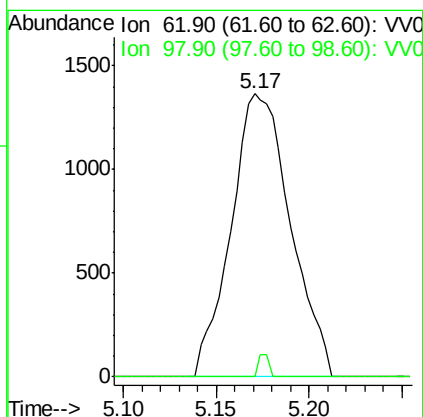
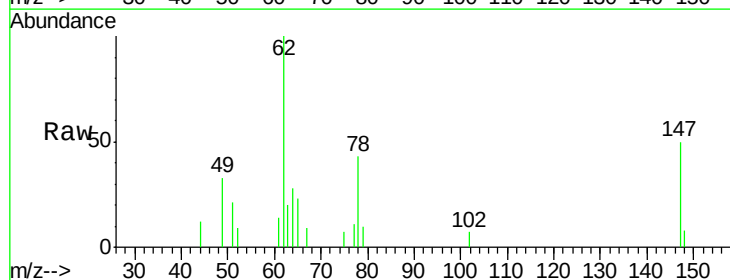
Manual Integrations
APPROVED

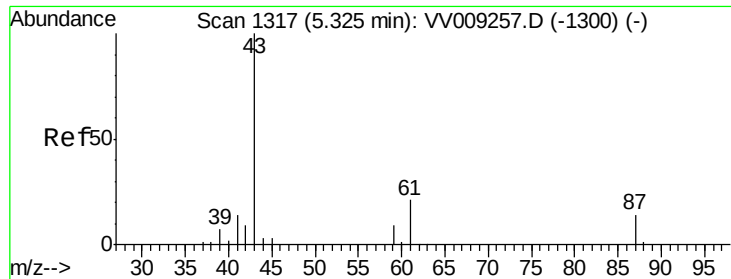
MMDadoda
1/25/2019 10:01:42 AM



#42
1,2-Dichloroethane
Concen: 2.748 ug/l
RT: 5.17 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	1.3	0.0	19.2





#43

Isopropyl Acetate

Concen: 2.580 ug/l

RT: 5.33 min Scan# 1320

Delta R.T. 0.01 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

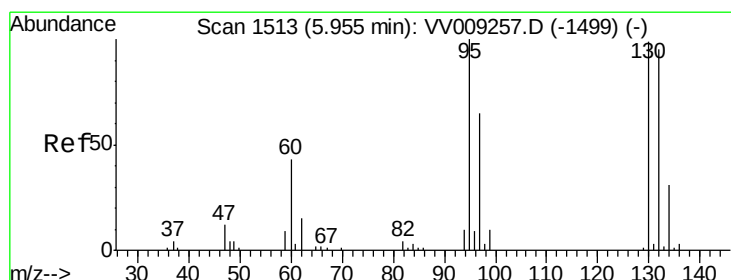
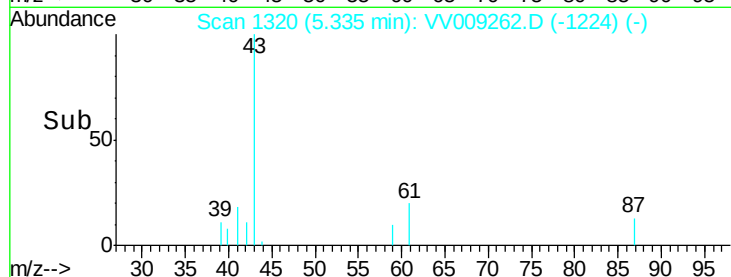
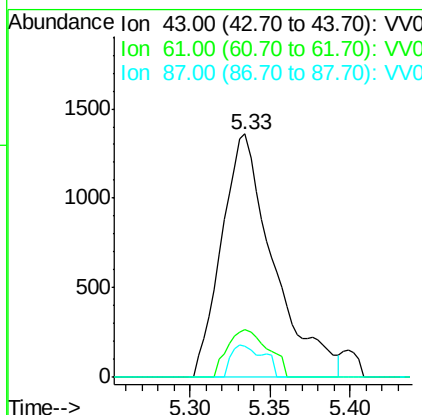
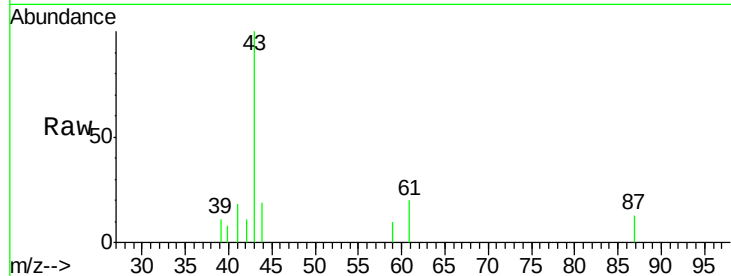
ClientSampleId :

MDL06

Tot Ion:	43	Resp:	3023
Ion	Ratio	Lower	Upper
43	100		
61	15.3	15.8	23.6#
87	8.1	10.1	15.1#

Manual Integrations
APPROVED

MMDadoda
1/25/2019 10:01:42 AM



#44

Trichloroethene

Concen: 2.797 ug/l

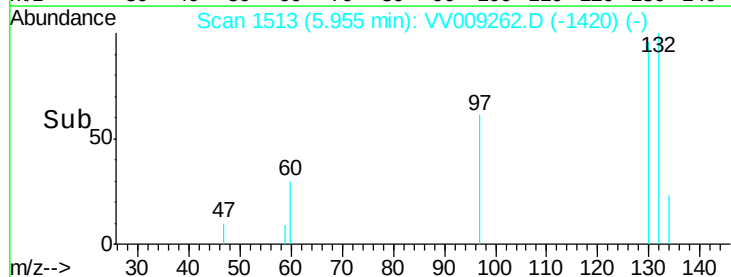
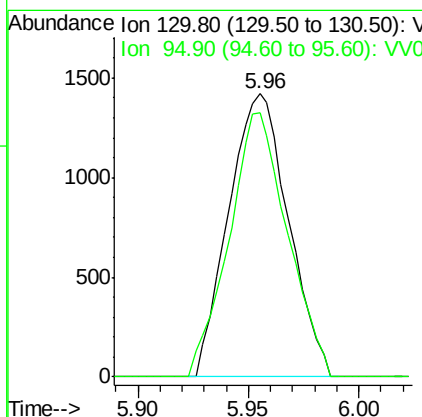
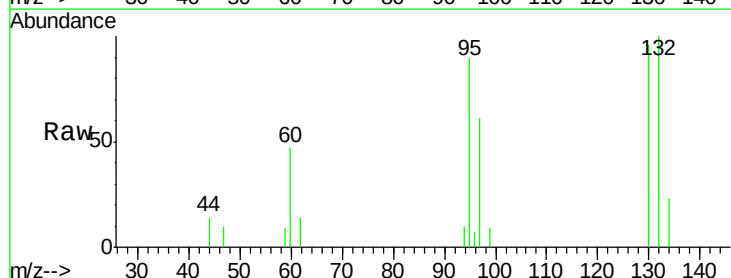
RT: 5.96 min Scan# 1513

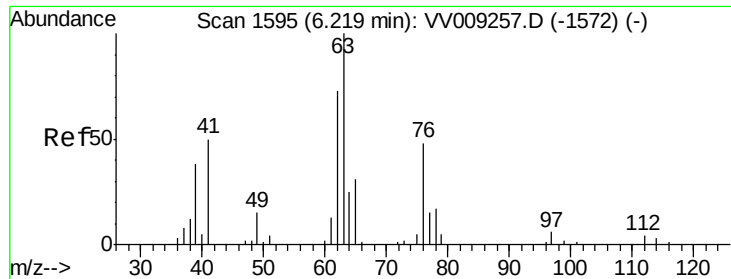
Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Tgt Ion:	130	Resp:	2660
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	201.4





#45

1,2-Dichloropropane

Concen: 2.679 ug/l

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 63 Resp: 2350

Ion Ratio Lower Upper

63 100

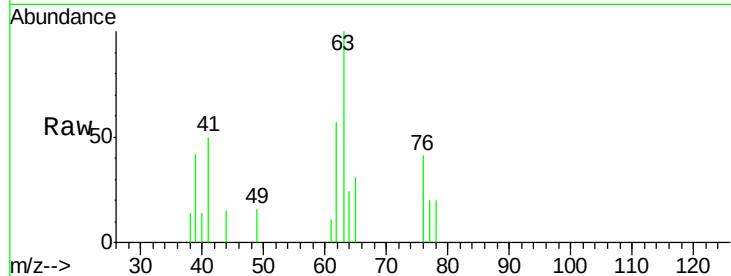
65 30.8 25.4 38.2

Manual Integrations

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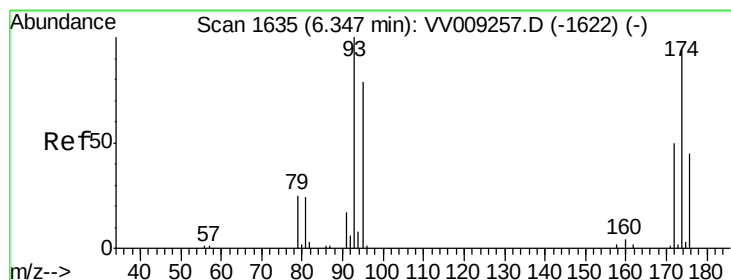
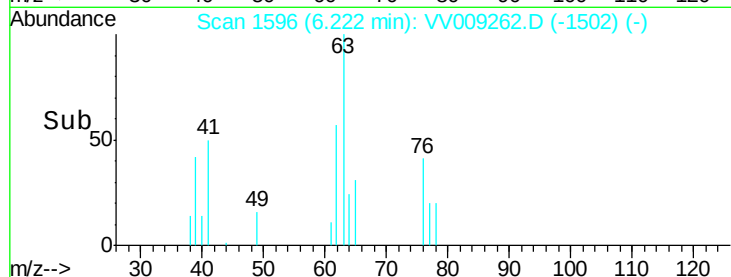
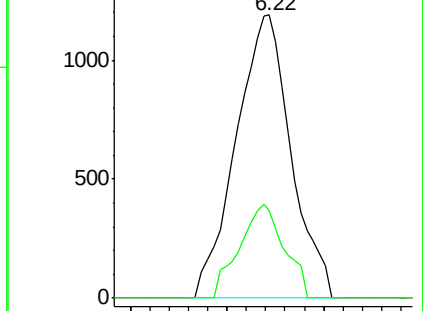
MMDadoda

1/25/2019 10:01:42 AM



Abundance Ion 62.90 (62.60 to 63.60): VV009262.D (-1502) (-)

Ion 64.90 (64.60 to 65.60): VV009262.D (-1502) (-)



#46

Dibromomethane

Concen: 2.372 ug/l

RT: 6.35 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

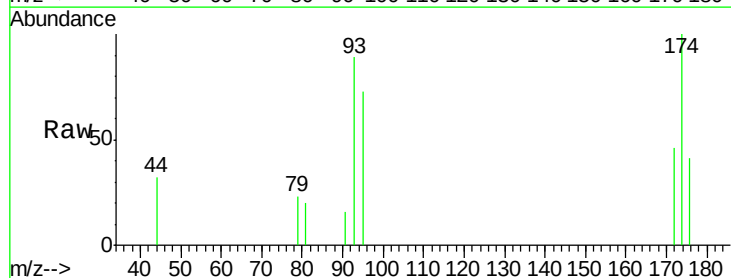
Tgt Ion: 93 Resp: 1166

Ion Ratio Lower Upper

93 100

95 88.3 65.3 97.9

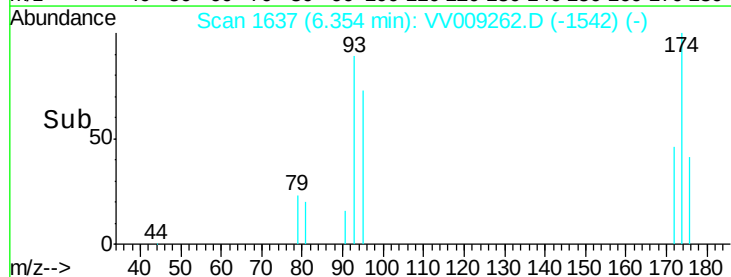
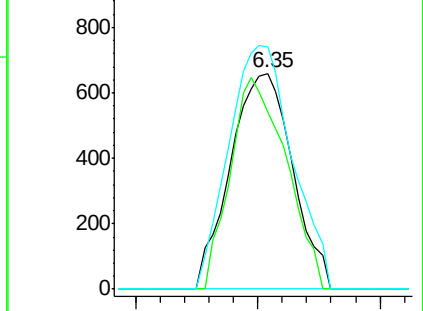
174 115.7 77.0 115.4#

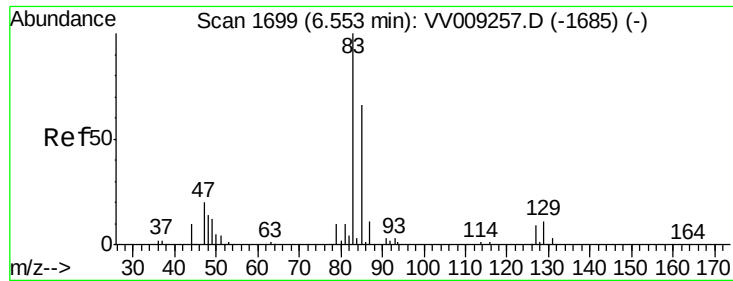


Abundance Ion 92.80 (92.50 to 93.50): VV009262.D (-1542) (-)

Ion 94.80 (94.50 to 95.50): VV009262.D (-1542) (-)

Ion 173.70 (173.40 to 174.40): VV009262.D (-1542) (-)





#47

Bromodichloromethane

Concen: 2.533 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

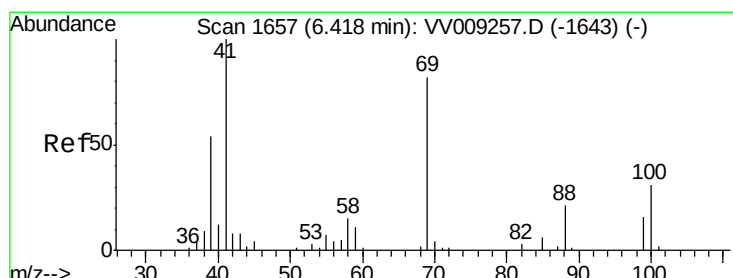
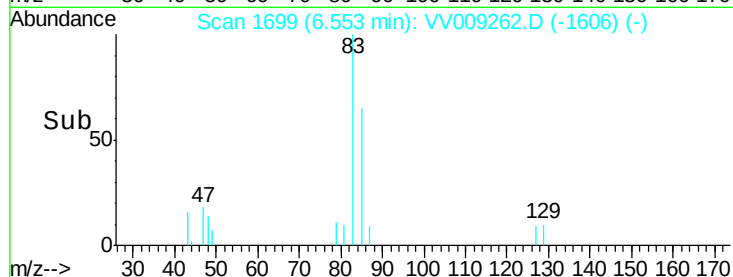
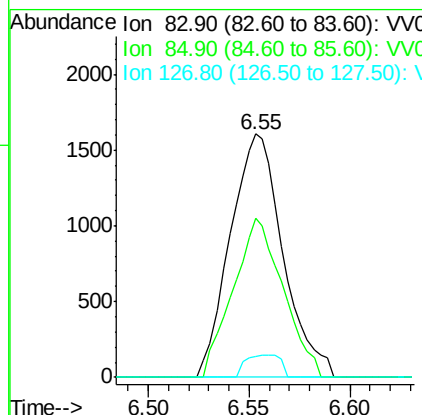
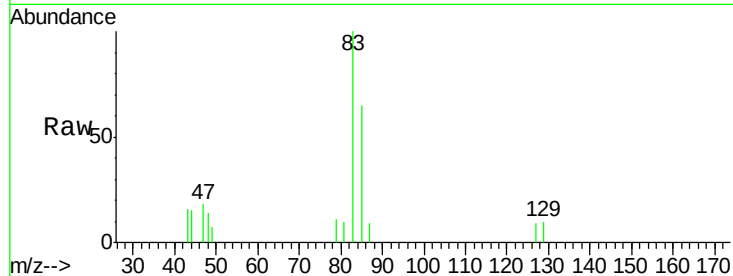
ClientSampleId :

MDL06

Tot Ion:	83	Resp:	2928
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.6	79.0
127	8.6	7.0	10.6

Manual Integrations
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MMDadoda
1/25/2019 10:01:42 AM



#48

Methyl methacrylate

Concen: 2.305 ug/l

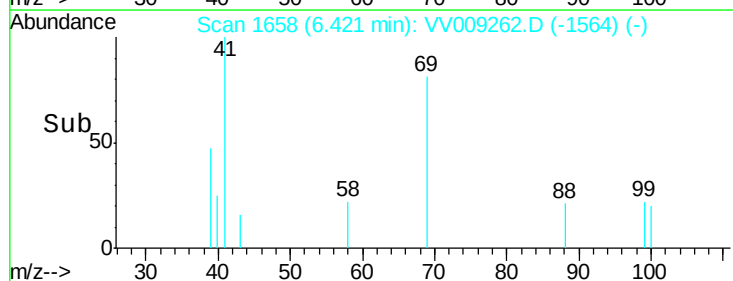
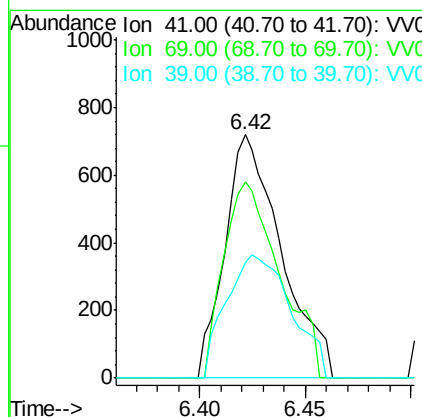
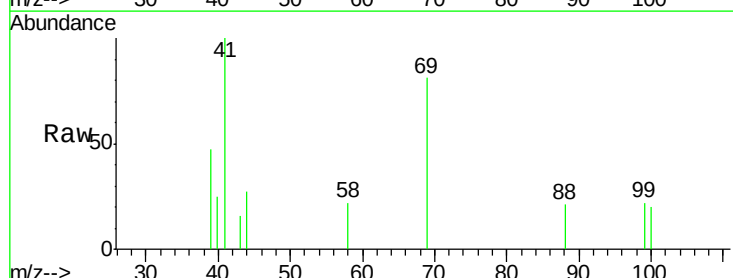
RT: 6.42 min Scan# 1658

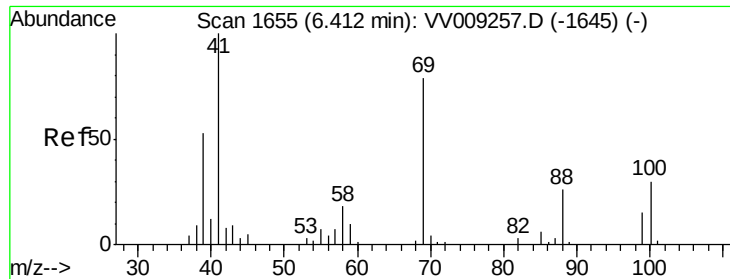
Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Tgt Ion:	41	Resp:	1340
Ion	Ratio	Lower	Upper
41	100		
69	79.9	68.6	103.0
39	57.9	43.2	64.8





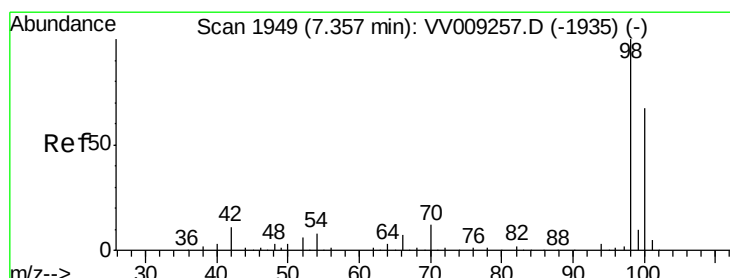
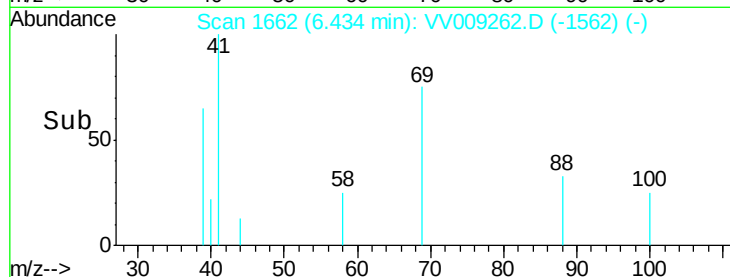
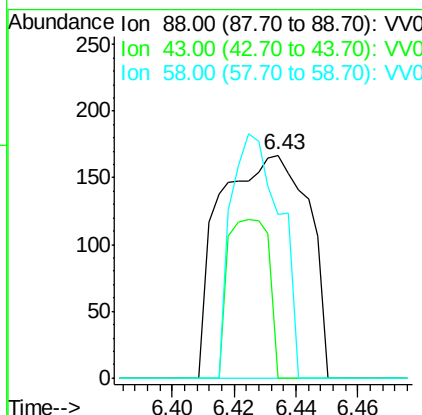
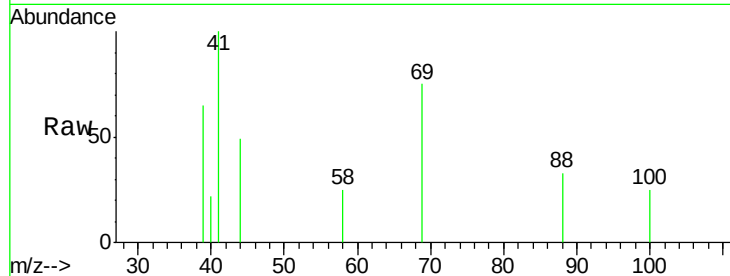
#49
1,4-Dioxane
Concen: 42.919 ug/l
RT: 6.43 min Scan# 1662
Delta R.T. 0.02 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	28.3	42.5
58	60.4	50.0	75.0

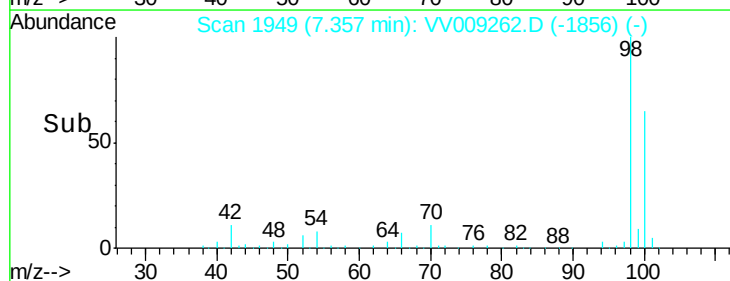
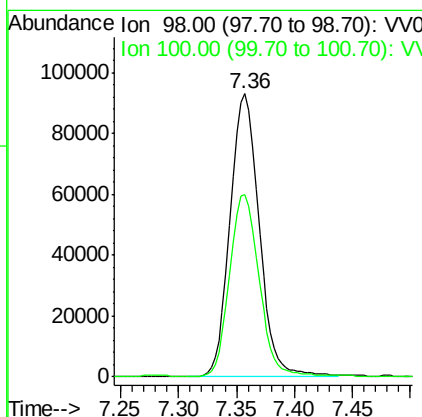
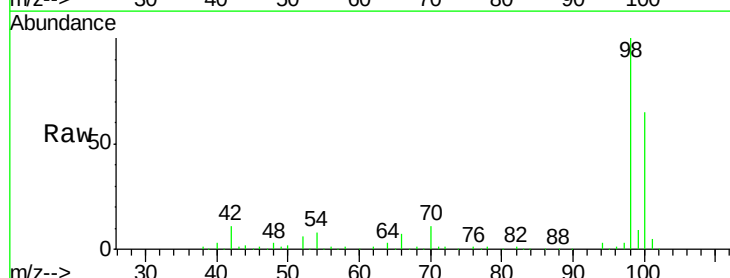
Manual Integrations
APPROVED

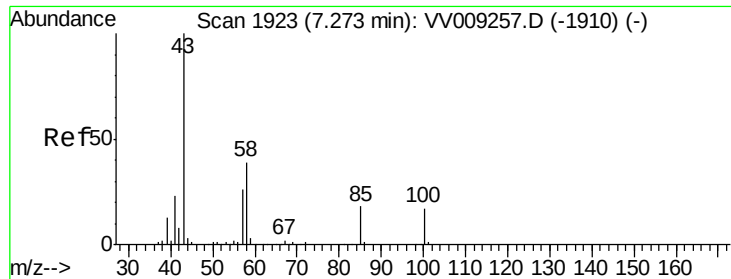
MMDadoda
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#50
Toluene-d8
Concen: 53.485 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.2	79.8





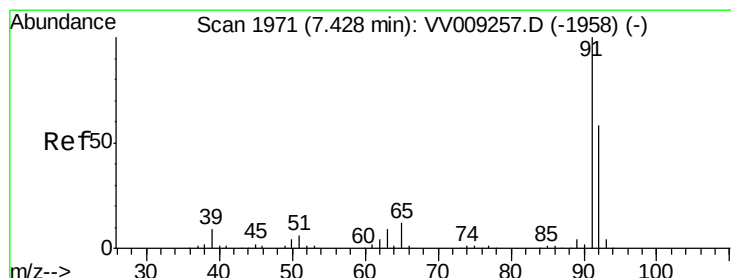
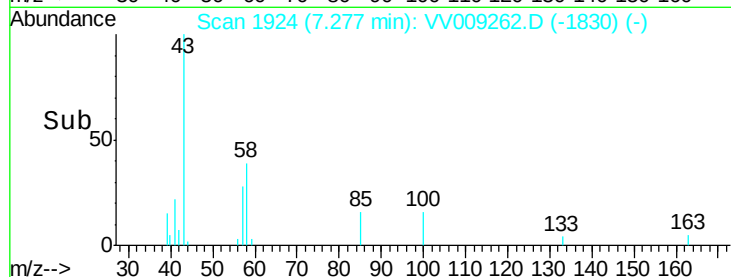
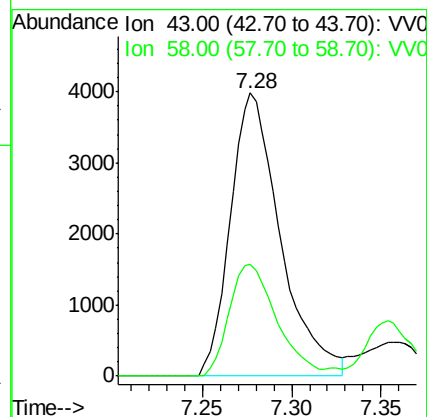
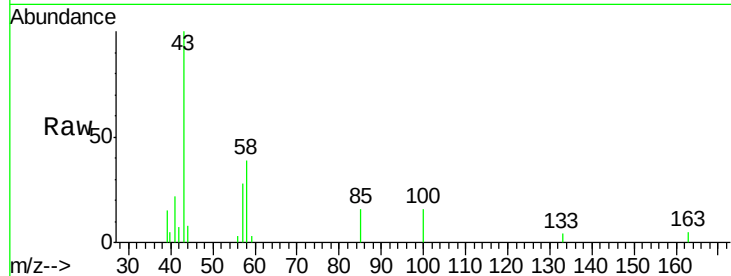
#51
4-Methyl-2-Pentanone
Concen: 12.612 ug/l
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion: 43 Resp: 7778
Ion Ratio Lower Upper
43 100
58 37.4 30.5 45.7

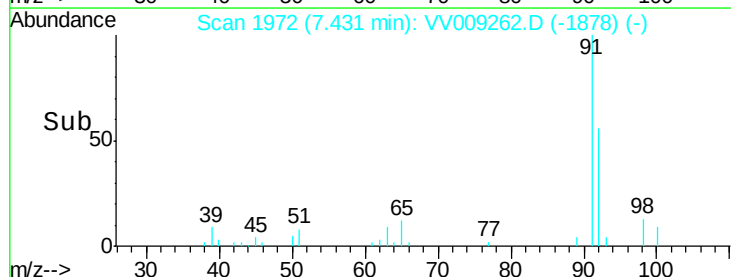
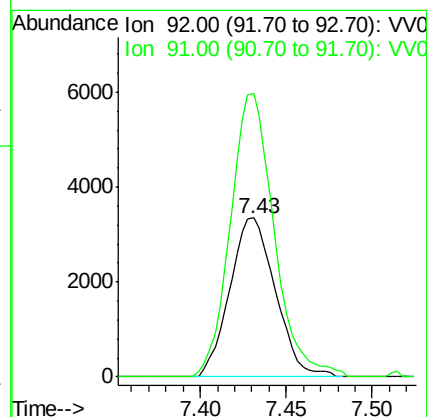
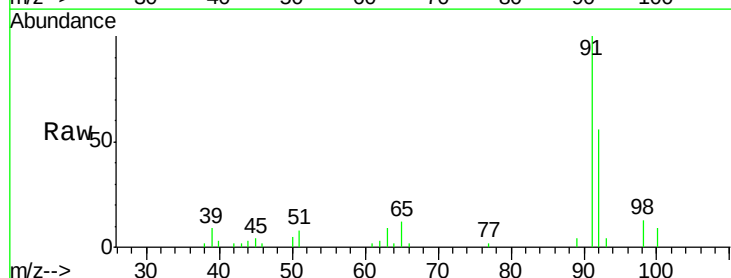
Manual Integrations
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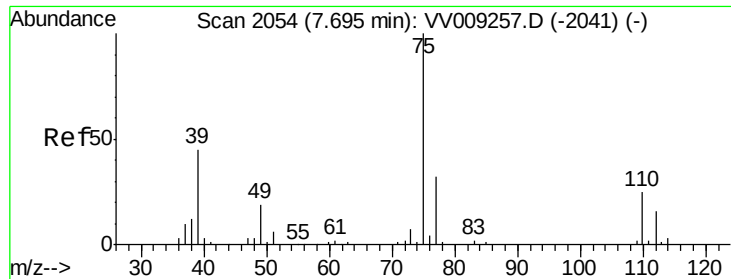
MMDadoda
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#52
Toluene
Concen: 2.758 ug/l
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion: 92 Resp: 6207
Ion Ratio Lower Upper
92 100
91 170.6 137.2 205.8





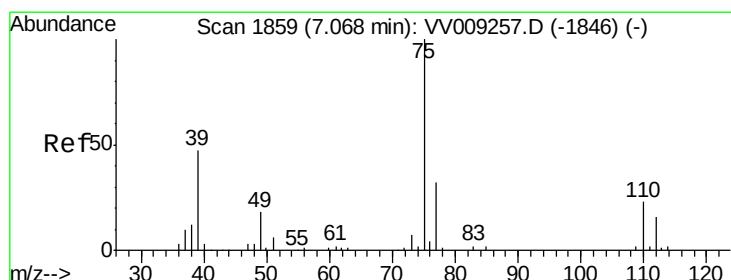
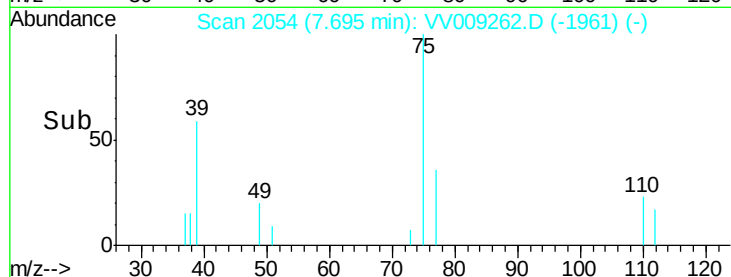
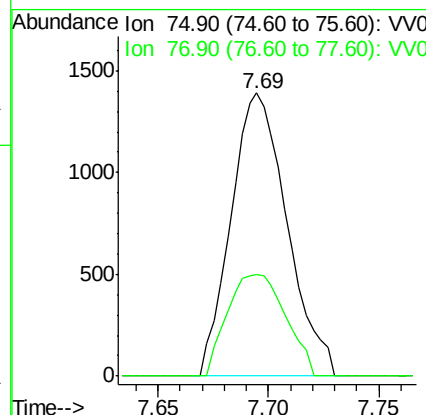
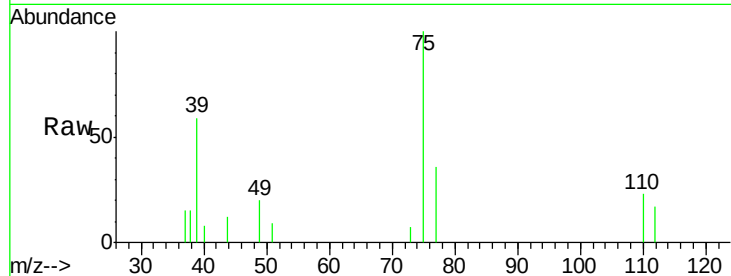
#53
t-1,3-Dichloropropene
Concen: 2.096 ug/l
RT: 7.69 min Scan# 2054
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.9	25.9	38.9

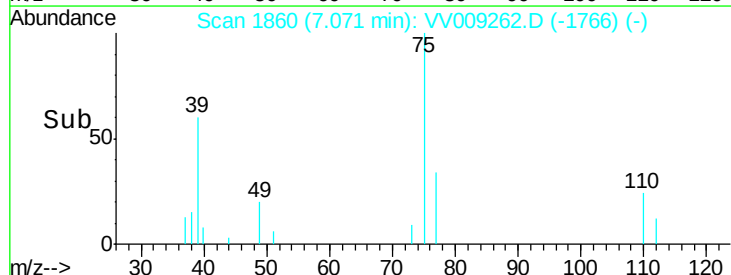
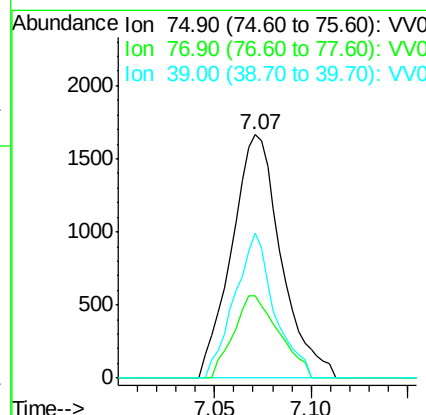
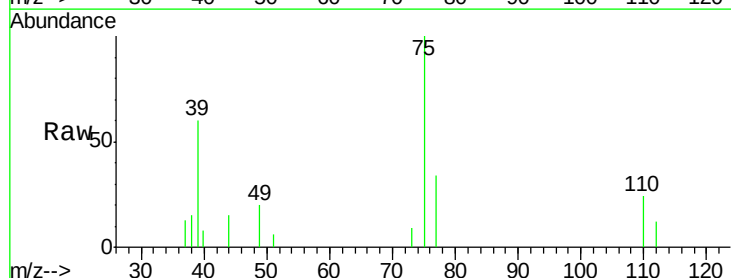
Manual Integrations
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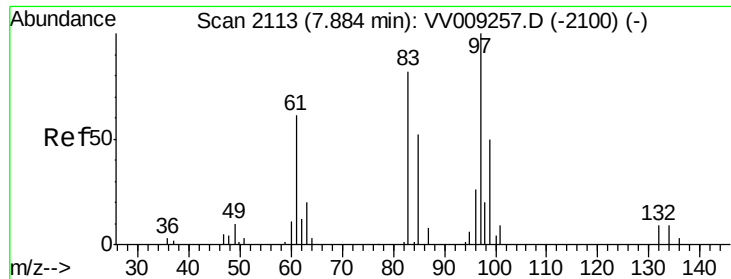
MMDadoda
1/25/2019 10:01:42 AM



#54
cis-1,3-Dichloropropene
Concen: 2.228 ug/l
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.8	25.8	38.6
39	59.6	38.0	57.0#





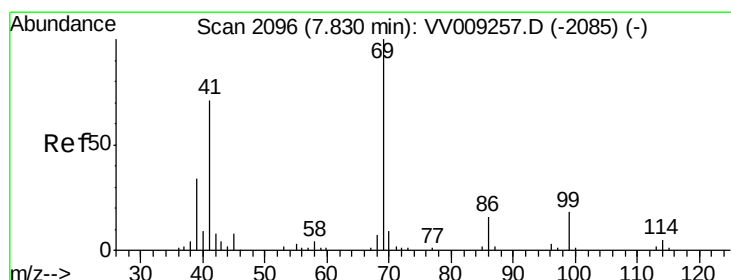
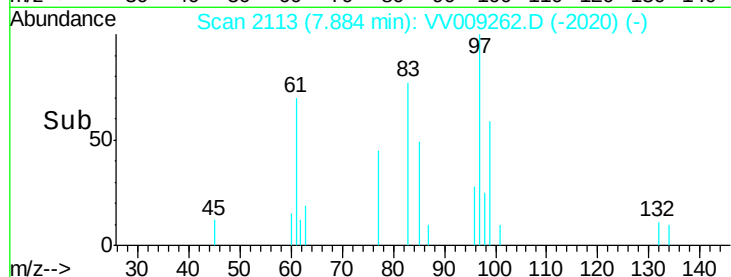
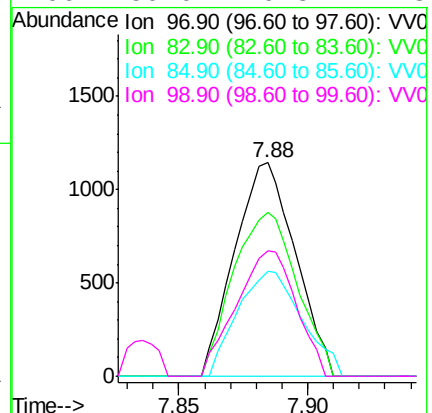
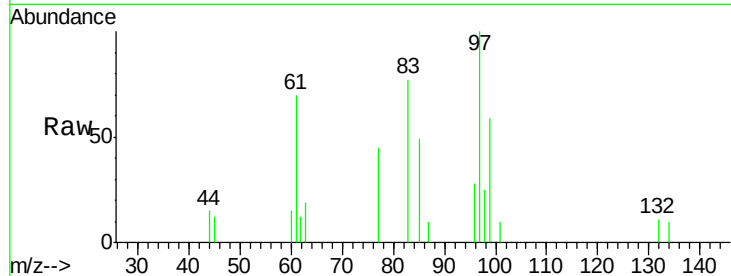
#55
1,1,2-Trichloroethane
Concen: 2.737 ug/l
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion:	97	Resp:	1876
Ion	Ratio	Lower	Upper
97	100		
83	76.7	65.6	98.4
85	49.0	41.8	62.8
99	59.0	49.8	74.8

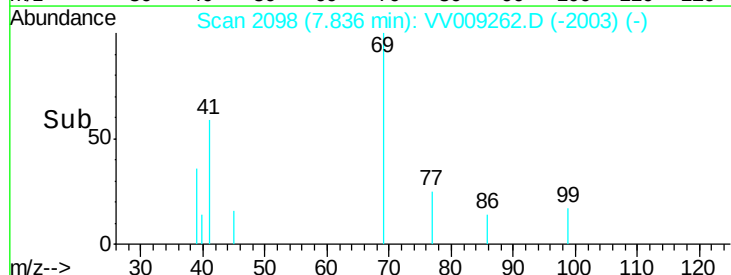
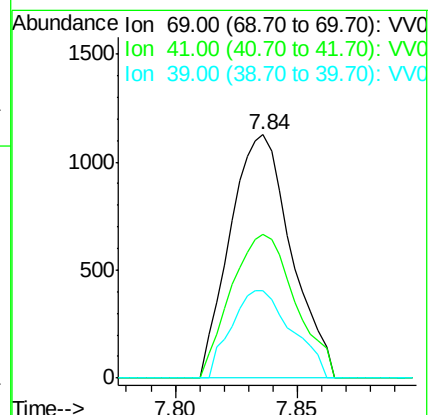
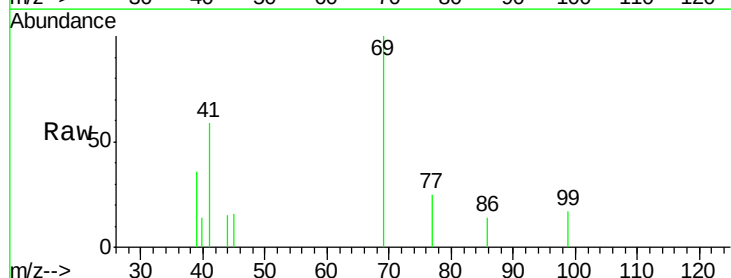
Manual Integrations
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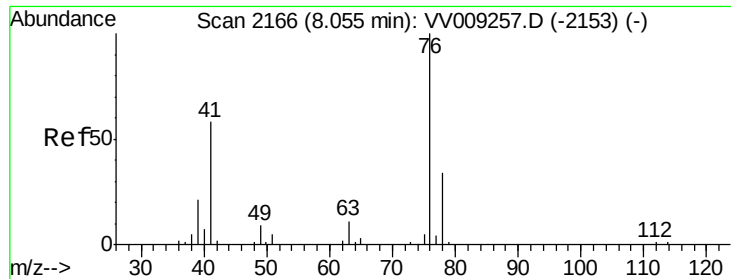
MMDadoda
1/25/2019 10:01:42 AM



#56
Ethyl methacrylate
Concen: 2.361 ug/l
RT: 7.84 min Scan# 2098
Delta R.T. 0.01 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion:	69	Resp:	1955
Ion	Ratio	Lower	Upper
69	100		
41	61.9	54.6	81.8
39	35.7	27.0	40.4





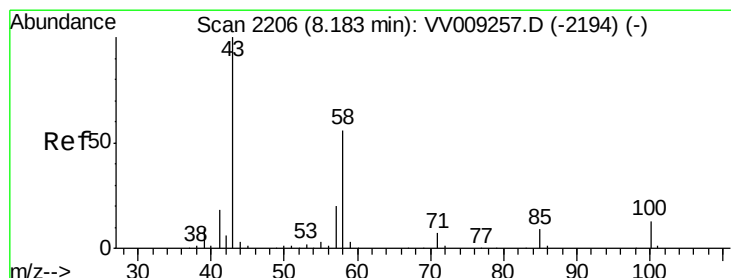
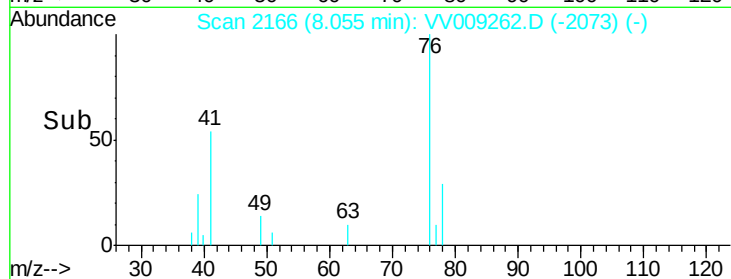
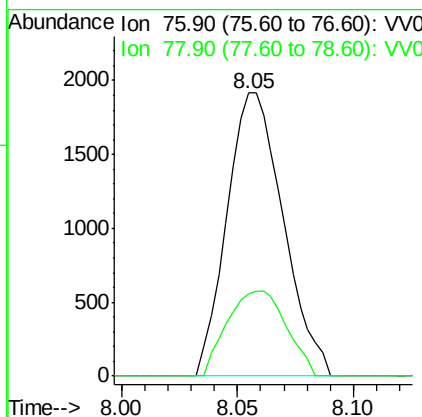
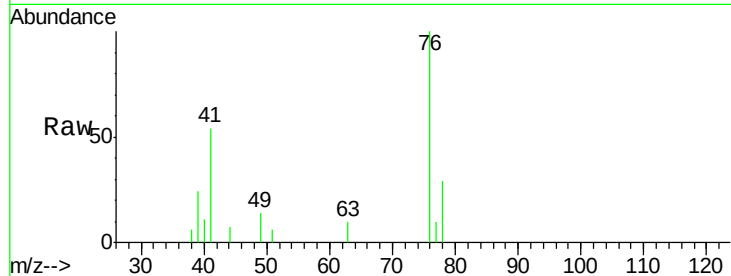
#57
 1,3-Dichloropropane
 Concen: 2.640 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VV009262.D
 Acq: 24 Jan 2019 16:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion: 76 Resp: 3224
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.6 40.0

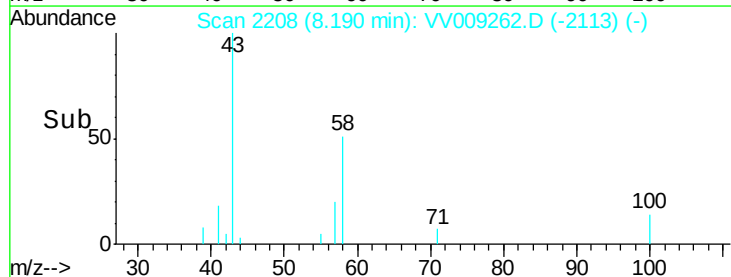
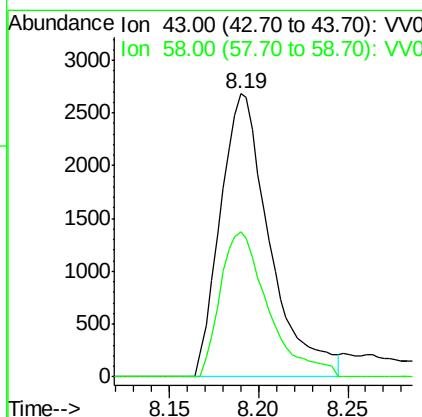
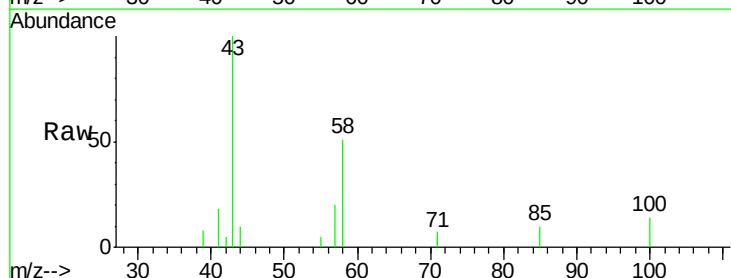
Manual Integrations
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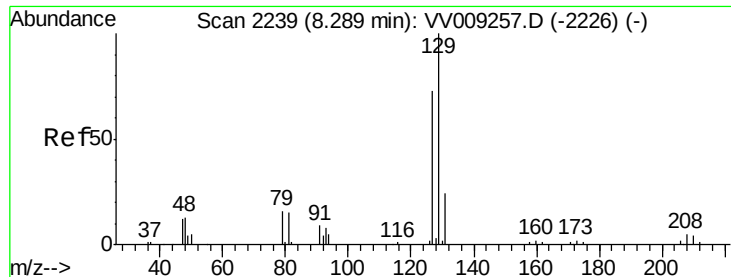
MMDadoda
 1/25/2019 10:01:42 AM



#59
 2-Hexanone
 Concen: 11.652 ug/l
 RT: 8.19 min Scan# 2208
 Delta R.T. 0.01 min
 Lab File: VV009262.D
 Acq: 24 Jan 2019 16:34

Tgt Ion: 43 Resp: 5166
 Ion Ratio Lower Upper
 43 100
 58 49.8 27.9 83.7





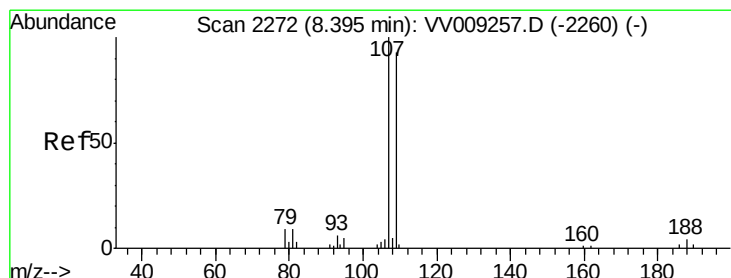
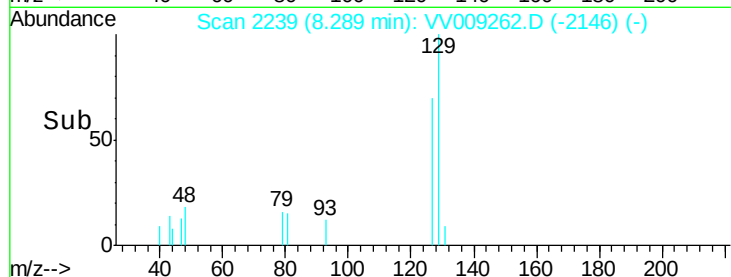
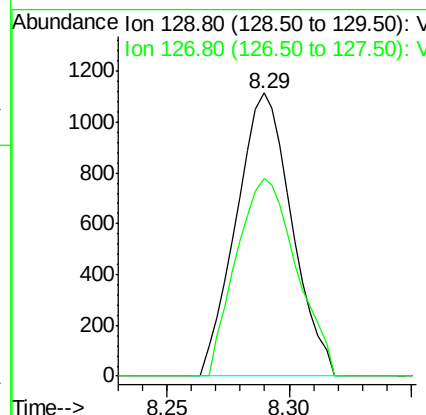
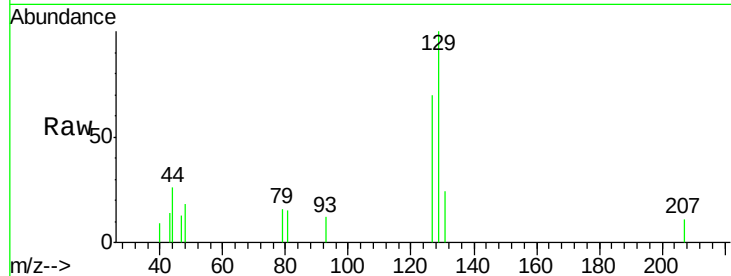
#60
 Dibromochloromethane
 Concen: 2.245 ug/l
 RT: 8.29 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VV009262.D
 Acq: 24 Jan 2019 16:34

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tot Ion:129 Resp: 1759
 Ion Ratio Lower Upper
 129 100
 127 75.7 37.9 113.6

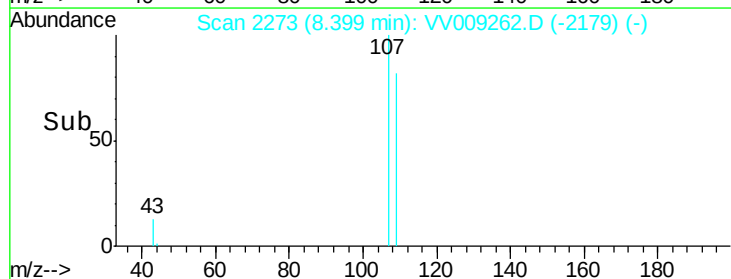
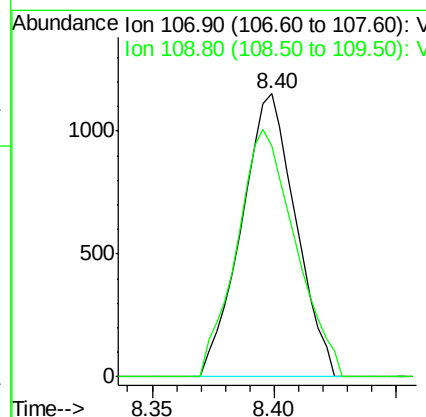
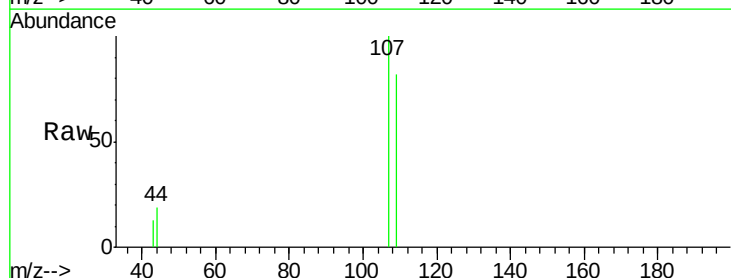
Manual Integrations
 APPROVED

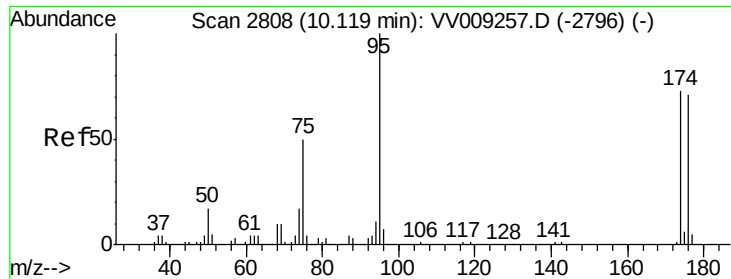
MMDadoda
 1/25/2019 10:01:42 AM



#61
 1,2-Dibromoethane
 Concen: 2.581 ug/l
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV009262.D
 Acq: 24 Jan 2019 16:34

Tgt Ion:107 Resp: 1777
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.7 112.1





#62

4-Bromofluorobenzene

Concen: 50.977 ug/l

RT: 10.12 min Scan# 2809

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

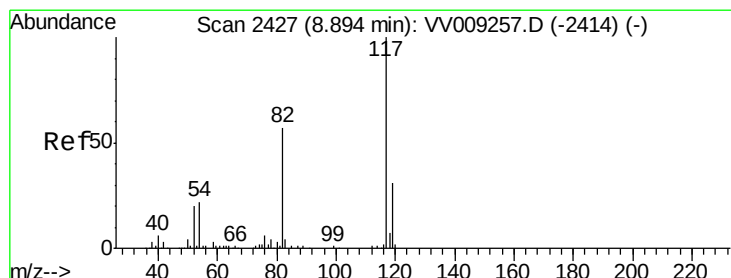
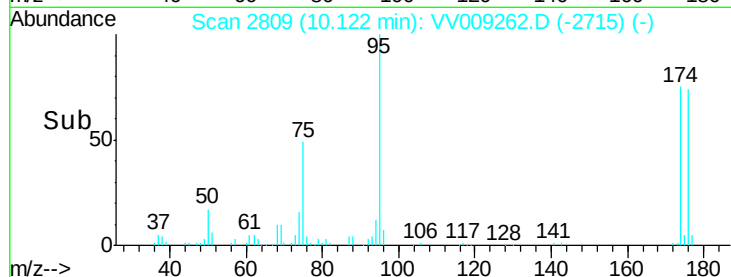
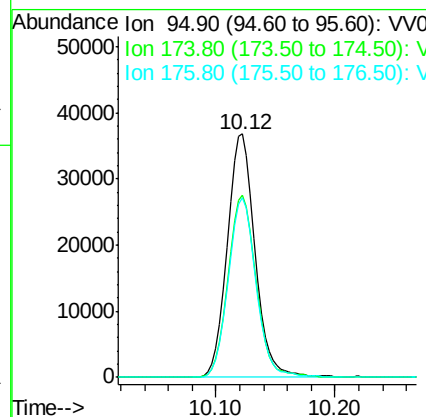
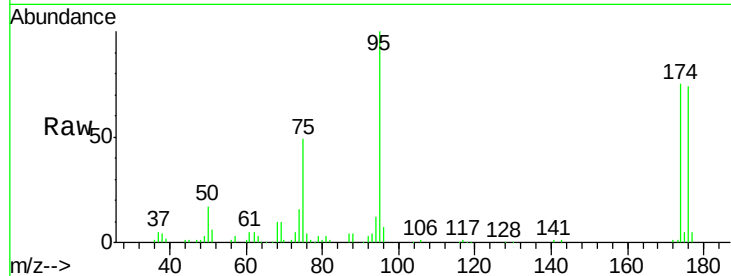
ClientSampled :

MDL06

Tot Ion	Ratio	Resp	Lower	Upper
95	100	59688		
174	75.7		0.0	150.0
176	73.5		0.0	144.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

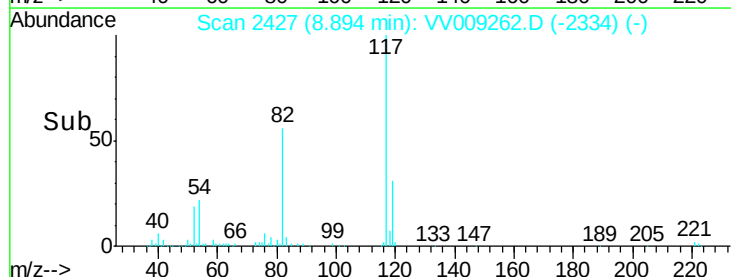
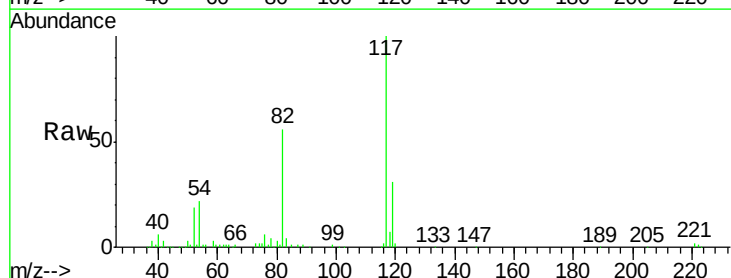
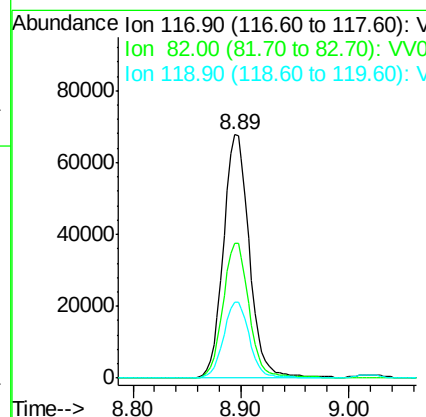
RT: 8.89 min Scan# 2427

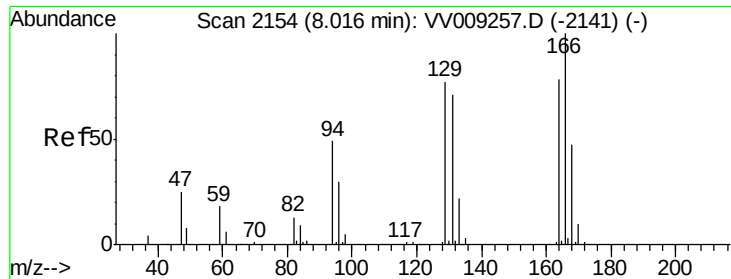
Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	113641		
82	55.5		45.8	68.6
119	31.1		24.8	37.2





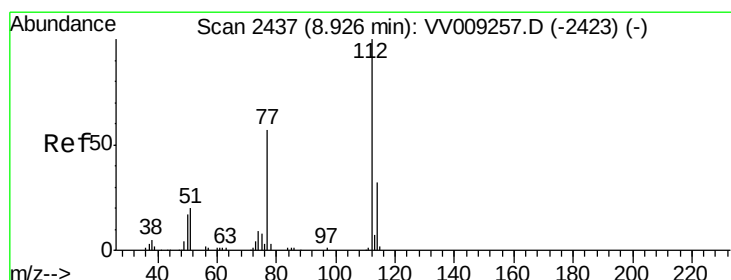
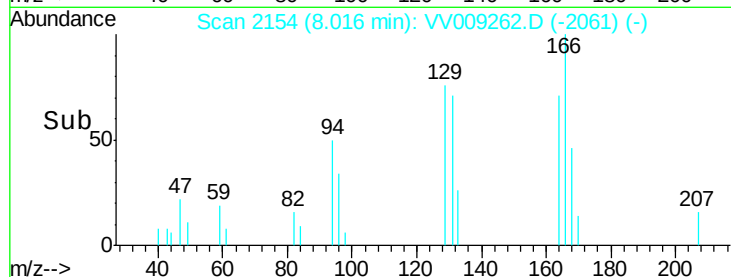
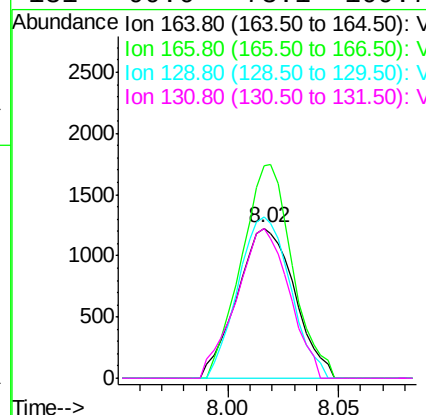
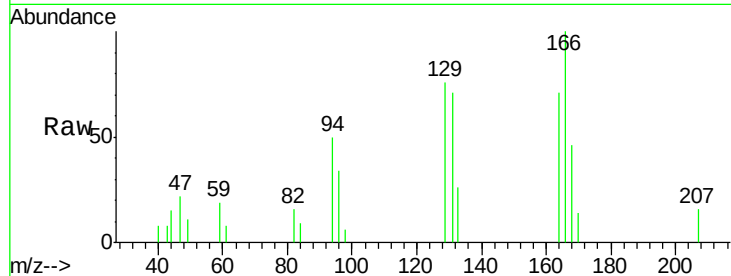
#64
Tetrachloroethene
 Concen: 2.833 ug/l
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV009262.D
 Acq: 24 Jan 2019 16:34

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tot Ion:	164	Resp:	2220
Ion	Ratio	Lower	Upper
164	100		
166	141.0	102.3	153.5
129	106.8	78.6	117.8
131	99.6	73.1	109.7

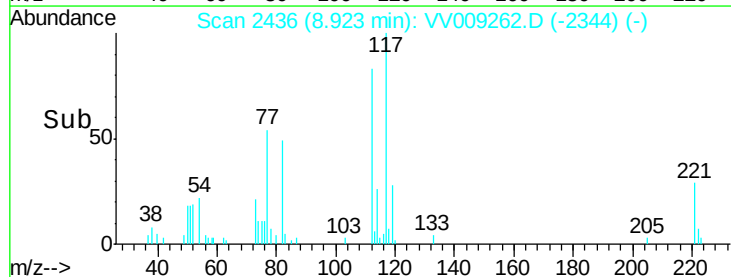
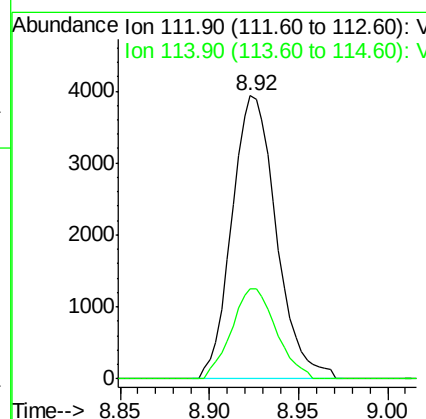
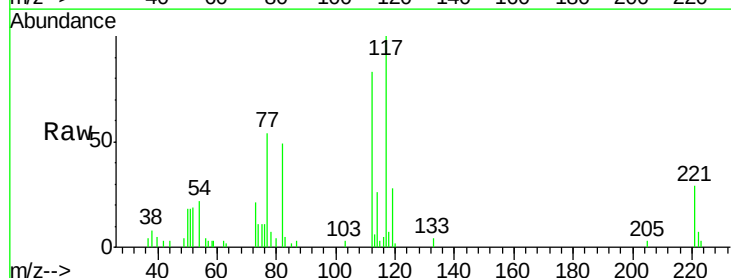
Manual Integrations
 APPROVED

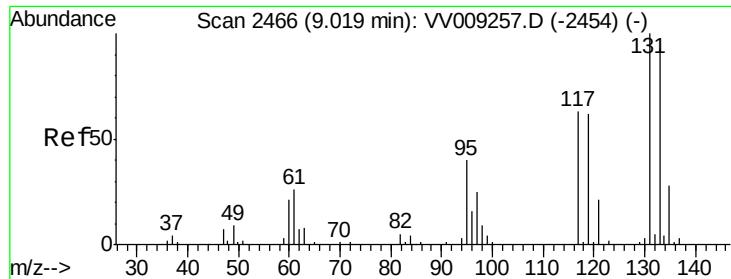
MMDadoda
 1/25/2019 10:01:42 AM



#65
Chlorobenzene
 Concen: 2.668 ug/l
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV009262.D
 Acq: 24 Jan 2019 16:34

Tgt Ion:	112	Resp:	6838
Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.6	38.4





#66

1,1,1,2-Tetrachloroethane

Concen: 2.590 ug/l

RT: 9.02 min Scan# 2465

Delta R.T. -0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

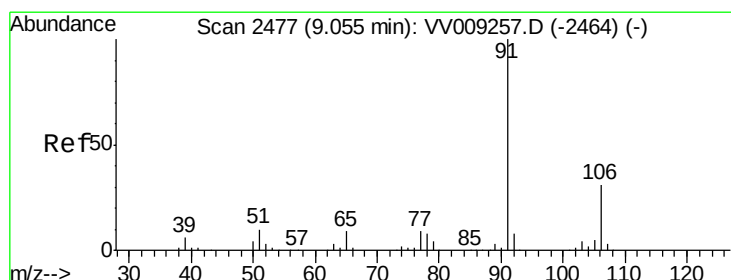
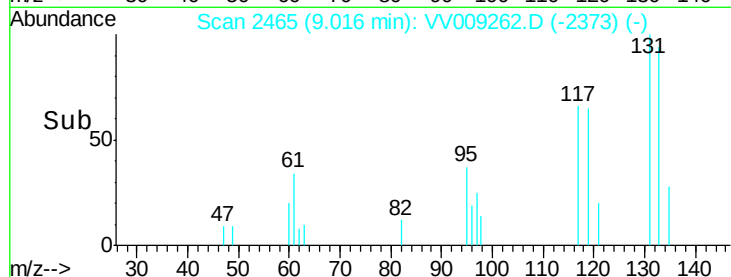
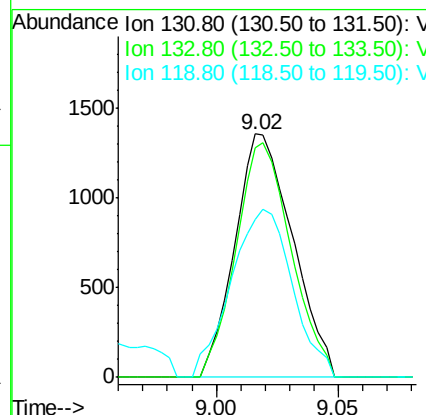
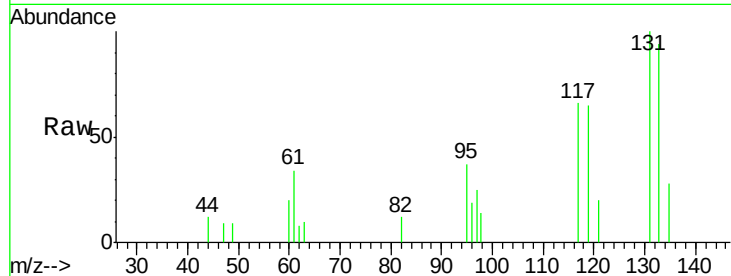
ClientSampleId :

MDL06

Tot Ion	Ratio	Lower	Upper
131	100		
133	92.1	47.7	143.1
119	73.1	32.4	97.2

Manual Integrations
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#67

Ethyl Benzene

Concen: 2.634 ug/l

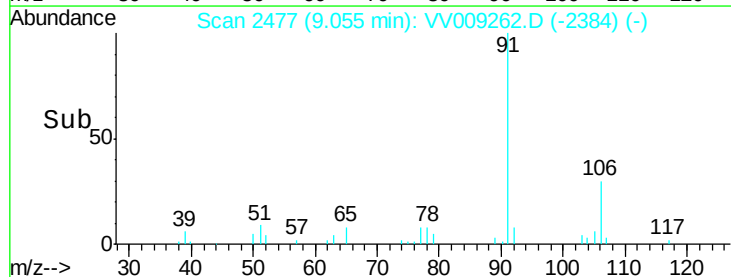
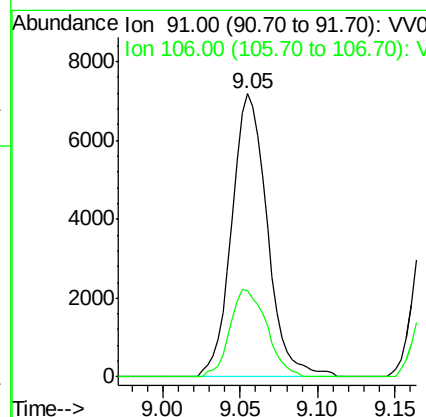
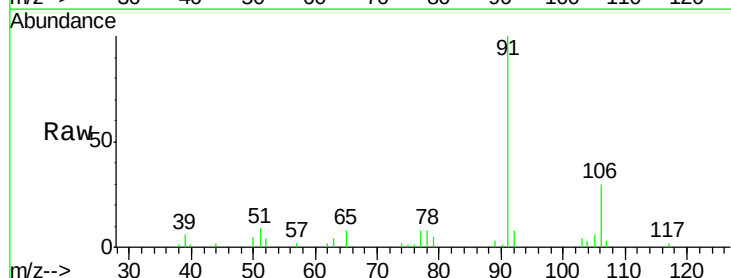
RT: 9.05 min Scan# 2477

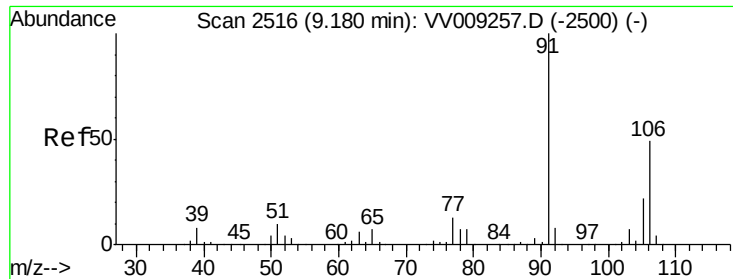
Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.6	37.0





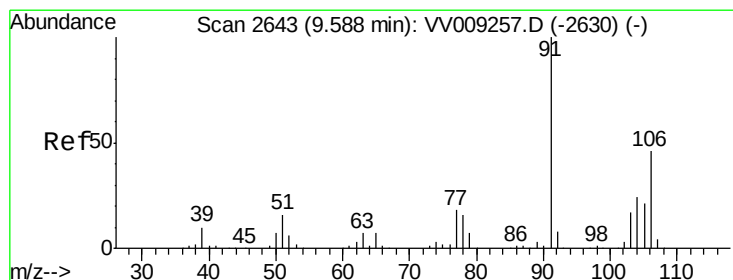
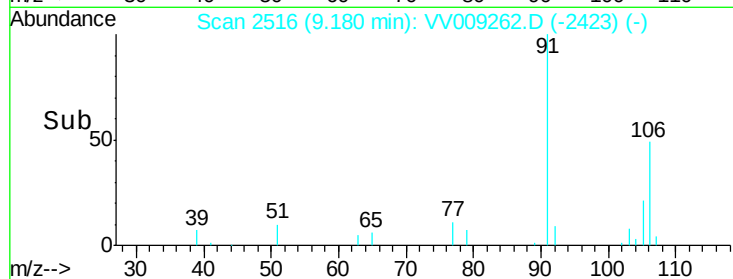
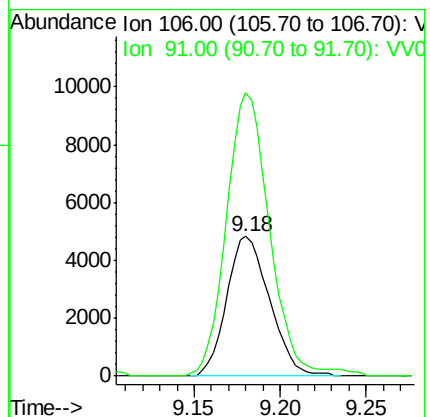
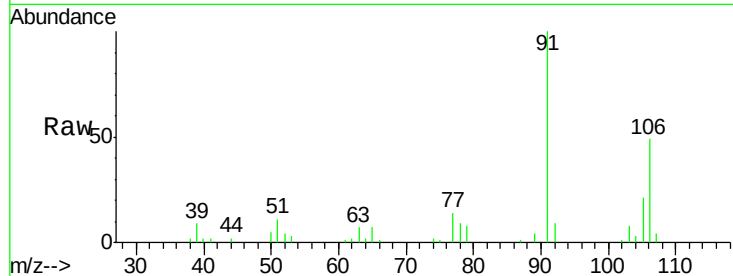
#68
m/p-Xylenes
Concen: 5.035 ug/l
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion:106 Resp: 8398
Ion Ratio Lower Upper
106 100
91 201.3 161.9 242.9

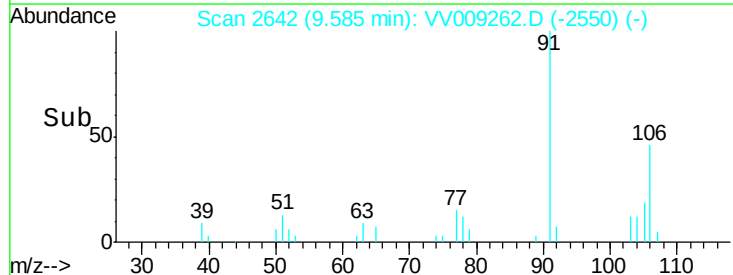
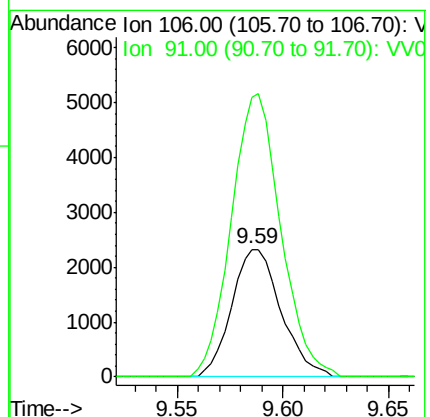
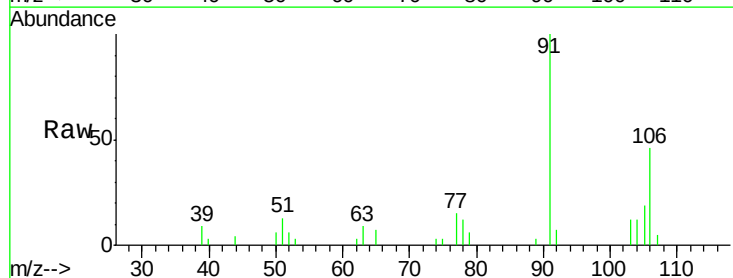
Manual Integrations
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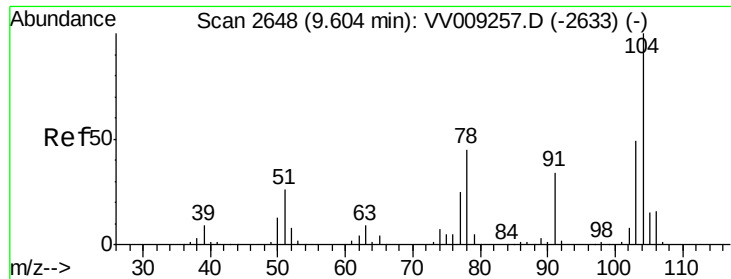
MMDadoda
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#69
o-Xylene
Concen: 2.426 ug/l
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion:106 Resp: 3781
Ion Ratio Lower Upper
106 100
91 221.5 108.3 324.9





#70

Stvrene

Concen: 2.269 ug/l

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

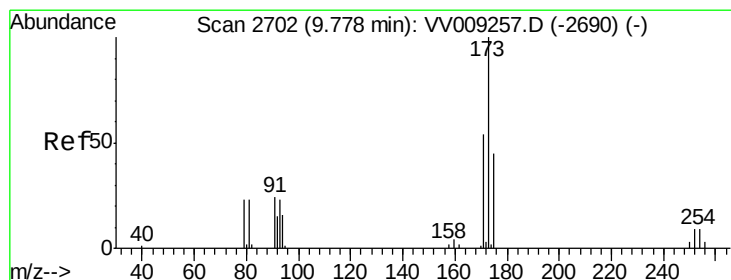
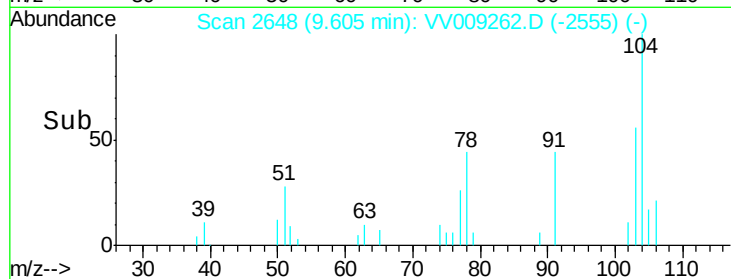
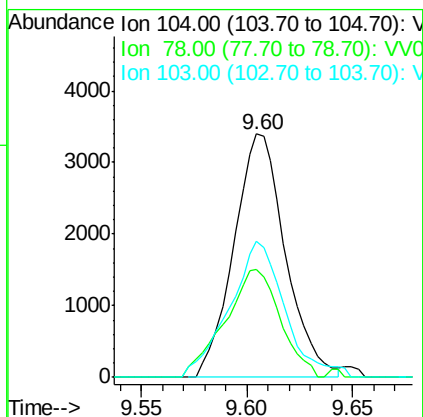
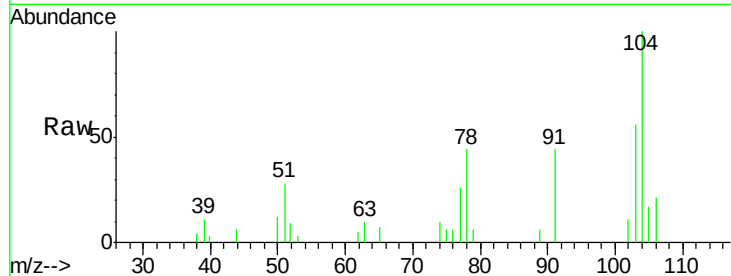
ClientSampled :

MDL06

Tot Ion:	104	Resp:	5759
Ion	Ratio	Lower	Upper
104	100		
78	47.5	40.6	60.8
103	60.0	43.3	64.9

Manual Integrations
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#71

Bromoform

Concen: 2.168 ug/l

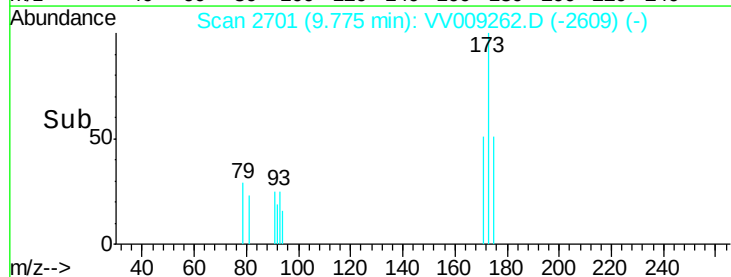
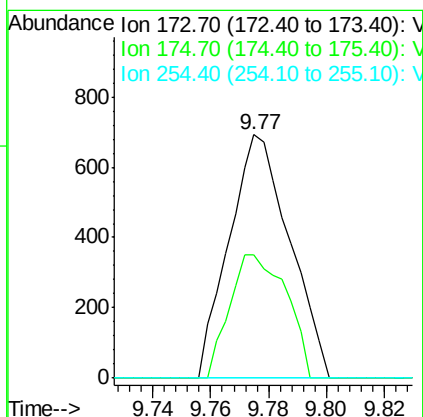
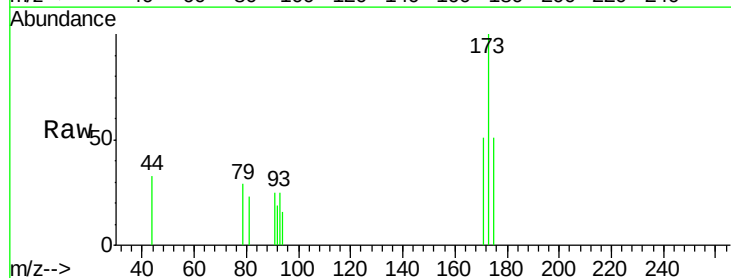
RT: 9.77 min Scan# 2701

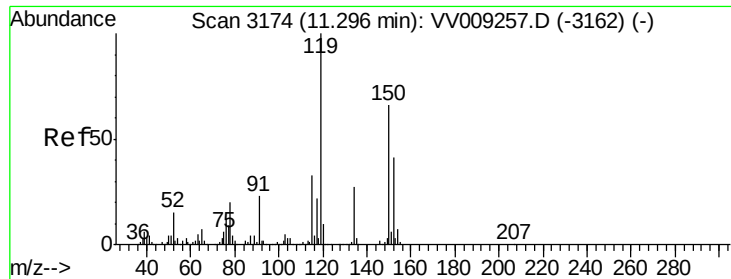
Delta R.T. -0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Tgt Ion:	173	Resp:	1000
Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.9	71.7
254	0.0	0.0	0.0





#72

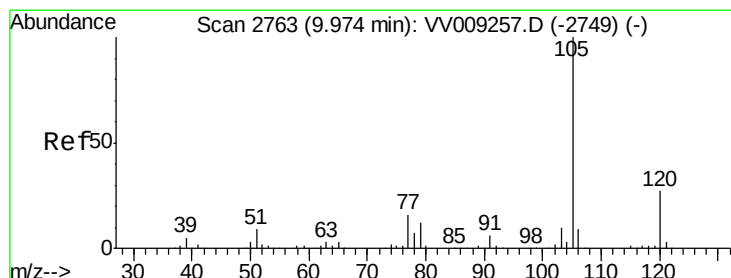
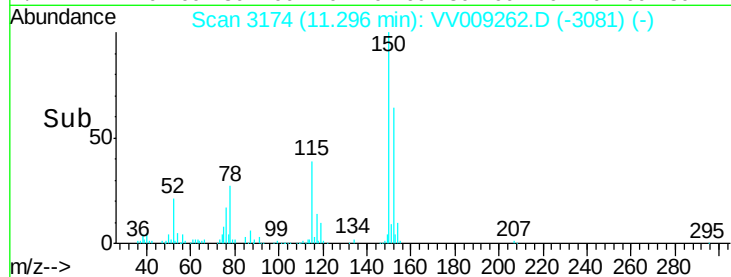
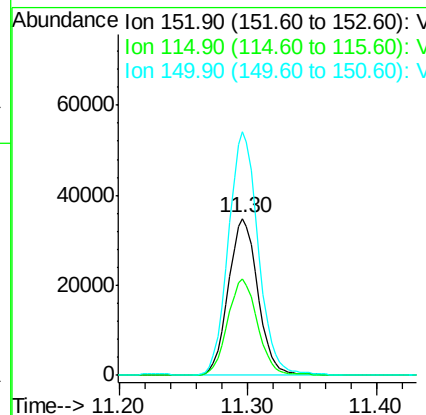
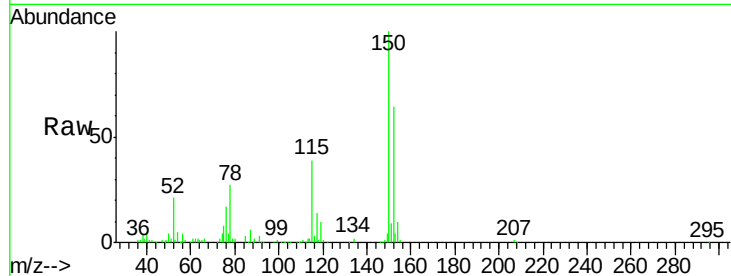
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.30 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
152	100		
115	62.1	43.0	128.8
150	157.4	0.0	352.0

Manual Integrations
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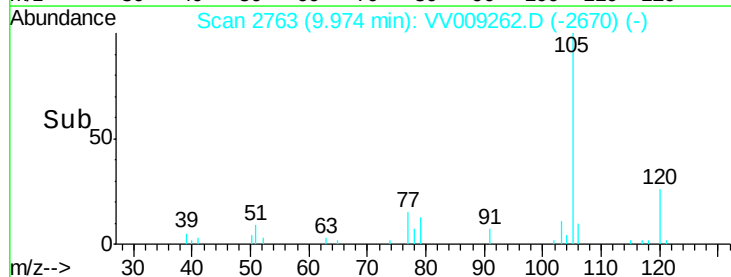
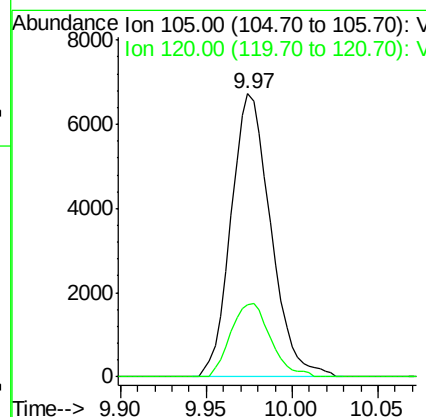
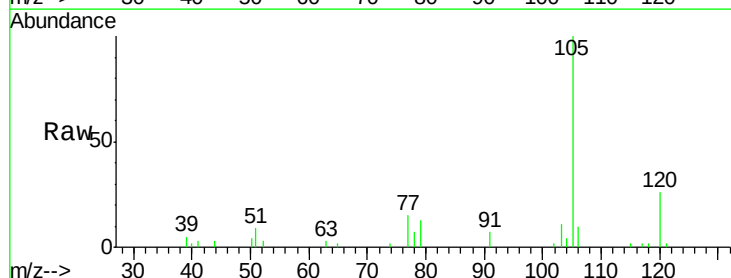
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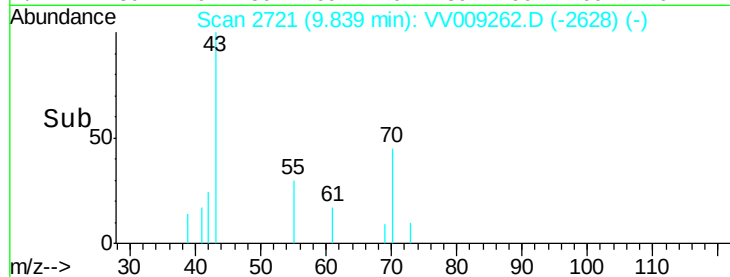
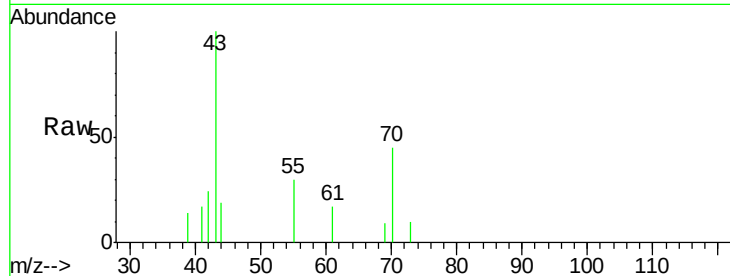
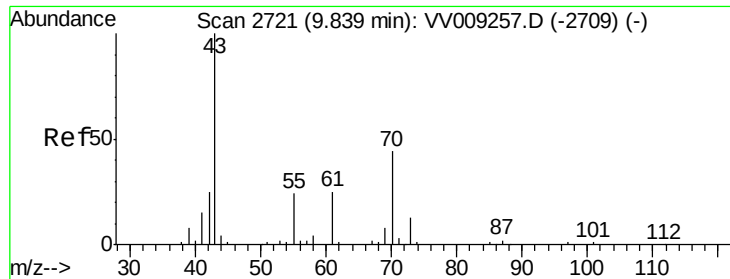


#73

Isopropylbenzene
Concen: 2.629 ug/l
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.1	39.3





#74

N-amvl acetate

Concen: 2.073 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009262.D

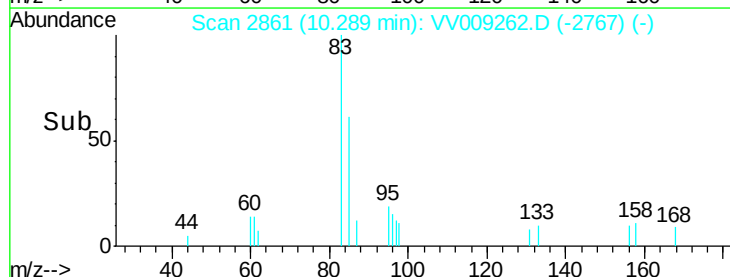
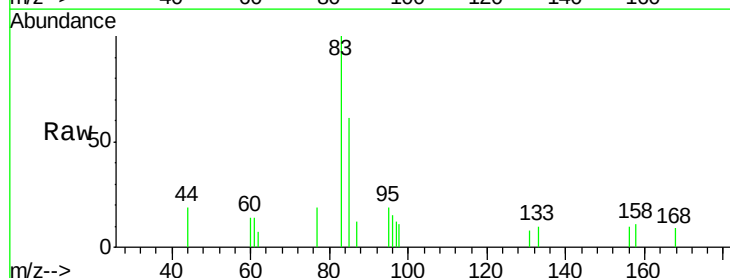
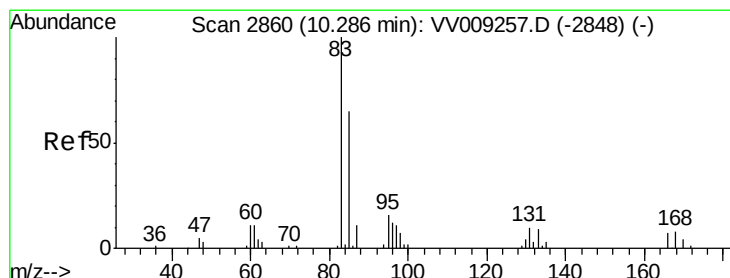
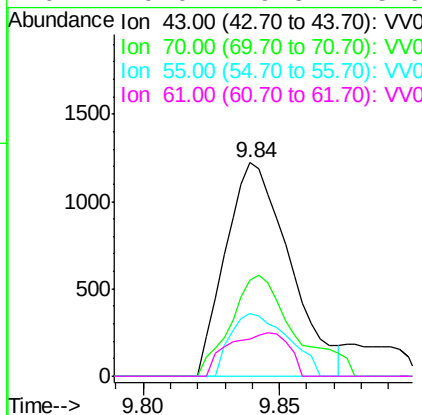
Acq: 24 Jan 2019 16:34

Tot Ion:	43	Resp:	1994
Ion	Ratio	Lower	Upper
43	100		
70	46.5	35.4	53.0
55	26.5	20.4	30.6
61	19.0	19.3	28.9#

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Manual Integrations
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1/25/2019 10:01:42 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 2.637 ug/l

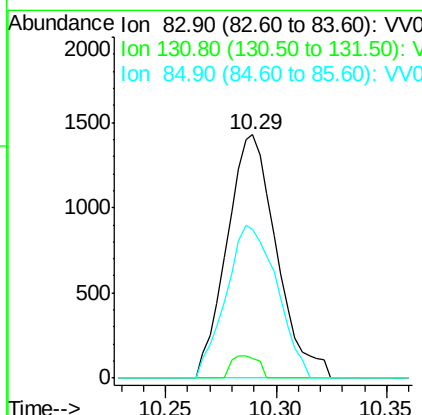
RT: 10.29 min Scan# 2861

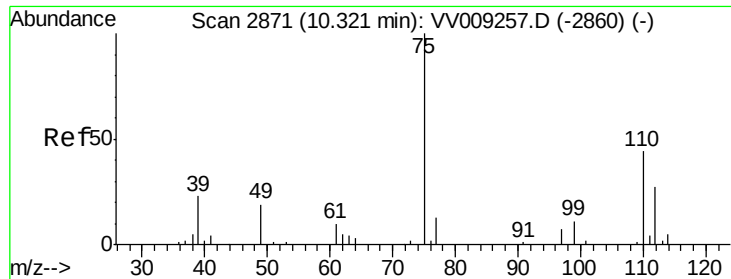
Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Tgt Ion:	83	Resp:	2229
Ion	Ratio	Lower	Upper
83	100		
131	5.1	5.0	15.0
85	64.5	32.4	97.2





#76

1,2,3-Trichloropropane

Concen: 2.991 ug/l

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 75 Resp: 1954

Ion Ratio Lower Upper

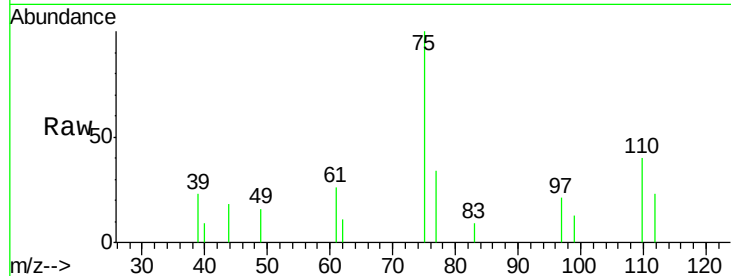
75 100

77 32.3 6.2 18.4#

Manual Integrations
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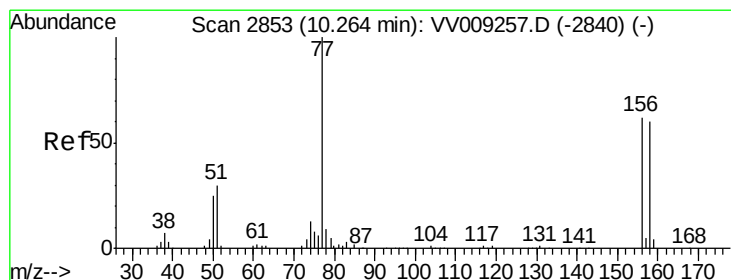
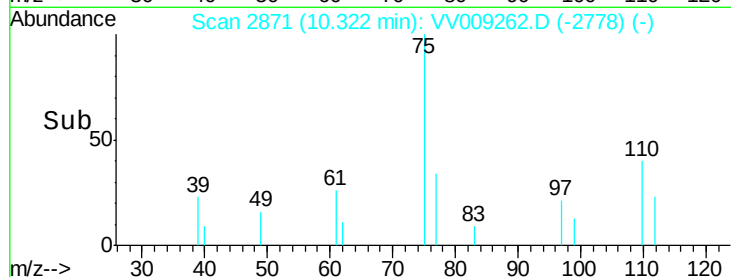
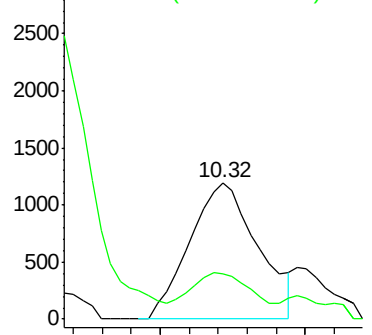
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VV009257.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV009257.D (-2860) (-)



#77

Bromobenzene

Concen: 2.854 ug/l

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

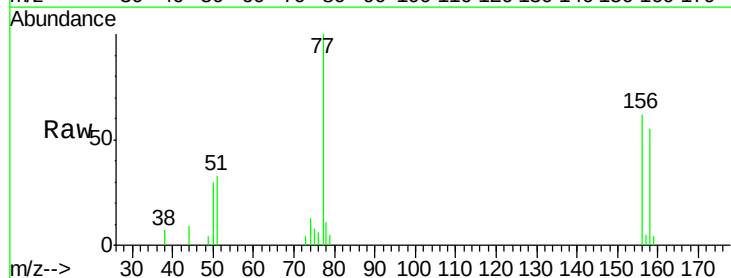
Tgt Ion: 156 Resp: 2737

Ion Ratio Lower Upper

156 100

77 169.9 81.7 244.9

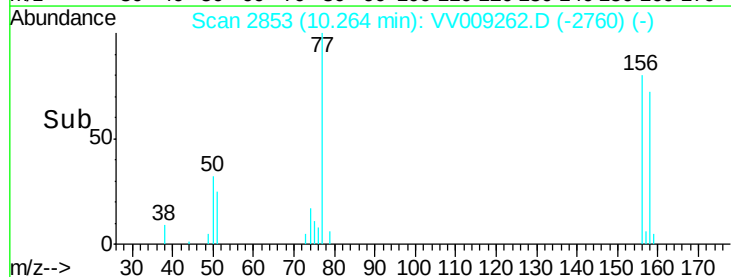
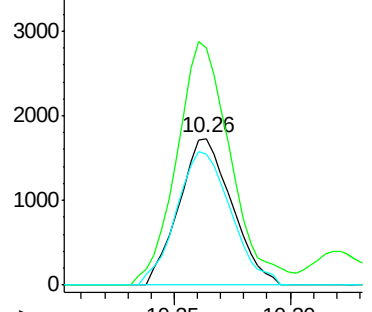
158 93.8 48.4 145.0

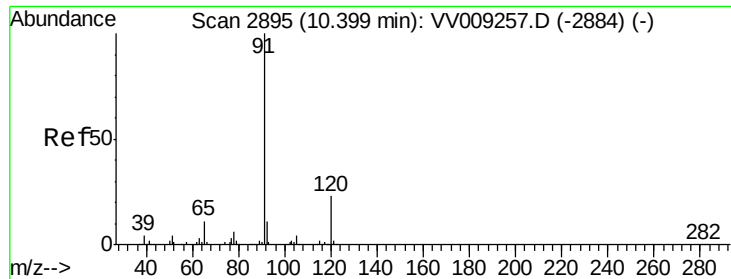


Abundance Ion 155.80 (155.50 to 156.50): VV009257.D (-2840) (-)

Ion 77.00 (76.70 to 77.70): VV009257.D (-2840) (-)

Ion 157.80 (157.50 to 158.50): VV009257.D (-2840) (-)





#78

n-propylbenzene

Concen: 2.858 ug/l

RT: 10.40 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 13896

Ion Ratio Lower Upper

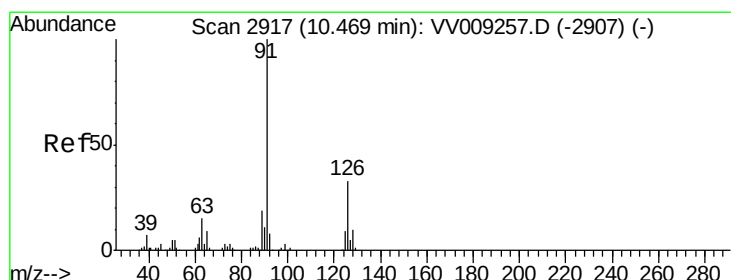
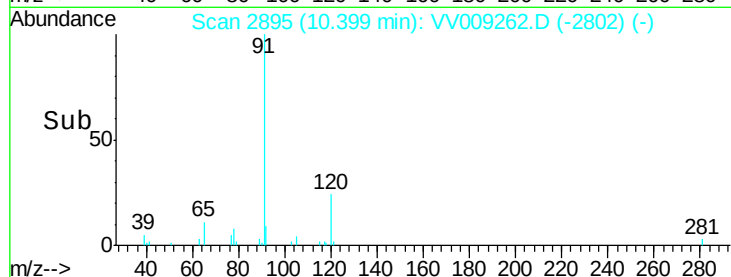
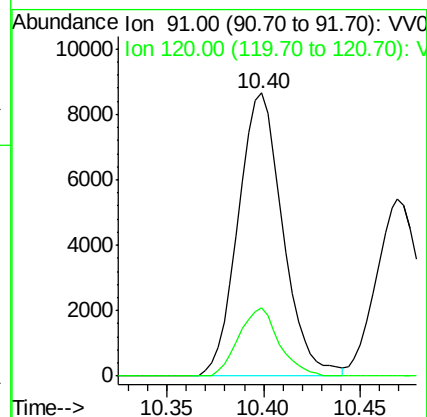
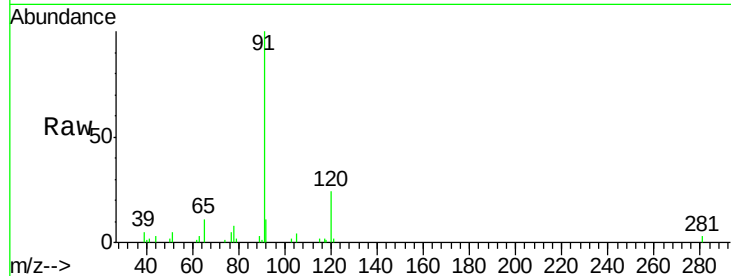
91 100

120 21.7 11.6 34.8

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MMDadoda

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#79

2-Chlorotoluene

Concen: 3.008 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VV009262.D

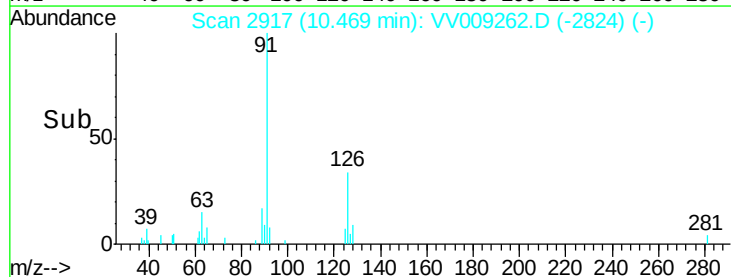
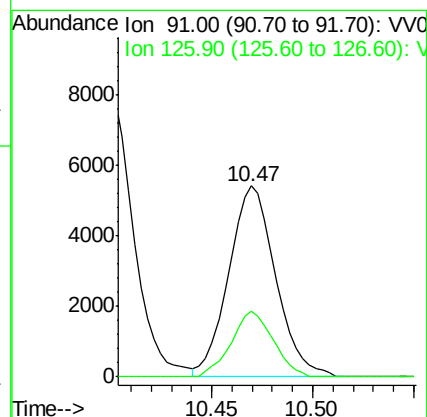
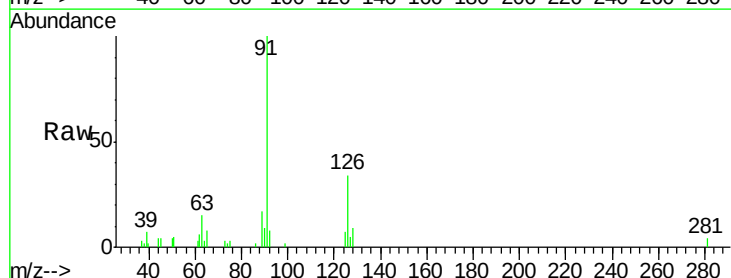
Acq: 24 Jan 2019 16:34

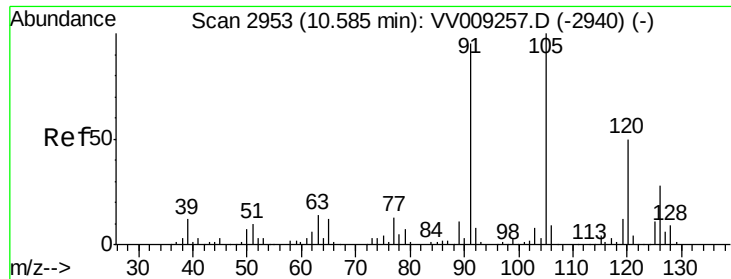
Tgt Ion: 91 Resp: 8815

Ion Ratio Lower Upper

91 100

126 30.9 16.4 49.4





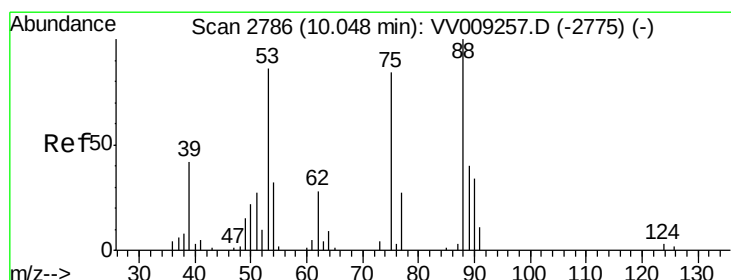
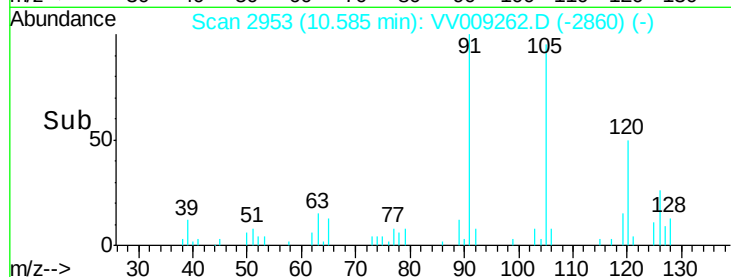
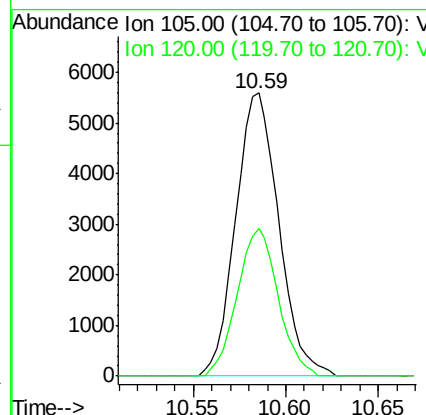
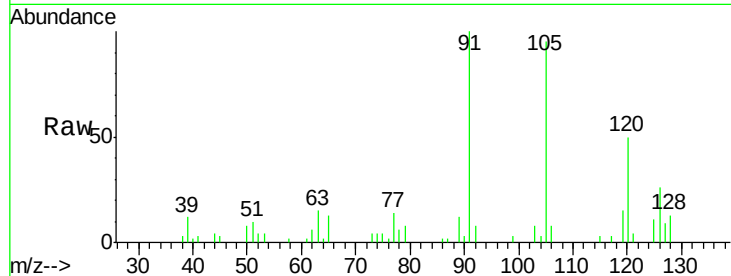
#80
 1,3,5-Trimethylbenzene
 Concen: 2.607 ug/l
 RT: 10.59 min Scan# 2953
 Delta R.T. 0.00 min
 Lab File: VV009262.D
 Acq: 24 Jan 2019 16:34

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tot Ion:105 Resp: 9014
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.8 74.3

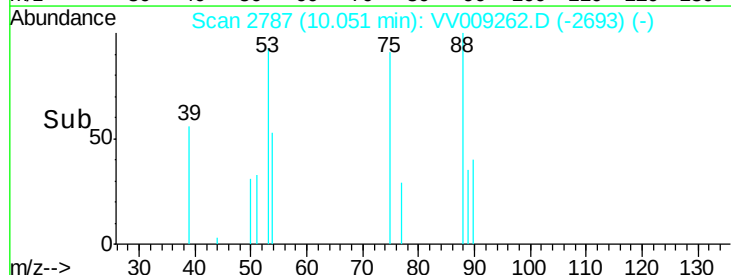
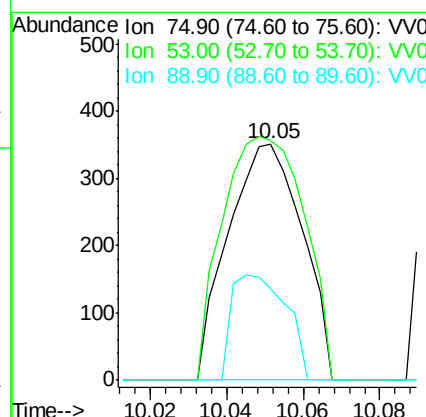
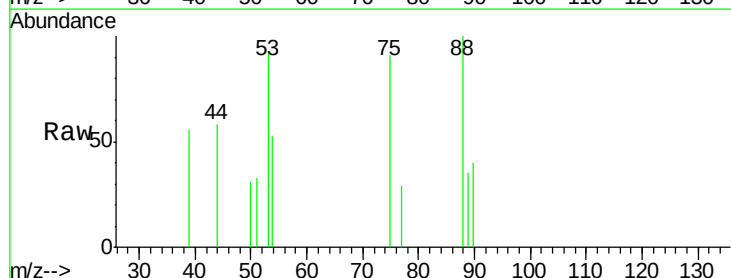
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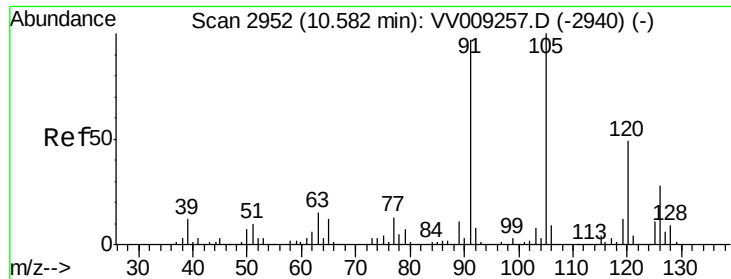
MMDadoda
 1/25/2019 10:01:42 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 2.057 ug/l m
 RT: 10.05 min Scan# 2787
 Delta R.T. 0.00 min
 Lab File: VV009262.D
 Acq: 24 Jan 2019 16:34

Tgt Ion: 75 Resp: 473
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 36.8 55.2#





#82

4-Chlorotoluene

Concen: 2.842 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 91 Resp: 9876

Ion Ratio Lower Upper

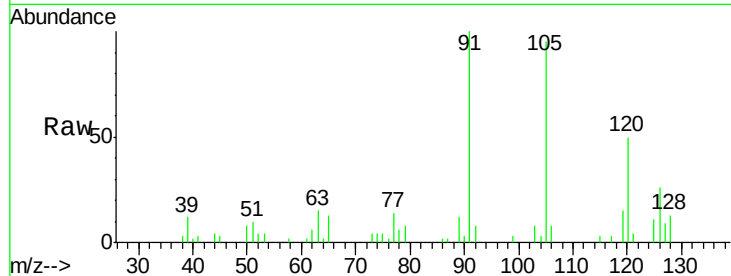
91 100

126 27.0 14.6 44.0

Manual Integrations
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MMDadoda

1/25/2019 10:01:42 AM



Abundance Ion 91.00 (90.70 to 91.70): VV009257.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VV009262.D (-2859) (-)

10.59

6000

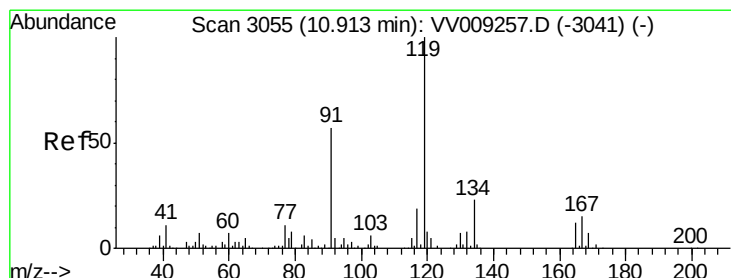
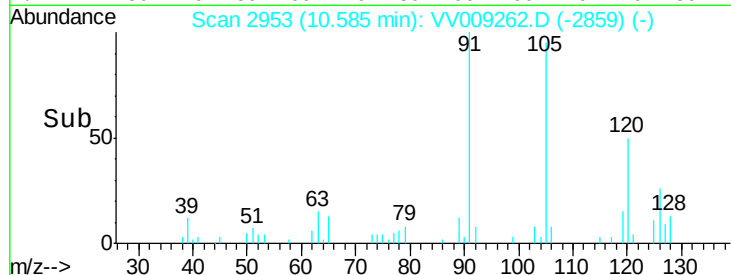
4000

2000

0

10.55 10.60 10.65

Time-->



#83

tert-Butylbenzene

Concen: 2.612 ug/l

RT: 10.91 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

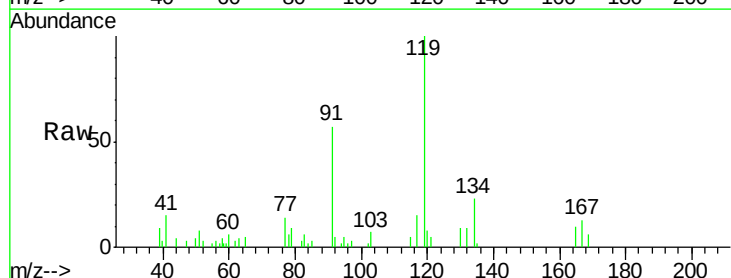
Tgt Ion: 119 Resp: 8718

Ion Ratio Lower Upper

119 100

91 60.3 28.6 85.8

134 24.0 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): VV009257.D (-3041) (-)

Ion 91.00 (90.70 to 91.70): VV009262.D (-2859) (-)

Ion 134.00 (133.70 to 134.70): VV009262.D (-2962) (-)

10.91

6000

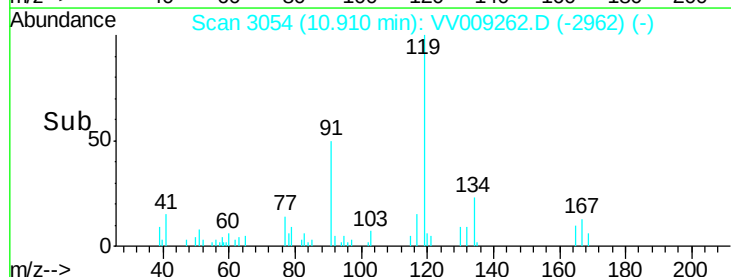
4000

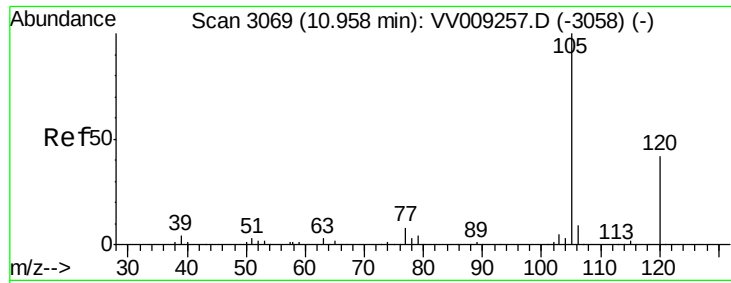
2000

0

10.85 10.90 10.95

Time-->





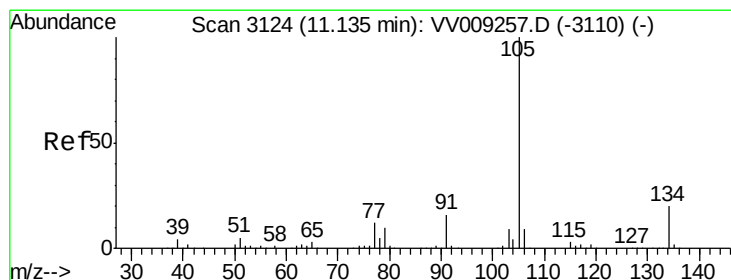
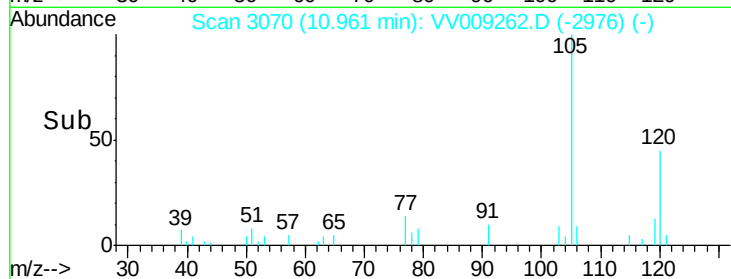
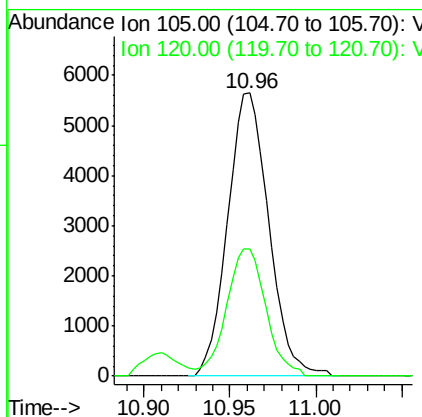
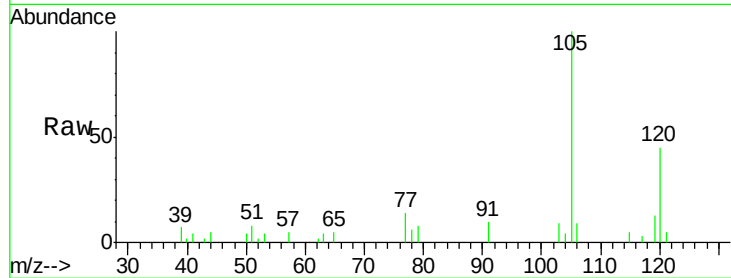
#84
1,2,4-Trimethylbenzene
Concen: 2.642 ug/l
RT: 10.96 min Scan# 3070
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion:105 Resp: 9378
Ion Ratio Lower Upper
105 100
120 43.0 22.7 68.1

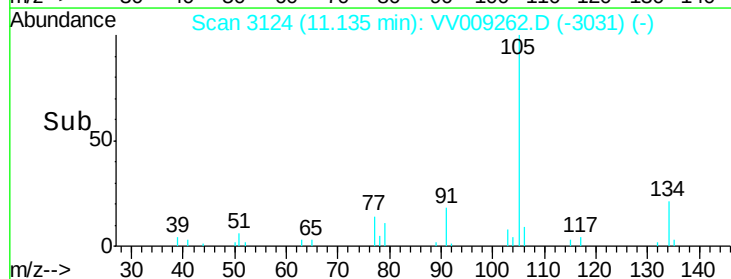
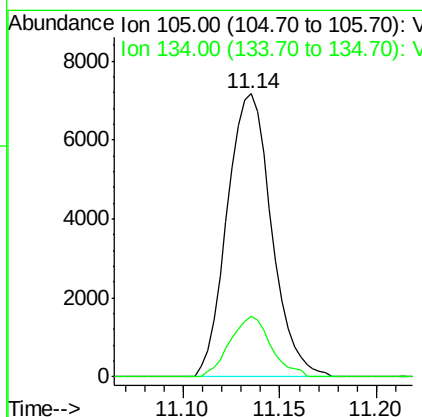
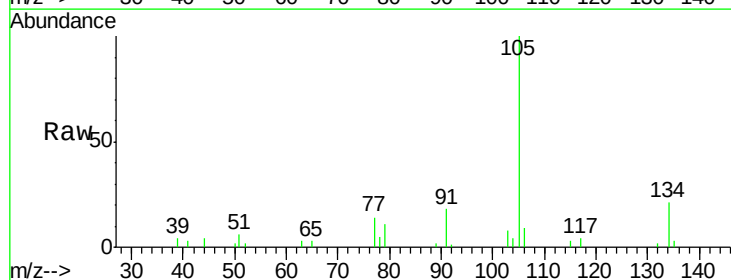
Manual Integrations
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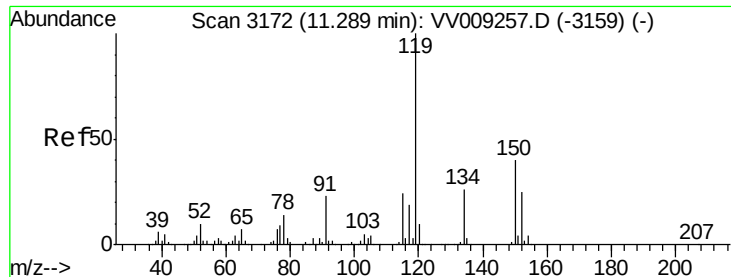
MMDadoda
1/25/2019 10:01:42 AM



#85
sec-Butylbenzene
Concen: 2.638 ug/l
RT: 11.14 min Scan# 3124
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion:105 Resp: 11477
Ion Ratio Lower Upper
105 100
134 19.6 10.2 30.6





#86

p-Isopropyltoluene

Concen: 2.799 ug/l

RT: 11.29 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

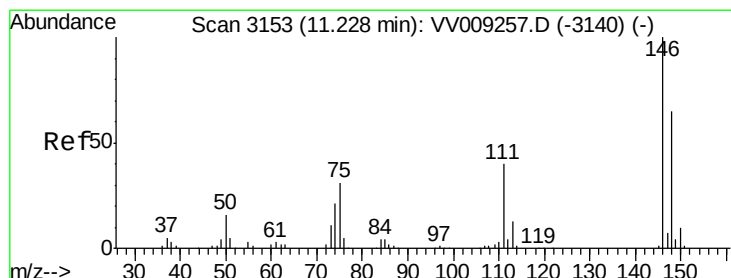
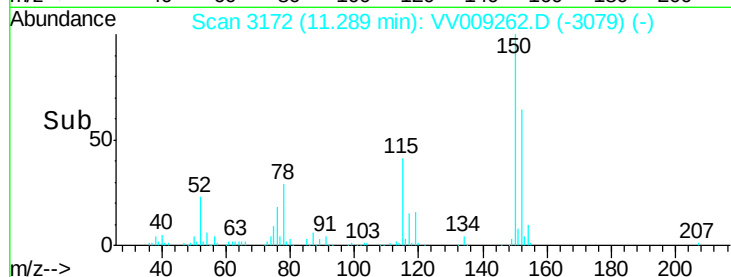
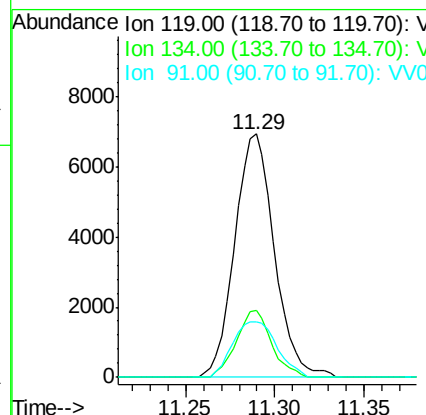
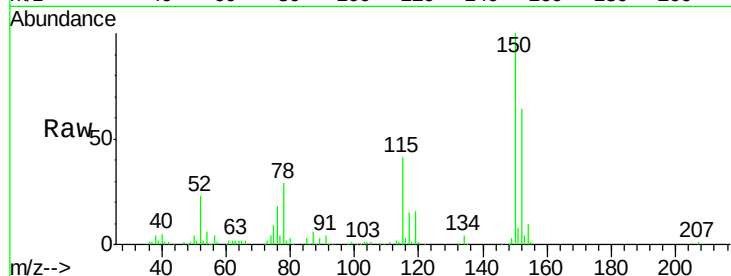
ClientSampleId :

MDL06

Tot Ion:	119	Resp:	10746
Ion Ratio	Lower	Upper	
119	100		
134	24.4	13.2	39.5
91	25.6	11.9	35.7

Manual Integrations
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1/25/2019 10:01:42 AM



#87

1,3-Dichlorobenzene

Concen: 3.016 ug/l

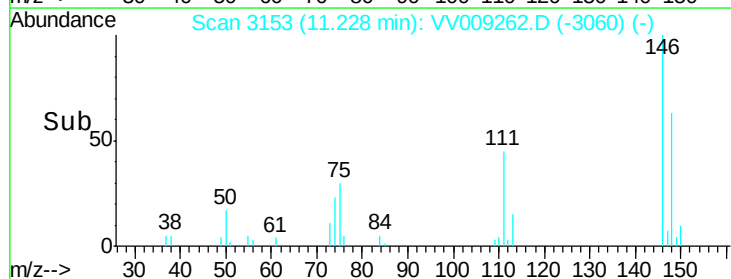
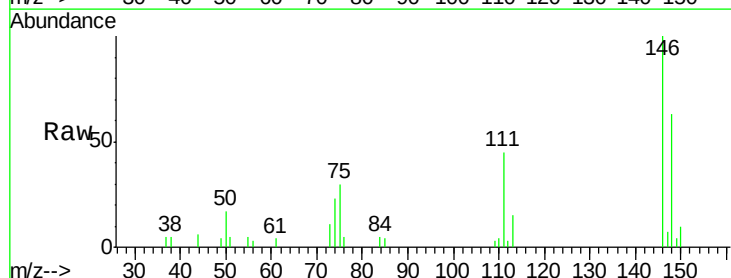
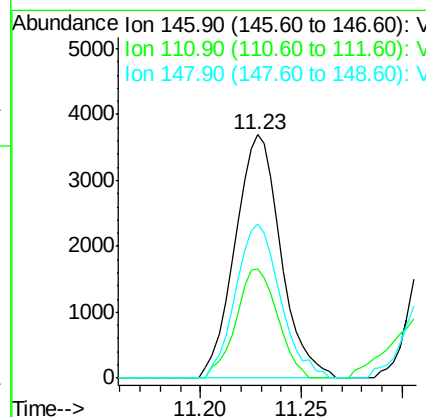
RT: 11.23 min Scan# 3153

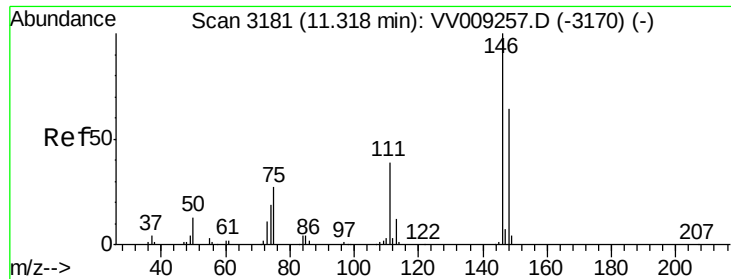
Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Tgt Ion:	146	Resp:	5857
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.2	60.5
148	61.6	31.8	95.3





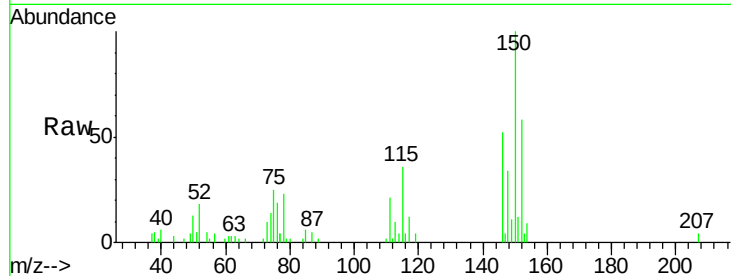
#88
 1,4-Dichlorobenzene
 Concen: 3.200 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009262.D
 Acq: 24 Jan 2019 16:34

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	20.3	61.0
148	66.0	31.6	94.8

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MMDadoda
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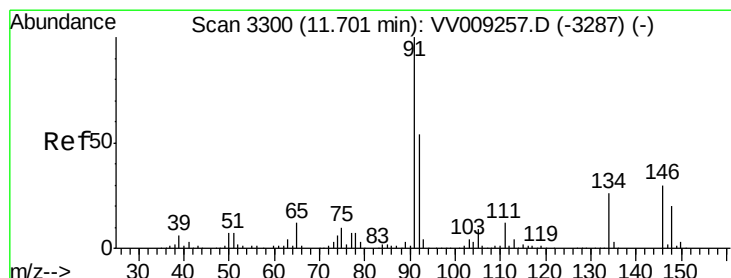
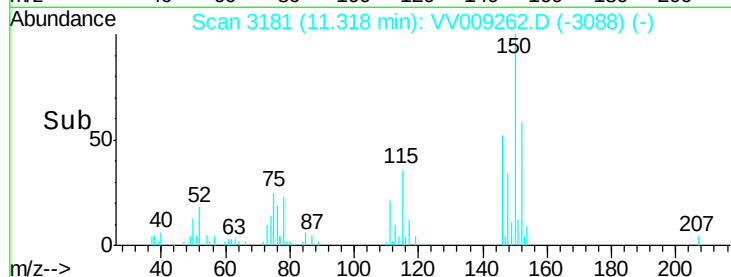
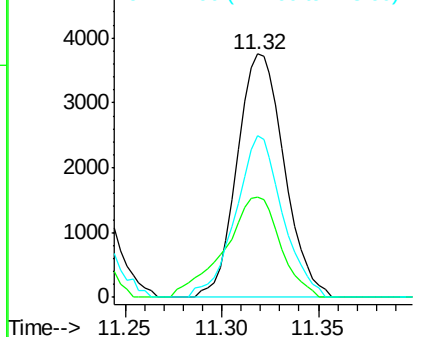


Abundance

Ion 145.90 (145.60 to 146.60): V

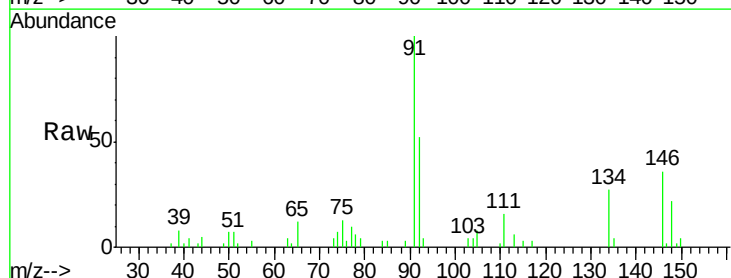
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89
 n-Butylbenzene
 Concen: 2.774 ug/l
 RT: 11.70 min Scan# 3300
 Delta R.T. 0.00 min
 Lab File: VV009262.D
 Acq: 24 Jan 2019 16:34

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	27.1	81.2
134	25.7	13.1	39.3

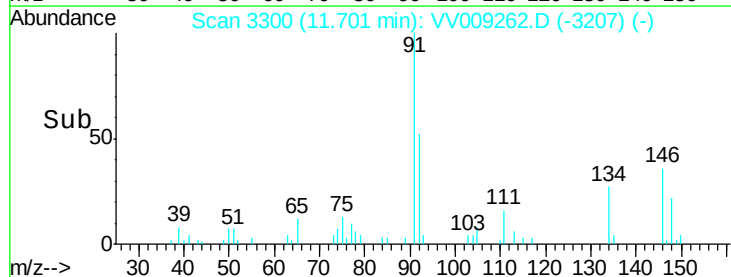
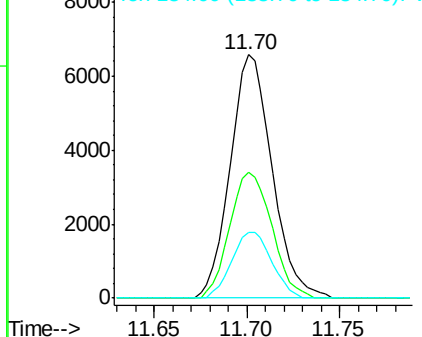


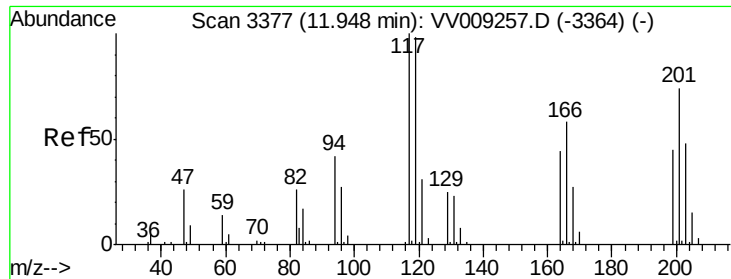
Abundance

Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

Ion 134.00 (133.70 to 134.70): V





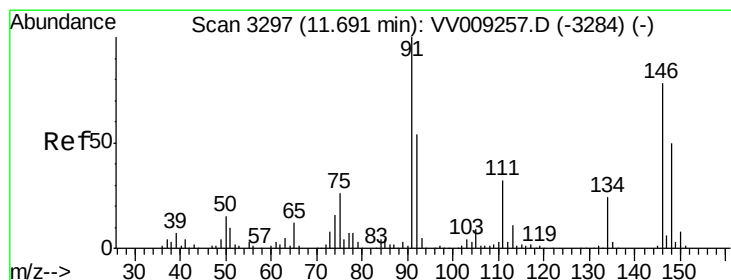
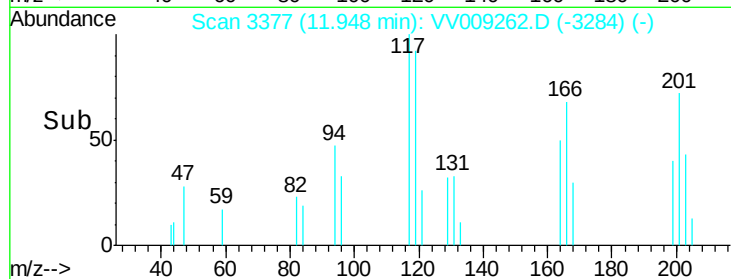
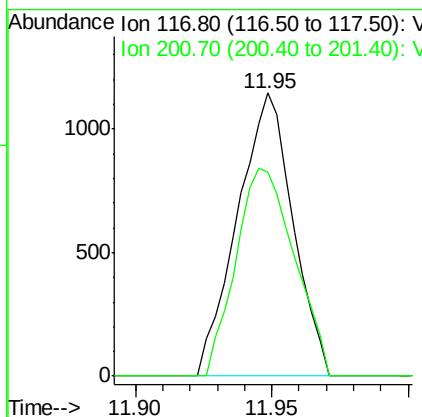
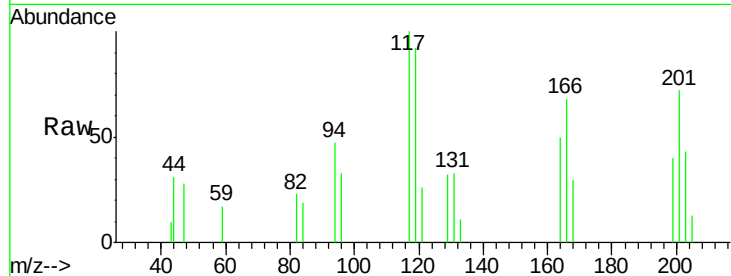
#90
Hexachloroethane
Concen: 2.377 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion:117 Resp: 1614
Ion Ratio Lower Upper
117 100
201 77.7 36.4 109.3

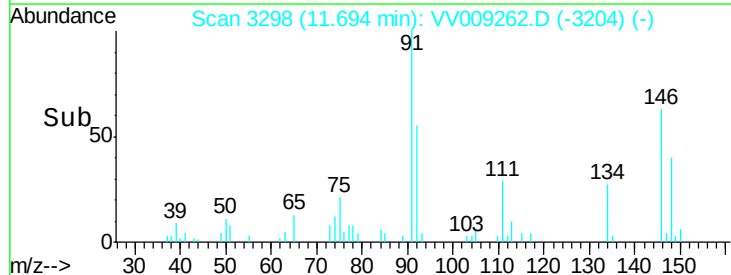
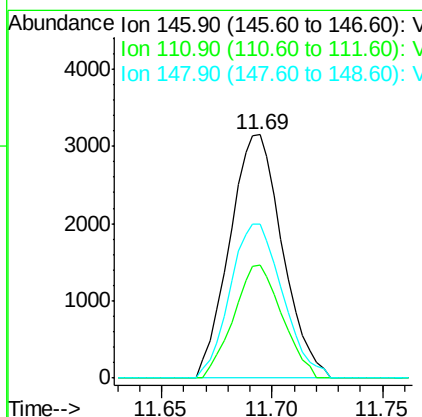
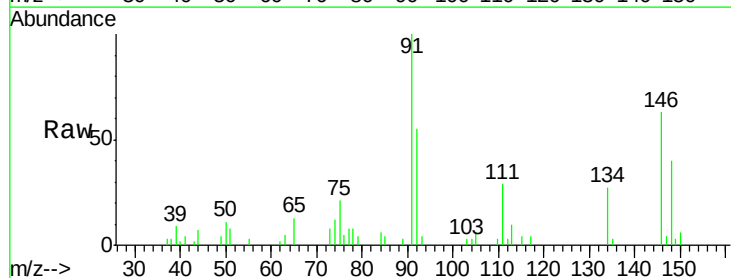
Manual Integrations
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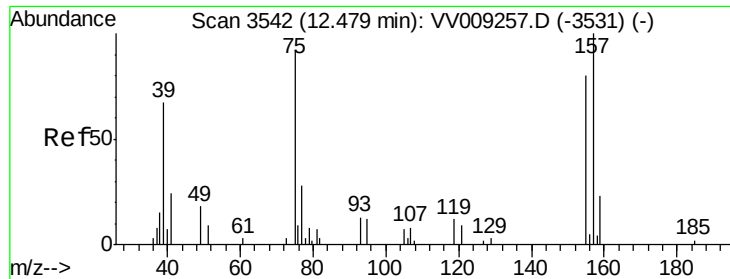
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1/25/2019 10:01:42 AM



#91
1,2-Dichlorobenzene
Concen: 2.991 ug/l
RT: 11.69 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VV009262.D
Acq: 24 Jan 2019 16:34

Tgt Ion:146 Resp: 5212
Ion Ratio Lower Upper
146 100
111 42.4 20.9 62.7
148 63.0 32.1 96.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.714 ug/l

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

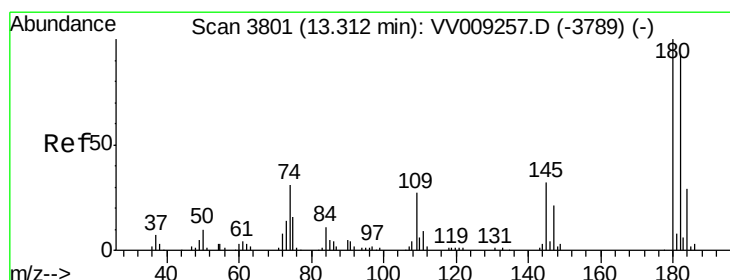
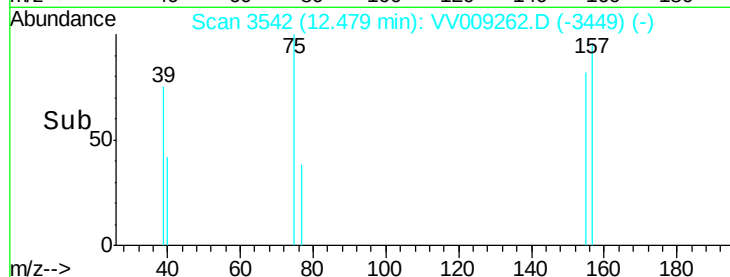
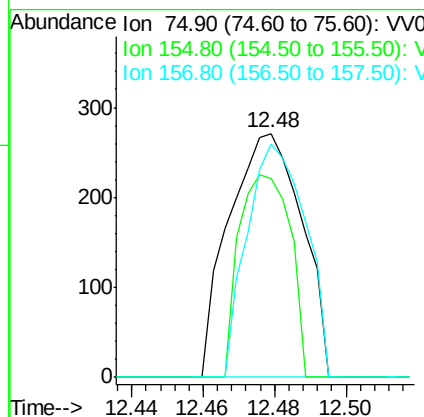
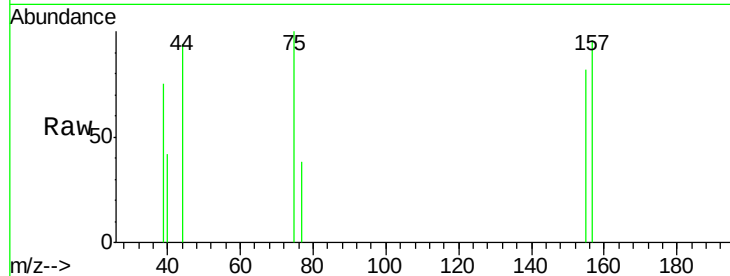
ClientSampleId :

MDL06

Tot Ion:	75	Resp:	383
Ion	Ratio	Lower	Upper
75	100		
155	58.2	41.1	123.4
157	76.8	53.2	159.6

Manual Integrations
APPROVED

MMDadoda
1/25/2019 10:01:42 AM



#93

1,2,4-Trichlorobenzene

Concen: 3.230 ug/l

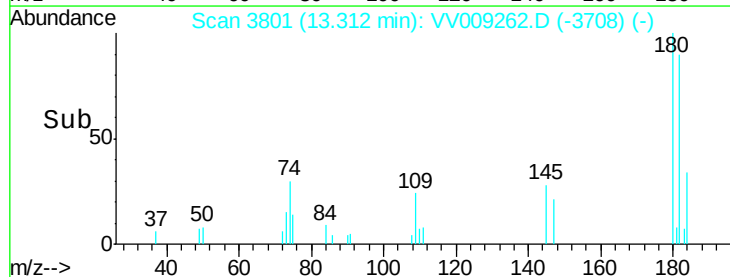
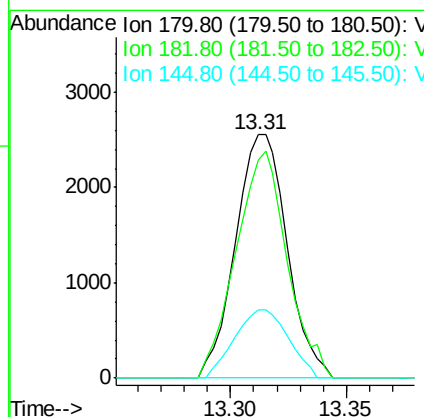
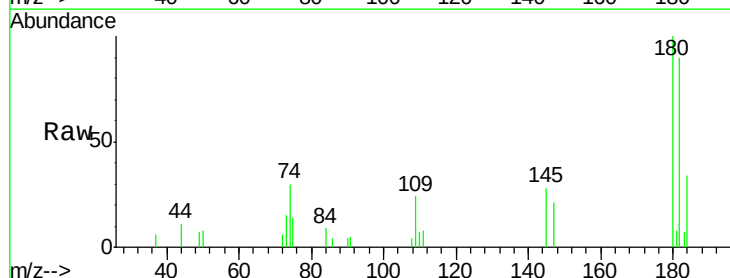
RT: 13.31 min Scan# 3801

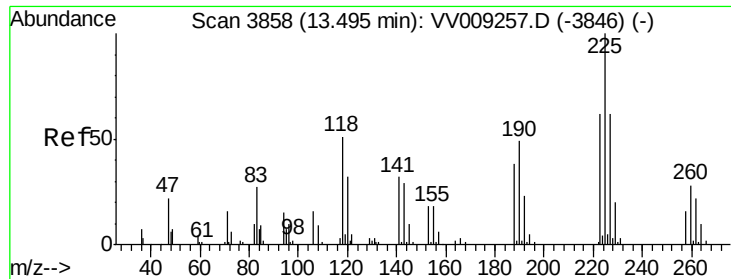
Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Tgt Ion:	180	Resp:	3944
Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.1	141.4
145	29.1	15.8	47.4





#94

Hexachlorobutadiene

Concen: 3.206 ug/l

RT: 13.50 min Scan# 3859

Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Instrument :

MSVOA_V

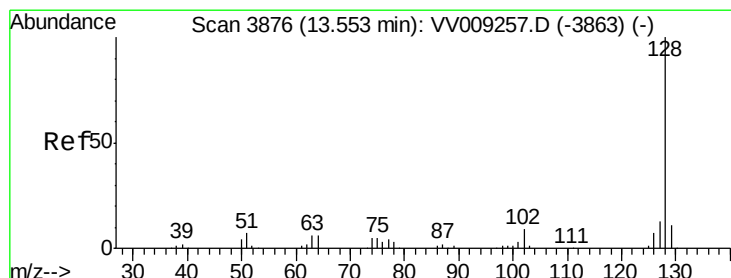
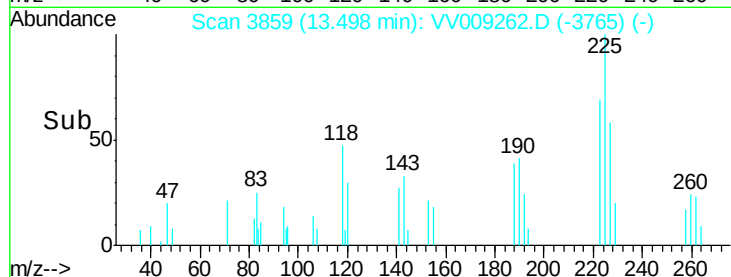
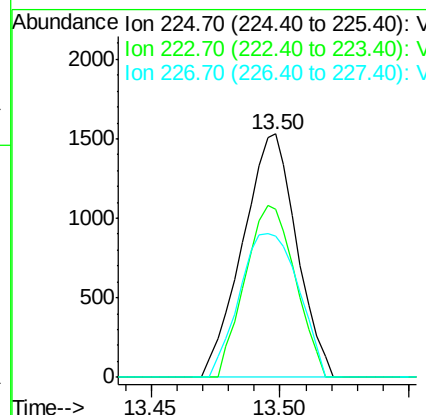
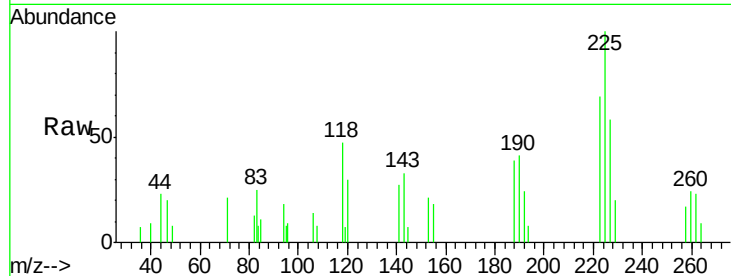
ClientSampled :

MDL06

Tot Ion:	225	Resp:	2238
Ion Ratio	Lower	Upper	
225	100		
223	65.6	31.3	93.9
227	64.5	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
1/25/2019 10:01:42 AM



#95

Naphthalene

Concen: 2.663 ug/l

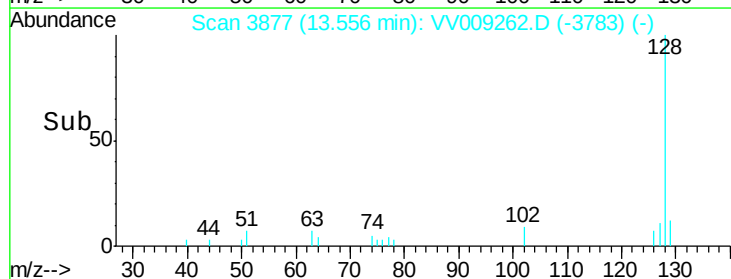
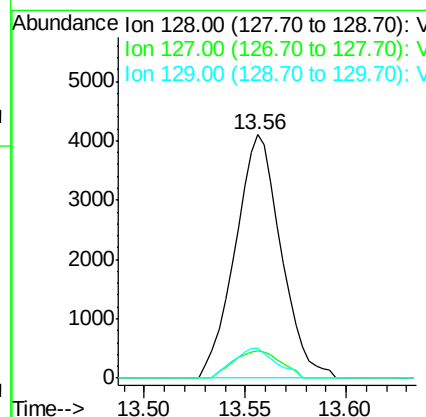
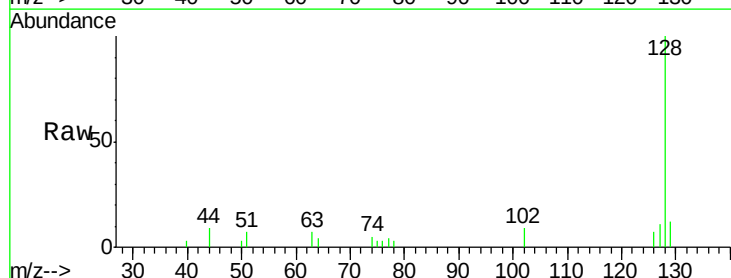
RT: 13.56 min Scan# 3877

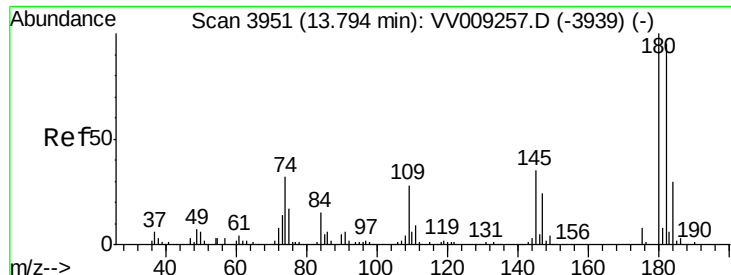
Delta R.T. 0.00 min

Lab File: VV009262.D

Acq: 24 Jan 2019 16:34

Tgt Ion:	128	Resp:	6514
Ion Ratio	Lower	Upper	
128	100		
127	11.5	10.4	15.6
129	11.4	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 3.309 ug/l
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV009262.D
 Acq: 24 Jan 2019 16:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.5	142.6
145	34.4	17.2	51.6

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:01:42 AM

