

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080719\
 Data File : VV012124.D
 Acq On : 07 Aug 2019 13:44
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 11:45:20 AM

Quant Time: Aug 08 01:35:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 08 01:11:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	229149	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	214903	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	110801	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56675	45.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.50%
7) Chloroethane-d5	1.58	69	38606	43.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.84%
11) 1,1-Dichloroethene-d2	2.13	63	72939	33.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.18%
21) 2-Butanone-d5	3.92	46	95772	104.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.94%
24) Chloroform-d	4.40	84	149116	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
26) 1,2-Dichloroethane-d4	5.08	65	103167	51.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.20%
32) Benzene-d6	5.10	84	286670	46.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.70%
36) 1,2-Dichloropropane-d6	6.12	67	84505	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.34%
41) Toluene-d8	7.36	98	284760	47.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.52%
43) trans-1,3-Dichloropropene-	7.66	79	50830	49.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.80%
47) 2-Hexanone-d5	8.13	63	81245	109.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.20%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	135312	53.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.18%
66) 1,2-Dichlorobenzene-d4	11.67	152	133646	51.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5257	3.248 ug/L	98
3) Chloromethane	1.25	50	3931	3.421 ug/L	98
5) Vinyl chloride	1.33	62	3255	2.934 ug/L #	61
6) Bromomethane	1.53	94	1972	3.062 ug/L	99
8) Chloroethane	1.60	64	1518	2.613 ug/L	88
9) Trichlorofluoromethane	1.77	101	4868	2.699 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3028	3.425 ug/L #	59
12) 1,1-Dichloroethene	2.14	96	2859	3.434 ug/L #	1
13) Acetone	2.19	43	3493	5.613 ug/L	91
14) Carbon disulfide	2.32	76	7789	2.769 ug/L	96
15) Methyl Acetate	2.46	43	2974	2.731 ug/L	96
16) Methylene chloride	2.53	84	3694	2.924 ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	3304	2.811 ug/L	94
18) Methyl tert-butyl Ether	2.80	73	11780	2.916 ug/L #	90
19) 1,1-Dichloroethane	3.23	63	6082m	2.837 ug/L	
20) cis-1,2-Dichloroethene	3.96	96	4076m	2.944 ug/L	
22) 2-Butanone	4.03	43	4424	5.516 ug/L	96

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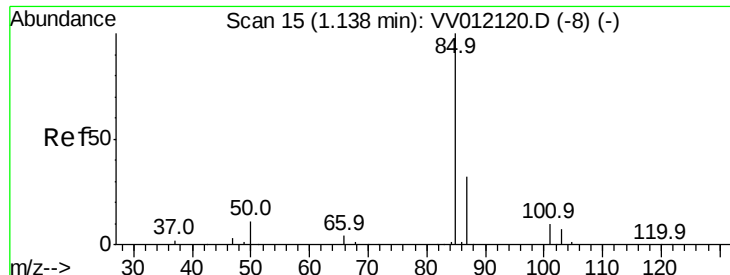
MMDadoda
 8/8/2019 11:45:20 AM

Quant Time: Aug 08 01:35:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

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

23) Bromochloromethane	4.31	128	2182m	2.866	ug/L	
25) Chloroform	4.42	83	8619	3.547	ug/L	78
27) 1,2-Dichloroethane	5.18	62	5771	3.056	ug/L #	93
29) Cyclohexane	4.72	56	4368	2.431	ug/L #	93
30) 1,1,1-Trichloroethane	4.66	97	6522	2.857	ug/L #	86
31) Carbon tetrachloride	4.88	117	5571	2.631	ug/L	88
33) Benzene	5.15	78	12387	2.504	ug/L	100
34) Trichloroethene	5.96	95	3877	2.820	ug/L	90
35) Methylcyclohexane	6.18	83	6000	2.932	ug/L	95
37) 1,2-Dichloropropane	6.22	63	3385m	2.805	ug/L	
38) Bromodichloromethane	6.56	83	5390	2.840	ug/L #	85
39) cis-1,3-Dichloropropene	7.07	75	6012	2.826	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	8789	5.659	ug/L	99
42) Toluene	7.43	91	16258	2.958	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	5306	2.642	ug/L	89
45) 1,1,2-Trichloroethane	7.88	97	3793	2.916	ug/L	96
46) Tetrachloroethene	8.02	164	3740	2.919	ug/L	90
48) 2-Hexanone	8.18	43	7873	6.724	ug/L	91
49) Dibromochloromethane	8.29	129	4665	2.764	ug/L	92
50) 1,2-Dibromoethane	8.40	107	4407	3.064	ug/L	99
51) Chlorobenzene	8.93	112	11008	2.970	ug/L	93
52) Ethylbenzene	9.05	91	17939	2.909	ug/L	99
53) m,p-Xylene	9.18	106	6580	2.766	ug/L	97
54) o-Xylene	9.59	106	7170	3.037	ug/L	96
55) Styrene	9.60	104	10897	2.740	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.28	83	6560	3.280	ug/L #	92
59) Bromoform	9.77	173	3794	2.919	ug/L #	93
60) Isopropylbenzene	9.97	105	17505	2.886	ug/L	96
61) 1,2,3-Trichloropropane	10.32	75	5273	3.505	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	15148	2.889	ug/L	96
63) 1,2,4-Trimethylbenzene	10.96	105	14648	2.830	ug/L	98
64) 1,3-Dichlorobenzene	11.23	146	9113	2.978	ug/L	94
65) 1,4-Dichlorobenzene	11.32	146	10236	3.309	ug/L	96
67) 1,2-Dichlorobenzene	11.69	146	9937	3.182	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.47	75	1602	3.231	ug/L #	76
69) 1,3,5-Trichlorobenzene	12.69	180	6681	2.693	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	4632	2.153	ug/L	94
71) Naphthalene	13.56	128	10539	1.933	ug/L	95
72) 1,2,3-Trichlorobenzene	13.79	180	4720	2.180	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 3.248 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 85 Resp: 5257

Ion Ratio Lower Upper

85 100

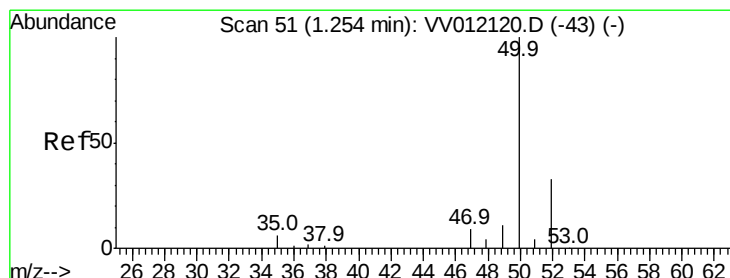
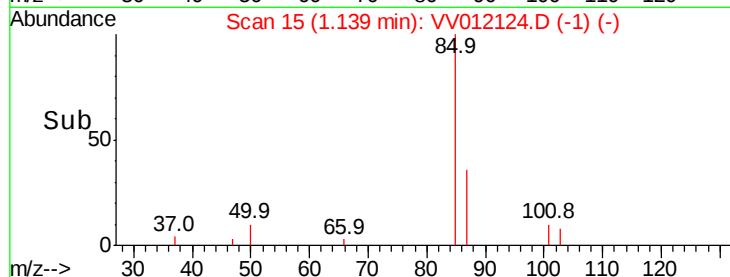
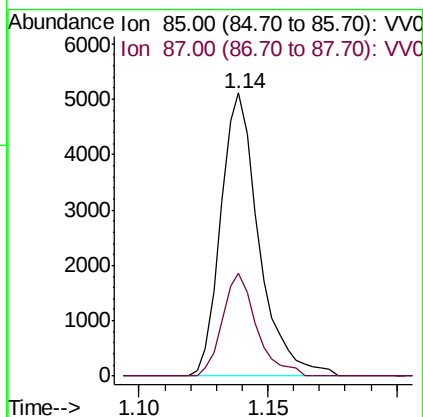
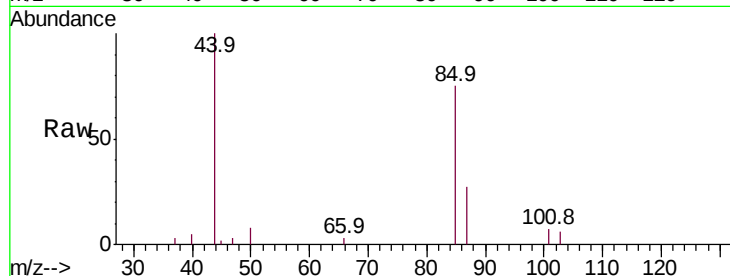
87 32.5 25.3 37.9

Manual Integrations

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#3

Chloromethane

Concen: 3.421 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012124.D

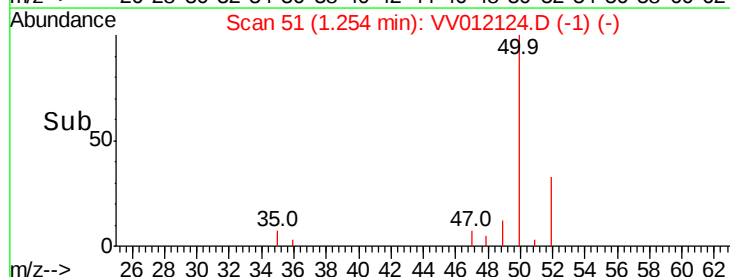
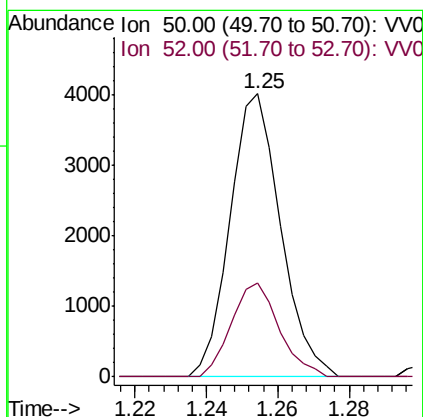
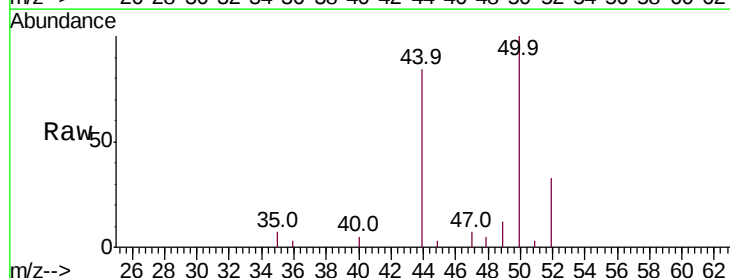
Acq: 07 Aug 2019 13:44

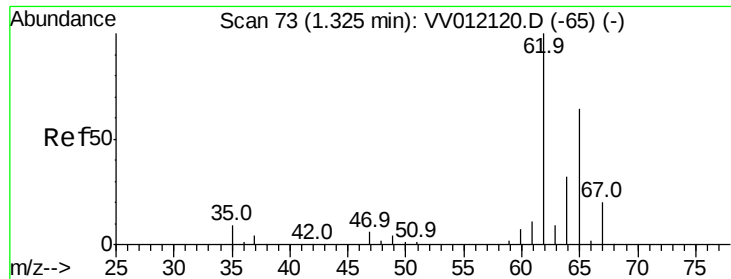
Tgt Ion: 50 Resp: 3931

Ion Ratio Lower Upper

50 100

52 33.2 23.9 44.3





#5

Vinyl chloride

Concen: 2.934 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 62 Resp: 3255

Ion Ratio Lower Upper

62 100

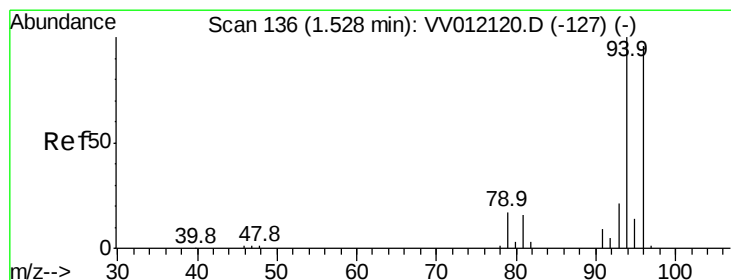
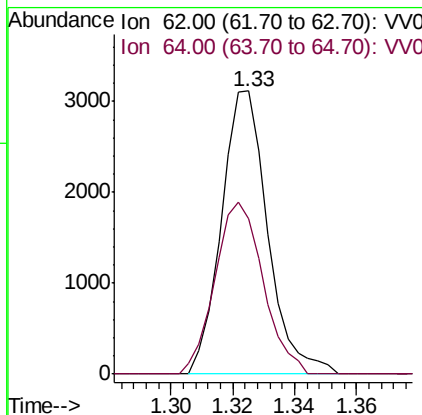
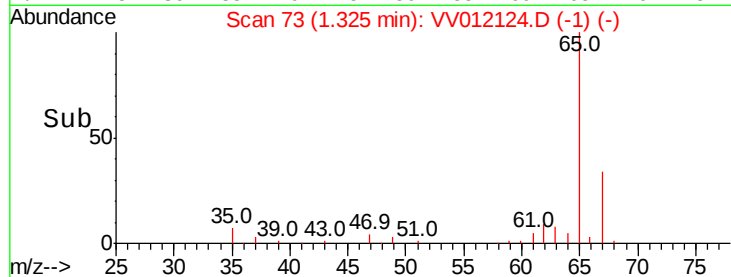
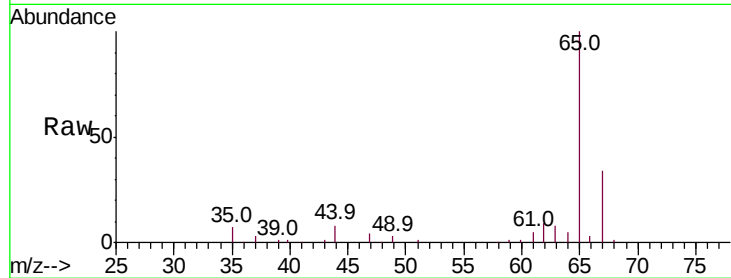
64 55.0 23.0 42.8#

Manual Integrations

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#6

Bromomethane

Concen: 3.062 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV012124.D

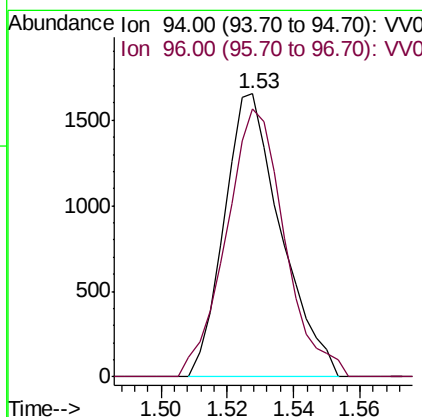
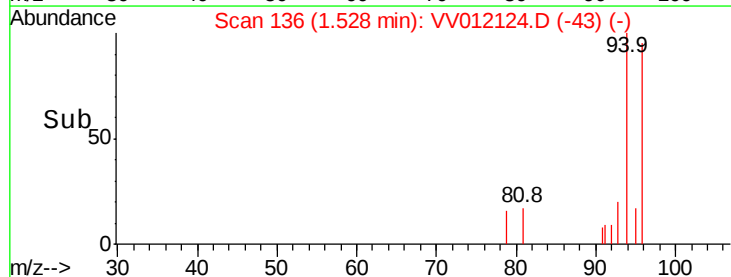
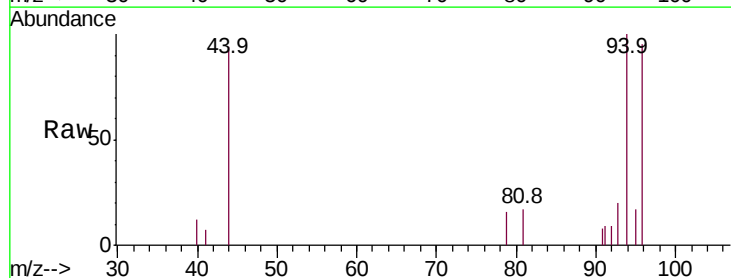
Acq: 07 Aug 2019 13:44

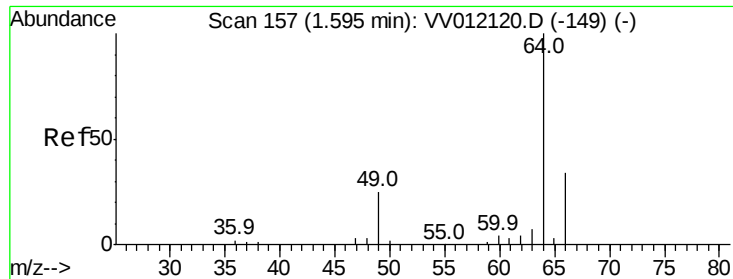
Tgt Ion: 94 Resp: 1972

Ion Ratio Lower Upper

94 100

96 94.6 66.8 124.0





#8

Chloroethane

Concen: 2.613 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 64 Resp: 1518

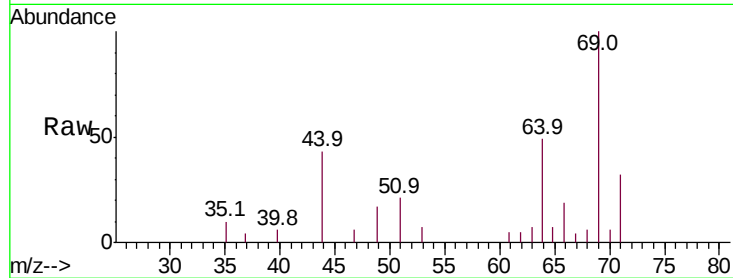
Ion Ratio Lower Upper

64 100

66 38.8 22.6 42.0

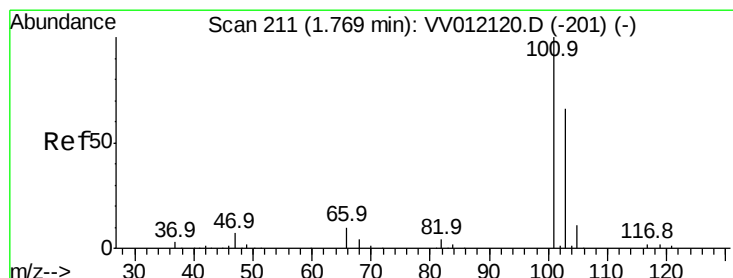
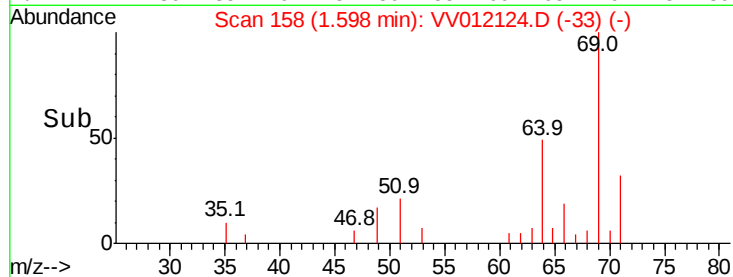
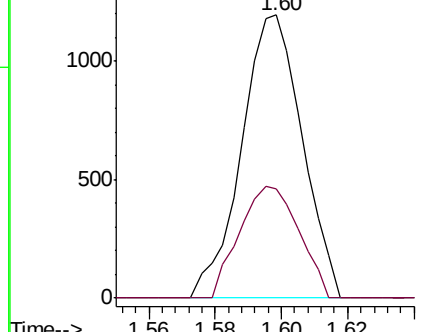
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Abundance Ion 64.00 (63.70 to 64.70): VV012120.D (-149) (-)

Ion 66.00 (65.70 to 66.70): VV012120.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 2.699 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012124.D

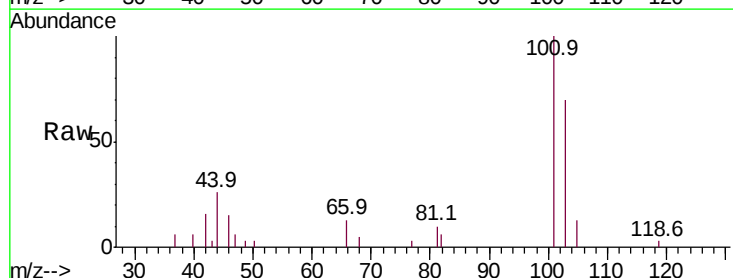
Acq: 07 Aug 2019 13:44

Tgt Ion: 101 Resp: 4868

Ion Ratio Lower Upper

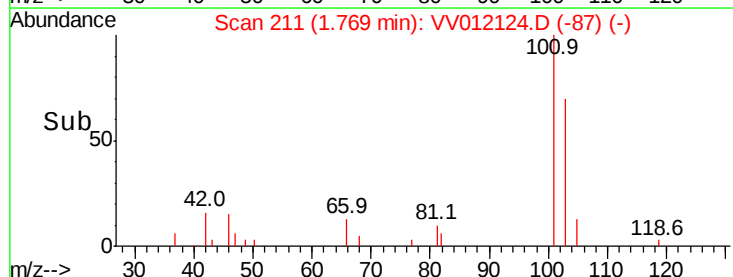
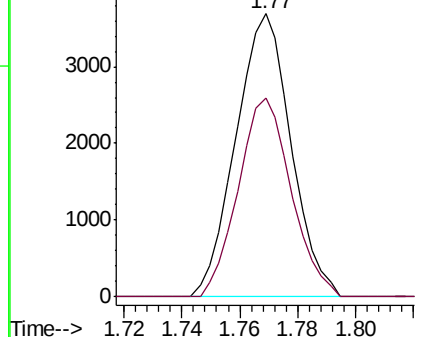
101 100

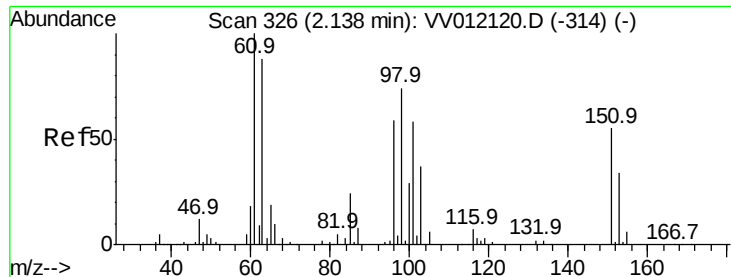
103 67.3 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV012120.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV012120.D (-201) (-)





#10

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

Concen: 3.425 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Instrument :

MSVOA_V

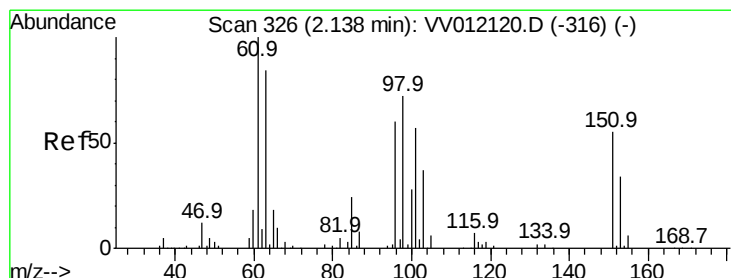
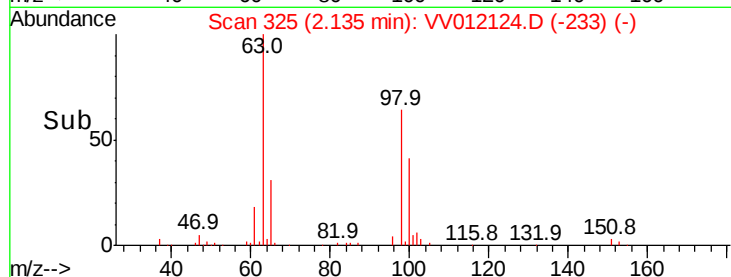
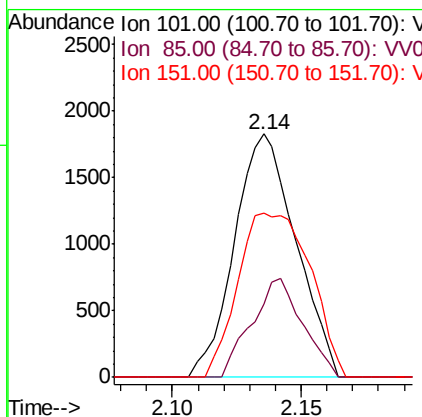
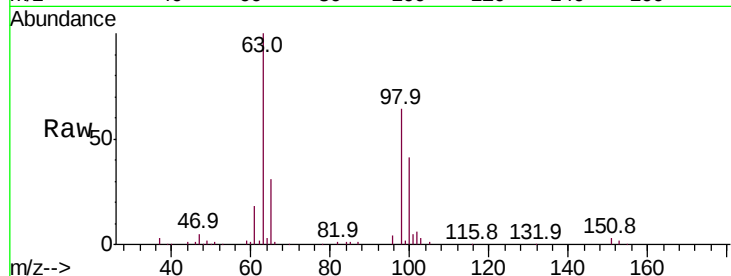
ClientSampled :

MDL04

Tot Ion:	101	Resp:	3028
Ion Ratio	Lower	Upper	
101	100		
85	33.7	34.4	51.6#
151	40.3	72.2	108.2#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 3.434 ug/L

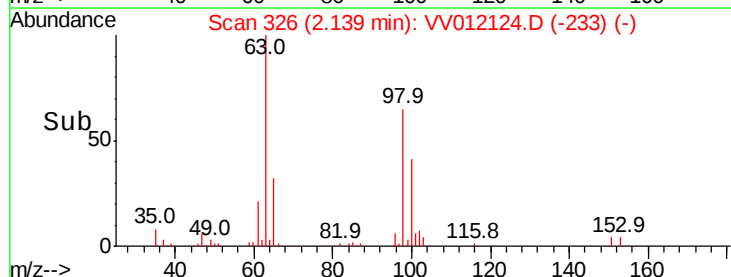
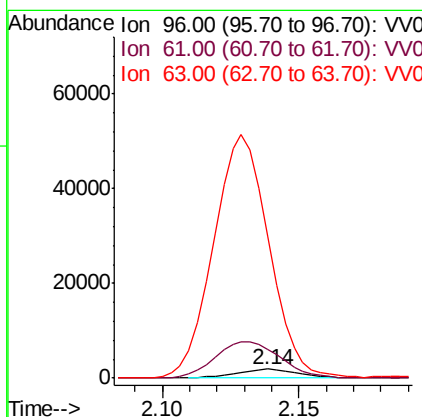
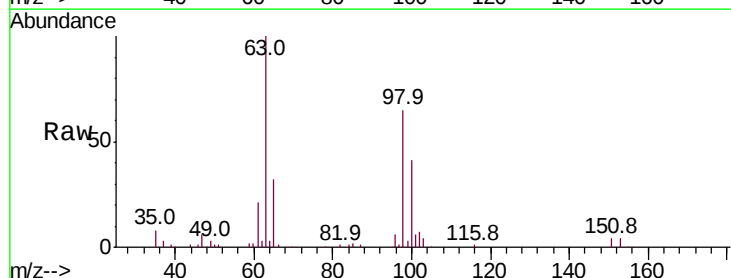
RT: 2.14 min Scan# 326

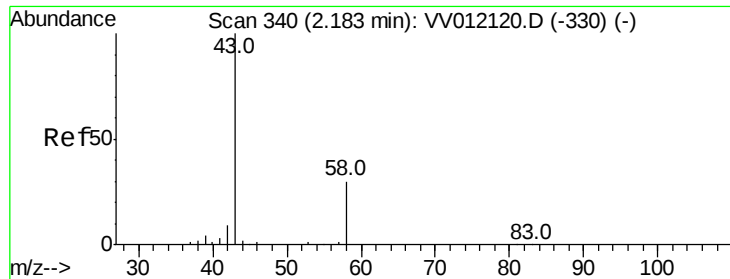
Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Tgt Ion:	96	Resp:	2859
Ion Ratio	Lower	Upper	
96	100		
61	326.1	120.0	223.0#
63	1575.8	98.3	182.7#





#13

Acetone

Concen: 5.613 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 43 Resp: 3493

Ion Ratio Lower Upper

43 100

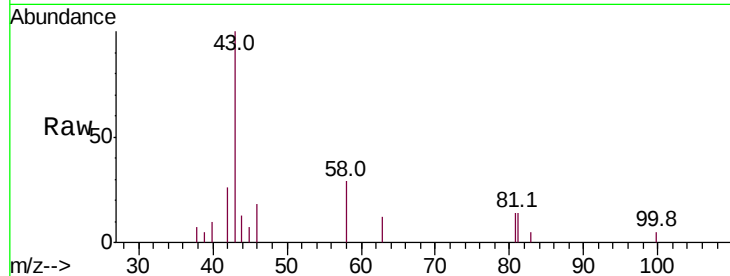
58 24.7 0.0 59.2

Manual Integrations

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MMDadoda

8/8/2019 11:45:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VV012120.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV012120.D (-330) (-)

2.19

2000

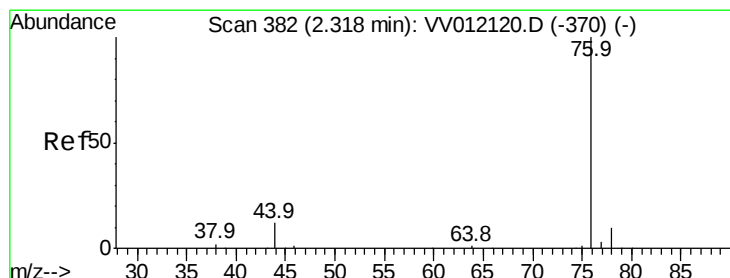
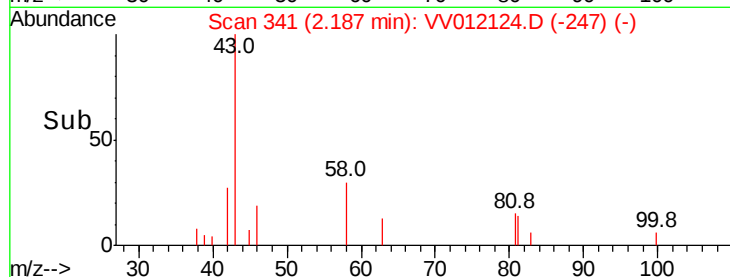
1500

1000

500

0

Time-->



#14

Carbon disulfide

Concen: 2.769 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012124.D

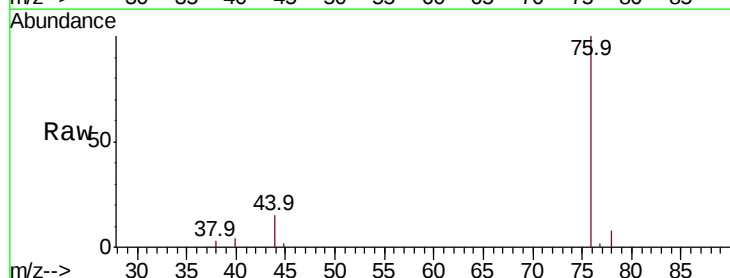
Acq: 07 Aug 2019 13:44

Tgt Ion: 76 Resp: 7789

Ion Ratio Lower Upper

76 100

78 7.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV012120.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV012120.D (-370) (-)

2.32

6000

5000

4000

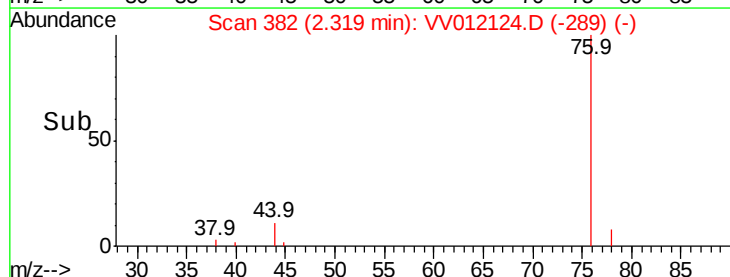
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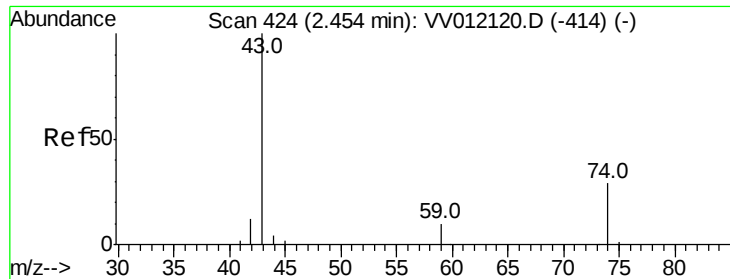
2000

1000

0

Time-->





#15

Methvl Acetate

Concen: 2.731 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 43 Resp: 2974

Ion Ratio Lower Upper

43 100

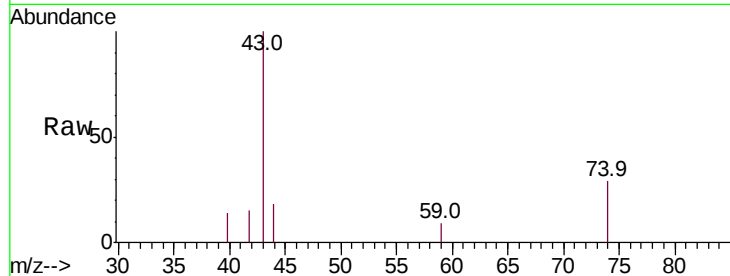
74 25.0 21.8 32.6

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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.46

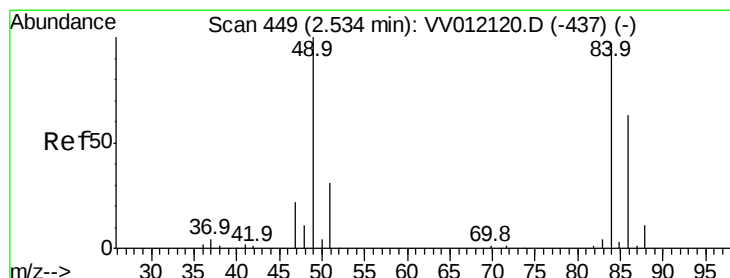
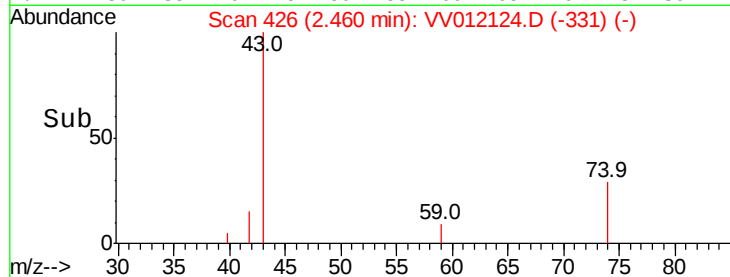
1500

1000

500

0

Time-->



#16

Methylene chloride

Concen: 2.924 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

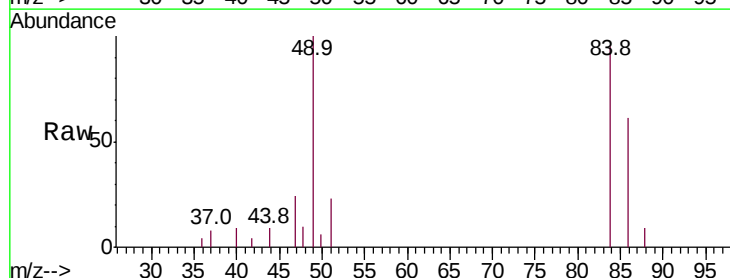
Tgt Ion: 84 Resp: 3694

Ion Ratio Lower Upper

84 100

86 64.3 45.7 84.9

49 105.3 76.6 142.2



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

3000

2500

2000

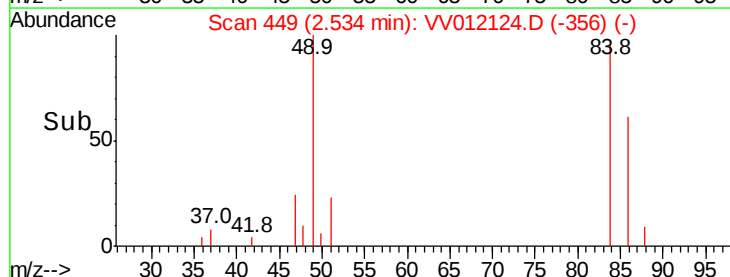
1500

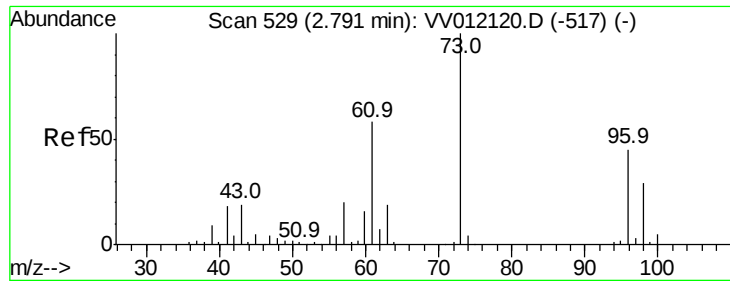
1000

500

0

Time-->





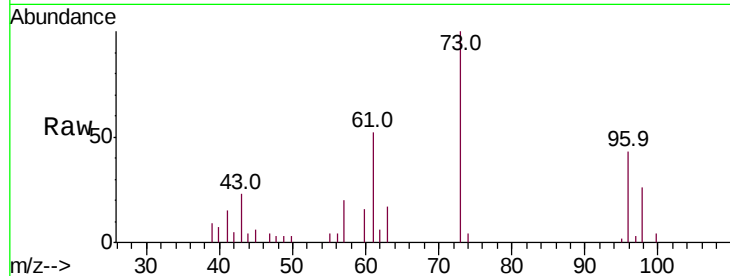
#17
trans-1,2-Dichloroethene
Concen: 2.811 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV012124.D
Acq: 07 Aug 2019 13:44

Instrument :
MSVOA_V
ClientSampled :
MDL04

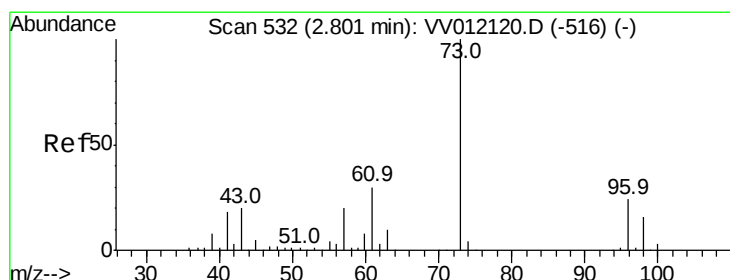
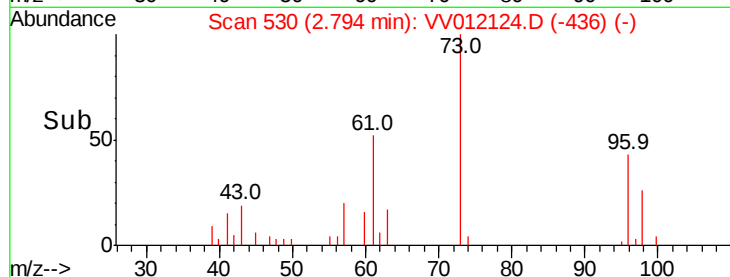
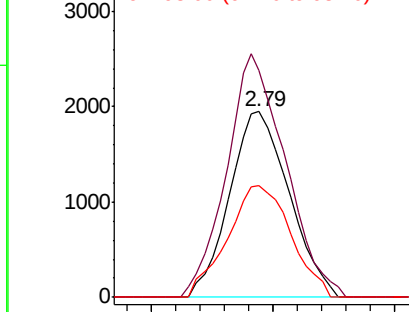
Tot Ion: 96 Resp: 3304
Ion Ratio Lower Upper
96 100
61 122.0 90.6 168.3
98 60.2 44.2 82.2

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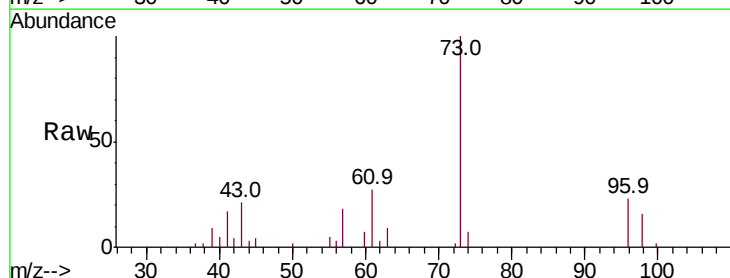


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

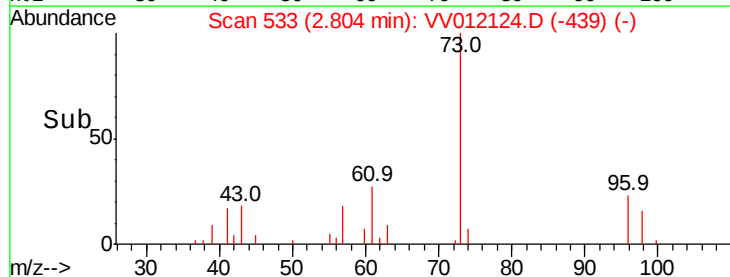
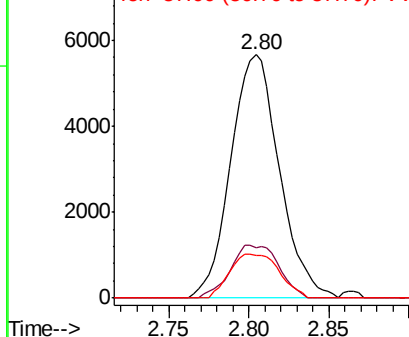


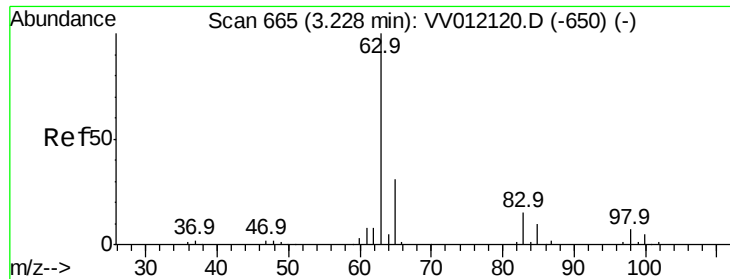
#18
Methyl tert-butyl Ether
Concen: 2.916 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV012124.D
Acq: 07 Aug 2019 13:44

Tgt Ion: 73 Resp: 11780
Ion Ratio Lower Upper
73 100
43 12.1 15.6 23.4#
57 18.4 16.0 24.0



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





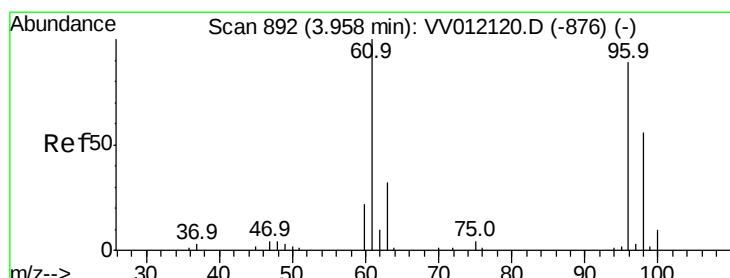
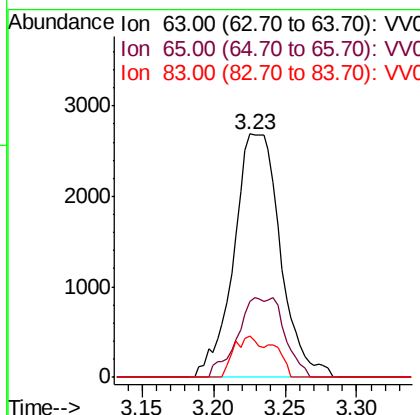
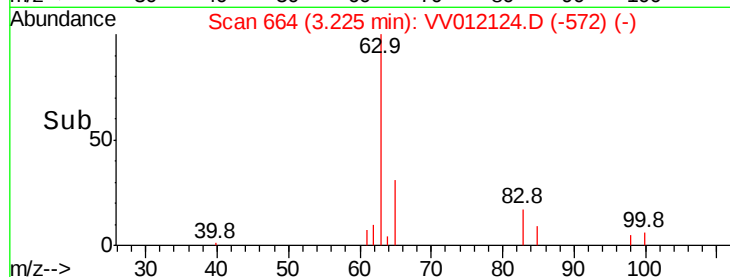
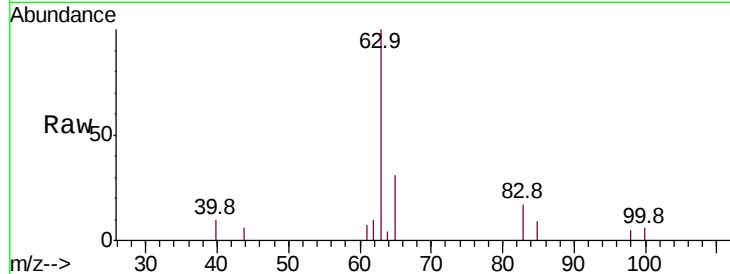
#19
 1,1-Dichloroethane
 Concen: 2.837 ug/L m
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV012124.D
 Acq: 07 Aug 2019 13:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion:	63	Resp:	6082
Ion	Ratio	Lower	Upper
63	100		
65	31.0	22.3	41.3
83	16.8	10.3	19.1

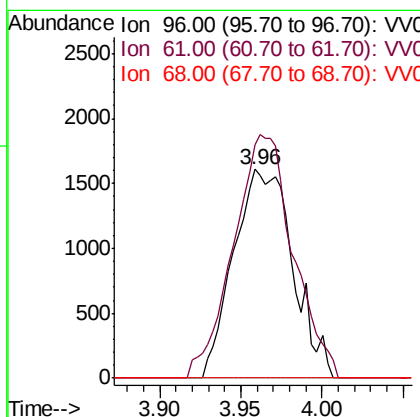
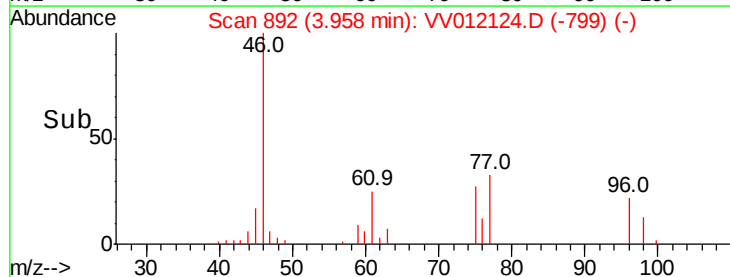
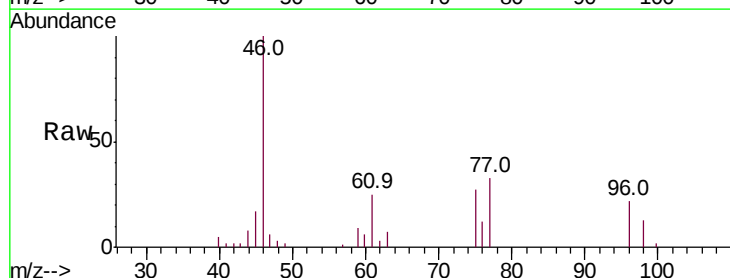
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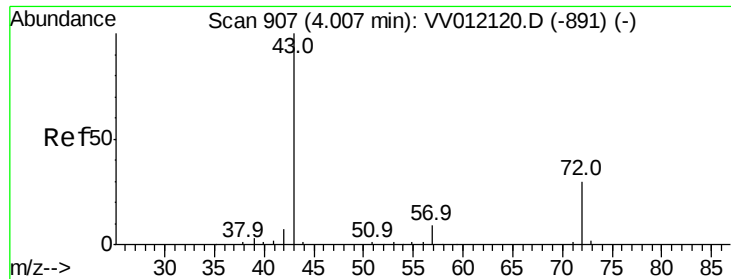
MMDadoda
 8/8/2019 11:45:20 AM



#20
 cis-1,2-Dichloroethene
 Concen: 2.944 ug/L m
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012124.D
 Acq: 07 Aug 2019 13:44

Tgt Ion:	96	Resp:	4076
Ion	Ratio	Lower	Upper
96	100		
61	112.0	80.0	148.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 5.516 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.02 min

Lab File: VV012124.D

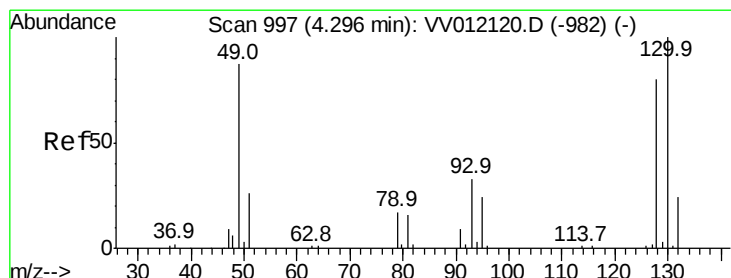
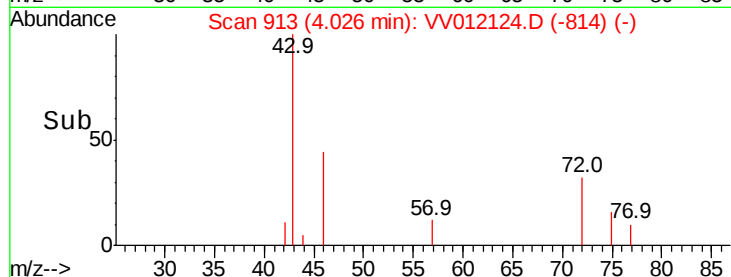
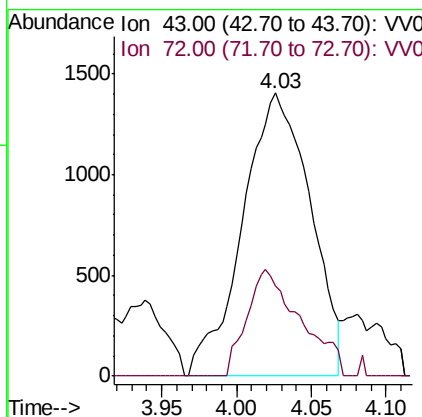
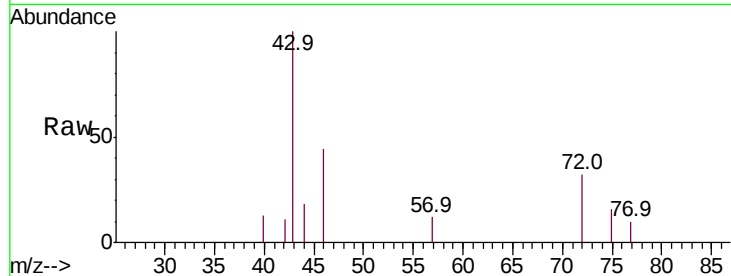
Acq: 07 Aug 2019 13:44

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion: 43 Resp: 4424
Ion Ratio Lower Upper
43 100
72 27.6 15.0 45.0

Manual Integrations
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#23

Bromochloromethane

Concen: 2.866 ug/L m

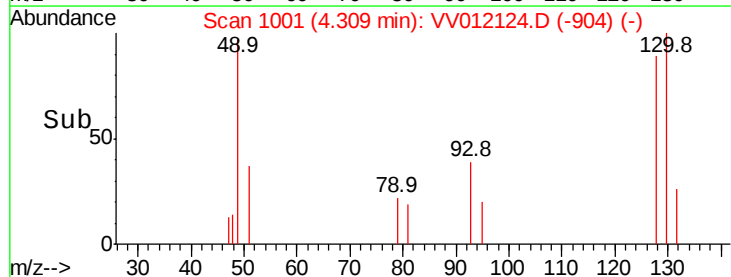
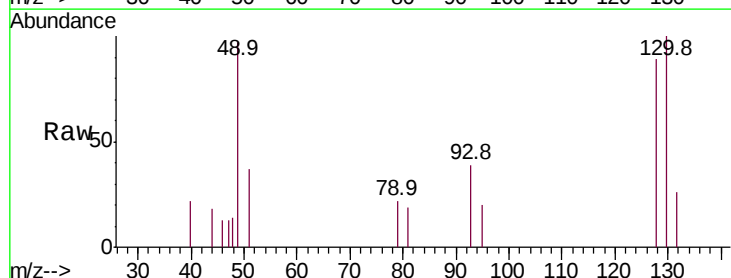
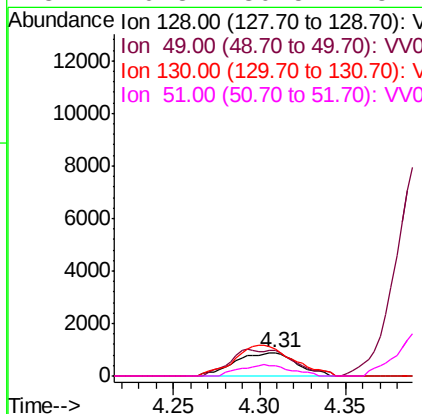
RT: 4.31 min Scan# 1001

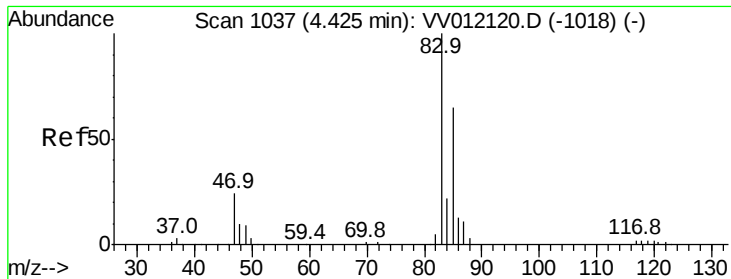
Delta R.T. 0.01 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Tgt Ion: 128 Resp: 2182
Ion Ratio Lower Upper
128 100
49 108.7 84.6 157.2
130 111.8 89.9 167.0
51 40.8 30.5 45.7





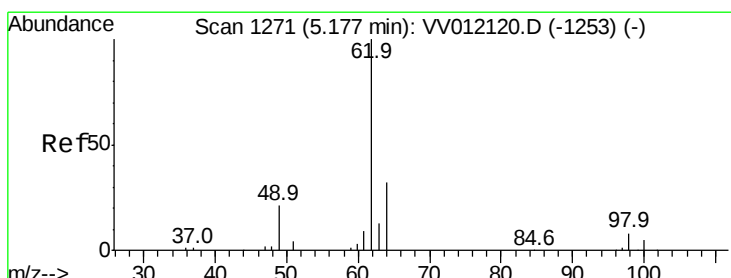
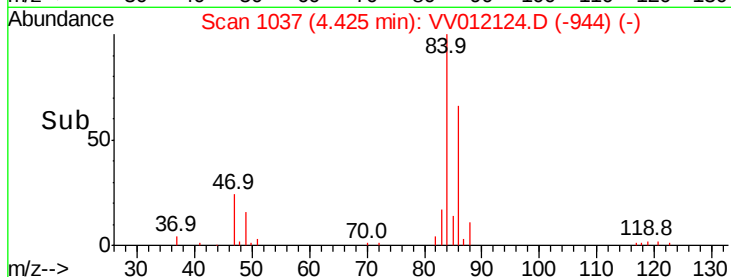
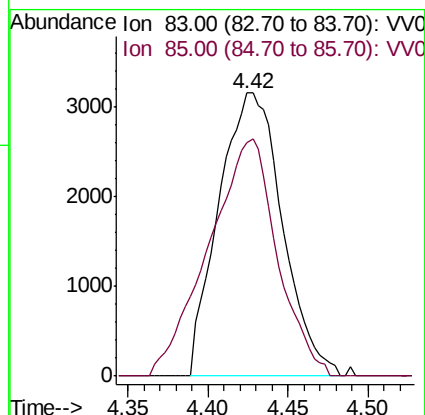
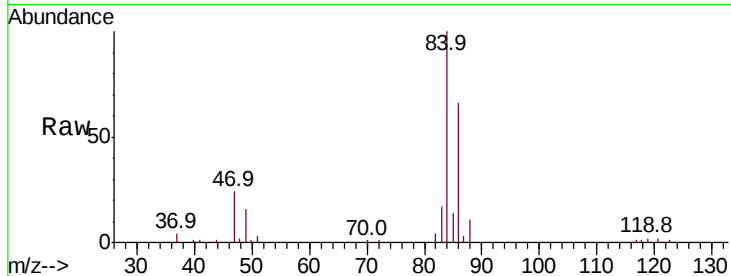
#25
Chloroform
Concen: 3.547 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012124.D
Acq: 07 Aug 2019 13:44

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion: 83 Resp: 8619
Ion Ratio Lower Upper
83 100
85 82.7 45.8 85.2

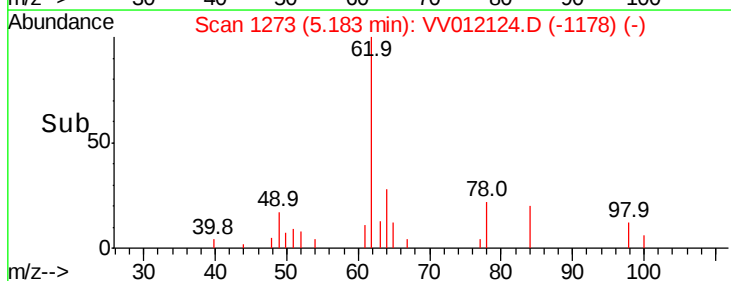
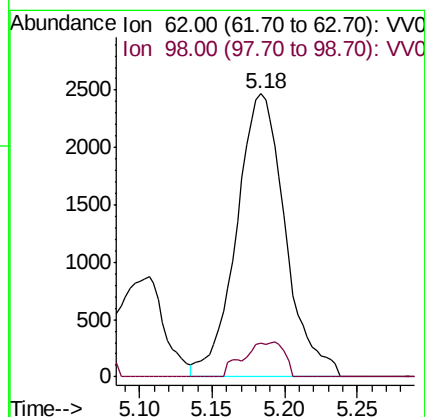
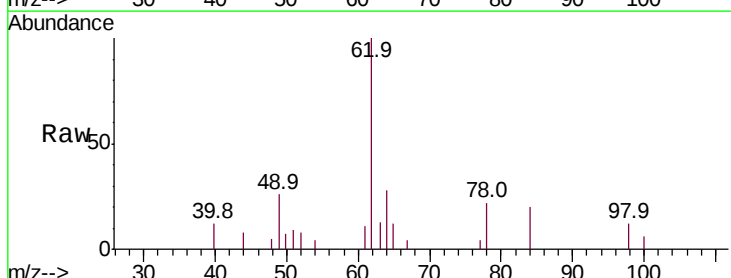
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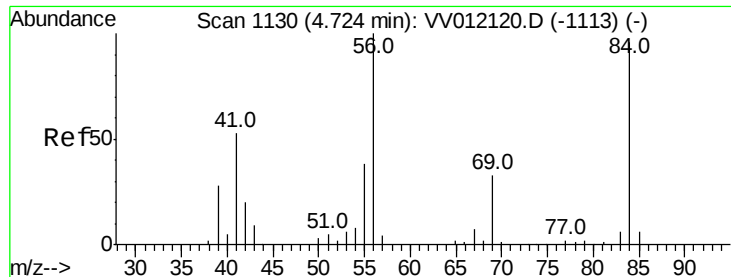
MMDadoda
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#27
1,2-Dichloroethane
Concen: 3.056 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV012124.D
Acq: 07 Aug 2019 13:44

Tgt Ion: 62 Resp: 5771
Ion Ratio Lower Upper
62 100
98 12.0 7.5 11.3#





#29

Cyclohexane

Concen: 2.431 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

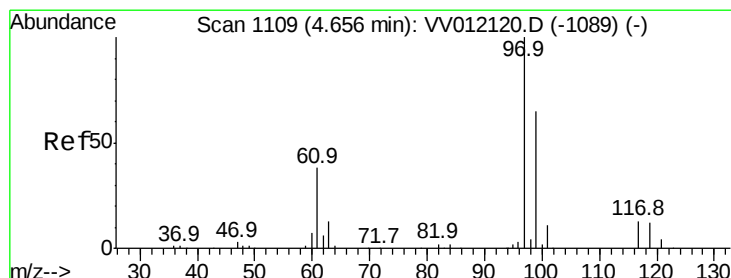
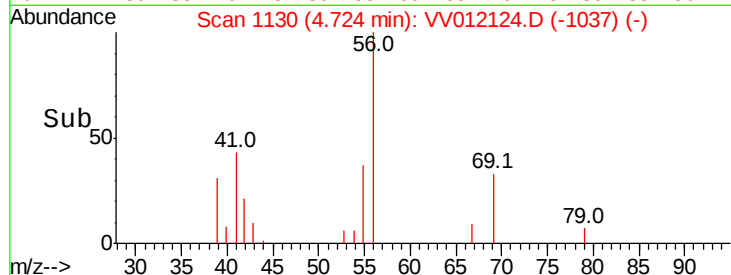
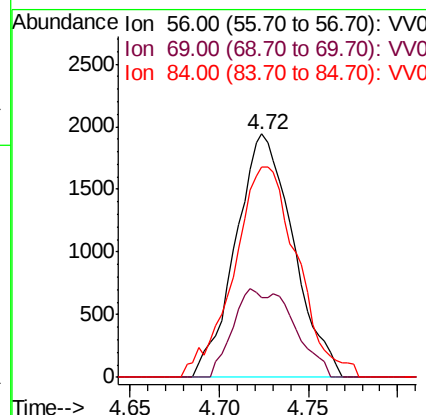
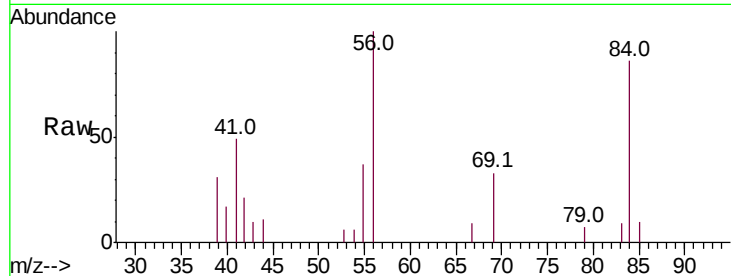
MDL04

Tot Ion: 56 Resp: 4368

Ion	Ratio	Lower	Upper
56	100		
69	18.6	25.8	38.8#
84	94.6	76.0	114.0

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MMDadoda
8/8/2019 11:45:20 AM



#30

1,1,1-Trichloroethane

Concen: 2.857 ug/L

RT: 4.66 min Scan# 1110

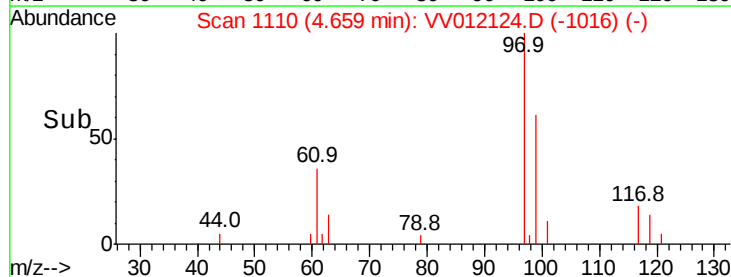
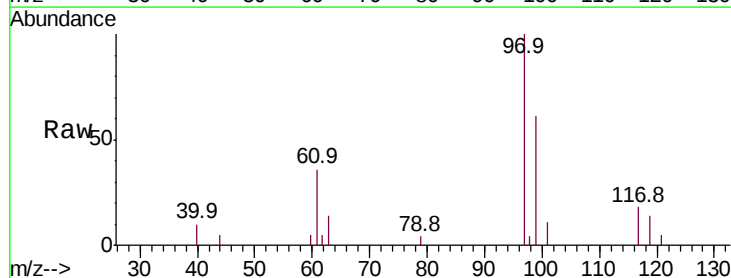
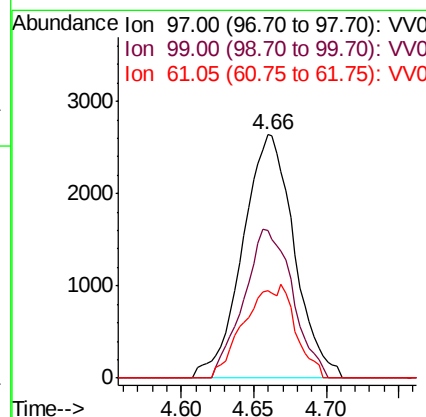
Delta R.T. 0.00 min

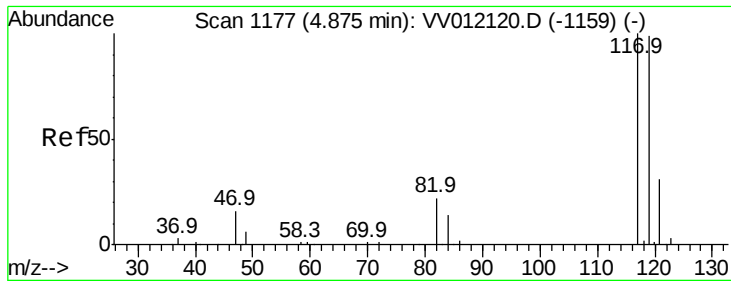
Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Tgt Ion: 97 Resp: 6522

Ion	Ratio	Lower	Upper
97	100		
99	57.9	51.1	76.7
61	24.8	31.3	46.9#





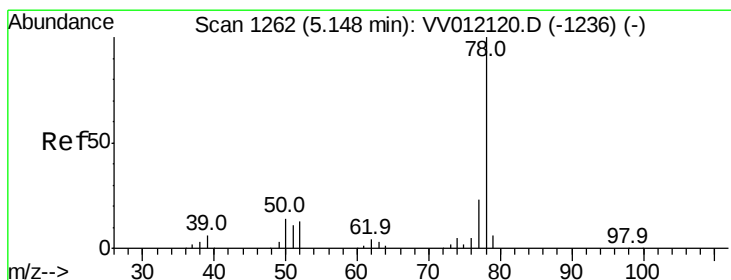
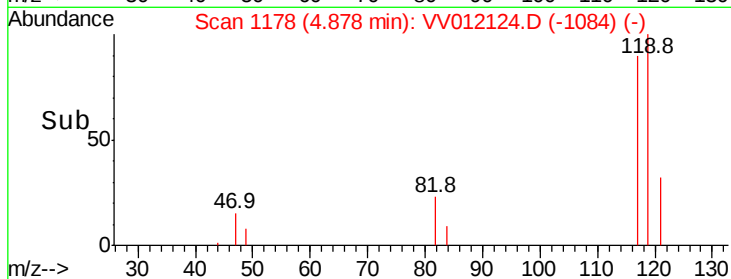
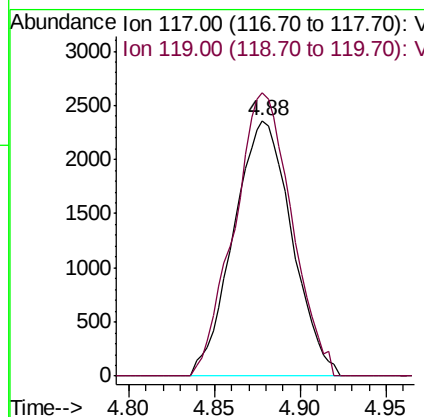
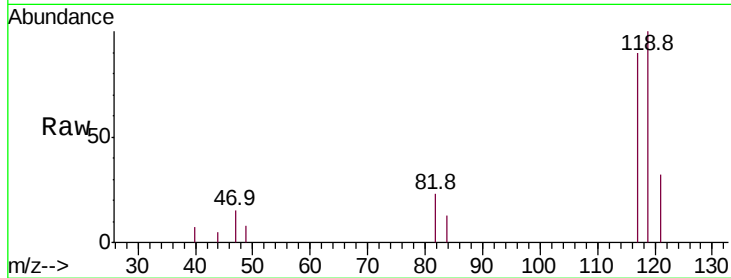
#31
Carbon tetrachloride
Concen: 2.631 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VV012124.D
Acq: 07 Aug 2019 13:44

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion:117 Resp: 5571
Ion Ratio Lower Upper
117 100
119 109.4 78.2 117.4

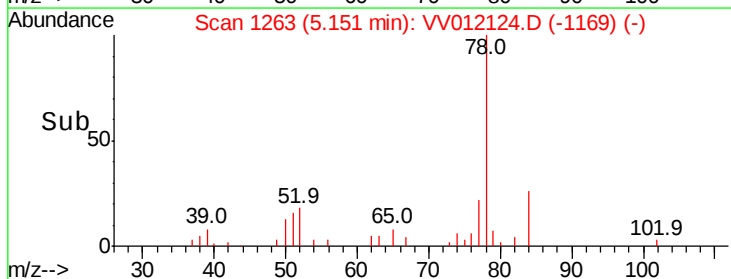
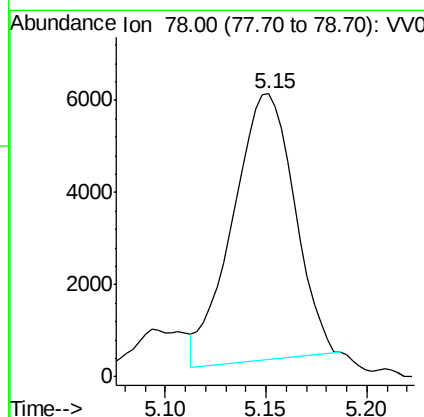
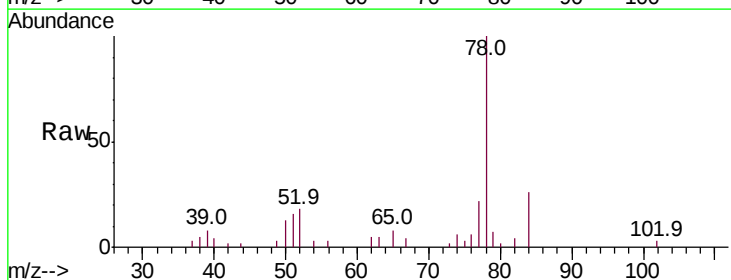
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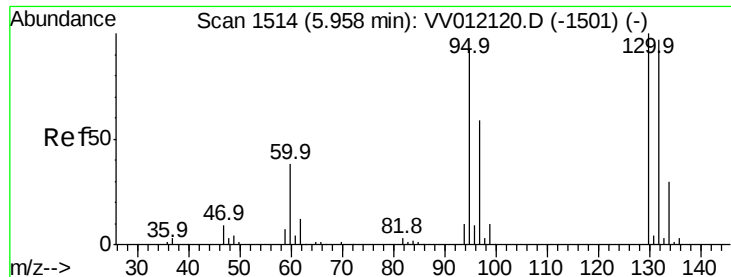
MMDadoda
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#33
Benzene
Concen: 2.504 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV012124.D
Acq: 07 Aug 2019 13:44

Tgt Ion: 78 Resp: 12387





#34
 Trichloroethene
 Concen: 2.820 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.01 min
 Lab File: VV012124.D
 Acq: 07 Aug 2019 13:44

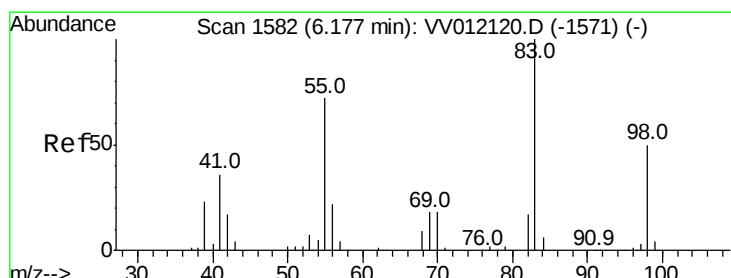
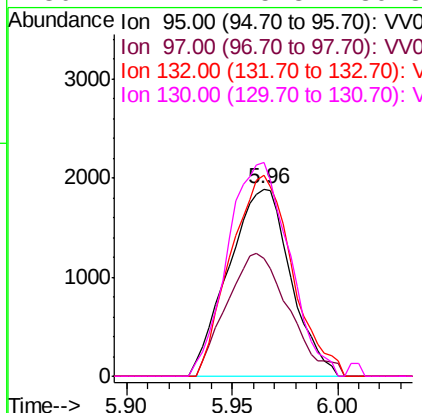
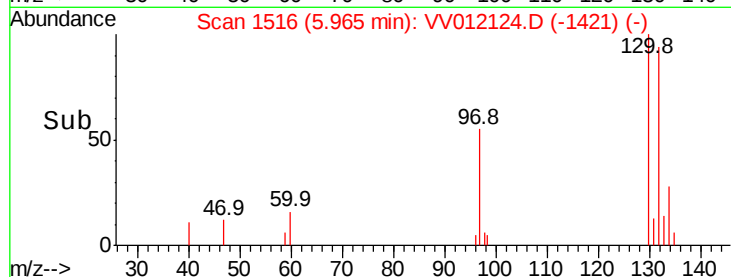
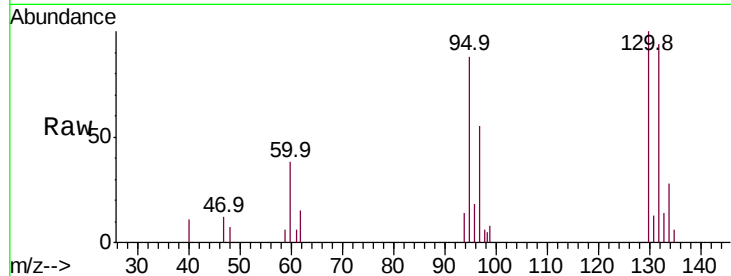
Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion: 95 Resp: 3877

Ion	Ratio	Lower	Upper
95	100		
97	63.0	43.4	80.6
132	123.8	73.1	135.8
130	114.2	75.3	139.8

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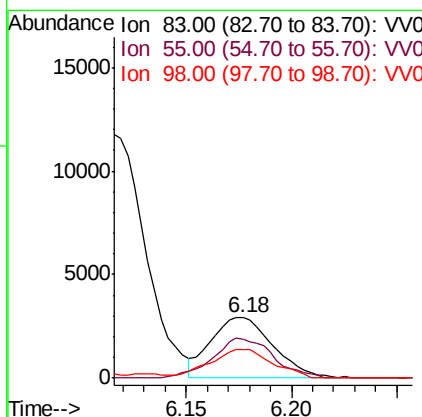
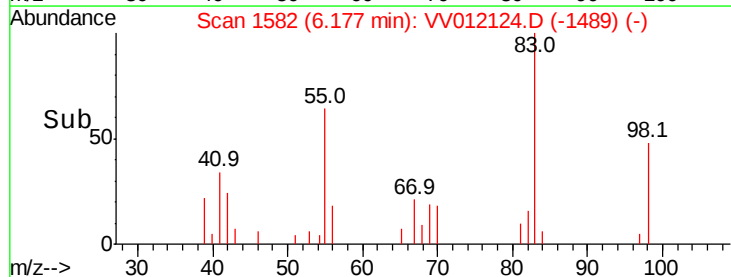
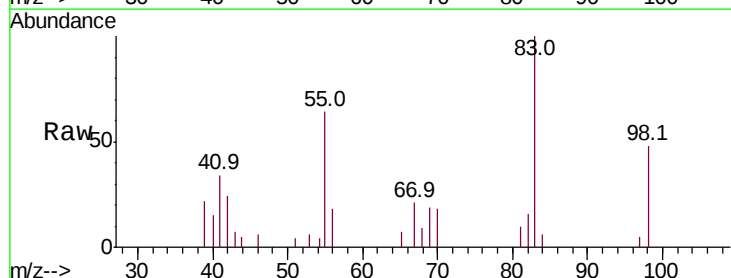
MMDadoda
 8/8/2019 11:45:20 AM

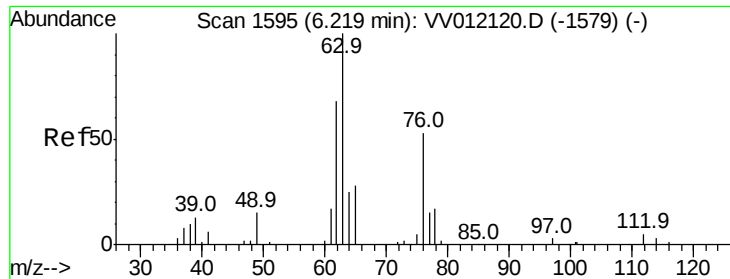


#35
 Methylcyclohexane
 Concen: 2.932 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV012124.D
 Acq: 07 Aug 2019 13:44

Tgt Ion: 83 Resp: 6000

Ion	Ratio	Lower	Upper
83	100		
55	63.5	55.5	83.3
98	46.9	38.5	57.7





#37

1,2-Dichloropropane

Concen: 2.805 ug/L m

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

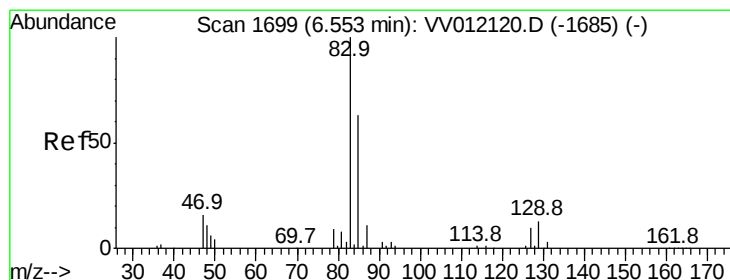
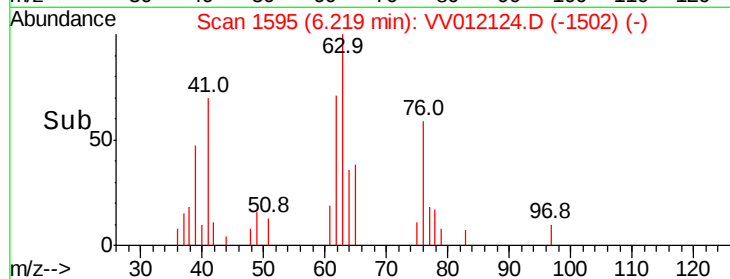
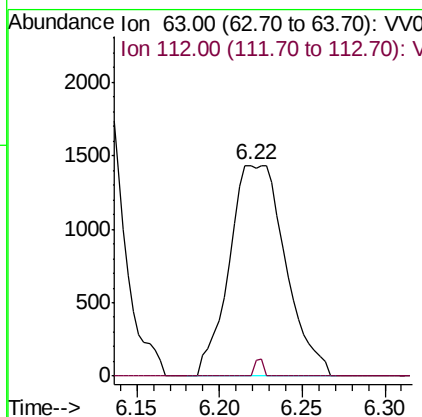
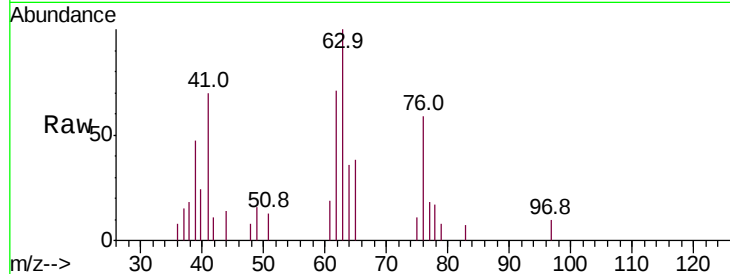
Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion: 63 Resp: 3385

Ion	Ratio	Lower	Upper
63	100		
112	1.3	4.2	6.2#

Manual Integrations
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#38

Bromodichloromethane

Concen: 2.840 ug/L

RT: 6.56 min Scan# 1700

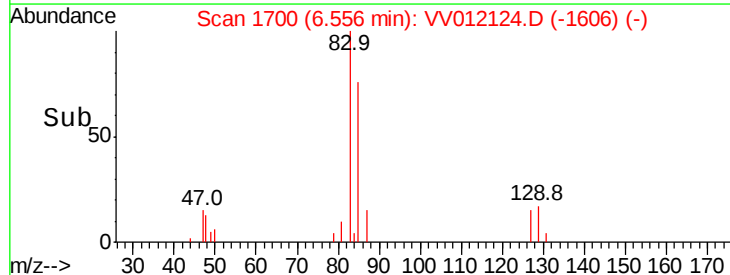
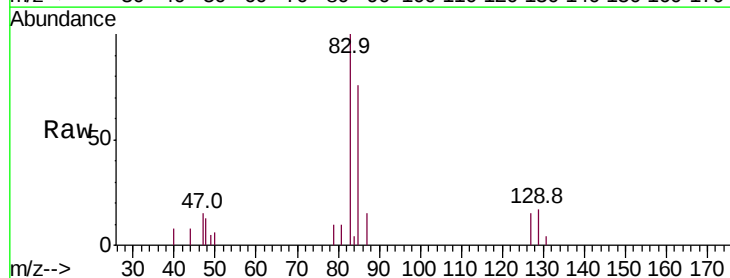
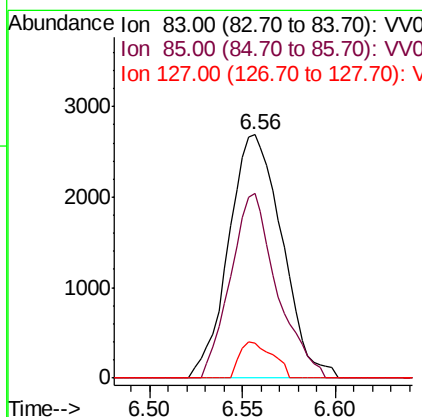
Delta R.T. 0.00 min

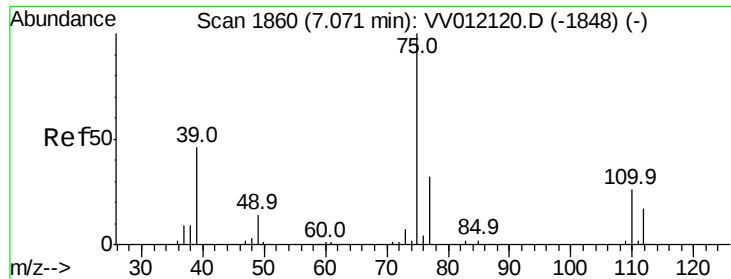
Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Tgt Ion: 83 Resp: 5390

Ion	Ratio	Lower	Upper
83	100		
85	76.0	45.0	83.6
127	14.5	7.9	11.9#





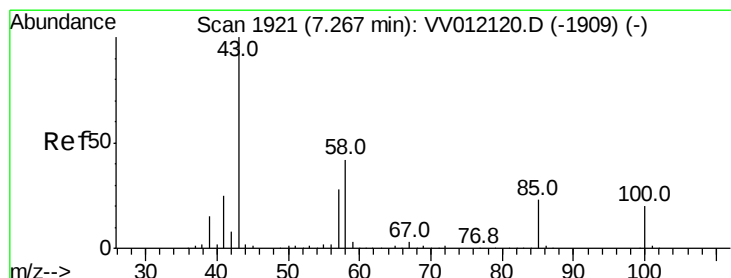
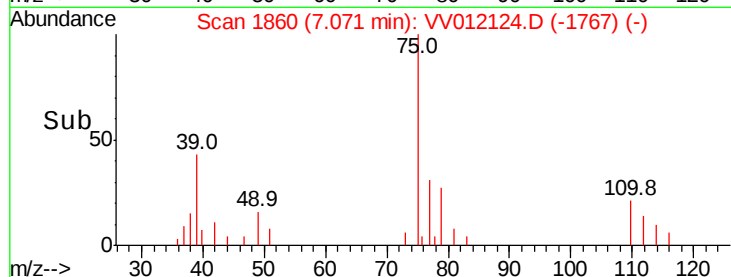
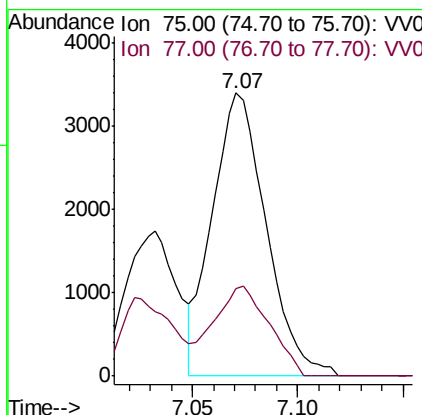
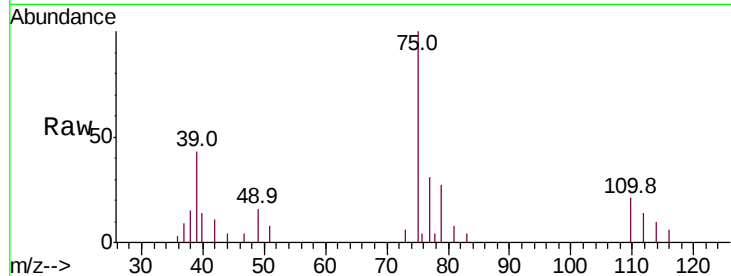
#39
 cis-1,3-Dichloropropene
 Concen: 2.826 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012124.D
 Acq: 07 Aug 2019 13:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion: 75 Resp: 6012
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.3 41.5

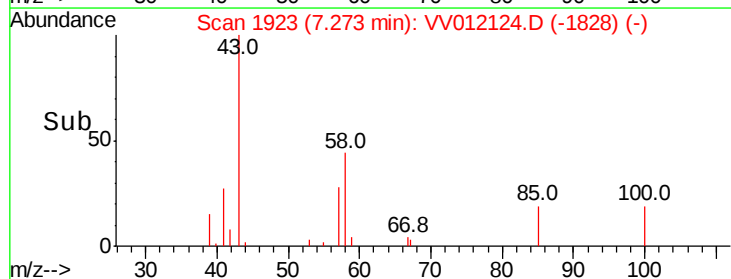
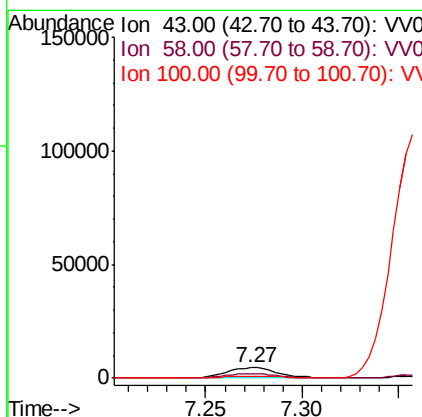
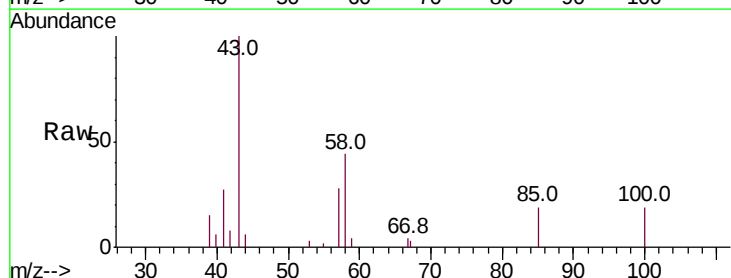
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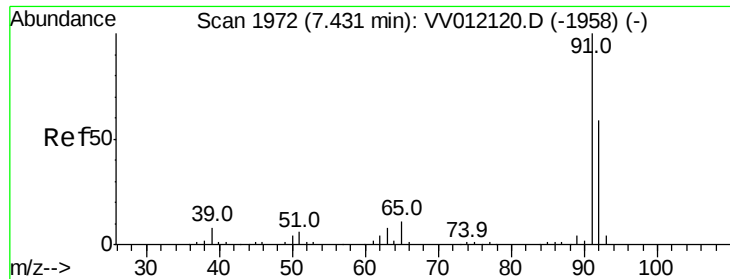
MMDadoda
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#40
 4-Methyl-2-pentanone
 Concen: 5.659 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VV012124.D
 Acq: 07 Aug 2019 13:44

Tgt Ion: 43 Resp: 8789
 Ion Ratio Lower Upper
 43 100
 58 42.8 33.4 50.2
 100 18.6 15.0 22.4





#42

Toluene

Concen: 2.958 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 91 Resp: 16258

Ion Ratio Lower Upper

91 100

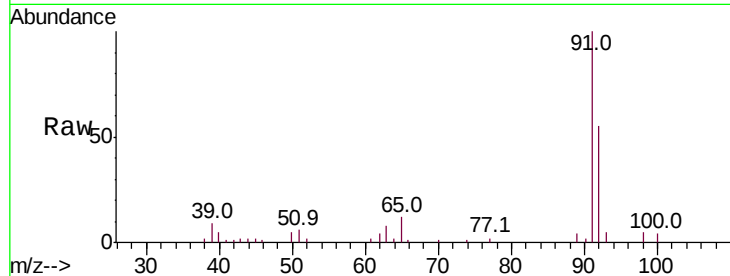
92 55.0 40.1 74.5

Manual Integrations

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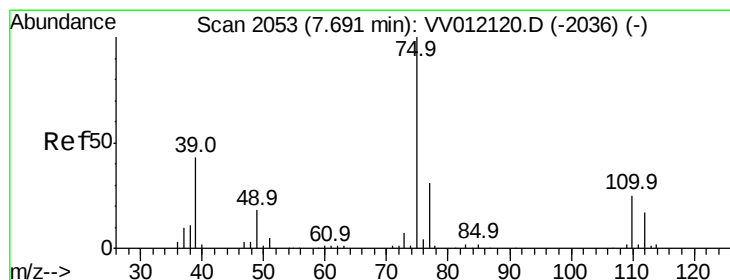
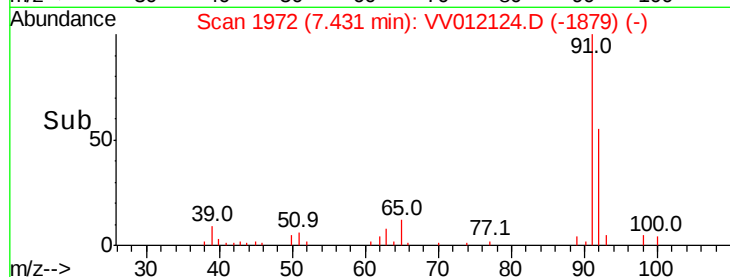
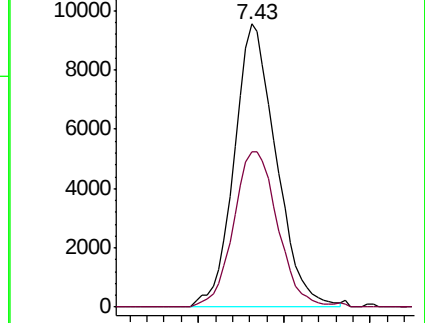
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 2.642 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012124.D

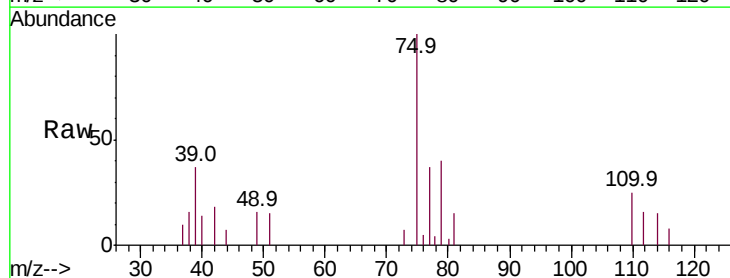
Acq: 07 Aug 2019 13:44

Tgt Ion: 75 Resp: 5306

Ion Ratio Lower Upper

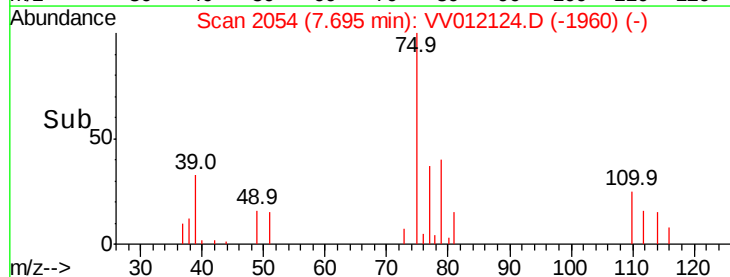
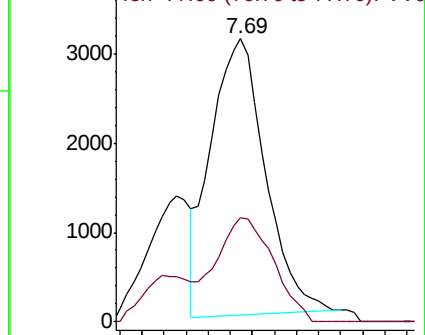
75 100

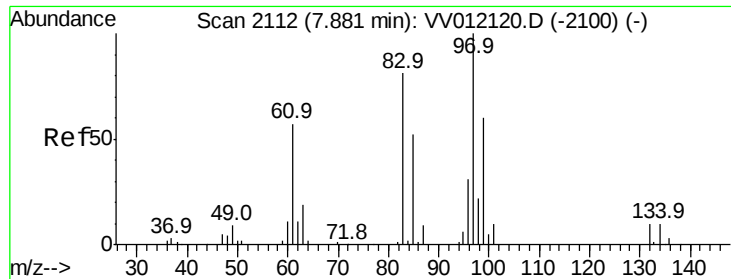
77 37.0 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





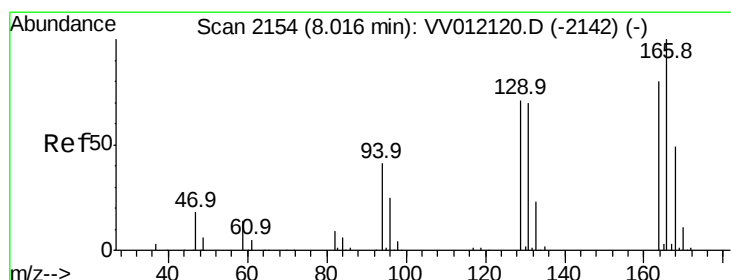
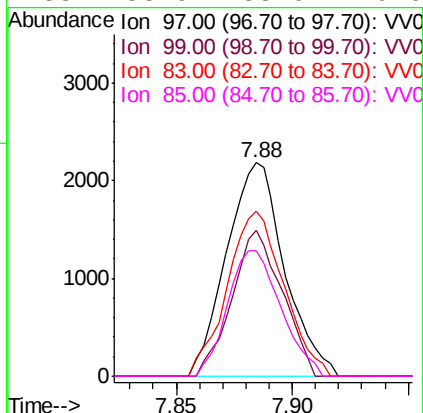
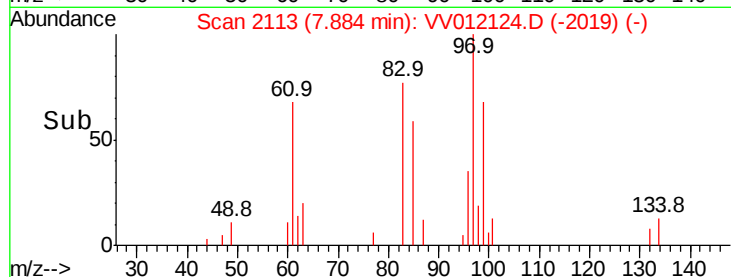
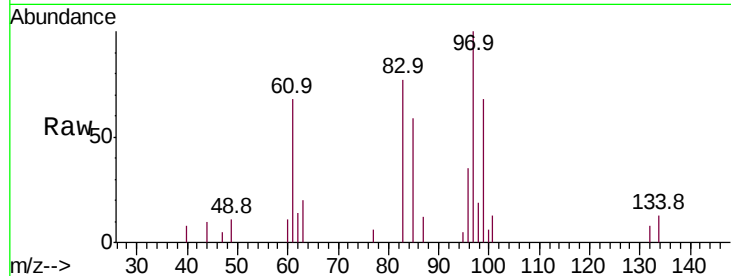
#45
1,1,2-Trichloroethane
Concen: 2.916 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV012124.D
Acq: 07 Aug 2019 13:44

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	97	Resp	3793
Ion	Ratio	Lower	Upper
97	100		
99	68.2	47.2	87.6
83	77.5	58.0	107.6
85	58.9	38.0	70.6

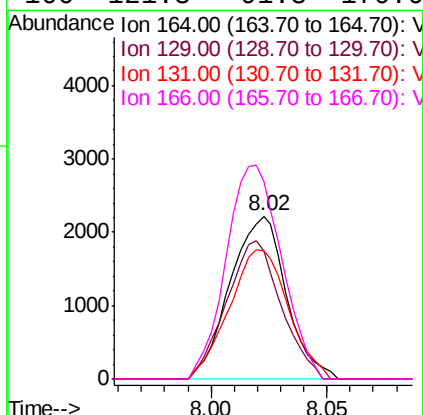
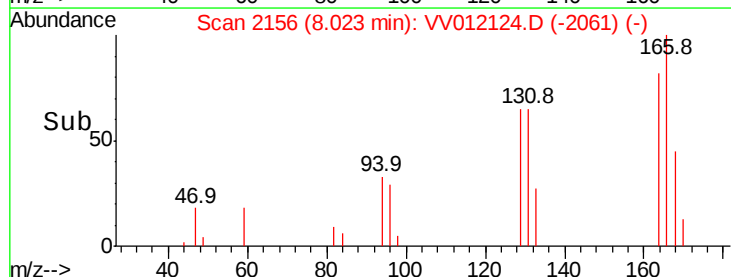
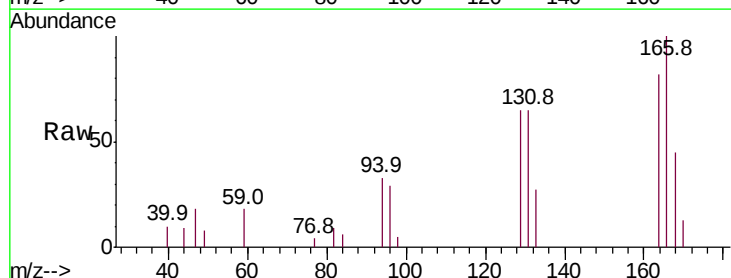
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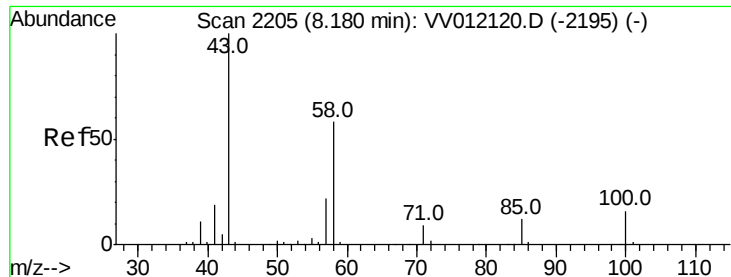
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#46
Tetrachloroethene
Concen: 2.919 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.01 min
Lab File: VV012124.D
Acq: 07 Aug 2019 13:44

Tgt Ion	164	Resp	3740
Ion	Ratio	Lower	Upper
164	100		
129	78.6	64.3	119.5
131	78.5	60.1	111.7
166	121.3	91.8	170.6





#48

2-Hexanone

Concen: 6.724 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 43 Resp: 7873

Ion Ratio Lower Upper

43 100

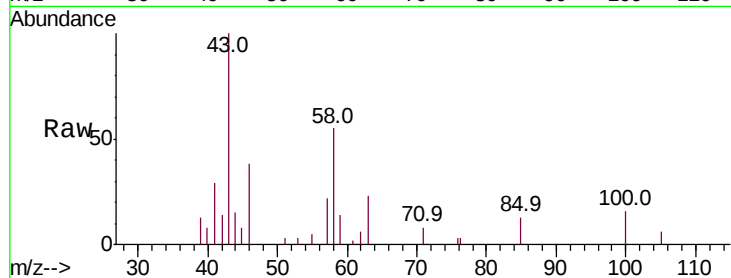
58 48.2 45.6 68.4

57 19.7 17.0 25.6

100 16.2 11.5 17.3

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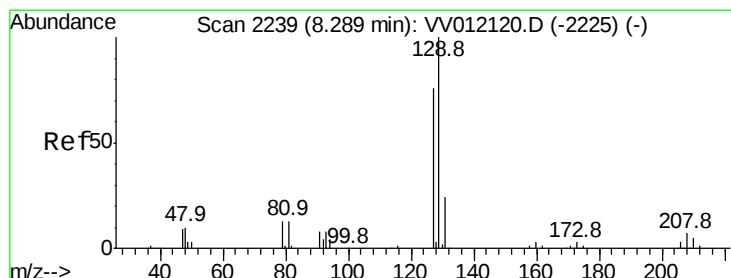
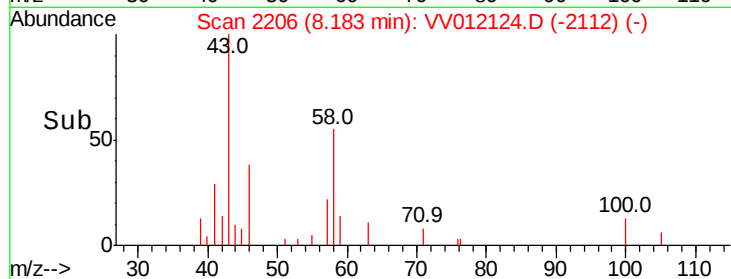
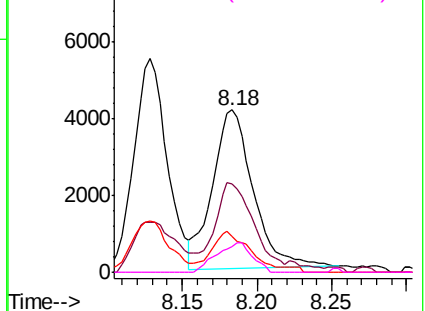
Abundance

Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 2.764 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VV012124.D

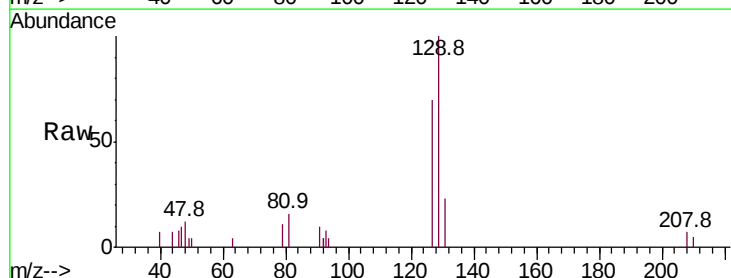
Acq: 07 Aug 2019 13:44

Tgt Ion: 129 Resp: 4665

Ion Ratio Lower Upper

129 100

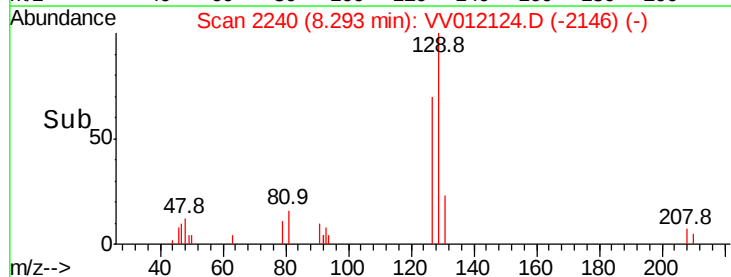
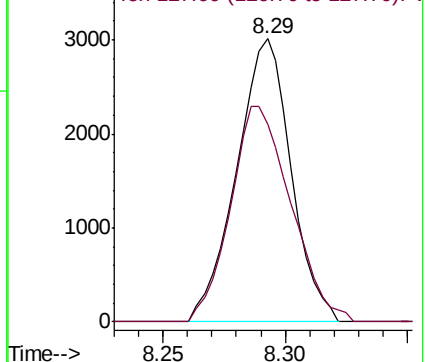
127 69.8 53.8 100.0

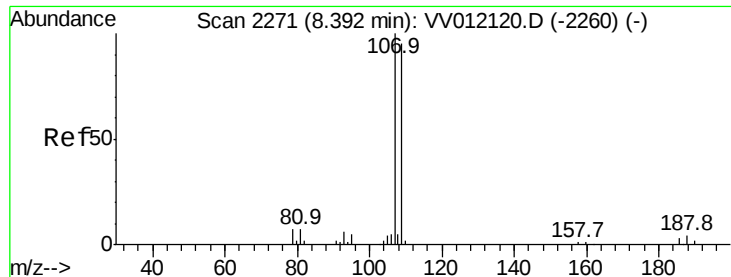


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





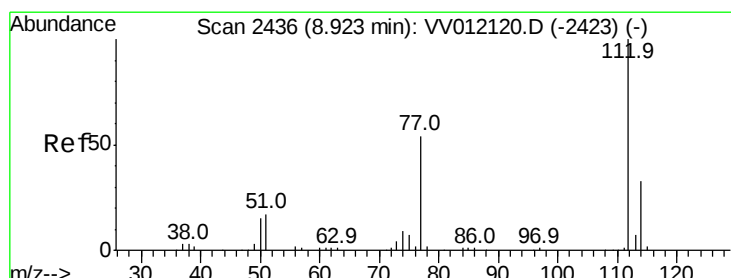
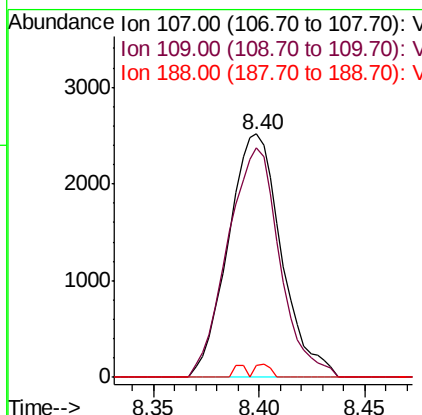
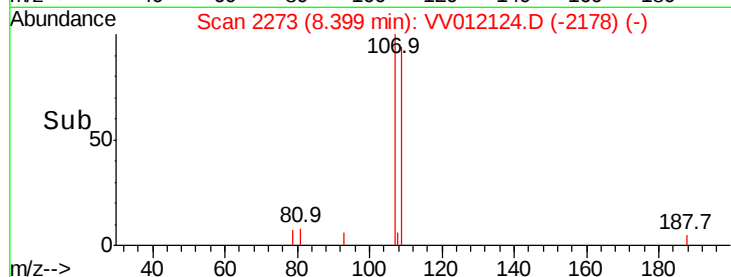
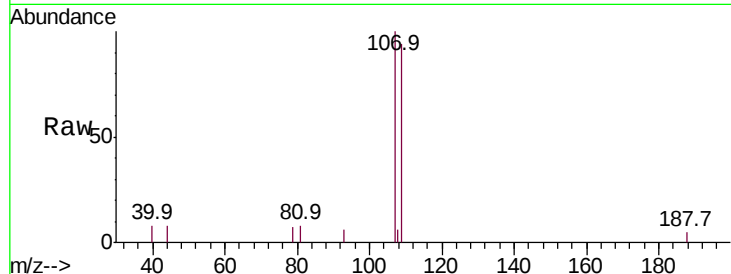
#50
1,2-Dibromoethane
Concen: 3.064 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.01 min
Lab File: VV012124.D
Acq: 07 Aug 2019 13:44

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	67.0	124.4
188	4.7	3.9	5.9

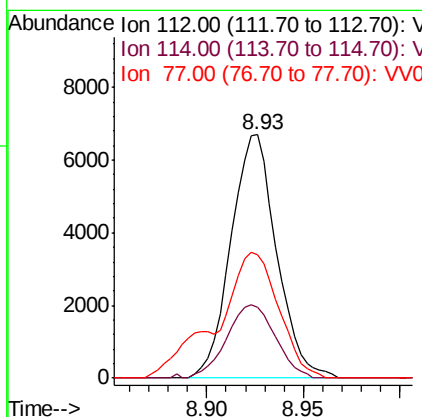
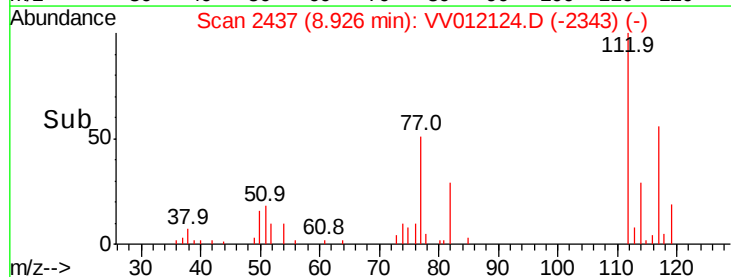
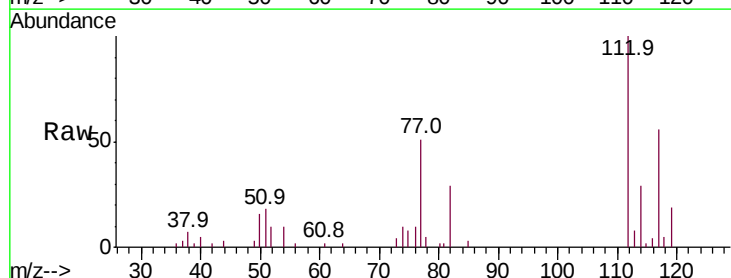
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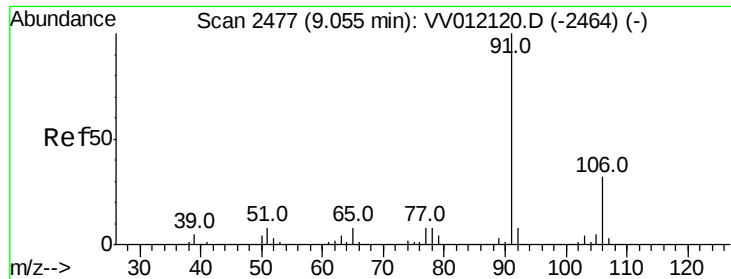
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#51
Chlorobenzene
Concen: 2.970 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012124.D
Acq: 07 Aug 2019 13:44

Tgt Ion	Ratio	Lower	Upper
112	100		
114	28.9	22.8	42.4
77	50.8	44.7	67.1





#52

Ethylbenzene

Concen: 2.909 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 91 Resp: 17939

Ion Ratio Lower Upper

91 100

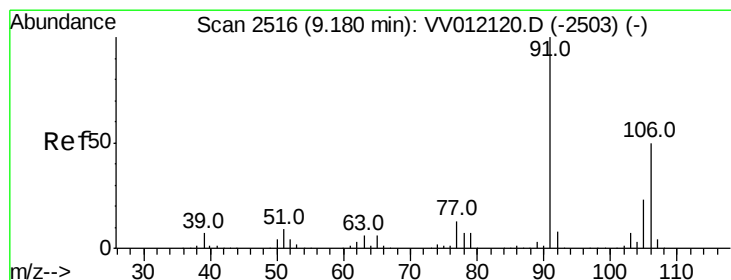
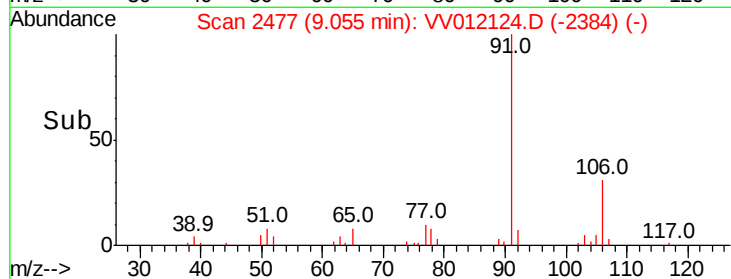
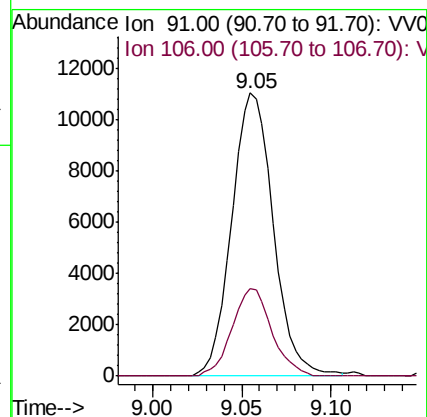
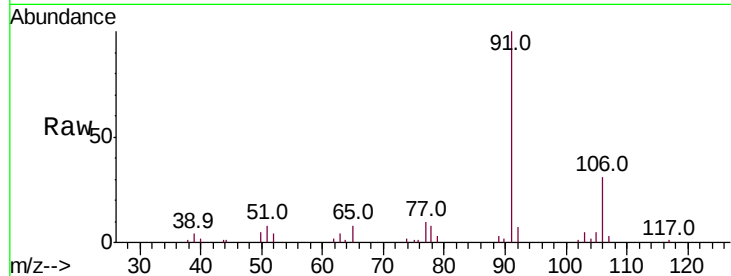
106 31.1 22.3 41.5

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#53

m,p-Xylene

Concen: 2.766 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012124.D

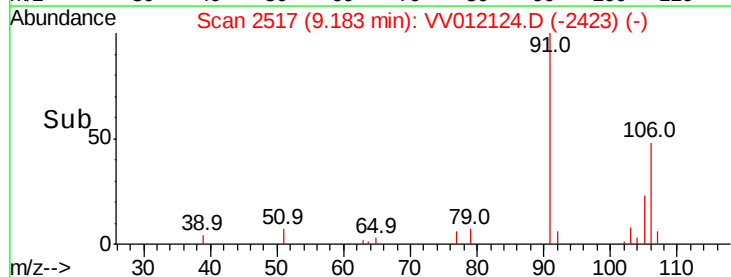
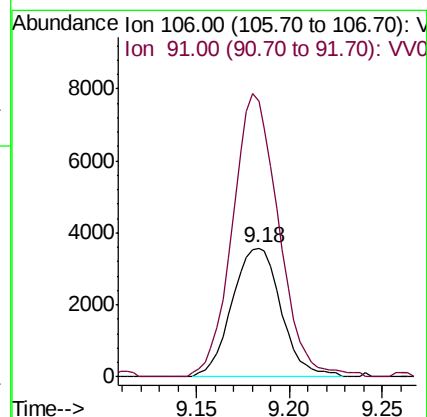
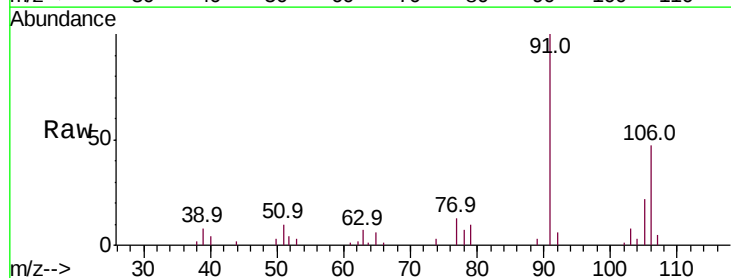
Acq: 07 Aug 2019 13:44

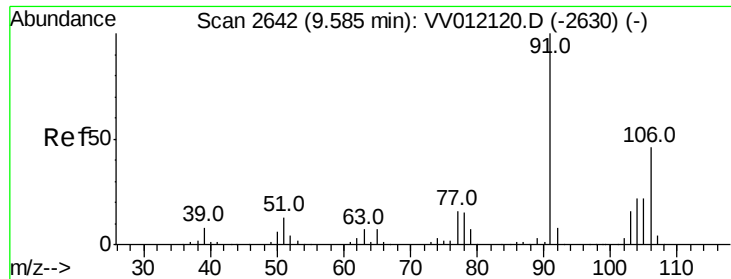
Tgt Ion: 106 Resp: 6580

Ion Ratio Lower Upper

106 100

91 213.7 146.7 272.5





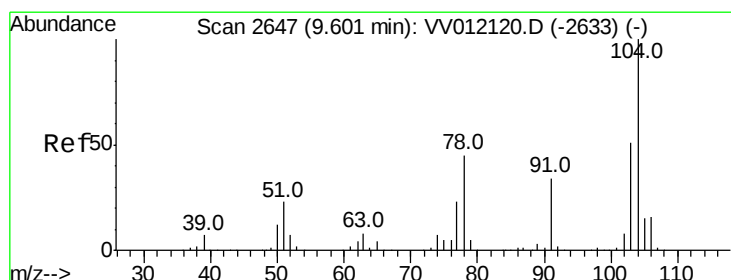
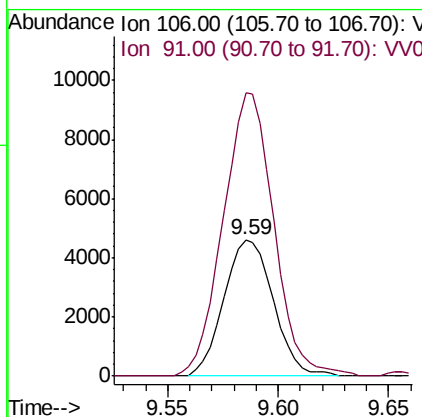
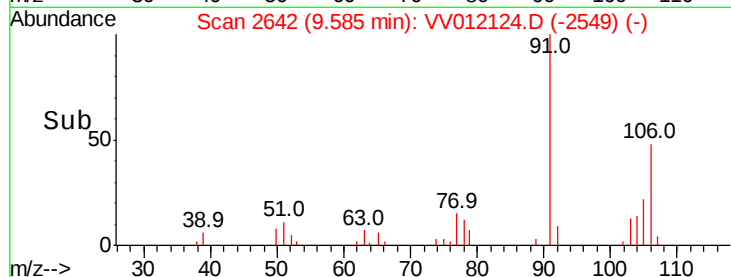
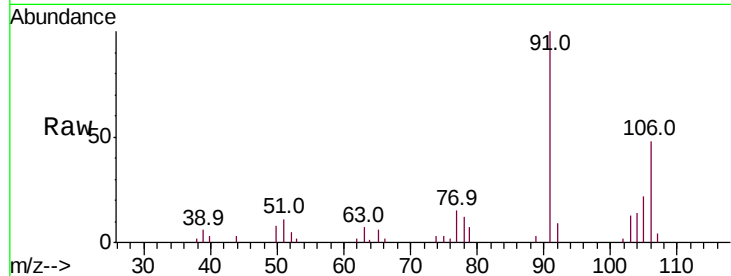
#54
o-Xylene
Concen: 3.037 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012124.D
Acq: 07 Aug 2019 13:44

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion:106 Resp: 7170
Ion Ratio Lower Upper
106 100
91 207.9 150.4 279.2

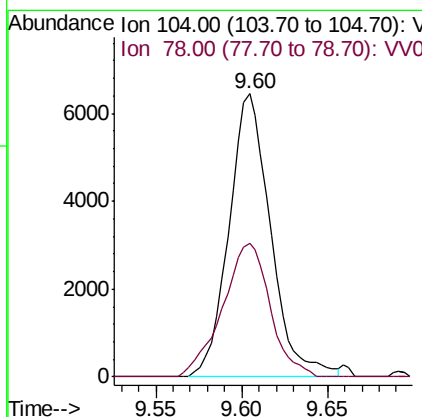
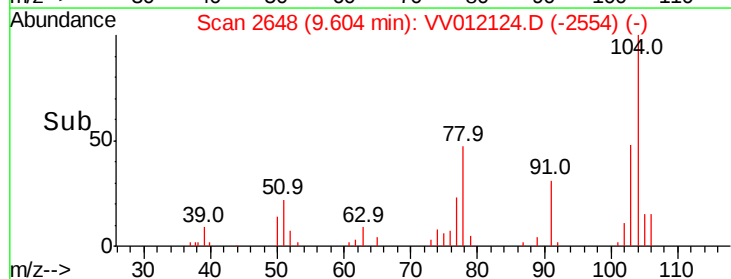
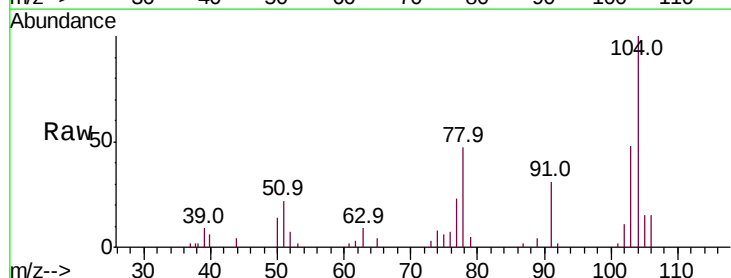
Manual Integrations
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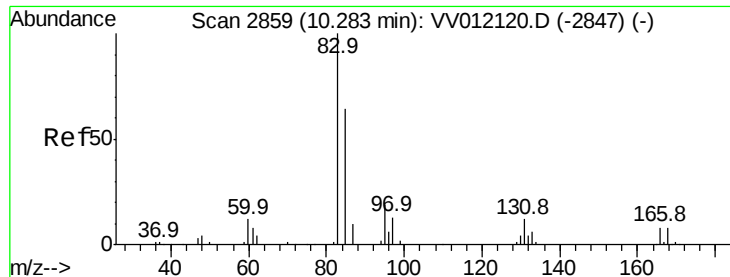
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#55
Styrene
Concen: 2.740 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012124.D
Acq: 07 Aug 2019 13:44

Tgt Ion:104 Resp: 10897
Ion Ratio Lower Upper
104 100
78 47.4 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 3.280 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Instrument :

MSVOA_V

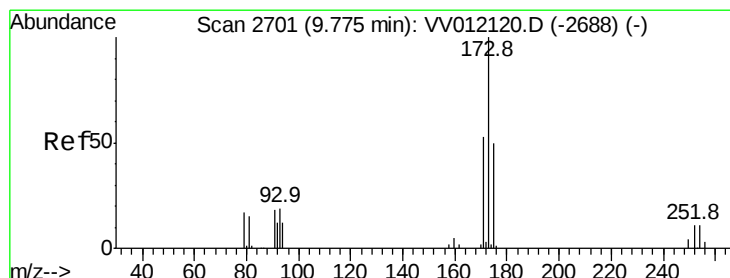
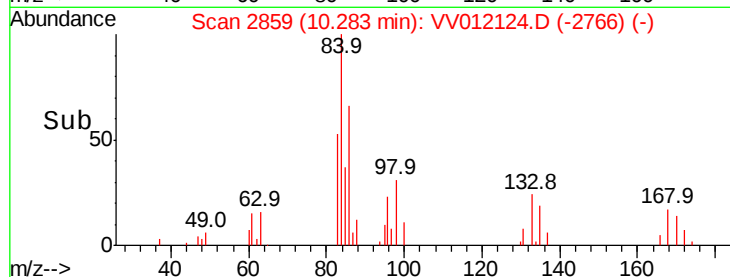
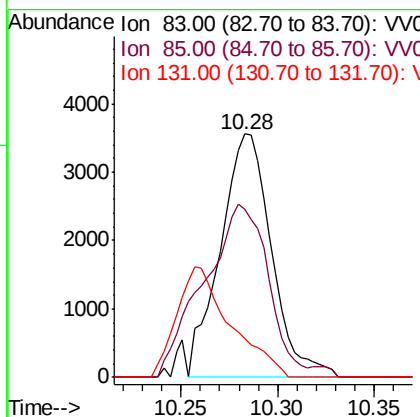
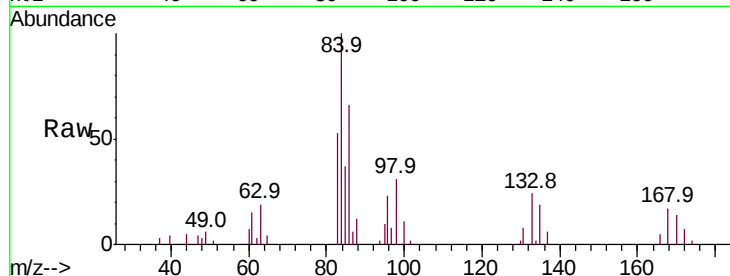
ClientSampleId :

MDL04

Tot Ion:	83	Resp:	6560
Ion	Ratio	Lower	Upper
83	100		
85	69.1	44.6	82.8
131	15.7	9.3	13.9#

Manual Integrations
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#59

Bromoform

Concen: 2.919 ug/L

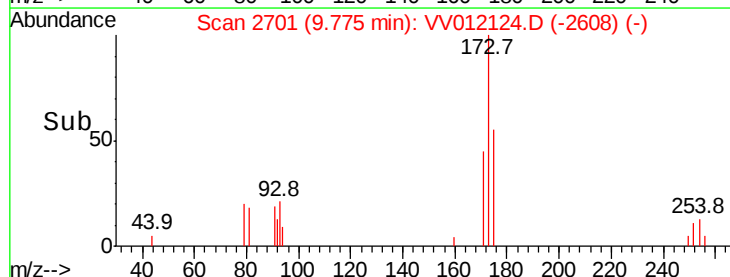
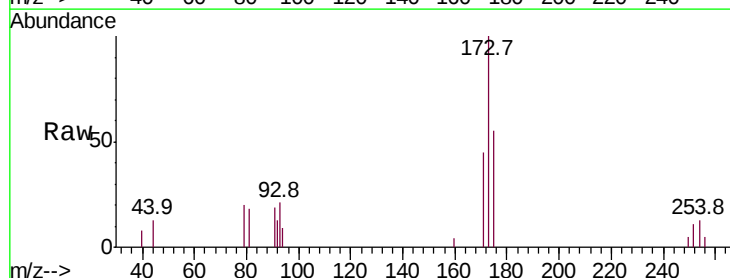
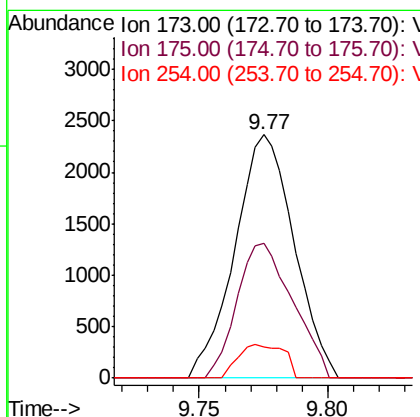
RT: 9.77 min Scan# 2701

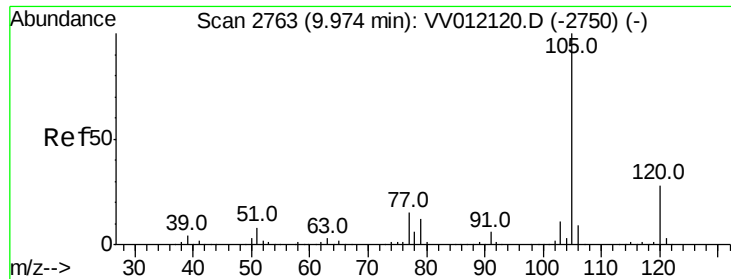
Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Tgt Ion:	173	Resp:	3794
Ion	Ratio	Lower	Upper
173	100		
175	52.1	38.3	57.5
254	7.9	8.9	13.3#





#60

Isopropylbenzene

Concen: 2.886 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Instrument :

MSVOA_V

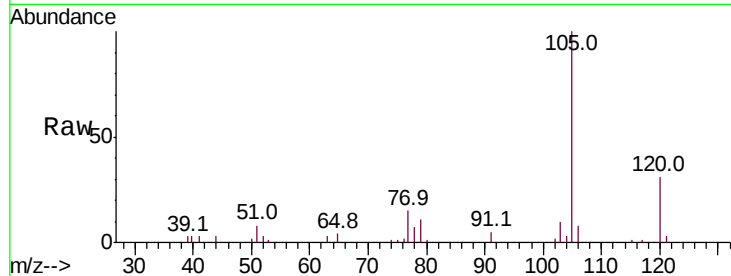
ClientSampleId :

MDL04

Tot Ion:	105	Resp:	17505
Ion Ratio	Lower	Upper	
105	100		
120	29.4	21.4	32.0
77	15.4	11.6	17.4

Manual Integrations
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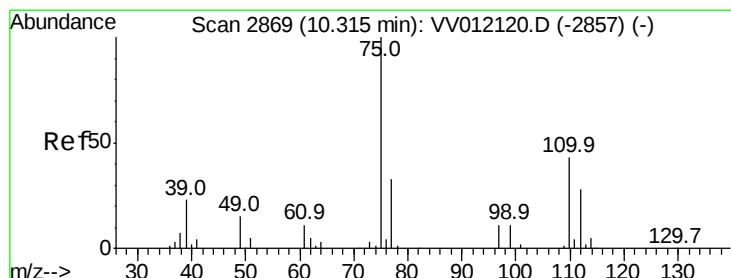
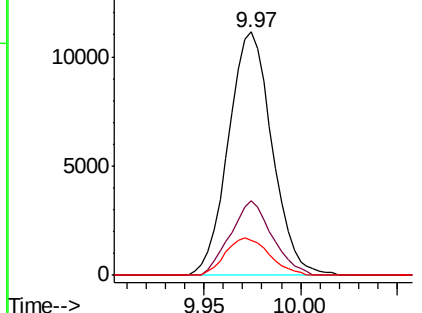
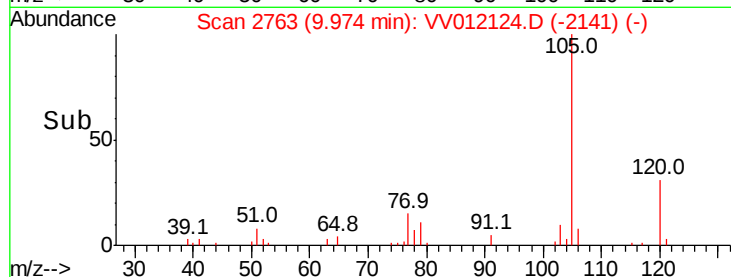
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 3.505 ug/L

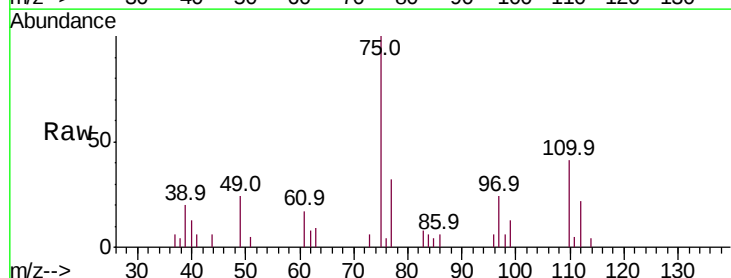
RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

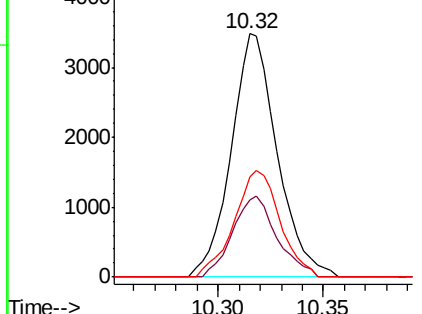
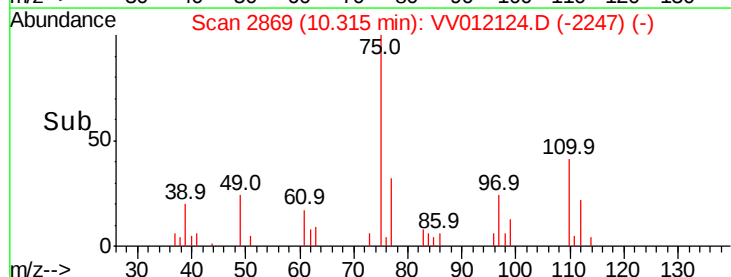
Tgt Ion:	75	Resp:	5273
Ion Ratio	Lower	Upper	
75	100		
77	32.0	25.7	38.5
110	43.5	34.2	51.4

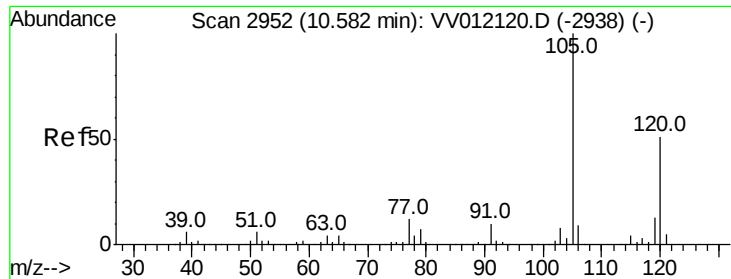


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 2.889 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion:105 Resp: 15148

Ion Ratio Lower Upper

105 100

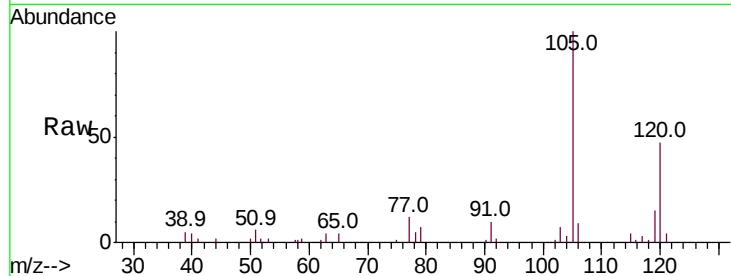
120 46.3 39.2 58.8

Manual Integrations

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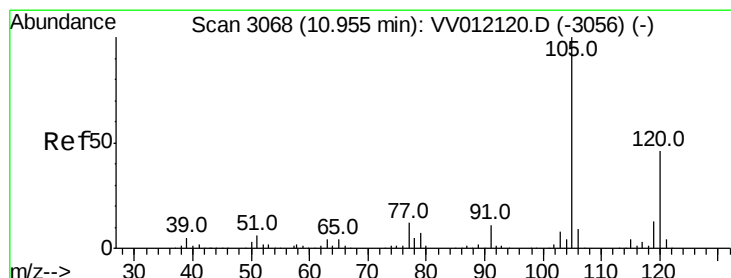
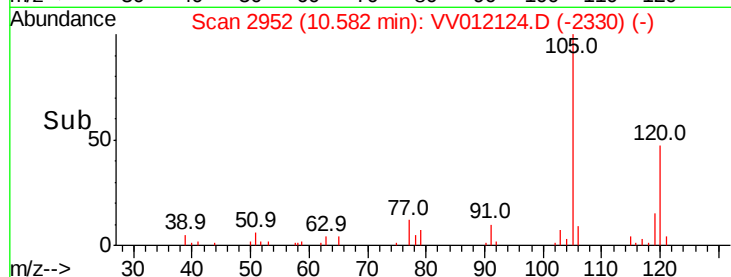
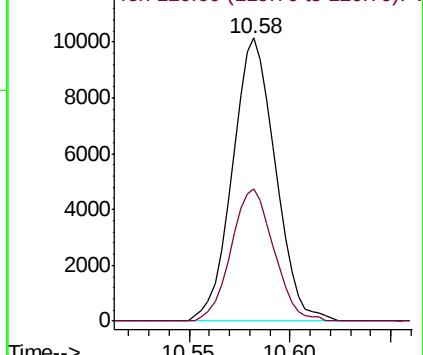
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 2.830 ug/L

RT: 10.96 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VV012124.D

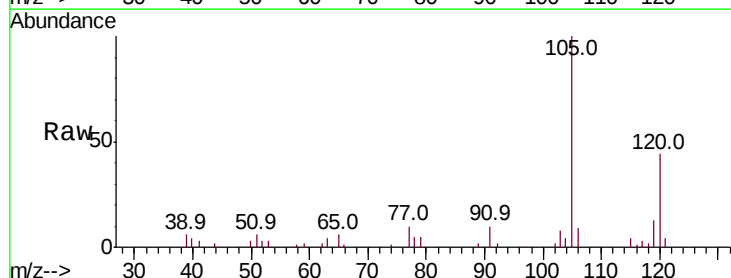
Acq: 07 Aug 2019 13:44

Tgt Ion:105 Resp: 14648

Ion Ratio Lower Upper

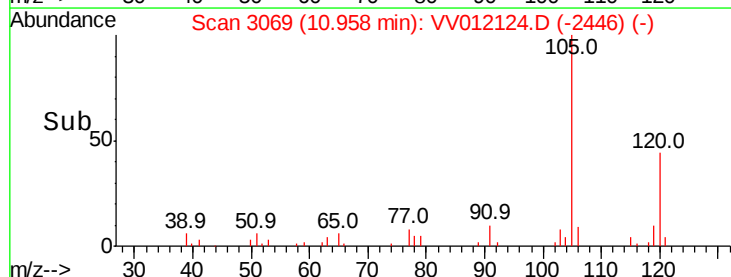
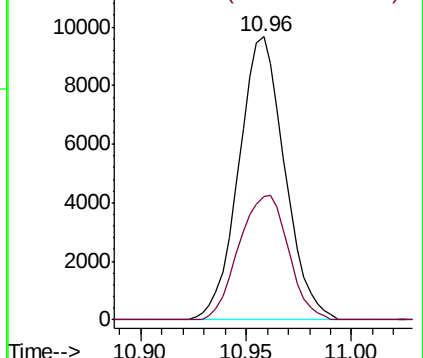
105 100

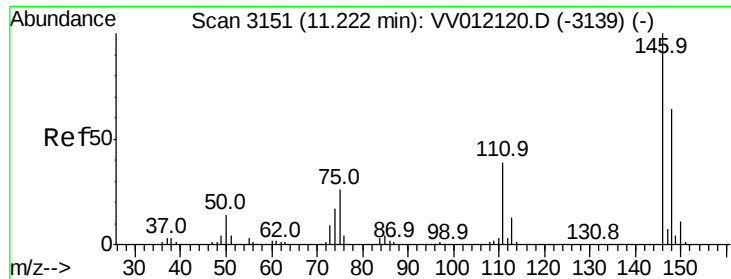
120 47.2 36.7 55.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 2.978 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Instrument :

MSVOA_V

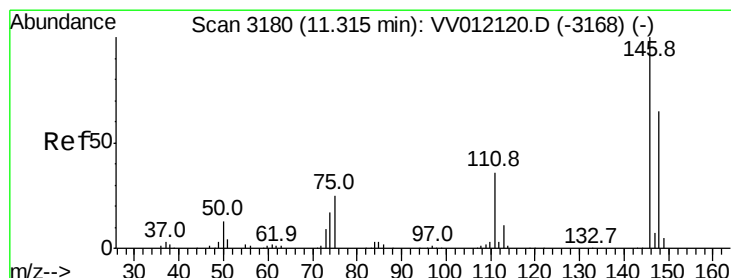
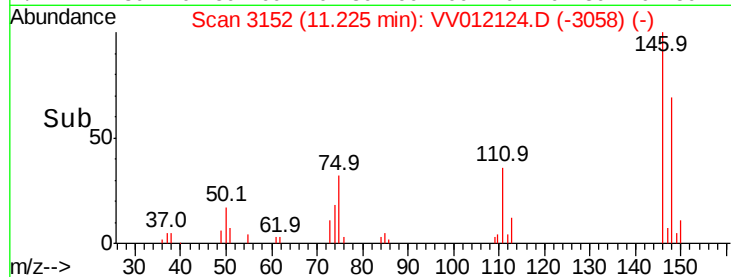
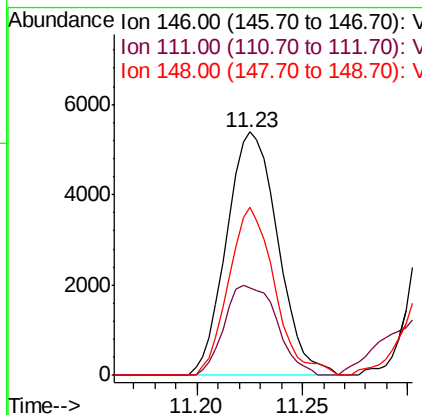
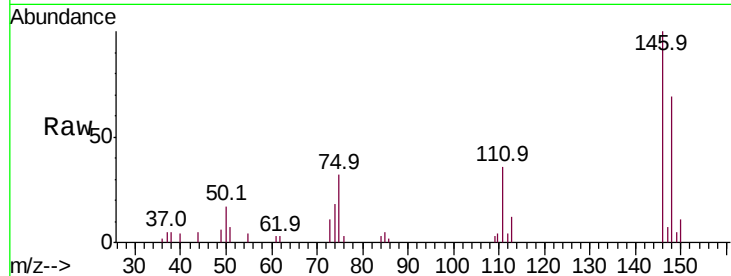
ClientSampleId :

MDL04

Tot Ion:	146	Resp:	9113
Ion	Ratio	Lower	Upper
146	100		
111	36.0	26.8	49.8
148	69.0	44.6	82.8

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#65

1,4-Dichlorobenzene

Concen: 3.309 ug/L

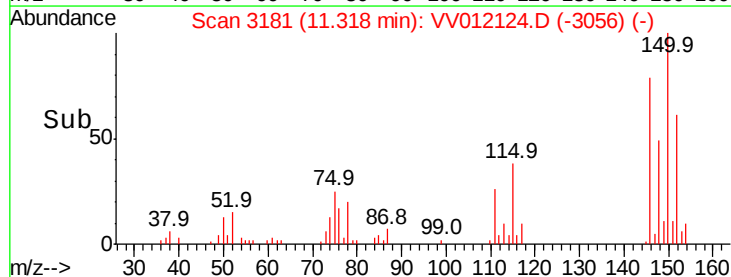
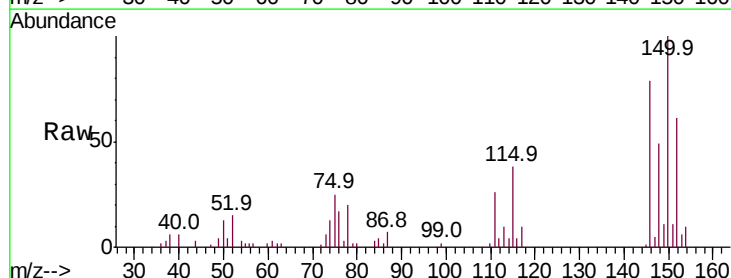
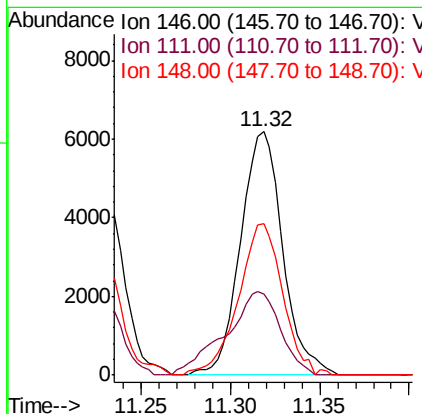
RT: 11.32 min Scan# 3181

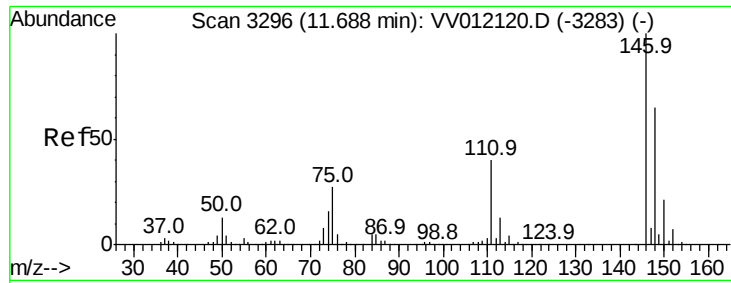
Delta R.T. 0.00 min

Lab File: VV012124.D

Acq: 07 Aug 2019 13:44

Tgt Ion:	146	Resp:	10236
Ion	Ratio	Lower	Upper
146	100		
111	33.1	25.8	47.8
148	62.4	45.2	84.0





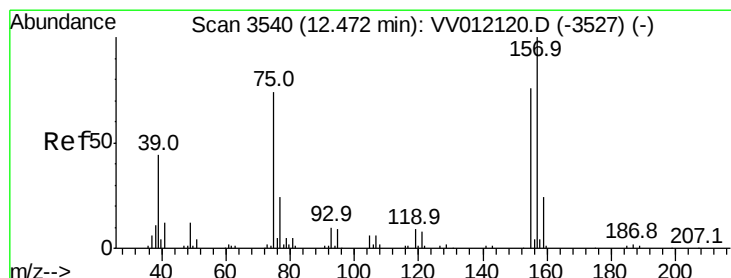
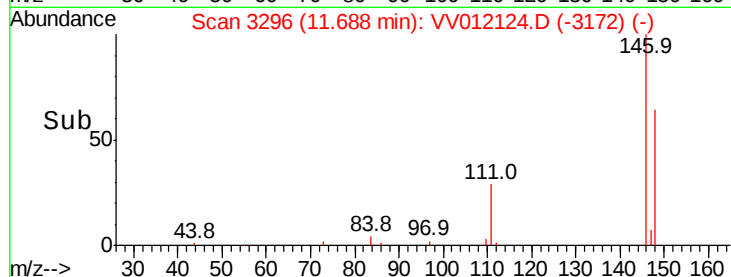
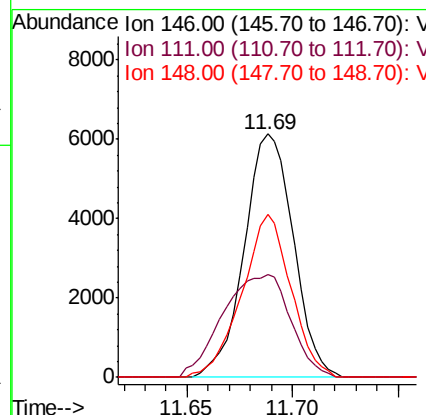
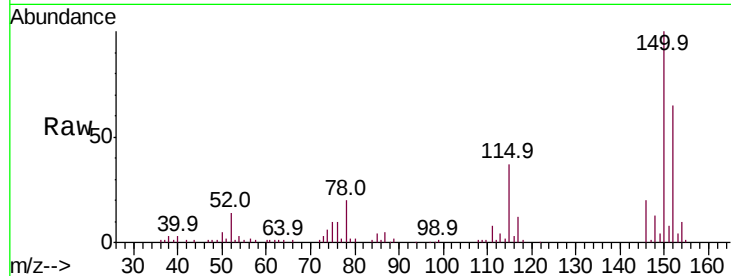
#67
 1,2-Dichlorobenzene
 Concen: 3.182 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012124.D
 Acq: 07 Aug 2019 13:44

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	32.2	48.2
148	67.2	53.2	79.8

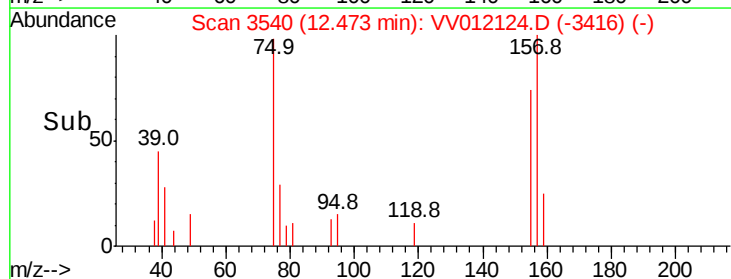
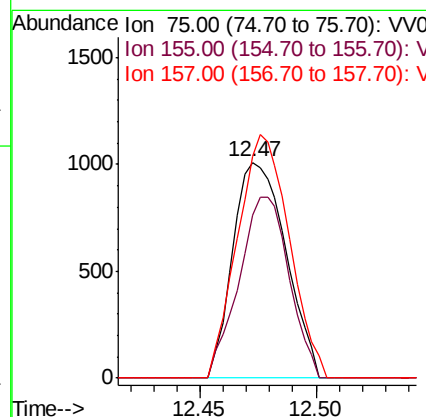
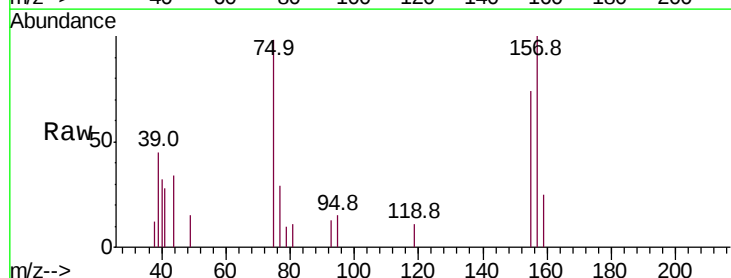
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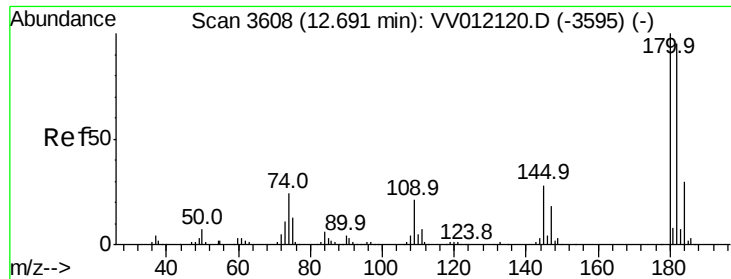
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 3.231 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012124.D
 Acq: 07 Aug 2019 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.8	81.2	121.8#
157	102.5	102.3	153.5





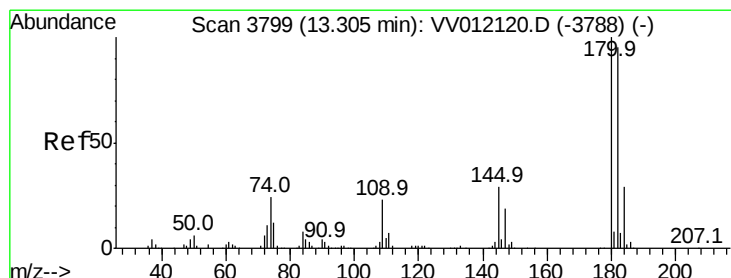
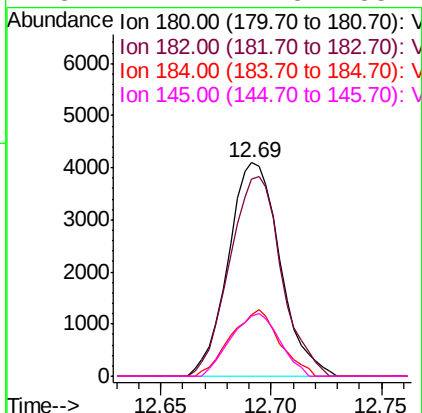
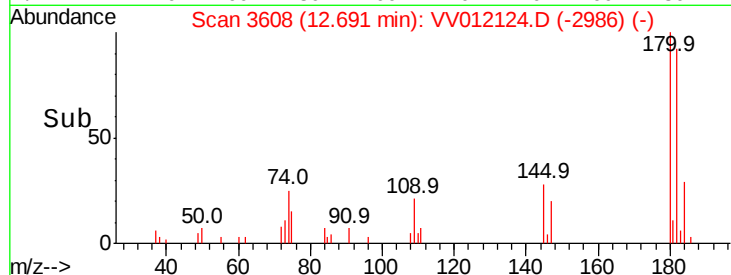
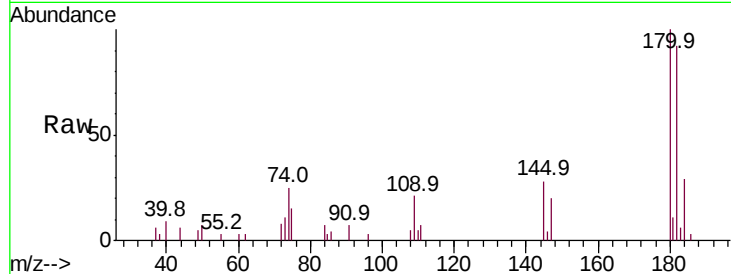
#69
 1,3,5-Trichlorobenzene
 Concen: 2.693 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012124.D
 Acq: 07 Aug 2019 13:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion:180	Resp:	6681
Ion Ratio	Lower	Upper
180	100	
182	93.6	76.5 114.7
184	29.4	24.6 36.8
145	27.7	22.5 33.7

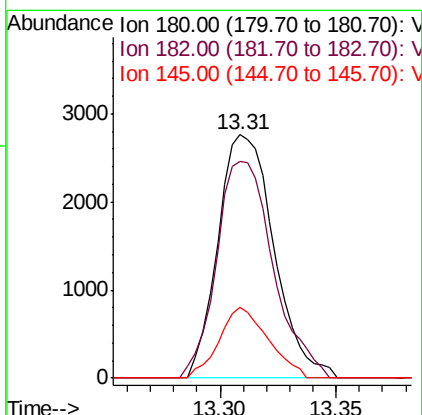
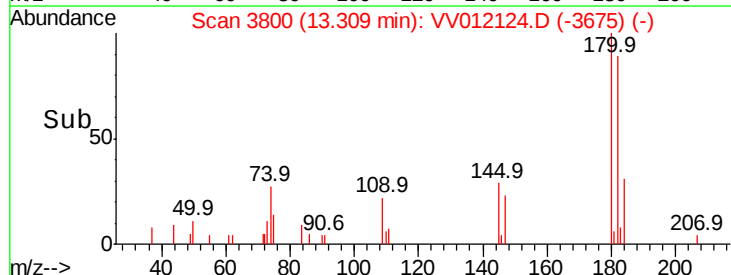
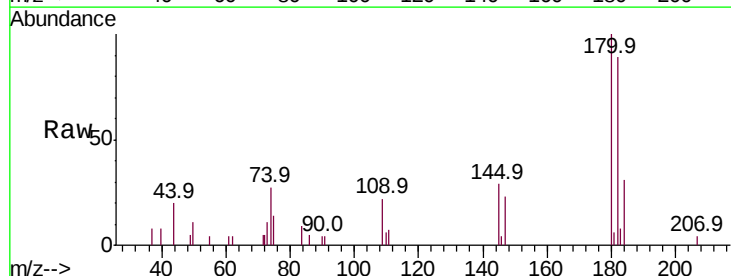
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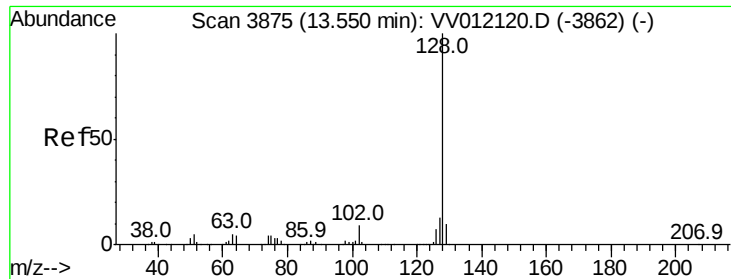
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#70
 1,2,4-trichlorobenzene
 Concen: 2.153 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012124.D
 Acq: 07 Aug 2019 13:44

Tgt Ion:180	Resp:	4632
Ion Ratio	Lower	Upper
180	100	
182	90.4	76.5 114.7
145	25.5	23.3 34.9





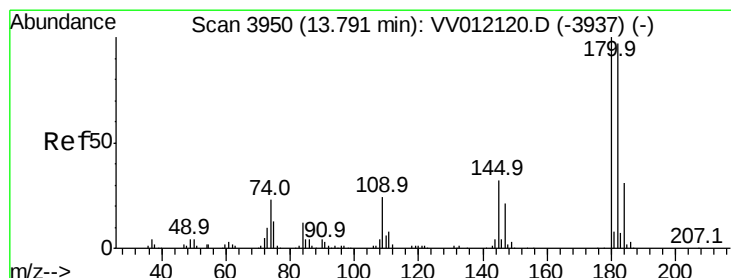
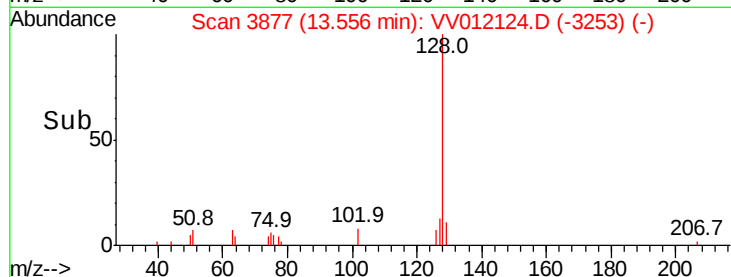
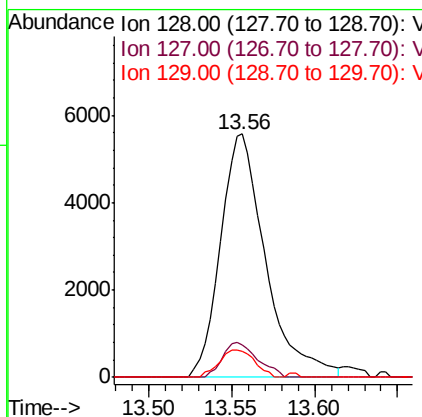
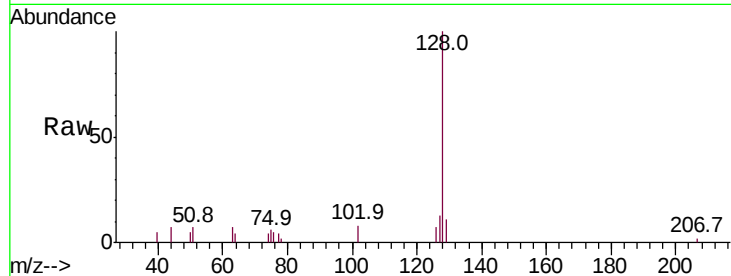
#71
Naphthalene
Concen: 1.933 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.01 min
Lab File: VV012124.D
Acq: 07 Aug 2019 13:44

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.2	10.6	15.8
129	8.8	8.6	12.8

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 2.180 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV012124.D
Acq: 07 Aug 2019 13:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.1	77.2	115.8
145	34.0	24.6	36.8

