

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017606.D
 Acq On : 23 Jul 2020 16:15
 Operator : SY/MD
 Sample : MDL01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

sam
 7/24/2020 7:04:35 PM

Quant Time: Jul 24 11:53:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 24 01:49:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	190316	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	185477	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	93271	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	43005	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.58	69	34344	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.12	63	70056	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	3.95	46	99458	45.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.50%
24) Chloroform-d	4.37	84	104418	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.06	65	56644	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.07	84	195960	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.09	67	53652	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.33	98	180817	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
45) trans-1,3-Dichloropropene-	7.64	79	23539	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
48) 2-Hexanone-d5	8.11	63	71787	44.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.94%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	37502	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	71060	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	5101	0.245	ug/L	91
3) Chloromethane	1.25	50	3593	0.265	ug/L	98
5) Vinyl chloride	1.32	62	3797m	0.279	ug/L	
6) Bromomethane	1.53	94	2447	0.280	ug/L	91
8) Chloroethane	1.59	64	2466	0.314	ug/L	99
9) Trichlorofluoromethane	1.76	101	6354	0.261	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3738	0.329	ug/L	96
12) 1,1-Dichloroethene	2.13	96	3572	0.349	ug/L #	1
13) Acetone	2.22	43	5847m	3.436	ug/L	
14) Carbon disulfide	2.31	76	8800	0.282	ug/L #	86
16) Methylene chloride	2.52	84	5602	0.491	ug/L	90
17) Methyl tert-butyl Ether	2.79	73	7163	0.273	ug/L #	61
18) trans-1,2-Dichloroethene	2.78	96	3220	0.288	ug/L	82
19) 1,1-Dichloroethane	3.20	63	6747	0.287	ug/L	94
21) 2-Butanone	4.05	43	7645m	2.660	ug/L	
22) cis-1,2-Dichloroethene	3.93	96	3608	0.257	ug/L	99
23) Bromochloromethane	4.27	128	1744	0.269	ug/L #	90

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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 24 01:49:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	7307	0.277	ug/L	87
27) 1,2-Dichloroethane	5.16	62	4924	0.288	ug/L #	92
29) 1,1,1-Trichloroethane	4.62	97	6216	0.240	ug/L #	74
30) Cyclohexane	4.69	56	5084	0.247	ug/L	98
31) Carbon tetrachloride	4.85	117	5558	0.241	ug/L	96
33) Benzene	5.13	78	12759	0.243	ug/L	100
34) Trichloroethene	5.94	95	4375	0.298	ug/L	79
35) Methylcyclohexane	6.15	83	5029	0.227	ug/L	98
37) 1,2-Dichloropropane	6.21	63	3450	0.280	ug/L #	94
38) Bromodichloromethane	6.54	83	4475	0.247	ug/L #	98
39) cis-1,3-Dichloropropene	7.05	75	5169	0.278	ug/L	96
40) 4-Methyl-2-pentanone	7.26	43	15238	2.252	ug/L #	87
42) Toluene	7.41	91	14892	0.260	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	10869	0.203	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	10897	0.199	ug/L	94
46) trans-1,3-Dichloropropene	7.68	75	3907m	0.234	ug/L	
47) 1,1,2-Trichloroethane	7.86	97	2290	0.245	ug/L	93
49) Tetrachloroethene	7.99	164	2964	0.229	ug/L	95
50) 2-Hexanone	8.17	43	16344	3.414	ug/L #	93
51) Dibromochloromethane	8.26	129	3040	0.255	ug/L	85
52) 1,2-Dibromoethane	8.38	107	2254	0.255	ug/L #	92
53) Chlorobenzene	8.91	112	9956	0.261	ug/L	95
54) Ethylbenzene	9.04	91	14495	0.226	ug/L	97
55) m,p-xylene	9.16	106	5076	0.210	ug/L	94
56) o-xylene	9.56	106	5343	0.228	ug/L	89
57) Styrene	9.59	104	8634	0.221	ug/L	98
58) Isopropylbenzene	9.95	105	13475	0.208	ug/L	97
60) 1,1,2,2-Tetrachloroethane	10.26	83	3032	0.297	ug/L #	99
62) Bromoform	9.76	173	1492	0.250	ug/L #	96
63) 1,3-Dichlorobenzene	11.21	146	8406	0.280	ug/L	90
64) 1,4-Dichlorobenzene	11.29	146	8291	0.275	ug/L	87
66) 1,2-Dichlorobenzene	11.67	146	8145	0.298	ug/L	93
67) 1,2-Dibromo-3-chloropropan	12.45	75	731	0.427	ug/L	91
68) 1,3,5-Trichlorobenzene	12.67	180	6371	0.261	ug/L	95
69) 1,2,4-trichlorobenzene	13.29	180	6136	0.301	ug/L	94
70) Naphthalene	13.53	128	6556	0.230	ug/L #	90
71) 1,2,3-Trichlorobenzene	13.77	180	4285	0.237	ug/L #	91

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

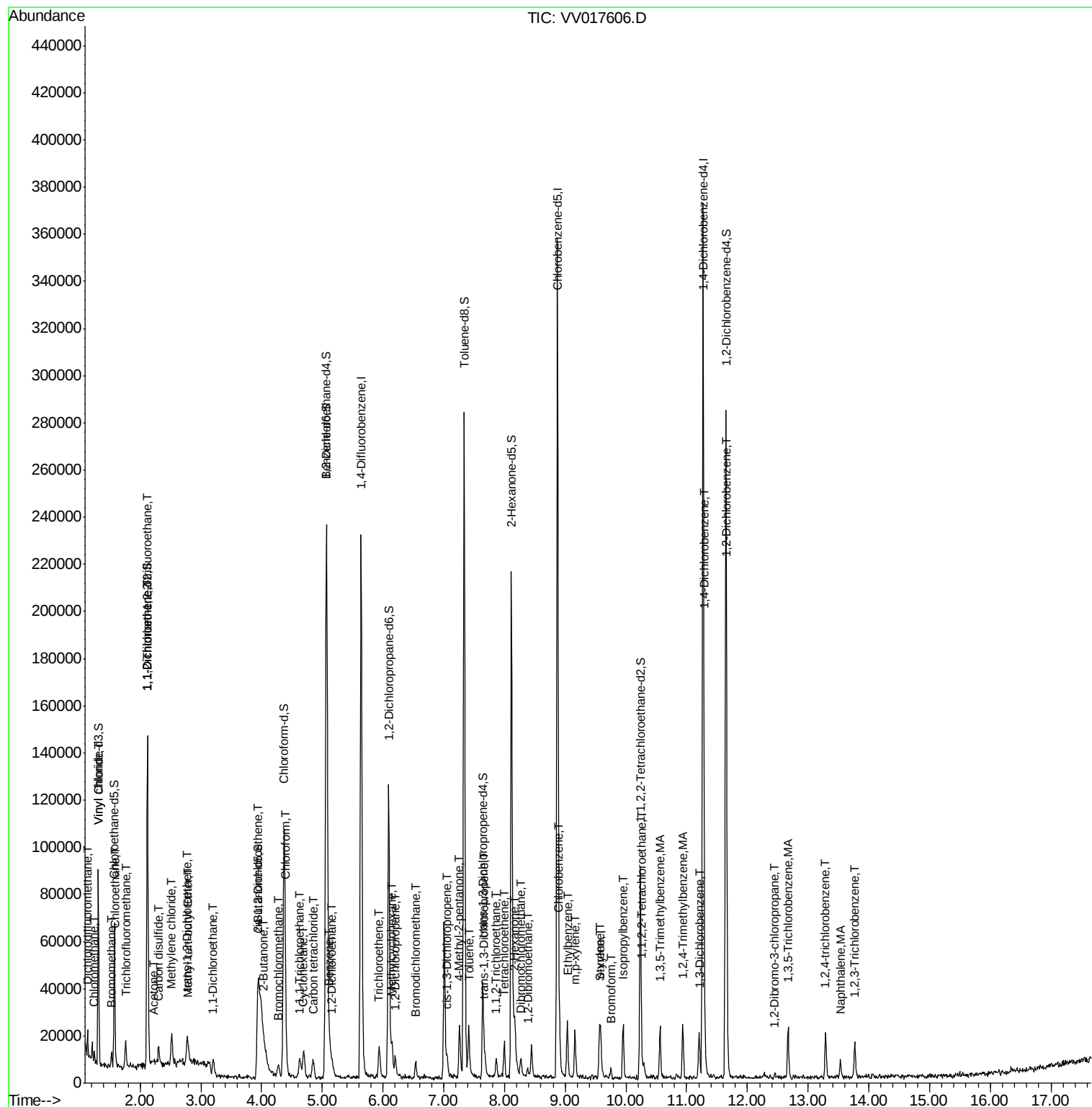
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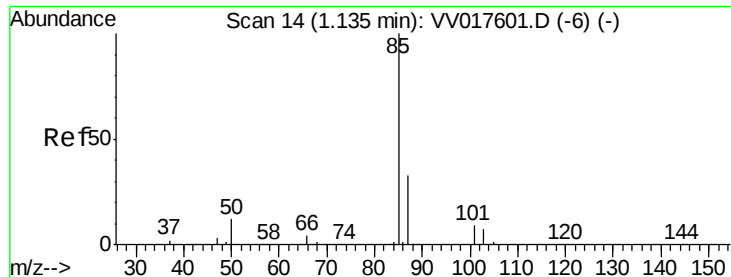
Instrument :
MSVOA_V
ClientSampleId :
MDL01

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.245 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 85 Resp: 5101

Ion Ratio Lower Upper

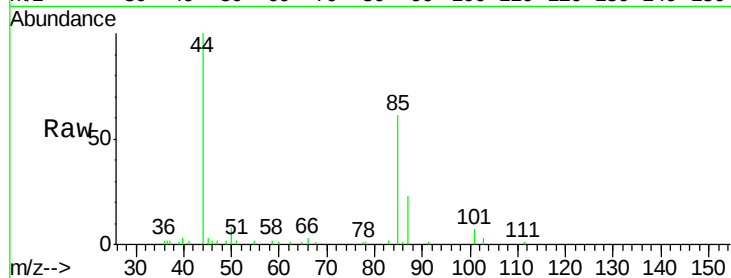
85 100

87 37.9 26.4 39.6

Manual Integrations
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Abundance Ion 85.00 (84.70 to 85.70): VV017606.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV017606.D (-6) (-)

1.14

6000

5000

4000

3000

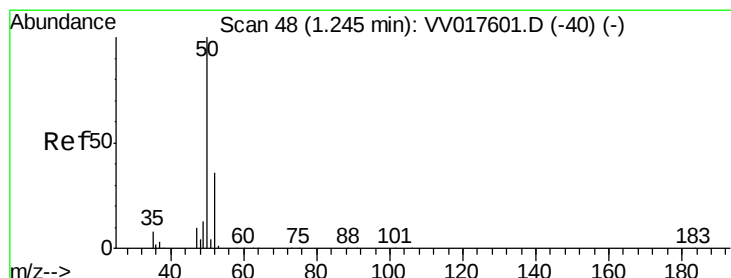
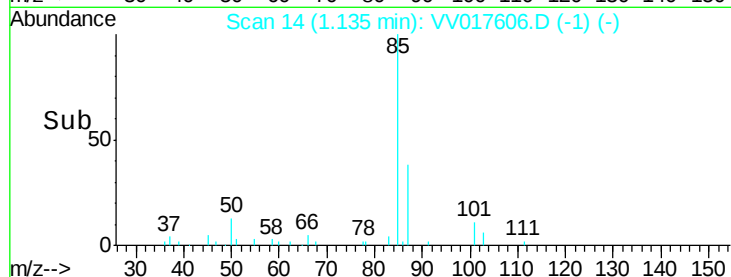
2000

1000

0

Time-->

1.10 1.12 1.14 1.16 1.18



#3

Chloromethane

Concen: 0.265 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017606.D

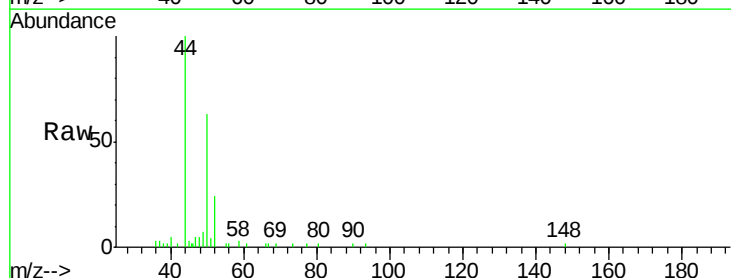
Acq: 23 Jul 2020 16:15

Tgt Ion: 50 Resp: 3593

Ion Ratio Lower Upper

50 100

52 37.2 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV017606.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV017606.D (-40) (-)

1.25

3000

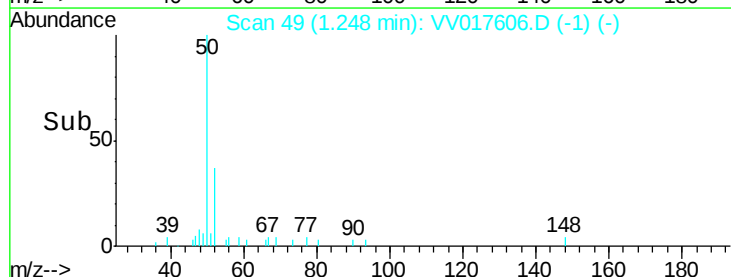
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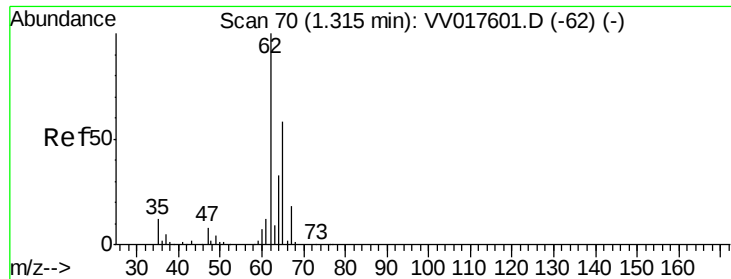
1000

0

Time-->

1.20 1.25





#5

Vinyl chloride

Concen: 0.279 ug/L m

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 62 Resp: 3797

Ion Ratio Lower Upper

62 100

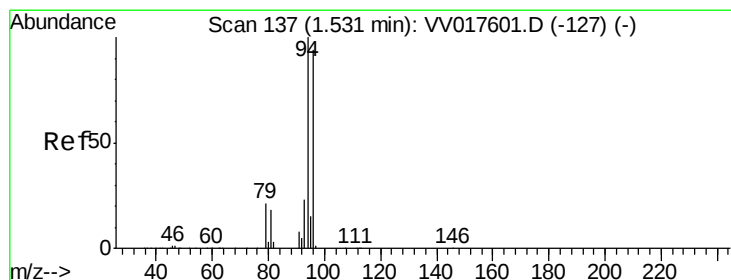
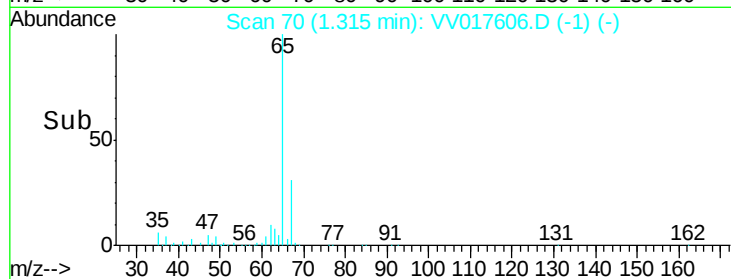
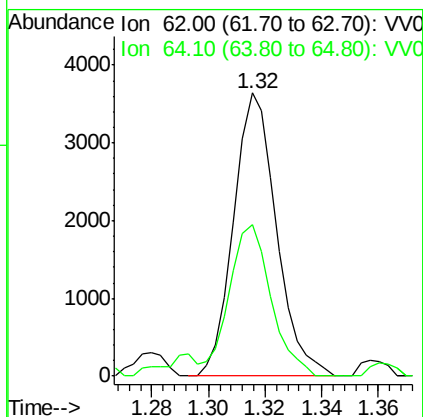
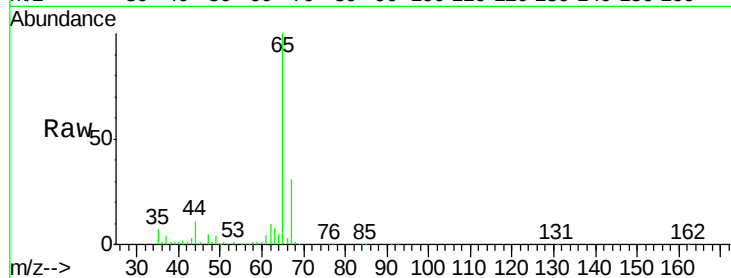
64 53.5 23.0 42.8#

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#6

Bromomethane

Concen: 0.280 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017606.D

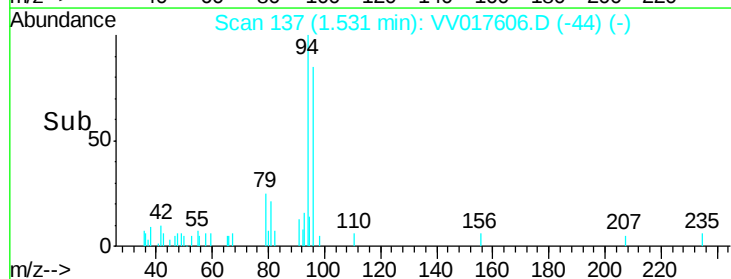
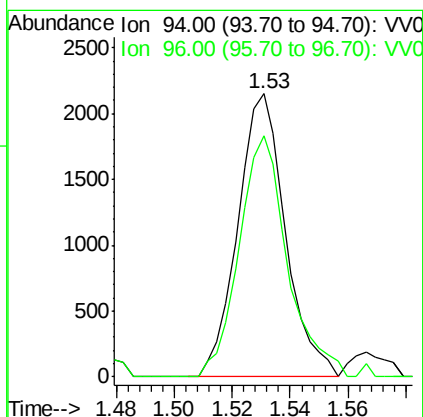
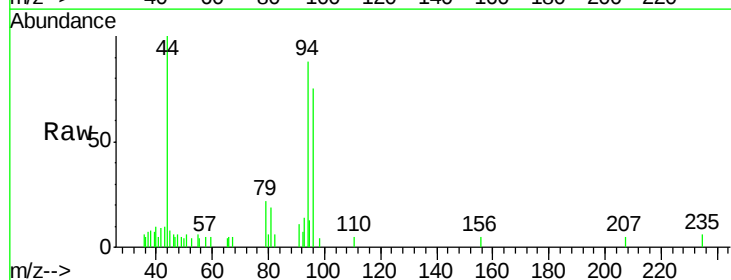
Acq: 23 Jul 2020 16:15

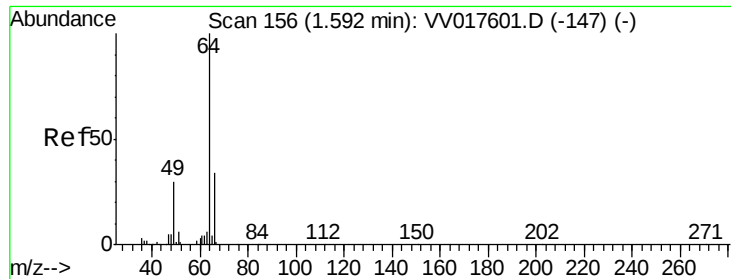
Tgt Ion: 94 Resp: 2447

Ion Ratio Lower Upper

94 100

96 85.0 65.9 122.5





#8

Chloroethane

Concen: 0.314 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 64 Resp: 2466

Ion Ratio Lower Upper

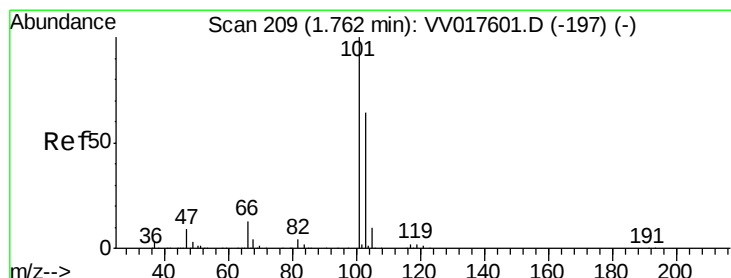
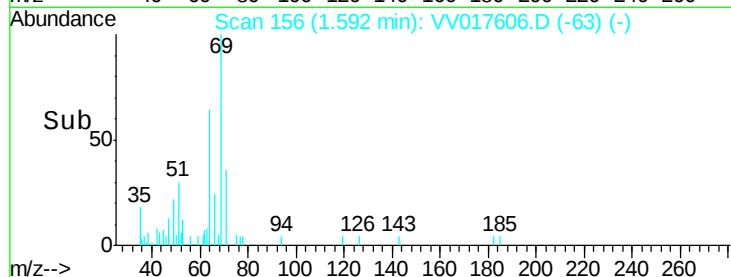
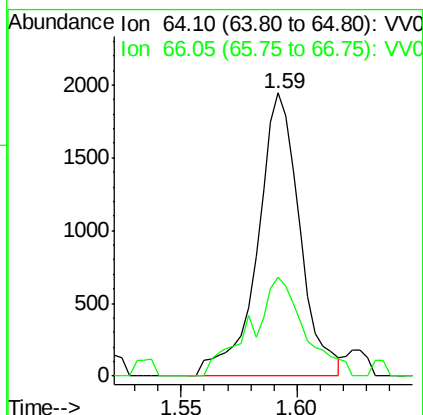
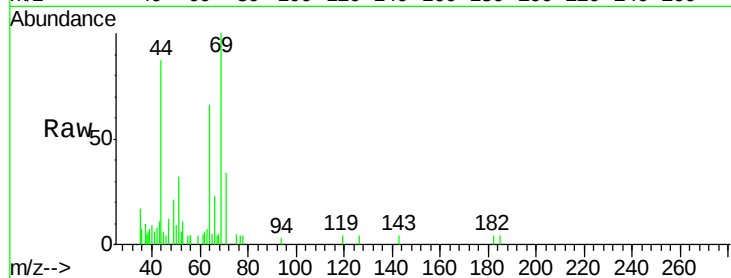
64 100

66 35.1 24.0 44.6

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#9

Trichlorofluoromethane

Concen: 0.261 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017606.D

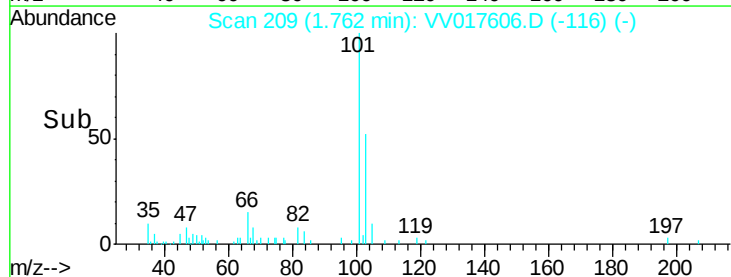
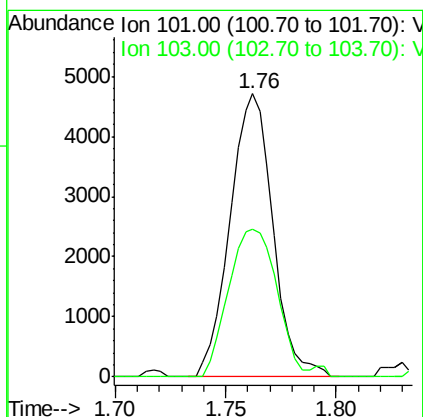
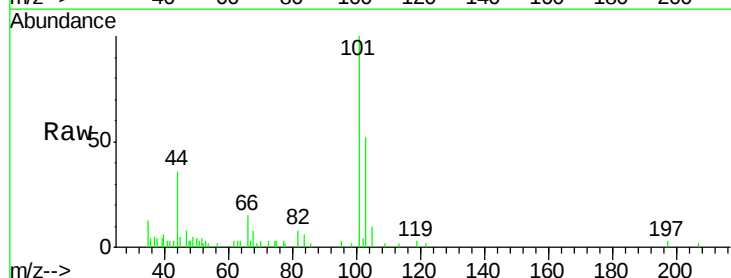
Acq: 23 Jul 2020 16:15

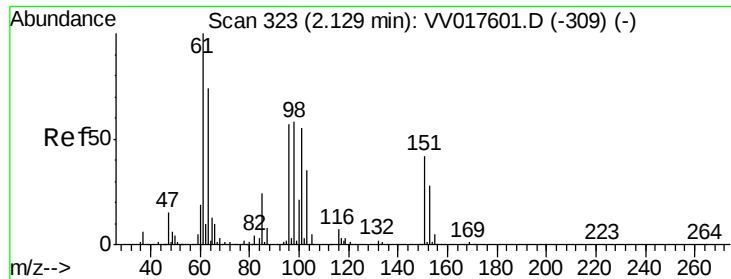
Tgt Ion: 101 Resp: 6354

Ion Ratio Lower Upper

101 100

103 59.1 51.7 77.5





#10

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

Concen: 0.329 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

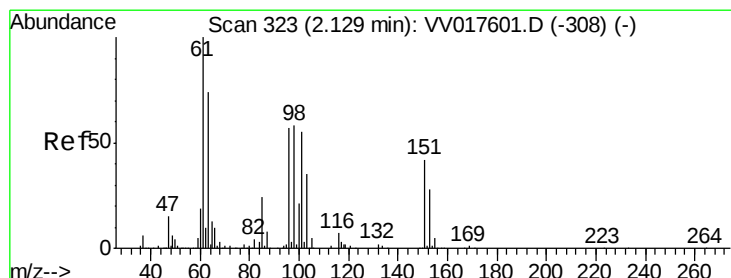
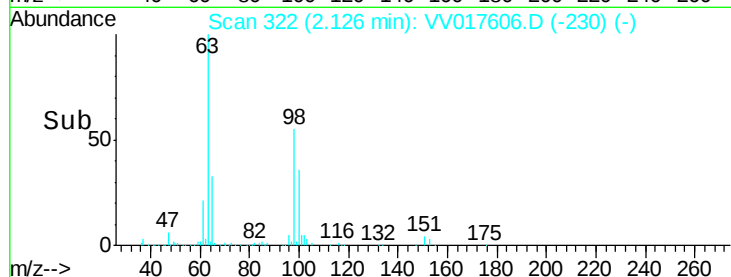
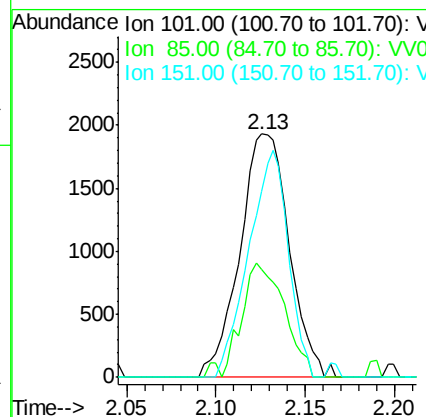
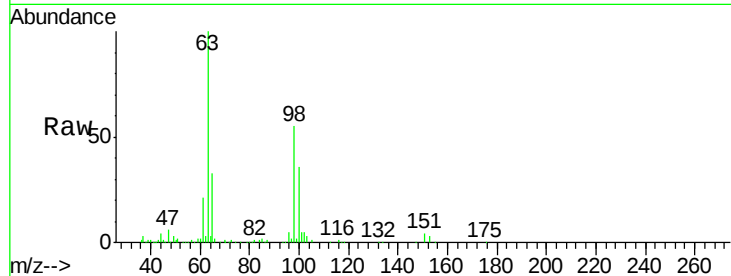
ClientSampled :

MDL01

Tot Ion:	101	Resp:	3738
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.6	51.8
151	74.9	63.5	95.3

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#12

1,1-Dichloroethene

Concen: 0.349 ug/L

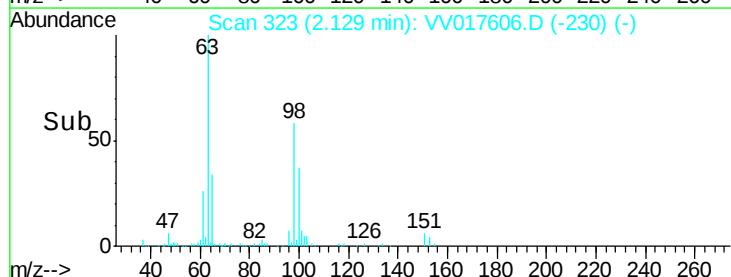
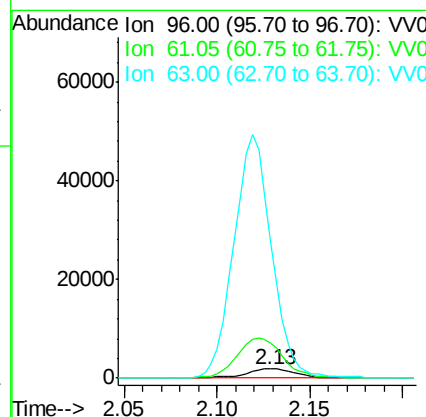
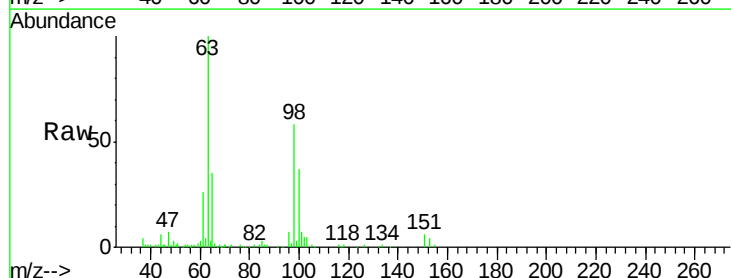
RT: 2.13 min Scan# 323

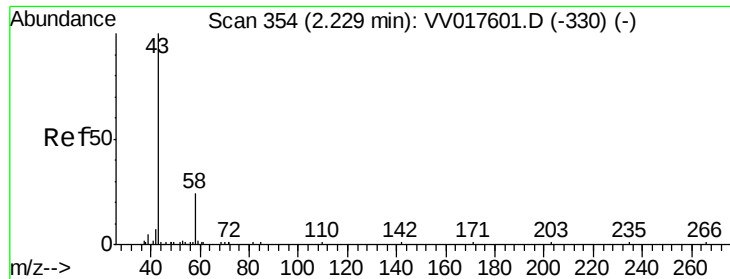
Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Tgt Ion:	96	Resp:	3572
Ion Ratio	Lower	Upper	
96	100		
61	383.0	123.1	228.7#
63	1459.1	91.2	169.4#





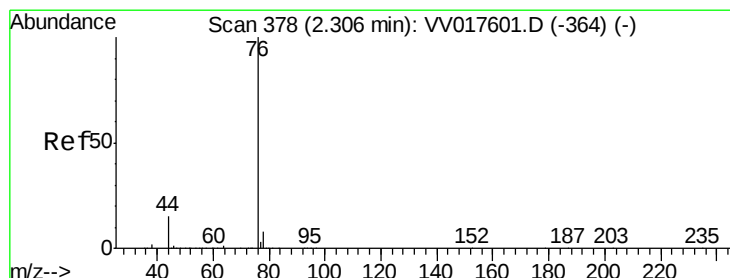
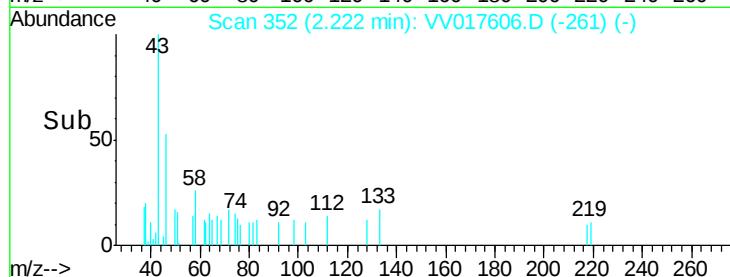
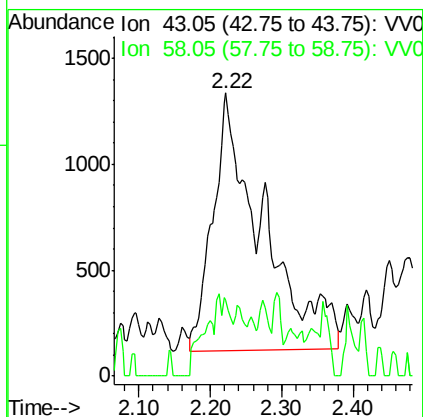
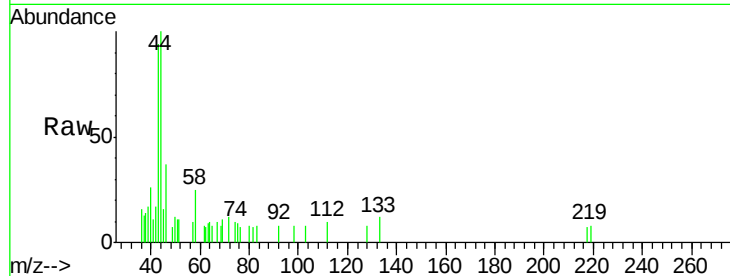
#13
Acetone
Concen: 3.436 ug/L m
RT: 2.22 min Scan# 352
Delta R.T. -0.01 min
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Acq: 23 Jul 2020 16:15

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion: 43 Resp: 5847
Ion Ratio Lower Upper
43 100
58 1.5 0.0 18.6

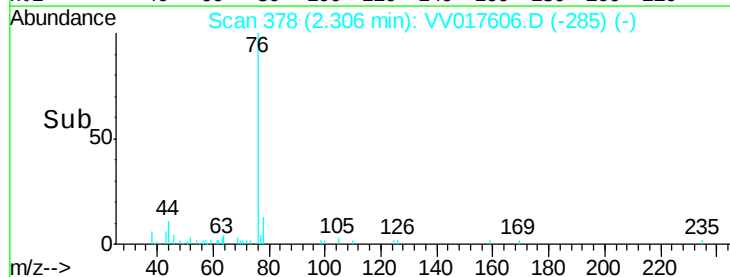
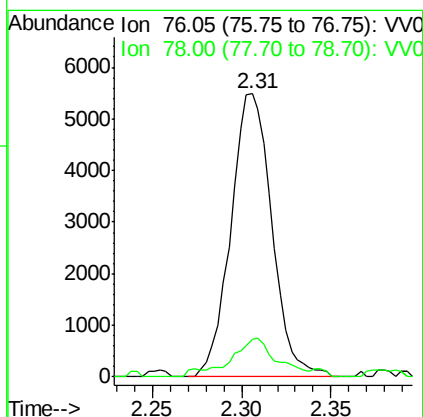
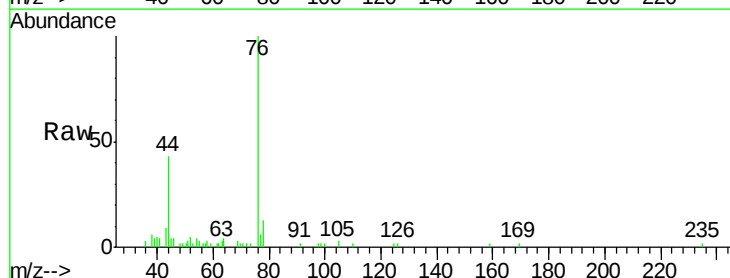
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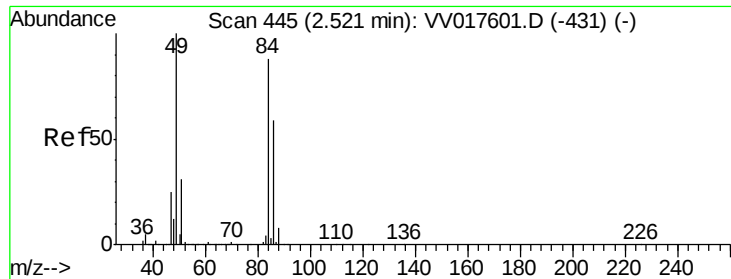
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#14
Carbon disulfide
Concen: 0.282 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.00 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Tgt Ion: 76 Resp: 8800
Ion Ratio Lower Upper
76 100
78 13.4 6.6 10.0#





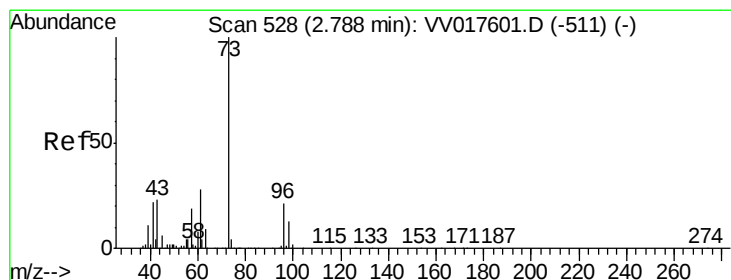
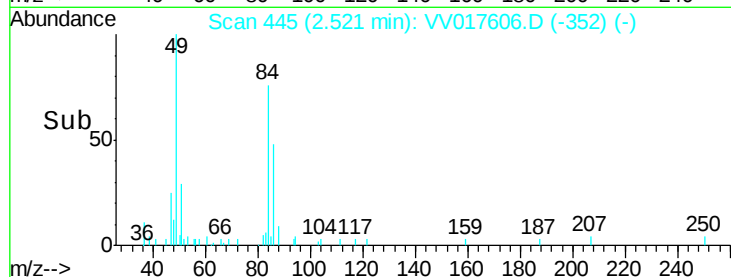
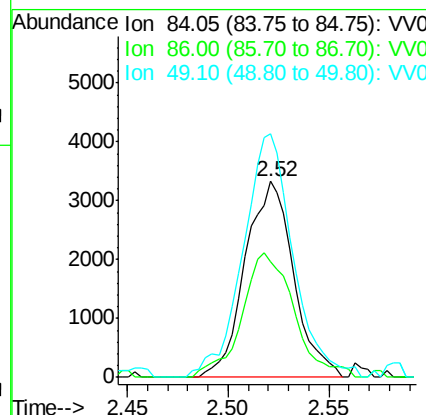
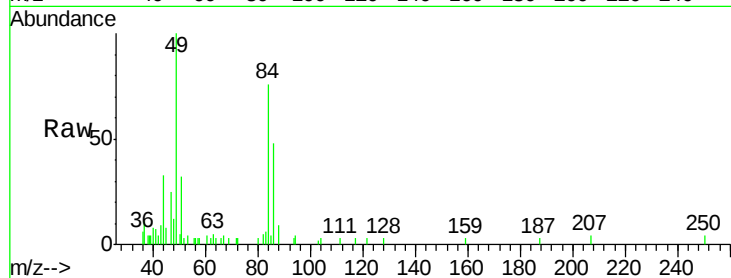
#16
Methvlene chloride
Concen: 0.491 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	84	Resp	5602
Ion Ratio	Lower	Upper	
84	100		
86	59.1	46.5	86.3
49	124.3	79.2	147.2

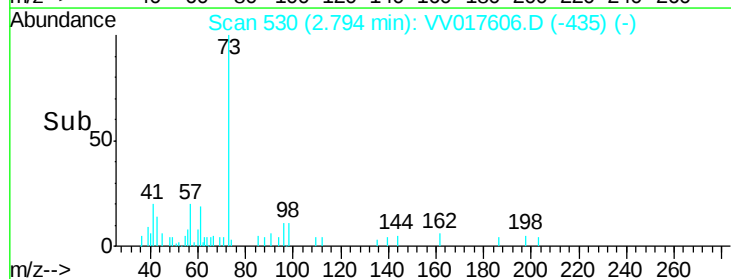
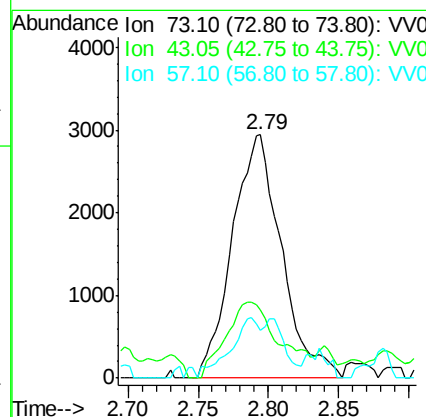
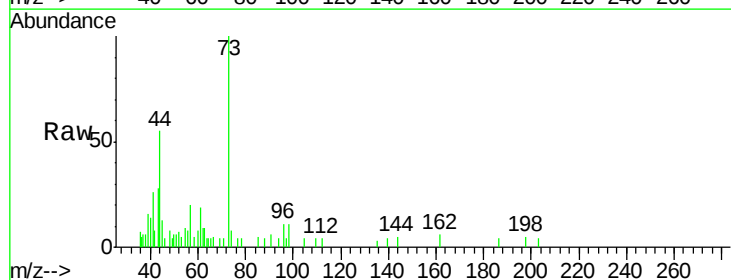
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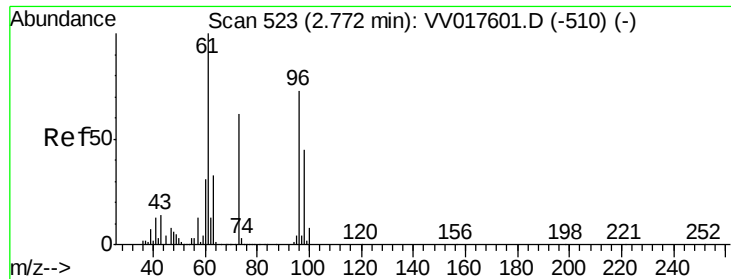
sam
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#17
Methyl tert-butyl Ether
Concen: 0.273 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.01 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Tgt Ion	73	Resp	7163
Ion Ratio	Lower	Upper	
73	100		
43	0.0	18.3	27.5#
57	7.1	16.7	25.1#





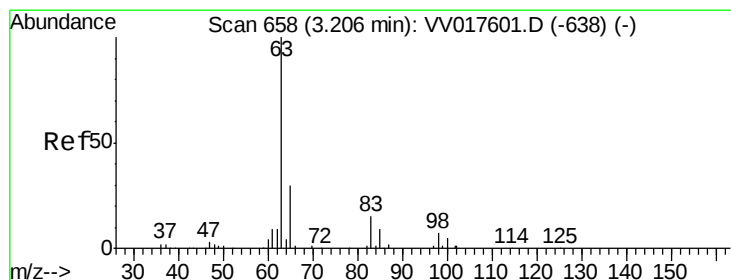
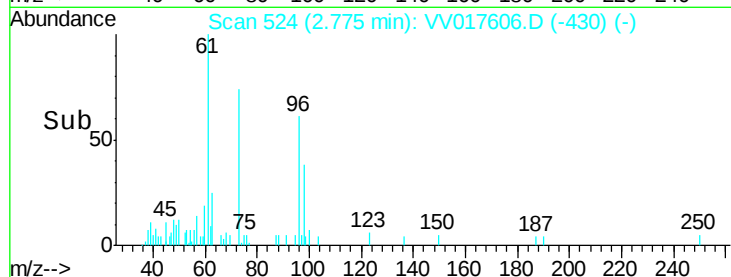
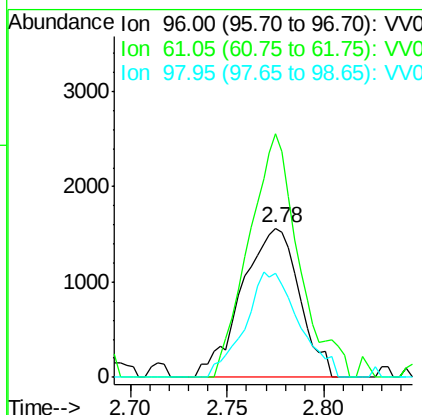
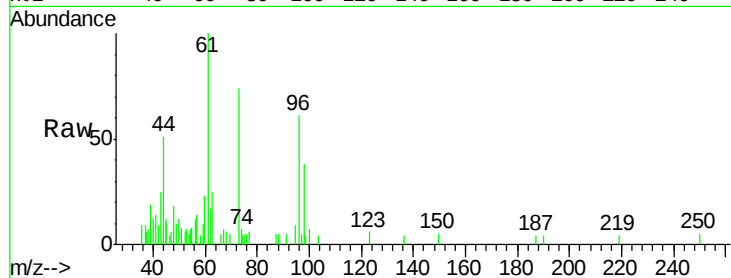
#18
trans-1,2-Dichloroethene
Concen: 0.288 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.1	96.0	178.4
98	69.6	43.5	80.9

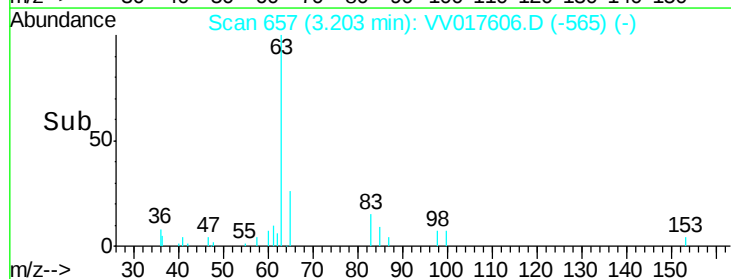
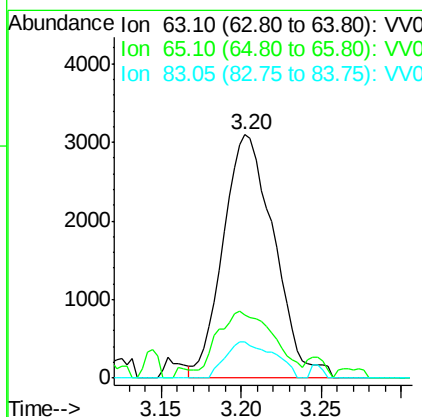
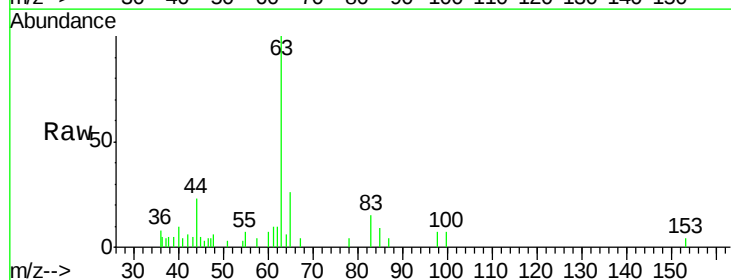
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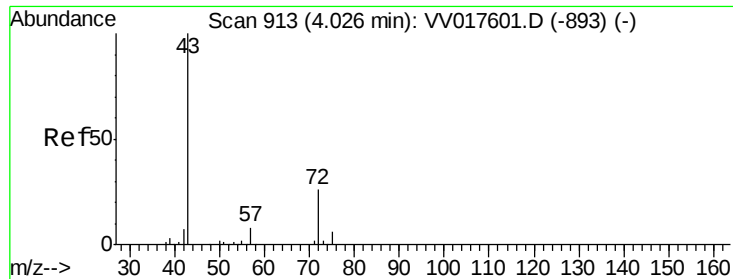
sam
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#19
1,1-Dichloroethane
Concen: 0.287 ug/L
RT: 3.20 min Scan# 657
Delta R.T. -0.00 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Tgt Ion	Ratio	Lower	Upper
63	100		
65	26.0	21.4	39.8
83	14.7	10.4	19.4





#21

2-Butanone

Concen: 2.660 ug/L m

RT: 4.05 min Scan# 920

Delta R.T. 0.02 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 43 Resp: 7645

Ion Ratio Lower Upper

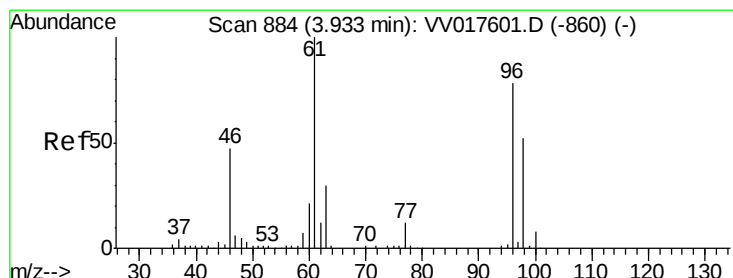
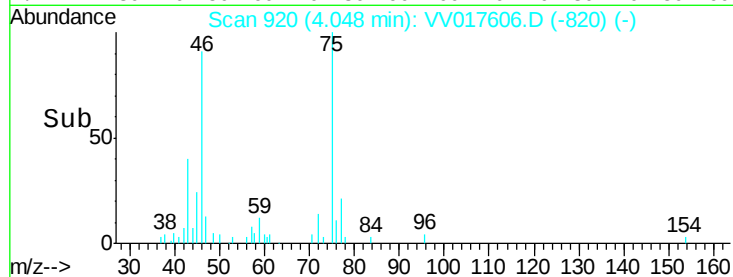
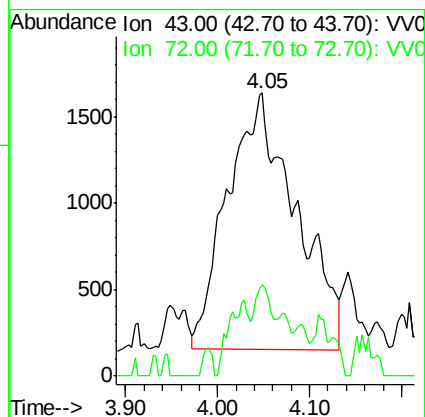
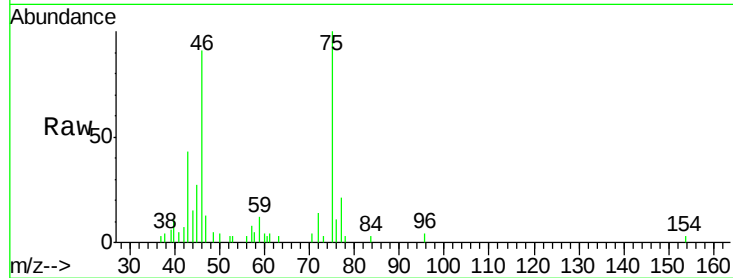
43 100

72 0.6 13.0 38.9#

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 0.257 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

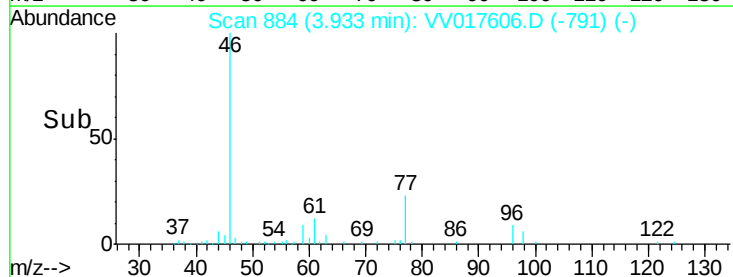
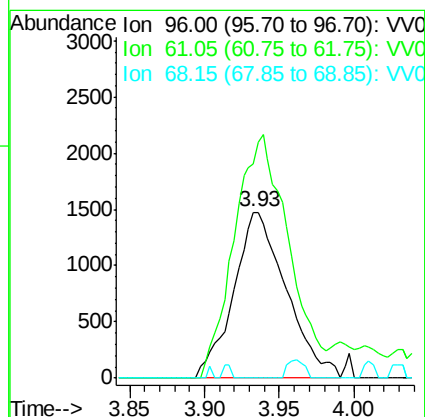
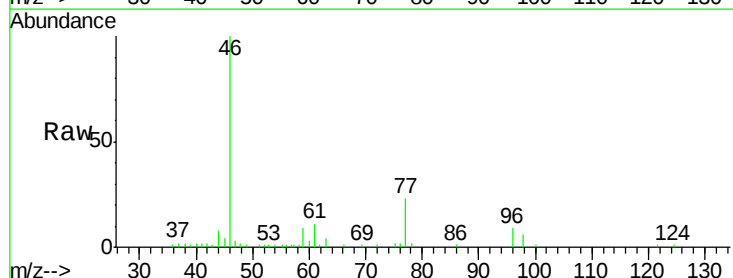
Tgt Ion: 96 Resp: 3608

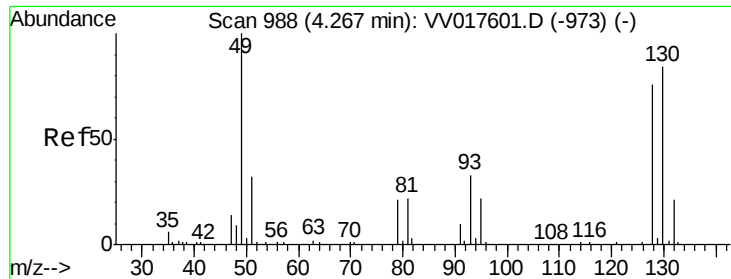
Ion Ratio Lower Upper

96 100

61 129.2 89.6 166.4

68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 0.269 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.01 min

Lab File: VV017606.D

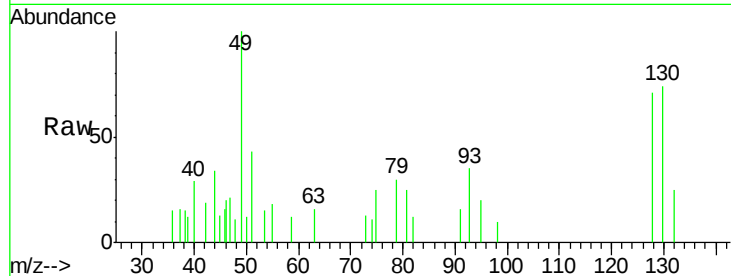
Acq: 23 Jul 2020 16:15

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion:	128	Resp:	1744
Ion	Ratio	Lower	Upper
128	100		
49	141.5	92.2	171.2
130	104.2	77.2	143.4
51	60.7	33.8	50.6#

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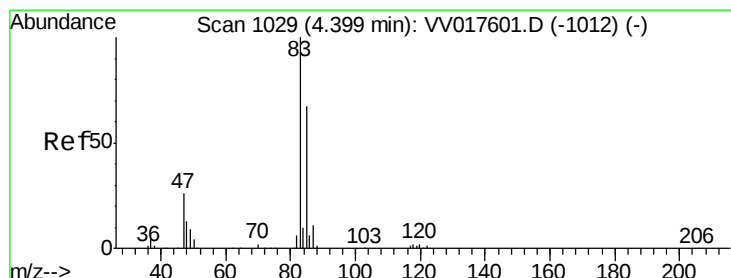
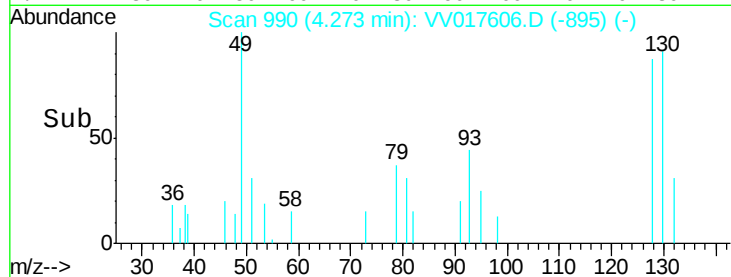


Abundance Ion 127.90 (127.60 to 128.60): VV017606.D (-973) (-)

Ion 49.10 (48.80 to 49.80): VV017606.D (-973) (-)

Ion 129.95 (129.65 to 130.65): VV017606.D (-973) (-)

Ion 51.05 (50.75 to 51.75): VV017606.D (-973) (-)



#25

Chloroform

Concen: 0.277 ug/L

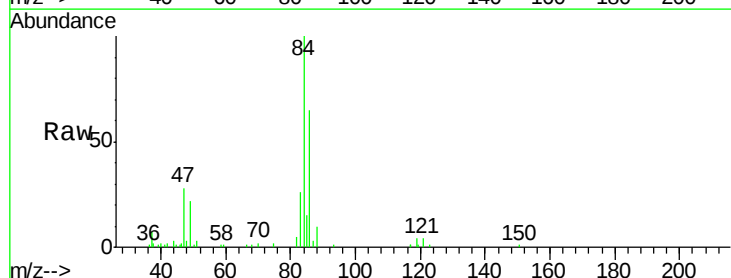
RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Tgt Ion:	83	Resp:	7307
Ion	Ratio	Lower	Upper
83	100		
85	56.9	47.3	87.9

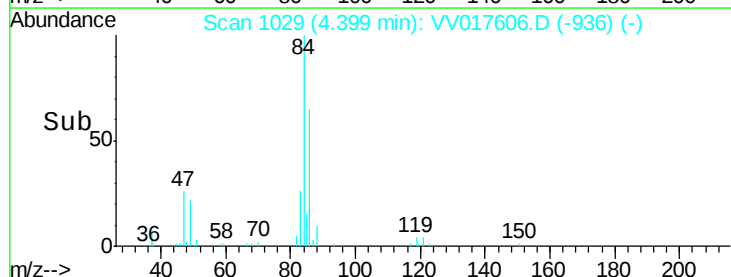


Abundance Ion 83.05 (82.75 to 83.75): VV017606.D (-936) (-)

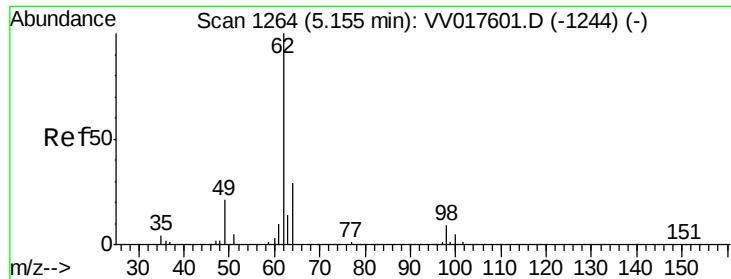
Ion 85.00 (84.70 to 85.70): VV017606.D (-936) (-)

Ion 87.05 (86.75 to 87.35): VV017606.D (-936) (-)

Ion 89.05 (88.75 to 89.35): VV017606.D (-936) (-)



Time-->



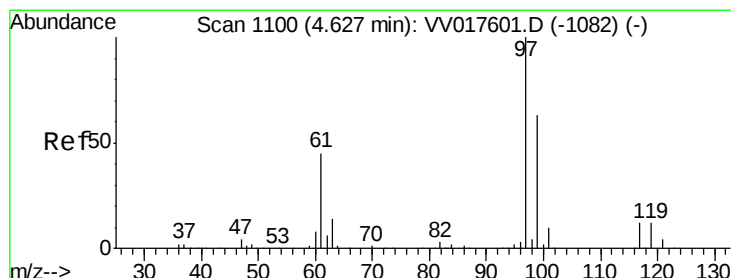
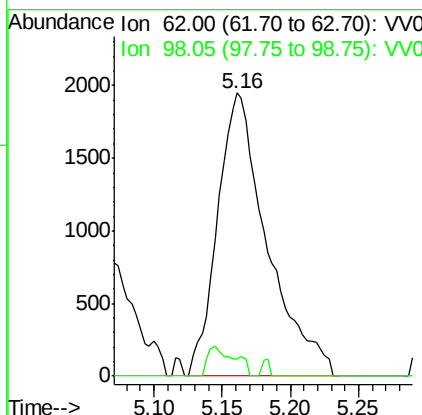
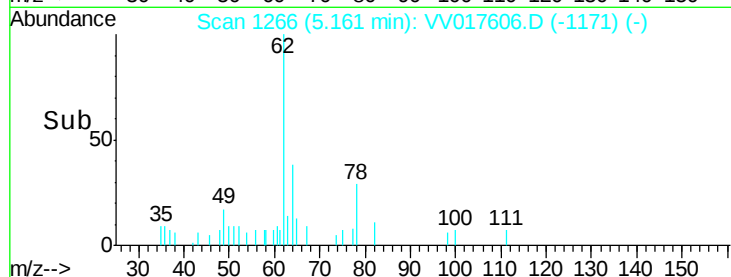
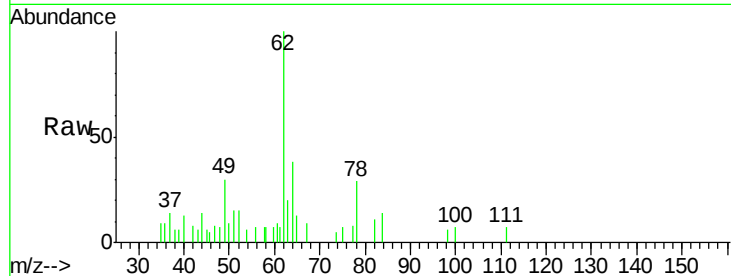
#27
 1,2-Dichloroethane
 Concen: 0.288 ug/L
 RT: 5.16 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.1	7.0	10.6#

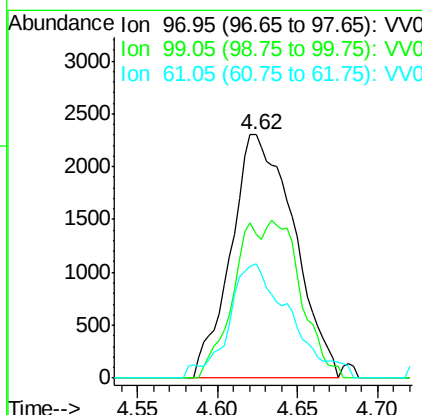
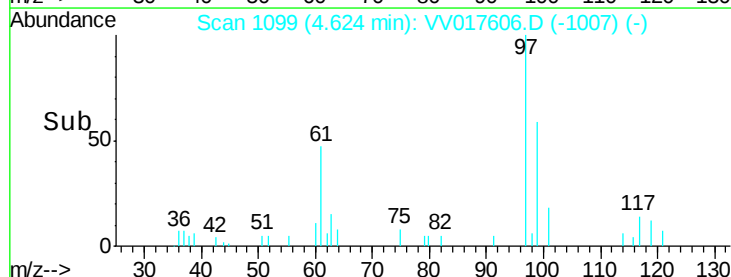
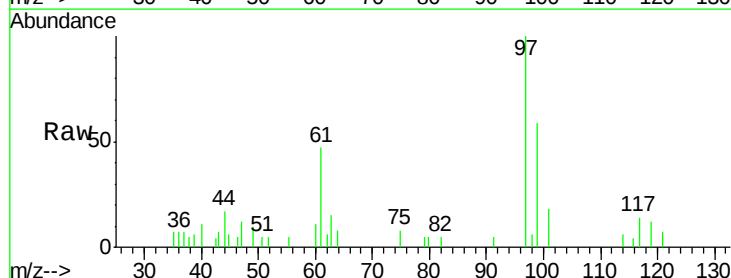
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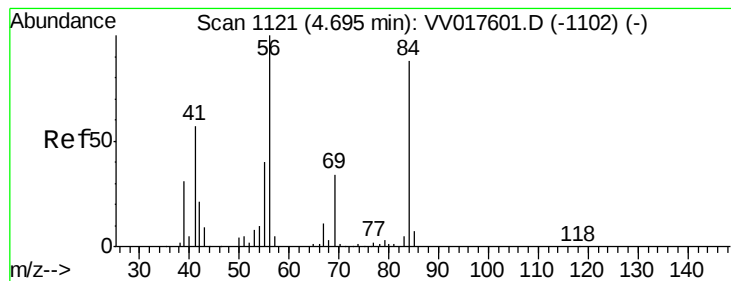
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#29
 1,1,1-Trichloroethane
 Concen: 0.240 ug/L
 RT: 4.62 min Scan# 1099
 Delta R.T. -0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	29.6	50.6	76.0#
61	45.9	35.7	53.5





#30

Cyclohexane

Concen: 0.247 ug/L

RT: 4.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

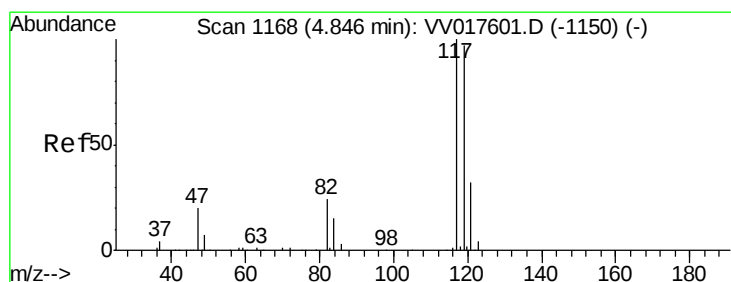
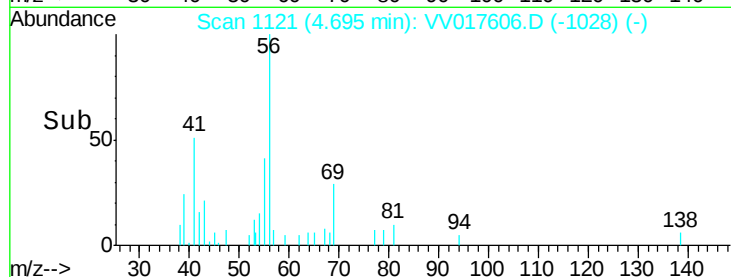
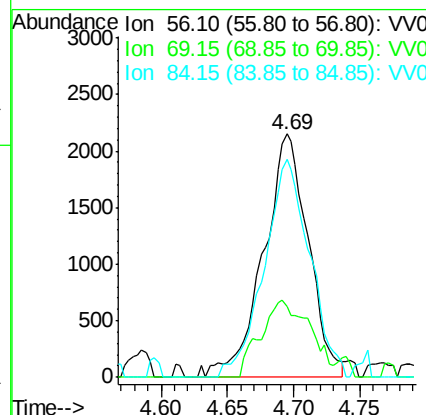
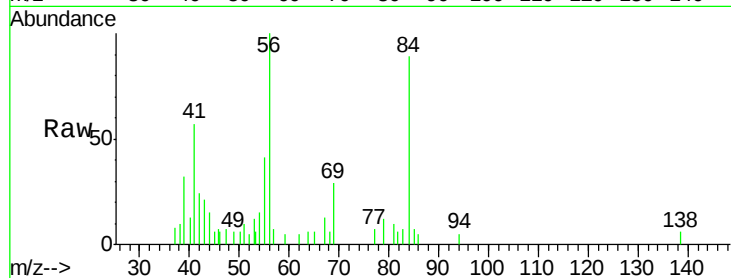
ClientSampleId :

MDL01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	25.4	38.2
84	90.8	73.0	109.4

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#31

Carbon tetrachloride

Concen: 0.241 ug/L

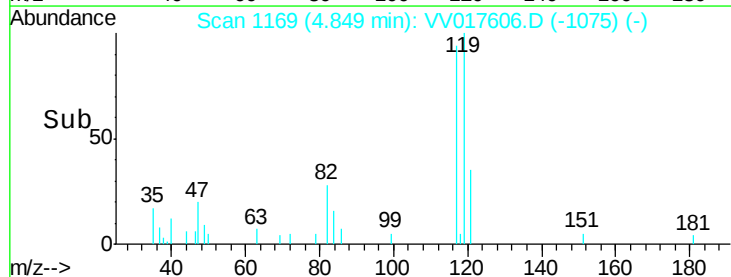
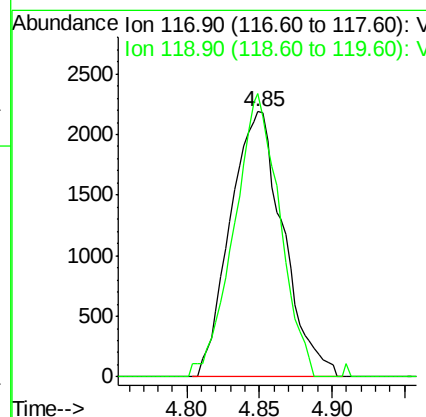
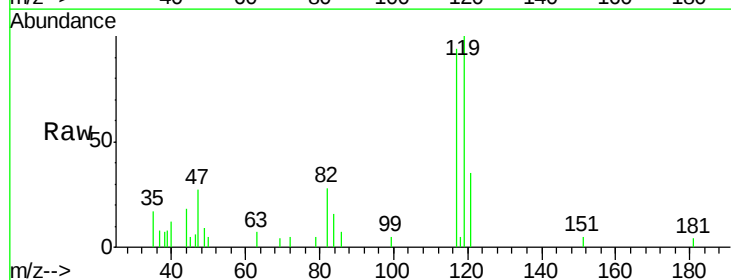
RT: 4.85 min Scan# 1169

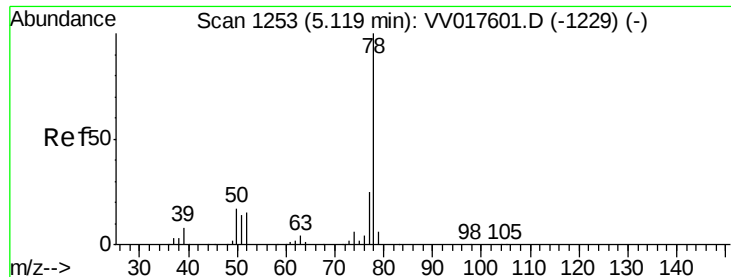
Delta R.T. 0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	76.9	115.3





#33

Benzene

Concen: 0.243 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

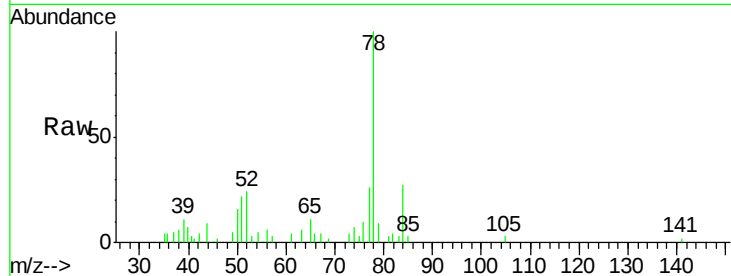
ClientSampleId :

MDL01

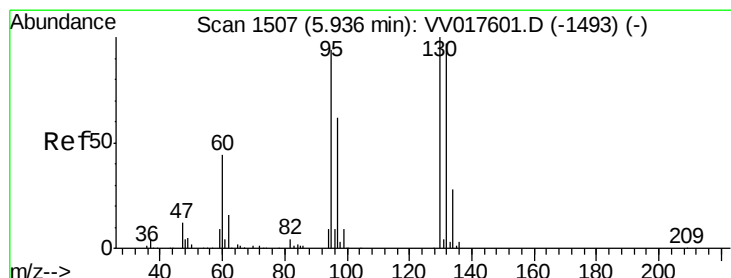
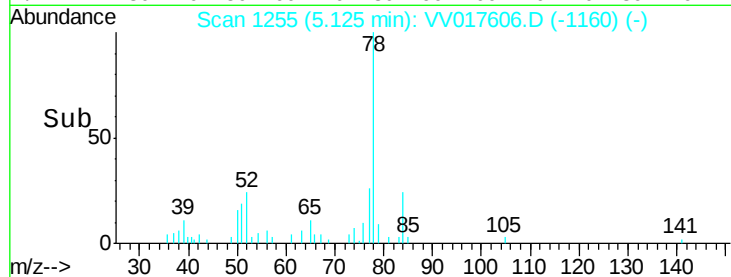
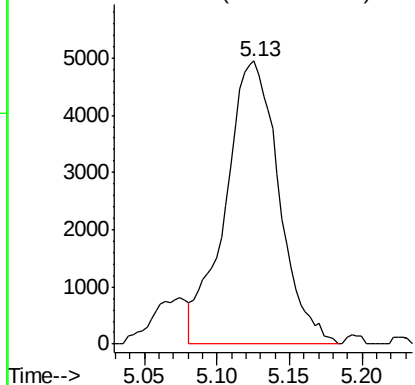
Tgt Ion: 78 Resp: 12759

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Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.298 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Tgt Ion: 95 Resp: 4375

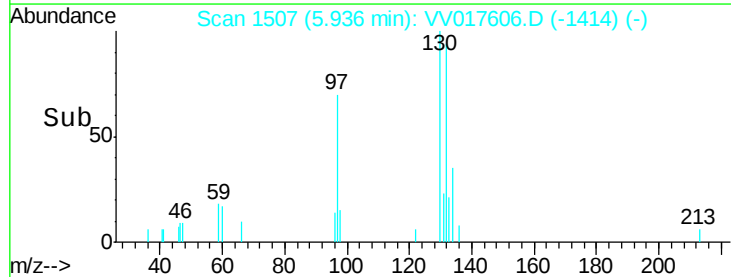
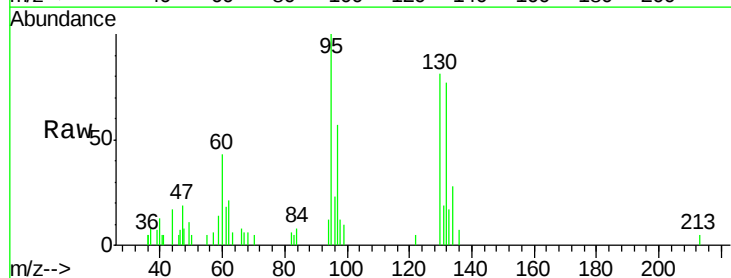
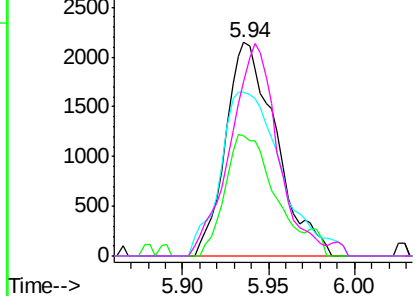
Ion	Ratio	Lower	Upper
95	100		
97	56.7	46.1	85.5
132	76.8	71.7	133.1
130	81.4	74.3	137.9

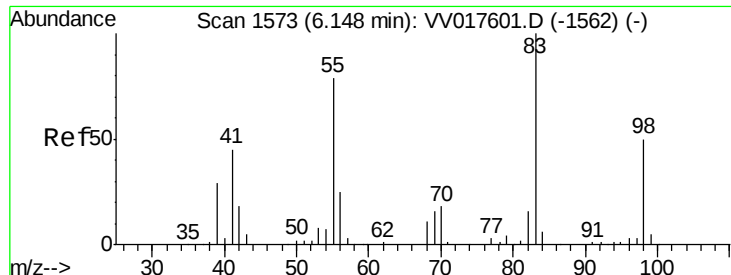
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0





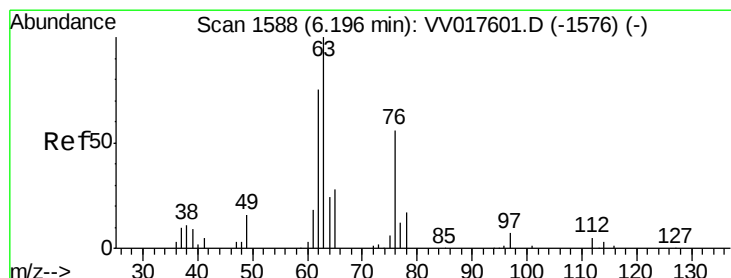
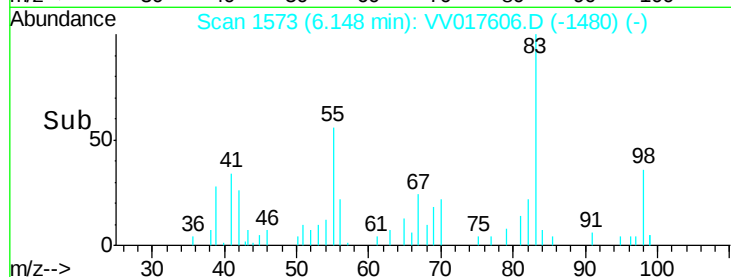
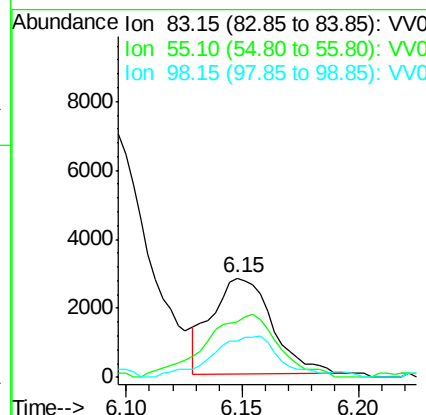
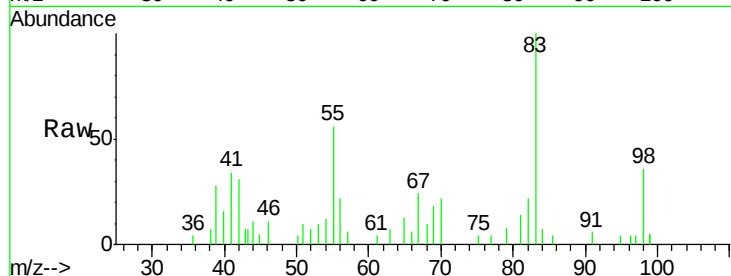
#35
Methvlcvclohexane
Concen: 0.227 ug/L
RT: 6.15 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	83	Resp	5029
Ion Ratio	100	Lower	Upper
83	100		
55	79.1	61.8	92.8
98	48.2	39.0	58.6

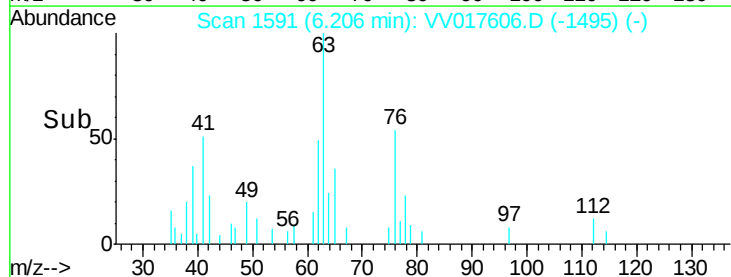
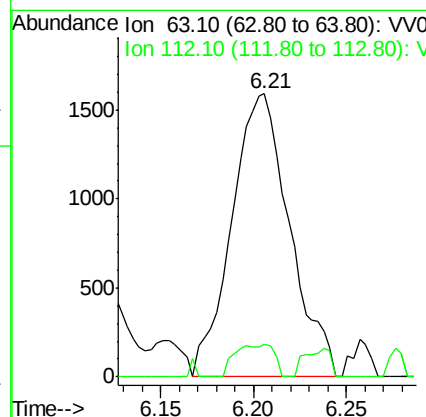
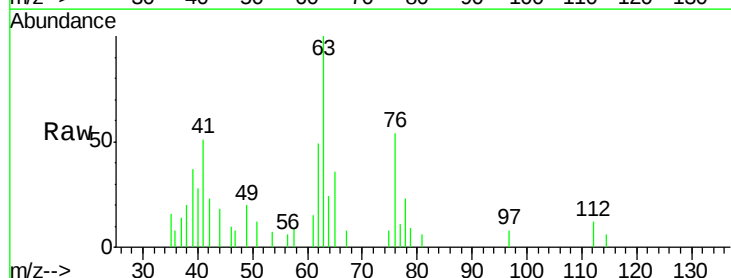
Manual Integrations
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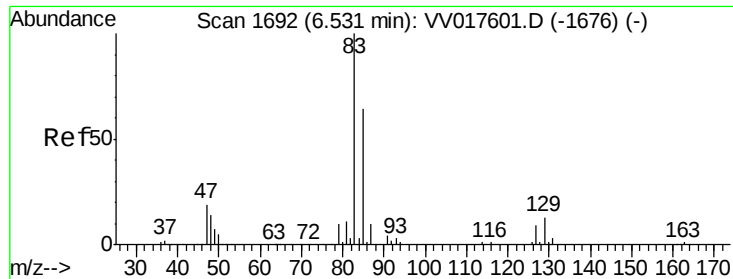
sam
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#37
1,2-Dichloropropane
Concen: 0.280 ug/L
RT: 6.21 min Scan# 1591
Delta R.T. 0.01 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Tgt Ion	63	Resp	3450
Ion Ratio	100	Lower	Upper
63	100		
112	7.7	4.5	6.7#





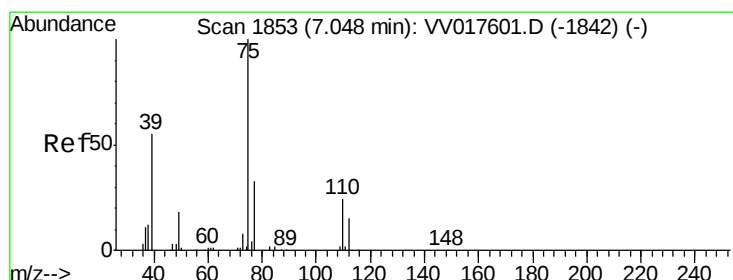
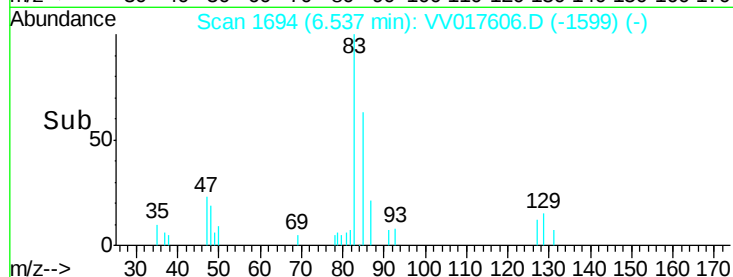
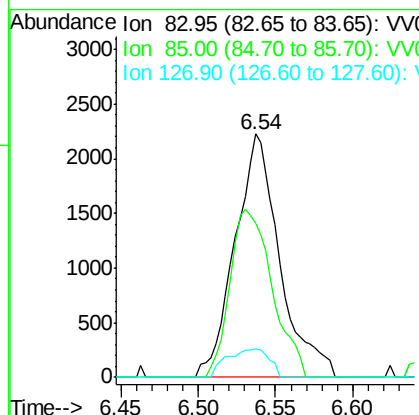
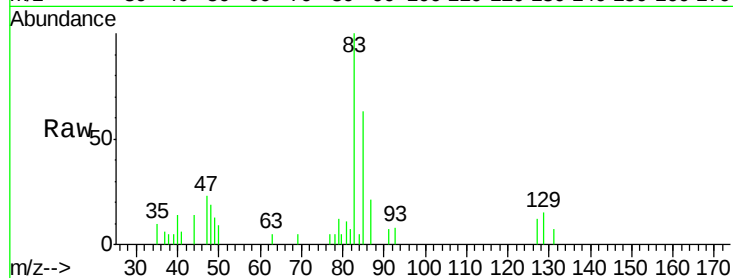
#38
 Bromodichloromethane
 Concen: 0.247 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	83	Resp	4475
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	44.7	83.1
127	11.7	7.4	11.0#

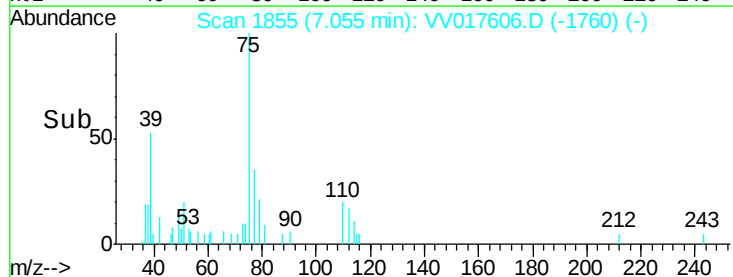
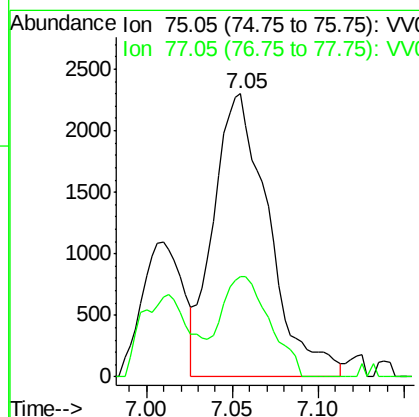
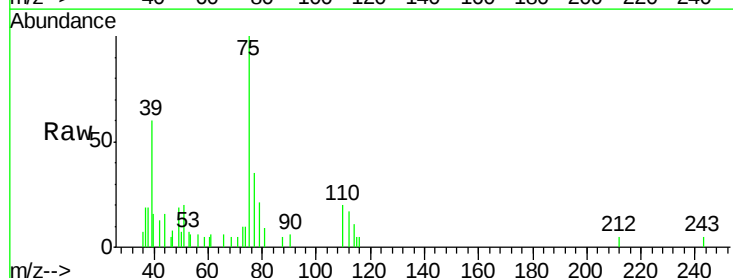
Manual Integrations
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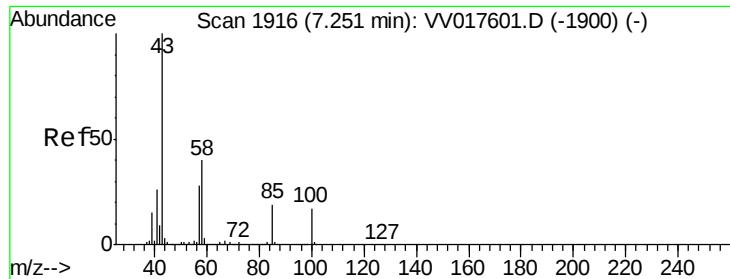
sam
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#39
 cis-1,3-Dichloropropene
 Concen: 0.278 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Tgt Ion	75	Resp	5169
Ion Ratio	100	Lower	Upper
75	100		
77	35.3	23.2	43.2





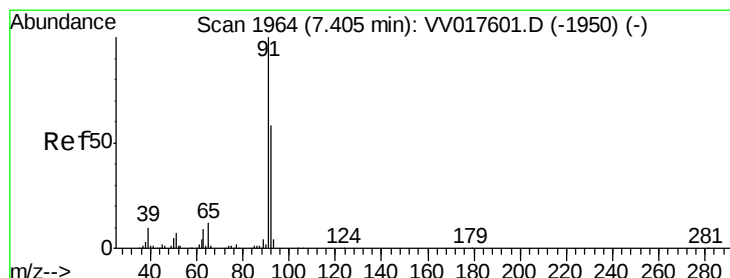
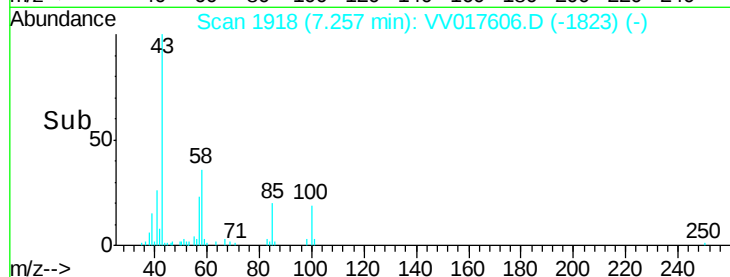
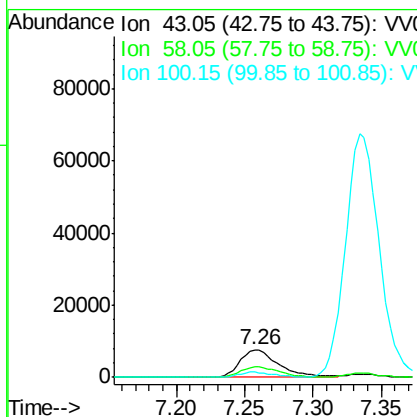
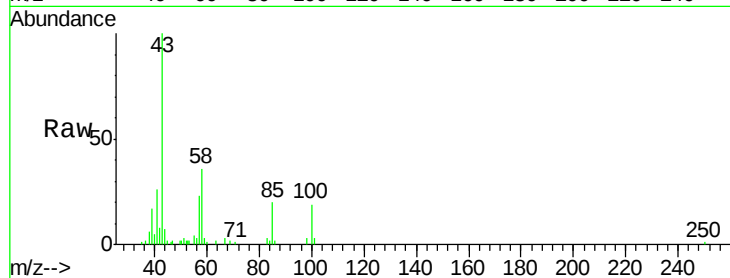
#40
4-Methyl-2-pentanone
Concen: 2.252 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.9	31.2	46.8
100	0.0	13.6	20.4

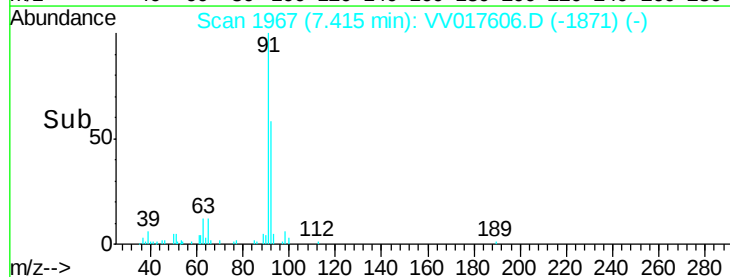
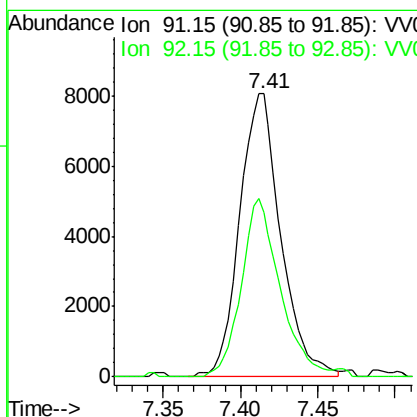
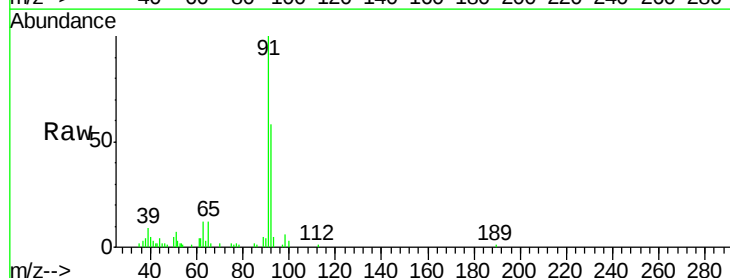
Manual Integrations
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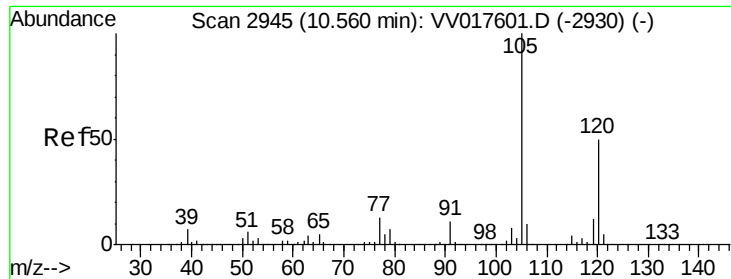
sam
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#42
Toluene
Concen: 0.260 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.3	40.8	75.8





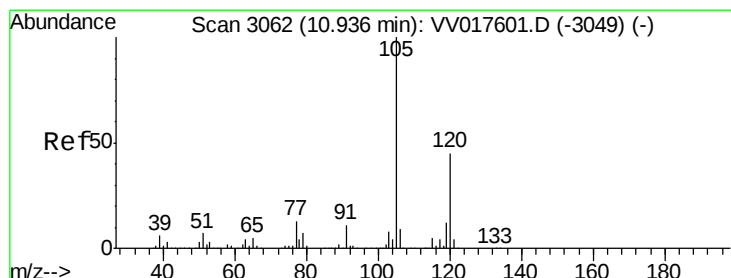
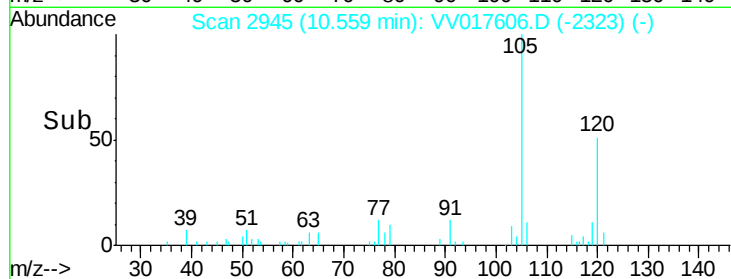
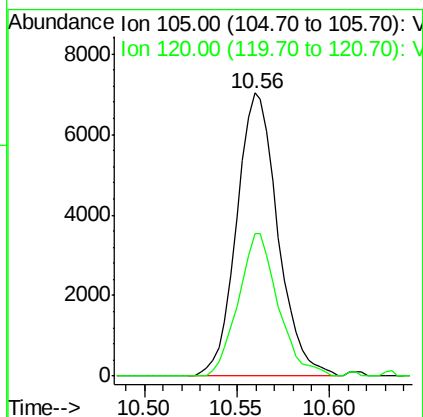
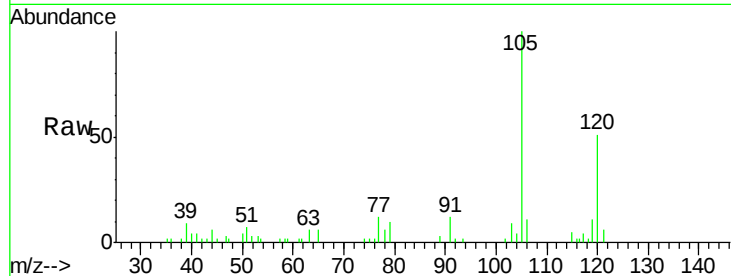
#43
 1,3,5-Trimethylbenzene
 Concen: 0.203 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion:105 Resp: 10869
 Ion Ratio Lower Upper
 105 100
 120 48.6 39.4 59.2

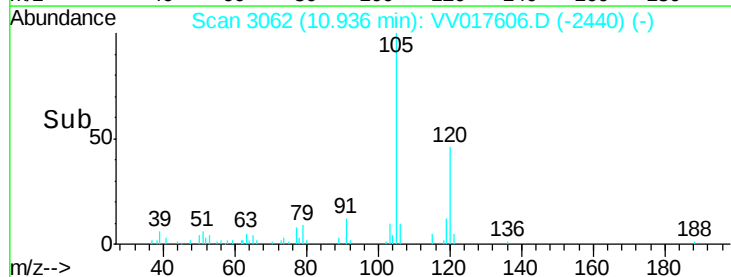
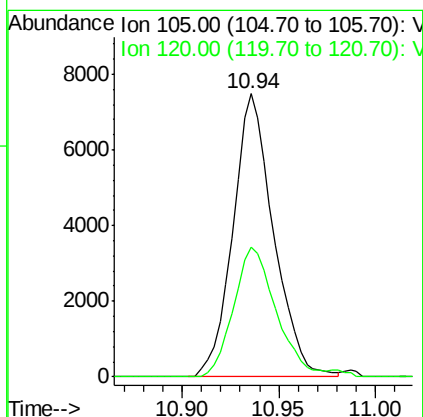
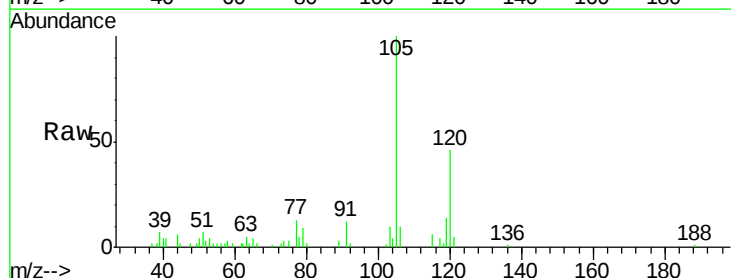
Manual Integrations
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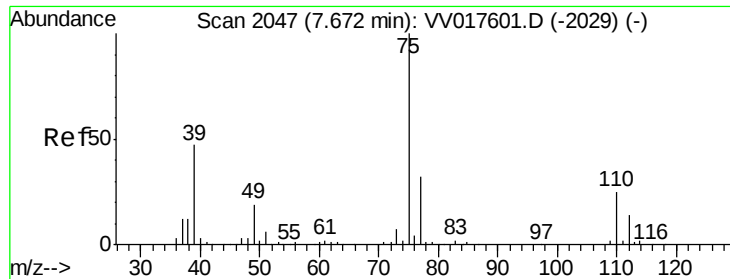
sam
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#44
 1,2,4-Trimethylbenzene
 Concen: 0.199 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Tgt Ion:105 Resp: 10897
 Ion Ratio Lower Upper
 105 100
 120 49.1 35.9 53.9





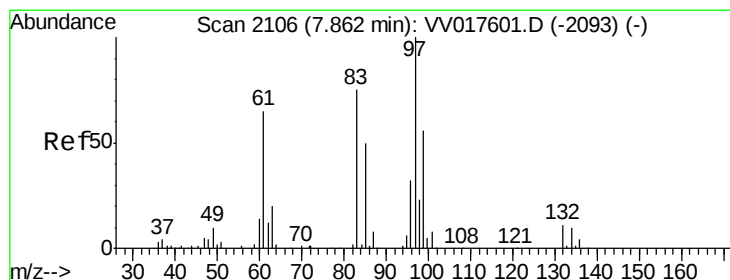
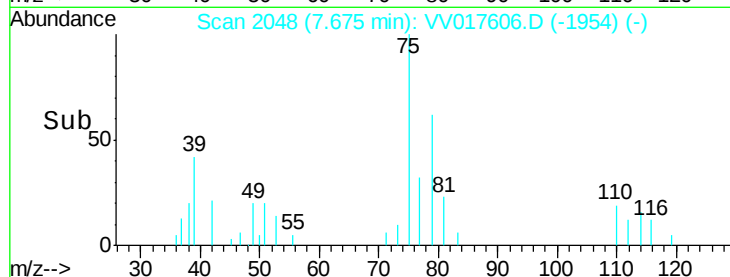
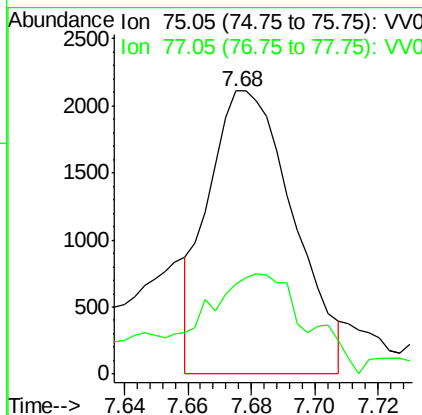
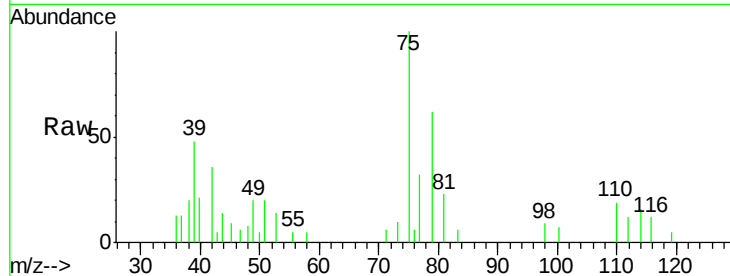
#46
trans-1,3-Dichloropropene
Concen: 0.234 ug/L m
RT: 7.68 min Scan# 2048
Delta R.T. 0.00 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion: 75 Resp: 3907
Ion Ratio Lower Upper
75 100
77 31.8 22.5 41.7

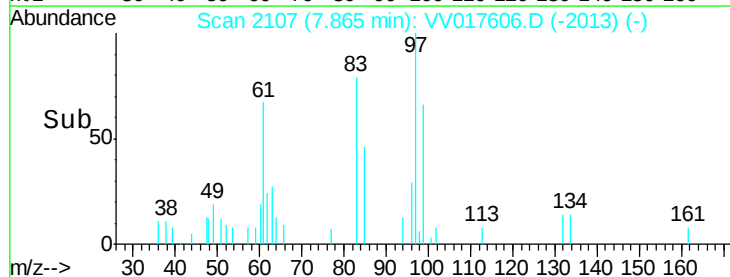
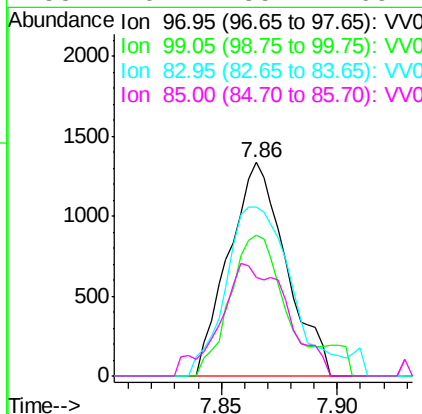
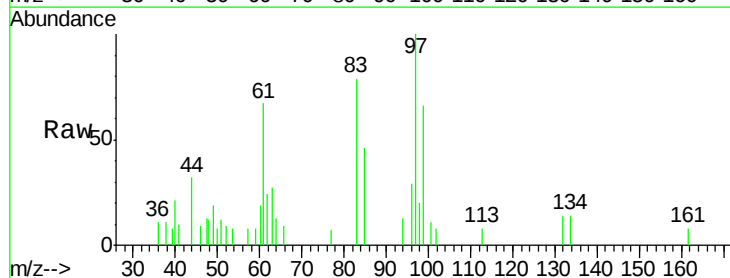
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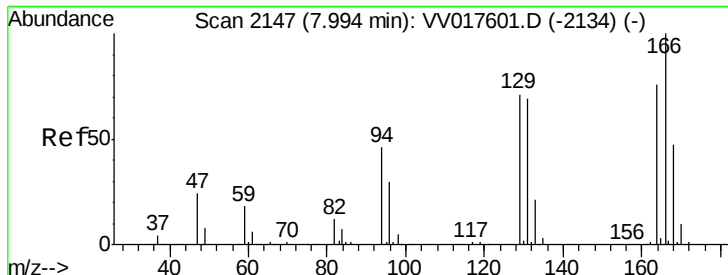
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#47
1,1,2-Trichloroethane
Concen: 0.245 ug/L
RT: 7.86 min Scan# 2107
Delta R.T. 0.00 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Tgt Ion: 97 Resp: 2290
Ion Ratio Lower Upper
97 100
99 65.8 39.5 73.4
83 79.2 52.6 97.6
85 46.1 35.1 65.1





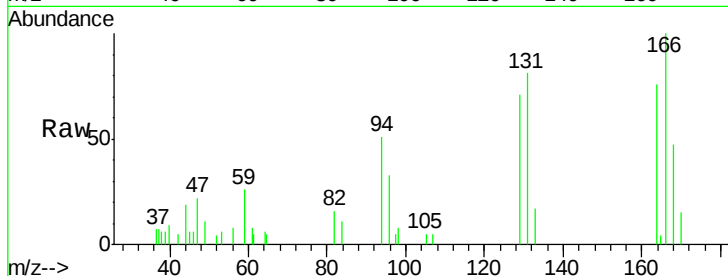
#49
Tetrachloroethene
Concen: 0.229 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	164	Resp	2964
Ion	Ratio	Lower	Upper
164	100		
129	93.3	65.0	120.8
131	106.4	63.6	118.2
166	131.1	91.7	170.3

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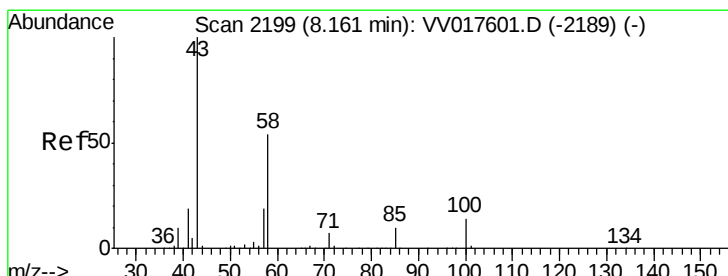
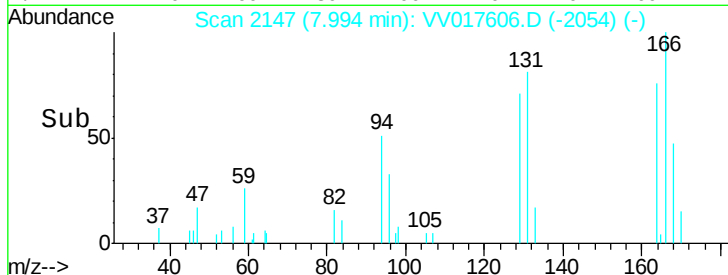
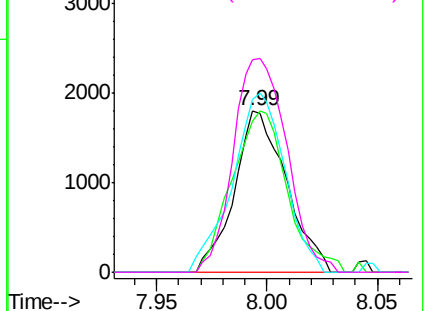


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

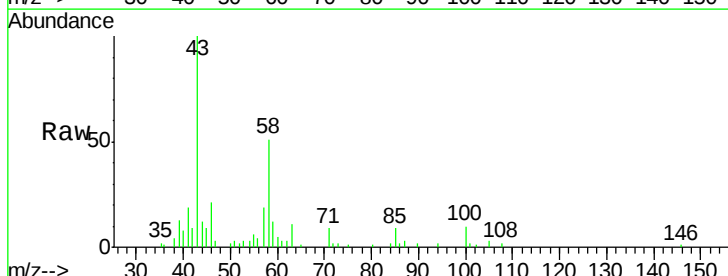
Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#50
2-Hexanone
Concen: 3.414 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Tgt Ion	43	Resp	16344
Ion	Ratio	Lower	Upper
43	100		
58	47.9	41.6	62.4
57	21.9	15.4	23.0
100	8.4	11.2	16.8#

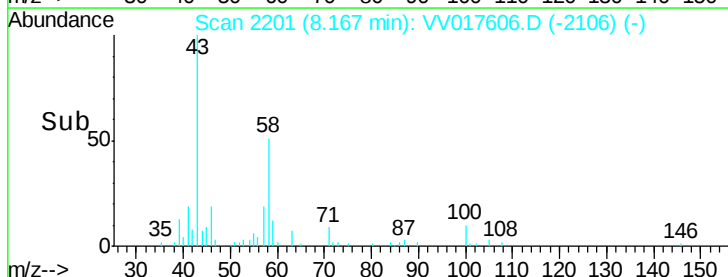
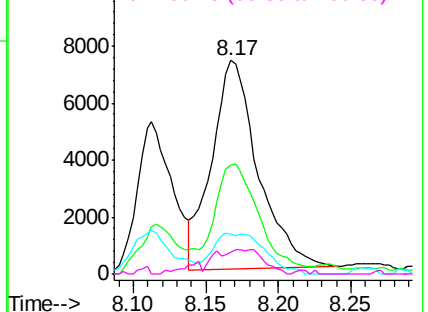


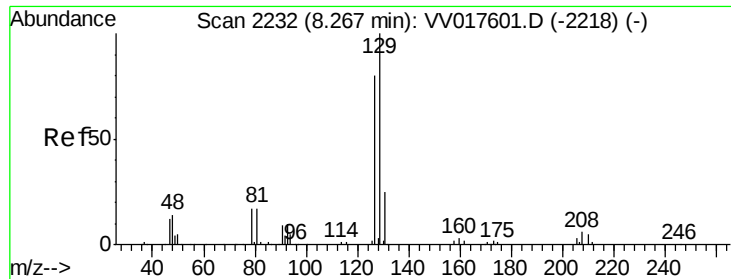
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





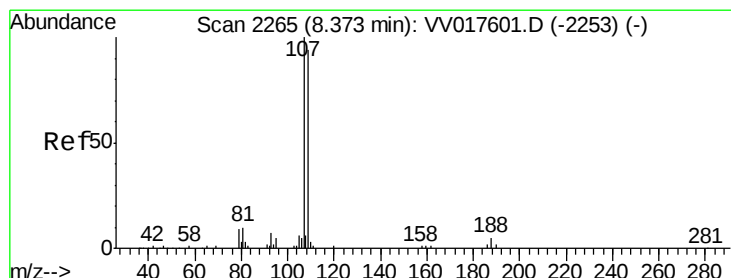
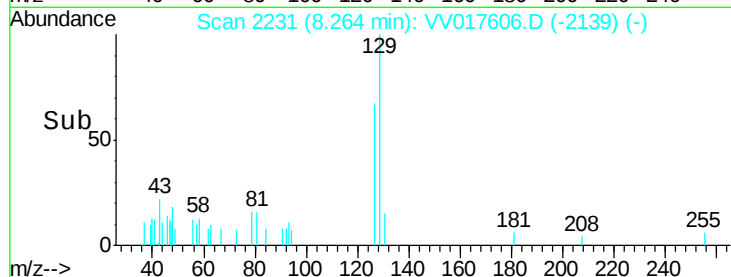
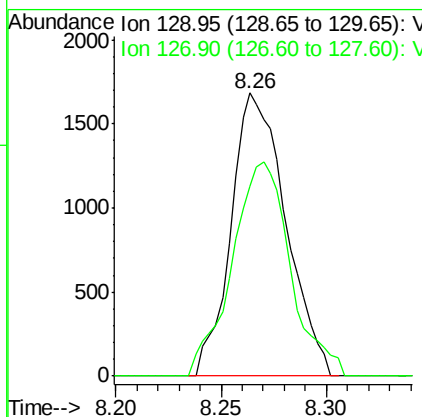
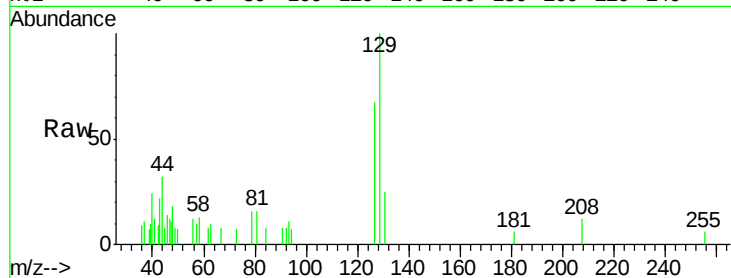
#51
Dibromochloromethane
Concen: 0.255 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion:129 Resp: 3040
Ion Ratio Lower Upper
129 100
127 67.1 56.3 104.5

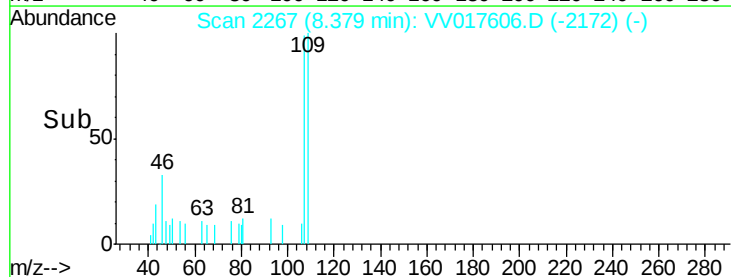
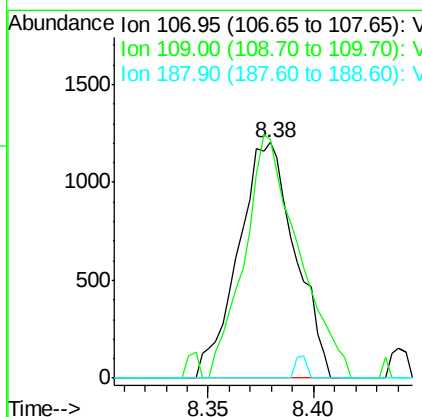
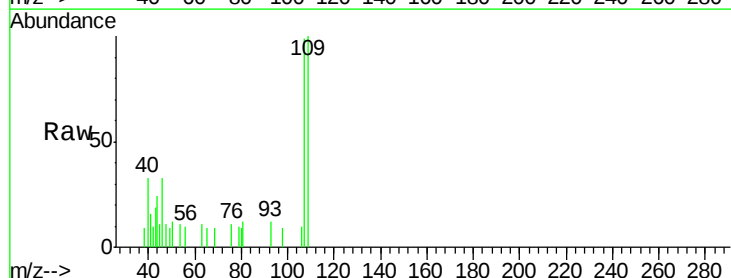
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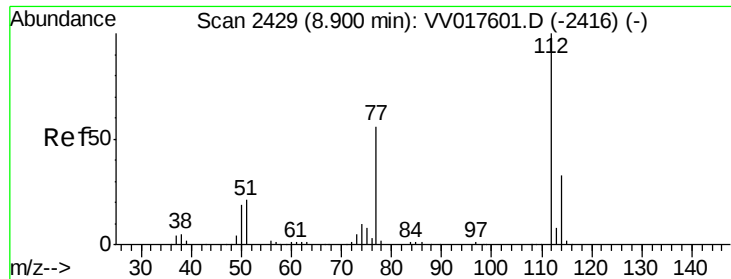
sam
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#52
1,2-Dibromoethane
Concen: 0.255 ug/L
RT: 8.38 min Scan# 2267
Delta R.T. 0.01 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Tgt Ion:107 Resp: 2254
Ion Ratio Lower Upper
107 100
109 101.3 65.5 121.7
188 0.0 3.7 5.5#





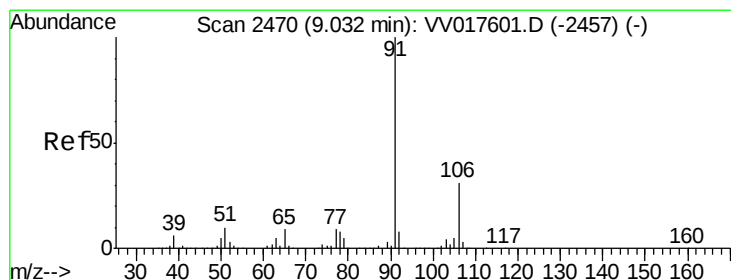
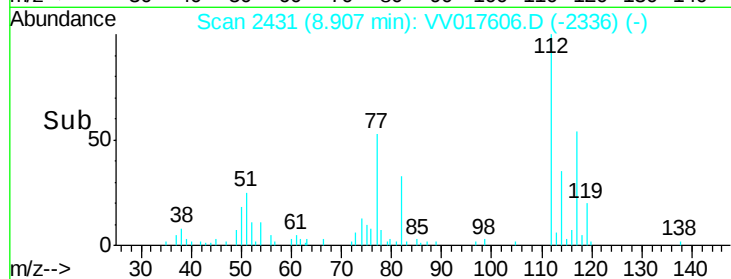
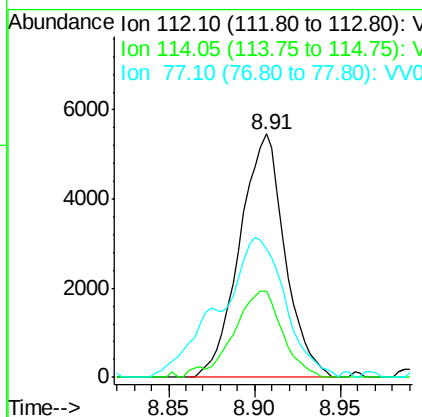
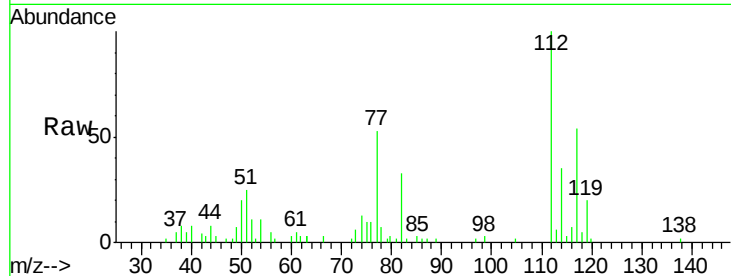
#53
Chlorobenzene
Concen: 0.261 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.01 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
112	100		
114	35.1	23.2	43.2
77	53.0	45.6	68.4

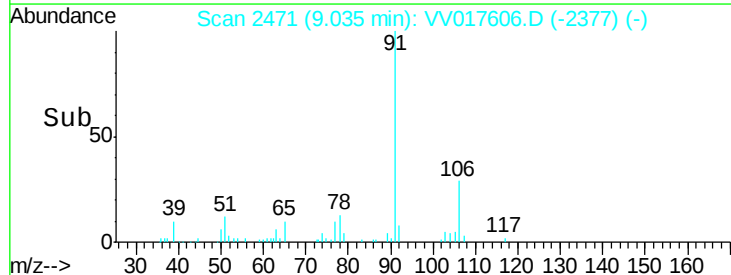
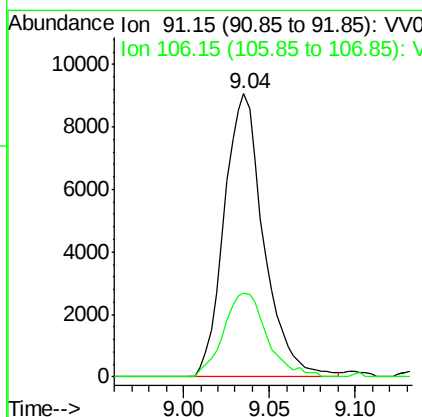
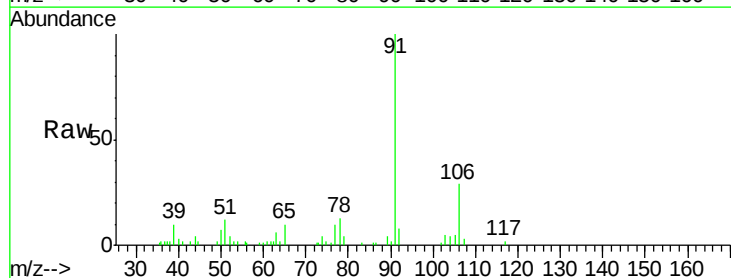
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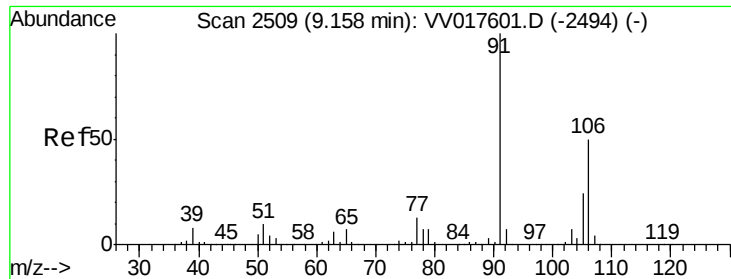
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#54
Ethylbenzene
Concen: 0.226 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.4	21.6	40.2





#55

m,p-xylene

Concen: 0.210 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion:106 Resp: 5076

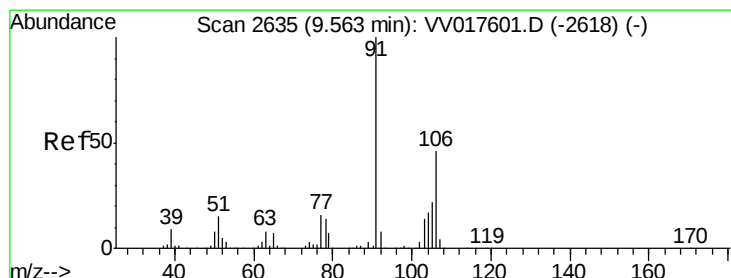
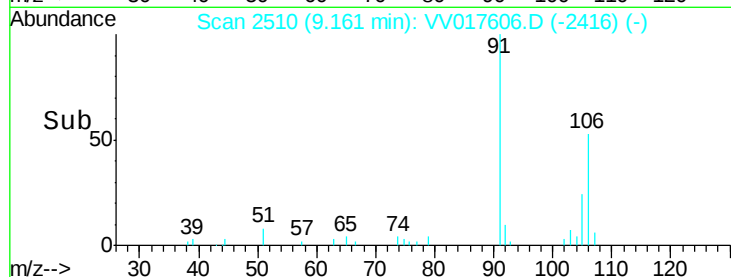
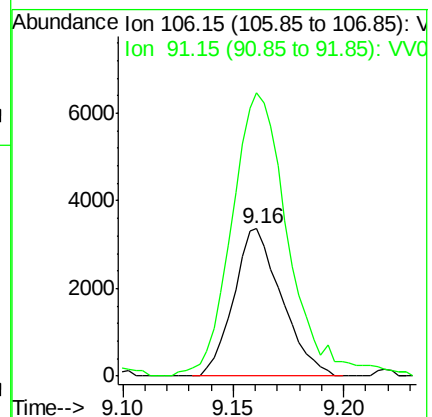
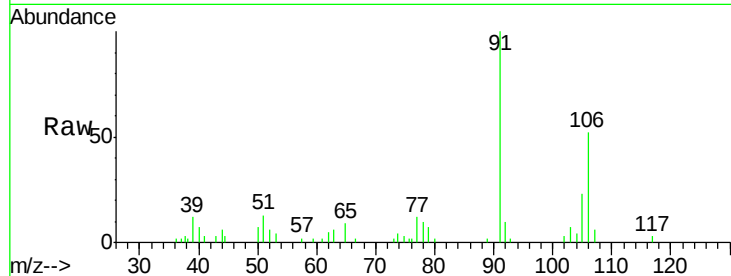
Ion Ratio Lower Upper

106 100

91 192.0 141.3 262.3

Manual Integrations
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sam
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#56

o-xylene

Concen: 0.228 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017606.D

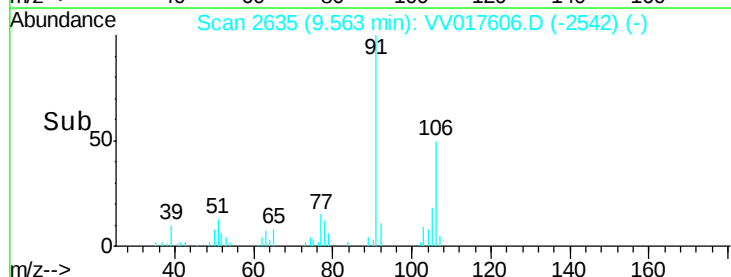
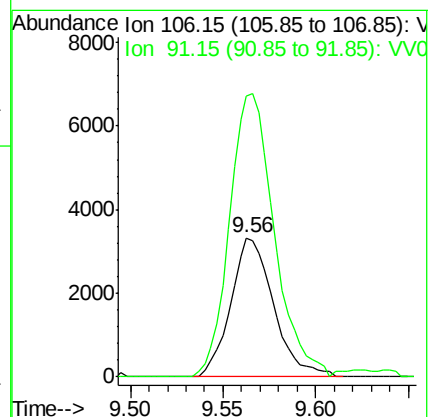
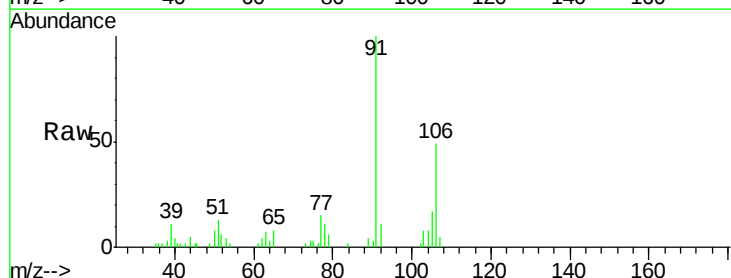
Acq: 23 Jul 2020 16:15

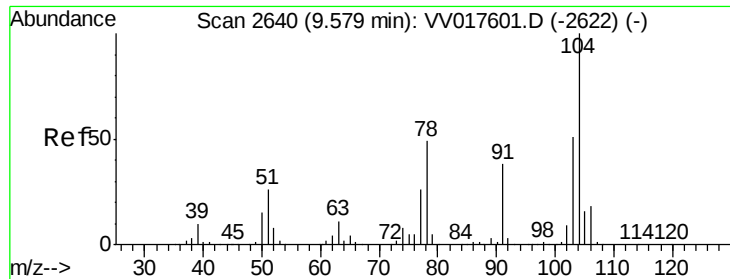
Tgt Ion:106 Resp: 5343

Ion Ratio Lower Upper

106 100

91 202.2 153.9 285.7





#57

Stvrene

Concen: 0.221 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion:104 Resp: 8634

Ion Ratio Lower Upper

104 100

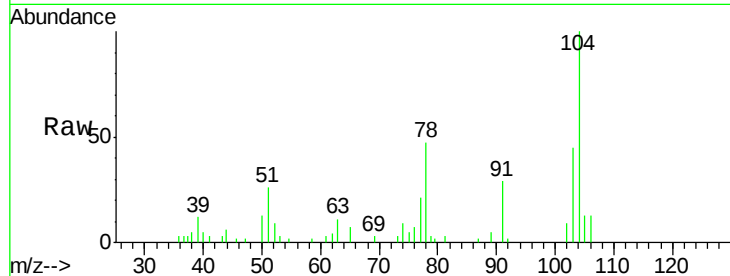
78 47.5 34.0 63.2

Manual Integrations

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sam

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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

6000

5000

4000

3000

2000

1000

0

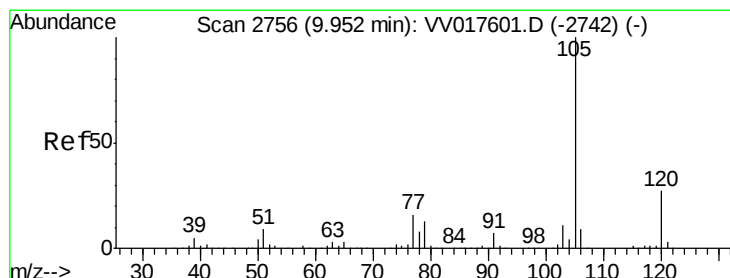
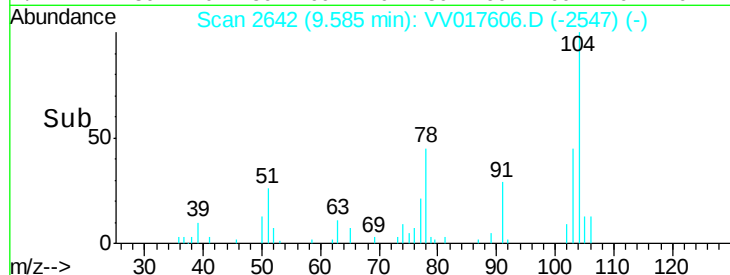
9.50

9.55

9.60

9.65

Time-->



#58

Isopropylbenzene

Concen: 0.208 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

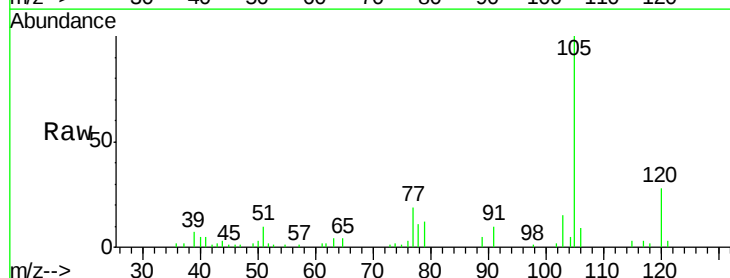
Tgt Ion:105 Resp: 13475

Ion Ratio Lower Upper

105 100

120 26.9 21.1 31.7

77 19.2 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0

10000

8000

6000

4000

2000

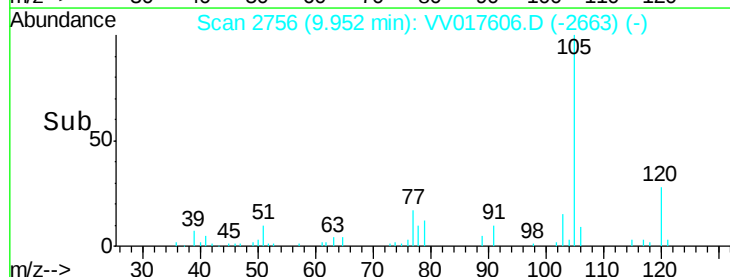
0

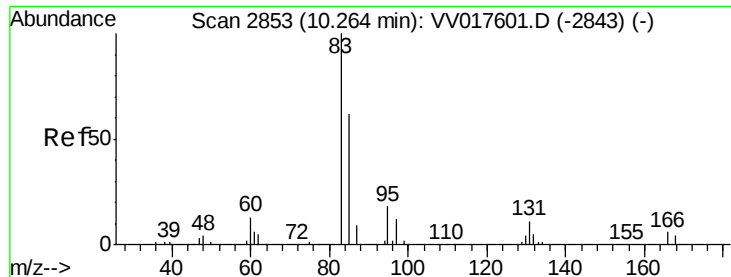
9.90

9.95

10.00

Time-->





#60

1,1,2,2-Tetrachloroethane

Concen: 0.297 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

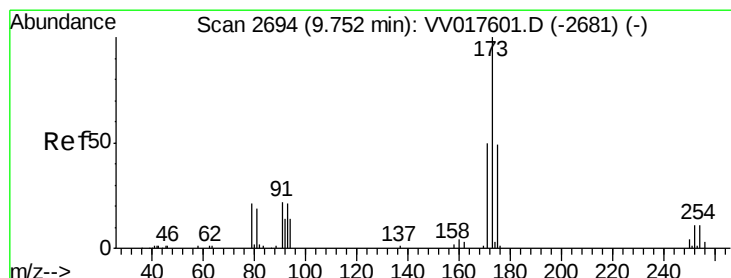
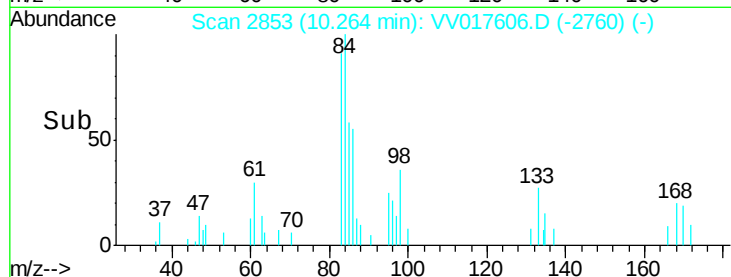
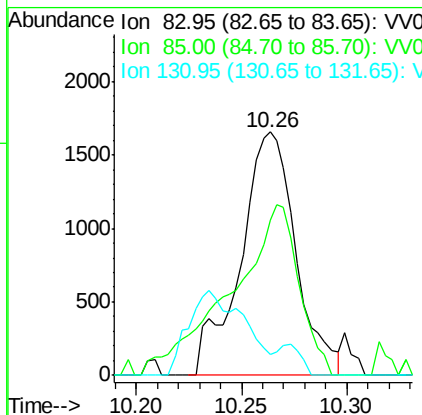
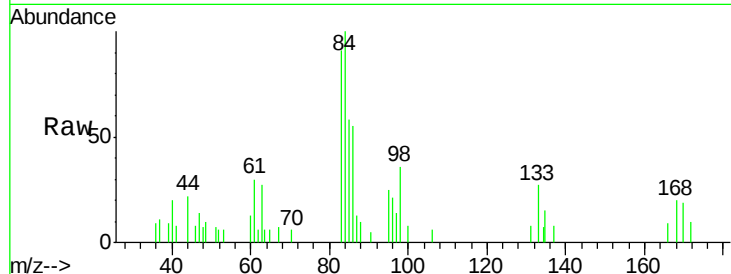
ClientSampleId :

MDL01

Tot Ion:	83	Resp:	3032
Ion	Ratio	Lower	Upper
83	100		
85	63.6	44.4	82.5
131	8.3	9.2	13.8#

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#62

Bromoform

Concen: 0.250 ug/L

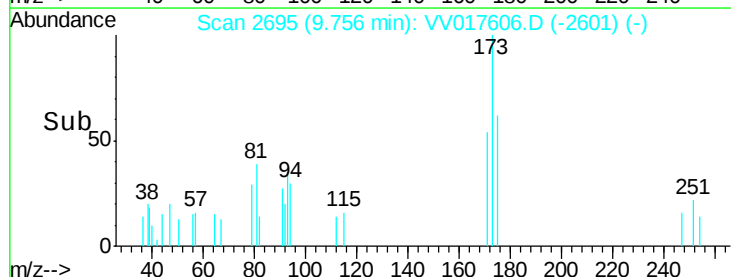
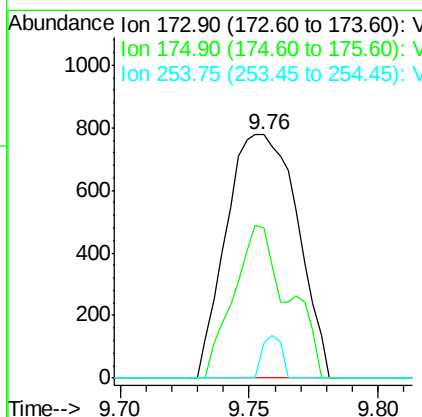
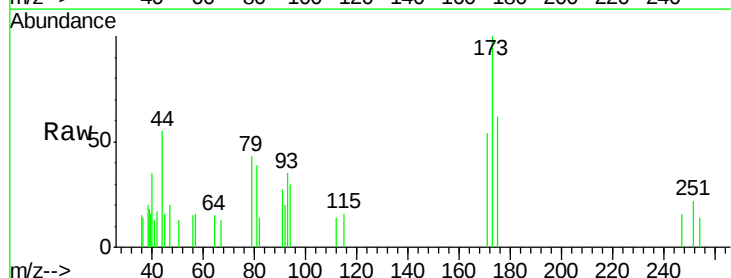
RT: 9.76 min Scan# 2695

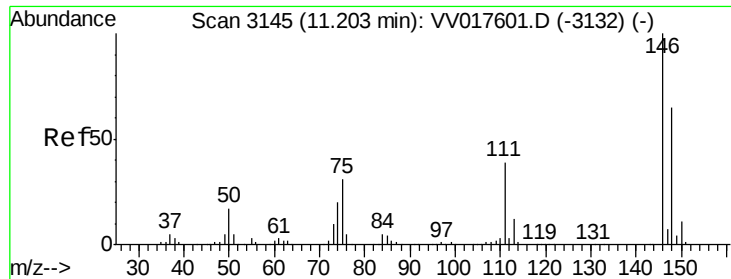
Delta R.T. 0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Tgt Ion:	173	Resp:	1492
Ion	Ratio	Lower	Upper
173	100		
175	48.1	39.6	59.4
254	4.7	8.4	12.6#





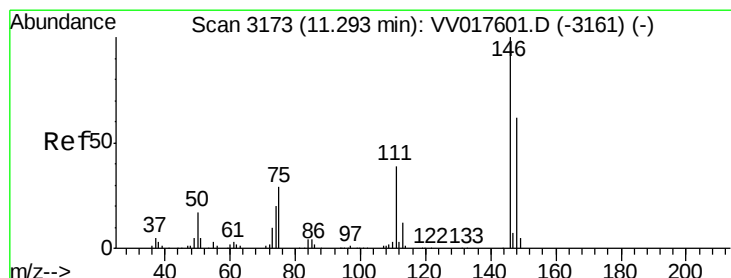
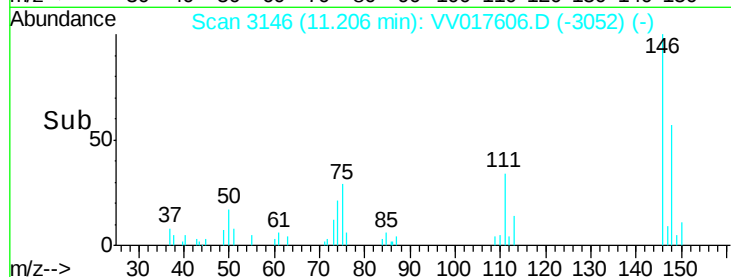
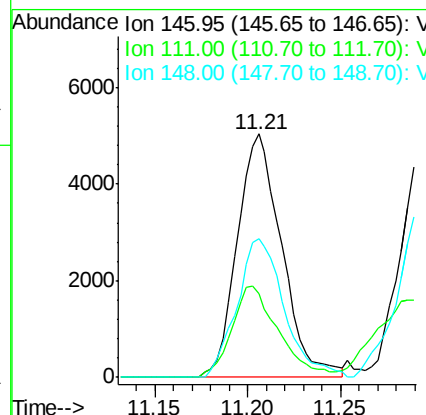
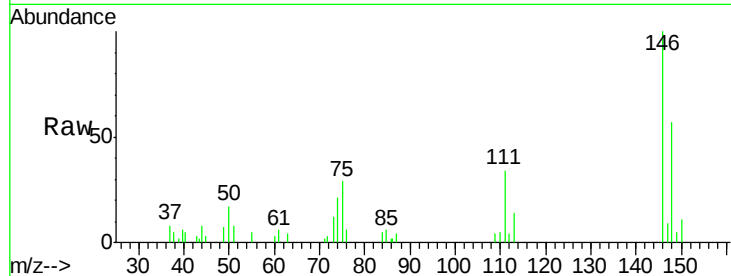
#63
 1,3-Dichlorobenzene
 Concen: 0.280 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.2	27.3	50.7
148	56.7	45.6	84.6

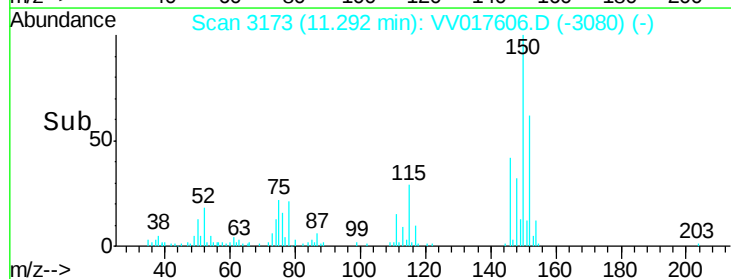
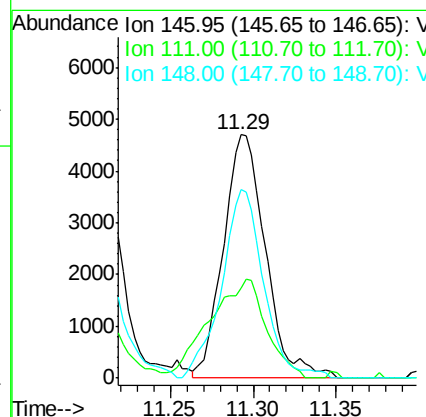
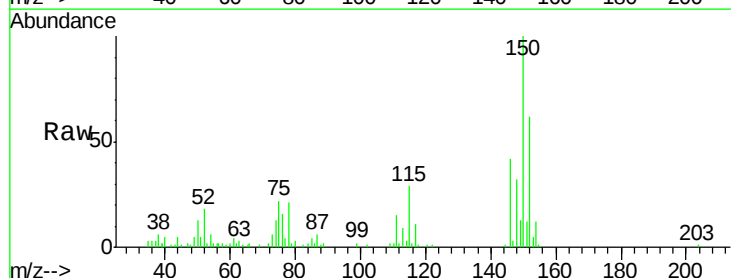
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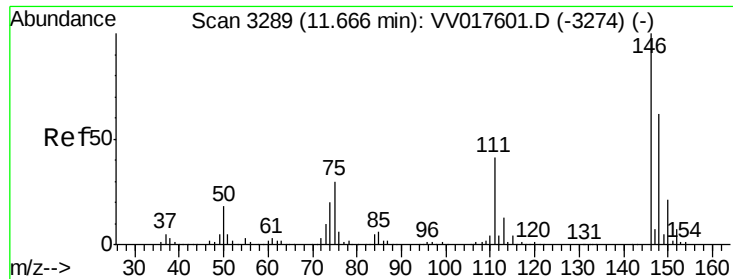
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#64
 1,4-Dichlorobenzene
 Concen: 0.275 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	27.4	51.0
148	77.4	43.8	81.4





#66

1,2-Dichlorobenzene

Concen: 0.298 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

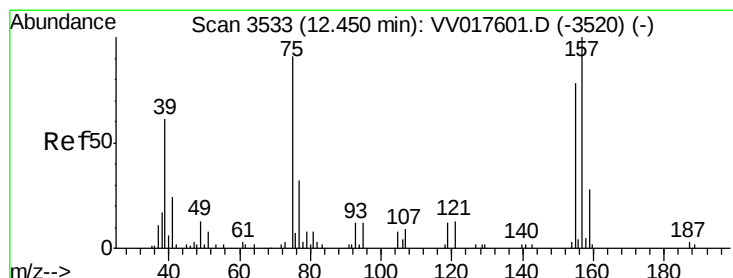
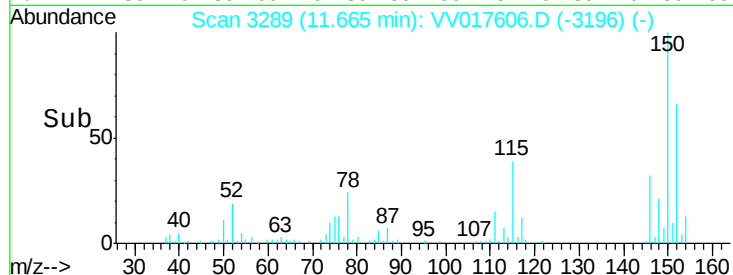
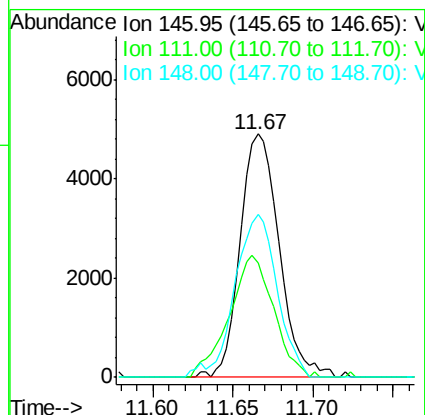
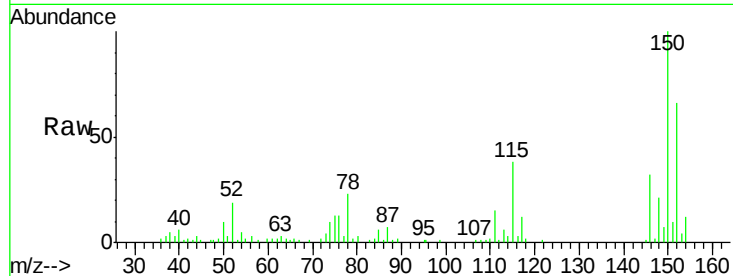
ClientSampled :

MDL01

Tot Ion:	146	Resp:	8145
Ion Ratio	Lower	Upper	
146	100		
111	46.9	33.0	49.4
148	66.7	49.9	74.9

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#67

1,2-Dibromo-3-chloropropane

Concen: 0.427 ug/L

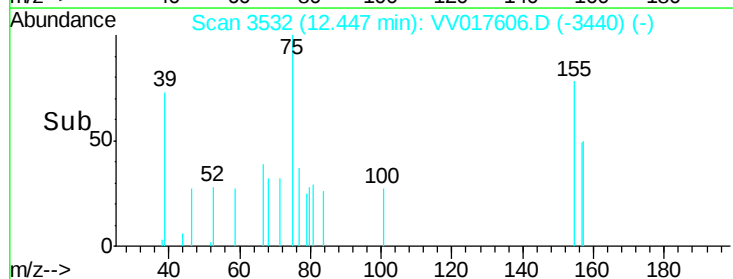
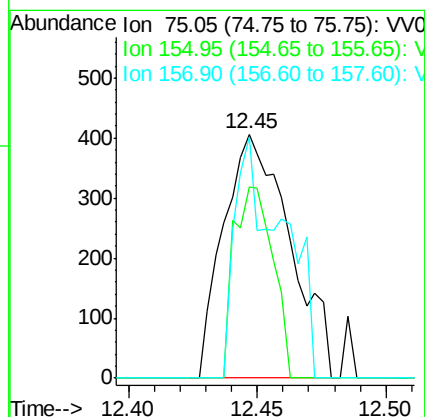
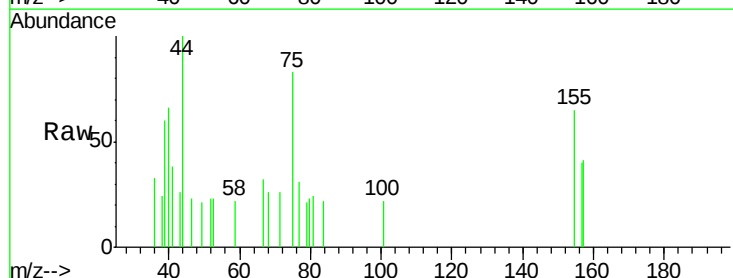
RT: 12.45 min Scan# 3532

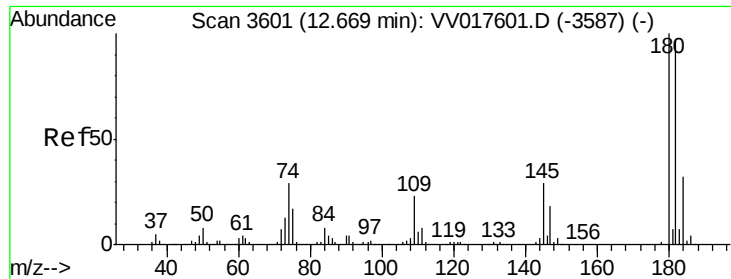
Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Tgt Ion:	75	Resp:	731
Ion Ratio	Lower	Upper	
75	100		
155	78.3	68.7	103.1
157	98.8	87.8	131.8





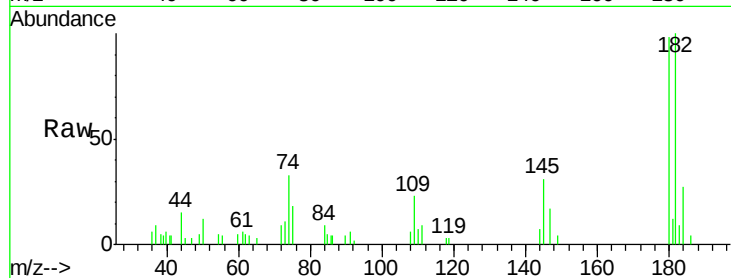
#68
 1,3,5-Trichlorobenzene
 Concen: 0.261 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.9	77.1	115.7
184	30.6	25.2	37.8
145	33.9	24.1	36.1

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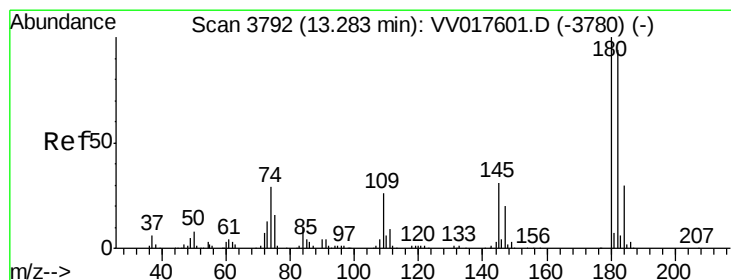
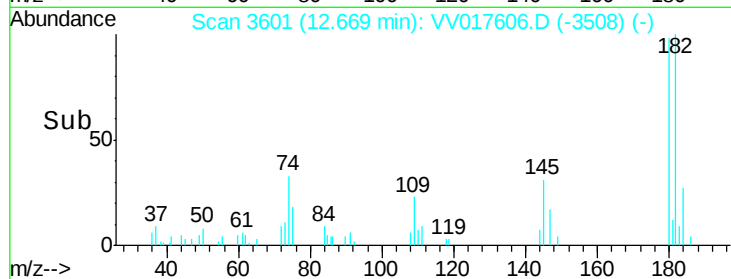
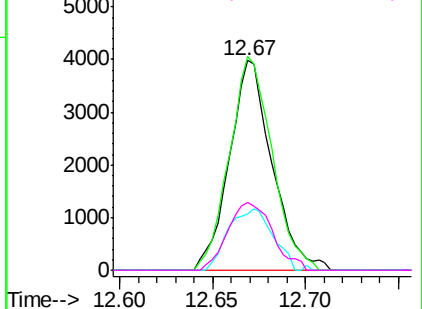
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

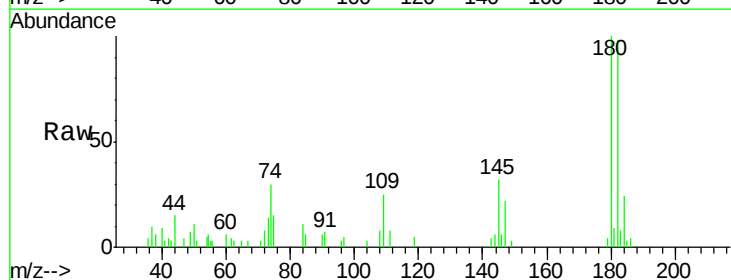
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#69
 1,2,4-trichlorobenzene
 Concen: 0.301 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.2	75.4	113.2
145	30.6	24.2	36.2

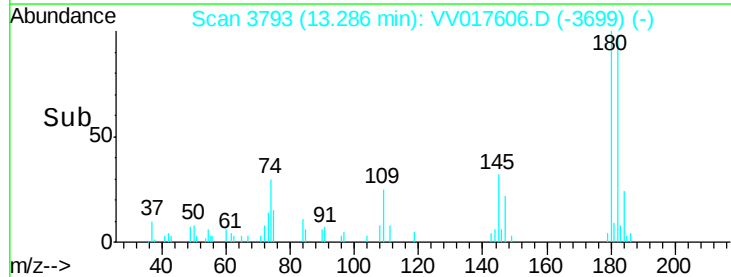
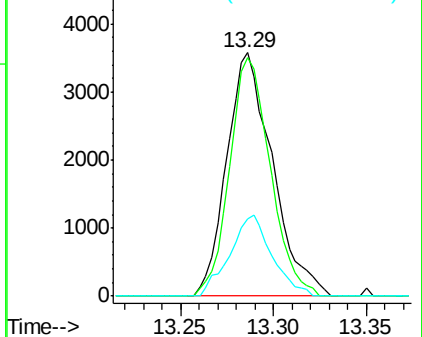


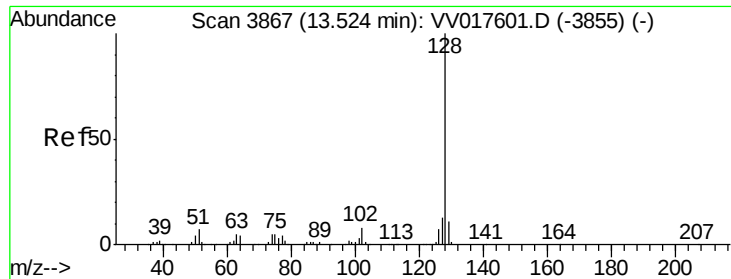
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#70

Naphthalene

Concen: 0.230 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

ClientSampled :

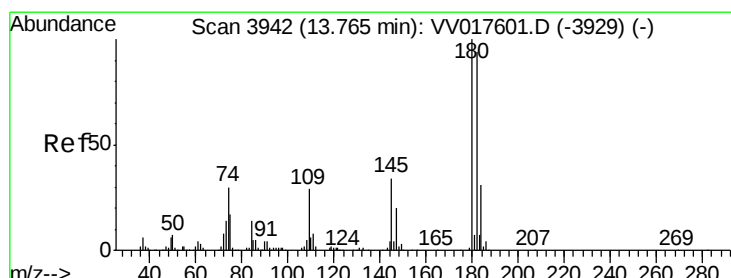
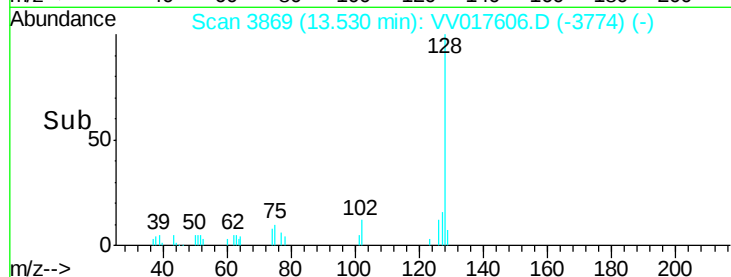
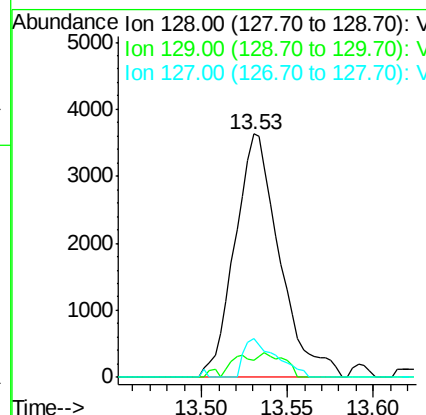
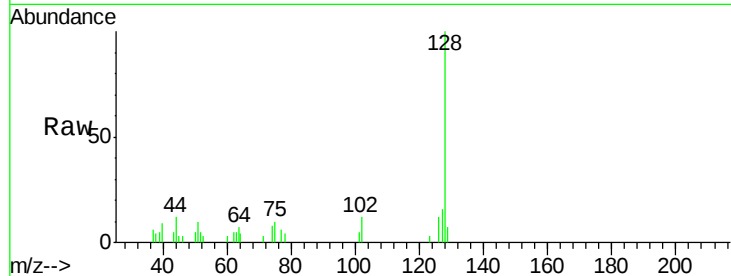
MDL01

Tot Ion	Ratio	Lower	Upper
128	100		
129	5.8	9.1	13.7#
127	11.5	11.0	16.6

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#71

1,2,3-Trichlorobenzene

Concen: 0.237 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	74.2	111.4
145	42.2	26.0	39.0#

