

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017607.D
 Acq On : 23 Jul 2020 16:39
 Operator : SY/MD
 Sample : MDL02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

sam
 7/24/2020 7:04:43 PM

Quant Time: Jul 24 11:59:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 24 02:05:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	181391	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	175562	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	88384	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	41579	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.58	69	33373	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.12	63	68576	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	3.96	46	100321	48.42	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.84%
24) Chloroform-d	4.38	84	101618	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.06	65	55779	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.07	84	191852	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.09	67	54809	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.34	98	175093	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
45) trans-1,3-Dichloropropene-	7.64	79	22669	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
48) 2-Hexanone-d5	8.12	63	69013	45.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.36%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	37049	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	67322	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5417	0.273 ug/L	96
3) Chloromethane	1.24	50	3580	0.277 ug/L	92
5) Vinyl chloride	1.32	62	3465	0.267 ug/L #	69
6) Bromomethane	1.53	94	2433	0.292 ug/L	93
8) Chloroethane	1.60	64	2265	0.303 ug/L	92
9) Trichlorofluoromethane	1.76	101	6004	0.259 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3730	0.345 ug/L	94
12) 1,1-Dichloroethene	2.13	96	3117	0.319 ug/L #	1
13) Acetone	2.23	43	6083m	3.750 ug/L	
14) Carbon disulfide	2.31	76	8474	0.285 ug/L	97
16) Methylene chloride	2.52	84	5001	0.460 ug/L	90
17) Methyl tert-butyl Ether	2.79	73	6801	0.272 ug/L #	88
18) trans-1,2-Dichloroethene	2.78	96	3424	0.322 ug/L	80
19) 1,1-Dichloroethane	3.21	63	5754	0.257 ug/L	97
21) 2-Butanone	4.06	43	7721m	2.819 ug/L	
22) cis-1,2-Dichloroethene	3.95	96	3554	0.265 ug/L	76
23) Bromochloromethane	4.28	128	1563m	0.253 ug/L	

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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	7679	0.306	ug/L	91
27) 1,2-Dichloroethane	5.17	62	4696	0.288	ug/L #	90
29) 1,1,1-Trichloroethane	4.63	97	5942	0.242	ug/L	99
30) Cyclohexane	4.70	56	4556m	0.234	ug/L	
31) Carbon tetrachloride	4.85	117	5614	0.257	ug/L	97
33) Benzene	5.13	78	13205	0.266	ug/L	100
34) Trichloroethene	5.94	95	3763	0.271	ug/L	94
35) Methylcyclohexane	6.15	83	4808	0.229	ug/L	94
37) 1,2-Dichloropropane	6.20	63	3173	0.272	ug/L	97
38) Bromodichloromethane	6.54	83	4524	0.263	ug/L #	80
39) cis-1,3-Dichloropropene	7.06	75	3908m	0.222	ug/L	
40) 4-Methyl-2-pentanone	7.26	43	14113	2.204	ug/L #	86
42) Toluene	7.41	91	13039	0.241	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	11070	0.219	ug/L	94
44) 1,2,4-Trimethylbenzene	10.94	105	10469	0.202	ug/L	96
46) trans-1,3-Dichloropropene	7.68	75	4620	0.292	ug/L	99
47) 1,1,2-Trichloroethane	7.87	97	2046	0.231	ug/L #	70
49) Tetrachloroethene	8.00	164	3019	0.247	ug/L	95
50) 2-Hexanone	8.17	43	15188	3.352	ug/L #	88
51) Dibromochloromethane	8.27	129	2779	0.247	ug/L	95
52) 1,2-Dibromoethane	8.38	107	1860	0.223	ug/L #	76
53) Chlorobenzene	8.91	112	9723	0.269	ug/L	88
54) Ethylbenzene	9.04	91	14449	0.238	ug/L	99
55) m,p-xylene	9.16	106	5615	0.246	ug/L	88
56) o-xylene	9.57	106	5753	0.259	ug/L	81
57) Styrene	9.59	104	8392	0.227	ug/L	95
58) Isopropylbenzene	9.95	105	13639	0.223	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.27	83	2863	0.297	ug/L #	85
62) Bromoform	9.75	173	1529	0.270	ug/L #	88
63) 1,3-Dichlorobenzene	11.21	146	7351	0.258	ug/L	96
64) 1,4-Dichlorobenzene	11.29	146	8278	0.290	ug/L	97
66) 1,2-Dichlorobenzene	11.67	146	7949	0.307	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.47	75	360m	0.222	ug/L	
68) 1,3,5-Trichlorobenzene	12.67	180	6568	0.284	ug/L	94
69) 1,2,4-trichlorobenzene	13.29	180	6014	0.311	ug/L	96
70) Naphthalene	13.53	128	5582	0.207	ug/L #	91
71) 1,2,3-Trichlorobenzene	13.77	180	4176	0.244	ug/L	94

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

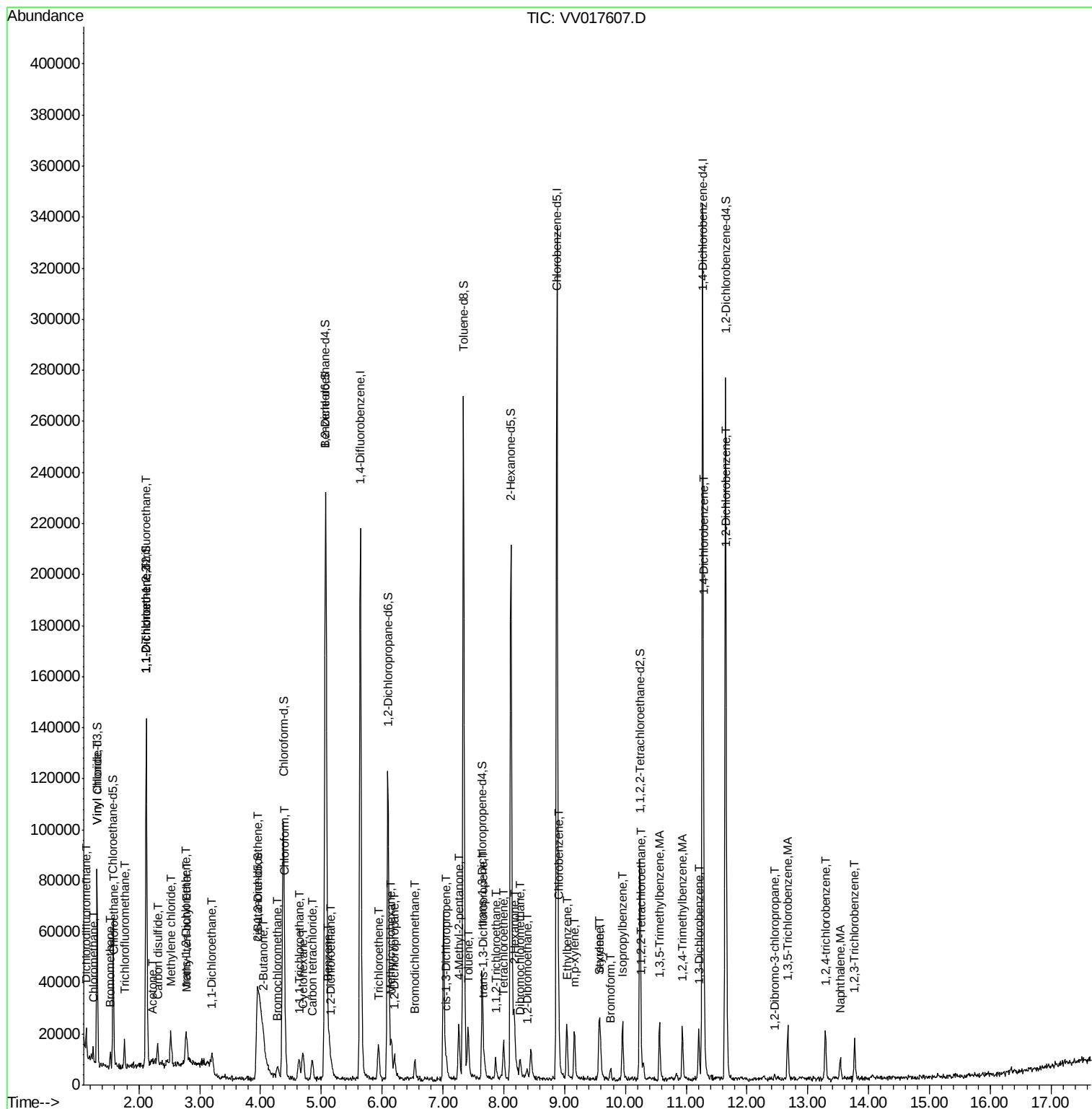
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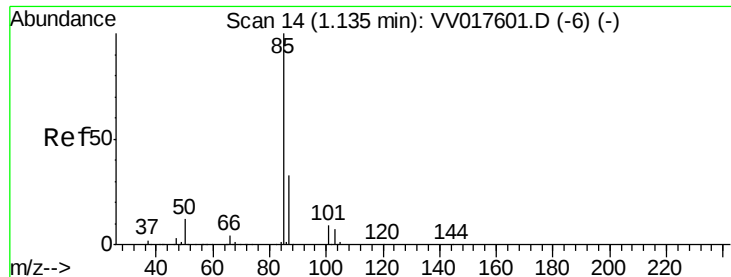
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#2

Dichlorodifluoromethane

Concen: 0.273 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 85 Resp: 5417

Ion Ratio Lower Upper

85 100

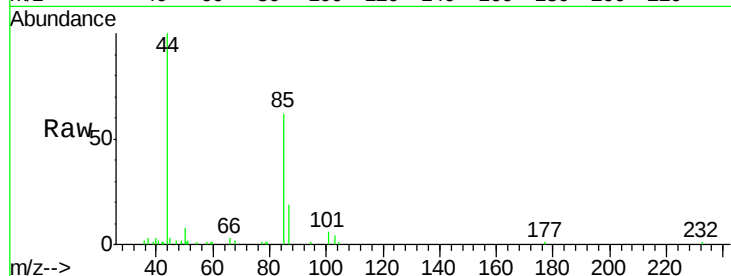
87 30.8 26.4 39.6

Manual Integrations

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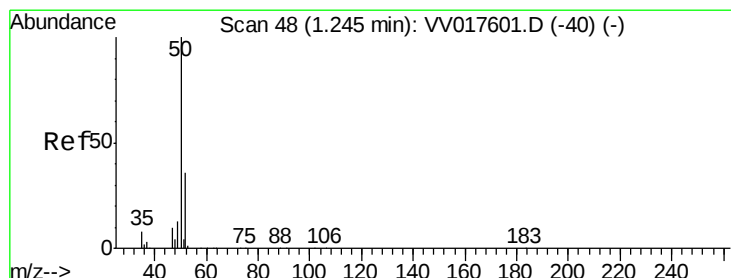
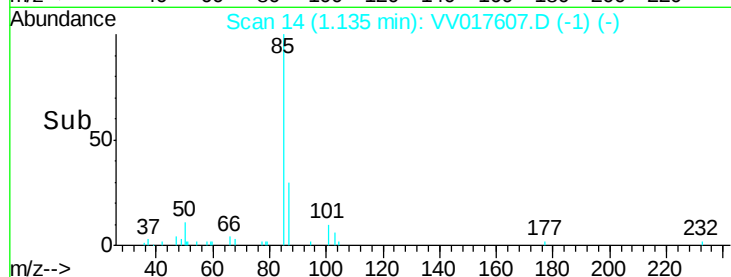
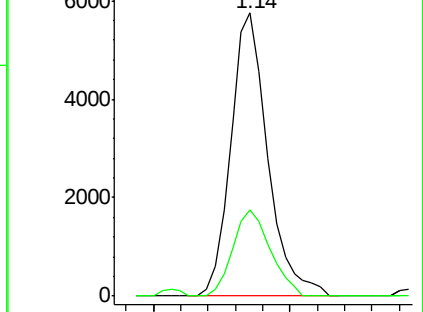
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Abundance Ion 85.00 (84.70 to 85.70): VV017607.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV017607.D (-6) (-)



#3

Chloromethane

Concen: 0.277 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV017607.D

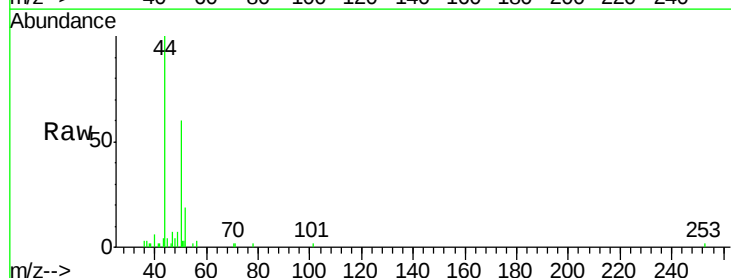
Acq: 23 Jul 2020 16:39

Tgt Ion: 50 Resp: 3580

Ion Ratio Lower Upper

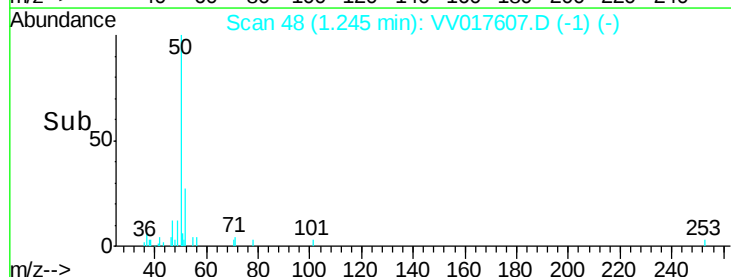
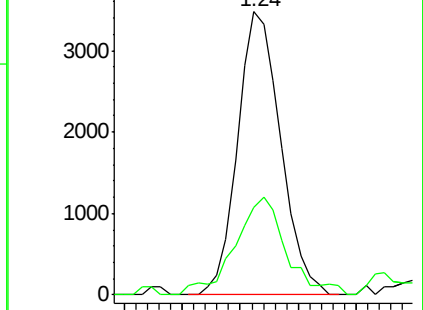
50 100

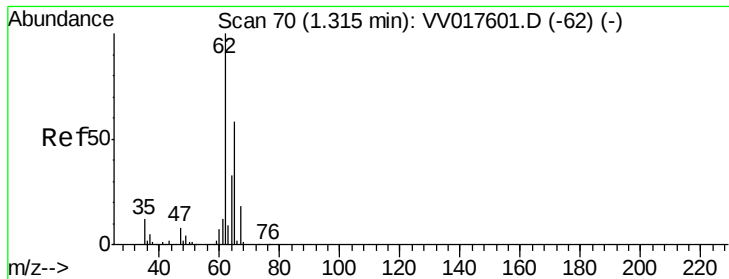
52 31.0 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV017607.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV017607.D (-40) (-)





#5

Vinyl chloride

Concen: 0.267 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 62 Resp: 3465

Ion Ratio Lower Upper

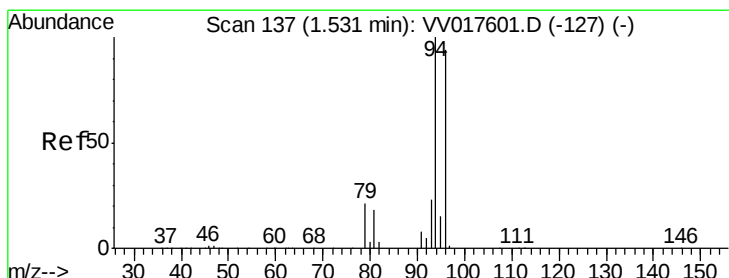
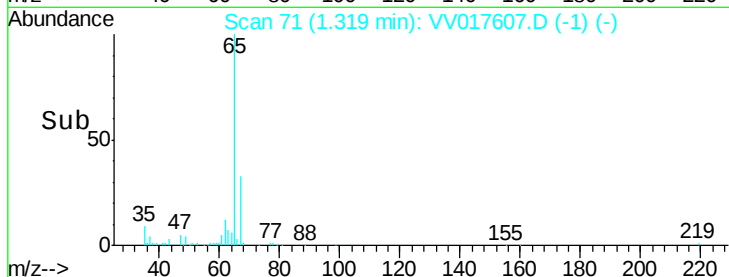
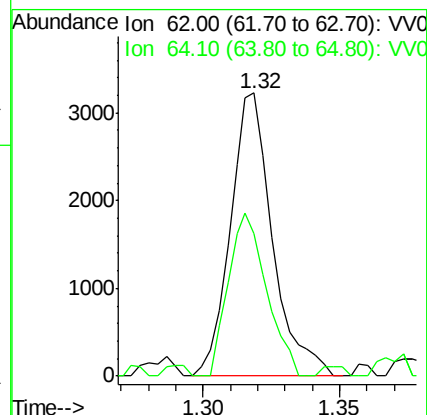
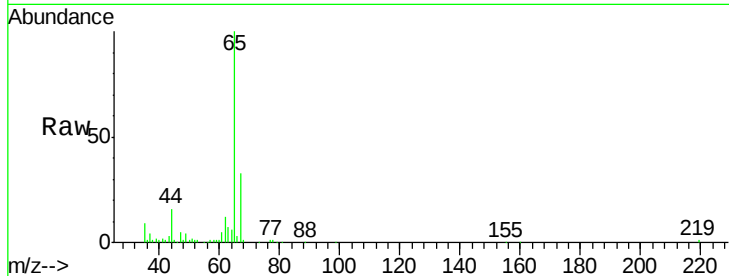
62 100

64 50.4 23.0 42.8#

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#6

Bromomethane

Concen: 0.292 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017607.D

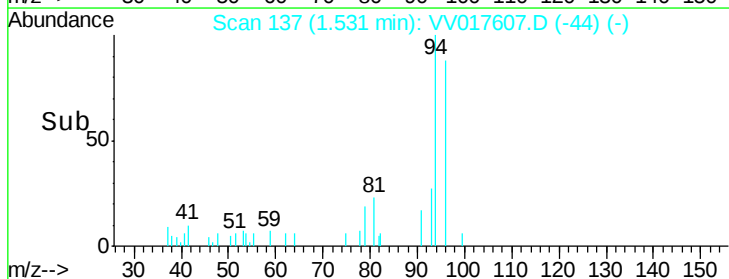
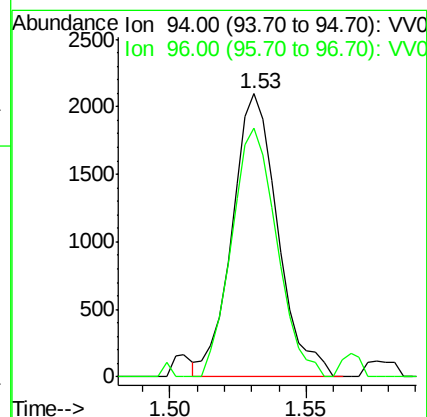
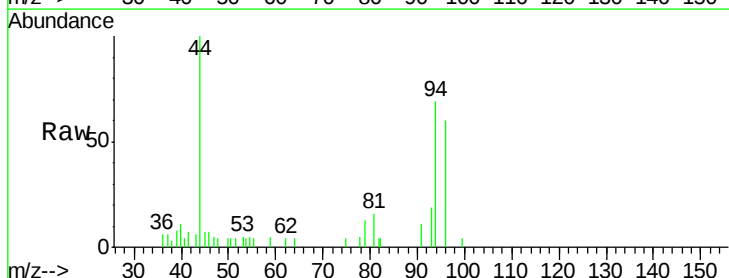
Acq: 23 Jul 2020 16:39

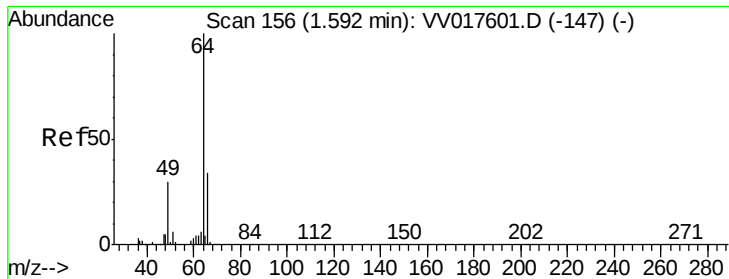
Tgt Ion: 94 Resp: 2433

Ion Ratio Lower Upper

94 100

96 87.8 65.9 122.5





#8

Chloroethane

Concen: 0.303 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 64 Resp: 2265

Ion Ratio Lower Upper

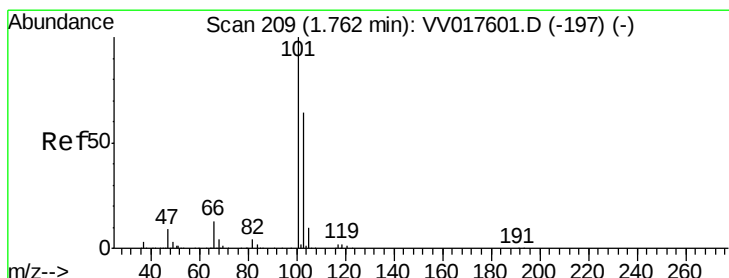
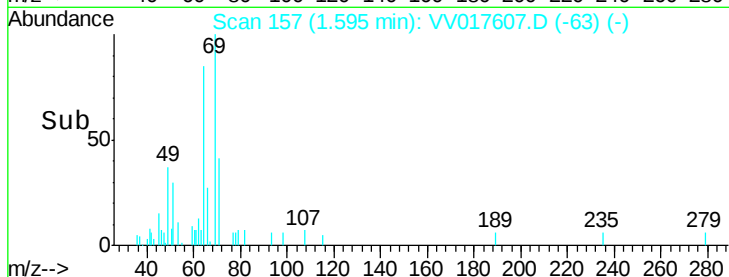
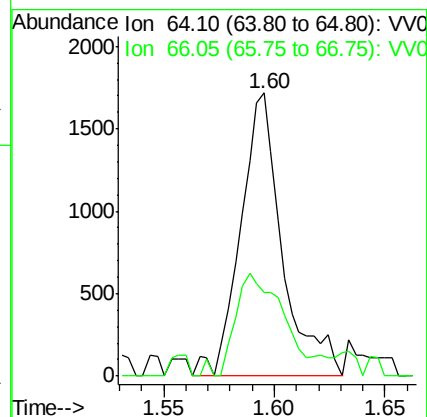
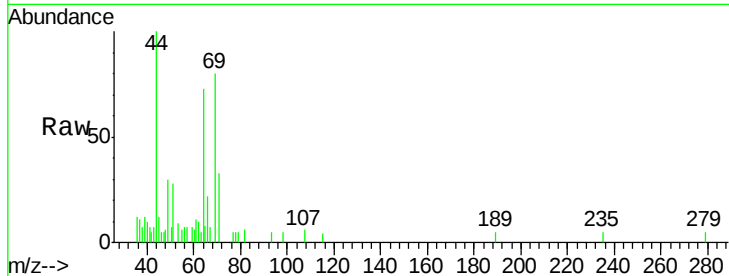
64 100

66 29.6 24.0 44.6

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#9

Trichlorofluoromethane

Concen: 0.259 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV017607.D

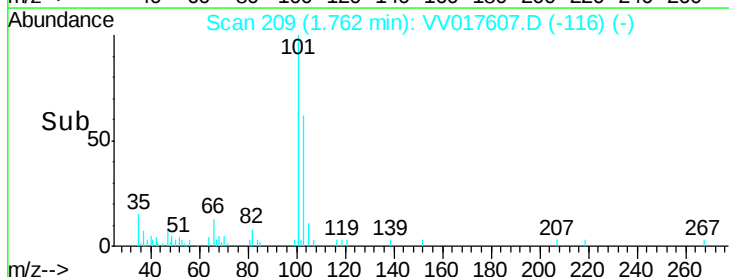
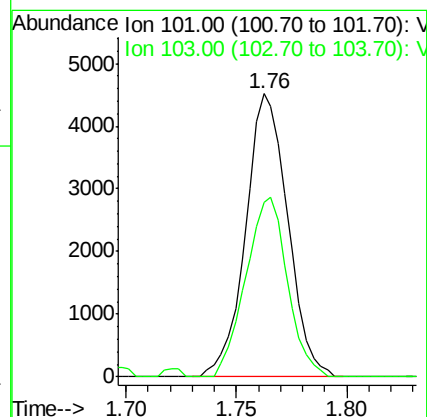
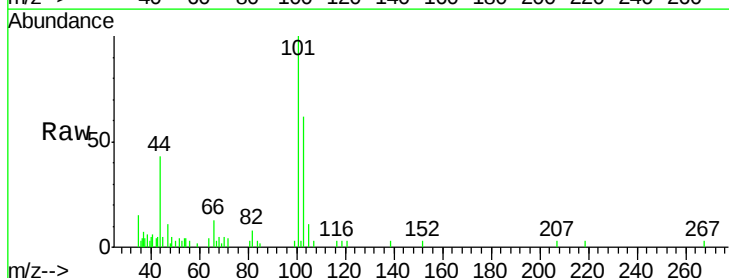
Acq: 23 Jul 2020 16:39

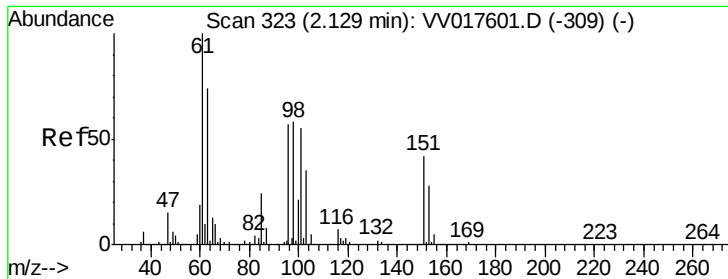
Tgt Ion: 101 Resp: 6004

Ion Ratio Lower Upper

101 100

103 62.9 51.7 77.5





#10

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

Concen: 0.345 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Instrument :

MSVOA_V

ClientSampled :

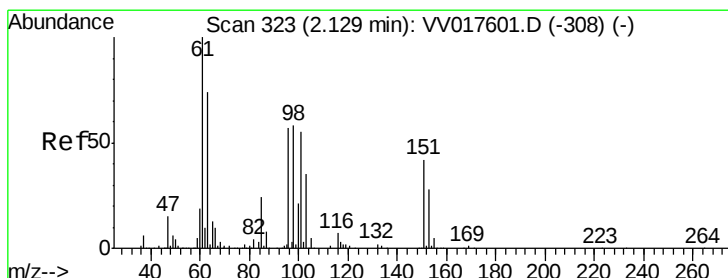
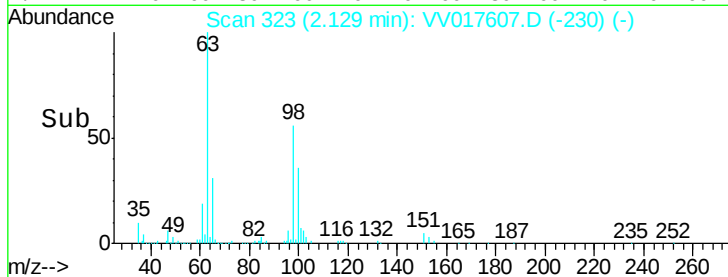
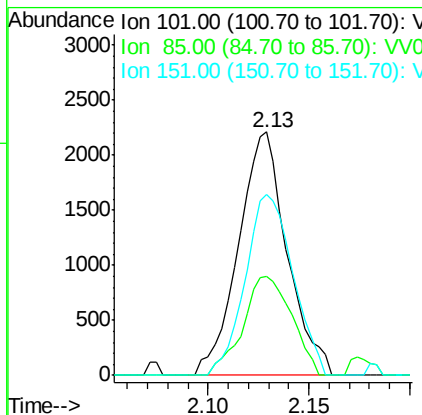
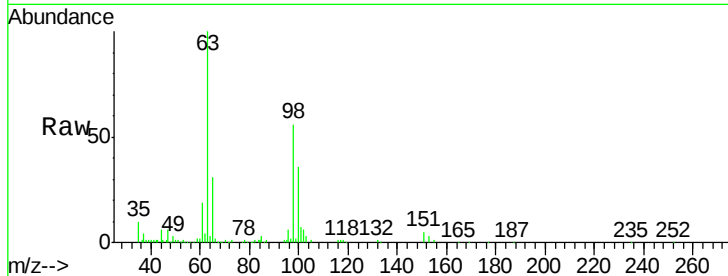
MDL02

Tot Ion:	101	Resp:	3730
Ion Ratio	Lower	Upper	
101	100		
85	40.8	34.6	51.8
151	72.9	63.5	95.3

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#12

1,1-Dichloroethene

Concen: 0.319 ug/L

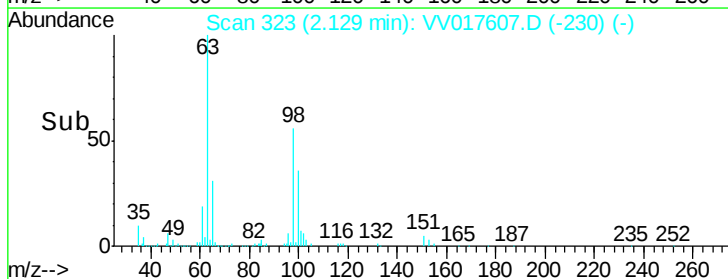
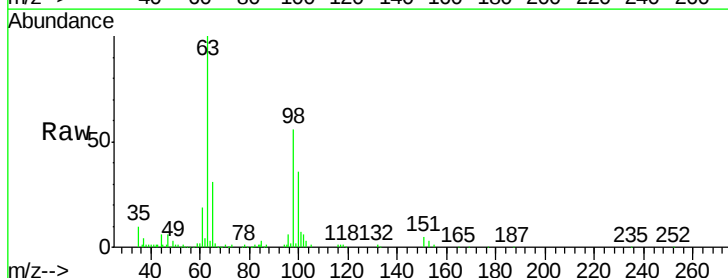
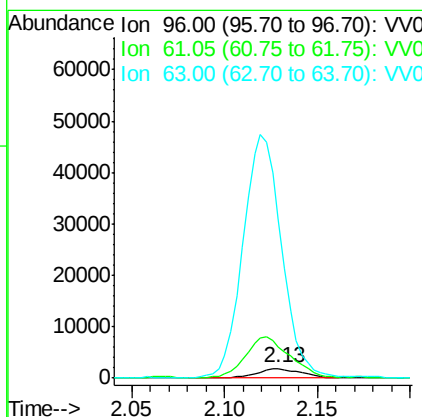
RT: 2.13 min Scan# 323

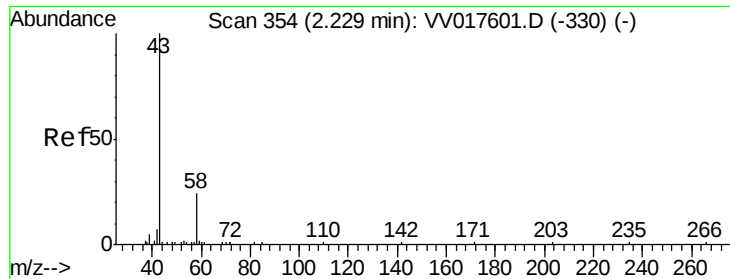
Delta R.T. 0.00 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Tgt Ion:	96	Resp:	3117
Ion Ratio	Lower	Upper	
96	100		
61	322.6	123.1	228.7#
63	1658.9	91.2	169.4#





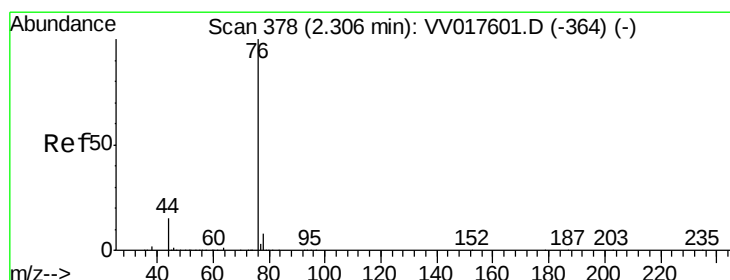
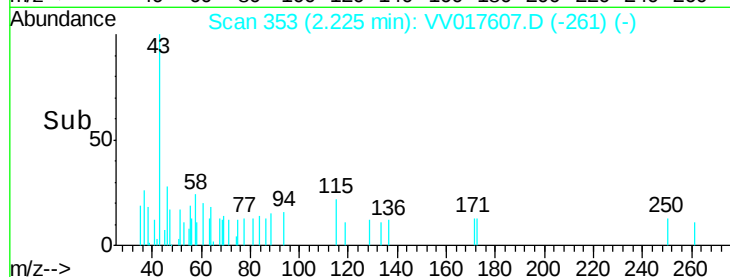
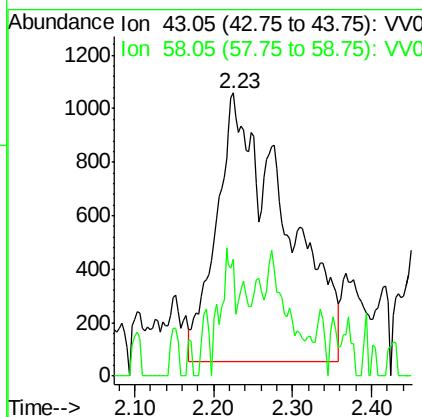
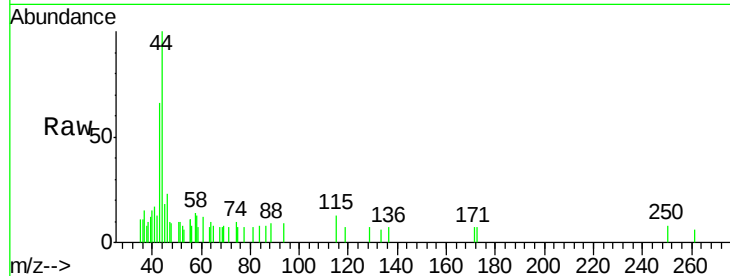
#13
Acetone
Concen: 3.750 ug/L m
RT: 2.23 min Scan# 353
Delta R.T. -0.00 min
Lab File: VV017607.D
Acq: 23 Jul 2020 16:39

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 43 Resp: 6083
Ion Ratio Lower Upper
43 100
58 0.8 0.0 18.6

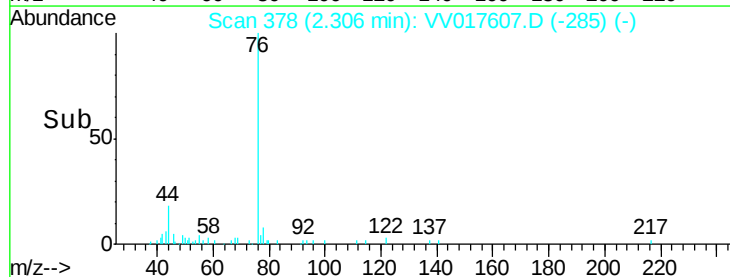
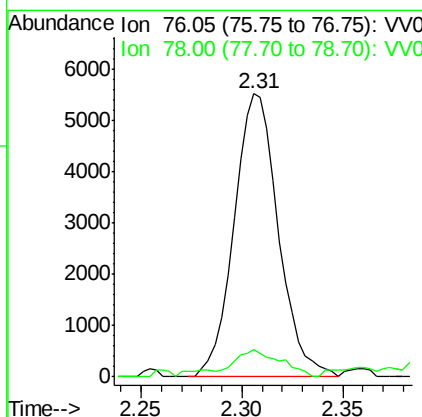
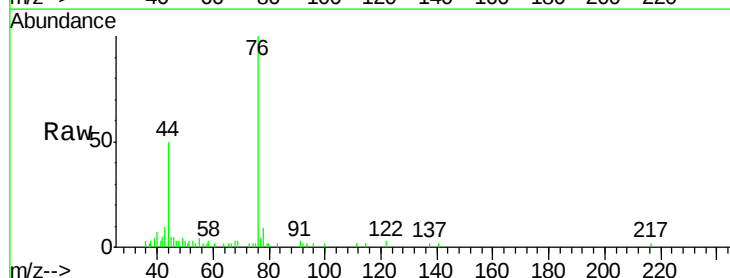
Manual Integrations
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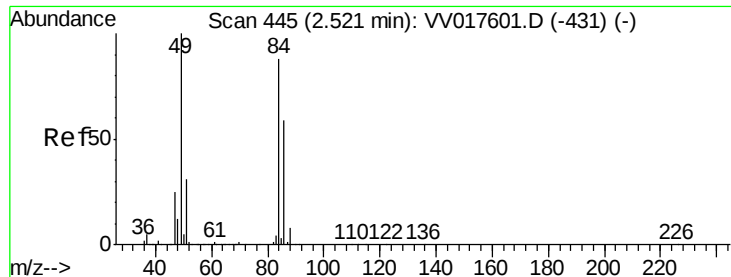
sam
7/24/2020 7:04:43 PM



#14
Carbon disulfide
Concen: 0.285 ug/L
RT: 2.31 min Scan# 378
Delta R.T. 0.00 min
Lab File: VV017607.D
Acq: 23 Jul 2020 16:39

Tgt Ion: 76 Resp: 8474
Ion Ratio Lower Upper
76 100
78 9.5 6.6 10.0





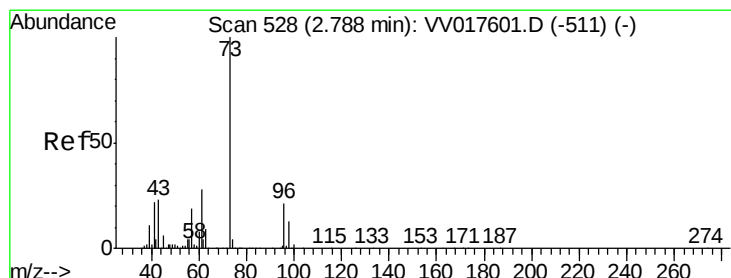
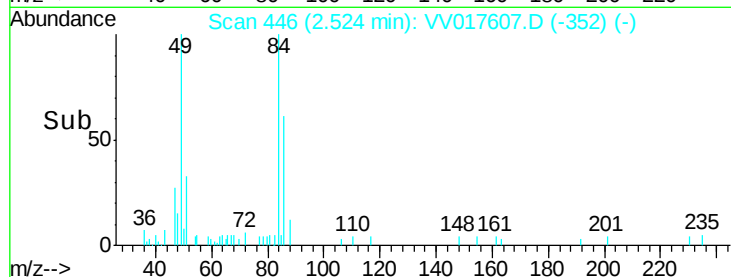
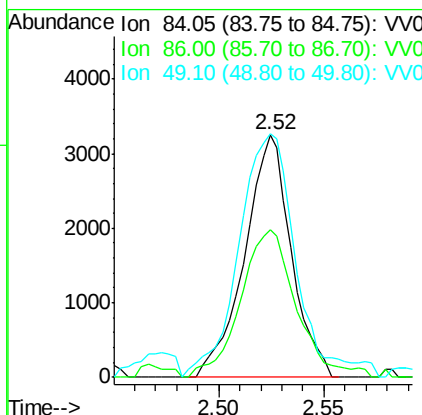
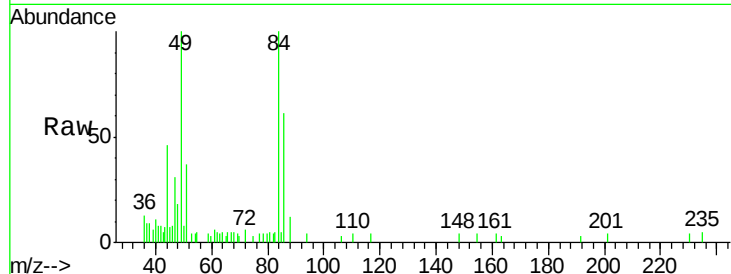
#16
Methylene chloride
Concen: 0.460 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017607.D
Acq: 23 Jul 2020 16:39

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
84	100		
86	60.7	46.5	86.3
49	100.2	79.2	147.2

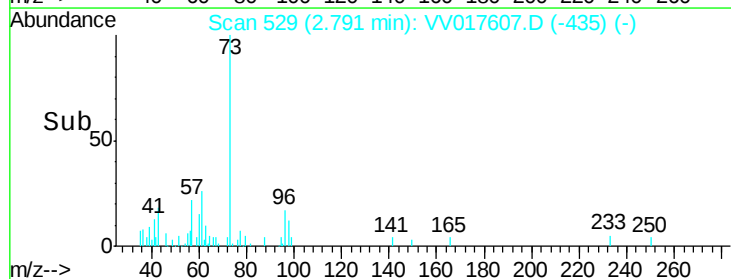
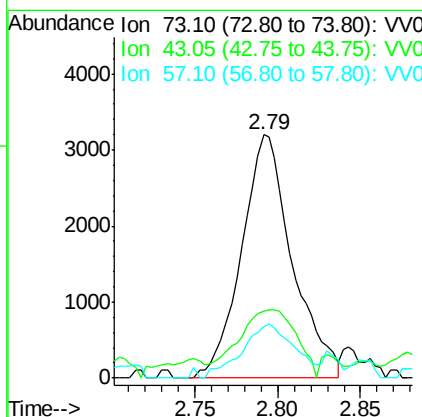
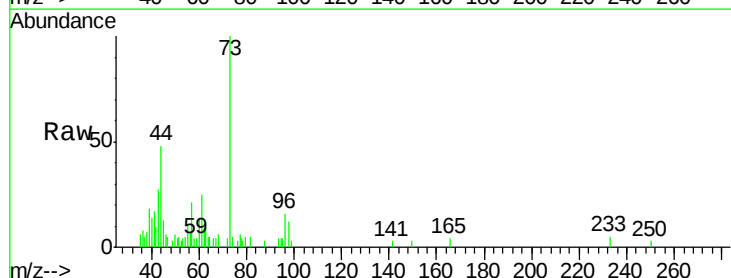
Manual Integrations
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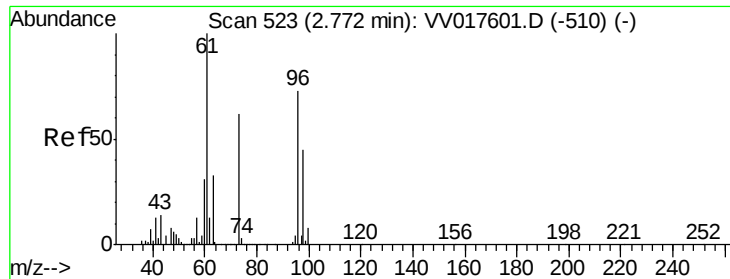
sam
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#17
Methyl tert-butyl Ether
Concen: 0.272 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017607.D
Acq: 23 Jul 2020 16:39

Tgt Ion	Ratio	Lower	Upper
73	100		
43	32.5	18.3	27.5#
57	22.9	16.7	25.1





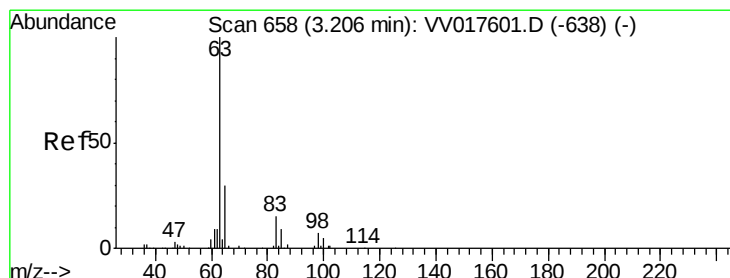
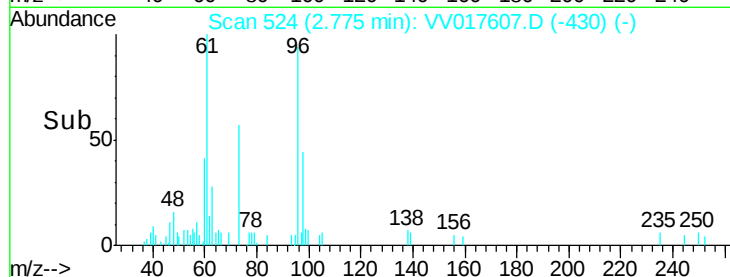
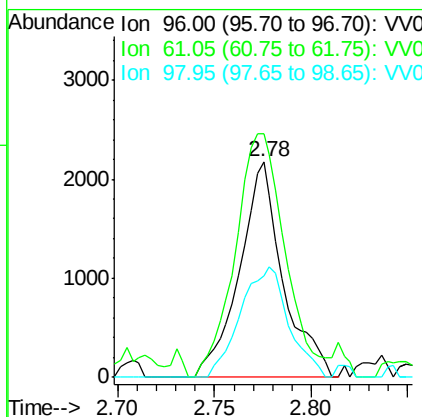
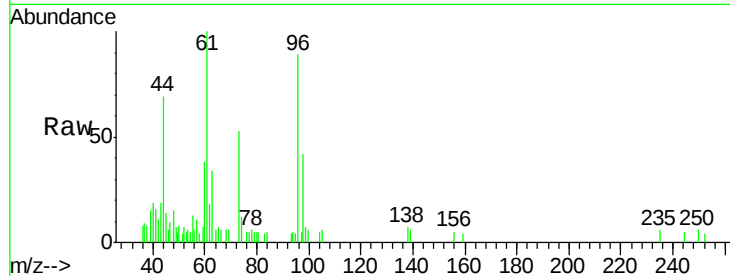
#18
trans-1,2-Dichloroethene
Concen: 0.322 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV017607.D
Acq: 23 Jul 2020 16:39

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
96	100		
61	112.7	96.0	178.4
98	47.3	43.5	80.9

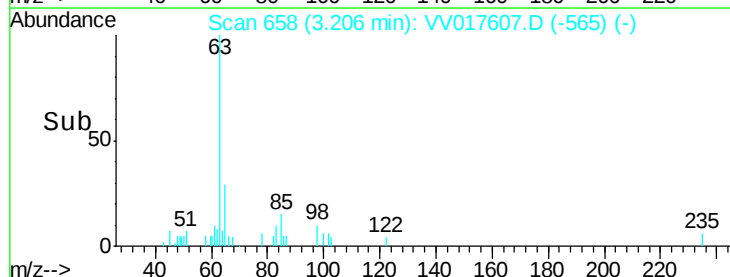
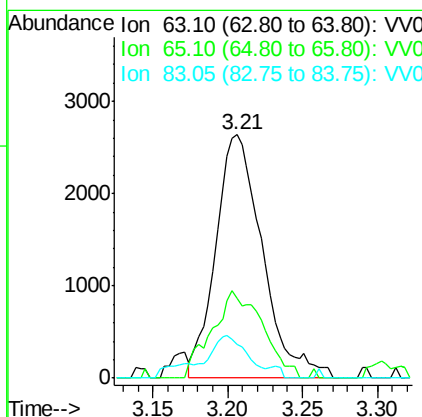
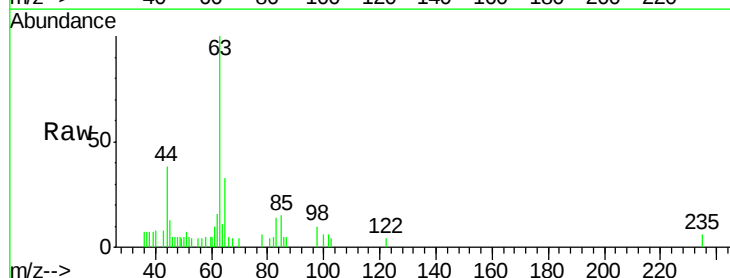
Manual Integrations
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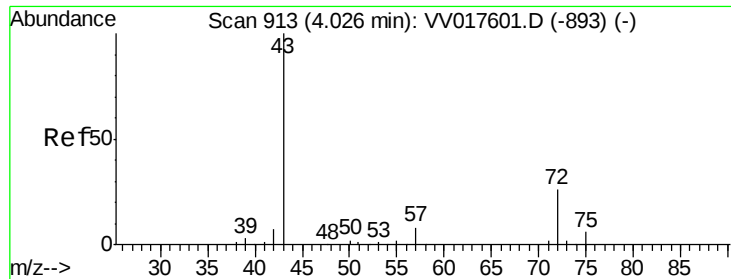
sam
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#19
1,1-Dichloroethane
Concen: 0.257 ug/L
RT: 3.21 min Scan# 658
Delta R.T. 0.00 min
Lab File: VV017607.D
Acq: 23 Jul 2020 16:39

Tgt Ion	Ratio	Lower	Upper
63	100		
65	29.4	21.4	39.8
83	12.5	10.4	19.4





#21

2-Butanone

Concen: 2.819 ug/L m

RT: 4.06 min Scan# 923

Delta R.T. 0.03 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 43 Resp: 7721

Ion Ratio Lower Upper

43 100

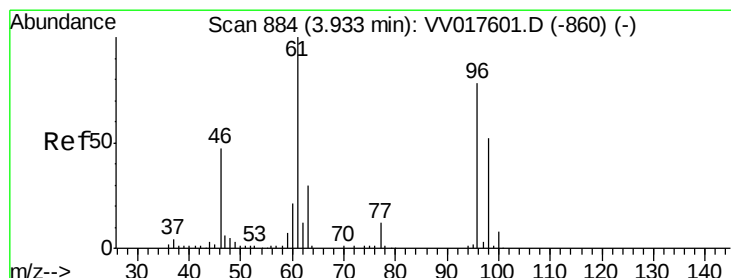
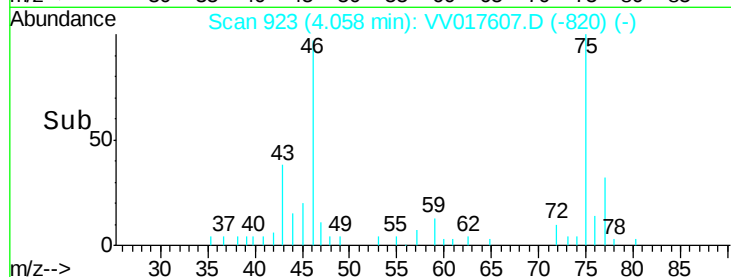
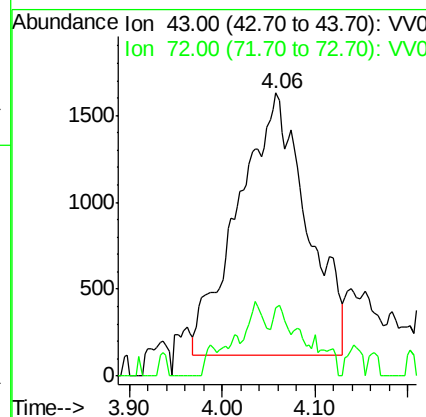
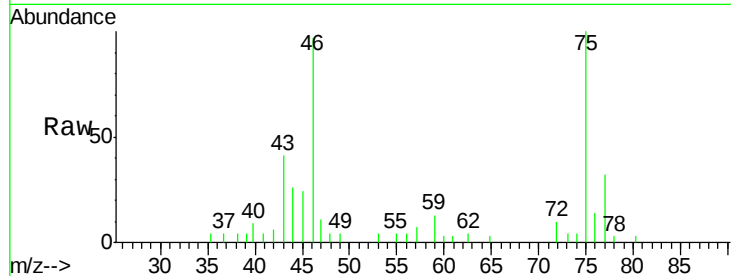
72 2.1 13.0 38.9#

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 0.265 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

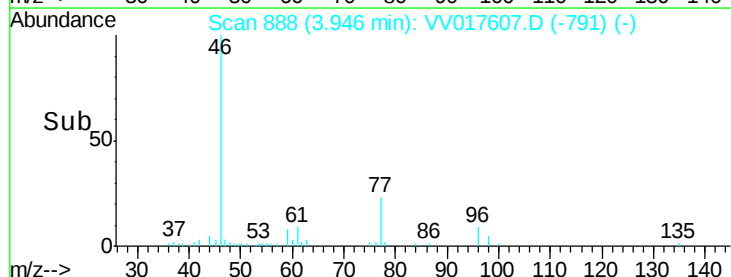
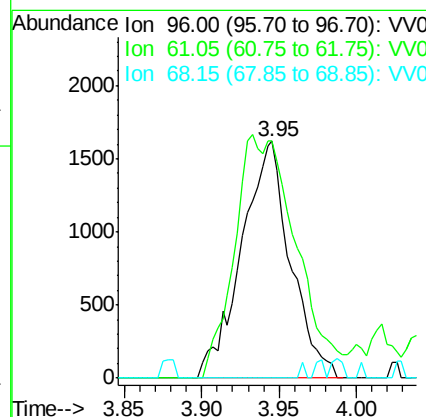
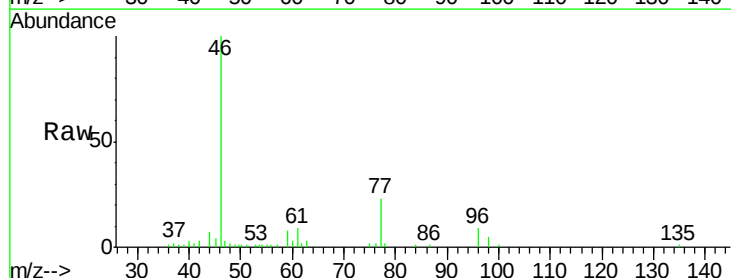
Tgt Ion: 96 Resp: 3554

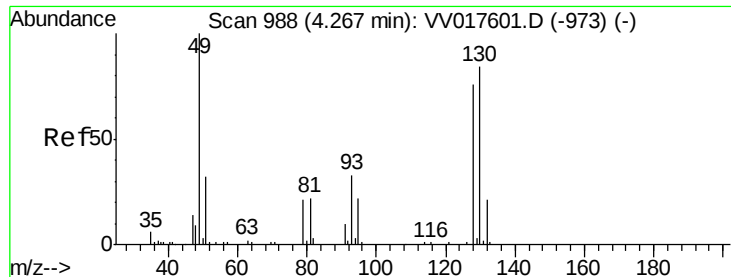
Ion Ratio Lower Upper

96 100

61 100.1 89.6 166.4

68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 0.253 ug/L m

RT: 4.28 min Scan# 993

Delta R.T. 0.02 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Instrument :

MSVOA_V

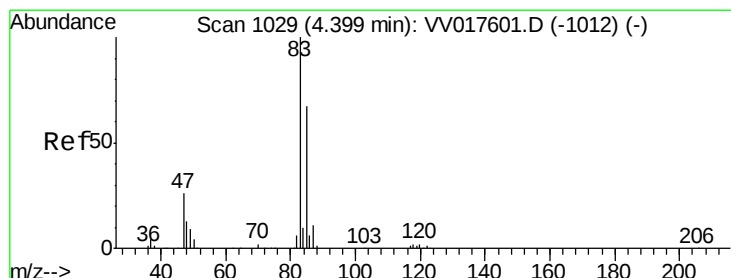
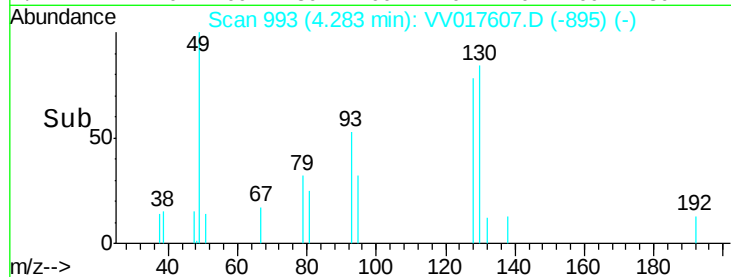
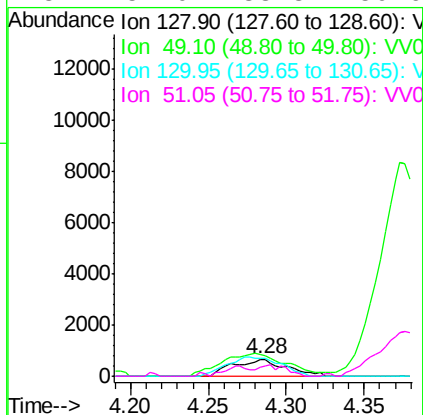
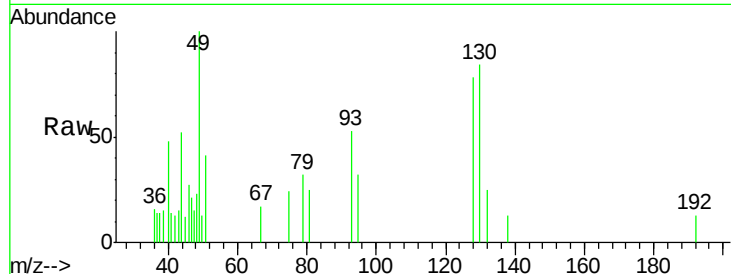
ClientSampleId :

MDL02

Tot Ion:	128	Resp:	1563
Ion	Ratio	Lower	Upper
128	100		
49	127.5	92.2	171.2
130	106.5	77.2	143.4
51	52.0	33.8	50.6#

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#25

Chloroform

Concen: 0.306 ug/L

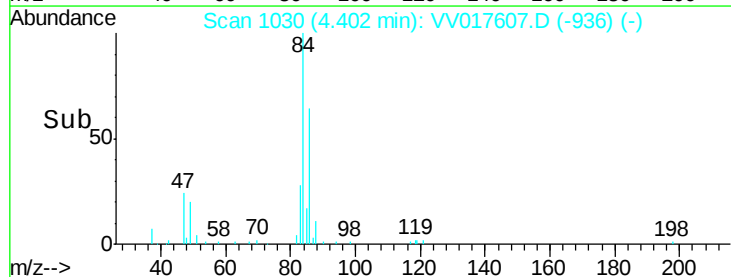
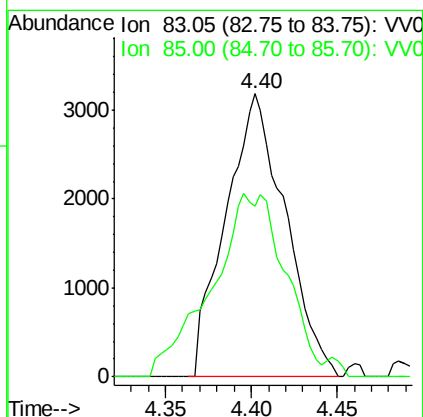
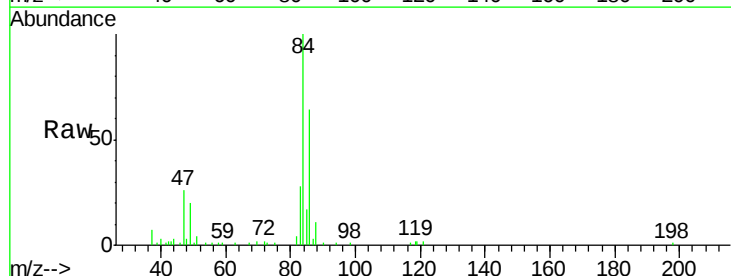
RT: 4.40 min Scan# 1030

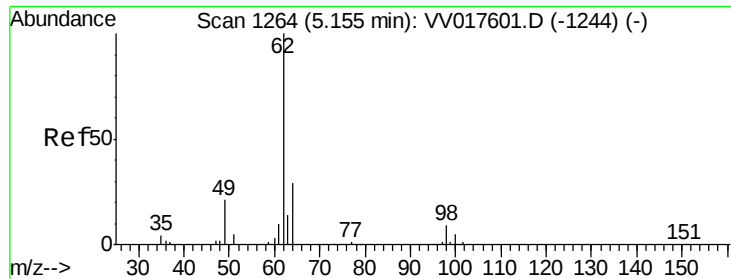
Delta R.T. 0.00 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Tgt Ion:	83	Resp:	7679
Ion	Ratio	Lower	Upper
83	100		
85	60.5	47.3	87.9





#27

1,2-Dichloroethane

Concen: 0.288 ug/L

RT: 5.17 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 62 Resp: 4696

Ion Ratio Lower Upper

62 100

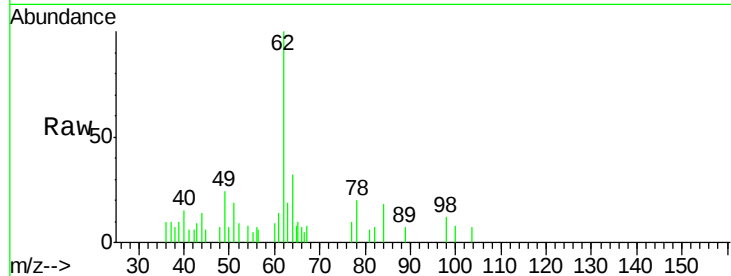
98 12.4 7.0 10.6#

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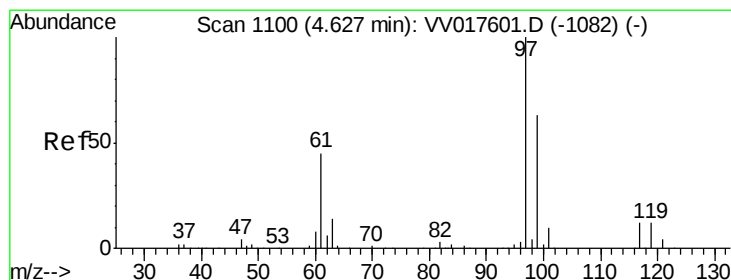
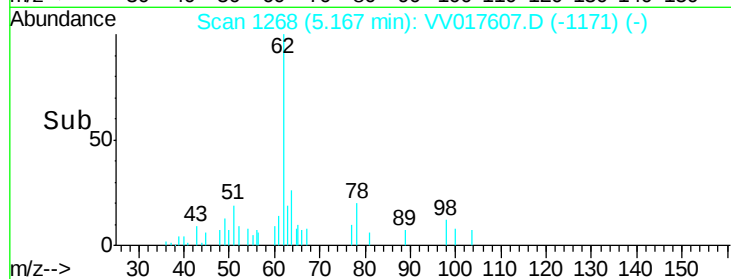
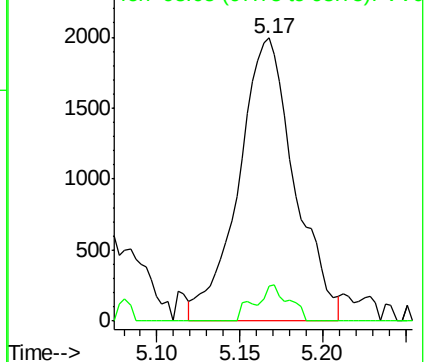
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#29

1,1,1-Trichloroethane

Concen: 0.242 ug/L

RT: 4.63 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

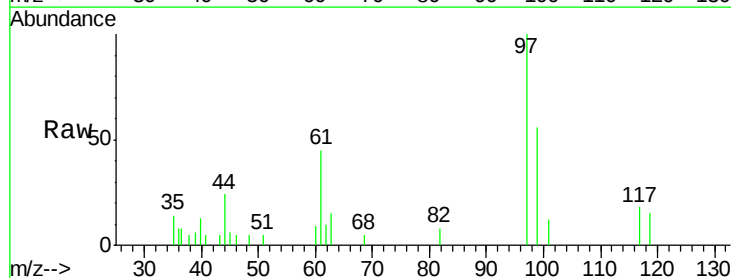
Tgt Ion: 97 Resp: 5942

Ion Ratio Lower Upper

97 100

99 61.9 50.6 76.0

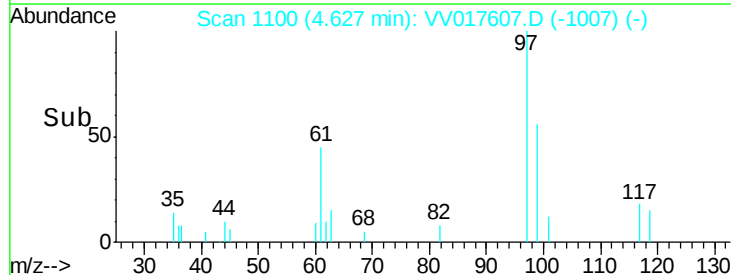
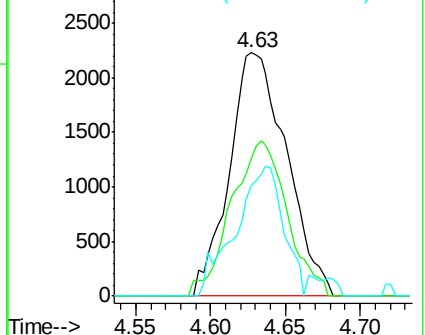
61 44.6 35.7 53.5

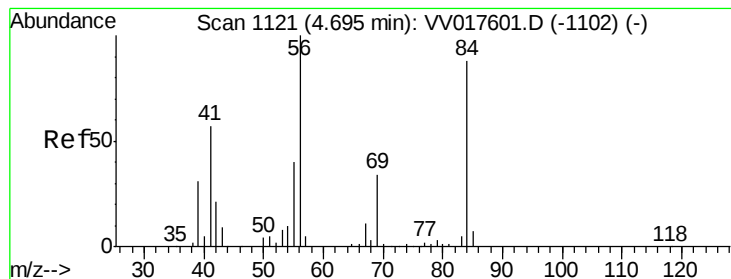


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0





#30

Cyclohexane

Concen: 0.234 ug/L m

RT: 4.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Instrument :

MSVOA_V

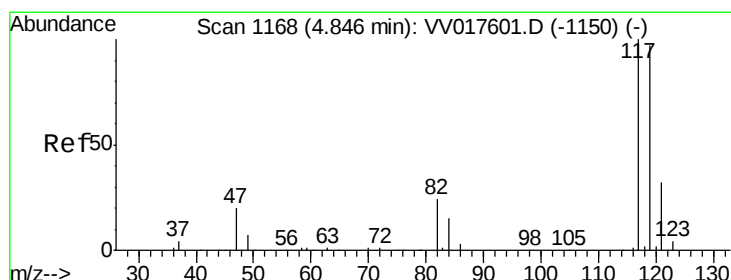
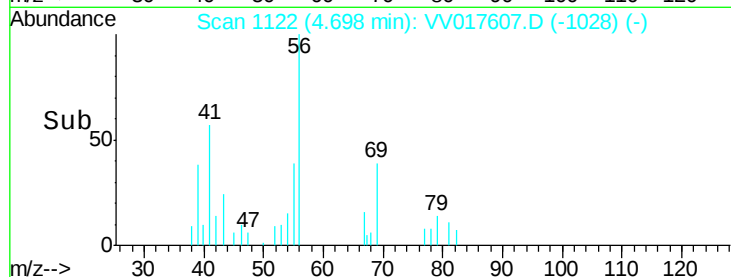
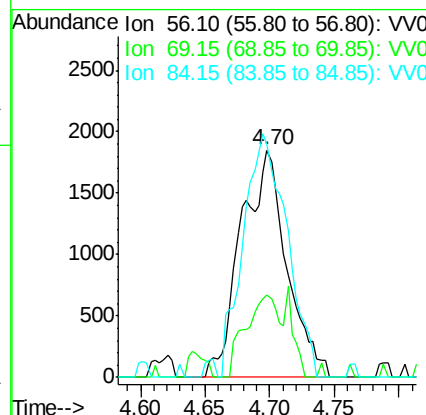
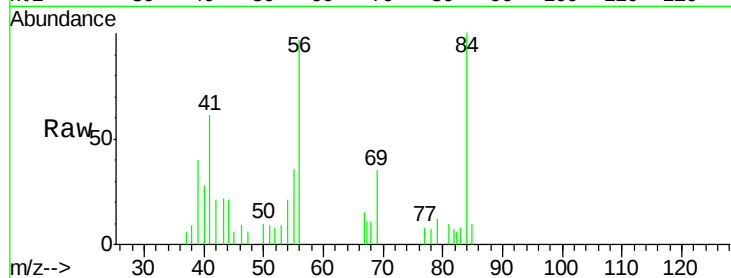
ClientSampled :

MDL02

Tot Ion: 56 Resp: 4556
 Ion Ratio Lower Upper
 56 100
 69 26.9 25.4 38.2
 84 102.5 73.0 109.4

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#31

Carbon tetrachloride

Concen: 0.257 ug/L

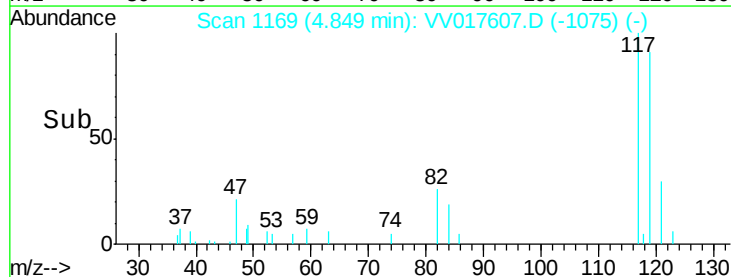
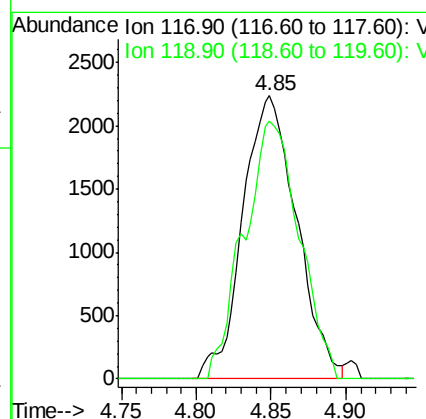
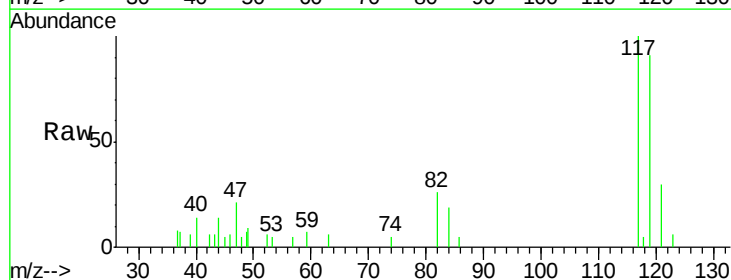
RT: 4.85 min Scan# 1169

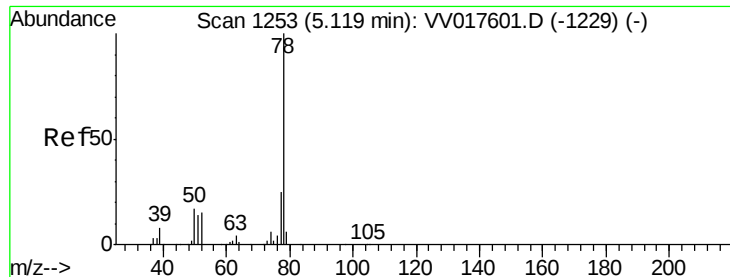
Delta R.T. 0.00 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Tgt Ion: 117 Resp: 5614
 Ion Ratio Lower Upper
 117 100
 119 93.5 76.9 115.3





#33

Benzene

Concen: 0.266 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Instrument :

MSVOA_V

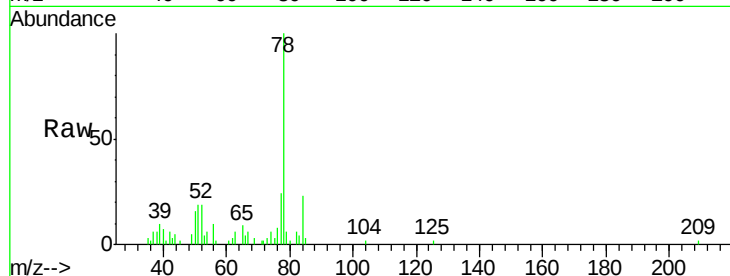
ClientSampleId :

MDL02

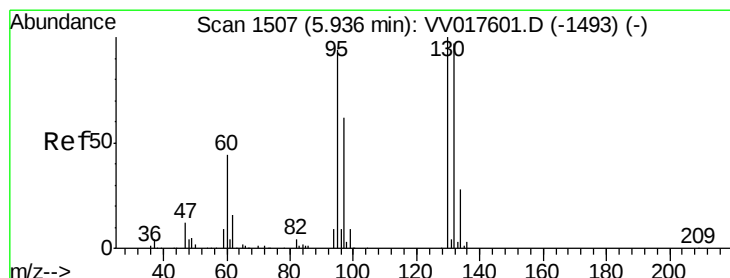
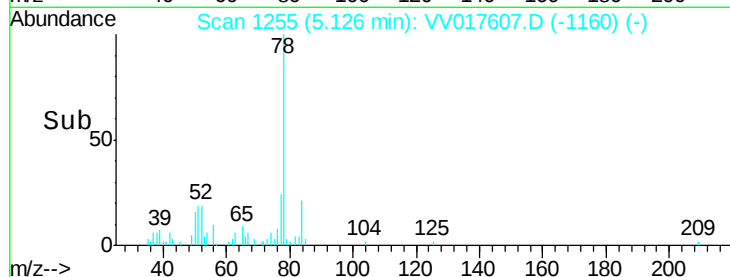
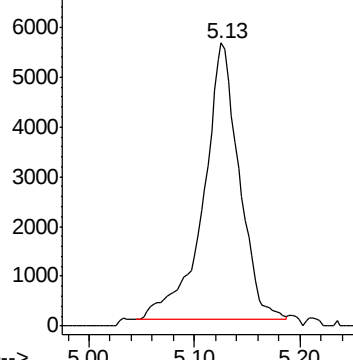
Tgt Ion: 78 Resp: 13205

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Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.271 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Tgt Ion: 95 Resp: 3763

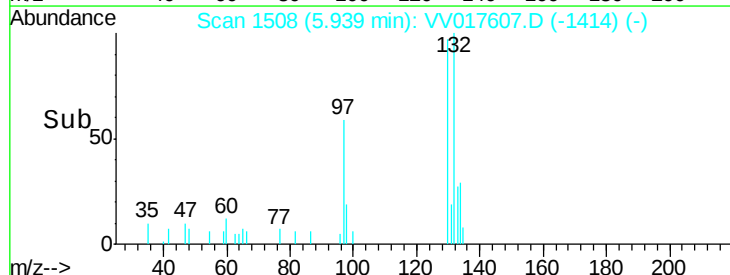
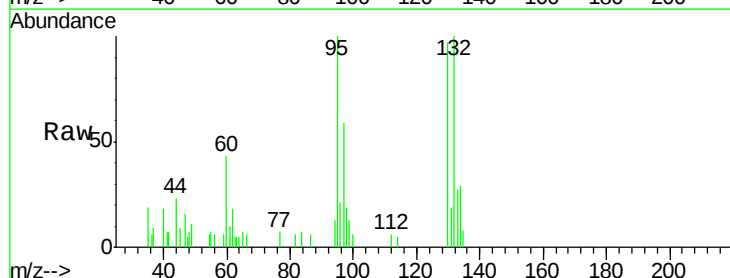
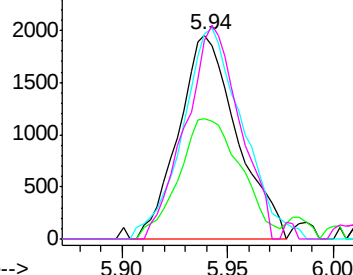
Ion	Ratio	Lower	Upper
95	100		
97	59.3	46.1	85.5
132	100.3	71.7	133.1
130	97.2	74.3	137.9

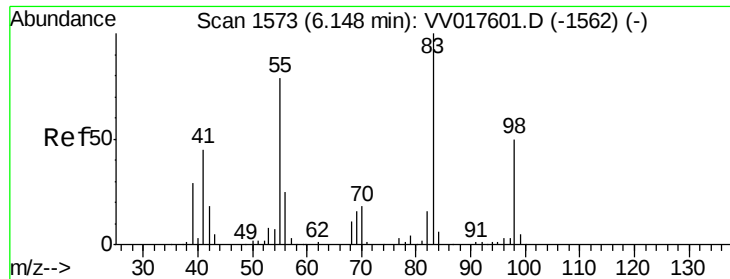
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





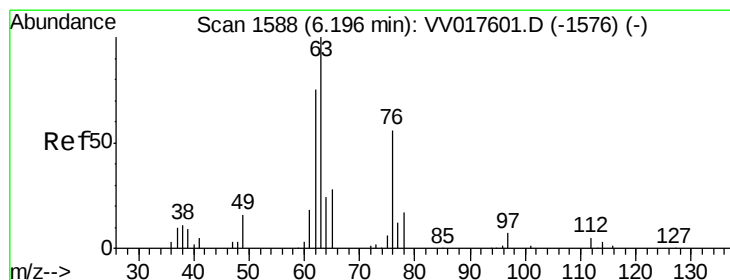
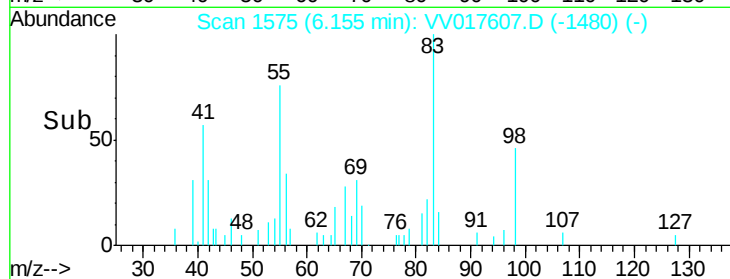
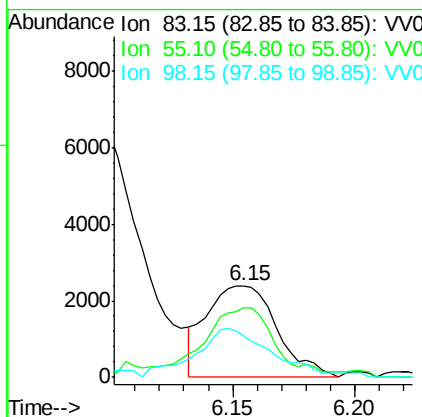
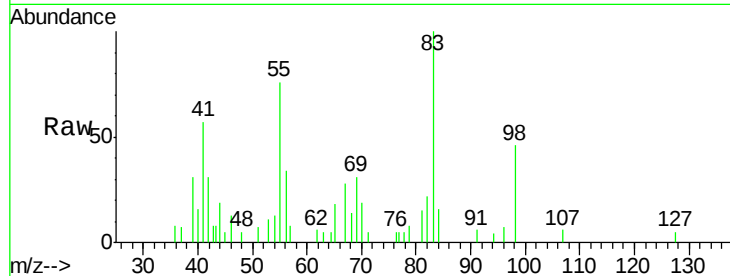
#35
Methvlcvclohexane
Concen: 0.229 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VV017607.D
Acq: 23 Jul 2020 16:39

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.6	61.8	92.8
98	58.3	39.0	58.6

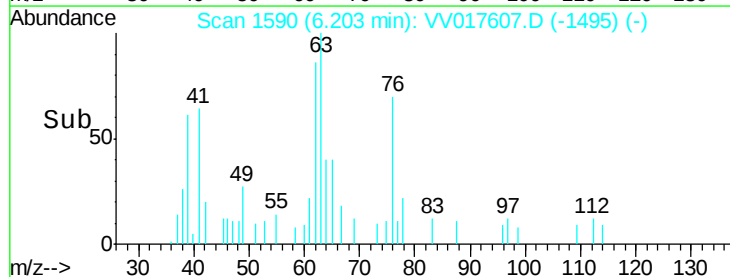
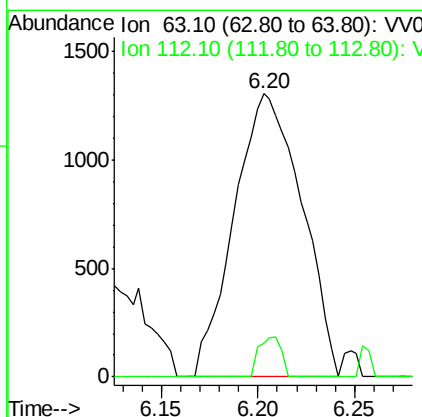
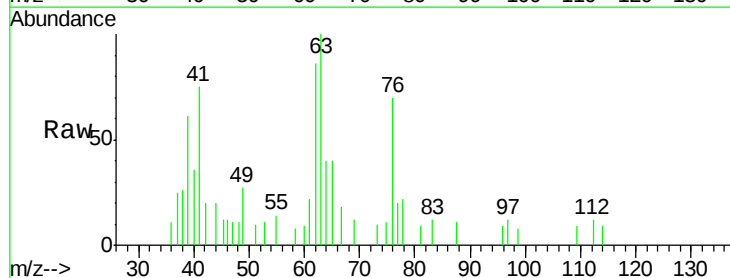
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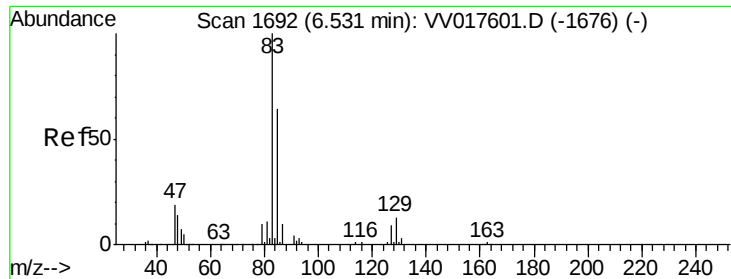
sam
7/24/2020 7:04:43 PM



#37
1,2-Dichloropropane
Concen: 0.272 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VV017607.D
Acq: 23 Jul 2020 16:39

Tgt Ion	Ratio	Lower	Upper
63	100		
112	4.7	4.5	6.7





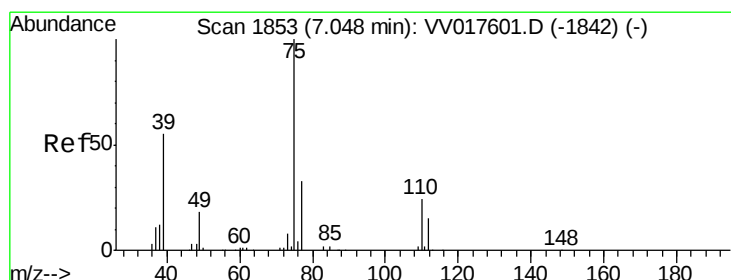
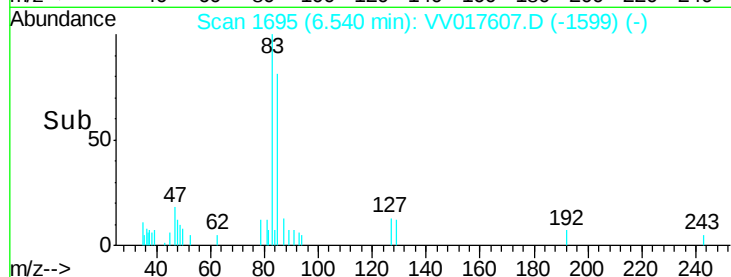
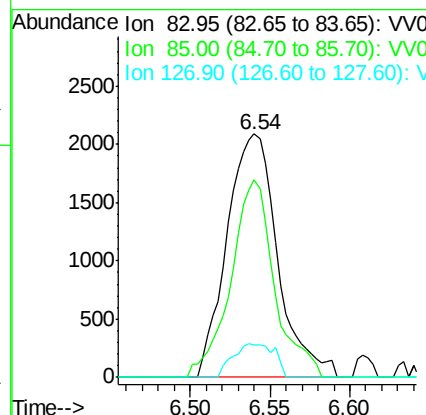
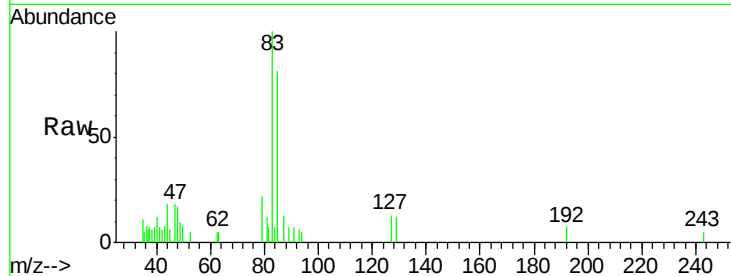
#38
 Bromodichloromethane
 Concen: 0.263 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV017607.D
 Acq: 23 Jul 2020 16:39

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	83	Resp	4524
Ion Ratio	100	Lower	Upper
83	100		
85	80.9	44.7	83.1
127	13.2	7.4	11.0#

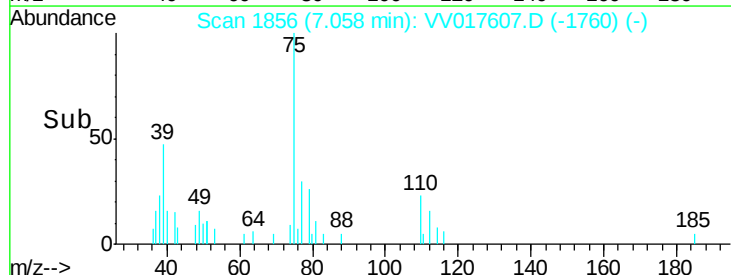
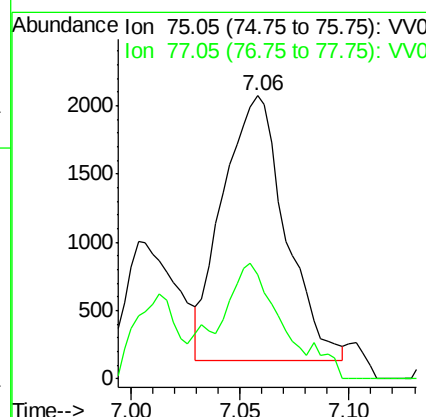
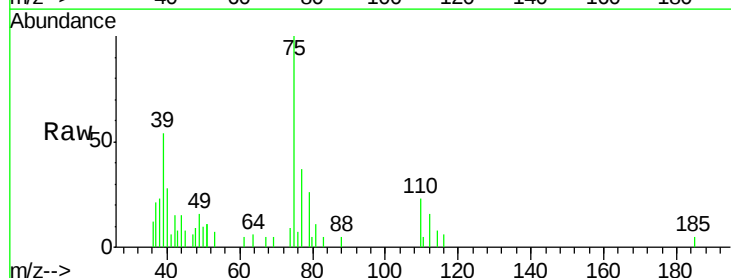
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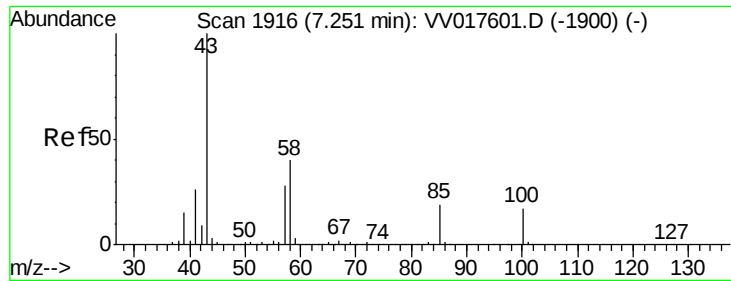
sam
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#39
 cis-1,3-Dichloropropene
 Concen: 0.222 ug/L m
 RT: 7.06 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VV017607.D
 Acq: 23 Jul 2020 16:39

Tgt Ion	75	Resp	3908
Ion Ratio	100	Lower	Upper
75	100		
77	36.8	23.2	43.2





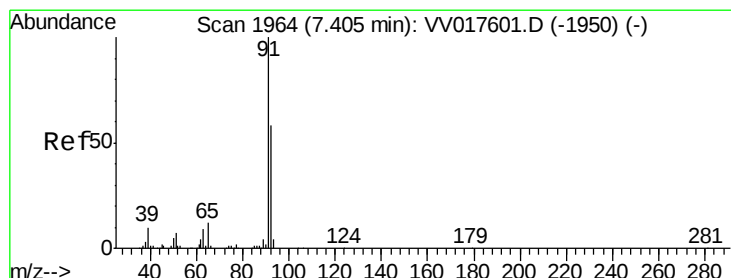
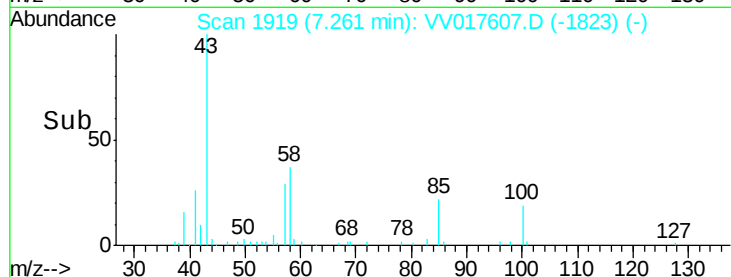
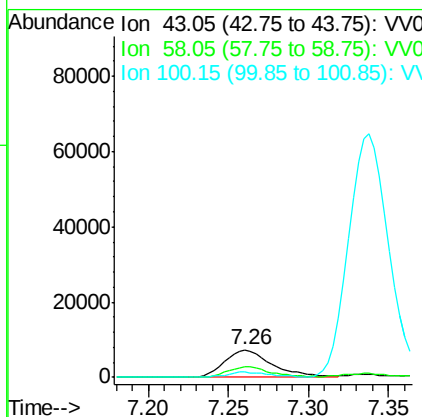
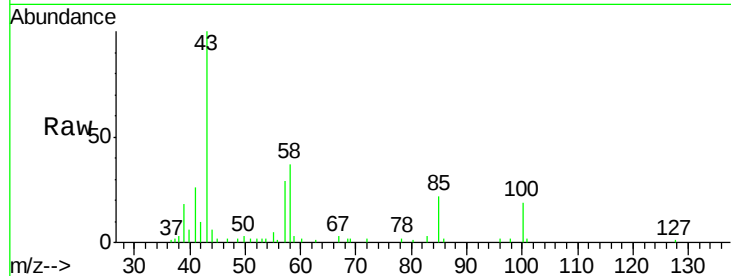
#40
4-Methyl-2-pentanone
Concen: 2.204 ug/L
RT: 7.26 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VV017607.D
Acq: 23 Jul 2020 16:39

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.2	31.2	46.8
100	0.0	13.6	20.4

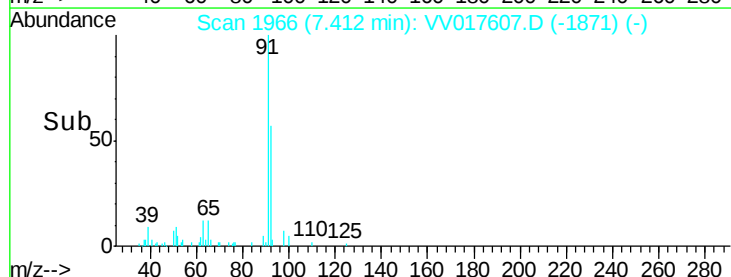
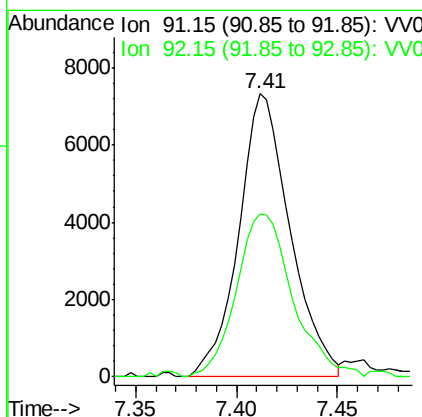
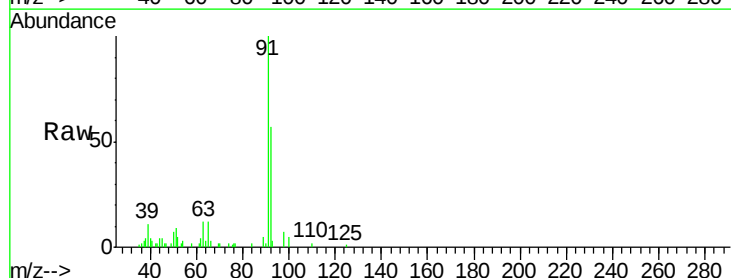
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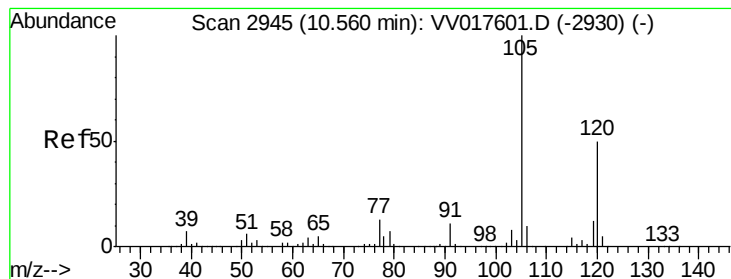
sam
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#42
Toluene
Concen: 0.241 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.01 min
Lab File: VV017607.D
Acq: 23 Jul 2020 16:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.5	40.8	75.8





#43

1,3,5-Trimethylbenzene

Concen: 0.219 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion:105 Resp: 11070

Ion Ratio Lower Upper

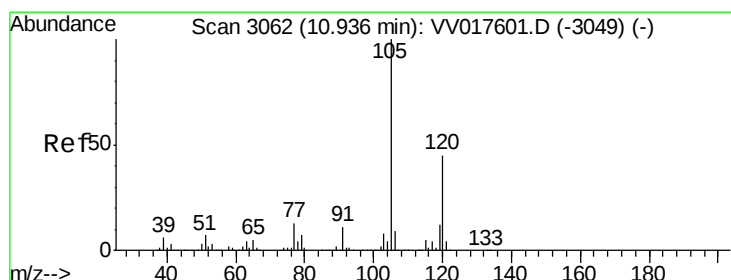
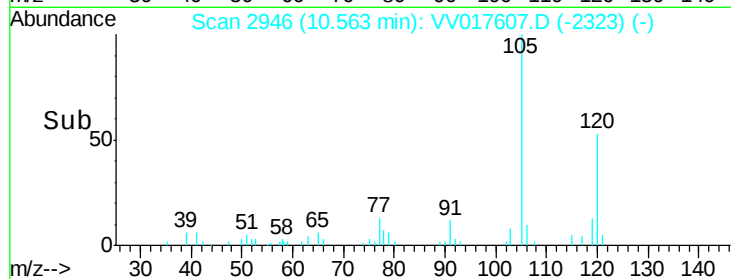
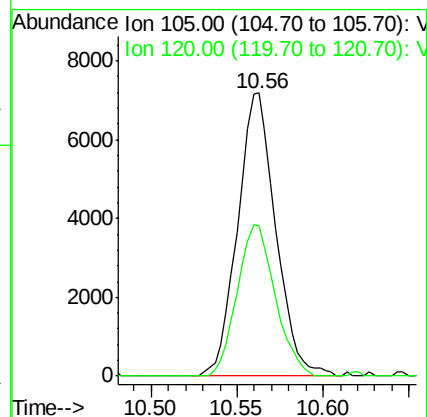
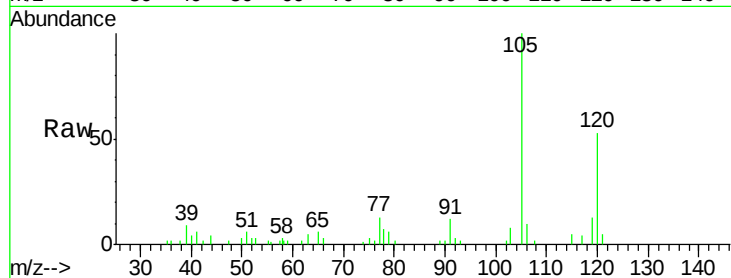
105 100

120 53.2 39.4 59.2

Manual Integrations
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#44

1,2,4-Trimethylbenzene

Concen: 0.202 ug/L

RT: 10.94 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VV017607.D

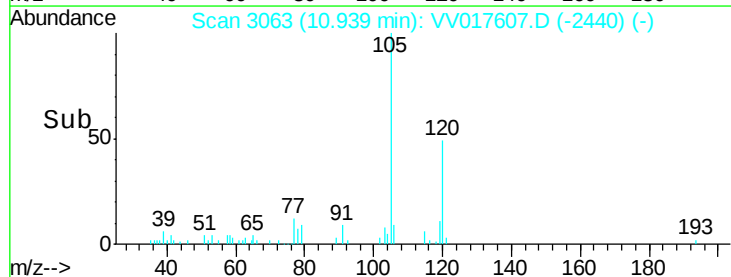
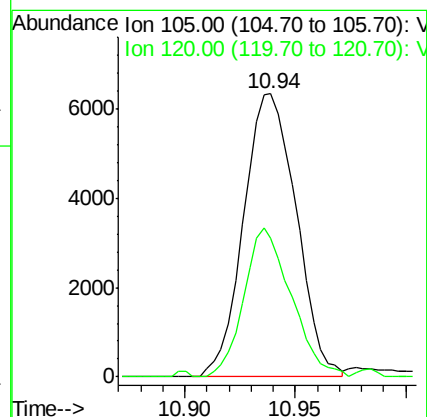
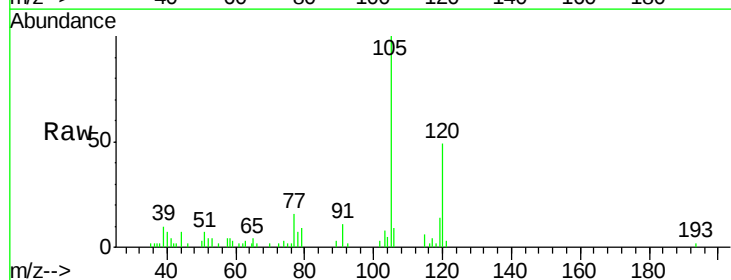
Acq: 23 Jul 2020 16:39

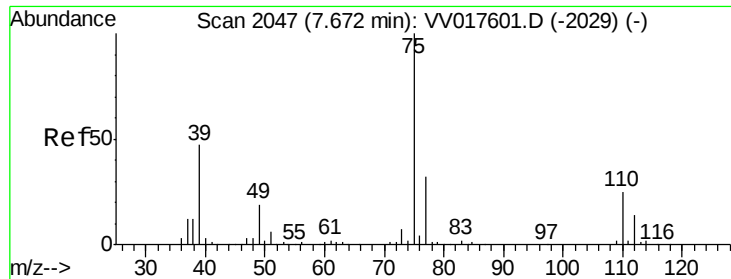
Tgt Ion:105 Resp: 10469

Ion Ratio Lower Upper

105 100

120 47.3 35.9 53.9





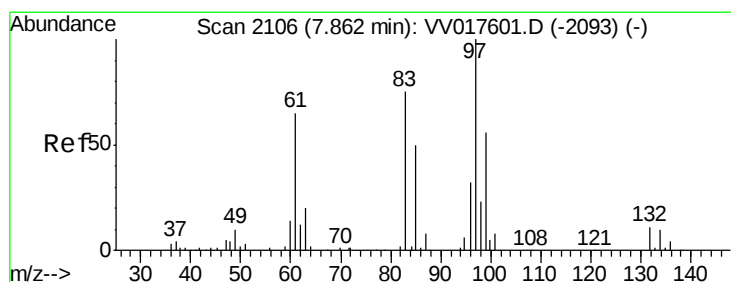
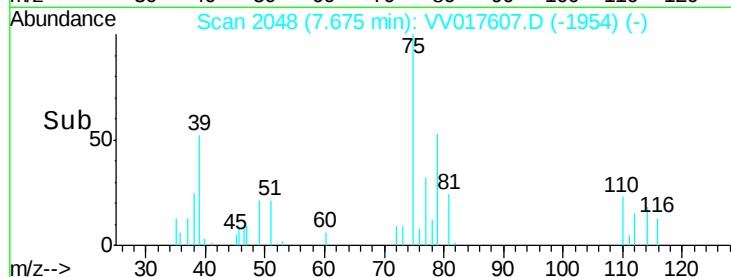
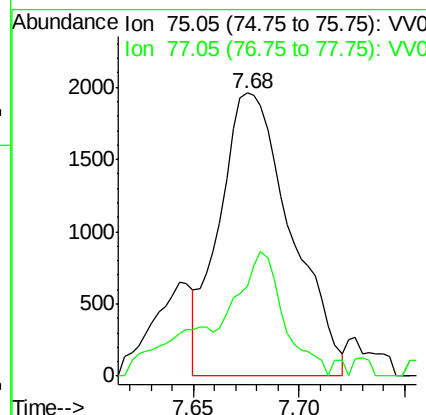
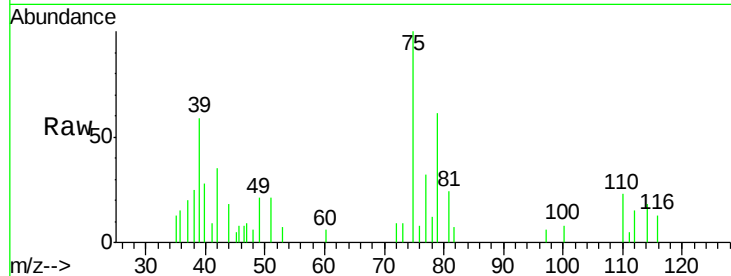
#46
trans-1,3-Dichloropropene
Concen: 0.292 ug/L
RT: 7.68 min Scan# 2048
Delta R.T. 0.00 min
Lab File: VV017607.D
Acq: 23 Jul 2020 16:39

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion: 75 Resp: 4620
Ion Ratio Lower Upper
75 100
77 31.6 22.5 41.7

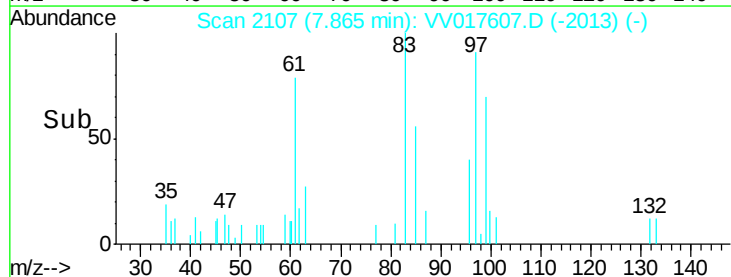
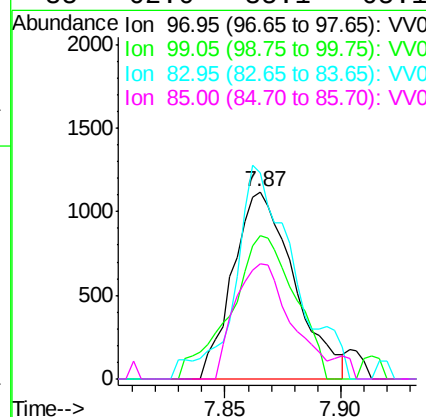
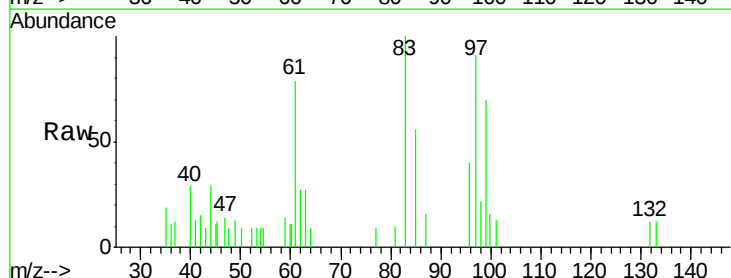
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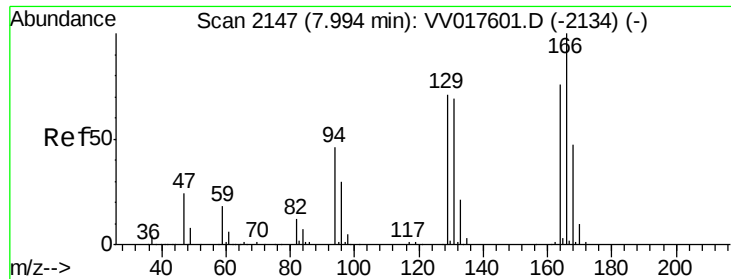
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#47
1,1,2-Trichloroethane
Concen: 0.231 ug/L
RT: 7.87 min Scan# 2107
Delta R.T. 0.00 min
Lab File: VV017607.D
Acq: 23 Jul 2020 16:39

Tgt Ion: 97 Resp: 2046
Ion Ratio Lower Upper
97 100
99 76.7 39.5 73.4#
83 110.2 52.6 97.6#
85 62.0 35.1 65.1





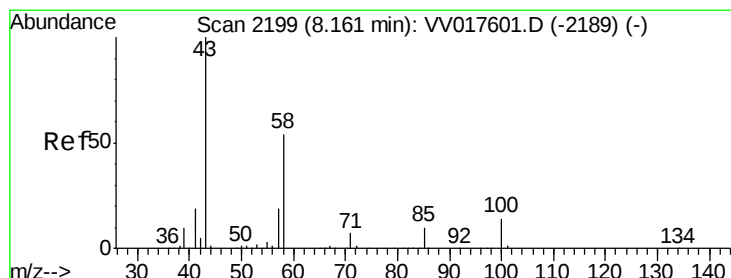
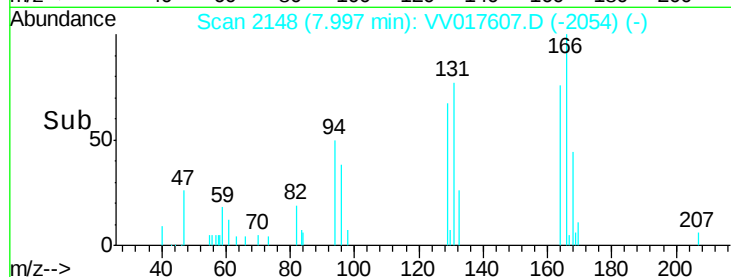
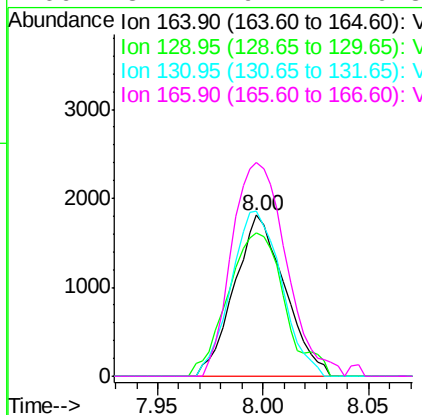
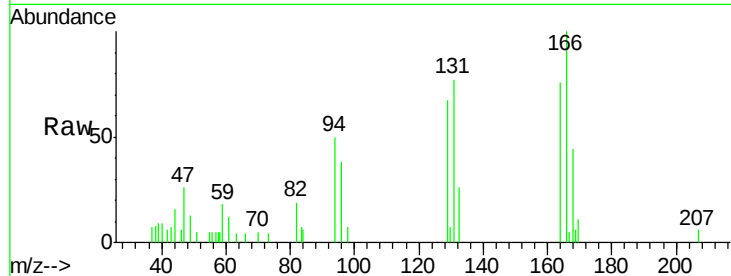
#49
Tetrachloroethene
 Concen: 0.247 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017607.D
 Acq: 23 Jul 2020 16:39

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	164	Resp	3019
Ion	Ratio	Lower	Upper
164	100		
129	88.7	65.0	120.8
131	102.3	63.6	118.2
166	132.4	91.7	170.3

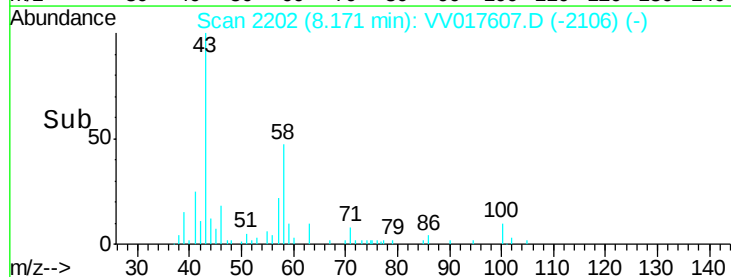
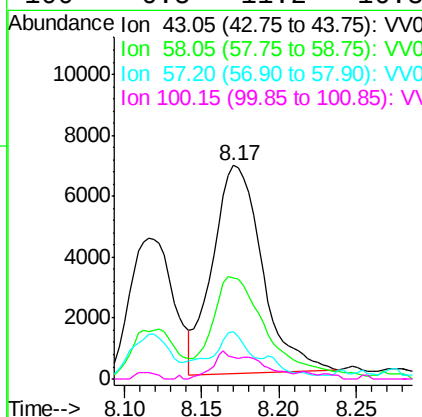
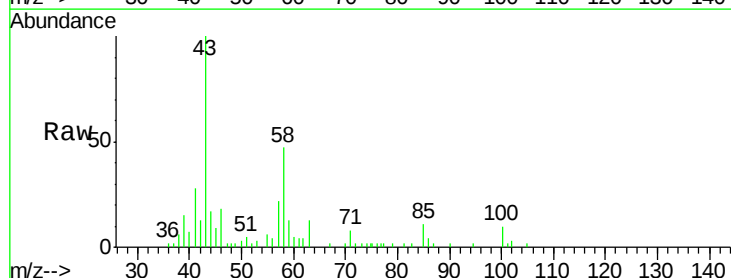
Manual Integrations
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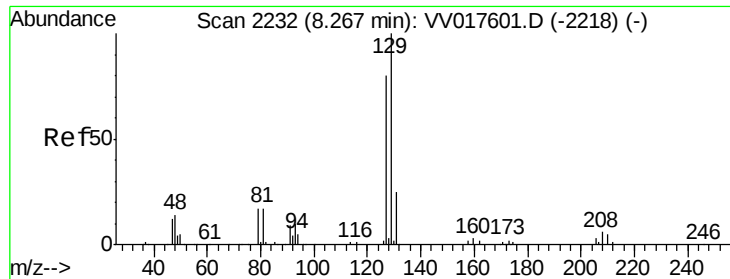
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#50
2-Hexanone
 Concen: 3.352 ug/L
 RT: 8.17 min Scan# 2202
 Delta R.T. 0.01 min
 Lab File: VV017607.D
 Acq: 23 Jul 2020 16:39

Tgt Ion	43	Resp	15188
Ion	Ratio	Lower	Upper
43	100		
58	56.4	41.6	62.4
57	9.3	15.4	23.0#
100	6.5	11.2	16.8#





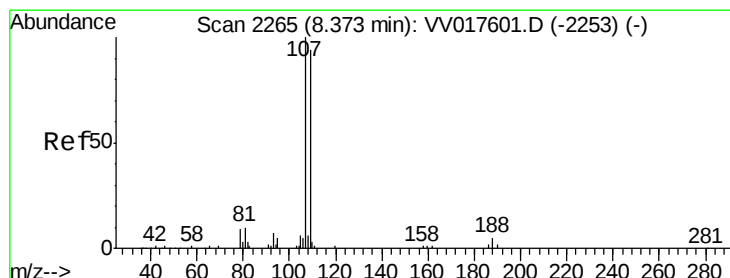
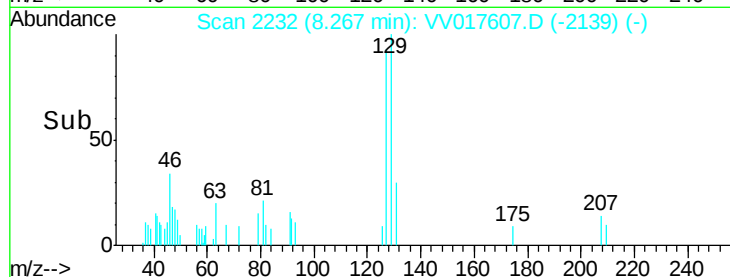
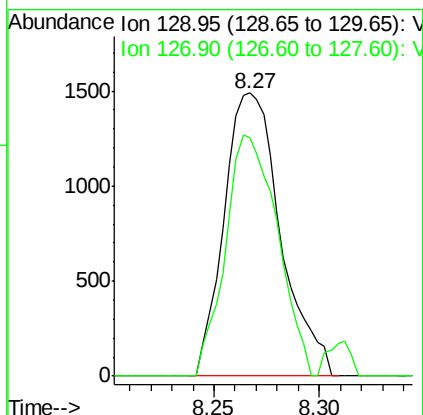
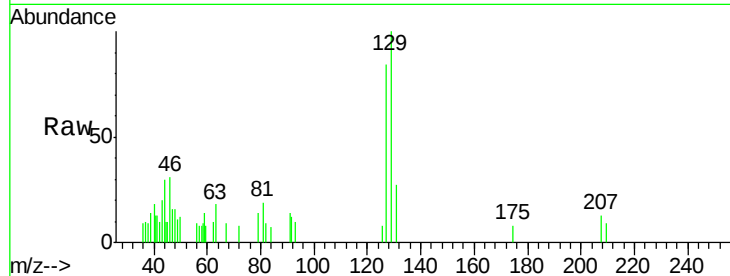
#51
 Dibromochloromethane
 Concen: 0.247 ug/L
 RT: 8.27 min Scan# 2232
 Delta R.T. 0.00 min
 Lab File: VV017607.D
 Acq: 23 Jul 2020 16:39

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
129	100		
127	84.4	56.3	104.5

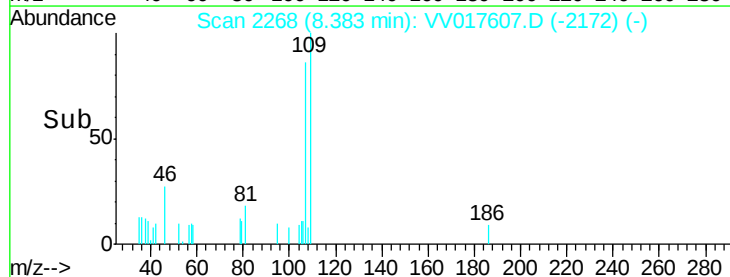
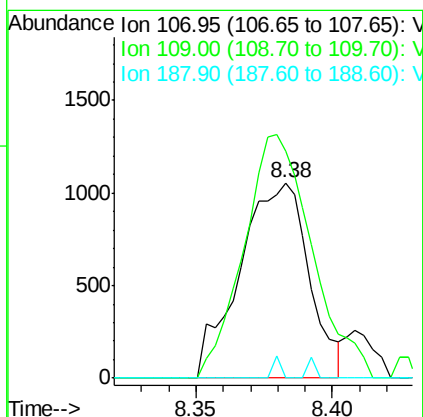
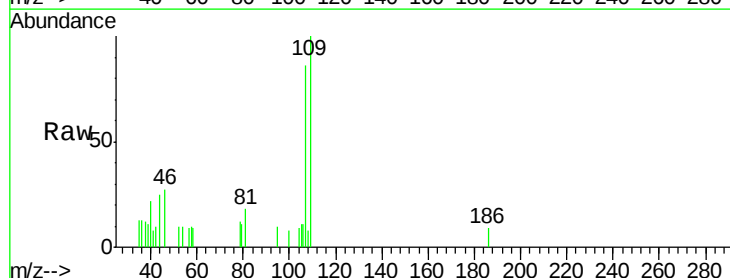
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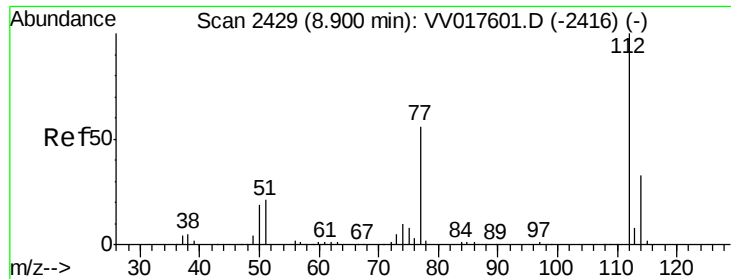
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#52
 1,2-Dibromoethane
 Concen: 0.223 ug/L
 RT: 8.38 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: VV017607.D
 Acq: 23 Jul 2020 16:39

Tgt Ion	Ratio	Lower	Upper
107	100		
109	116.7	65.5	121.7
188	0.0	3.7	5.5#





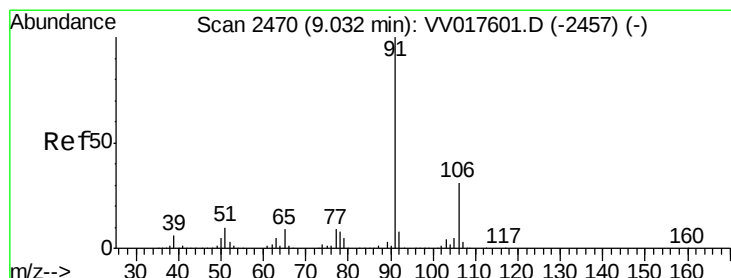
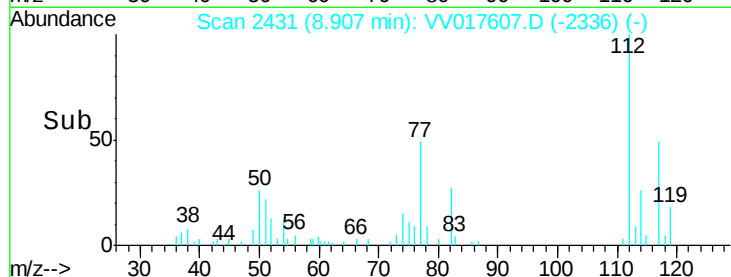
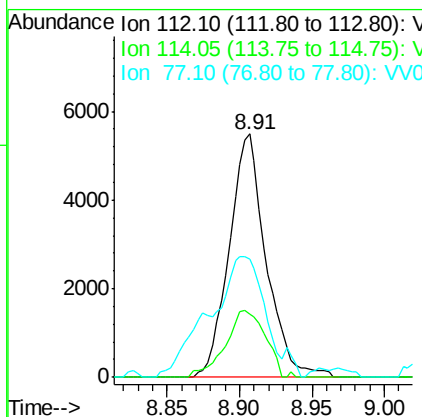
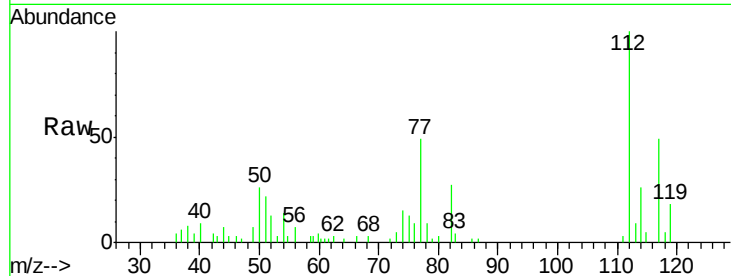
#53
Chlorobenzene
Concen: 0.269 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.01 min
Lab File: VV017607.D
Acq: 23 Jul 2020 16:39

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
112	100		
114	25.8	23.2	43.2
77	48.6	45.6	68.4

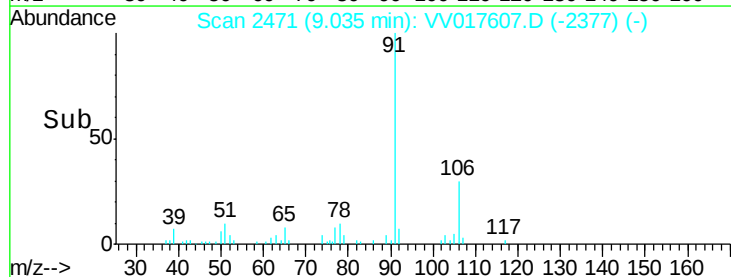
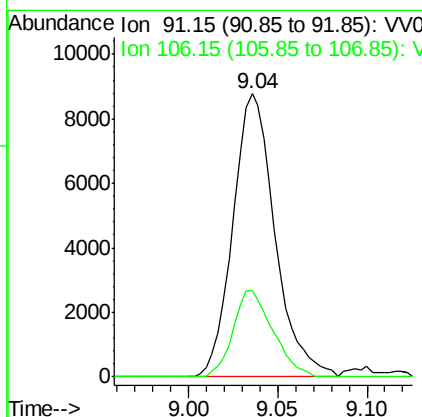
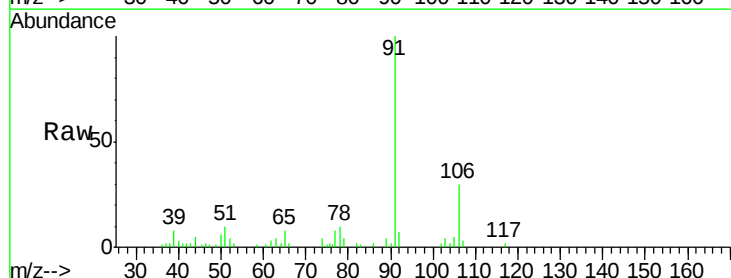
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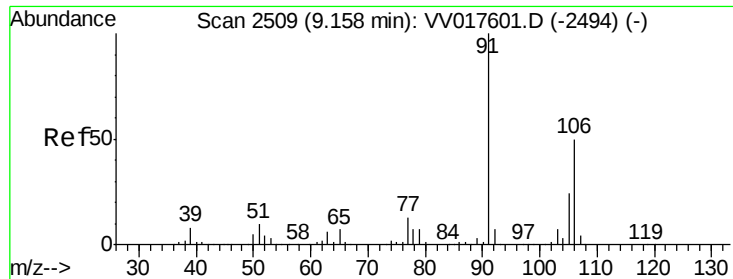
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#54
Ethylbenzene
Concen: 0.238 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV017607.D
Acq: 23 Jul 2020 16:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	21.6	40.2





#55

m,p-xylene

Concen: 0.246 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017607.D

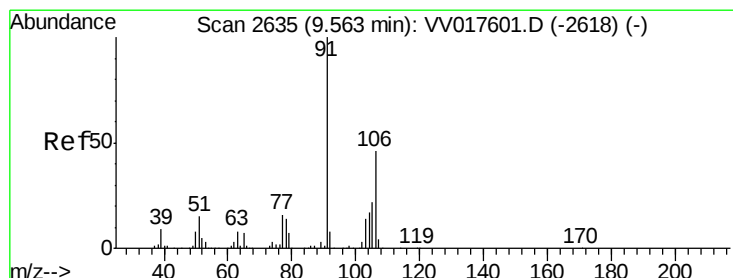
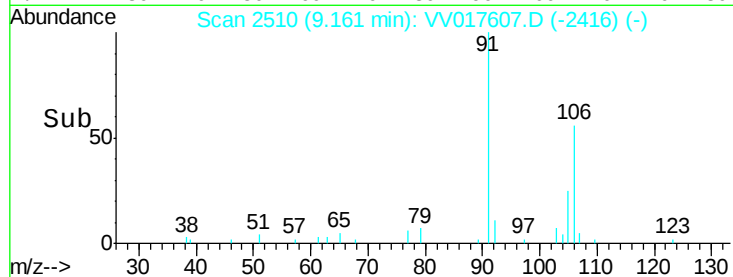
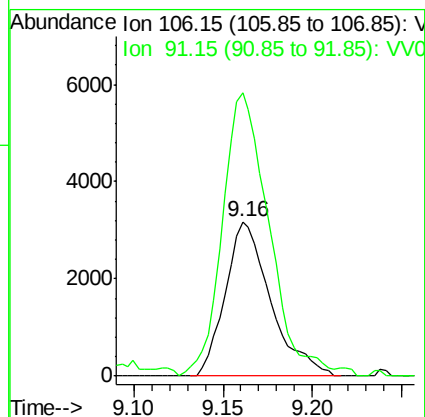
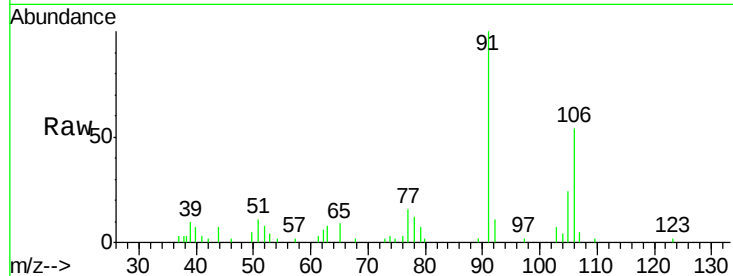
Acq: 23 Jul 2020 16:39

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion:106 Resp: 5615
Ion Ratio Lower Upper
106 100
91 183.7 141.3 262.3

Manual Integrations
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#56

o-xylene

Concen: 0.259 ug/L

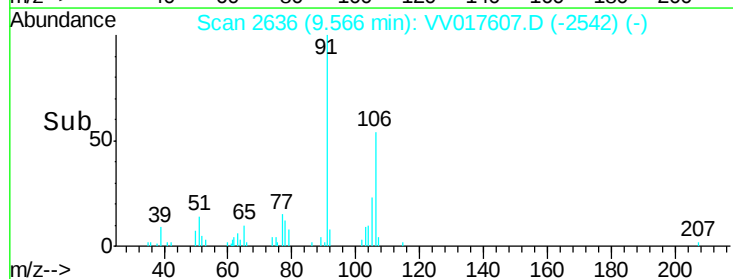
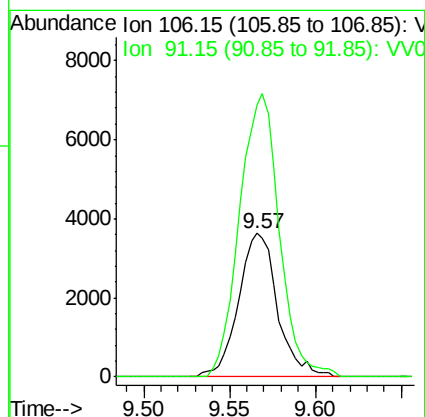
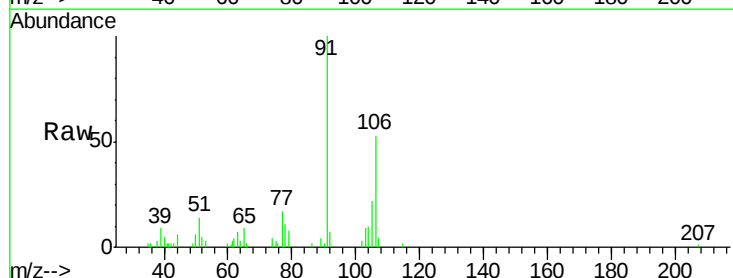
RT: 9.57 min Scan# 2636

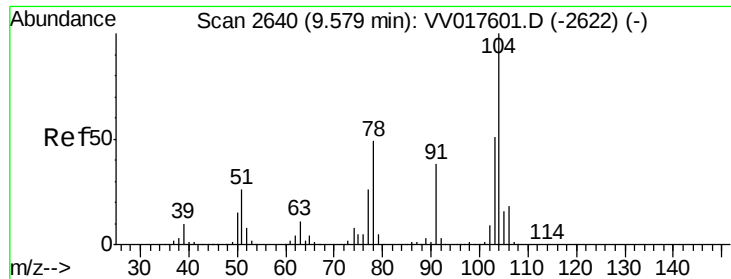
Delta R.T. 0.00 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Tgt Ion:106 Resp: 5753
Ion Ratio Lower Upper
106 100
91 189.6 153.9 285.7





#57

Stvrene

Concen: 0.227 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion:104 Resp: 8392

Ion Ratio Lower Upper

104 100

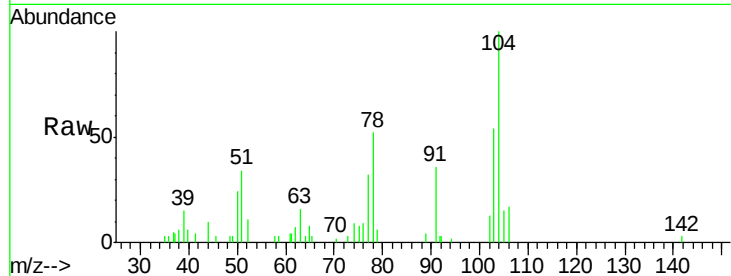
78 51.9 34.0 63.2

Manual Integrations

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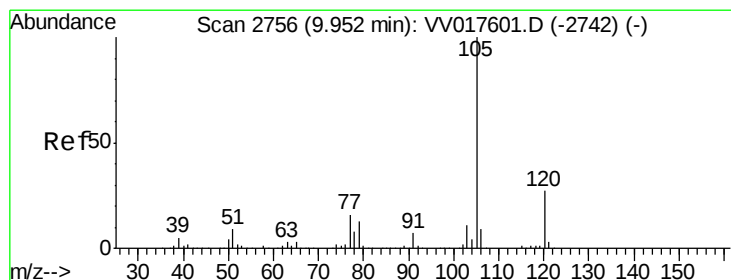
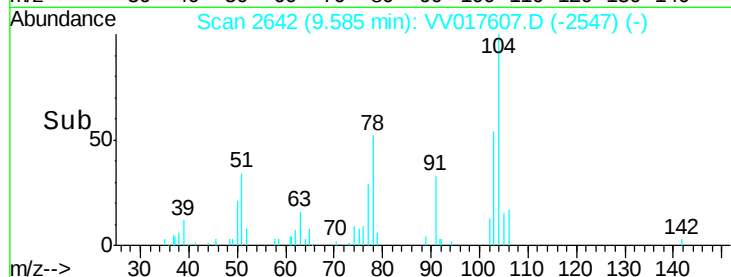
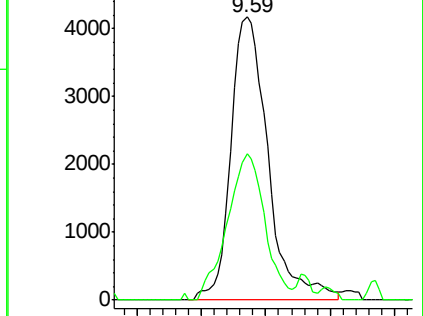
sam

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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#58

Isopropylbenzene

Concen: 0.223 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

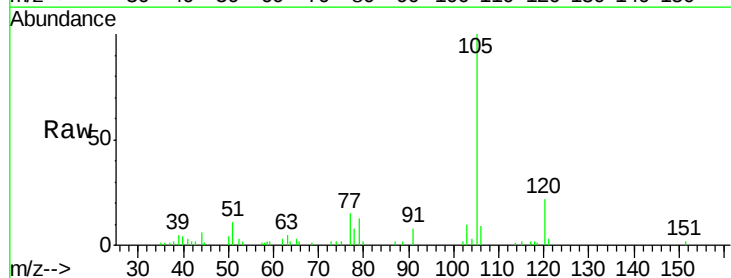
Tgt Ion:105 Resp: 13639

Ion Ratio Lower Upper

105 100

120 26.0 21.1 31.7

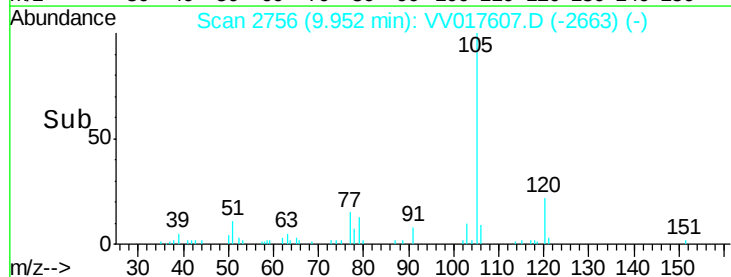
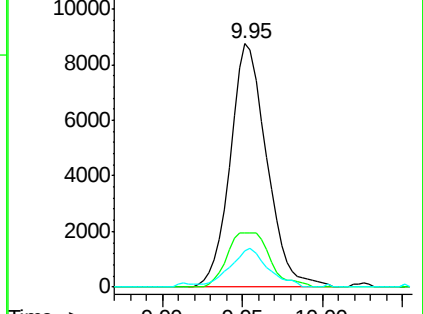
77 16.6 13.0 19.6

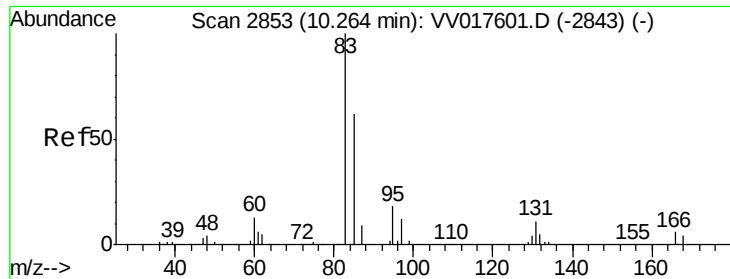


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#60

1,1,2,2-Tetrachloroethane

Concen: 0.297 ug/L

RT: 10.27 min Scan# 2854

Delta R.T. 0.00 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Instrument :

MSVOA_V

ClientSampleId :

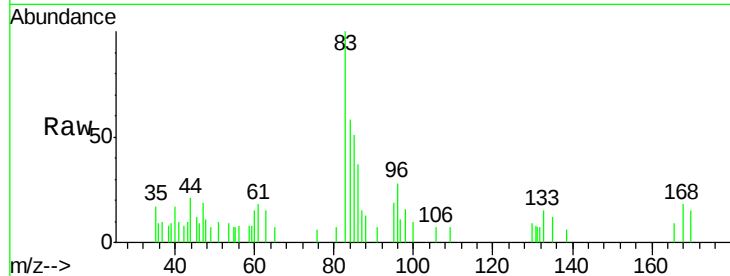
MDL02

Tot Ion:	83	Resp:	2863
Ion	Ratio	Lower	Upper
83	100		
85	50.9	44.4	82.5
131	15.1	9.2	13.8#

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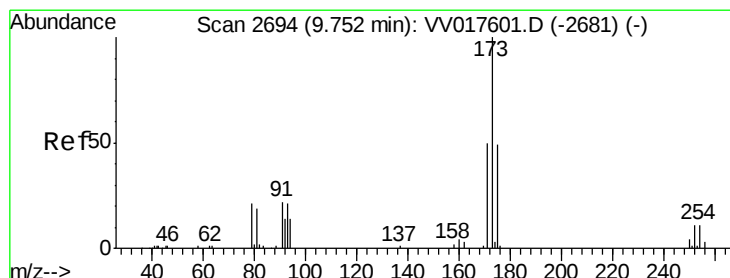
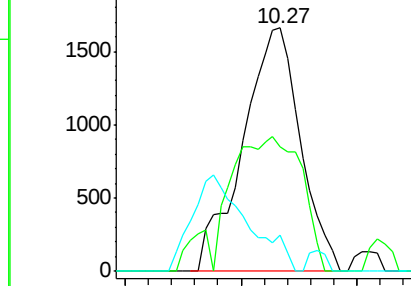
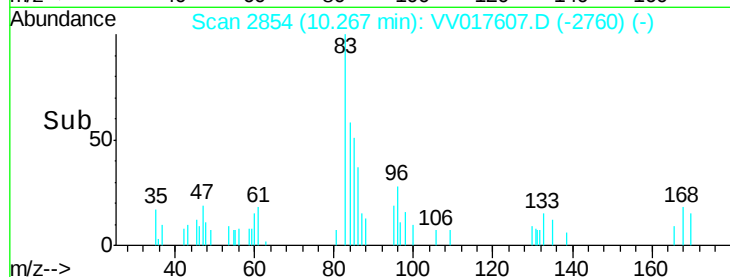


Abundance Ion 82.95 (82.65 to 83.65): VV017607.D (-2843) (-)

Ion 85.00 (84.70 to 85.70): VV017607.D (-2843) (-)

Ion 130.95 (130.65 to 131.65): VV017607.D (-2843) (-)

Time--> 10.20 10.25 10.30



#62

Bromoform

Concen: 0.270 ug/L

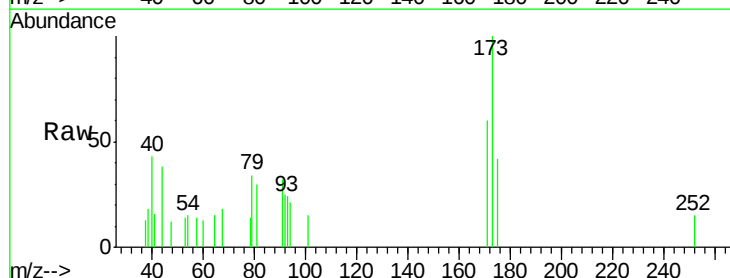
RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Tgt Ion:	173	Resp:	1529
Ion	Ratio	Lower	Upper
173	100		
175	41.9	39.6	59.4
254	4.8	8.4	12.6#

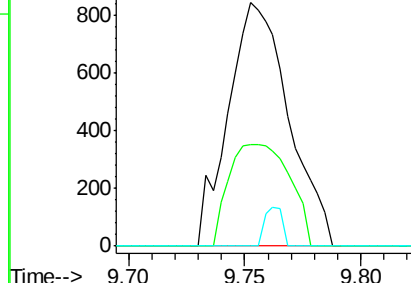
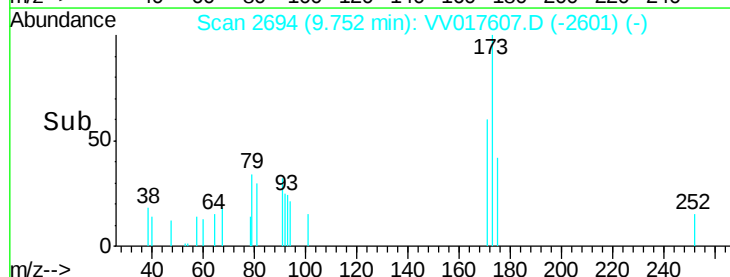


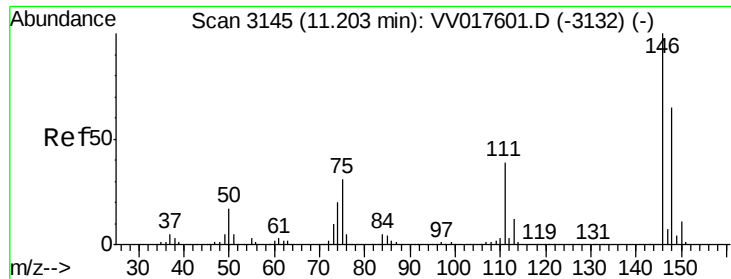
Abundance Ion 172.90 (172.60 to 173.60): VV017607.D (-2681) (-)

Ion 174.90 (174.60 to 175.60): VV017607.D (-2681) (-)

Ion 253.75 (253.45 to 254.45): VV017607.D (-2681) (-)

Time--> 9.70 9.75 9.80





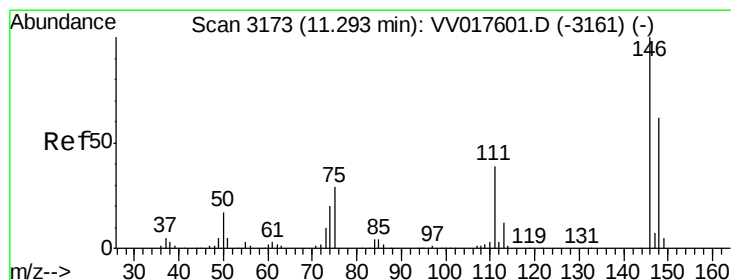
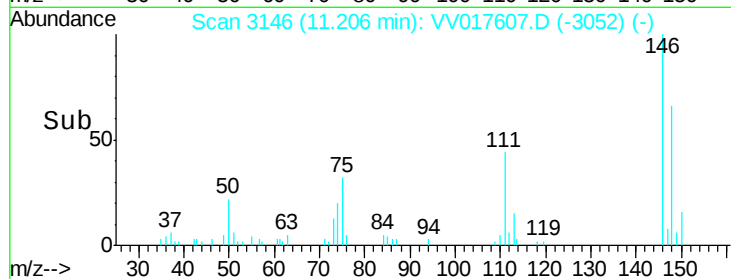
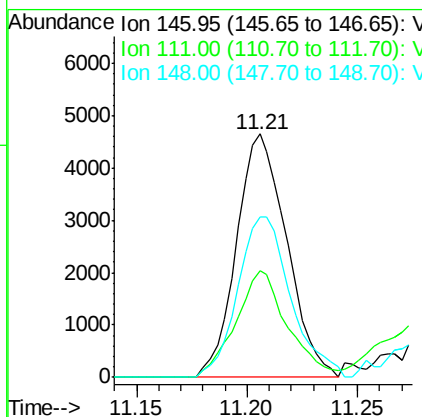
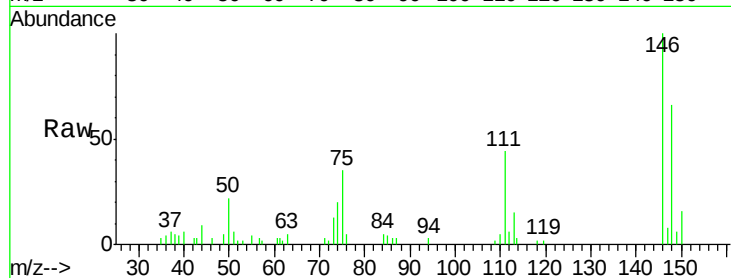
#63
 1,3-Dichlorobenzene
 Concen: 0.258 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV017607.D
 Acq: 23 Jul 2020 16:39

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	27.3	50.7
148	65.9	45.6	84.6

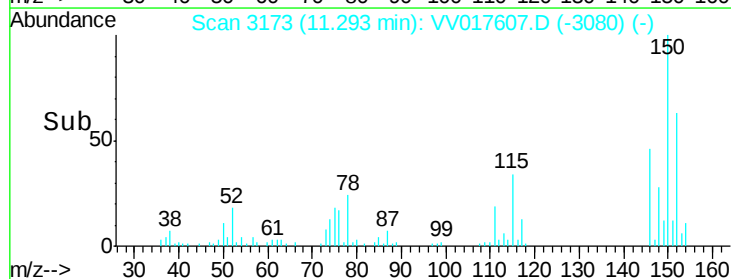
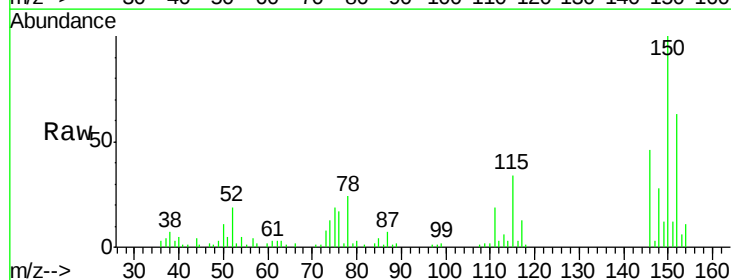
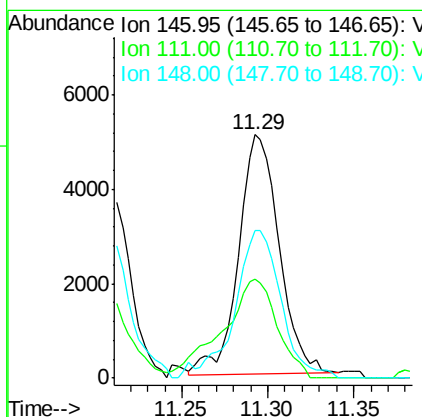
Manual Integrations
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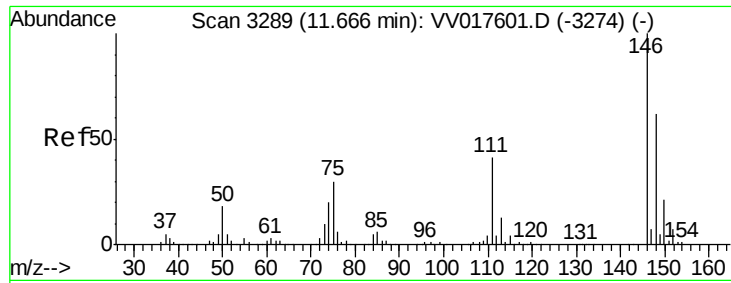
sam
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#64
 1,4-Dichlorobenzene
 Concen: 0.290 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017607.D
 Acq: 23 Jul 2020 16:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	27.4	51.0
148	60.4	43.8	81.4





#66

1,2-Dichlorobenzene

Concen: 0.307 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Instrument :

MSVOA_V

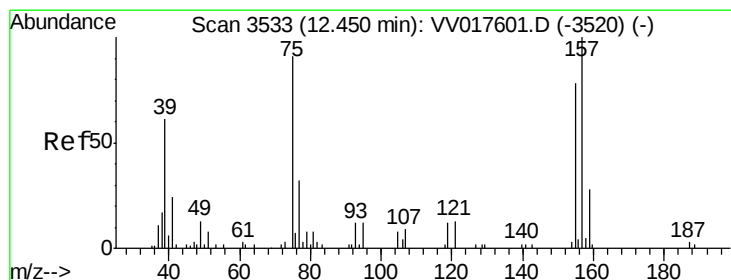
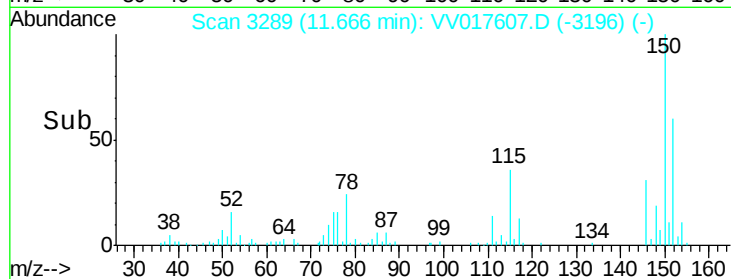
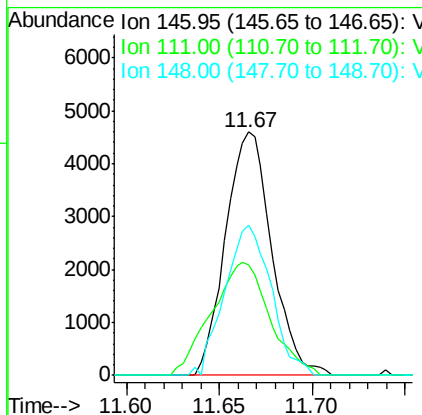
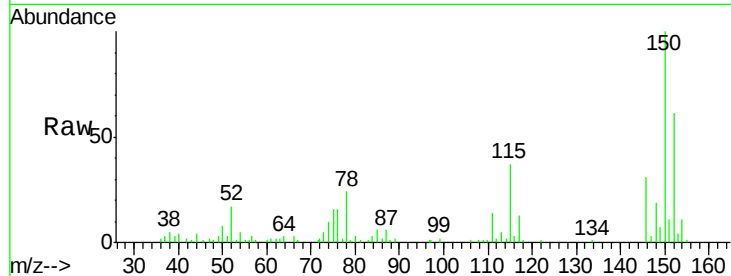
ClientSampled :

MDL02

Tot Ion:	146	Resp:	7949
Ion	Ratio	Lower	Upper
146	100		
111	45.2	33.0	49.4
148	61.9	49.9	74.9

Manual Integrations
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#67

1,2-Dibromo-3-chloropropane

Concen: 0.222 ug/L m

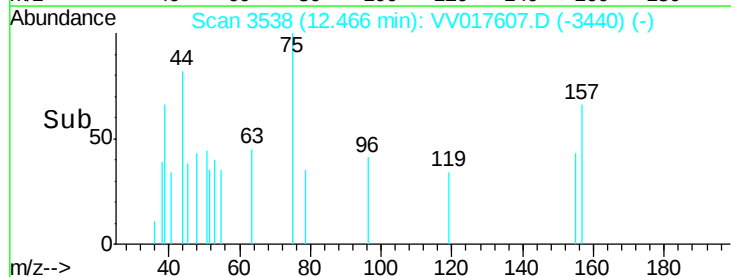
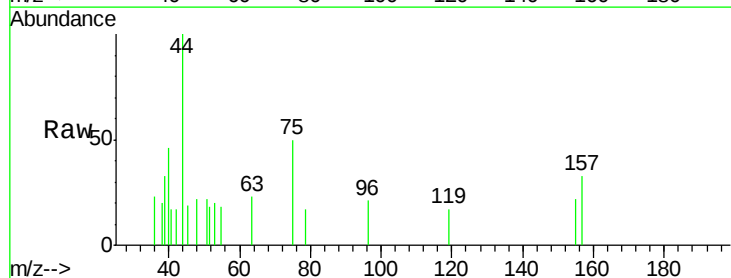
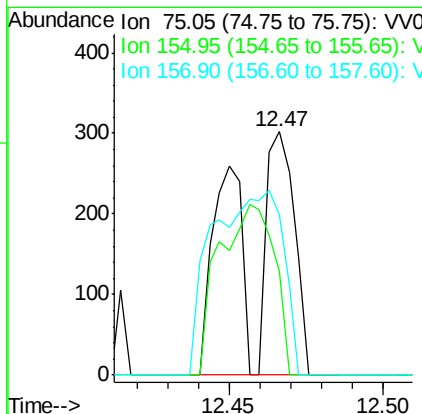
RT: 12.47 min Scan# 3538

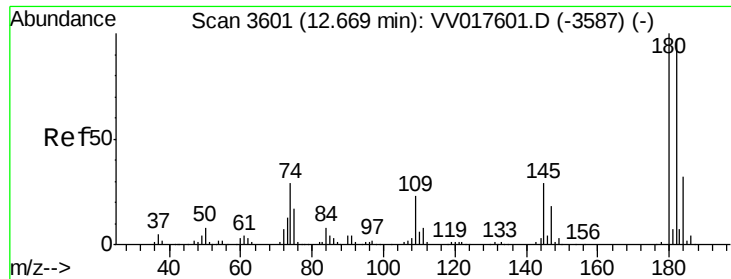
Delta R.T. 0.02 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Tgt Ion:	75	Resp:	360
Ion	Ratio	Lower	Upper
75	100		
155	43.0	68.7	103.1#
157	65.9	87.8	131.8#





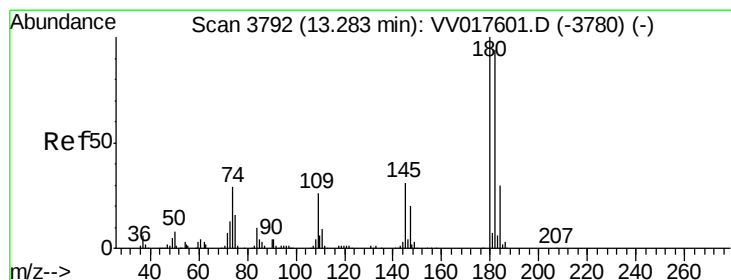
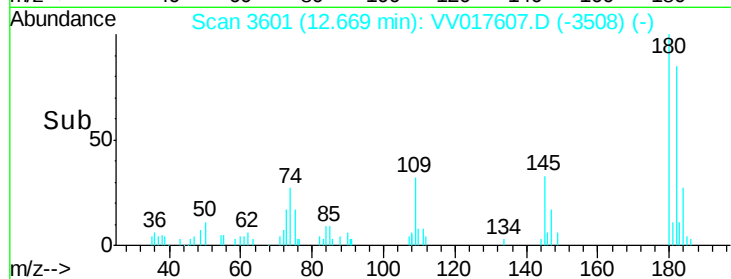
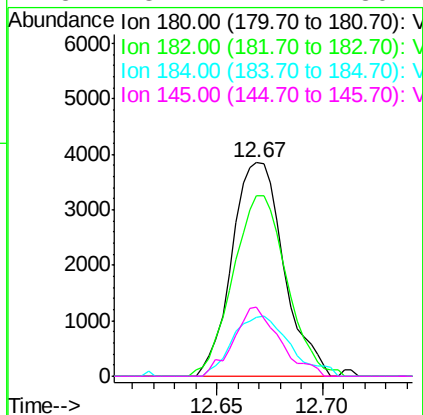
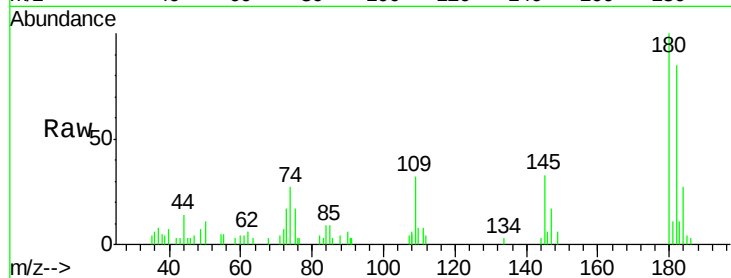
#68
 1,3,5-Trichlorobenzene
 Concen: 0.284 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017607.D
 Acq: 23 Jul 2020 16:39

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.7	77.1	115.7
184	31.0	25.2	37.8
145	28.7	24.1	36.1

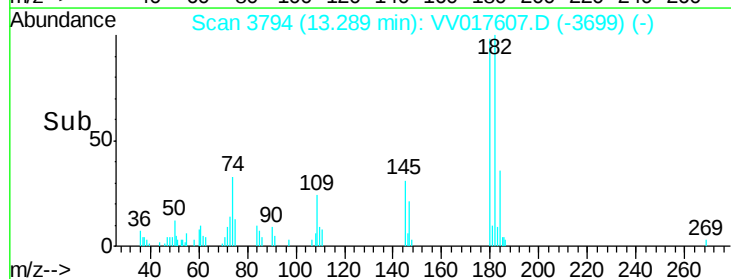
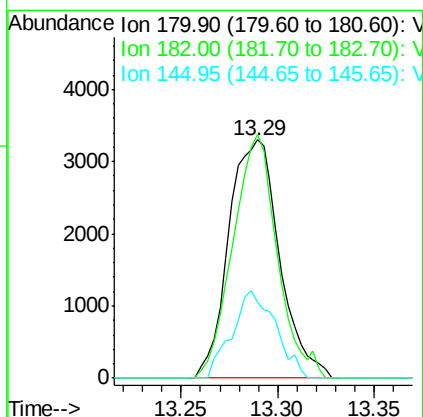
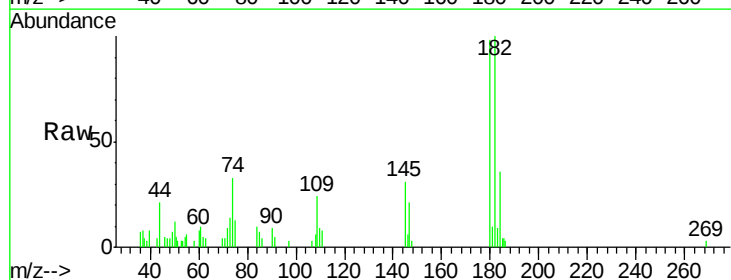
Manual Integrations
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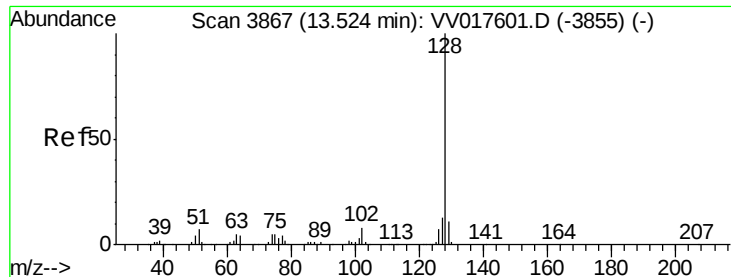
sam
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#69
 1,2,4-trichlorobenzene
 Concen: 0.311 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV017607.D
 Acq: 23 Jul 2020 16:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.6	75.4	113.2
145	31.4	24.2	36.2





#70

Naphthalene

Concen: 0.207 ug/L

RT: 13.53 min Scan# 3870

Delta R.T. 0.01 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Instrument :

MSVOA_V

ClientSampleId :

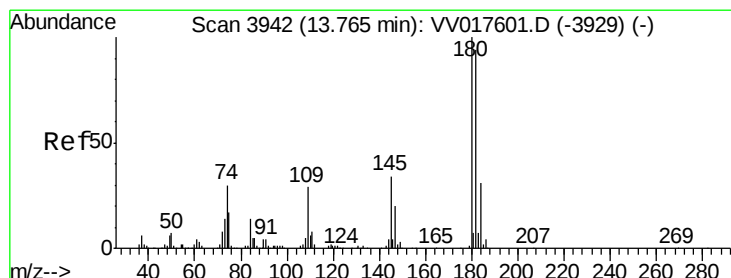
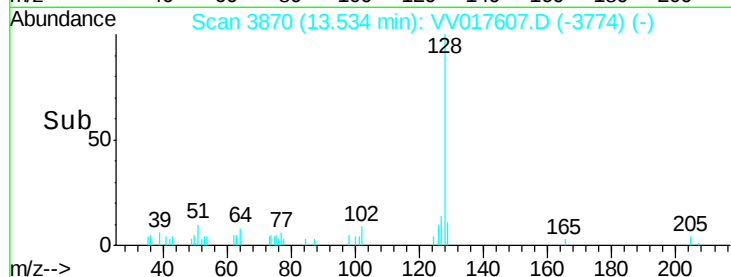
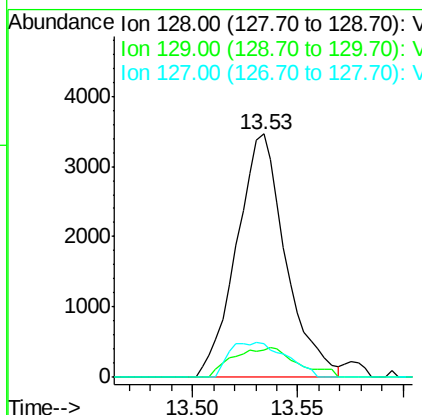
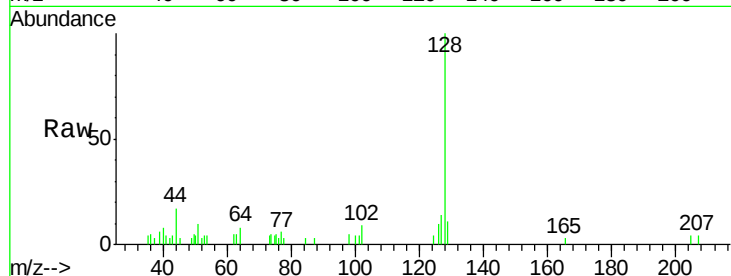
MDL02

Tot Ion	Ratio	Lower	Upper
128	100		
129	16.0	9.1	13.7#
127	16.6	11.0	16.6#

Manual Integrations
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#71

1,2,3-Trichlorobenzene

Concen: 0.244 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017607.D

Acq: 23 Jul 2020 16:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.5	74.2	111.4
145	31.3	26.0	39.0

