

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017611.D
 Acq On : 23 Jul 2020 18:38
 Operator : SY/MD
 Sample : MDL06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

sam
 7/24/2020 7:06:57 PM

Quant Time: Jul 24 12:14:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 24 02:22:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	182222	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	173536	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	84704	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	44966	5.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.40%
7) Chloroethane-d5	1.58	69	34879	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	2.12	63	75362	3.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.20%
20) 2-Butanone-d5	3.95	46	100226	48.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.30%
24) Chloroform-d	4.37	84	104436	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.06	65	55074	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.07	84	194915	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.09	67	54327	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.34	98	177374	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
45) trans-1,3-Dichloropropene-	7.64	79	22580	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
48) 2-Hexanone-d5	8.12	63	68219	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	37095	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	71008	5.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4704	0.236 ug/L	98
3) Chloromethane	1.25	50	3573	0.275 ug/L	98
5) Vinyl chloride	1.32	62	3412	0.262 ug/L #	57
6) Bromomethane	1.53	94	2058	0.246 ug/L	95
8) Chloroethane	1.59	64	2335	0.311 ug/L #	81
9) Trichlorofluoromethane	1.76	101	5631	0.242 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	3093	0.284 ug/L	93
12) 1,1-Dichloroethene	2.13	96	2910	0.297 ug/L #	1
13) Acetone	2.24	43	3742m	2.296 ug/L	
14) Carbon disulfide	2.31	76	7684	0.258 ug/L #	89
16) Methylene chloride	2.52	84	4166	0.382 ug/L	97
17) Methyl tert-butyl Ether	2.78	73	6292	0.250 ug/L #	88
18) trans-1,2-Dichloroethene	2.78	96	2872	0.269 ug/L	94
19) 1,1-Dichloroethane	3.21	63	5831	0.259 ug/L	99
21) 2-Butanone	4.05	43	4988m	1.813 ug/L	
22) cis-1,2-Dichloroethene	3.94	96	3430	0.255 ug/L	78
23) Bromochloromethane	4.29	128	1640	0.264 ug/L	93

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Manual Integrations
 APPROVED

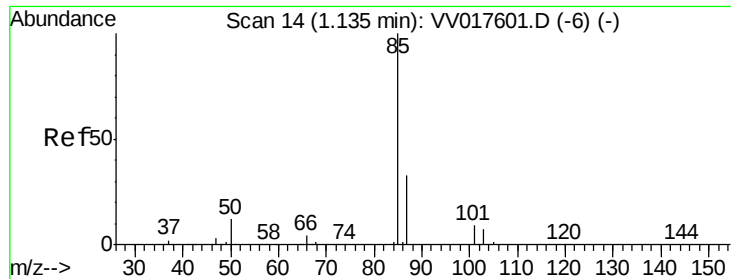
sam
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Quant Time: Jul 24 12:14:34 2020
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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

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

25) Chloroform	4.40	83	7853	0.311	ug/L	85
27) 1,2-Dichloroethane	5.17	62	4175	0.255	ug/L	96
29) 1,1,1-Trichloroethane	4.63	97	5488	0.226	ug/L #	86
30) Cyclohexane	4.69	56	2083	0.108	ug/L #	18
31) Carbon tetrachloride	4.85	117	5613	0.260	ug/L	96
33) Benzene	5.13	78	12050	0.245	ug/L	100
34) Trichloroethene	5.94	95	3534	0.258	ug/L	92
35) Methylcyclohexane	6.15	83	4764	0.230	ug/L	97
37) 1,2-Dichloropropane	6.21	63	2738	0.237	ug/L #	88
38) Bromodichloromethane	6.54	83	4331	0.255	ug/L	94
39) cis-1,3-Dichloropropene	7.05	75	3930	0.226	ug/L	94
40) 4-Methyl-2-pentanone	7.26	43	12900	2.038	ug/L #	84
42) Toluene	7.41	91	11930	0.223	ug/L	92
43) 1,3,5-Trimethylbenzene	10.56	105	9729	0.194	ug/L	97
44) 1,2,4-Trimethylbenzene	10.94	105	9426	0.184	ug/L	99
46) trans-1,3-Dichloropropene	7.68	75	4248m	0.272	ug/L	
47) 1,1,2-Trichloroethane	7.87	97	2397	0.274	ug/L #	88
49) Tetrachloroethene	8.00	164	2905	0.240	ug/L	94
50) 2-Hexanone	8.17	43	14739	3.291	ug/L	93
51) Dibromochloromethane	8.27	129	2799	0.251	ug/L	99
52) 1,2-Dibromoethane	8.38	107	2137	0.259	ug/L #	84
53) Chlorobenzene	8.90	112	8661	0.242	ug/L	99
54) Ethylbenzene	9.04	91	13443	0.224	ug/L	95
55) m,p-xylene	9.16	106	4421	0.196	ug/L	78
56) o-xylene	9.56	106	4423	0.202	ug/L	84
57) Styrene	9.59	104	6772	0.185	ug/L	94
58) Isopropylbenzene	9.96	105	12474	0.206	ug/L	98
60) 1,1,2,2-Tetrachloroethane	10.27	83	2392	0.251	ug/L #	92
62) Bromoform	9.76	173	1200	0.221	ug/L #	74
63) 1,3-Dichlorobenzene	11.21	146	7193	0.264	ug/L	96
64) 1,4-Dichlorobenzene	11.30	146	7534	0.275	ug/L	89
66) 1,2-Dichlorobenzene	11.67	146	6402	0.258	ug/L #	81
67) 1,2-Dibromo-3-chloropropan	12.45	75	477	0.307	ug/L #	81
68) 1,3,5-Trichlorobenzene	12.67	180	5646	0.255	ug/L	95
69) 1,2,4-trichlorobenzene	13.29	180	4509	0.243	ug/L	89
70) Naphthalene	13.53	128	5125	0.198	ug/L #	81
71) 1,2,3-Trichlorobenzene	13.77	180	3199	0.195	ug/L	84

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



#2

Dichlorodifluoromethane

Concen: 0.236 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 85 Resp: 4704

Ion Ratio Lower Upper

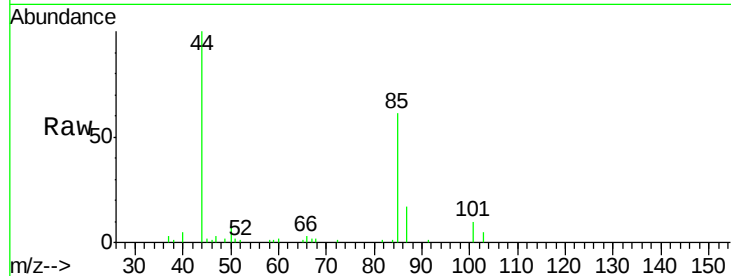
85 100

87 32.1 26.4 39.6

Manual Integrations
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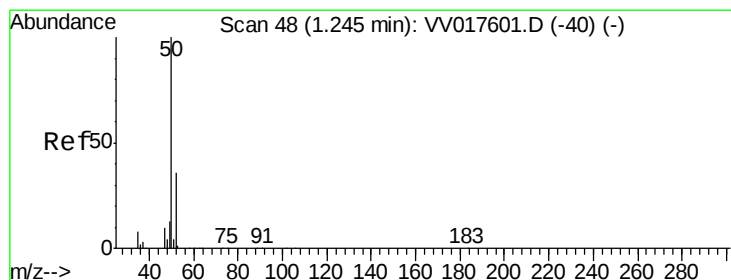
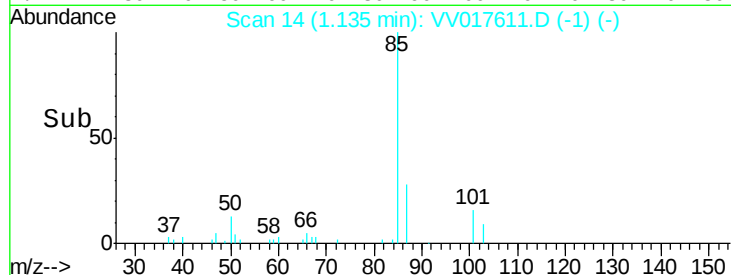
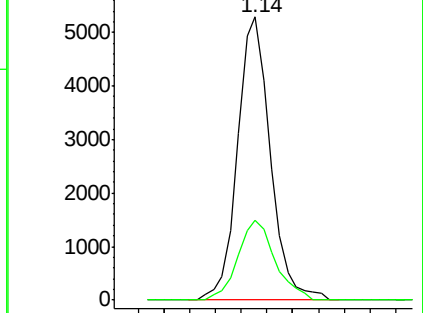
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.275 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017611.D

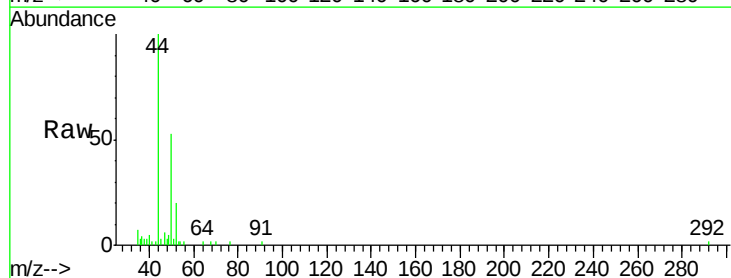
Acq: 23 Jul 2020 18:38

Tgt Ion: 50 Resp: 3573

Ion Ratio Lower Upper

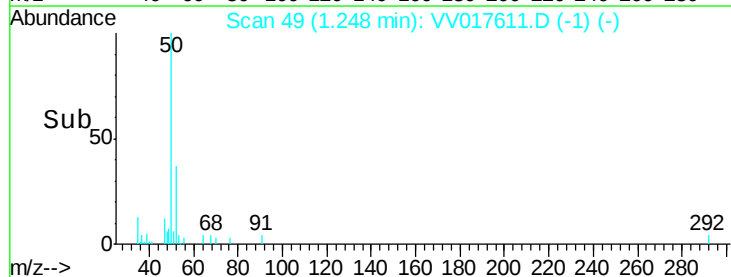
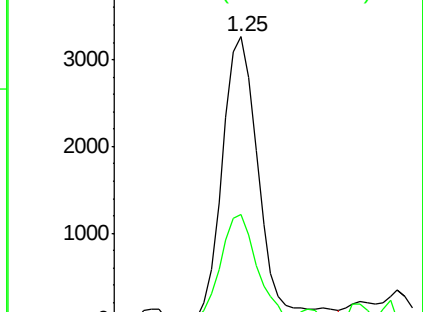
50 100

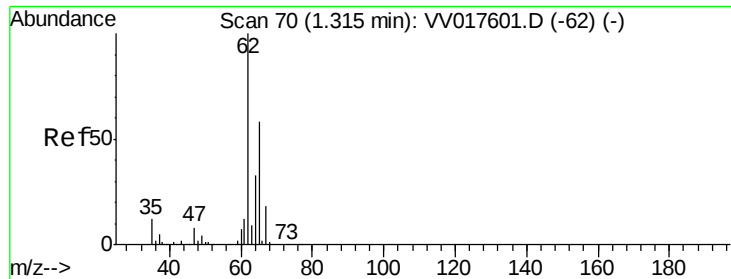
52 37.3 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.262 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 62 Resp: 3412

Ion Ratio Lower Upper

62 100

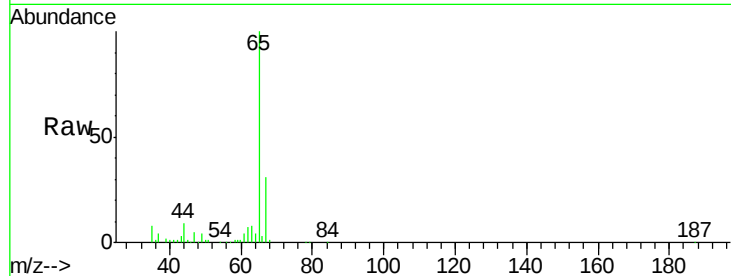
64 57.2 23.0 42.8#

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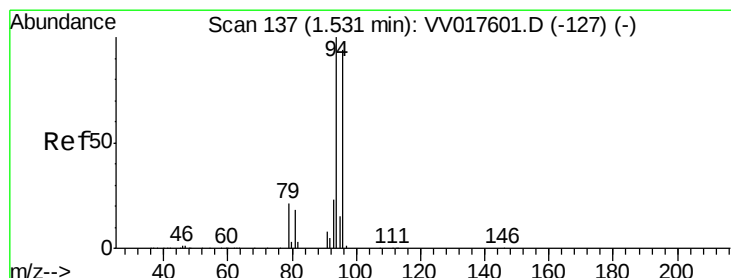
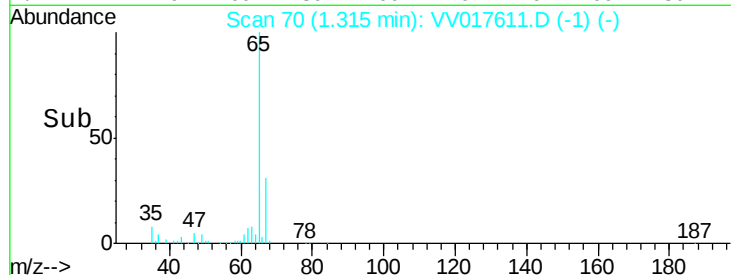
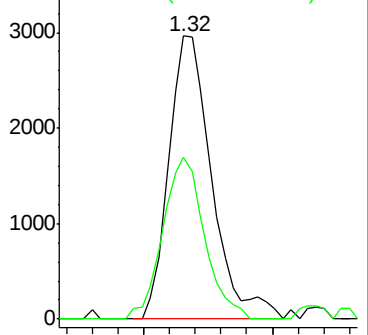
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Abundance Ion 62.00 (61.70 to 62.70): VV017601.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV017601.D (-62) (-)



#6

Bromomethane

Concen: 0.246 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017611.D

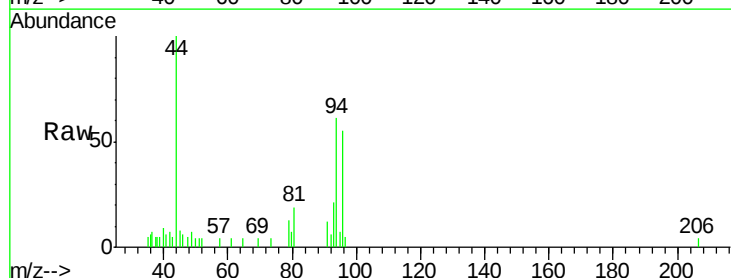
Acq: 23 Jul 2020 18:38

Tgt Ion: 94 Resp: 2058

Ion Ratio Lower Upper

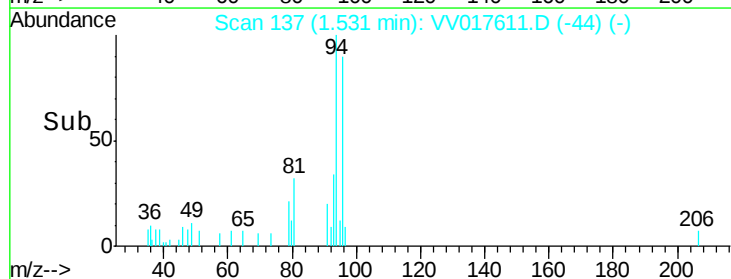
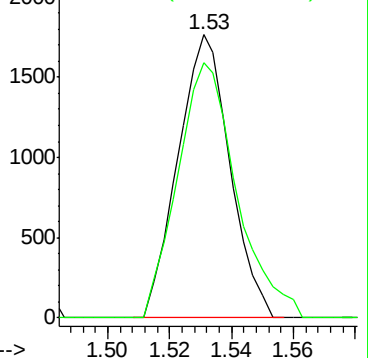
94 100

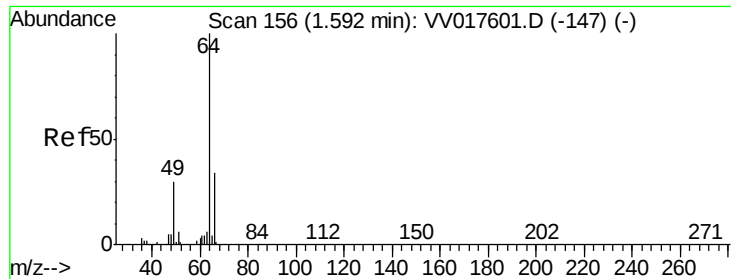
96 98.9 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV017601.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV017601.D (-127) (-)





#8

Chloroethane

Concen: 0.311 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 64 Resp: 2335

Ion Ratio Lower Upper

64 100

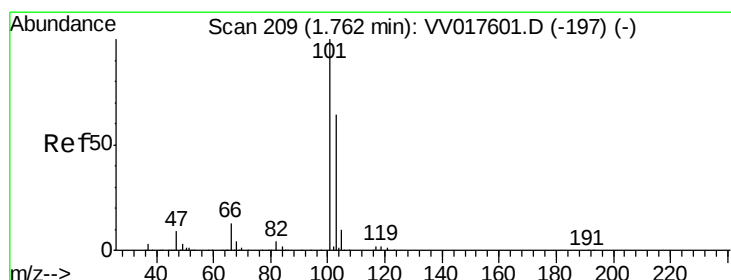
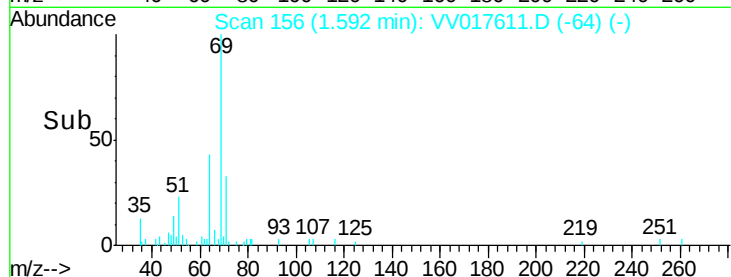
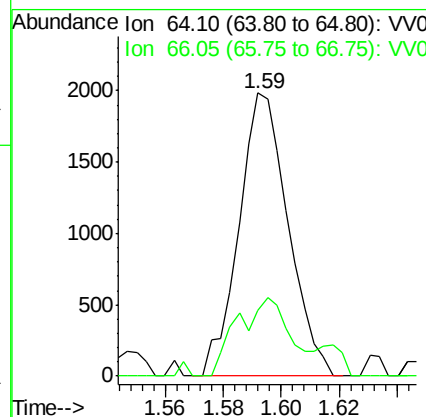
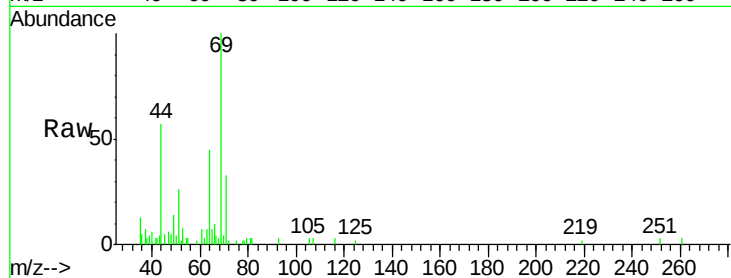
66 23.2 24.0 44.6#

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.242 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017611.D

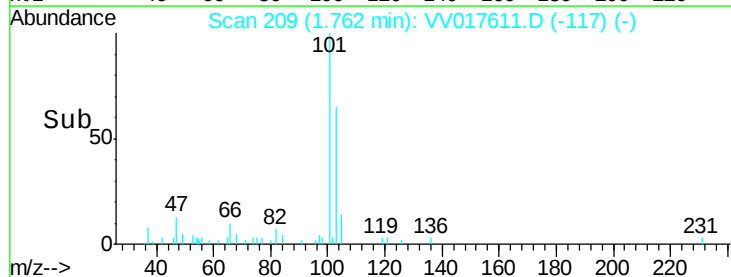
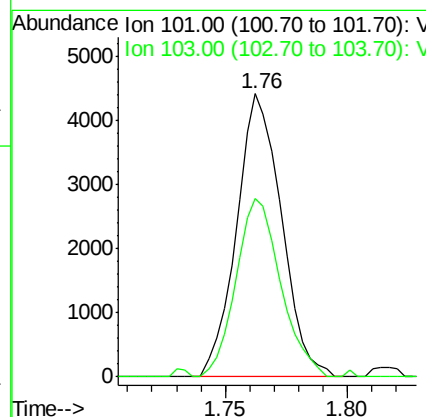
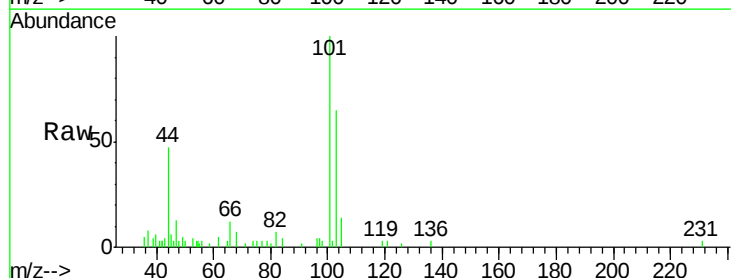
Acq: 23 Jul 2020 18:38

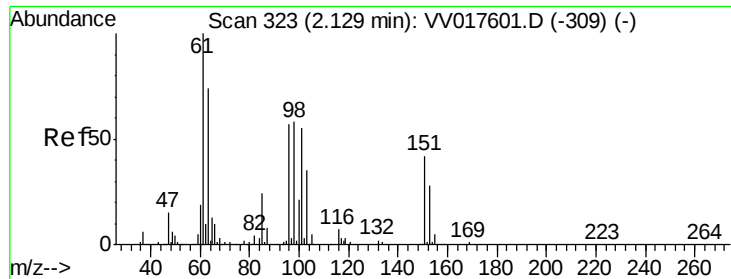
Tgt Ion: 101 Resp: 5631

Ion Ratio Lower Upper

101 100

103 62.5 51.7 77.5





#10

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

Concen: 0.284 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

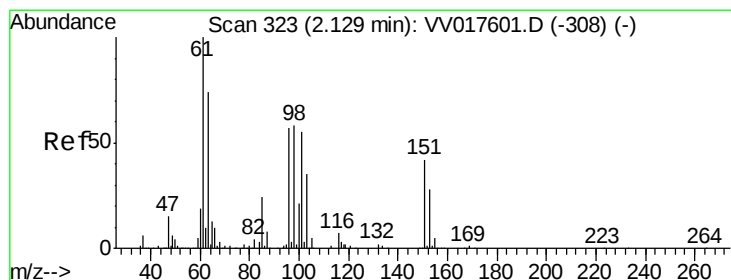
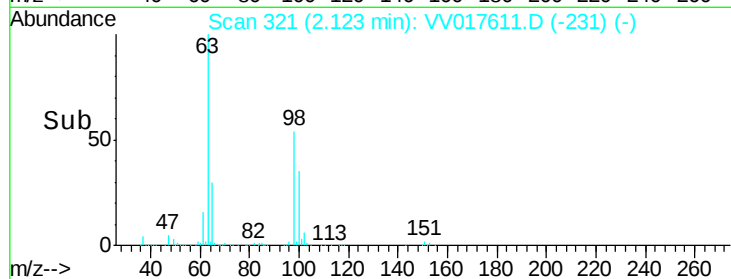
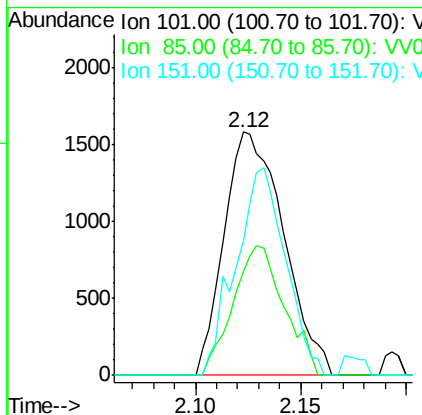
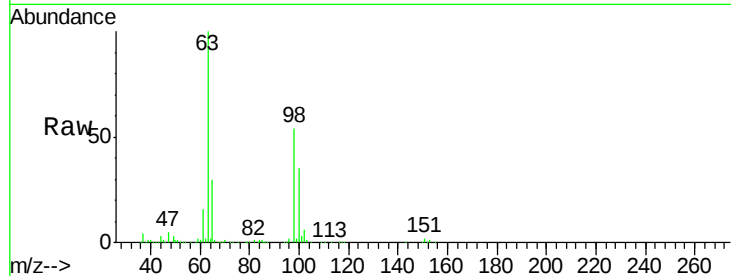
ClientSampled :

MDL06

Tot Ion:	101	Resp:	3093
Ion Ratio	Lower	Upper	
101	100		
85	45.8	34.6	51.8
151	71.3	63.5	95.3

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.297 ug/L

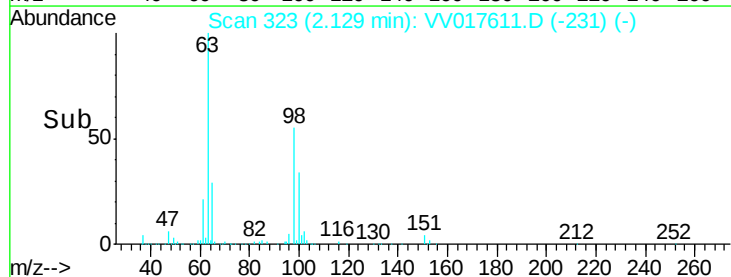
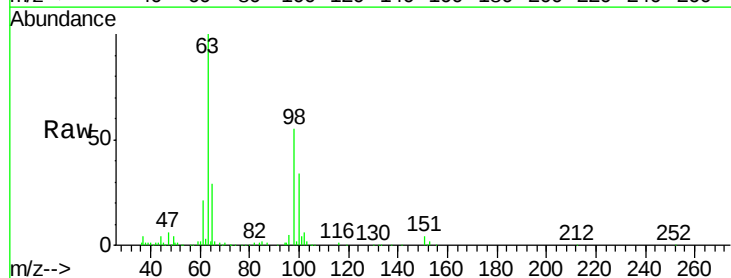
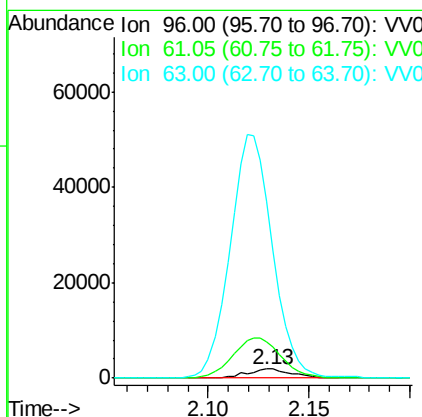
RT: 2.13 min Scan# 323

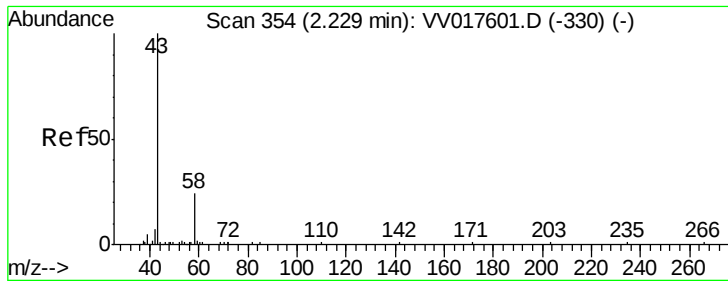
Delta R.T. -0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Tgt Ion:	96	Resp:	2910
Ion Ratio	Lower	Upper	
96	100		
61	394.6	123.1	228.7#
63	1891.6	91.2	169.4#





#13

Acetone

Concen: 2.296 ug/L m

RT: 2.24 min Scan# 358

Delta R.T. 0.03 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 43 Resp: 3742

Ion Ratio Lower Upper

43 100

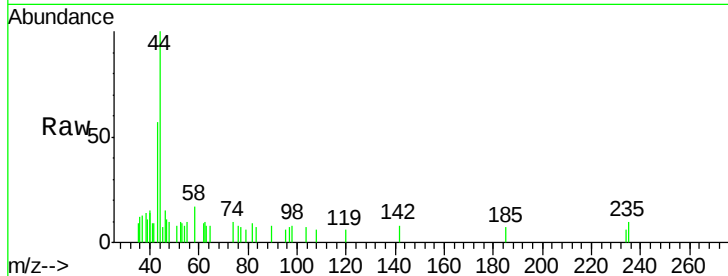
58 2.7 0.0 18.6

Manual Integrations

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7/24/2020 7:06:57 PM



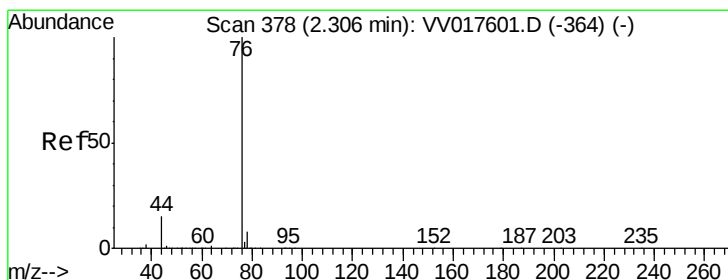
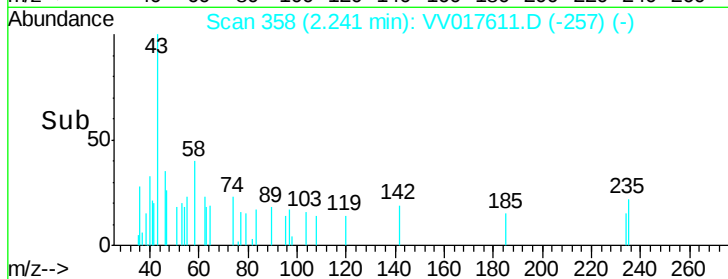
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.24

2.20 2.30

Time-->



#14

Carbon disulfide

Concen: 0.258 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017611.D

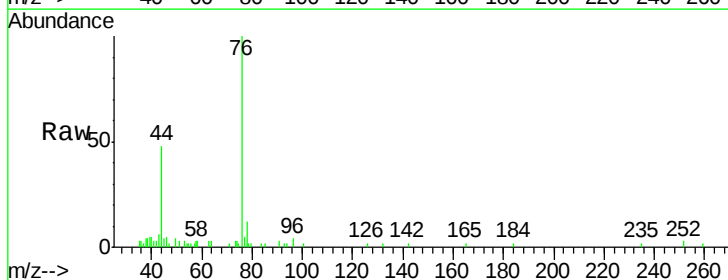
Acq: 23 Jul 2020 18:38

Tgt Ion: 76 Resp: 7684

Ion Ratio Lower Upper

76 100

78 12.1 6.6 10.0#



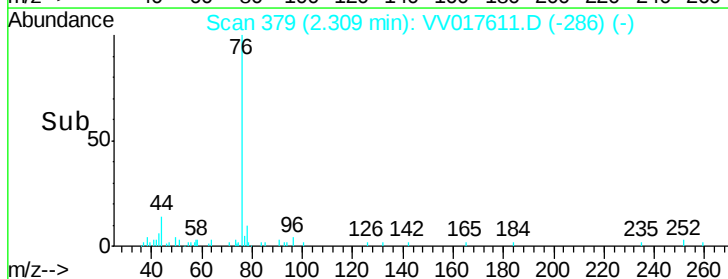
Abundance Ion 76.05 (75.75 to 76.75): VV0

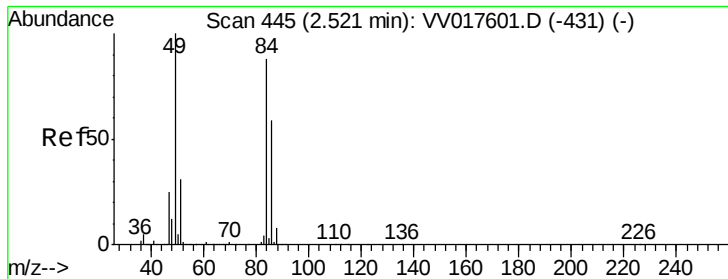
Ion 78.00 (77.70 to 78.70): VV0

2.31

2.25 2.35

Time-->





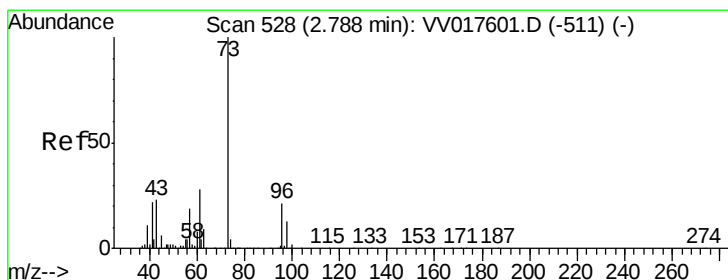
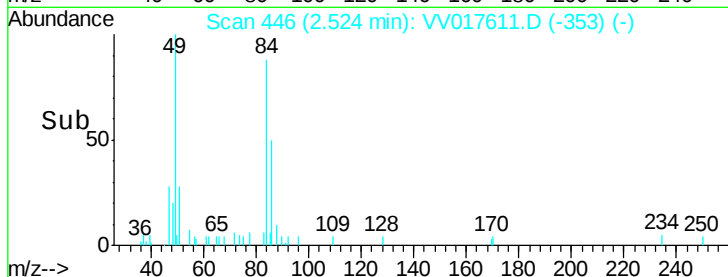
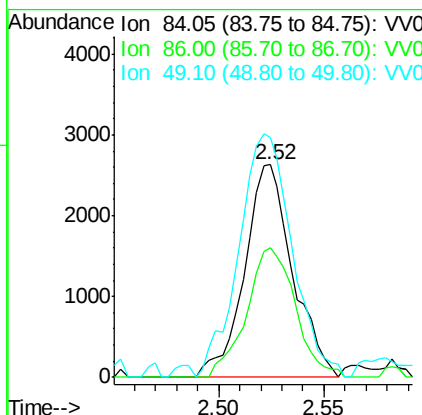
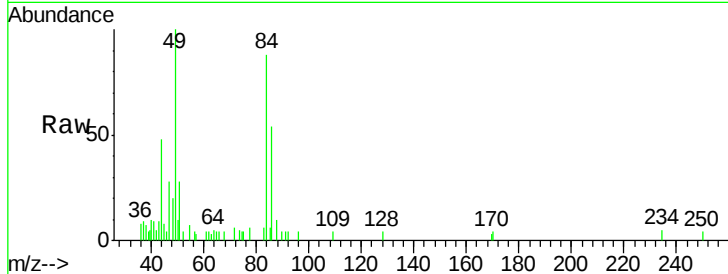
#16
Methylene chloride
Concen: 0.382 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:38

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion	84	Resp	4166
Ion Ratio	Lower	Upper	
84	100		
86	60.8	46.5	86.3
49	113.1	79.2	147.2

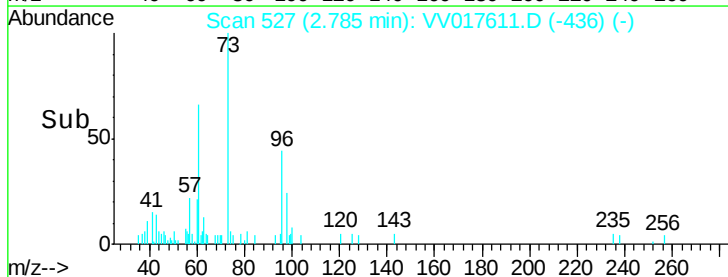
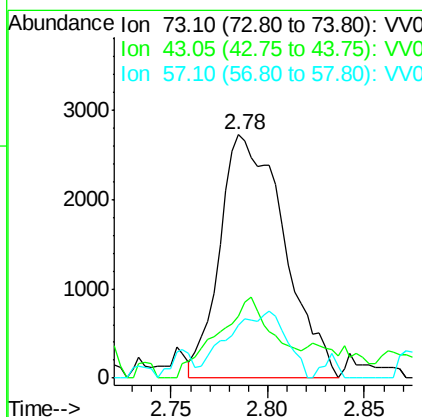
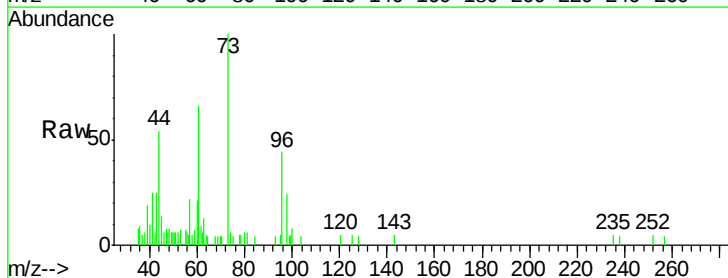
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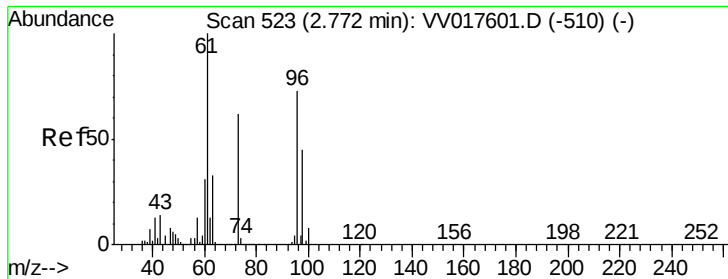
Sam
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#17
Methyl tert-butyl Ether
Concen: 0.250 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.01 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:38

Tgt Ion	73	Resp	6292
Ion Ratio	Lower	Upper	
73	100		
43	29.8	18.3	27.5#
57	25.2	16.7	25.1#





#18

trans-1,2-Dichloroethene

Concen: 0.269 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

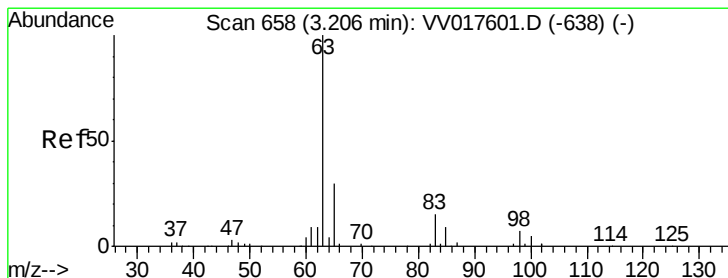
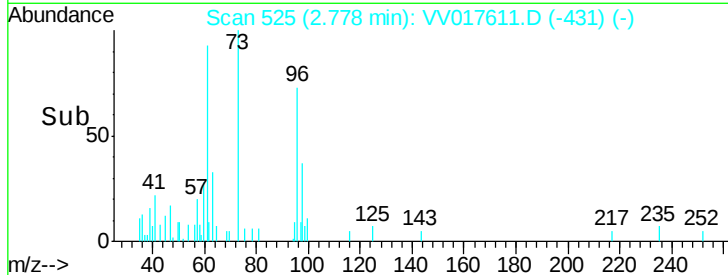
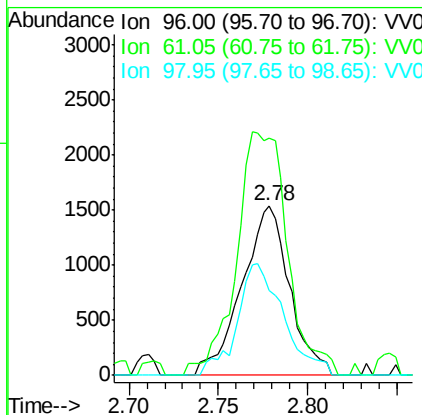
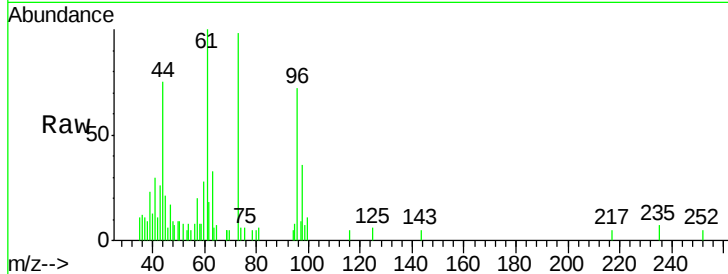
ClientSampled :

MDL06

Tot Ion:	96	Resp:	2872
Ion	Ratio	Lower	Upper
96	100		
61	139.5	96.0	178.4
98	49.9	43.5	80.9

Manual Integrations
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#19

1,1-Dichloroethane

Concen: 0.259 ug/L

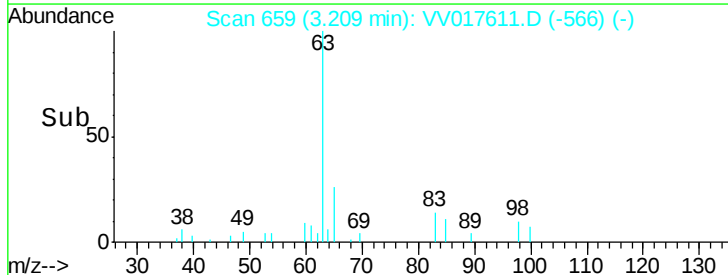
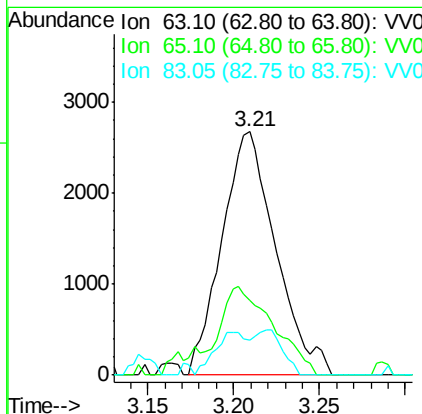
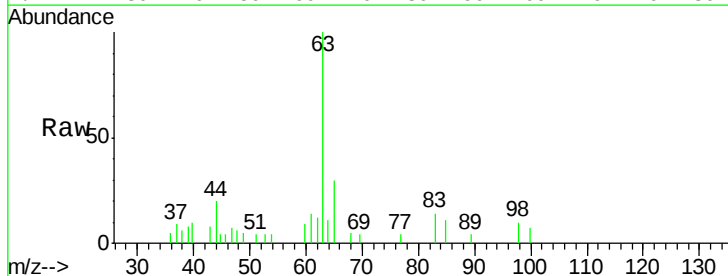
RT: 3.21 min Scan# 659

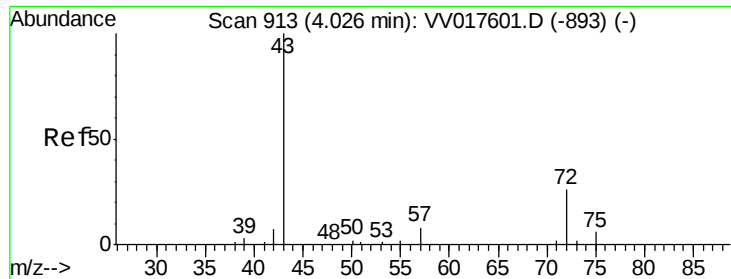
Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Tgt Ion:	63	Resp:	5831
Ion	Ratio	Lower	Upper
63	100		
65	30.4	21.4	39.8
83	14.4	10.4	19.4





#21

2-Butanone

Concen: 1.813 ug/L m

RT: 4.05 min Scan# 921

Delta R.T. 0.02 min

Lab File: VV017611.D

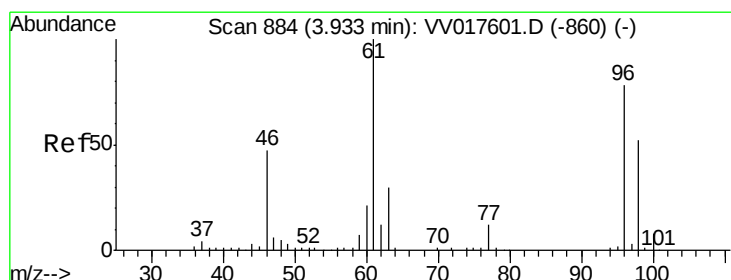
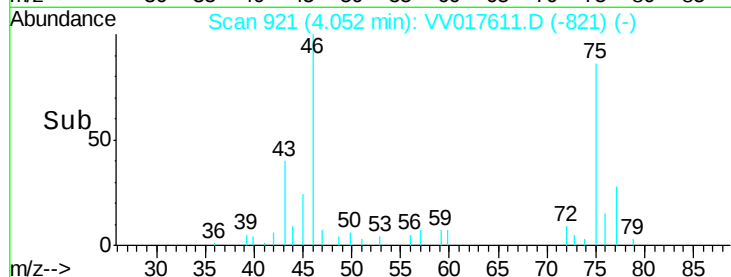
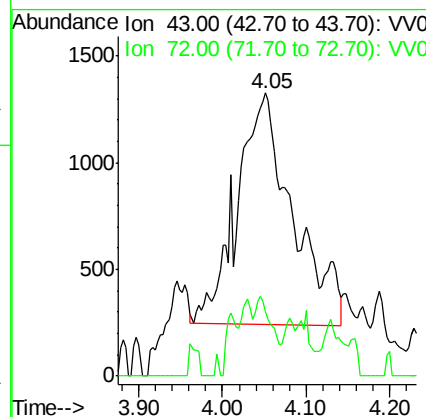
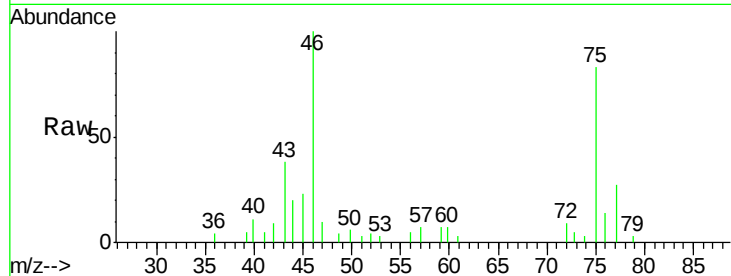
Acq: 23 Jul 2020 18:38

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion	43	Ratio	Lower	Upper
43	100			
72	5.6	13.0	38.9#	

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#22

cis-1,2-Dichloroethene

Concen: 0.255 ug/L

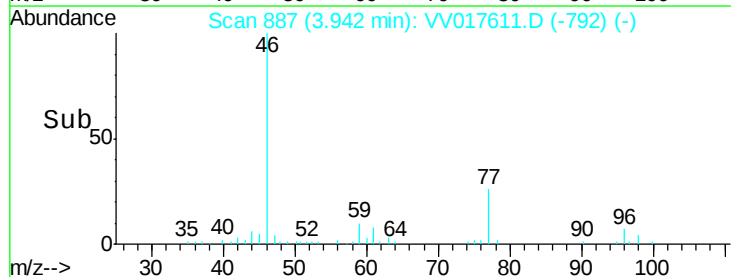
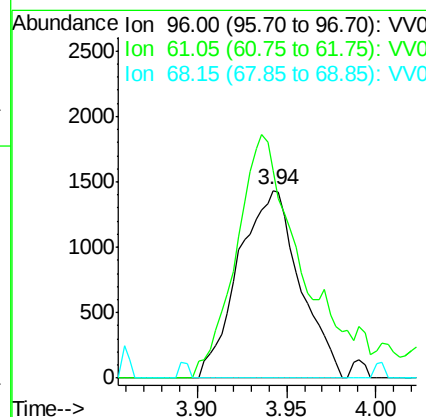
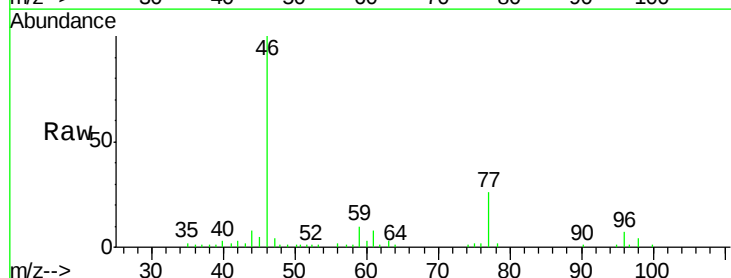
RT: 3.94 min Scan# 887

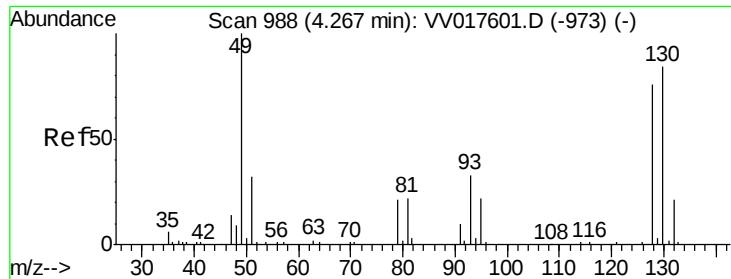
Delta R.T. 0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Tgt Ion	96	Ratio	Lower	Upper
96	100			
61	103.0	89.6	166.4	
68	0.0	0.0	0.0	





#23

Bromochloromethane

Concen: 0.264 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

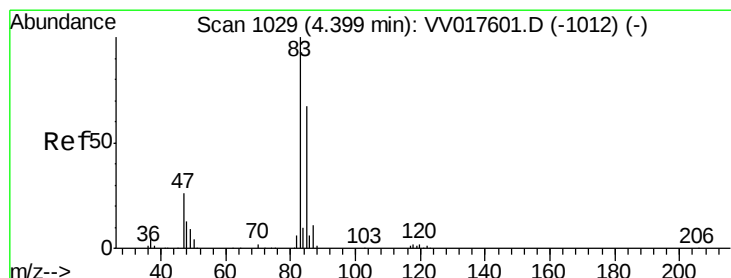
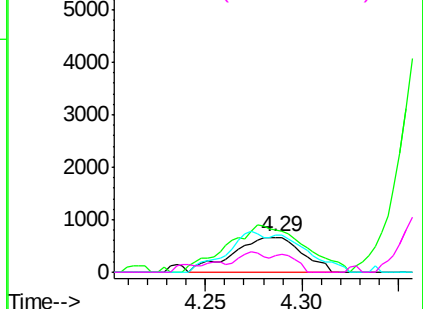
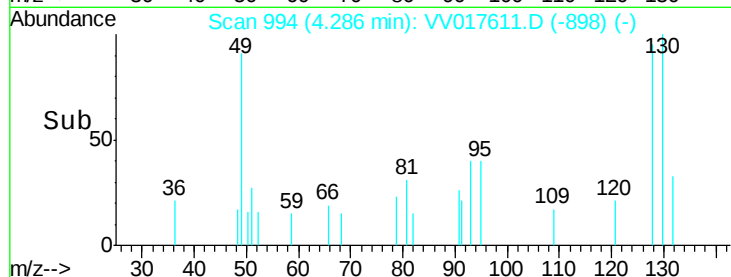
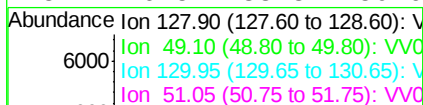
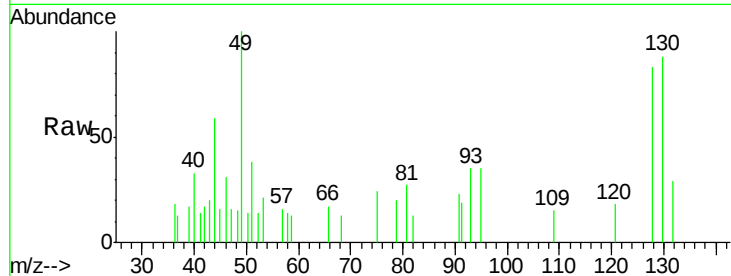
ClientSampleId :

MDL06

Tot Ion:	128	Resp:	1640
Ion	Ratio	Lower	Upper
128	100		
49	120.8	92.2	171.2
130	105.7	77.2	143.4
51	46.5	33.8	50.6

Manual Integrations
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#25

Chloroform

Concen: 0.311 ug/L

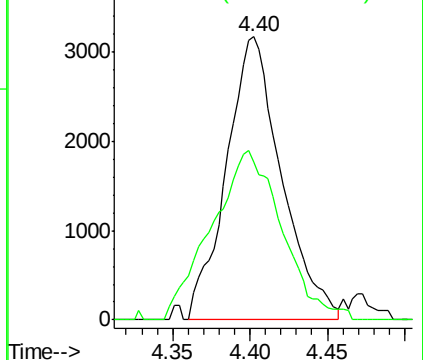
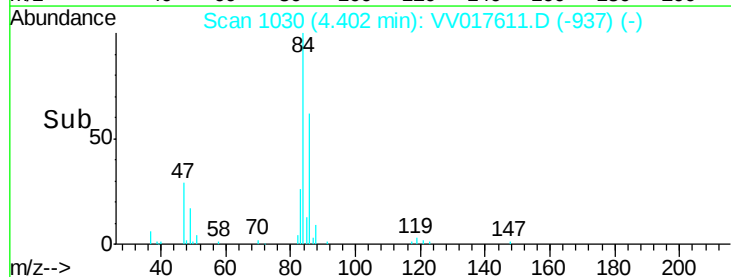
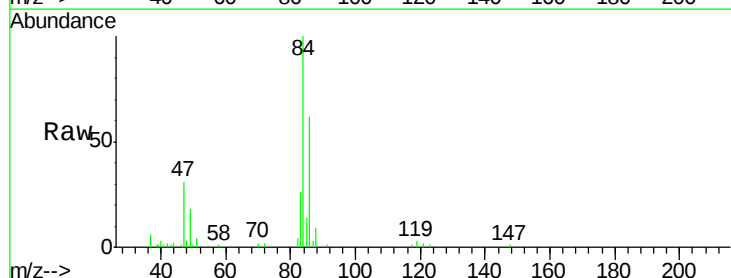
RT: 4.40 min Scan# 1030

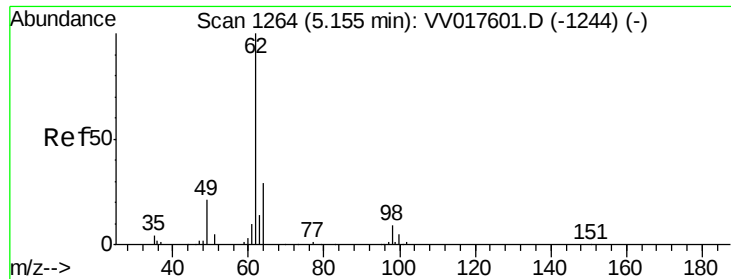
Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Tgt Ion:	83	Resp:	7853
Ion	Ratio	Lower	Upper
83	100		
85	55.6	47.3	87.9





#27

1,2-Dichloroethane

Concen: 0.255 ug/L

RT: 5.17 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 62 Resp: 4175

Ion Ratio Lower Upper

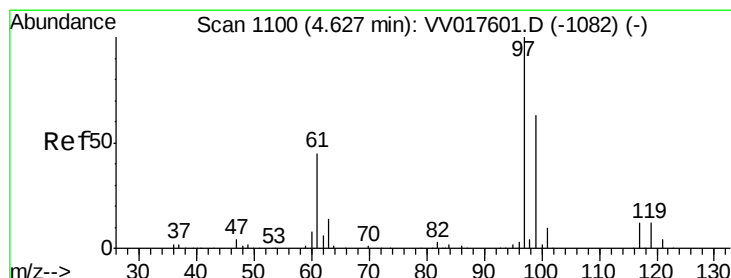
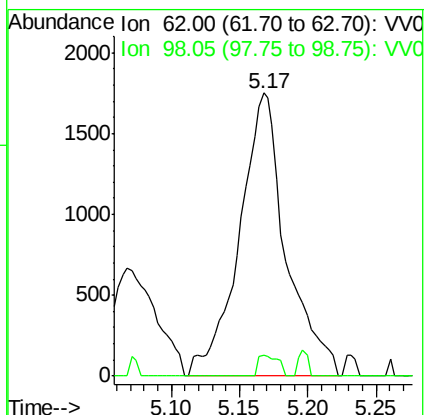
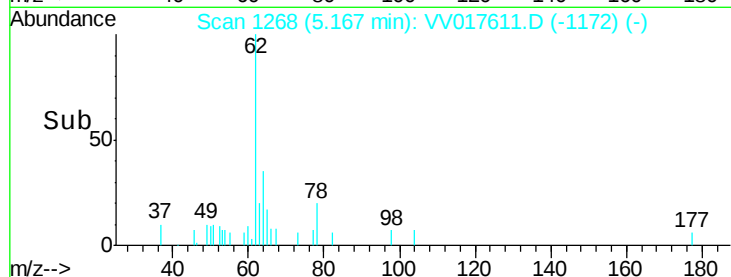
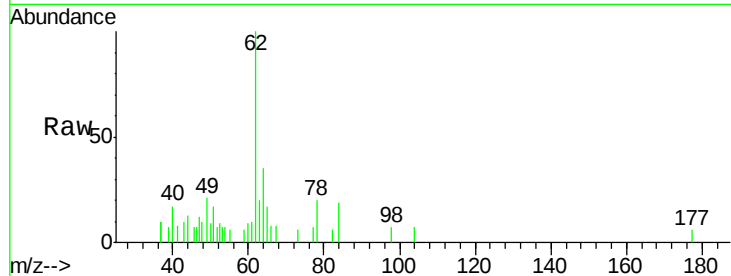
62 100

98 7.5 7.0 10.6

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#29

1,1,1-Trichloroethane

Concen: 0.226 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

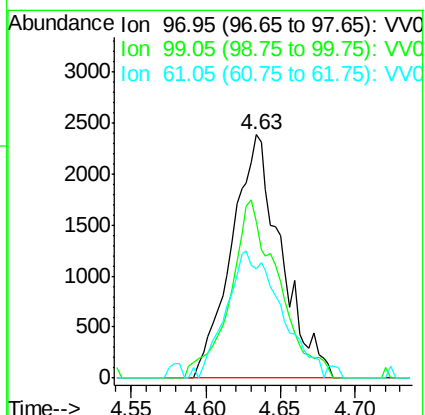
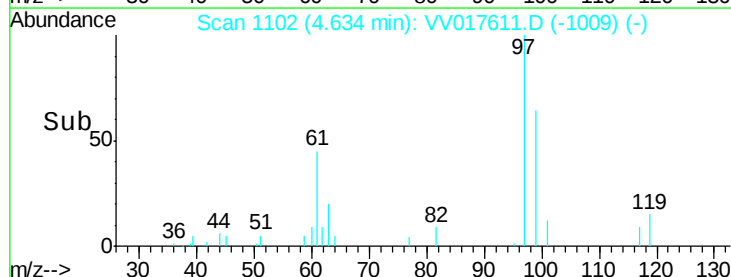
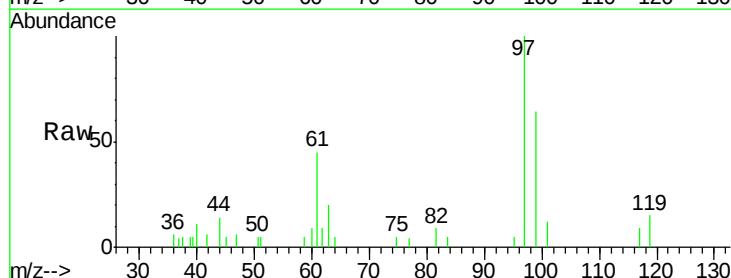
Tgt Ion: 97 Resp: 5488

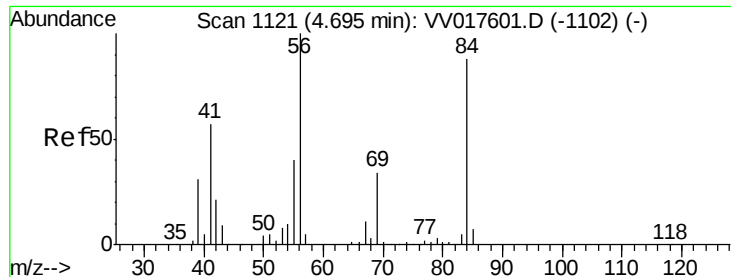
Ion Ratio Lower Upper

97 100

99 71.1 50.6 76.0

61 57.5 35.7 53.5#





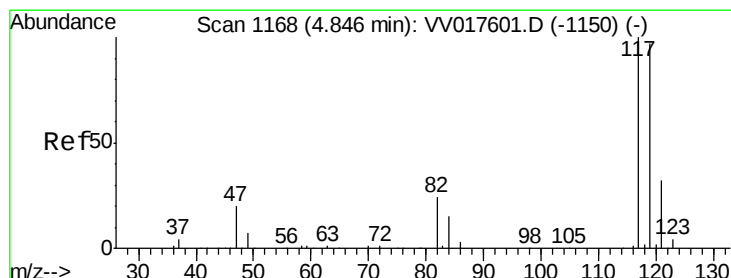
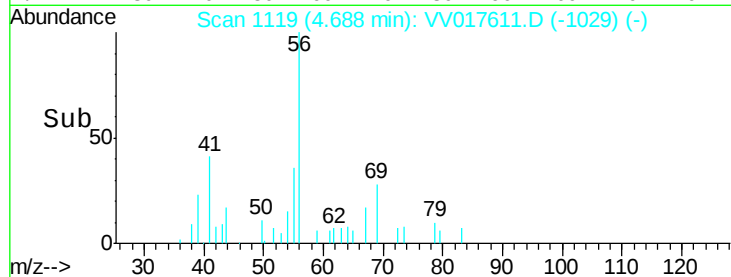
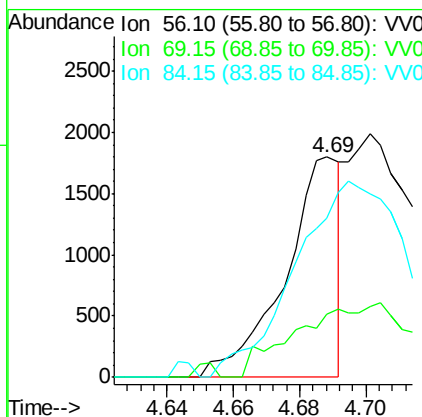
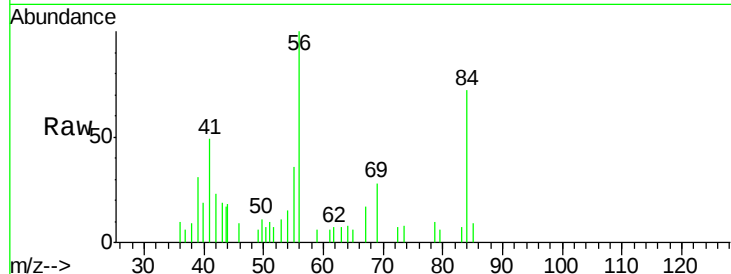
#30
Cyclohexane
Concen: 0.108 ug/L
RT: 4.69 min Scan# 1119
Delta R.T. -0.01 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:38

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.1	25.4	38.2#
84	191.5	73.0	109.4#

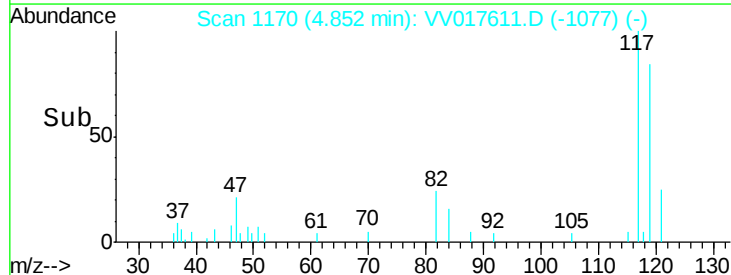
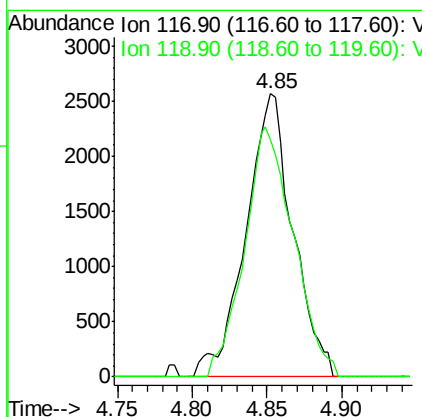
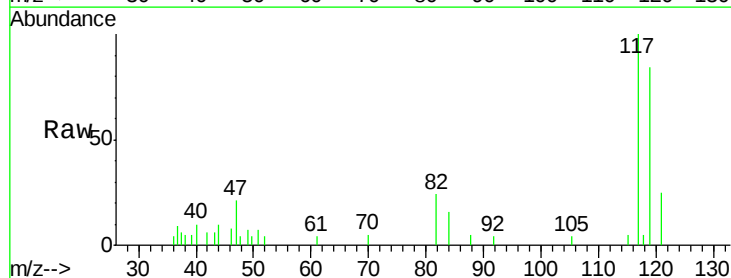
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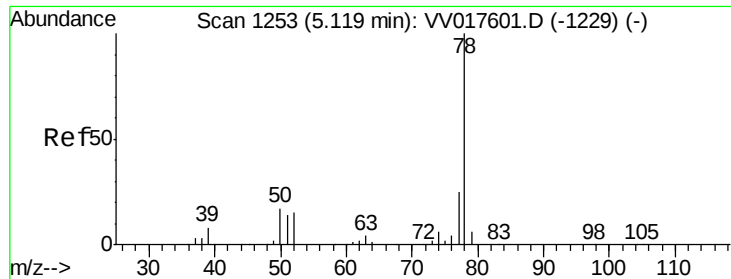
sam
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#31
Carbon tetrachloride
Concen: 0.260 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	76.9	115.3





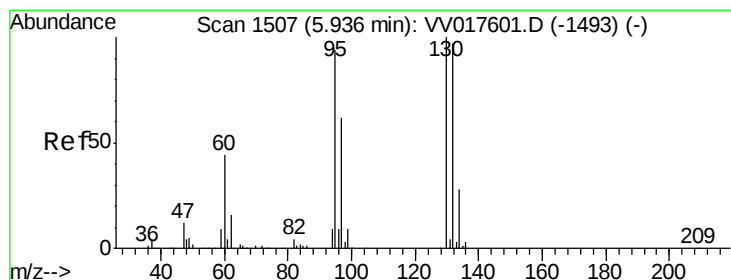
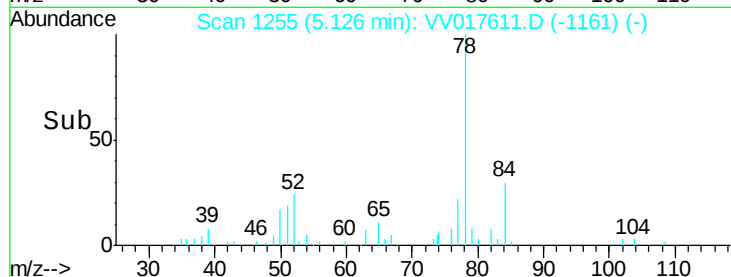
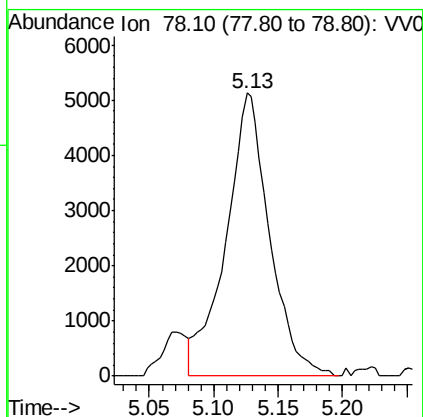
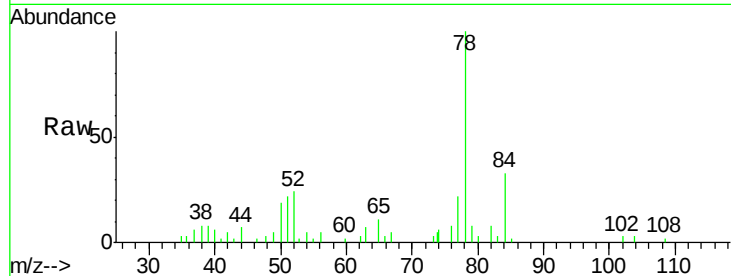
#33
Benzene
Concen: 0.245 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:38

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion: 78 Resp: 12050

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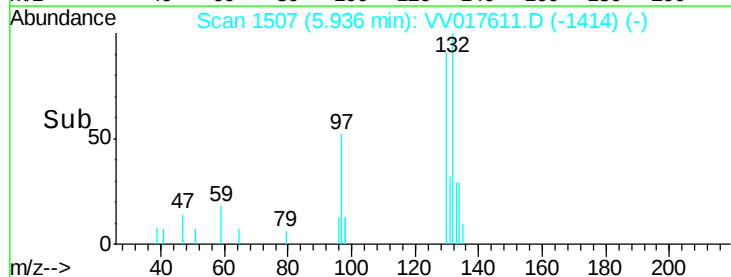
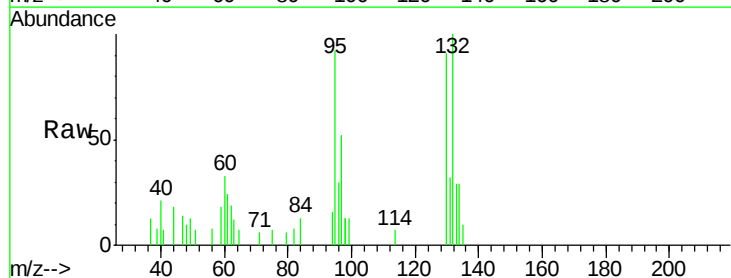
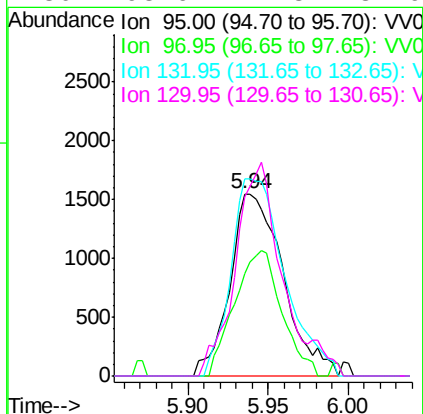
sam
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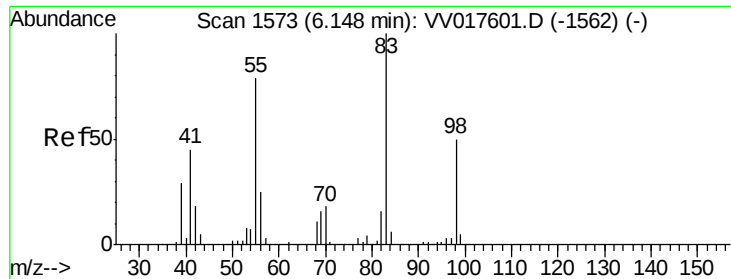


#34
Trichloroethene
Concen: 0.258 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:38

Tgt Ion: 95 Resp: 3534

Ion	Ratio	Lower	Upper
95	100		
97	56.5	46.1	85.5
132	108.3	71.7	133.1
130	98.6	74.3	137.9





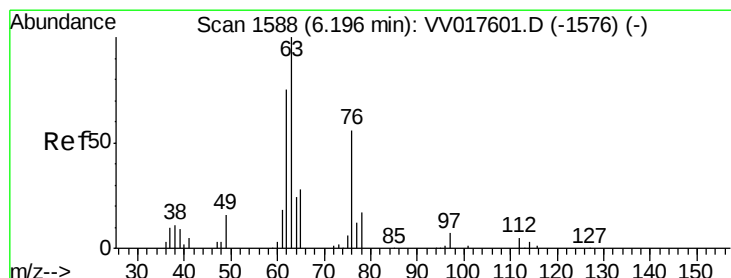
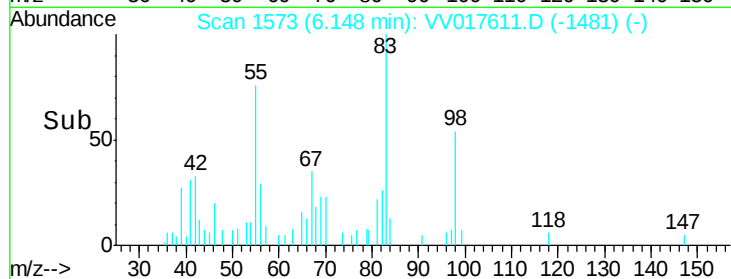
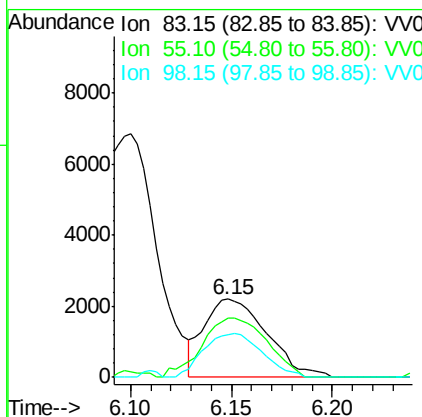
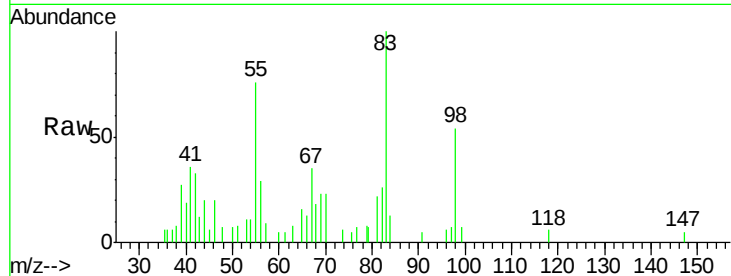
#35
Methvlcvclohexane
Concen: 0.230 ug/L
RT: 6.15 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:38

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	61.8	92.8
98	52.5	39.0	58.6

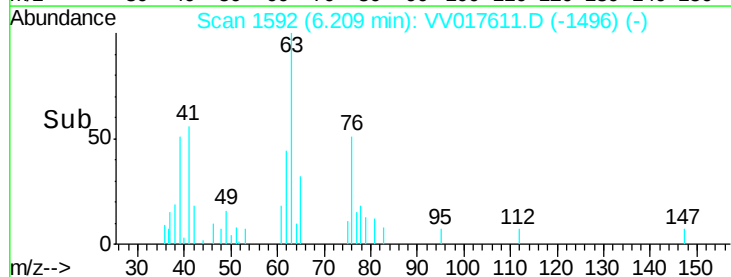
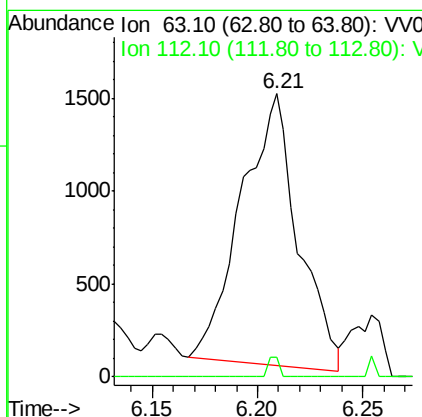
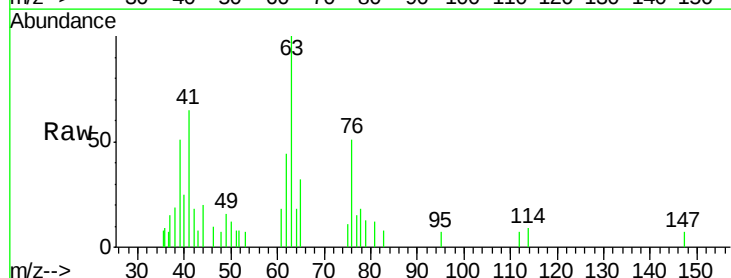
Manual Integrations
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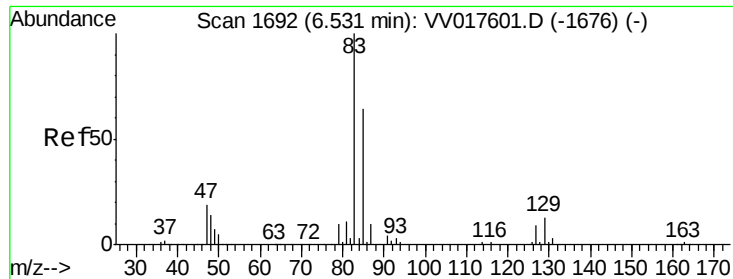
sam
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#37
1,2-Dichloropropane
Concen: 0.237 ug/L
RT: 6.21 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:38

Tgt Ion	Ratio	Lower	Upper
63	100		
112	1.5	4.5	6.7#





#38

Bromodichloromethane

Concen: 0.255 ug/L

RT: 6.54 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

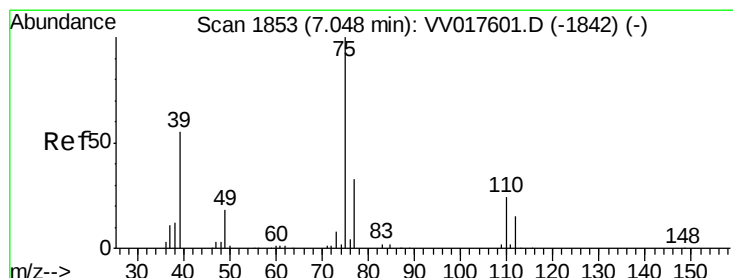
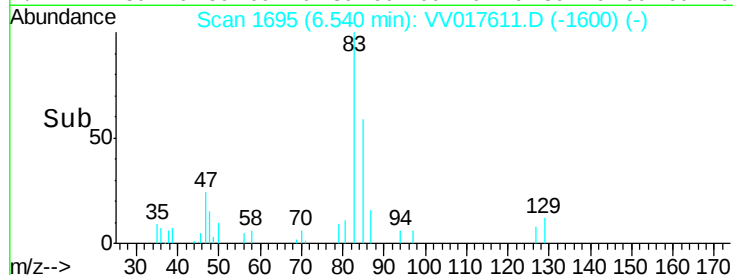
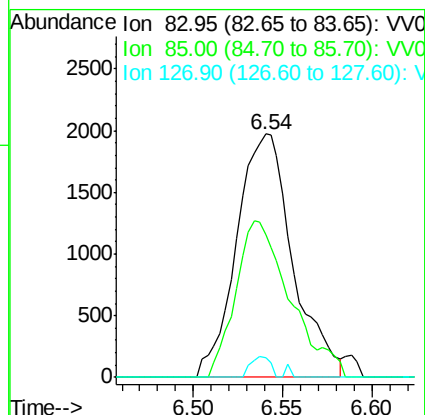
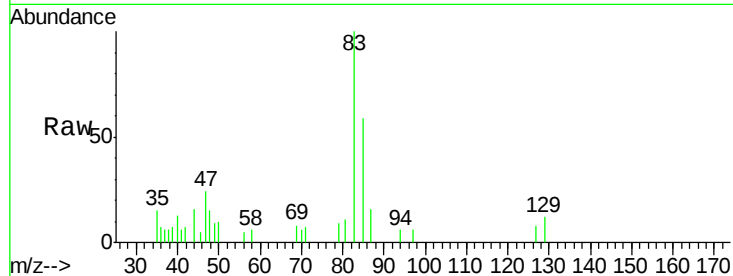
ClientSampled :

MDL06

Tot Ion:	83	Resp:	4331
Ion	Ratio	Lower	Upper
83	100		
85	58.7	44.7	83.1
127	8.3	7.4	11.0

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#39

cis-1,3-Dichloropropene

Concen: 0.226 ug/L

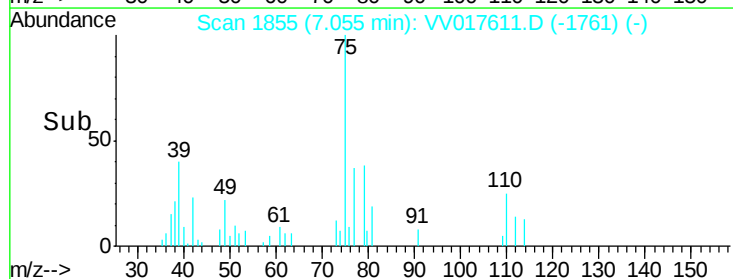
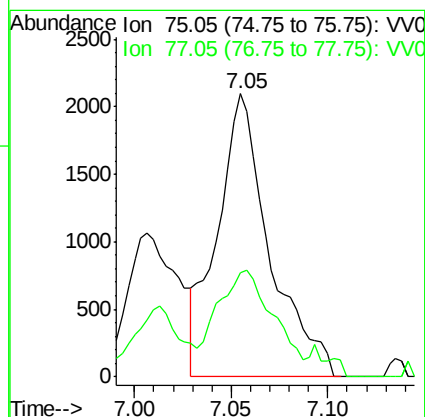
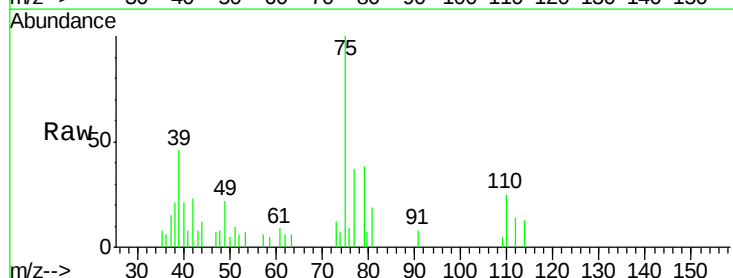
RT: 7.05 min Scan# 1855

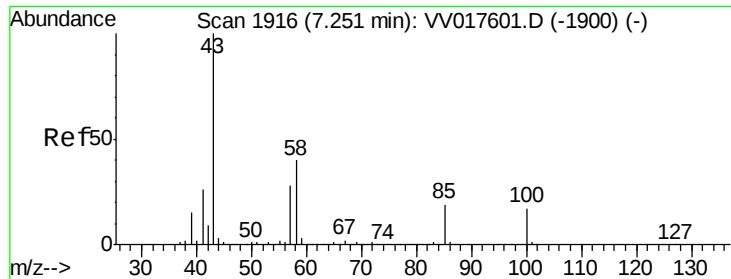
Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Tgt Ion:	75	Resp:	3930
Ion	Ratio	Lower	Upper
75	100		
77	36.8	23.2	43.2





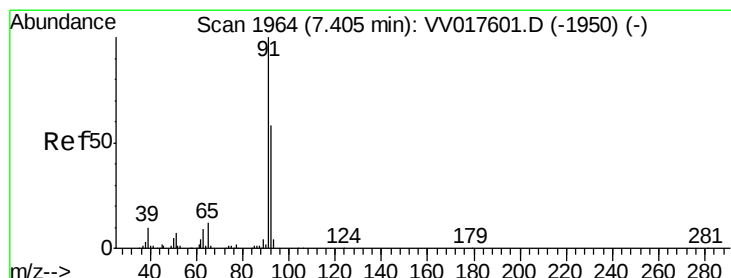
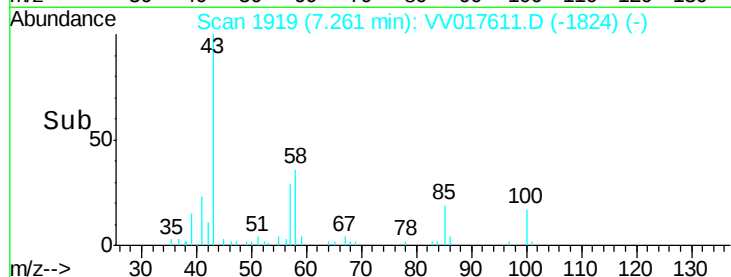
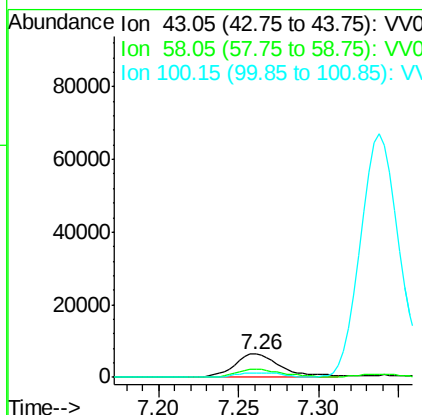
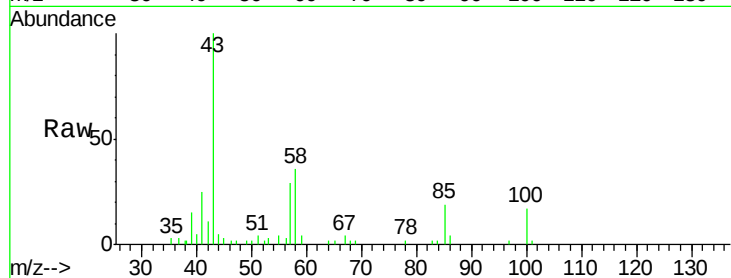
#40
4-Methyl-2-pentanone
Concen: 2.038 ug/L
RT: 7.26 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:38

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.2	31.2	46.8
100	0.0	13.6	20.4

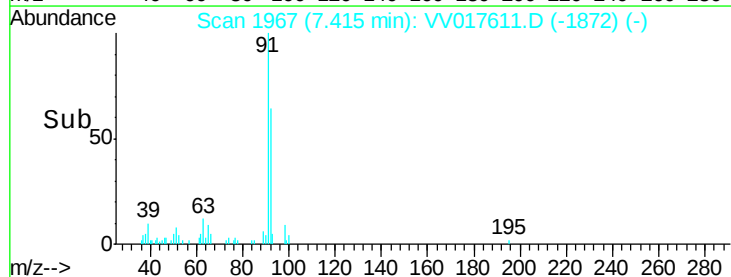
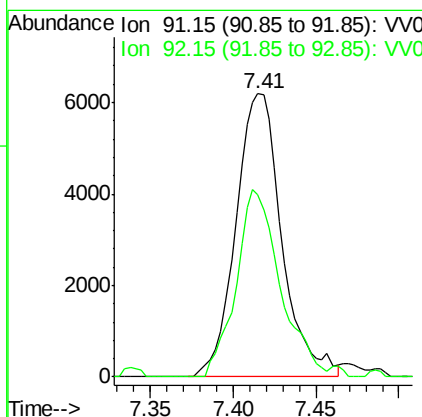
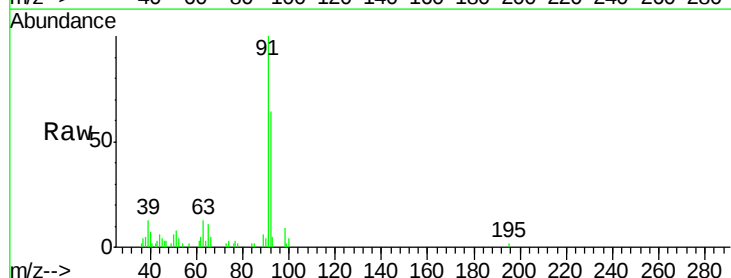
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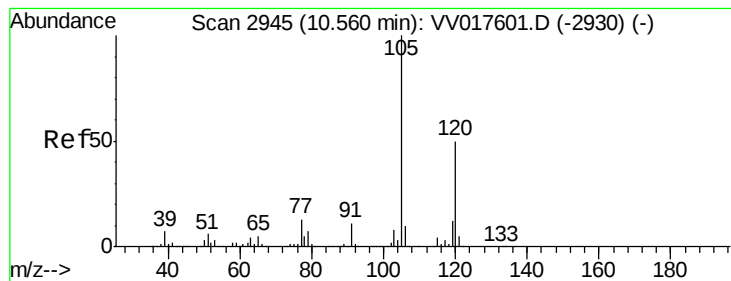
sam
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#42
Toluene
Concen: 0.223 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	64.4	40.8	75.8





#43

1,3,5-Trimethylbenzene

Concen: 0.194 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion:105 Resp: 9729

Ion Ratio Lower Upper

105 100

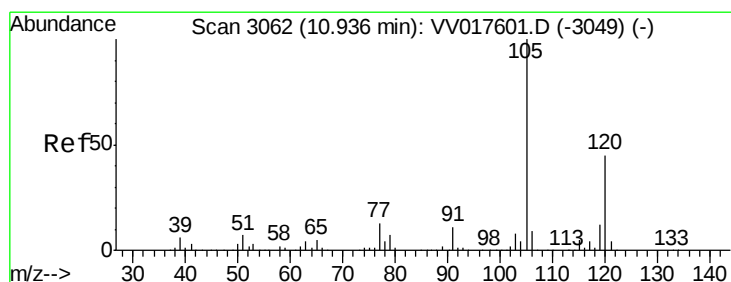
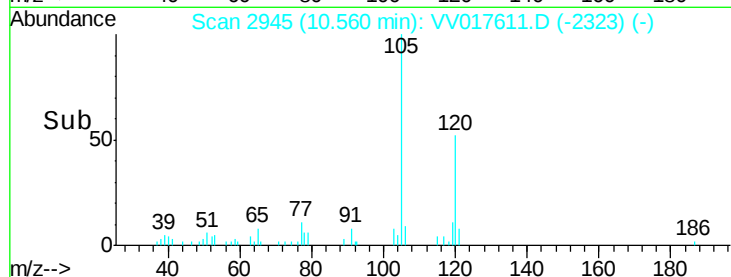
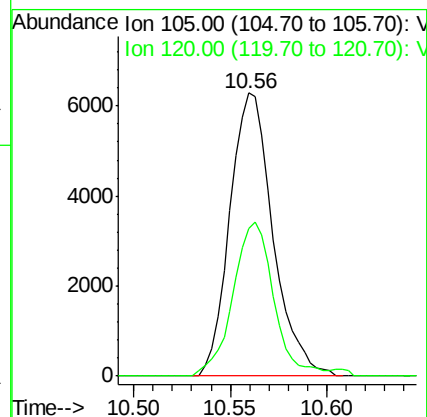
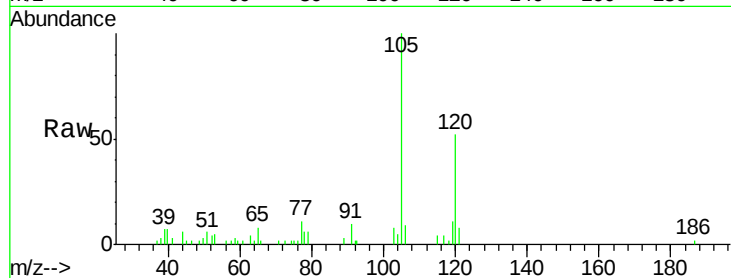
120 51.4 39.4 59.2

Manual Integrations

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#44

1,2,4-Trimethylbenzene

Concen: 0.184 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VV017611.D

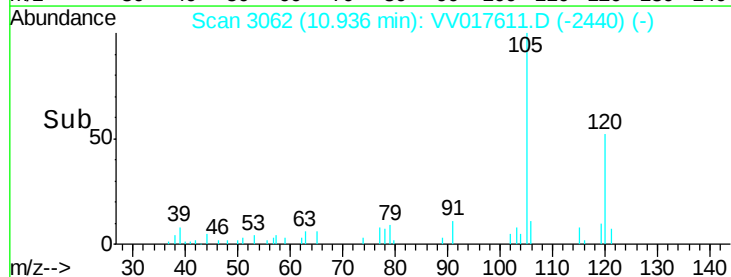
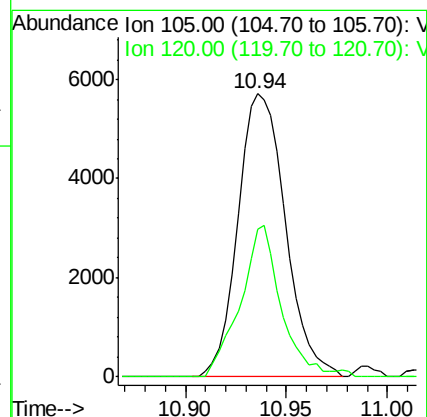
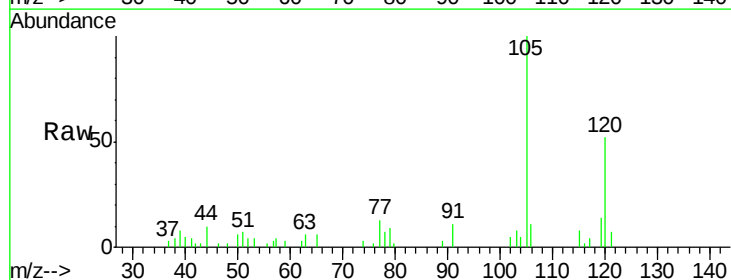
Acq: 23 Jul 2020 18:38

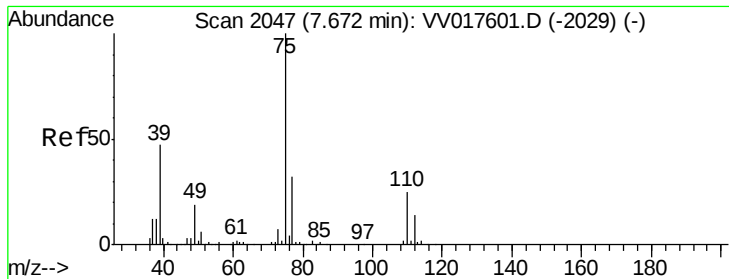
Tgt Ion:105 Resp: 9426

Ion Ratio Lower Upper

105 100

120 45.5 35.9 53.9





#46

trans-1,3-Dichloropropene

Concen: 0.272 ug/L m

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 75 Resp: 4248

Ion Ratio Lower Upper

75 100

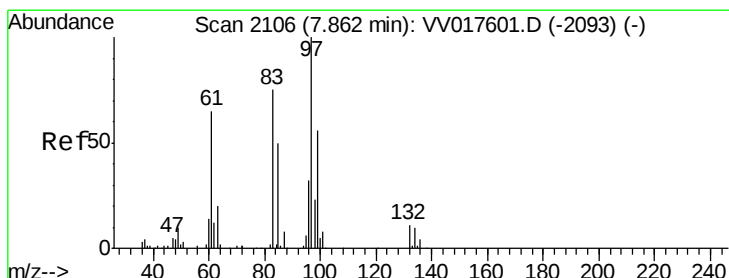
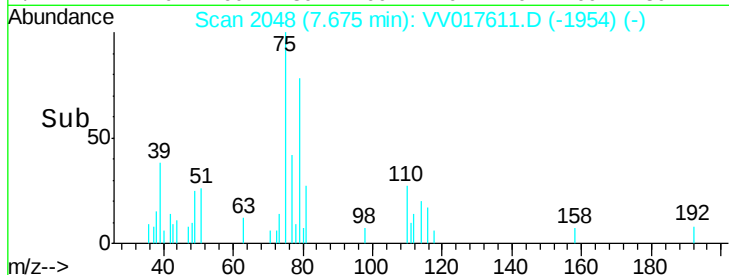
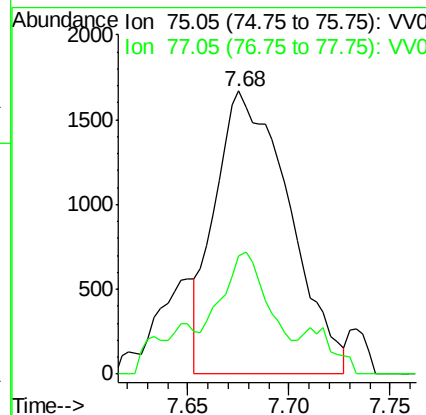
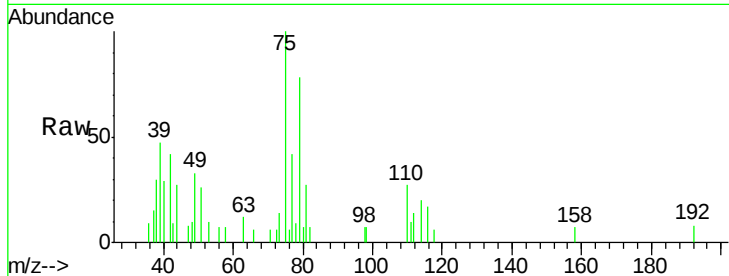
77 41.7 22.5 41.7

Manual Integrations

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#47

1,1,2-Trichloroethane

Concen: 0.274 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Tgt Ion: 97 Resp: 2397

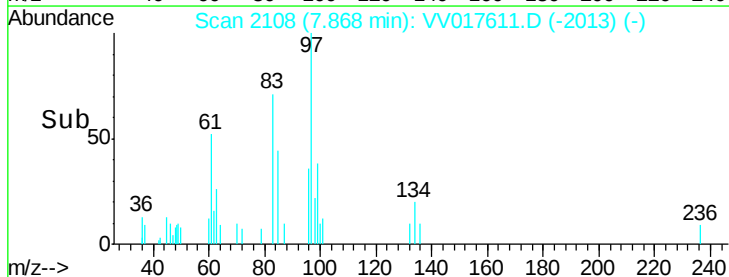
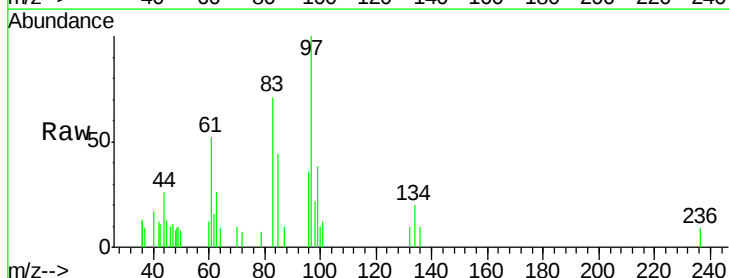
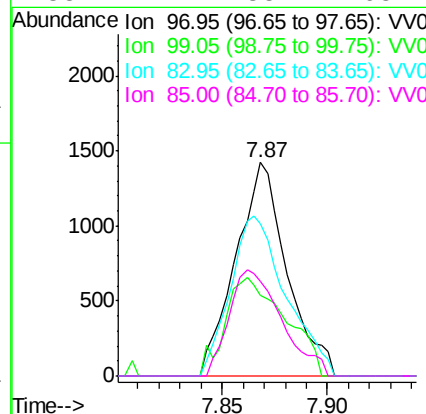
Ion Ratio Lower Upper

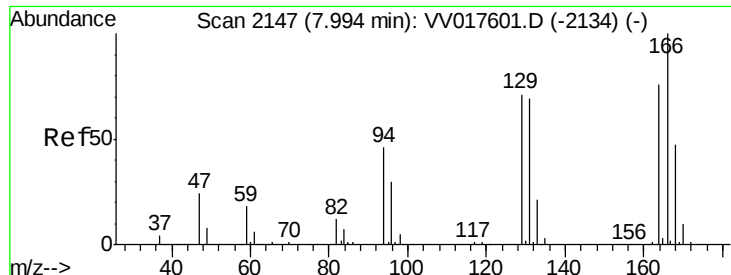
97 100

99 37.6 39.5 73.4#

83 71.2 52.6 97.6

85 44.4 35.1 65.1





#49

Tetrachloroethene

Concen: 0.240 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion:164 Resp: 2905

Ion Ratio Lower Upper

164 100

129 100.1 65.0 120.8

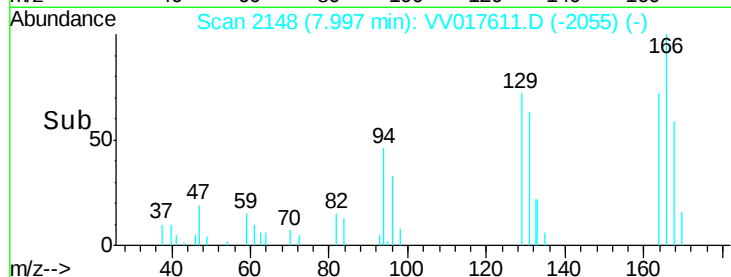
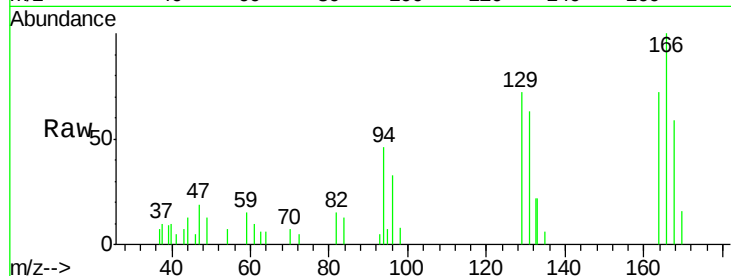
131 87.6 63.6 118.2

166 138.7 91.7 170.3

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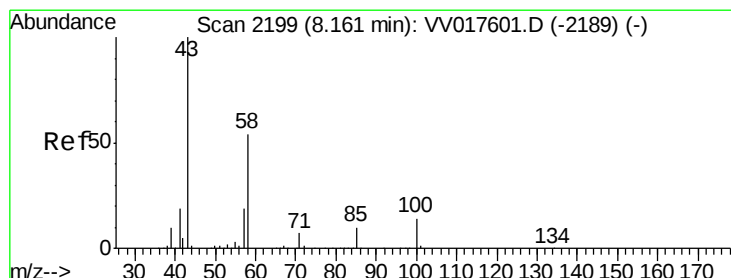
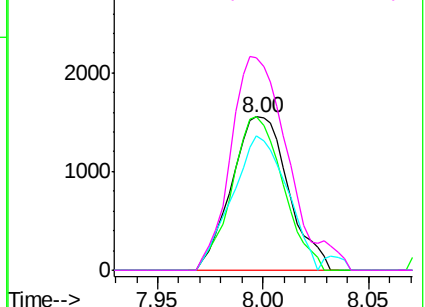


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.291 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Tgt Ion: 43 Resp: 14739

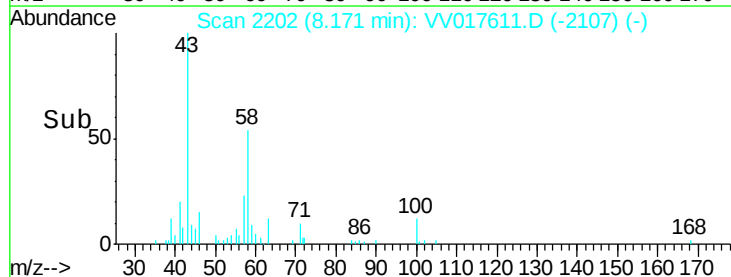
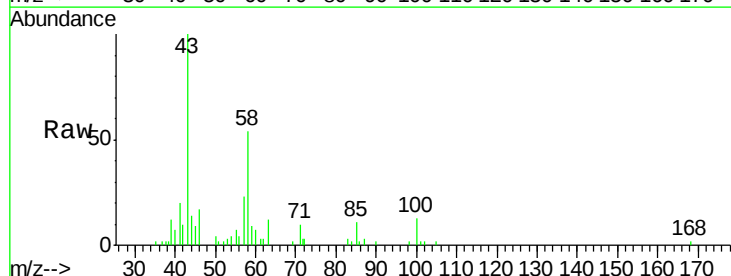
Ion Ratio Lower Upper

43 100

58 59.7 41.6 62.4

57 18.1 15.4 23.0

100 13.4 11.2 16.8

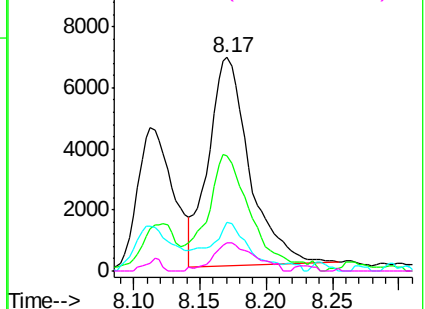


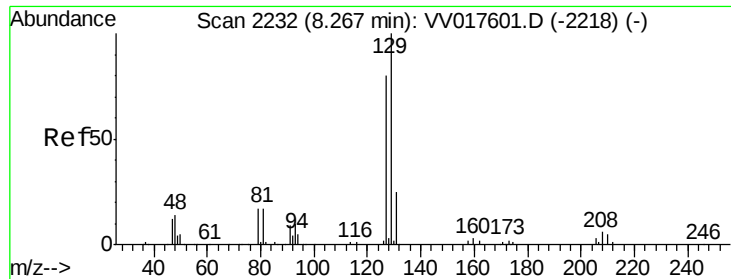
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 0.251 ug/L

RT: 8.27 min Scan# 2234

Delta R.T. 0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion:129 Resp: 2799

Ion Ratio Lower Upper

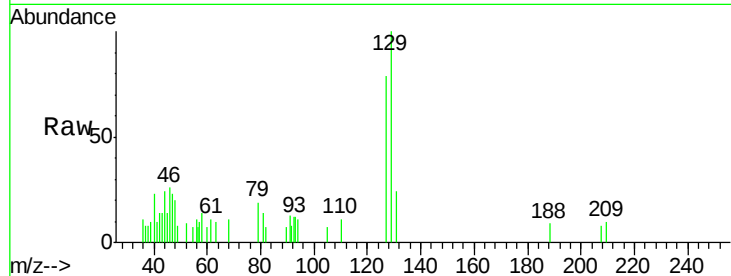
129 100

127 79.2 56.3 104.5

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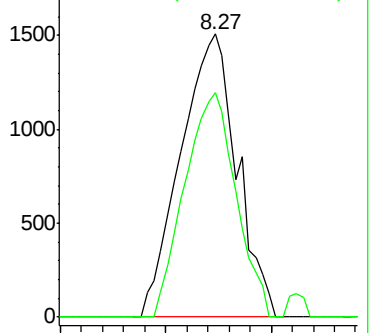
sam

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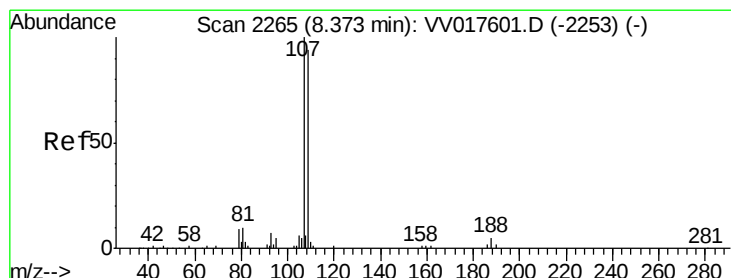
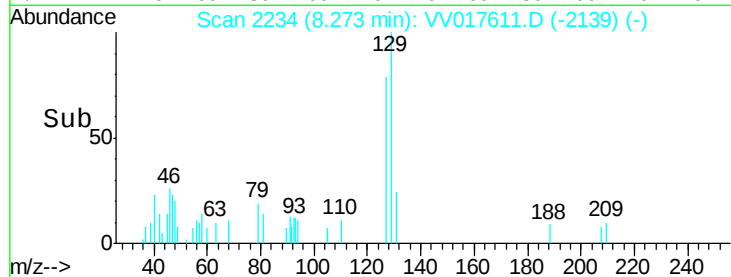


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



Time--> 8.20 8.25 8.30



#52

1,2-Dibromoethane

Concen: 0.259 ug/L

RT: 8.38 min Scan# 2268

Delta R.T. 0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

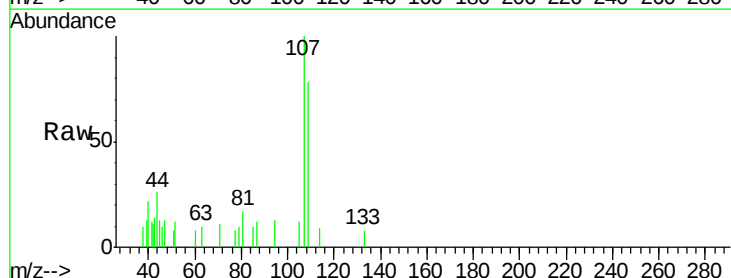
Tgt Ion:107 Resp: 2137

Ion Ratio Lower Upper

107 100

109 77.8 65.5 121.7

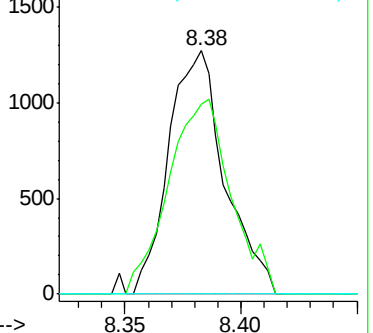
188 0.0 3.7 5.5#



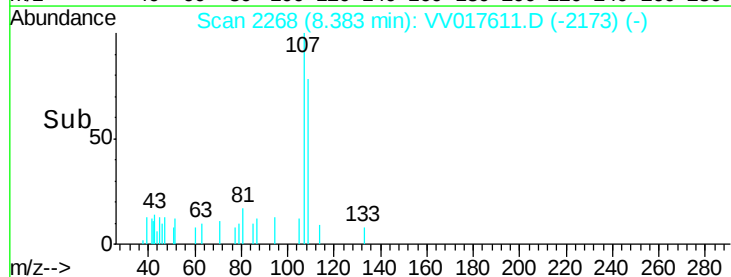
Abundance Ion 106.95 (106.65 to 107.65): V

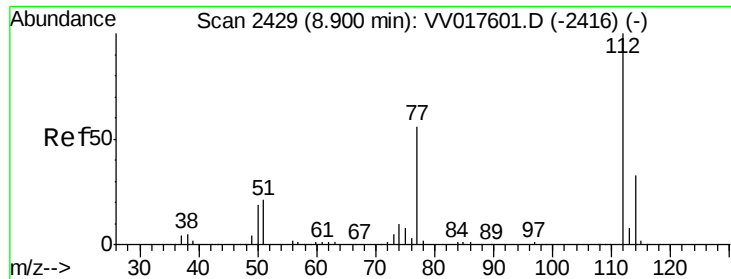
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



Time--> 8.35 8.40





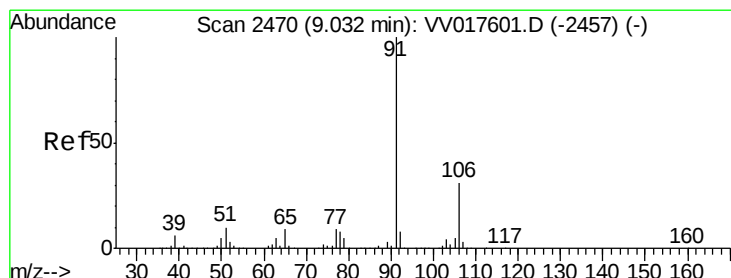
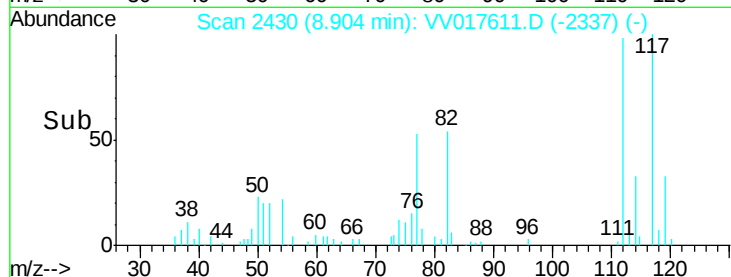
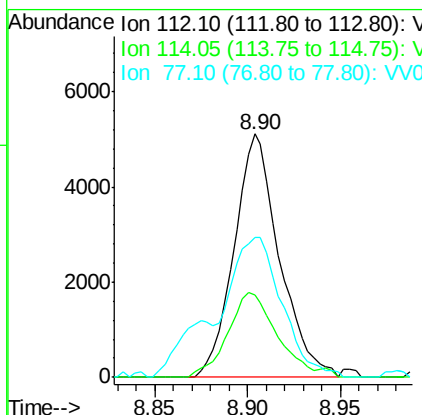
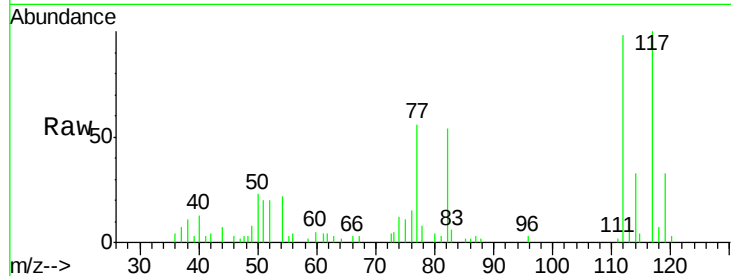
#53
Chlorobenzene
Concen: 0.242 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:38

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.0	23.2	43.2
77	57.3	45.6	68.4

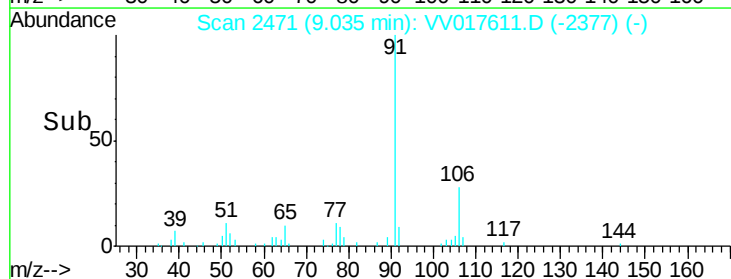
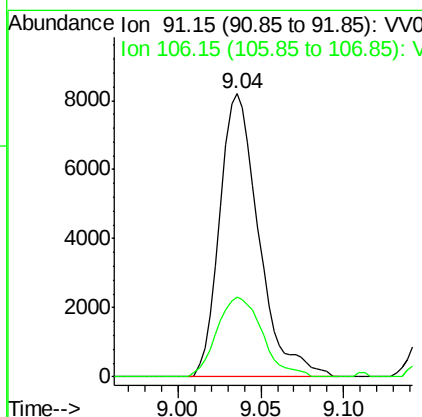
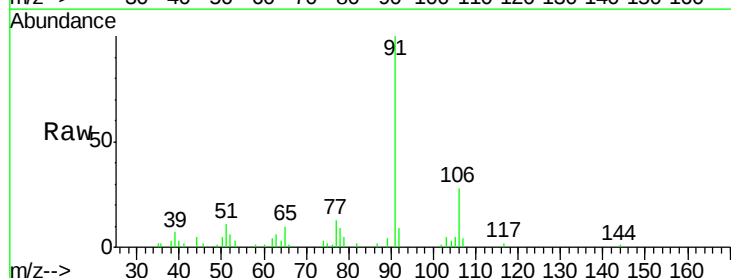
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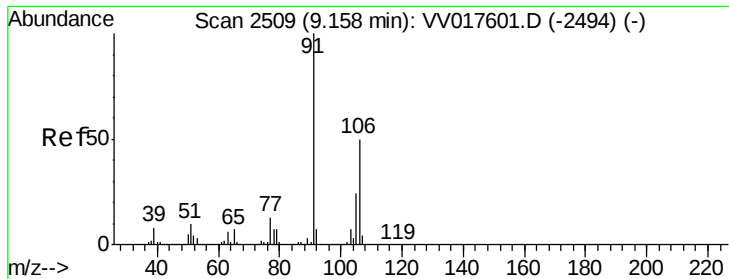
sam
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#54
Ethylbenzene
Concen: 0.224 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:38

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.4	21.6	40.2





#55

m,p-xylene

Concen: 0.196 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion:106 Resp: 4421

Ion Ratio Lower Upper

106 100

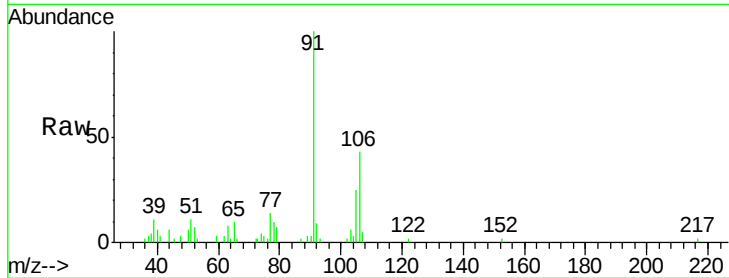
91 235.1 141.3 262.3

Manual Integrations

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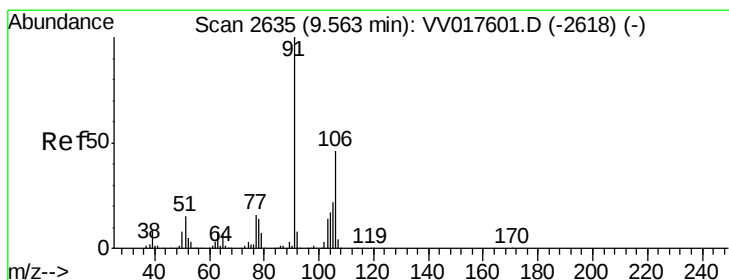
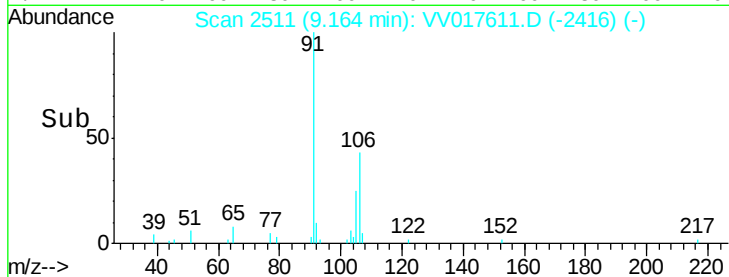
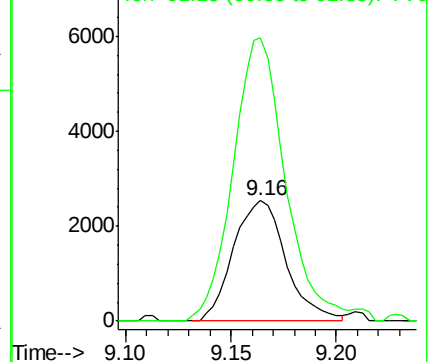
sam

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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 0.202 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017611.D

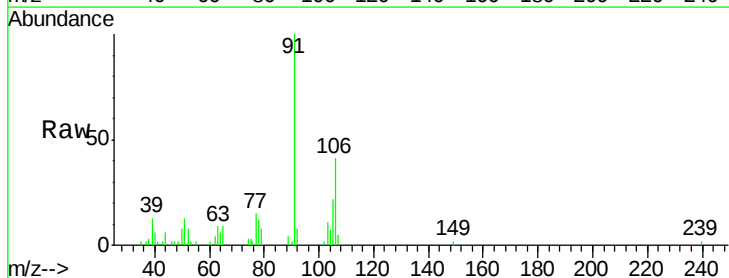
Acq: 23 Jul 2020 18:38

Tgt Ion:106 Resp: 4423

Ion Ratio Lower Upper

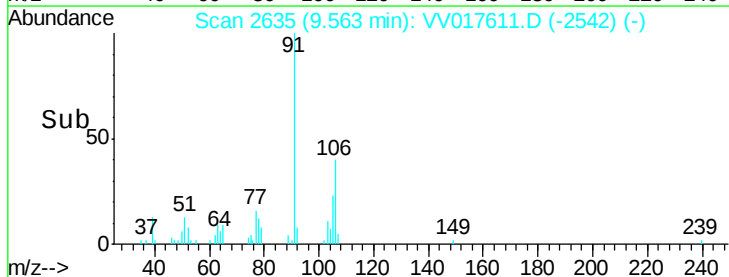
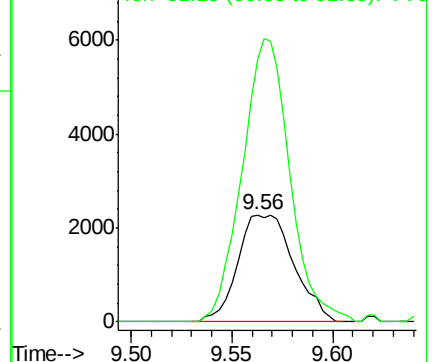
106 100

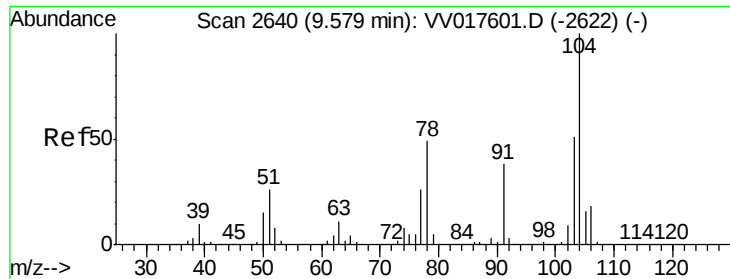
91 245.9 153.9 285.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#57

Stvrene

Concen: 0.185 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion:104 Resp: 6772

Ion Ratio Lower Upper

104 100

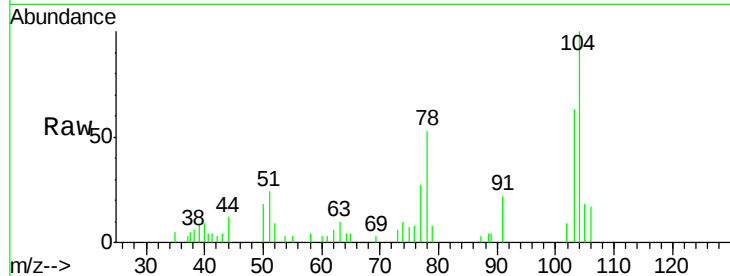
78 52.8 34.0 63.2

Manual Integrations

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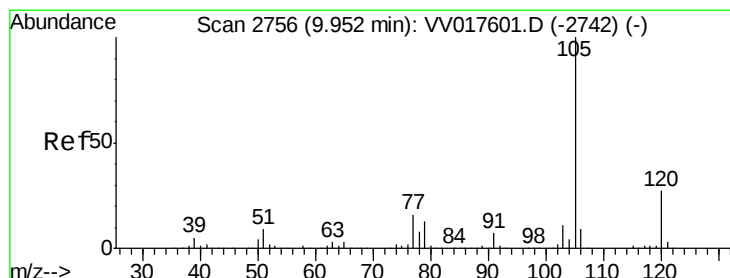
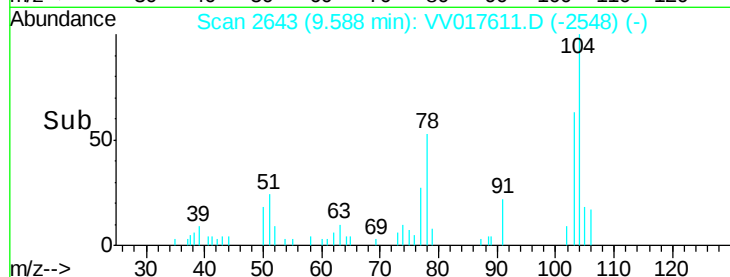
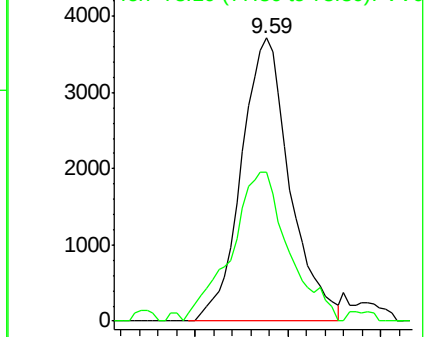
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#58

Isopropylbenzene

Concen: 0.206 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

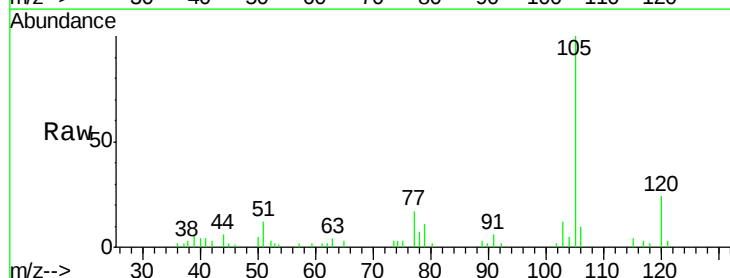
Tgt Ion:105 Resp: 12474

Ion Ratio Lower Upper

105 100

120 25.1 21.1 31.7

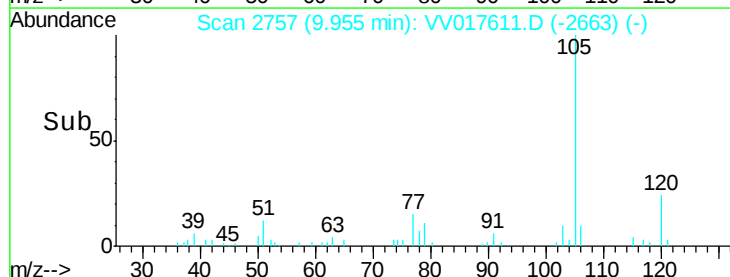
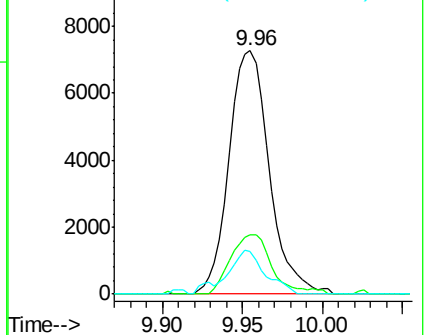
77 15.3 13.0 19.6

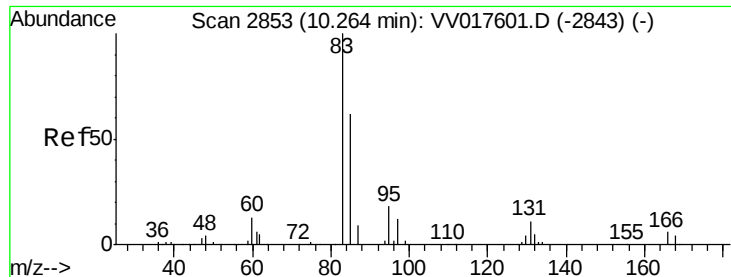


Abundance Ion 105.05 (104.75 to 105.75): V

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: 0.251 ug/L

RT: 10.27 min Scan# 2854

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

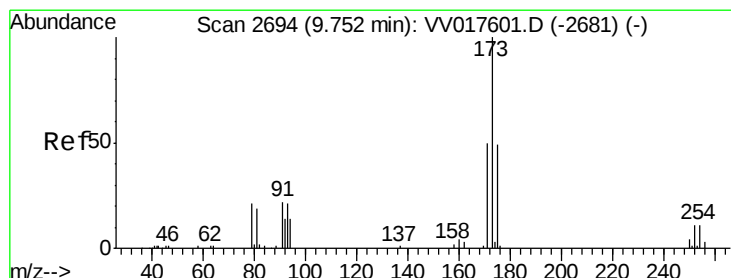
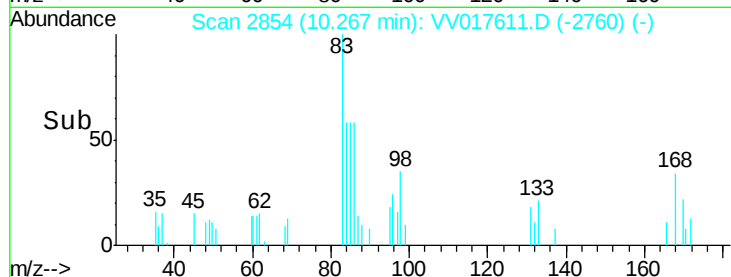
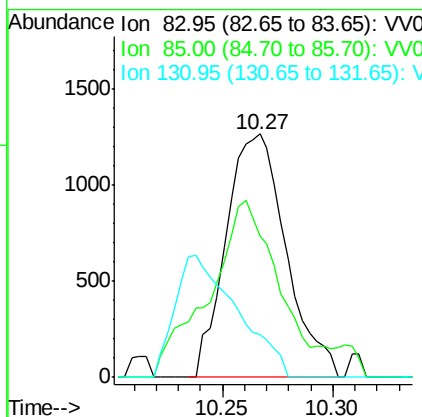
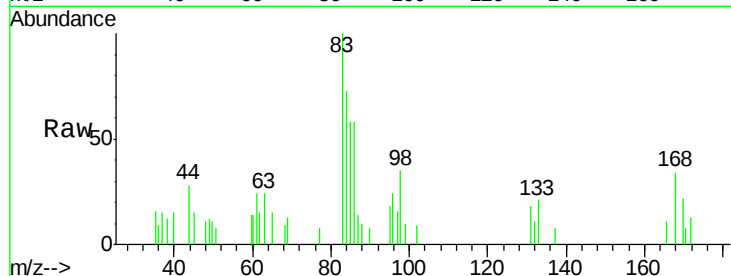
ClientSampled :

MDL06

Tot Ion:	83	Resp:	2392
Ion	Ratio	Lower	Upper
83	100		
85	58.1	44.4	82.5
131	17.7	9.2	13.8#

Manual Integrations
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#62

Bromoform

Concen: 0.221 ug/L

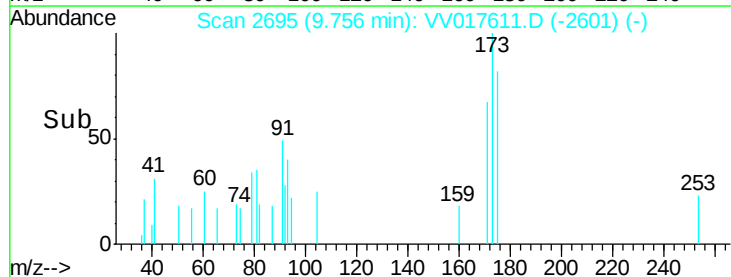
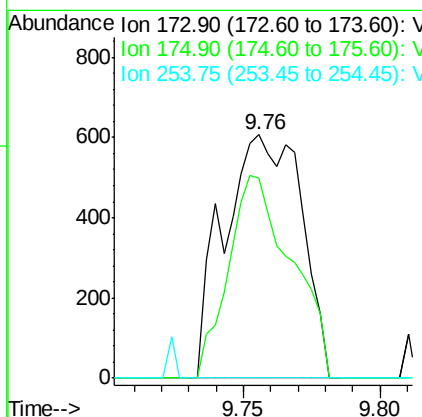
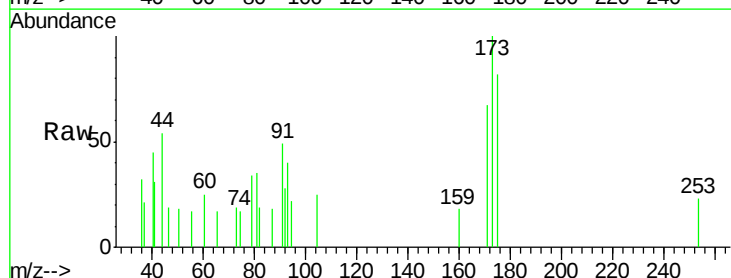
RT: 9.76 min Scan# 2695

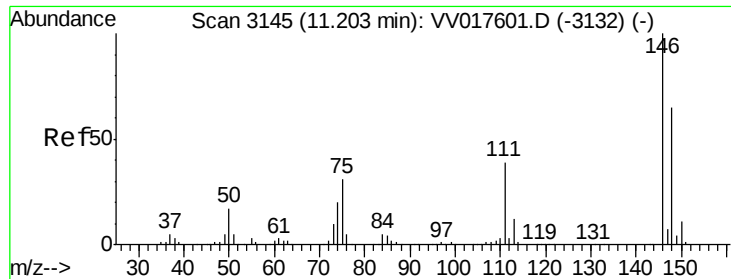
Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Tgt Ion:	173	Resp:	1200
Ion	Ratio	Lower	Upper
173	100		
175	67.8	39.6	59.4#
254	1.7	8.4	12.6#





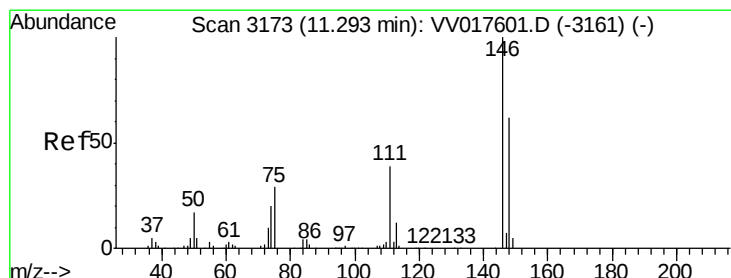
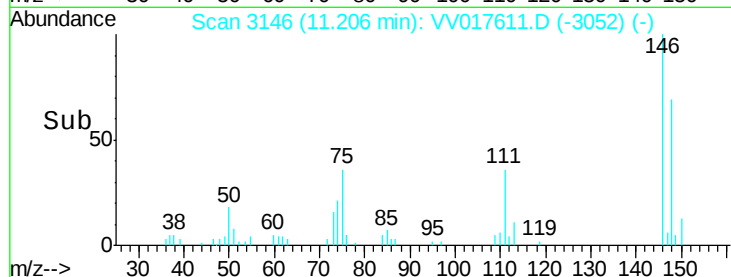
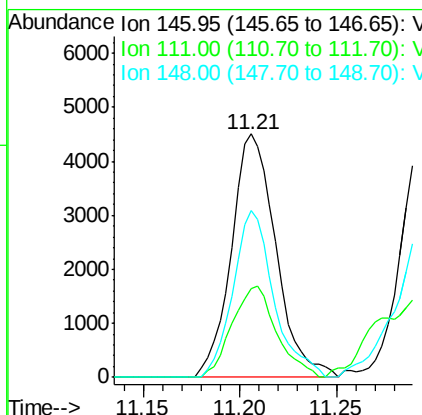
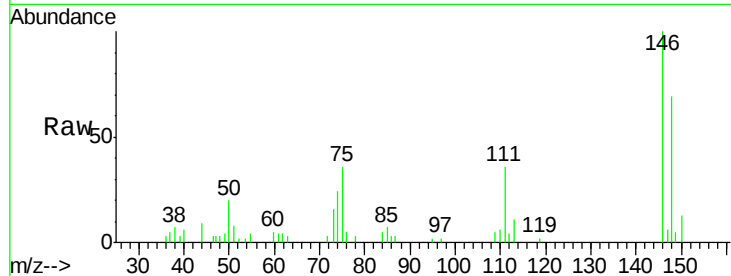
#63
 1,3-Dichlorobenzene
 Concen: 0.264 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV017611.D
 Acq: 23 Jul 2020 18:38

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	27.3	50.7
148	68.7	45.6	84.6

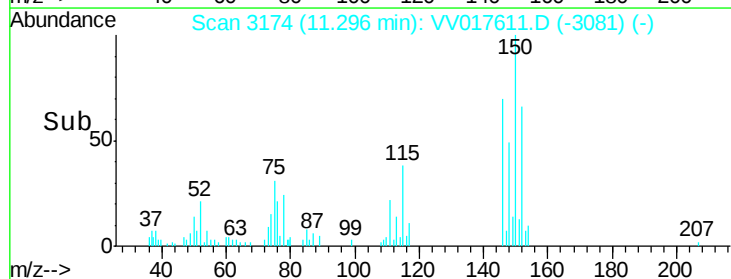
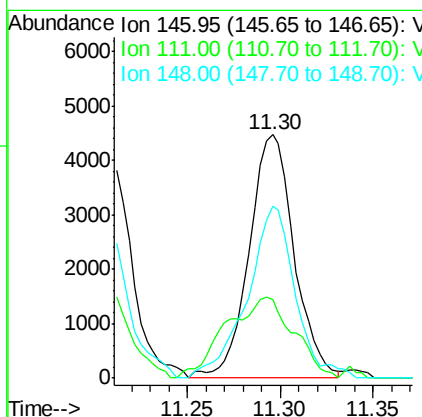
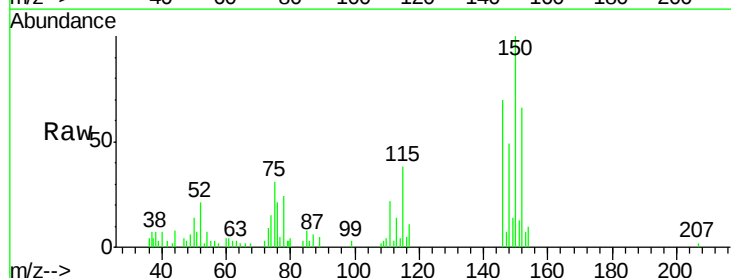
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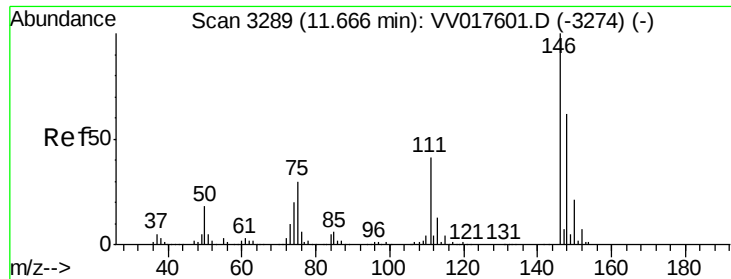
sam
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#64
 1,4-Dichlorobenzene
 Concen: 0.275 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV017611.D
 Acq: 23 Jul 2020 18:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.0	27.4	51.0
148	70.4	43.8	81.4





#66

1,2-Dichlorobenzene

Concen: 0.258 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

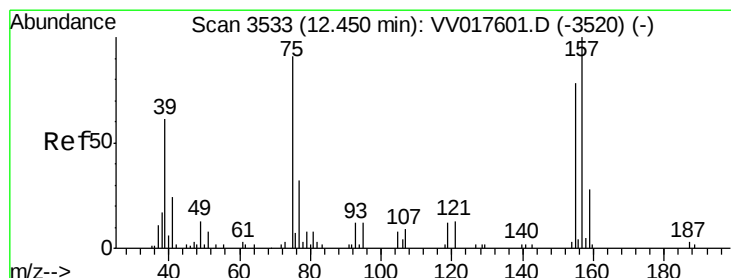
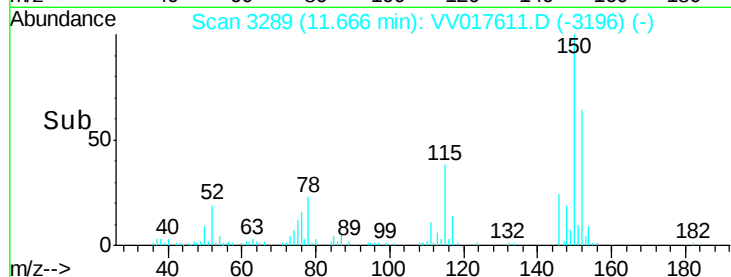
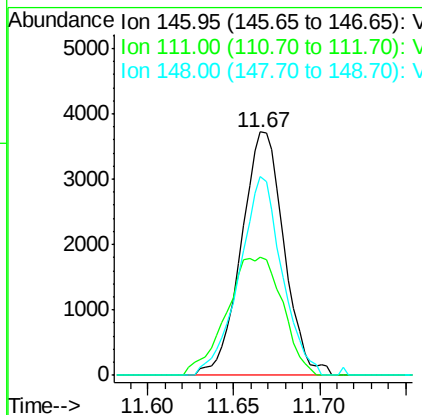
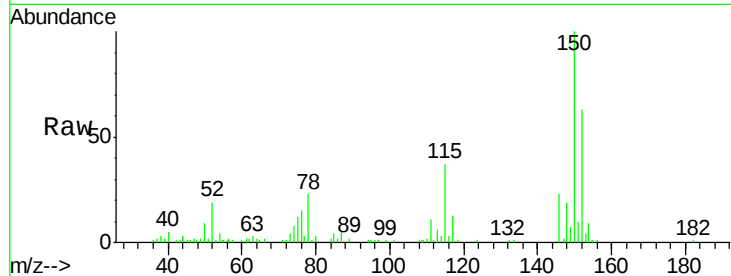
ClientSampled :

MDL06

Tot Ion:	146	Resp:	6402
Ion Ratio	Lower	Upper	
146	100		
111	48.3	33.0	49.4
148	81.4	49.9	74.9#

Manual Integrations
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#67

1,2-Dibromo-3-chloropropane

Concen: 0.307 ug/L

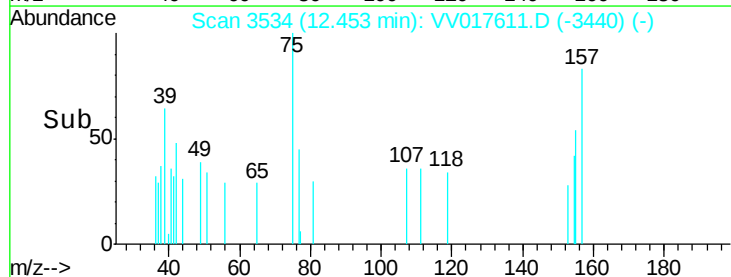
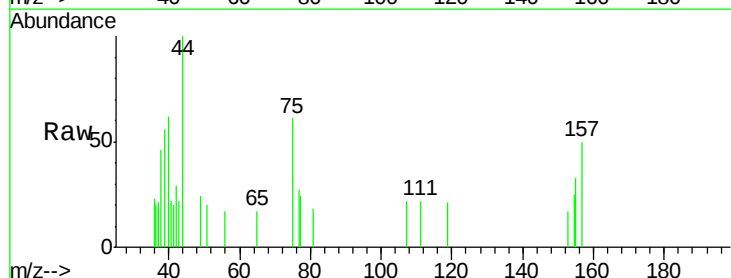
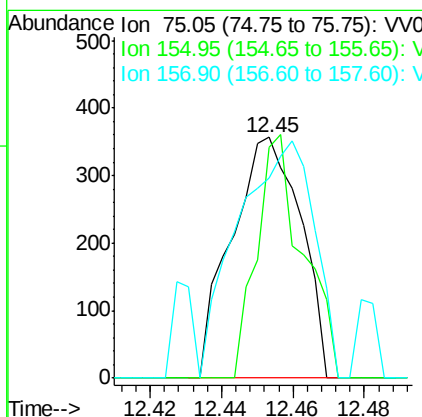
RT: 12.45 min Scan# 3534

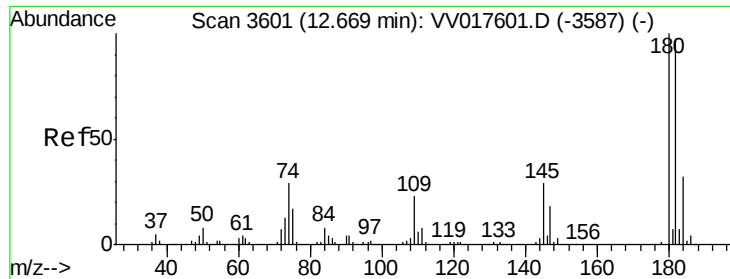
Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Tgt Ion:	75	Resp:	477
Ion Ratio	Lower	Upper	
75	100		
155	95.5	68.7	103.1
157	82.9	87.8	131.8#





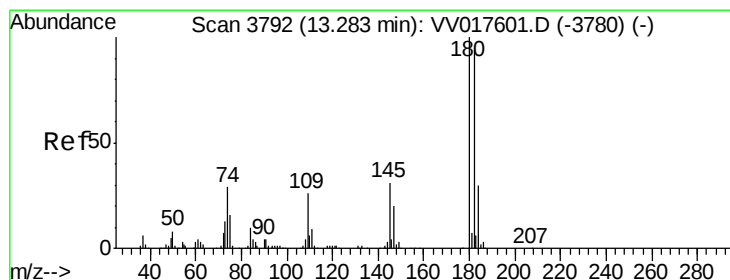
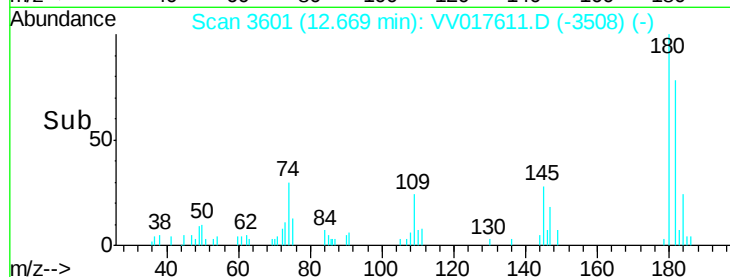
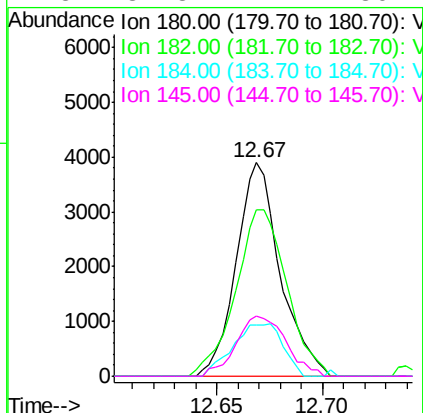
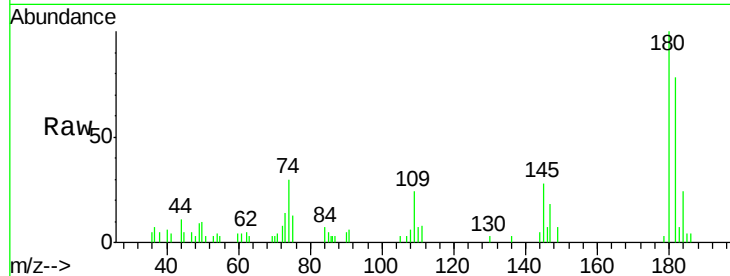
#68
 1,3,5-Trichlorobenzene
 Concen: 0.255 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017611.D
 Acq: 23 Jul 2020 18:38

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.6	77.1	115.7
184	27.8	25.2	37.8
145	31.8	24.1	36.1

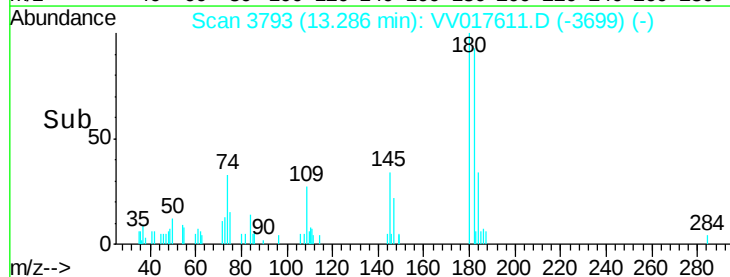
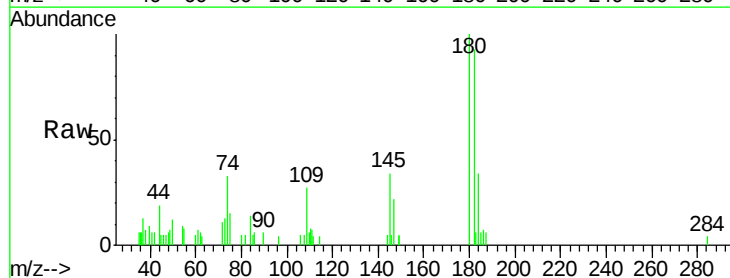
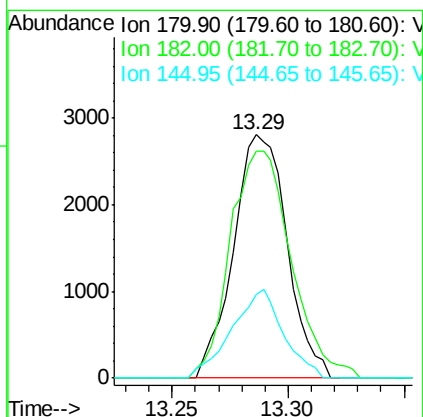
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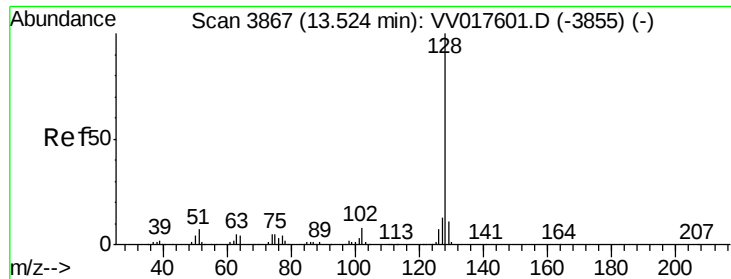
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#69
 1,2,4-trichlorobenzene
 Concen: 0.243 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017611.D
 Acq: 23 Jul 2020 18:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	106.0	75.4	113.2
145	35.1	24.2	36.2





#70

Naphthalene

Concen: 0.198 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Instrument :

MSVOA_V

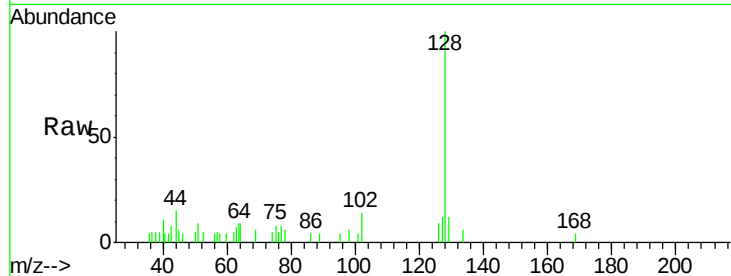
ClientSampleId :

MDL06

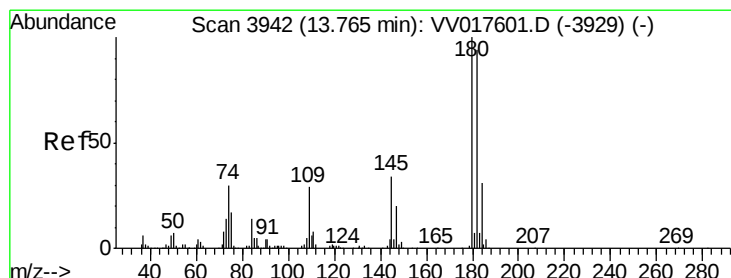
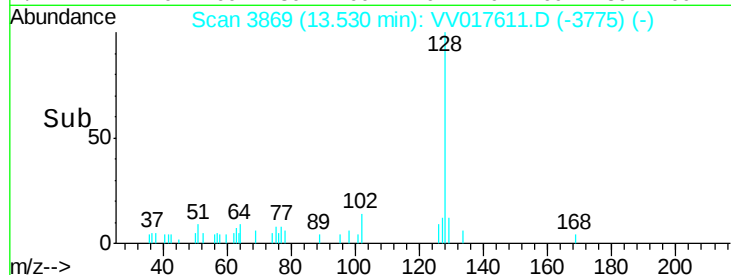
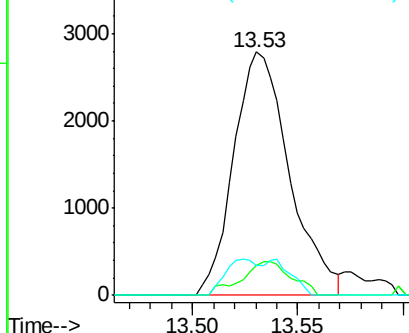
Tot Ion:	128	Resp:	5125
Ion Ratio	Lower	Upper	
128	100		
129	0.0	9.1	13.7#
127	9.6	11.0	16.6#

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#71

1,2,3-Trichlorobenzene

Concen: 0.195 ug/L

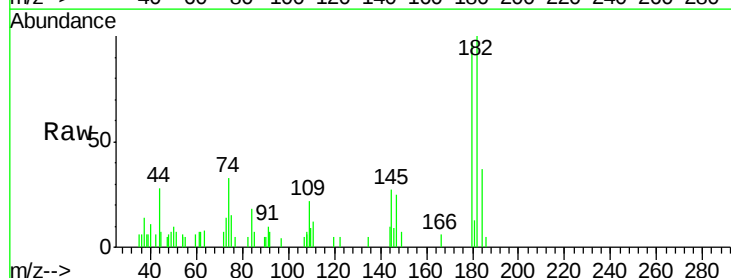
RT: 13.77 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:38

Tgt Ion:	180	Resp:	3199
Ion Ratio	Lower	Upper	
180	100		
182	110.3	74.2	111.4
145	37.9	26.0	39.0



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

