

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080719\
 Data File : VV012125.D
 Acq On : 07 Aug 2019 14:09
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 11:45:24 AM

Quant Time: Aug 08 01:39:27 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	246516	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	234096	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	116746	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56771	42.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.26%
7) Chloroethane-d5	1.58	69	38920	40.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.38%
11) 1,1-Dichloroethene-d2	2.13	63	75395	32.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.54%
21) 2-Butanone-d5	3.92	46	103425	105.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.34%
24) Chloroform-d	4.40	84	154695	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.52%
26) 1,2-Dichloroethane-d4	5.08	65	107655	49.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.12%
32) Benzene-d6	5.10	84	301391	44.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.48%
36) 1,2-Dichloropropane-d6	6.12	67	86855	44.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.02%
41) Toluene-d8	7.36	98	292577	45.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.08%
43) trans-1,3-Dichloropropene-	7.66	79	51045	46.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.02%
47) 2-Hexanone-d5	8.13	63	86442	106.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.66%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	142537	51.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.64%
66) 1,2-Dichlorobenzene-d4	11.67	152	135701	49.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	5097	2.927	ug/L	99
3) Chloromethane	1.25	50	3837	3.104	ug/L	98
5) Vinyl chloride	1.32	62	3161	2.649	ug/L #	45
6) Bromomethane	1.53	94	1985	2.865	ug/L	97
8) Chloroethane	1.60	64	1532	2.451	ug/L	88
9) Trichlorofluoromethane	1.77	101	5369	2.767	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2990	3.144	ug/L	86
12) 1,1-Dichloroethene	2.14	96	2708	3.024	ug/L #	1
13) Acetone	2.19	43	3354	5.010	ug/L	91
14) Carbon disulfide	2.32	76	7163	2.367	ug/L	95
15) Methyl Acetate	2.46	43	2701	2.306	ug/L	93
16) Methylene chloride	2.53	84	3699	2.722	ug/L	95
17) trans-1,2-Dichloroethene	2.79	96	3367	2.662	ug/L	92
18) Methyl tert-butyl Ether	2.80	73	11073	2.548	ug/L	98
19) 1,1-Dichloroethane	3.23	63	5269	2.285	ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	3748m	2.516	ug/L	
22) 2-Butanone	4.03	43	4557m	5.282	ug/L	

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

23) Bromochloromethane	4.31	128	2022	2.469	ug/L #	78
25) Chloroform	4.43	83	7792	2.981	ug/L	98
27) 1,2-Dichloroethane	5.18	62	5941	2.924	ug/L	98
29) Cyclohexane	4.73	56	4680	2.391	ug/L	93
30) 1,1,1-Trichloroethane	4.66	97	6254	2.515	ug/L	94
31) Carbon tetrachloride	4.87	117	5941	2.575	ug/L	100
33) Benzene	5.15	78	12966	2.406	ug/L	100
34) Trichloroethene	5.96	95	3983	2.659	ug/L	87
35) Methylcyclohexane	6.18	83	5593	2.509	ug/L #	75
37) 1,2-Dichloropropane	6.23	63	3220m	2.450	ug/L	
38) Bromodichloromethane	6.56	83	5325	2.575	ug/L	89
39) cis-1,3-Dichloropropene	7.07	75	5540	2.391	ug/L	95
40) 4-Methyl-2-pentanone	7.27	43	8961	5.297	ug/L	97
42) Toluene	7.43	91	16156	2.698	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	5533	2.529	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	3474	2.452	ug/L	94
46) Tetrachloroethene	8.02	164	3452	2.474	ug/L	91
48) 2-Hexanone	8.18	43	7478	5.863	ug/L #	95
49) Dibromochloromethane	8.29	129	4579	2.490	ug/L	82
50) 1,2-Dibromoethane	8.40	107	3967	2.532	ug/L	99
51) Chlorobenzene	8.92	112	10676	2.645	ug/L	97
52) Ethylbenzene	9.05	91	16900	2.515	ug/L	99
53) m,p-Xylene	9.18	106	6588	2.542	ug/L	81
54) o-Xylene	9.59	106	6609	2.570	ug/L	94
55) Styrene	9.60	104	10800	2.493	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.29	83	7100	3.259	ug/L #	98
59) Bromoform	9.77	173	3989	2.913	ug/L #	97
60) Isopropylbenzene	9.97	105	17117	2.678	ug/L	98
61) 1,2,3-Trichloropropane	10.32	75	5200	3.280	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	14597	2.642	ug/L	100
63) 1,2,4-Trimethylbenzene	10.96	105	13716	2.515	ug/L	96
64) 1,3-Dichlorobenzene	11.22	146	8857	2.747	ug/L	97
65) 1,4-Dichlorobenzene	11.31	146	8959	2.749	ug/L	96
67) 1,2-Dichlorobenzene	11.69	146	9612	2.921	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.48	75	1559	2.984	ug/L	92
69) 1,3,5-Trichlorobenzene	12.69	180	6691	2.560	ug/L	94
70) 1,2,4-trichlorobenzene	13.31	180	4504	1.987	ug/L	100
71) Naphthalene	13.55	128	8672	1.510	ug/L #	78
72) 1,2,3-Trichlorobenzene	13.79	180	4743	2.079	ug/L	92

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

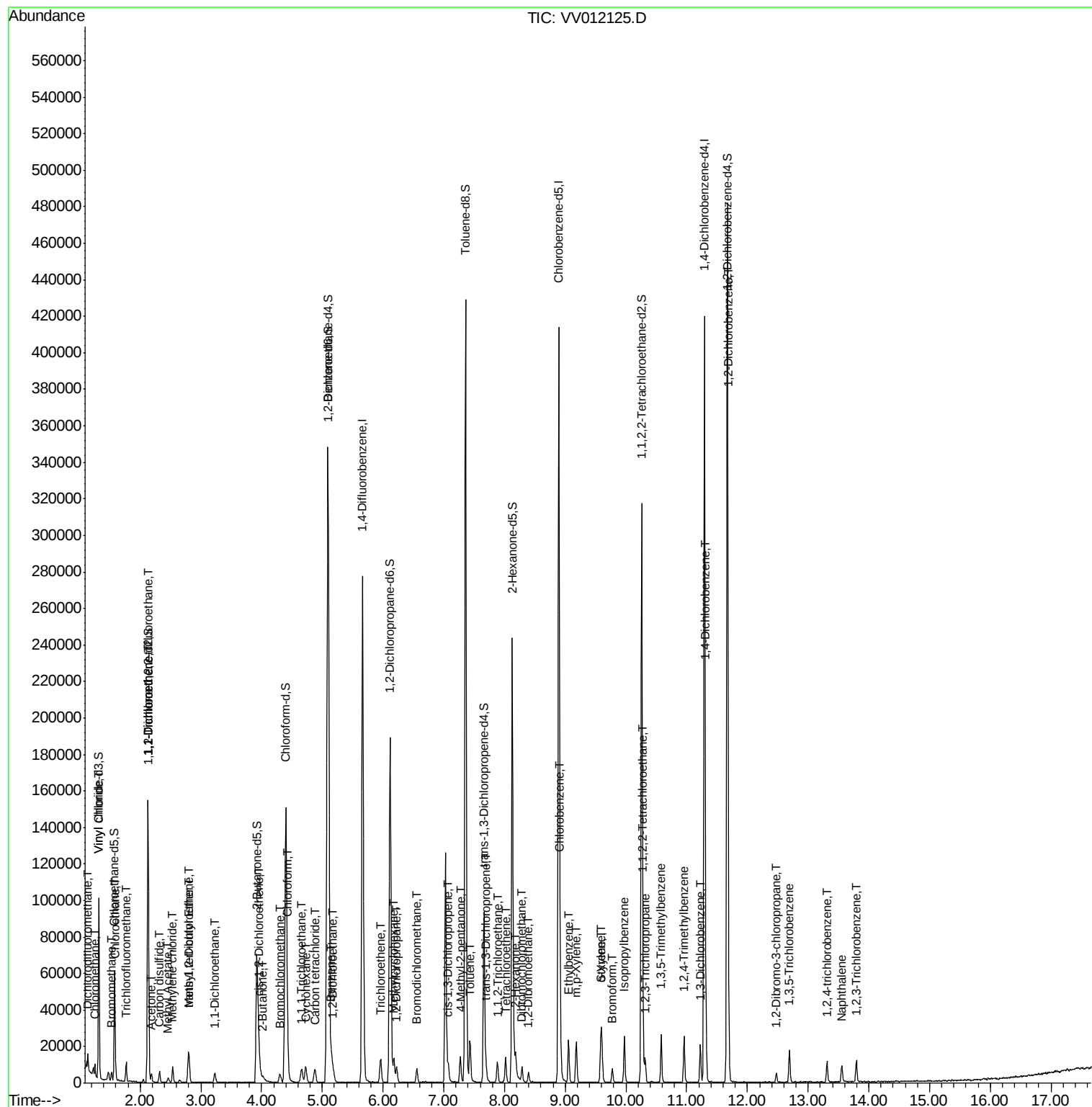
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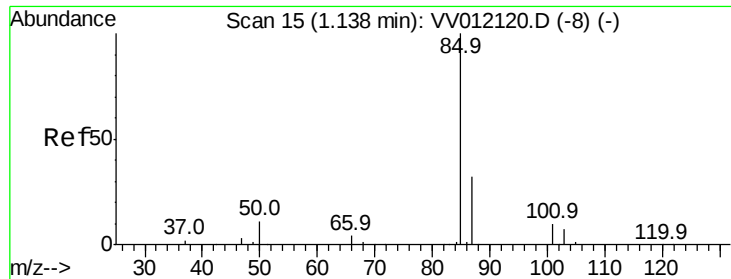
Instrument :
MSVOA_V
ClientSampleId :
MDL05

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#2

Dichlorodifluoromethane

Concen: 2.927 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 85 Resp: 5097

Ion Ratio Lower Upper

85 100

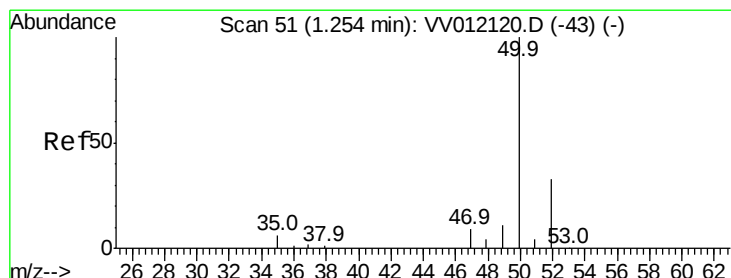
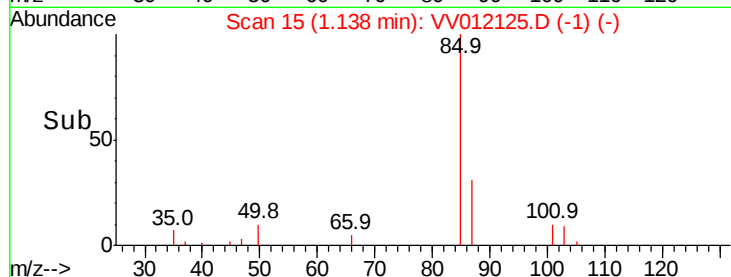
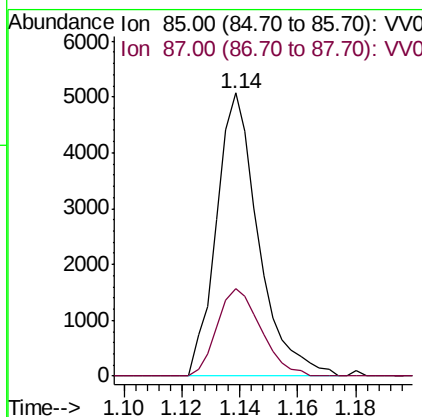
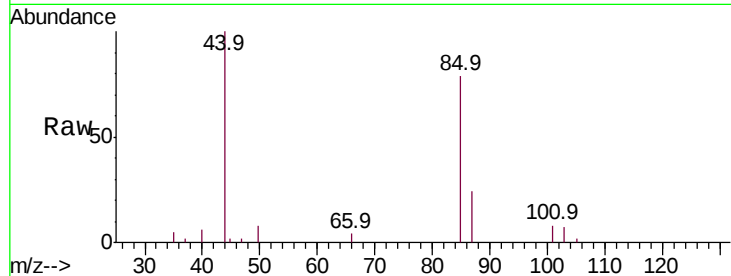
87 32.3 25.3 37.9

Manual Integrations

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#3

Chloromethane

Concen: 3.104 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV012125.D

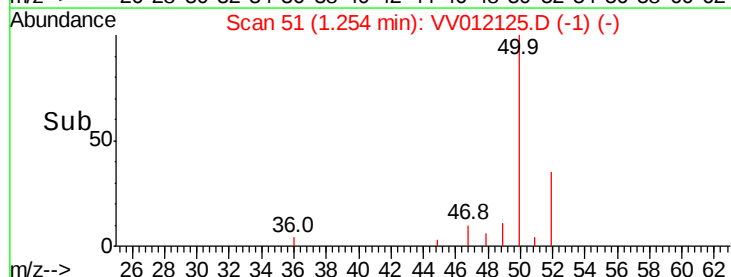
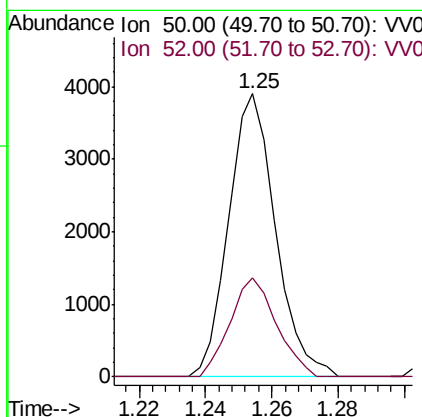
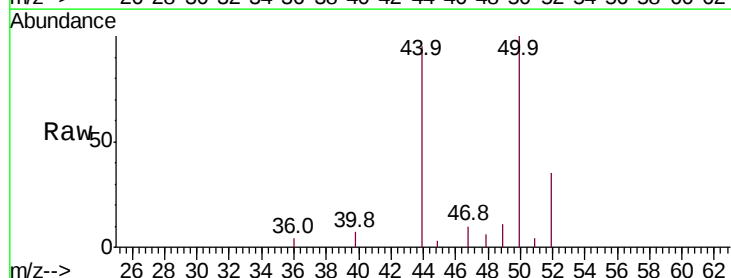
Acq: 07 Aug 2019 14:09

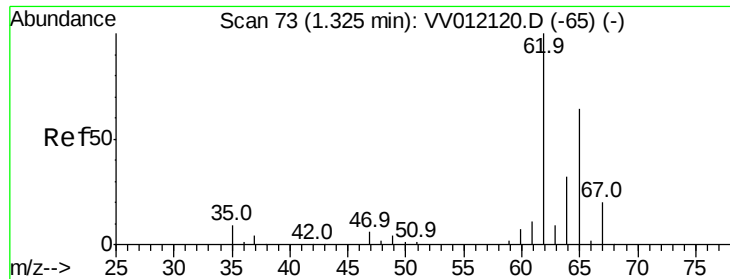
Tgt Ion: 50 Resp: 3837

Ion Ratio Lower Upper

50 100

52 35.0 23.9 44.3





#5

Vinyl chloride

Concen: 2.649 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 62 Resp: 3161

Ion Ratio Lower Upper

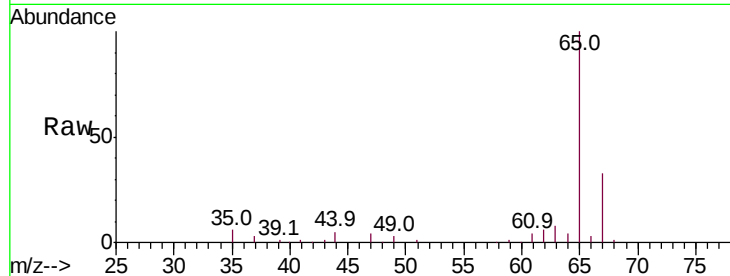
62 100

64 63.9 23.0 42.8#

Manual Integrations
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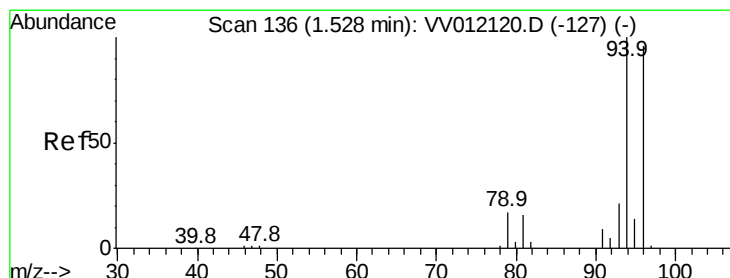
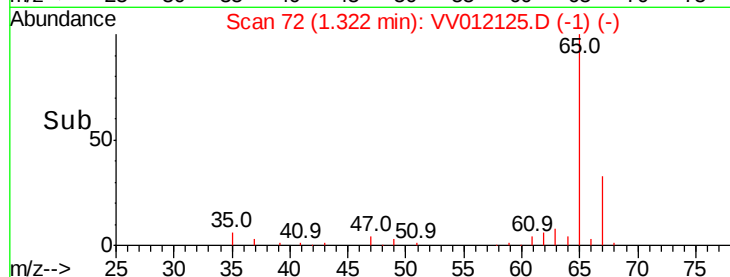
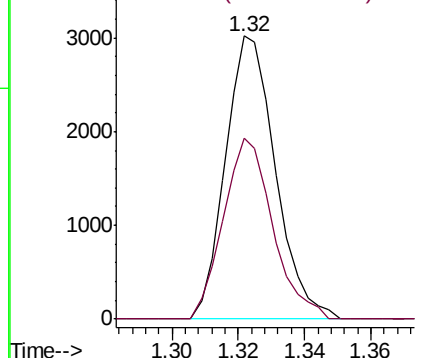
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Abundance Ion 62.00 (61.70 to 62.70): VV012120.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV012120.D (-65) (-)



#6

Bromomethane

Concen: 2.865 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV012125.D

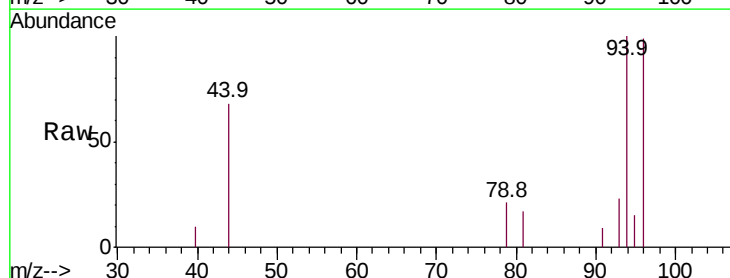
Acq: 07 Aug 2019 14:09

Tgt Ion: 94 Resp: 1985

Ion Ratio Lower Upper

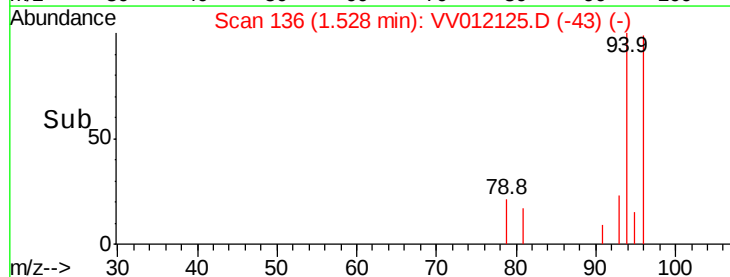
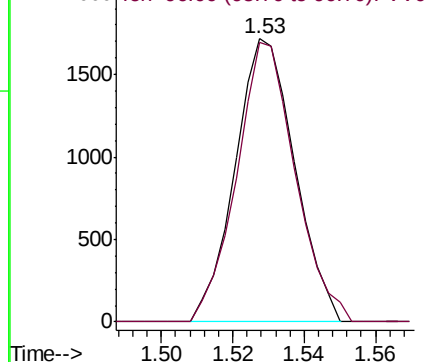
94 100

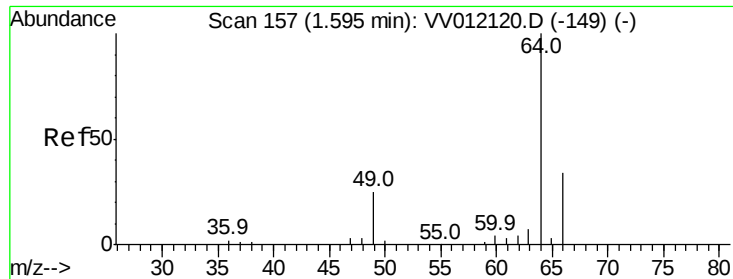
96 98.6 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV012120.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV012120.D (-127) (-)





#8

Chloroethane

Concen: 2.451 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 64 Resp: 1532

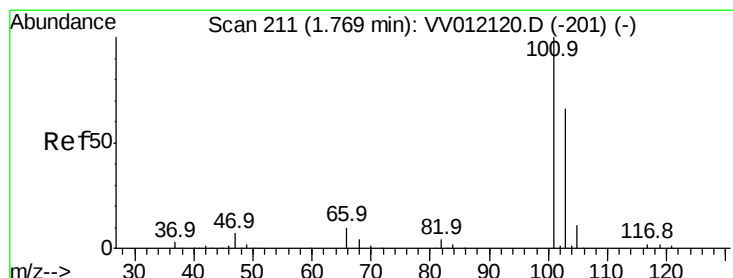
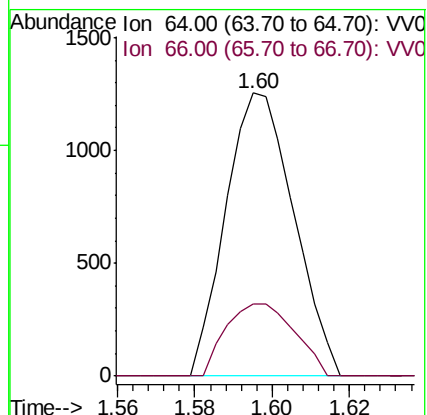
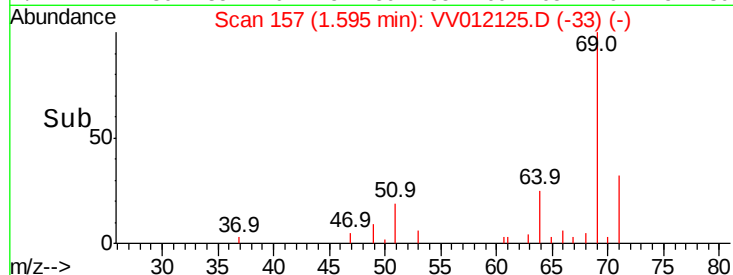
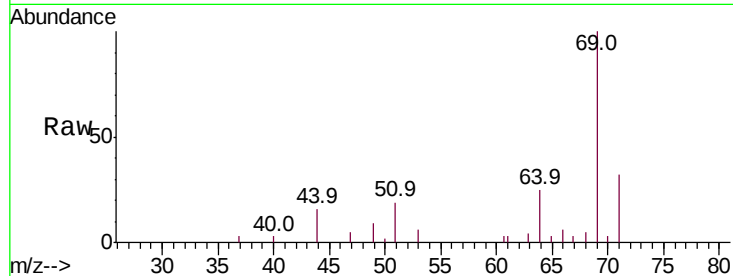
Ion Ratio Lower Upper

64 100

66 25.6 22.6 42.0

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#9

Trichlorofluoromethane

Concen: 2.767 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV012125.D

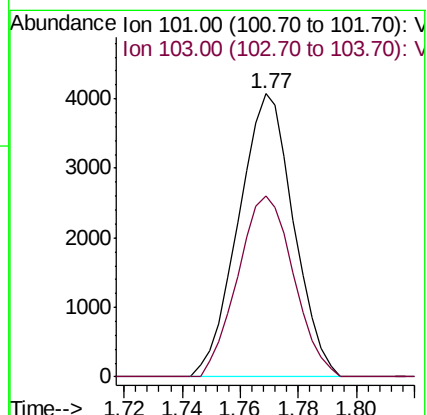
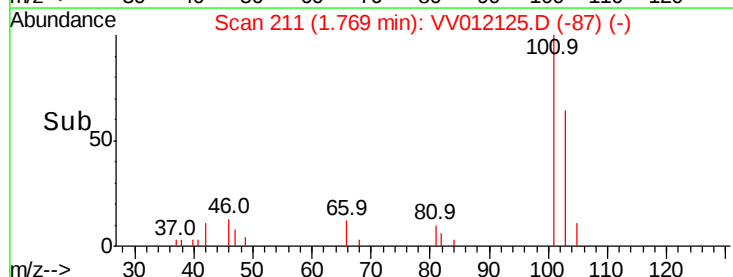
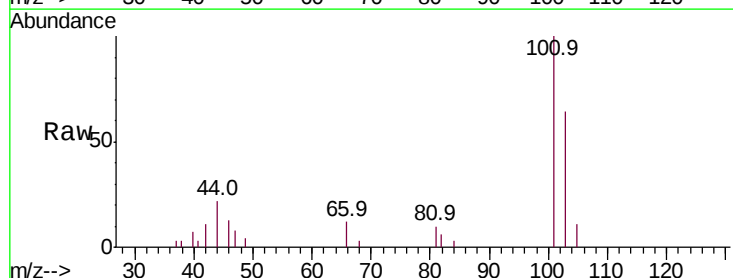
Acq: 07 Aug 2019 14:09

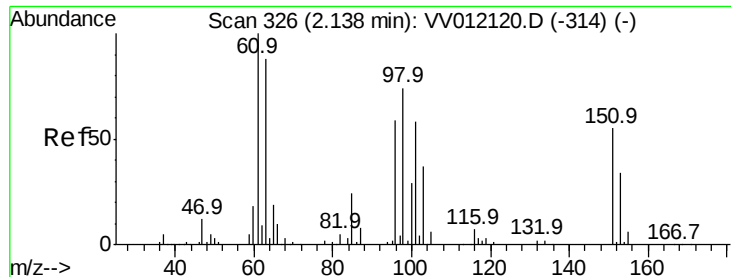
Tgt Ion: 101 Resp: 5369

Ion Ratio Lower Upper

101 100

103 64.8 52.5 78.7





#10

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

Concen: 3.144 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Instrument :

MSVOA_V

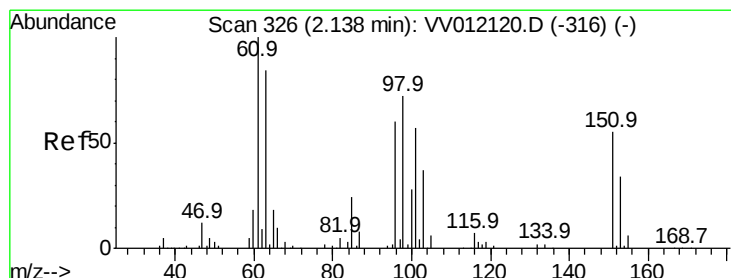
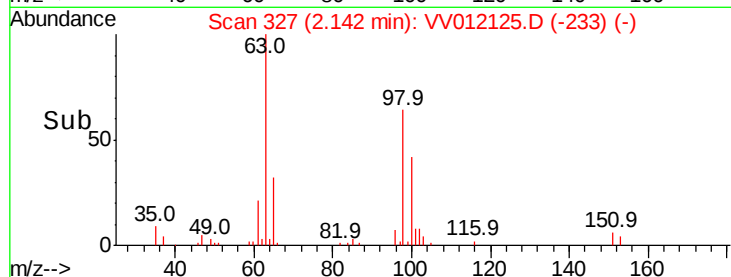
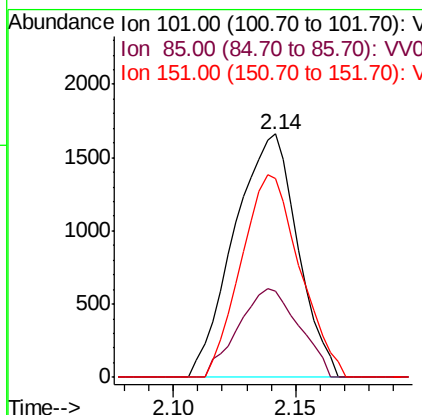
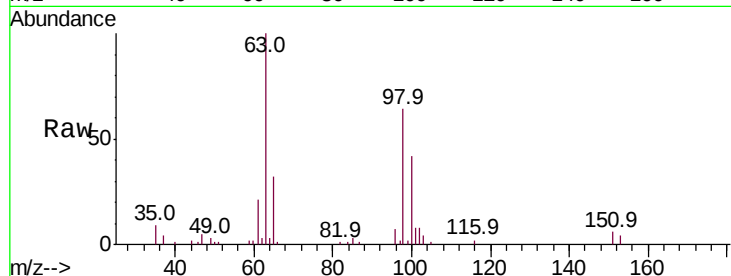
ClientSampleId :

MDL05

Tot Ion:	101	Resp:	2990
Ion Ratio	Lower	Upper	
101	100		
85	34.7	34.4	51.6
151	77.2	72.2	108.2

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#12

1,1-Dichloroethene

Concen: 3.024 ug/L

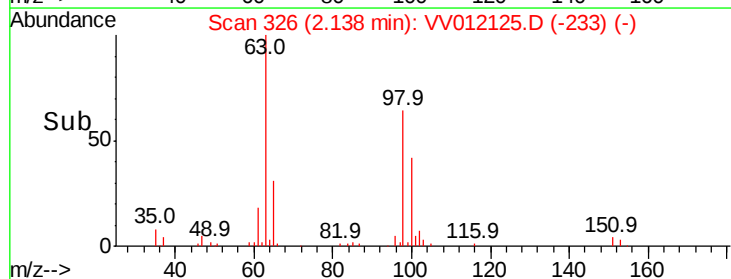
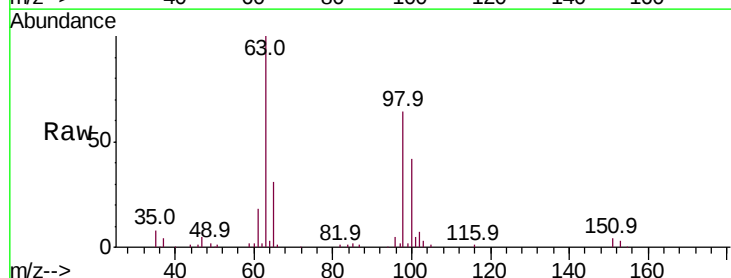
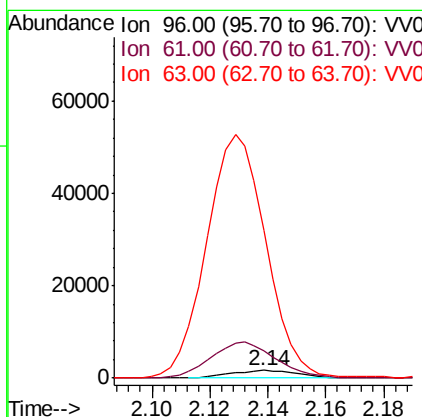
RT: 2.14 min Scan# 326

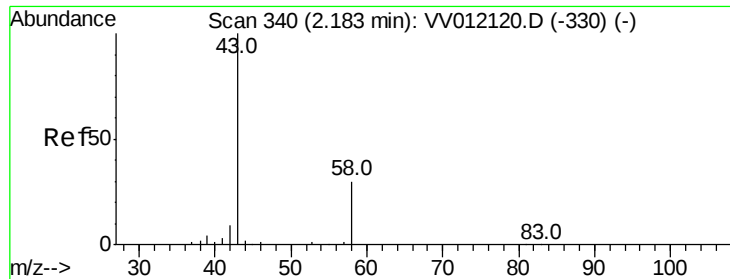
Delta R.T. -0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Tgt Ion:	96	Resp:	2708
Ion Ratio	Lower	Upper	
96	100		
61	355.6	120.0	223.0#
63	1946.3	98.3	182.7#





#13

Acetone

Concen: 5.010 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 43 Resp: 3354

Ion Ratio Lower Upper

43 100

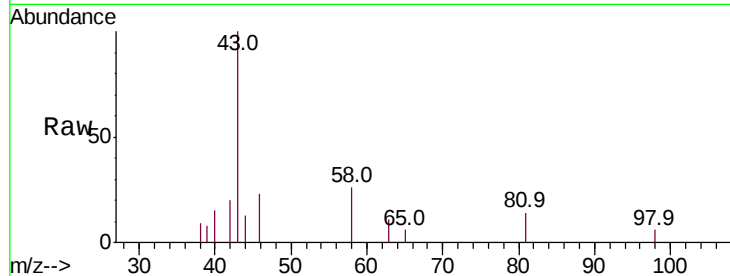
58 25.0 0.0 59.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.19

2000

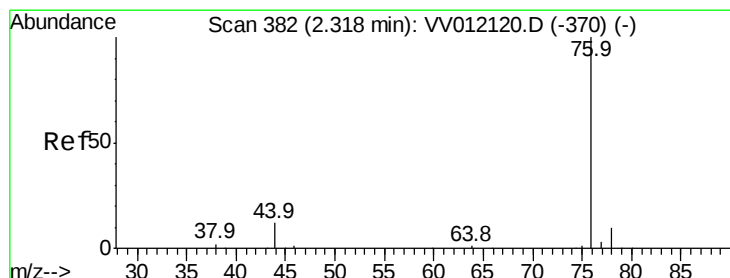
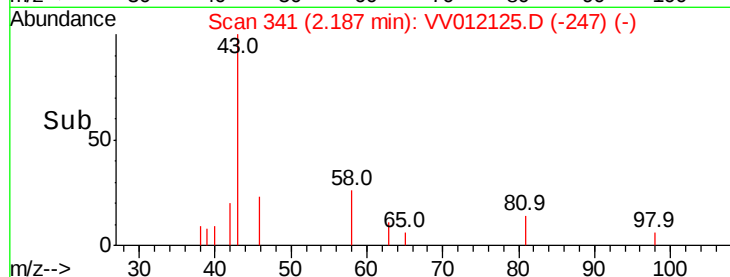
1500

1000

500

0

Time-->



#14

Carbon disulfide

Concen: 2.367 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV012125.D

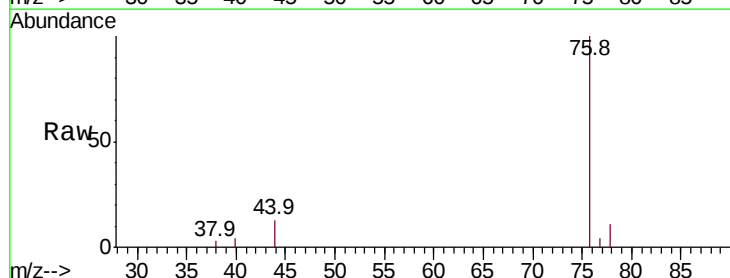
Acq: 07 Aug 2019 14:09

Tgt Ion: 76 Resp: 7163

Ion Ratio Lower Upper

76 100

78 10.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

5000

4000

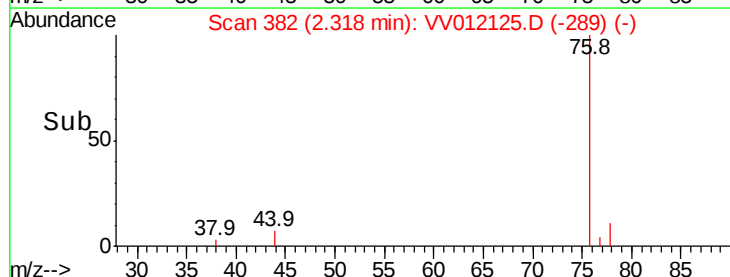
3000

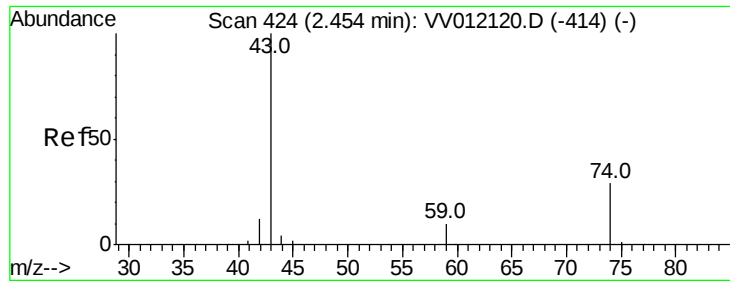
2000

1000

0

Time-->





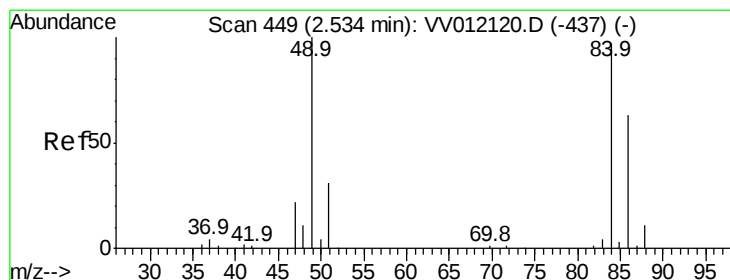
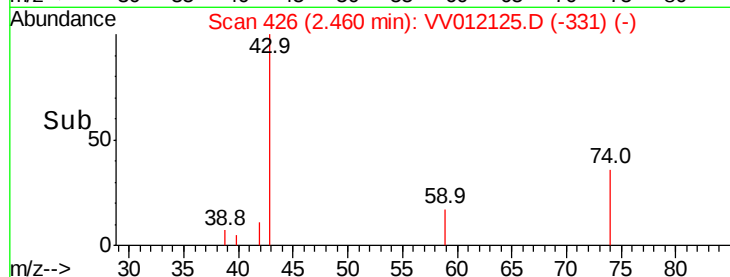
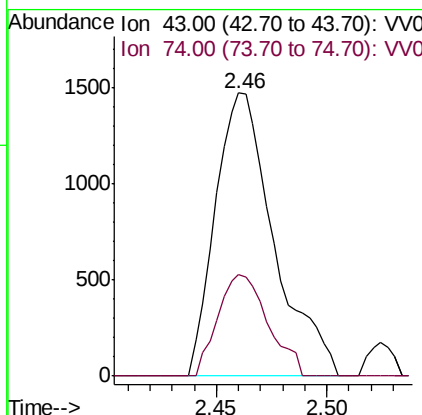
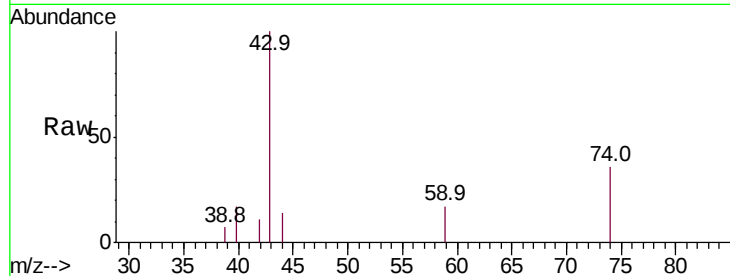
#15
Methyl Acetate
Concen: 2.306 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV012125.D
Acq: 07 Aug 2019 14:09

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion: 43 Resp: 2701
Ion Ratio Lower Upper
43 100
74 30.8 21.8 32.6

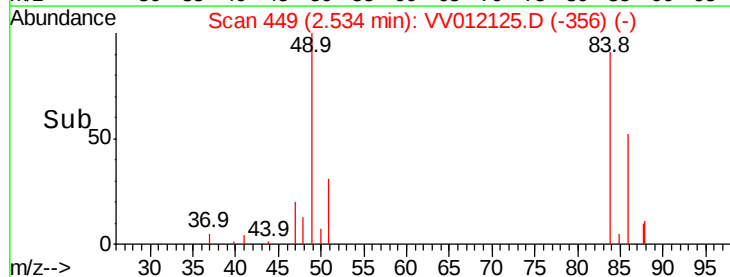
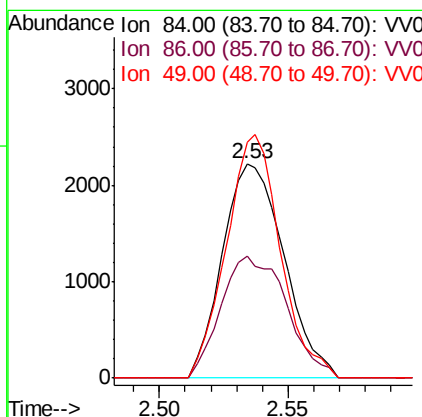
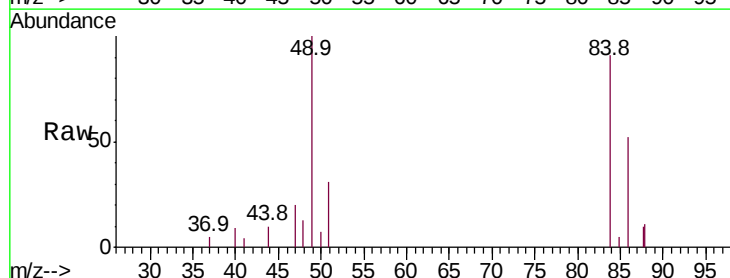
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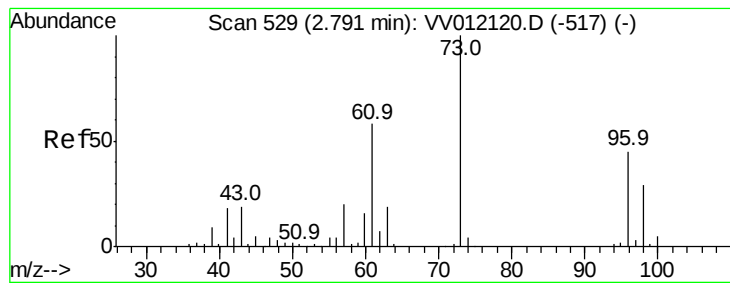
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#16
Methylene chloride
Concen: 2.722 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012125.D
Acq: 07 Aug 2019 14:09

Tgt Ion: 84 Resp: 3699
Ion Ratio Lower Upper
84 100
86 56.8 45.7 84.9
49 110.3 76.6 142.2





#17

trans-1,2-Dichloroethene

Concen: 2.662 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 96 Resp: 3367

Ion Ratio Lower Upper

96 100

61 118.3 90.6 168.3

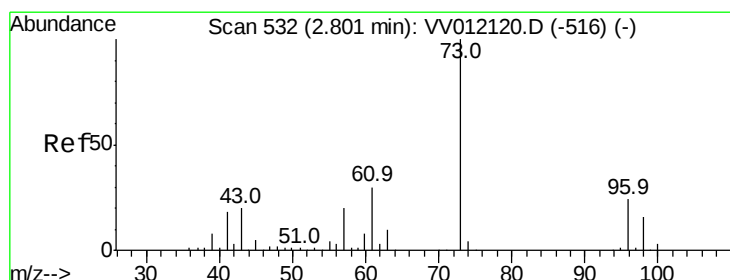
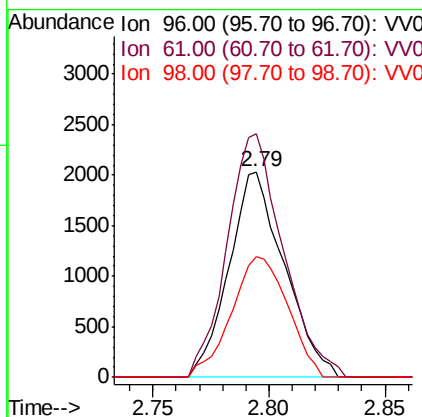
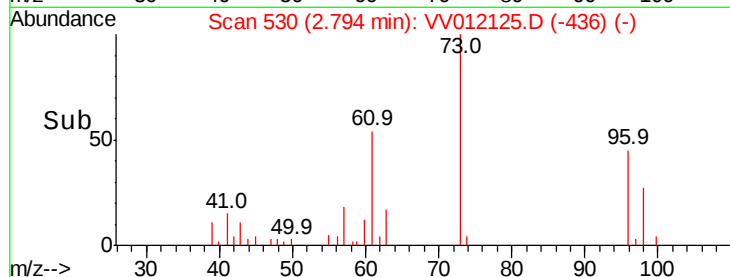
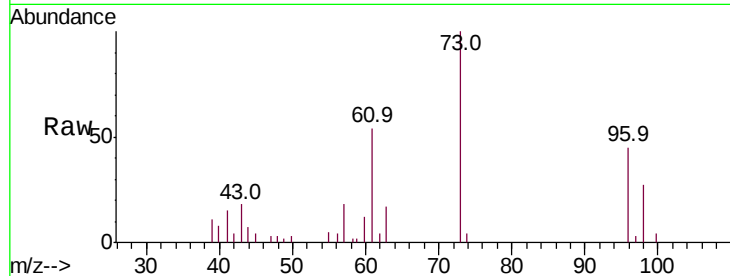
98 58.9 44.2 82.2

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#18

Methyl tert-butyl Ether

Concen: 2.548 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

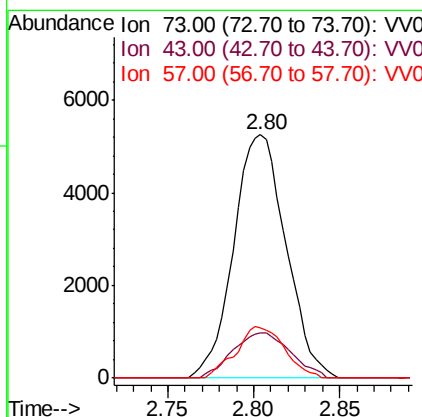
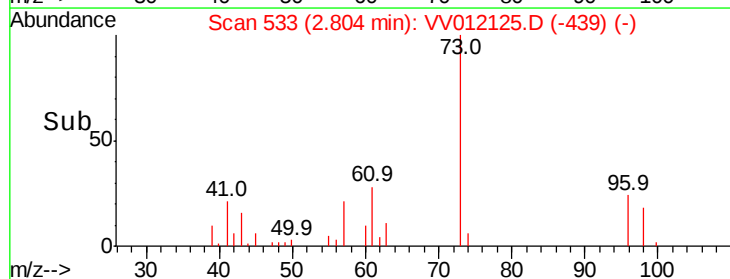
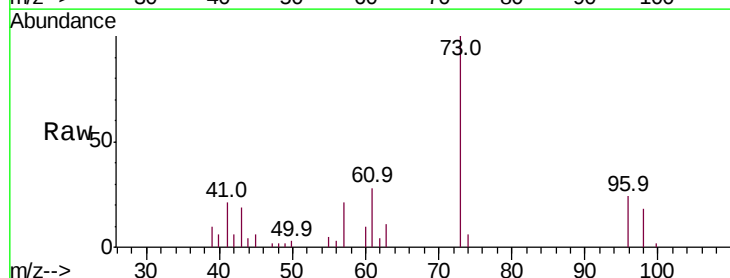
Tgt Ion: 73 Resp: 11073

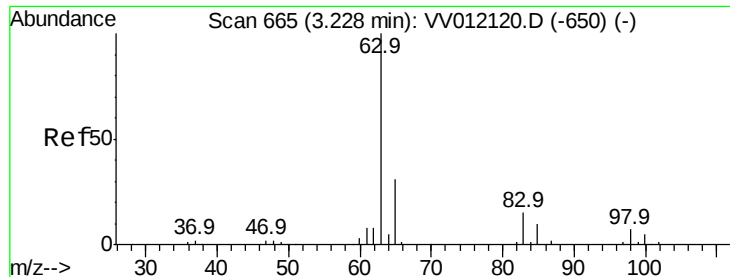
Ion Ratio Lower Upper

73 100

43 20.6 15.6 23.4

57 19.7 16.0 24.0





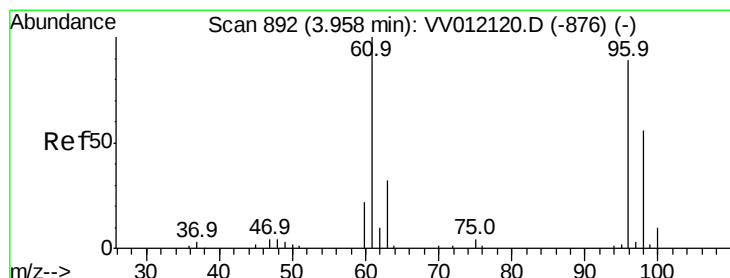
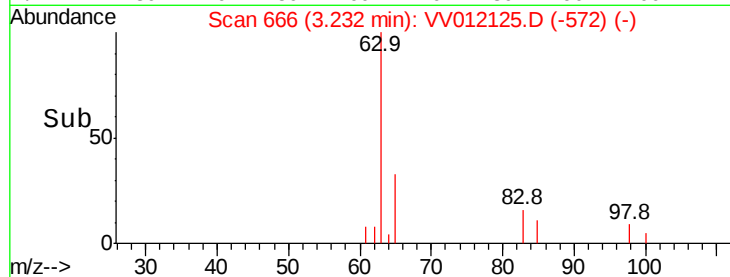
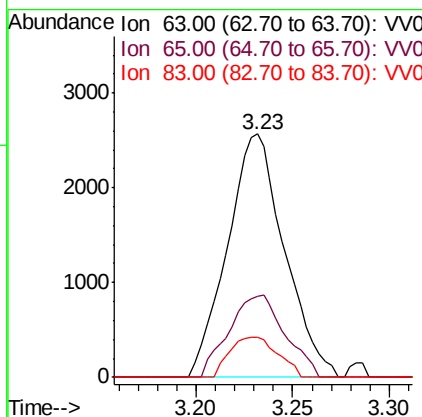
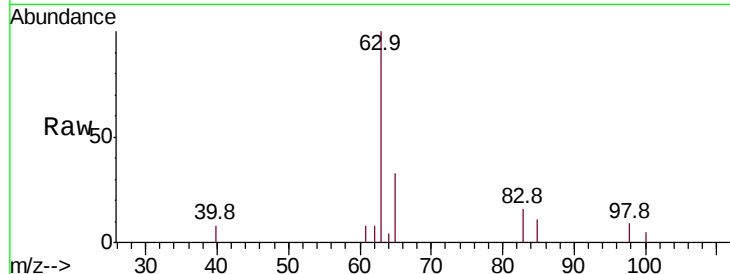
#19
 1,1-Dichloroethane
 Concen: 2.285 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV012125.D
 Acq: 07 Aug 2019 14:09

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.5	22.3	41.3
83	16.3	10.3	19.1

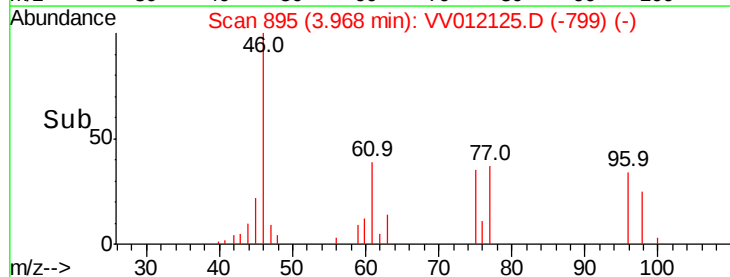
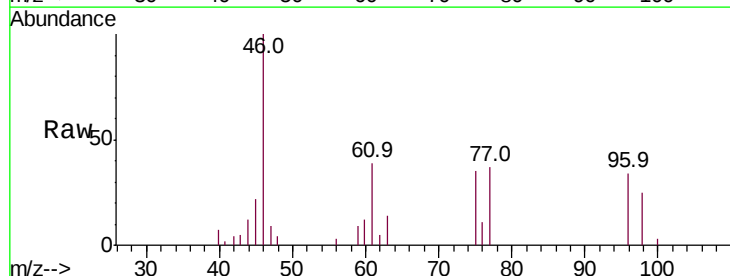
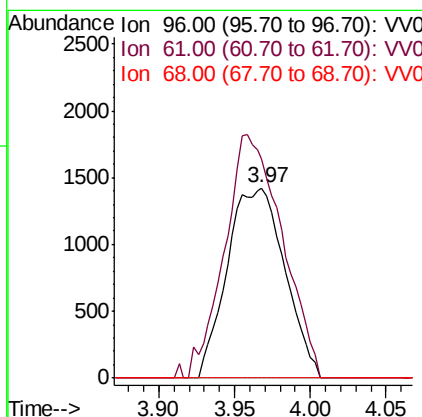
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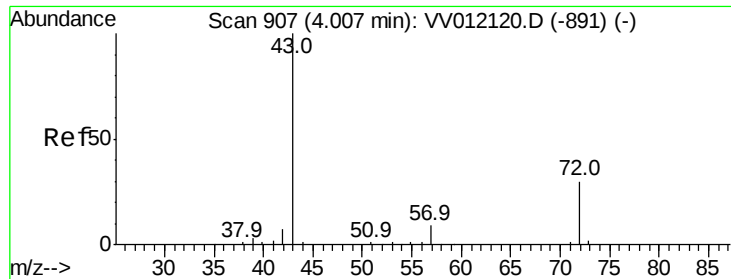
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#20
 cis-1,2-Dichloroethene
 Concen: 2.516 ug/L m
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV012125.D
 Acq: 07 Aug 2019 14:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	115.1	80.0	148.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 5.282 ug/L m

RT: 4.03 min Scan# 915

Delta R.T. 0.03 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 43 Resp: 4557

Ion Ratio Lower Upper

43 100

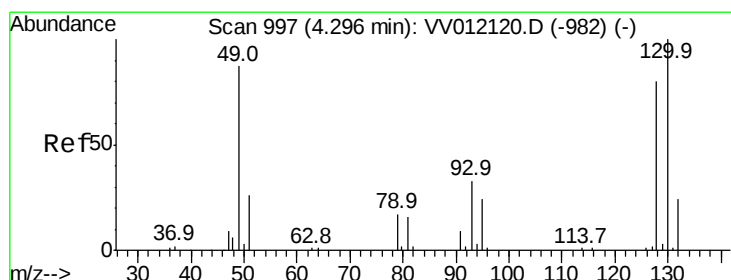
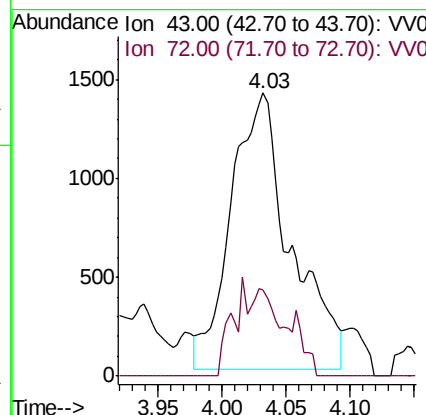
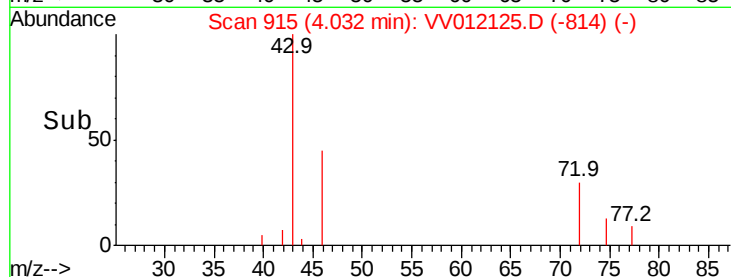
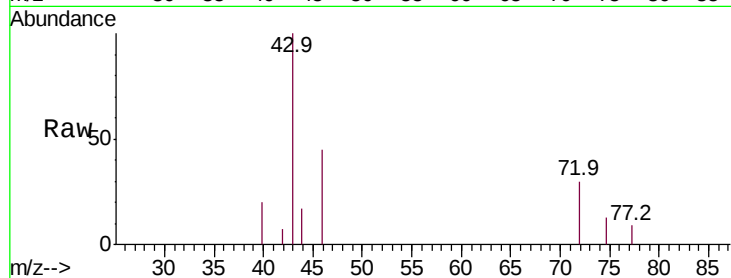
72 12.2 15.0 45.0#

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#23

Bromochloromethane

Concen: 2.469 ug/L

RT: 4.31 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Tgt Ion: 128 Resp: 2022

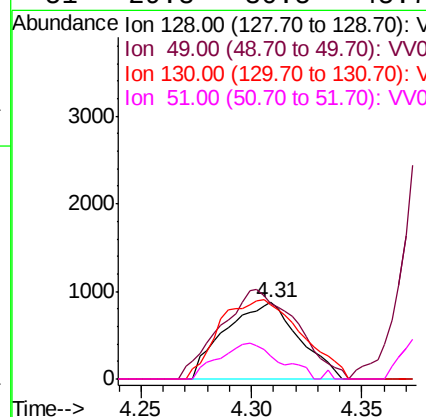
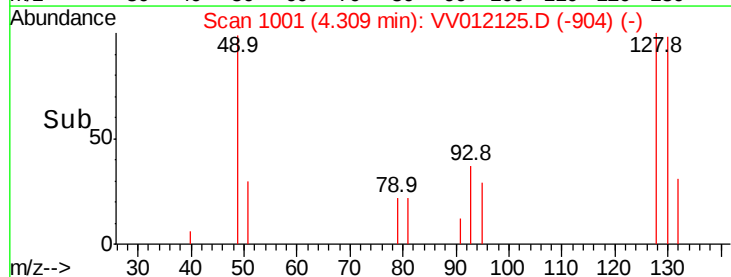
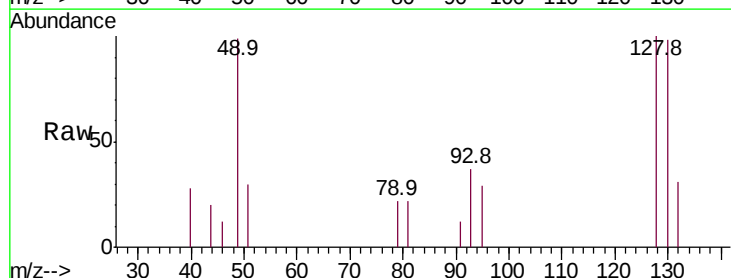
Ion Ratio Lower Upper

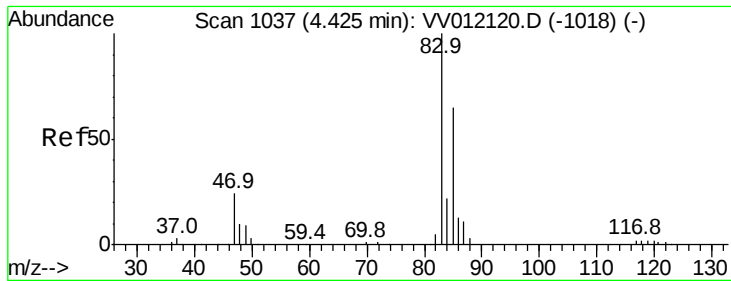
128 100

49 98.9 84.6 157.2

130 97.6 89.9 167.0

51 29.8 30.5 45.7#





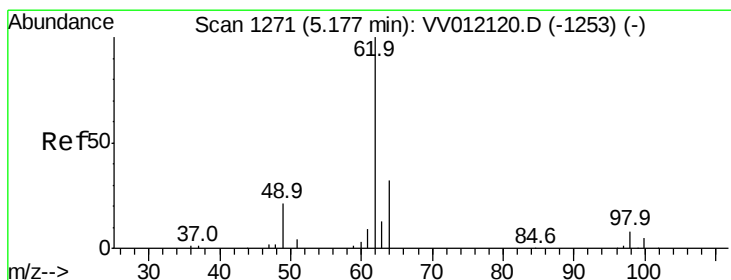
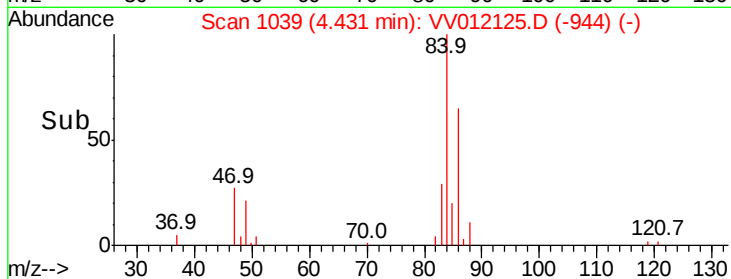
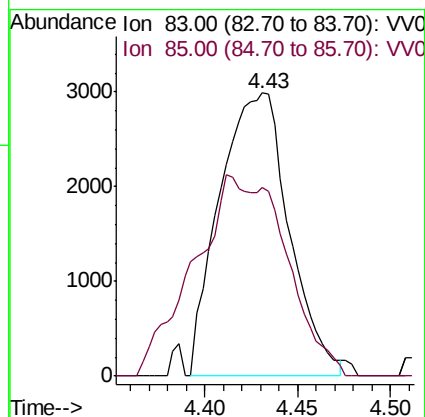
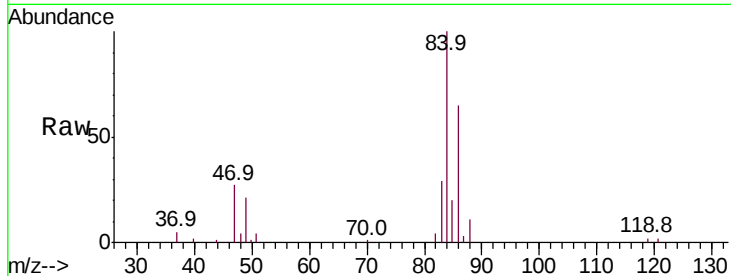
#25
Chloroform
Concen: 2.981 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV012125.D
Acq: 07 Aug 2019 14:09

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion: 83 Resp: 7792
Ion Ratio Lower Upper
83 100
85 66.8 45.8 85.2

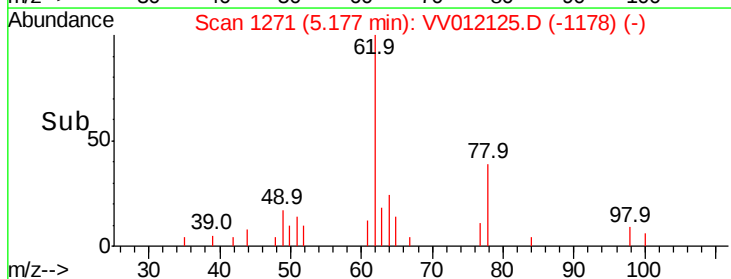
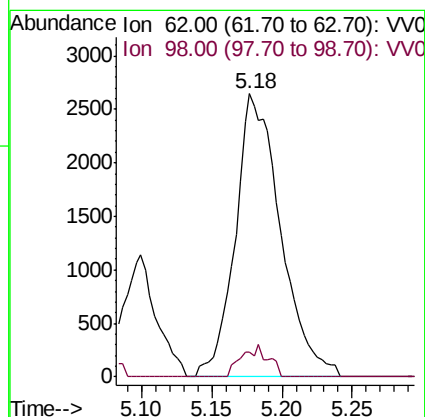
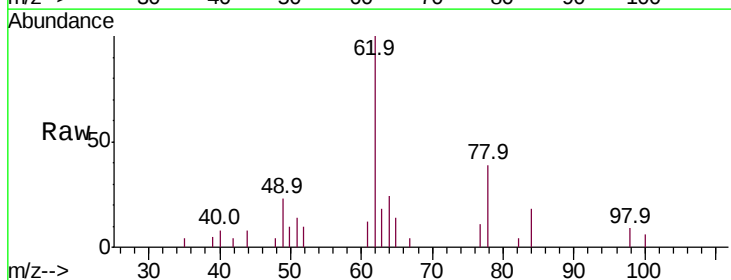
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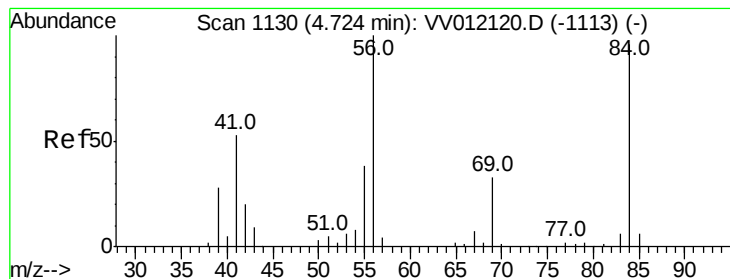
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#27
1,2-Dichloroethane
Concen: 2.924 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012125.D
Acq: 07 Aug 2019 14:09

Tgt Ion: 62 Resp: 5941
Ion Ratio Lower Upper
62 100
98 8.8 7.5 11.3





#29

Cyclohexane

Concen: 2.391 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 56 Resp: 4680

Ion Ratio Lower Upper

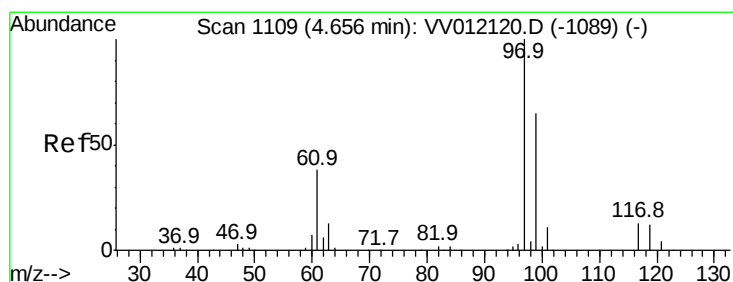
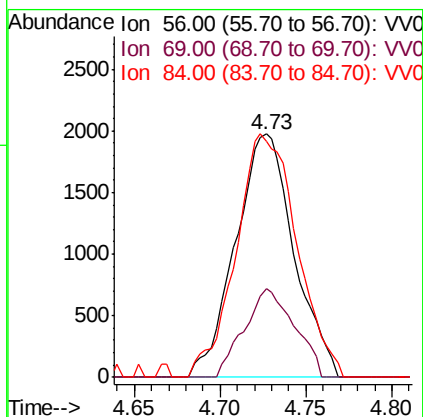
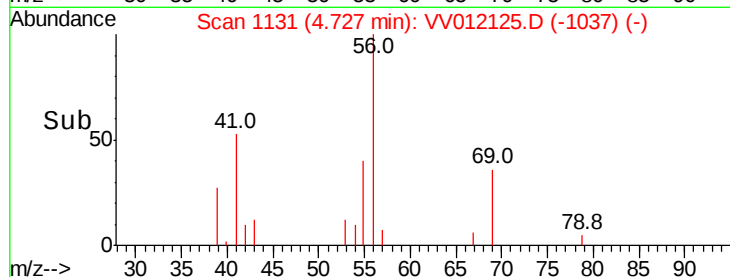
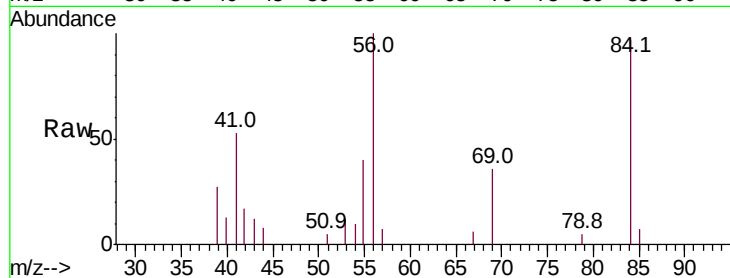
56 100

69 31.1 25.8 38.8

84 103.5 76.0 114.0

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#30

1,1,1-Trichloroethane

Concen: 2.515 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

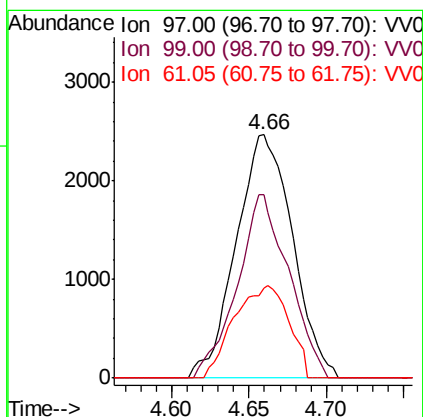
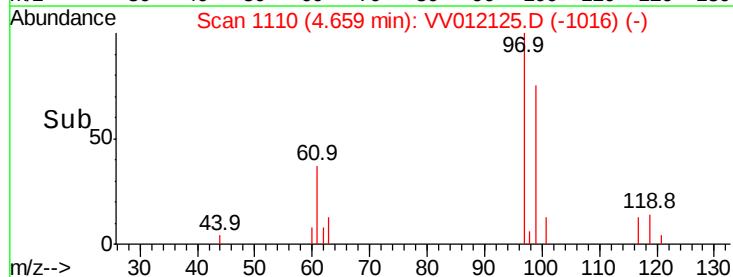
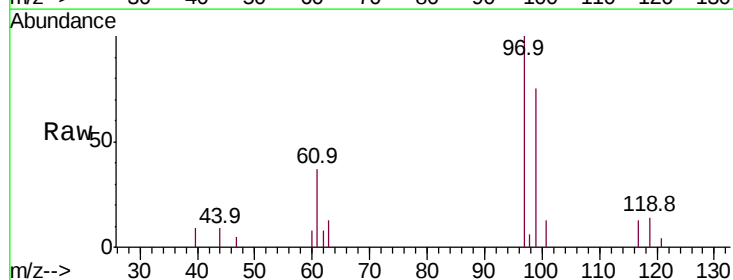
Tgt Ion: 97 Resp: 6254

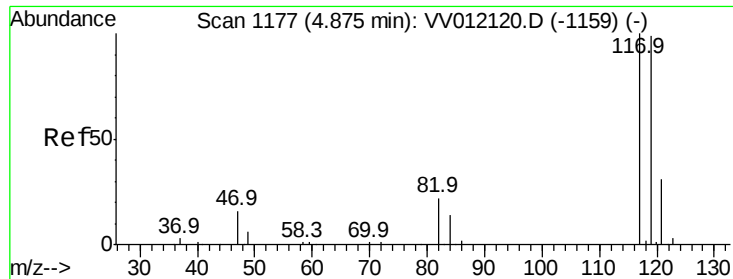
Ion Ratio Lower Upper

97 100

99 69.0 51.1 76.7

61 36.8 31.3 46.9





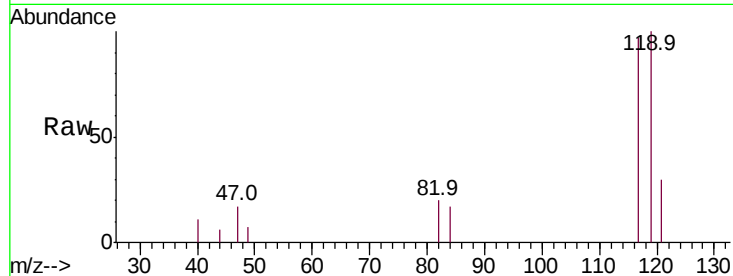
#31
Carbon tetrachloride
Concen: 2.575 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV012125.D
Acq: 07 Aug 2019 14:09

Instrument :
MSVOA_V
ClientSampleId :
MDL05

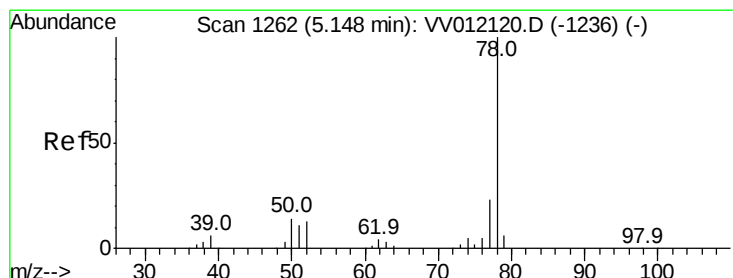
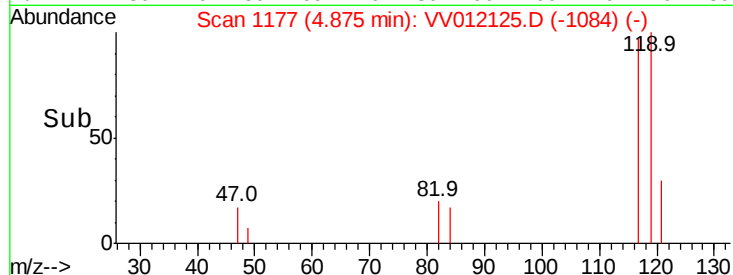
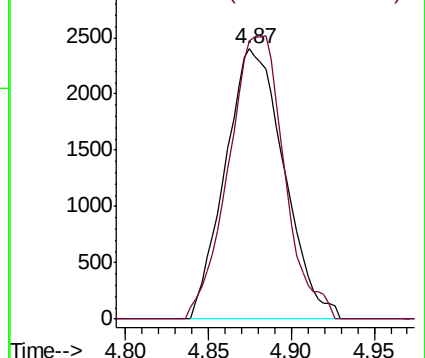
Tot Ion:117 Resp: 5941
Ion Ratio Lower Upper
117 100
119 97.5 78.2 117.4

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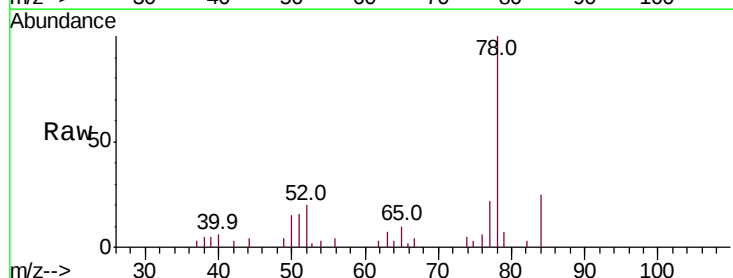


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

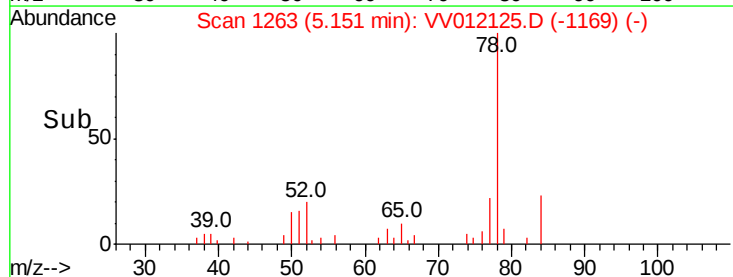
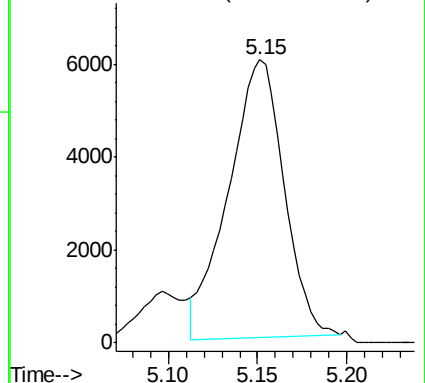


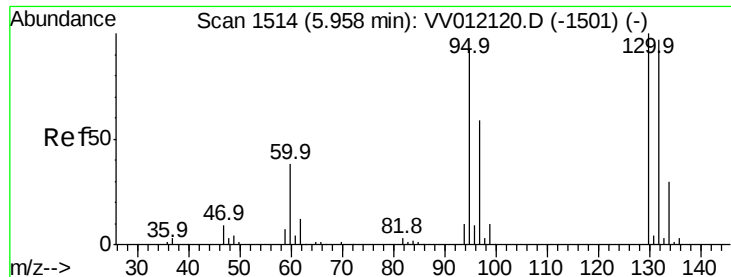
#33
Benzene
Concen: 2.406 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV012125.D
Acq: 07 Aug 2019 14:09

Tgt Ion: 78 Resp: 12966



Abundance Ion 78.00 (77.70 to 78.70): VV0





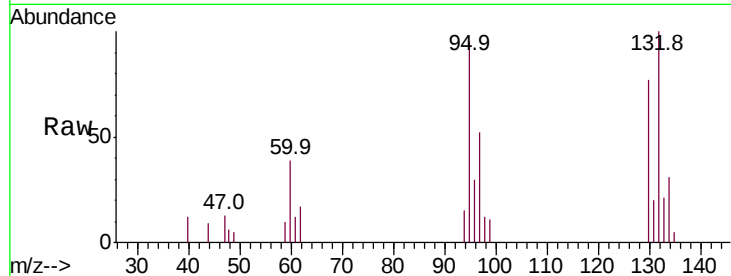
#34
 Trichloroethene
 Concen: 2.659 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV012125.D
 Acq: 07 Aug 2019 14:09

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

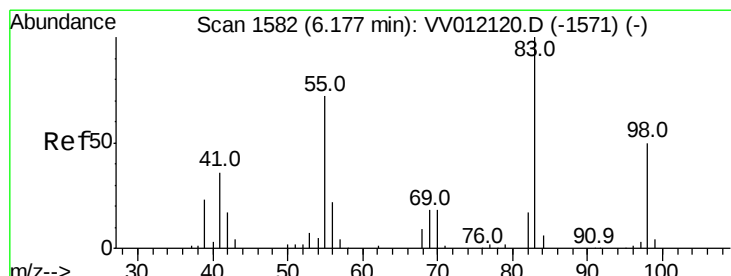
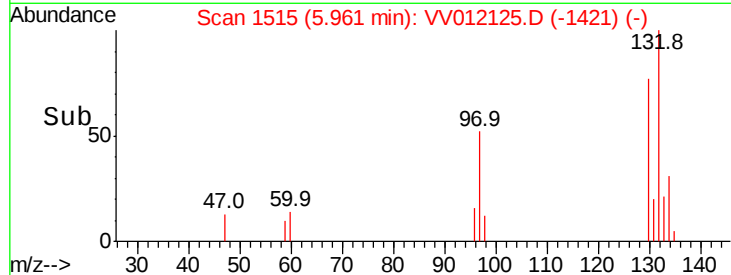
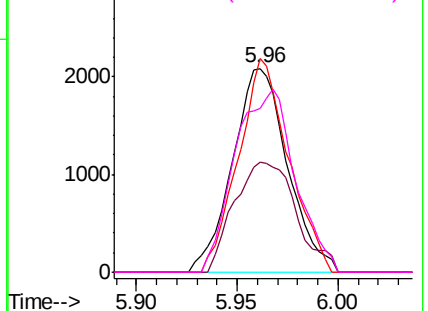
Tot Ion: 95 Resp: 3983
 Ion Ratio Lower Upper
 95 100
 97 54.2 43.4 80.6
 132 104.9 73.1 135.8
 130 80.5 75.3 139.8

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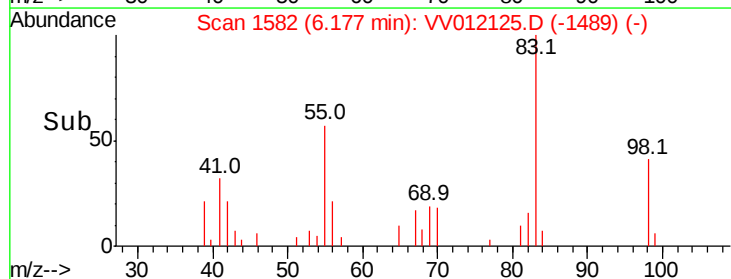
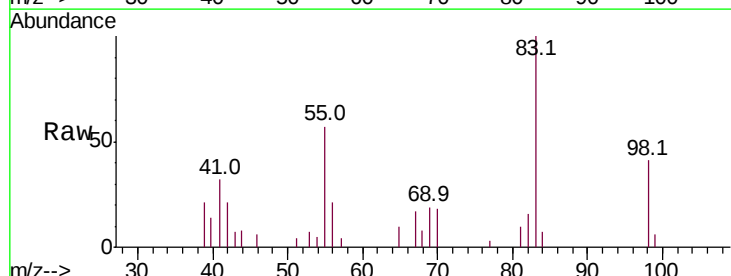
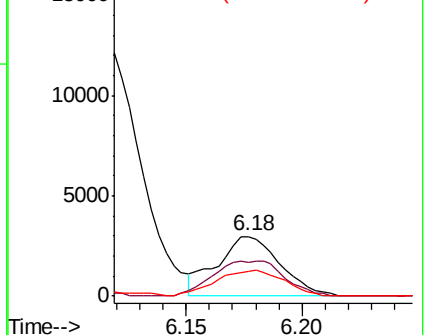
Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

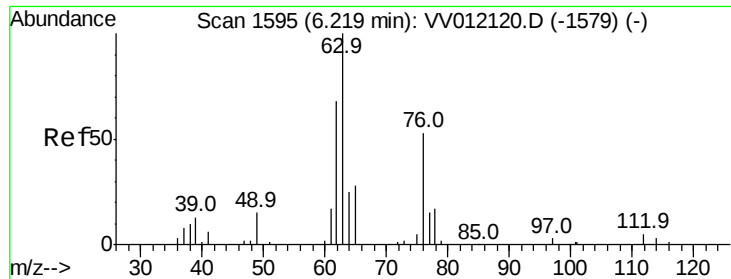


#35
 Methylcyclohexane
 Concen: 2.509 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV012125.D
 Acq: 07 Aug 2019 14:09

Tgt Ion: 83 Resp: 5593
 Ion Ratio Lower Upper
 83 100
 55 36.0 55.5 83.3#
 98 46.4 38.5 57.7

Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 2.450 ug/L m

RT: 6.23 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

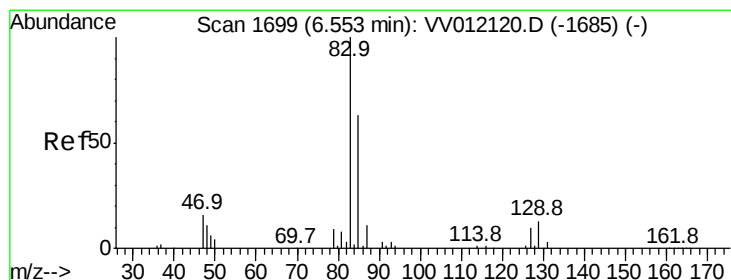
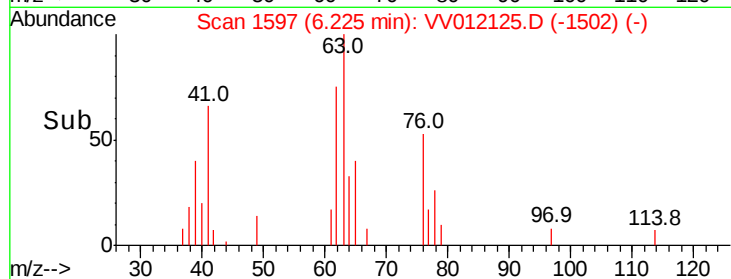
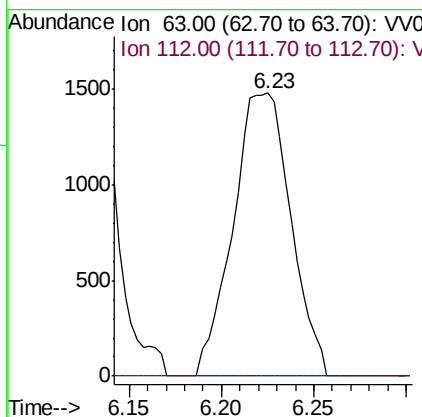
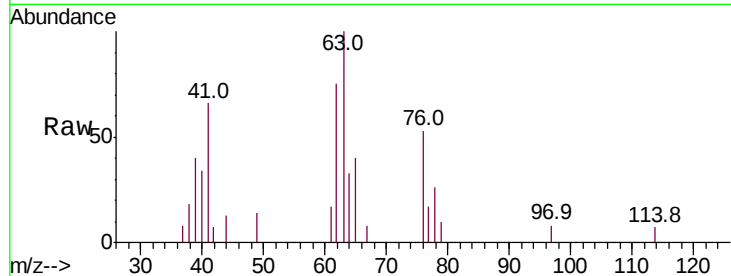
Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion: 63 Resp: 3220

Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.2	6.2#

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#38

Bromodichloromethane

Concen: 2.575 ug/L

RT: 6.56 min Scan# 1700

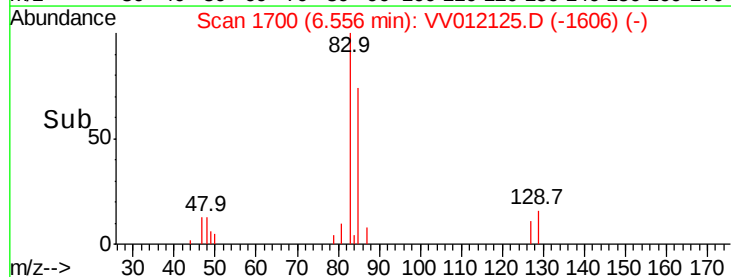
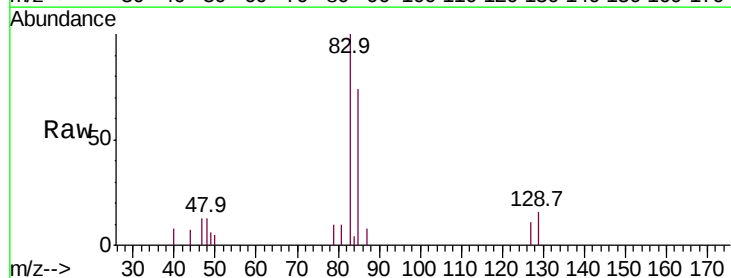
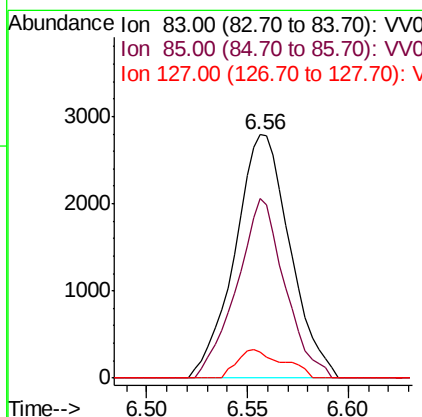
Delta R.T. 0.00 min

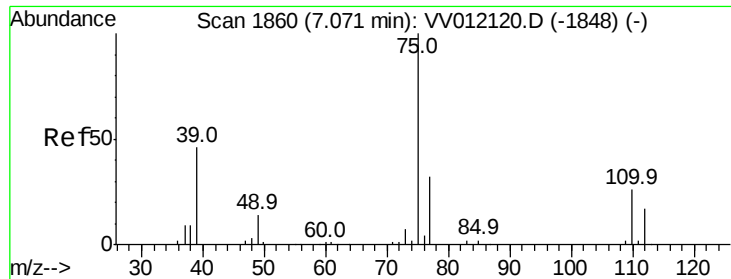
Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Tgt Ion: 83 Resp: 5325

Ion	Ratio	Lower	Upper
83	100		
85	73.7	45.0	83.6
127	10.6	7.9	11.9





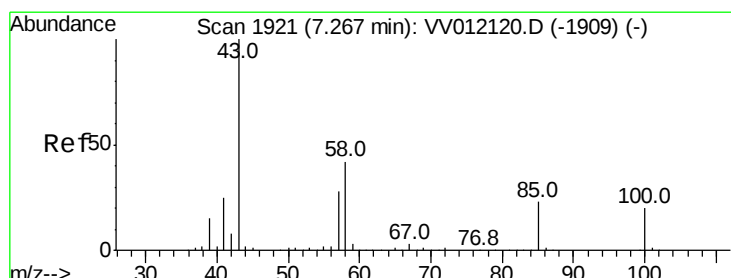
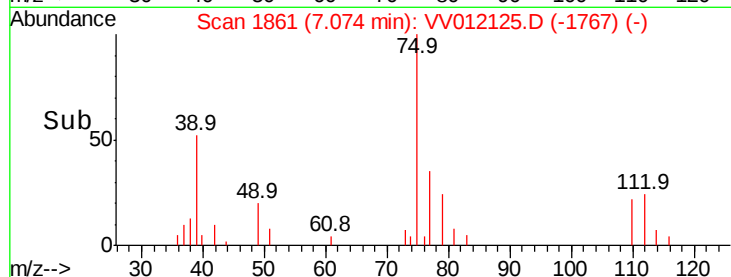
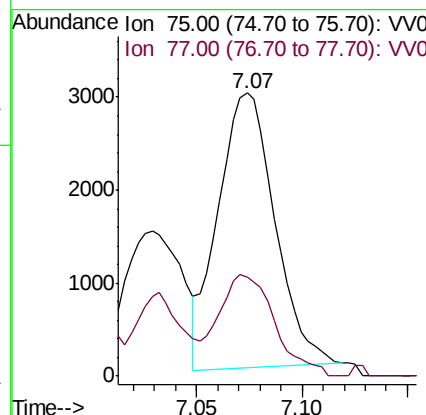
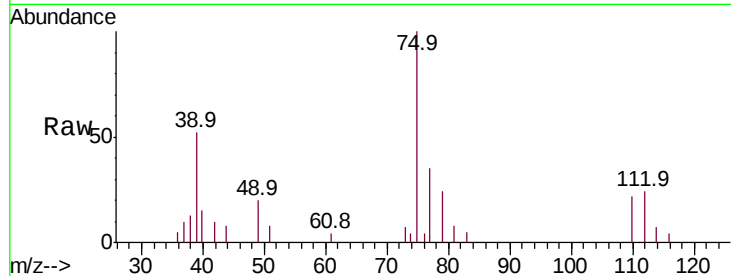
#39
 cis-1,3-Dichloropropene
 Concen: 2.391 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012125.D
 Acq: 07 Aug 2019 14:09

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion: 75 Resp: 5540
 Ion Ratio Lower Upper
 75 100
 77 35.0 22.3 41.5

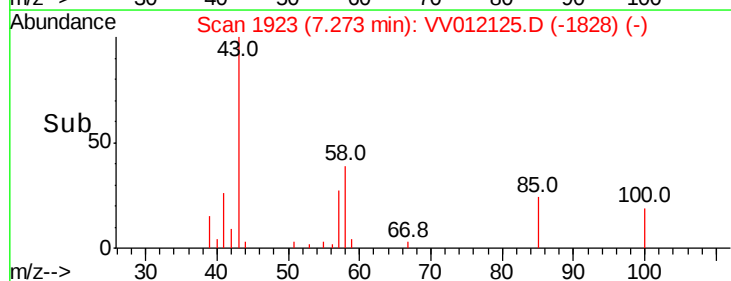
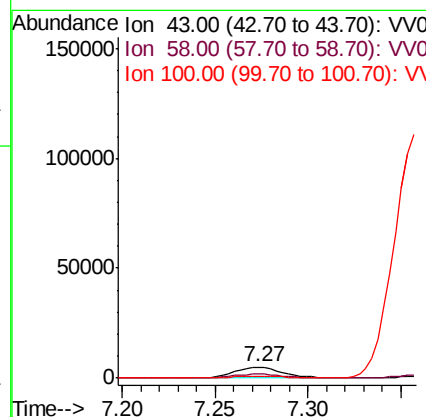
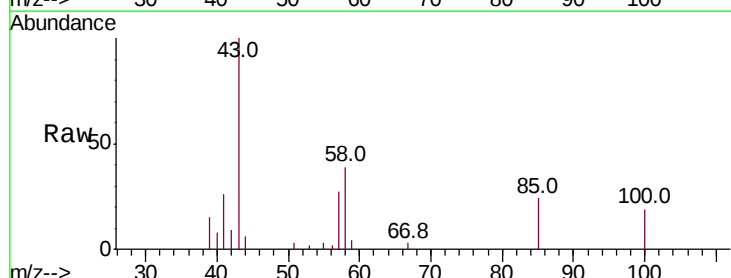
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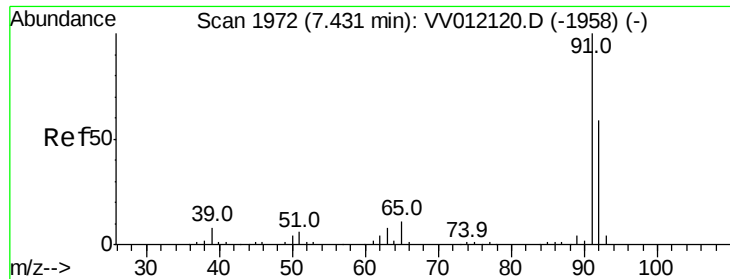
MMDadoda
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#40
 4-Methyl-2-pentanone
 Concen: 5.297 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VV012125.D
 Acq: 07 Aug 2019 14:09

Tgt Ion: 43 Resp: 8961
 Ion Ratio Lower Upper
 43 100
 58 39.2 33.4 50.2
 100 19.2 15.0 22.4





#42

Toluene

Concen: 2.698 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 91 Resp: 16156

Ion Ratio Lower Upper

91 100

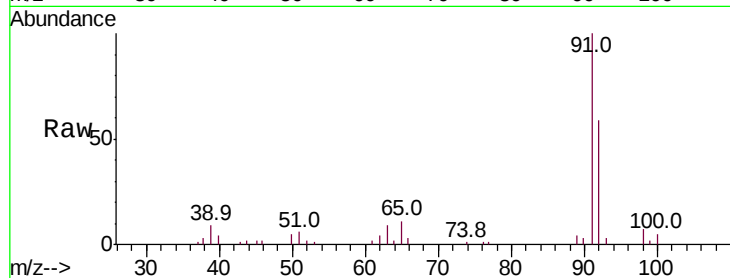
92 59.0 40.1 74.5

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Abundance Ion 91.00 (90.70 to 91.70): VV012125.D (-1879) (-)

Ion 92.00 (91.70 to 92.70): VV012125.D (-1879) (-)

7.43

10000

8000

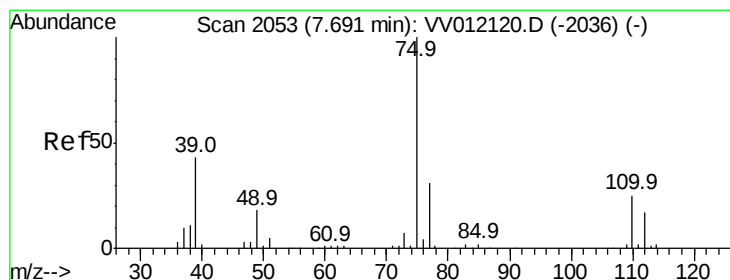
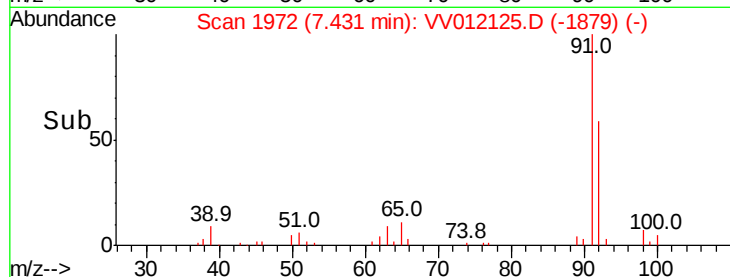
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 2.529 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012125.D

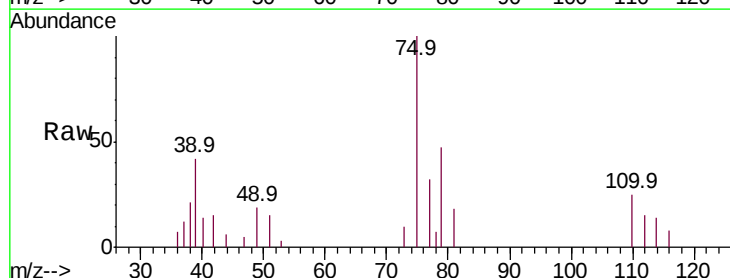
Acq: 07 Aug 2019 14:09

Tgt Ion: 75 Resp: 5533

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV012125.D (-1960) (-)

Ion 77.00 (76.70 to 77.70): VV012125.D (-1960) (-)

7.69

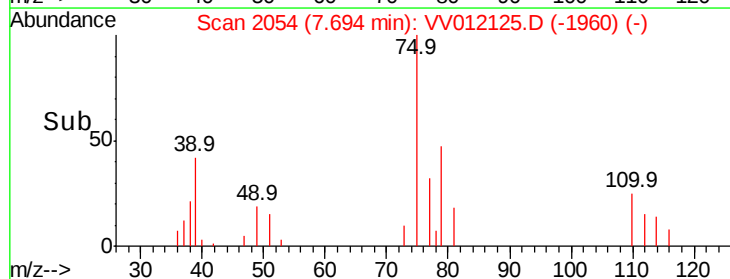
3000

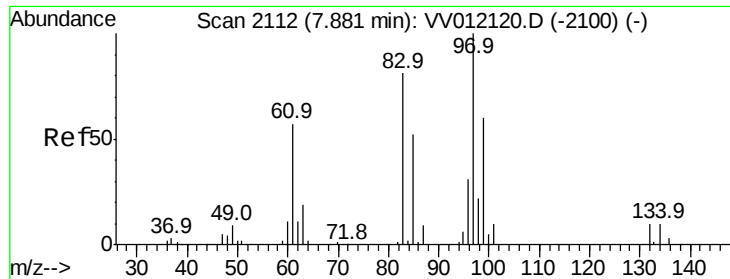
2000

1000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 2.452 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 97 Resp: 3474

Ion Ratio Lower Upper

97 100

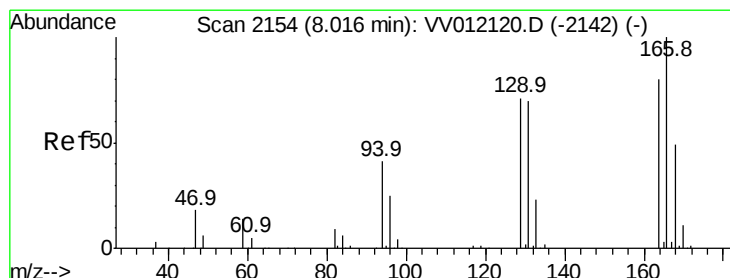
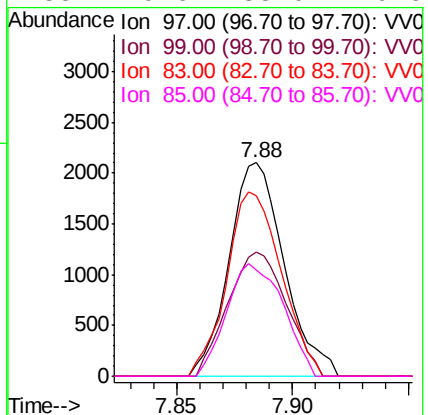
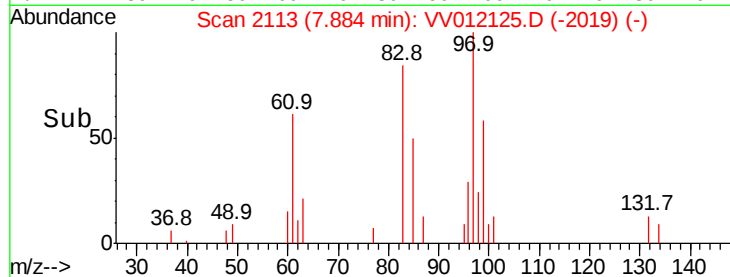
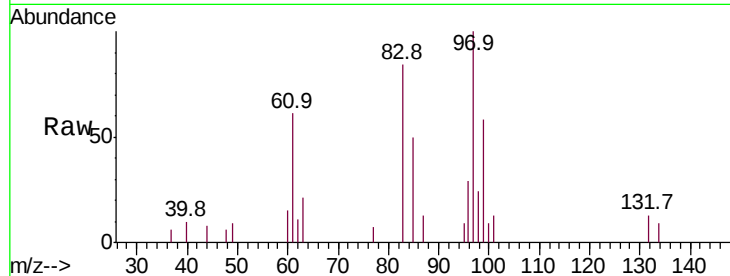
99 57.9 47.2 87.6

83 84.4 58.0 107.6

85 49.6 38.0 70.6

Manual Integrations
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#46

Tetrachloroethene

Concen: 2.474 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Tgt Ion: 164 Resp: 3452

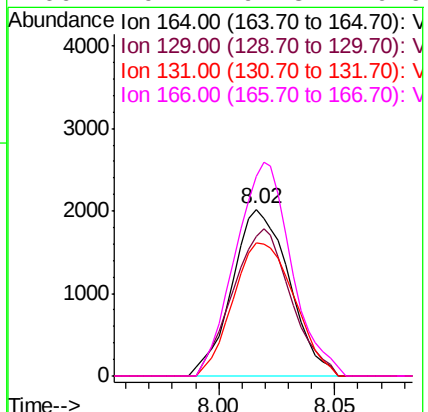
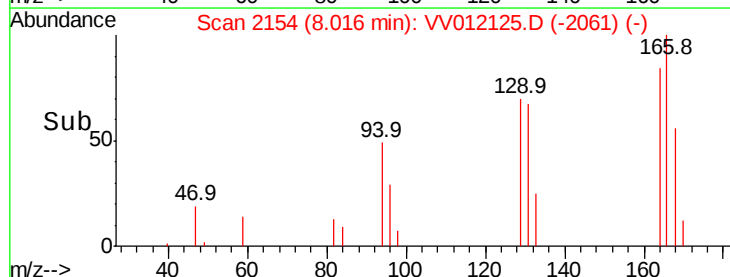
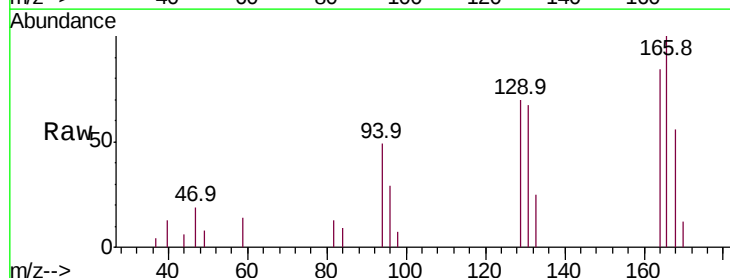
Ion Ratio Lower Upper

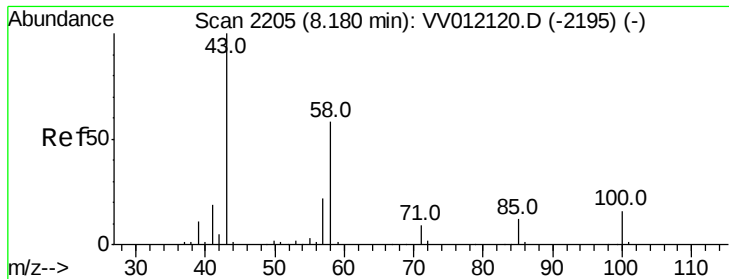
164 100

129 83.6 64.3 119.5

131 79.4 60.1 111.7

166 119.2 91.8 170.6





#48

2-Hexanone

Concen: 5.863 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV012125.D

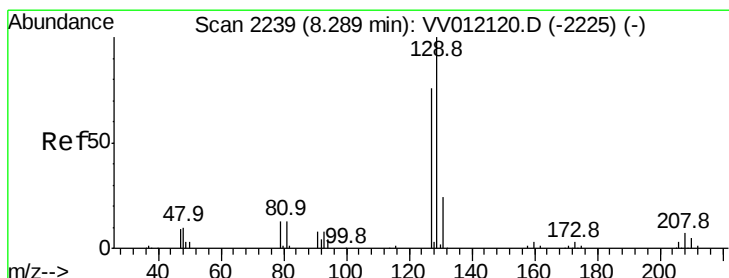
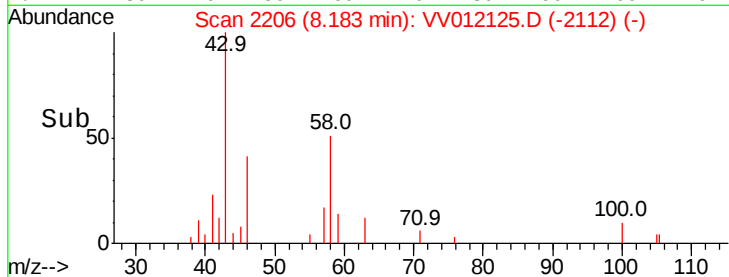
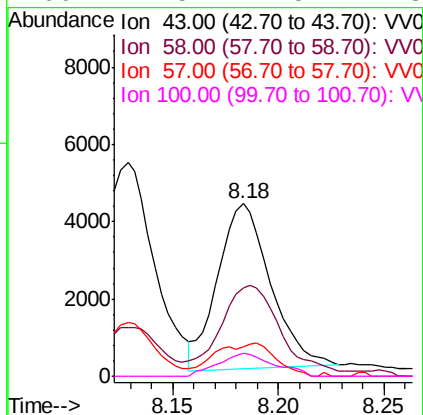
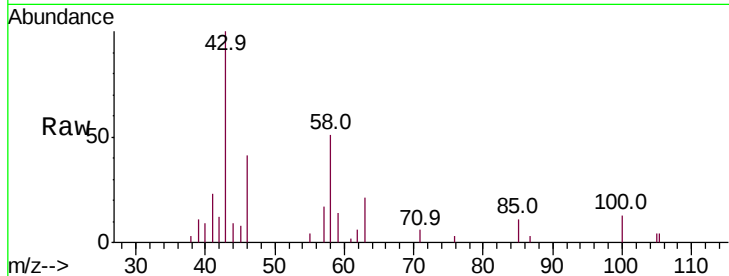
Acq: 07 Aug 2019 14:09

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion:	43	Resp:	7478
Ion	Ratio	Lower	Upper
43	100		
58	57.7	45.6	68.4
57	13.1	17.0	25.6
100	14.5	11.5	17.3

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#49

Dibromochloromethane

Concen: 2.490 ug/L

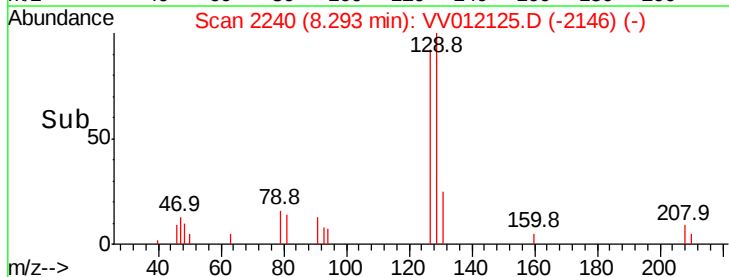
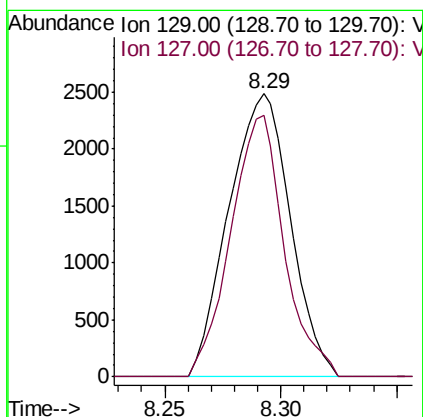
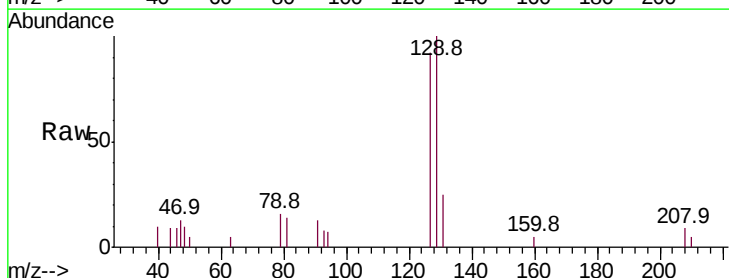
RT: 8.29 min Scan# 2240

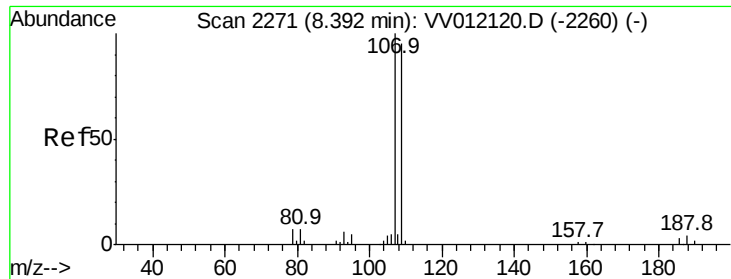
Delta R.T. 0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Tgt Ion:	129	Resp:	4579
Ion	Ratio	Lower	Upper
129	100		
127	92.4	53.8	100.0





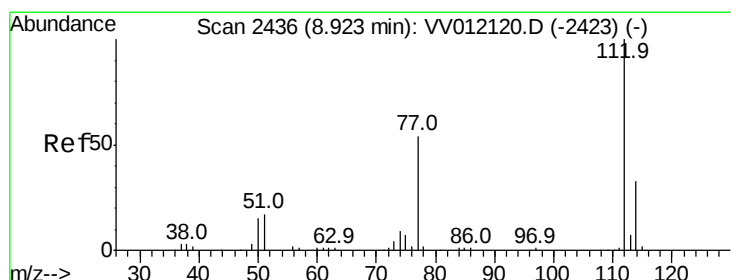
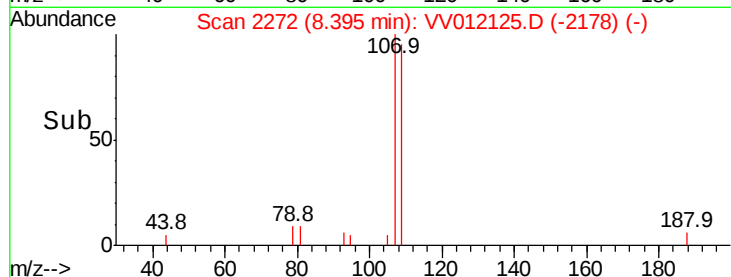
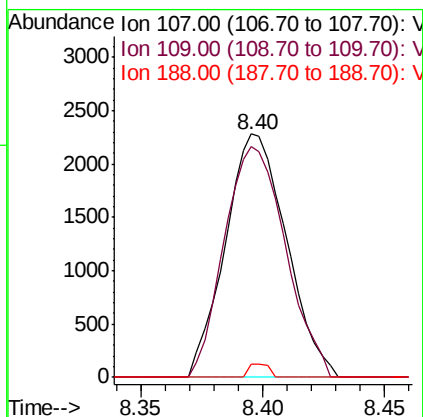
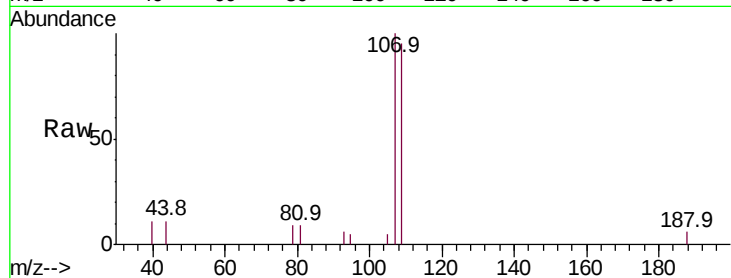
#50
1,2-Dibromoethane
Concen: 2.532 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012125.D
Acq: 07 Aug 2019 14:09

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion	Ratio	Resp	Lower	Upper
107	100	3967		
109	94.9	67.0	124.4	
188	5.6	3.9	5.9	

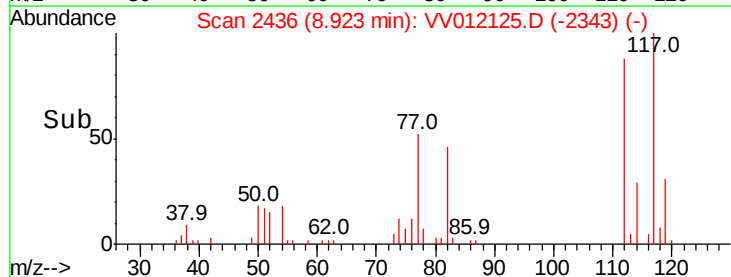
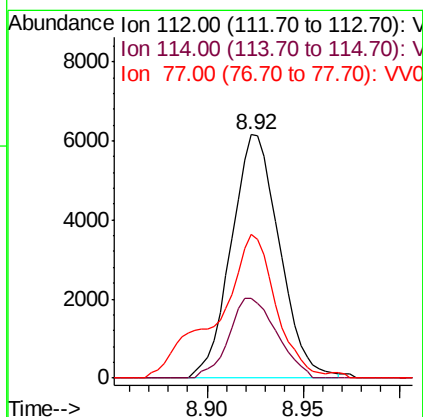
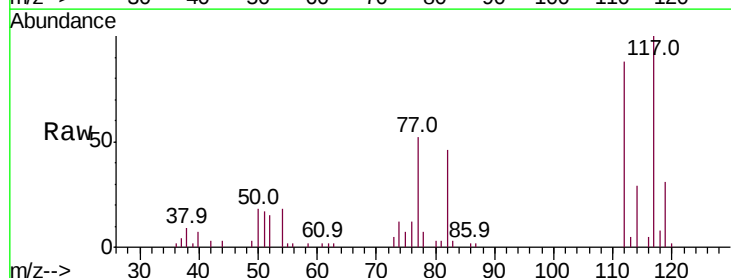
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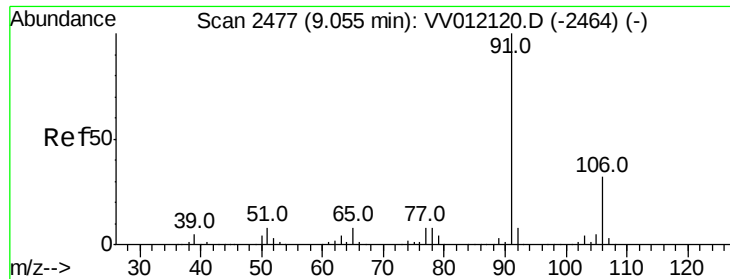
MMDadoda
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#51
Chlorobenzene
Concen: 2.645 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012125.D
Acq: 07 Aug 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	10676		
114	32.6	22.8	42.4	
77	59.1	44.7	67.1	





#52

Ethylbenzene

Concen: 2.515 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 91 Resp: 16900

Ion Ratio Lower Upper

91 100

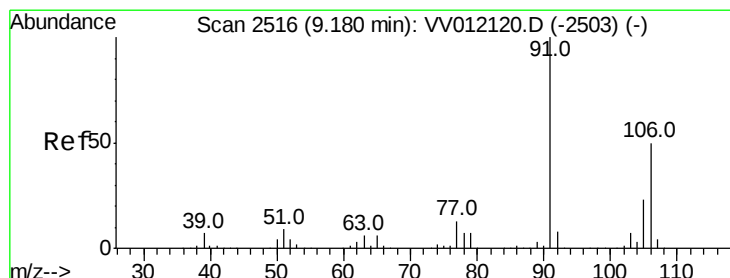
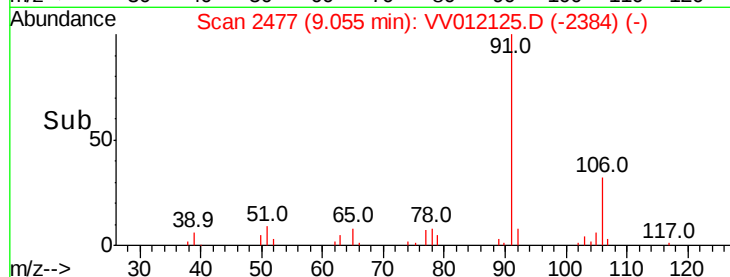
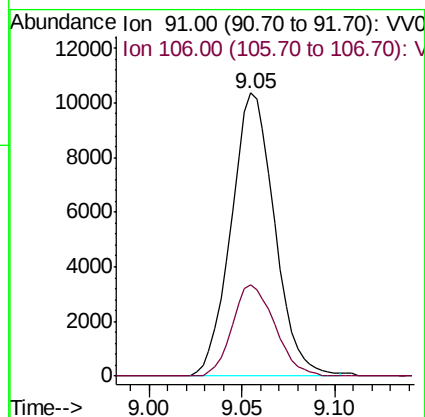
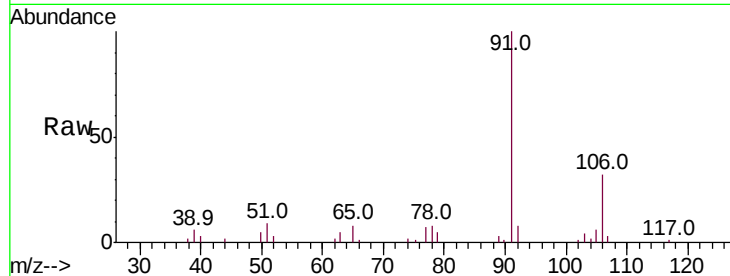
106 32.4 22.3 41.5

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#53

m,p-Xylene

Concen: 2.542 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012125.D

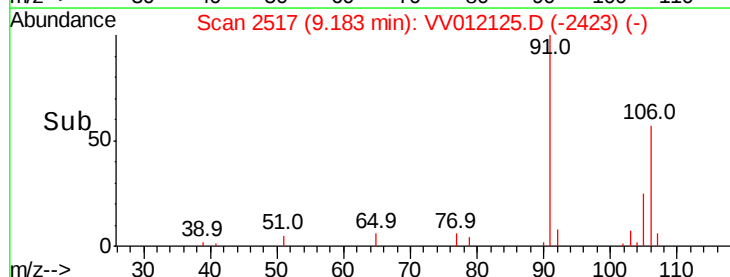
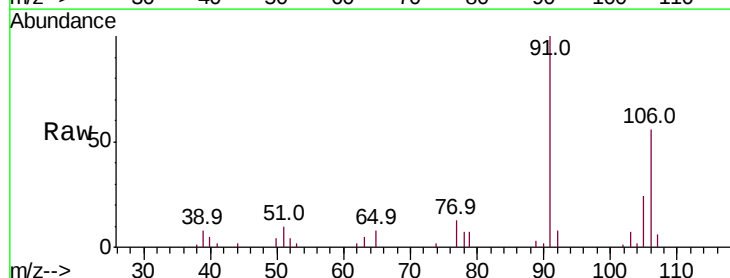
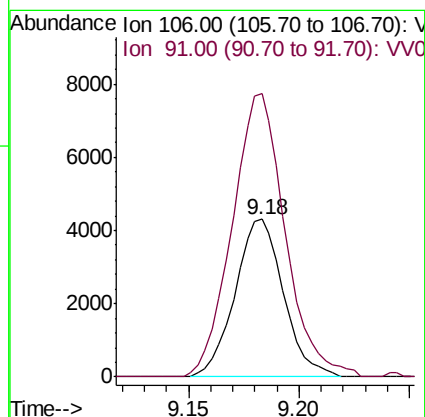
Acq: 07 Aug 2019 14:09

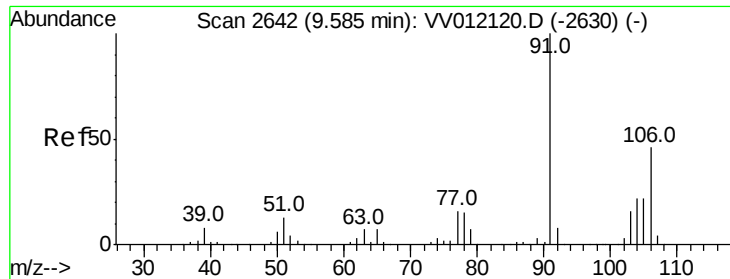
Tgt Ion: 106 Resp: 6588

Ion Ratio Lower Upper

106 100

91 179.4 146.7 272.5





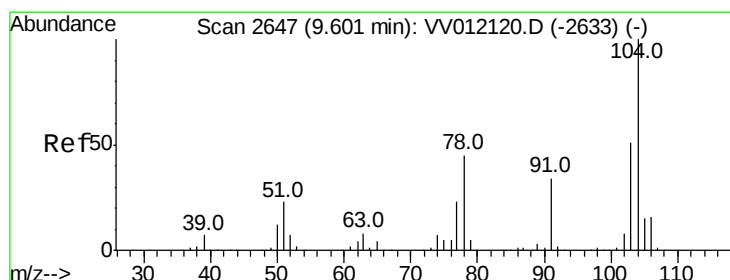
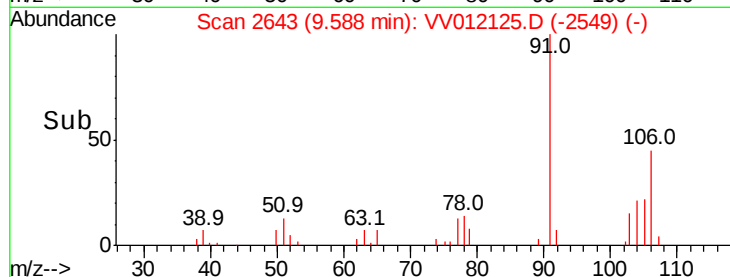
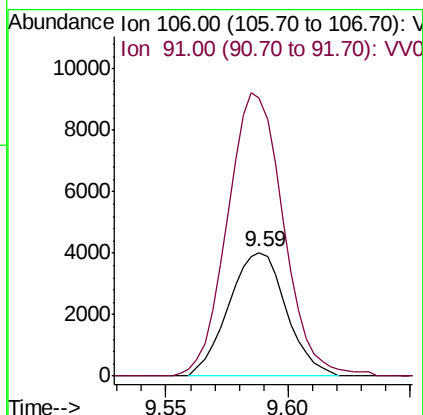
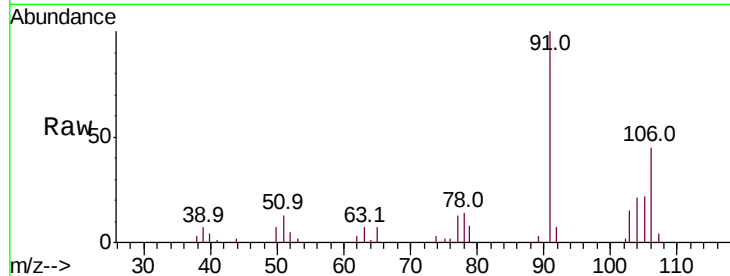
#54
o-Xylene
Concen: 2.570 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV012125.D
Acq: 07 Aug 2019 14:09

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion:106 Resp: 6609
Ion Ratio Lower Upper
106 100
91 224.7 150.4 279.2

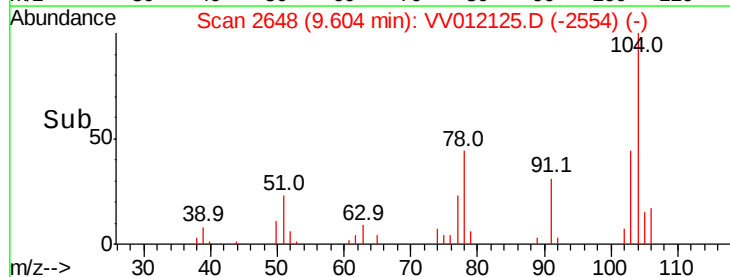
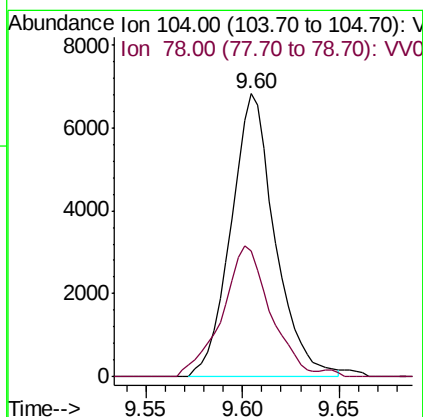
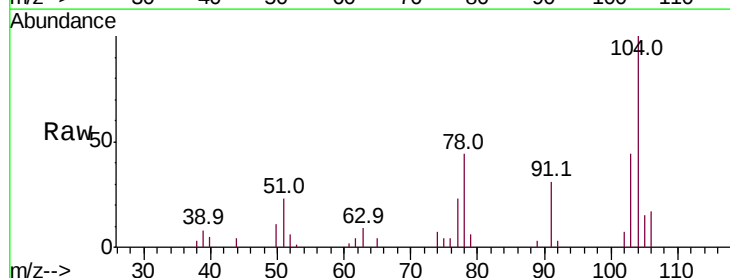
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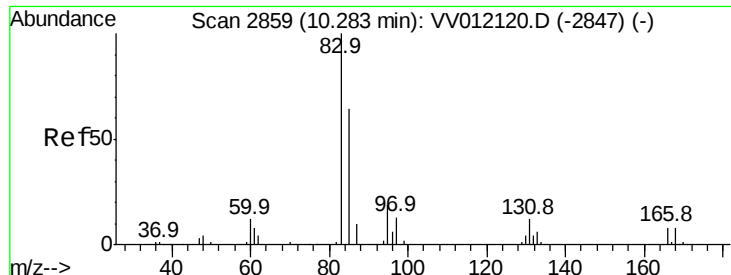
MMDadoda
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#55
Styrene
Concen: 2.493 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012125.D
Acq: 07 Aug 2019 14:09

Tgt Ion:104 Resp: 10800
Ion Ratio Lower Upper
104 100
78 44.3 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 3.259 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Instrument :

MSVOA_V

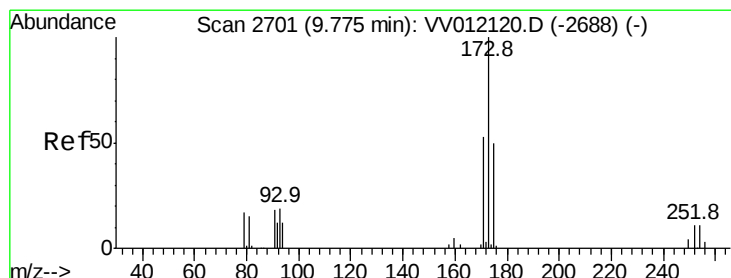
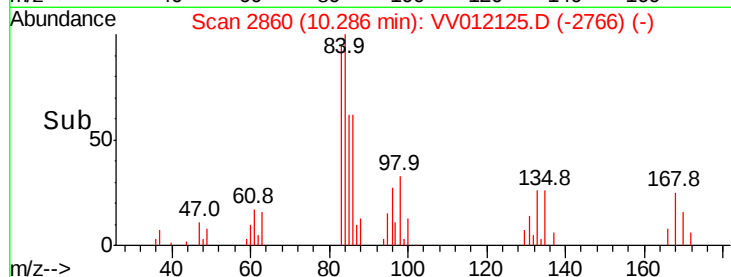
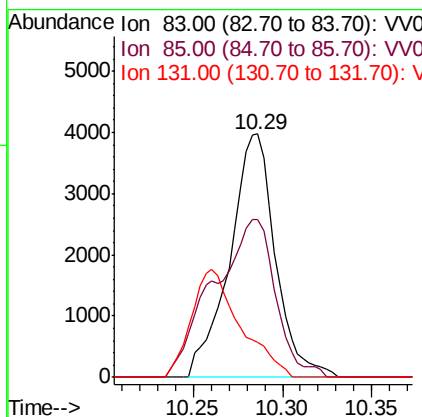
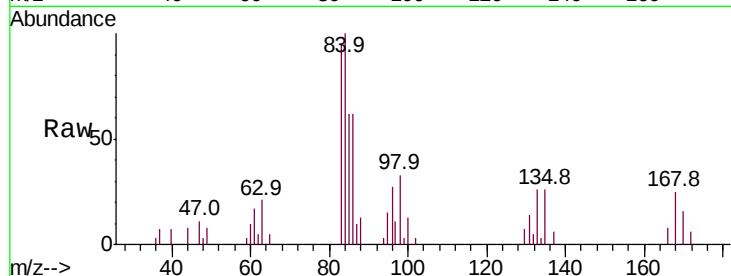
ClientSampled :

MDL05

Tot Ion:	83	Resp:	7100
Ion	Ratio	Lower	Upper
83	100		
85	64.8	44.6	82.8
131	14.4	9.3	13.9#

Manual Integrations
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#59

Bromoform

Concen: 2.913 ug/L

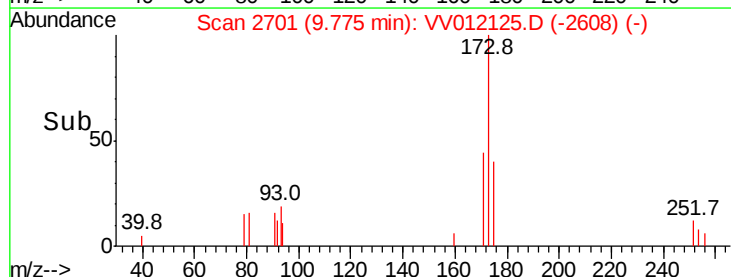
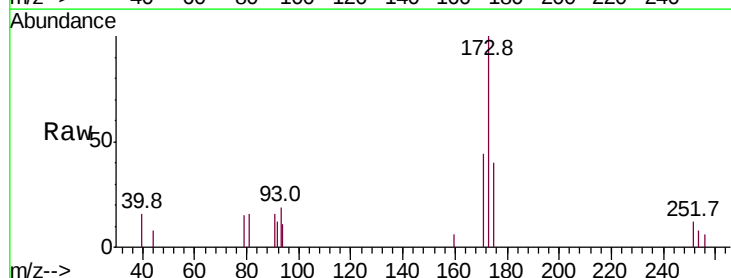
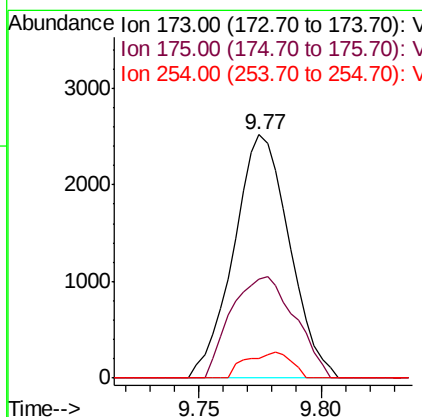
RT: 9.77 min Scan# 2701

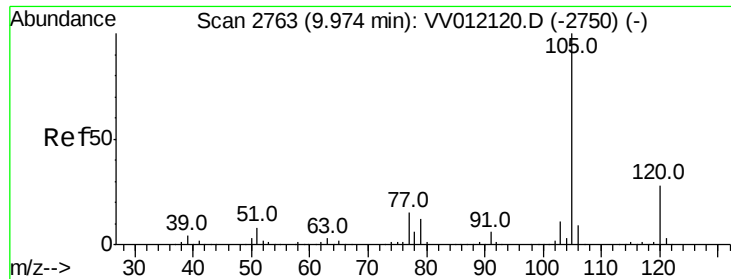
Delta R.T. -0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Tgt Ion:	173	Resp:	3989
Ion	Ratio	Lower	Upper
173	100		
175	47.8	38.3	57.5
254	6.1	8.9	13.3#





#60

Isopropylbenzene

Concen: 2.678 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Instrument :

MSVOA_V

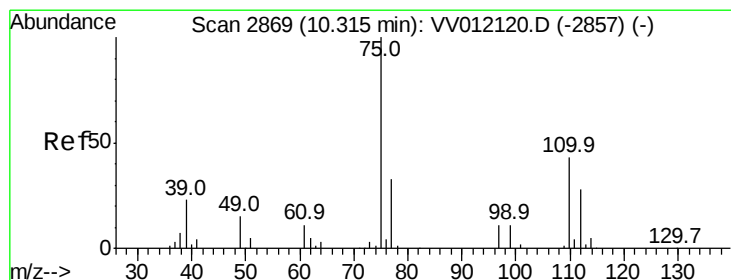
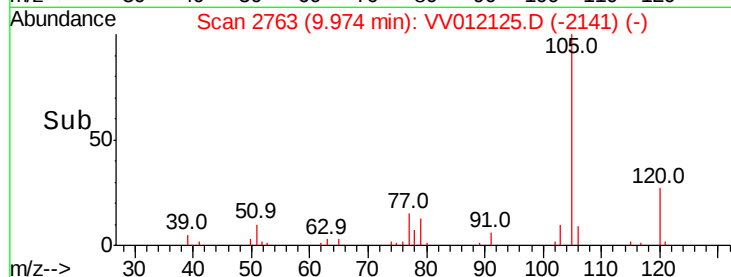
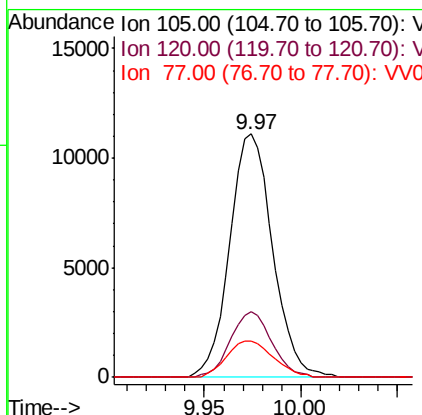
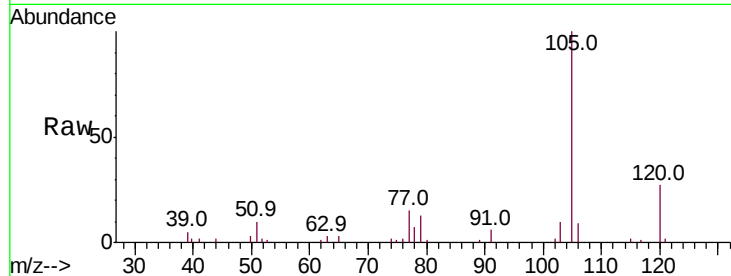
ClientSampleId :

MDL05

Tot Ion:	105	Resp:	17117
Ion Ratio	Lower	Upper	
105	100		
120	26.0	21.4	32.0
77	16.1	11.6	17.4

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#61

1,2,3-Trichloropropane

Concen: 3.280 ug/L

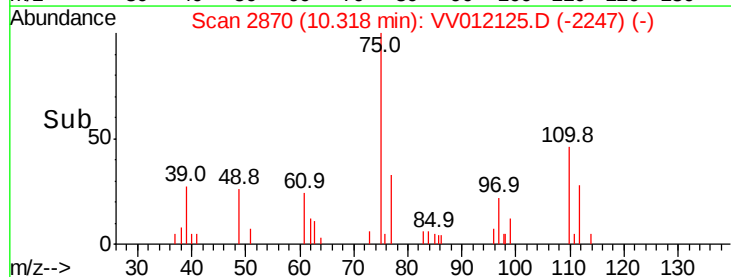
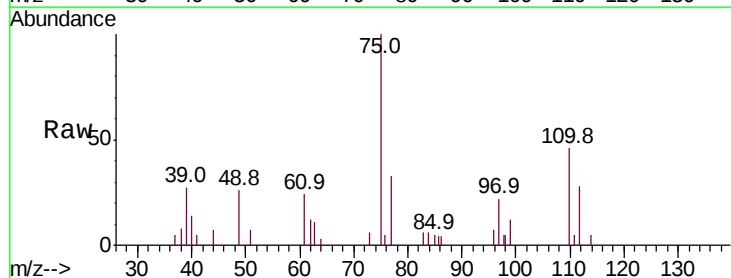
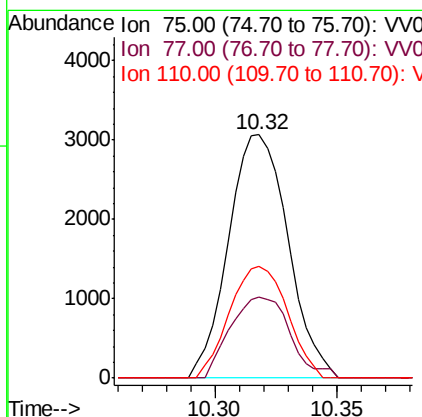
RT: 10.32 min Scan# 2870

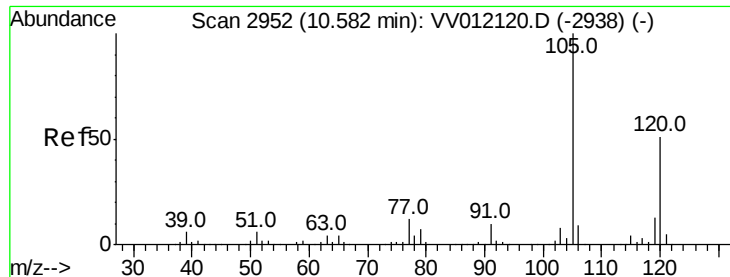
Delta R.T. 0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Tgt Ion:	75	Resp:	5200
Ion Ratio	Lower	Upper	
75	100		
77	32.4	25.7	38.5
110	44.4	34.2	51.4





#62

1,3,5-Trimethylbenzene

Concen: 2.642 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. -0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion:105 Resp: 14597

Ion Ratio Lower Upper

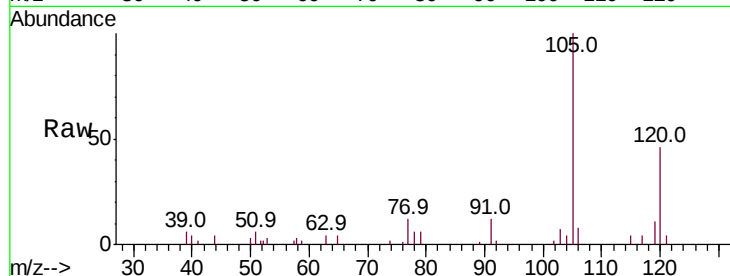
105 100

120 48.7 39.2 58.8

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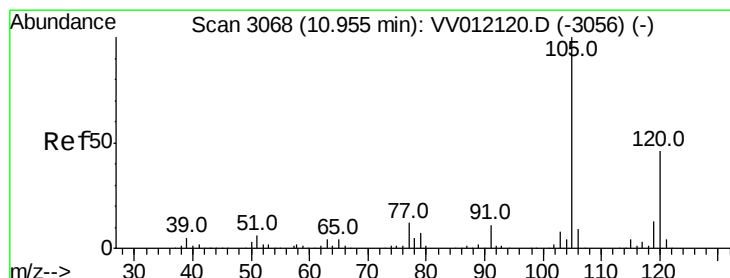
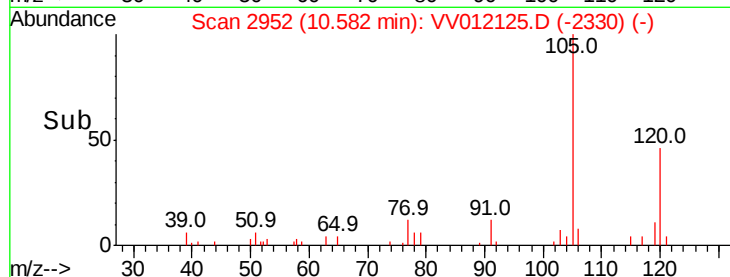
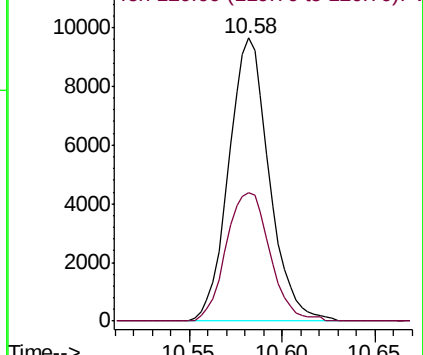
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 2.515 ug/L

RT: 10.96 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VV012125.D

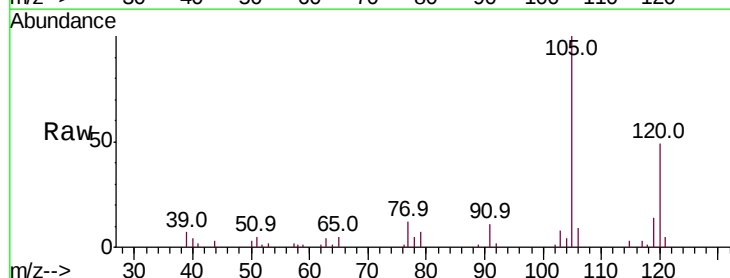
Acq: 07 Aug 2019 14:09

Tgt Ion:105 Resp: 13716

Ion Ratio Lower Upper

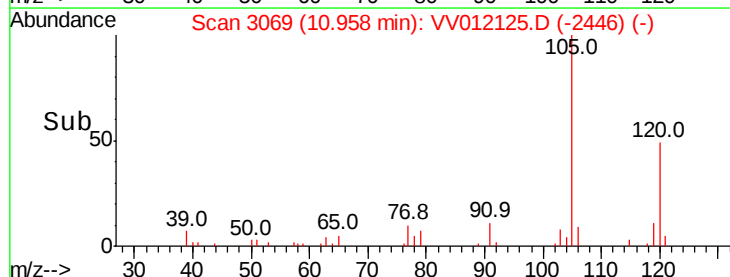
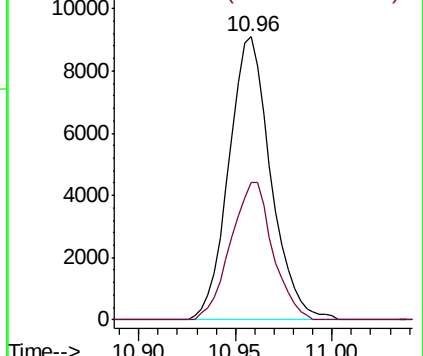
105 100

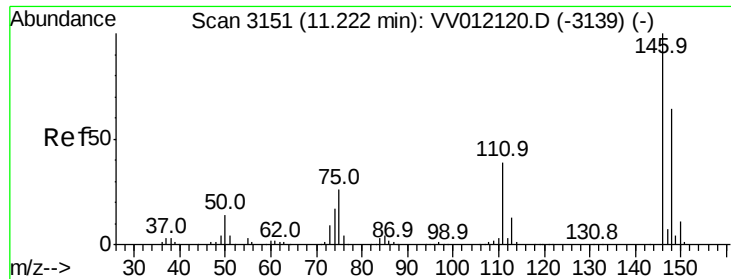
120 48.7 36.7 55.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 2.747 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Instrument :

MSVOA_V

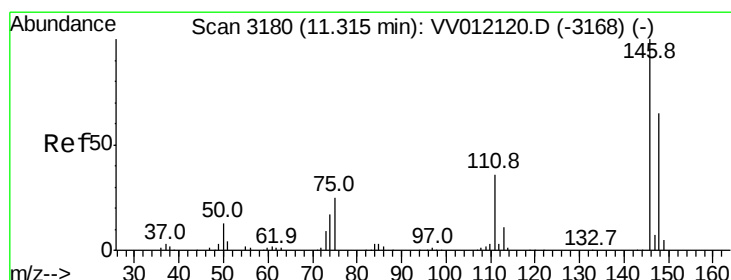
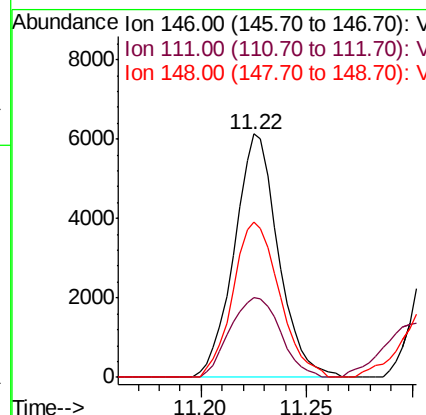
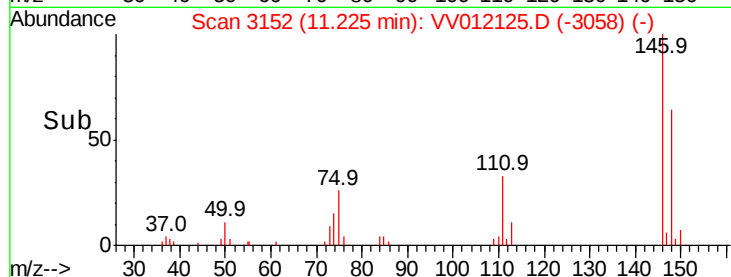
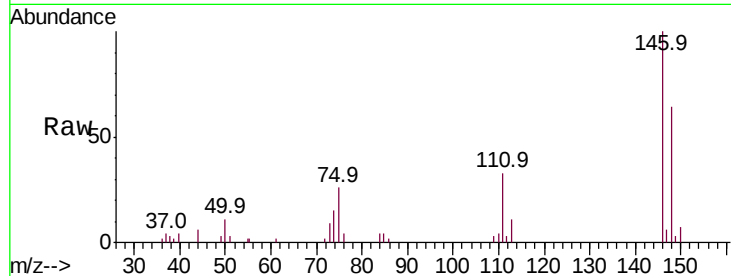
ClientSampleId :

MDL05

Tot Ion:	146	Resp:	8857
Ion Ratio	Lower	Upper	
146	100		
111	32.9	26.8	49.8
148	63.7	44.6	82.8

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#65

1,4-Dichlorobenzene

Concen: 2.749 ug/L

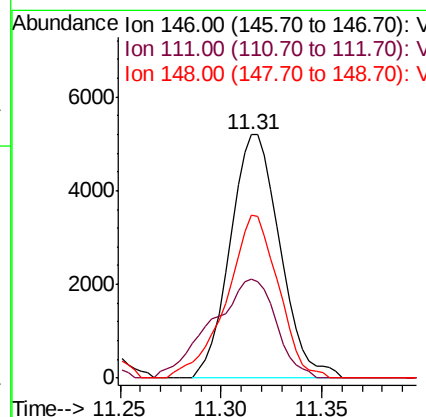
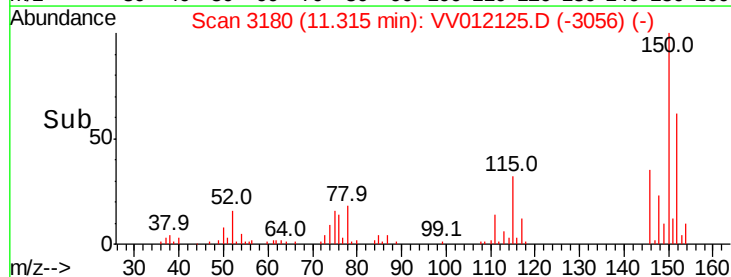
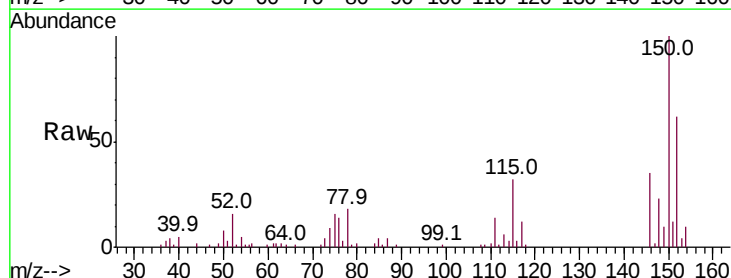
RT: 11.31 min Scan# 3180

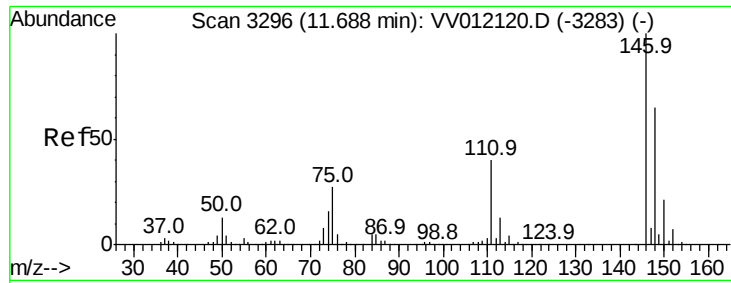
Delta R.T. -0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Tgt Ion:	146	Resp:	8959
Ion Ratio	Lower	Upper	
146	100		
111	40.6	25.8	47.8
148	67.0	45.2	84.0





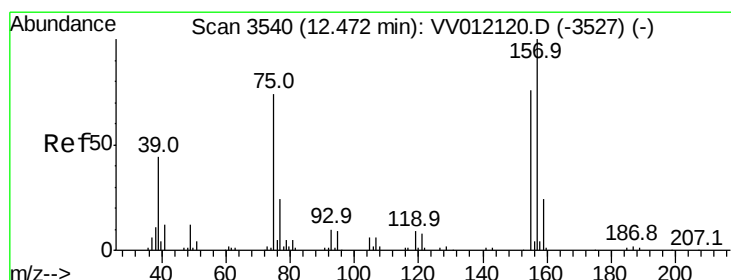
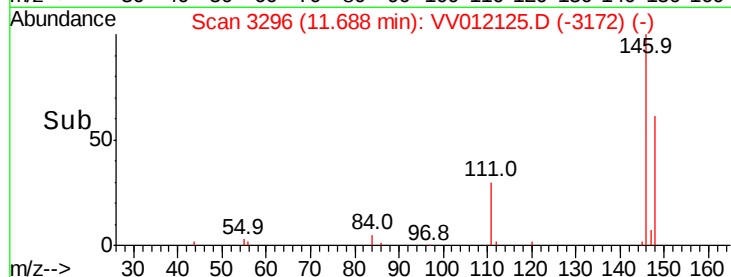
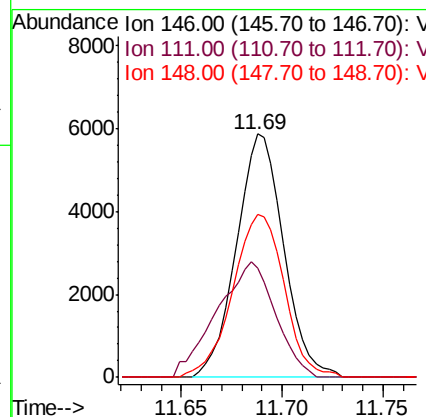
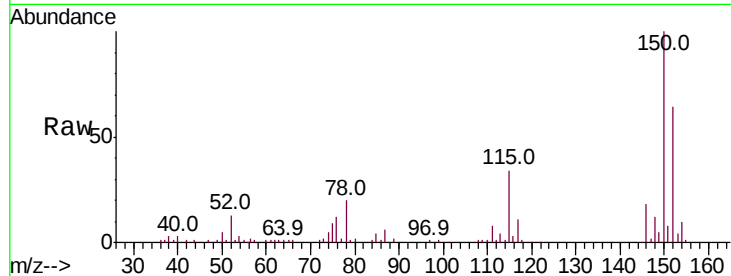
#67
 1,2-Dichlorobenzene
 Concen: 2.921 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012125.D
 Acq: 07 Aug 2019 14:09

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	32.2	48.2
148	67.1	53.2	79.8

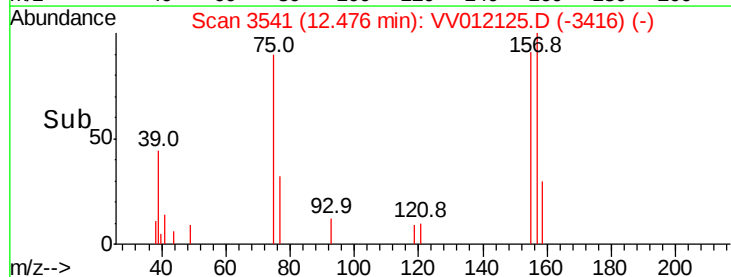
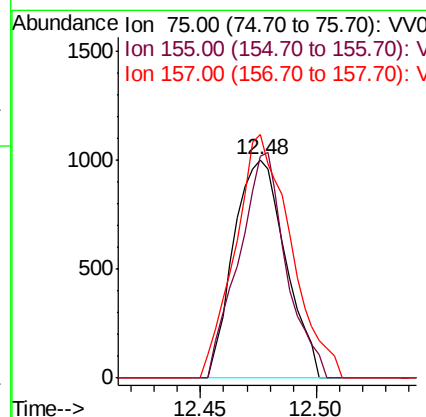
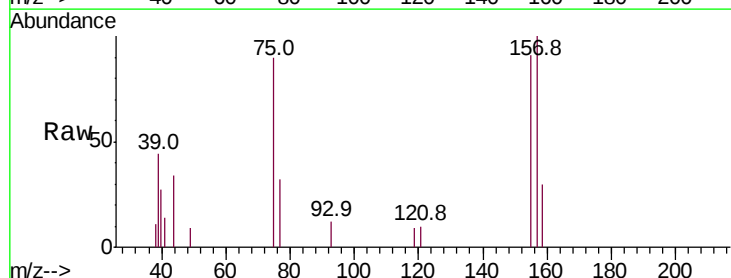
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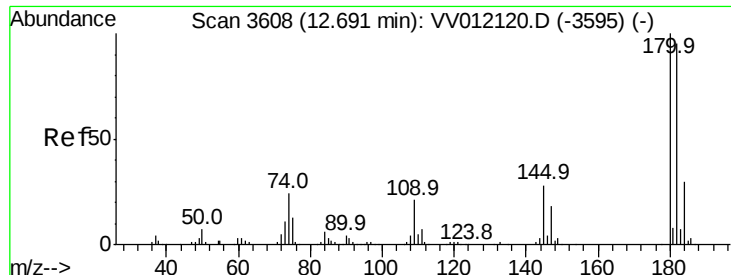
MMDadoda
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.984 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012125.D
 Acq: 07 Aug 2019 14:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.5	81.2	121.8
157	111.7	102.3	153.5





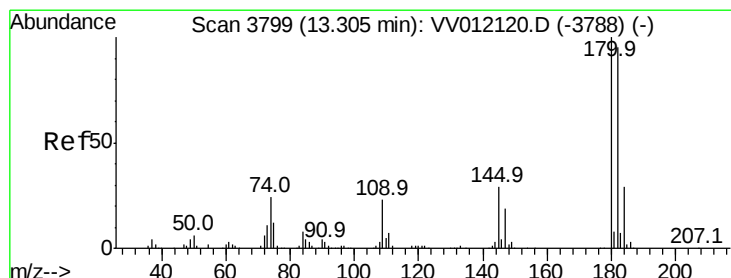
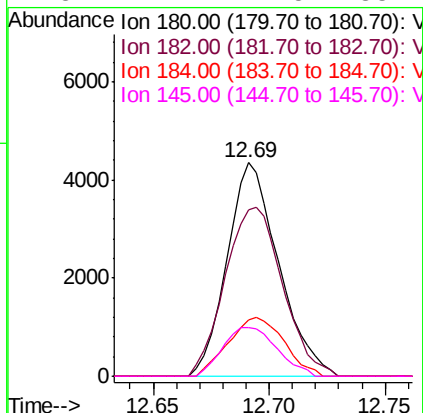
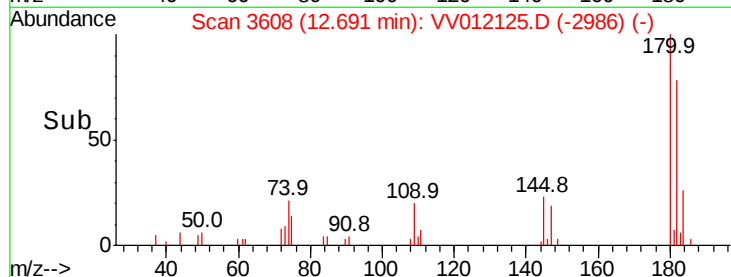
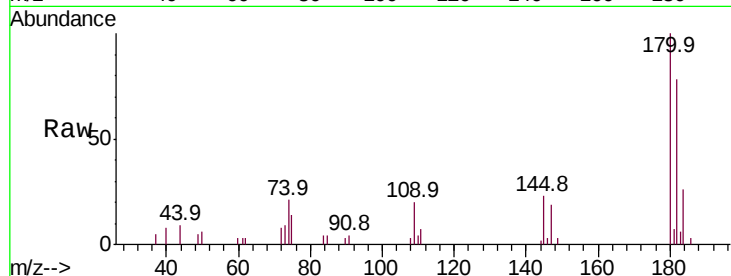
#69
 1,3,5-Trichlorobenzene
 Concen: 2.560 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012125.D
 Acq: 07 Aug 2019 14:09

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion:	180	Resp:	6691
Ion	Ratio	Lower	Upper
180	100		
182	88.4	76.5	114.7
184	29.8	24.6	36.8
145	24.1	22.5	33.7

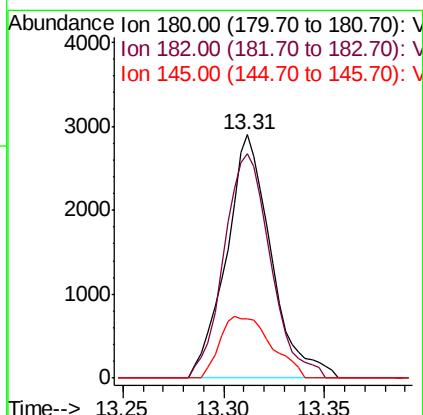
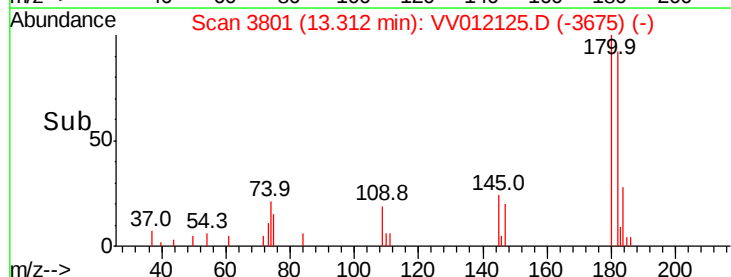
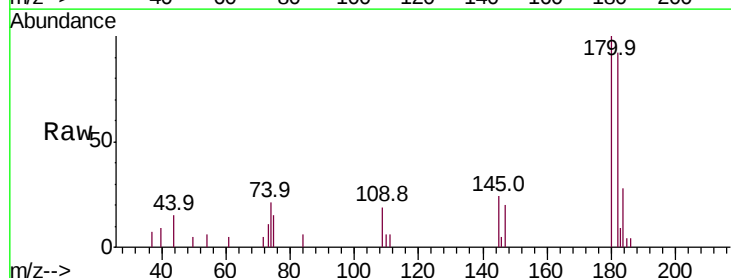
Manual Integrations
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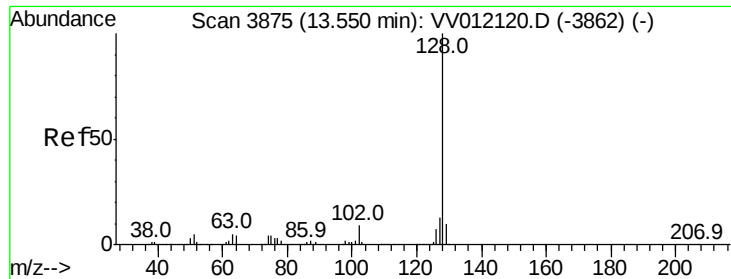
MMDadoda
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#70
 1,2,4-trichlorobenzene
 Concen: 1.987 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.01 min
 Lab File: VV012125.D
 Acq: 07 Aug 2019 14:09

Tgt Ion:	180	Resp:	4504
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
145	28.8	23.3	34.9





#71

Naphthalene

Concen: 1.510 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Instrument :

MSVOA_V

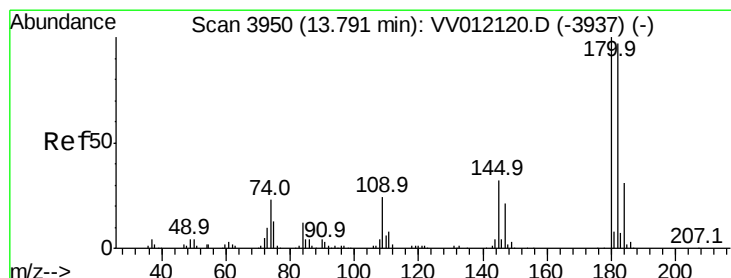
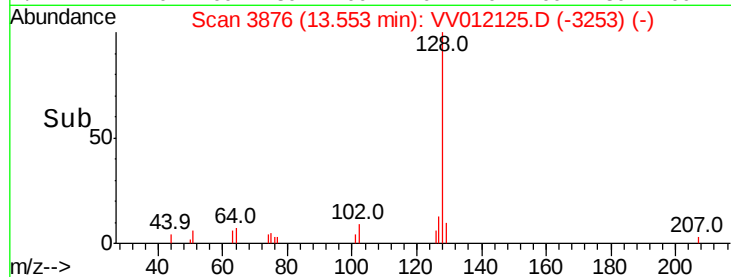
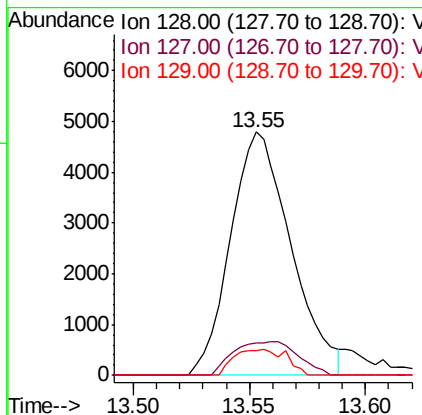
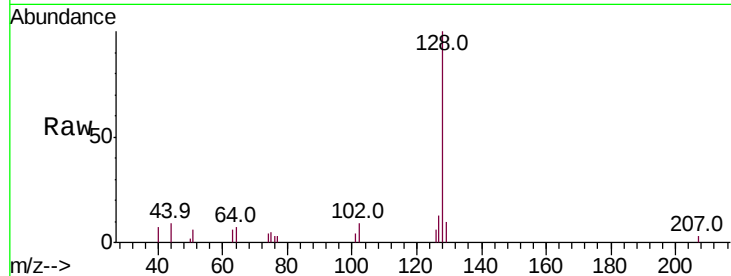
ClientSampleId :

MDL05

Tot Ion:	128	Resp:	8672
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	7.4	8.6	12.8#

Manual Integrations
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#72

1,2,3-Trichlorobenzene

Concen: 2.079 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012125.D

Acq: 07 Aug 2019 14:09

Tgt Ion:	180	Resp:	4743
Ion	Ratio	Lower	Upper
180	100		
182	88.1	77.2	115.8
145	27.3	24.6	36.8

