

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073119\
 Data File : VV012090.D
 Acq On : 31 Jul 2019 00:23
 Operator : SY/MD
 Sample : MDL07
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMdadoda
 8/1/2019 9:58:43 AM

Quant Time: Jul 31 06:45:05 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	5.67	114	113207	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	109808	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	56181	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25092	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.58	69	19323	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.13	63	41288	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	3.97	46	72225	48.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.90%
24) Chloroform-d	4.40	84	67431	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.08	65	39731	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.10	84	134481	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.12	67	36293	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.36	98	125323	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	7.66	79	15725	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.14	63	56250	48.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.98%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	26837	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	52553	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3873	0.309 ug/L	96
3) Chloromethane	1.25	50	1811	0.302 ug/L	92
5) Vinyl chloride	1.32	62	1936	0.296 ug/L #	58
6) Bromomethane	1.54	94	1274	0.314 ug/L	89
8) Chloroethane	1.60	64	1413	0.387 ug/L	99
9) Trichlorofluoromethane	1.77	101	4038	0.318 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2021	0.373 ug/L #	87
12) 1,1-Dichloroethene	2.14	96	1907	0.384 ug/L #	1
13) Acetone	2.25	43	2502	3.332 ug/L	77
14) Carbon disulfide	2.32	76	4426	0.326 ug/L #	87
15) Methyl Acetate	2.46	43	541m	0.317 ug/L	
16) Methylene chloride	2.54	84	2055	0.398 ug/L	86
17) Methyl tert-butyl Ether	2.81	73	5060	0.306 ug/L #	91
18) trans-1,2-Dichloroethene	2.79	96	2422	0.327 ug/L	97
19) 1,1-Dichloroethane	3.23	63	4452	0.338 ug/L	91
21) 2-Butanone	4.06	43	4502m	3.024 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	2462	0.310 ug/L	95

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Manual Integrations
 APPROVED

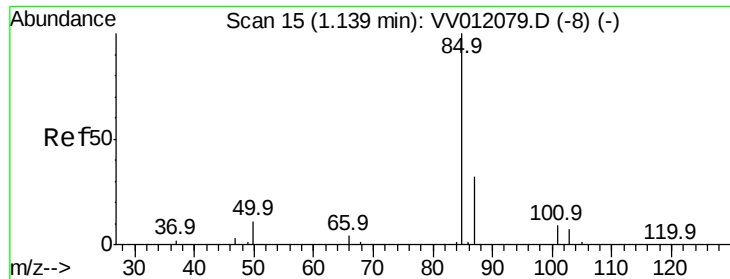
MMdadoda
 8/1/2019 9:58:43 AM

Quant Time: Jul 31 06:45:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

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

23) Bromochloromethane	4.30	128	1024	0.287	ug/L	94
25) Chloroform	4.43	83	11913	0.697	ug/L	100
27) 1,2-Dichloroethane	5.18	62	3252	0.346	ug/L #	91
29) 1,1,1-Trichloroethane	4.66	97	4766	0.334	ug/L	97
30) Cyclohexane	4.72	56	3585	0.330	ug/L	94
31) Carbon tetrachloride	4.87	117	3653	0.285	ug/L	100
33) Benzene	5.14	78	9349m	0.321	ug/L	
34) Trichloroethene	5.96	95	2940	0.350	ug/L	81
35) Methylcyclohexane	6.18	83	3766	0.296	ug/L	99
37) 1,2-Dichloropropane	6.22	63	2158	0.321	ug/L #	89
38) Bromodichloromethane	6.56	83	3173	0.321	ug/L #	97
39) cis-1,3-Dichloropropene	7.07	75	3112	0.297	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	10617	2.898	ug/L #	84
42) Toluene	7.43	91	10507	0.330	ug/L	96
44) trans-1,3-Dichloropropene	7.70	75	2523	0.298	ug/L	93
45) 1,1,2-Trichloroethane	7.88	97	1366	0.272	ug/L	85
47) Tetrachloroethene	8.02	164	2430	0.318	ug/L	85
48) 2-Hexanone	8.19	43	8016	3.145	ug/L	99
49) Dibromochloromethane	8.29	129	1989	0.305	ug/L	86
50) 1,2-Dibromoethane	8.40	107	1579	0.329	ug/L #	96
51) Chlorobenzene	8.93	112	6709	0.311	ug/L	99
52) Ethylbenzene	9.05	91	11712	0.319	ug/L	100
53) m,p-xylene	9.18	106	3770	0.268	ug/L	94
54) o-xylene	9.59	106	4076	0.302	ug/L	88
55) Styrene	9.60	104	6160	0.269	ug/L	98
56) Isopropylbenzene	9.97	105	10485	0.281	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	1693	0.306	ug/L #	94
59) 1,2,3-Trichloropropane	10.32	75	1175	0.281	ug/L	95
61) Bromoform	9.77	173	989	0.296	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	5614	0.324	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	5709	0.323	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	6018	0.385	ug/L #	87
66) 1,2-Dibromo-3-chloropropan	12.48	75	368	0.438	ug/L #	76
67) 1,3,5-Trichlorobenzene	12.69	180	4944	0.349	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	3451	0.301	ug/L	97
69) Naphthalene	13.55	128	4067	0.264	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	2831	0.278	ug/L	93

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



#2

Dichlorodifluoromethane

Concen: 0.309 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012090.D

Acq: 31 Jul 2019 00:23

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 85 Resp: 3873

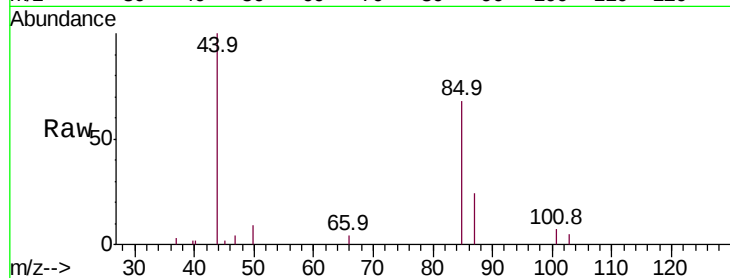
Ion Ratio Lower Upper

85 100

87 34.3 25.6 38.4

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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

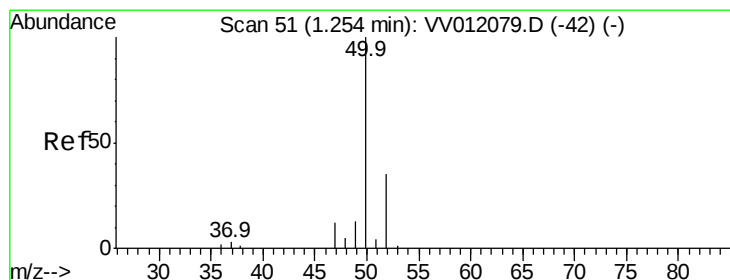
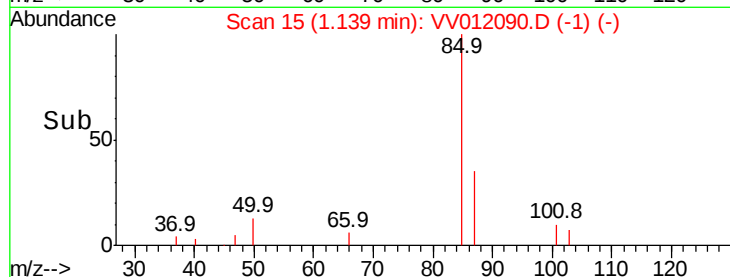
2000

1000

0

Time-->

1.10 1.12 1.14 1.16 1.18



#3

Chloromethane

Concen: 0.302 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012090.D

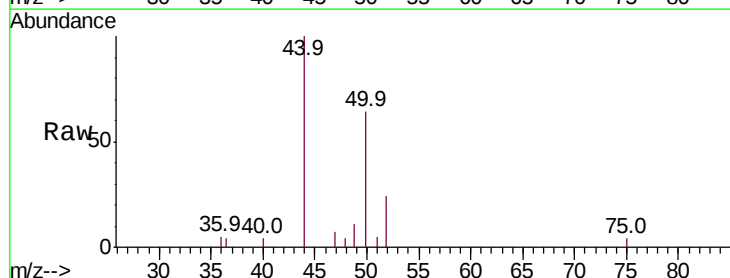
Acq: 31 Jul 2019 00:23

Tgt Ion: 50 Resp: 1811

Ion Ratio Lower Upper

50 100

52 38.1 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

1500

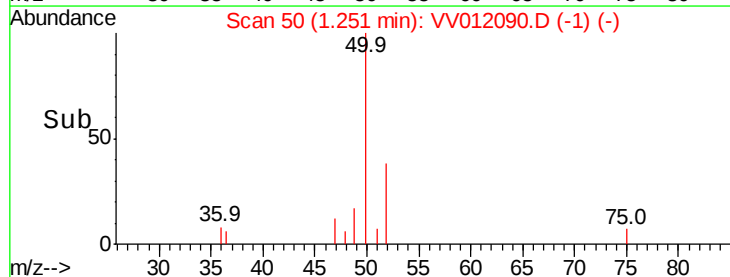
1000

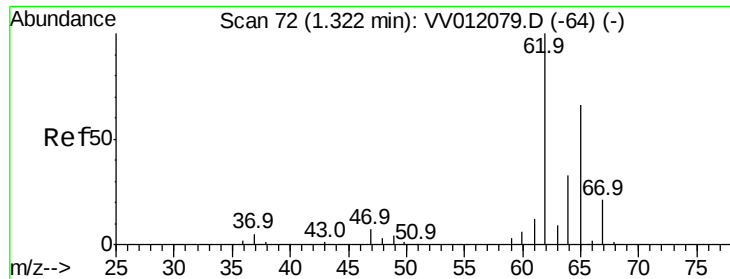
500

0

Time-->

1.22 1.24 1.26 1.28





#5

Vinyl chloride

Concen: 0.296 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012090.D

Acq: 31 Jul 2019 00:23

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 62 Resp: 1936

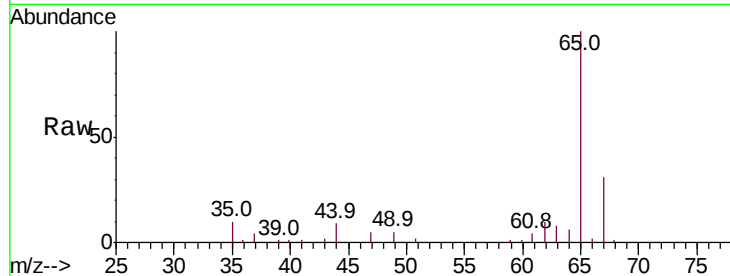
Ion Ratio Lower Upper

62 100

64 59.2 24.3 45.1#

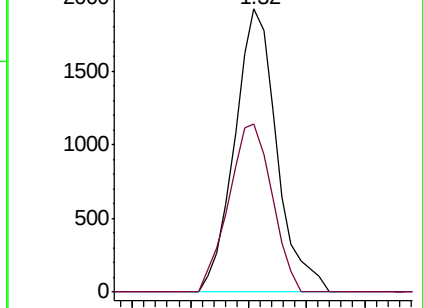
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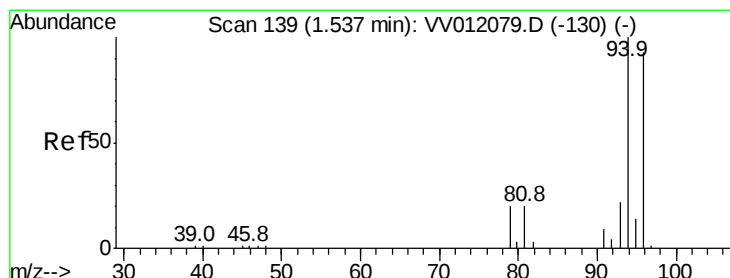
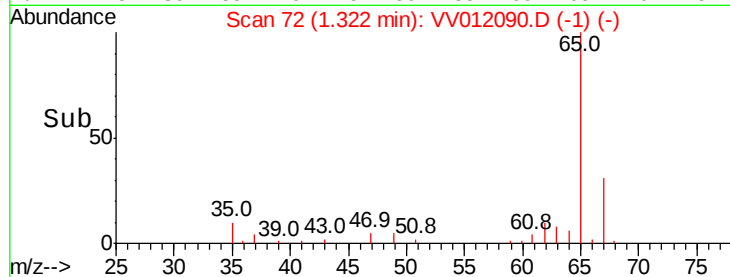


Abundance Ion 62.00 (61.70 to 62.70): VV012079.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV012079.D (-64) (-)



Time-->



#6

Bromomethane

Concen: 0.314 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012090.D

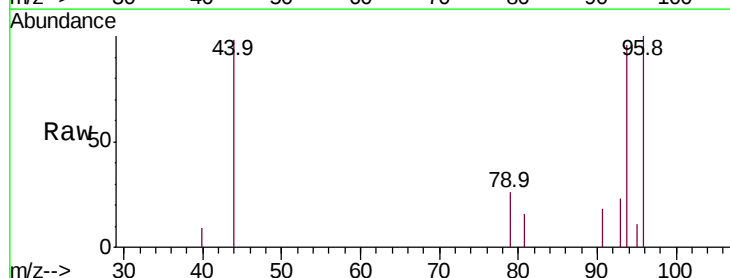
Acq: 31 Jul 2019 00:23

Tgt Ion: 94 Resp: 1274

Ion Ratio Lower Upper

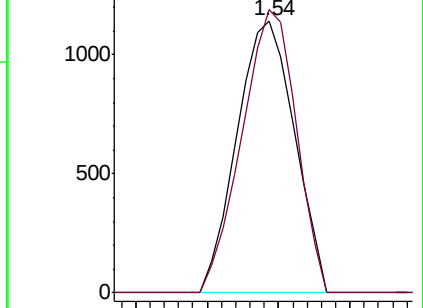
94 100

96 104.0 65.6 121.8

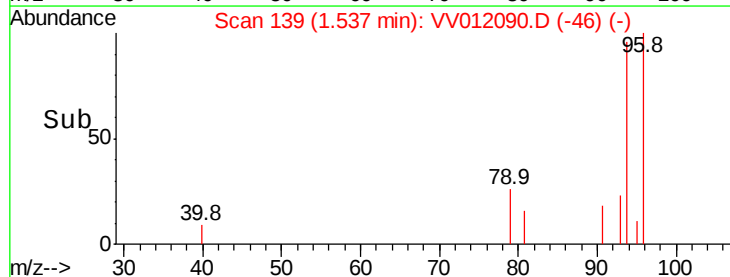


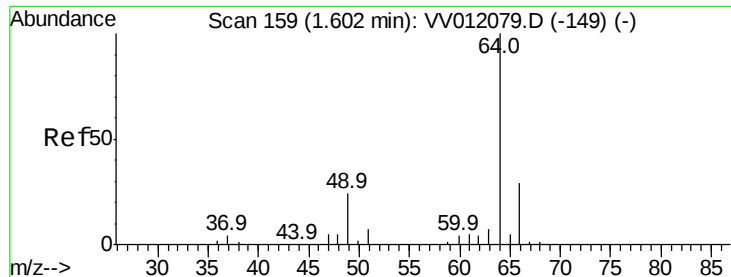
Abundance Ion 94.00 (93.70 to 94.70): VV012079.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV012079.D (-130) (-)



Time-->





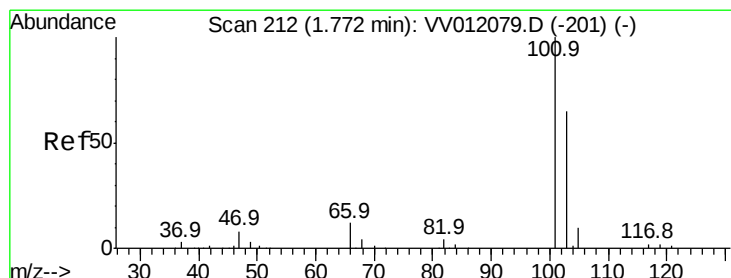
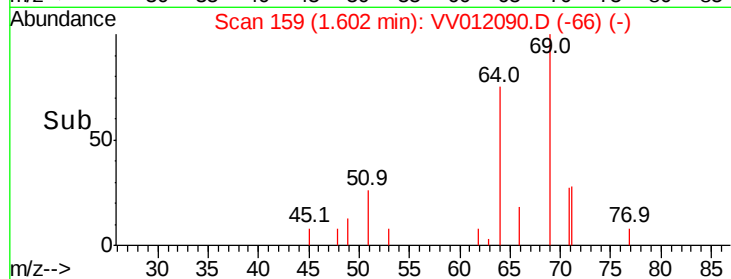
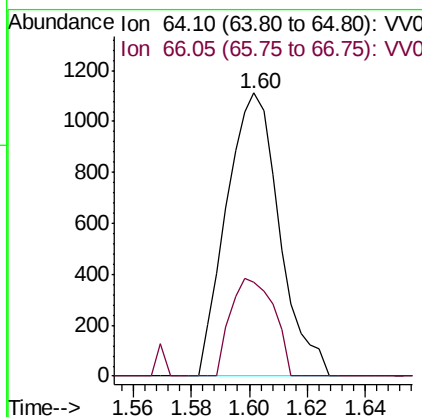
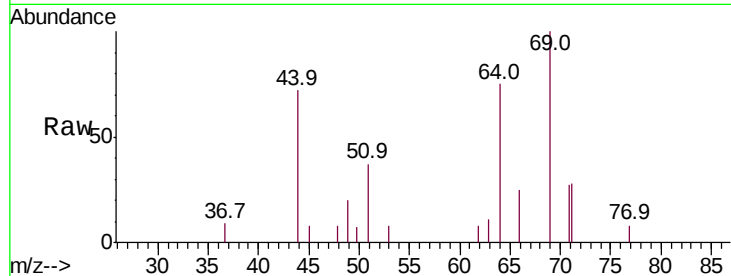
#8
Chloroethane
Concen: 0.387 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV012090.D
Acq: 31 Jul 2019 00:23

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion: 64 Resp: 1413
Ion Ratio Lower Upper
64 100
66 33.4 23.1 42.9

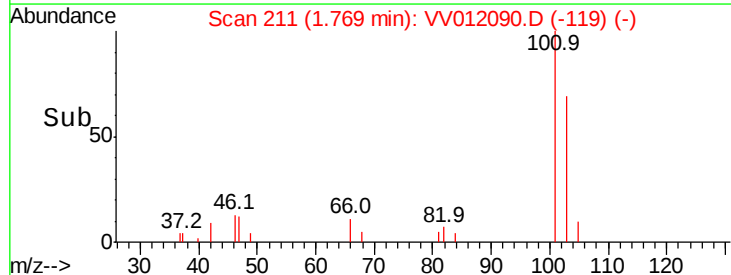
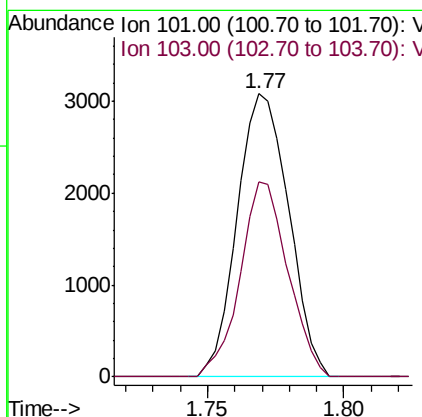
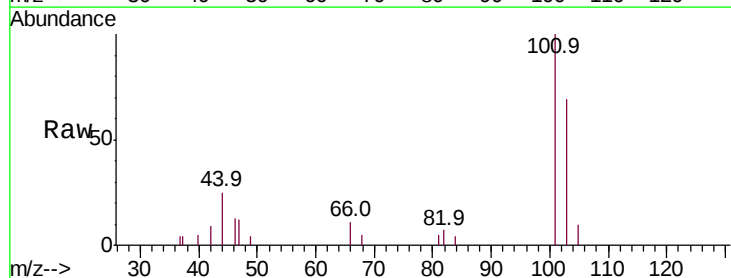
Manual Integrations
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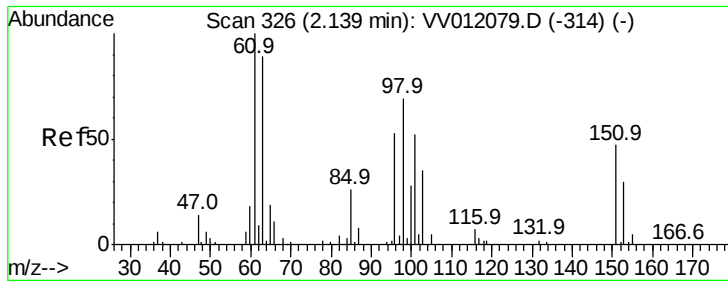
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8/1/2019 9:58:43 AM



#9
Trichlorofluoromethane
Concen: 0.318 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV012090.D
Acq: 31 Jul 2019 00:23

Tgt Ion: 101 Resp: 4038
Ion Ratio Lower Upper
101 100
103 63.8 51.3 76.9





#10

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

Concen: 0.373 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012090.D

Acq: 31 Jul 2019 00:23

Instrument :

MSVOA_V

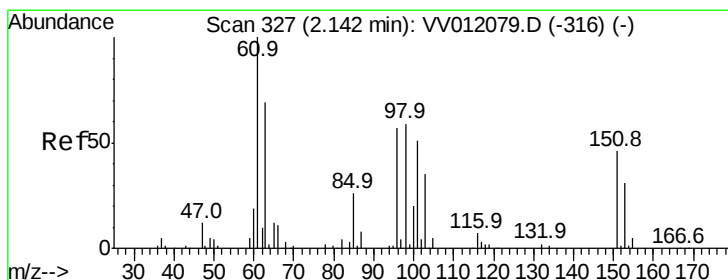
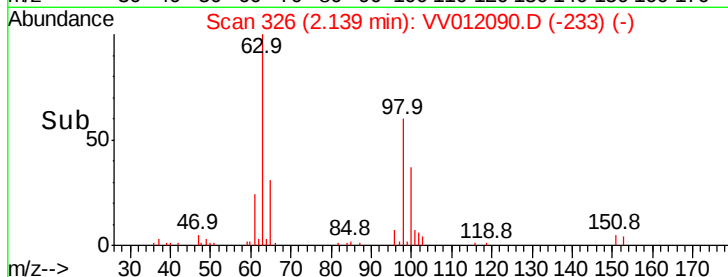
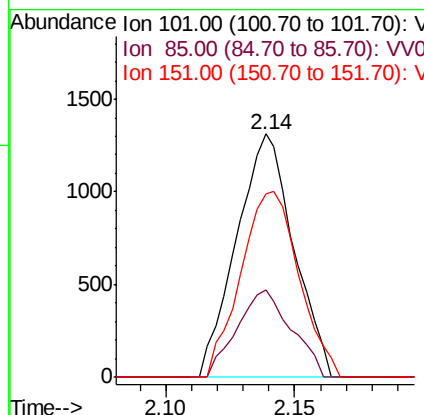
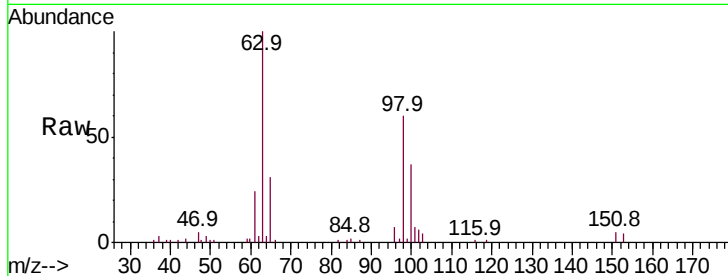
ClientSampleId :

MDL07

Tot Ion:	101	Resp:	2021
Ion Ratio	Lower	Upper	
101	100		
85	34.2	37.4	56.2#
151	78.0	69.1	103.7

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.384 ug/L

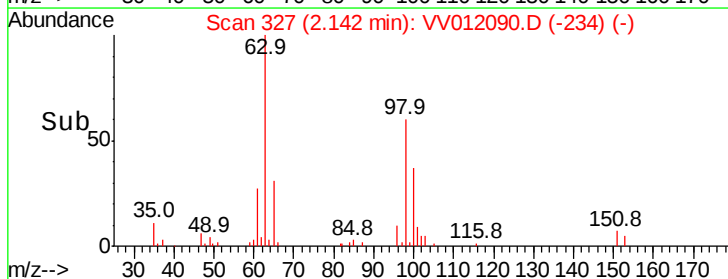
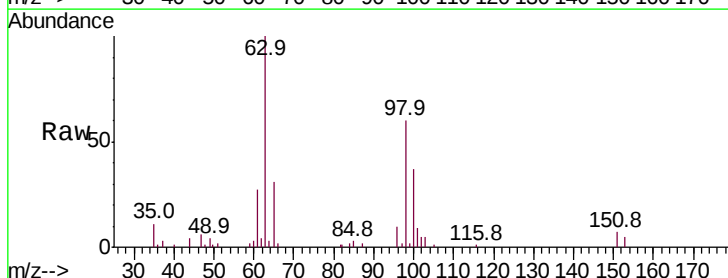
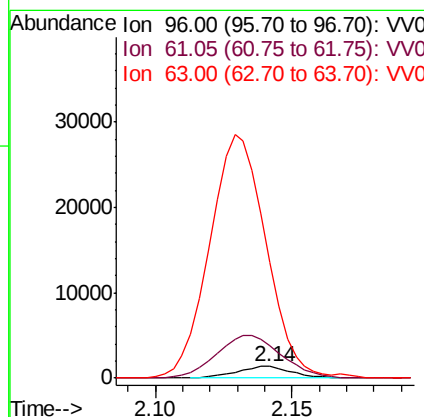
RT: 2.14 min Scan# 327

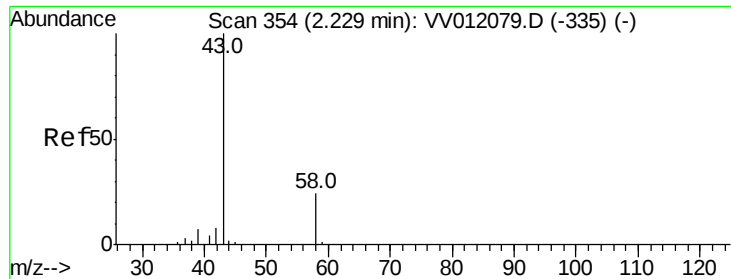
Delta R.T. 0.00 min

Lab File: VV012090.D

Acq: 31 Jul 2019 00:23

Tgt Ion:	96	Resp:	1907
Ion Ratio	Lower	Upper	
96	100		
61	275.0	126.9	235.7#
63	1005.2	87.6	162.8#





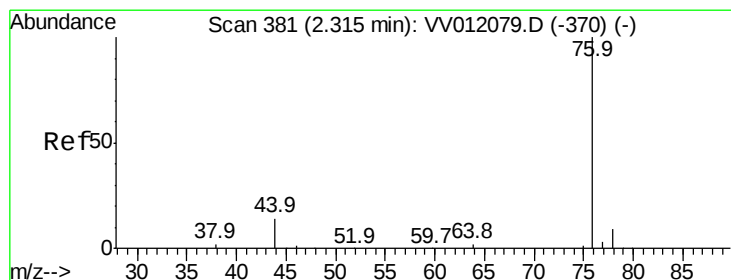
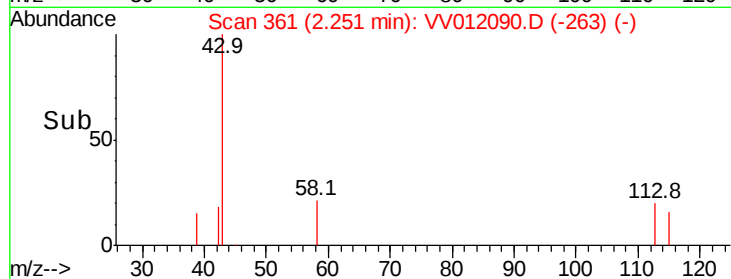
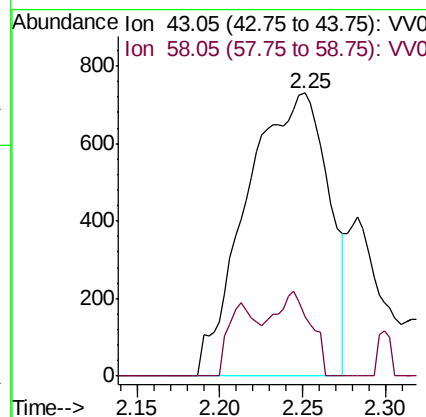
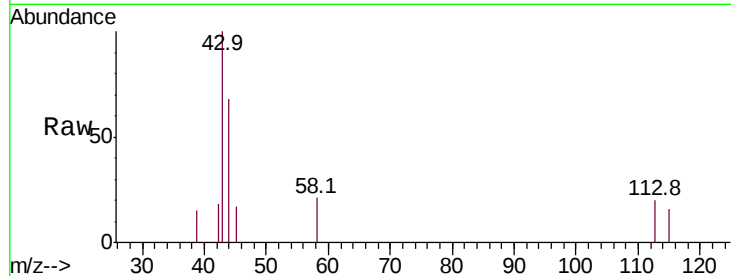
#13
Acetone
Concen: 3.332 ug/L
RT: 2.25 min Scan# 361
Delta R.T. 0.02 min
Lab File: VV012090.D
Acq: 31 Jul 2019 00:23

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
43	100		
58	13.6	0.0	51.0

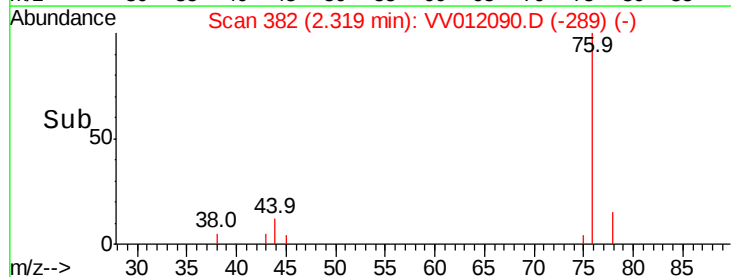
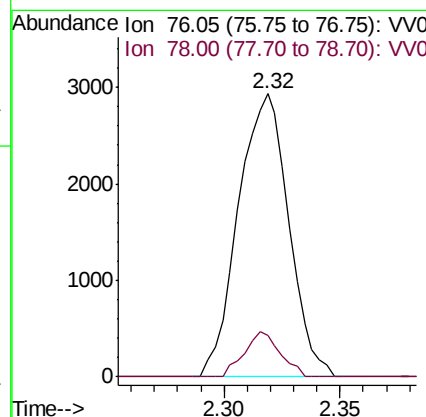
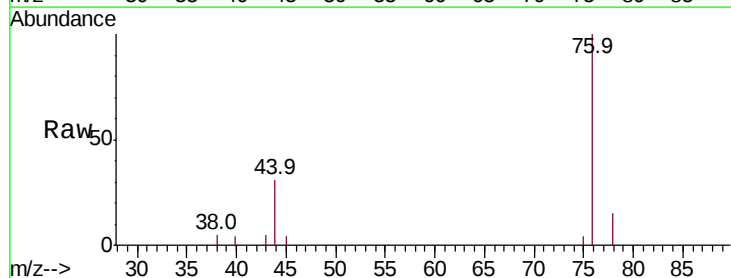
Manual Integrations
APPROVED

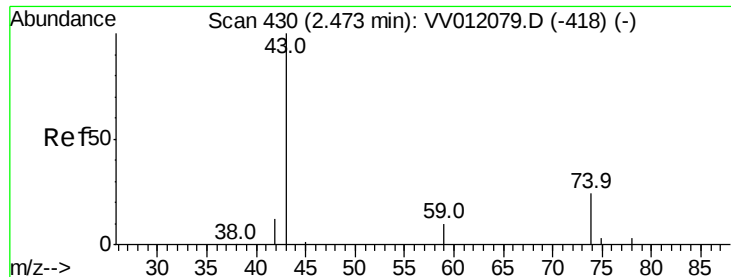
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#14
Carbon disulfide
Concen: 0.326 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV012090.D
Acq: 31 Jul 2019 00:23

Tgt Ion	Ratio	Lower	Upper
76	100		
78	14.8	7.9	11.9#





#15

Methvl Acetate

Concen: 0.317 ug/L m

RT: 2.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: VV012090.D

Acq: 31 Jul 2019 00:23

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 43 Resp: 541

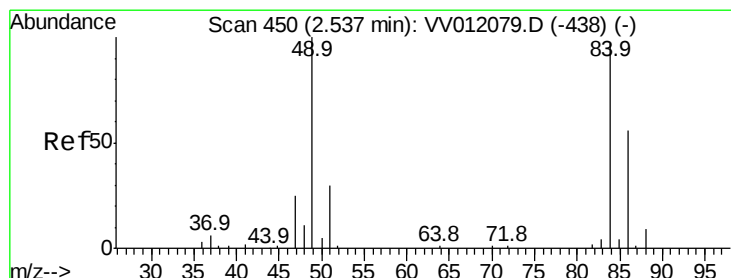
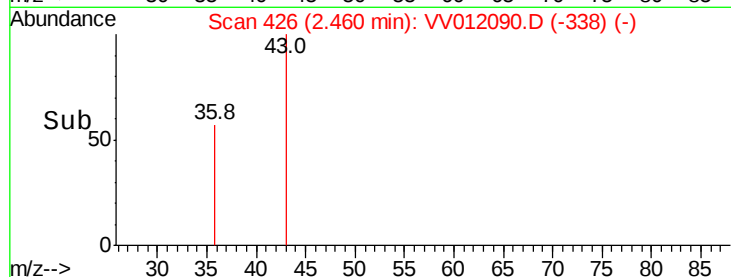
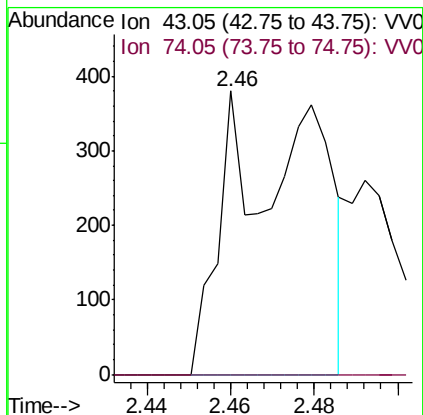
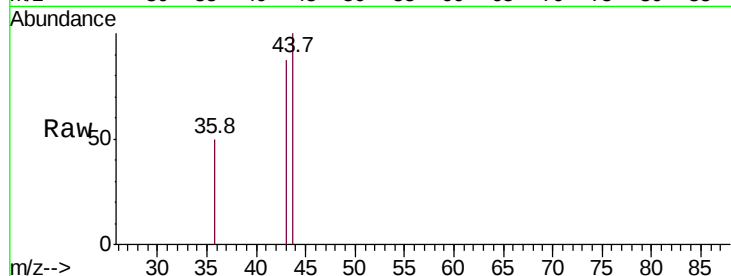
Ion Ratio Lower Upper

43 100

74 0.0 23.4 35.0#

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8/1/2019 9:58:43 AM



#16

Methylene chloride

Concen: 0.398 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV012090.D

Acq: 31 Jul 2019 00:23

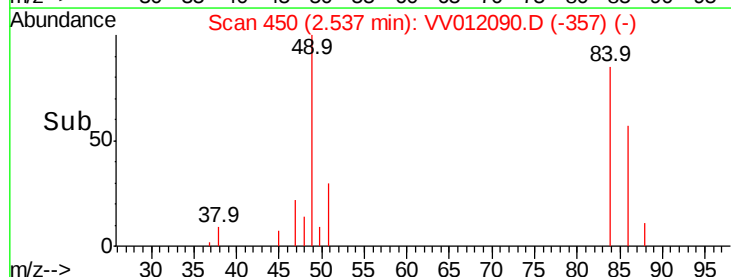
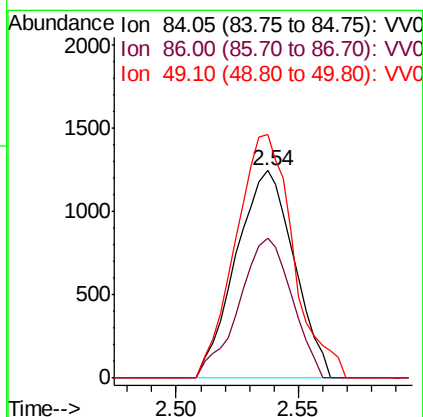
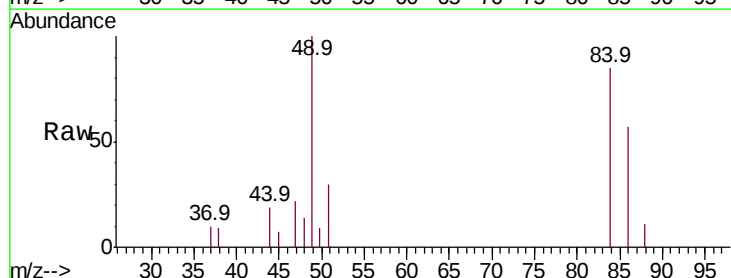
Tgt Ion: 84 Resp: 2055

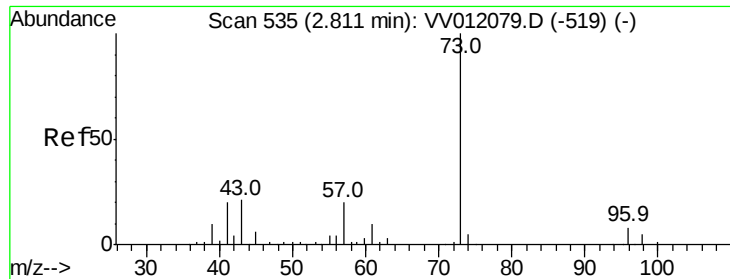
Ion Ratio Lower Upper

84 100

86 67.5 45.0 83.6

49 127.6 74.4 138.2





#17

Methvl tert-butvl Ether

Concen: 0.306 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV012090.D

Acq: 31 Jul 2019 00:23

Instrument :
MSVOA_V

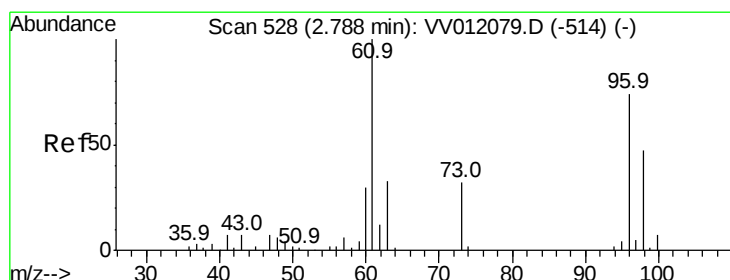
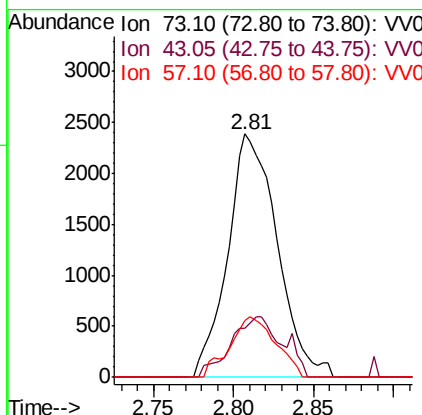
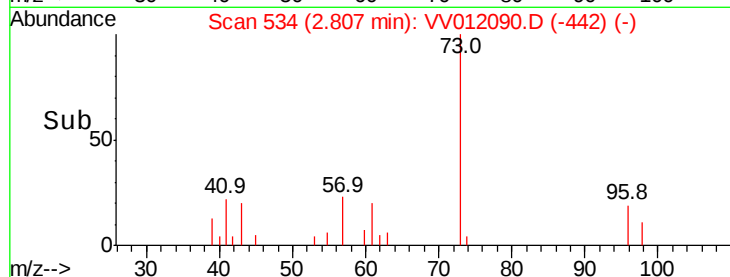
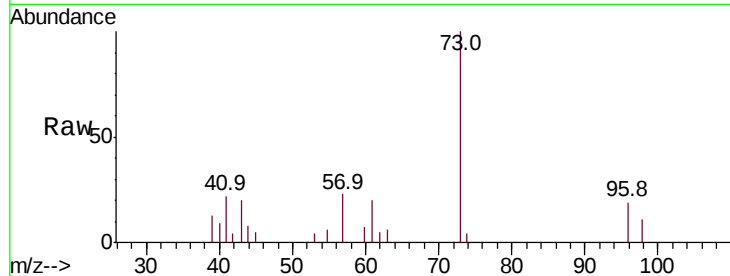
ClientSampleId :
MDL07

Tot Ion: 73 Resp: 5060

Ion	Ratio	Lower	Upper
73	100		
43	26.0	17.2	25.8#
57	22.8	15.1	22.7#

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8/1/2019 9:58:43 AM



#18

trans-1,2-Dichloroethene

Concen: 0.327 ug/L

RT: 2.79 min Scan# 529

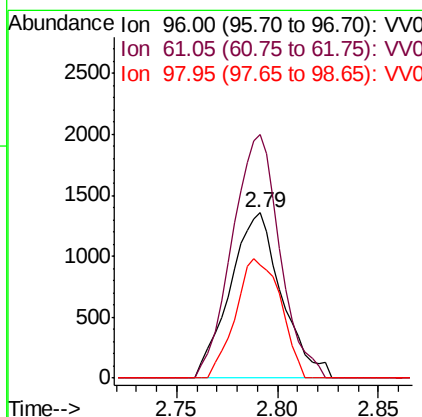
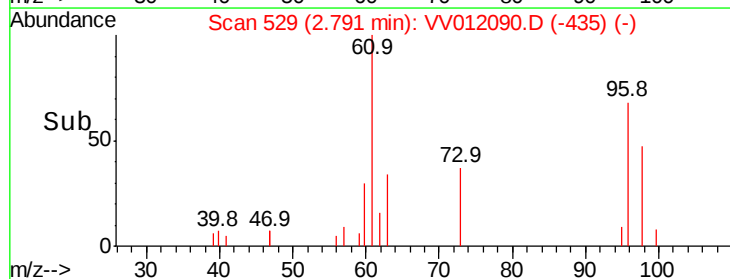
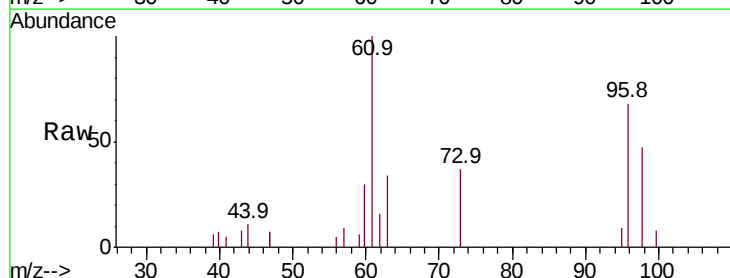
Delta R.T. 0.00 min

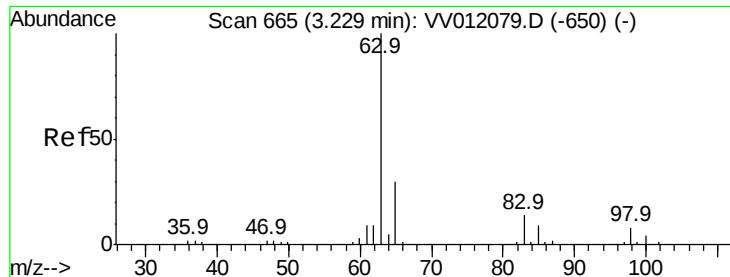
Lab File: VV012090.D

Acq: 31 Jul 2019 00:23

Tgt Ion: 96 Resp: 2422

Ion	Ratio	Lower	Upper
96	100		
61	147.6	99.0	184.0
98	68.7	47.9	88.9





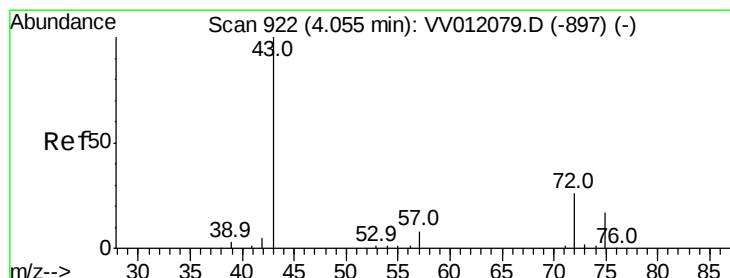
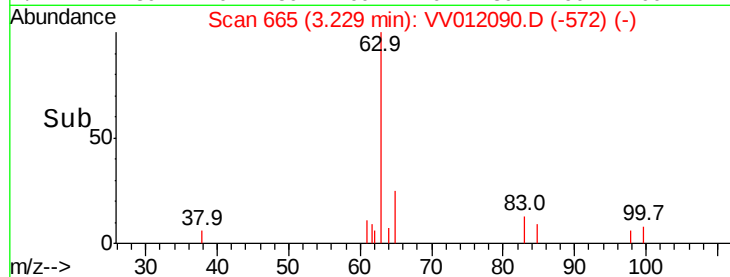
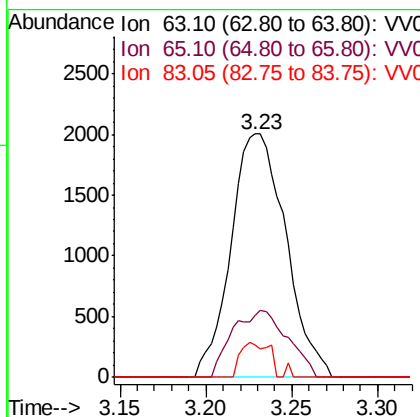
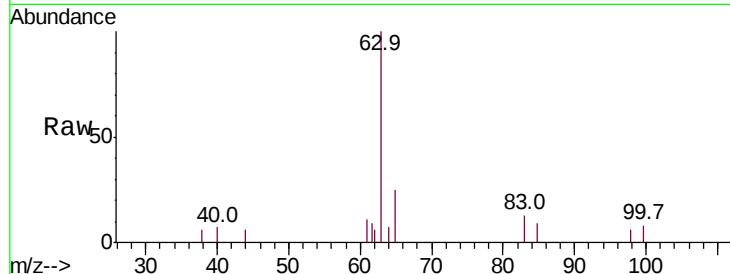
#19
 1,1-Dichloroethane
 Concen: 0.338 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
63	100		
65	25.2	22.3	41.3
83	13.2	10.4	19.2

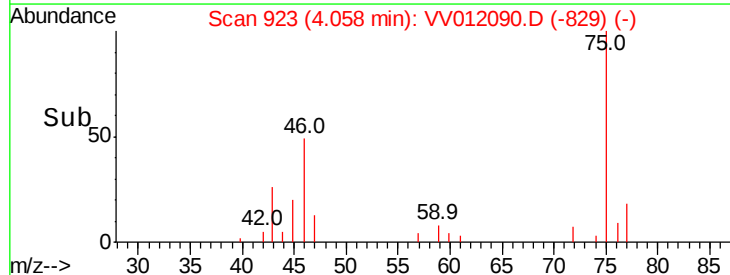
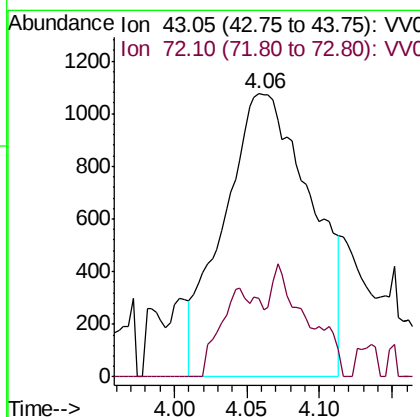
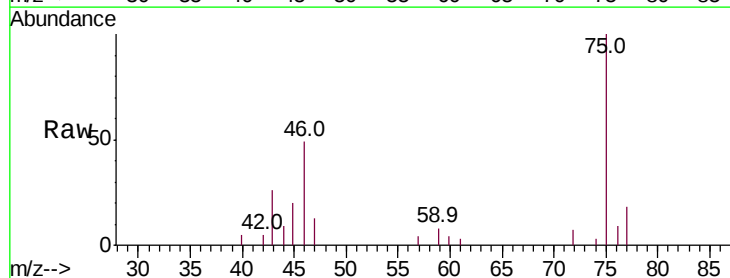
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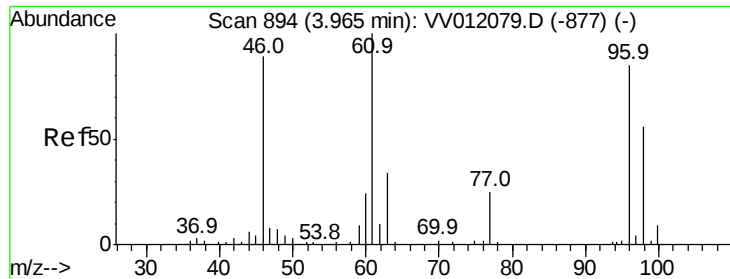
MMDadoda
 8/1/2019 9:58:43 AM



#21
 2-Butanone
 Concen: 3.024 ug/L m
 RT: 4.06 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Tgt Ion	Ratio	Lower	Upper
43	100		
72	1.0	14.0	42.0#





#22

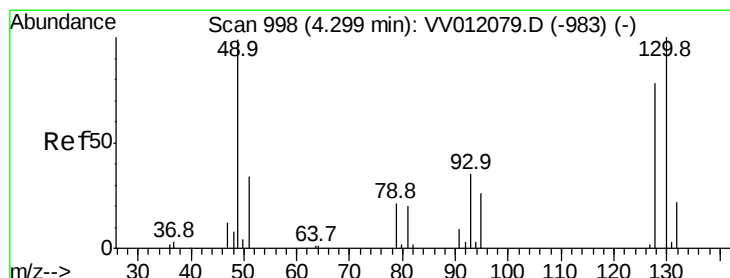
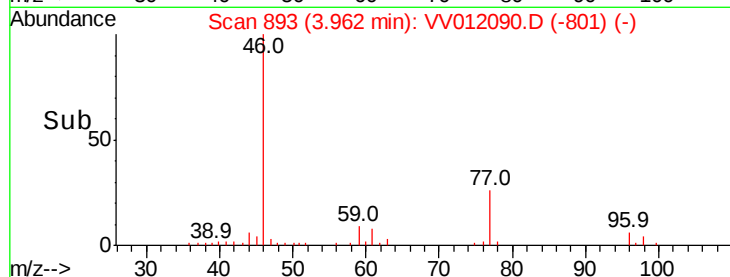
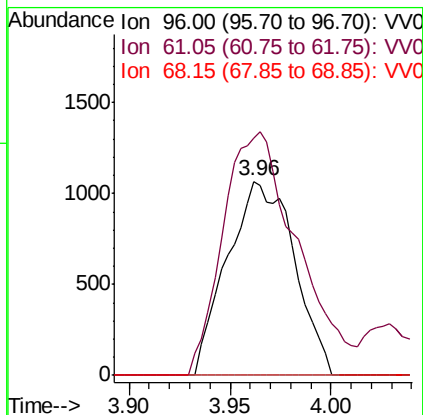
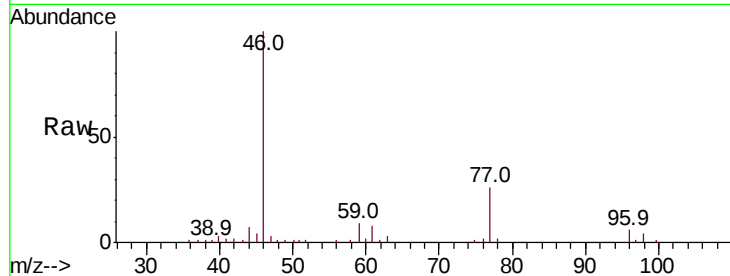
cis-1,2-Dichloroethene
 Concen: 0.310 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
96	100		
61	122.0	81.5	151.5
68	0.0	0.0	0.0

Manual Integrations
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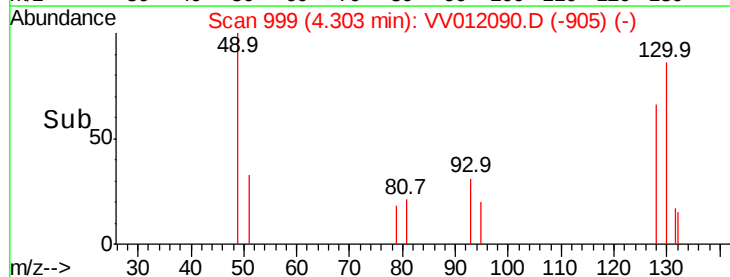
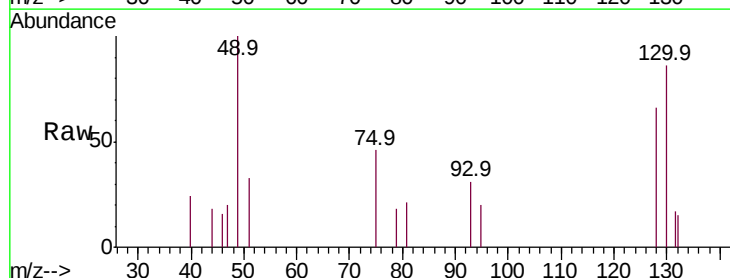
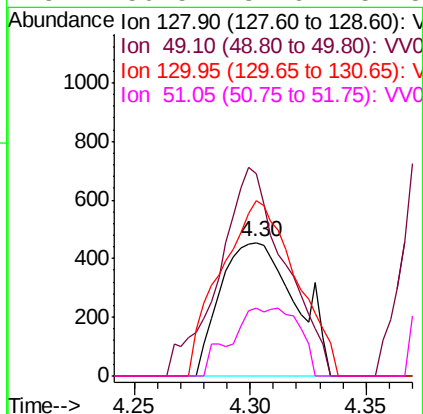
MMDadoda
 8/1/2019 9:58:43 AM

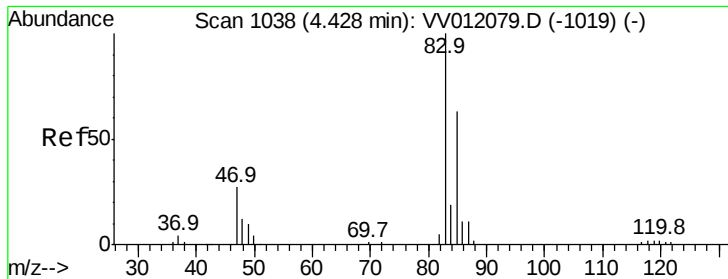


#23

Bromochloromethane
 Concen: 0.287 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Tgt Ion	Ratio	Lower	Upper
128	100		
49	151.9	97.9	181.7
130	131.2	90.9	168.9
51	50.5	34.6	51.8





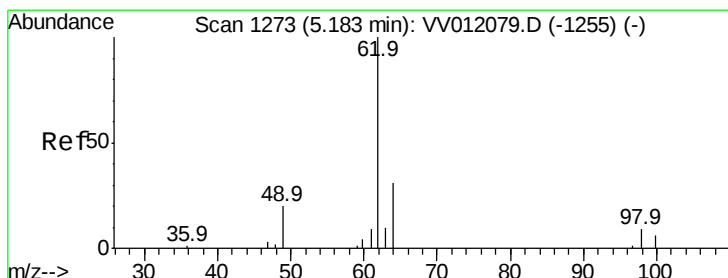
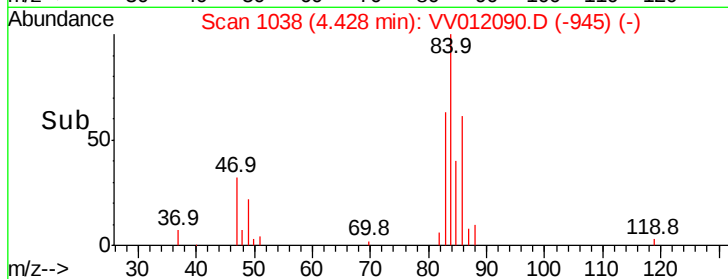
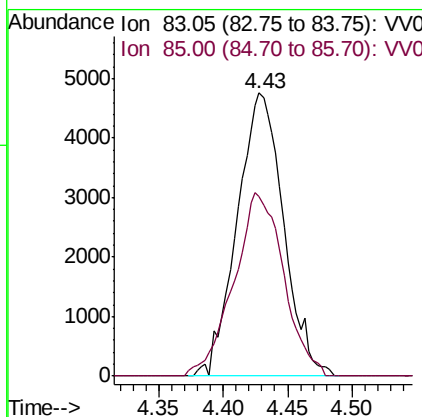
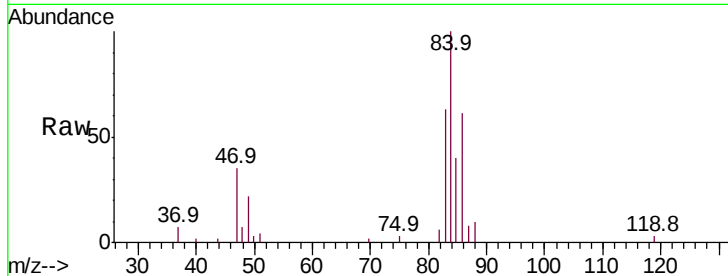
#25
Chloroform
Concen: 0.697 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012090.D
Acq: 31 Jul 2019 00:23

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion: 83 Resp: 11913
Ion Ratio Lower Upper
83 100
85 63.6 44.7 83.1

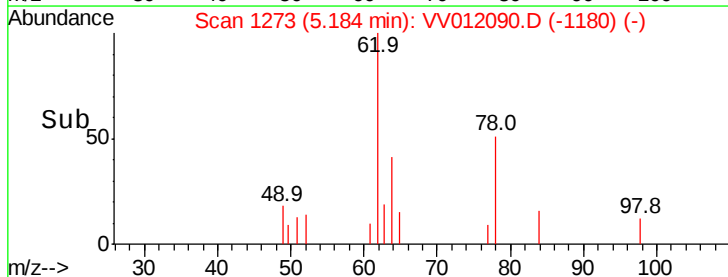
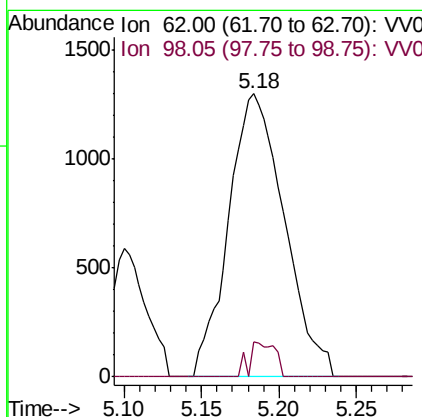
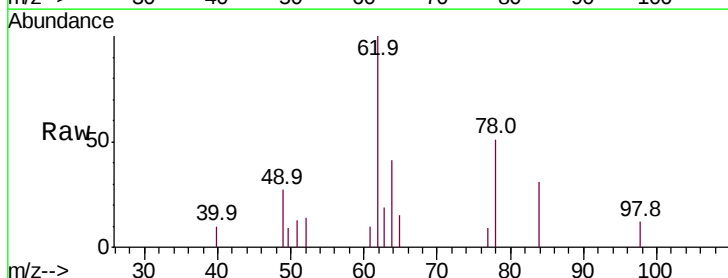
Manual Integrations
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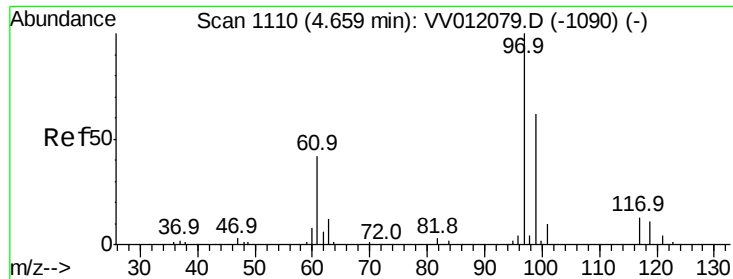
MMdadoda
8/1/2019 9:58:43 AM



#27
1,2-Dichloroethane
Concen: 0.346 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012090.D
Acq: 31 Jul 2019 00:23

Tgt Ion: 62 Resp: 3252
Ion Ratio Lower Upper
62 100
98 12.4 7.3 10.9#





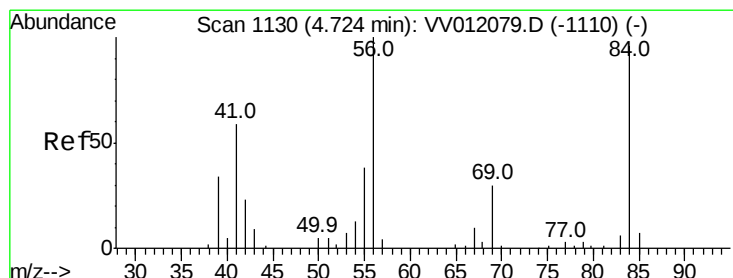
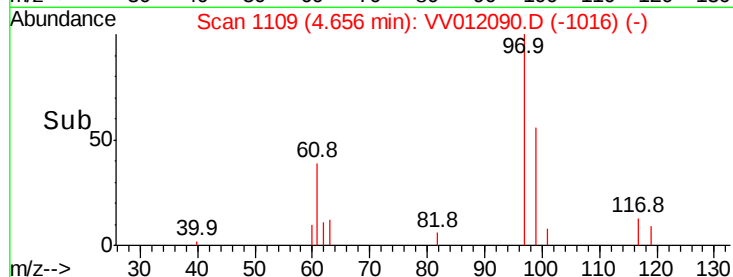
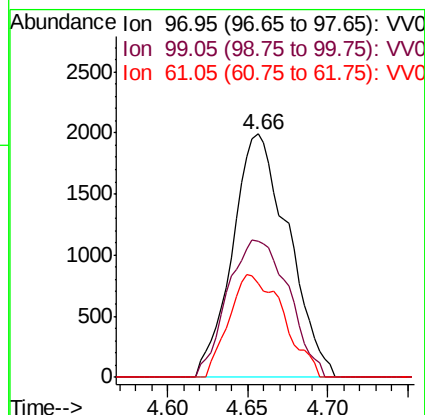
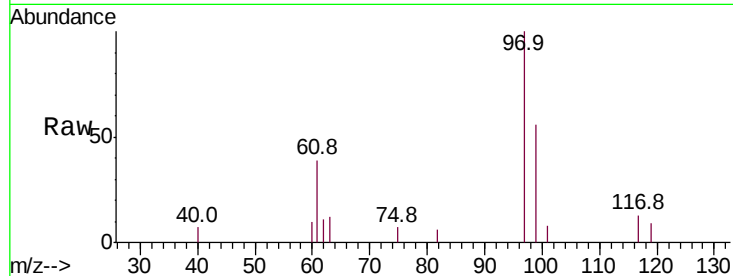
#29
 1,1,1-Trichloroethane
 Concen: 0.334 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion: 97 Resp: 4766
 Ion Ratio Lower Upper
 97 100
 99 61.5 51.7 77.5
 61 40.9 34.2 51.2

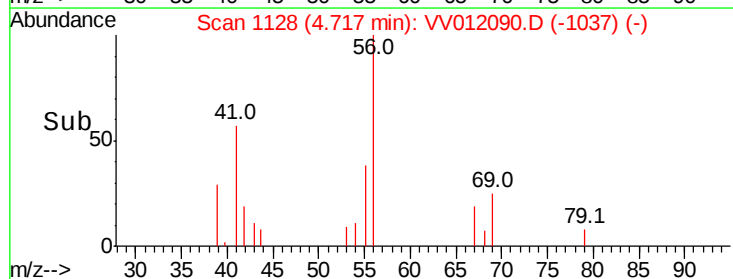
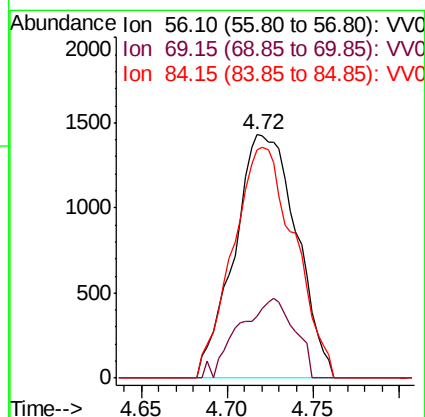
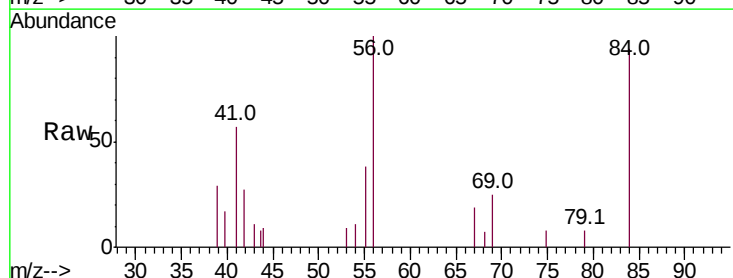
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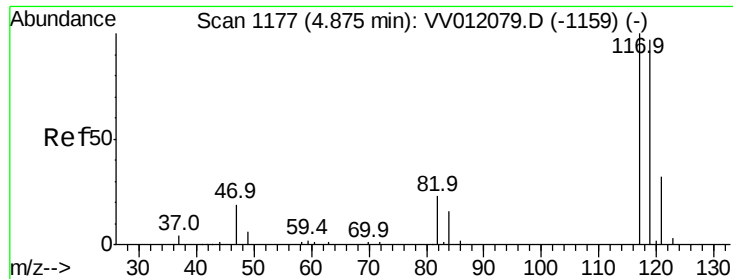
MMdadoda
 8/1/2019 9:58:43 AM



#30
 Cyclohexane
 Concen: 0.330 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Tgt Ion: 56 Resp: 3585
 Ion Ratio Lower Upper
 56 100
 69 29.2 26.0 39.0
 84 94.3 79.9 119.9





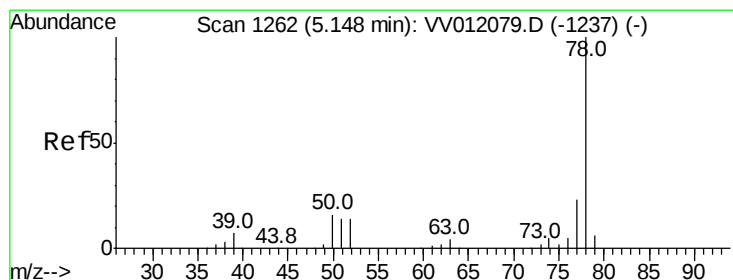
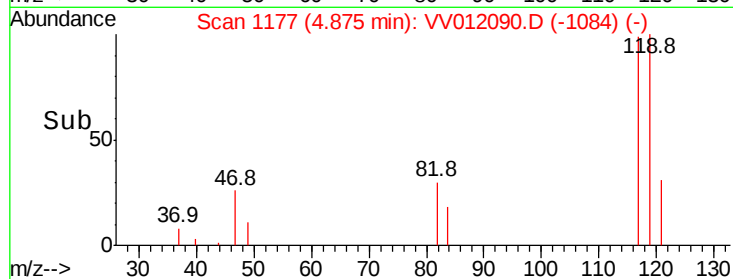
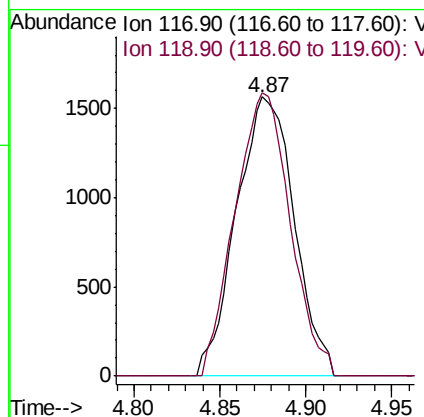
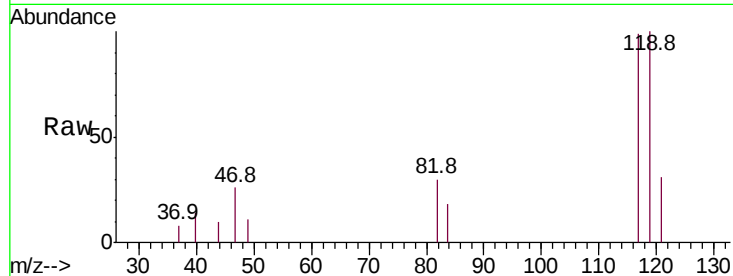
#31
Carbon tetrachloride
Concen: 0.285 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012090.D
Acq: 31 Jul 2019 00:23

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion:117 Resp: 3653
Ion Ratio Lower Upper
117 100
119 96.9 77.7 116.5

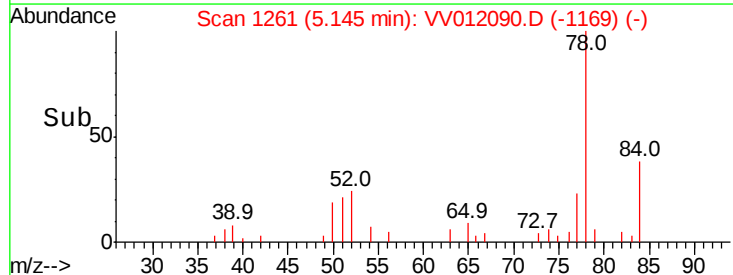
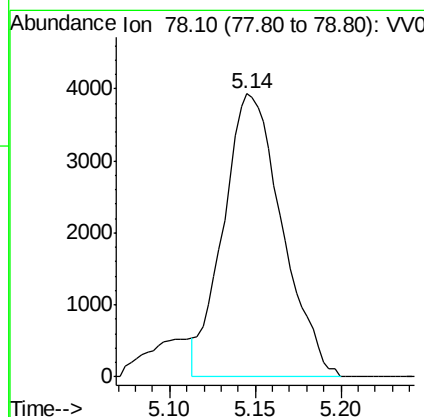
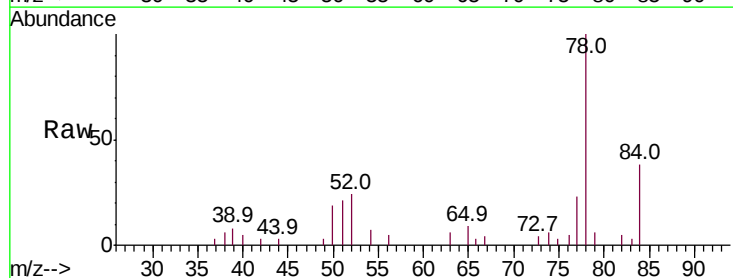
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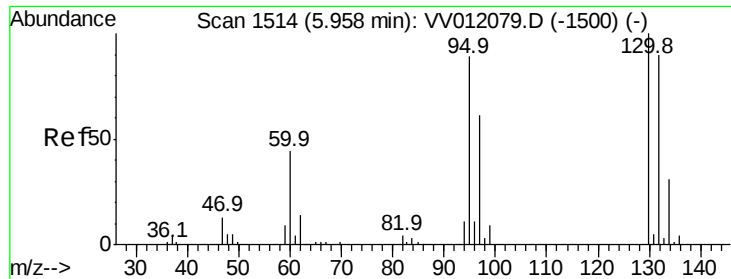
MMdadoda
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#33
Benzene
Concen: 0.321 ug/L m
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV012090.D
Acq: 31 Jul 2019 00:23

Tgt Ion: 78 Resp: 9349





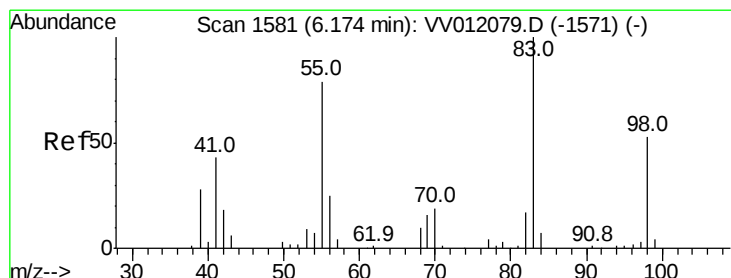
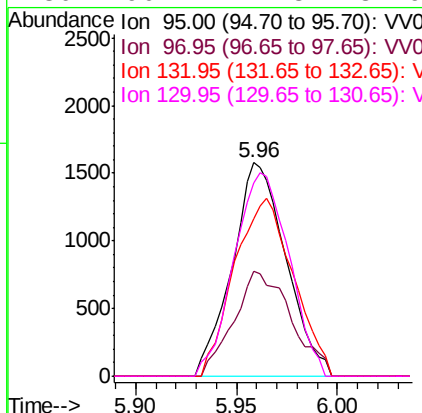
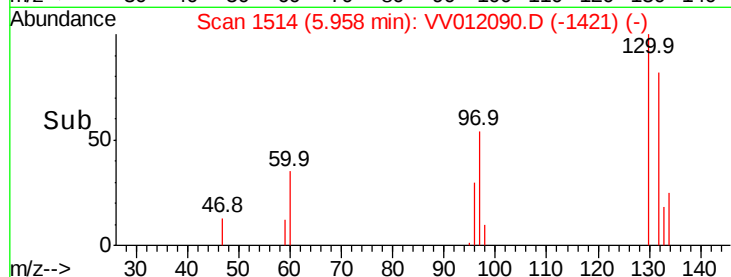
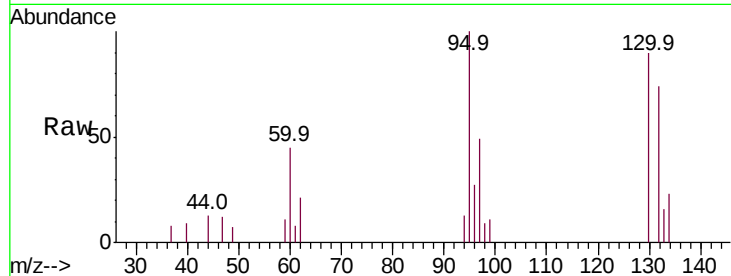
#34
 Trichloroethene
 Concen: 0.350 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion:	95	Resp:	2940
Ion	Ratio	Lower	Upper
95	100		
97	48.9	45.4	84.2
132	73.9	67.0	124.4
130	90.4	74.3	137.9

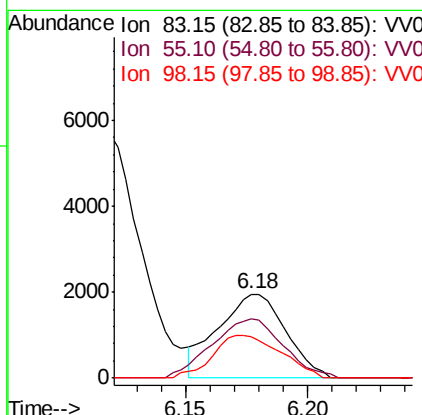
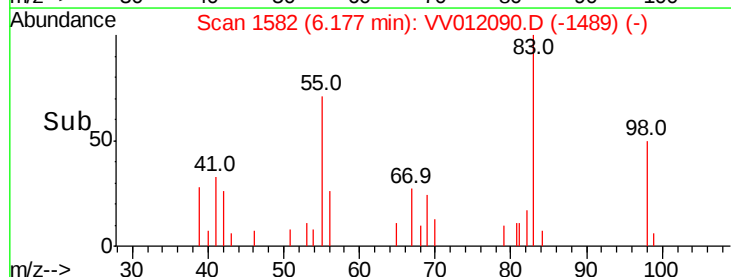
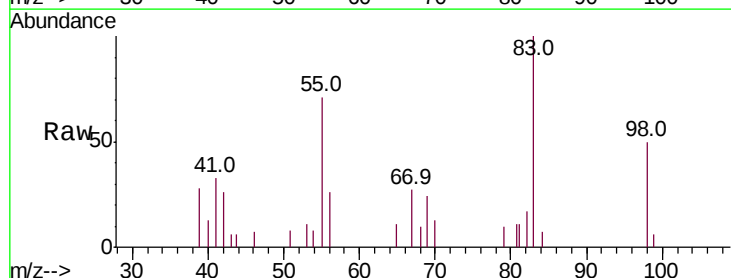
Manual Integrations
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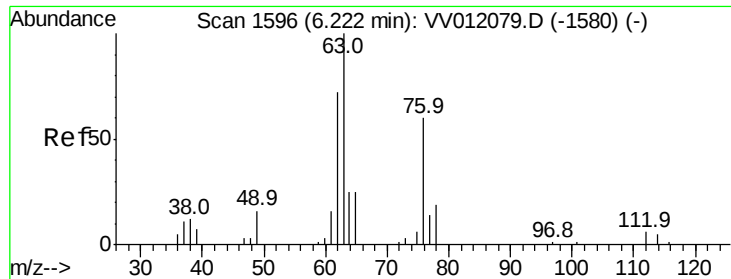
MMdadoda
 8/1/2019 9:58:43 AM



#35
 Methylcyclohexane
 Concen: 0.296 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Tgt Ion:	83	Resp:	3766
Ion	Ratio	Lower	Upper
83	100		
55	73.8	59.9	89.9
98	51.5	40.8	61.2





#37

1,2-Dichloropropane

Concen: 0.321 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV012090.D

Acq: 31 Jul 2019 00:23

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 63 Resp: 2158

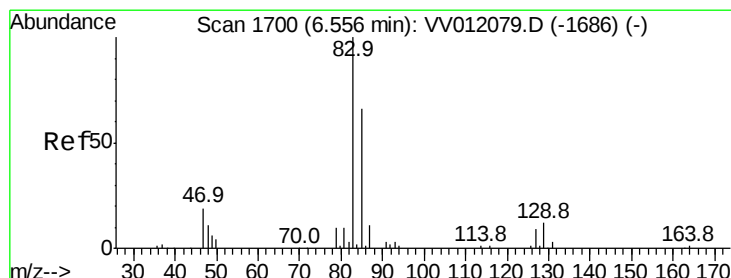
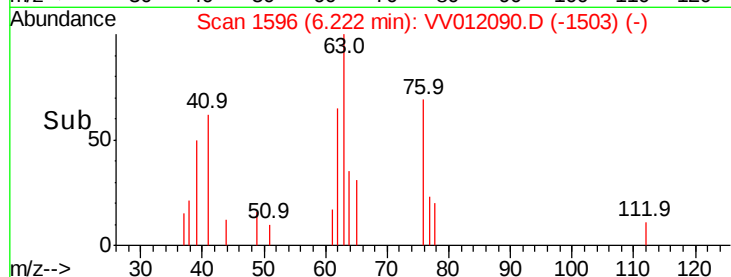
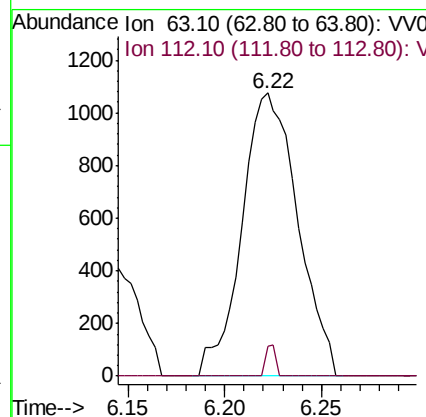
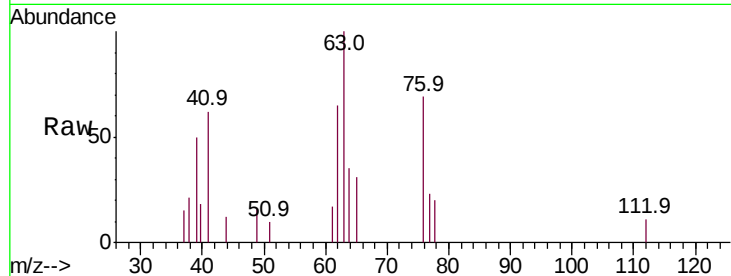
Ion Ratio Lower Upper

63 100

112 2.1 4.7 7.1#

Manual Integrations
APPROVED

MMdadoda
8/1/2019 9:58:43 AM



#38

Bromodichloromethane

Concen: 0.321 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV012090.D

Acq: 31 Jul 2019 00:23

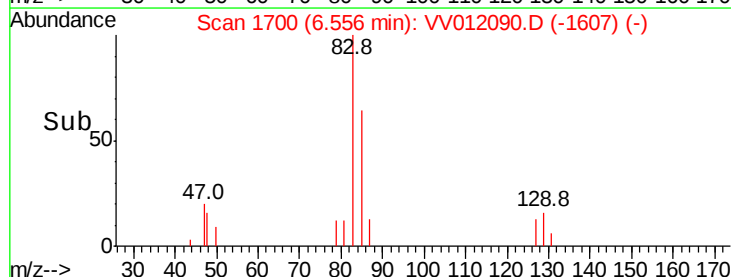
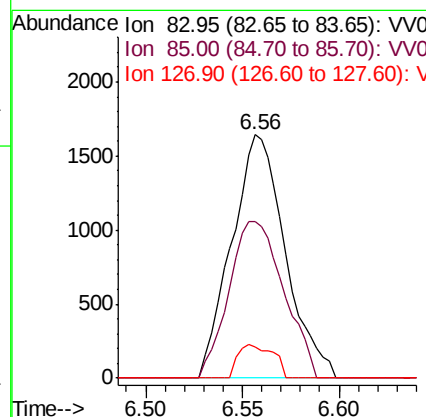
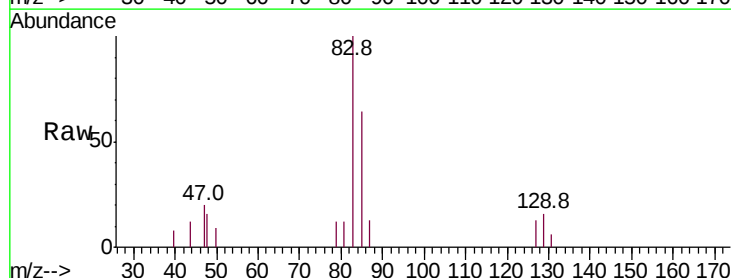
Tgt Ion: 83 Resp: 3173

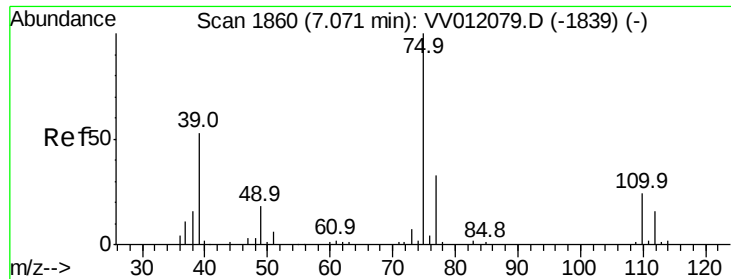
Ion Ratio Lower Upper

83 100

85 64.2 46.2 85.8

127 12.6 7.2 10.8#





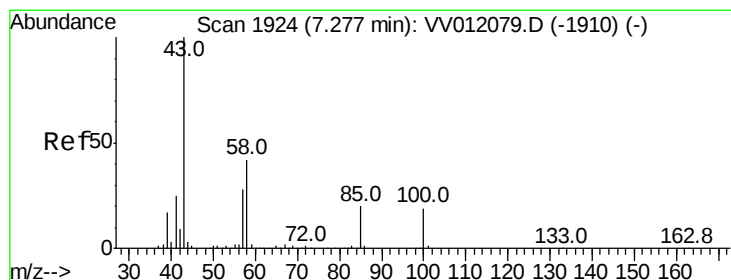
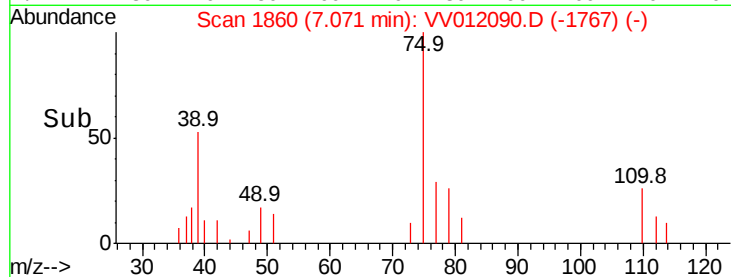
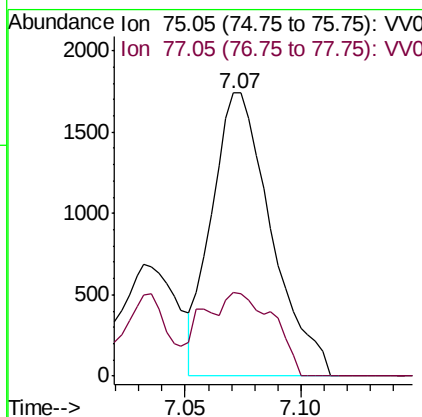
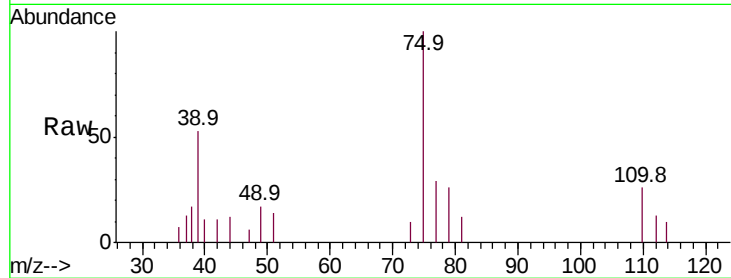
#39
 cis-1,3-Dichloropropene
 Concen: 0.297 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion: 75 Resp: 3112
 Ion Ratio Lower Upper
 75 100
 77 29.4 21.3 39.5

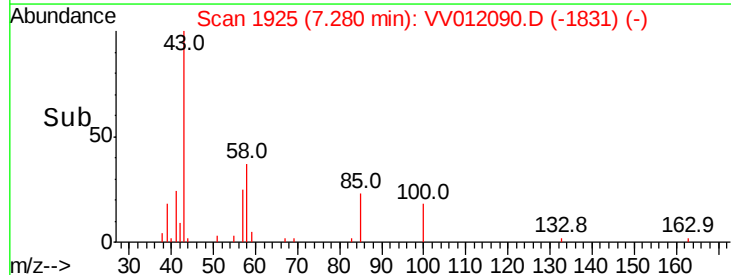
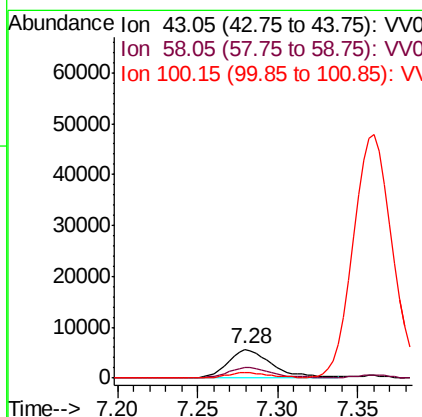
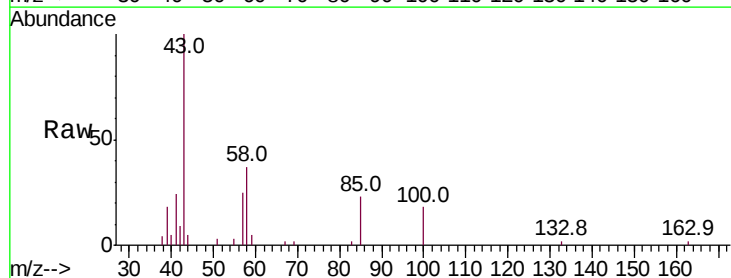
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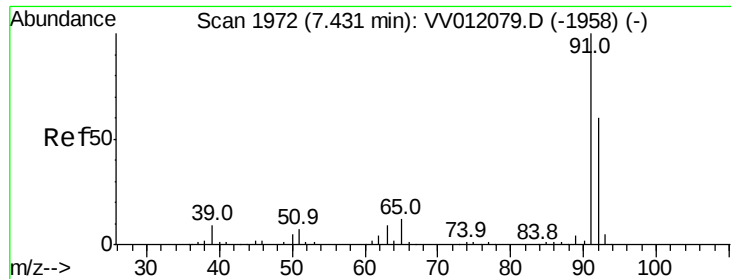
MMdadoda
 8/1/2019 9:58:43 AM



#40
 4-Methyl-2-pentanone
 Concen: 2.898 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Tgt Ion: 43 Resp: 10617
 Ion Ratio Lower Upper
 43 100
 58 37.4 31.8 47.6
 100 0.0 15.0 22.4#





#42

Toluene

Concen: 0.330 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV012090.D

Acq: 31 Jul 2019 00:23

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 91 Resp: 10507

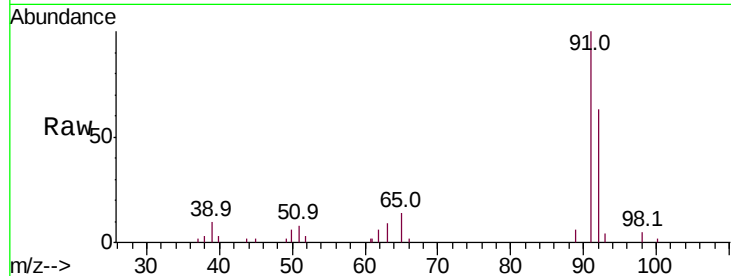
Ion Ratio Lower Upper

91 100

92 62.6 41.6 77.2

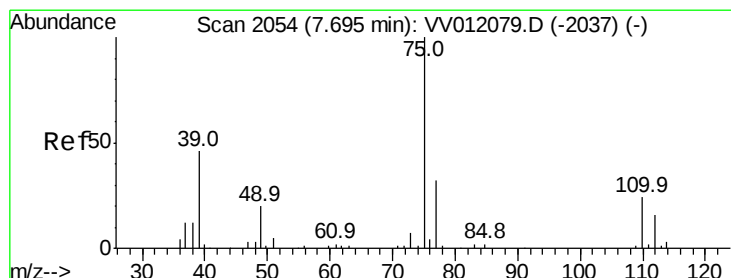
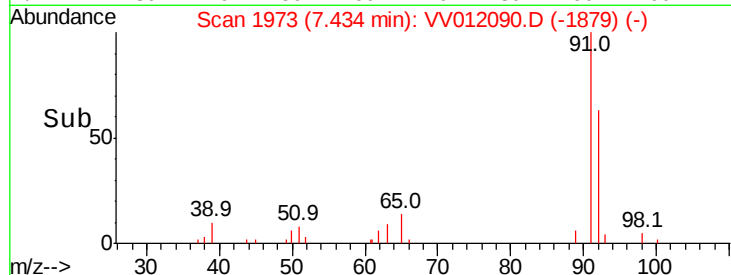
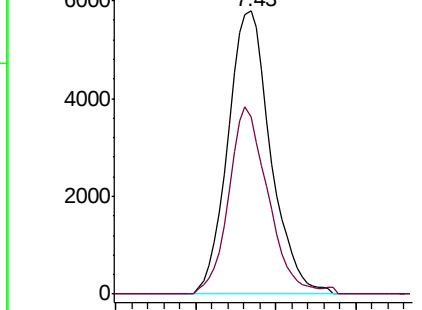
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Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.298 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.01 min

Lab File: VV012090.D

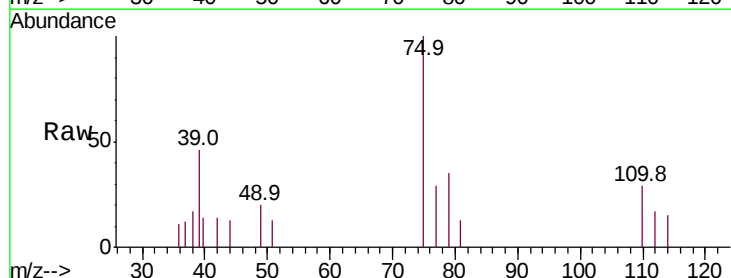
Acq: 31 Jul 2019 00:23

Tgt Ion: 75 Resp: 2523

Ion Ratio Lower Upper

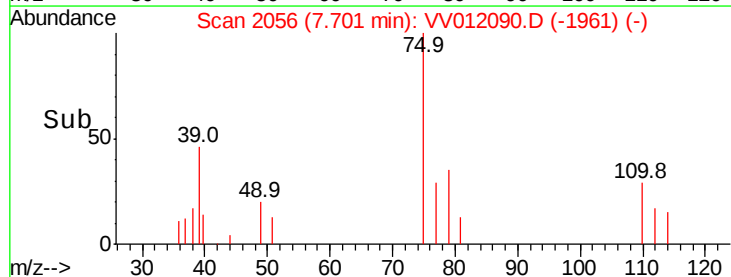
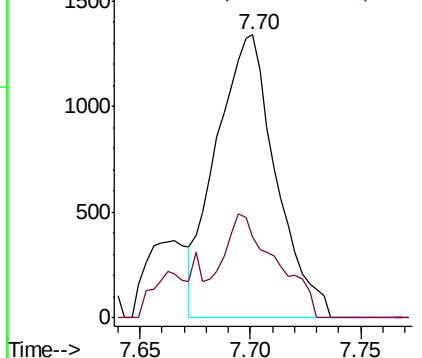
75 100

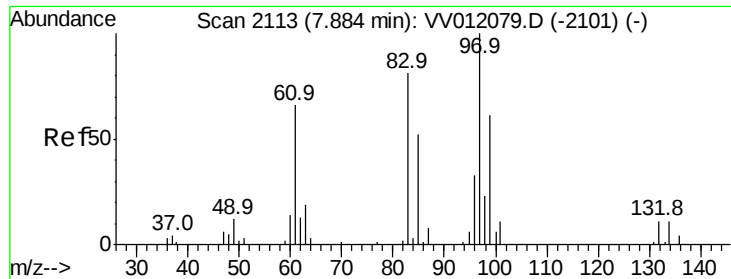
77 28.5 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





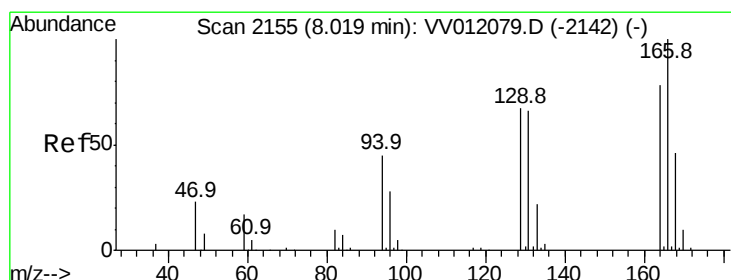
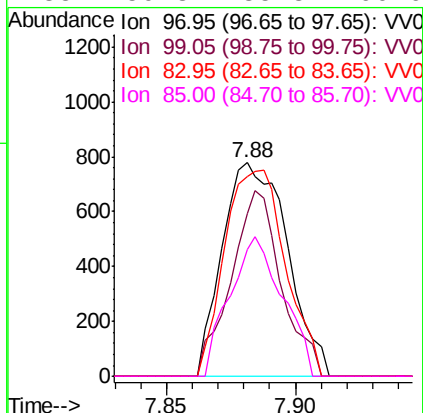
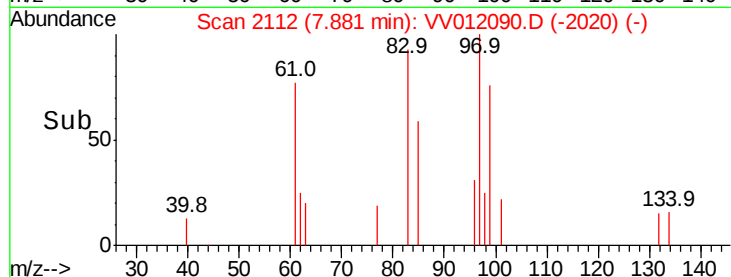
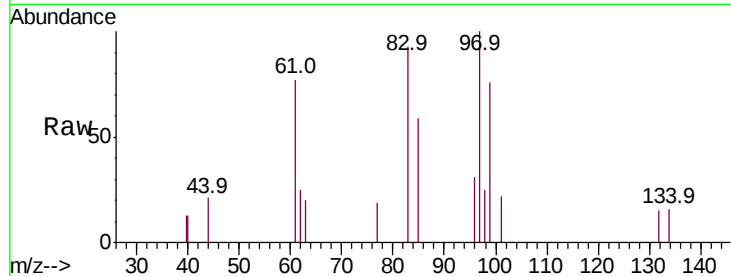
#45
1,1,2-Trichloroethane
Concen: 0.272 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV012090.D
Acq: 31 Jul 2019 00:23

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	97	Resp	1366
Ion	Ratio	Lower	Upper
97	100		
99	76.0	43.3	80.3
83	93.3	56.6	105.0
85	59.3	35.8	66.6

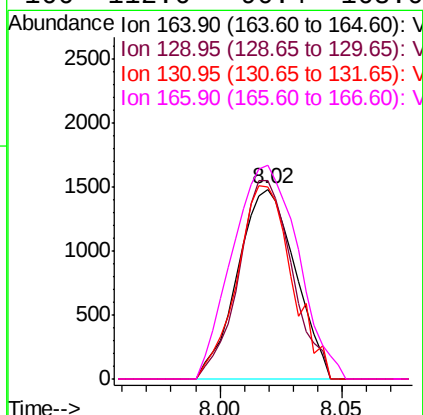
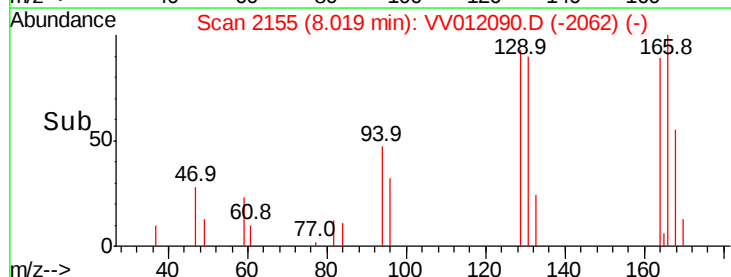
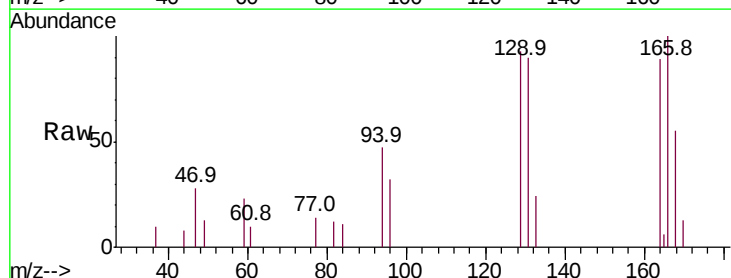
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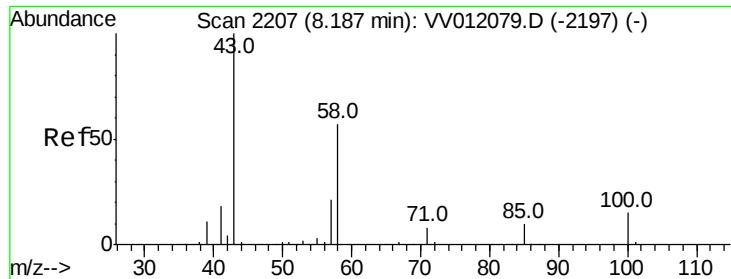
MMdadoda
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#47
Tetrachloroethene
Concen: 0.318 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV012090.D
Acq: 31 Jul 2019 00:23

Tgt Ion	164	Resp	2430
Ion	Ratio	Lower	Upper
164	100		
129	104.7	62.5	116.1
131	101.3	60.9	113.1
166	112.6	90.4	168.0





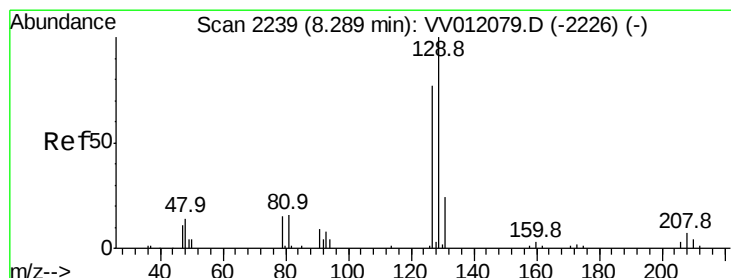
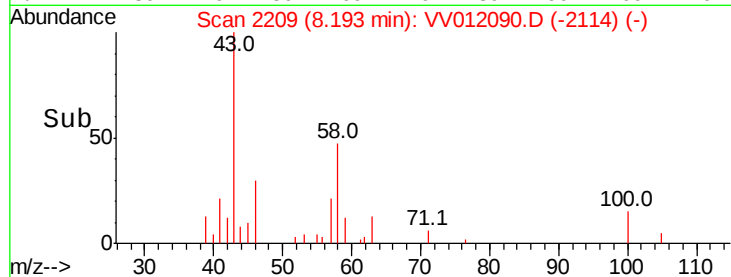
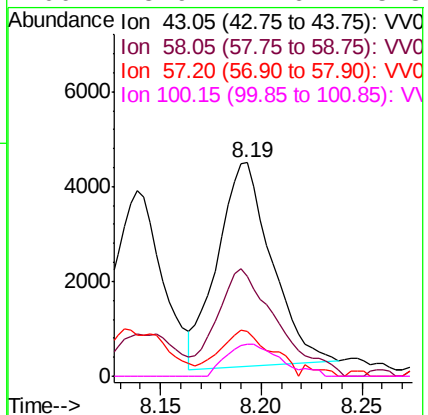
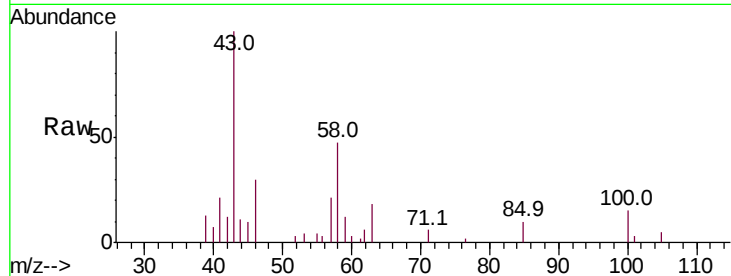
#48
2-Hexanone
Concen: 3.145 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012090.D
Acq: 31 Jul 2019 00:23

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.5	45.7	68.5
57	21.4	17.0	25.4
100	15.9	12.6	18.8

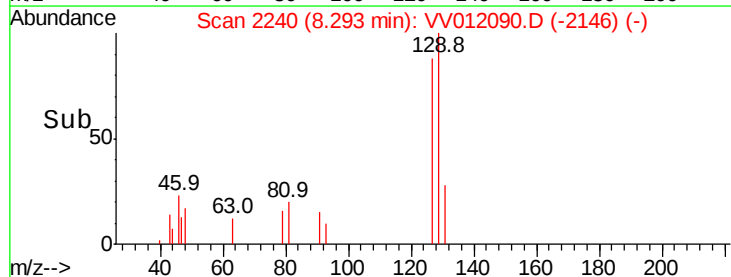
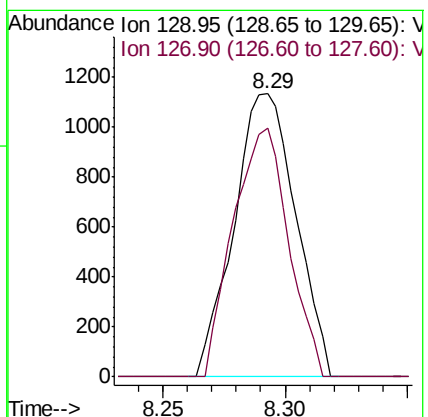
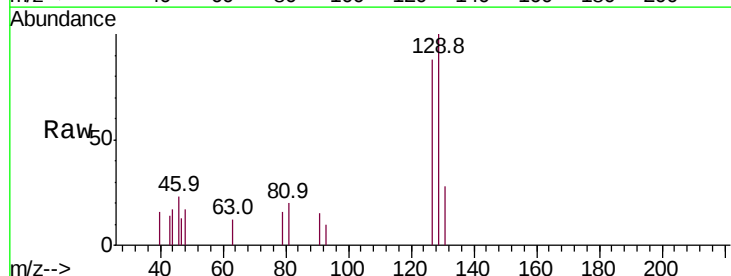
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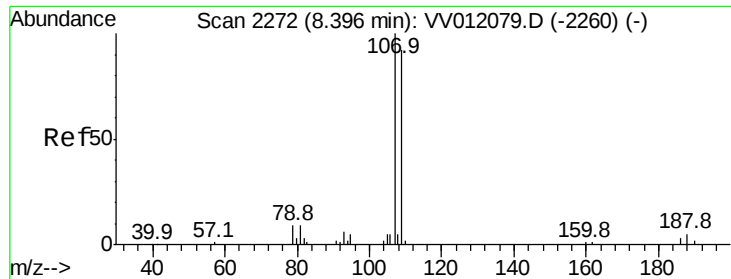
MMdadoda
8/1/2019 9:58:43 AM



#49
Dibromochloromethane
Concen: 0.305 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV012090.D
Acq: 31 Jul 2019 00:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	87.8	52.8	98.2





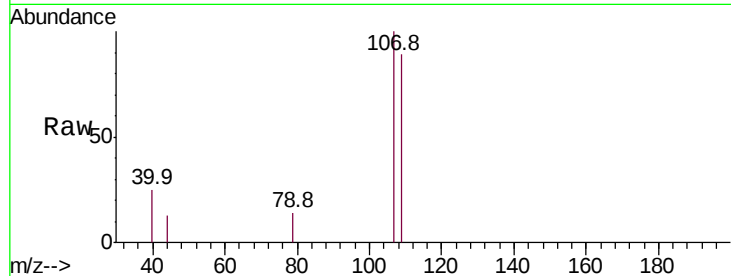
#50
 1,2-Dibromoethane
 Concen: 0.329 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

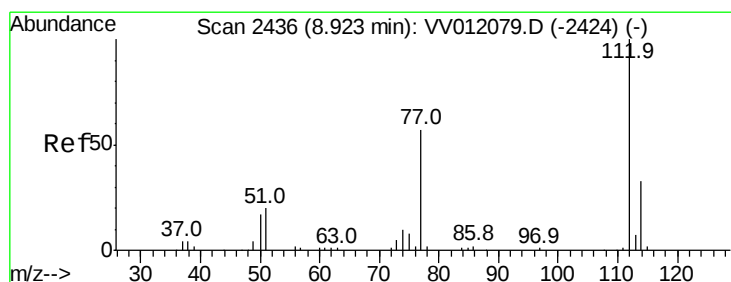
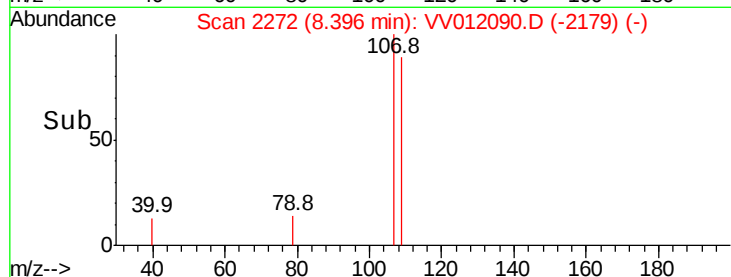
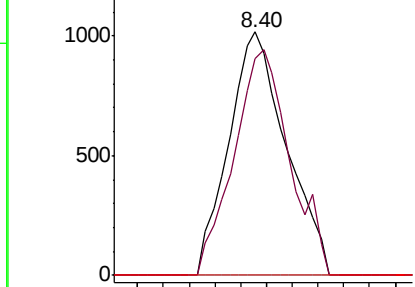
Tot Ion	Ratio	Resp	Lower	Upper
107	100	1579		
109	89.0	64.7	120.1	
188	0.0	3.4	5.0#	

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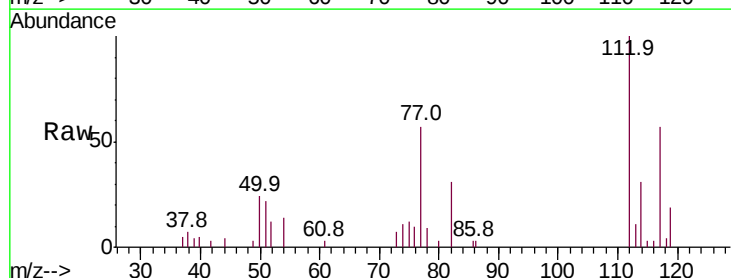


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

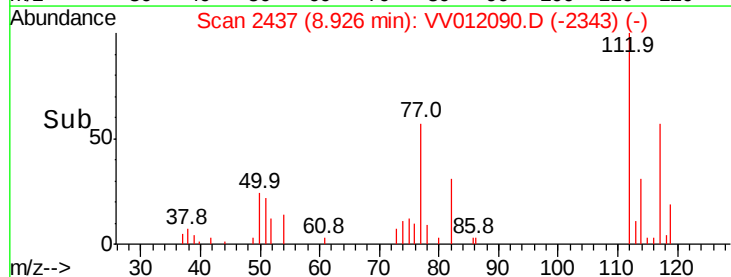
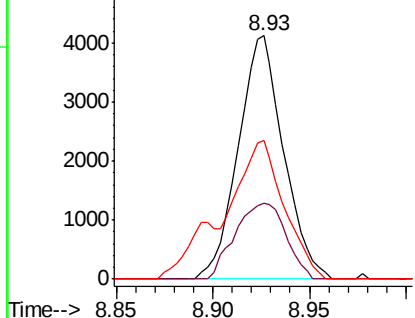


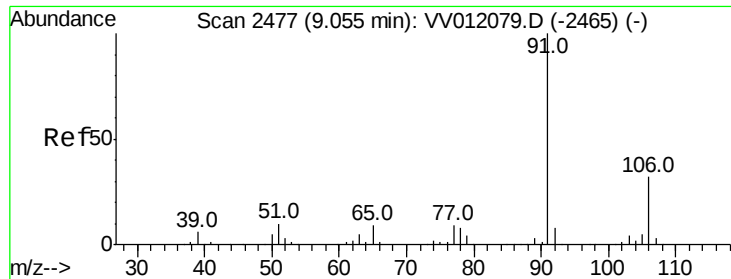
#51
 Chlorobenzene
 Concen: 0.311 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	6709		
114	31.0	22.4	41.6	
77	57.0	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: 0.319 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012090.D

Acq: 31 Jul 2019 00:23

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 91 Resp: 11712

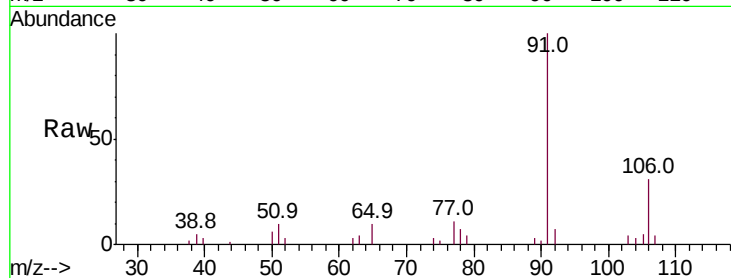
Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.0

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Abundance Ion 91.15 (90.85 to 91.85): VV012079.D (-2465) (-)

Ion 106.15 (105.85 to 106.85): VV012079.D (-2465) (-)

9.05

8000

6000

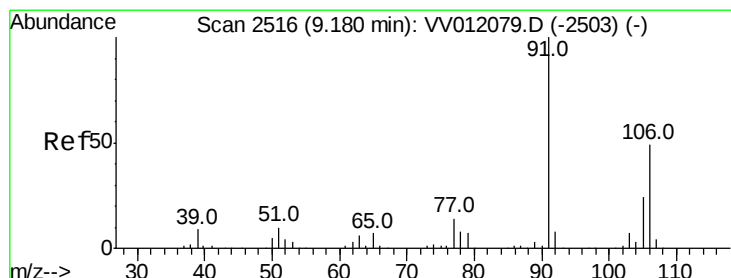
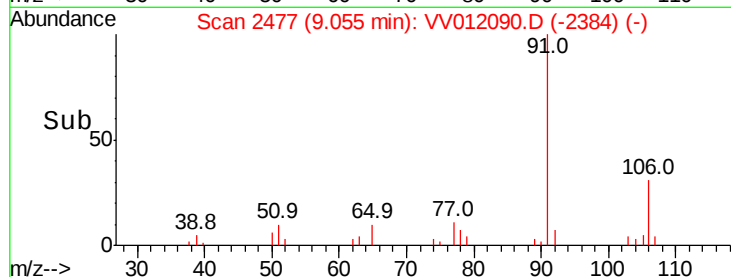
4000

2000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 0.268 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012090.D

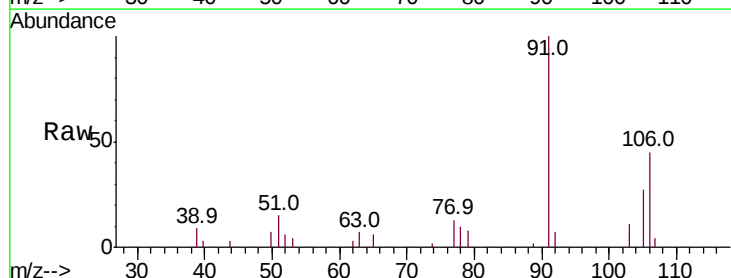
Acq: 31 Jul 2019 00:23

Tgt Ion: 106 Resp: 3770

Ion Ratio Lower Upper

106 100

91 202.5 148.7 276.3



Abundance Ion 106.15 (105.85 to 106.85): VV012079.D (-2503) (-)

Ion 91.15 (90.85 to 91.85): VV012079.D (-2503) (-)

9.18

5000

4000

3000

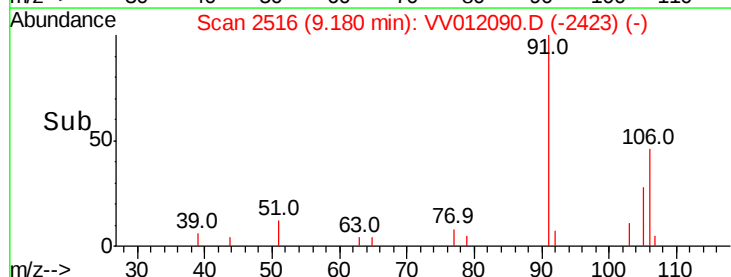
2000

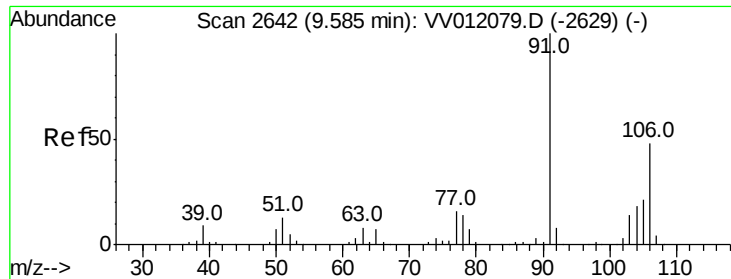
1000

0

9.15 9.20

Time-->





#54

o-xylene

Concen: 0.302 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012090.D

Acq: 31 Jul 2019 00:23

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion:106 Resp: 4076

Ion Ratio Lower Upper

106 100

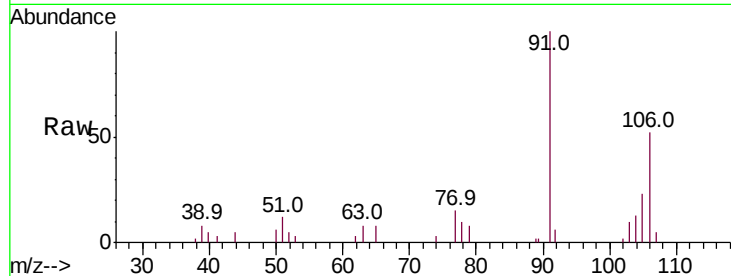
91 192.9 147.7 274.3

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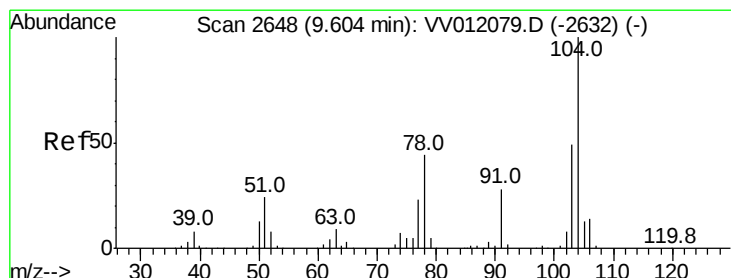
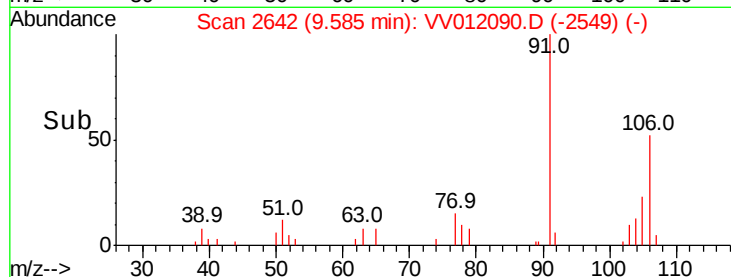
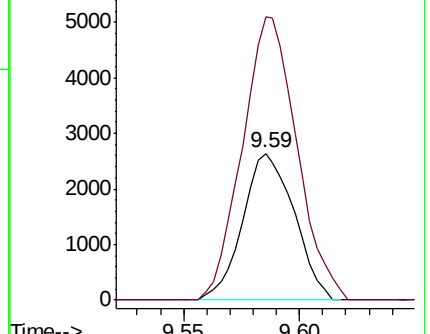
MMdadoda

8/1/2019 9:58:43 AM



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.269 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012090.D

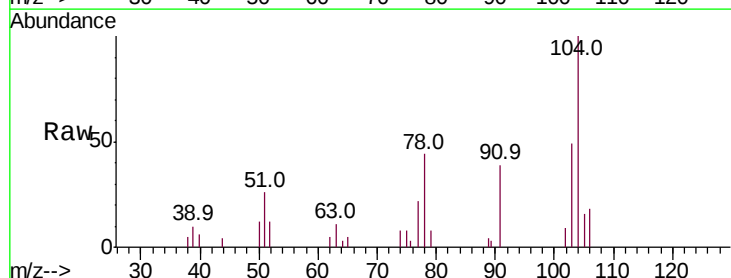
Acq: 31 Jul 2019 00:23

Tgt Ion:104 Resp: 6160

Ion Ratio Lower Upper

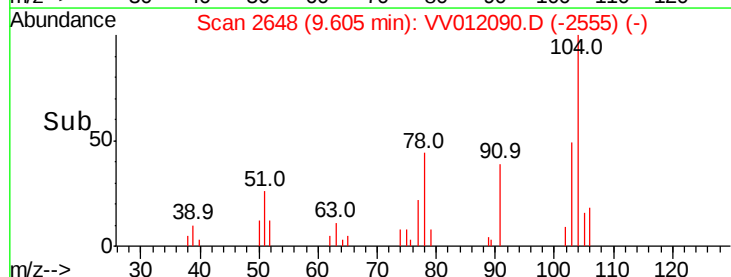
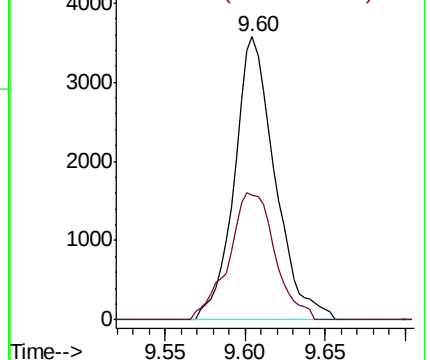
104 100

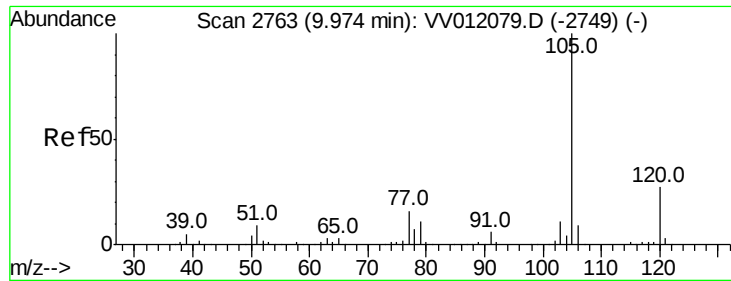
78 44.1 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





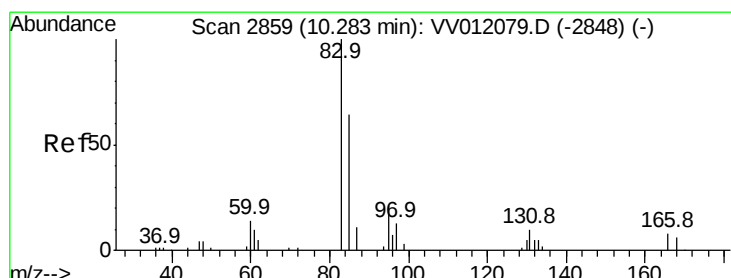
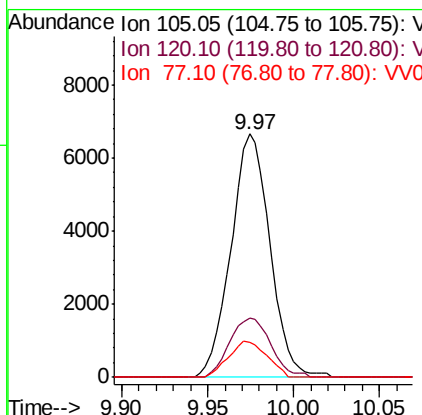
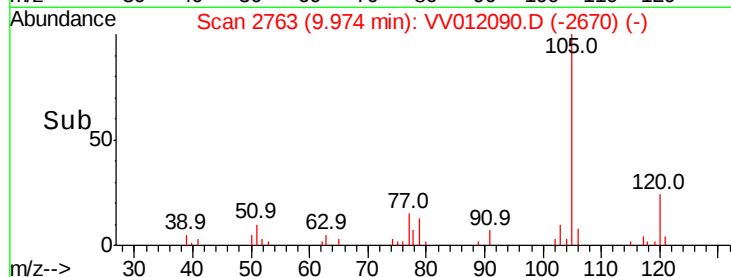
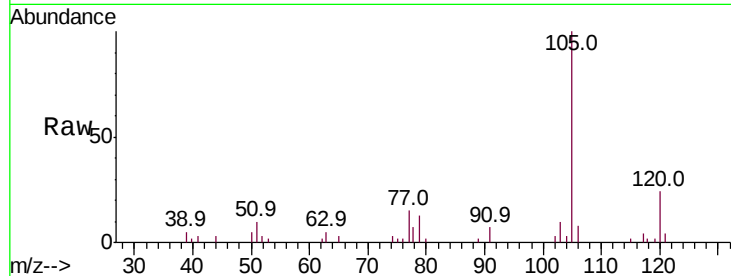
#56
Isopropylbenzene
Concen: 0.281 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV012090.D
Acq: 31 Jul 2019 00:23

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion:	105	Resp:	10485
Ion Ratio	Lower	Upper	
105	100		
120	25.9	21.8	32.8
77	14.6	12.7	19.1

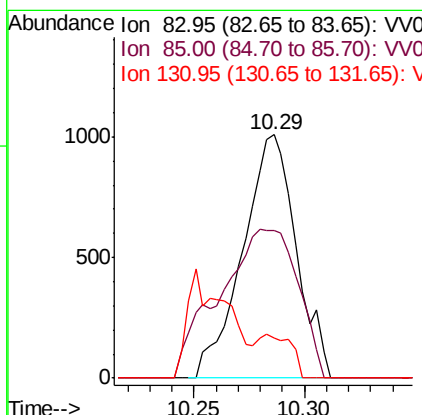
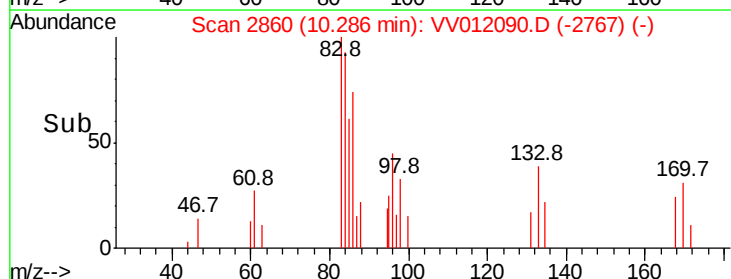
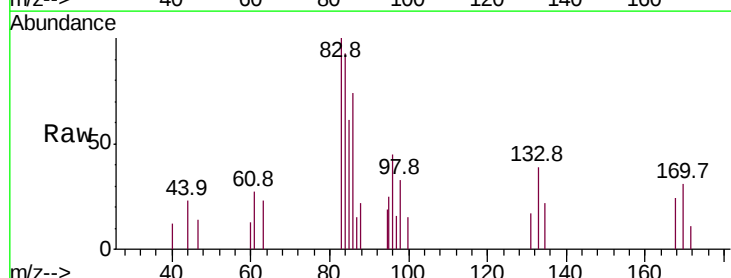
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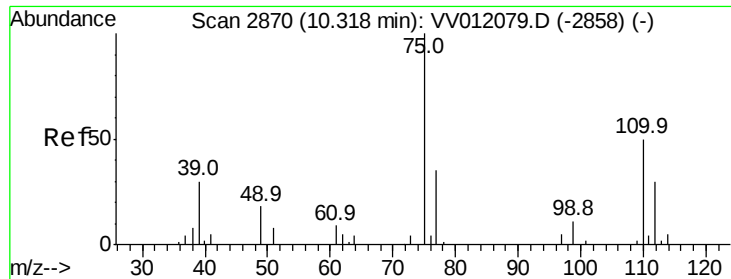
MMdadoda
8/1/2019 9:58:43 AM



#58
1,1,2,2-Tetrachloroethane
Concen: 0.306 ug/L
RT: 10.29 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VV012090.D
Acq: 31 Jul 2019 00:23

Tgt Ion:	83	Resp:	1693
Ion Ratio	Lower	Upper	
83	100		
85	60.7	45.1	83.7
131	16.7	10.3	15.5#





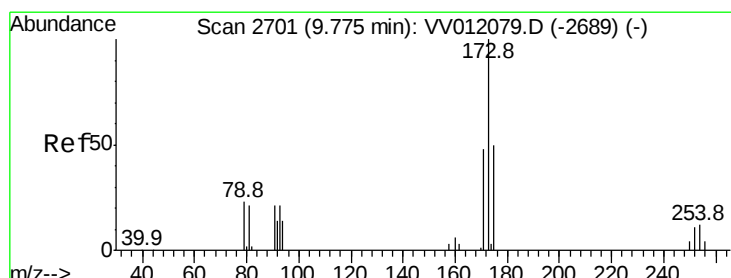
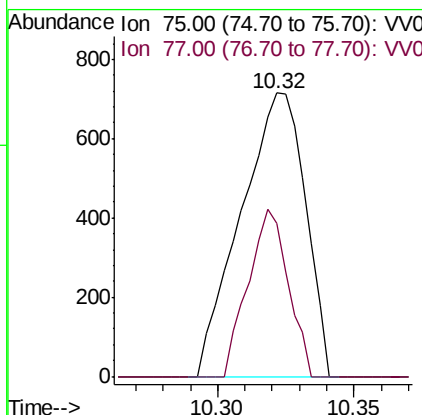
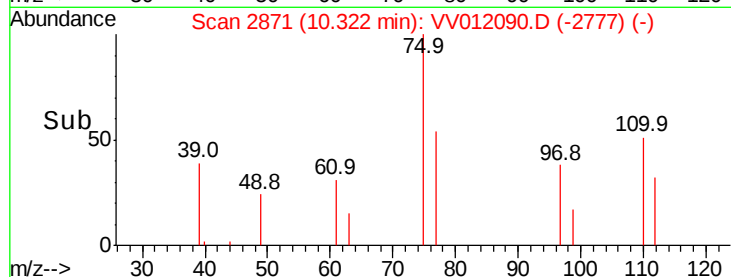
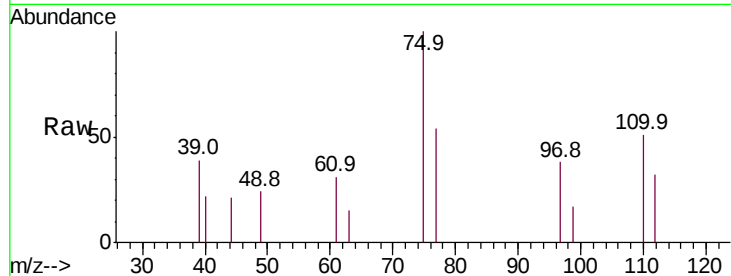
#59
 1,2,3-Trichloropropane
 Concen: 0.281 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion: 75 Resp: 1175
 Ion Ratio Lower Upper
 75 100
 77 36.4 26.9 40.3

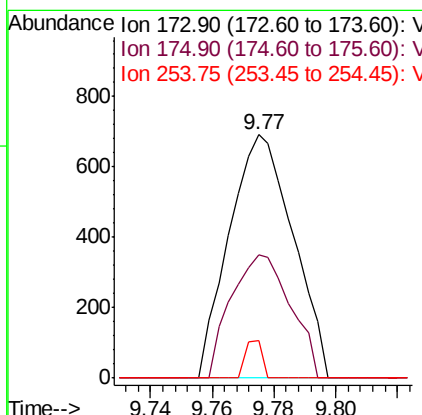
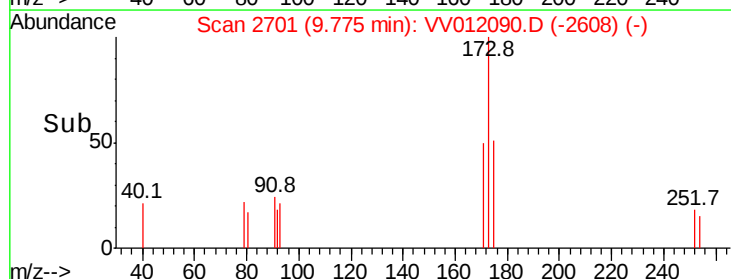
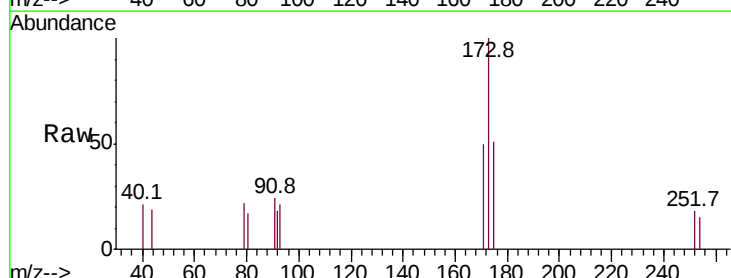
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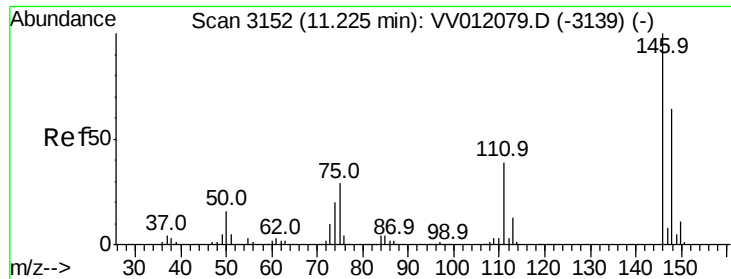
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#61
 Bromoform
 Concen: 0.296 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Tgt Ion:173 Resp: 989
 Ion Ratio Lower Upper
 173 100
 175 47.3 39.4 59.2
 254 4.1 8.7 13.1#





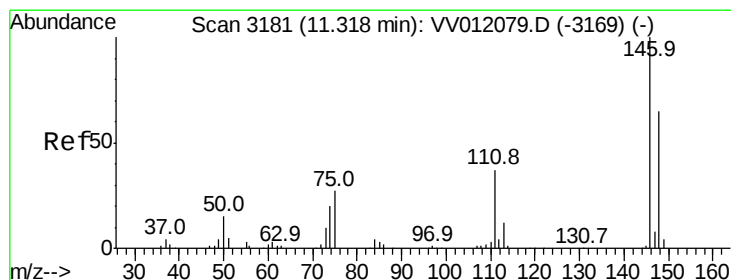
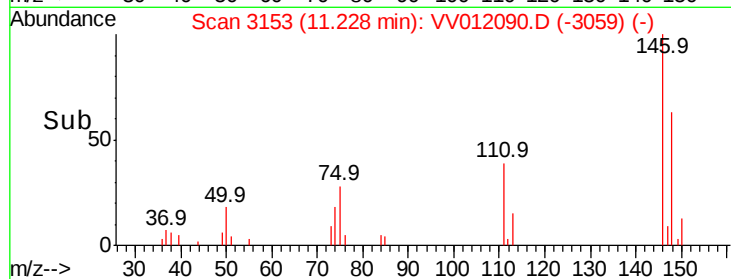
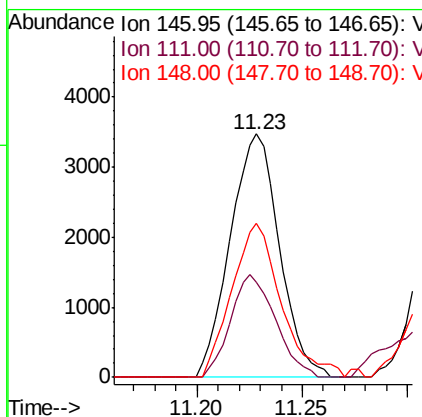
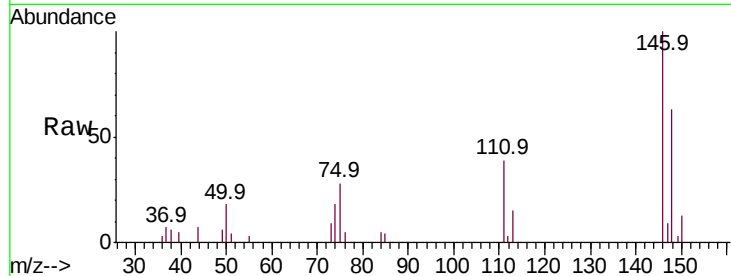
#62
 1,3-Dichlorobenzene
 Concen: 0.324 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	27.2	50.6
148	63.1	45.9	85.3

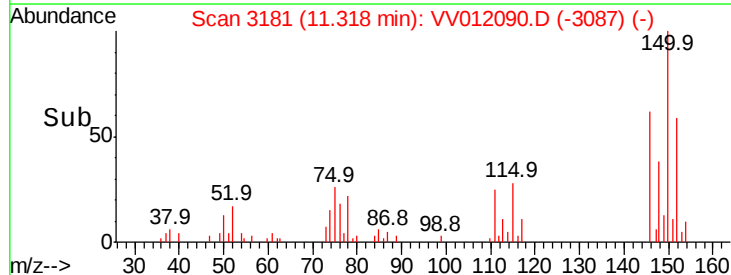
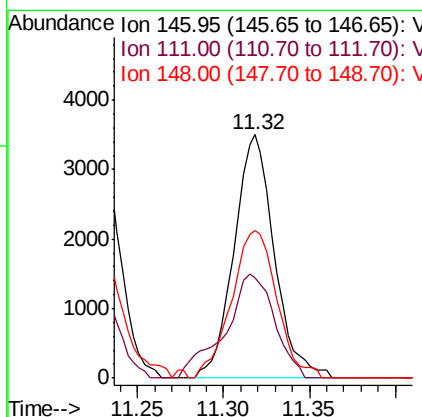
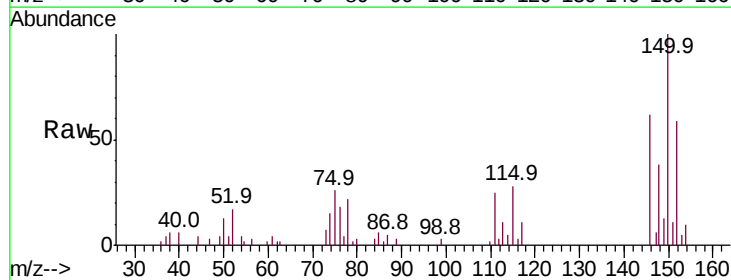
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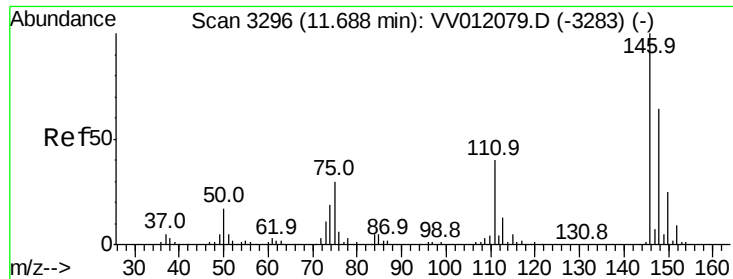
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#63
 1,4-Dichlorobenzene
 Concen: 0.323 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	25.4	47.2
148	60.8	43.5	80.7





#65

1,2-Dichlorobenzene

Concen: 0.385 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV012090.D

Acq: 31 Jul 2019 00:23

Instrument :

MSVOA_V

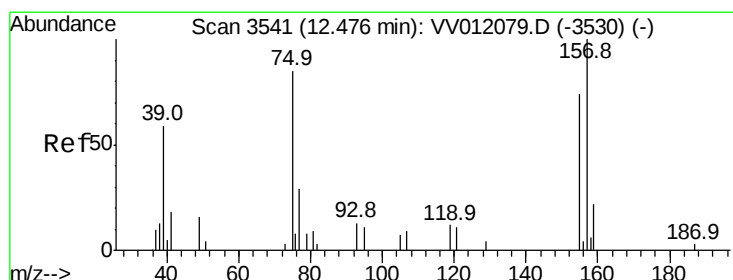
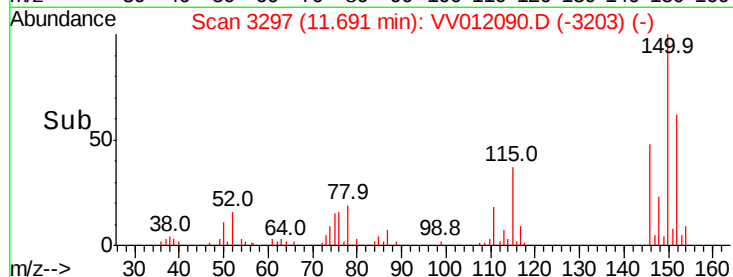
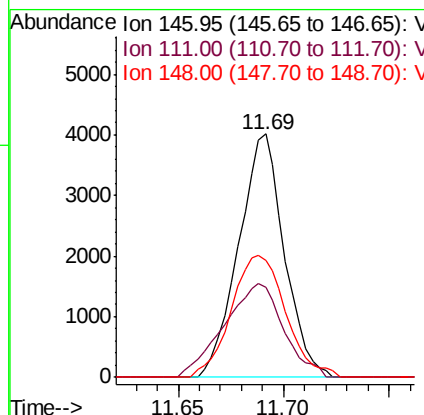
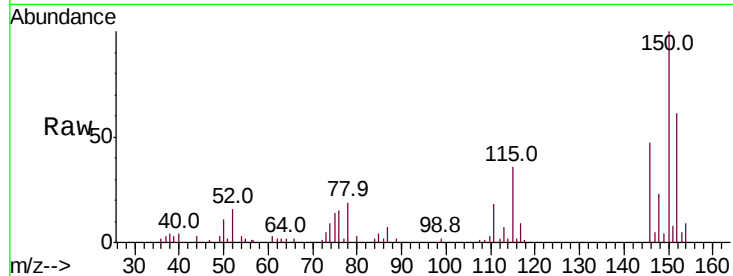
ClientSampled :

MDL07

Tot Ion:	146	Resp:	6018
Ion Ratio	Lower	Upper	
146	100		
111	37.1	32.3	48.5
148	48.2	49.9	74.9#

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8/1/2019 9:58:43 AM



#66

1,2-Dibromo-3-chloropropane

Concen: 0.438 ug/L

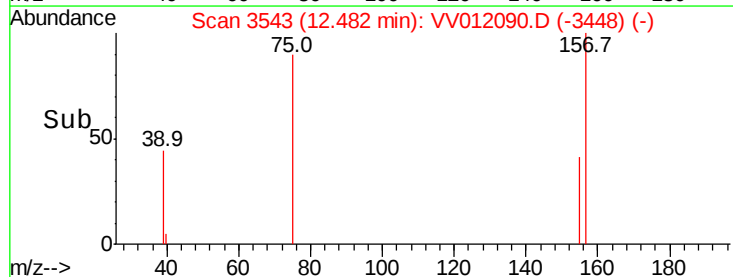
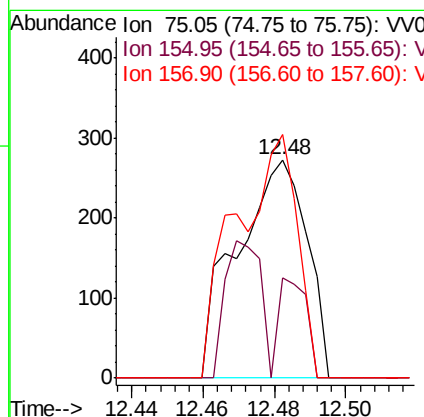
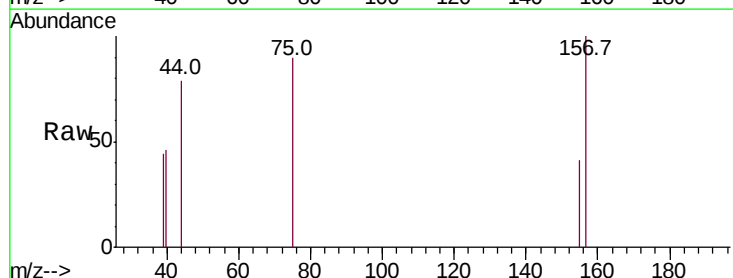
RT: 12.48 min Scan# 3543

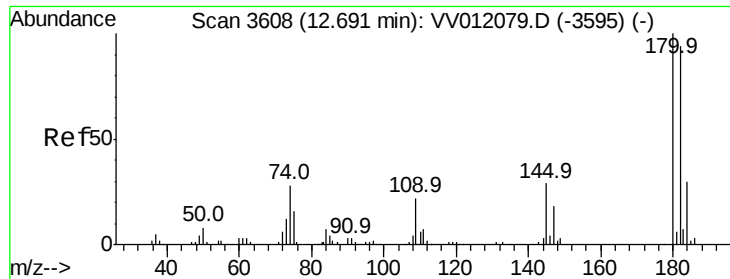
Delta R.T. 0.01 min

Lab File: VV012090.D

Acq: 31 Jul 2019 00:23

Tgt Ion:	75	Resp:	368
Ion Ratio	Lower	Upper	
75	100		
155	46.2	66.9	100.3#
157	111.4	81.8	122.6





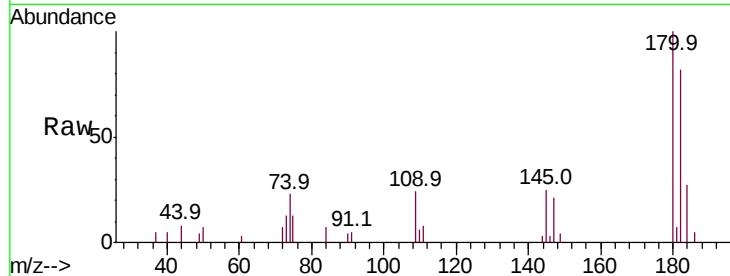
#67
 1,3,5-Trichlorobenzene
 Concen: 0.349 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL07

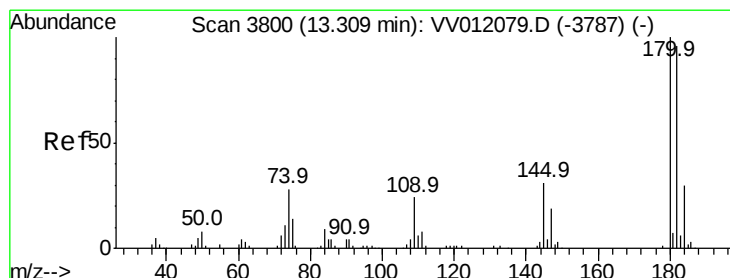
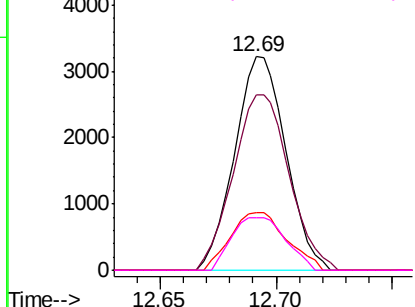
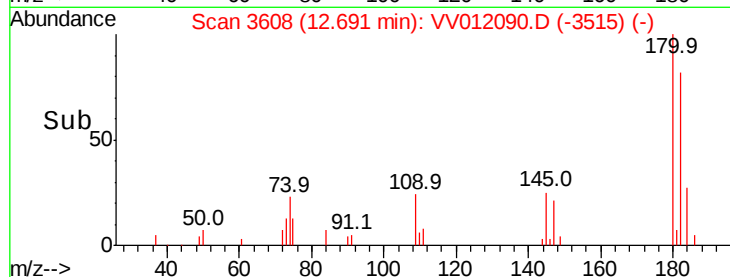
Tot Ion:	180	Resp:	4944
Ion	Ratio	Lower	Upper
180	100		
182	89.6	76.6	115.0
184	29.6	23.8	35.8
145	26.1	22.6	33.8

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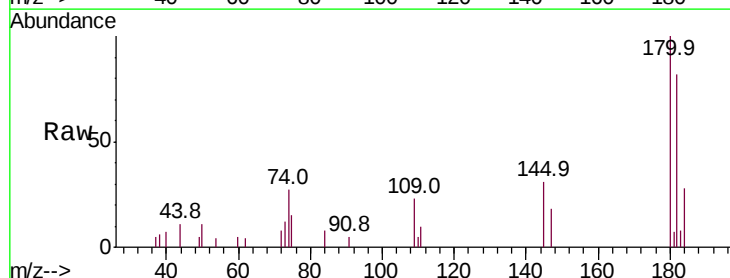


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

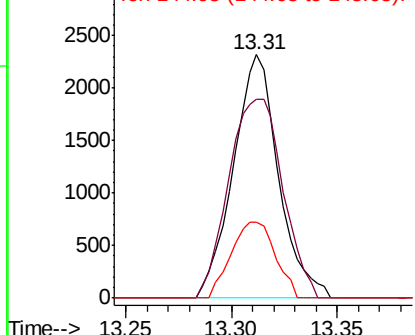
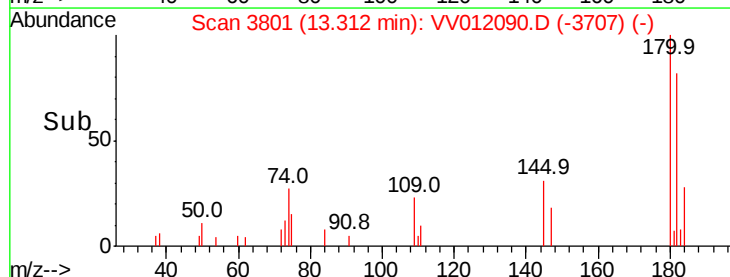


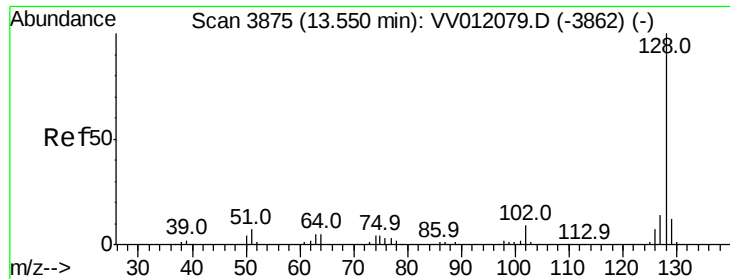
#68
 1,2,4-trichlorobenzene
 Concen: 0.301 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV012090.D
 Acq: 31 Jul 2019 00:23

Tgt Ion:	180	Resp:	3451
Ion	Ratio	Lower	Upper
180	100		
182	97.9	75.4	113.0
145	30.3	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: 0.264 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV012090.D

Acq: 31 Jul 2019 00:23

Instrument :

MSVOA_V

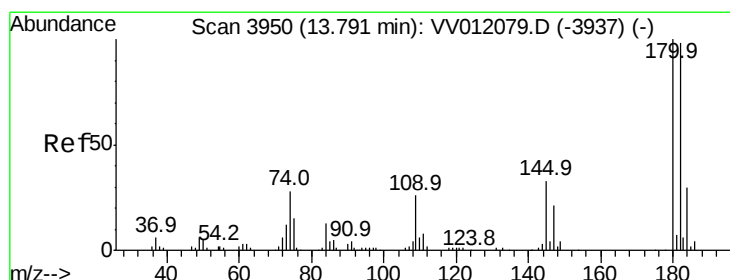
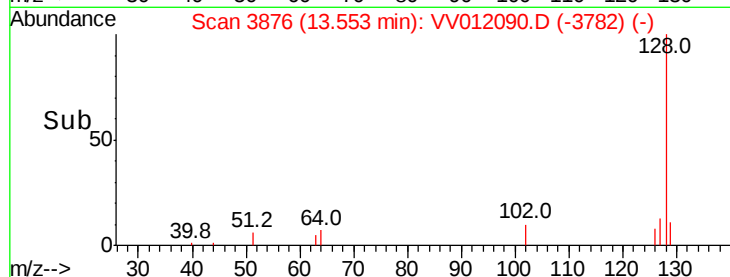
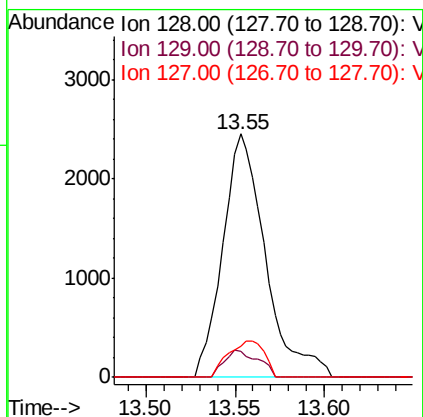
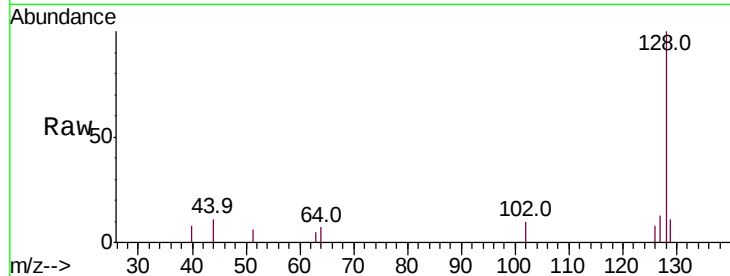
ClientSampleId :

MDL07

Tot Ion:	128	Resp:	4067
Ion	Ratio	Lower	Upper
128	100		
129	8.8	8.4	12.6
127	12.5	10.0	15.0

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#70

1,2,3-Trichlorobenzene

Concen: 0.278 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.01 min

Lab File: VV012090.D

Acq: 31 Jul 2019 00:23

Tgt Ion:	180	Resp:	2831
Ion	Ratio	Lower	Upper
180	100		
182	101.5	76.5	114.7
145	36.0	24.4	36.6

