

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072919\
 Data File : VV012063.D
 Acq On : 29 Jul 2019 15:34
 Operator : SY/MD
 Sample : MDL01
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2019 10:58:13 AM

Quant Time: Jul 30 08:57:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 30 08:46:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	178048	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	169331	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	85713	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39356	3.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.20%
7) Chloroethane-d5	1.59	69	27944	3.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.00%
11) 1,1-Dichloroethene-d2	2.13	63	55594	3.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	3.97	46	97915	42.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.56%
24) Chloroform-d	4.40	84	89022	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
26) 1,2-Dichloroethane-d4	5.08	65	49586	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
32) Benzene-d6	5.10	84	189409	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.12	67	53737	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.36	98	172340	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	7.66	79	20121	3.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.20%
46) 2-Hexanone-d5	8.14	63	77537	42.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.06%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	36451	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.40%
66) 1,2-Dichlorobenzene-d4	11.67	152	68233	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5046	0.249 ug/L	96
3) Chloromethane	1.25	50	3048	0.262 ug/L	95
5) Vinyl chloride	1.32	62	2938	0.247 ug/L #	60
6) Bromomethane	1.54	94	1529	0.215 ug/L	95
8) Chloroethane	1.60	64	1696	0.263 ug/L	97
9) Trichlorofluoromethane	1.77	101	4811	0.237 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2550	0.289 ug/L #	84
12) 1,1-Dichloroethene	2.14	96	2314	0.283 ug/L #	1
13) Acetone	2.23	43	3545m	2.815 ug/L	
14) Carbon disulfide	2.32	76	5768	0.253 ug/L #	94
15) Methyl Acetate	2.48	43	632	0.244 ug/L #	73
16) Methylene chloride	2.54	84	2815	0.336 ug/L	84
17) Methyl tert-butyl Ether	2.81	73	6464	0.251 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	2877	0.244 ug/L	93
19) 1,1-Dichloroethane	3.23	63	5316	0.252 ug/L	91
21) 2-Butanone	4.06	43	7113m	2.862 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	3322	0.265 ug/L	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.29	128	1415	0.257	ug/L	75
25) Chloroform	4.43	83	15213	0.576	ug/L	99
27) 1,2-Dichloroethane	5.19	62	3862	0.265	ug/L #	76
29) 1,1,1-Trichloroethane	4.66	97	4861	0.232	ug/L	96
30) Cyclohexane	4.72	56	4444	0.248	ug/L	97
31) Carbon tetrachloride	4.87	117	4517	0.240	ug/L #	56
33) Benzene	5.15	78	12264	0.267	ug/L	100
34) Trichloroethene	5.96	95	3759	0.287	ug/L	90
35) Methylcyclohexane	6.17	83	5166	0.251	ug/L	96
37) 1,2-Dichloropropane	6.22	63	2869	0.270	ug/L #	90
38) Bromodichloromethane	6.56	83	4028	0.268	ug/L #	97
39) cis-1,3-Dichloropropene	7.07	75	4376	0.262	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	13784	2.296	ug/L #	86
42) Toluene	7.43	91	13423	0.262	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	2922m	0.217	ug/L	
45) 1,1,2-Trichloroethane	7.88	97	2017	0.249	ug/L	89
47) Tetrachloroethene	8.02	164	3203	0.279	ug/L	86
48) 2-Hexanone	8.19	43	10929	2.576	ug/L	90
49) Dibromochloromethane	8.29	129	2409	0.242	ug/L	93
50) 1,2-Dibromoethane	8.40	107	2022	0.267	ug/L #	86
51) Chlorobenzene	8.93	112	9390	0.275	ug/L	94
52) Ethylbenzene	9.06	91	13828	0.237	ug/L	92
53) m,p-xylene	9.18	106	5568	0.251	ug/L	89
54) o-xylene	9.59	106	4908	0.233	ug/L	89
55) Styrene	9.60	104	8097	0.229	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.29	83	2451	0.281	ug/L	97
59) Bromoform	9.77	173	1215	0.234	ug/L #	89
60) Isopropylbenzene	9.97	105	13696	0.250	ug/L	97
61) 1,2,3-Trichloropropane	10.32	75	1616	0.259	ug/L	95
62) 1,3,5-Trimethylbenzene	10.58	105	10655	0.236	ug/L	96
63) 1,2,4-Trimethylbenzene	10.96	105	9557	0.213	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	7488	0.274	ug/L	90
65) 1,4-Dichlorobenzene	11.32	146	8235	0.296	ug/L	98
67) 1,2-Dichlorobenzene	11.69	146	6695	0.270	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.47	75	327	0.254	ug/L	88
69) 1,3,5-Trichlorobenzene	12.69	180	6099	0.270	ug/L	96
70) 1,2,4-trichlorobenzene	13.31	180	4826	0.270	ug/L	93
71) Naphthalene	13.55	128	5991	0.242	ug/L	96
72) 1,2,3-Trichlorobenzene	13.79	180	3990	0.252	ug/L	97

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

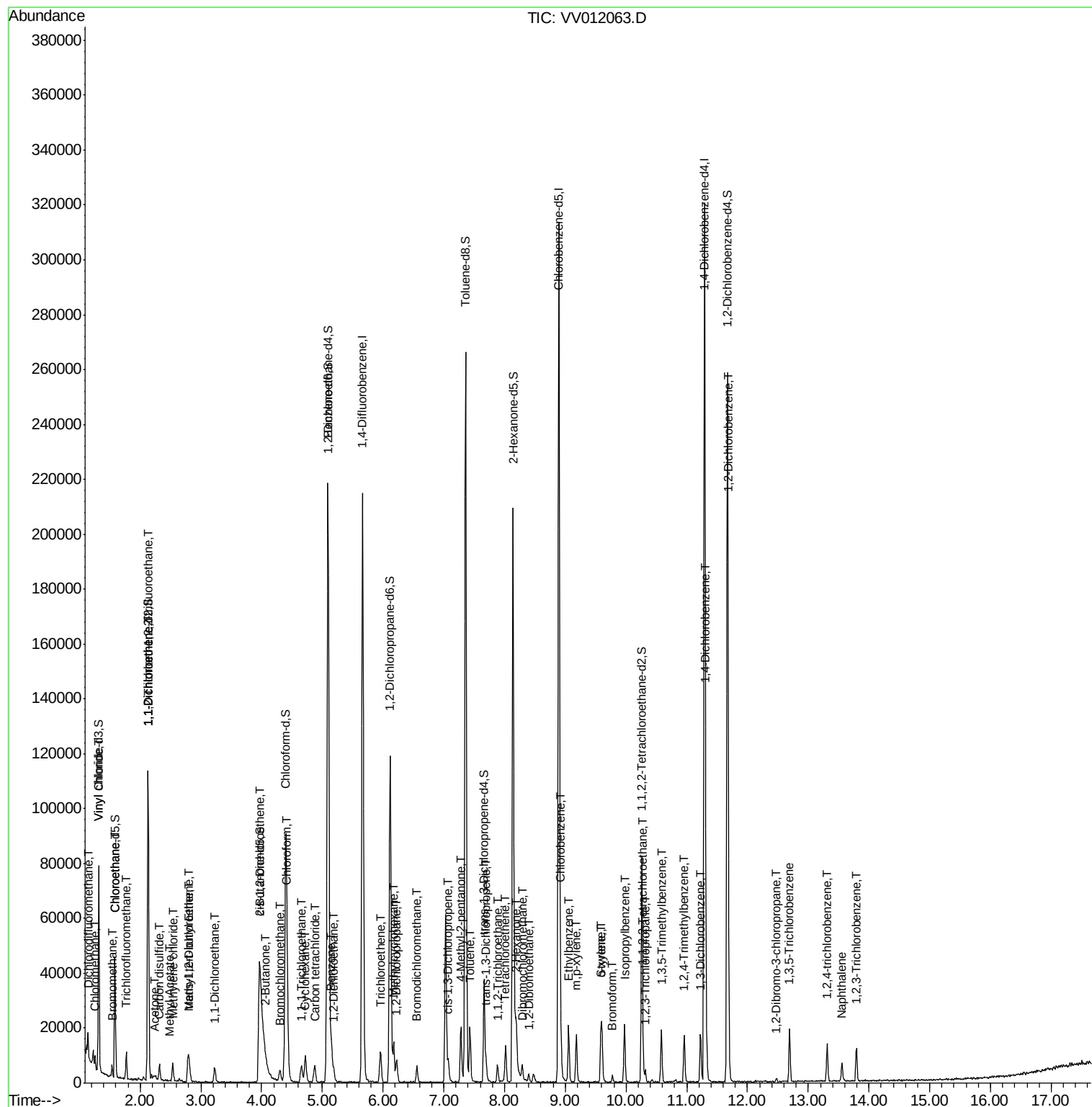
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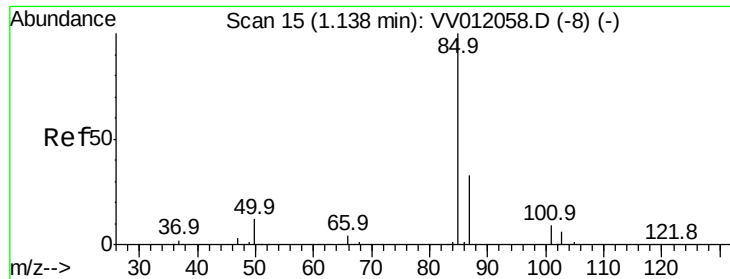
Instrument :
MSVOA_V
ClientSampleId :
MDL01

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#2

Dichlorodifluoromethane

Concen: 0.249 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 85 Resp: 5046

Ion Ratio Lower Upper

85 100

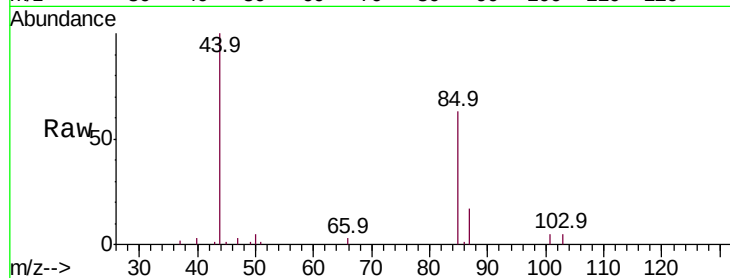
87 30.2 25.9 38.9

Manual Integrations

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Abundance Ion 85.00 (84.70 to 85.70): VV012058.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012058.D (-8) (-)

1.14

6000

5000

4000

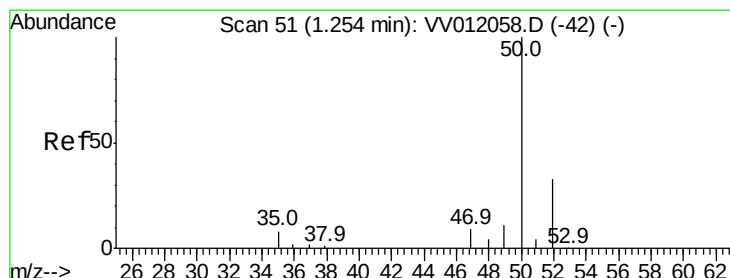
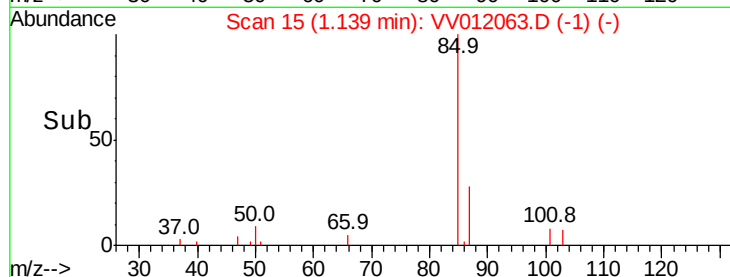
3000

2000

1000

0

Time-->



#3

Chloromethane

Concen: 0.262 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012063.D

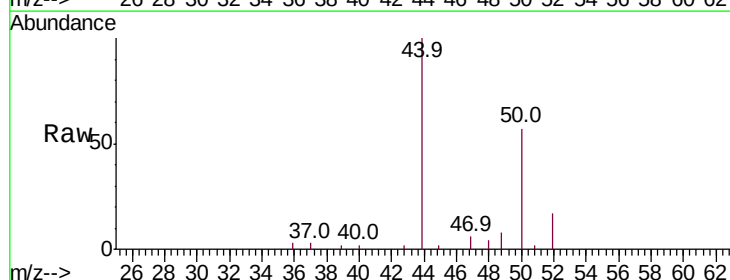
Acq: 29 Jul 2019 15:34

Tgt Ion: 50 Resp: 3048

Ion Ratio Lower Upper

50 100

52 30.4 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV012058.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV012058.D (-42) (-)

1.25

3000

2500

2000

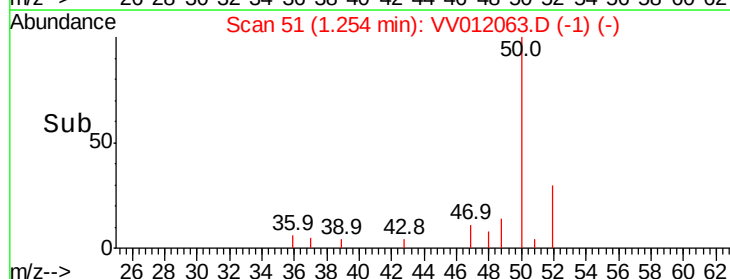
1500

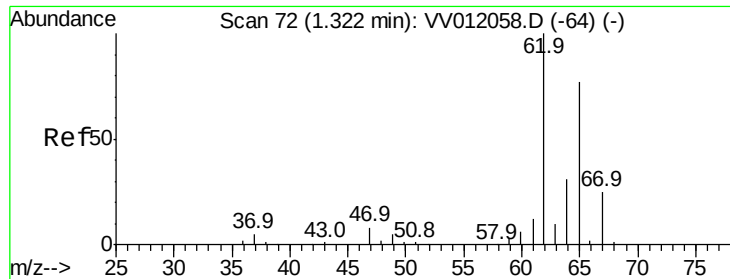
1000

500

0

Time-->





#5

Vinyl chloride

Concen: 0.247 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 62 Resp: 2938

Ion Ratio Lower Upper

62 100

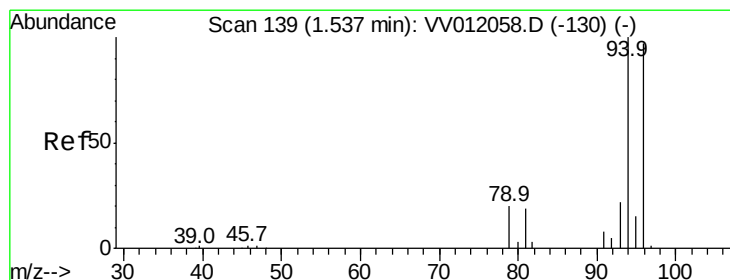
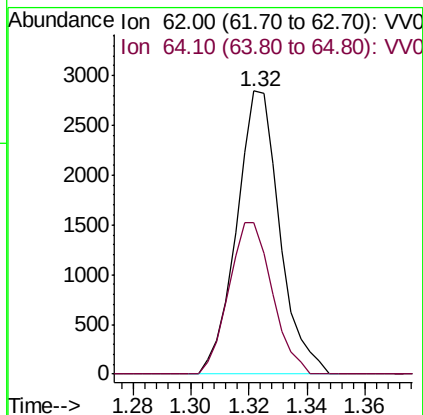
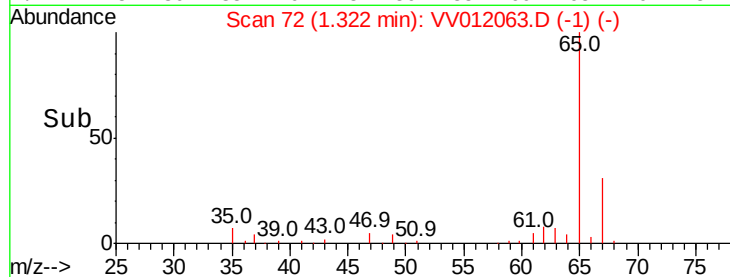
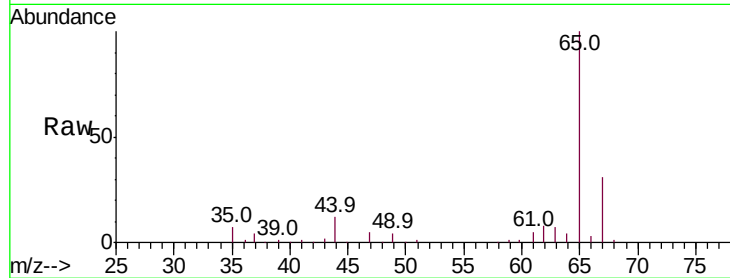
64 53.7 22.0 41.0#

Manual Integrations

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7/30/2019 10:58:13 AM



#6

Bromomethane

Concen: 0.215 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012063.D

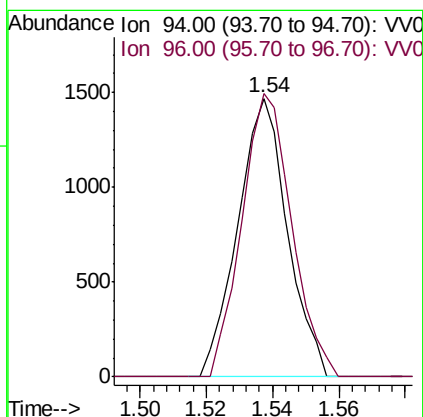
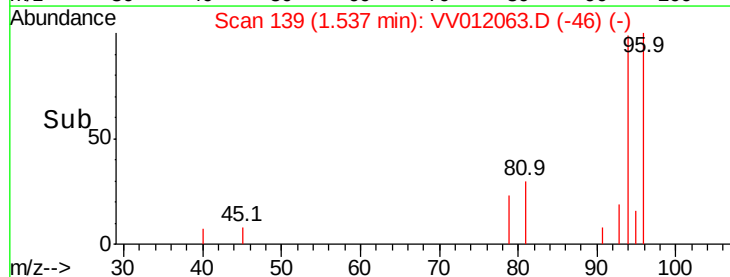
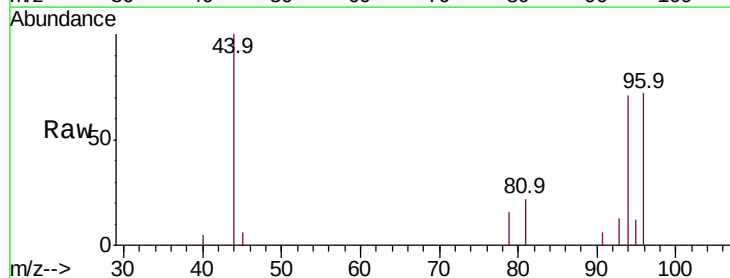
Acq: 29 Jul 2019 15:34

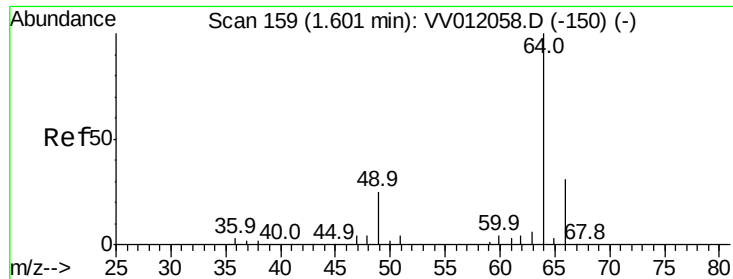
Tgt Ion: 94 Resp: 1529

Ion Ratio Lower Upper

94 100

96 101.5 67.8 125.8





#8

Chloroethane

Concen: 0.263 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.01 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 64 Resp: 1696

Ion Ratio Lower Upper

64 100

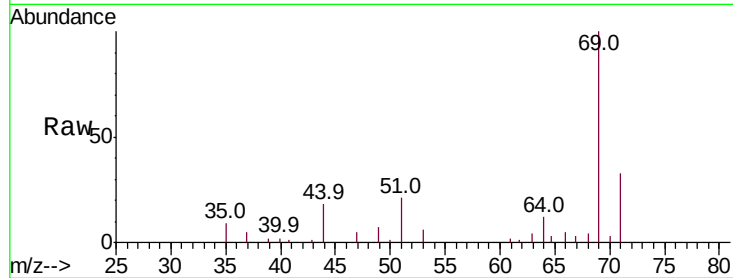
66 32.8 21.7 40.3

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VV012058.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV012058.D (-150) (-)

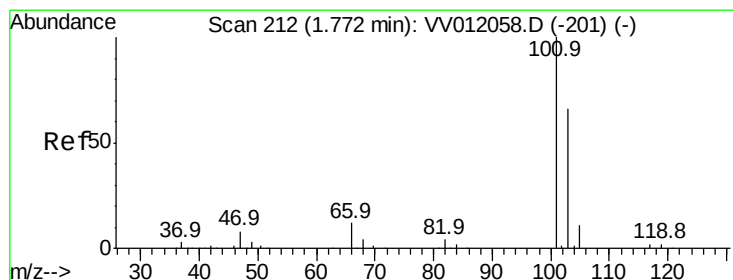
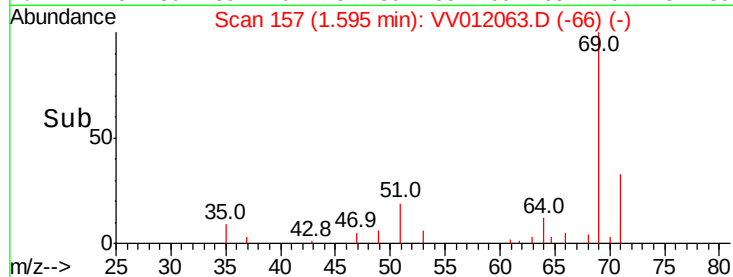
1.60

1000

500

0

Time-->



#9

Trichlorofluoromethane

Concen: 0.237 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012063.D

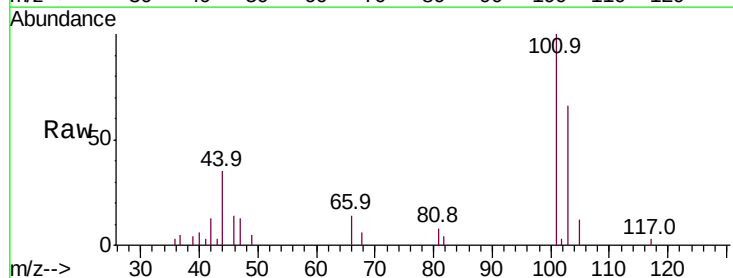
Acq: 29 Jul 2019 15:34

Tgt Ion:101 Resp: 4811

Ion Ratio Lower Upper

101 100

103 64.4 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VV012058.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV012058.D (-201) (-)

1.77

4000

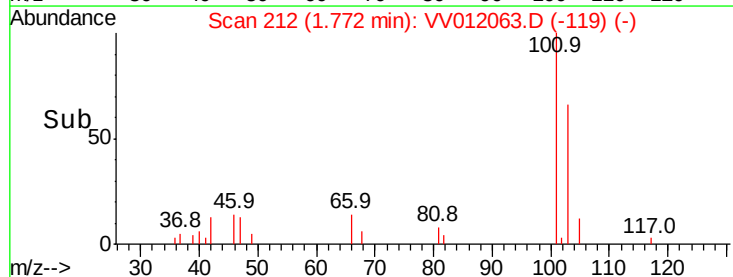
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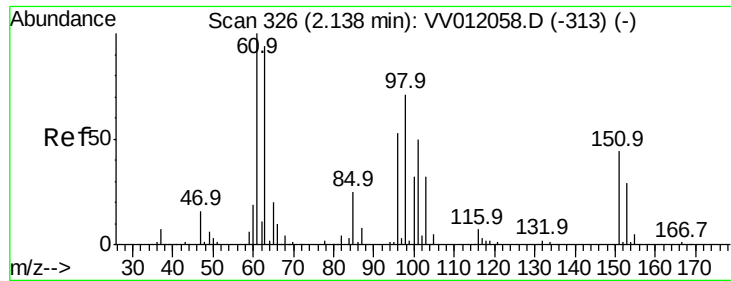
2000

1000

0

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.289 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

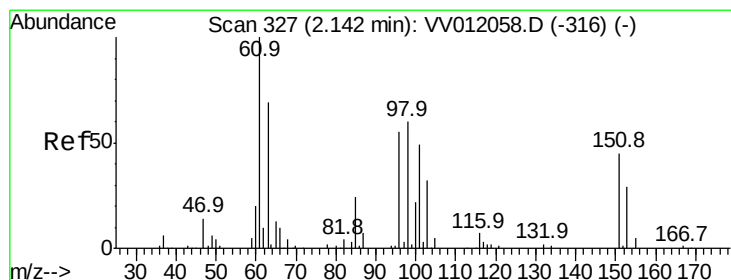
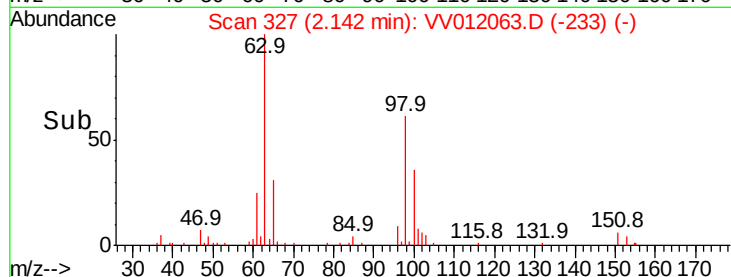
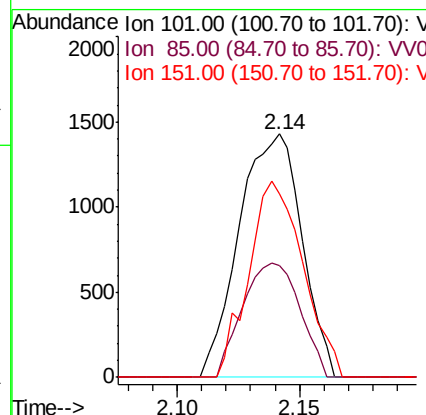
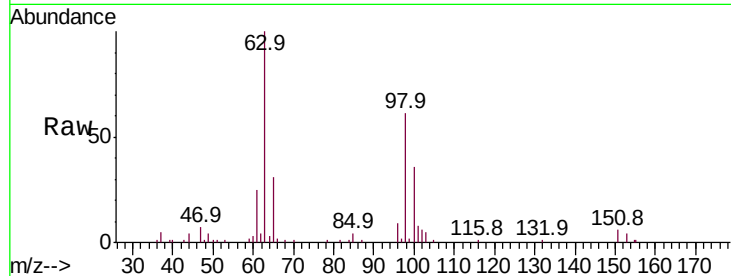
ClientSampleId :

MDL01

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.0	37.8	56.8
151	69.5	71.4	107.2#

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#12

1,1-Dichloroethene

Concen: 0.283 ug/L

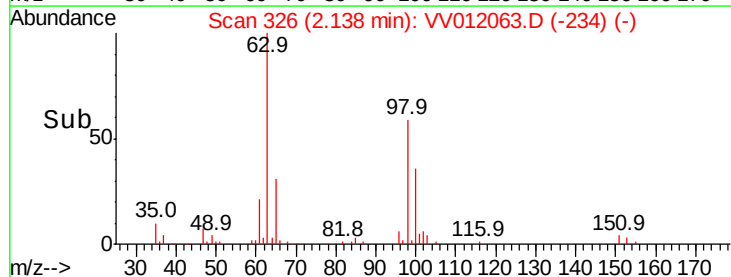
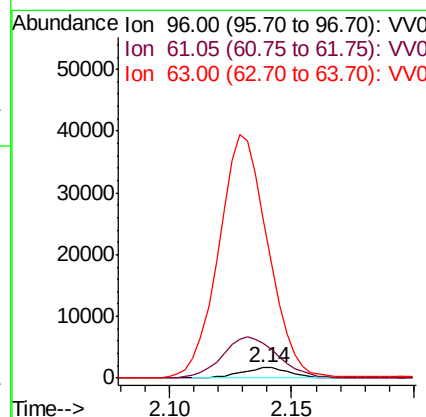
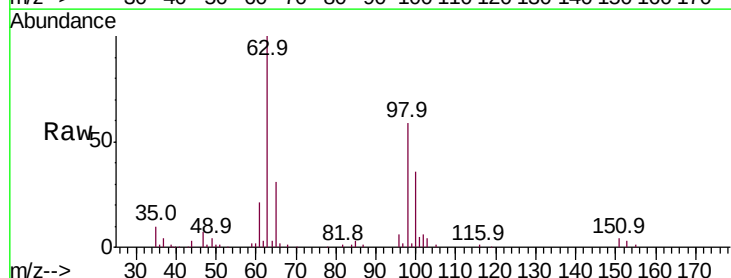
RT: 2.14 min Scan# 326

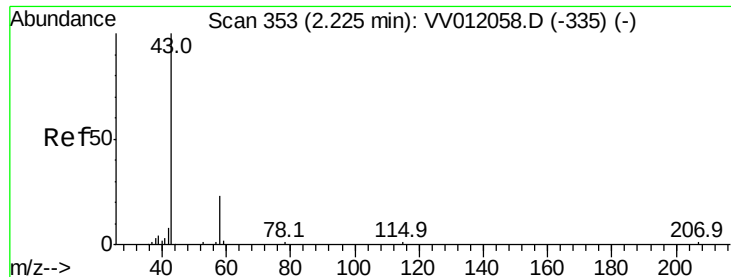
Delta R.T. -0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	344.5	127.8	237.4#
63	1605.9	92.7	172.3#





#13

Acetone

Concen: 2.815 ug/L m

RT: 2.23 min Scan# 355

Delta R.T. 0.01 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 43 Resp: 3545

Ion Ratio Lower Upper

43 100

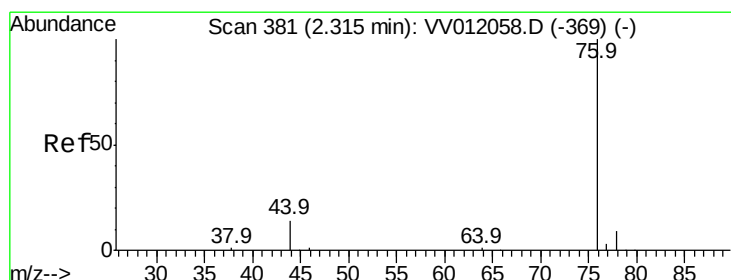
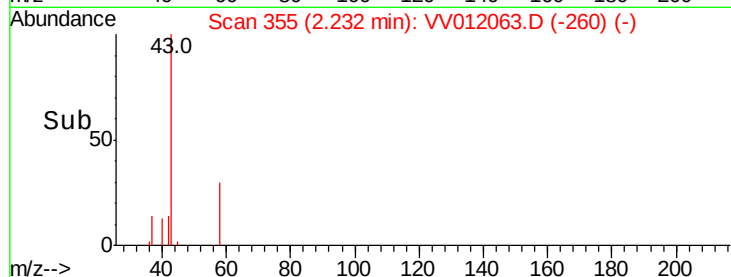
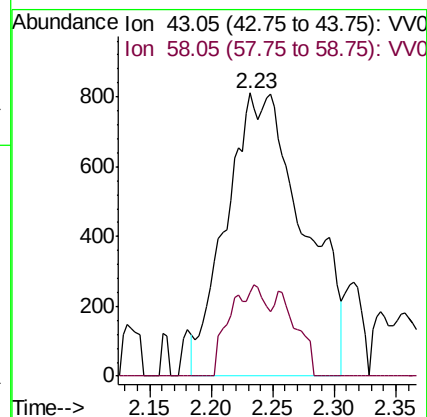
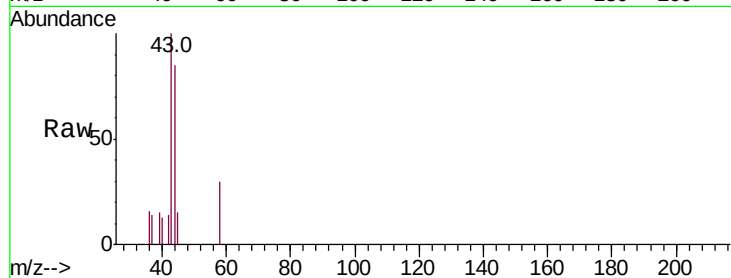
58 7.5 0.0 51.6

Manual Integrations

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7/30/2019 10:58:13 AM



#14

Carbon disulfide

Concen: 0.253 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012063.D

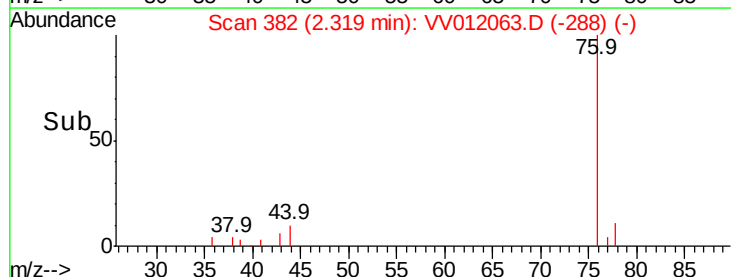
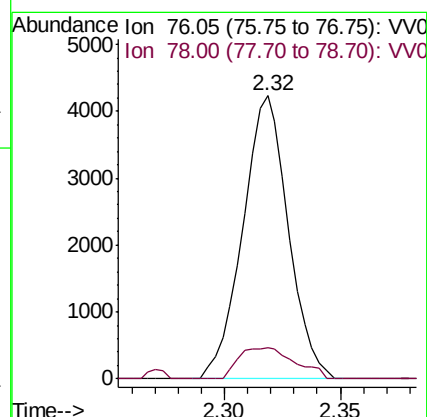
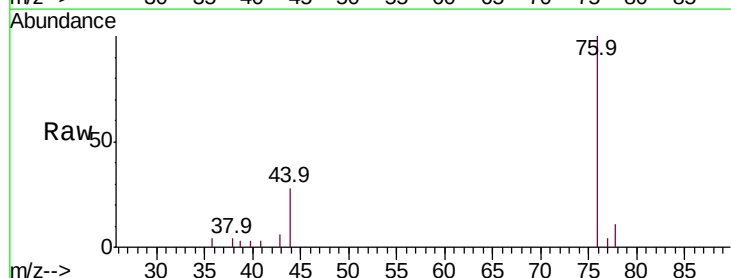
Acq: 29 Jul 2019 15:34

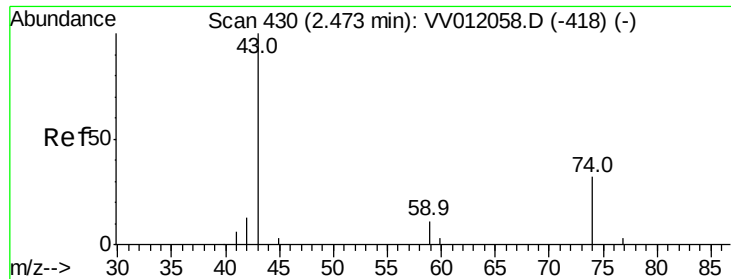
Tgt Ion: 76 Resp: 5768

Ion Ratio Lower Upper

76 100

78 11.2 7.2 10.8#





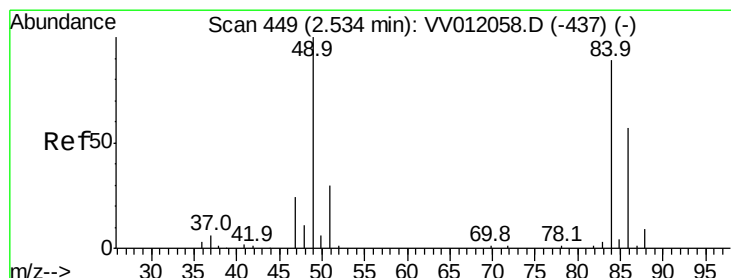
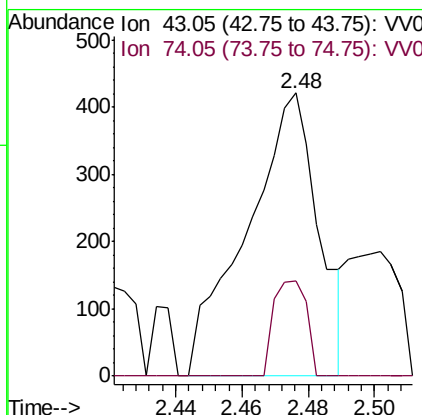
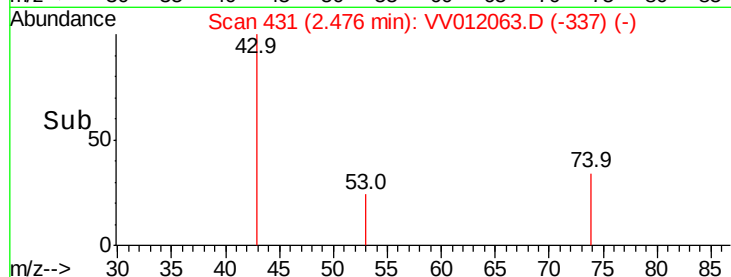
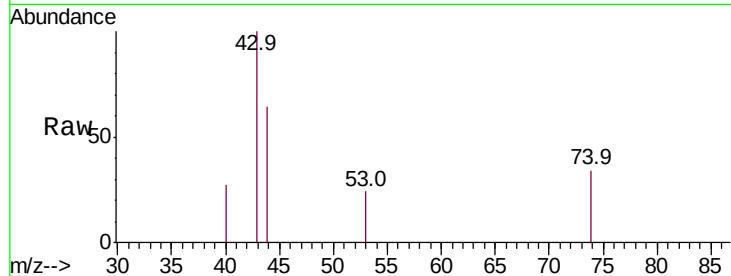
#15
Methyl Acetate
Concen: 0.244 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion: 43 Resp: 632
Ion Ratio Lower Upper
43 100
74 15.5 24.4 36.6#

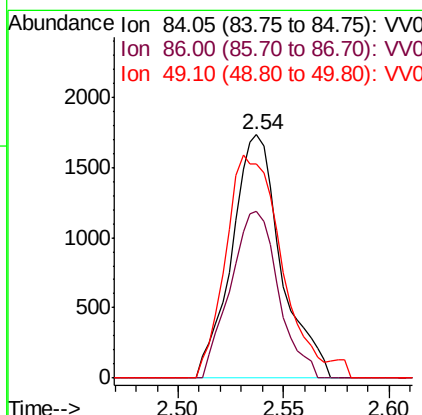
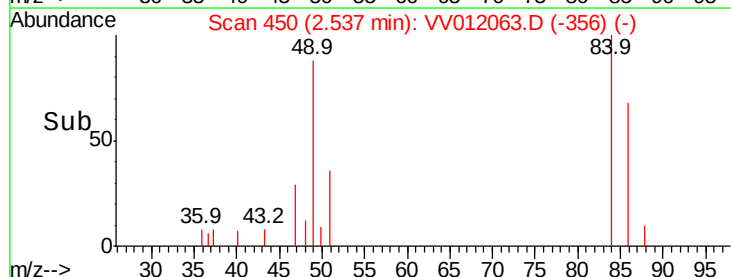
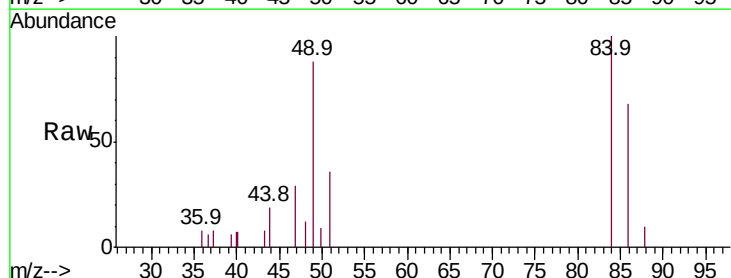
Manual Integrations
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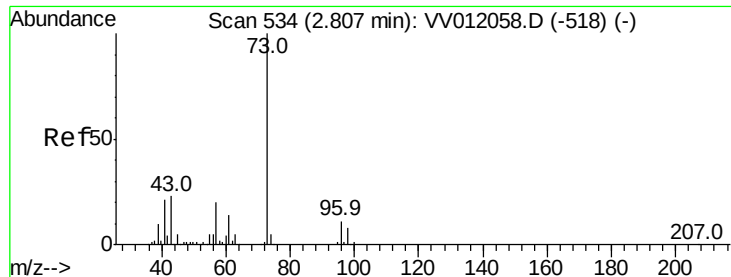
MMDadoda
7/30/2019 10:58:13 AM



#16
Methylene chloride
Concen: 0.336 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Tgt Ion: 84 Resp: 2815
Ion Ratio Lower Upper
84 100
86 68.5 44.9 83.3
49 88.1 78.6 146.0





#17

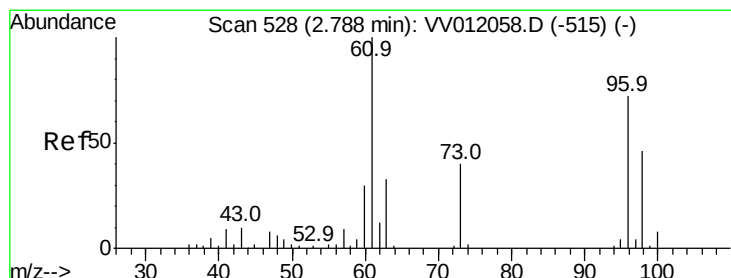
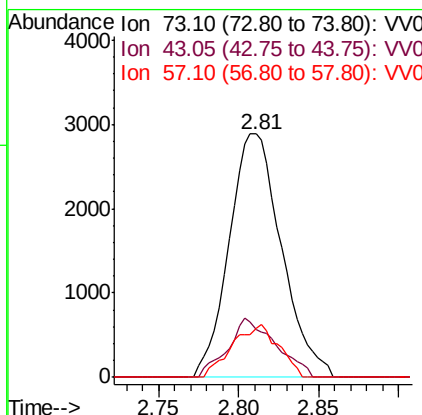
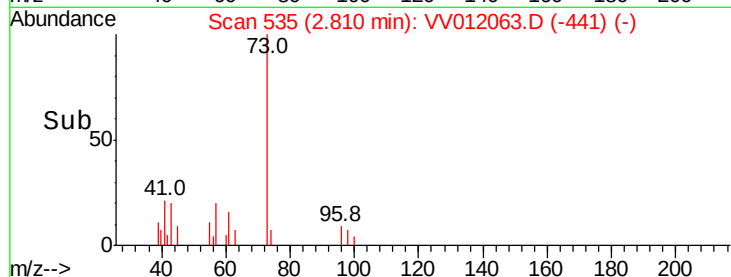
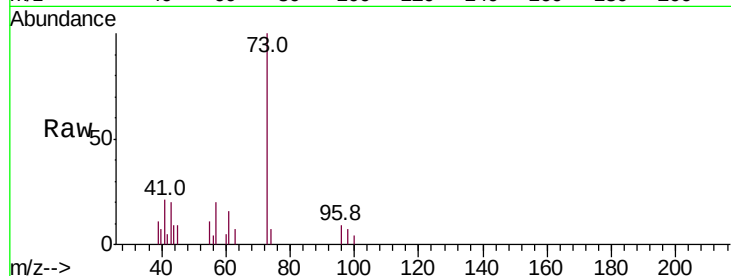
Methyl tert-butyl Ether
 Concen: 0.251 ug/L
 RT: 2.81 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion:	73	Resp:	6464
Ion	Ratio	Lower	Upper
73	100		
43	22.2	17.6	26.4
57	19.3	17.0	25.6

Manual Integrations
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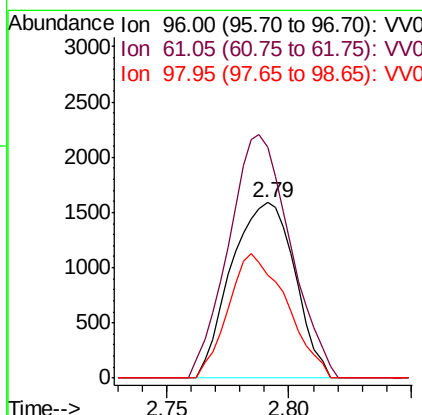
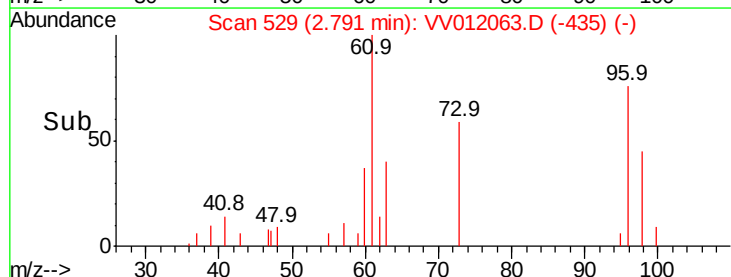
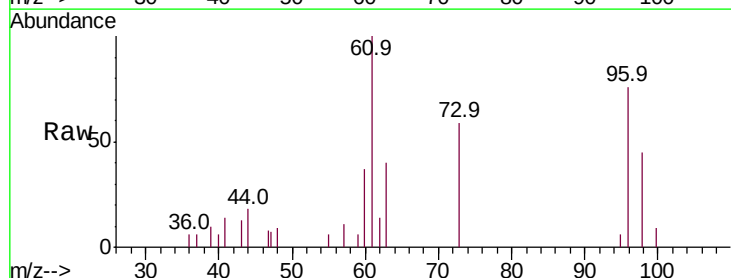
MMDadoda
 7/30/2019 10:58:13 AM

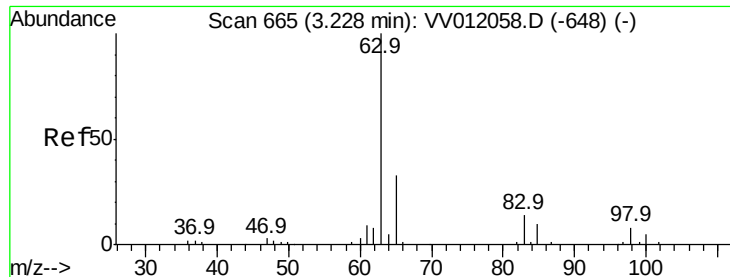


#18

trans-1,2-Dichloroethene
 Concen: 0.244 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Tgt Ion:	96	Resp:	2877
Ion	Ratio	Lower	Upper
96	100		
61	131.2	97.2	180.6
98	58.8	45.0	83.6





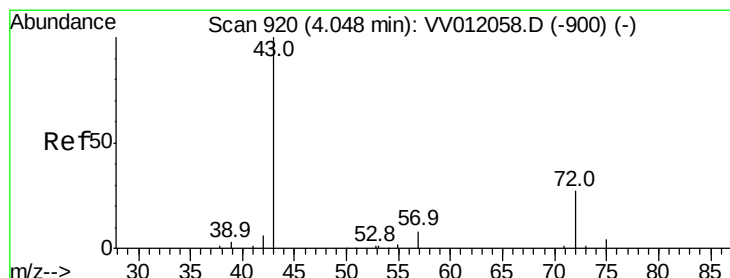
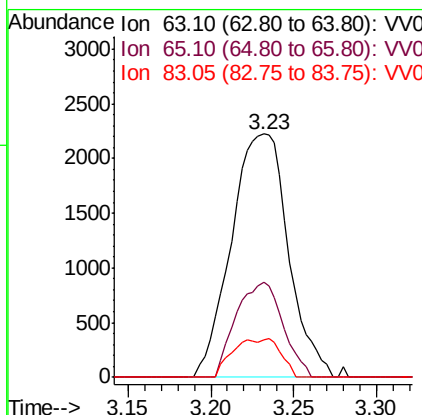
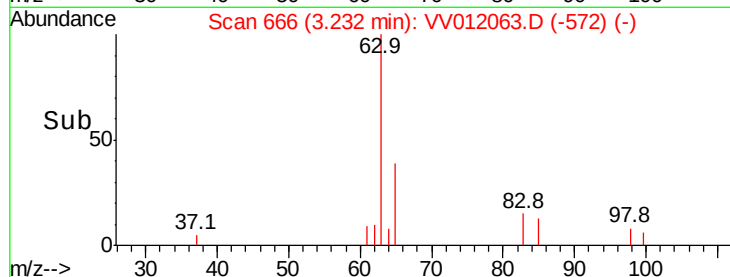
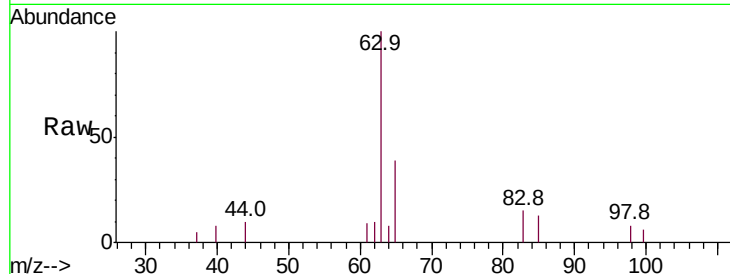
#19
 1,1-Dichloroethane
 Concen: 0.252 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
63	100		
65	39.0	23.0	42.6
83	15.3	9.7	17.9

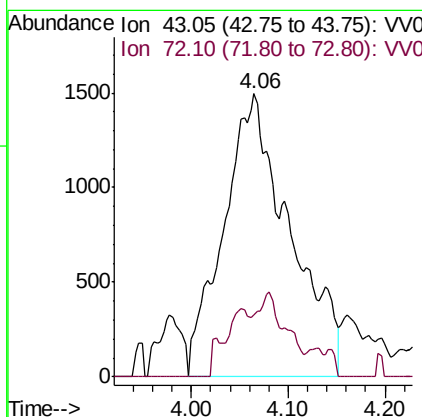
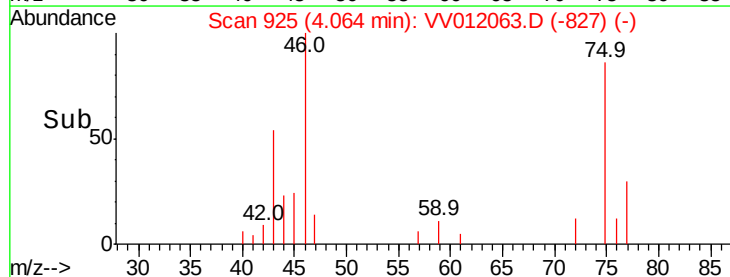
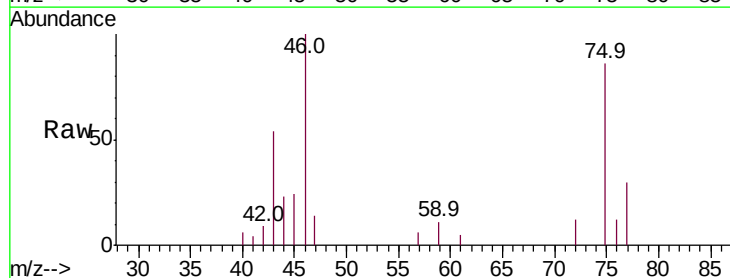
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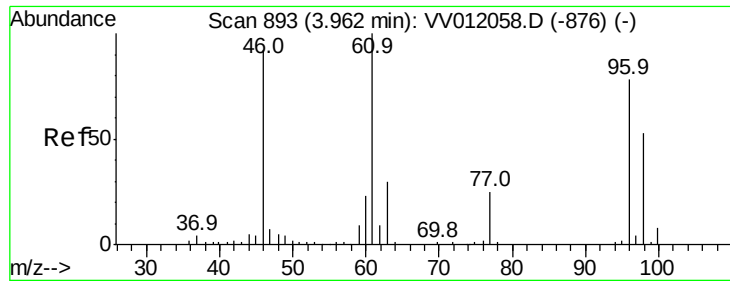
MMDadoda
 7/30/2019 10:58:13 AM



#21
 2-Butanone
 Concen: 2.862 ug/L m
 RT: 4.06 min Scan# 925
 Delta R.T. 0.02 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Tgt Ion	Ratio	Lower	Upper
43	100		
72	2.1	13.4	40.2#





#22

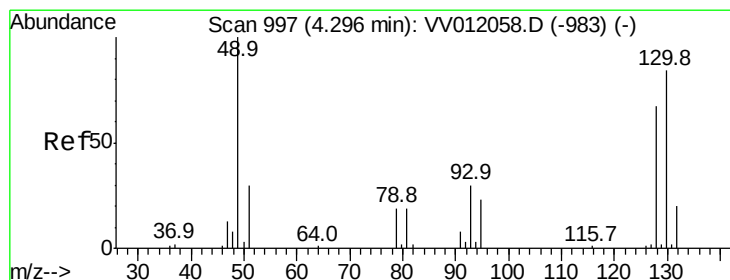
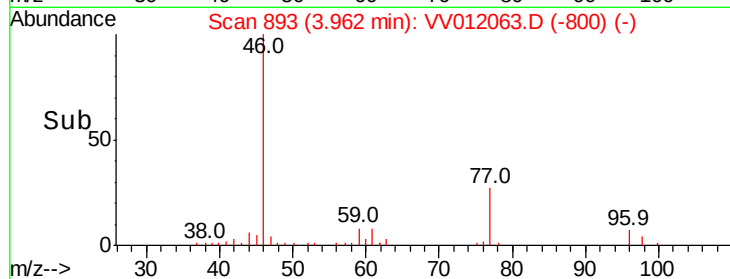
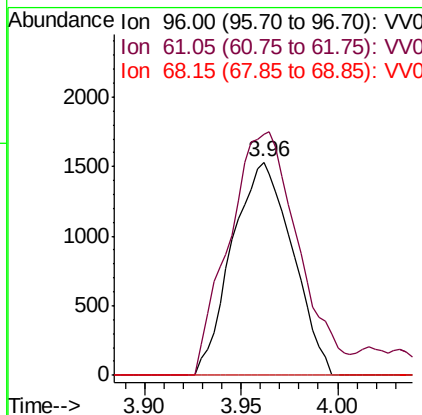
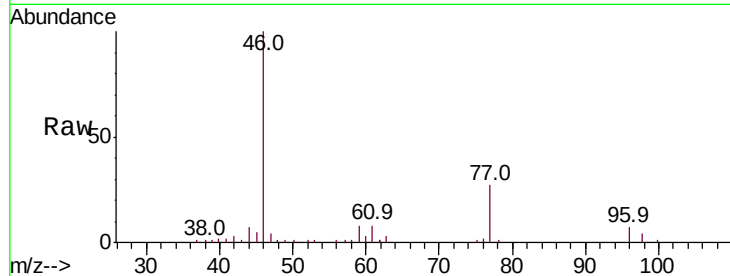
cis-1,2-Dichloroethene
Concen: 0.265 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
96	100		
61	112.7	90.0	167.2
68	0.0	0.0	0.0

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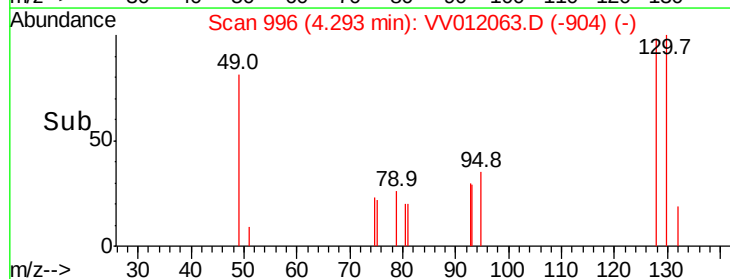
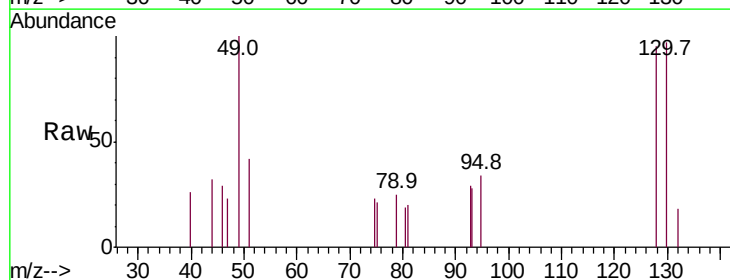
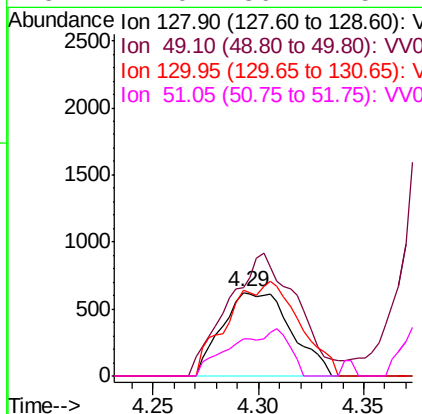
MMDadoda
7/30/2019 10:58:13 AM

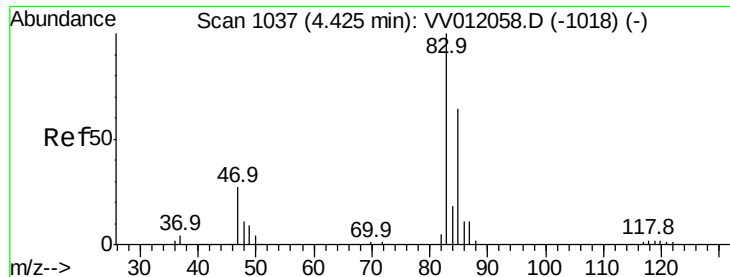


#23

Bromochloromethane
Concen: 0.257 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Tgt Ion	Ratio	Lower	Upper
128	100		
49	105.3	105.1	195.1
130	102.2	88.9	165.1
51	44.0	36.2	54.2





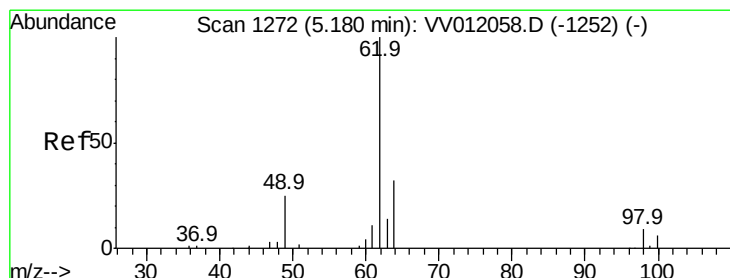
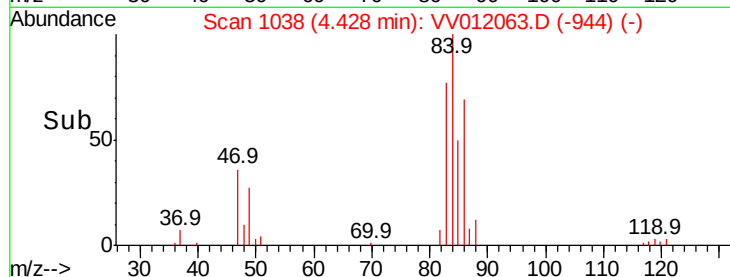
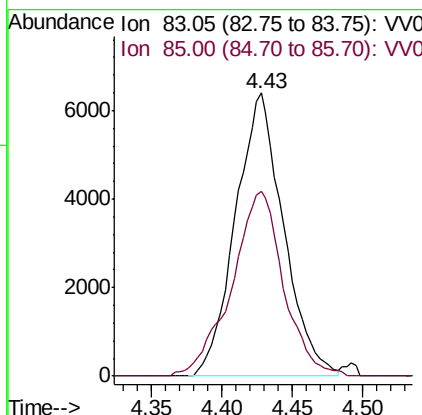
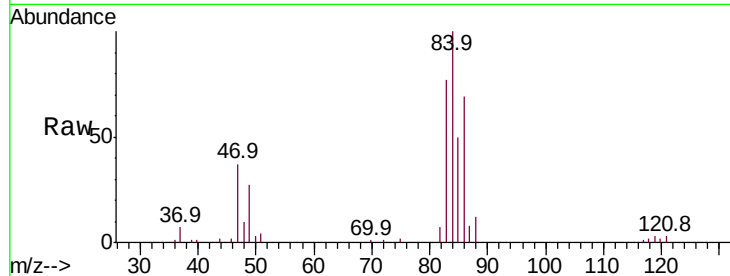
#25
Chloroform
Concen: 0.576 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion: 83 Resp: 15213
Ion Ratio Lower Upper
83 100
85 65.3 45.2 84.0

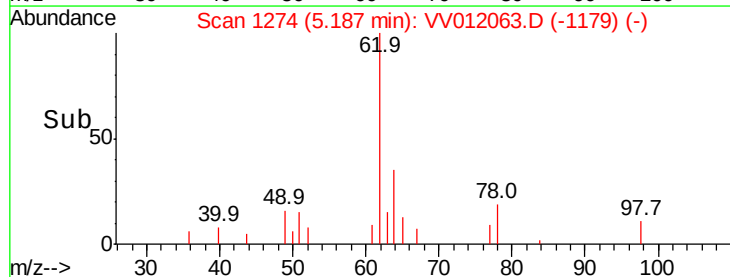
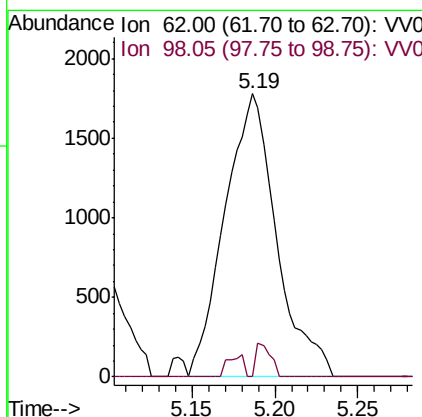
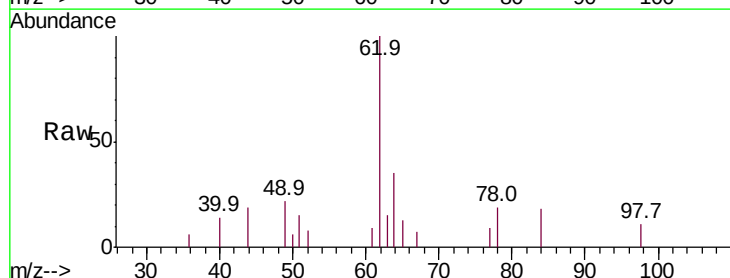
Manual Integrations
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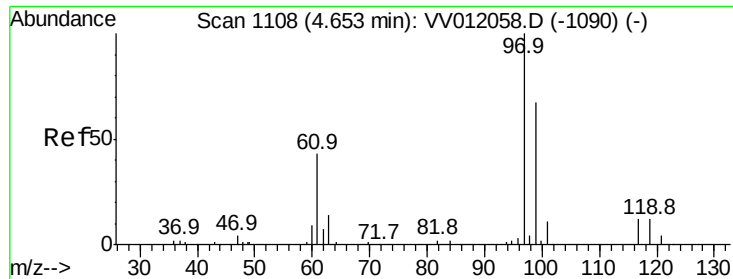
MMDadoda
7/30/2019 10:58:13 AM



#27
1,2-Dichloroethane
Concen: 0.265 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Tgt Ion: 62 Resp: 3862
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.6#





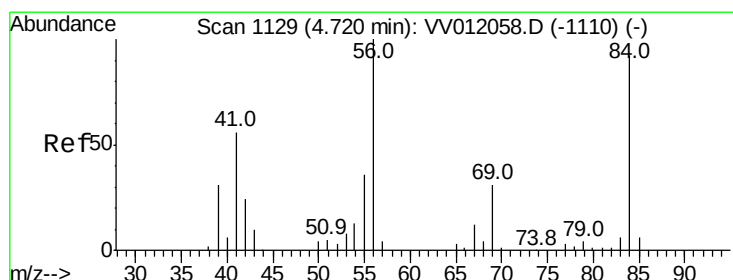
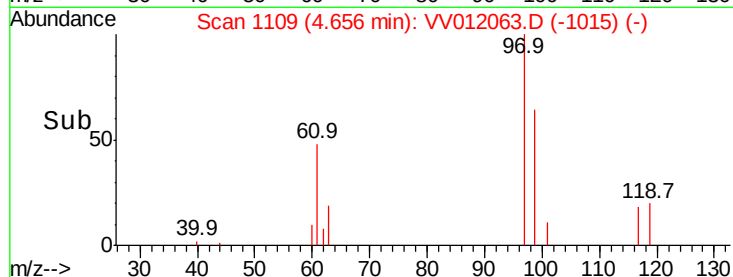
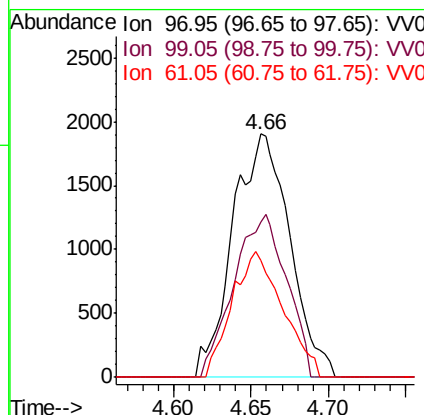
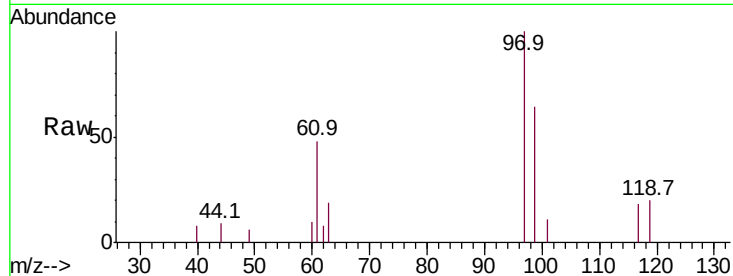
#29
1,1,1-Trichloroethane
Concen: 0.232 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.8	77.8
61	46.3	34.5	51.7

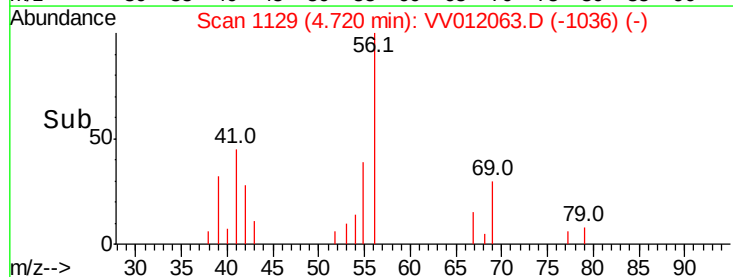
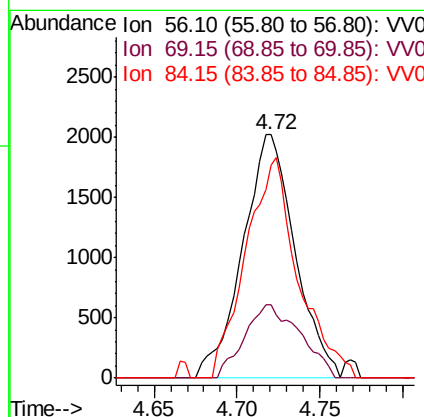
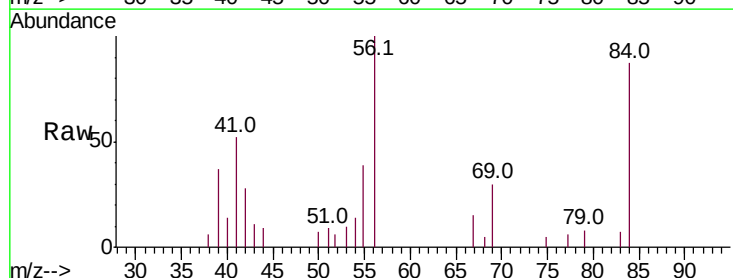
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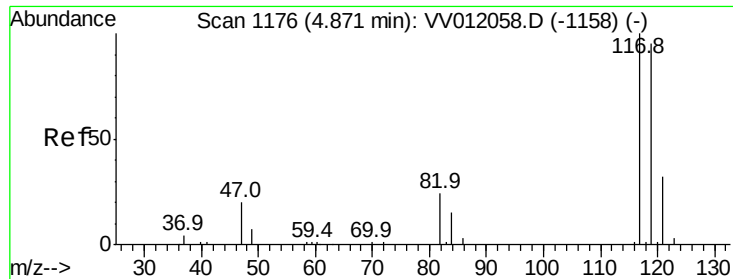
MMDadoda
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#30
Cyclohexane
Concen: 0.248 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.0	24.8	37.2
84	90.5	75.4	113.2





#31

Carbon tetrachloride

Concen: 0.240 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion:117 Resp: 4517

Ion Ratio Lower Upper

117 100

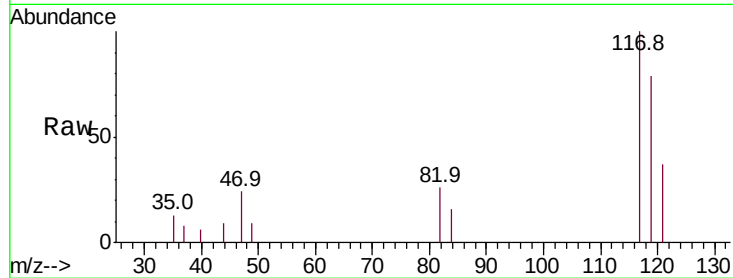
119 53.6 77.7 116.5#

Manual Integrations

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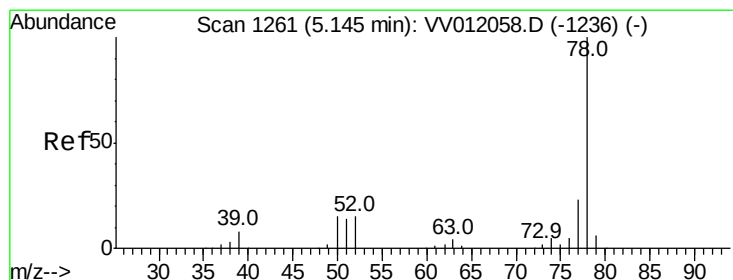
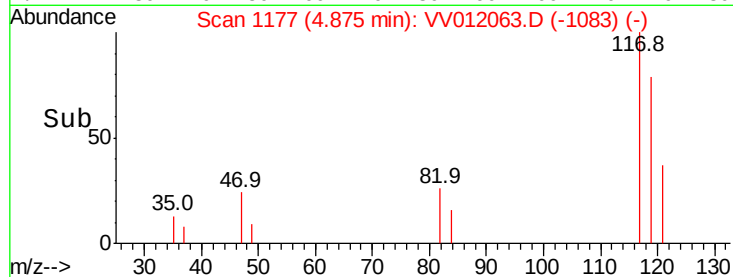
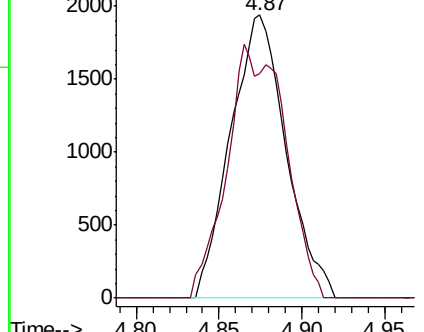
MMDadoda

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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.267 ug/L

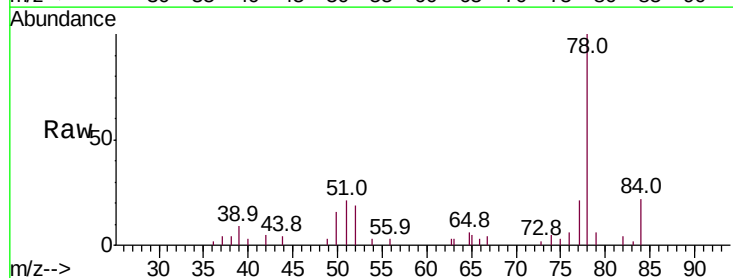
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

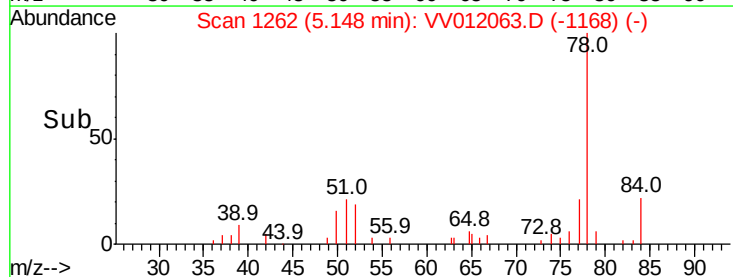
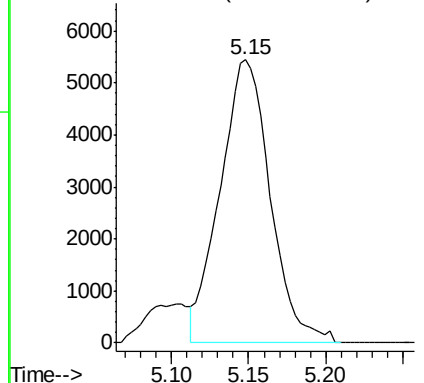
Lab File: VV012063.D

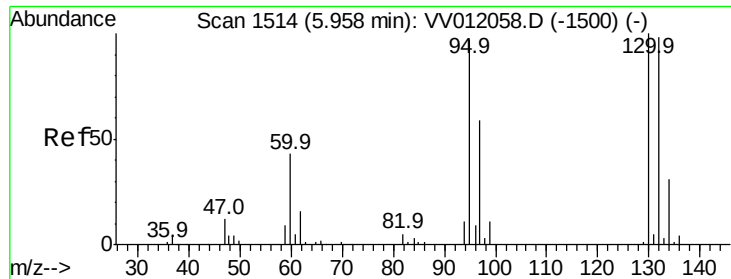
Acq: 29 Jul 2019 15:34

Tgt Ion: 78 Resp: 12264



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.287 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 95 Resp: 3759

Ion Ratio Lower Upper

95 100

97 64.1 42.8 79.6

132 87.9 70.8 131.6

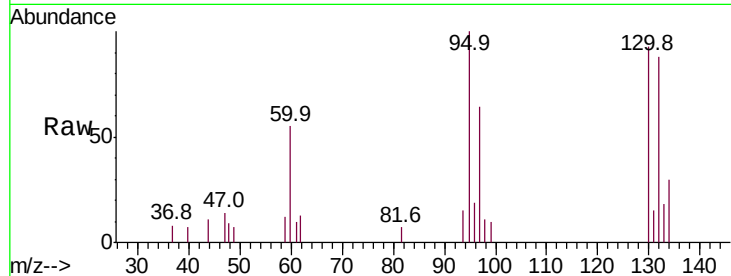
130 92.6 72.3 134.3

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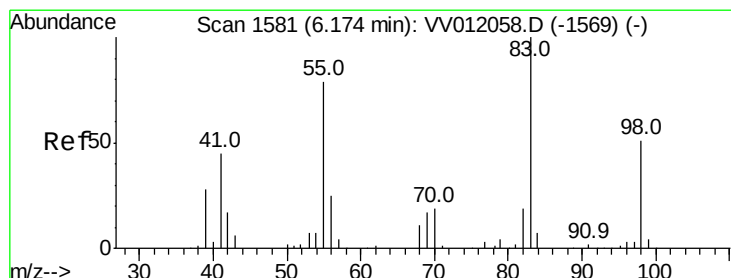
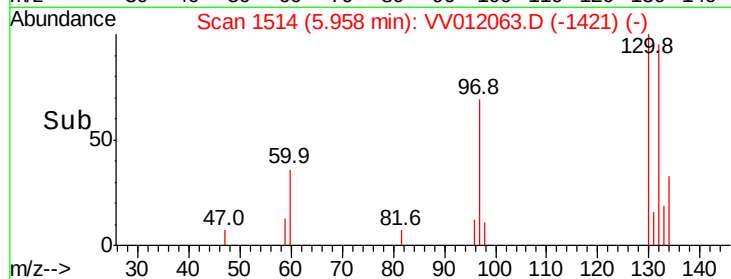
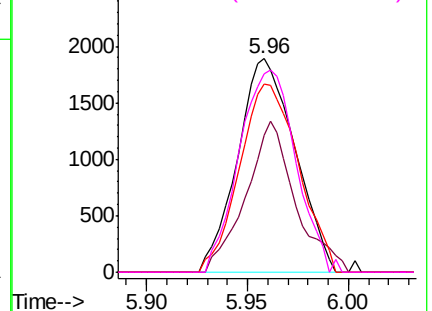


Abundance Ion 95.00 (94.70 to 95.70): VV012058.D (-1500) (-)

Ion 96.95 (96.65 to 97.65): VV012058.D (-1500) (-)

Ion 131.95 (131.65 to 132.65): VV012058.D (-1500) (-)

Ion 129.95 (129.65 to 130.65): VV012058.D (-1500) (-)



#35

Methylcyclohexane

Concen: 0.251 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

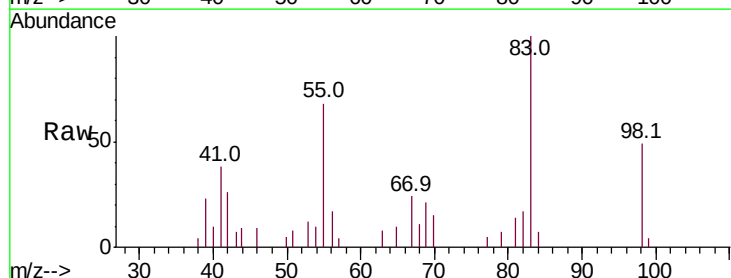
Tgt Ion: 83 Resp: 5166

Ion Ratio Lower Upper

83 100

55 78.2 60.1 90.1

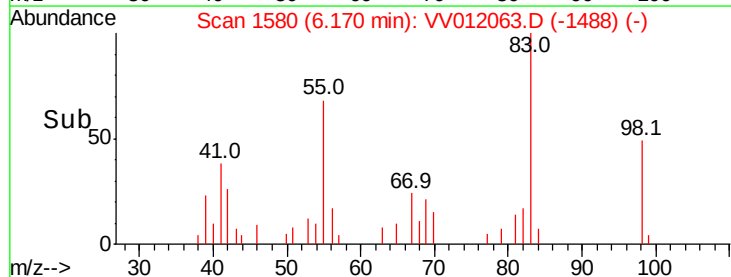
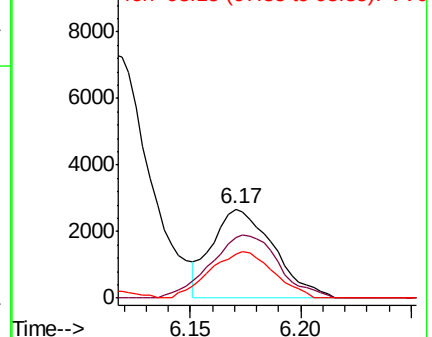
98 54.1 40.2 60.4

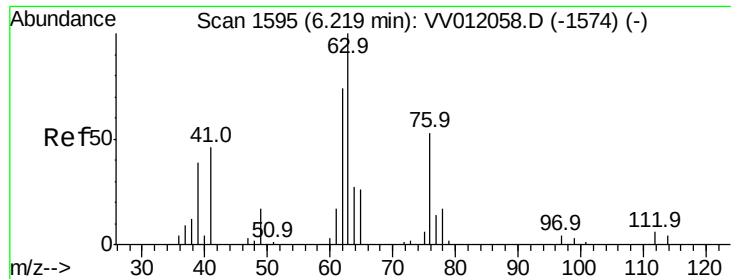


Abundance Ion 83.15 (82.85 to 83.85): VV012058.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV012058.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV012058.D (-1569) (-)





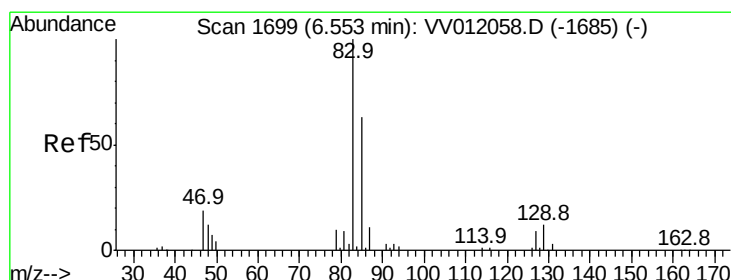
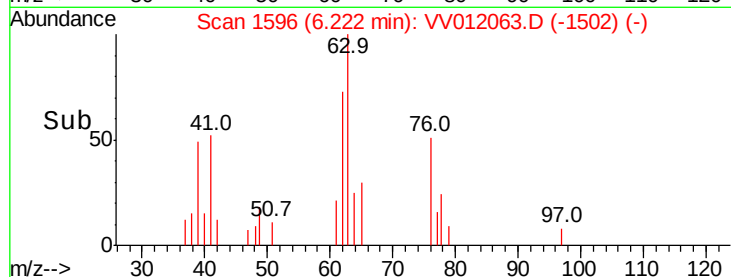
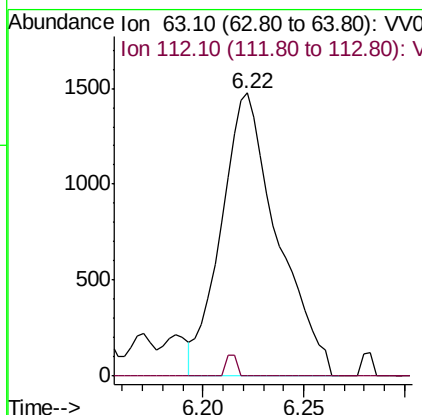
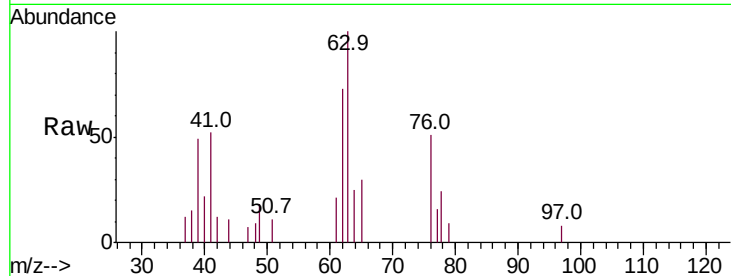
#37
 1,2-Dichloropropane
 Concen: 0.270 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion: 63 Resp: 2869
 Ion Ratio Lower Upper
 63 100
 112 1.5 3.8 5.6#

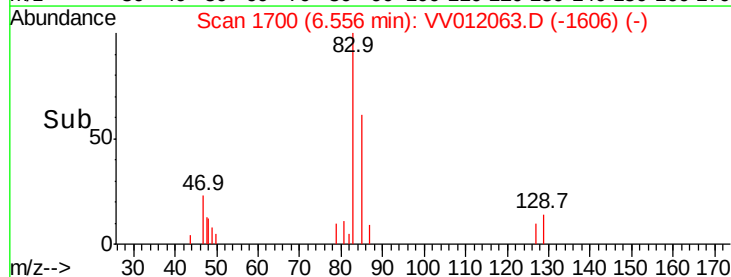
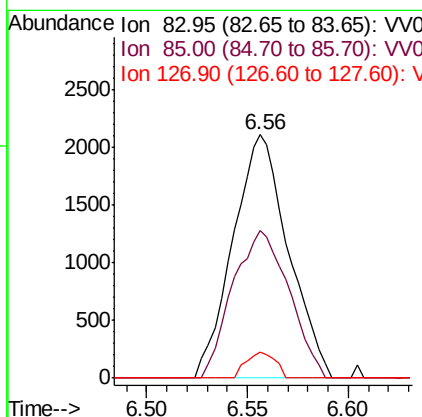
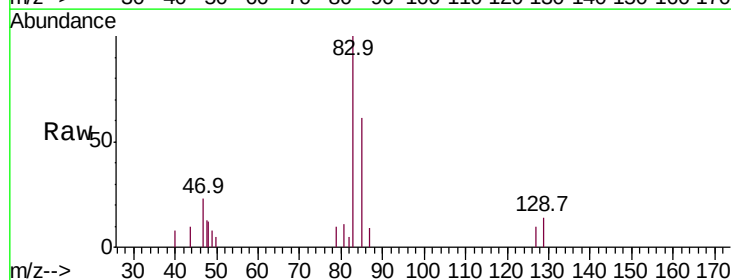
Manual Integrations
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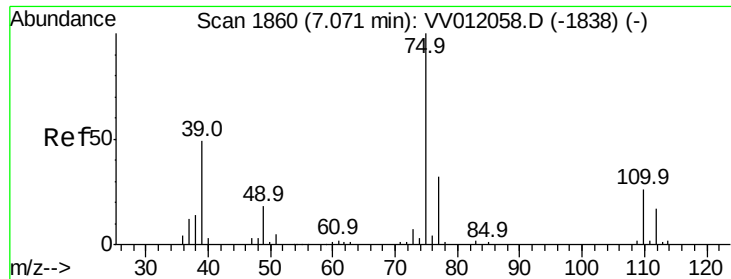
MMDadoda
 7/30/2019 10:58:13 AM



#38
 Bromodichloromethane
 Concen: 0.268 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Tgt Ion: 83 Resp: 4028
 Ion Ratio Lower Upper
 83 100
 85 60.7 43.9 81.5
 127 10.4 6.9 10.3#





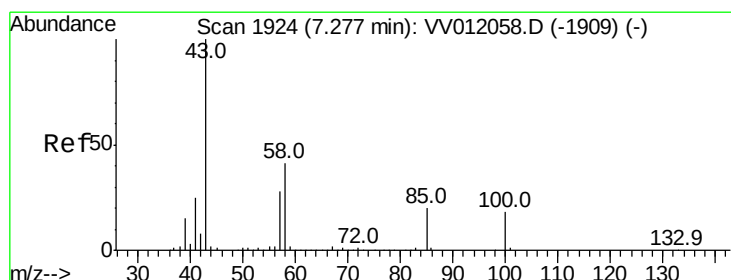
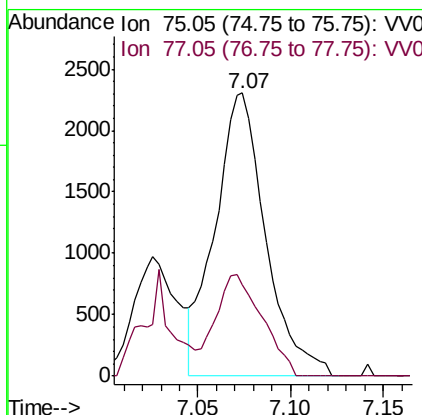
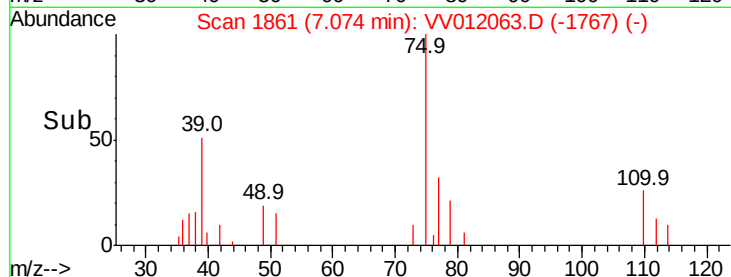
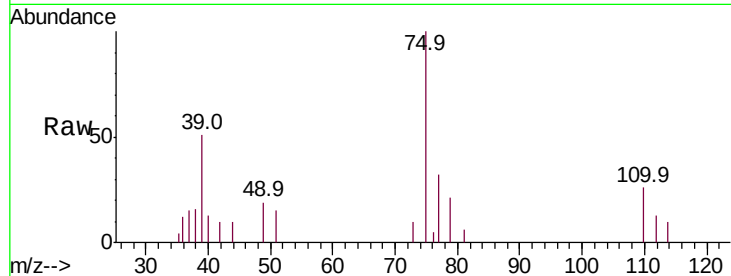
#39
 cis-1,3-Dichloropropene
 Concen: 0.262 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion: 75 Resp: 4376
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.4 41.6

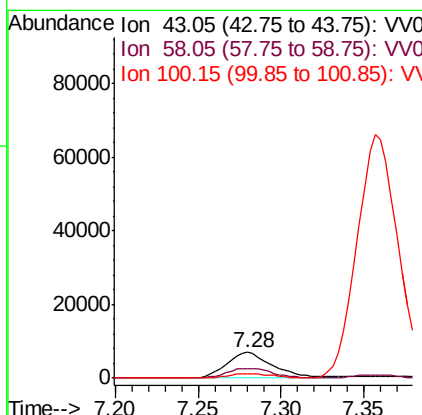
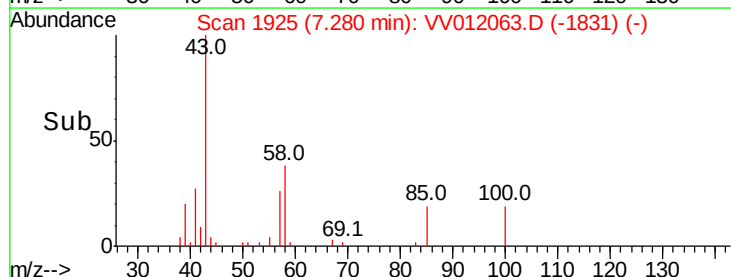
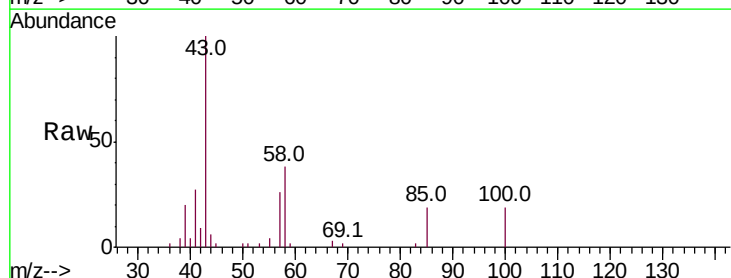
Manual Integrations
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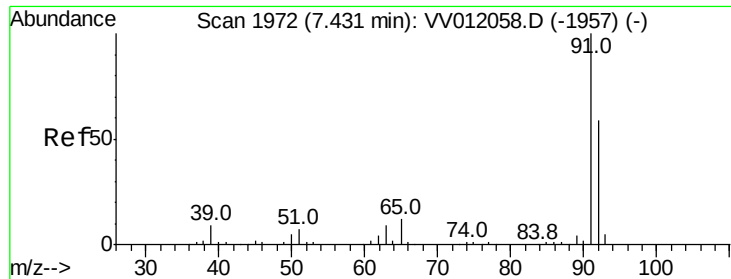
MMDadoda
 7/30/2019 10:58:13 AM



#40
 4-Methyl-2-pentanone
 Concen: 2.296 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Tgt Ion: 43 Resp: 13784
 Ion Ratio Lower Upper
 43 100
 58 38.1 31.9 47.9
 100 0.0 14.0 21.0#





#42

Toluene

Concen: 0.262 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 91 Resp: 13423

Ion Ratio Lower Upper

91 100

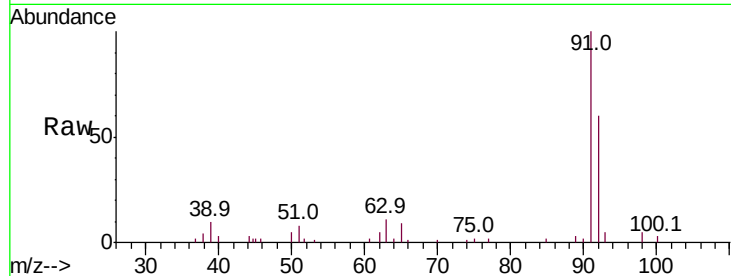
92 59.5 41.3 76.7

Manual Integrations

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MMDadoda

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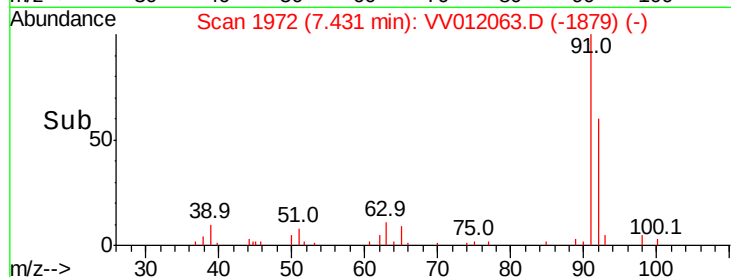


Abundance Ion 91.15 (90.85 to 91.85): VV012058.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV012058.D (-1957) (-)

7.43

Time-->

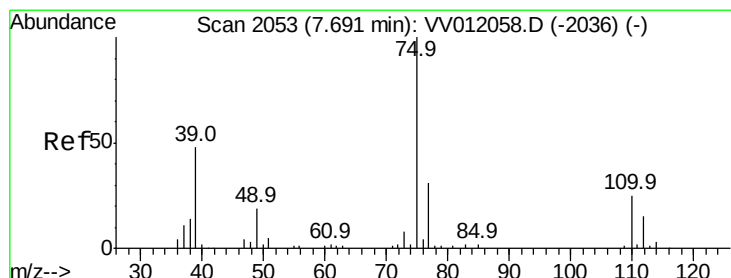


Abundance Ion 91.15 (90.85 to 91.85): VV012063.D (-1879) (-)

Ion 92.15 (91.85 to 92.85): VV012063.D (-1879) (-)

7.43

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.217 ug/L m

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012063.D

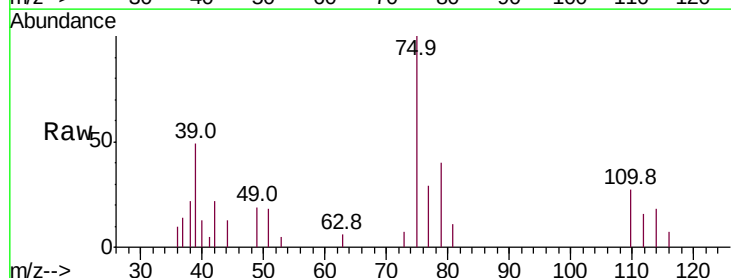
Acq: 29 Jul 2019 15:34

Tgt Ion: 75 Resp: 2922

Ion Ratio Lower Upper

75 100

77 28.5 21.6 40.0

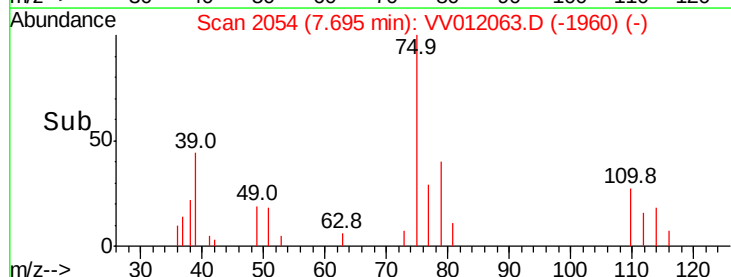


Abundance Ion 75.05 (74.75 to 75.75): VV012058.D (-2036) (-)

Ion 77.05 (76.75 to 77.75): VV012058.D (-2036) (-)

7.69

Time-->

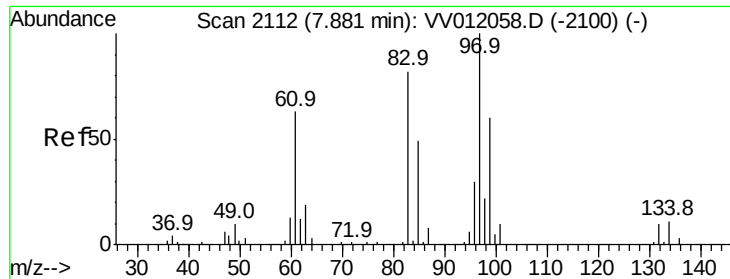


Abundance Ion 75.05 (74.75 to 75.75): VV012063.D (-1960) (-)

Ion 77.05 (76.75 to 77.75): VV012063.D (-1960) (-)

7.69

Time-->



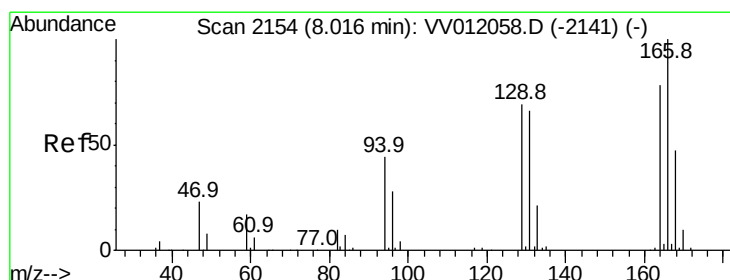
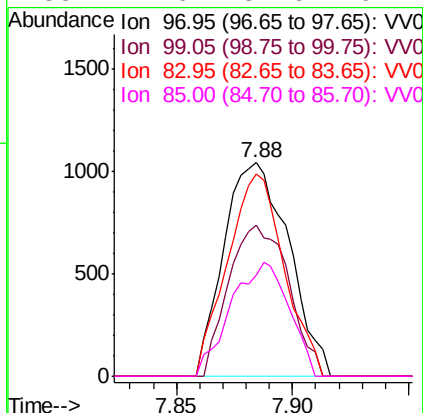
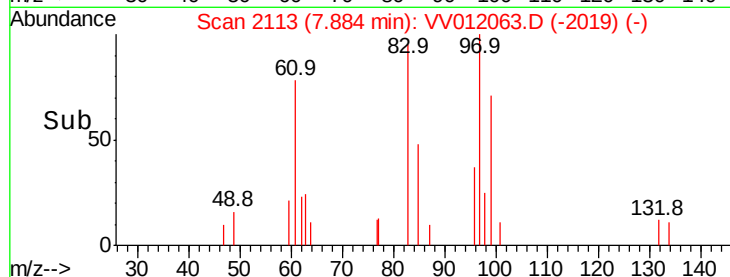
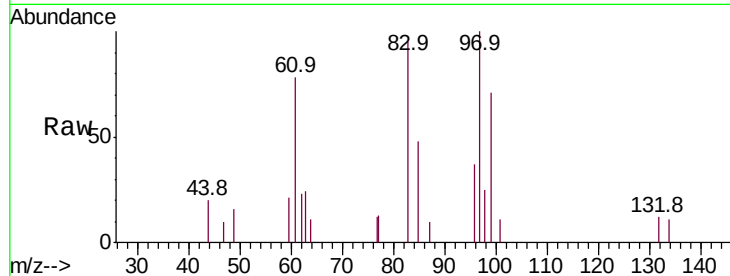
#45
1,1,2-Trichloroethane
Concen: 0.249 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	97	Resp:	2017
Ion	Ratio	Lower	Upper
97	100		
99	70.6	42.0	78.0
83	94.5	57.6	107.0
85	47.6	34.6	64.2

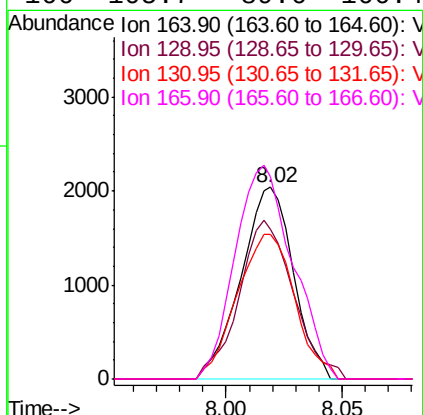
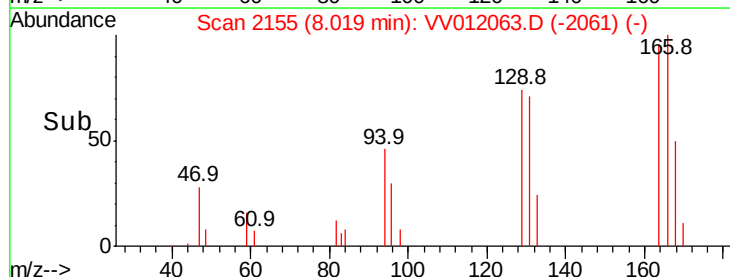
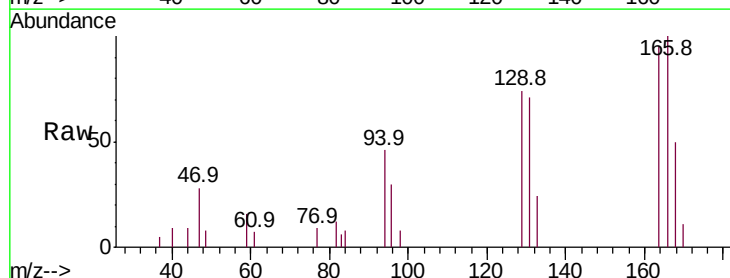
Manual Integrations
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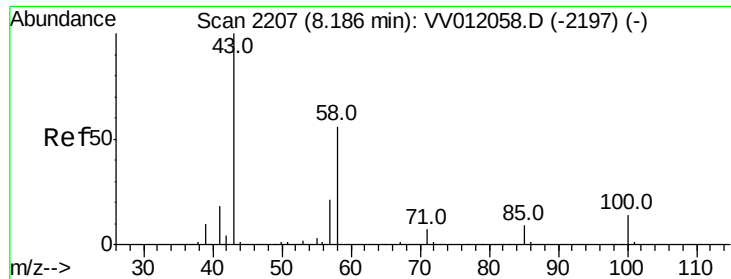
MMDadoda
7/30/2019 10:58:13 AM



#47
Tetrachloroethene
Concen: 0.279 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Tgt Ion	164	Resp:	3203
Ion	Ratio	Lower	Upper
164	100		
129	77.9	61.9	114.9
131	75.4	59.4	110.4
166	105.7	89.6	166.4





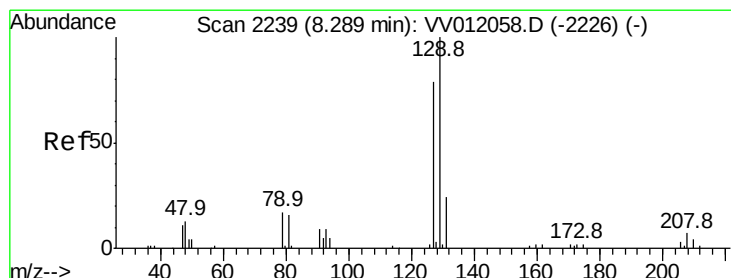
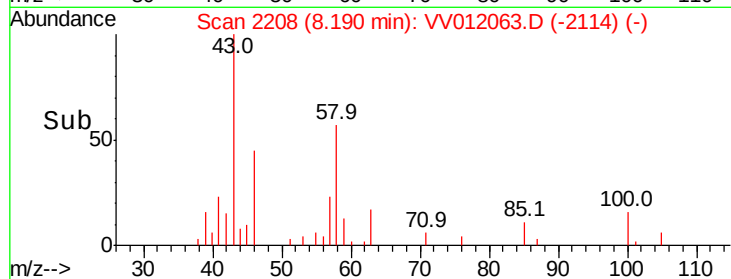
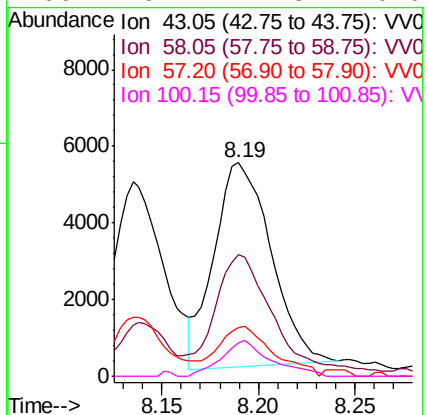
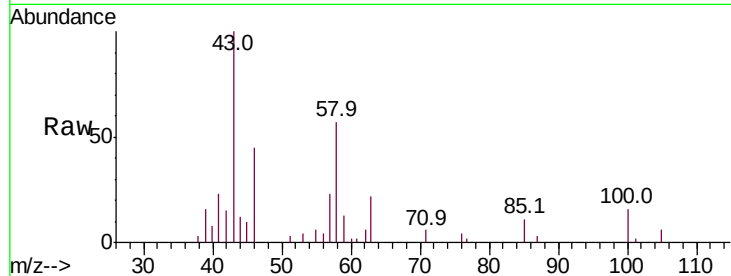
#48
2-Hexanone
Concen: 2.576 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	63.6	44.1	66.1	
57	23.8	16.1	24.1	
100	15.2	11.3	16.9	

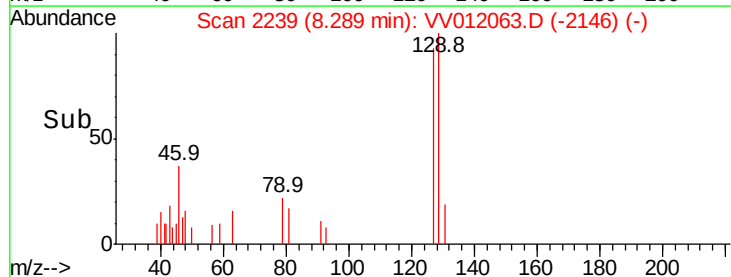
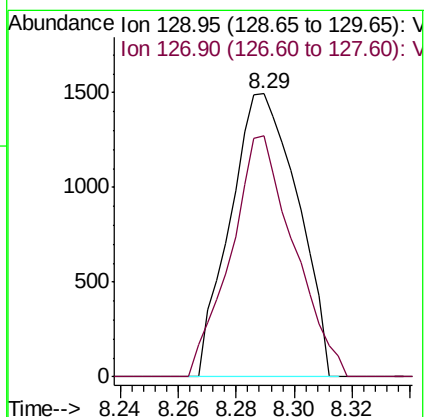
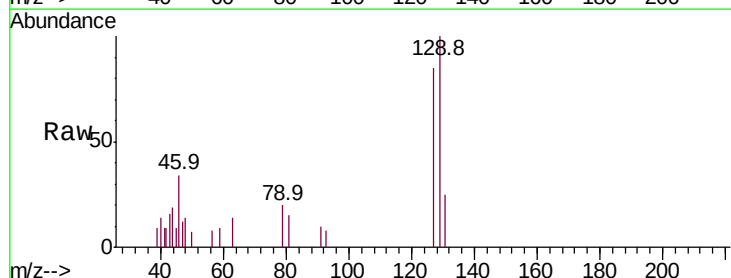
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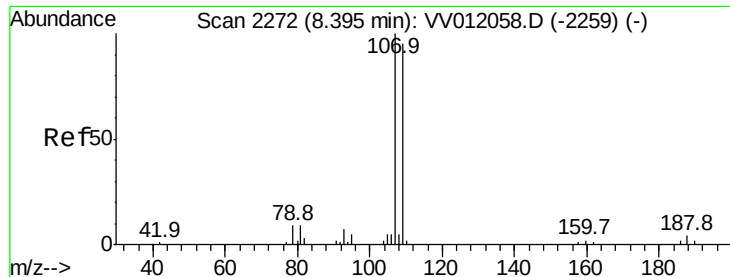
MMDadoda
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#49
Dibromochloromethane
Concen: 0.242 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	85.0	55.4	102.8	





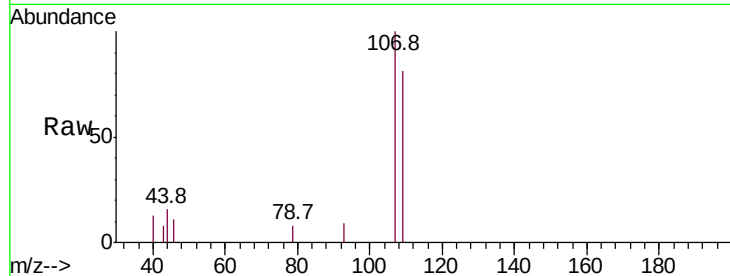
#50
 1,2-Dibromoethane
 Concen: 0.267 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

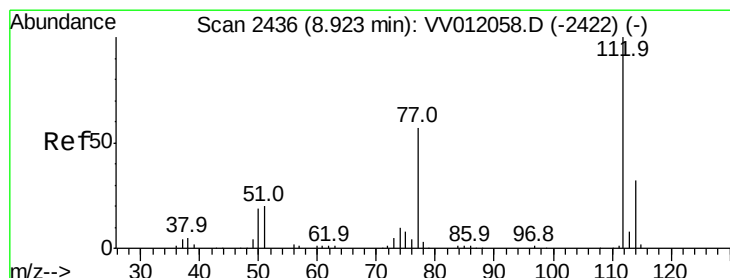
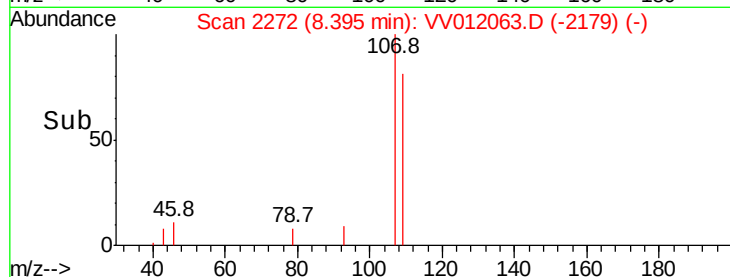
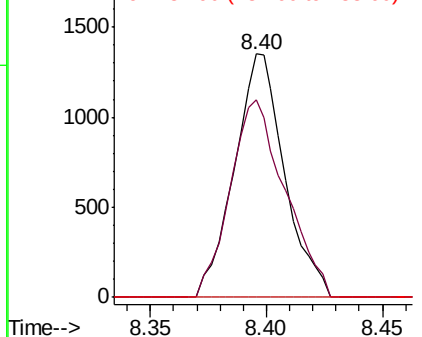
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
109	81.4	66.3	123.1	
188	0.0	3.4	5.0#	

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 7/30/2019 10:58:13 AM

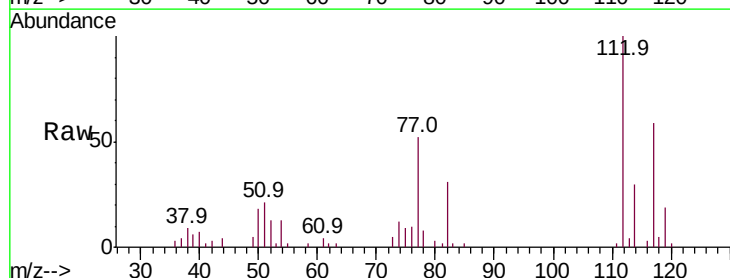


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

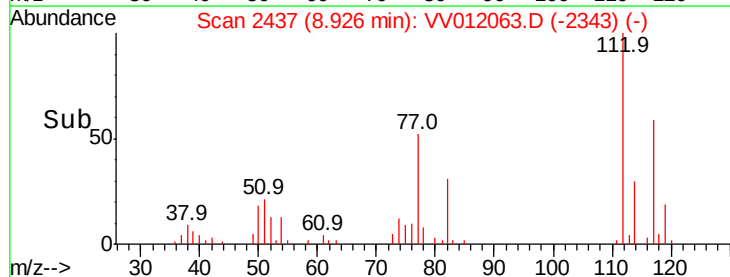
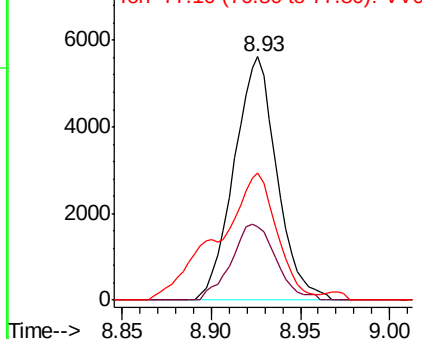


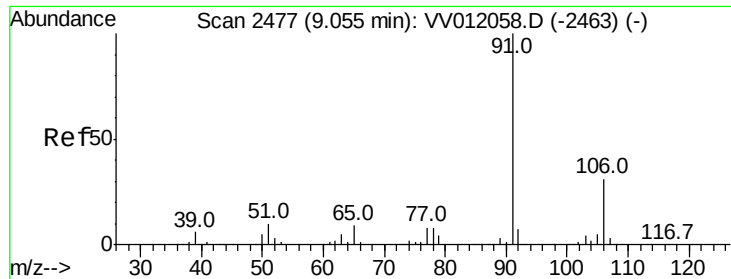
#51
 Chlorobenzene
 Concen: 0.275 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	30.2	22.1	41.1	
77	52.0	45.9	68.9	



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.237 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 91 Resp: 13828

Ion Ratio Lower Upper

91 100

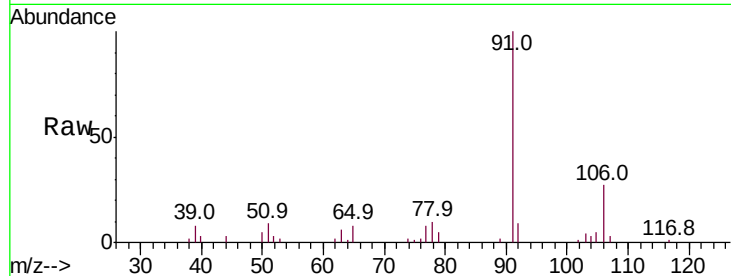
106 26.6 21.6 40.2

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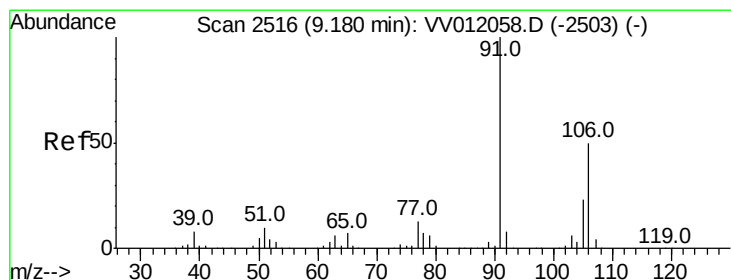
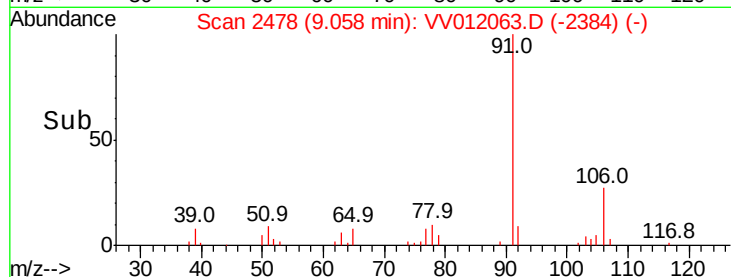
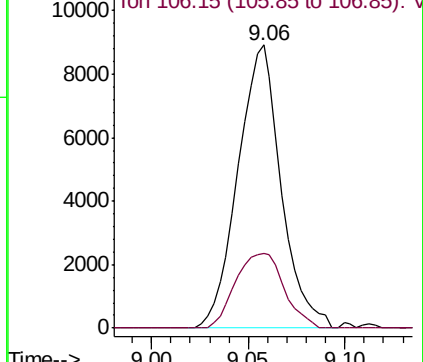
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Abundance Ion 91.15 (90.85 to 91.85): VV012058.D (-2463) (-)



#53

m,p-xylene

Concen: 0.251 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012063.D

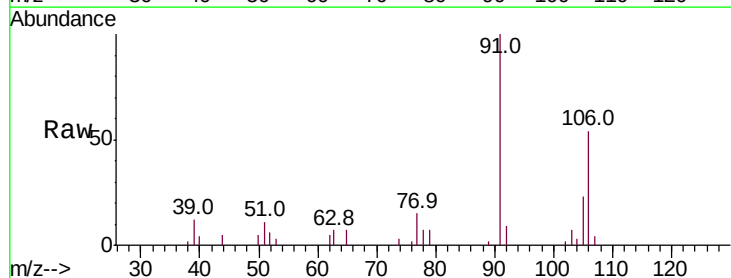
Acq: 29 Jul 2019 15:34

Tgt Ion: 106 Resp: 5568

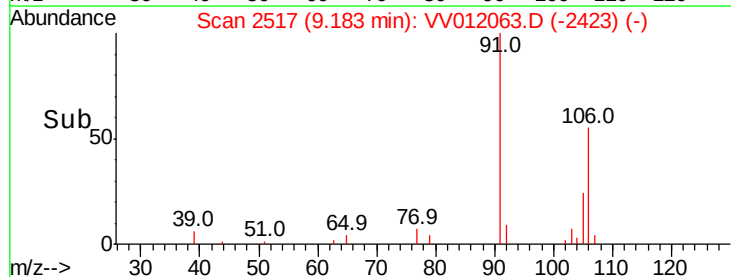
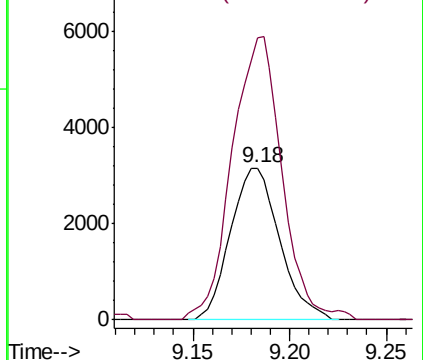
Ion Ratio Lower Upper

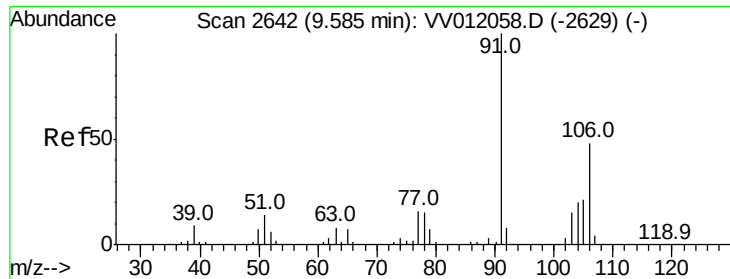
106 100

91 185.7 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): VV012058.D (-2503) (-)





#54

o-xylene

Concen: 0.233 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion:106 Resp: 4908

Ion Ratio Lower Upper

106 100

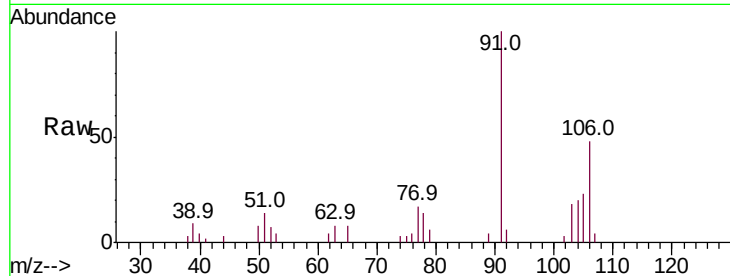
91 192.3 146.8 272.6

Manual Integrations

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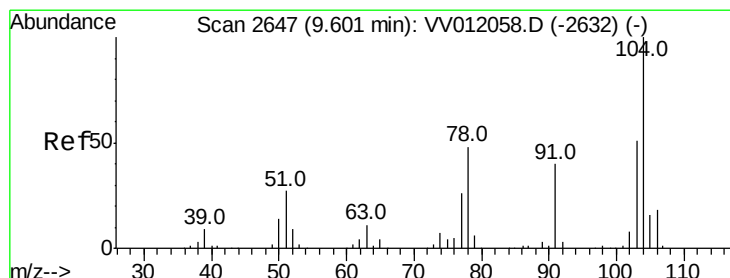
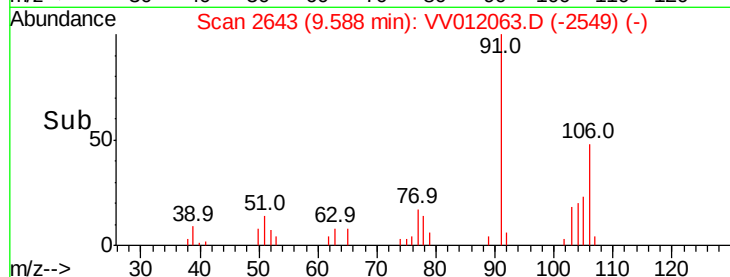
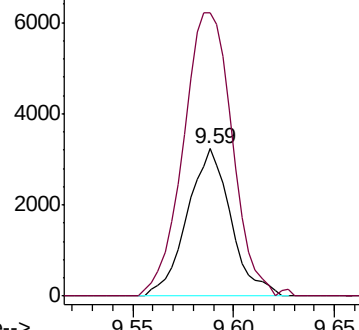
MMDadoda

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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.229 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012063.D

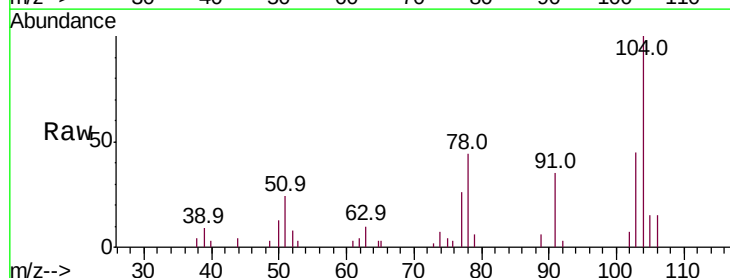
Acq: 29 Jul 2019 15:34

Tgt Ion:104 Resp: 8097

Ion Ratio Lower Upper

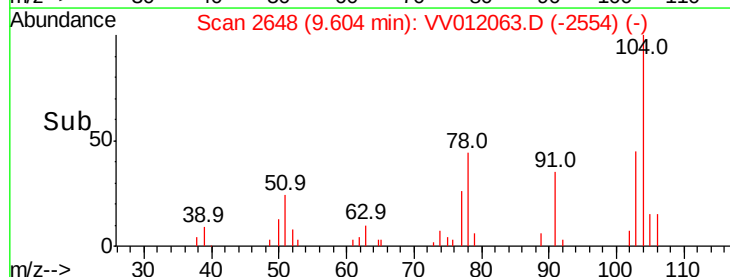
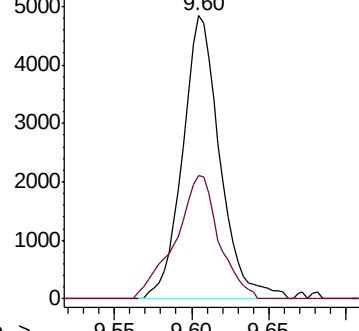
104 100

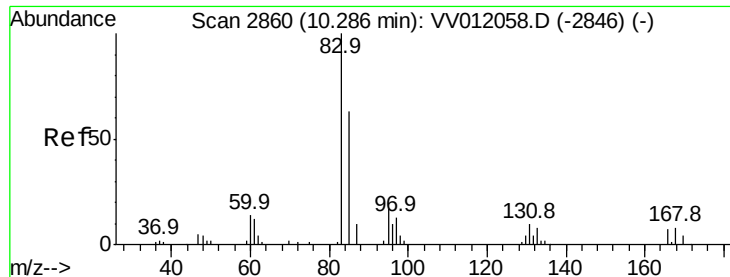
78 43.8 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.281 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

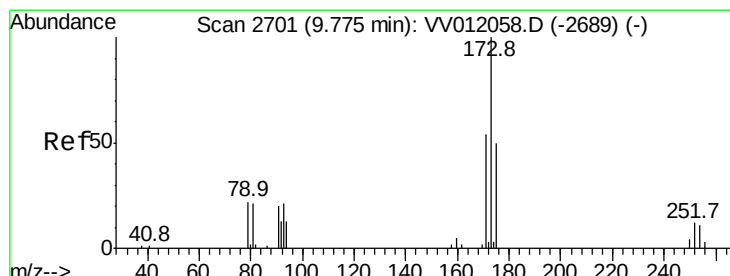
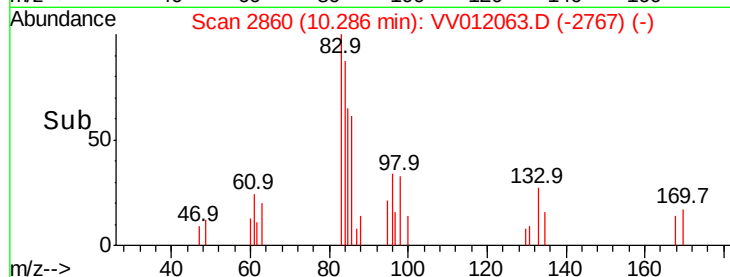
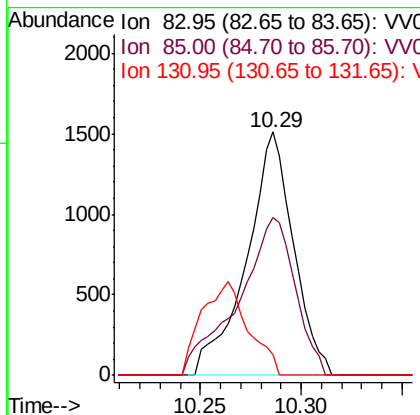
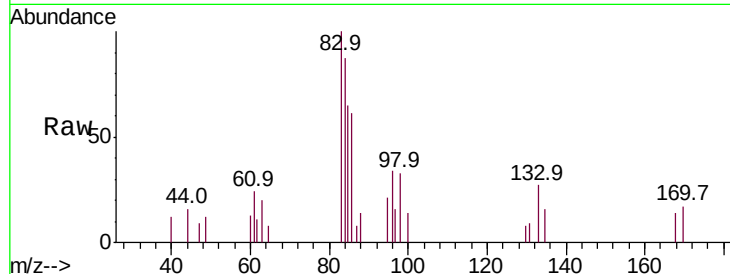
ClientSampled :

MDL01

Tot Ion:	83	Resp:	2451
Ion	Ratio	Lower	Upper
83	100		
85	64.9	44.0	81.6
131	8.7	8.3	12.5

Manual Integrations
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MMDadoda
7/30/2019 10:58:13 AM



#59

Bromoform

Concen: 0.234 ug/L

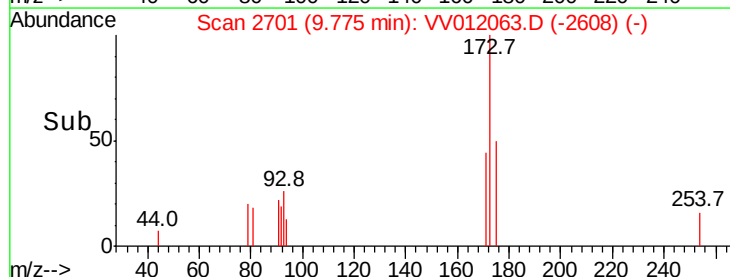
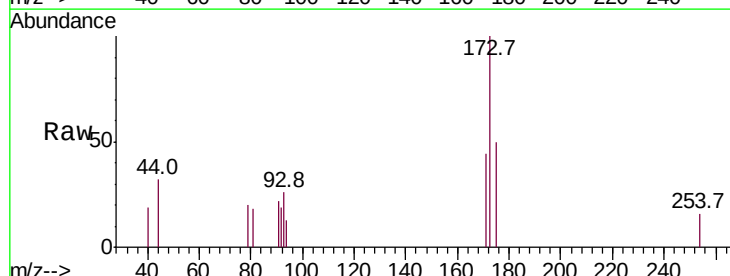
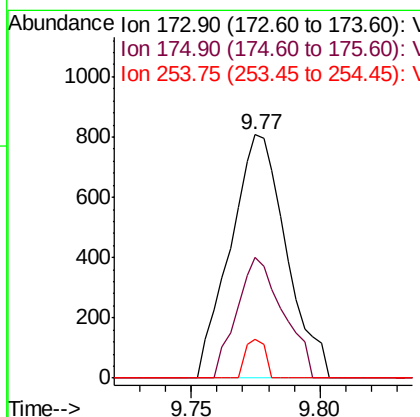
RT: 9.77 min Scan# 2701

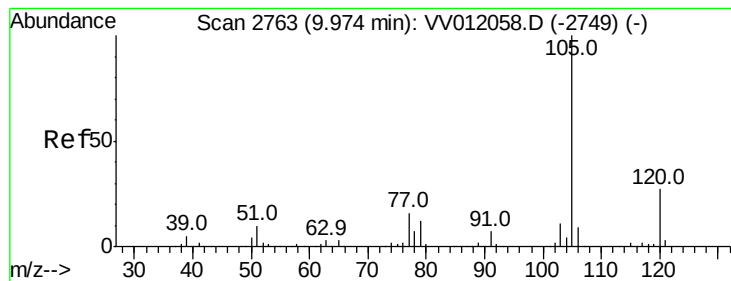
Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Tgt Ion:	173	Resp:	1215
Ion	Ratio	Lower	Upper
173	100		
175	41.2	38.3	57.5
254	5.7	8.6	13.0#





#60

Isopropylbenzene

Concen: 0.250 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

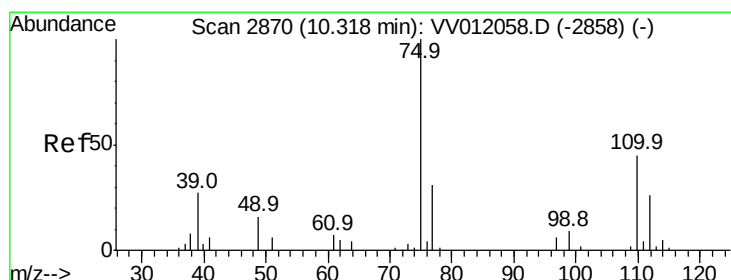
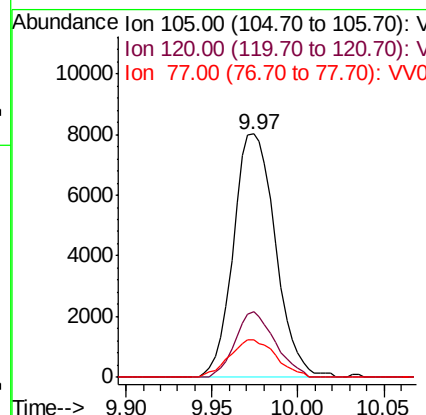
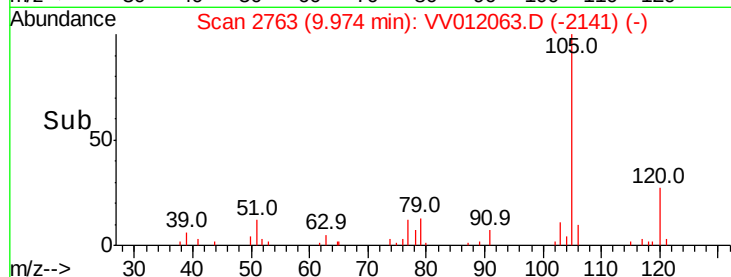
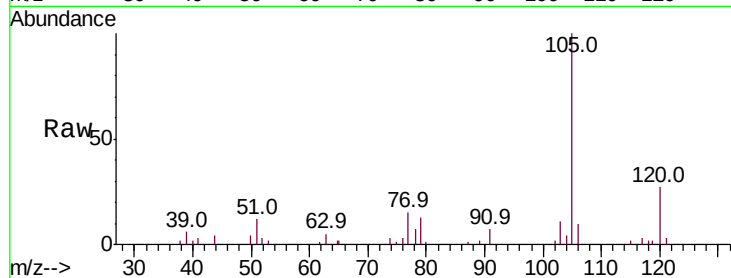
ClientSampled :

MDL01

Tot Ion:	105	Resp:	13696
Ion Ratio	Lower	Upper	
105	100		
120	25.4	21.5	32.3
77	16.9	12.3	18.5

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#61

1,2,3-Trichloropropane

Concen: 0.259 ug/L

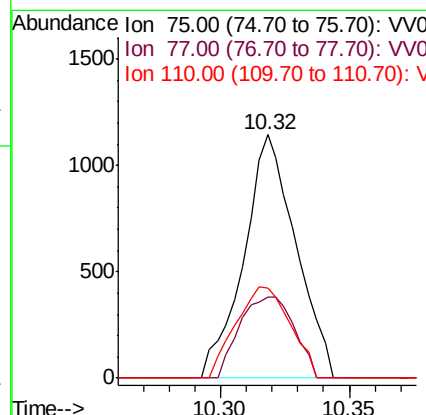
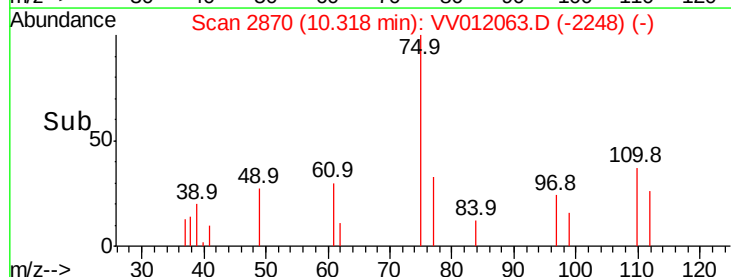
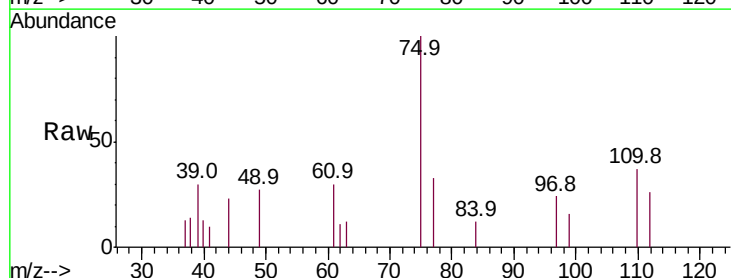
RT: 10.32 min Scan# 2870

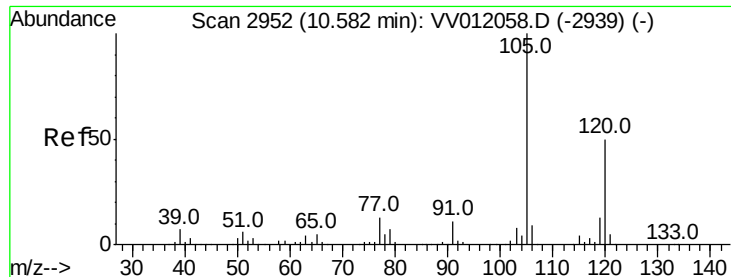
Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Tgt Ion:	75	Resp:	1616
Ion Ratio	Lower	Upper	
75	100		
77	35.0	26.8	40.2
110	39.1	35.0	52.6





#62

1,3,5-Trimethylbenzene

Concen: 0.236 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion:105 Resp: 10655

Ion Ratio Lower Upper

105 100

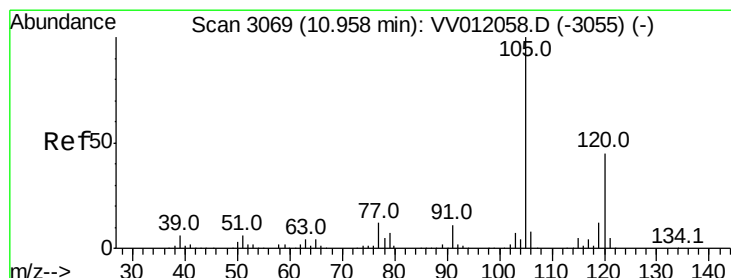
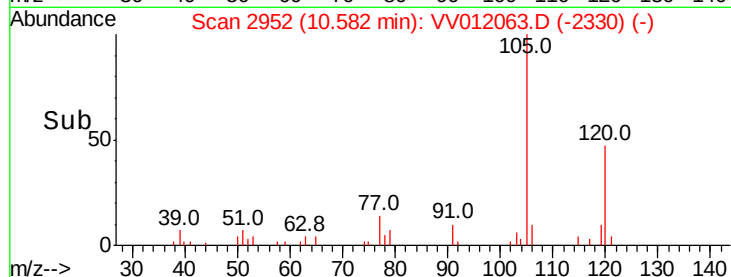
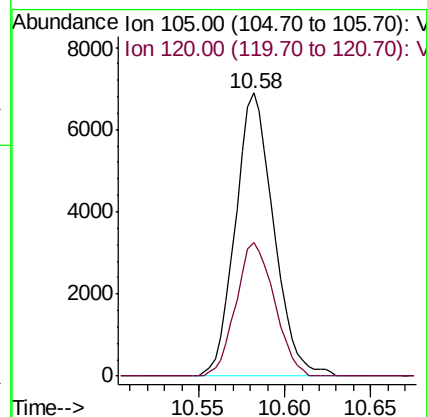
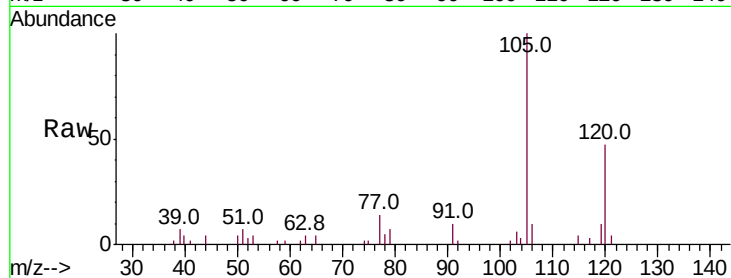
120 47.2 40.1 60.1

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#63

1,2,4-Trimethylbenzene

Concen: 0.213 ug/L

RT: 10.96 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VV012063.D

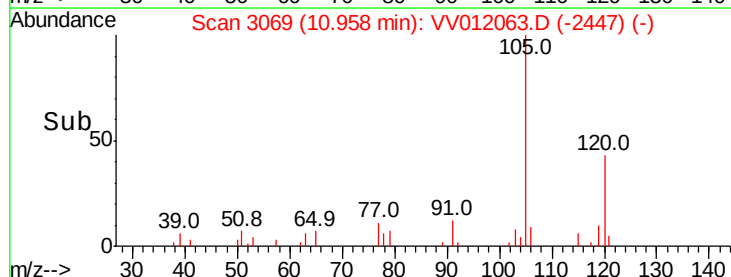
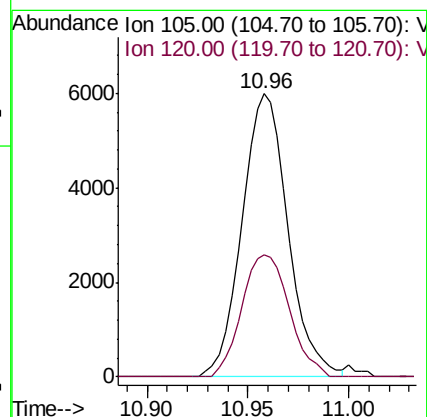
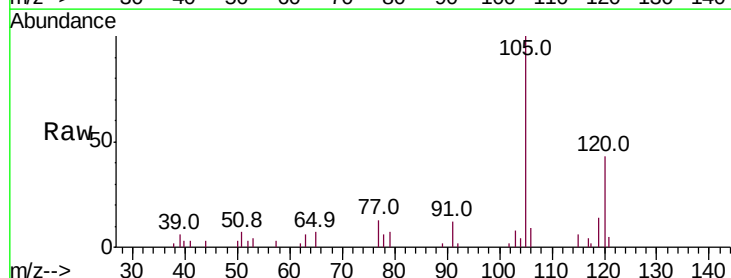
Acq: 29 Jul 2019 15:34

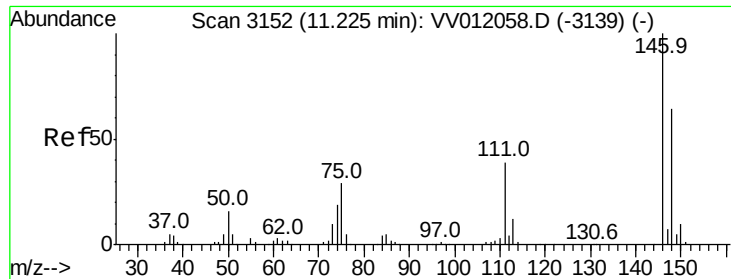
Tgt Ion:105 Resp: 9557

Ion Ratio Lower Upper

105 100

120 44.5 35.8 53.8





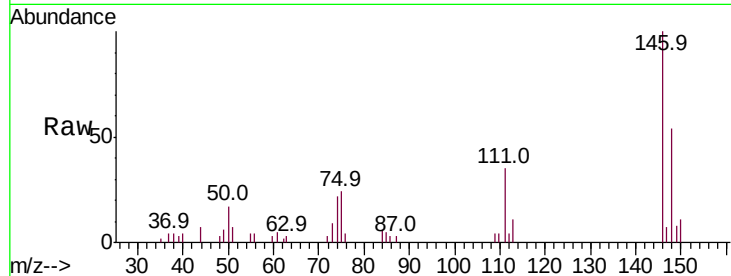
#64
 1,3-Dichlorobenzene
 Concen: 0.274 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

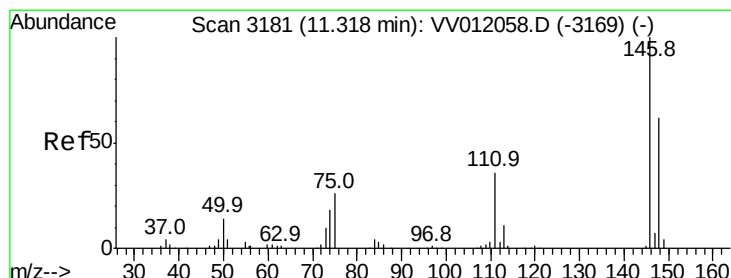
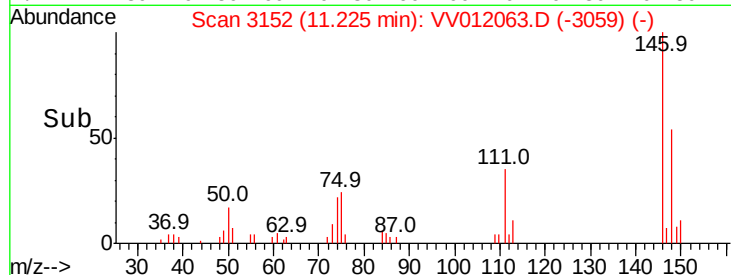
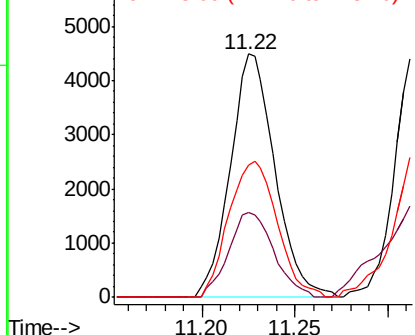
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.9	27.2	50.6
148	54.2	44.5	82.7

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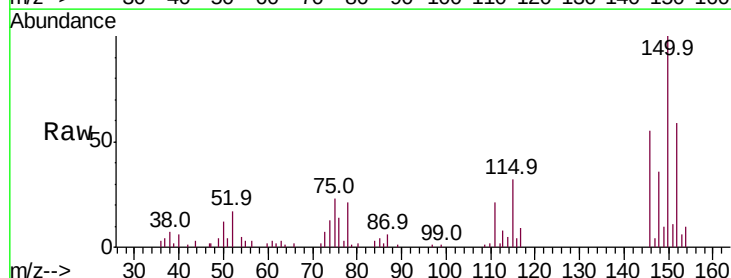


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

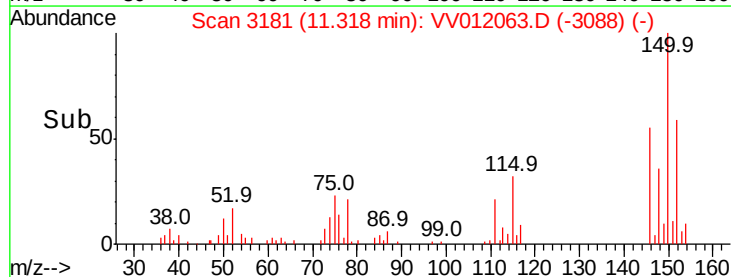
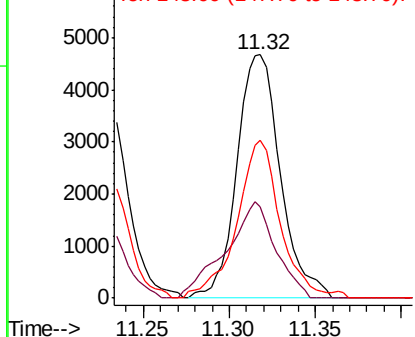


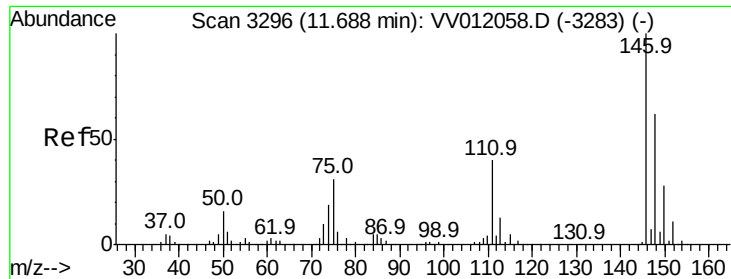
#65
 1,4-Dichlorobenzene
 Concen: 0.296 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	25.8	48.0
148	64.8	43.8	81.3



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





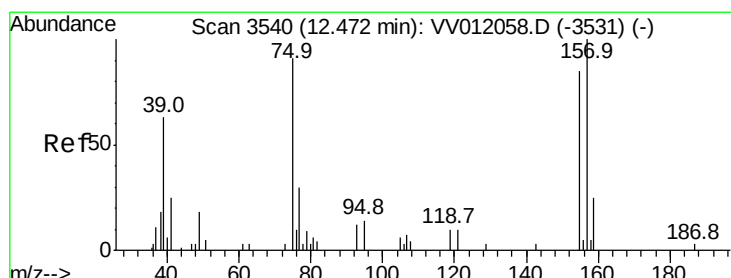
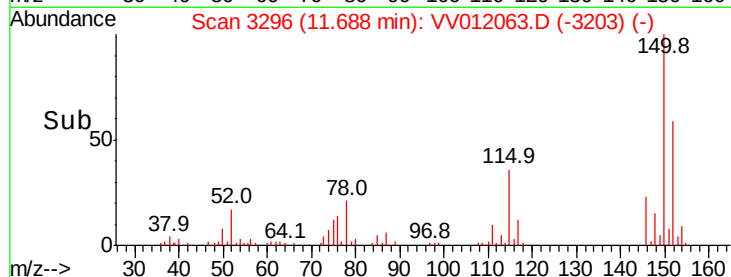
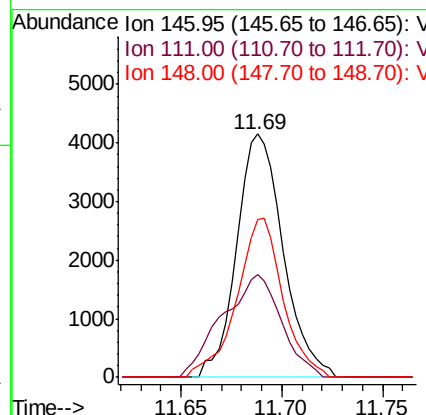
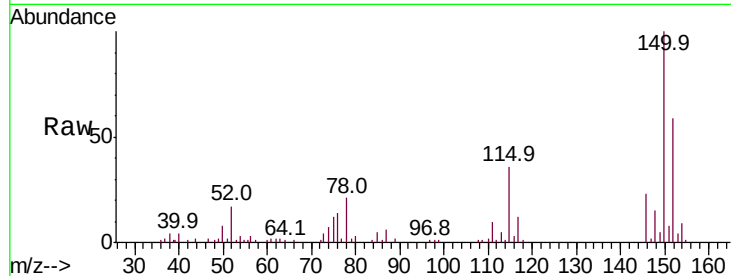
#67
 1,2-Dichlorobenzene
 Concen: 0.270 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	32.4	48.6
148	64.8	49.4	74.0

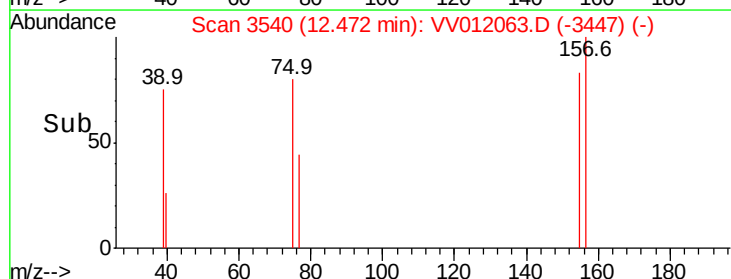
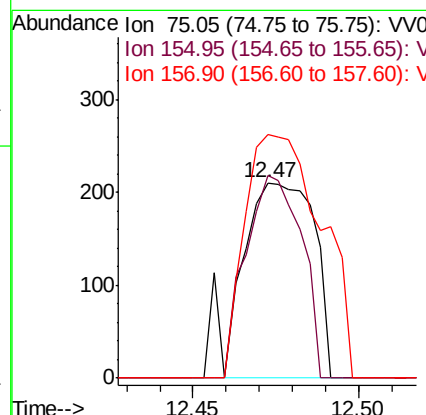
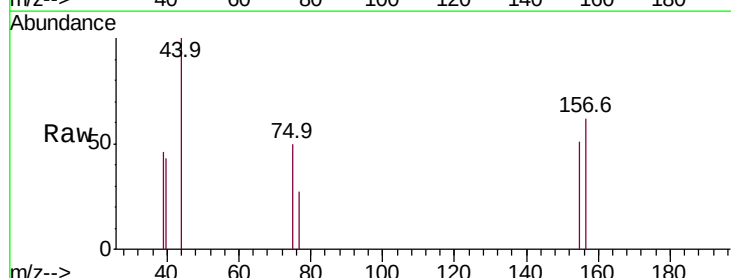
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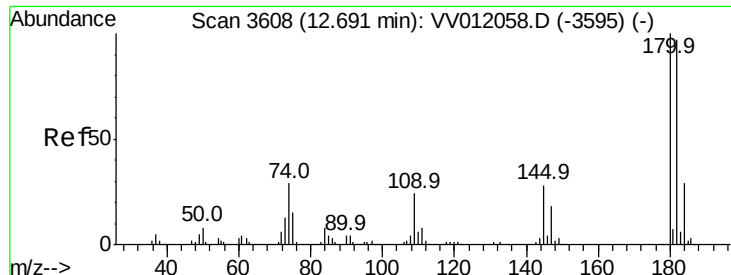
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.254 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012063.D
 Acq: 29 Jul 2019 15:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.8	75.0	112.6
157	124.8	87.8	131.6





#69

1,3,5-Trichlorobenzene

Concen: 0.270 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion:180 Resp: 6099

Ion Ratio Lower Upper

180 100

182 91.5 77.1 115.7

184 31.8 24.6 36.8

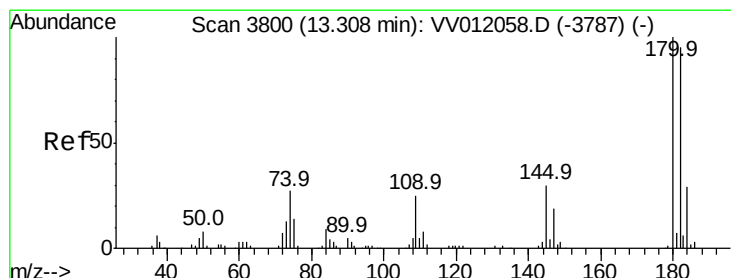
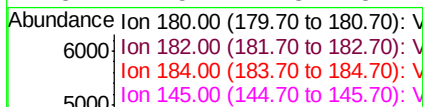
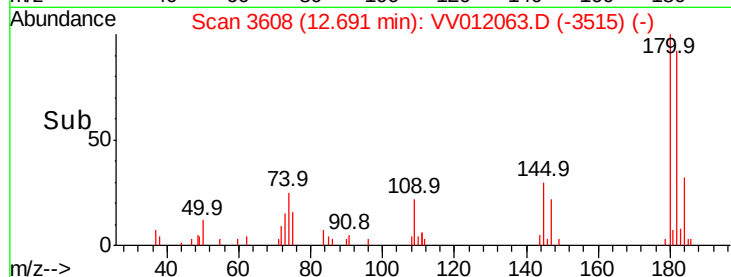
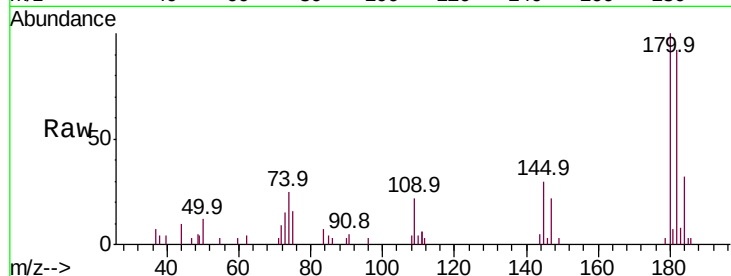
145 27.5 22.8 34.2

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#70

1,2,4-trichlorobenzene

Concen: 0.270 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. 0.00 min

Lab File: VV012063.D

Acq: 29 Jul 2019 15:34

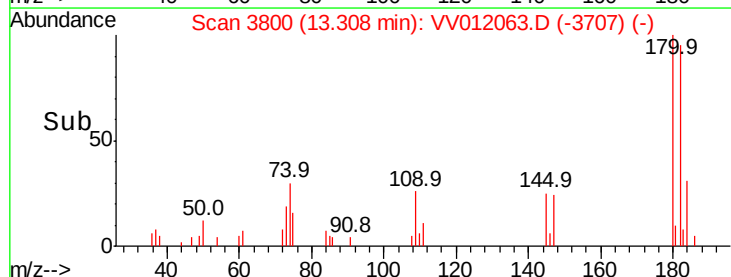
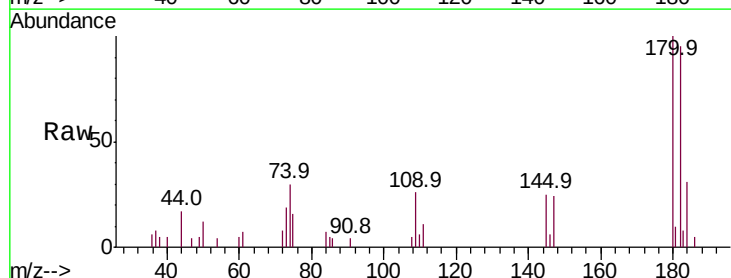
Tgt Ion:180 Resp: 4826

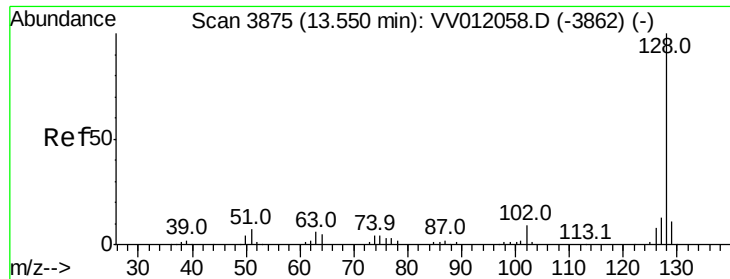
Ion Ratio Lower Upper

180 100

182 88.2 76.1 114.1

145 27.7 24.3 36.5





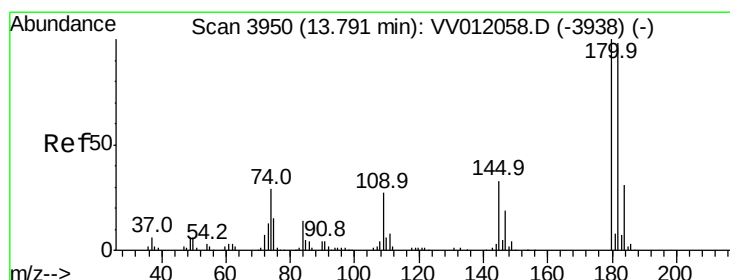
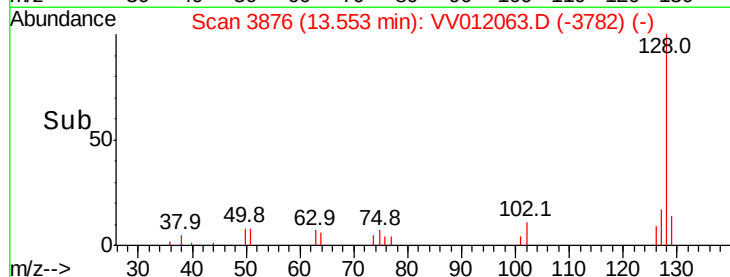
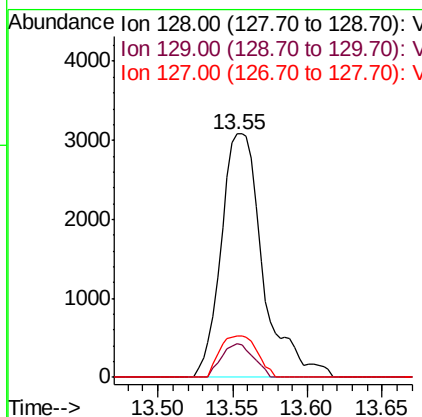
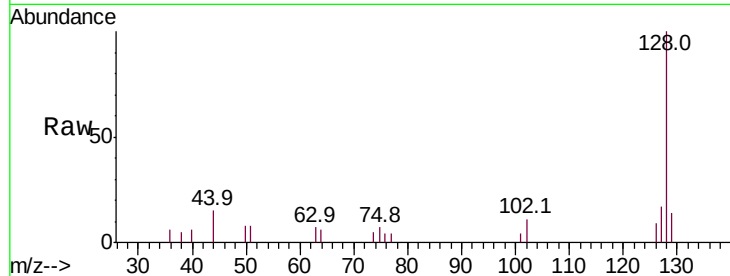
#71
Naphthalene
Concen: 0.242 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.1	13.7
127	15.2	10.4	15.6

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#72
1,2,3-Trichlorobenzene
Concen: 0.252 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV012063.D
Acq: 29 Jul 2019 15:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	78.5	117.7
145	35.0	25.8	38.8

