

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012419\
 Data File : VV009263.D
 Acq On : 24 Jan 2019 17:02
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:01:47 AM

Quant Time: Jan 24 23:53:16 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	81123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	141572	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	130475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	64543	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.08	65	50012	50.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.28%	
35) Dibromofluoromethane	4.64	113	45314	48.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.02%	
50) Toluene-d8	7.36	98	172445	48.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	10.12	95	63668	46.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.14	85	1478	2.180	ug/l	90
3) Chloromethane	1.25	50	2252	2.443	ug/l	99
4) Vinyl Chloride	1.32	62	1991	2.132	ug/l #	79
5) Bromomethane	1.53	94	1493	2.826	ug/l	94
6) Chloroethane	1.59	64	1178	2.406	ug/l	91
7) Trichlorofluoromethane	1.76	101	849	1.925	ug/l	92
8) Diethyl Ether	1.96	74	1013	2.307	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	2.13	101	2017	2.569	ug/l	89
10) Methyl Iodide	2.25	142	3090	2.389	ug/l #	89
11) Tert butyl alcohol	2.65	59	4982	48.560	ug/l #	76
12) 1,1-Dichloroethene	2.14	96	1858	2.277	ug/l #	86
13) Acrolein	2.06	56	548	11.608	ug/l	98
14) Allyl chloride	2.42	41	3028	2.485	ug/l	94
15) Acrylonitrile	2.76	53	2311	11.236	ug/l	96
16) Acetone	2.18	43	3555	15.241	ug/l	98
17) Carbon Disulfide	2.31	76	5239	2.287	ug/l	99
18) Methyl Acetate	2.45	43	2686	3.965	ug/l #	85
19) Methyl tert-butyl Ether	2.80	73	3322	2.601	ug/l #	90
20) Methylene Chloride	2.53	84	4011	4.371	ug/l	97
21) trans-1,2-Dichloroethene	2.78	96	1996	2.362	ug/l	90
22) Diisopropyl ether	3.33	45	7077	2.430	ug/l #	85
23) Vinyl Acetate	3.30	43	19256	10.723	ug/l	98
24) 1,1-Dichloroethane	3.21	63	3536	1.966	ug/l #	93
25) 2-Butanone	4.03	43	3866	10.904	ug/l #	90
26) 2,2-Dichloropropane	3.95	77	2008	2.201	ug/l	87
27) cis-1,2-Dichloroethene	3.96	96	2581	2.409	ug/l	92
28) Bromochloromethane	4.29	49	1864	2.583	ug/l #	92
29) Tetrahydrofuran	4.40	42	2122	10.501	ug/l	91
30) Chloroform	4.42	83	4647	2.571	ug/l #	84
31) Cyclohexane	4.72	56	5265	3.175	ug/l #	56
32) 1,1,1-Trichloroethane	4.65	97	3455	2.458	ug/l	96
36) 1,1-Dichloropropene	4.87	75	4064	2.867	ug/l	89
37) Ethyl Acetate	4.14	43	1949	5.522	ug/l #	70
38) Carbon Tetrachloride	4.87	117	2898	2.067	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	3982	2.241	ug/l	96
40) Benzene	5.14	78	9600	2.299	ug/l	95
41) Methacrylonitrile	4.31	41	843	2.041	ug/l #	75
42) 1,2-Dichloroethane	5.17	62	3006	2.315	ug/l	92
43) Isopropyl Acetate	5.33	43	2805	2.043	ug/l #	90
44) Trichloroethene	5.96	130	2616	2.347	ug/l	89
45) 1,2-Dichloropropane	6.22	63	2167	2.108	ug/l	92
46) Dibromomethane	6.35	93	1261	2.189	ug/l	96
47) Bromodichloromethane	6.55	83	2853	2.106	ug/l	95
48) Methyl methacrylate	6.42	41	1252	1.838	ug/l	96
49) 1,4-Dioxane	6.43	88	300m	33.194	ug/l	
51) 4-Methyl-2-Pentanone	7.28	43	7454	10.314	ug/l	97
52) Toluene	7.43	92	5756	2.183	ug/l	94
53) t-1,3-Dichloropropene	7.69	75	2730	1.993	ug/l	96
54) cis-1,3-Dichloropropene	7.07	75	3167	2.038	ug/l	99
55) 1,1,2-Trichloroethane	7.88	97	1873	2.332	ug/l	96
56) Ethyl methacrylate	7.83	69	1851	1.908	ug/l	97
57) 1,3-Dichloropropane	8.06	76	3010	2.104	ug/l	96
59) 2-Hexanone	8.19	43	4693	9.033	ug/l	95
60) Dibromochloromethane	8.29	129	1766	1.924	ug/l	96
61) 1,2-Dibromoethane	8.40	107	1651	2.046	ug/l	99
64) Tetrachloroethene	8.02	164	2108	2.343	ug/l	97
65) Chlorobenzene	8.93	112	7001	2.379	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	2161	2.200	ug/l	93
67) Ethyl Benzene	9.05	91	11324	2.268	ug/l	99
68) m/p-Xylenes	9.18	106	8114	4.237	ug/l	98
69) o-Xylene	9.59	106	4007	2.239	ug/l	93
70) Styrene	9.60	104	6103	2.094	ug/l	96
71) Bromoform	9.78	173	993	1.875	ug/l #	92
73) Isopropylbenzene	9.97	105	10397	2.169	ug/l	97
74) N-amyl acetate	9.84	43	2015	1.797	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	10.29	83	2180	2.212	ug/l	99
76) 1,2,3-Trichloropropane	10.32	75	1720	2.258	ug/l #	73
77) Bromobenzene	10.26	156	2905	2.598	ug/l	95
78) n-propylbenzene	10.40	91	13121	2.314	ug/l	99
79) 2-Chlorotoluene	10.47	91	8032	2.350	ug/l	98
80) 1,3,5-Trimethylbenzene	10.59	105	8888	2.205	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.05	75	398m	1.484	ug/l	
82) 4-Chlorotoluene	10.59	91	9557	2.359	ug/l	99
83) tert-Butylbenzene	10.91	119	8528	2.191	ug/l	97
84) 1,2,4-Trimethylbenzene	10.96	105	8991	2.172	ug/l	99
85) sec-Butylbenzene	11.13	105	11436	2.254	ug/l	100
86) p-Isopropyltoluene	11.29	119	9943	2.221	ug/l	98
87) 1,3-Dichlorobenzene	11.23	146	5542	2.447	ug/l	97
88) 1,4-Dichlorobenzene	11.32	146	5799m	2.508	ug/l	
89) n-Butylbenzene	11.70	91	10086	2.327	ug/l	99
90) Hexachloroethane	11.95	117	1644	2.076	ug/l	94
91) 1,2-Dichlorobenzene	11.69	146	5163	2.541	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.47	75	298	1.811	ug/l	87
93) 1,2,4-Trichlorobenzene	13.31	180	3720	2.612	ug/l	96

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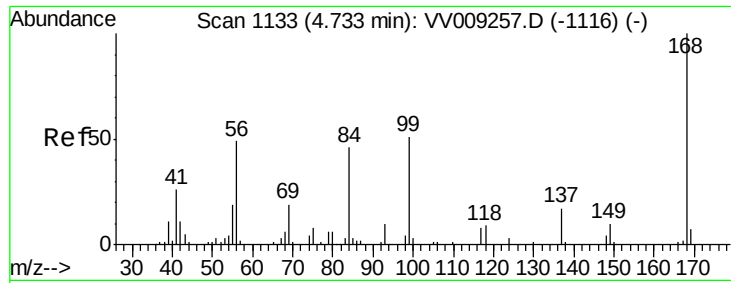
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.50	225	2273	2.792	ug/l	97
95) Naphthalene	13.56	128	6047	2.120	ug/l	98
96) 1,2,3-Trichlorobenzene	13.80	180	3311	2.636	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion:168 Resp: 81123

Ion Ratio Lower Upper

168 100

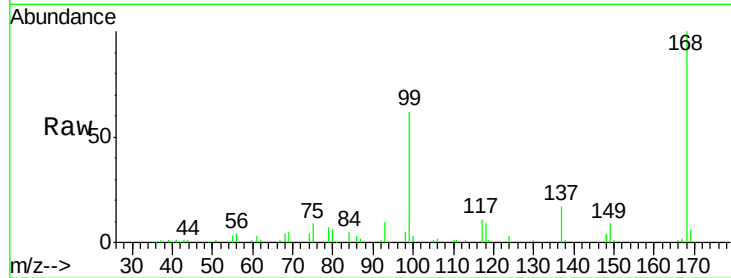
99 61.1 50.0 75.0

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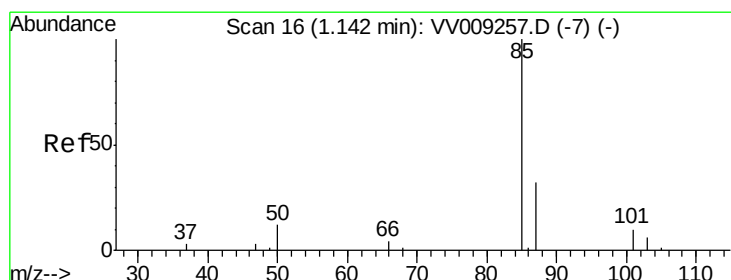
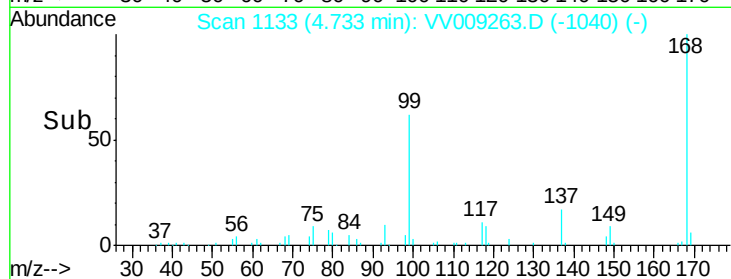
Abundance Ion 167.90 (167.60 to 168.60): VV009257.D (-1116) (-)

Ion 98.90 (98.60 to 99.60): VV009257.D (-1116) (-)

4.73

4.70 4.80

Time-->



#2

Dichlorodifluoromethane

Concen: 2.180 ug/l

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009263.D

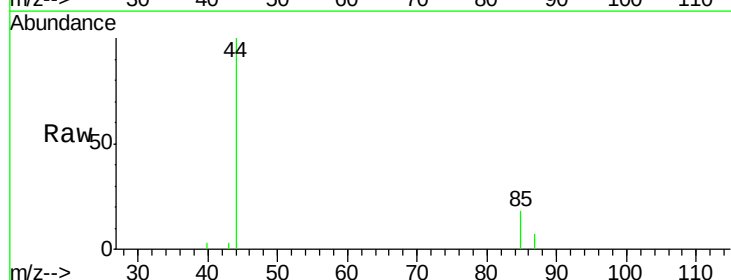
Acq: 24 Jan 2019 17:02

Tgt Ion: 85 Resp: 1478

Ion Ratio Lower Upper

85 100

87 37.6 16.0 47.9



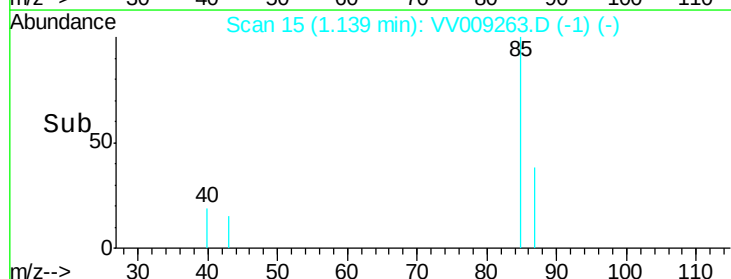
Abundance Ion 84.90 (84.60 to 85.60): VV009257.D (-7) (-)

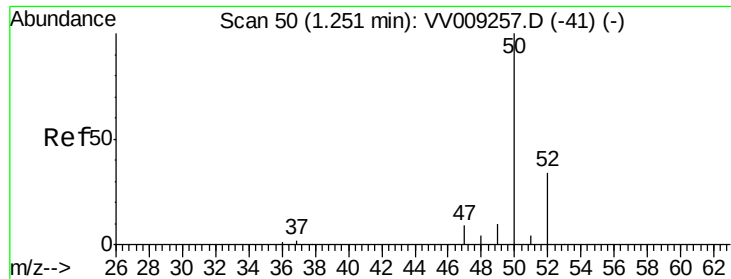
Ion 86.90 (86.60 to 87.60): VV009257.D (-7) (-)

1.14

1.10 1.15 1.20

Time-->





#3

Chloromethane

Concen: 2.443 ug/l

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 50 Resp: 2252

Ion Ratio Lower Upper

50 100

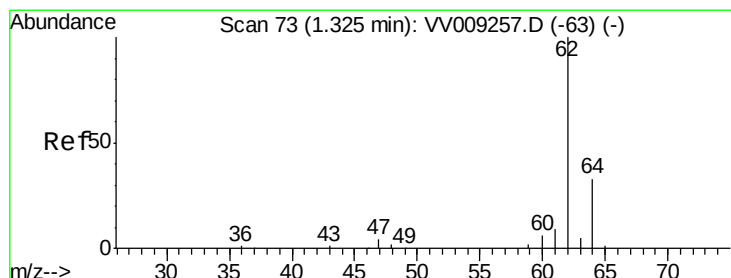
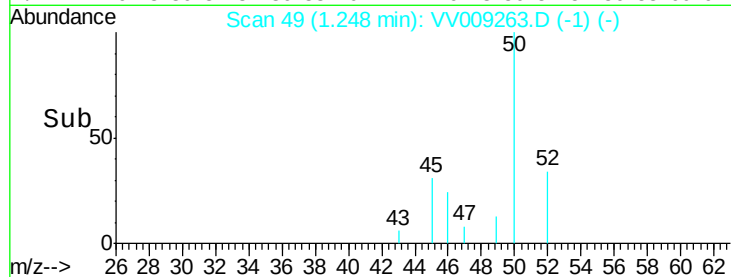
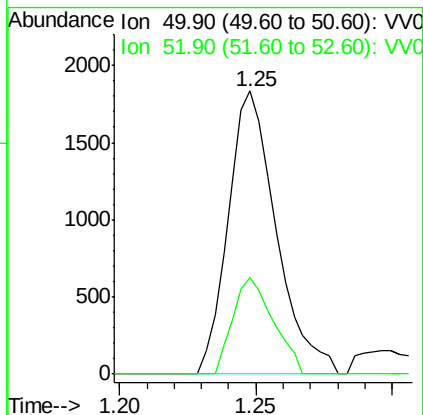
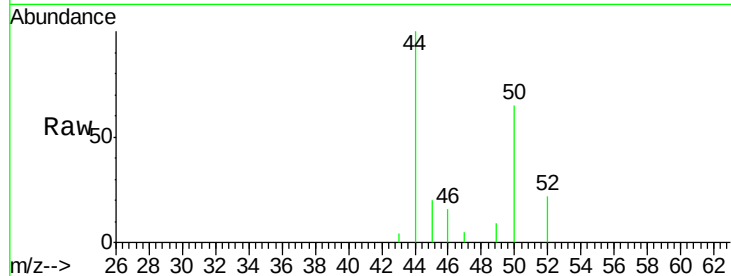
52 33.9 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.132 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009263.D

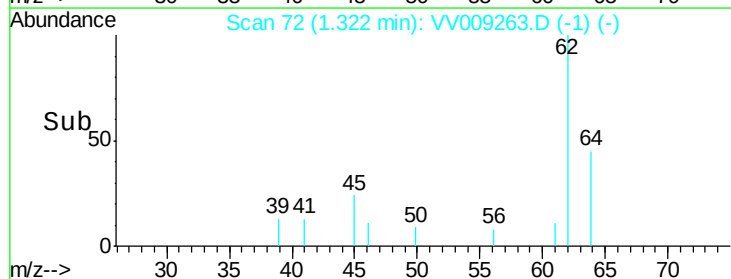
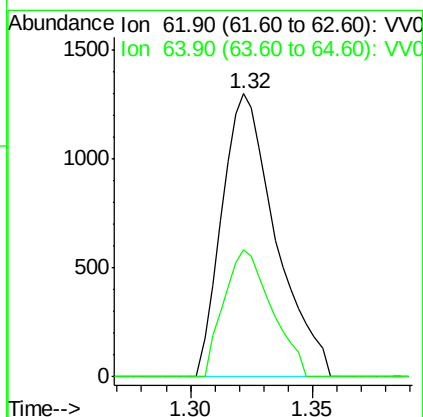
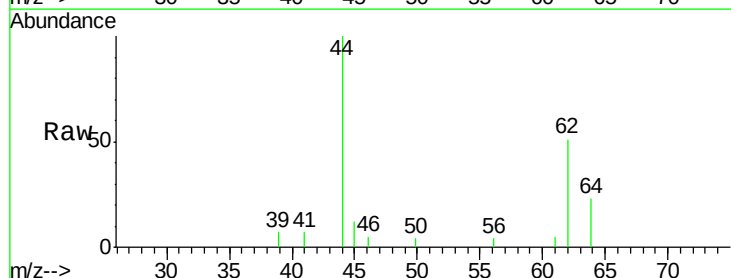
Acq: 24 Jan 2019 17:02

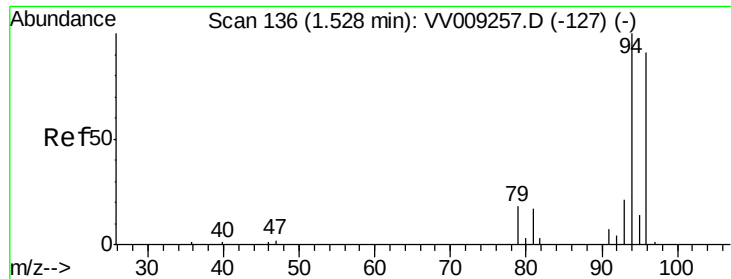
Tgt Ion: 62 Resp: 1991

Ion Ratio Lower Upper

62 100

64 44.7 26.3 39.5#





#5

Bromomethane

Concen: 2.826 ug/l

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 94 Resp: 1493

Ion Ratio Lower Upper

94 100

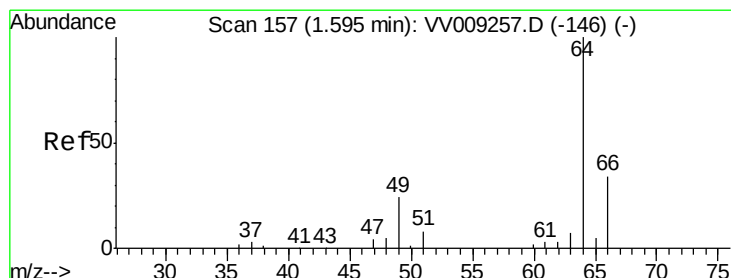
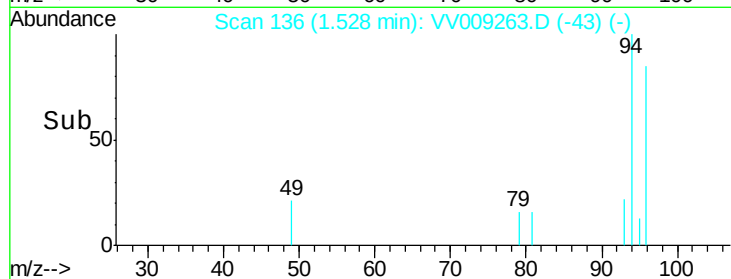
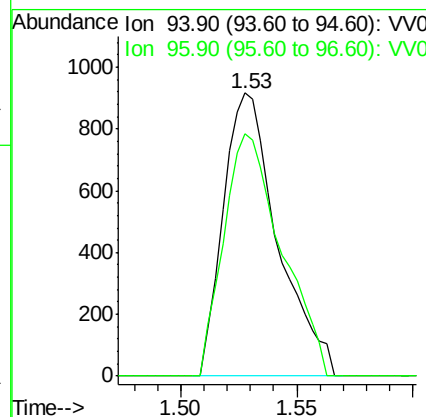
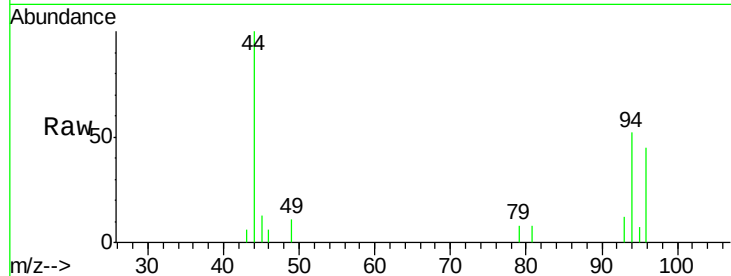
96 85.4 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 2.406 ug/l

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV009263.D

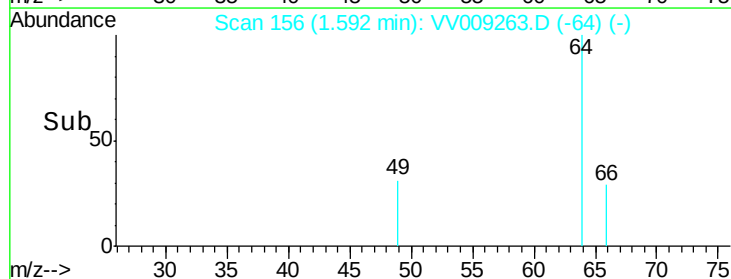
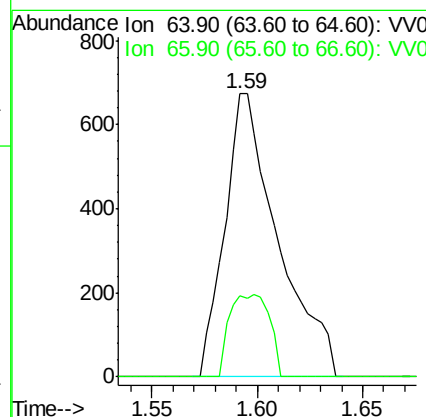
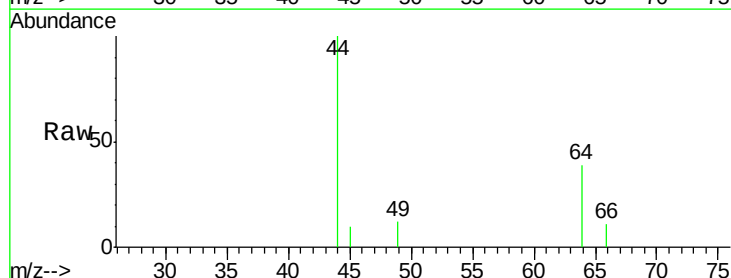
Acq: 24 Jan 2019 17:02

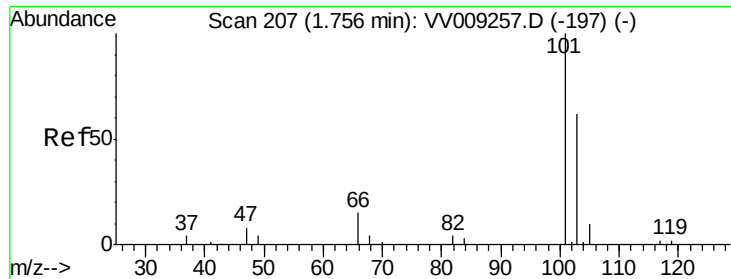
Tgt Ion: 64 Resp: 1178

Ion Ratio Lower Upper

64 100

66 28.8 27.0 40.6





#7

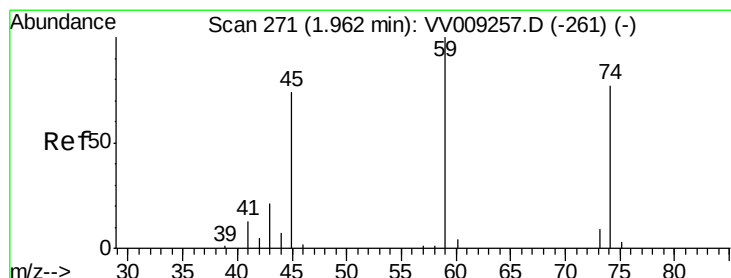
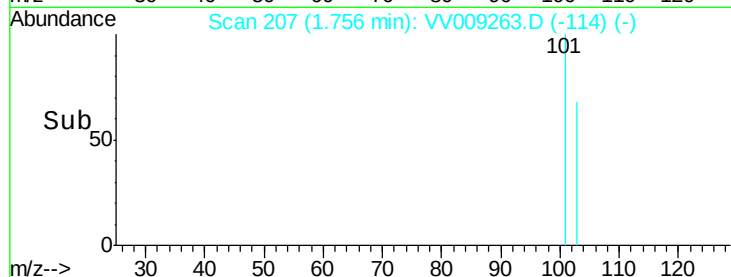
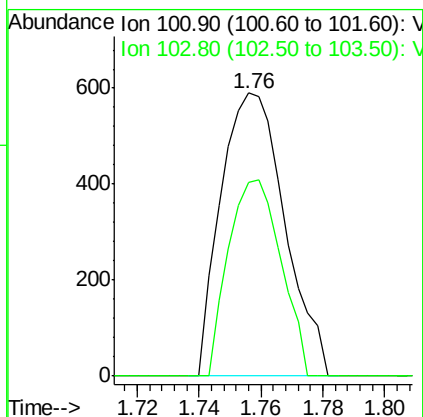
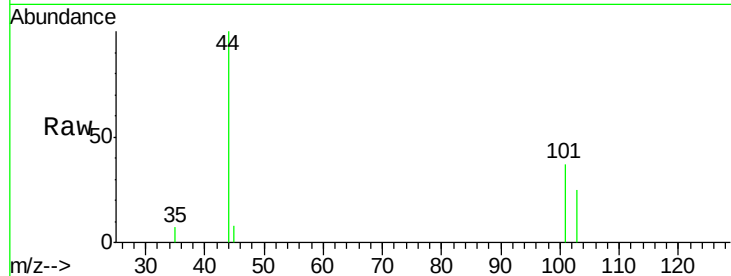
Trichlorofluoromethane
Concen: 1.925 ug/l
RT: 1.76 min Scan# 207
Delta R.T. 0.00 min
Lab File: VV009263.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	49.8	74.8

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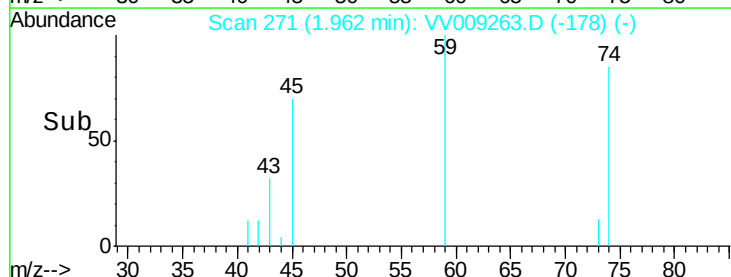
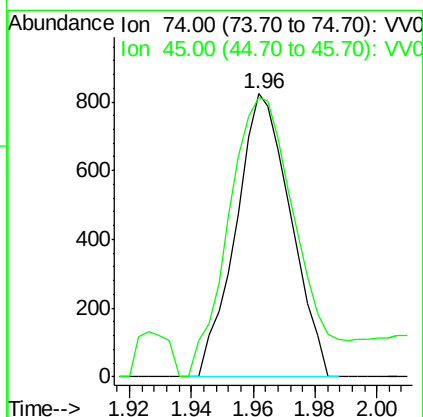
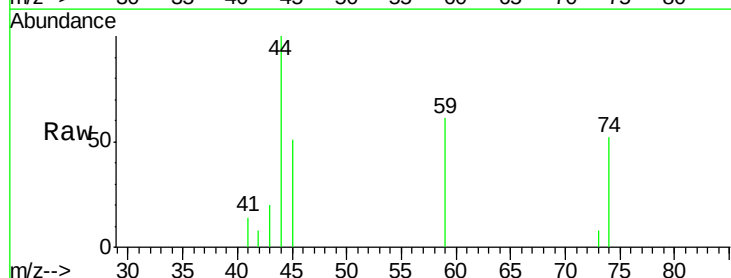
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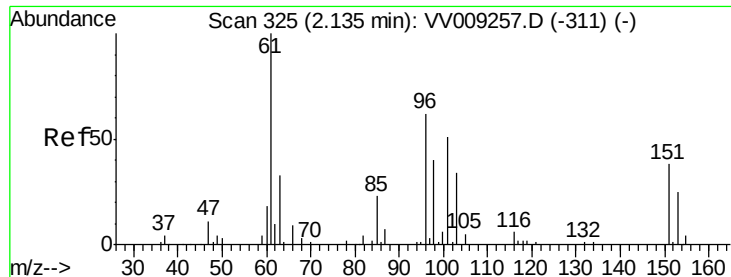


#8

Diethyl Ether
Concen: 2.307 ug/l
RT: 1.96 min Scan# 271
Delta R.T. 0.00 min
Lab File: VV009263.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.2	47.4	142.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.569 ug/l

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

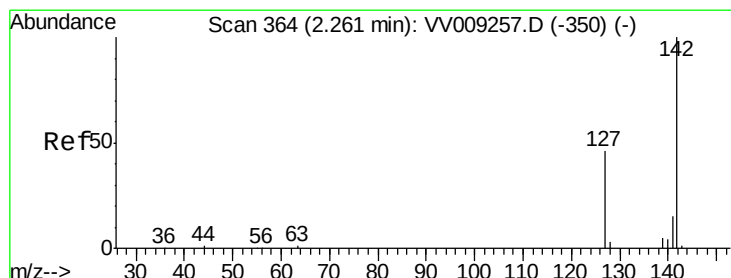
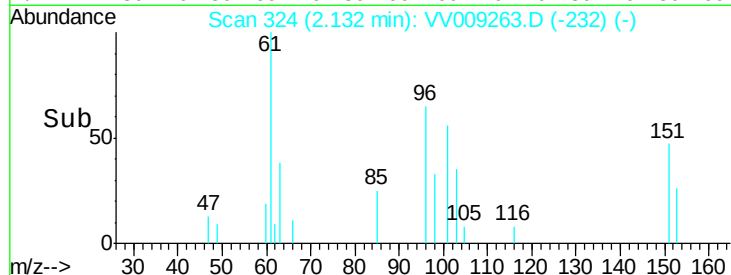
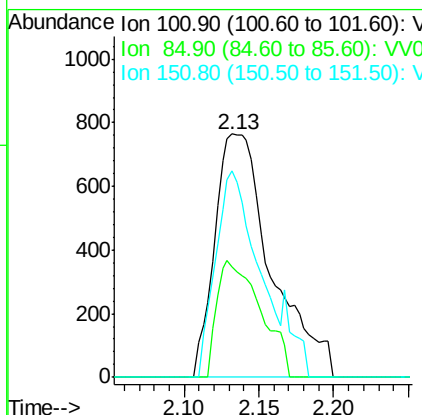
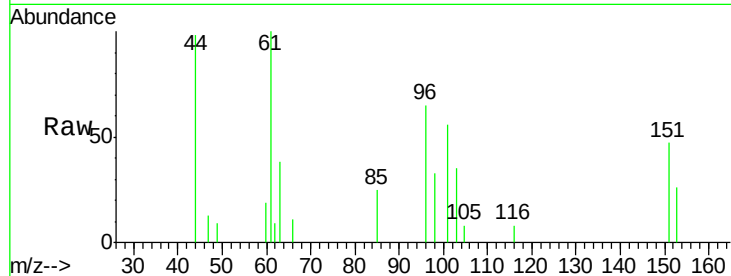
ClientSampleId :

MDL07

Tot Ion:	101	Resp:	2017
Ion Ratio	Lower	Upper	
101	100		
85	37.1	33.8	50.6
151	62.5	58.3	87.5

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#10

Methyl Iodide

Concen: 2.389 ug/l

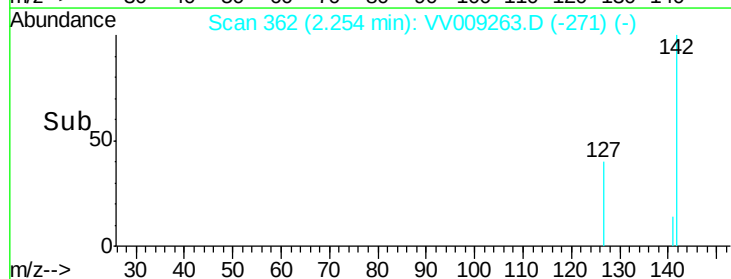
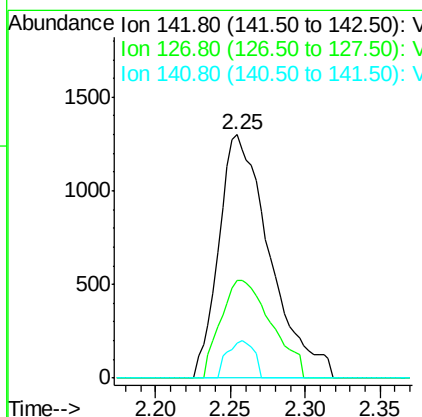
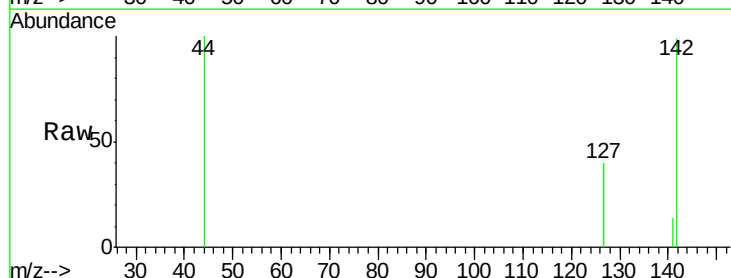
RT: 2.25 min Scan# 362

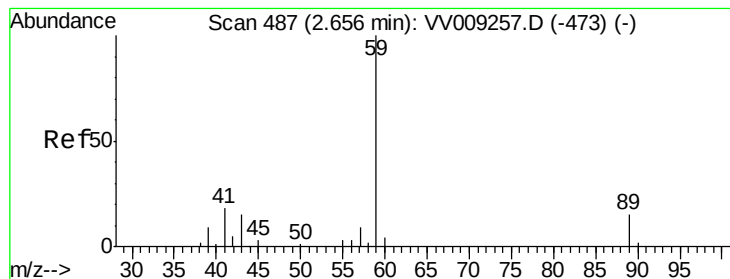
Delta R.T. -0.01 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Tgt Ion:	142	Resp:	3090
Ion Ratio	Lower	Upper	
142	100		
127	39.8	36.8	55.2
141	8.0	11.6	17.4#





#11

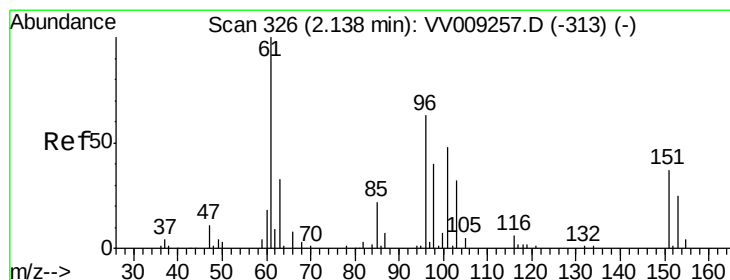
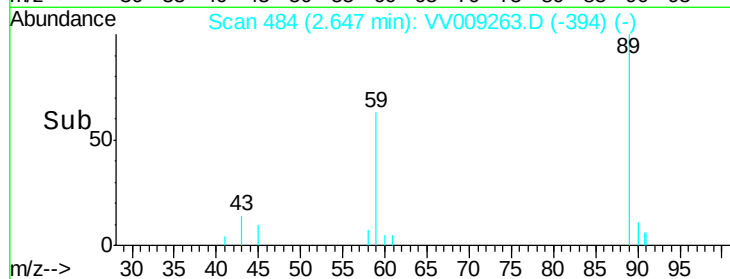
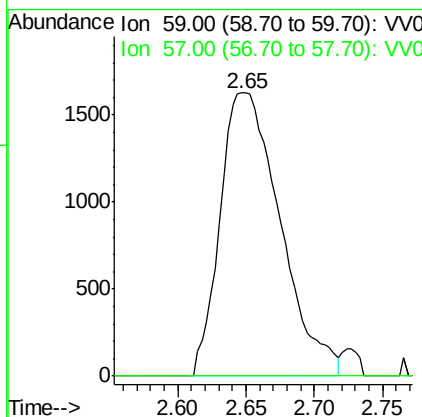
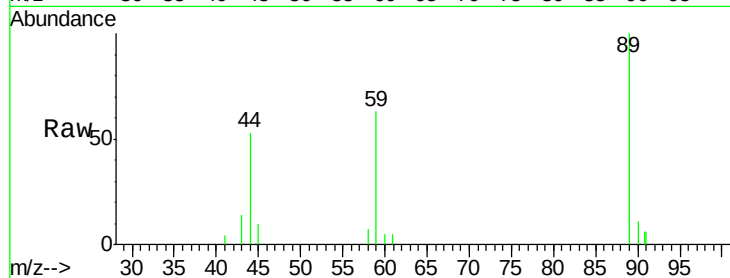
Tert butyl alcohol
 Concen: 48.560 ug/l
 RT: 2.65 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	59	57	Ratio	100	0.0	Resp:	4982	Lower	Upper

Manual Integrations
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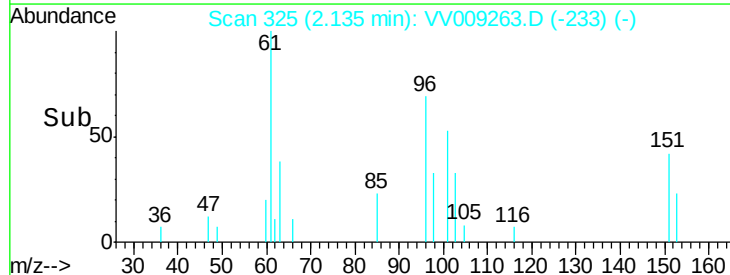
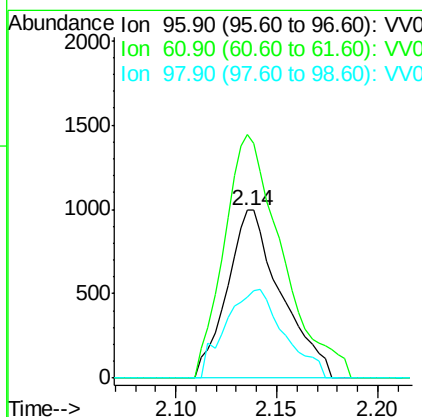
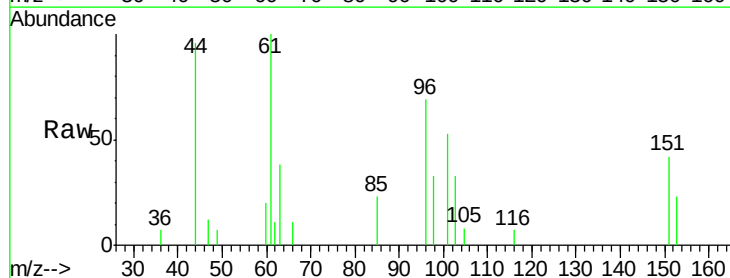
MMDadoda
 1/25/2019 10:01:47 AM

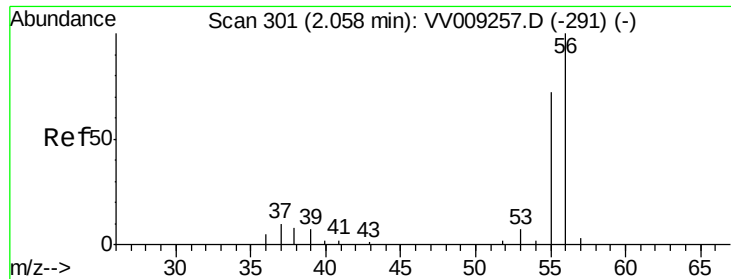


#12

1,1-Dichloroethene
 Concen: 2.277 ug/l
 RT: 2.14 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Tgt Ion	96	61	98	Ratio	100	144.9	48.0	Resp:	1858	Lower	Upper





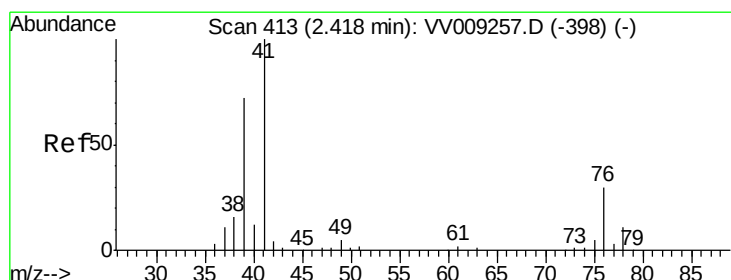
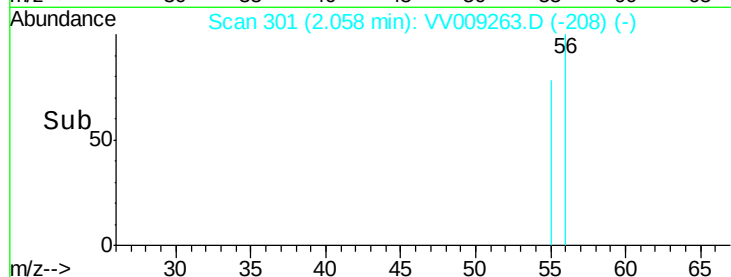
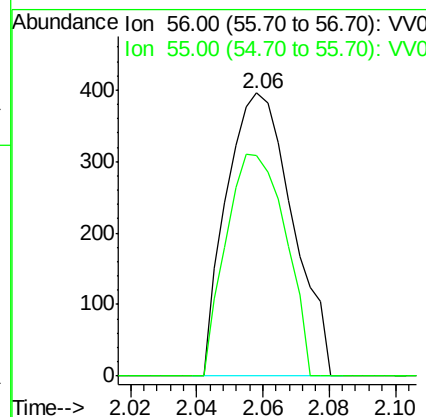
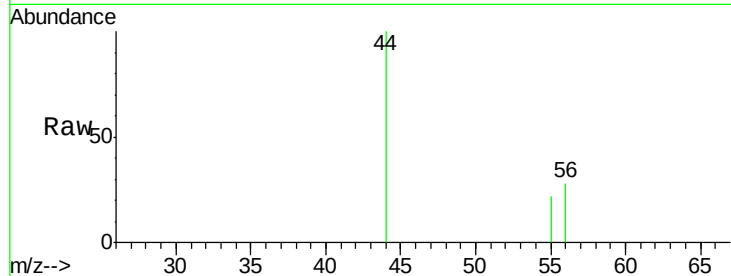
#13
Acrolein
Concen: 11.608 ug/l
RT: 2.06 min Scan# 301
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion: 56 Resp: 548
Ion Ratio Lower Upper
56 100
55 70.3 54.8 82.2

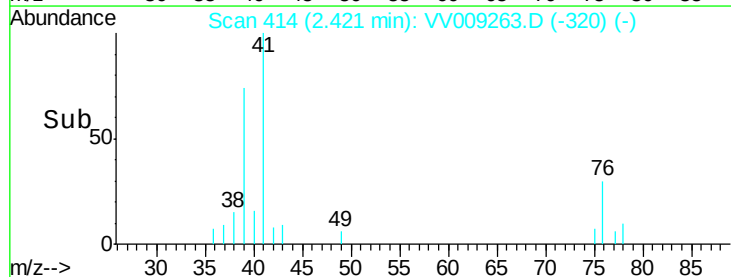
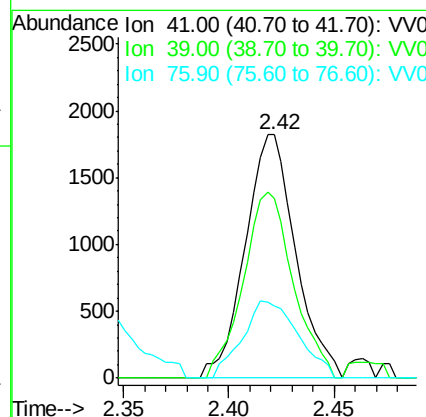
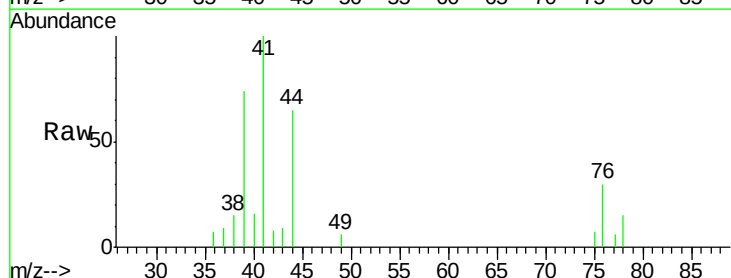
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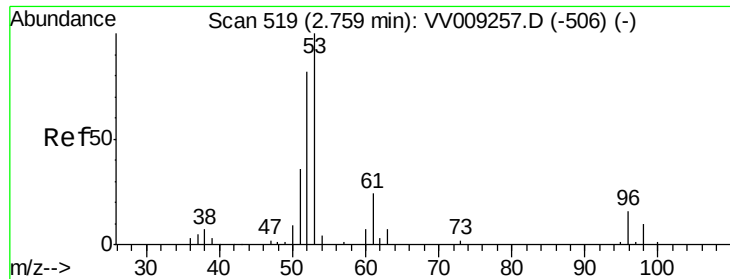
MMDadoda
1/25/2019 10:01:47 AM



#14
Allyl chloride
Concen: 2.485 ug/l
RT: 2.42 min Scan# 414
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Tgt Ion: 41 Resp: 3028
Ion Ratio Lower Upper
41 100
39 75.6 56.4 84.6
76 34.9 30.6 46.0





#15

Acrylonitrile

Concen: 11.236 ug/l

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

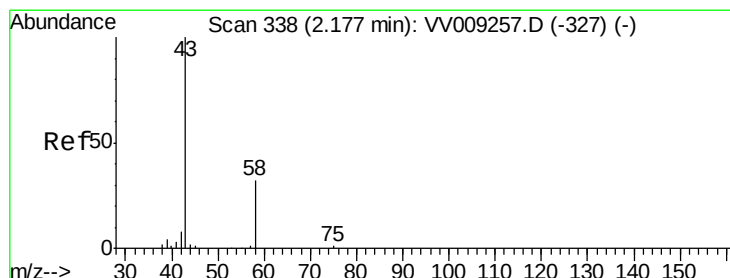
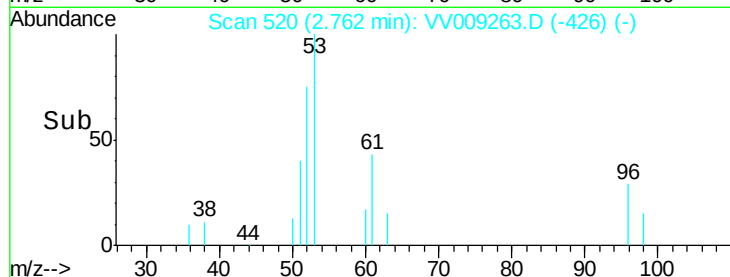
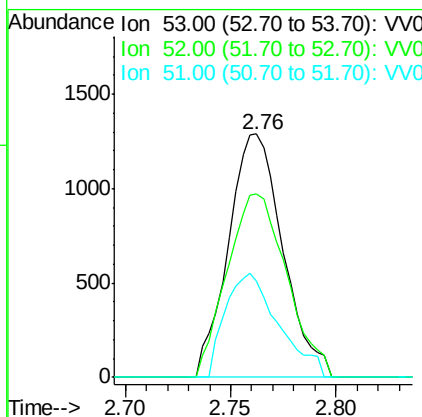
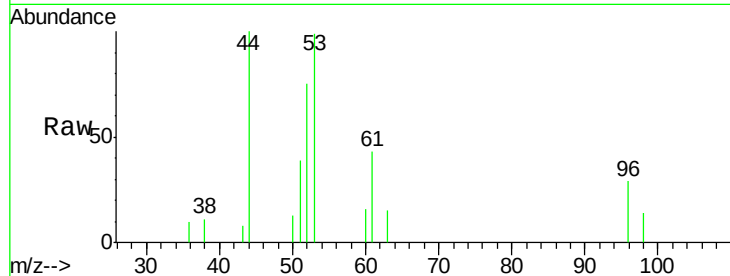
ClientSampleId :

MDL07

Tot Ion:	53	Resp:	2311
Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.2	100.8
51	41.7	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 15.241 ug/l

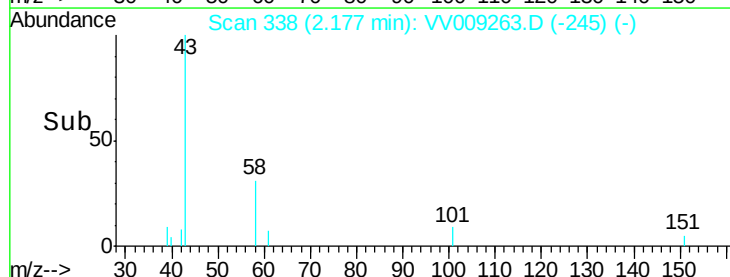
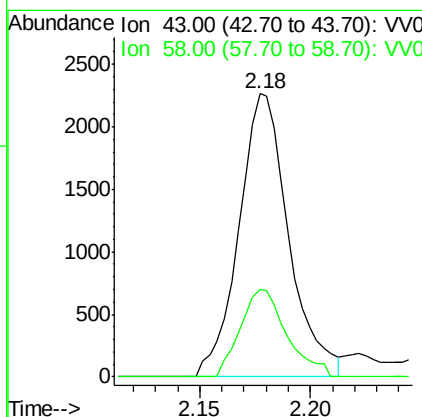
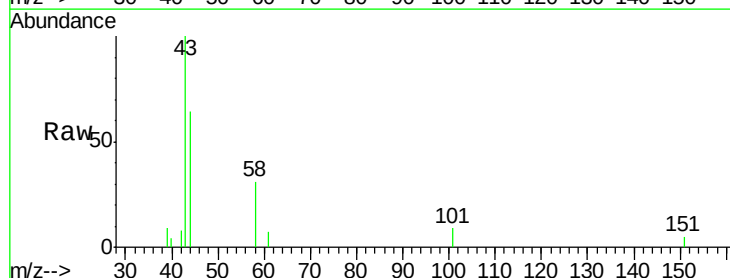
RT: 2.18 min Scan# 338

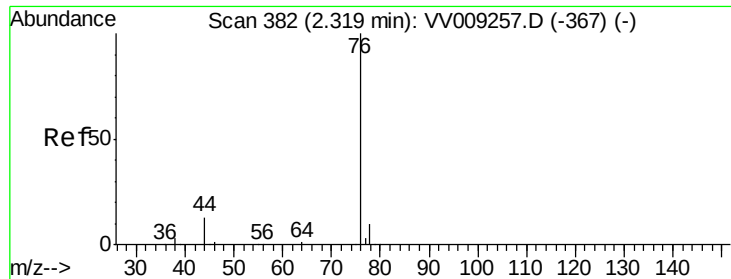
Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Tgt Ion:	43	Resp:	3555
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.8	38.6





#17

Carbon Disulfide

Concen: 2.287 ug/l

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 76 Resp: 5239

Ion Ratio Lower Upper

76 100

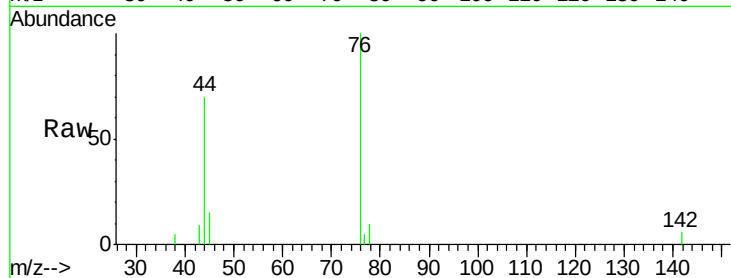
78 10.1 7.9 11.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VV009257.D (-367) (-)

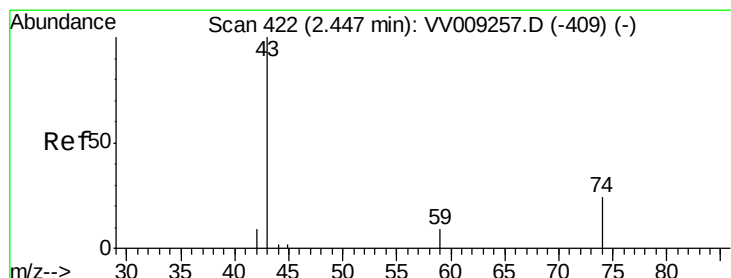
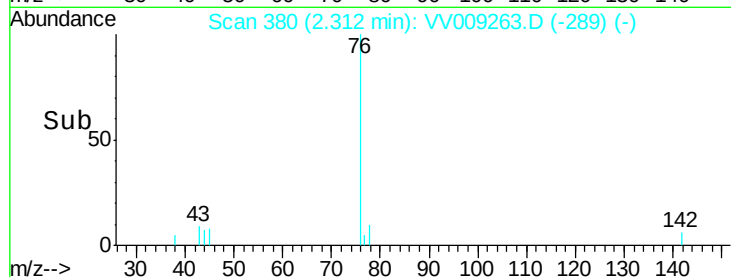
Ion 77.90 (77.60 to 78.60): VV009257.D (-367) (-)

2.31

2.35

2.40

Time-->



#18

Methyl Acetate

Concen: 3.965 ug/l

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV009263.D

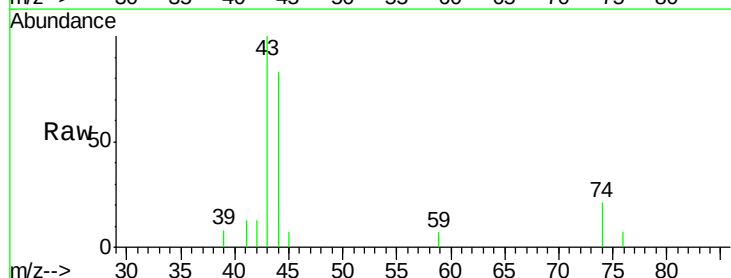
Acq: 24 Jan 2019 17:02

Tgt Ion: 43 Resp: 2686

Ion Ratio Lower Upper

43 100

74 16.7 19.4 29.2#



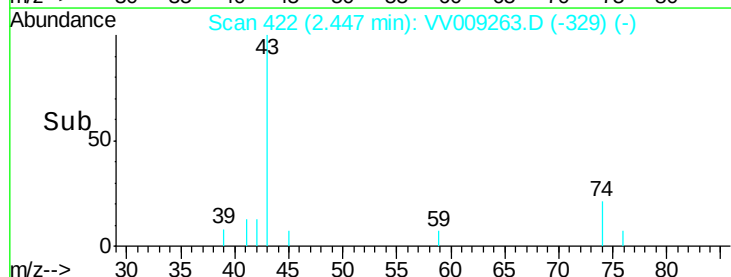
Abundance Ion 43.00 (42.70 to 43.70): VV009257.D (-409) (-)

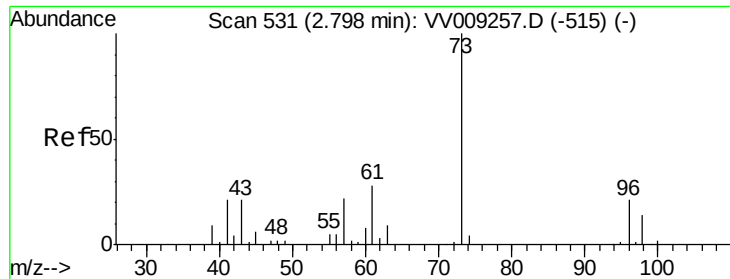
Ion 74.00 (73.70 to 74.70): VV009257.D (-409) (-)

2.45

2.50

Time-->





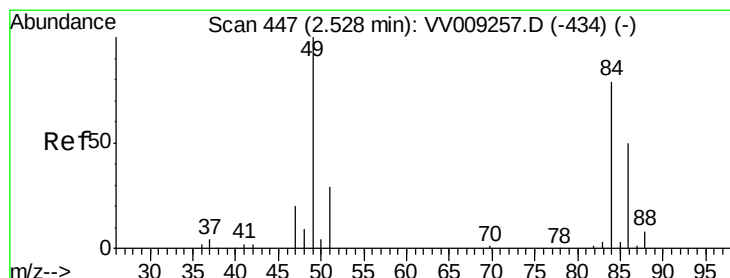
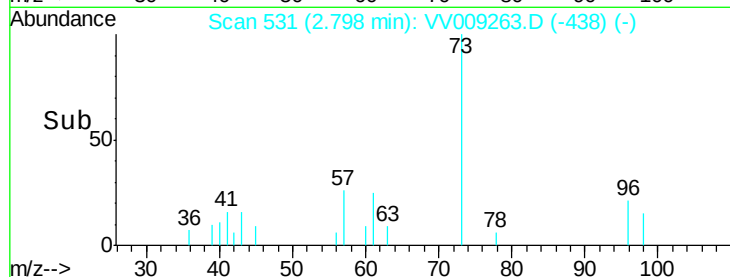
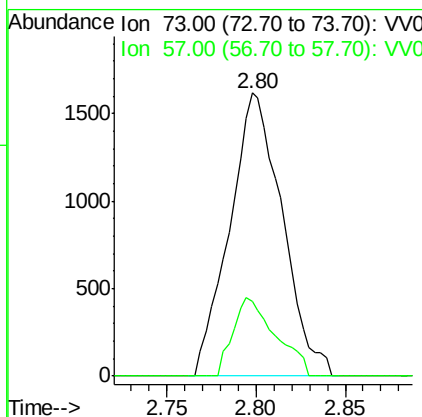
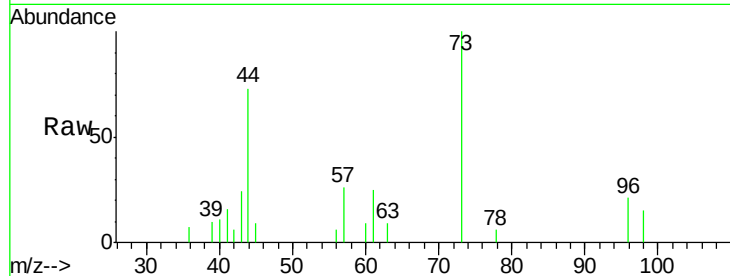
#19
Methyl tert-butyl Ether
Concen: 2.601 ug/l
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion: 73 Resp: 3322
Ion Ratio Lower Upper
73 100
57 26.2 17.3 25.9#

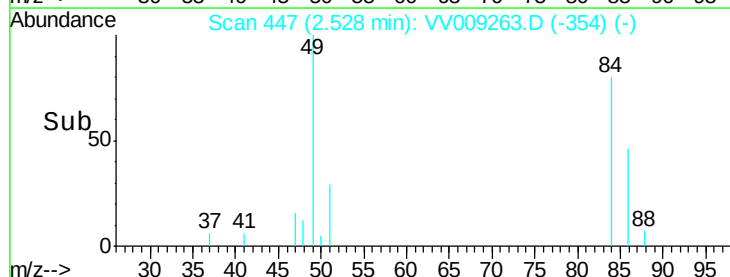
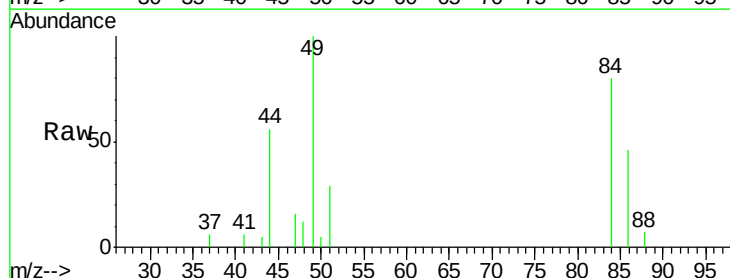
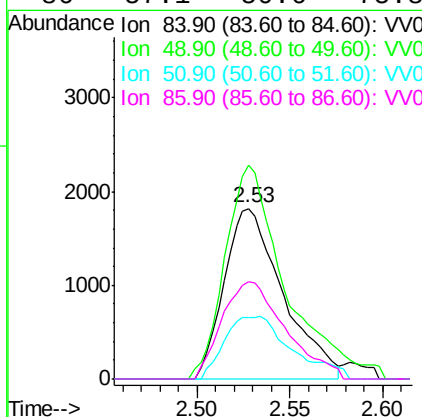
Manual Integrations
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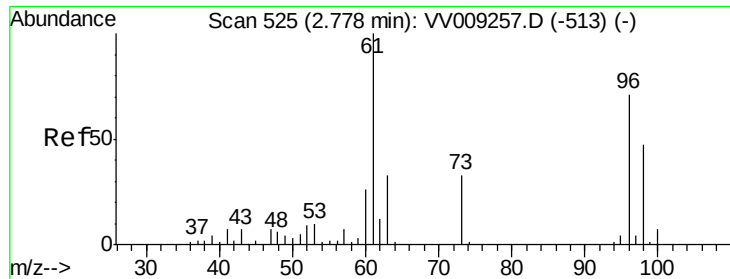
MMDadoda
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#20
Methylene Chloride
Concen: 4.371 ug/l
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Tgt Ion: 84 Resp: 4011
Ion Ratio Lower Upper
84 100
49 125.1 101.5 152.3
51 35.8 29.6 44.4
86 57.1 50.6 75.8





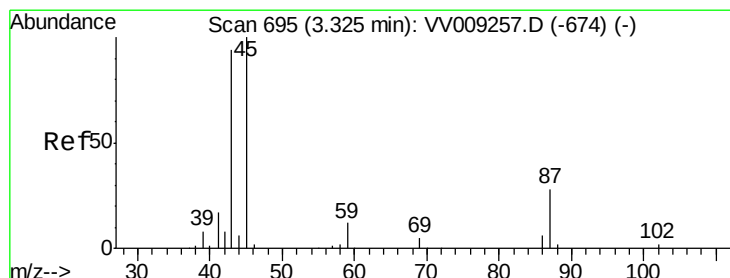
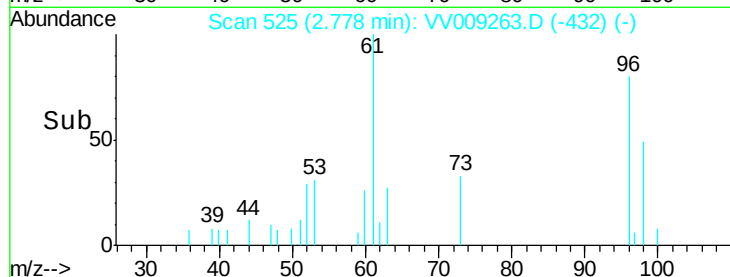
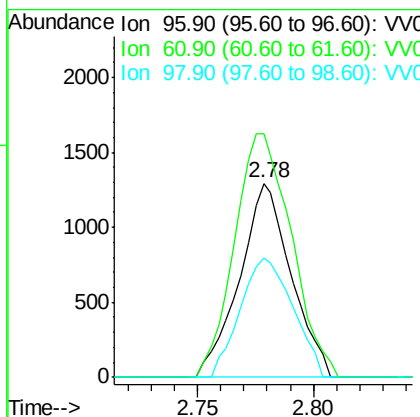
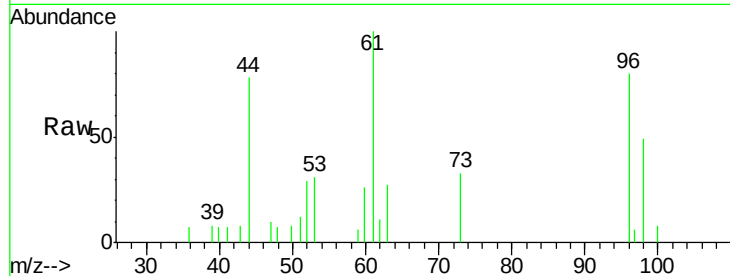
#21
trans-1,2-Dichloroethene
Concen: 2.362 ug/l
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.6	112.1	168.1
98	61.4	52.8	79.2

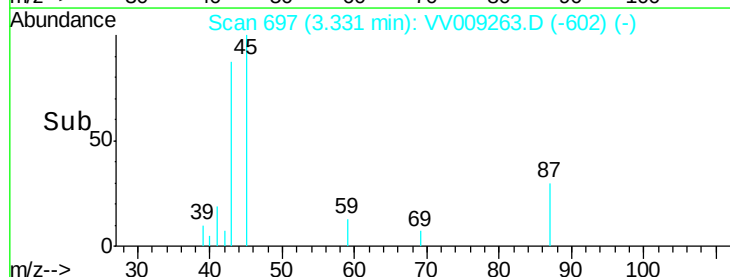
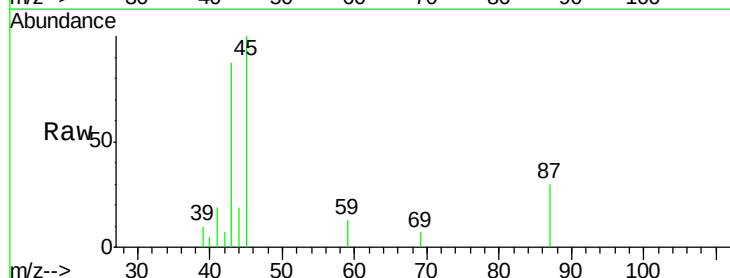
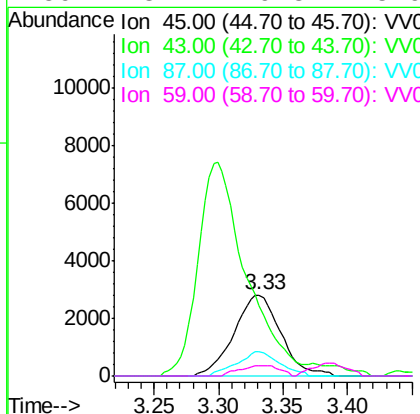
Manual Integrations
APPROVED

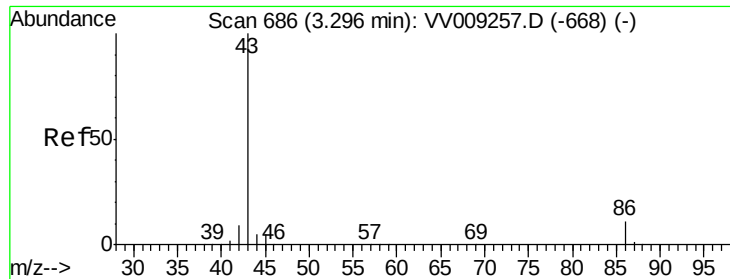
MMDadoda
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#22
Diisopropyl ether
Concen: 2.430 ug/l
RT: 3.33 min Scan# 697
Delta R.T. 0.01 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.8	75.3	112.9#
87	30.5	22.4	33.6
59	13.2	9.3	13.9





#23

Vinyl Acetate

Concen: 10.723 ug/l

RT: 3.30 min Scan# 687

Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 43 Resp: 19256

Ion Ratio Lower Upper

43 100

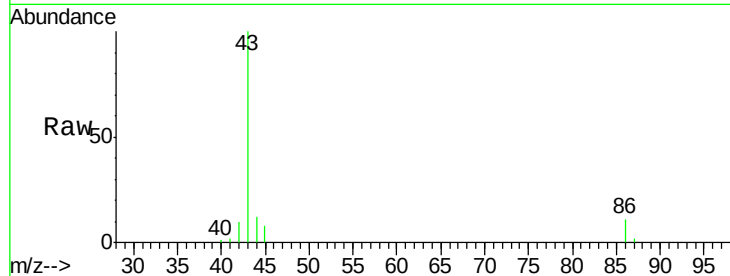
86 11.4 8.5 12.7

Manual Integrations

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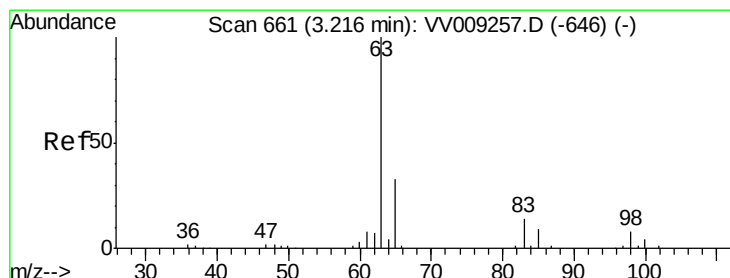
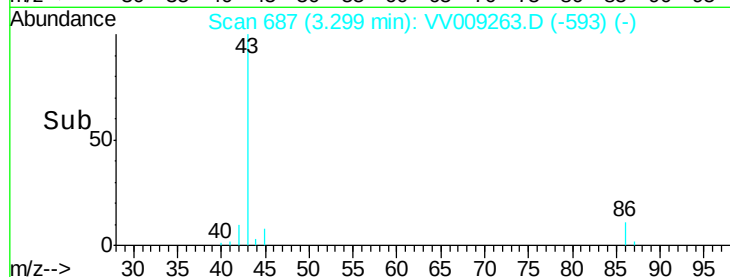
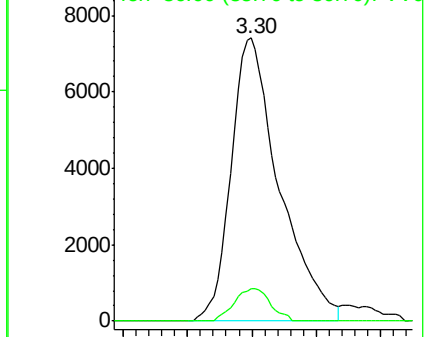
MMDadoda

1/25/2019 10:01:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 86.00 (85.70 to 86.70): VV0



#24

1,1-Dichloroethane

Concen: 1.966 ug/l

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

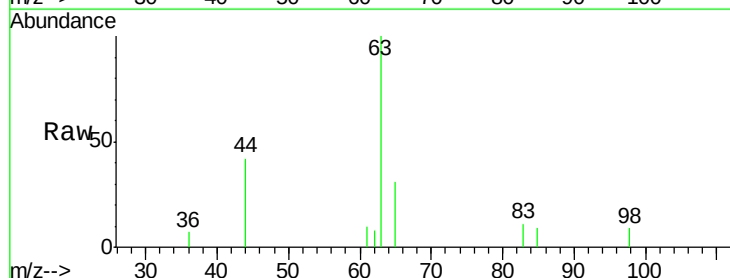
Tgt Ion: 63 Resp: 3536

Ion Ratio Lower Upper

63 100

98 9.0 3.8 11.4

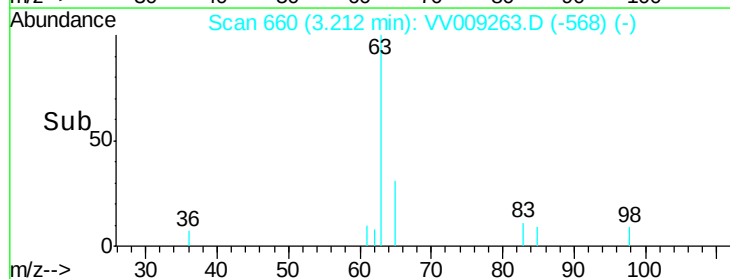
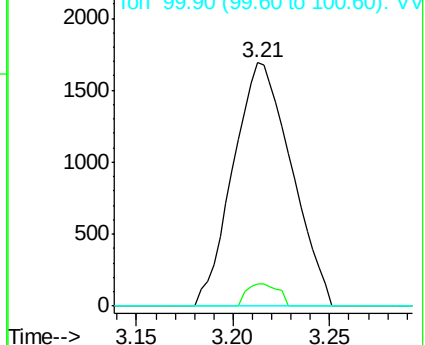
100 0.0 2.0 6.0#

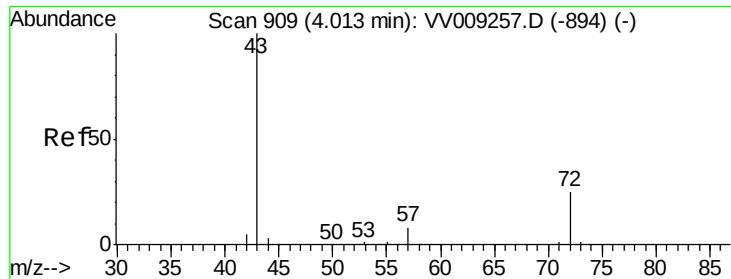


Abundance Ion 62.90 (62.60 to 63.60): VV0

Ion 97.90 (97.60 to 98.60): VV0

Ion 99.90 (99.60 to 100.60): VV0





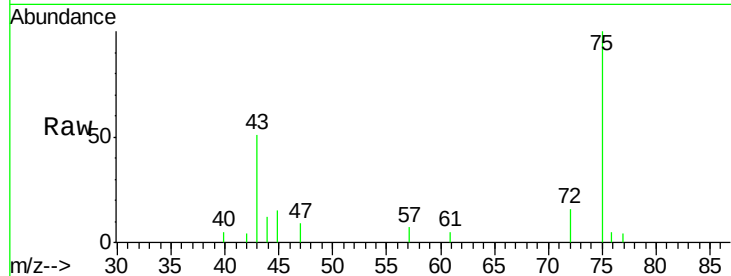
#25
2-Butanone
Concen: 10.904 ug/l
RT: 4.03 min Scan# 914
Delta R.T. 0.02 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Instrument :
MSVOA_V
ClientSampleId :
MDL07

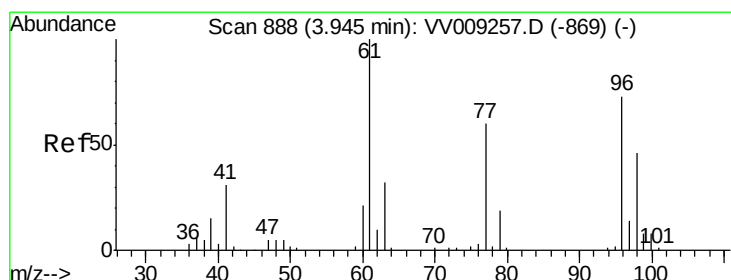
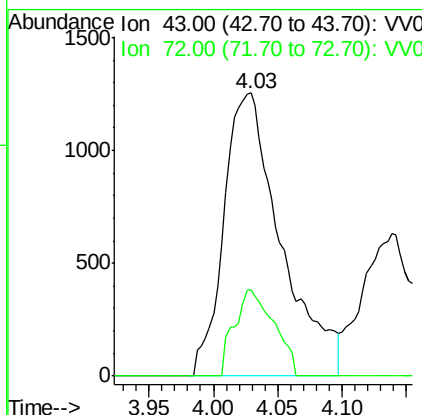
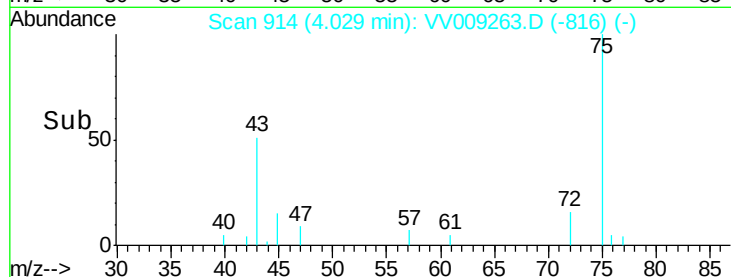
Tot Ion: 43 Resp: 3866
Ion Ratio Lower Upper
43 100
72 30.4 20.2 30.4#

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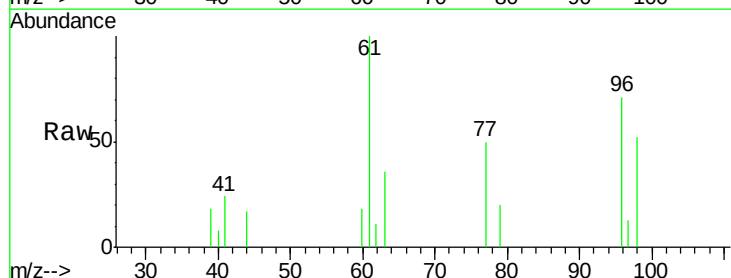


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0

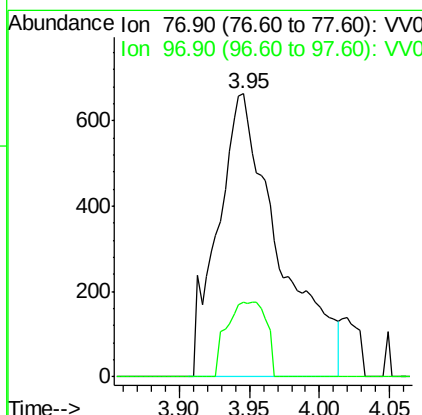
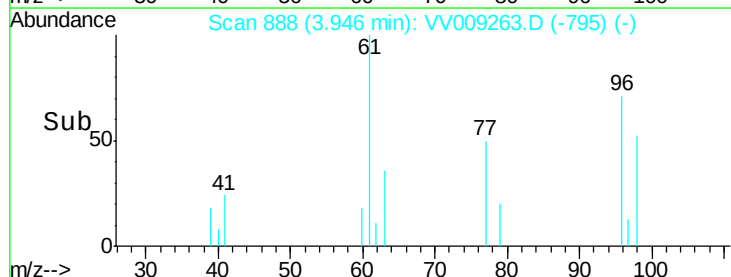


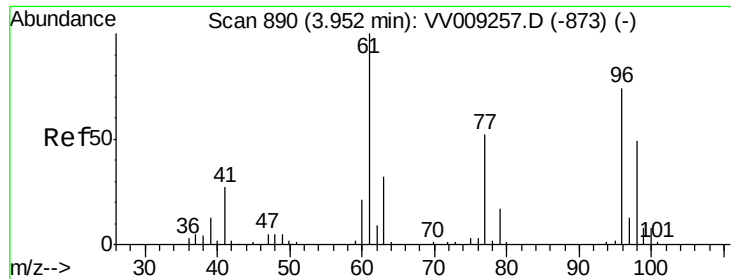
#26
2,2-Dichloropropane
Concen: 2.201 ug/l
RT: 3.95 min Scan# 888
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Tgt Ion: 77 Resp: 2008
Ion Ratio Lower Upper
77 100
97 16.9 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VV0
Ion 96.90 (96.60 to 97.60): VV0





#27

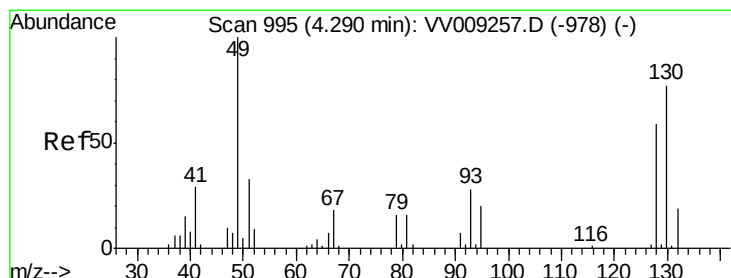
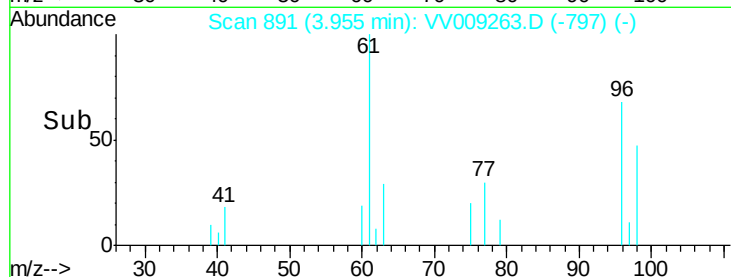
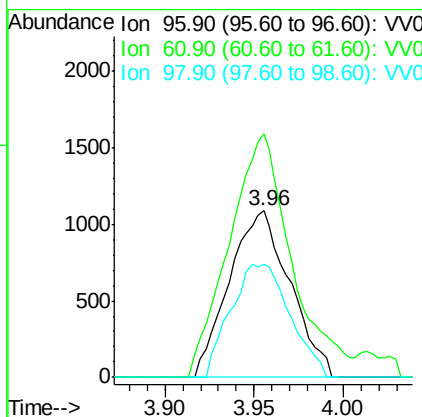
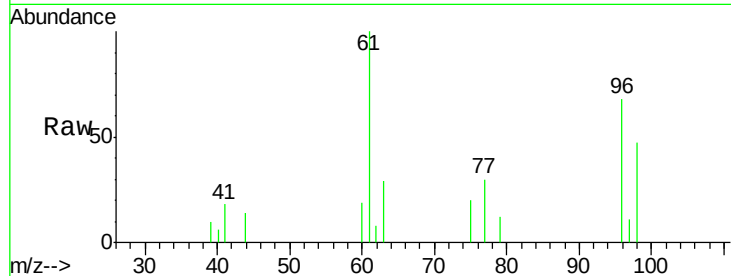
cis-1,2-Dichloroethene
Concen: 2.409 ug/l
RT: 3.96 min Scan# 891
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.7	0.0	277.6
98	66.3	0.0	127.6

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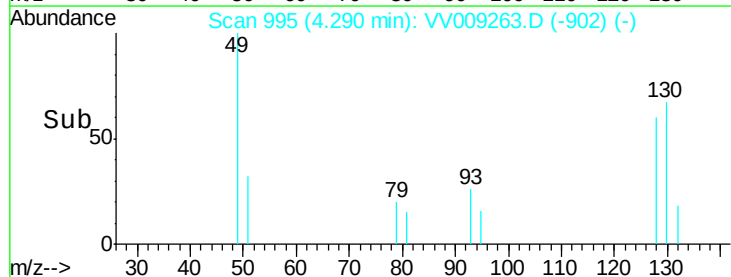
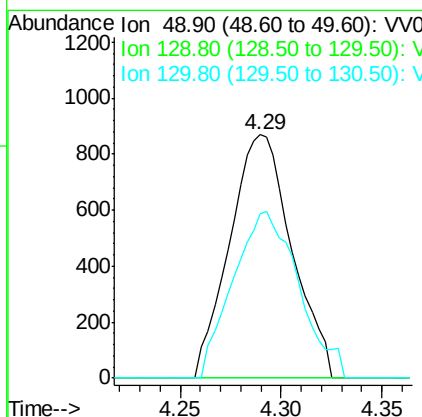
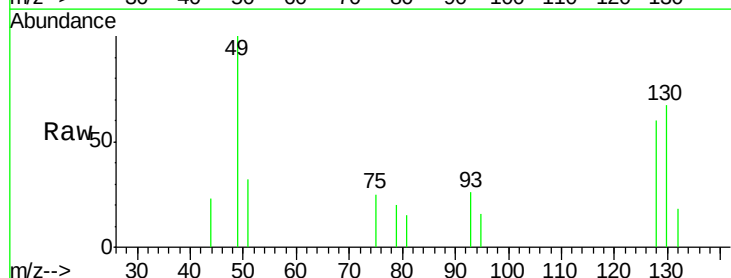
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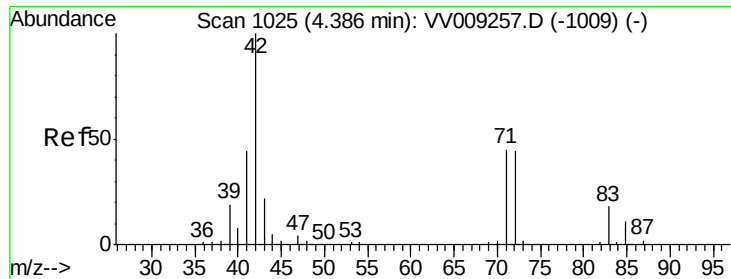


#28

Bromochloromethane
Concen: 2.583 ug/l
RT: 4.29 min Scan# 995
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	72.3	63.8	95.8





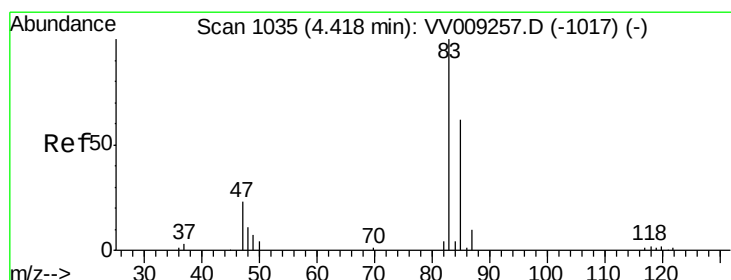
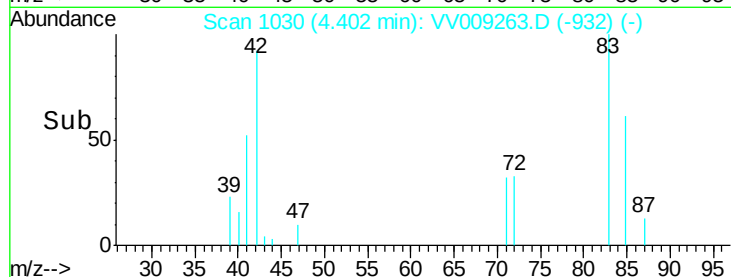
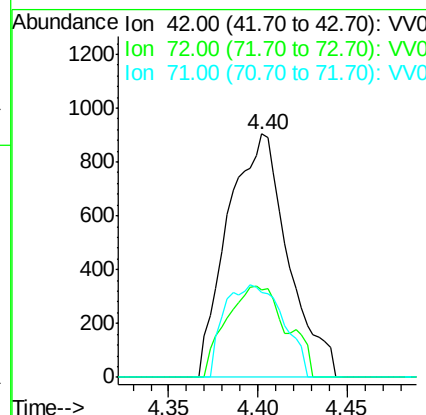
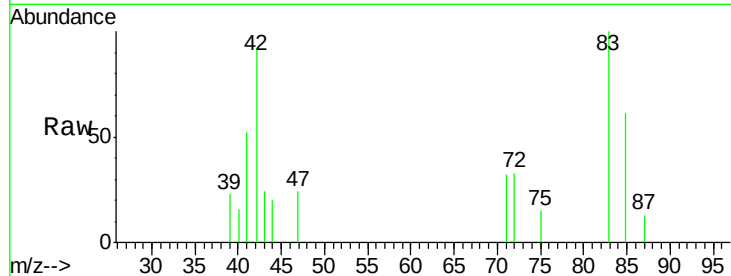
#29
Tetrahydrofuran
Concen: 10.501 ug/l
RT: 4.40 min Scan# 1030
Delta R.T. 0.02 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	36.0	54.0
71	37.1	33.3	49.9

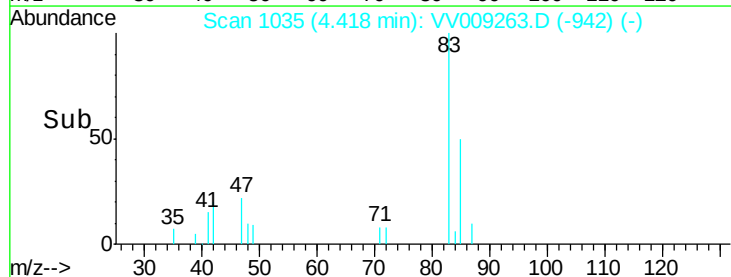
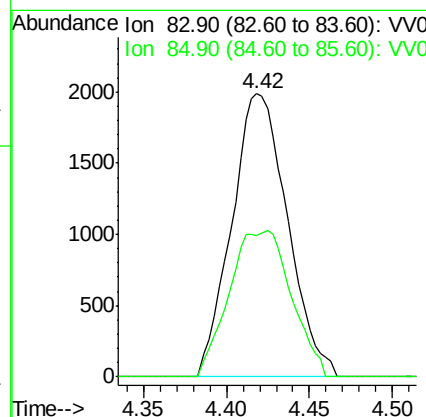
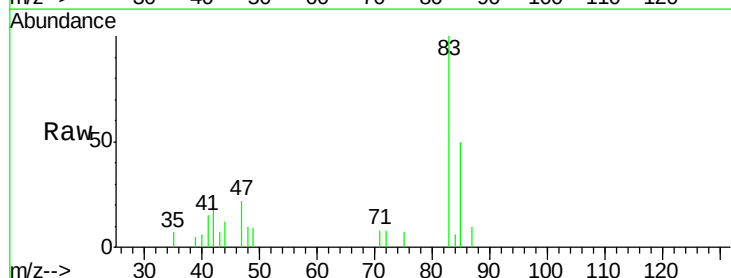
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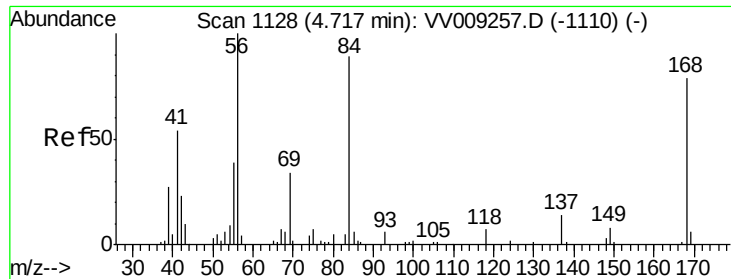
MMDadoda
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#30
Chloroform
Concen: 2.571 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	49.8	49.9	74.9





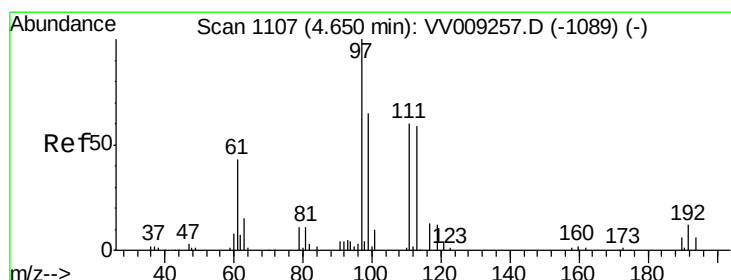
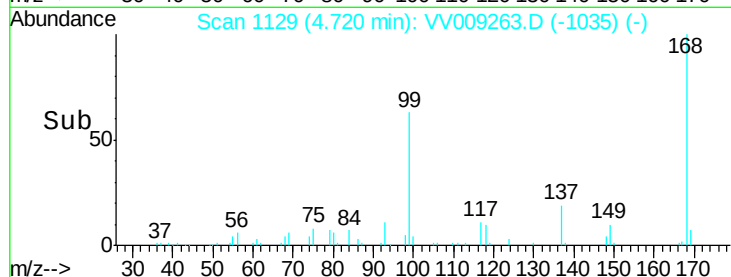
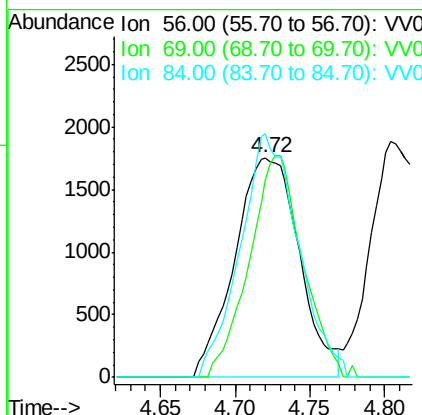
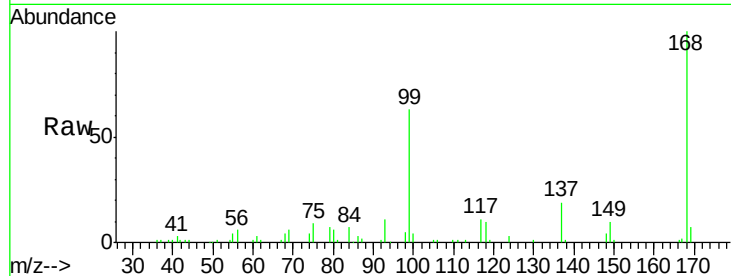
#31
Cyclohexane
Concen: 3.175 ug/l
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
56	100		
69	89.7	27.5	41.3#
84	110.8	70.9	106.3#

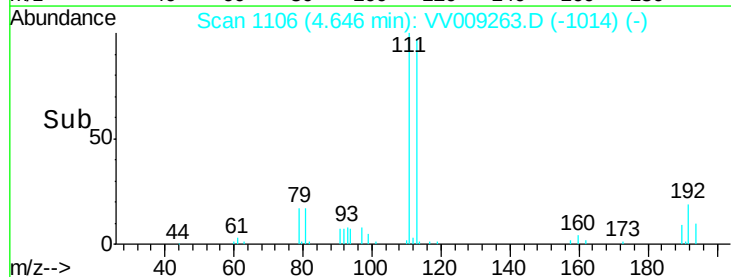
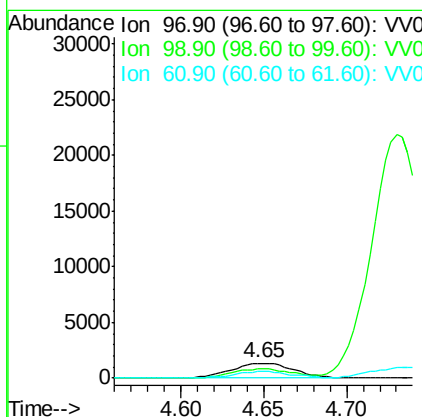
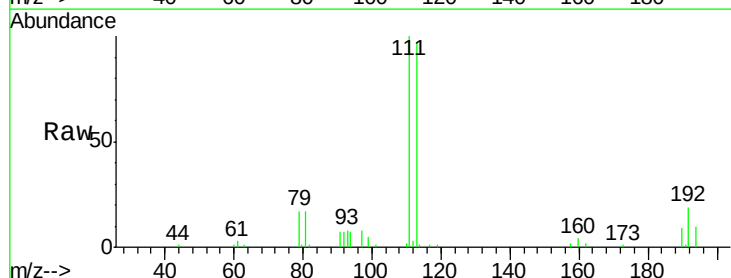
Manual Integrations
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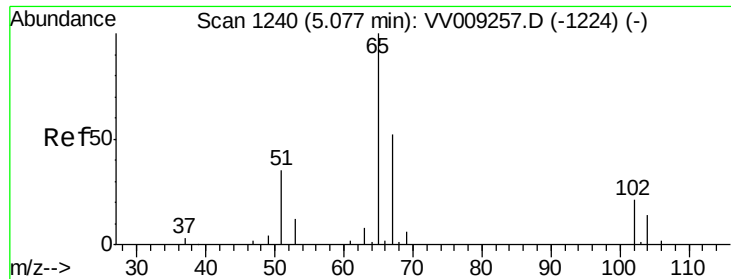
MMDadoda
1/25/2019 10:01:47 AM



#32
1,1,1-Trichloroethane
Concen: 2.458 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.4	49.8	74.8
61	39.7	33.4	50.0





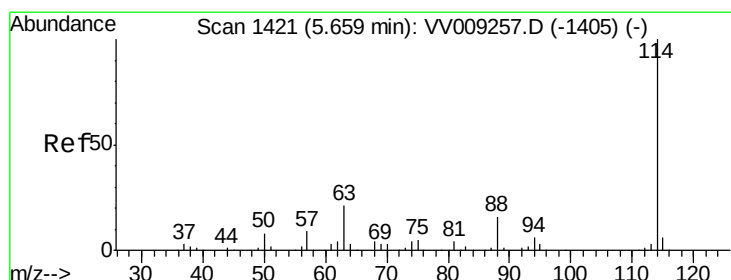
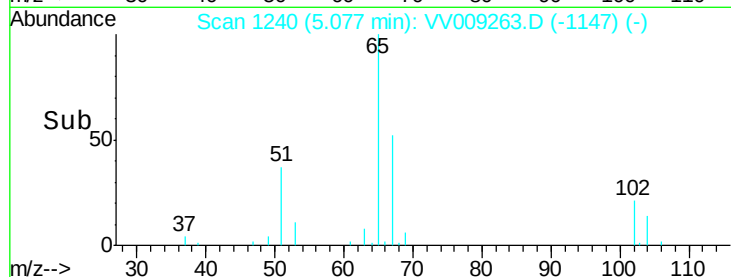
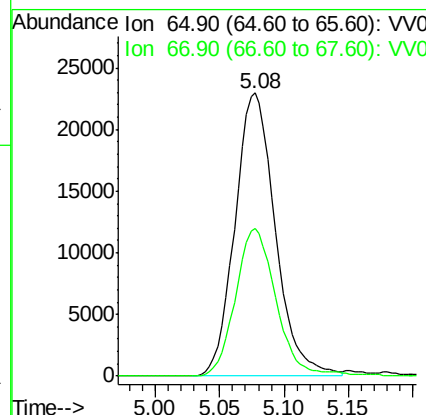
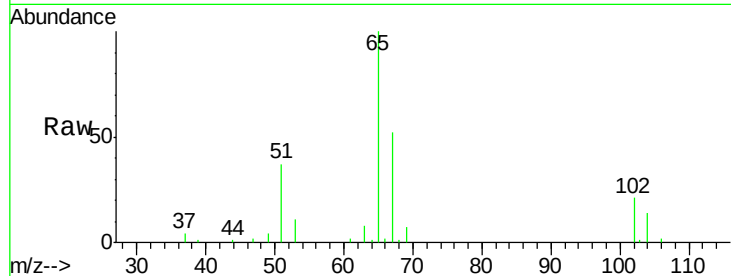
#33
 1,2-Dichloroethane-d4
 Concen: 50.635 ug/l
 RT: 5.08 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.6

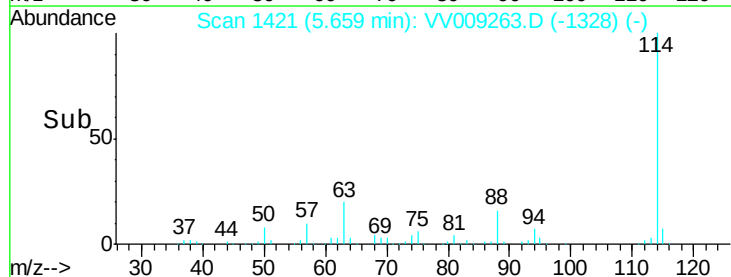
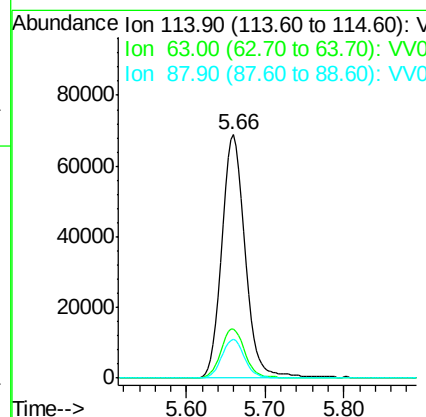
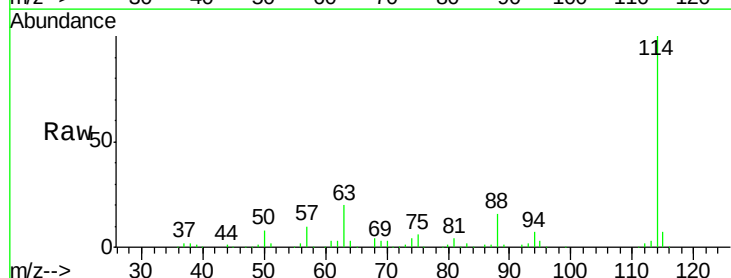
Manual Integrations
 APPROVED

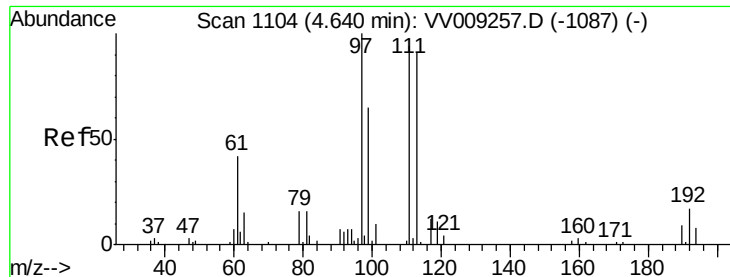
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.4
88	16.0	0.0	33.0





#35

Dibromofluoromethane

Concen: 48.513 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

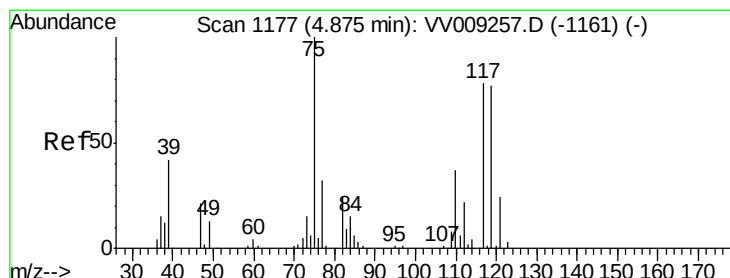
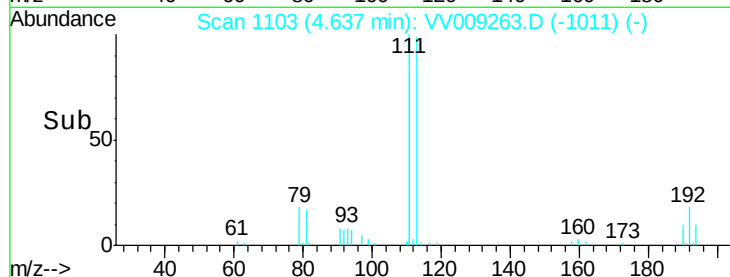
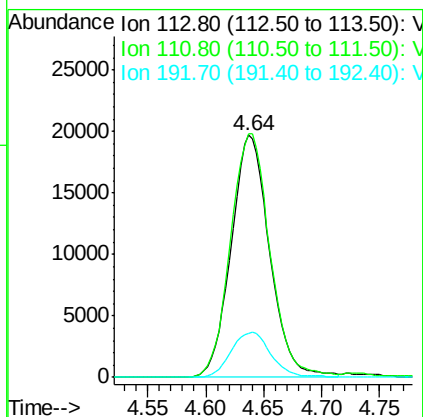
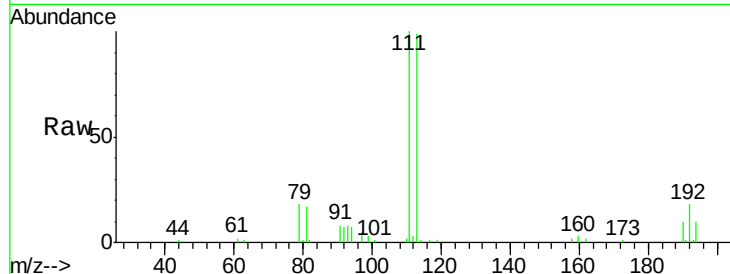
ClientSampled :

MDL07

Tot Ion:	113	Resp:	45314
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.3	123.5
192	19.2	15.0	22.6

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#36

1,1-Dichloropropene

Concen: 2.867 ug/l

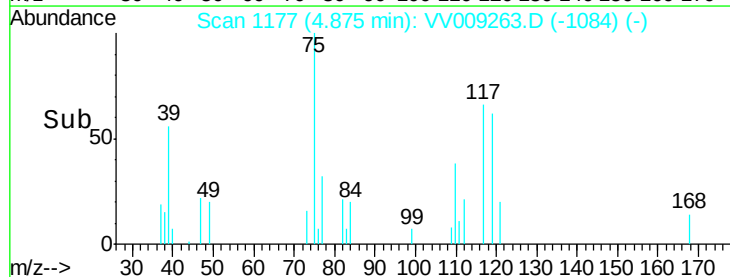
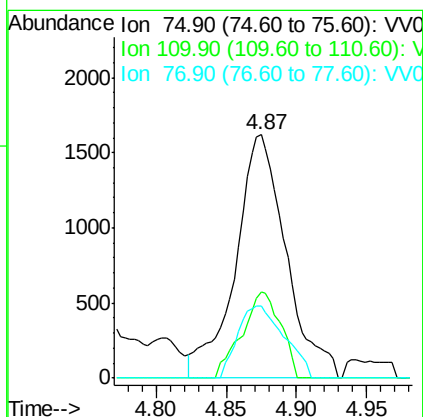
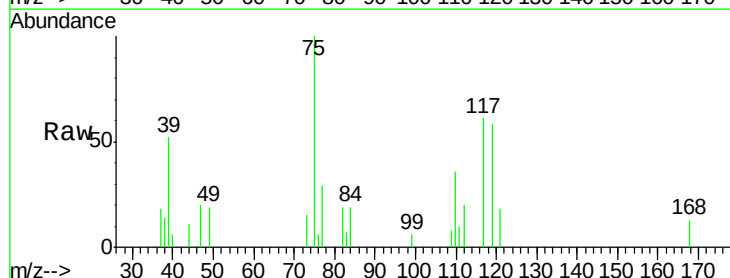
RT: 4.87 min Scan# 1177

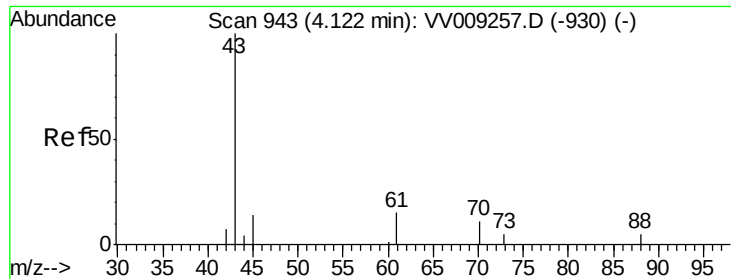
Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Tgt Ion:	75	Resp:	4064
Ion	Ratio	Lower	Upper
75	100		
110	27.1	17.6	52.9
77	27.2	25.5	38.3





#37

Ethyl Acetate

Concen: 5.522 ug/l

RT: 4.14 min Scan# 948

Delta R.T. 0.02 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

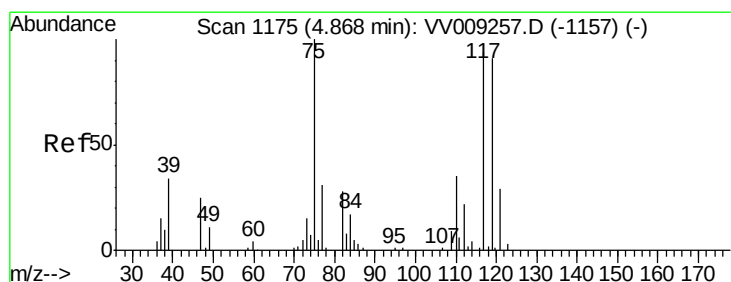
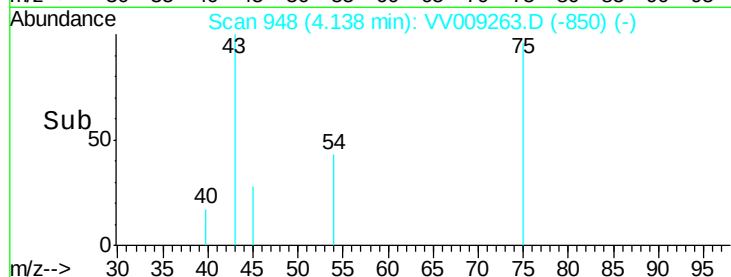
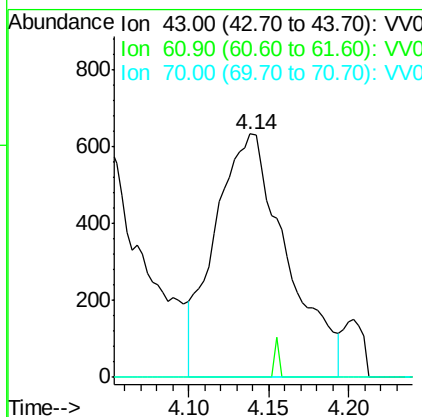
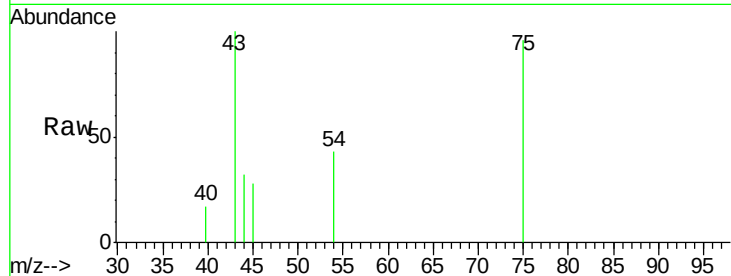
ClientSampleId :

MDL07

Tot Ion:	43	Resp:	1949
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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#38

Carbon Tetrachloride

Concen: 2.067 ug/l

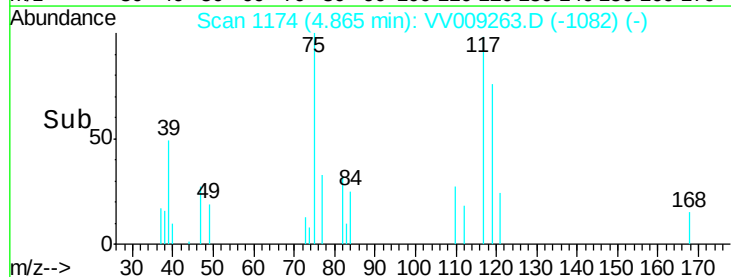
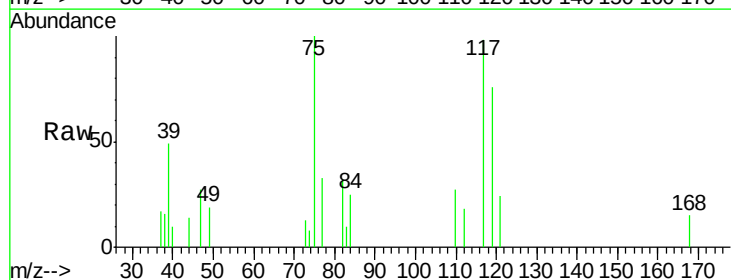
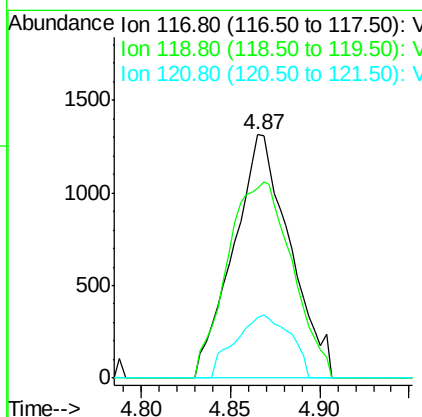
RT: 4.87 min Scan# 1174

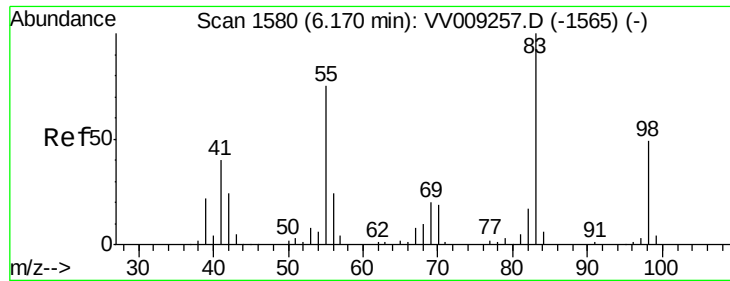
Delta R.T. -0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Tgt Ion:	117	Resp:	2898
Ion	Ratio	Lower	Upper
117	100		
119	77.9	77.4	116.2
121	25.0	24.8	37.2





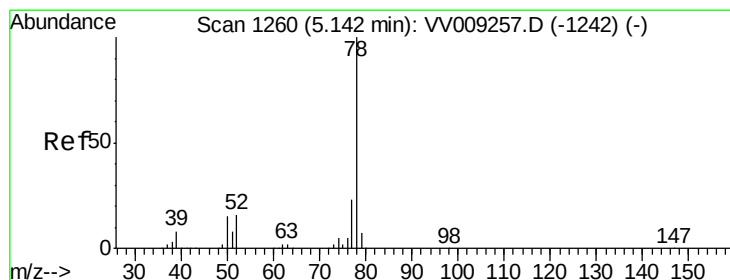
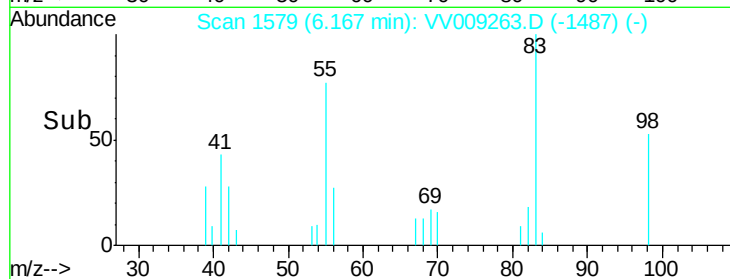
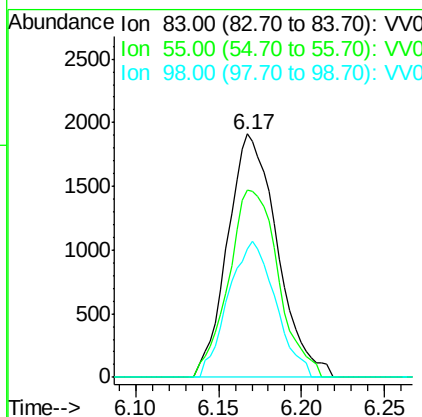
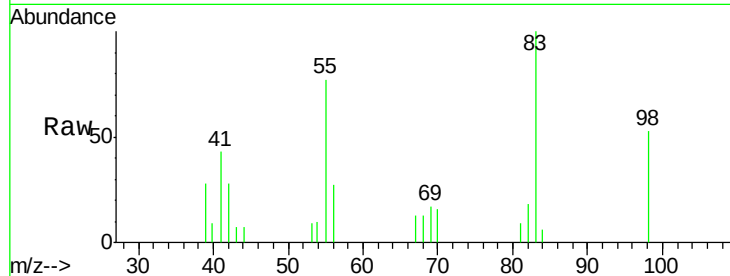
#39
Methylvlcyclohexane
Concen: 2.241 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. -0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	60.1	90.1
98	52.8	39.2	58.8

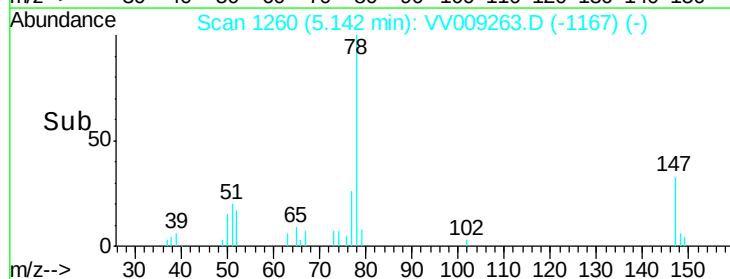
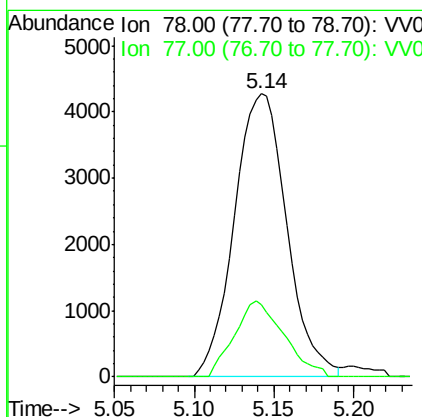
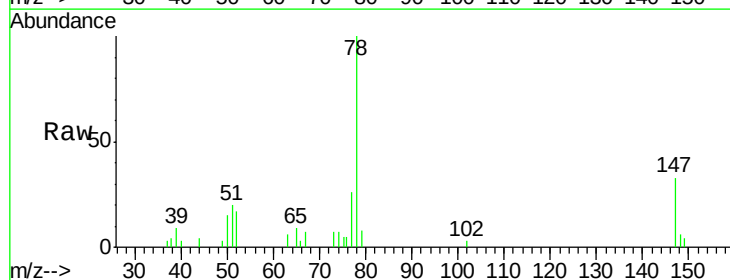
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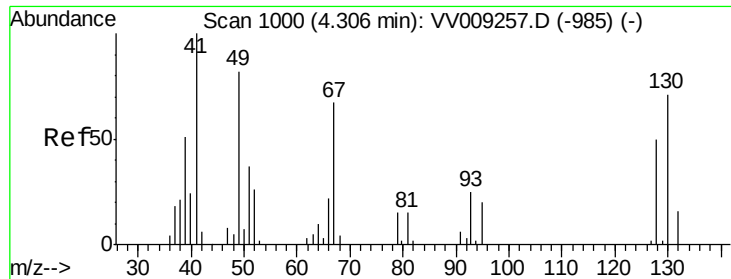
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#40
Benzene
Concen: 2.299 ug/l
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	18.6	27.8





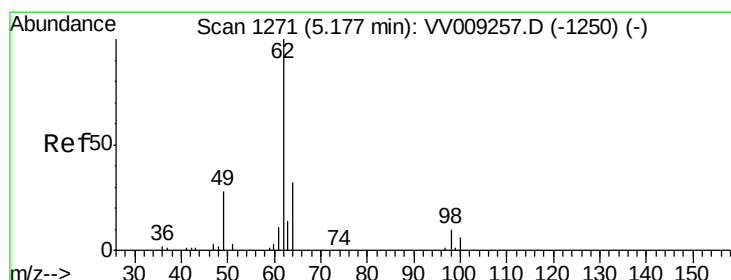
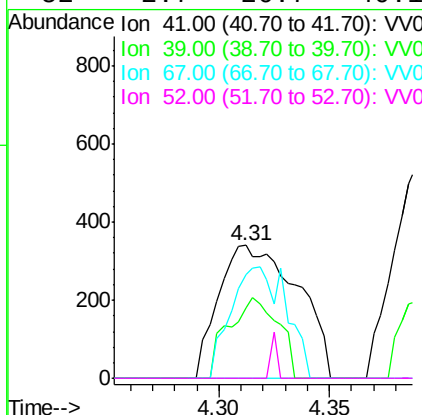
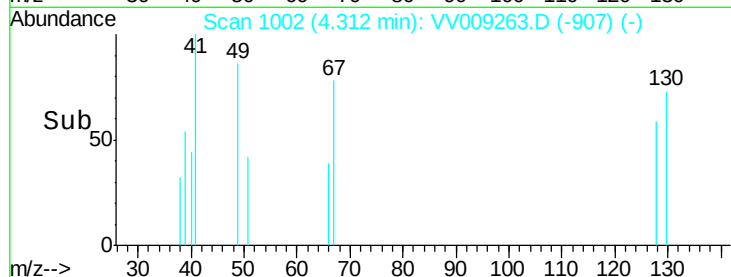
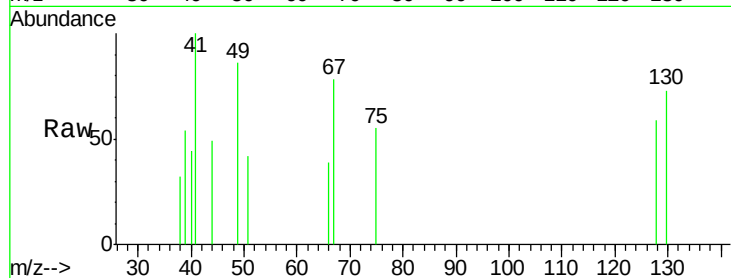
#41
Methacrylonitrile
Concen: 2.041 ug/l
RT: 4.31 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
41	100		
39	38.4	42.3	63.5#
67	58.8	57.4	86.2
52	2.7	26.7	40.1#

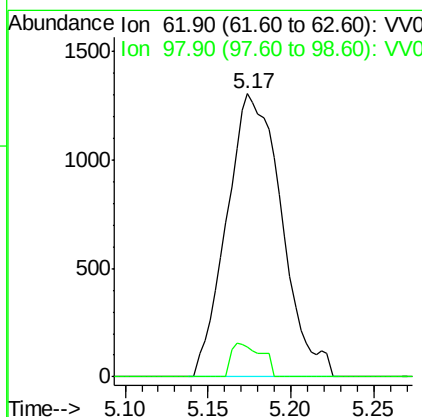
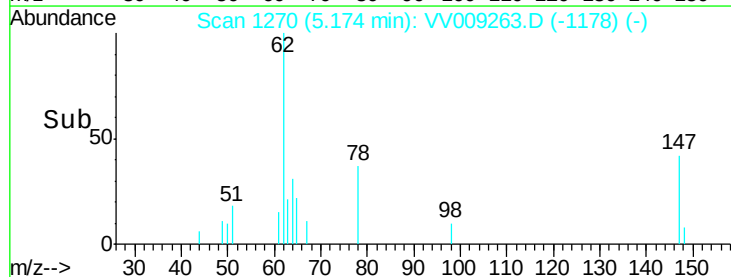
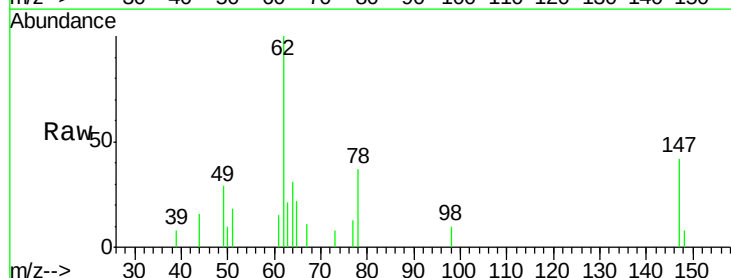
Manual Integrations
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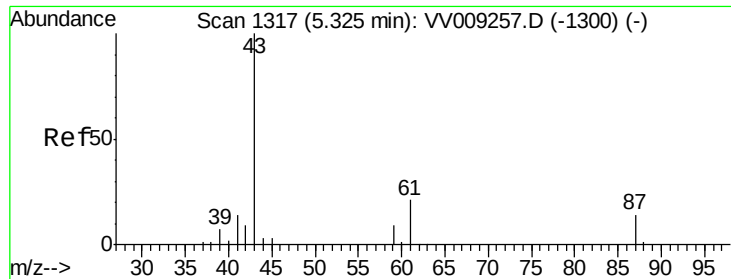
MMDadoda
1/25/2019 10:01:47 AM



#42
1,2-Dichloroethane
Concen: 2.315 ug/l
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.5	0.0	19.2





#43

Isopropyl Acetate

Concen: 2.043 ug/l

RT: 5.33 min Scan# 1319

Delta R.T. 0.01 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

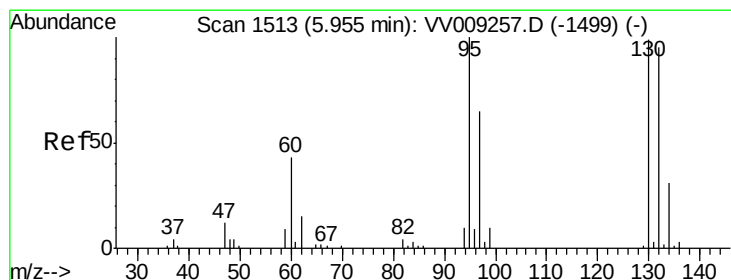
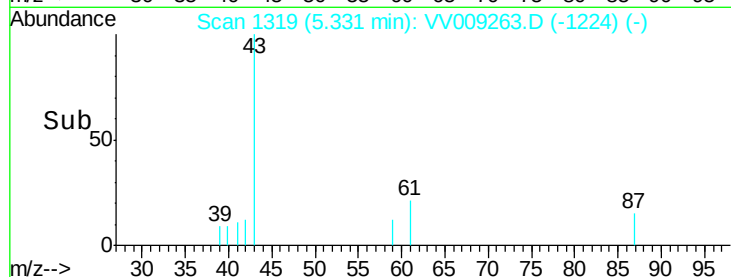
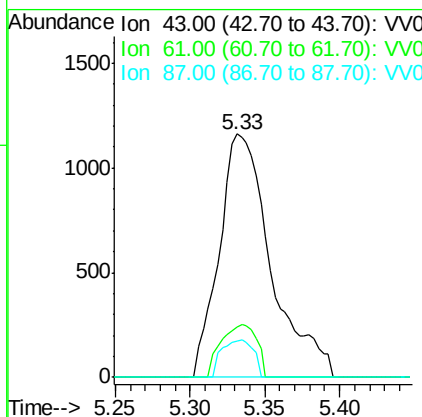
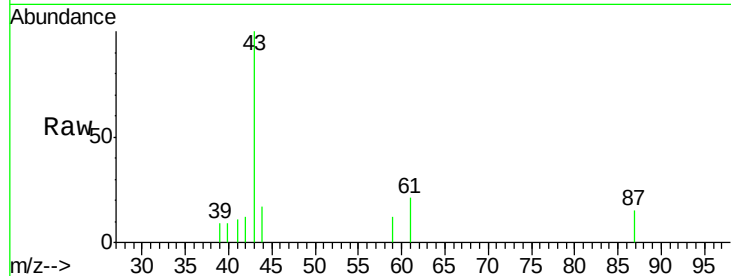
ClientSampleId :

MDL07

Tot Ion:	43	Resp:	2805
Ion	Ratio	Lower	Upper
43	100		
61	14.9	15.8	23.6#
87	9.3	10.1	15.1#

Manual Integrations
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1/25/2019 10:01:47 AM



#44

Trichloroethene

Concen: 2.347 ug/l

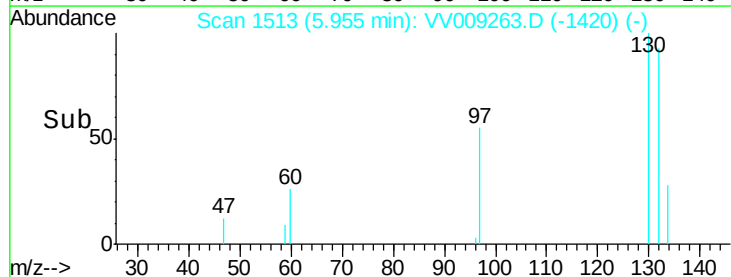
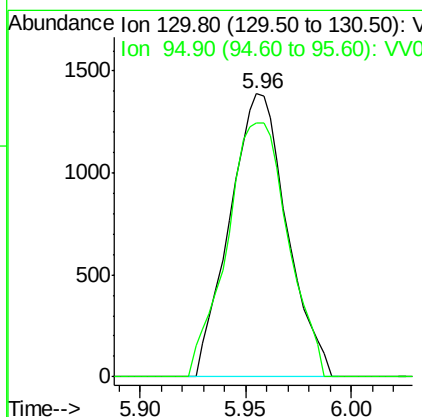
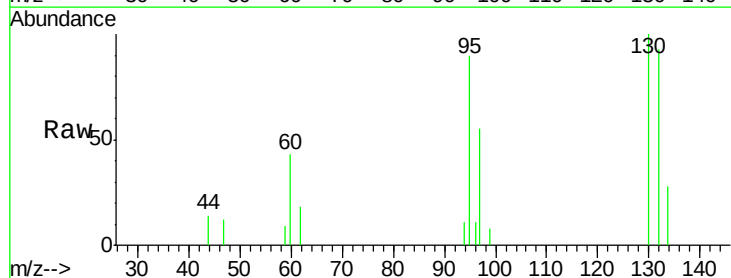
RT: 5.96 min Scan# 1513

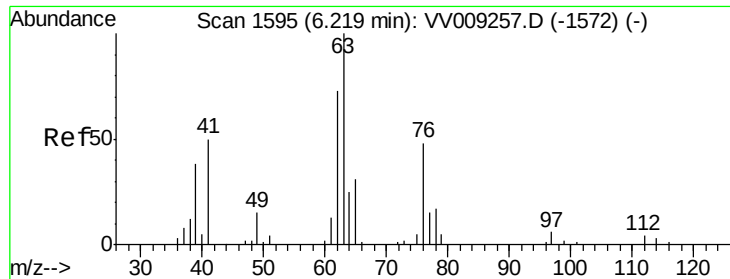
Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Tgt Ion:	130	Resp:	2616
Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	201.4





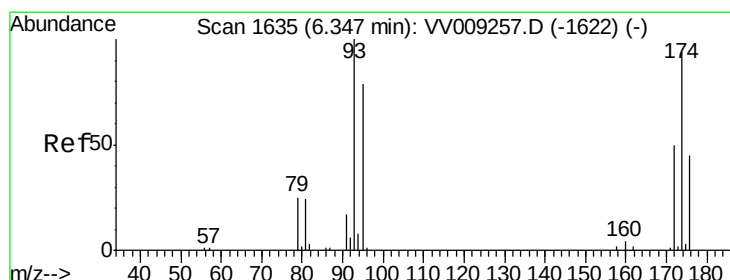
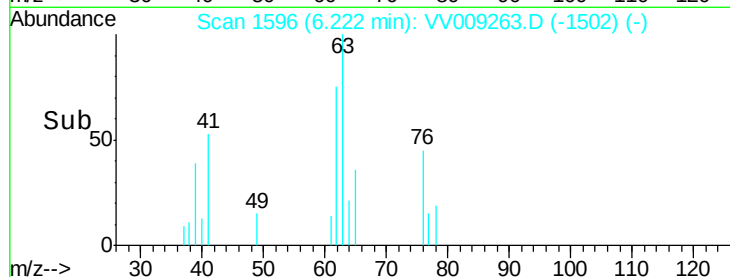
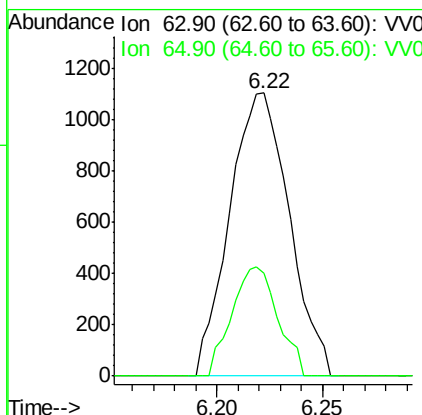
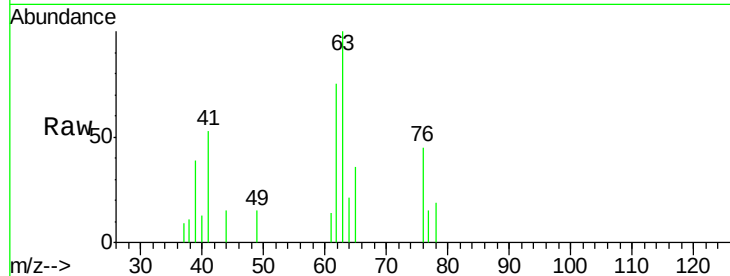
#45
 1,2-Dichloropropane
 Concen: 2.108 ug/l
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion: 63 Resp: 2167
 Ion Ratio Lower Upper
 63 100
 65 36.2 25.4 38.2

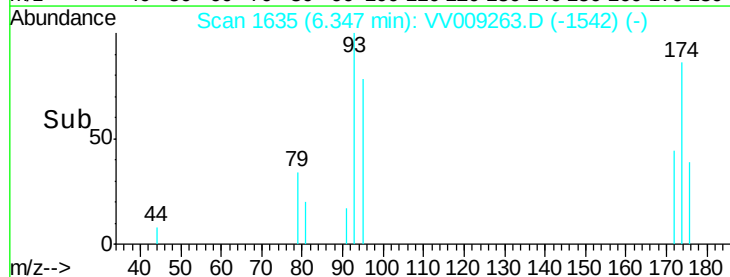
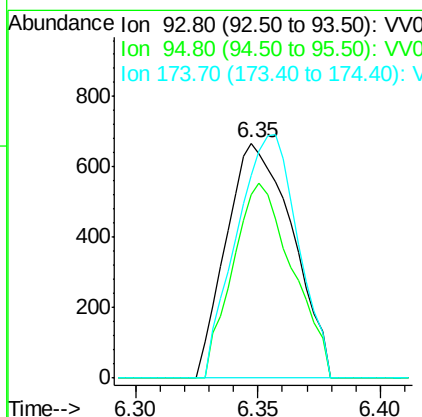
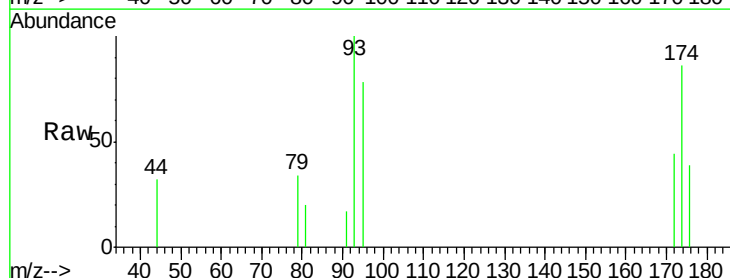
Manual Integrations
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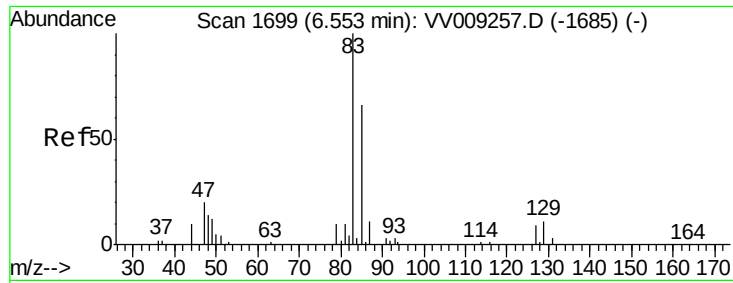
MMDadoda
 1/25/2019 10:01:47 AM



#46
 Dibromomethane
 Concen: 2.189 ug/l
 RT: 6.35 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Tgt Ion: 93 Resp: 1261
 Ion Ratio Lower Upper
 93 100
 95 74.5 65.3 97.9
 174 95.9 77.0 115.4





#47

Bromodichloromethane

Concen: 2.106 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

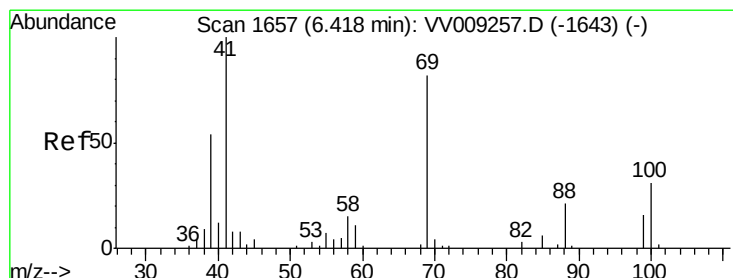
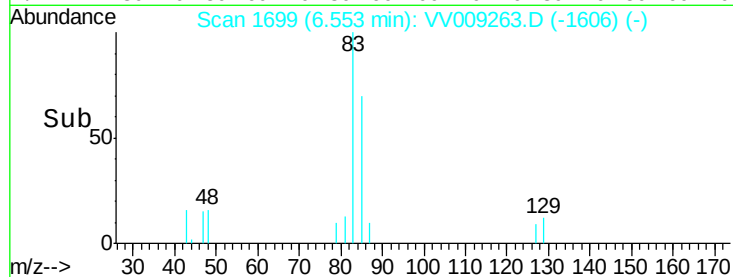
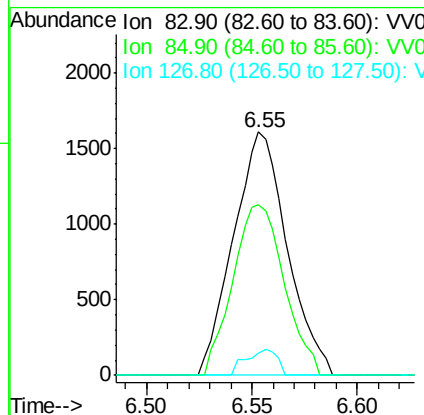
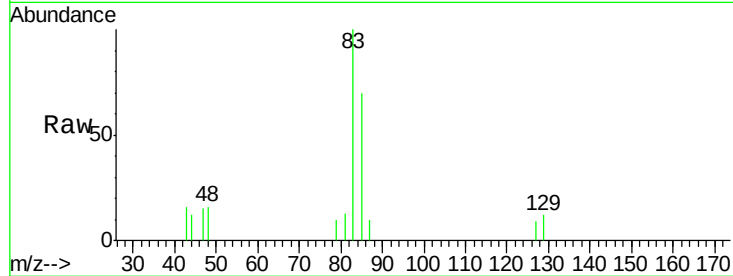
ClientSampleId :

MDL07

Tot Ion:	83	Resp:	2853
Ion	Ratio	Lower	Upper
83	100		
85	70.2	52.6	79.0
127	9.3	7.0	10.6

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#48

Methyl methacrylate

Concen: 1.838 ug/l

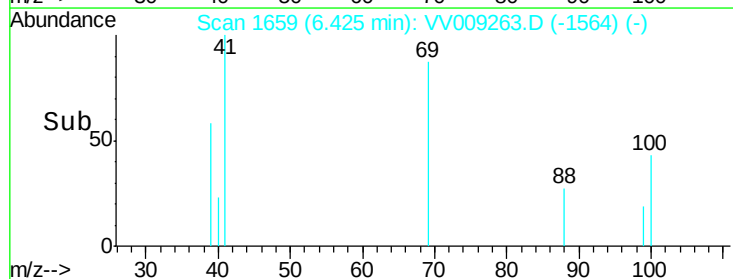
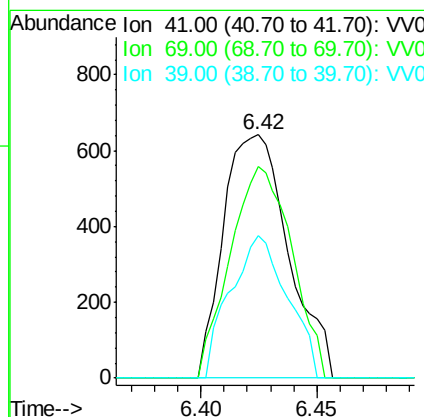
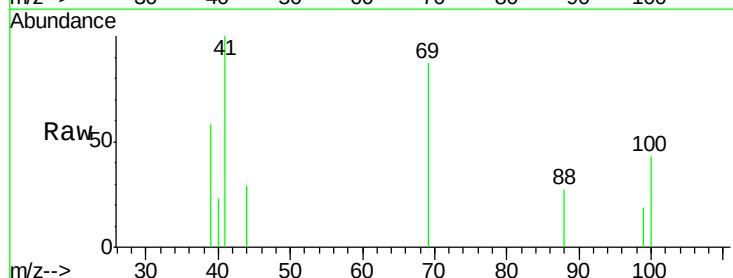
RT: 6.42 min Scan# 1659

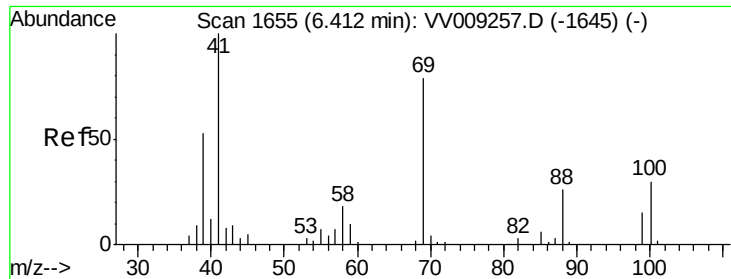
Delta R.T. 0.01 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Tgt Ion:	41	Resp:	1252
Ion	Ratio	Lower	Upper
41	100		
69	82.1	68.6	103.0
39	51.6	43.2	64.8





#49

1,4-Dioxane

Concen: 33.194 ug/l m

RT: 6.43 min Scan# 1660

Delta R.T. 0.02 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

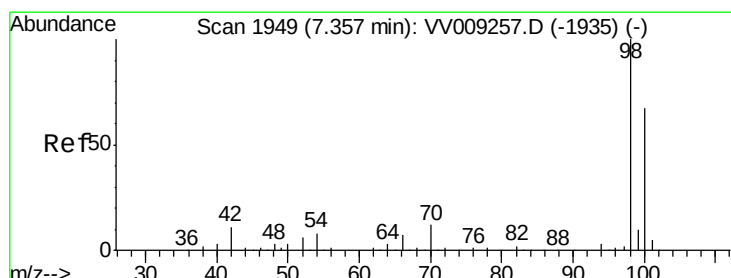
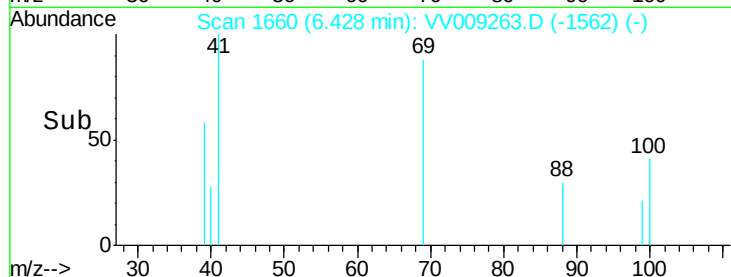
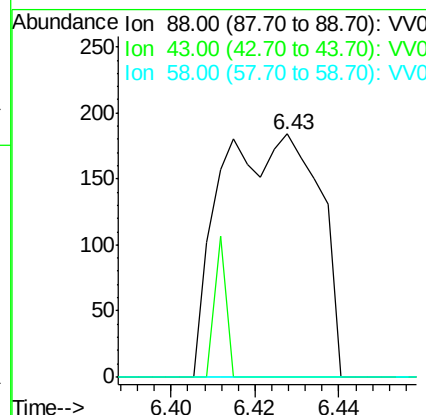
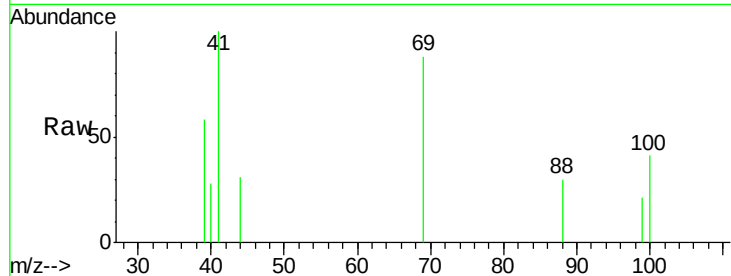
ClientSampled :

MDL07

Tot Ion:	88	Resp:	300
Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.3	42.5#
58	0.0	50.0	75.0#

Manual Integrations
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#50

Toluene-d8

Concen: 48.478 ug/l

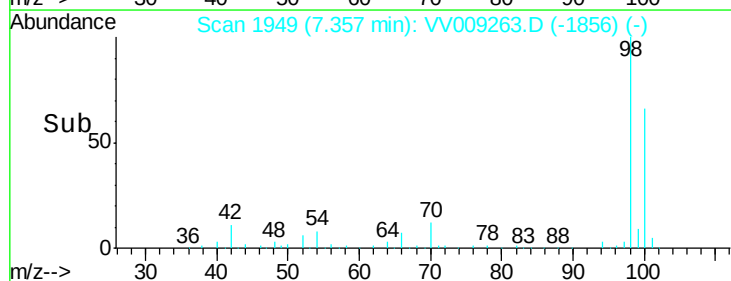
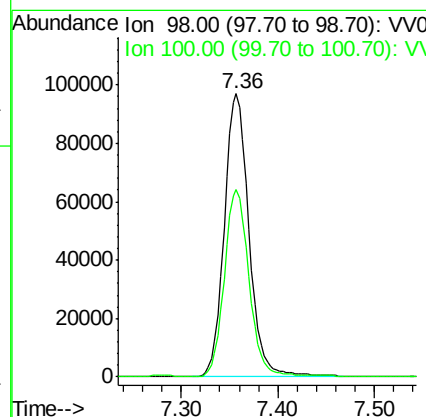
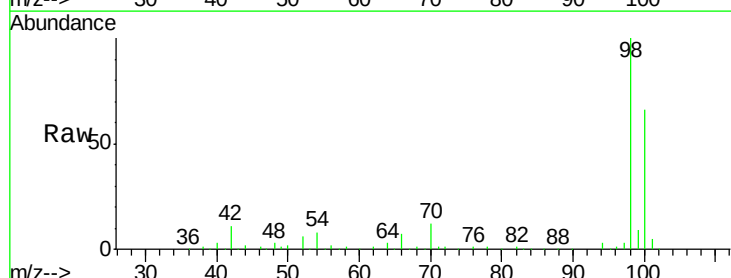
RT: 7.36 min Scan# 1949

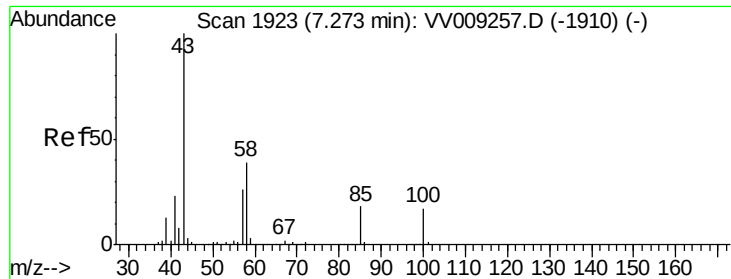
Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Tgt Ion:	98	Resp:	172445
Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.2	79.8





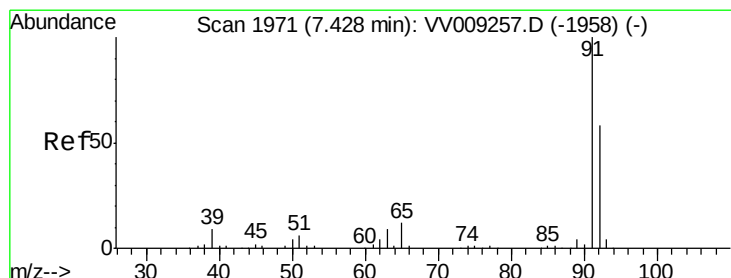
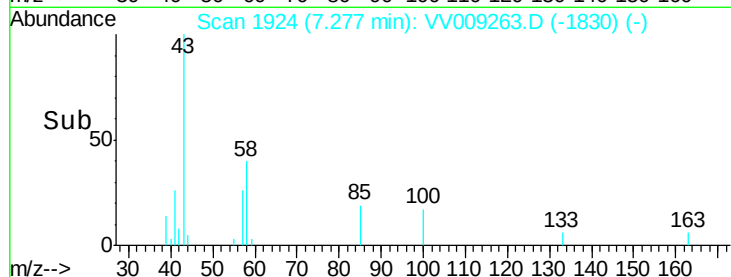
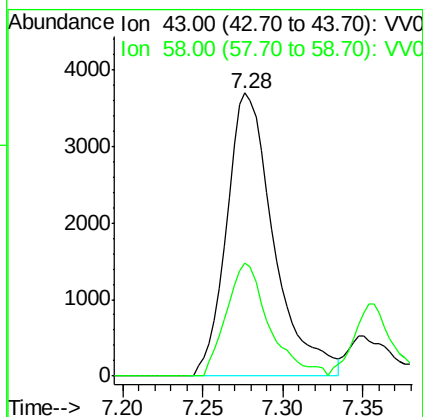
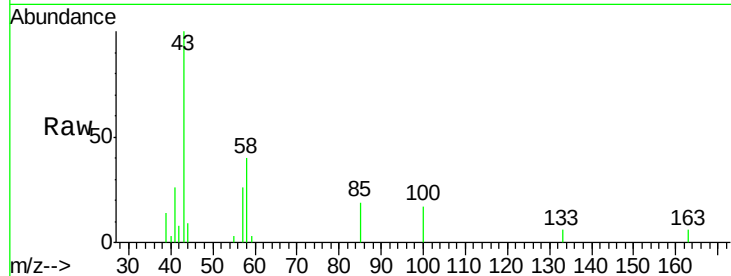
#51
4-Methyl-2-Pentanone
Concen: 10.314 ug/l
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58		36.0		30.5	45.7

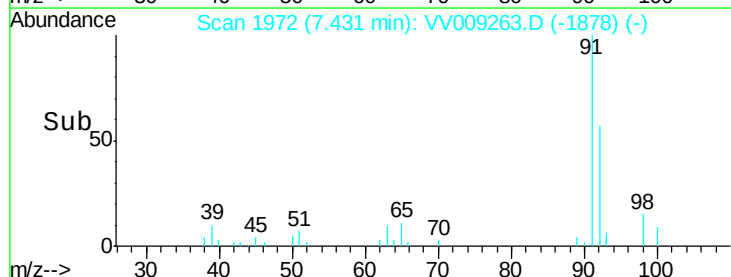
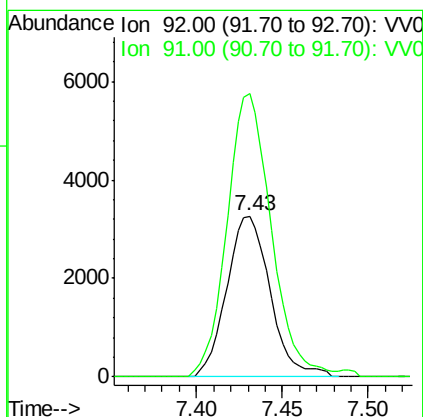
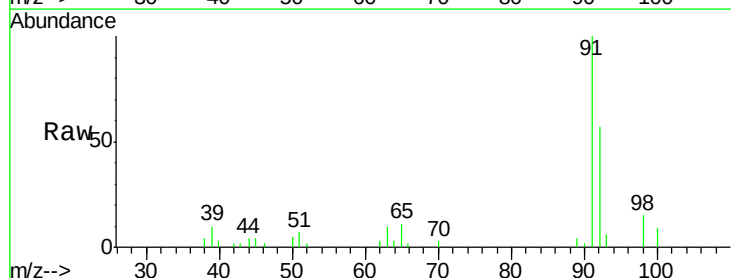
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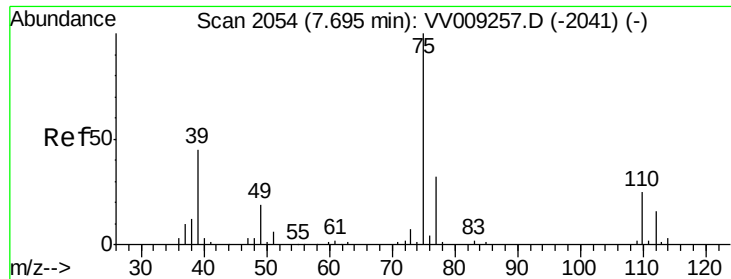
MMDadoda
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#52
Toluene
Concen: 2.183 ug/l
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91		179.2		137.2	205.8





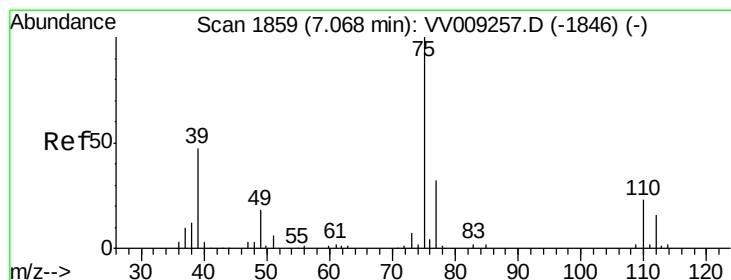
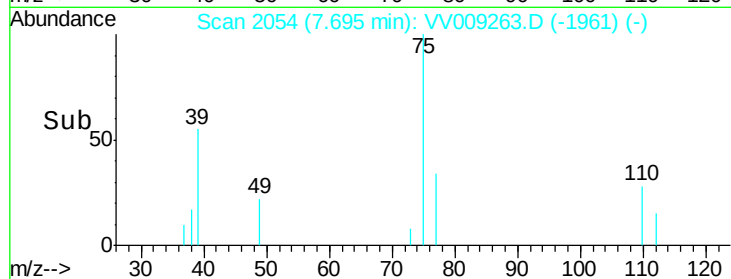
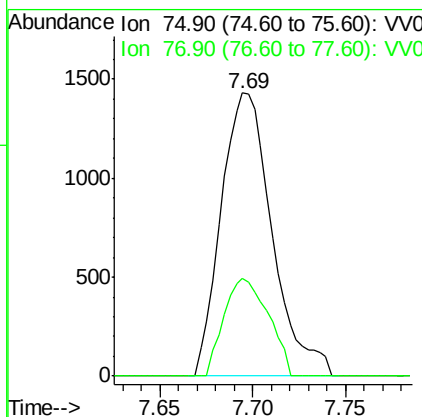
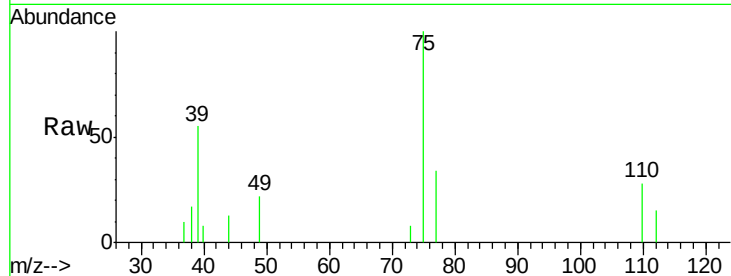
#53
 t-1,3-Dichloropropene
 Concen: 1.993 ug/l
 RT: 7.69 min Scan# 2054
 Delta R.T. 0.00 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion: 75 Resp: 2730
 Ion Ratio Lower Upper
 75 100
 77 34.5 25.9 38.9

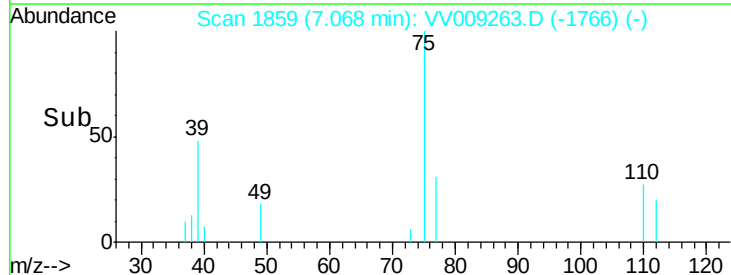
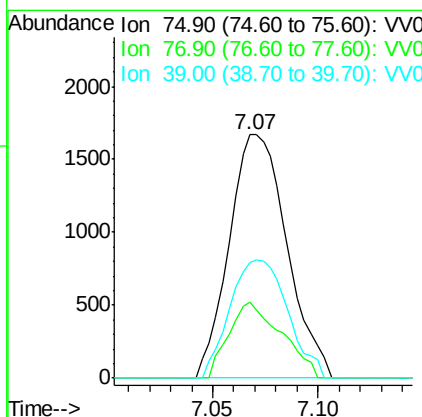
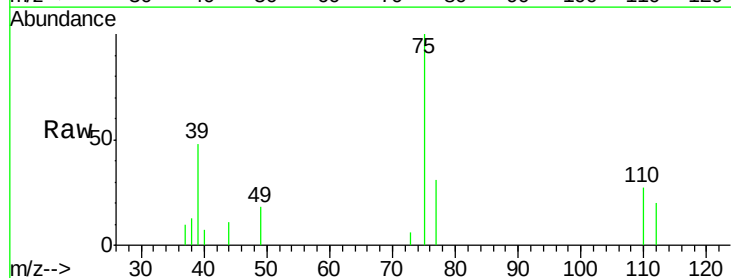
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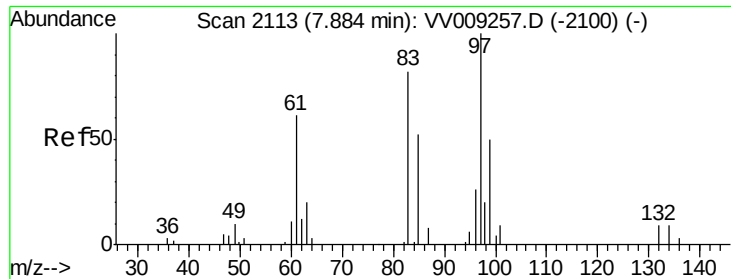
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 2.038 ug/l
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Tgt Ion: 75 Resp: 3167
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.8 38.6
 39 47.7 38.0 57.0





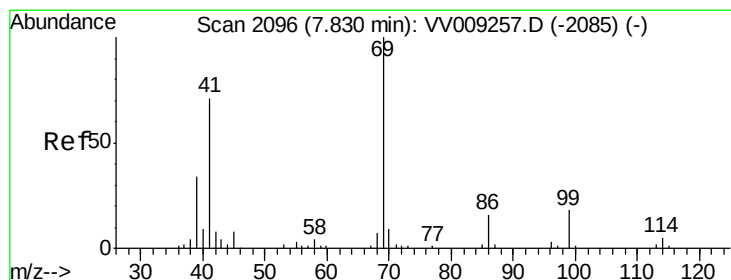
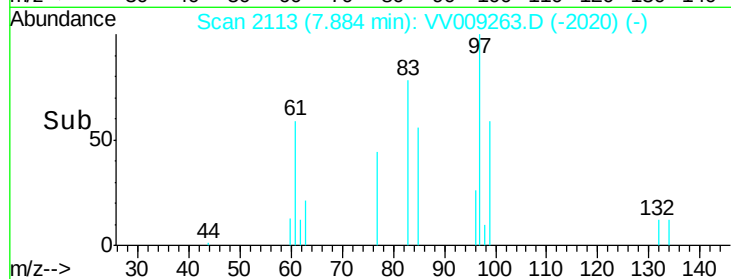
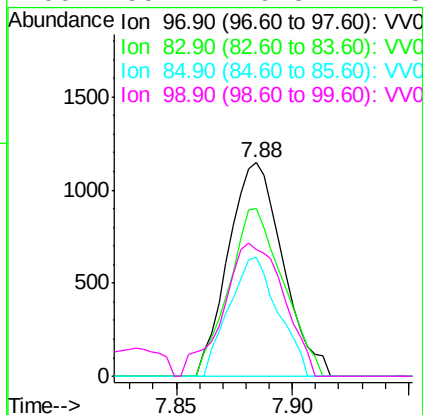
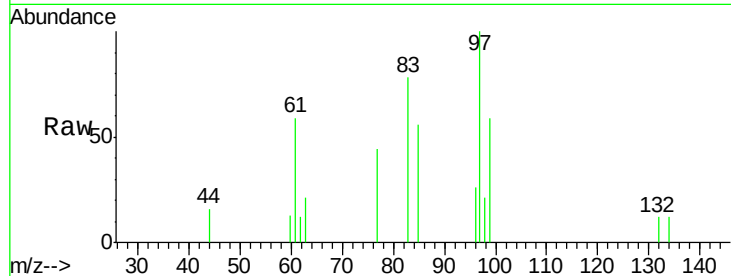
#55
 1,1,2-Trichloroethane
 Concen: 2.332 ug/l
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion:	97	Resp:	1873
Ion	Ratio	Lower	Upper
97	100		
83	78.3	65.6	98.4
85	55.7	41.8	62.8
99	59.1	49.8	74.8

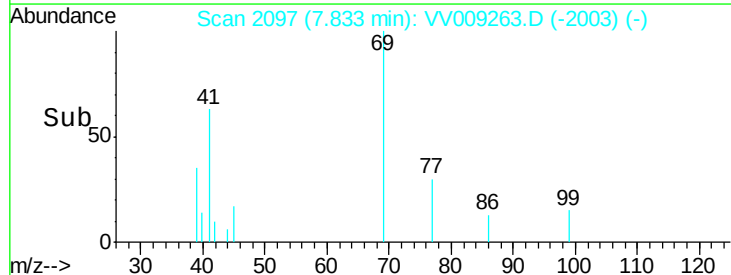
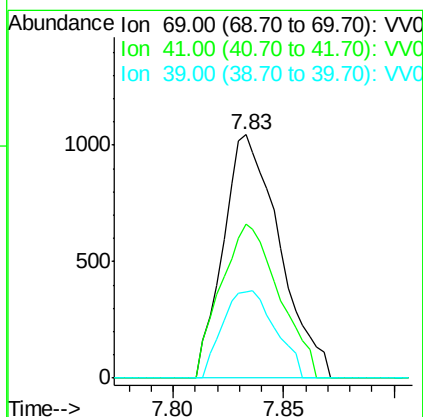
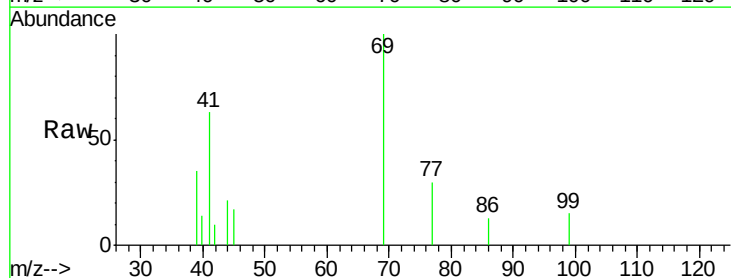
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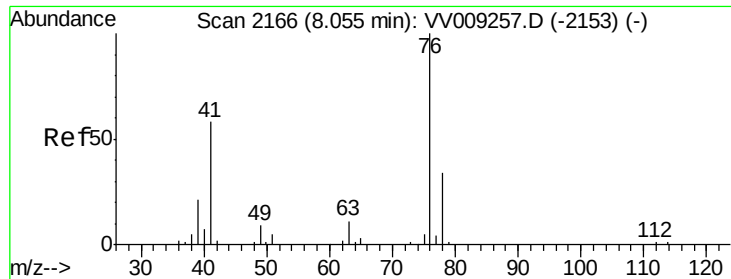
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#56
 Ethyl methacrylate
 Concen: 1.908 ug/l
 RT: 7.83 min Scan# 2097
 Delta R.T. 0.00 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Tgt Ion:	69	Resp:	1851
Ion	Ratio	Lower	Upper
69	100		
41	65.2	54.6	81.8
39	33.4	27.0	40.4





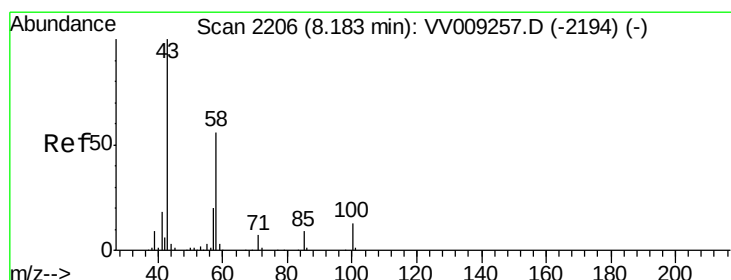
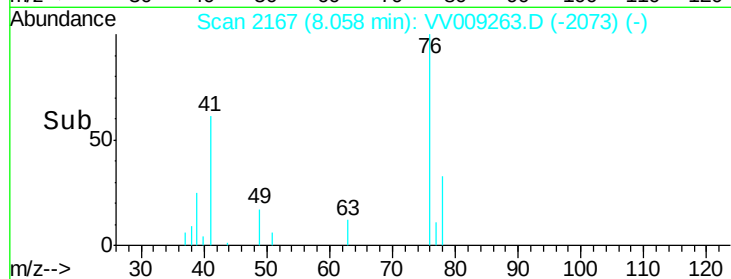
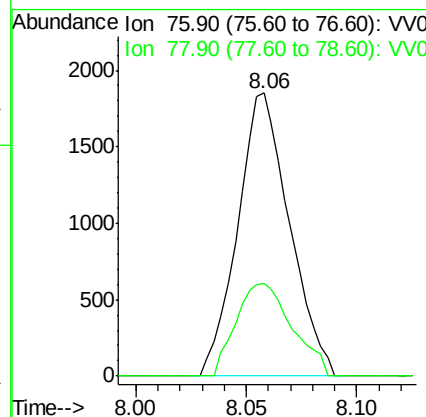
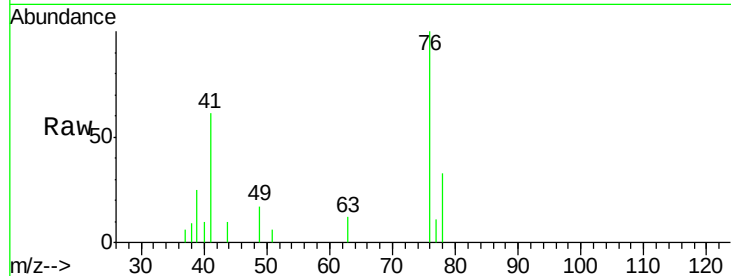
#57
 1,3-Dichloropropane
 Concen: 2.104 ug/l
 RT: 8.06 min Scan# 2167
 Delta R.T. 0.00 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion: 76 Resp: 3010
 Ion Ratio Lower Upper
 76 100
 78 35.3 26.6 40.0

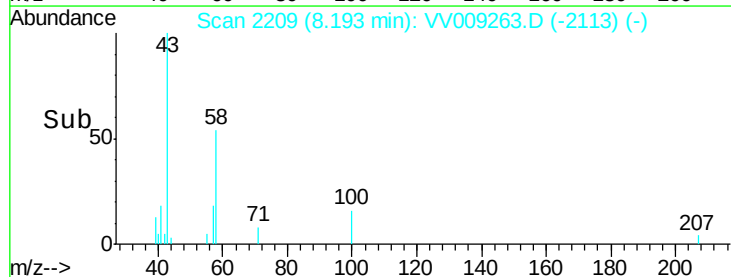
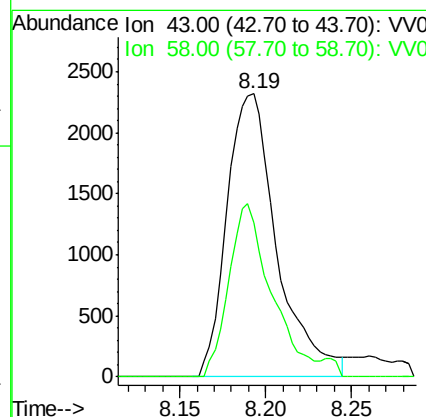
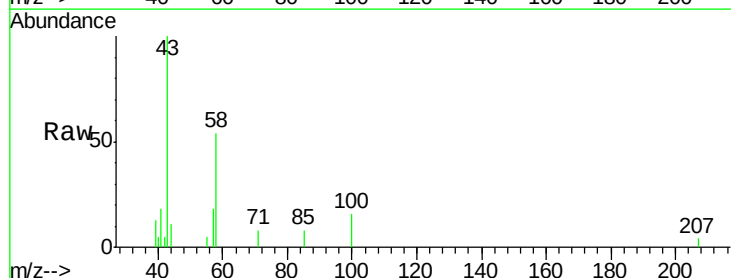
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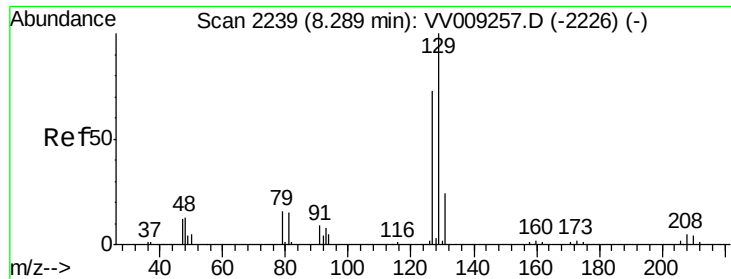
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#59
 2-Hexanone
 Concen: 9.033 ug/l
 RT: 8.19 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Tgt Ion: 43 Resp: 4693
 Ion Ratio Lower Upper
 43 100
 58 52.4 27.9 83.7





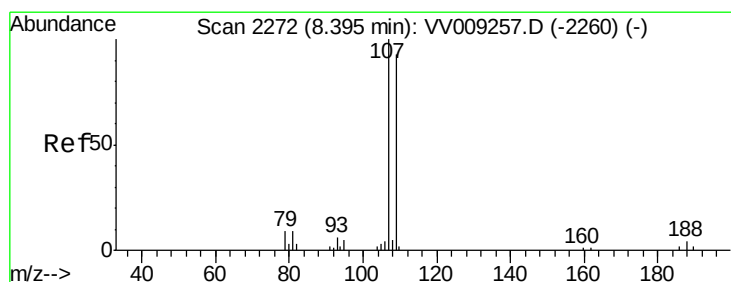
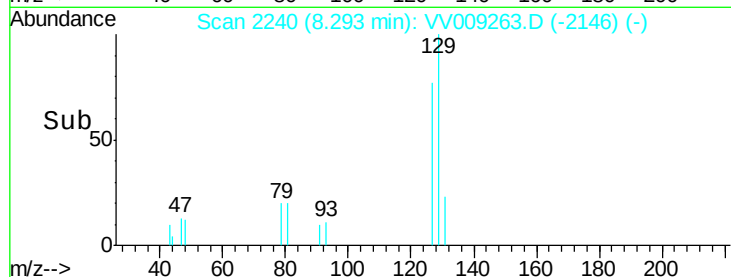
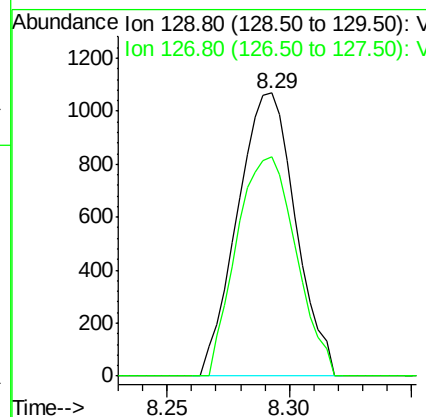
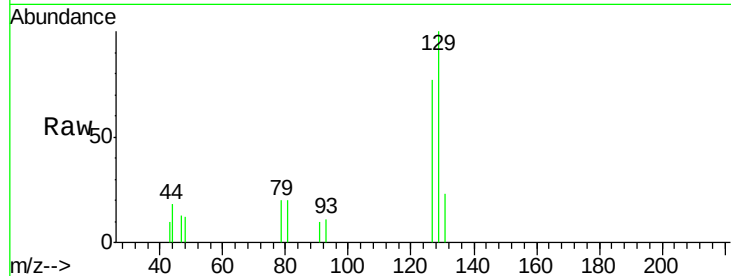
#60
Dibromochloromethane
Concen: 1.924 ug/l
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion:129 Resp: 1766
Ion Ratio Lower Upper
129 100
127 79.4 37.9 113.6

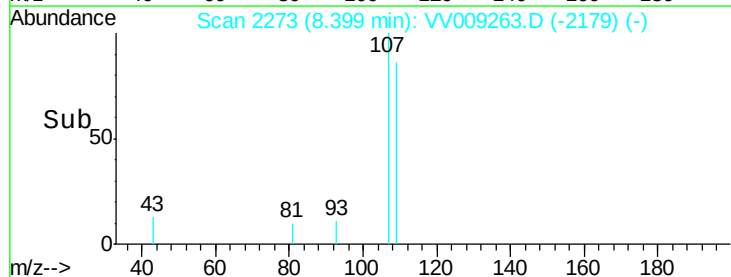
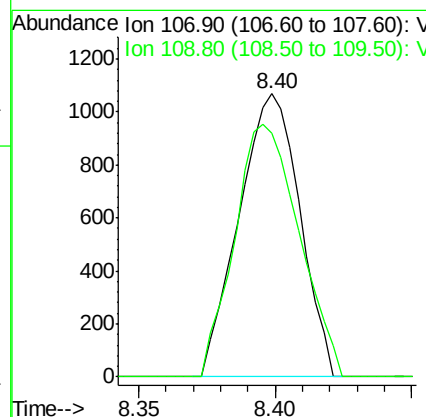
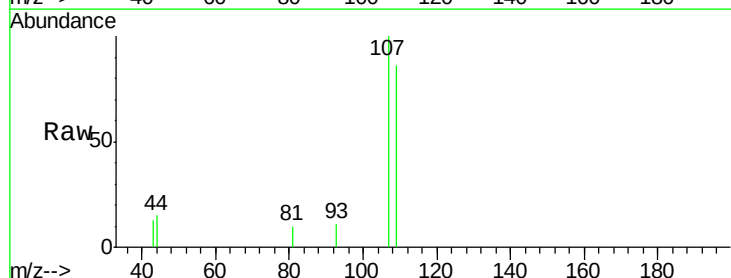
Manual Integrations
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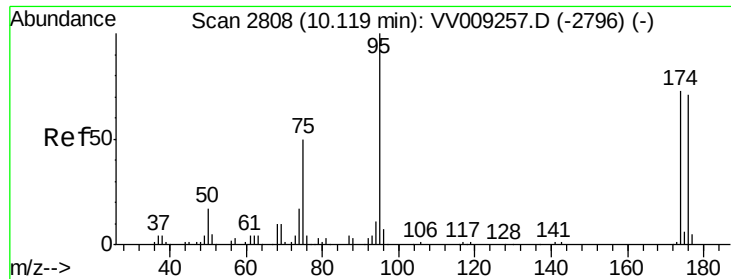
MMDadoda
1/25/2019 10:01:47 AM



#61
1,2-Dibromoethane
Concen: 2.046 ug/l
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Tgt Ion:107 Resp: 1651
Ion Ratio Lower Upper
107 100
109 94.7 74.7 112.1





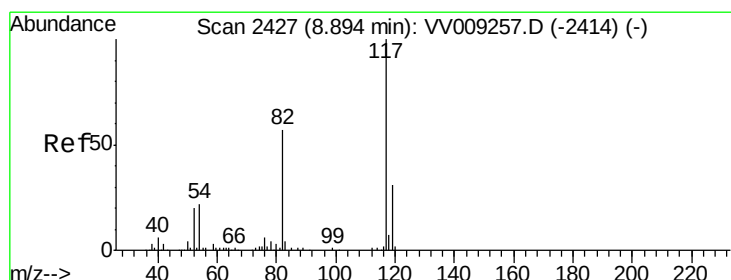
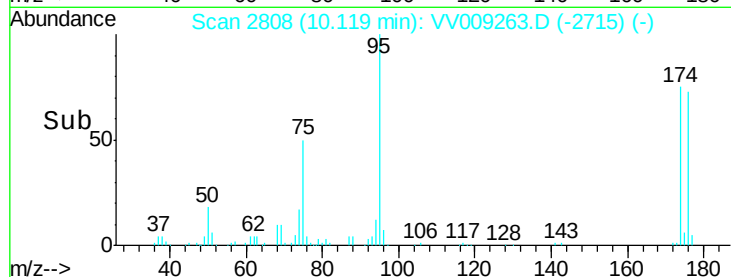
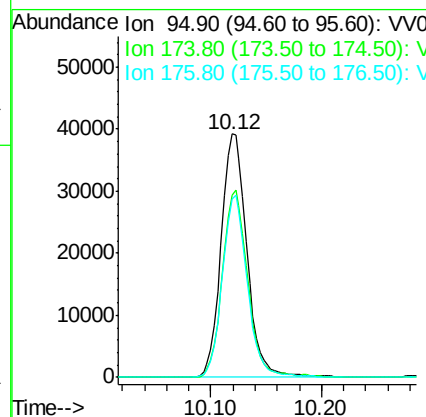
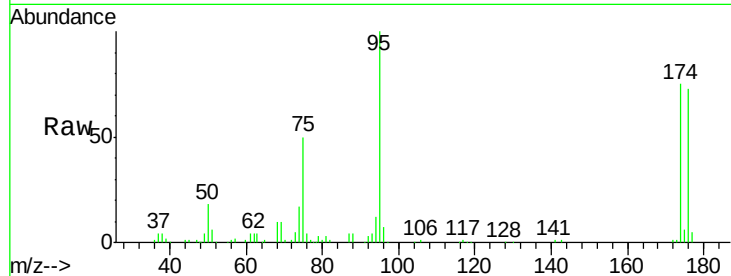
#62
4-Bromofluorobenzene
Concen: 46.402 ug/l
RT: 10.12 min Scan# 2808
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion	Ratio	Resp	Lower	Upper
95	100	63668		
174	74.9	0.0	150.0	
176	72.5	0.0	144.0	

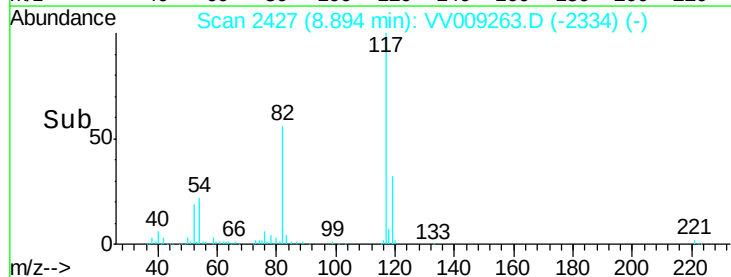
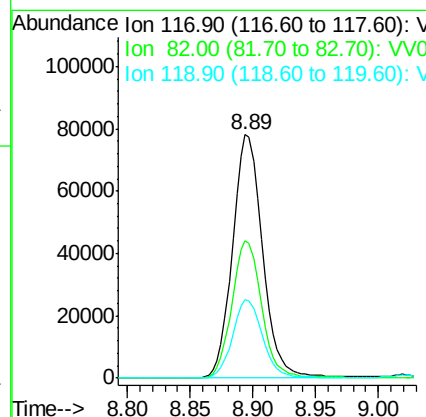
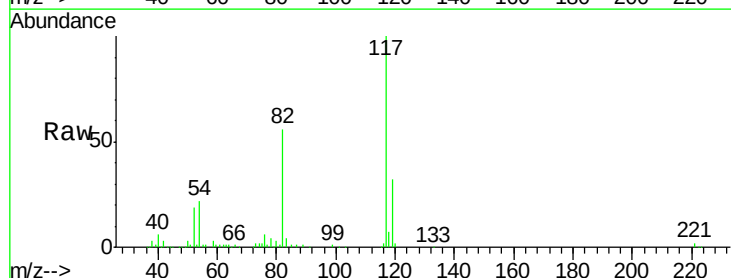
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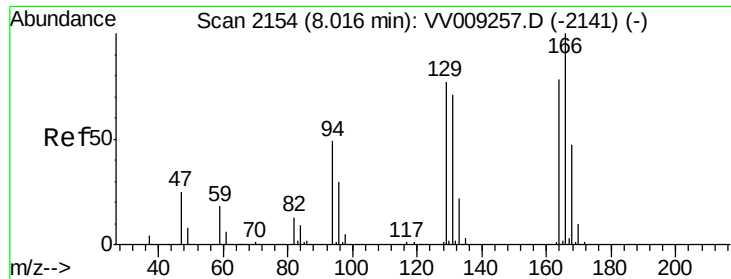
MMDadoda
1/25/2019 10:01:47 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	130475		
82	56.4	45.8	68.6	
119	32.4	24.8	37.2	





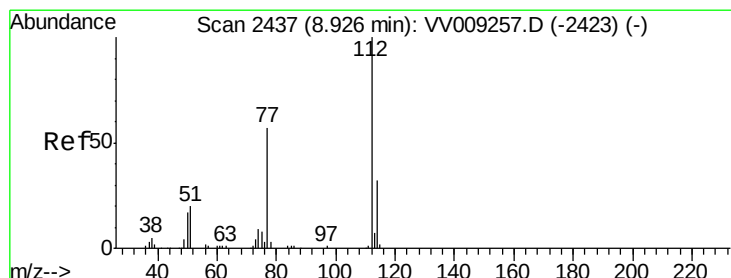
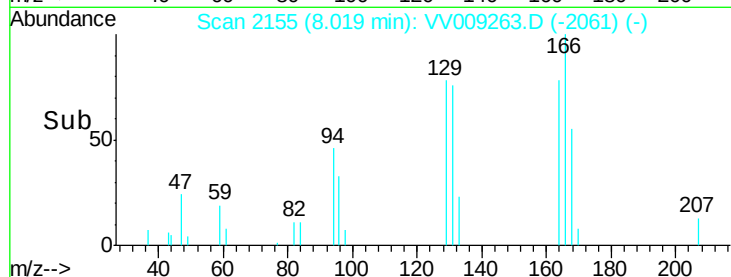
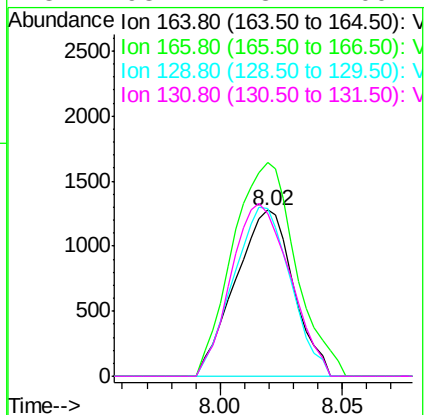
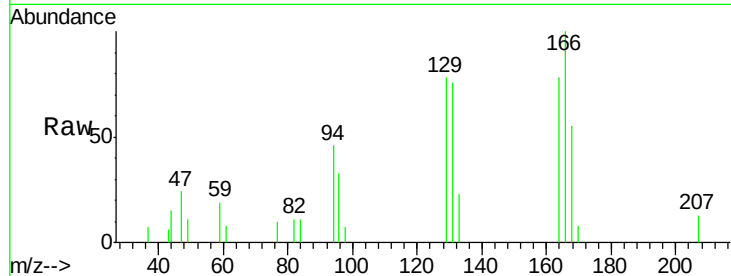
#64
Tetrachloroethene
Concen: 2.343 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.3	153.5
129	100.7	78.6	117.8
131	98.1	73.1	109.7

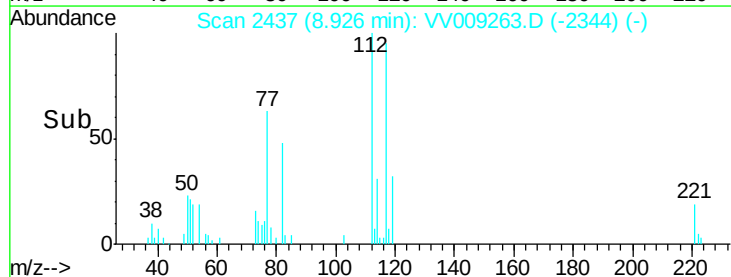
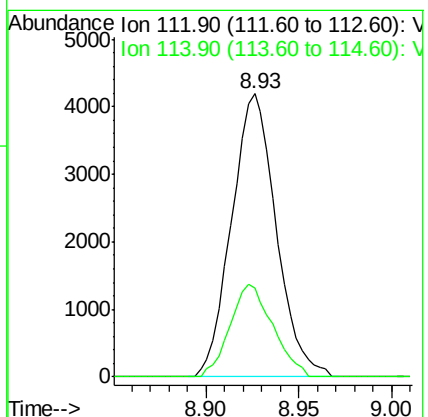
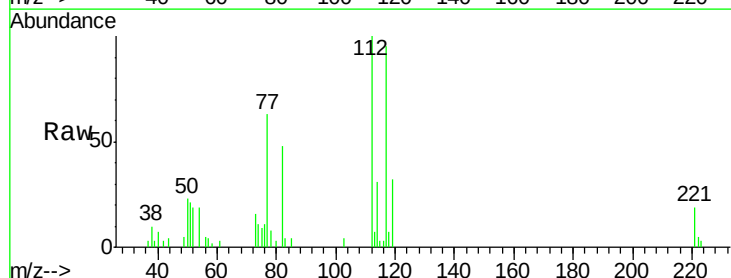
Manual Integrations
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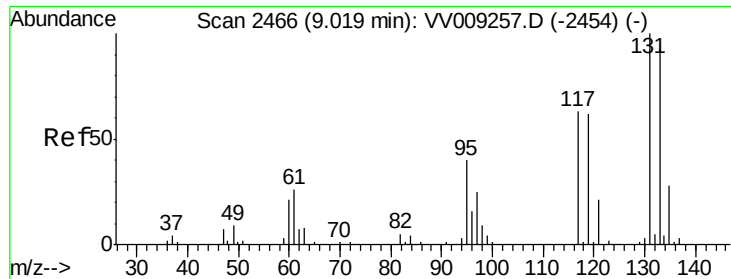
MMDadoda
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#65
Chlorobenzene
Concen: 2.379 ug/l
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.6	38.4





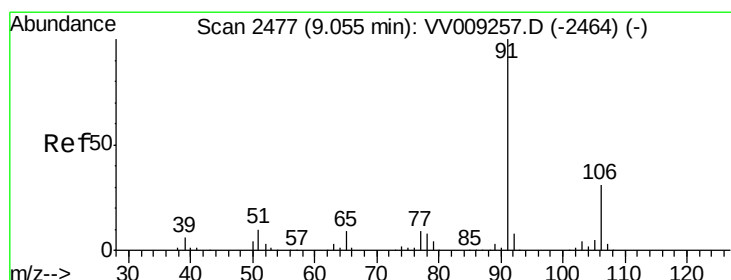
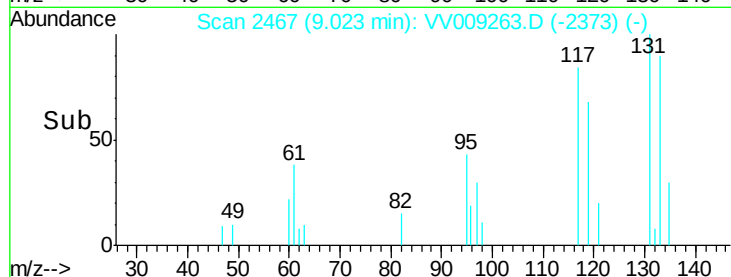
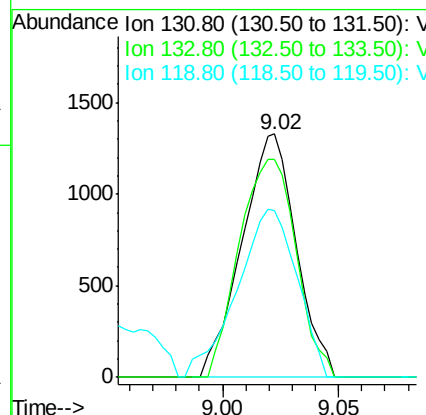
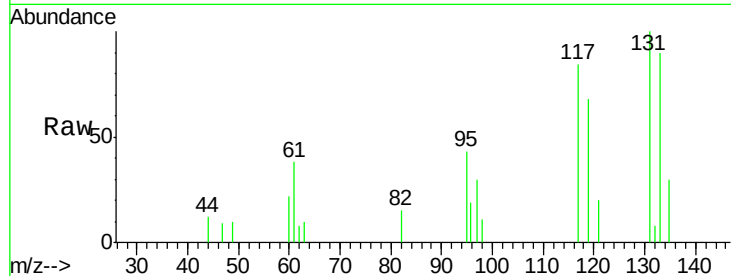
#66
 1,1,1,2-Tetrachloroethane
 Concen: 2.200 ug/l
 RT: 9.02 min Scan# 2467
 Delta R.T. 0.00 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.7	143.1
119	76.3	32.4	97.2

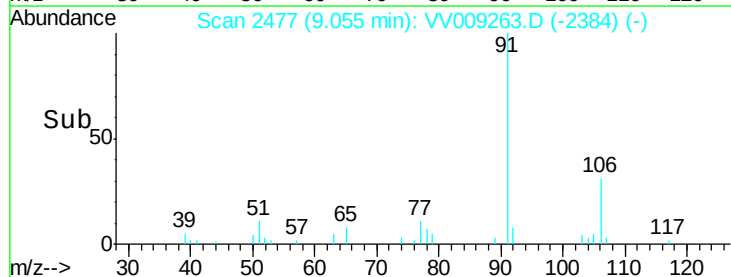
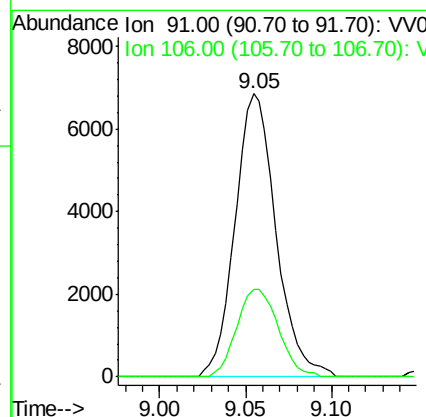
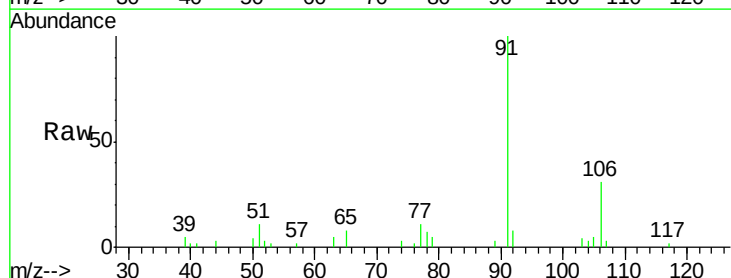
Manual Integrations
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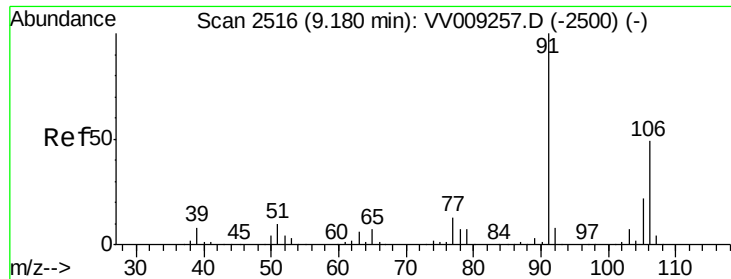
MMDadoda
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#67
 Ethyl Benzene
 Concen: 2.268 ug/l
 RT: 9.05 min Scan# 2477
 Delta R.T. 0.00 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.6	37.0





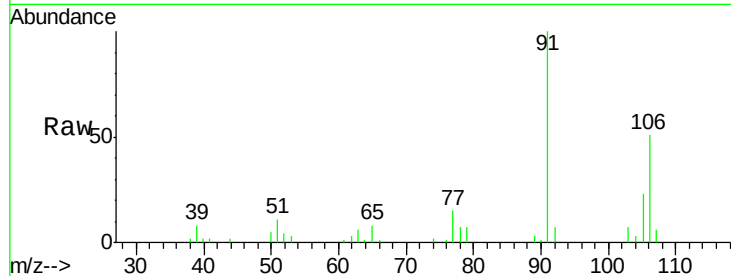
#68
m/p-Xylenes
Concen: 4.237 ug/l
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Instrument :
MSVOA_V
ClientSampled :
MDL07

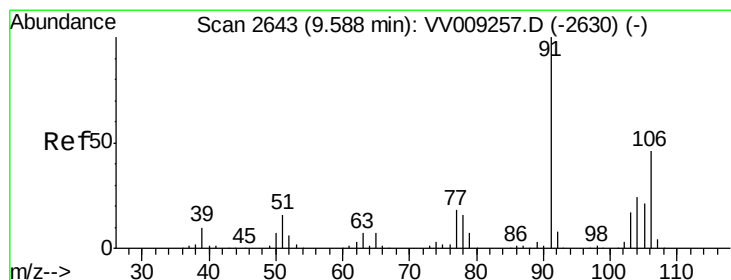
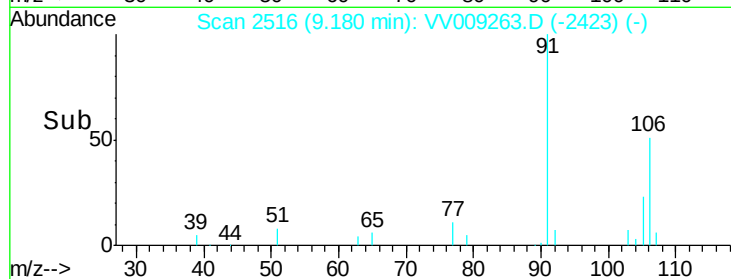
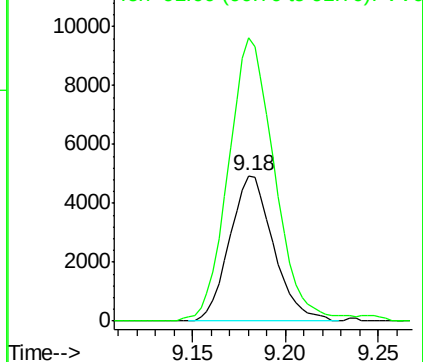
Tot Ion:106 Resp: 8114
Ion Ratio Lower Upper
106 100
91 205.3 161.9 242.9

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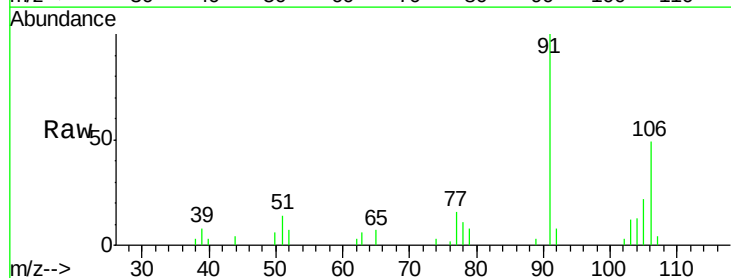


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

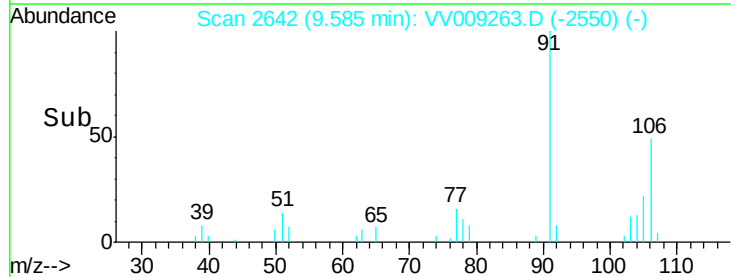
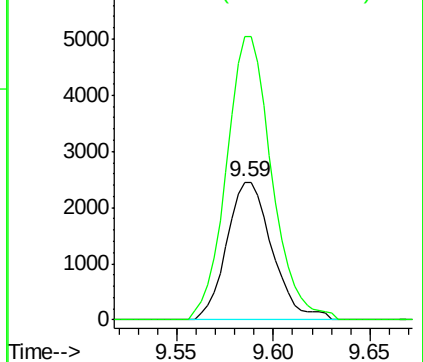


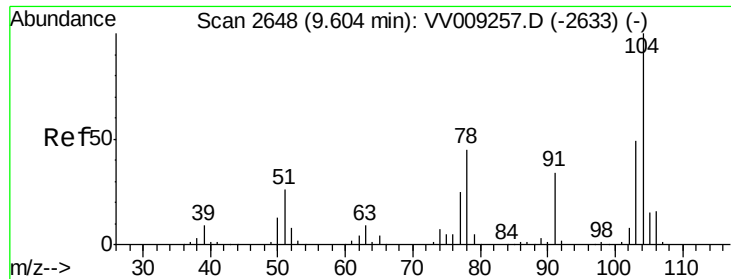
#69
o-Xylene
Concen: 2.239 ug/l
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Tgt Ion:106 Resp: 4007
Ion Ratio Lower Upper
106 100
91 205.2 108.3 324.9



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





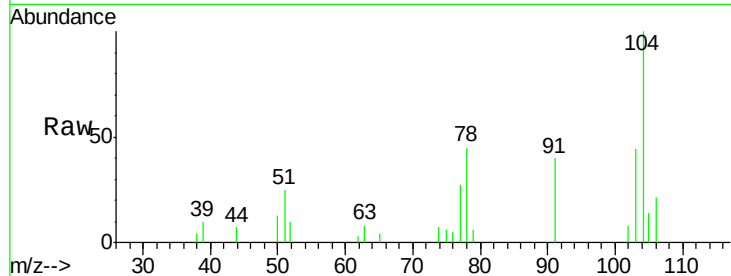
#70
Stvrene
Concen: 2.094 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.0	40.6	60.8
103	49.6	43.3	64.9

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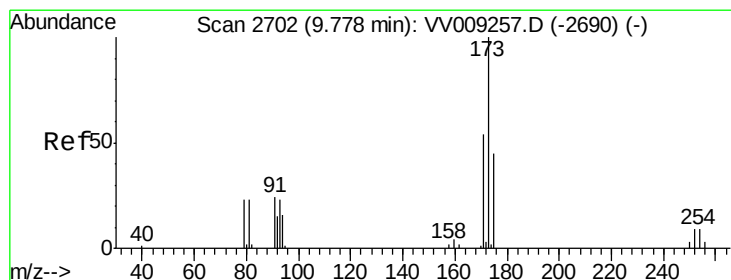
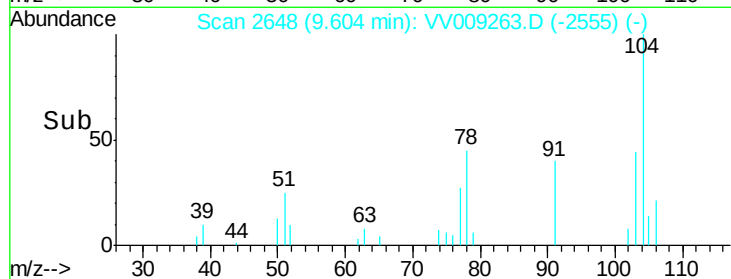
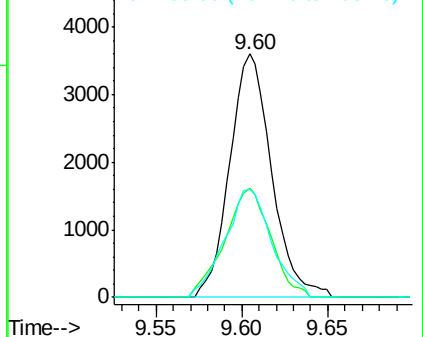


Abundance

Ion 104.00 (103.70 to 104.70): V

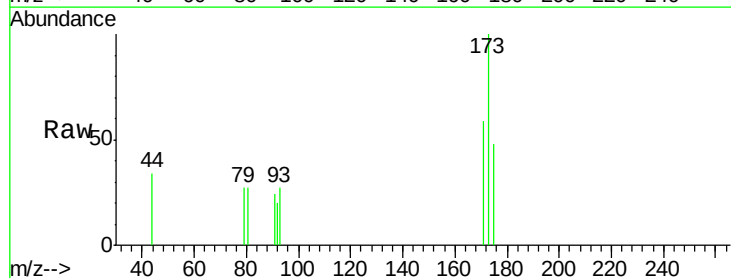
Ion 78.00 (77.70 to 78.70): VV0

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 1.875 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	42.7	23.9	71.7
254	0.0	0.0	0.0

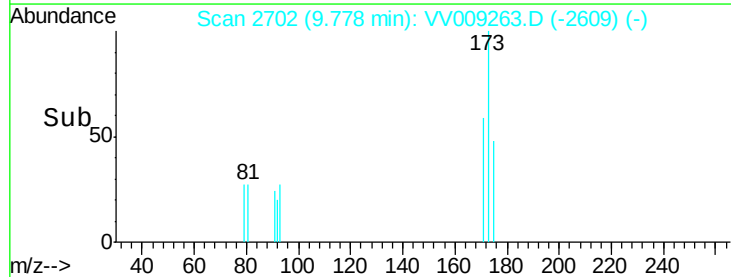
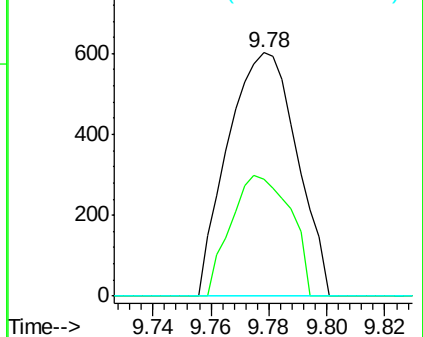


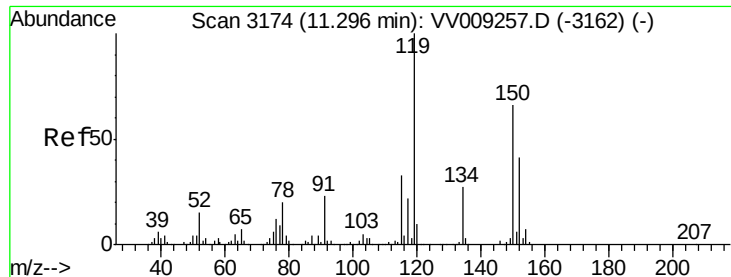
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

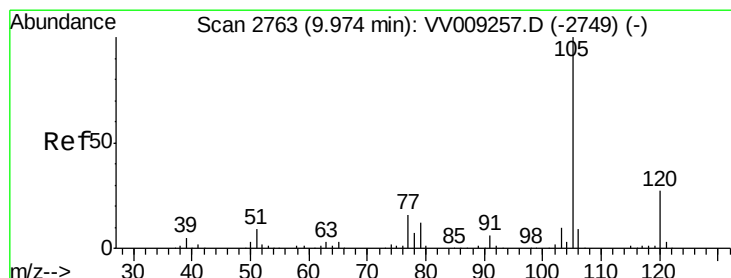
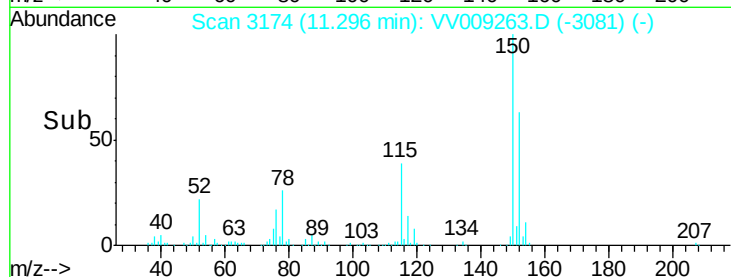
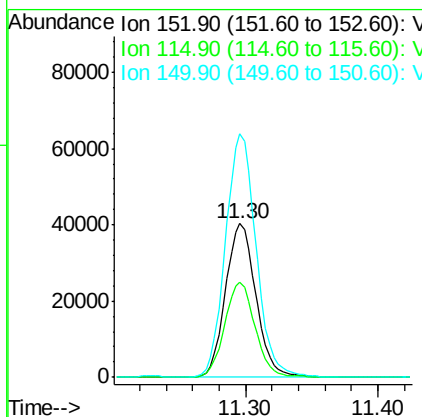
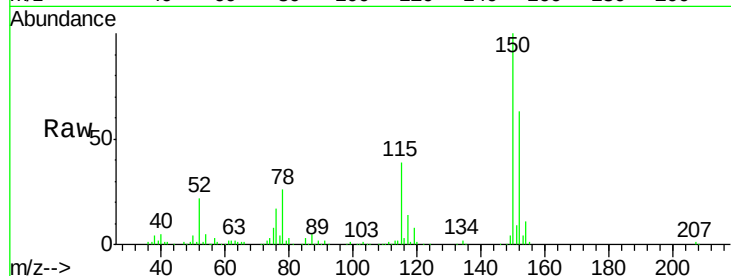
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.30 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.7	43.0	128.8
150	159.3	0.0	352.0

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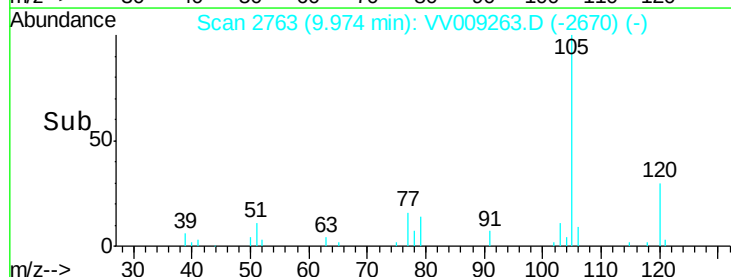
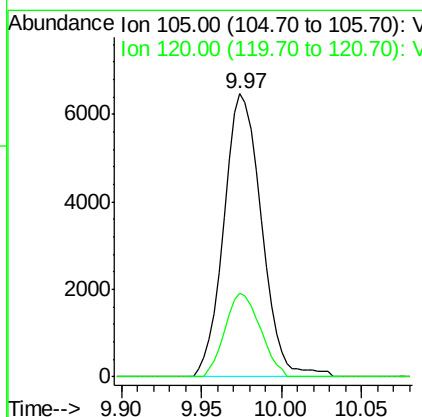
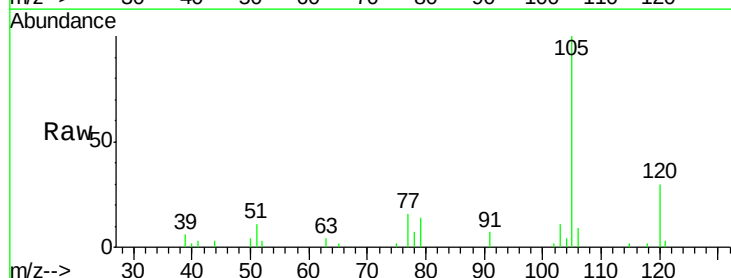
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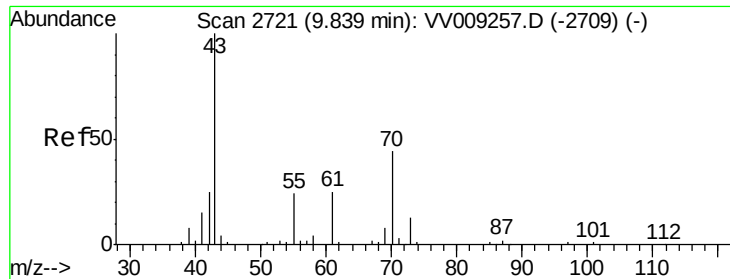


#73

Isopropylbenzene
Concen: 2.169 ug/l
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV009263.D
Acq: 24 Jan 2019 17:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.1	39.3





#74

N-amvl acetate

Concen: 1.797 ug/l

RT: 9.84 min Scan# 2722

Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

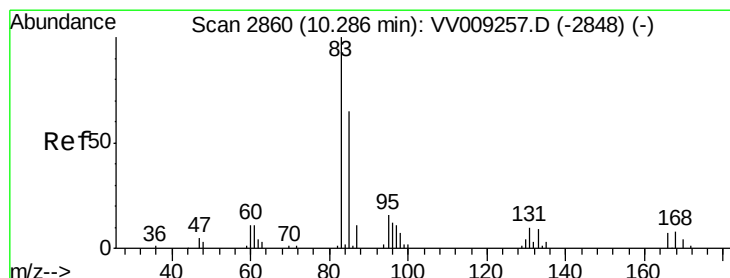
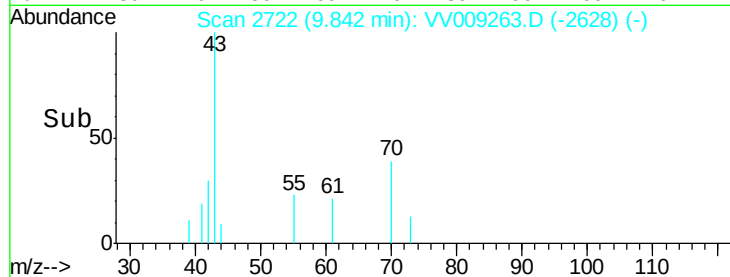
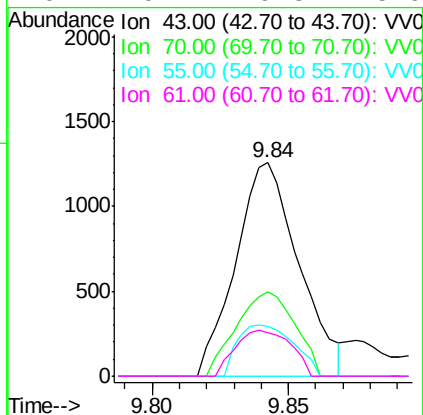
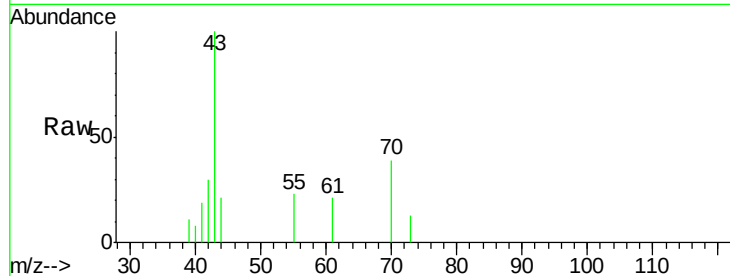
ClientSampleId :

MDL07

Tot Ion	43	Resp	2015
Ion	Ratio	Lower	Upper
43	100		
70	36.6	35.4	53.0
55	21.5	20.4	30.6
61	19.1	19.3	28.9#

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#75

1,1,2,2-Tetrachloroethane

Concen: 2.212 ug/l

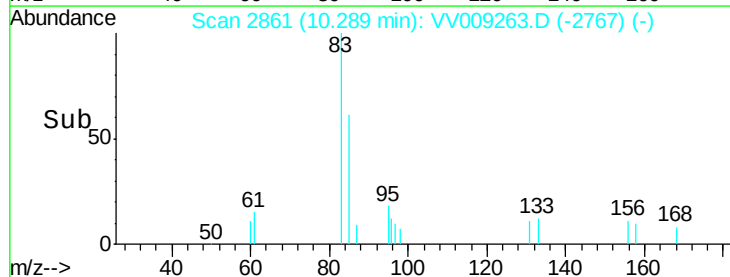
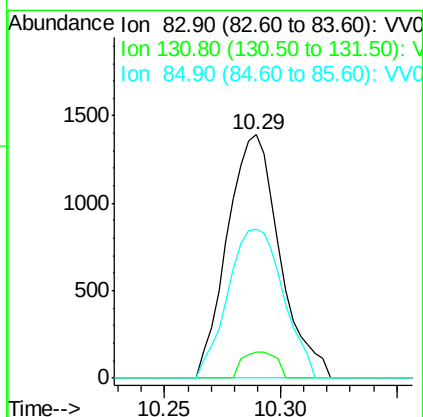
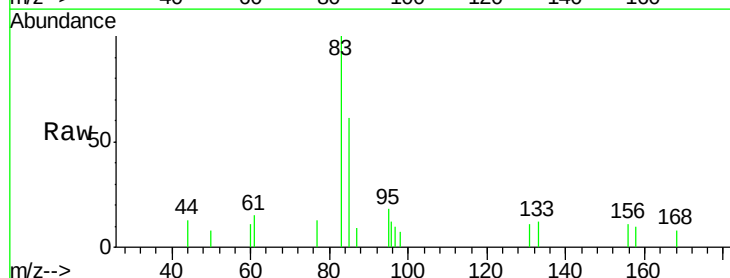
RT: 10.29 min Scan# 2861

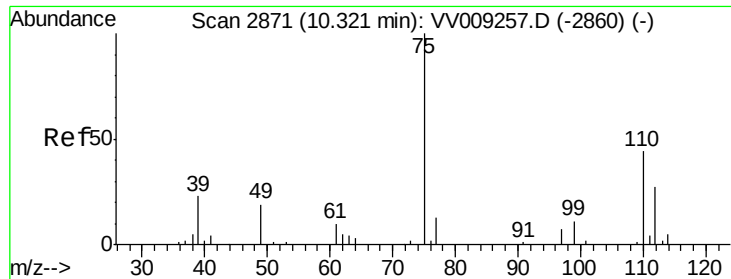
Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Tgt Ion	83	Resp	2180
Ion	Ratio	Lower	Upper
83	100		
131	7.0	5.0	15.0
85	64.9	32.4	97.2





#76

1,2,3-Trichloropropane

Concen: 2.258 ug/l

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 75 Resp: 1720

Ion Ratio Lower Upper

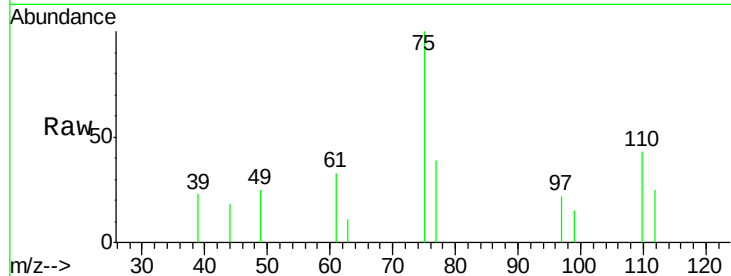
75 100

77 23.0 6.2 18.4#

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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) (-)

3000

2500

2000

1500

1000

500

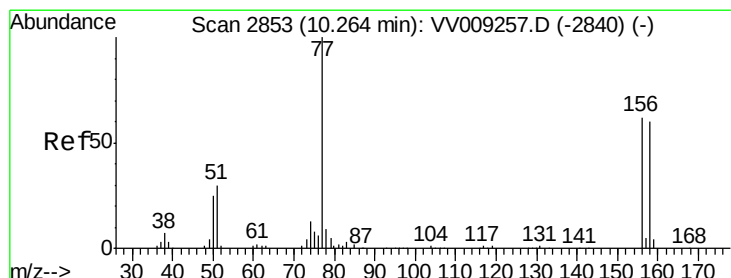
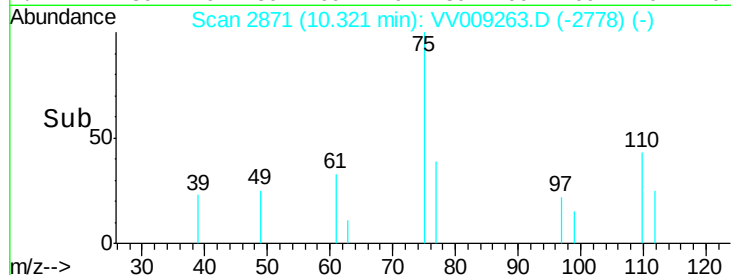
0

10.30

10.32

10.35

Time-->



#77

Bromobenzene

Concen: 2.598 ug/l

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

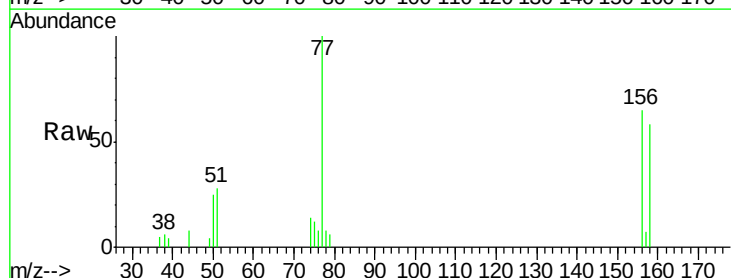
Tgt Ion: 156 Resp: 2905

Ion Ratio Lower Upper

156 100

77 165.3 81.7 244.9

158 86.2 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) (-)

3000

2000

1000

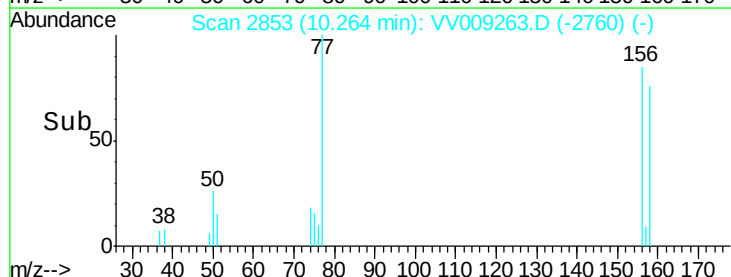
0

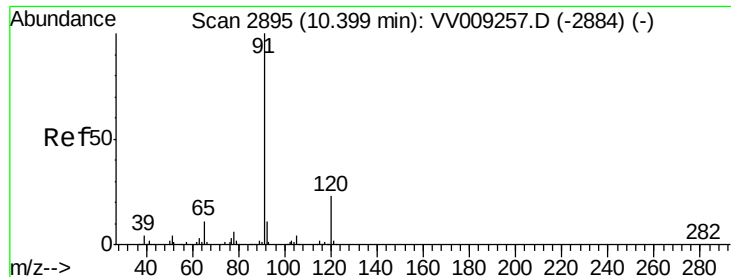
10.20

10.26

10.30

Time-->





#78

n-propylbenzene

Concen: 2.314 ug/l

RT: 10.40 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 91 Resp: 13121

Ion Ratio Lower Upper

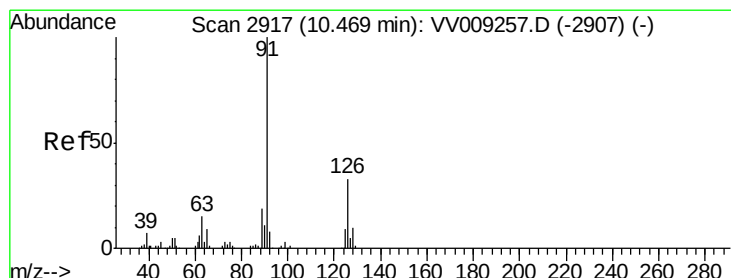
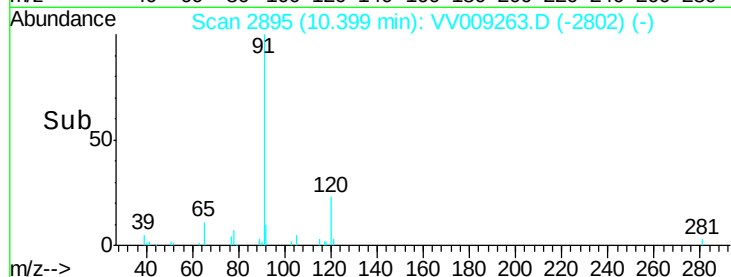
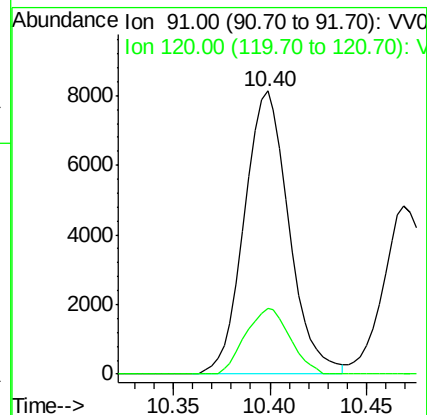
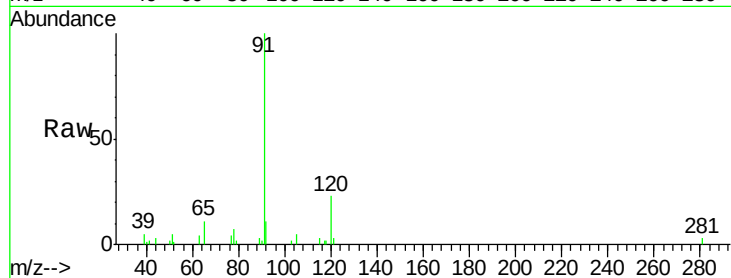
91 100

120 22.9 11.6 34.8

Manual Integrations
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#79

2-Chlorotoluene

Concen: 2.350 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VV009263.D

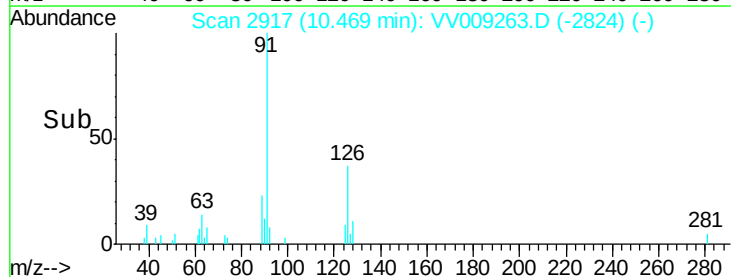
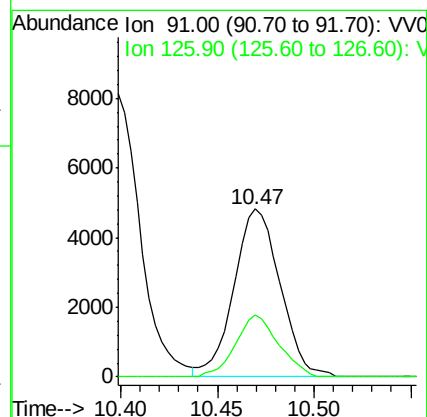
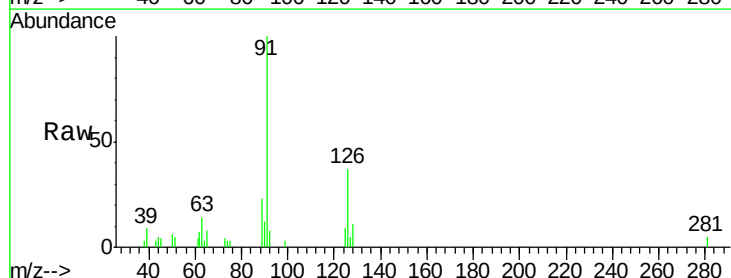
Acq: 24 Jan 2019 17:02

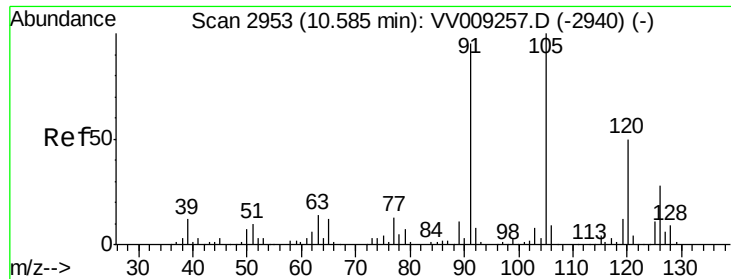
Tgt Ion: 91 Resp: 8032

Ion Ratio Lower Upper

91 100

126 34.1 16.4 49.4





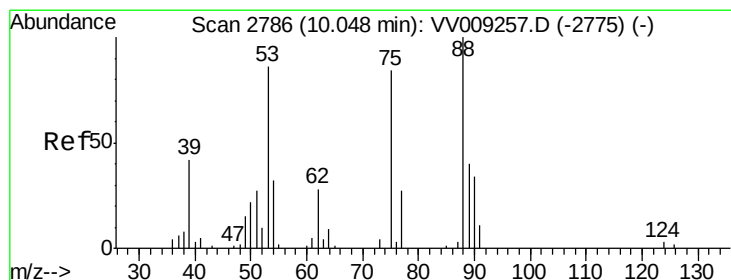
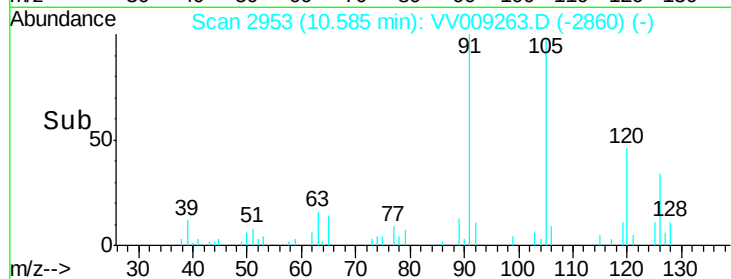
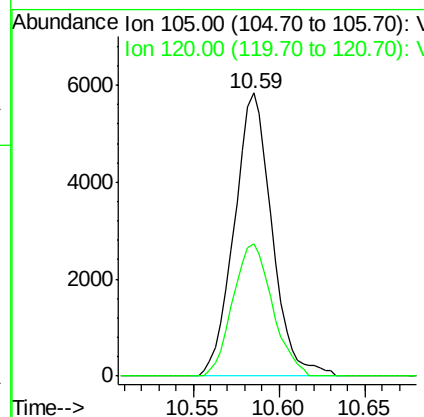
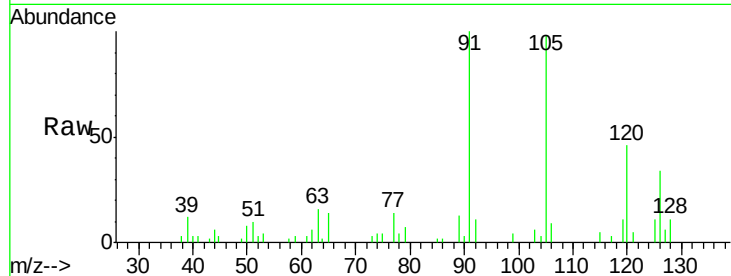
#80
 1,3,5-Trimethylbenzene
 Concen: 2.205 ug/l
 RT: 10.59 min Scan# 2953
 Delta R.T. 0.00 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion:105 Resp: 8888
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.8 74.3

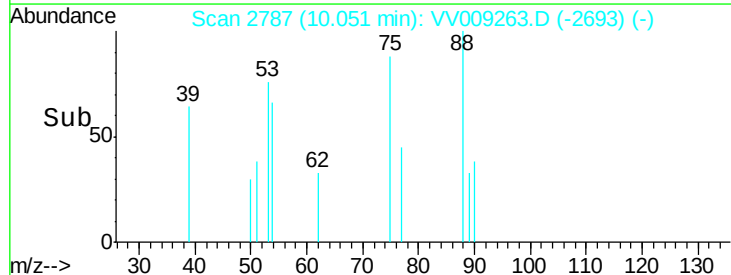
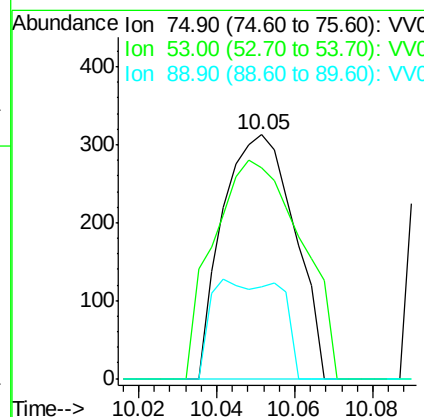
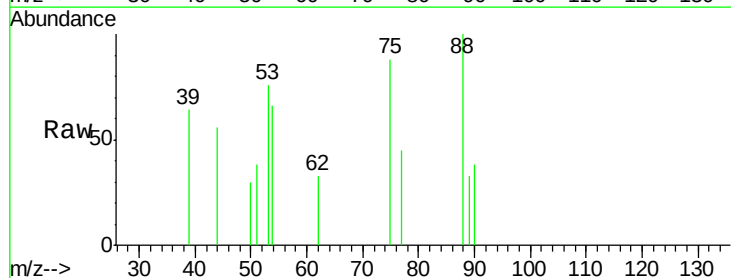
Manual Integrations
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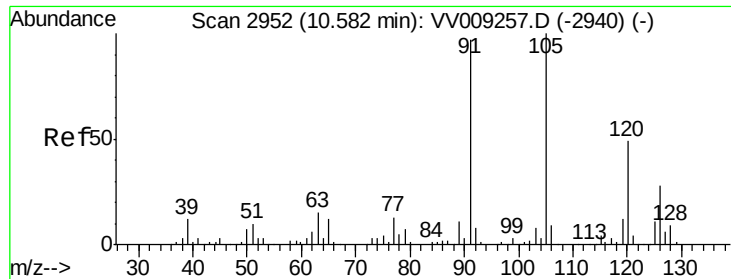
MMDadoda
 1/25/2019 10:01:47 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 1.484 ug/l m
 RT: 10.05 min Scan# 2787
 Delta R.T. 0.00 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Tgt Ion: 75 Resp: 398
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 36.8 55.2#





#82

4-Chlorotoluene

Concen: 2.359 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 91 Resp: 9557

Ion Ratio Lower Upper

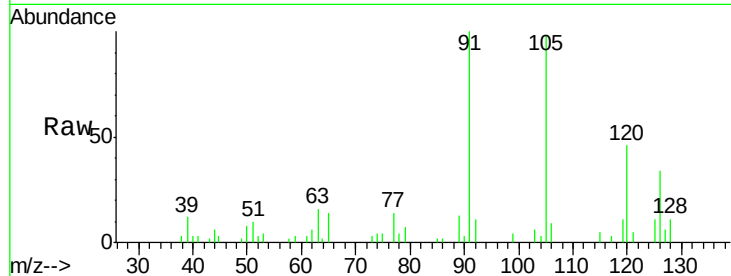
91 100

126 29.8 14.6 44.0

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

Ion 125.90 (125.60 to 126.60): VV009263.D (-2859) (-)

10.59

6000

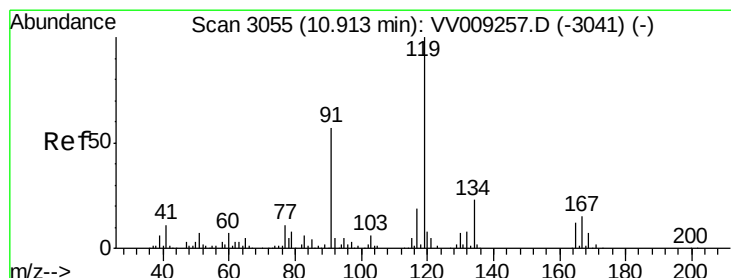
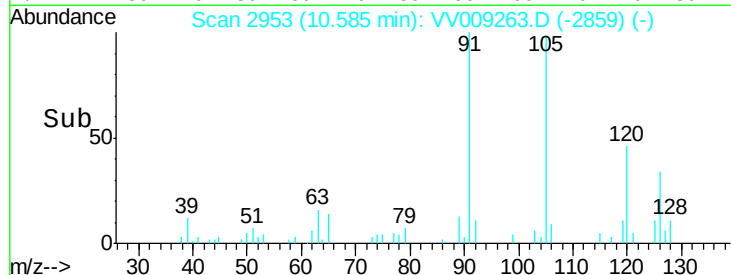
4000

2000

0

Time-->

10.55 10.60 10.65



#83

tert-Butylbenzene

Concen: 2.191 ug/l

RT: 10.91 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

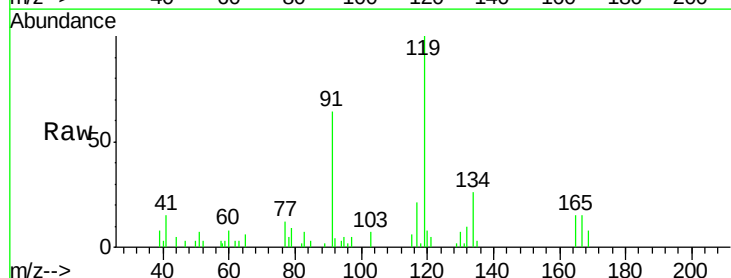
Tgt Ion: 119 Resp: 8528

Ion Ratio Lower Upper

119 100

91 60.4 28.6 85.8

134 23.9 11.9 35.5



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

Ion 91.00 (90.70 to 91.70): VV009263.D (-2859) (-)

Ion 134.00 (133.70 to 134.70): VV009263.D (-2859) (-)

10.91

6000

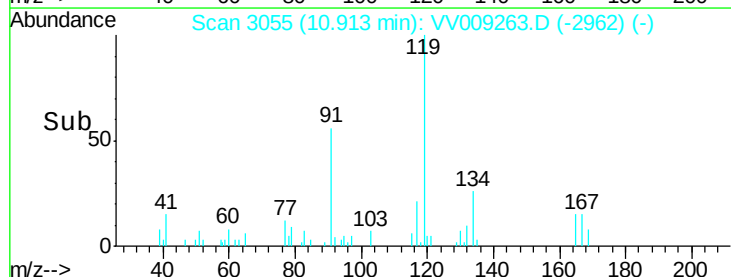
4000

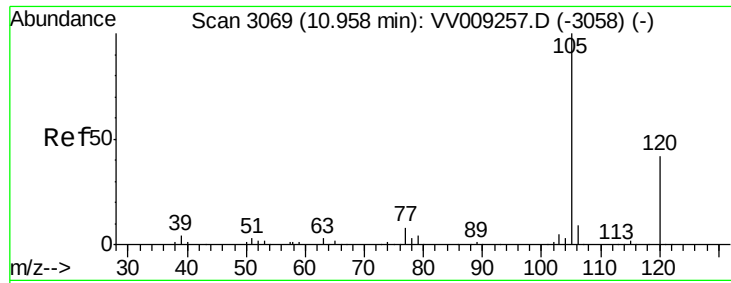
2000

0

Time-->

10.85 10.90 10.95





#84

1,2,4-Trimethylbenzene

Concen: 2.172 ug/l

RT: 10.96 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion:105 Resp: 8991

Ion Ratio Lower Upper

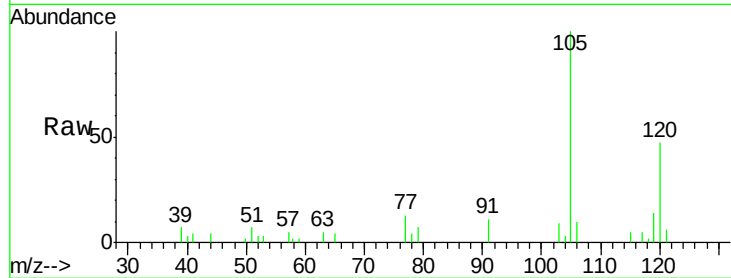
105 100

120 44.5 22.7 68.1

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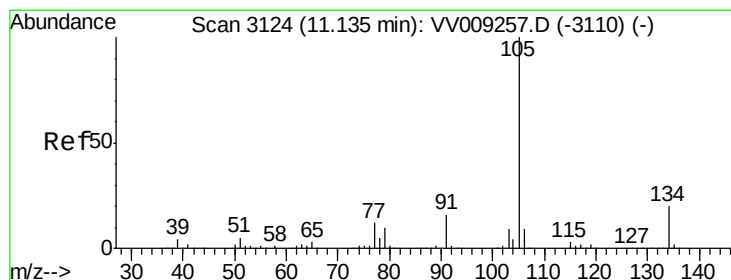
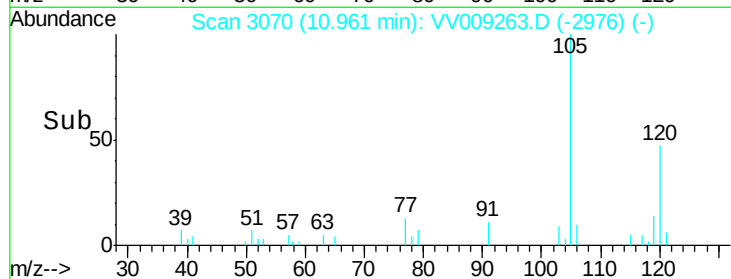
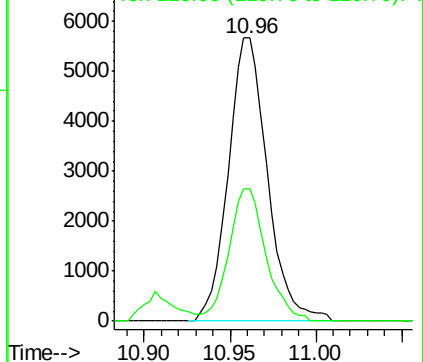
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 2.254 ug/l

RT: 11.13 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VV009263.D

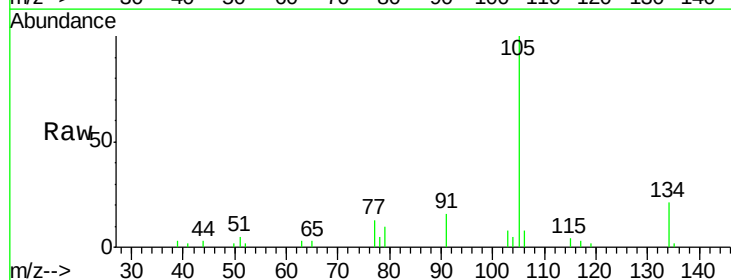
Acq: 24 Jan 2019 17:02

Tgt Ion:105 Resp: 11436

Ion Ratio Lower Upper

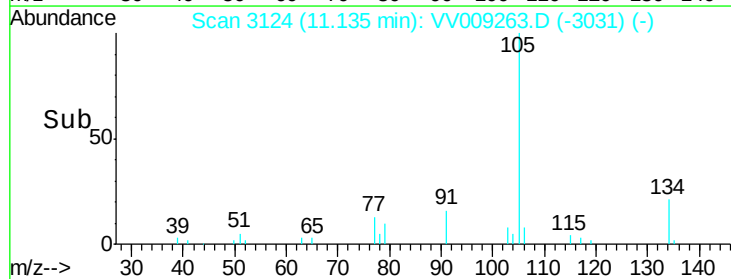
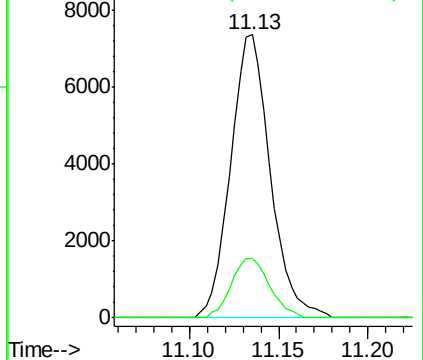
105 100

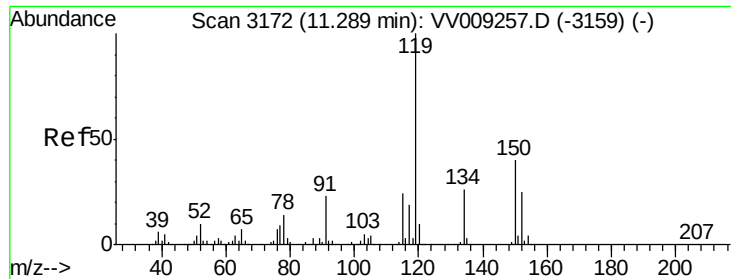
134 20.4 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 2.221 ug/l

RT: 11.29 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

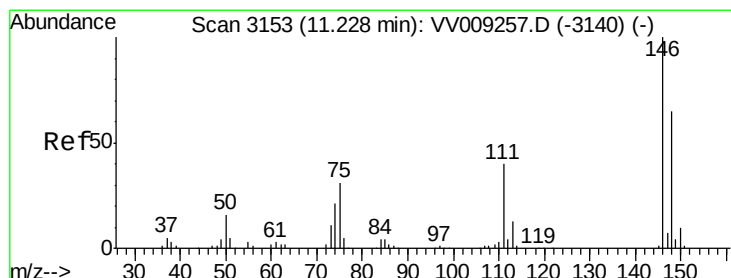
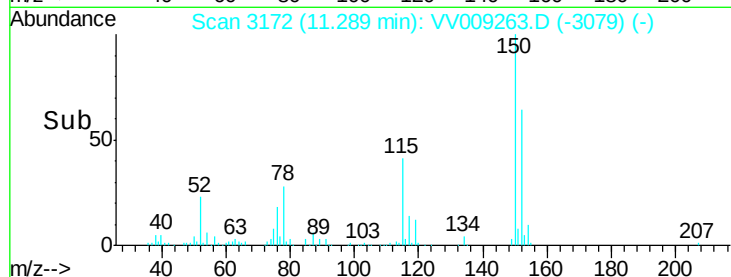
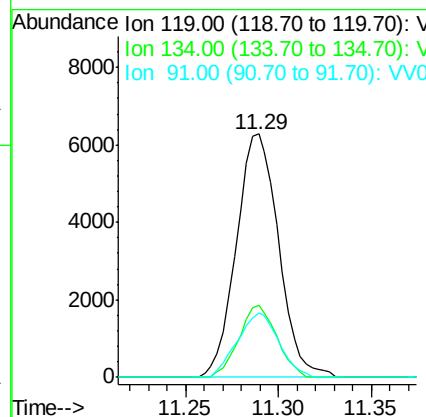
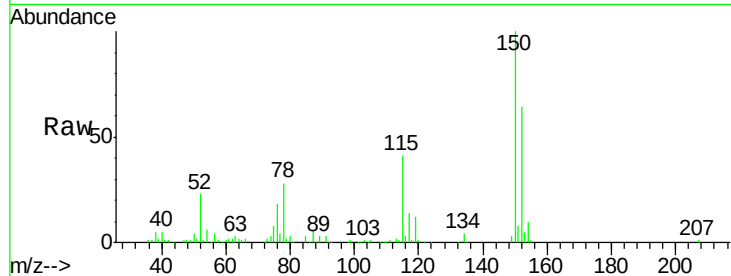
ClientSampleId :

MDL07

Tot Ion:	119	Resp:	9943
Ion Ratio	Lower	Upper	
119	100		
134	26.5	13.2	39.5
91	25.9	11.9	35.7

Manual Integrations
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#87

1,3-Dichlorobenzene

Concen: 2.447 ug/l

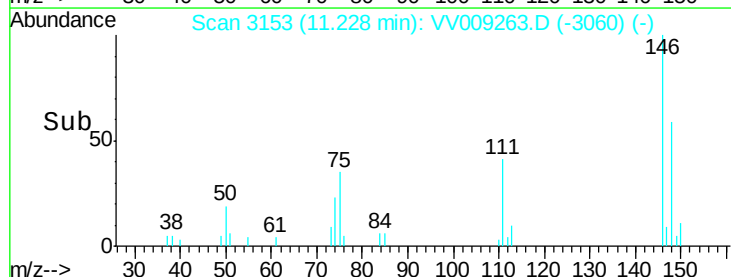
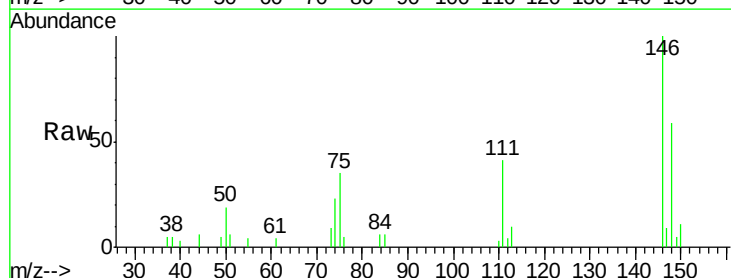
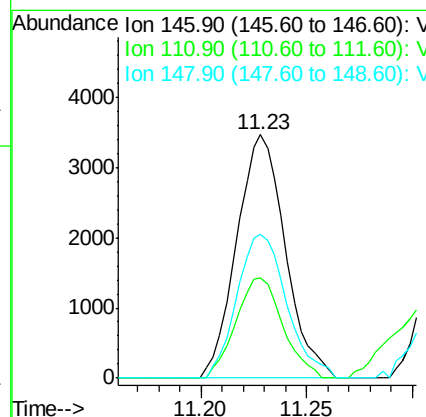
RT: 11.23 min Scan# 3153

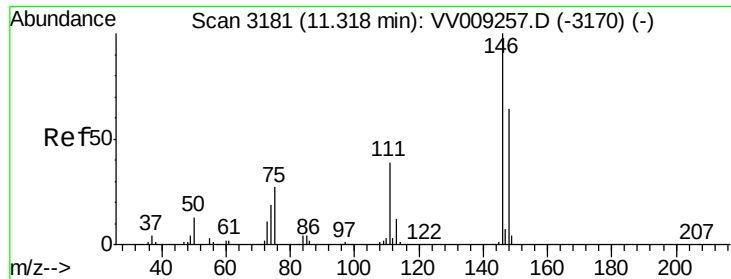
Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Tgt Ion:	146	Resp:	5542
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.2	60.5
148	60.6	31.8	95.3





#88

1,4-Dichlorobenzene

Concen: 2.508 ug/l m

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

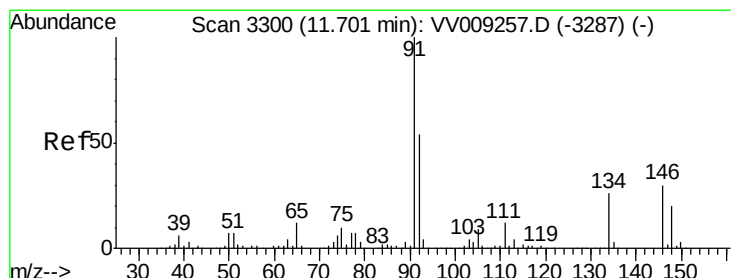
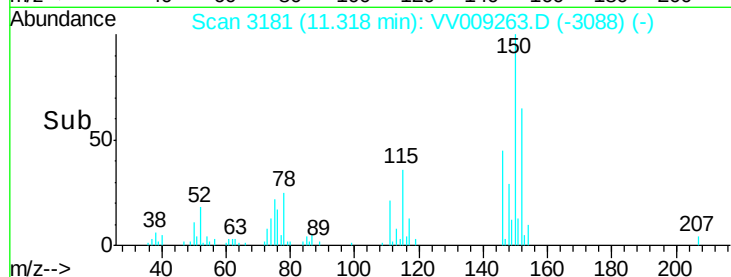
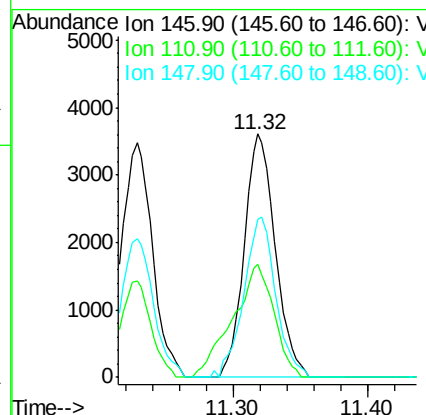
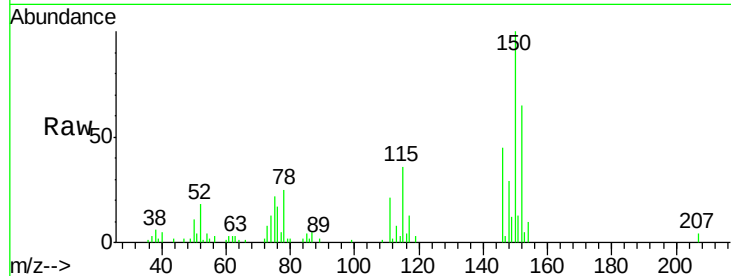
ClientSampled :

MDL07

Tot Ion:	146	Resp:	5799
Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.3	61.0
148	57.9	31.6	94.8

Manual Integrations
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#89

n-Butylbenzene

Concen: 2.327 ug/l

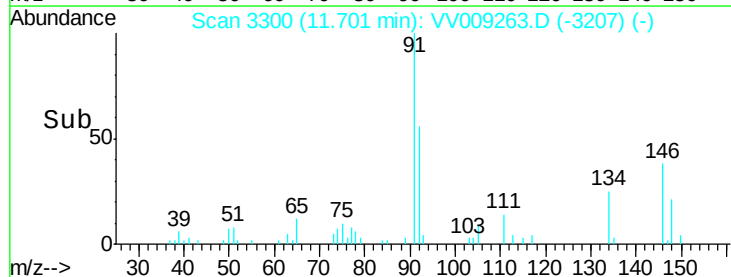
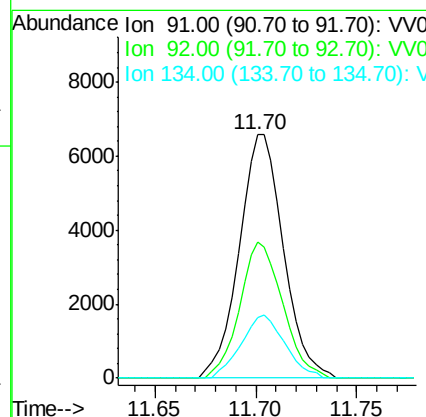
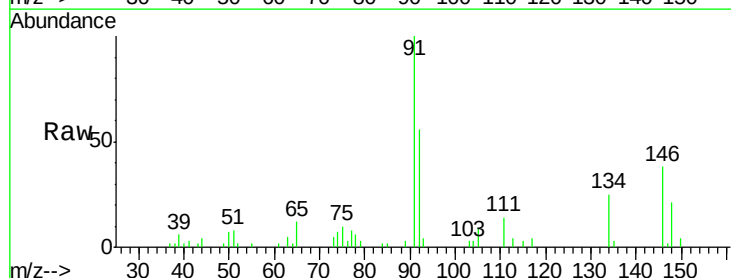
RT: 11.70 min Scan# 3300

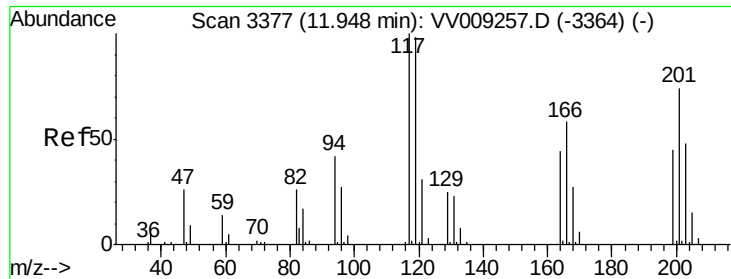
Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Tgt Ion:	91	Resp:	10086
Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.1	81.2
134	25.6	13.1	39.3





#90

Hexachloroethane

Concen: 2.076 ug/l

RT: 11.95 min Scan# 3377

Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion:117 Resp: 1644

Ion Ratio Lower Upper

117 100

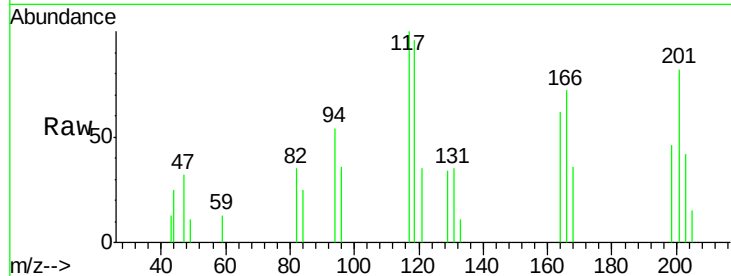
201 77.8 36.4 109.3

Manual Integrations

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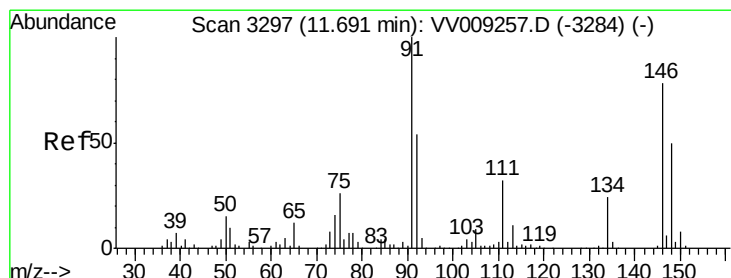
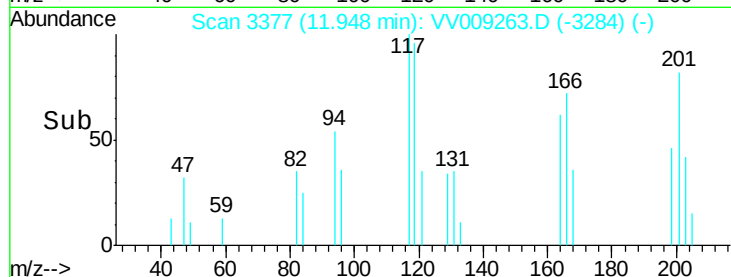
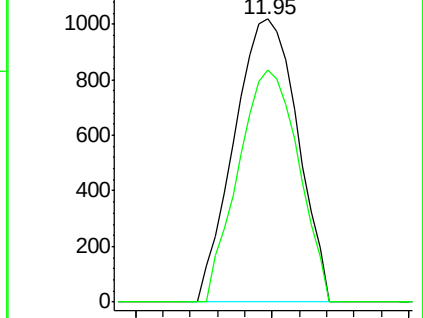
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 2.541 ug/l

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

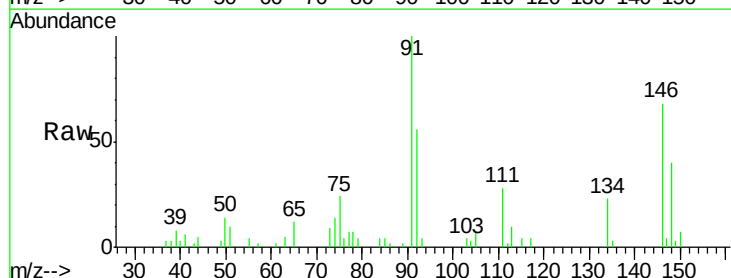
Tgt Ion:146 Resp: 5163

Ion Ratio Lower Upper

146 100

111 39.9 20.9 62.7

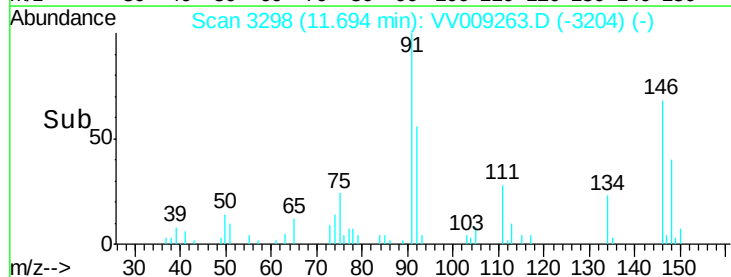
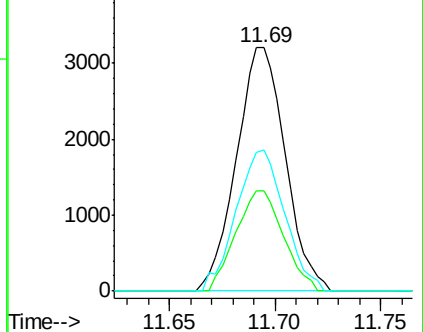
148 57.4 32.1 96.3

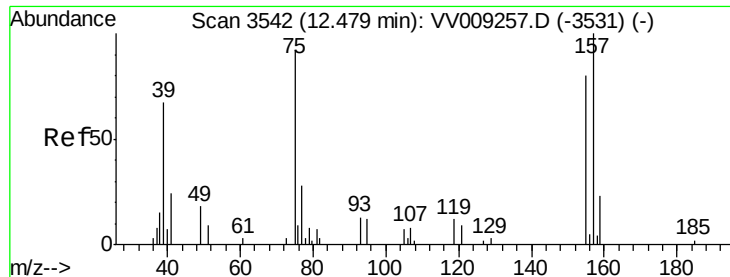


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





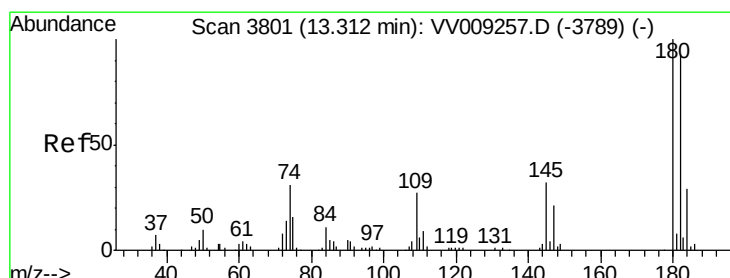
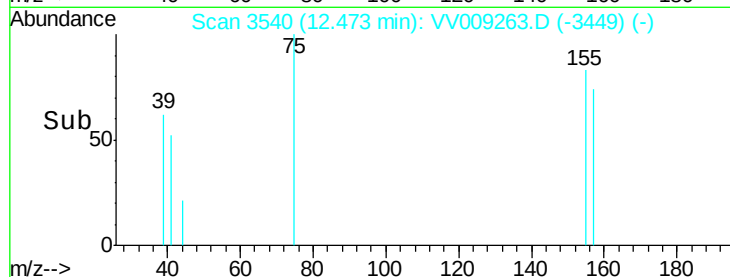
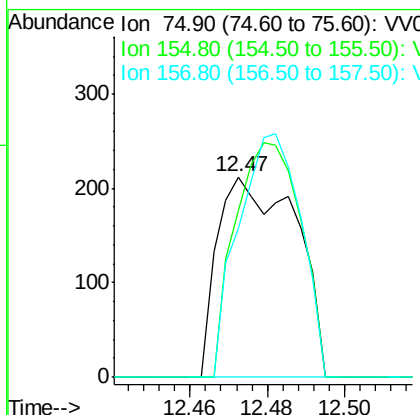
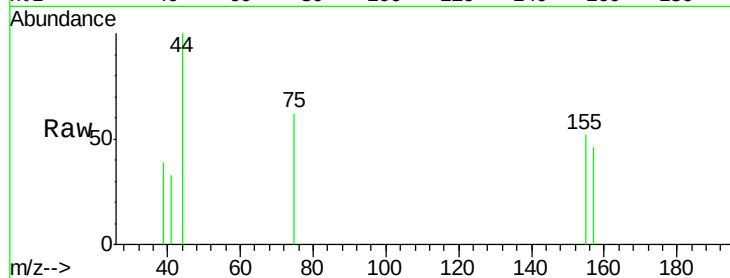
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.811 ug/l
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.01 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
75	100		
155	98.3	41.1	123.4
157	96.6	53.2	159.6

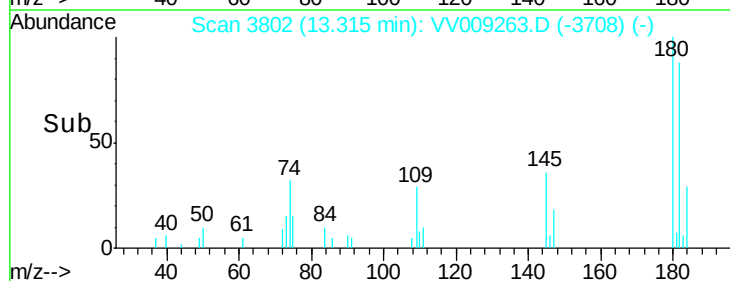
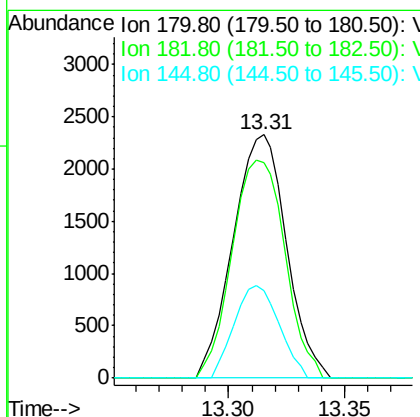
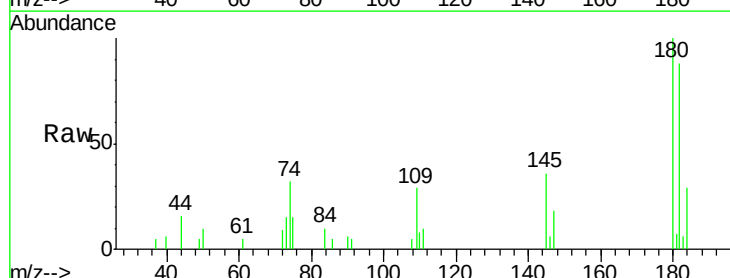
Manual Integrations
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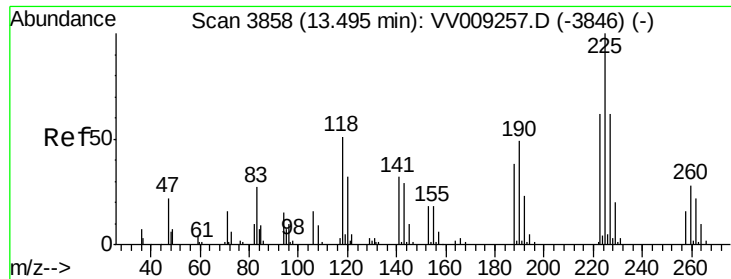
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 1/25/2019 10:01:47 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 2.612 ug/l
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.9	47.1	141.4
145	32.0	15.8	47.4





#94

Hexachlorobutadiene

Concen: 2.792 ug/l

RT: 13.50 min Scan# 3859

Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Instrument :

MSVOA_V

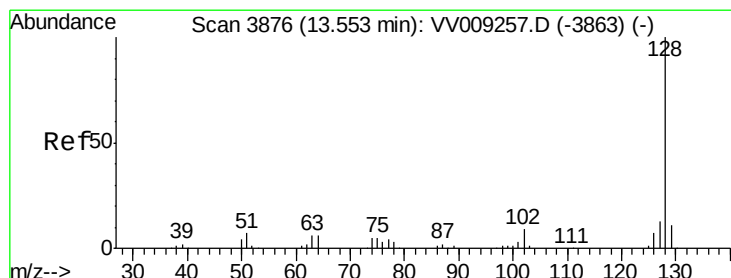
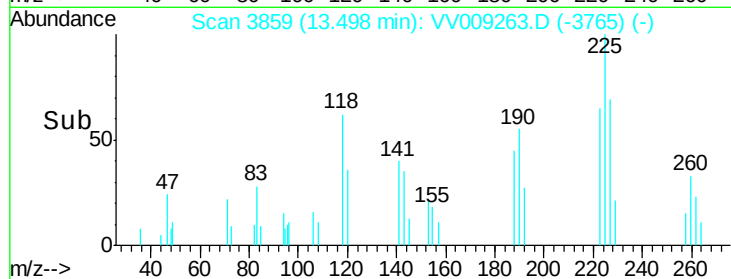
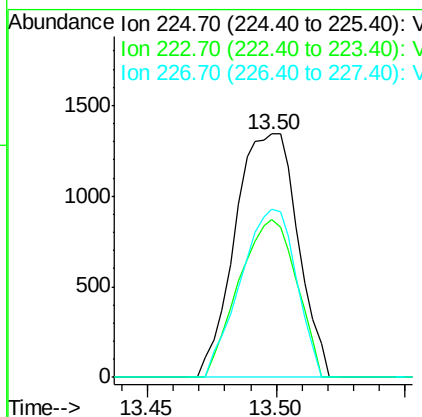
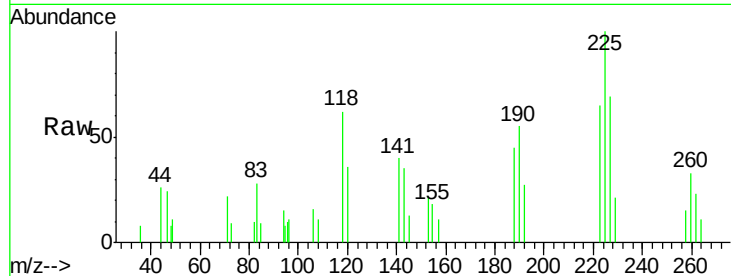
ClientSampled :

MDL07

Tot Ion:	225	Resp:	2273
Ion Ratio	Lower	Upper	
225	100		
223	59.7	31.3	93.9
227	61.4	31.6	94.7

Manual Integrations
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1/25/2019 10:01:47 AM



#95

Naphthalene

Concen: 2.120 ug/l

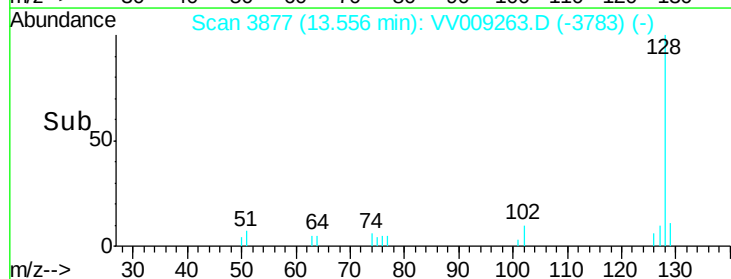
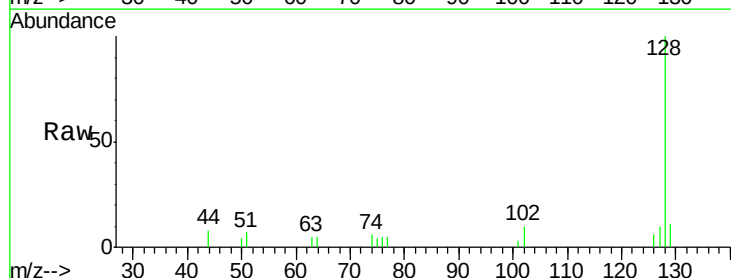
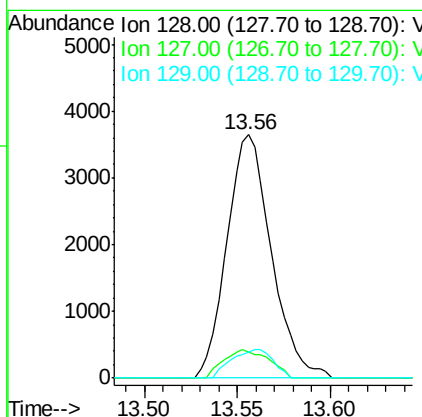
RT: 13.56 min Scan# 3877

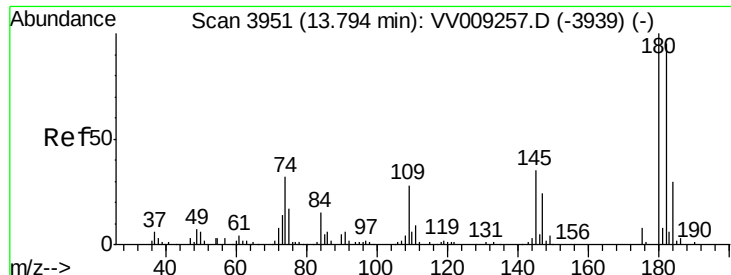
Delta R.T. 0.00 min

Lab File: VV009263.D

Acq: 24 Jan 2019 17:02

Tgt Ion:	128	Resp:	6047
Ion Ratio	Lower	Upper	
128	100		
127	11.9	10.4	15.6
129	11.1	8.6	12.8





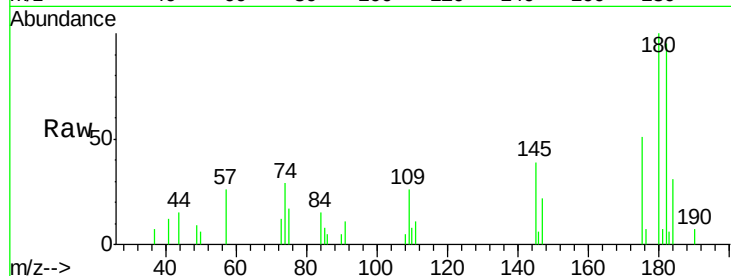
#96
 1,2,3-Trichlorobenzene
 Concen: 2.636 ug/l
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV009263.D
 Acq: 24 Jan 2019 17:02

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.5	142.6
145	37.9	17.2	51.6

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:01:47 AM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

