

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073119\
 Data File : VV012088.D
 Acq On : 30 Jul 2019 23:33
 Operator : SY/MD
 Sample : MDL05
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMdadoda
 8/1/2019 9:58:33 AM

Quant Time: Jul 31 08:38:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 31 05:31:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	116213	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	113420	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	59489	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24842	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.58	69	19770	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.13	63	41598	3.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.20%
20) 2-Butanone-d5	3.97	46	80746	53.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.62%
24) Chloroform-d	4.40	84	68619	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.09	65	41306	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.10	84	136166	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.12	67	37577	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.36	98	127084	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.66	79	16140	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.14	63	63375	52.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.80%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	28588	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	52667	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3753	0.291 ug/L	95
3) Chloromethane	1.25	50	1946	0.316 ug/L	99
5) Vinyl chloride	1.32	62	1953	0.290 ug/L #	67
6) Bromomethane	1.54	94	1310	0.314 ug/L	95
8) Chloroethane	1.60	64	1386	0.370 ug/L	90
9) Trichlorofluoromethane	1.77	101	4272	0.327 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2285	0.411 ug/L #	85
12) 1,1-Dichloroethene	2.14	96	1925	0.377 ug/L #	1
13) Acetone	2.24	43	3054m	3.962 ug/L	
14) Carbon disulfide	2.32	76	4294	0.308 ug/L	98
15) Methyl Acetate	2.47	43	686m	0.392 ug/L	
16) Methylene chloride	2.54	84	2374	0.448 ug/L	92
17) Methyl tert-butyl Ether	2.81	73	5201	0.307 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	2393	0.315 ug/L	98
19) 1,1-Dichloroethane	3.23	63	4121	0.305 ug/L	91
21) 2-Butanone	4.06	43	5862m	3.835 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	2431	0.298 ug/L	83

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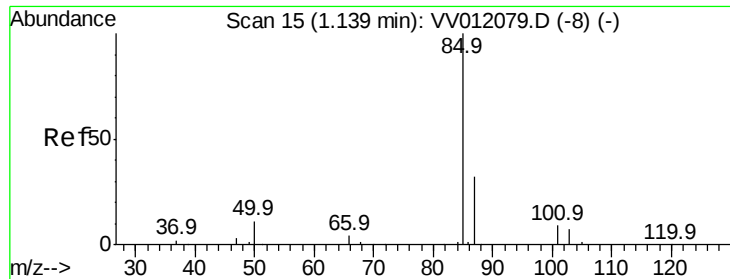
MMdadoda
 8/1/2019 9:58:33 AM

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.31	128	1058	0.289	ug/L #	78
25) Chloroform	4.43	83	11477	0.654	ug/L	96
27) 1,2-Dichloroethane	5.19	62	3230	0.334	ug/L #	75
29) 1,1,1-Trichloroethane	4.66	97	4442	0.301	ug/L	95
30) Cyclohexane	4.72	56	3158	0.281	ug/L #	89
31) Carbon tetrachloride	4.88	117	3836	0.290	ug/L	97
33) Benzene	5.15	78	9214m	0.306	ug/L	
34) Trichloroethene	5.96	95	2555	0.295	ug/L	84
35) Methylcyclohexane	6.17	83	3784	0.288	ug/L	98
37) 1,2-Dichloropropane	6.22	63	2158	0.310	ug/L #	82
38) Bromodichloromethane	6.56	83	3179	0.311	ug/L #	88
39) cis-1,3-Dichloropropene	7.08	75	3422m	0.316	ug/L	
40) 4-Methyl-2-pentanone	7.28	43	11925	3.151	ug/L #	84
42) Toluene	7.43	91	10200	0.310	ug/L	90
44) trans-1,3-Dichloropropene	7.70	75	2437	0.279	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	1574	0.304	ug/L	91
47) Tetrachloroethene	8.02	164	2443	0.310	ug/L	83
48) 2-Hexanone	8.19	43	8653	3.287	ug/L	91
49) Dibromochloromethane	8.29	129	2021	0.300	ug/L	95
50) 1,2-Dibromoethane	8.40	107	1523	0.307	ug/L #	82
51) Chlorobenzene	8.93	112	6938	0.311	ug/L	96
52) Ethylbenzene	9.05	91	10934	0.289	ug/L	99
53) m,p-xylene	9.19	106	3752	0.258	ug/L	92
54) o-xylene	9.59	106	4255	0.306	ug/L	82
55) Styrene	9.60	104	6093	0.258	ug/L	80
56) Isopropylbenzene	9.97	105	10786	0.280	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	2053	0.359	ug/L #	85
59) 1,2,3-Trichloropropane	10.32	75	1459	0.337	ug/L #	85
61) Bromoform	9.77	173	1142	0.323	ug/L #	92
62) 1,3-Dichlorobenzene	11.23	146	5855	0.319	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	6110	0.326	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	5609	0.338	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	370	0.416	ug/L #	68
67) 1,3,5-Trichlorobenzene	12.69	180	4834	0.322	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	3730	0.308	ug/L	97
69) Naphthalene	13.55	128	4532	0.278	ug/L #	96
70) 1,2,3-Trichlorobenzene	13.79	180	3519	0.326	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 0.291 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 85 Resp: 3753

Ion Ratio Lower Upper

85 100

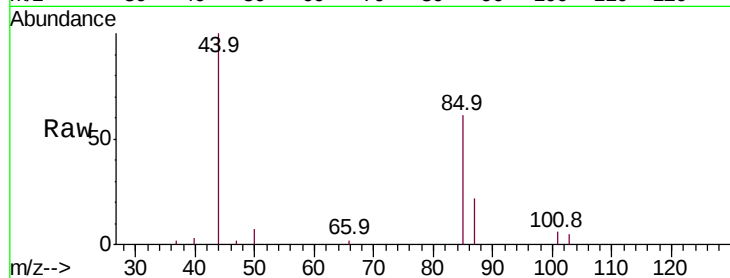
87 35.0 25.6 38.4

Manual Integrations

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Abundance Ion 85.00 (84.70 to 85.70): VV012079.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012079.D (-8) (-)

1.14

4000

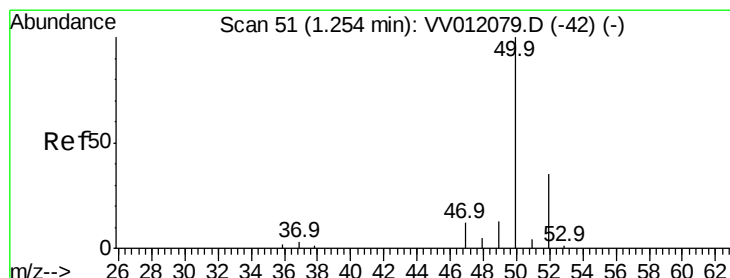
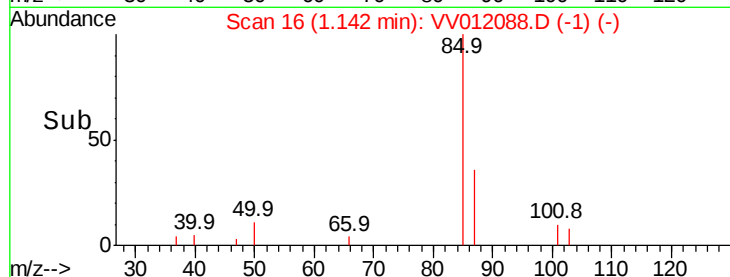
3000

2000

1000

0

Time--> 1.10 1.12 1.14 1.16 1.18



#3

Chloromethane

Concen: 0.316 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012088.D

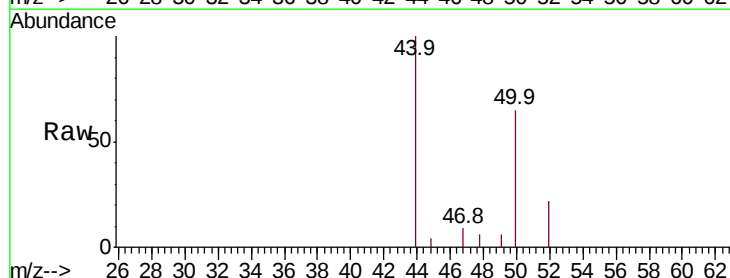
Acq: 30 Jul 2019 23:33

Tgt Ion: 50 Resp: 1946

Ion Ratio Lower Upper

50 100

52 33.2 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV012079.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV012079.D (-42) (-)

1.25

2000

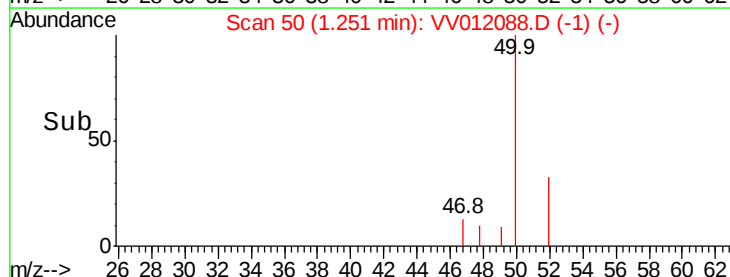
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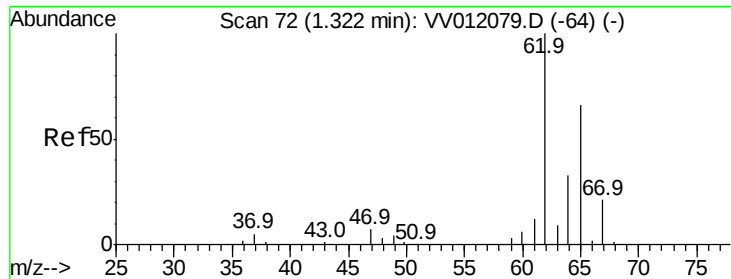
1000

500

0

Time--> 1.22 1.24 1.26 1.28





#5

Vinyl chloride

Concen: 0.290 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 62 Resp: 1953

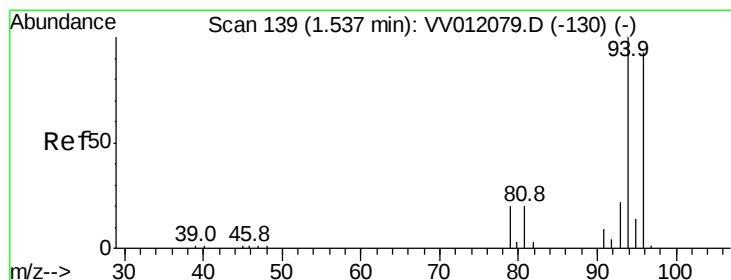
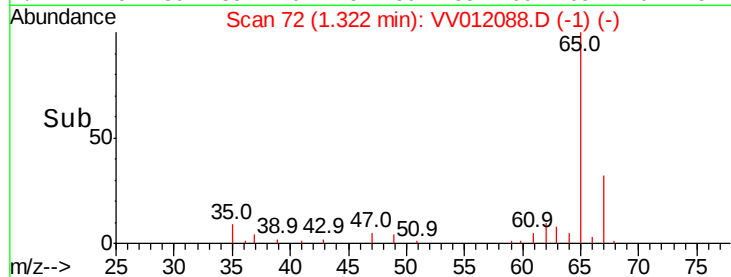
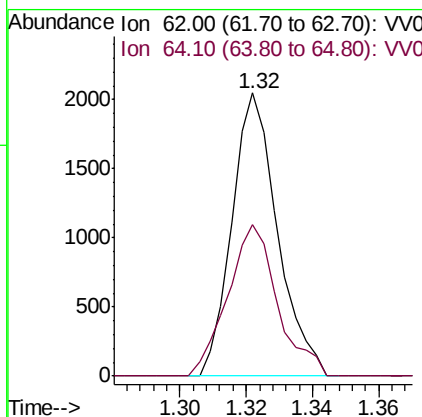
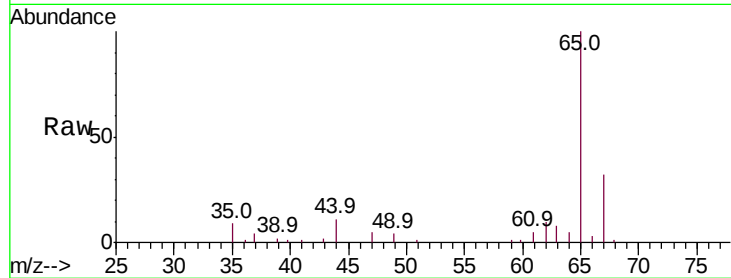
Ion Ratio Lower Upper

62 100

64 53.5 24.3 45.1#

Manual Integrations
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#6

Bromomethane

Concen: 0.314 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012088.D

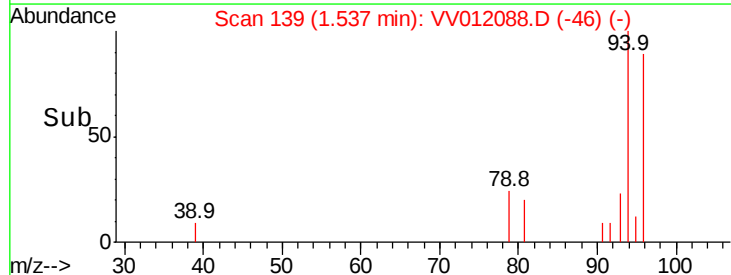
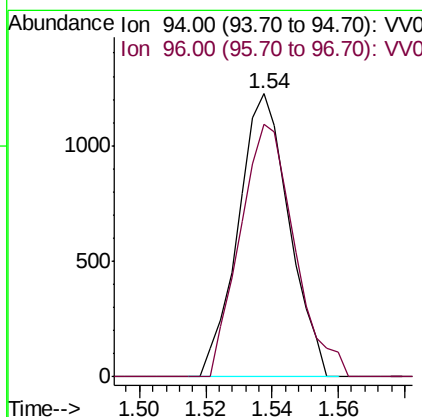
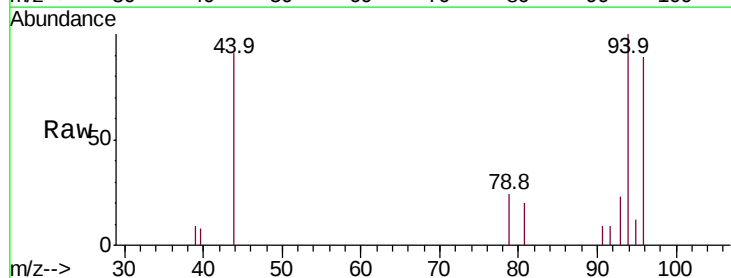
Acq: 30 Jul 2019 23:33

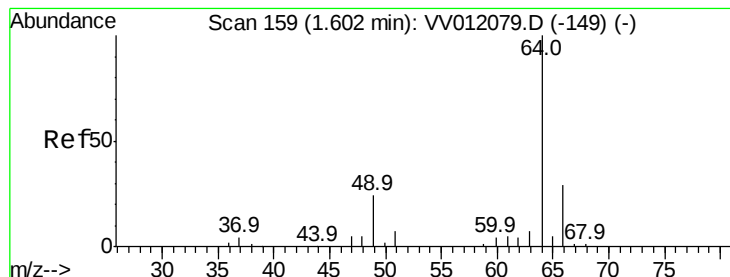
Tgt Ion: 94 Resp: 1310

Ion Ratio Lower Upper

94 100

96 89.1 65.6 121.8





#8

Chloroethane

Concen: 0.370 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 64 Resp: 1386

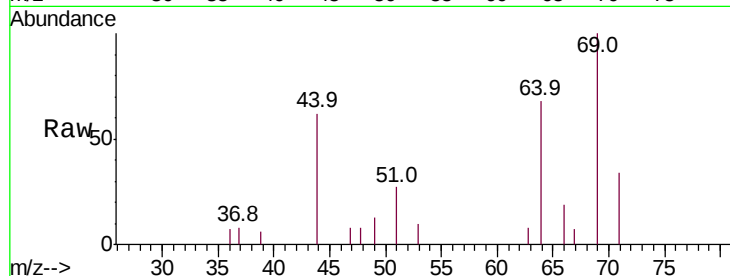
Ion Ratio Lower Upper

64 100

66 27.4 23.1 42.9

Manual Integrations
APPROVED

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8/1/2019 9:58:33 AM



Abundance Ion 64.10 (63.80 to 64.80): VV012079.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012079.D (-149) (-)

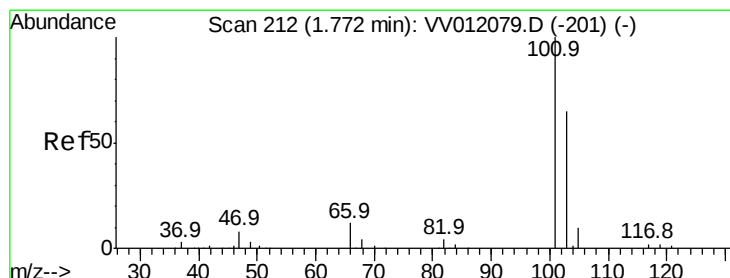
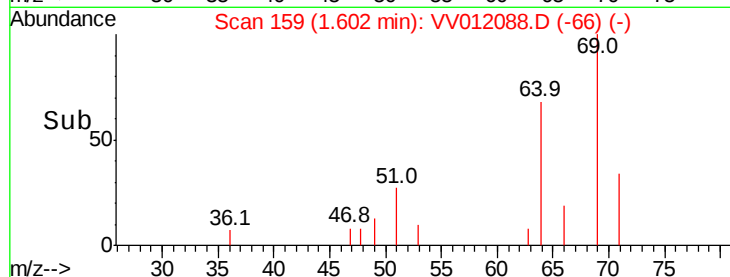
1.60

1000

500

0

Time-->



#9

Trichlorofluoromethane

Concen: 0.327 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012088.D

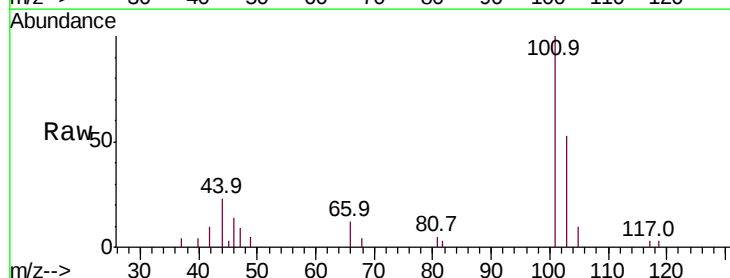
Acq: 30 Jul 2019 23:33

Tgt Ion: 101 Resp: 4272

Ion Ratio Lower Upper

101 100

103 57.5 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV012079.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV012079.D (-201) (-)

1.77

4000

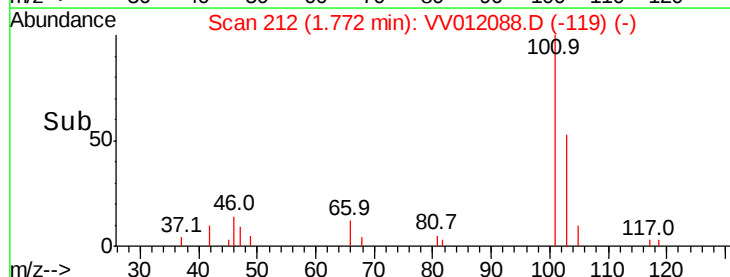
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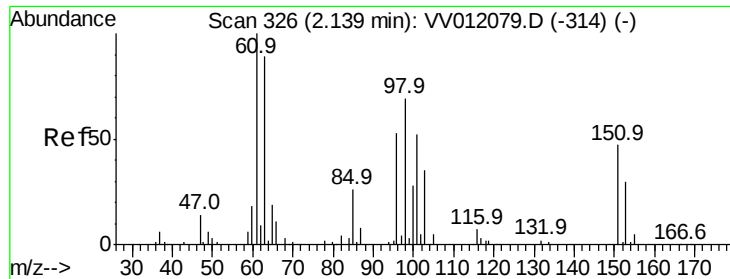
2000

1000

0

Time-->





#10

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

Concen: 0.411 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

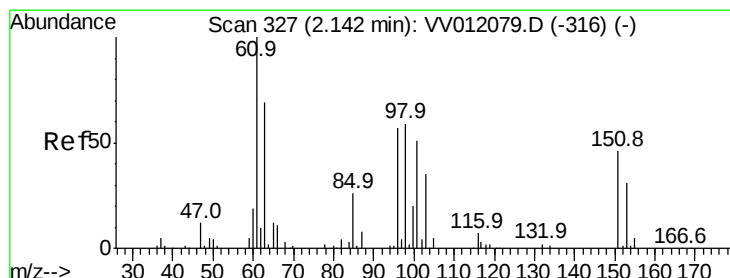
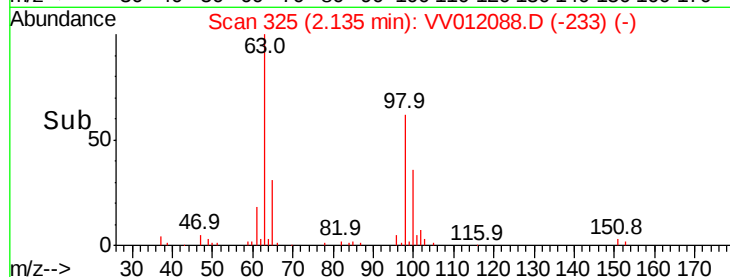
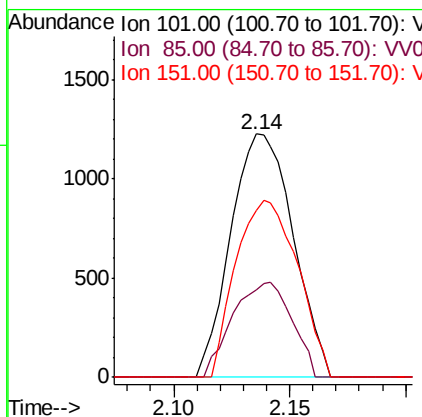
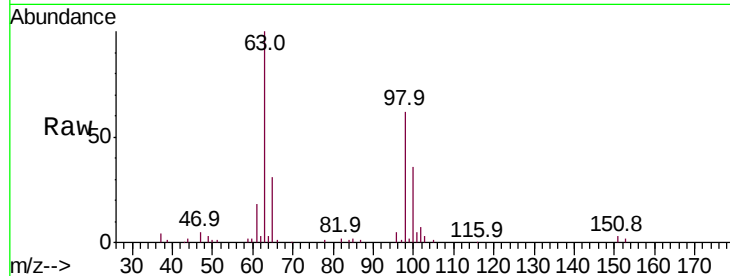
ClientSampleId :

MDL05

Tot Ion	Ratio	Lower	Upper
101	100		
85	37.1	37.4	56.2#
151	72.1	69.1	103.7

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.377 ug/L

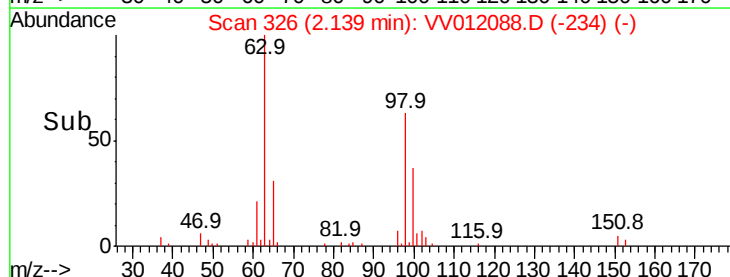
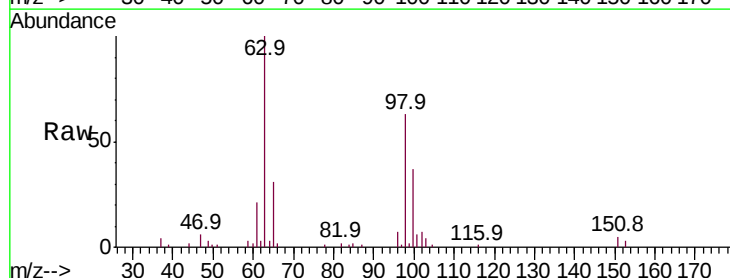
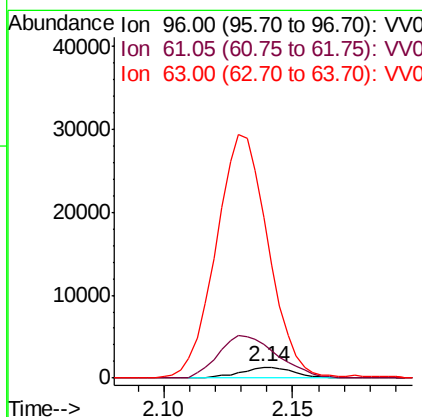
RT: 2.14 min Scan# 326

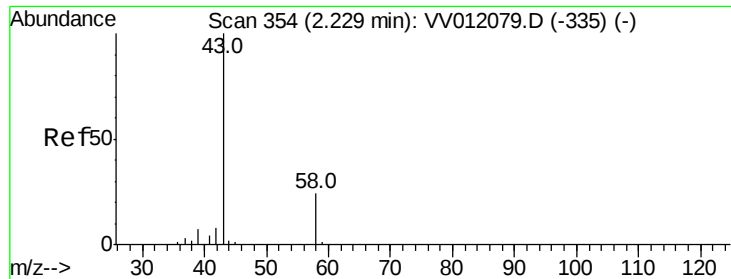
Delta R.T. -0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	303.3	126.9	235.7#
63	1444.8	87.6	162.8#





#13

Acetone

Concen: 3.962 ug/L m

RT: 2.24 min Scan# 358

Delta R.T. 0.01 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 43 Resp: 3054

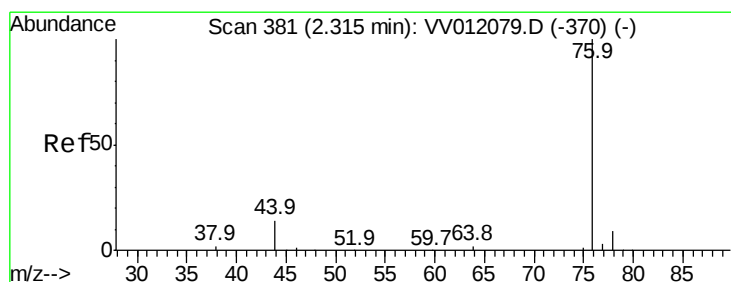
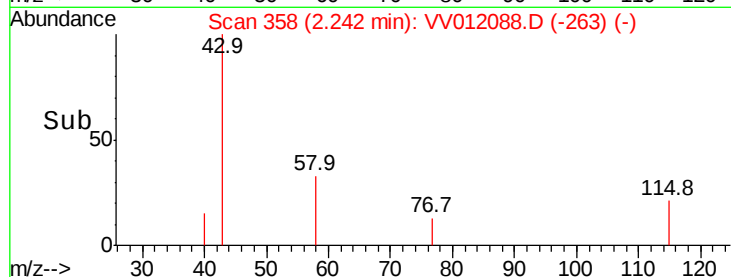
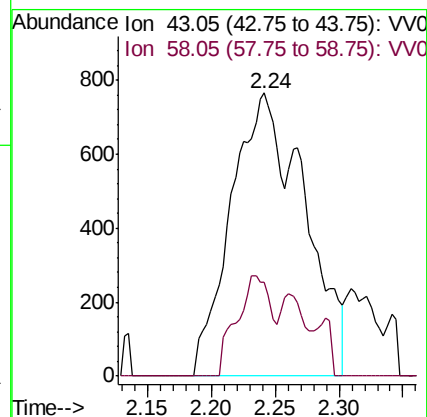
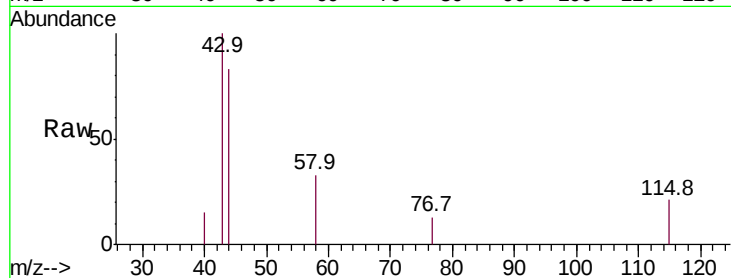
Ion Ratio Lower Upper

43 100

58 16.6 0.0 51.0

Manual Integrations
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8/1/2019 9:58:33 AM



#14

Carbon disulfide

Concen: 0.308 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012088.D

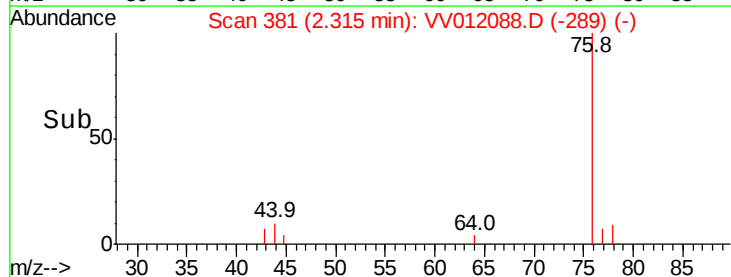
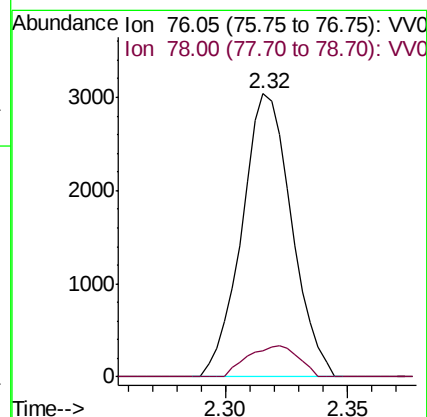
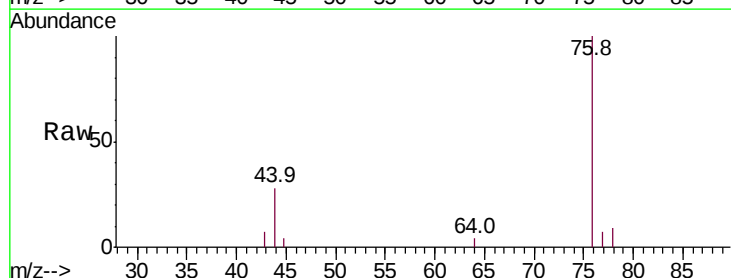
Acq: 30 Jul 2019 23:33

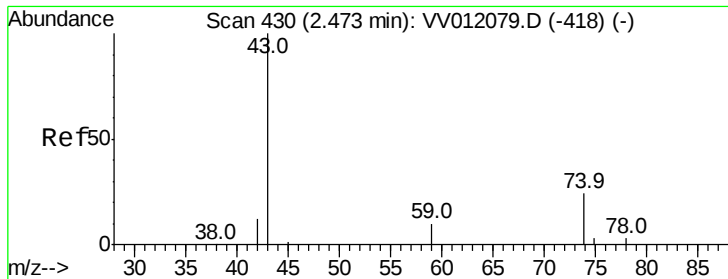
Tgt Ion: 76 Resp: 4294

Ion Ratio Lower Upper

76 100

78 9.1 7.9 11.9





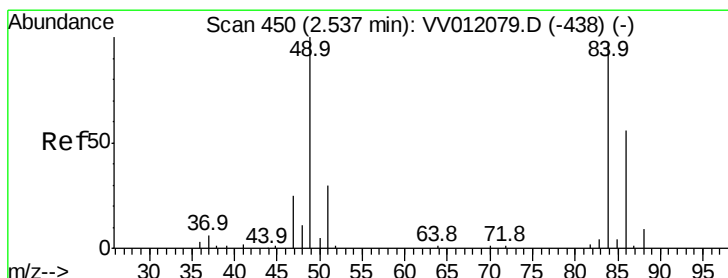
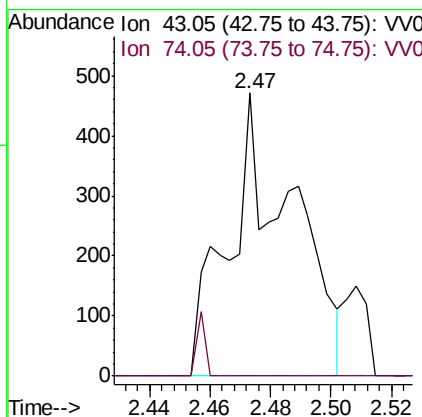
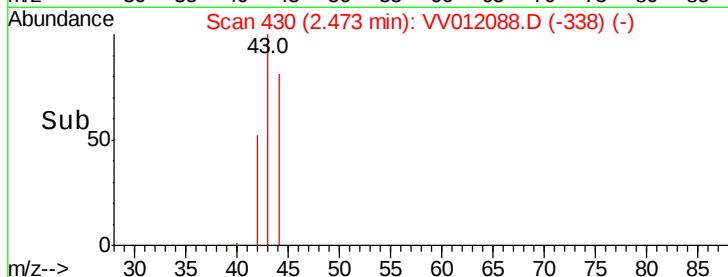
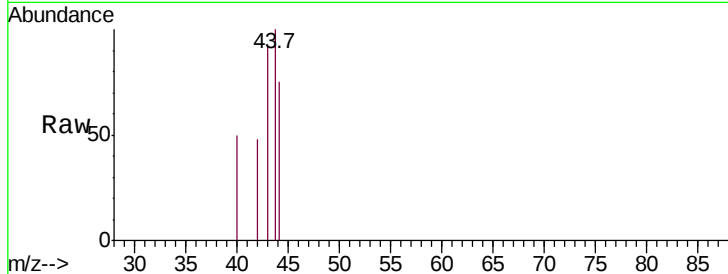
#15
Methyl Acetate
Concen: 0.392 ug/L m
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion: 43 Resp: 686
Ion Ratio Lower Upper
43 100
74 3.1 23.4 35.0#

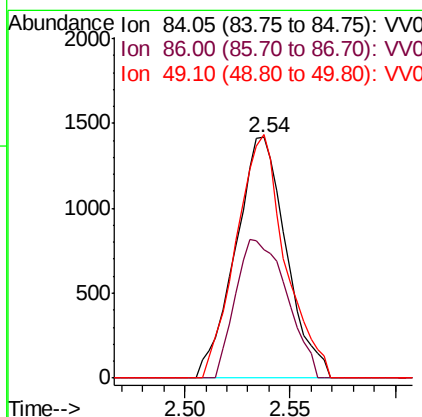
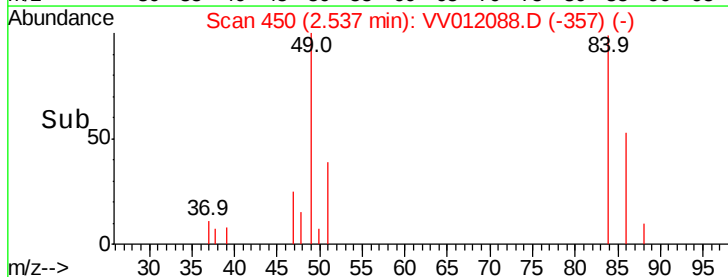
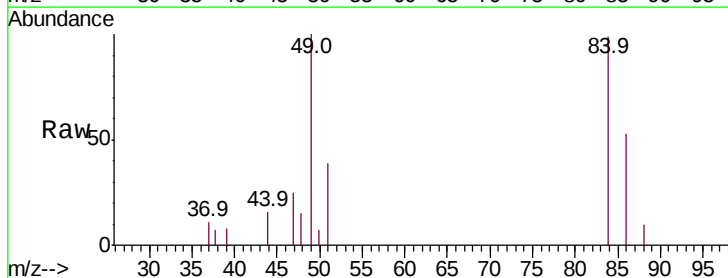
Manual Integrations
APPROVED

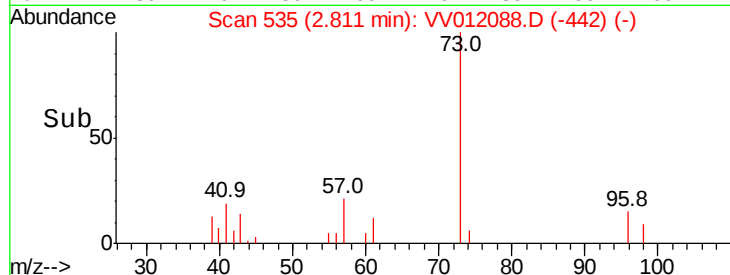
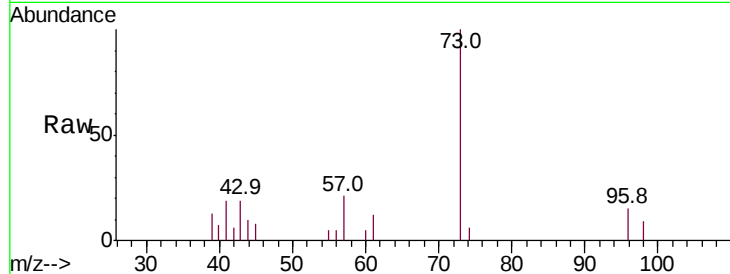
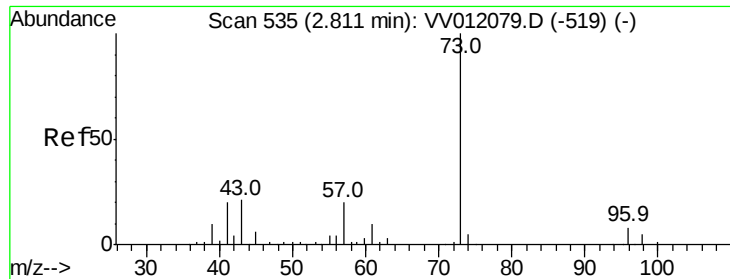
MMdadoda
8/1/2019 9:58:33 AM



#16
Methylene chloride
Concen: 0.448 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tgt Ion: 84 Resp: 2374
Ion Ratio Lower Upper
84 100
86 53.2 45.0 83.6
49 101.1 74.4 138.2





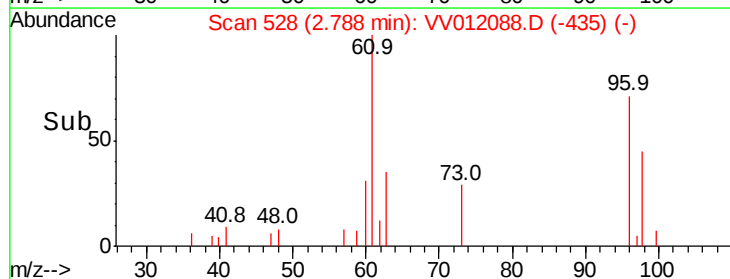
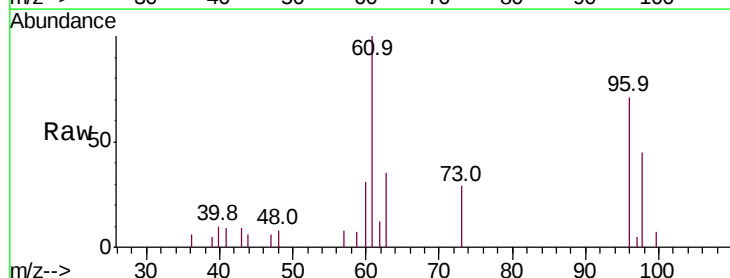
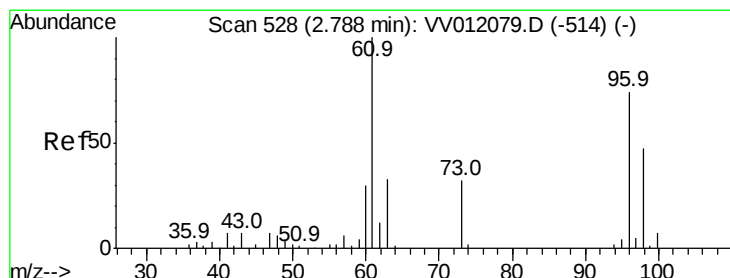
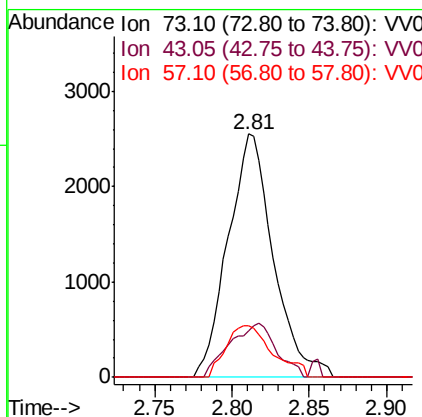
#17
Methvl tert-butvl Ether
Concen: 0.307 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tot Ion	Ratio	Lower	Upper
73	100		
43	23.0	17.2	25.8
57	21.6	15.1	22.7

Instrument :
MSVOA_V
ClientSampleId :
MDL05

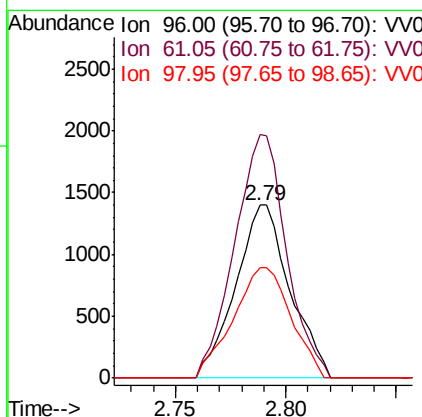
Manual Integrations
APPROVED

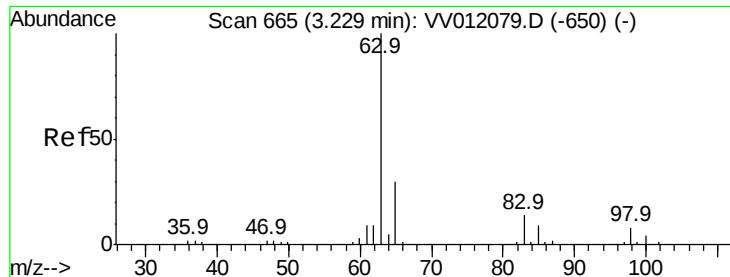
MMdadoda
8/1/2019 9:58:33 AM



#18
trans-1,2-Dichloroethene
Concen: 0.315 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.6	99.0	184.0
98	63.6	47.9	88.9





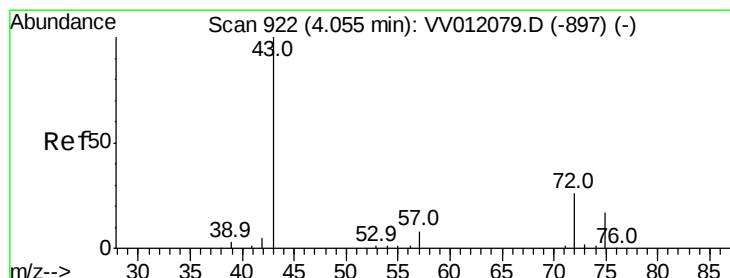
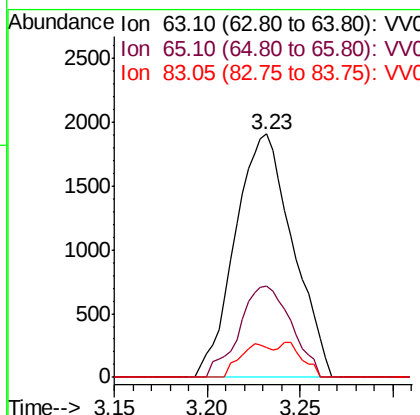
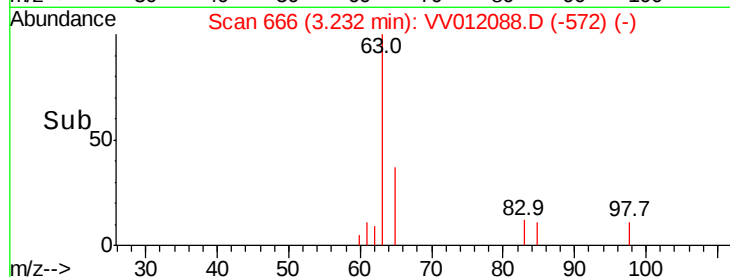
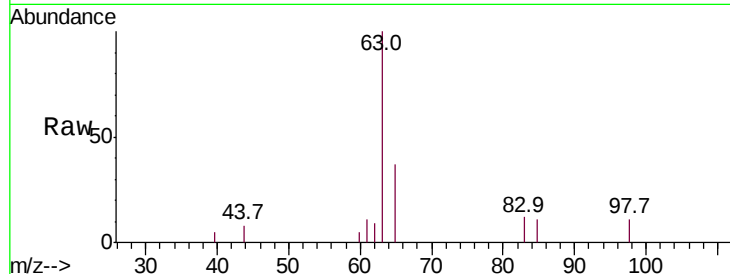
#19
 1,1-Dichloroethane
 Concen: 0.305 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
63	100		
65	37.4	22.3	41.3
83	12.2	10.4	19.2

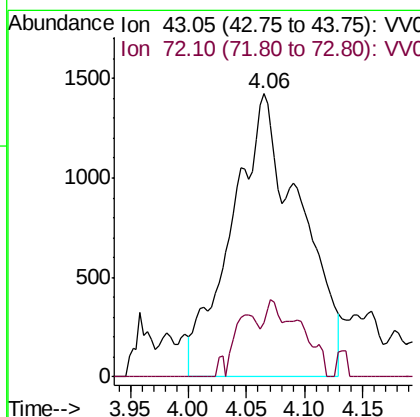
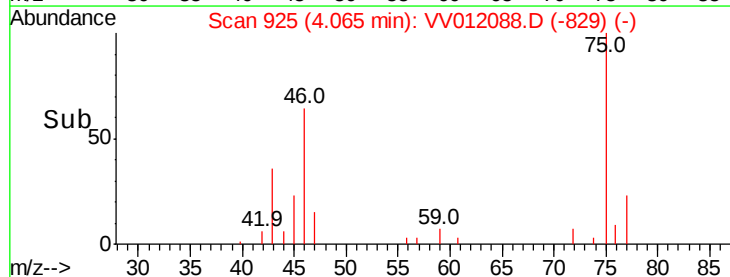
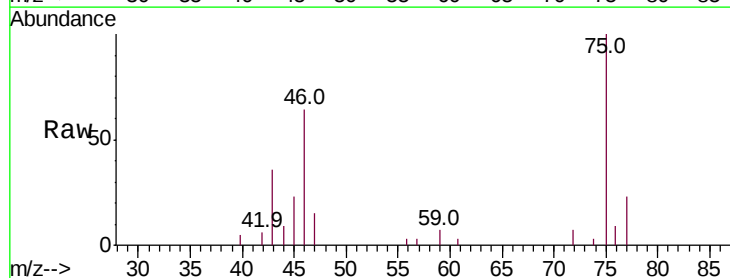
Manual Integrations
 APPROVED

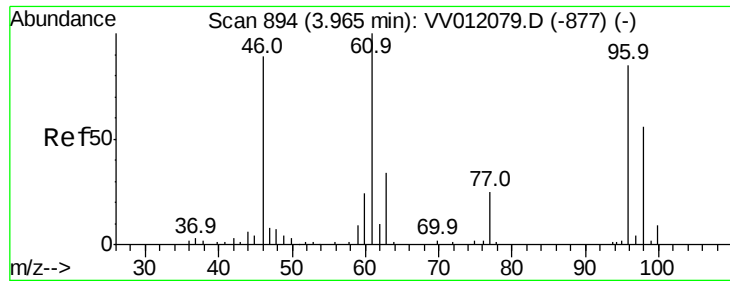
MMDadoda
 8/1/2019 9:58:33 AM



#21
 2-Butanone
 Concen: 3.835 ug/L m
 RT: 4.06 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.7	14.0	42.0#





#22

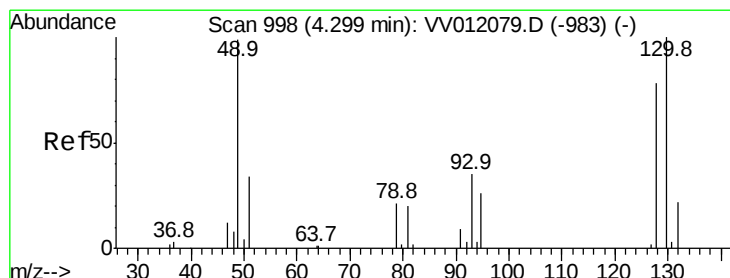
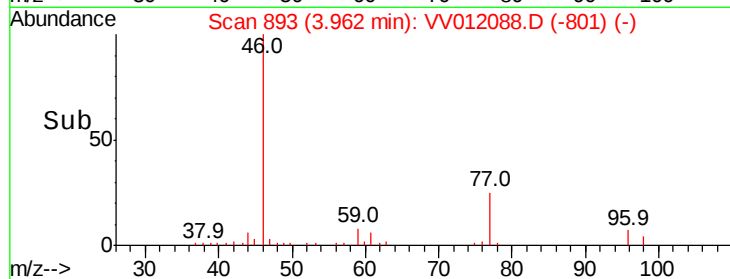
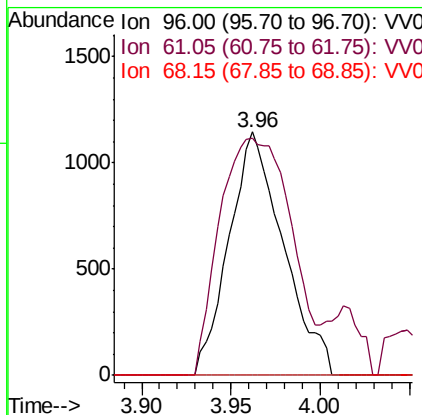
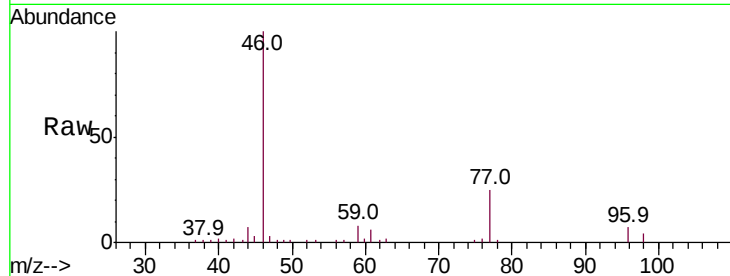
cis-1,2-Dichloroethene
Concen: 0.298 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
96	100		
61	97.6	81.5	151.5
68	0.0	0.0	0.0

Manual Integrations
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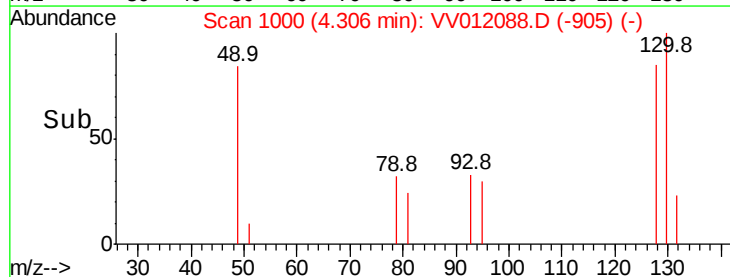
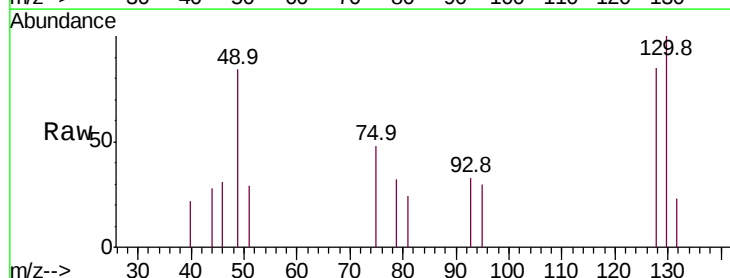
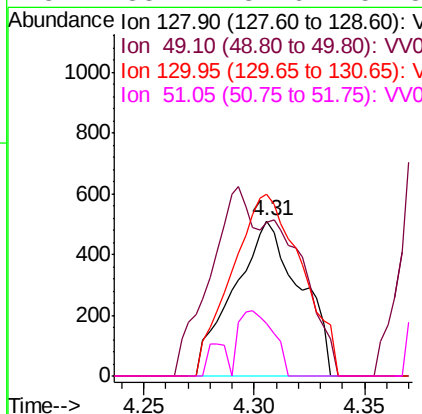
MMDadoda
8/1/2019 9:58:33 AM

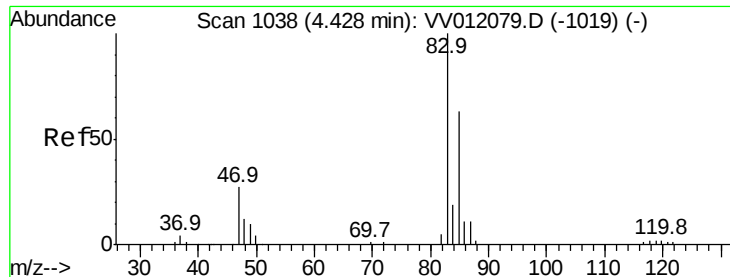


#23

Bromochloromethane
Concen: 0.289 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tgt Ion	Ratio	Lower	Upper
128	100		
49	98.6	97.9	181.7
130	117.4	90.9	168.9
51	33.7	34.6	51.8#





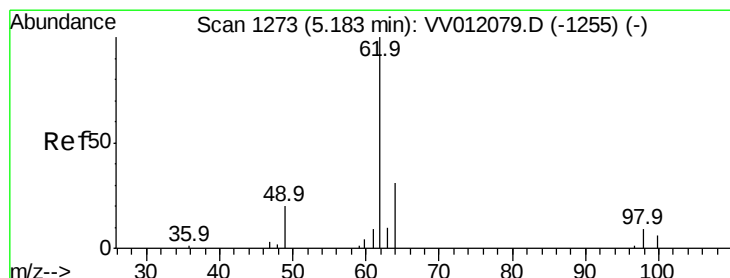
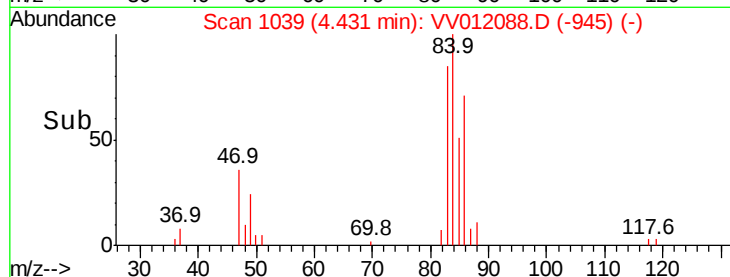
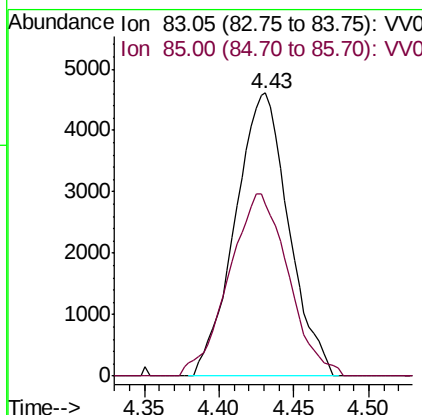
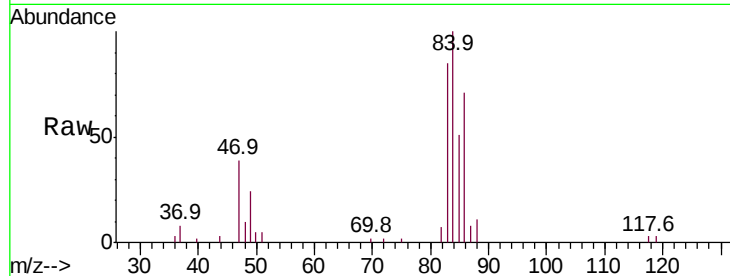
#25
Chloroform
Concen: 0.654 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion: 83 Resp: 11477
Ion Ratio Lower Upper
83 100
85 60.7 44.7 83.1

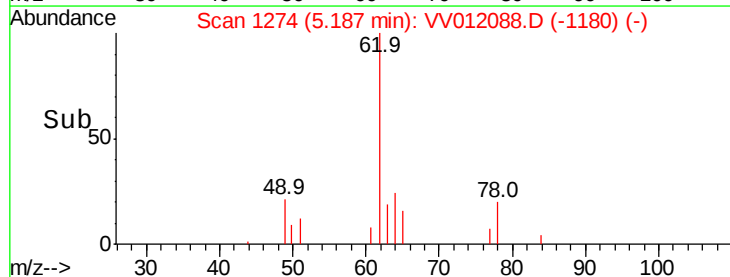
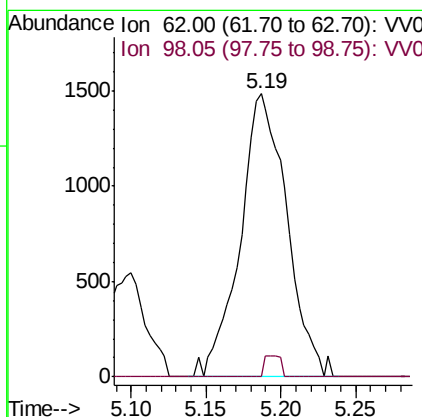
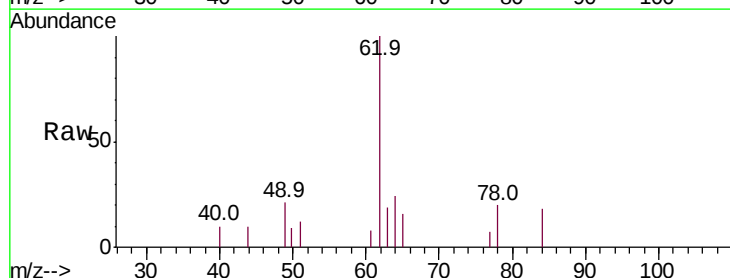
Manual Integrations
APPROVED

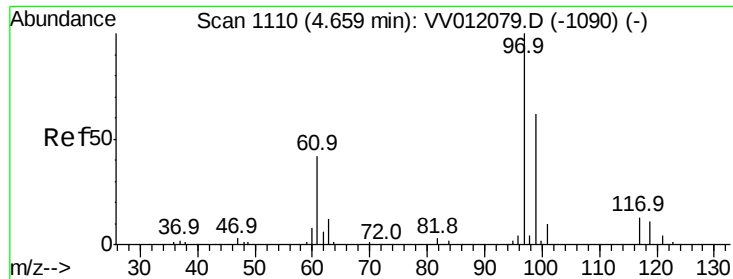
MMdadoda
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#27
1,2-Dichloroethane
Concen: 0.334 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tgt Ion: 62 Resp: 3230
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#





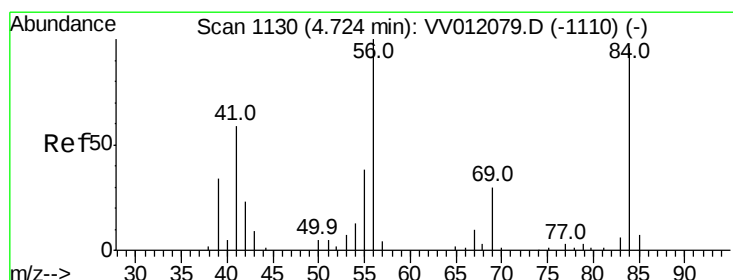
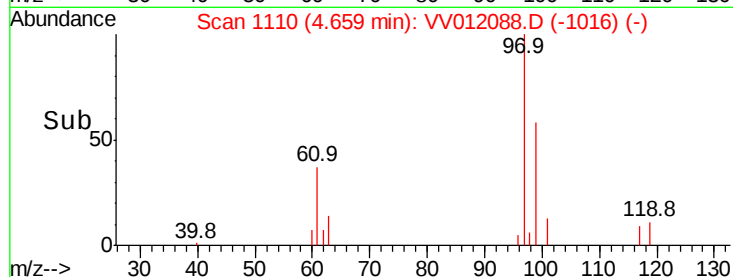
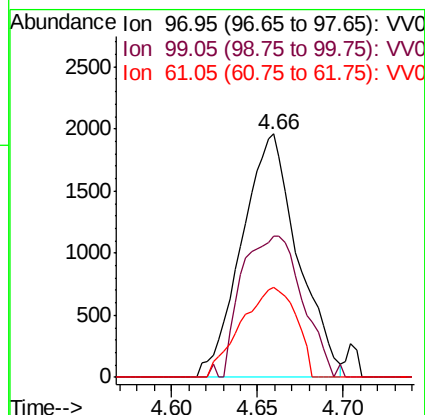
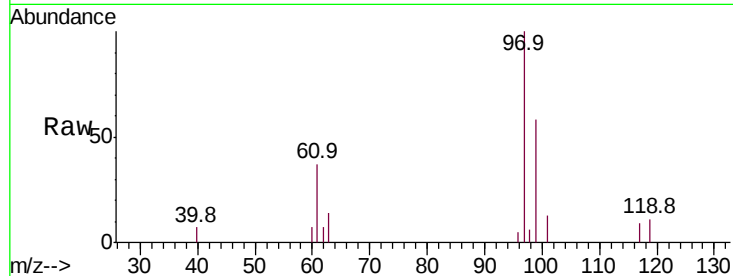
#29
1,1,1-Trichloroethane
Concen: 0.301 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.7	77.5
61	36.3	34.2	51.2

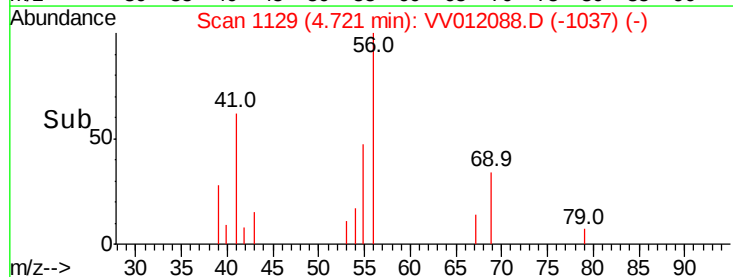
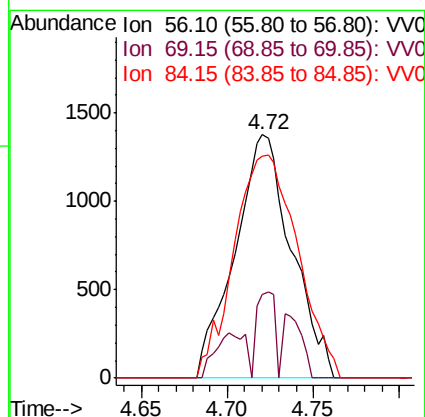
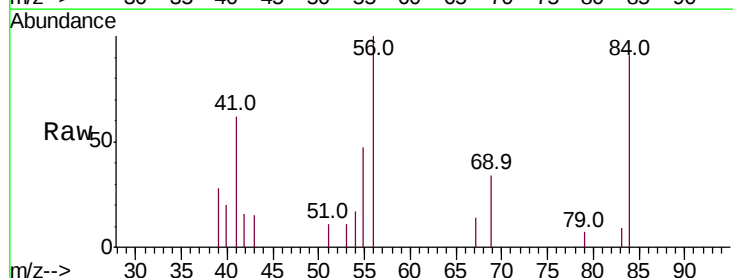
Manual Integrations
APPROVED

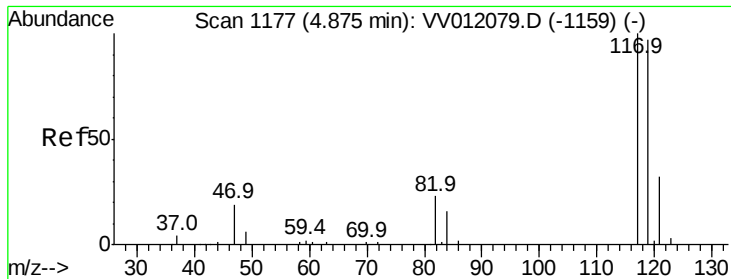
MMdadoda
8/1/2019 9:58:33 AM



#30
Cyclohexane
Concen: 0.281 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tgt Ion	Ratio	Lower	Upper
56	100		
69	11.3	26.0	39.0#
84	102.3	79.9	119.9





#31

Carbon tetrachloride

Concen: 0.290 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion:117 Resp: 3836

Ion Ratio Lower Upper

117 100

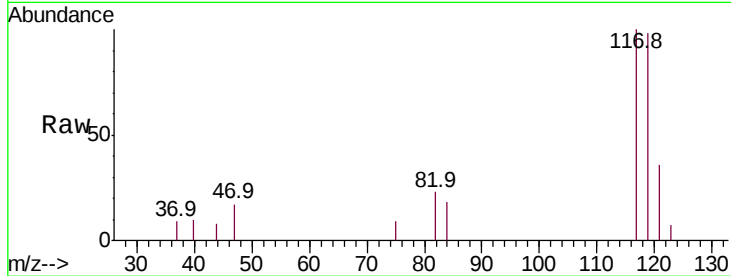
119 94.4 77.7 116.5

Manual Integrations

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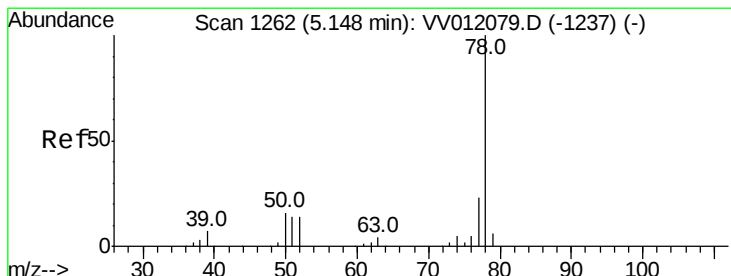
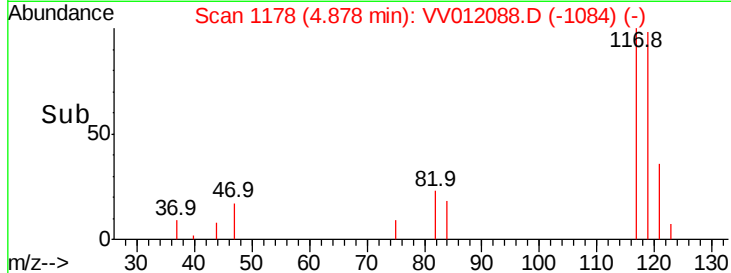
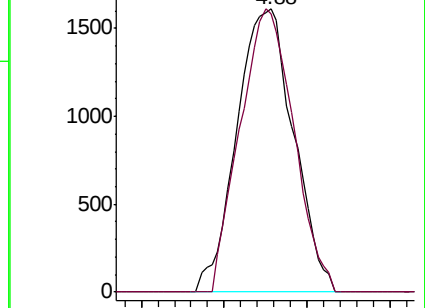
MMdadoda

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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: 0.306 ug/L m

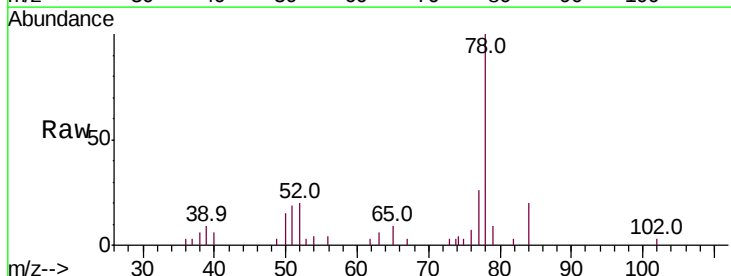
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

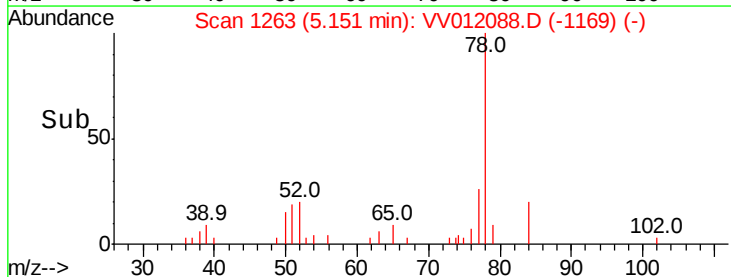
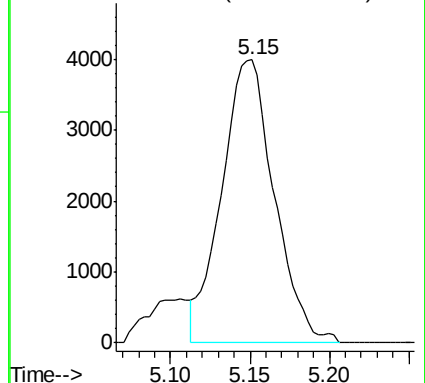
Lab File: VV012088.D

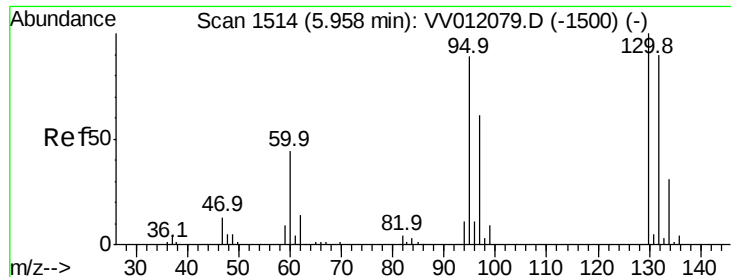
Acq: 30 Jul 2019 23:33

Tgt Ion: 78 Resp: 9214



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.295 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 95 Resp: 2555

Ion Ratio Lower Upper

95 100

97 54.2 45.4 84.2

132 85.2 67.0 124.4

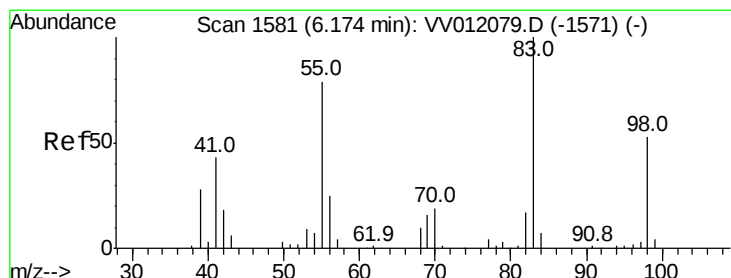
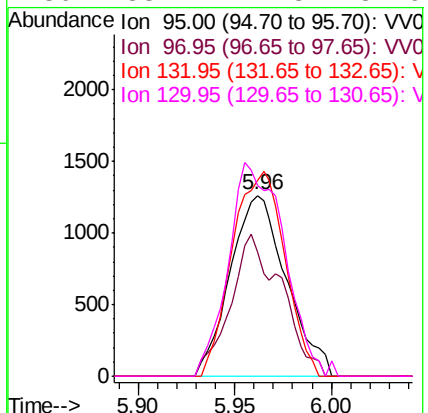
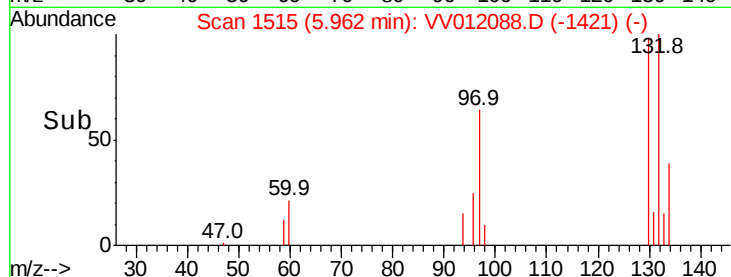
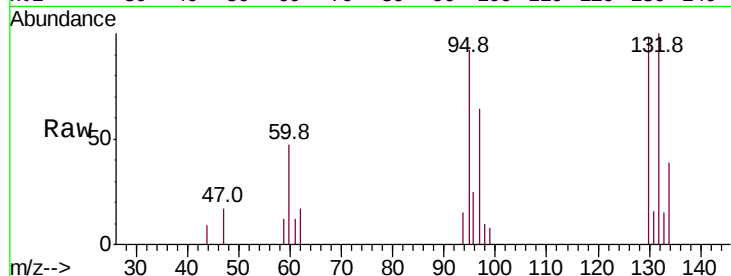
130 83.1 74.3 137.9

Manual Integrations

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#35

Methylcyclohexane

Concen: 0.288 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

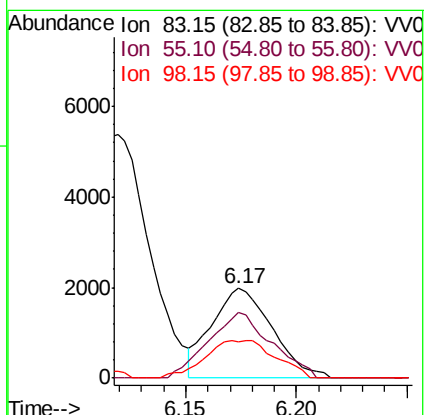
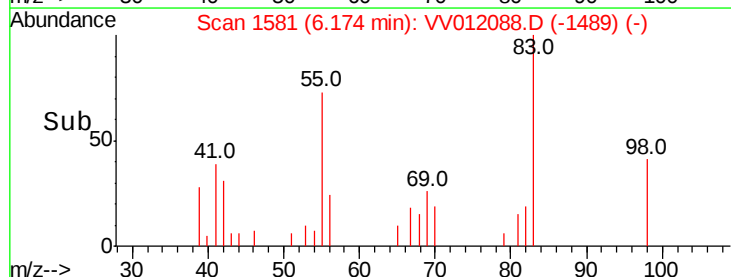
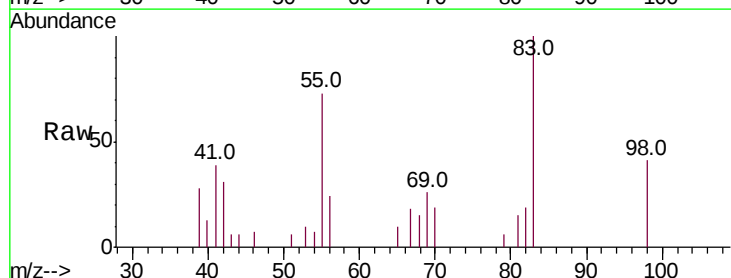
Tgt Ion: 83 Resp: 3784

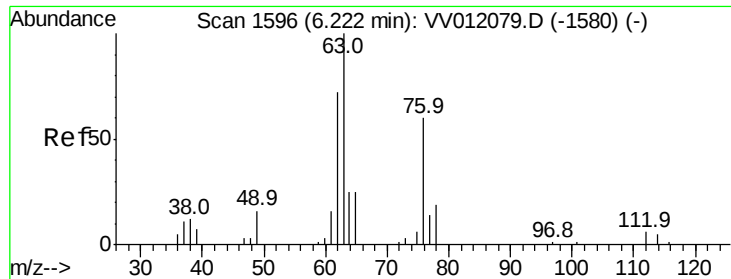
Ion Ratio Lower Upper

83 100

55 75.6 59.9 89.9

98 48.5 40.8 61.2





#37

1,2-Dichloropropane

Concen: 0.310 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 63 Resp: 2158

Ion Ratio Lower Upper

63 100

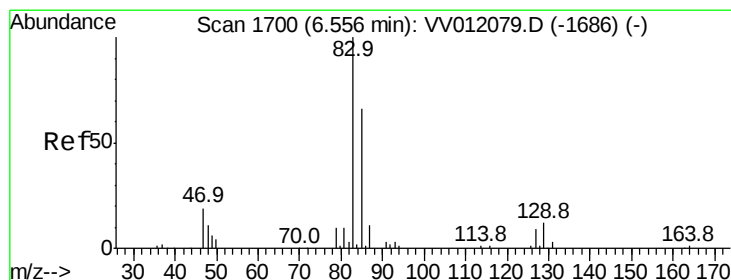
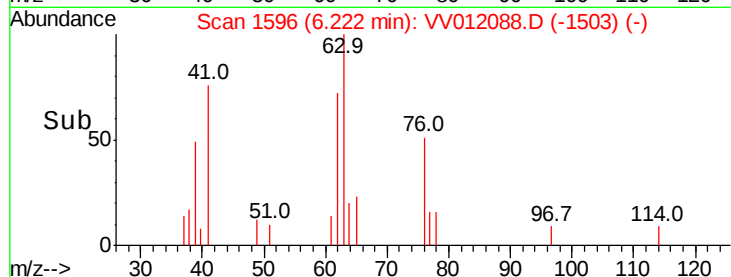
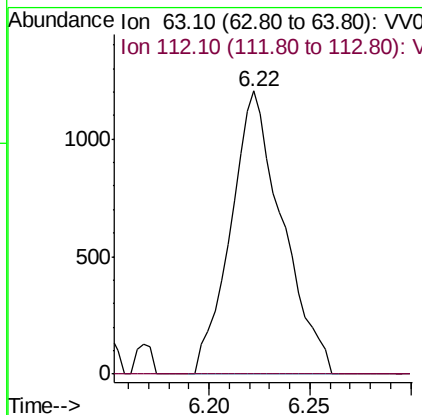
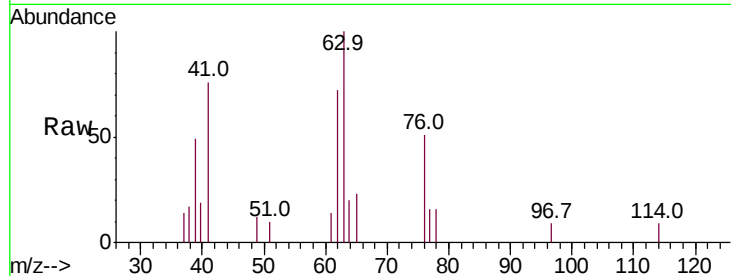
112 0.0 4.7 7.1#

Manual Integrations

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MMdadoda

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#38

Bromodichloromethane

Concen: 0.311 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

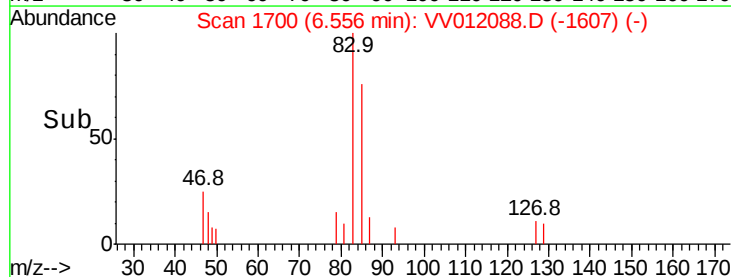
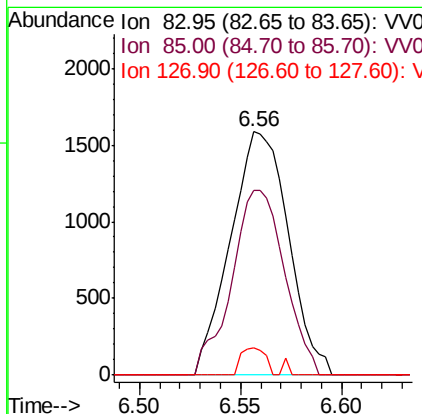
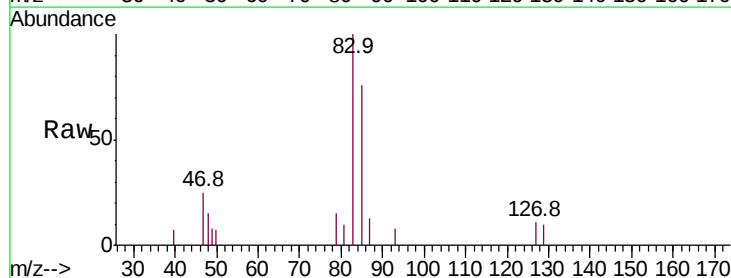
Tgt Ion: 83 Resp: 3179

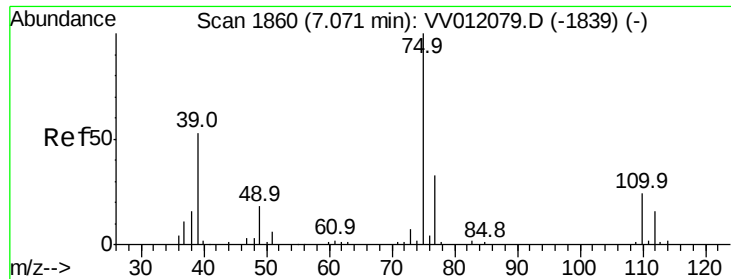
Ion Ratio Lower Upper

83 100

85 75.8 46.2 85.8

127 11.4 7.2 10.8#





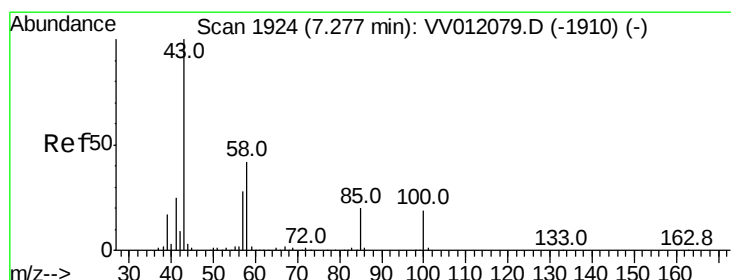
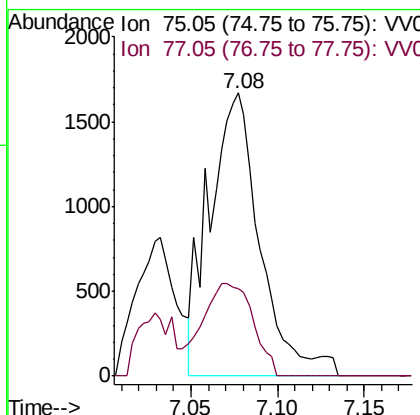
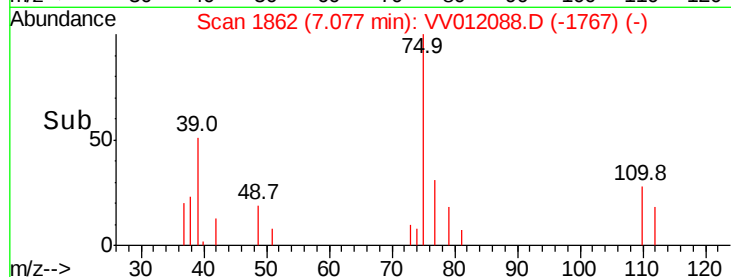
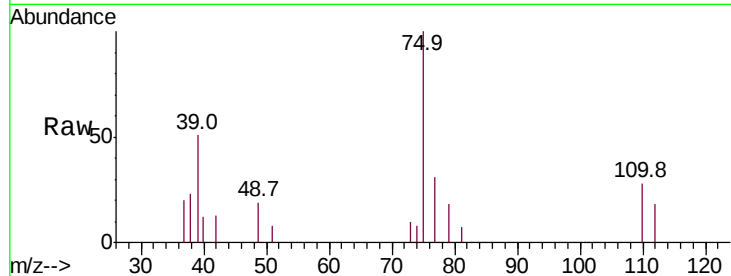
#39
 cis-1,3-Dichloropropene
 Concen: 0.316 ug/L m
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion: 75 Resp: 3422
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.3 39.5

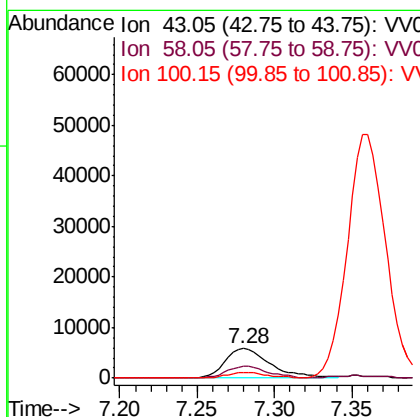
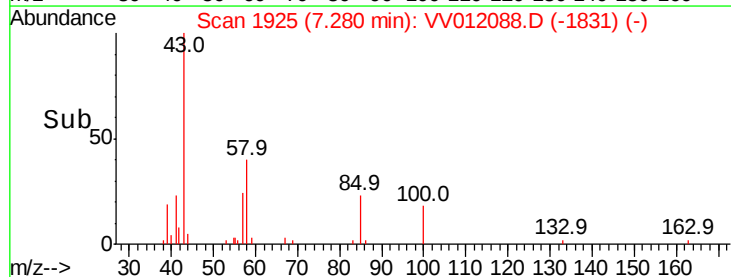
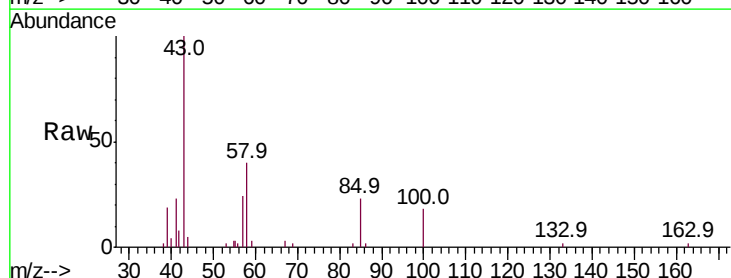
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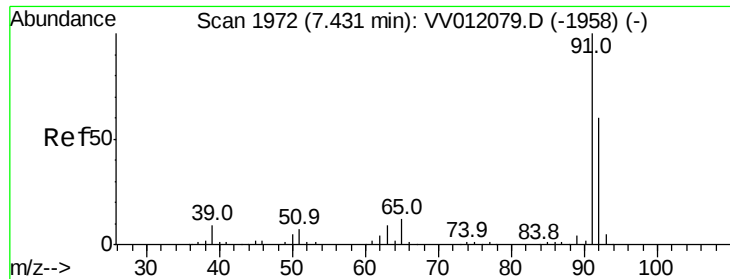
MMdadoda
 8/1/2019 9:58:33 AM



#40
 4-Methyl-2-pentanone
 Concen: 3.151 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Tgt Ion: 43 Resp: 11925
 Ion Ratio Lower Upper
 43 100
 58 37.7 31.8 47.6
 100 0.0 15.0 22.4#





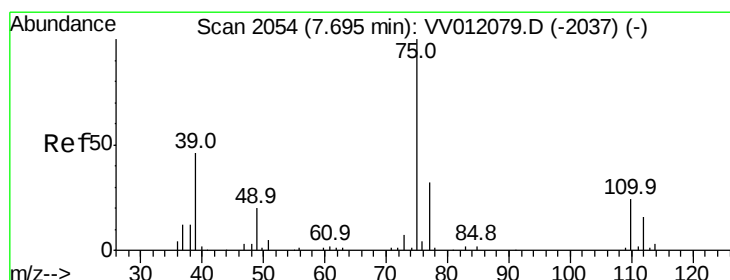
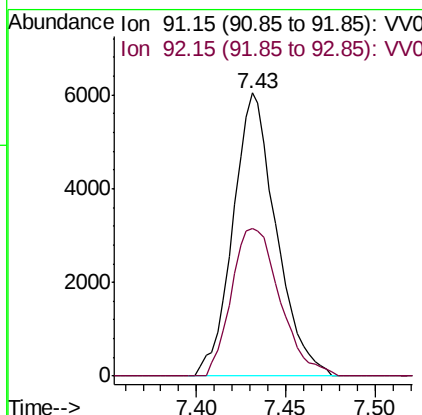
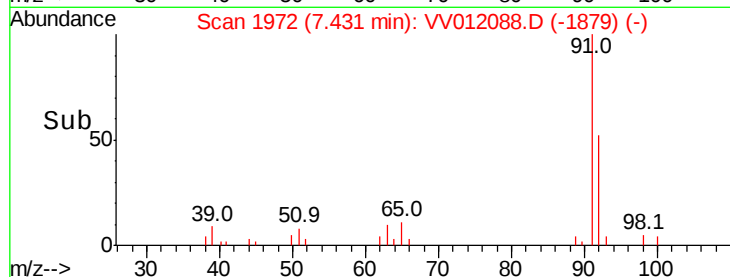
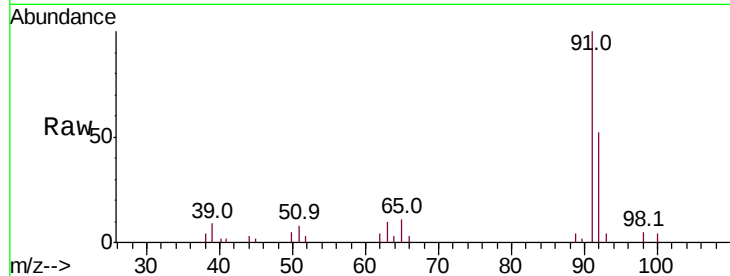
#42
Toluene
Concen: 0.310 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion: 91 Resp: 10200
Ion Ratio Lower Upper
91 100
92 52.0 41.6 77.2

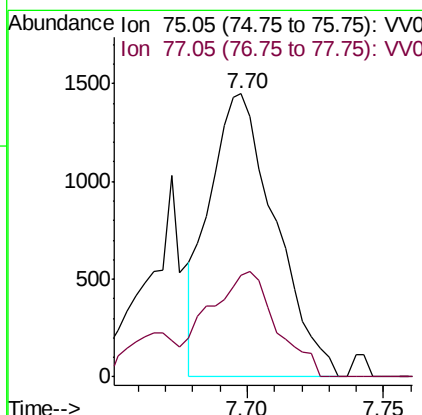
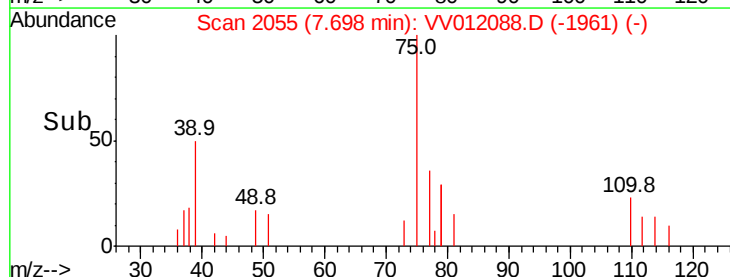
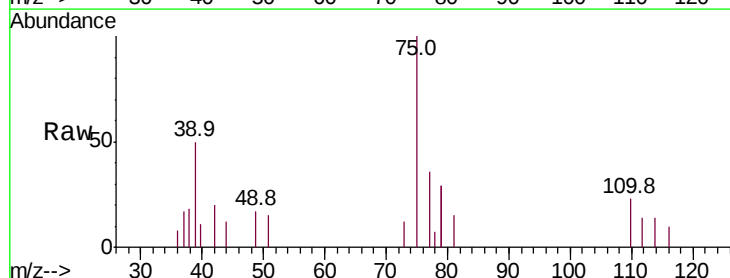
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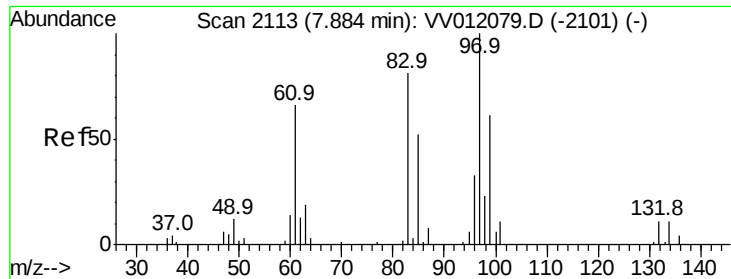
MMdadoda
8/1/2019 9:58:33 AM



#44
trans-1,3-Dichloropropene
Concen: 0.279 ug/L
RT: 7.70 min Scan# 2055
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tgt Ion: 75 Resp: 2437
Ion Ratio Lower Upper
75 100
77 35.8 22.8 42.4





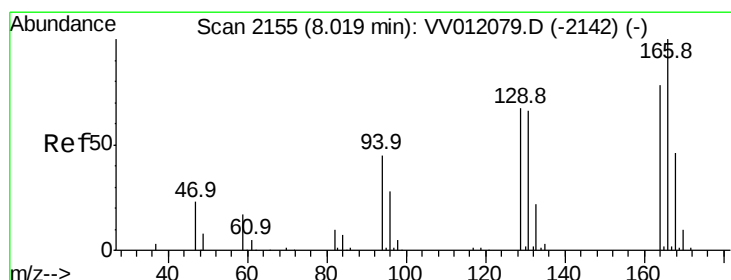
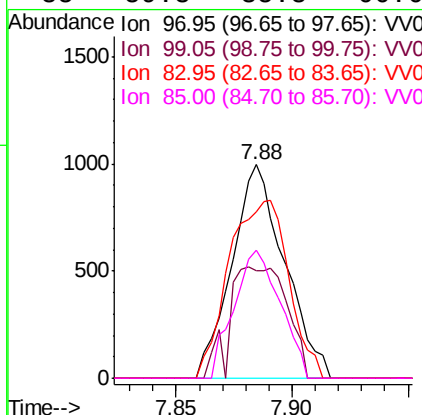
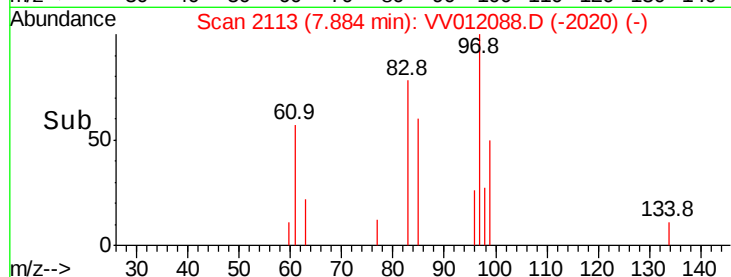
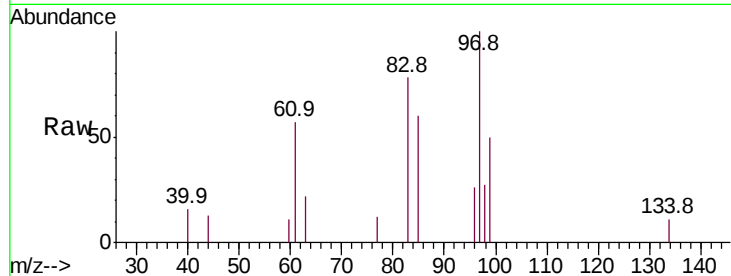
#45
 1,1,2-Trichloroethane
 Concen: 0.304 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
97	100		
99	50.2	43.3	80.3
83	77.8	56.6	105.0
85	59.8	35.8	66.6

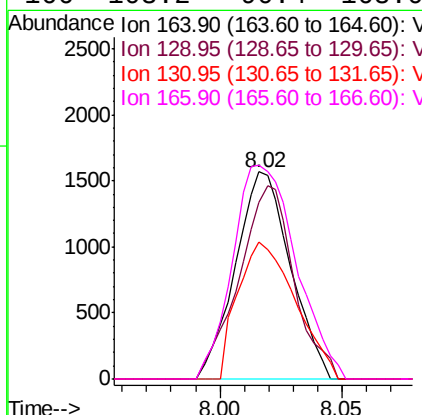
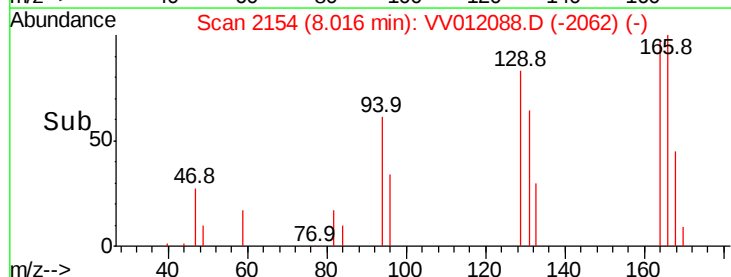
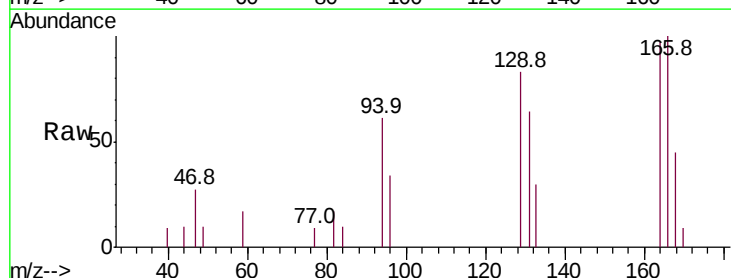
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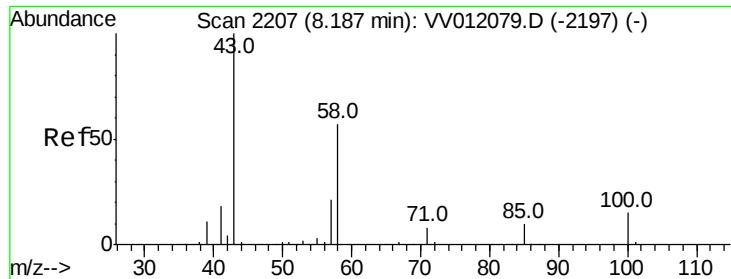
MMdadoda
 8/1/2019 9:58:33 AM



#47
 Tetrachloroethene
 Concen: 0.310 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Tgt Ion	Ratio	Lower	Upper
164	100		
129	85.4	62.5	116.1
131	66.2	60.9	113.1
166	103.2	90.4	168.0





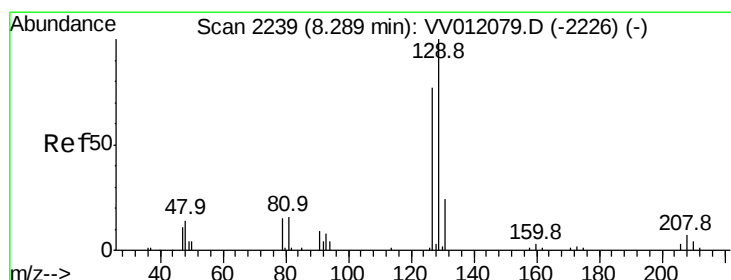
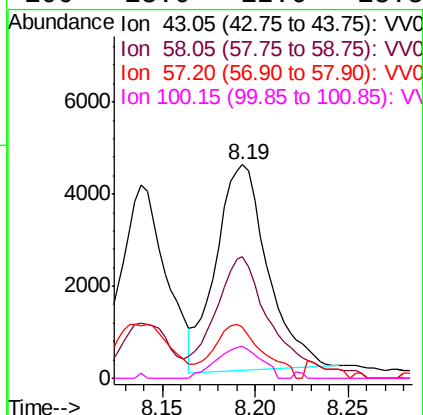
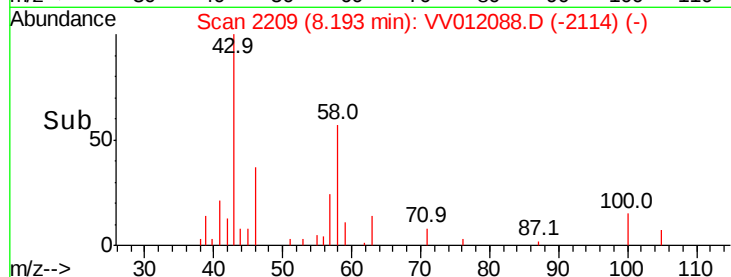
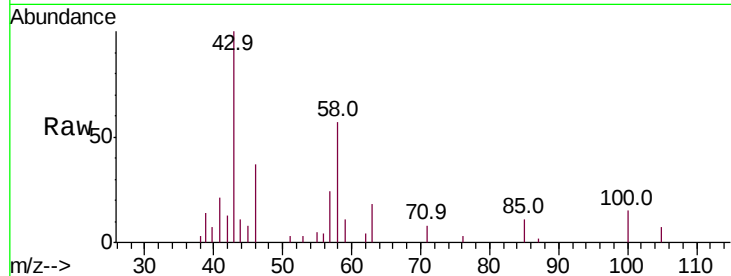
#48
2-Hexanone
Concen: 3.287 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
43	100		
58	65.5	45.7	68.5
57	24.2	17.0	25.4
100	13.0	12.6	18.8

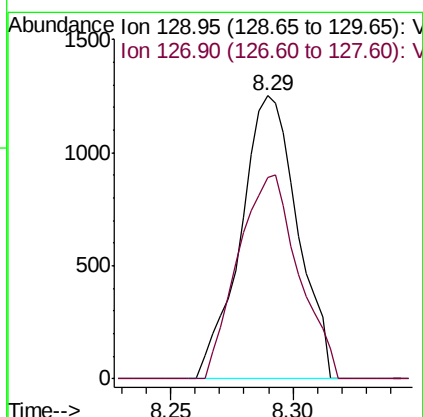
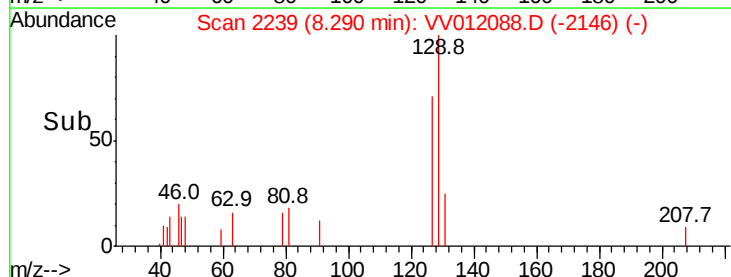
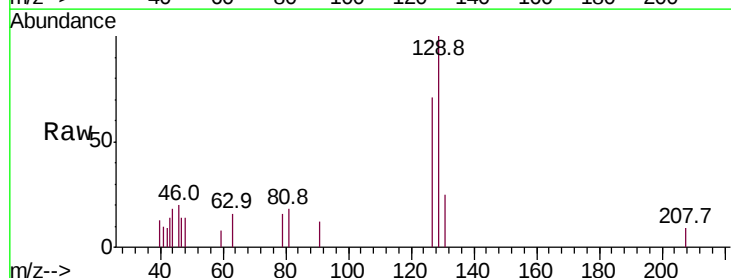
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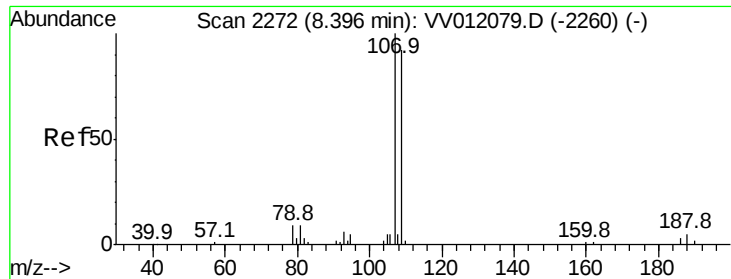
MMDadoda
8/1/2019 9:58:33 AM



#49
Dibromochloromethane
Concen: 0.300 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	71.3	52.8	98.2





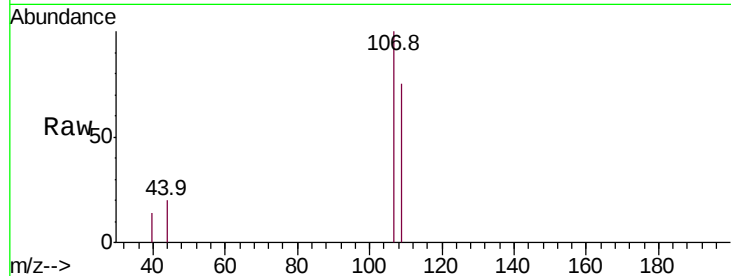
#50
1,2-Dibromoethane
Concen: 0.307 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.01 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Instrument :
MSVOA_V
ClientSampled :
MDL05

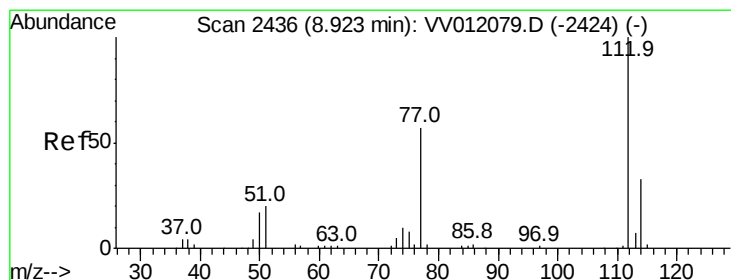
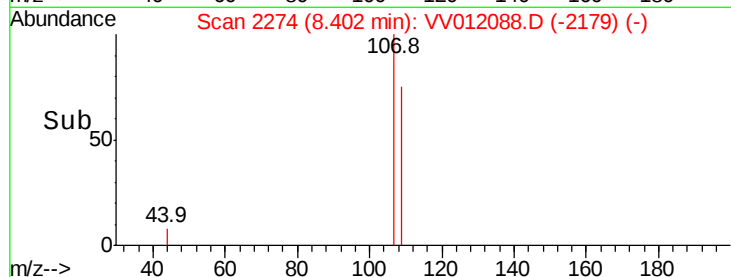
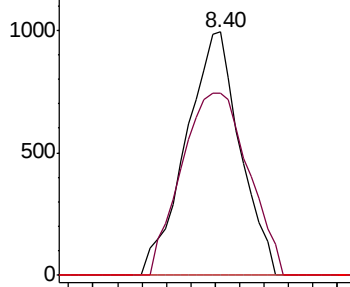
Tot Ion	Ratio	Resp	Lower	Upper
107	100	1523		
109	74.9	64.7	120.1	
188	0.0	3.4	5.0#	

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MMDadoda
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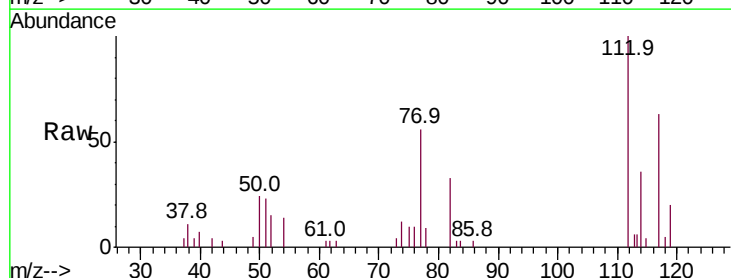


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

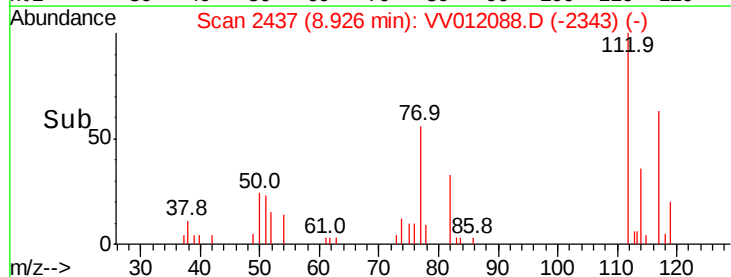
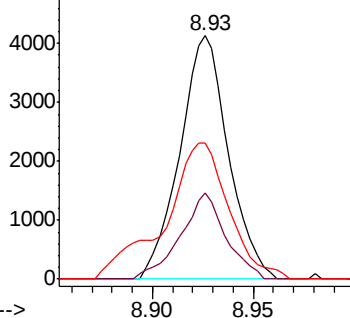


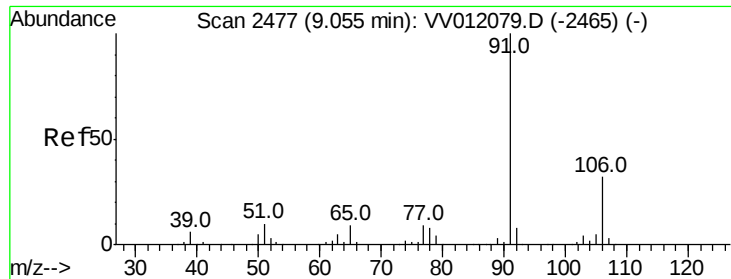
#51
Chlorobenzene
Concen: 0.311 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	6938		
114	35.5	22.4	41.6	
77	56.1	46.1	69.1	



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: 0.289 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 91 Resp: 10934

Ion Ratio Lower Upper

91 100

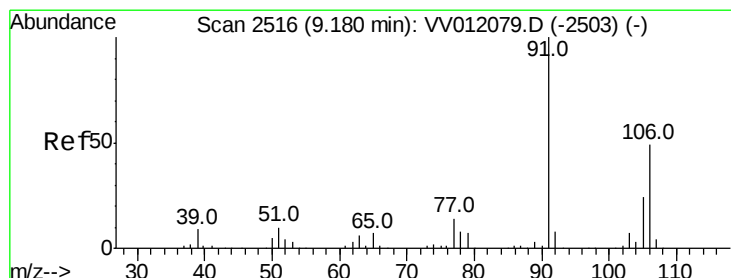
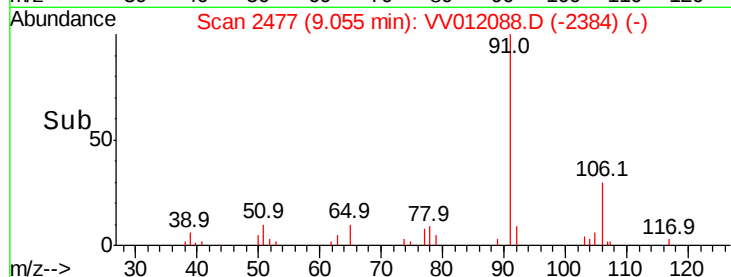
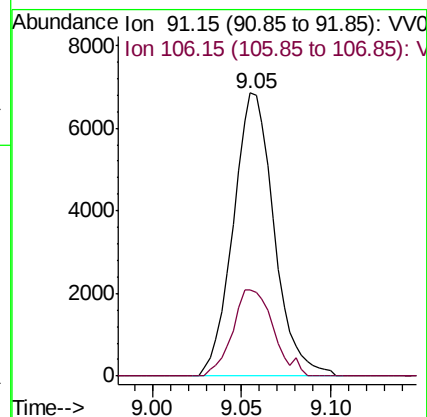
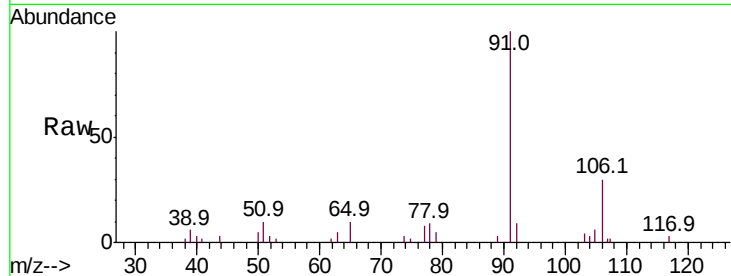
106 30.5 21.6 40.0

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#53

m,p-xylene

Concen: 0.258 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.01 min

Lab File: VV012088.D

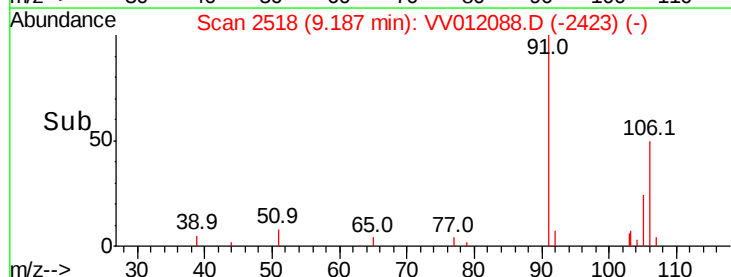
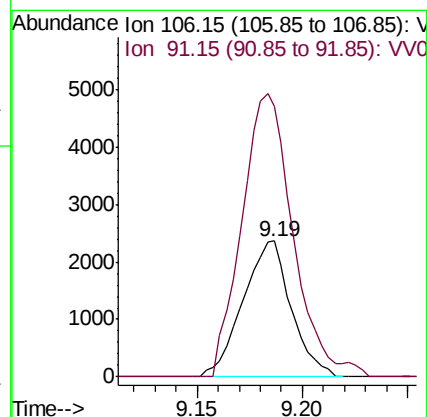
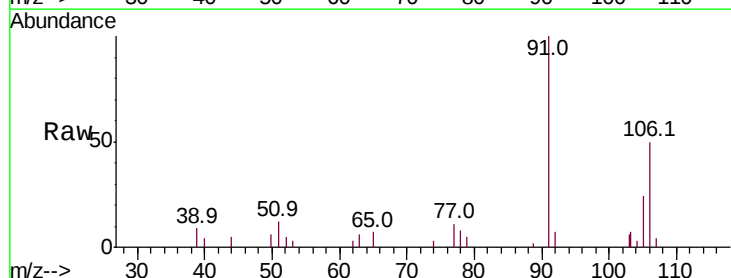
Acq: 30 Jul 2019 23:33

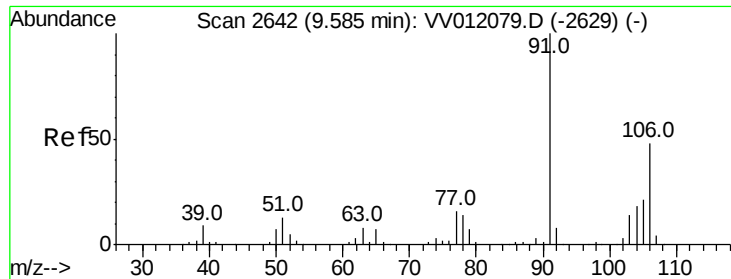
Tgt Ion: 106 Resp: 3752

Ion Ratio Lower Upper

106 100

91 199.3 148.7 276.3





#54

o-xylene

Concen: 0.306 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion:106 Resp: 4255

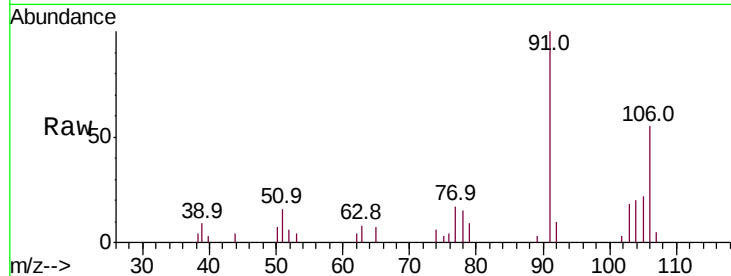
Ion Ratio Lower Upper

106 100

91 182.4 147.7 274.3

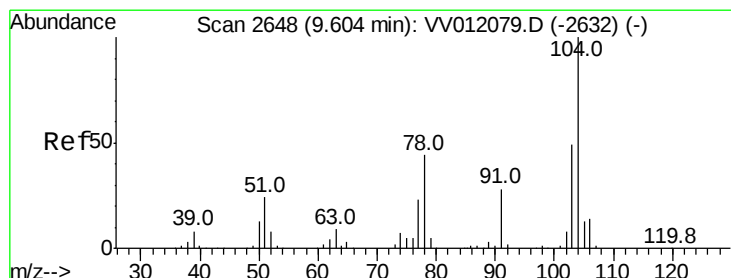
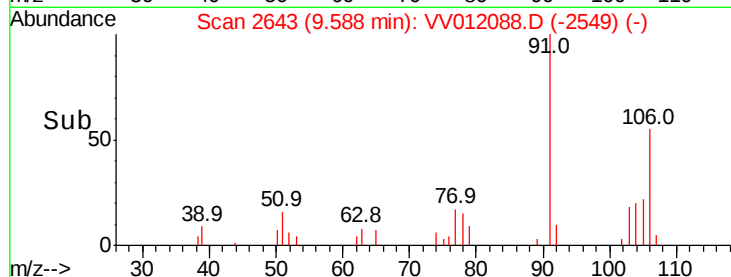
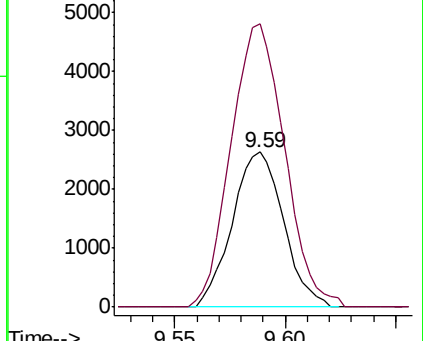
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.258 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012088.D

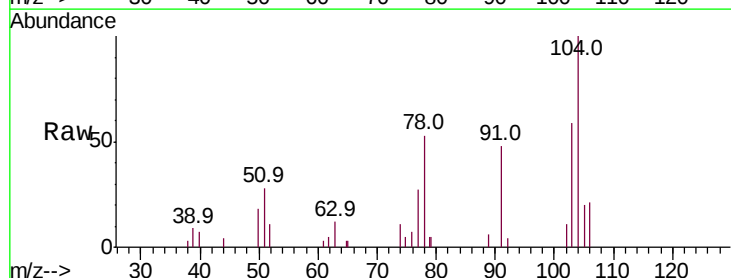
Acq: 30 Jul 2019 23:33

Tgt Ion:104 Resp: 6093

Ion Ratio Lower Upper

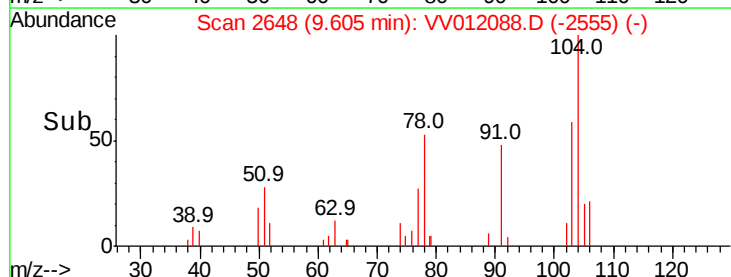
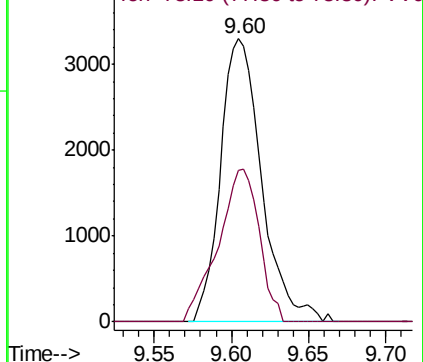
104 100

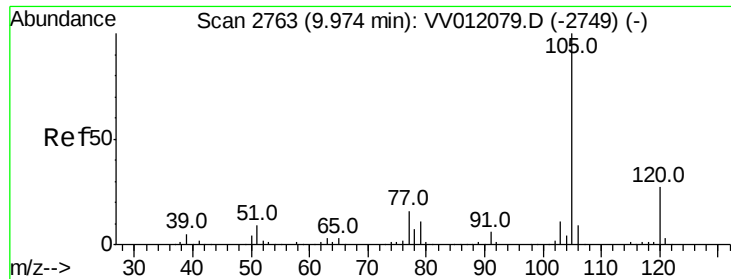
78 58.3 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.280 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

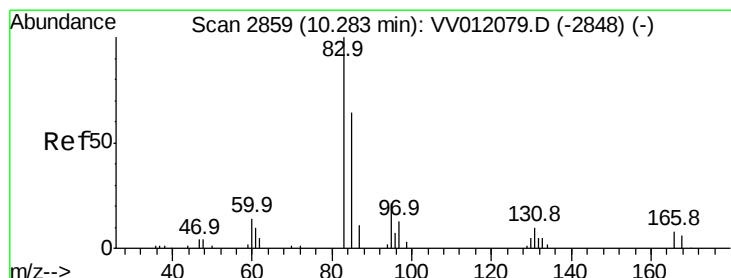
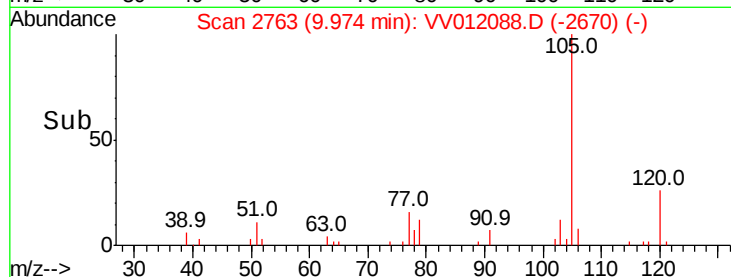
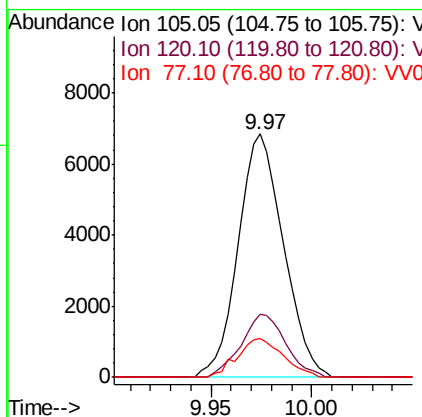
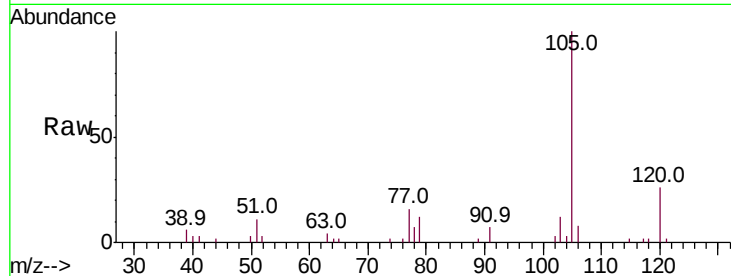
ClientSampleId :

MDL05

Tot Ion:	105	Resp:	10786
Ion Ratio	Lower	Upper	
105	100		
120	25.5	21.8	32.8
77	16.0	12.7	19.1

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.359 ug/L

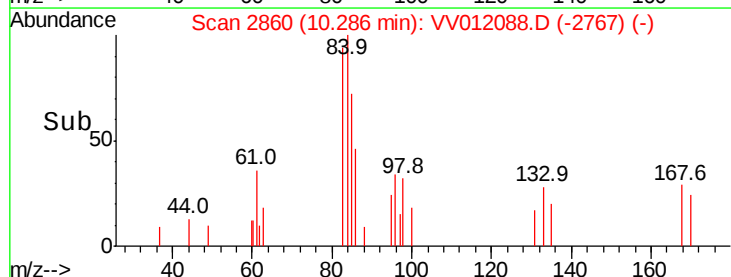
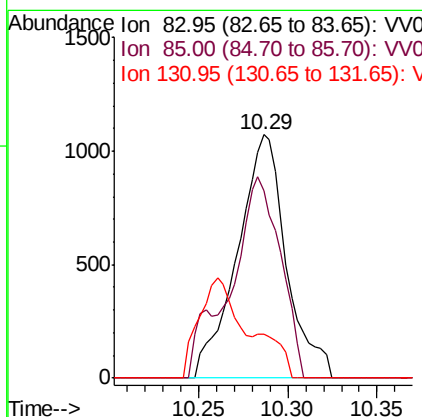
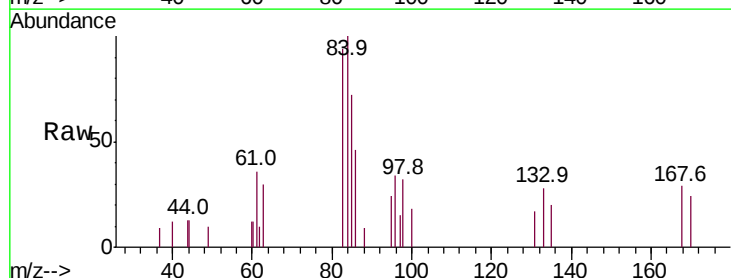
RT: 10.29 min Scan# 2860

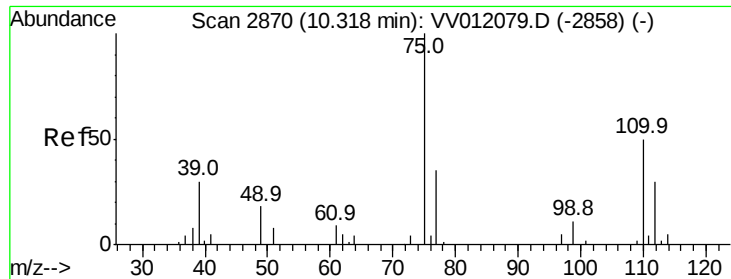
Delta R.T. 0.00 min

Lab File: VV012088.D

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Tgt Ion:	83	Resp:	2053
Ion Ratio	Lower	Upper	
83	100		
85	76.7	45.1	83.7
131	18.0	10.3	15.5#





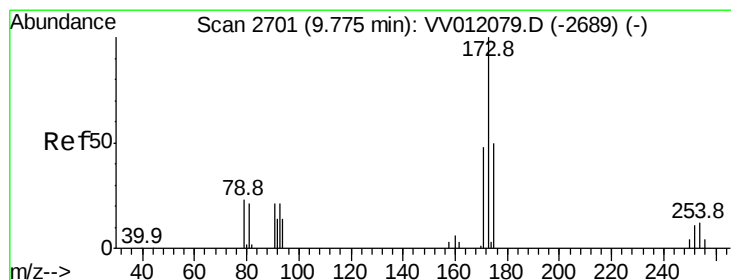
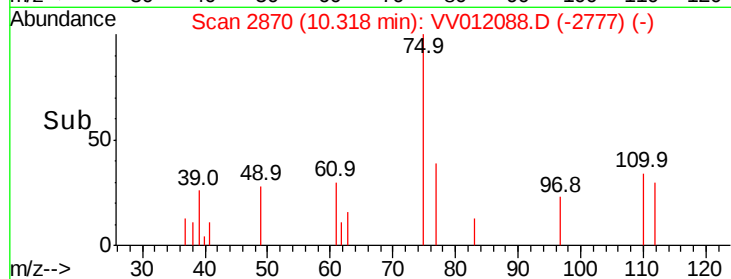
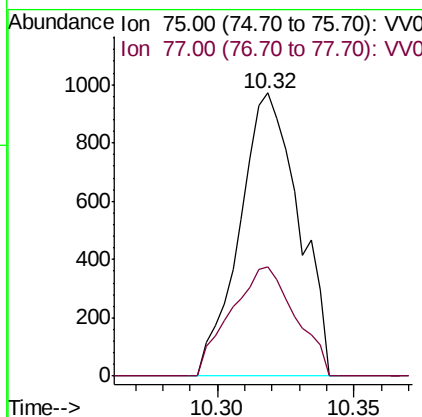
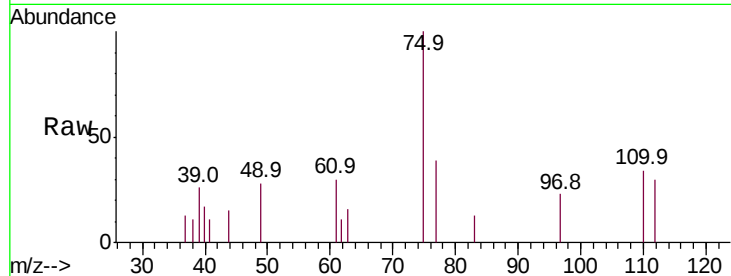
#59
 1,2,3-Trichloropropane
 Concen: 0.337 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion: 75 Resp: 1459
 Ion Ratio Lower Upper
 75 100
 77 42.3 26.9 40.3#

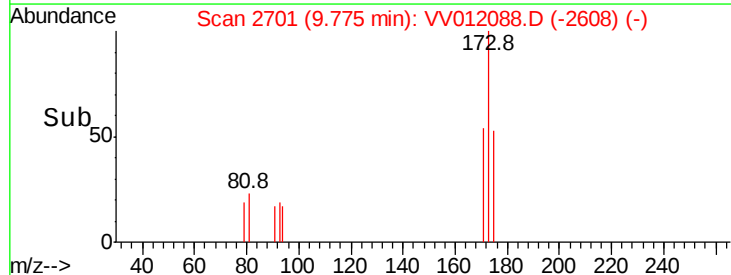
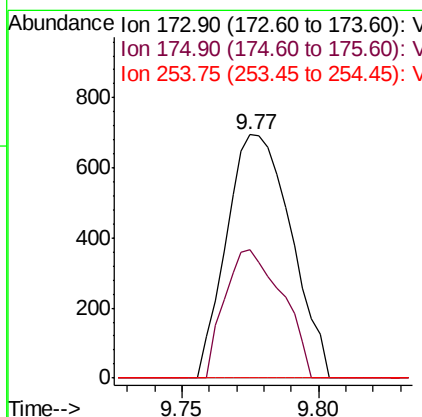
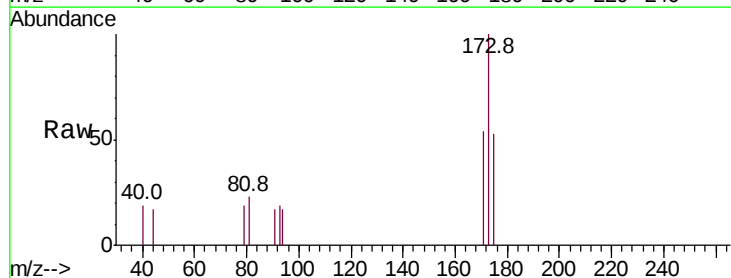
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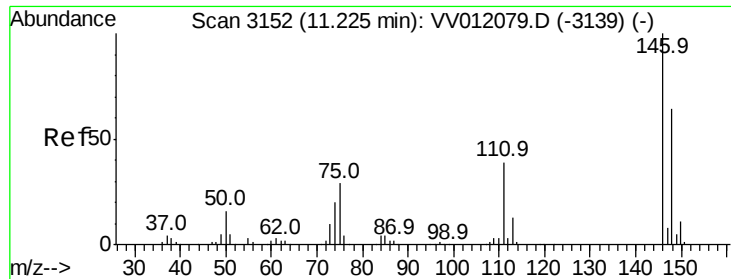
MMdadoda
 8/1/2019 9:58:33 AM



#61
 Bromoform
 Concen: 0.323 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Tgt Ion: 173 Resp: 1142
 Ion Ratio Lower Upper
 173 100
 175 47.2 39.4 59.2
 254 0.0 8.7 13.1#





#62

1,3-Dichlorobenzene

Concen: 0.319 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

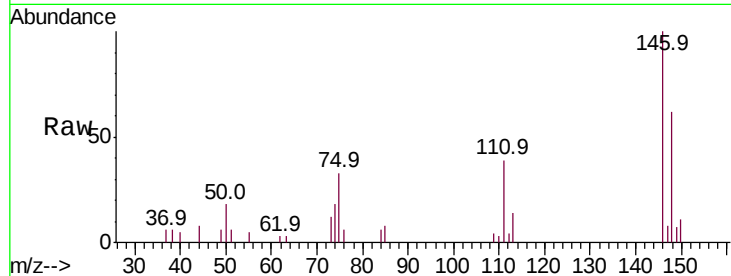
ClientSampleId :

MDL05

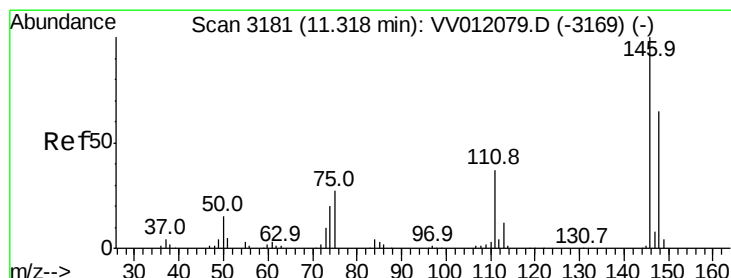
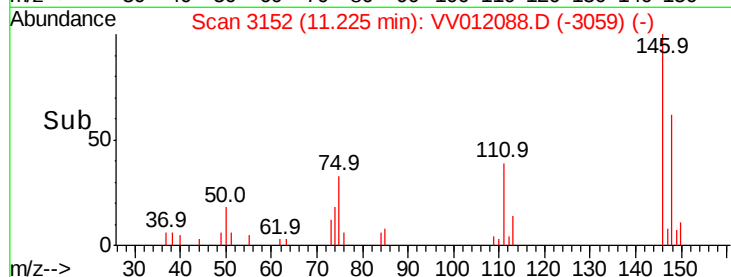
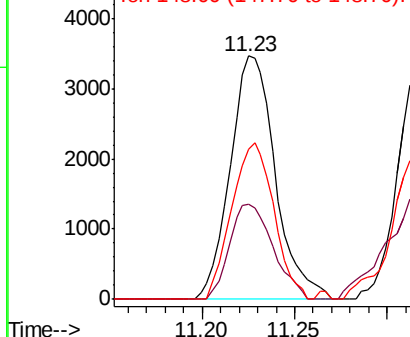
Tot Ion:	146	Resp:	5855
Ion Ratio	Lower	Upper	
146	100		
111	39.2	27.2	50.6
148	61.6	45.9	85.3

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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



#63

1,4-Dichlorobenzene

Concen: 0.326 ug/L

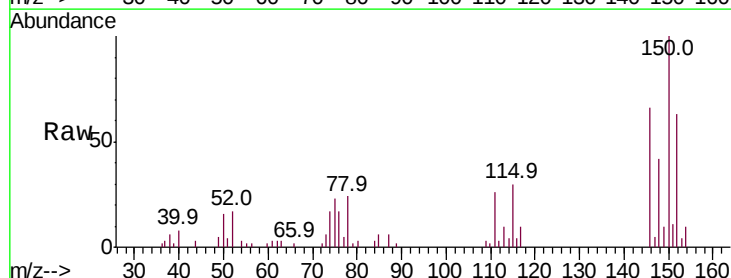
RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

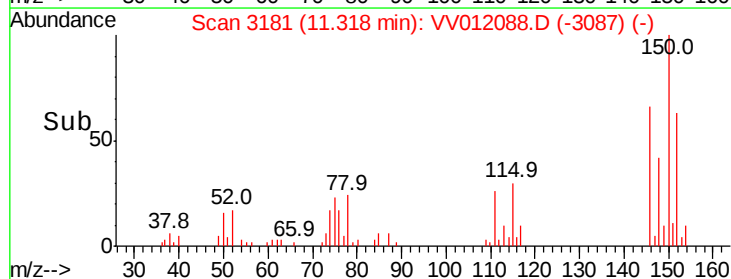
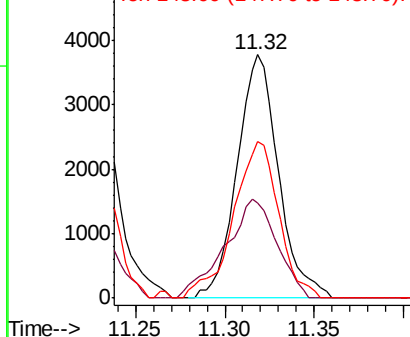
Lab File: VV012088.D

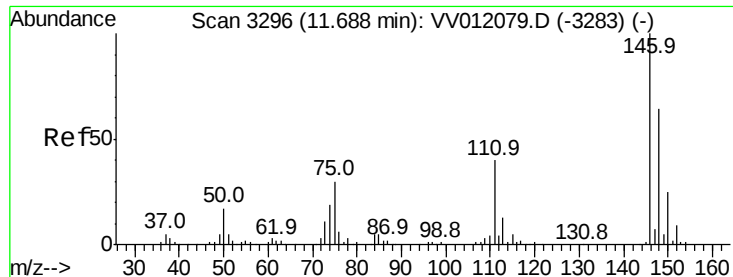
Acq: 30 Jul 2019 23:33

Tgt Ion:	146	Resp:	6110
Ion Ratio	Lower	Upper	
146	100		
111	39.2	25.4	47.2
148	64.1	43.5	80.7



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

1,2-Dichlorobenzene

Concen: 0.338 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion:146 Resp: 5609

Ion Ratio Lower Upper

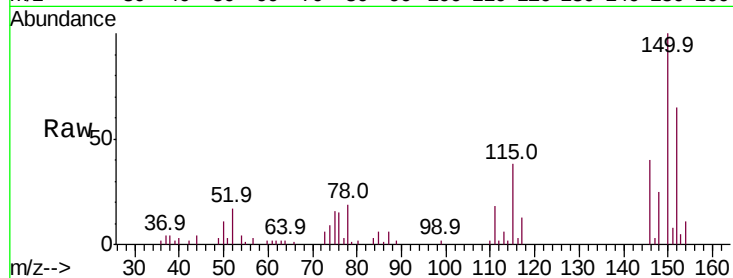
146 100

111 44.7 32.3 48.5

148 63.9 49.9 74.9

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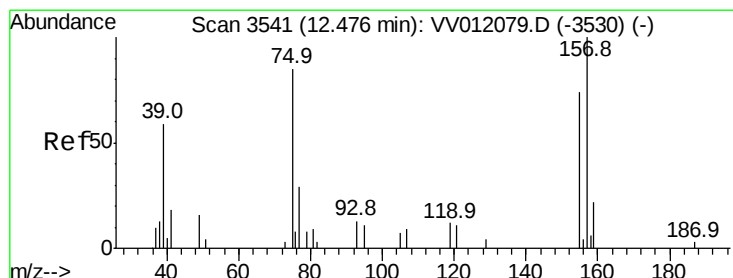
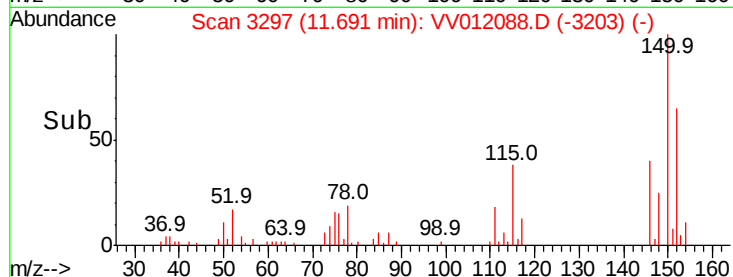
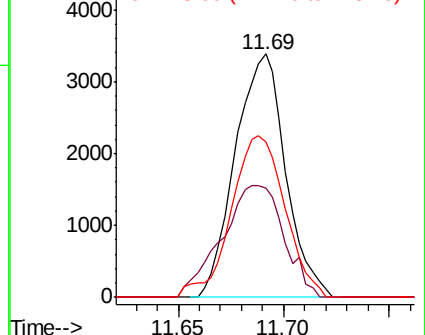
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Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.416 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012088.D

Acq: 30 Jul 2019 23:33

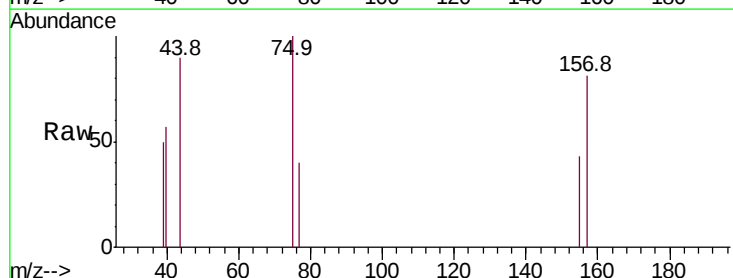
Tgt Ion: 75 Resp: 370

Ion Ratio Lower Upper

75 100

155 43.1 66.9 100.3#

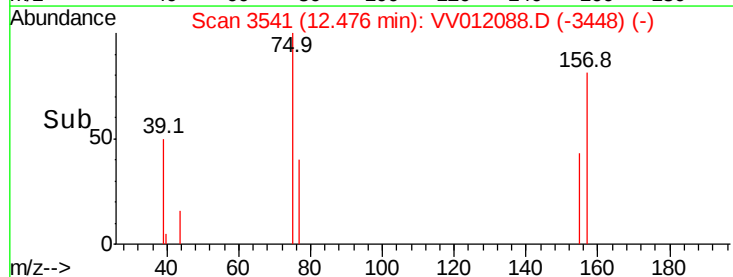
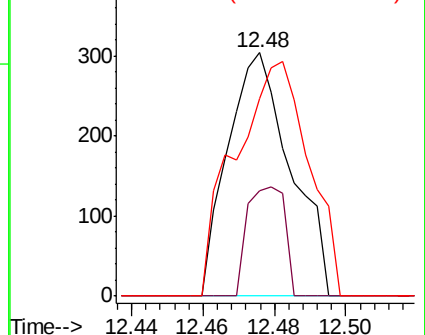
157 81.3 81.8 122.6#

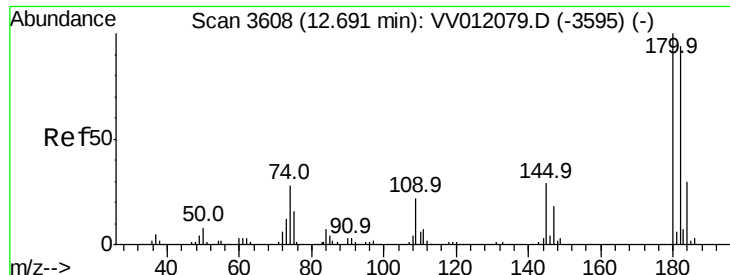


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





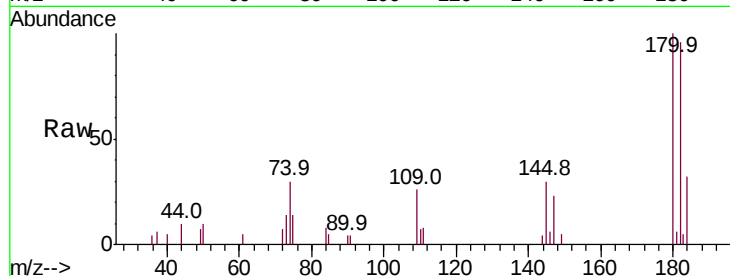
#67
 1,3,5-Trichlorobenzene
 Concen: 0.322 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
184	29.6	23.8	35.8
145	30.9	22.6	33.8

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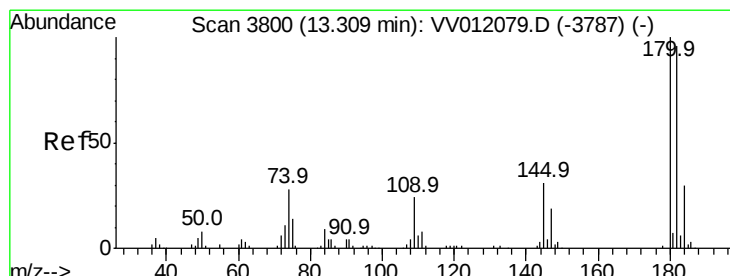
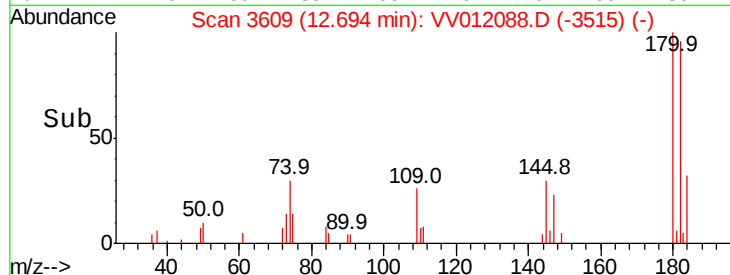
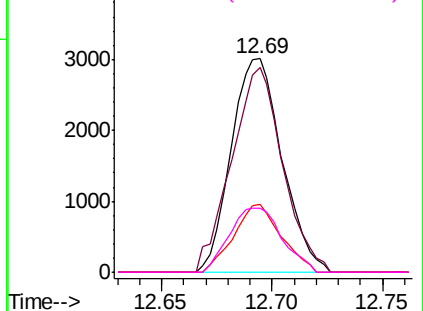
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.308 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV012088.D
 Acq: 30 Jul 2019 23:33

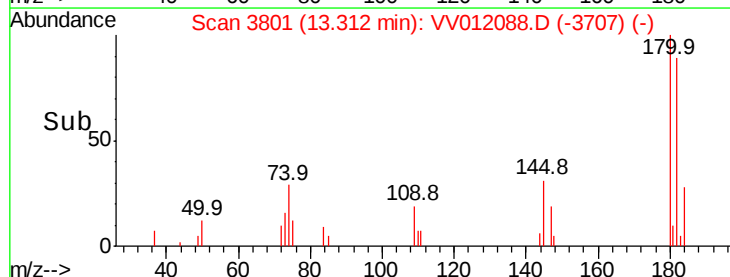
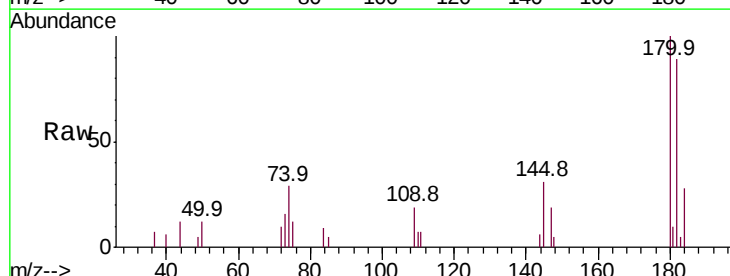
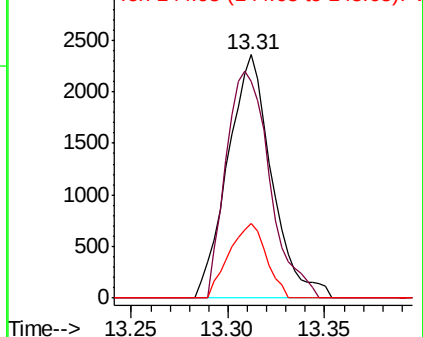
Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	75.4	113.0
145	26.0	23.5	35.3

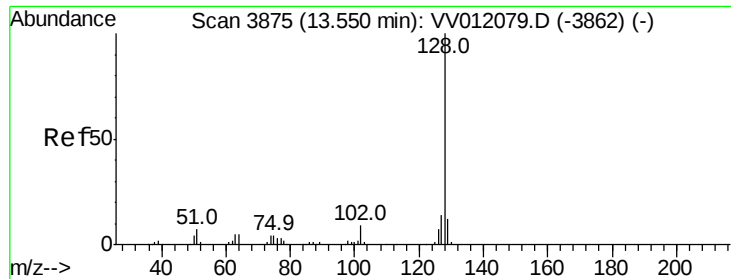
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





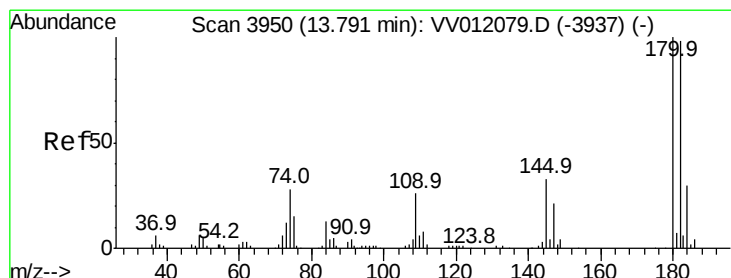
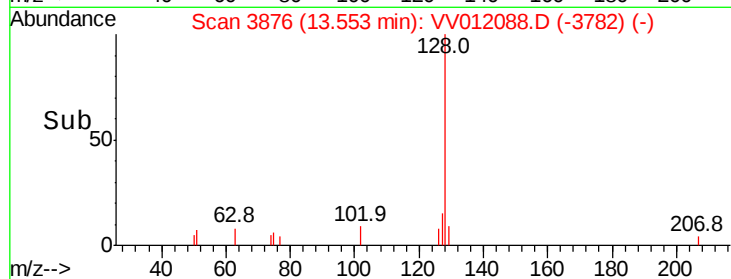
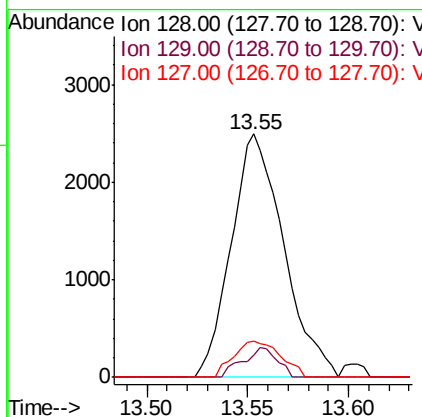
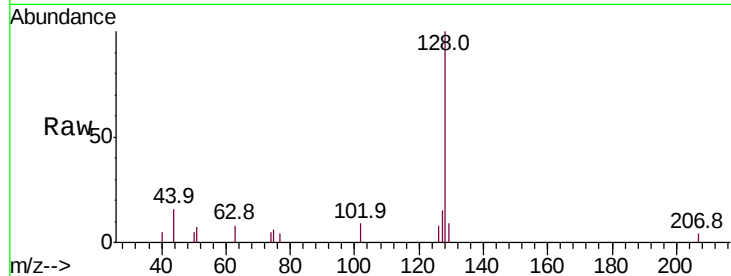
#69
Naphthalene
Concen: 0.278 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
128	100		
129	8.1	8.4	12.6#
127	13.4	10.0	15.0

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#70
1,2,3-Trichlorobenzene
Concen: 0.326 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV012088.D
Acq: 30 Jul 2019 23:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	76.5	114.7
145	28.3	24.4	36.6

