

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017610.D
 Acq On : 23 Jul 2020 18:14
 Operator : SY/MD
 Sample : MDL05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

sam
 7/24/2020 7:05:01 PM

Quant Time: Jul 24 02:18:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 24 01:49:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	178761	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	171865	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	86548	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	43651	5.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.20%
7) Chloroethane-d5	1.58	69	33455	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.12	63	73727	3.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.00%
20) 2-Butanone-d5	3.95	46	98065	48.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.04%
24) Chloroform-d	4.37	84	103045	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.06	65	54165	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.07	84	190510	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.10	67	54178	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.34	98	174422	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
45) trans-1,3-Dichloropropene-	7.65	79	22520	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
48) 2-Hexanone-d5	8.11	63	67638	45.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.46%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35554	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	69296	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5126	0.262 ug/L	97
3) Chloromethane	1.24	50	3802	0.298 ug/L	96
5) Vinyl chloride	1.32	62	3835	0.300 ug/L #	81
6) Bromomethane	1.53	94	2410	0.294 ug/L	87
8) Chloroethane	1.59	64	2509	0.340 ug/L	97
9) Trichlorofluoromethane	1.76	101	6121	0.268 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3278	0.307 ug/L	96
12) 1,1-Dichloroethene	2.13	96	3396	0.353 ug/L #	1
13) Acetone	2.23	43	5067m	3.170 ug/L	
14) Carbon disulfide	2.31	76	8407	0.287 ug/L	97
15) Methyl Acetate	2.46	43	1056m	0.339 ug/L	
16) Methylene chloride	2.52	84	3934	0.367 ug/L #	72
17) Methyl tert-butyl Ether	2.79	73	6256	0.254 ug/L #	91
18) trans-1,2-Dichloroethene	2.78	96	3168	0.302 ug/L	99
19) 1,1-Dichloroethane	3.21	63	5808	0.263 ug/L #	85
21) 2-Butanone	4.03	43	6262m	2.320 ug/L	
22) cis-1,2-Dichloroethene	3.94	96	3879	0.294 ug/L	78

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

23) Bromochloromethane	4.28	128	1619	0.266	ug/L #	82
25) Chloroform	4.41	83	7434m	0.300	ug/L	
27) 1,2-Dichloroethane	5.17	62	4630	0.288	ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	5728	0.238	ug/L	89
30) Cyclohexane	4.69	56	5279	0.277	ug/L #	90
31) Carbon tetrachloride	4.85	117	5440	0.254	ug/L	98
33) Benzene	5.13	78	12150	0.250	ug/L	100
34) Trichloroethene	5.94	95	4019	0.296	ug/L	88
35) Methylcyclohexane	6.15	83	5056	0.246	ug/L	93
37) 1,2-Dichloropropane	6.21	63	3069	0.268	ug/L #	87
38) Bromodichloromethane	6.54	83	4294	0.255	ug/L #	99
39) cis-1,3-Dichloropropene	7.05	75	4415	0.256	ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	13622	2.173	ug/L #	88
42) Toluene	7.41	91	13389	0.252	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	10194	0.206	ug/L	96
44) 1,2,4-Trimethylbenzene	10.94	105	9908	0.196	ug/L	98
46) trans-1,3-Dichloropropene	7.68	75	3286	0.212	ug/L	91
47) 1,1,2-Trichloroethane	7.87	97	2121m	0.245	ug/L	
49) Tetrachloroethene	8.00	164	2987	0.249	ug/L	91
50) 2-Hexanone	8.17	43	15145	3.415	ug/L	99
51) Dibromochloromethane	8.27	129	2932	0.266	ug/L	80
52) 1,2-Dibromoethane	8.38	107	1926	0.235	ug/L #	98
53) Chlorobenzene	8.90	112	9175	0.259	ug/L #	86
54) Ethylbenzene	9.04	91	13683	0.230	ug/L	98
55) m,p-xylene	9.16	106	5269	0.235	ug/L	82
56) o-xylene	9.57	106	5206	0.240	ug/L	84
57) Styrene	9.59	104	7604	0.210	ug/L	96
58) Isopropylbenzene	9.95	105	12579	0.210	ug/L #	94
60) 1,1,2,2-Tetrachloroethane	10.27	83	2621	0.277	ug/L	98
62) Bromoform	9.76	173	1506	0.272	ug/L #	93
63) 1,3-Dichlorobenzene	11.21	146	7620	0.273	ug/L	93
64) 1,4-Dichlorobenzene	11.30	146	8582	0.307	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	7739	0.305	ug/L	96
67) 1,2-Dibromo-3-chloropropan	12.46	75	484	0.305	ug/L #	55
68) 1,3,5-Trichlorobenzene	12.67	180	6088	0.269	ug/L	95
69) 1,2,4-trichlorobenzene	13.29	180	5106	0.270	ug/L	98
70) Naphthalene	13.53	128	5711	0.216	ug/L #	93
71) 1,2,3-Trichlorobenzene	13.77	180	3809	0.227	ug/L	92

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

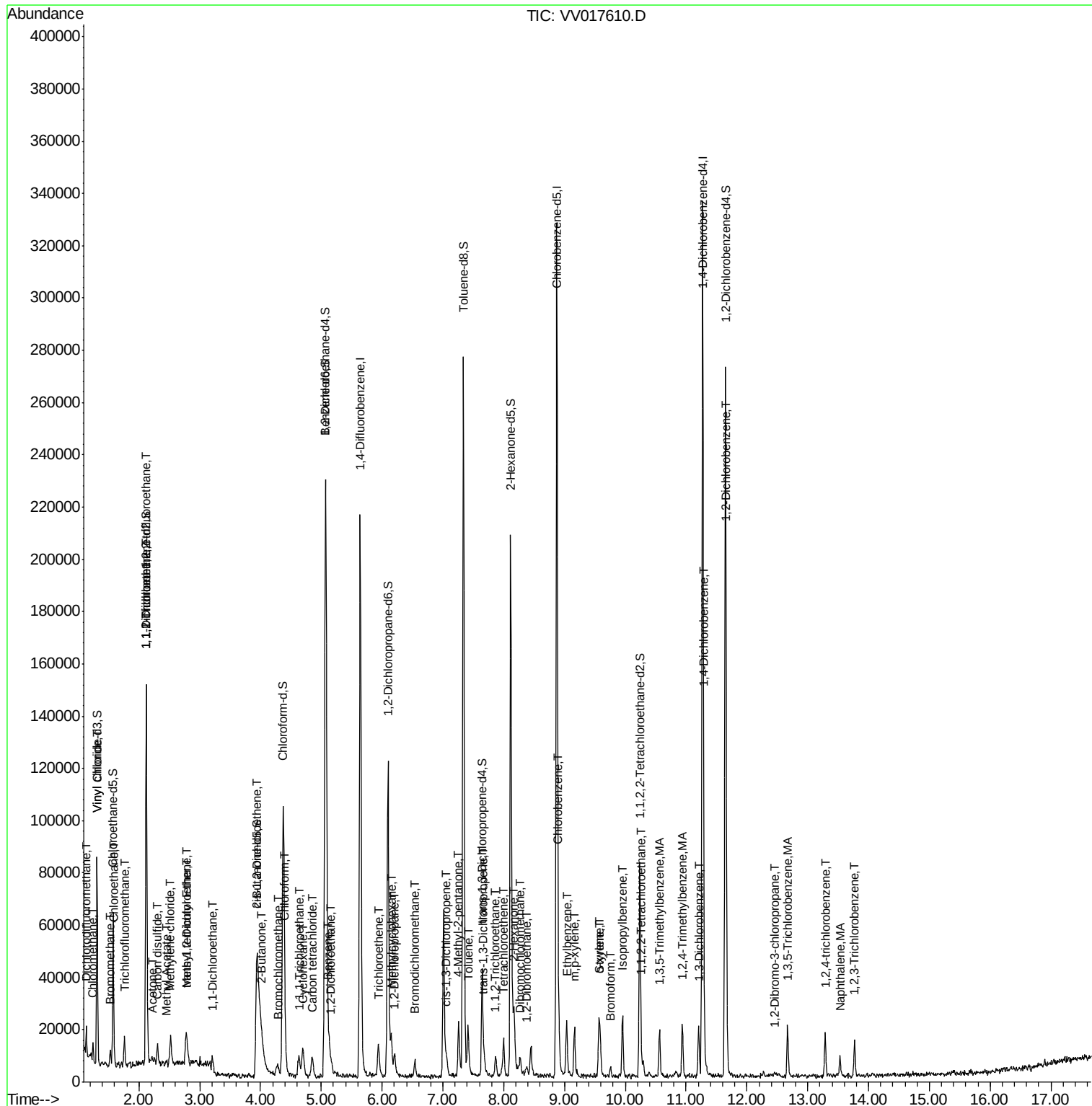
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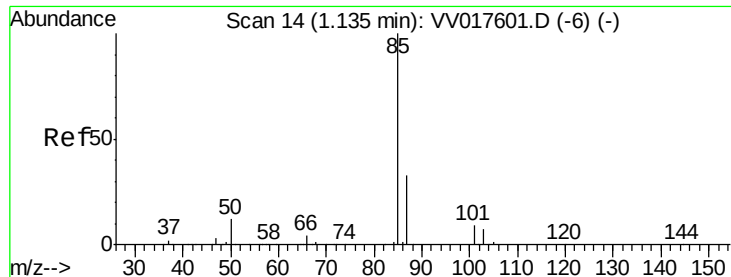
Instrument :
MSVOA_V
ClientSampleID :
MDL05

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.262 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 85 Resp: 5126

Ion Ratio Lower Upper

85 100

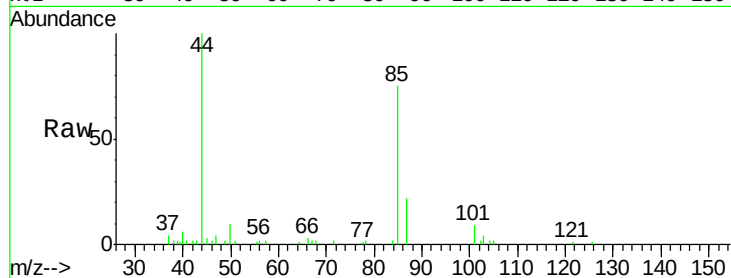
87 31.5 26.4 39.6

Manual Integrations

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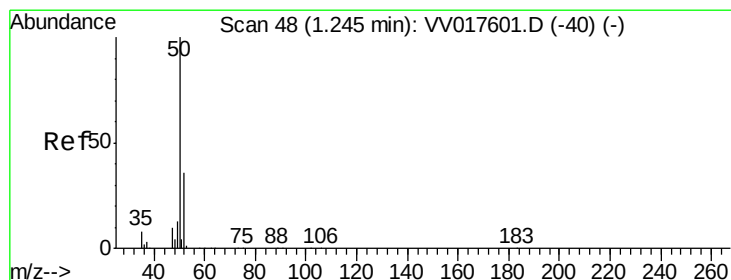
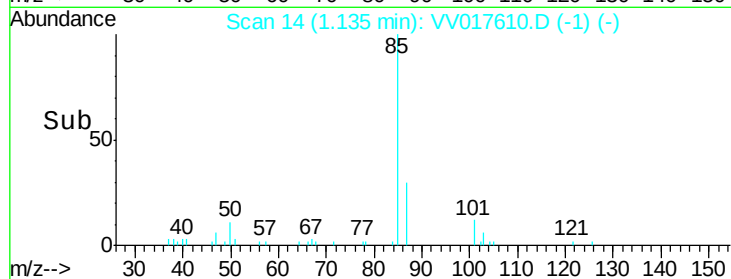
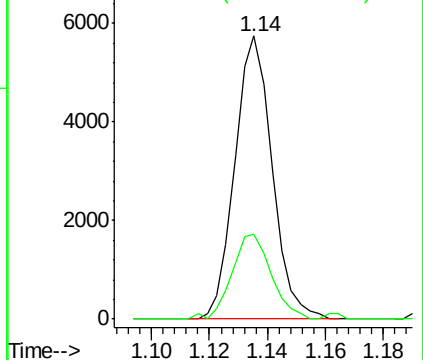
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.298 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV017610.D

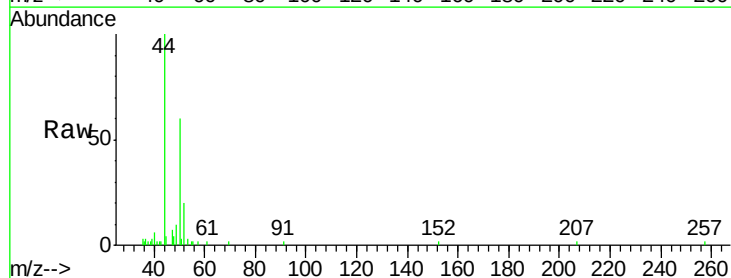
Acq: 23 Jul 2020 18:14

Tgt Ion: 50 Resp: 3802

Ion Ratio Lower Upper

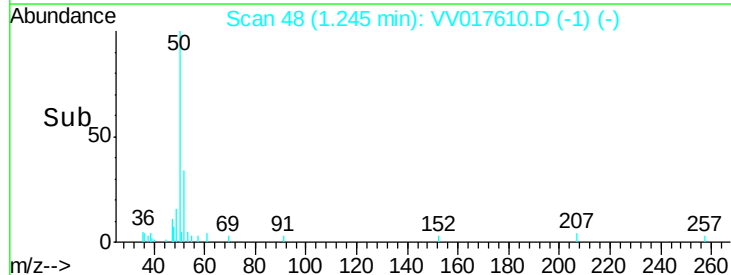
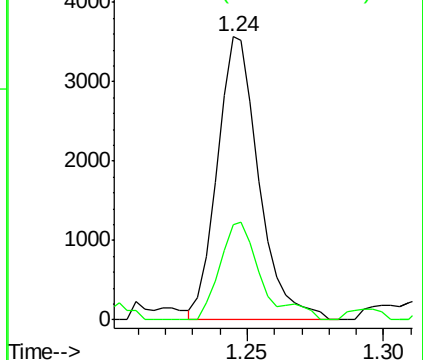
50 100

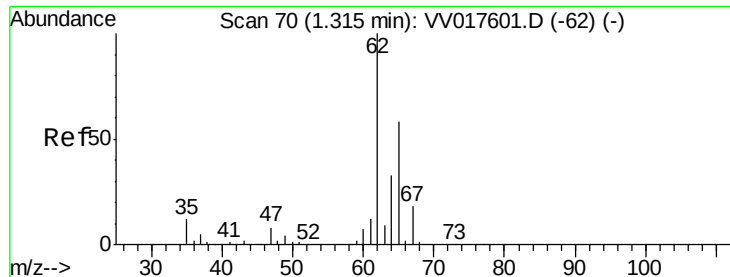
52 33.6 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.300 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 62 Resp: 3835

Ion Ratio Lower Upper

62 100

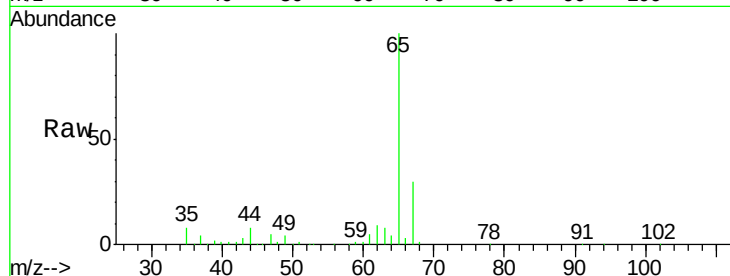
64 43.7 23.0 42.8#

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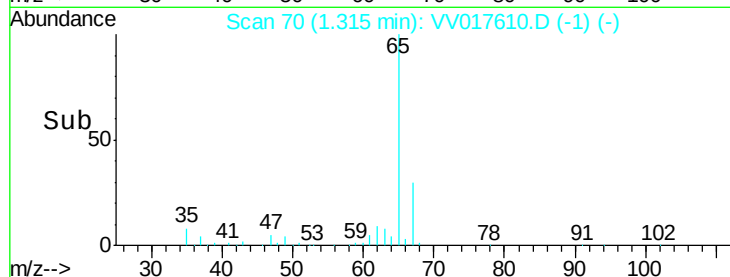


Abundance Ion 62.00 (61.70 to 62.70): VV017610.D (-62) (-)

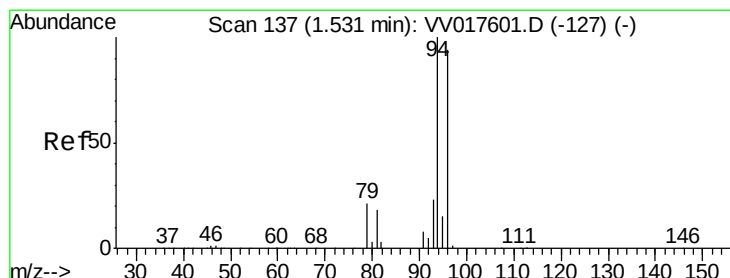
Ion 64.10 (63.80 to 64.80): VV017610.D (-64) (-)

1.32

1.35



Time-->



#6

Bromomethane

Concen: 0.294 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017610.D

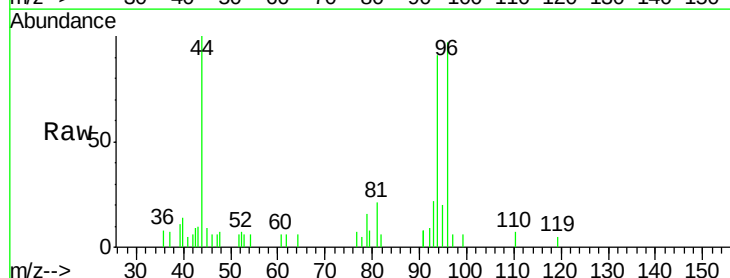
Acq: 23 Jul 2020 18:14

Tgt Ion: 94 Resp: 2410

Ion Ratio Lower Upper

94 100

96 106.8 65.9 122.5

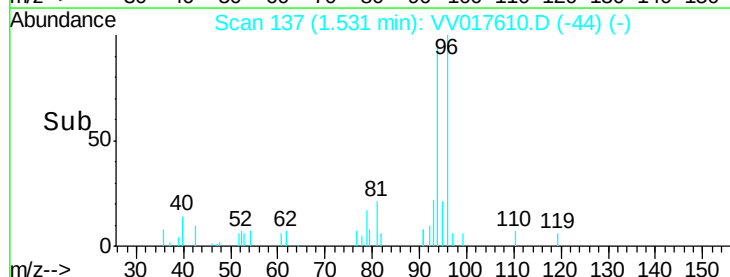


Abundance Ion 94.00 (93.70 to 94.70): VV017610.D (-94) (-)

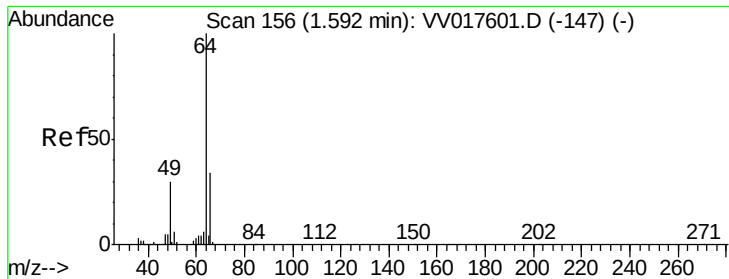
Ion 96.00 (95.70 to 96.70): VV017610.D (-96) (-)

1.53

1.55



Time-->



#8

Chloroethane

Concen: 0.340 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 64 Resp: 2509

Ion Ratio Lower Upper

64 100

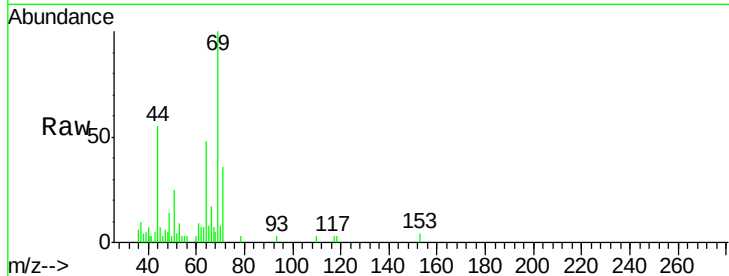
66 36.2 24.0 44.6

Manual Integrations

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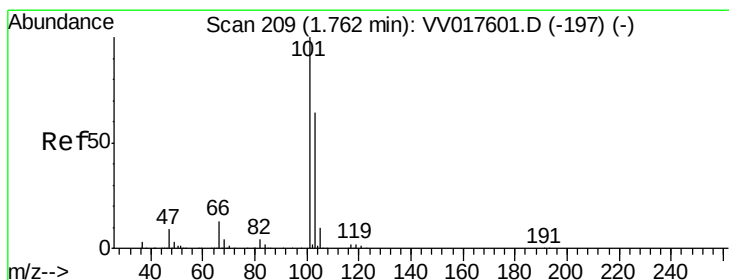
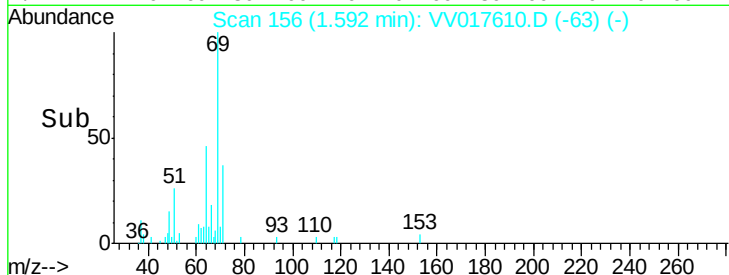
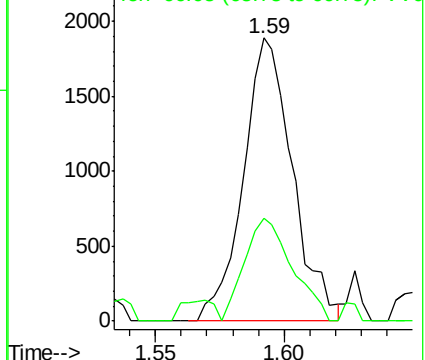
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Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#9

Trichlorofluoromethane

Concen: 0.268 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017610.D

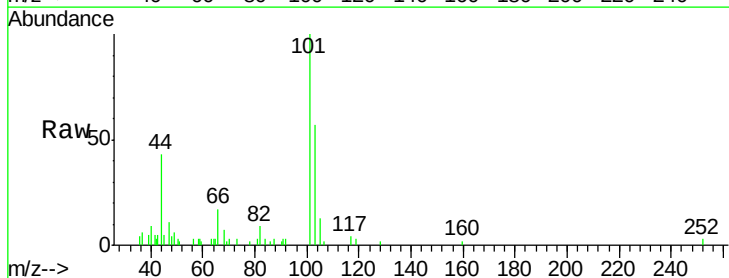
Acq: 23 Jul 2020 18:14

Tgt Ion: 101 Resp: 6121

Ion Ratio Lower Upper

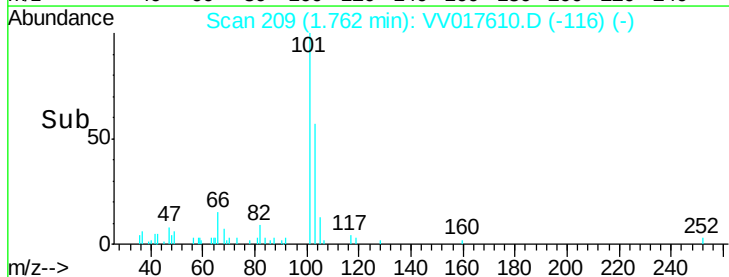
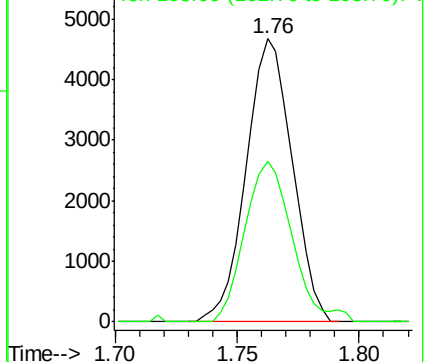
101 100

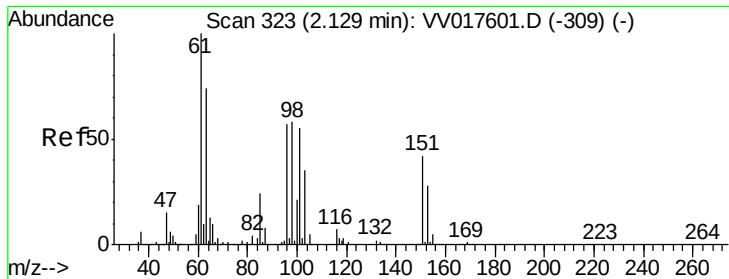
103 58.2 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 0.307 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

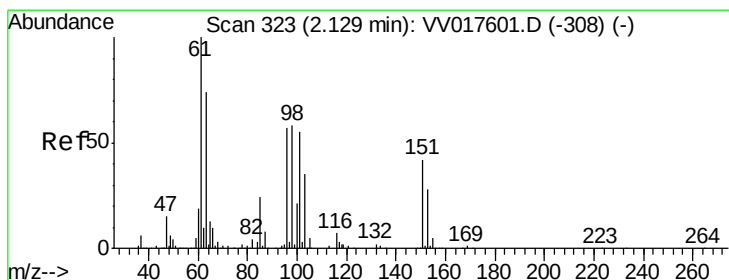
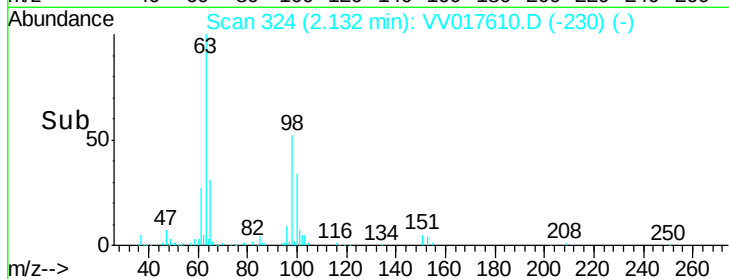
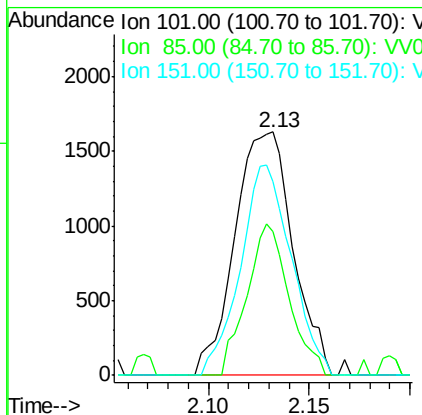
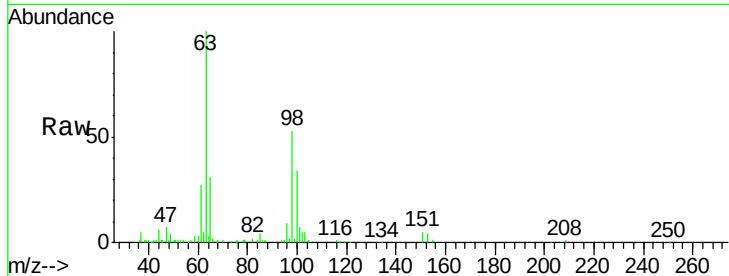
ClientSampled :

MDL05

Tot Ion:	101	Resp:	3278
Ion Ratio	Lower	Upper	
101	100		
85	45.3	34.6	51.8
151	75.7	63.5	95.3

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.353 ug/L

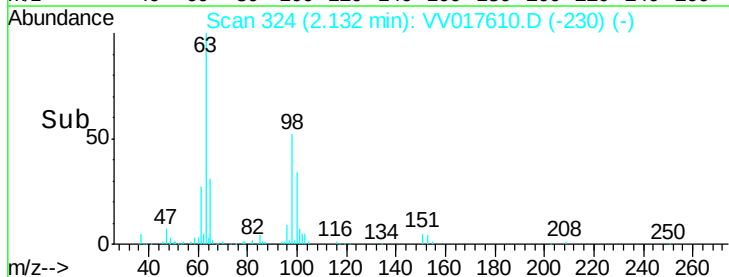
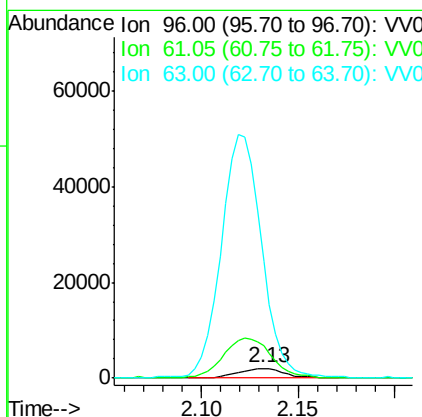
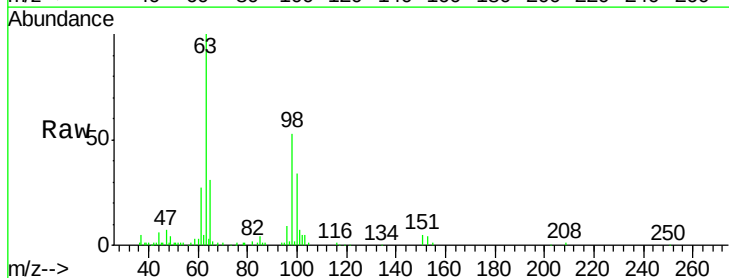
RT: 2.13 min Scan# 324

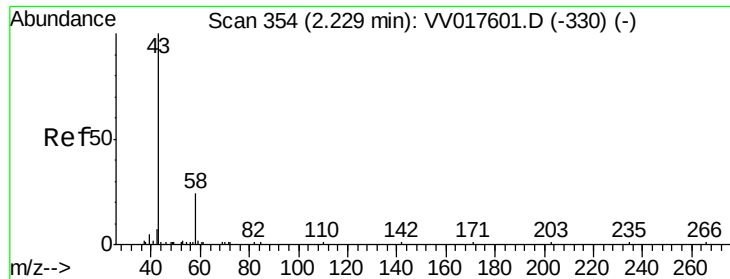
Delta R.T. 0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 18:14

Tgt Ion:	96	Resp:	3396
Ion Ratio	Lower	Upper	
96	100		
61	321.6	123.1	228.7#
63	1173.9	91.2	169.4#





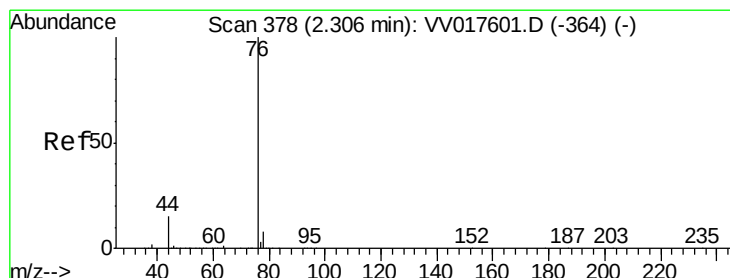
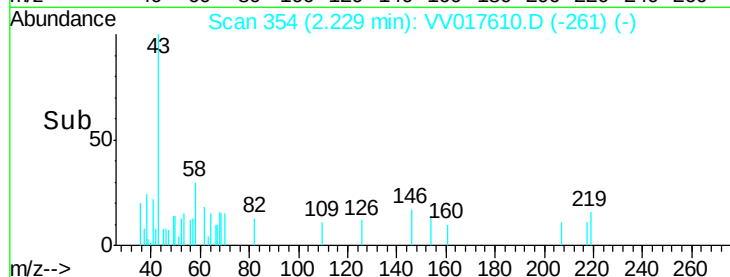
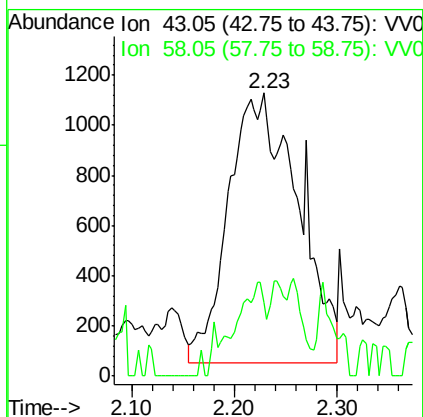
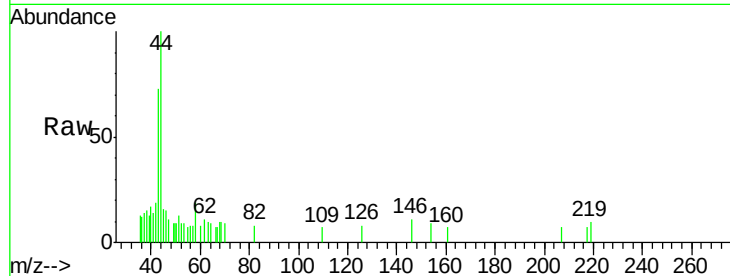
#13
Acetone
Concen: 3.170 ug/L m
RT: 2.23 min Scan# 354
Delta R.T. -0.00 min
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Acq: 23 Jul 2020 18:14

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion: 43 Resp: 5067
Ion Ratio Lower Upper
43 100
58 0.8 0.0 18.6

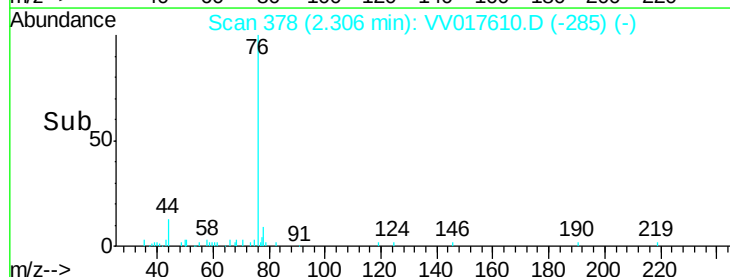
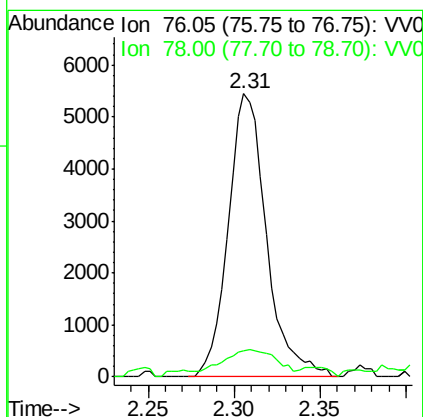
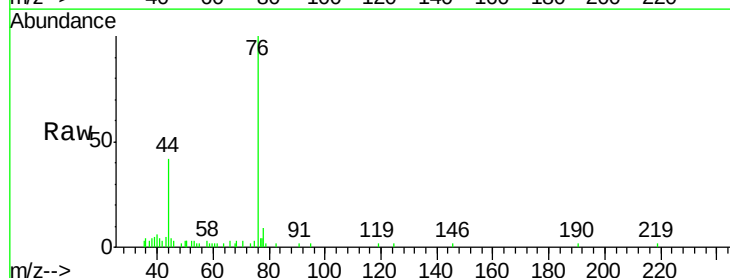
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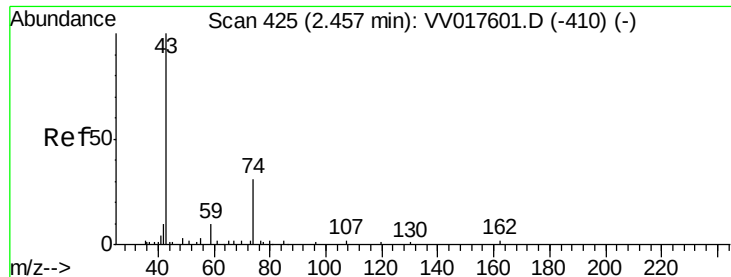
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#14
Carbon disulfide
Concen: 0.287 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 18:14

Tgt Ion: 76 Resp: 8407
Ion Ratio Lower Upper
76 100
78 9.2 6.6 10.0





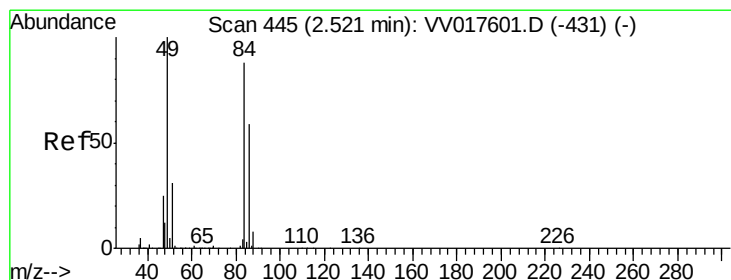
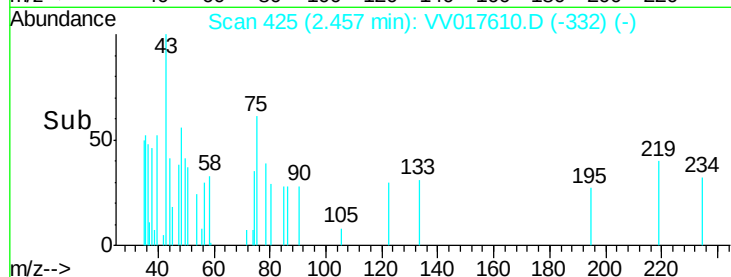
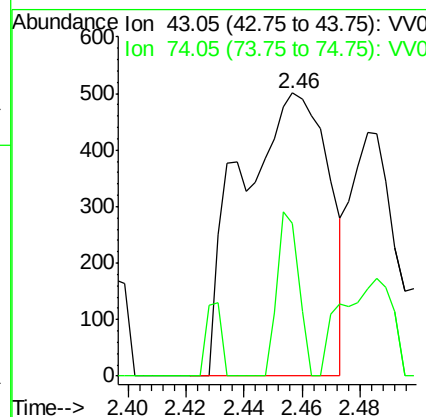
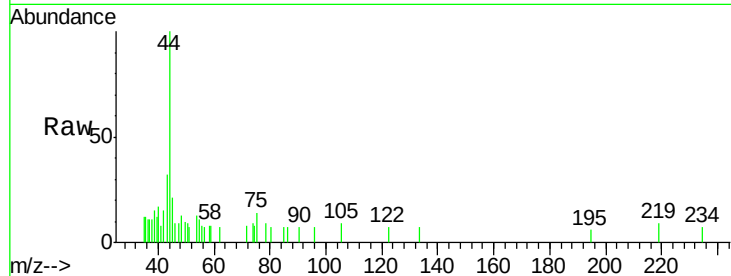
#15
Methvl Acetate
Concen: 0.339 ug/L m
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 18:14

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion: 43 Resp: 1056
Ion Ratio Lower Upper
43 100
74 14.4 26.6 40.0#

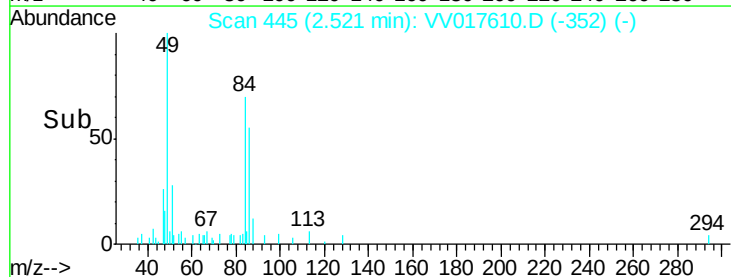
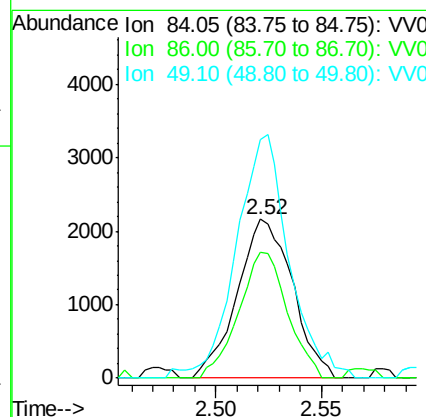
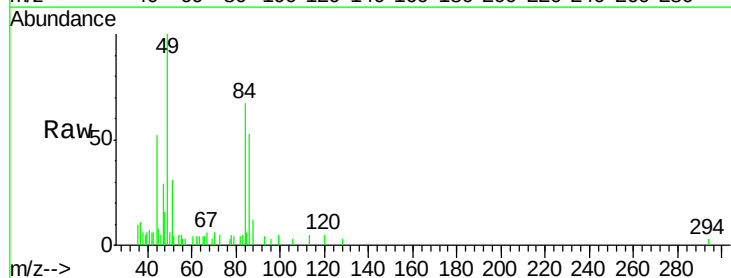
Manual Integrations
APPROVED

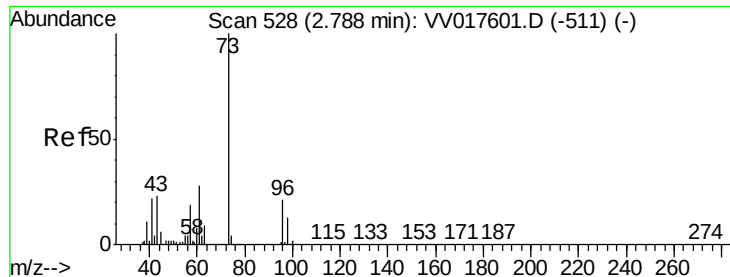
sam
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#16
Methylene chloride
Concen: 0.367 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 18:14

Tgt Ion: 84 Resp: 3934
Ion Ratio Lower Upper
84 100
86 79.4 46.5 86.3
49 150.1 79.2 147.2#





#17

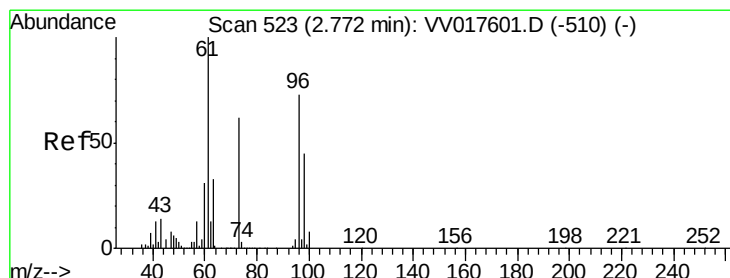
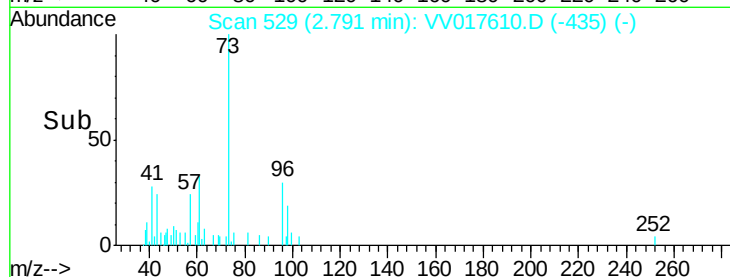
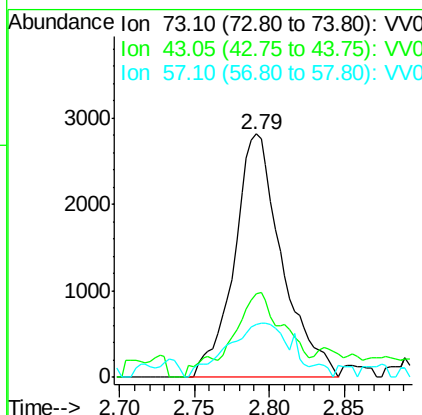
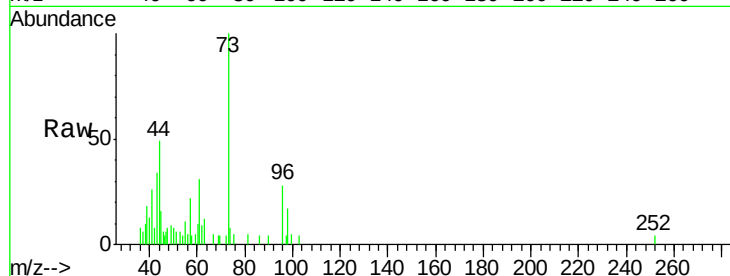
Methyl tert-butyl Ether
 Concen: 0.254 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
73	100		
43	23.5	18.3	27.5
57	29.0	16.7	25.1

Manual Integrations
 APPROVED

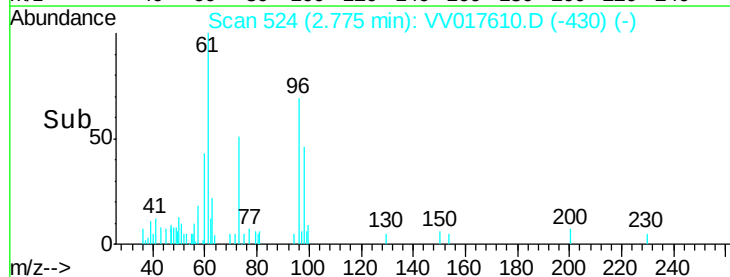
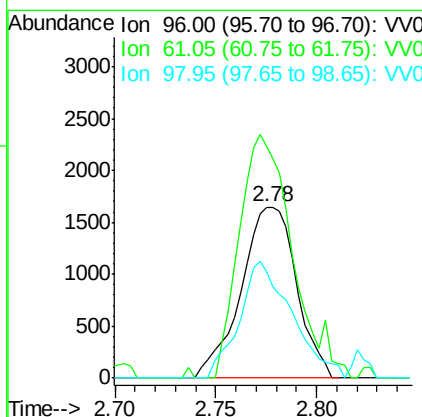
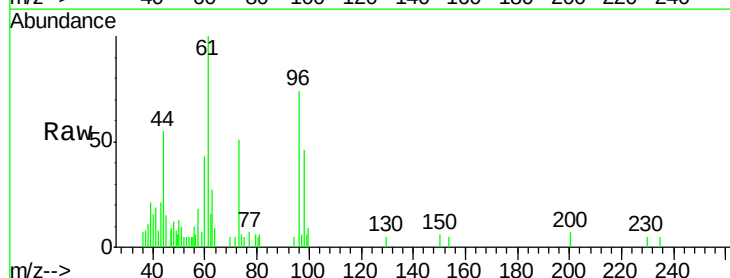
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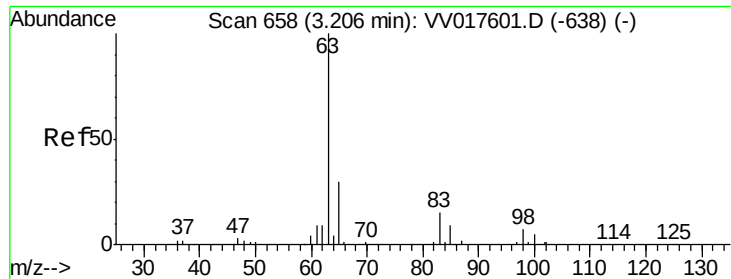


#18

trans-1,2-Dichloroethene
 Concen: 0.302 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.8	96.0	178.4
98	62.3	43.5	80.9





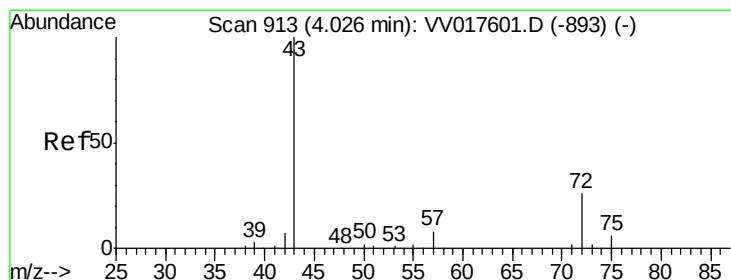
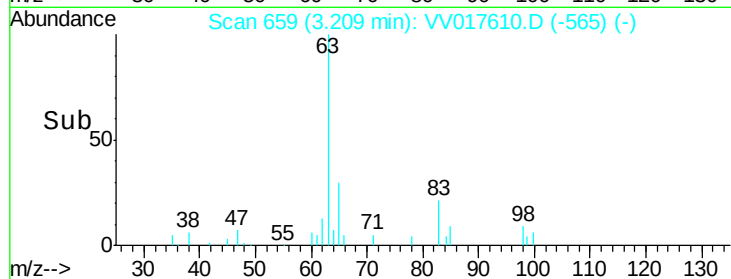
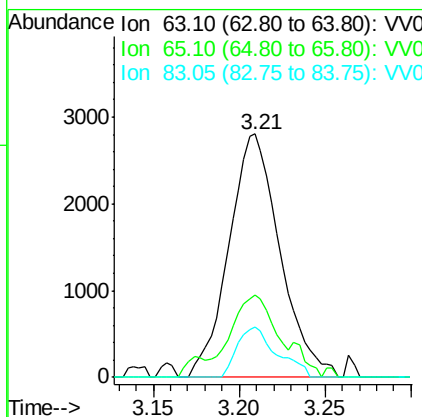
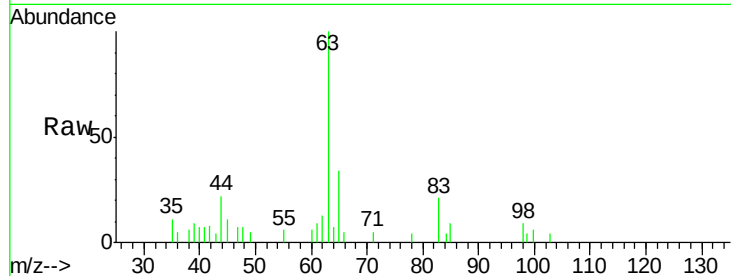
#19
 1,1-Dichloroethane
 Concen: 0.263 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
63	100		
65	38.8	21.4	39.8
83	20.6	10.4	19.4

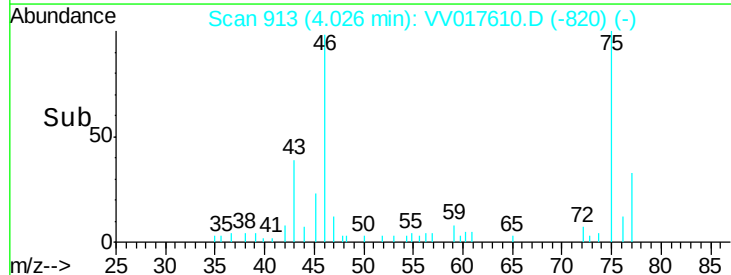
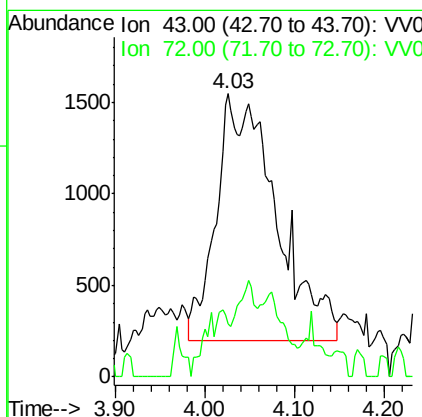
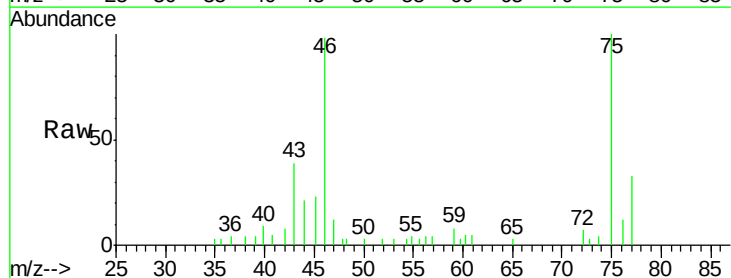
Manual Integrations
 APPROVED

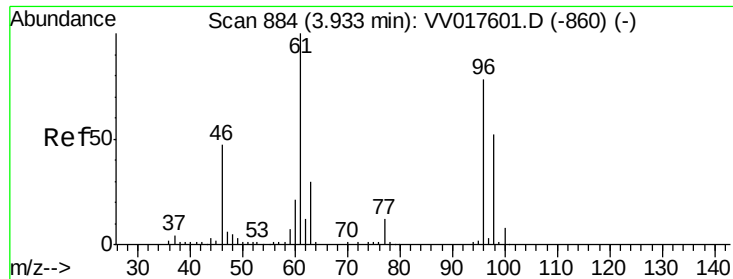
sam
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#21
 2-Butanone
 Concen: 2.320 ug/L m
 RT: 4.03 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Tgt Ion	Ratio	Lower	Upper
43	100		
72	5.9	13.0	38.9





#22

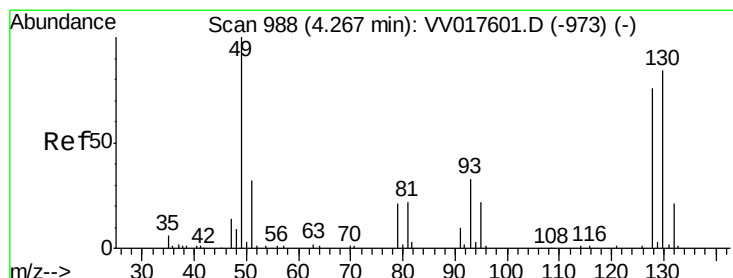
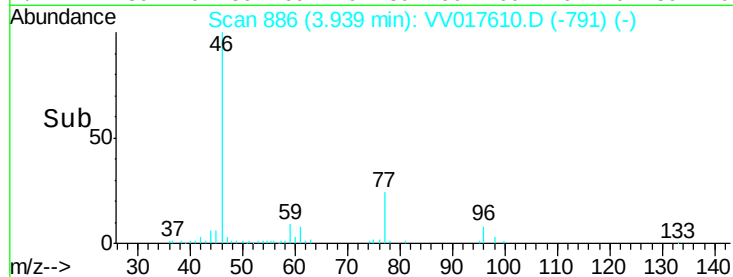
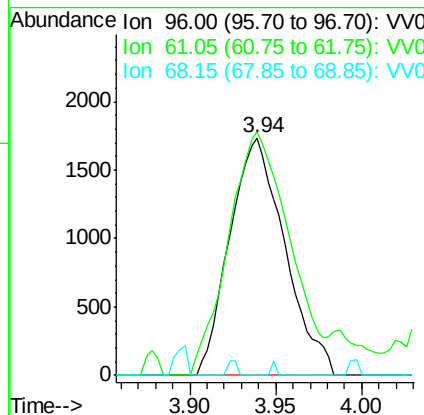
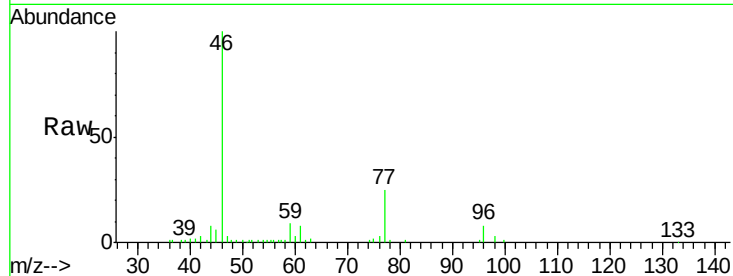
cis-1,2-Dichloroethene
Concen: 0.294 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.01 min
Lab File: VV017610.D
Acq: 23 Jul 2020 18:14

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
96	100		
61	102.4	89.6	166.4
68	0.0	0.0	0.0

Manual Integrations
APPROVED

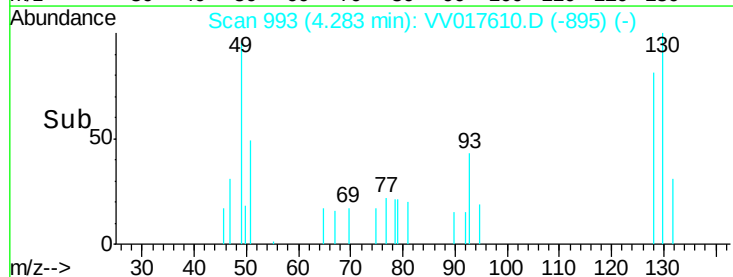
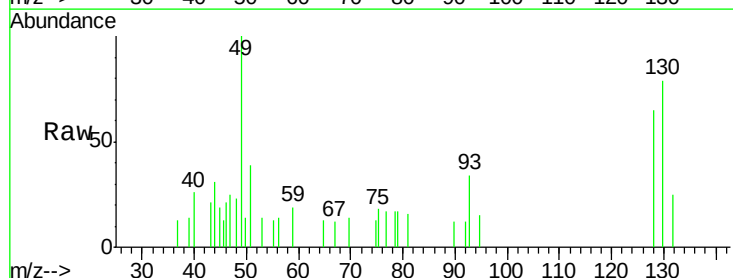
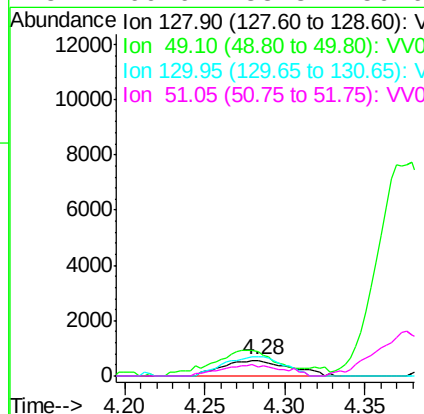
sam
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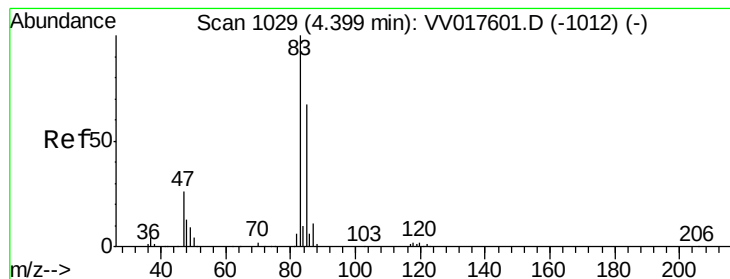


#23

Bromochloromethane
Concen: 0.266 ug/L
RT: 4.28 min Scan# 993
Delta R.T. 0.02 min
Lab File: VV017610.D
Acq: 23 Jul 2020 18:14

Tgt Ion	Ratio	Lower	Upper
128	100		
49	154.9	92.2	171.2
130	123.0	77.2	143.4
51	60.6	33.8	50.6





#25

Chloroform

Concen: 0.300 ug/L m

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV017610.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 83 Resp: 7434

Ion Ratio Lower Upper

83 100

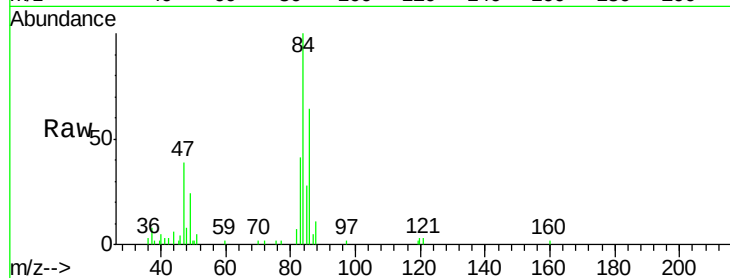
85 68.5 47.3 87.9

Manual Integrations

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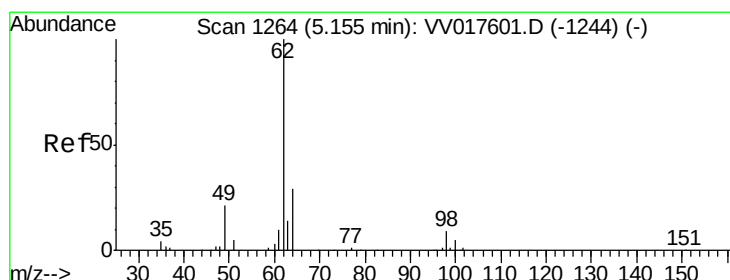
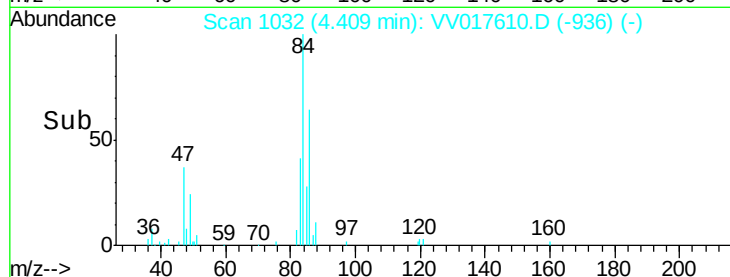
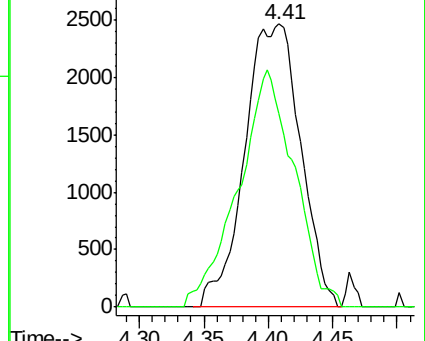
sam

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Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 0.288 ug/L

RT: 5.17 min Scan# 1269

Delta R.T. 0.02 min

Lab File: VV017610.D

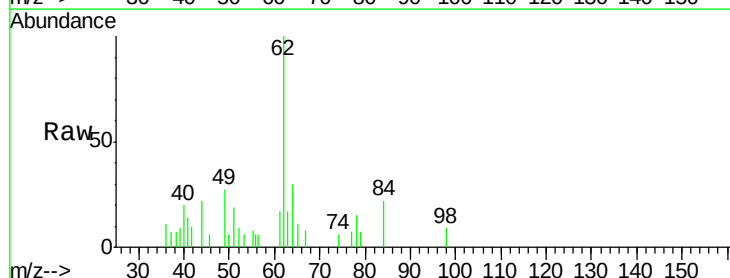
Acq: 23 Jul 2020 18:14

Tgt Ion: 62 Resp: 4630

Ion Ratio Lower Upper

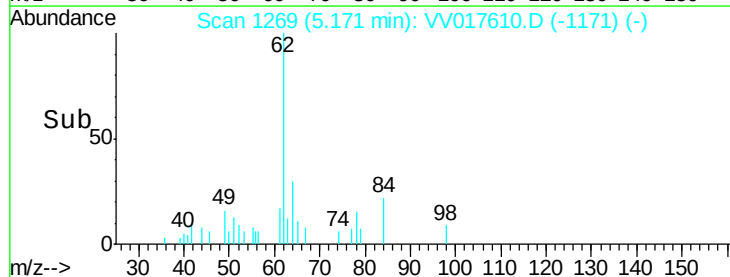
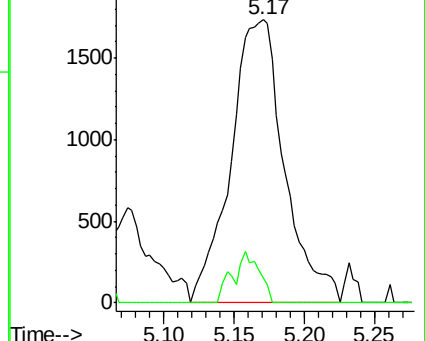
62 100

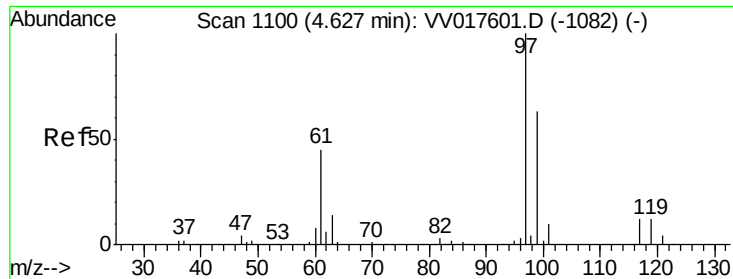
98 8.6 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0





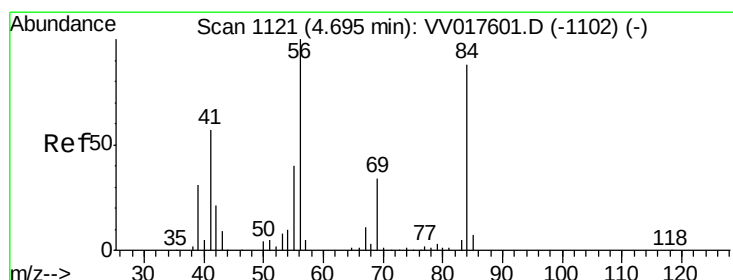
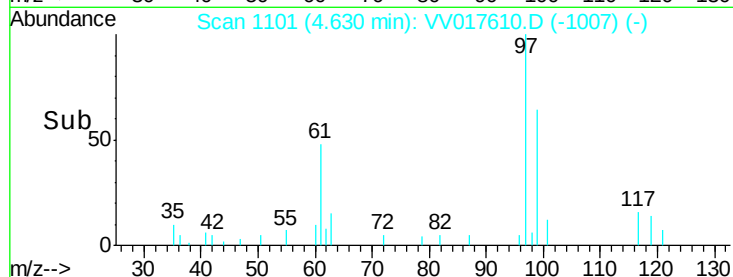
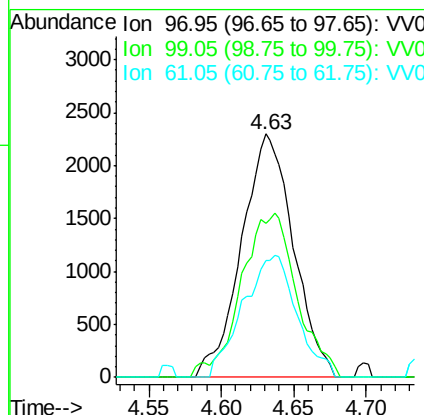
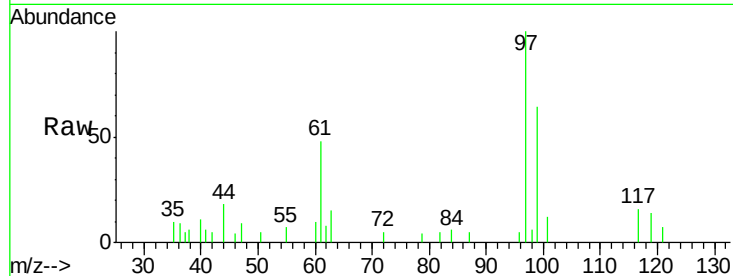
#29
1,1,1-Trichloroethane
Concen: 0.238 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 18:14

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion	97	Resp	5728
Ion Ratio	Lower	Upper	
97	100		
99	72.1	50.6	76.0
61	51.9	35.7	53.5

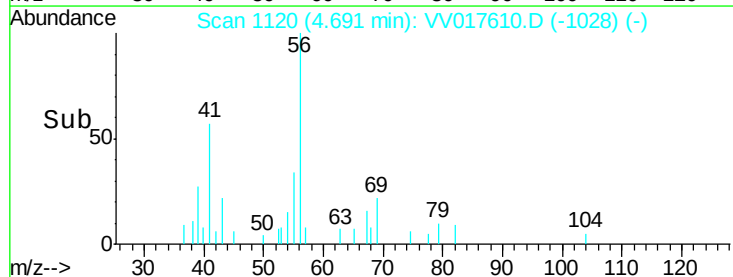
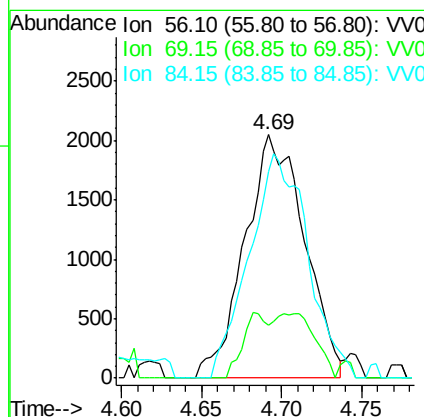
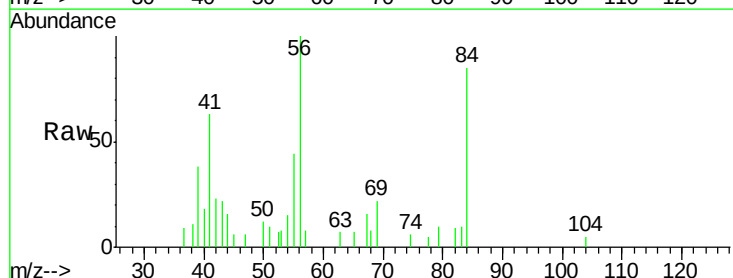
Manual Integrations
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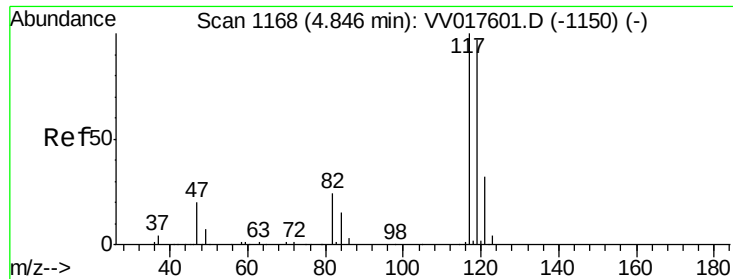
sam
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#30
Cyclohexane
Concen: 0.277 ug/L
RT: 4.69 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 18:14

Tgt Ion	56	Resp	5279
Ion Ratio	Lower	Upper	
56	100		
69	10.9	25.4	38.2#
84	90.6	73.0	109.4





#31

Carbon tetrachloride

Concen: 0.254 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.01 min

Lab File: VV017610.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion:117 Resp: 5440

Ion Ratio Lower Upper

117 100

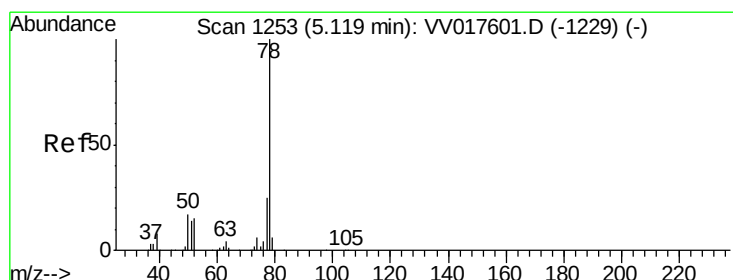
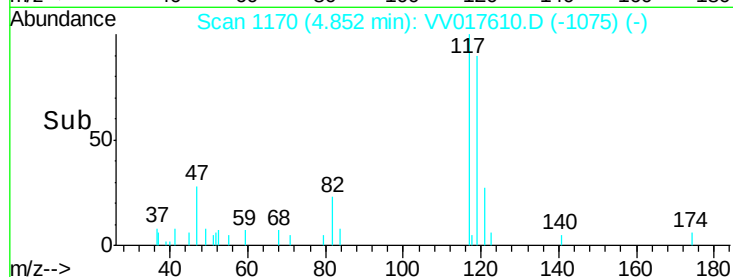
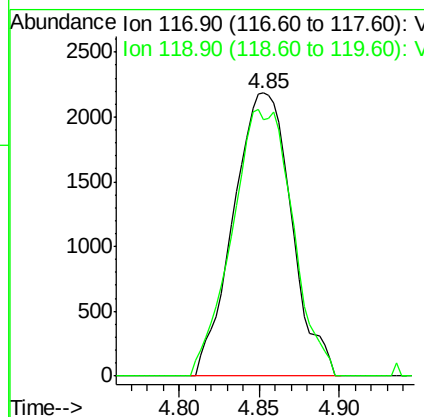
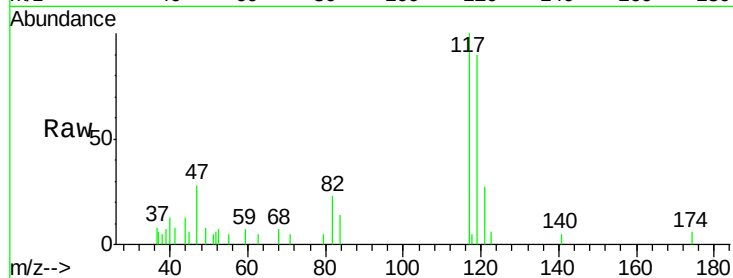
119 98.4 76.9 115.3

Manual Integrations

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sam

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#33

Benzene

Concen: 0.250 ug/L

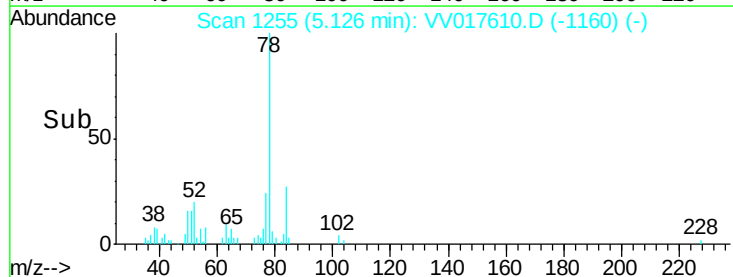
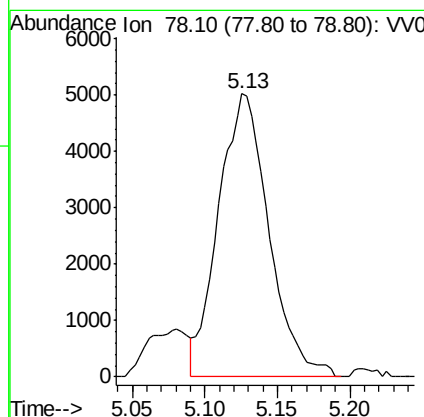
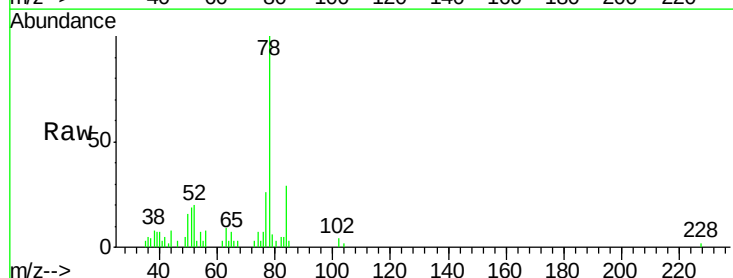
RT: 5.13 min Scan# 1255

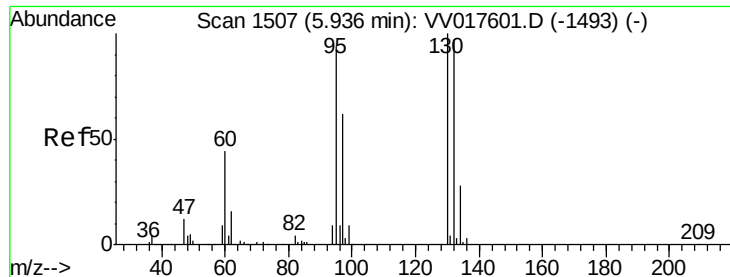
Delta R.T. 0.01 min

Lab File: VV017610.D

Acq: 23 Jul 2020 18:14

Tgt Ion: 78 Resp: 12150





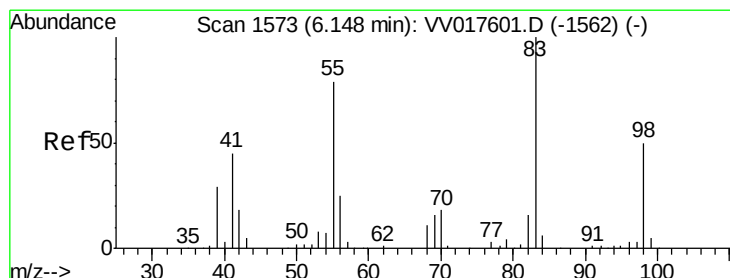
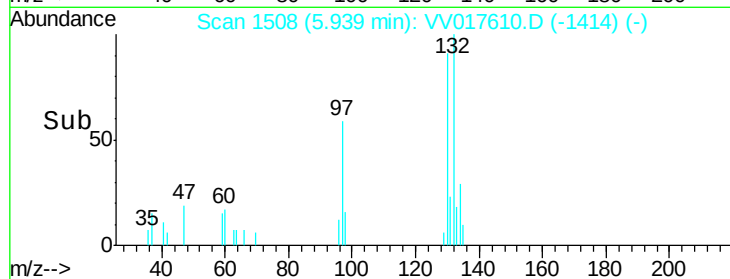
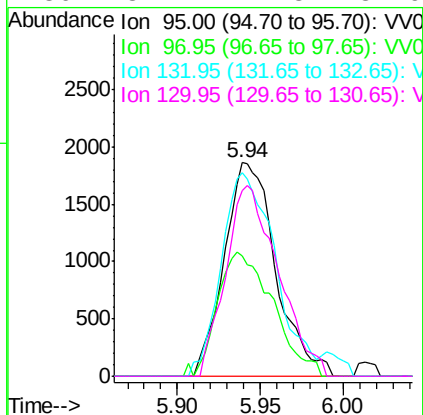
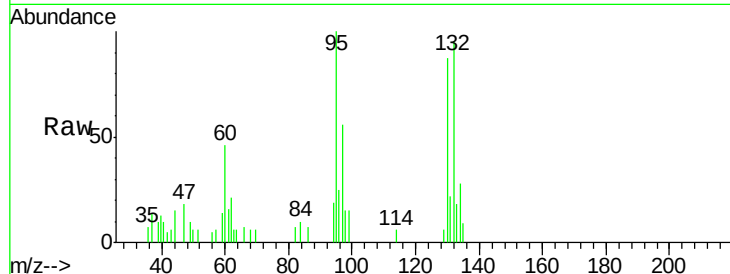
#34
 Trichloroethene
 Concen: 0.296 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion:	95	Resp:	4019
Ion	Ratio	Lower	Upper
95	100		
97	56.4	46.1	85.5
132	95.5	71.7	133.1
130	87.1	74.3	137.9

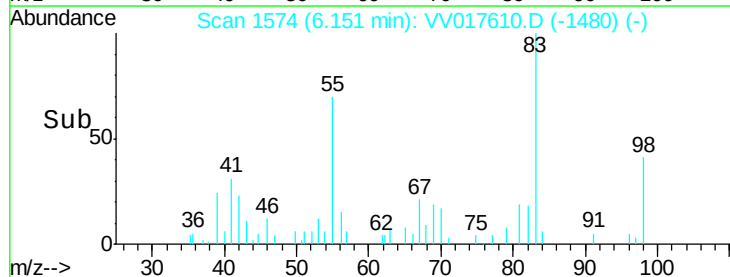
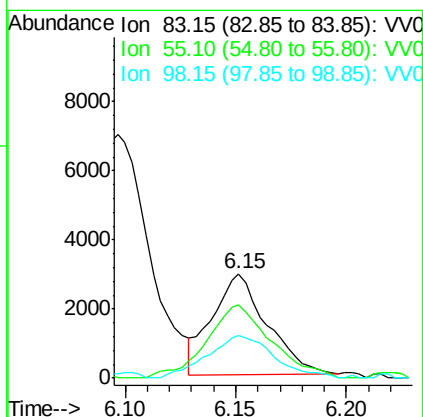
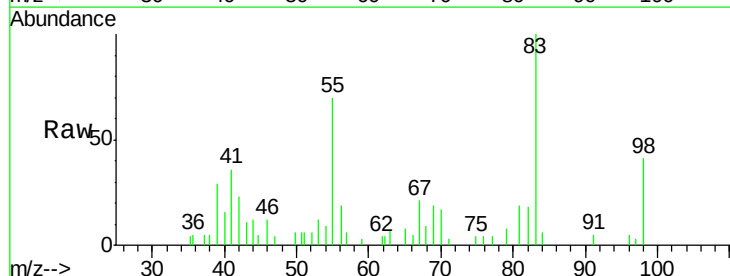
Manual Integrations
 APPROVED

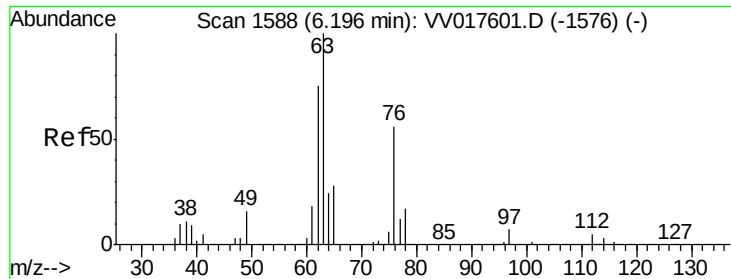
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#35
 Methylcyclohexane
 Concen: 0.246 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Tgt Ion:	83	Resp:	5056
Ion	Ratio	Lower	Upper
83	100		
55	84.7	61.8	92.8
98	51.2	39.0	58.6





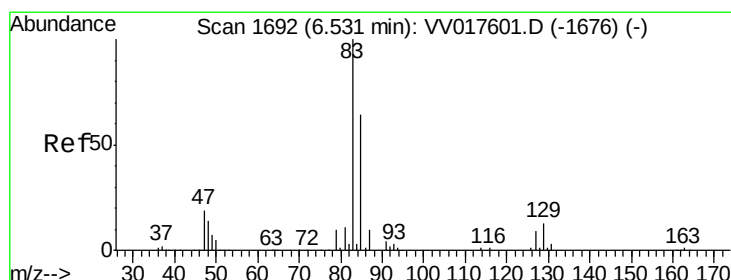
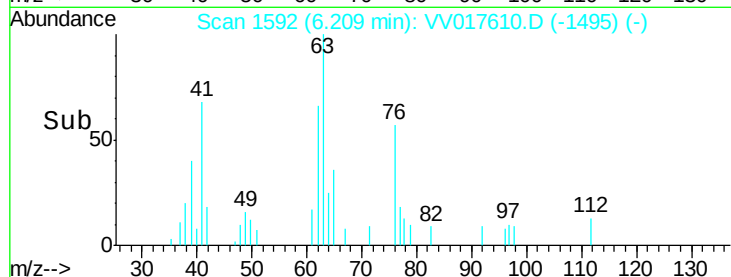
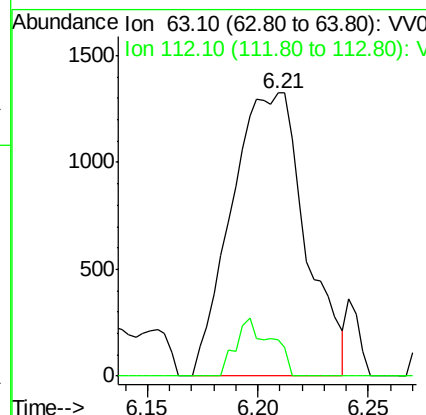
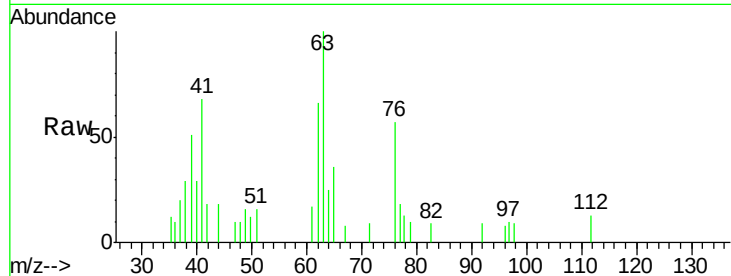
#37
 1,2-Dichloropropane
 Concen: 0.268 ug/L
 RT: 6.21 min Scan# 1592
 Delta R.T. 0.01 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion: 63 Resp: 3069
 Ion Ratio Lower Upper
 63 100
 112 9.8 4.5 6.7#

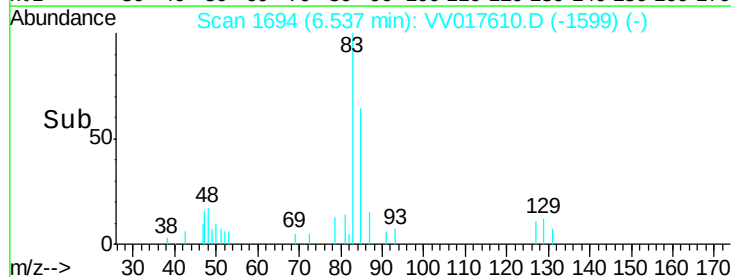
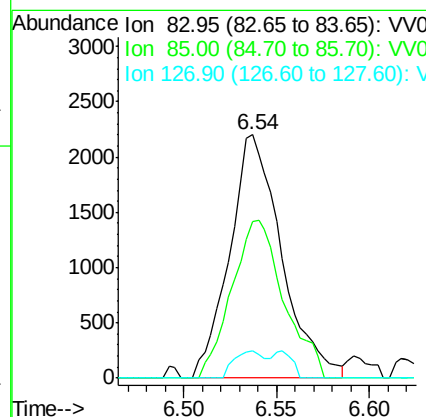
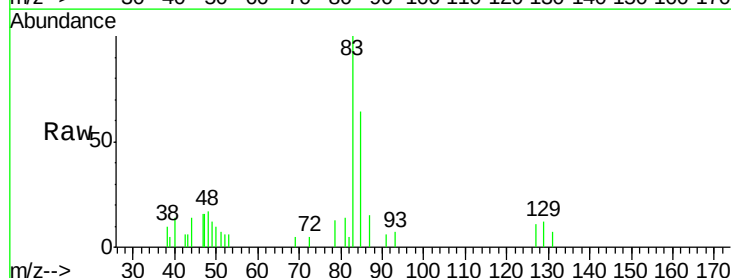
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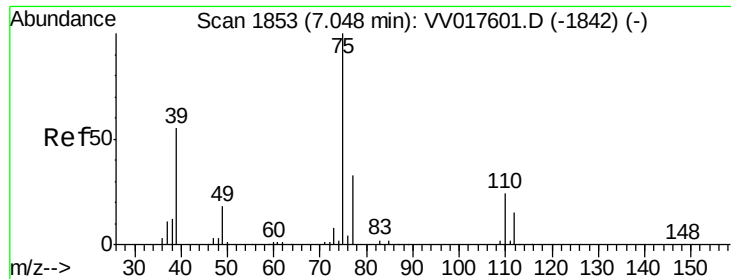
sam
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#38
 Bromodichloromethane
 Concen: 0.255 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Tgt Ion: 83 Resp: 4294
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.7 83.1
 127 11.2 7.4 11.0#





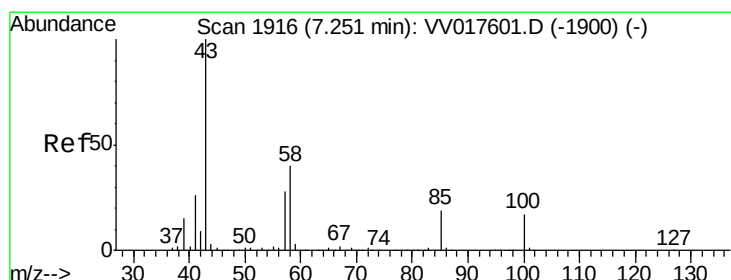
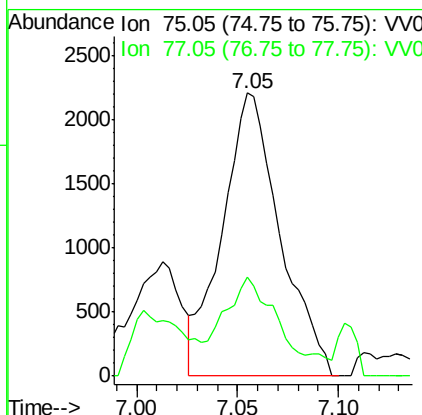
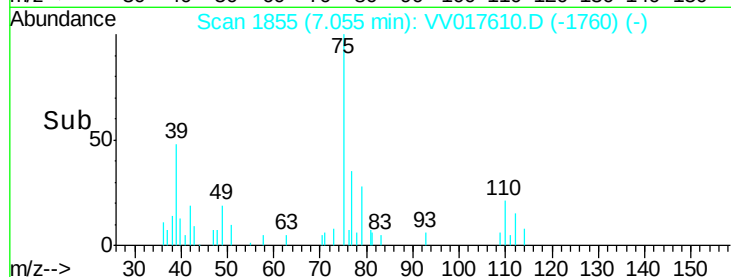
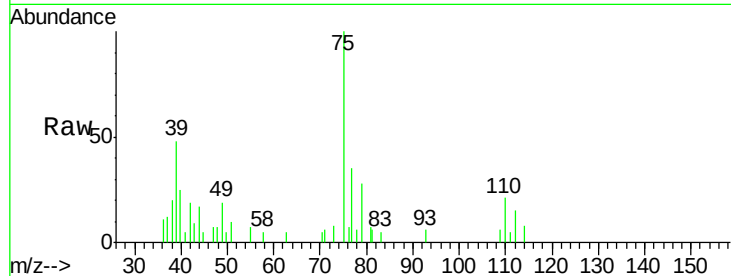
#39
 cis-1,3-Dichloropropene
 Concen: 0.256 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion: 75 Resp: 4415
 Ion Ratio Lower Upper
 75 100
 77 34.9 23.2 43.2

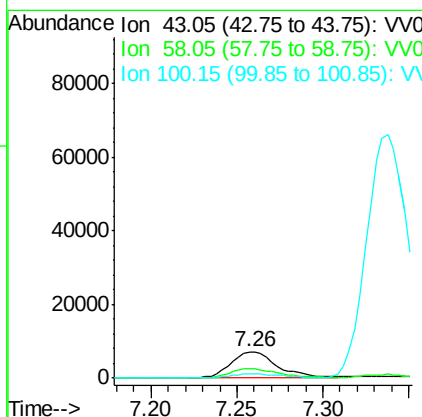
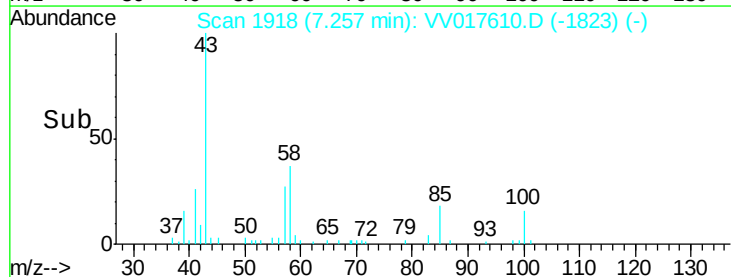
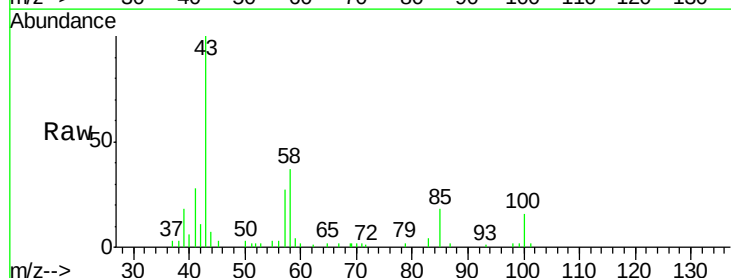
Manual Integrations
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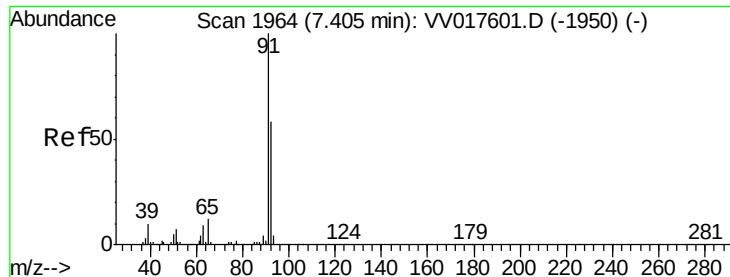
sam
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#40
 4-Methyl-2-pentanone
 Concen: 2.173 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.01 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Tgt Ion: 43 Resp: 13622
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.2 46.8
 100 0.0 13.6 20.4#





#42

Toluene

Concen: 0.252 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.01 min

Lab File: VV017610.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 91 Resp: 13389

Ion Ratio Lower Upper

91 100

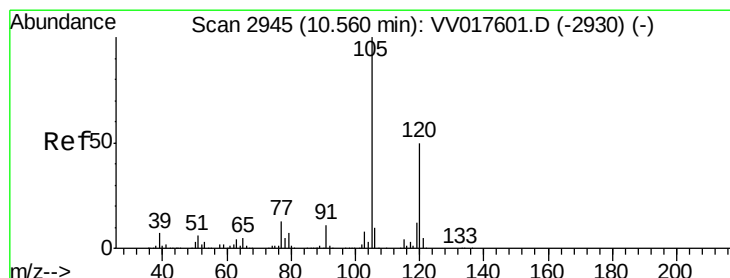
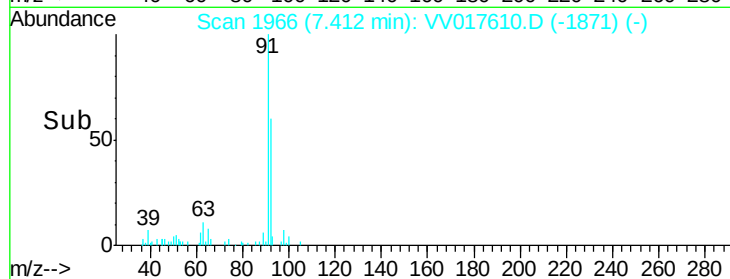
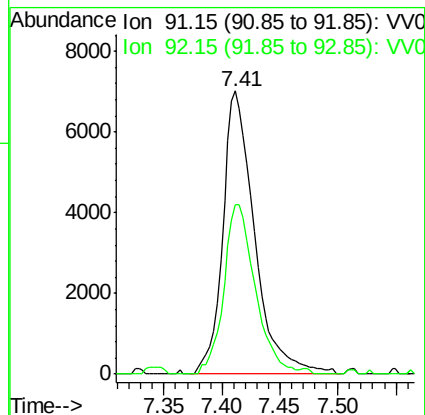
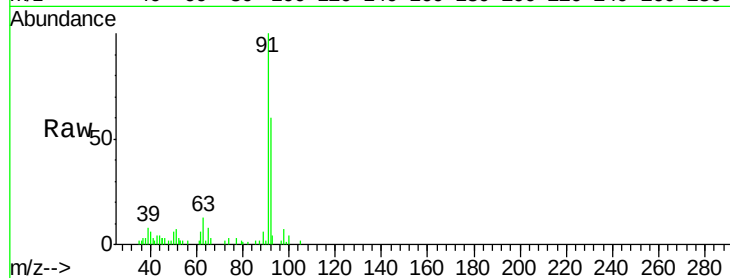
92 59.7 40.8 75.8

Manual Integrations

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sam

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#43

1,3,5-Trimethylbenzene

Concen: 0.206 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV017610.D

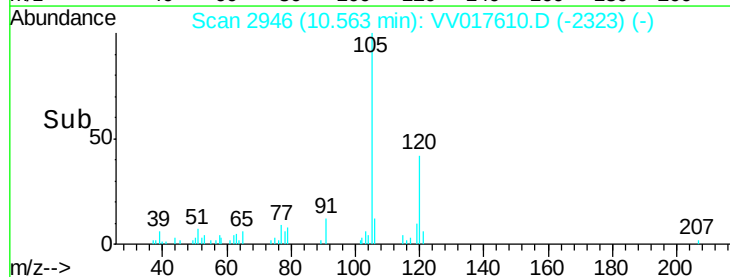
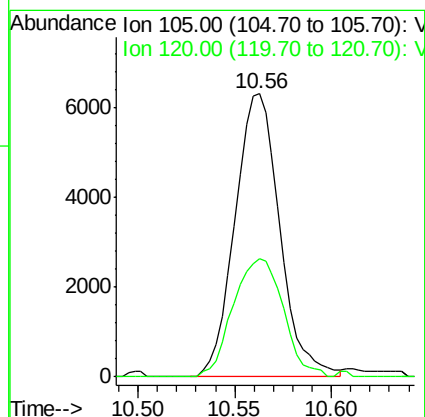
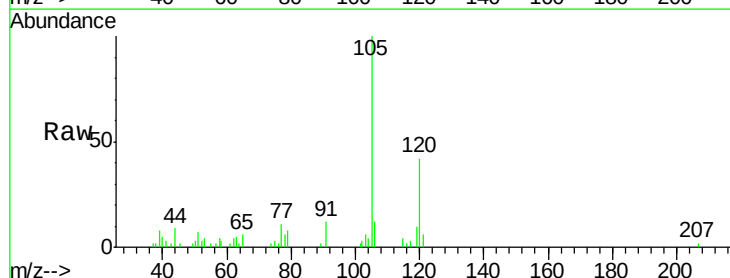
Acq: 23 Jul 2020 18:14

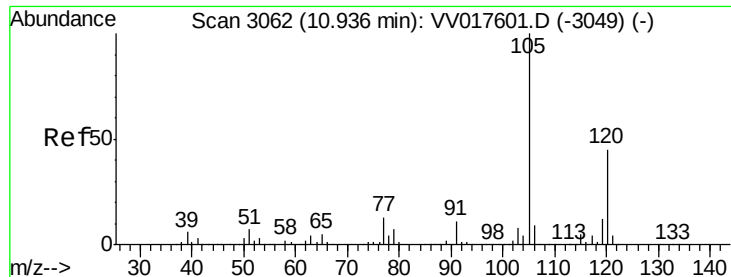
Tgt Ion: 105 Resp: 10194

Ion Ratio Lower Upper

105 100

120 46.6 39.4 59.2





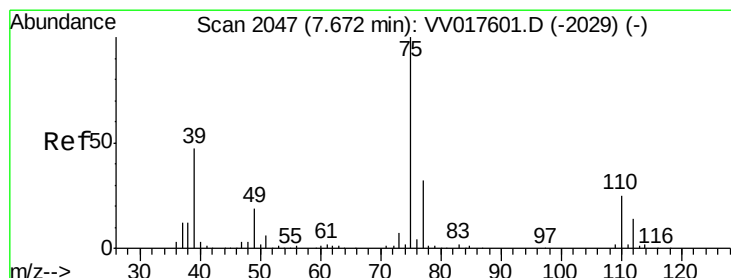
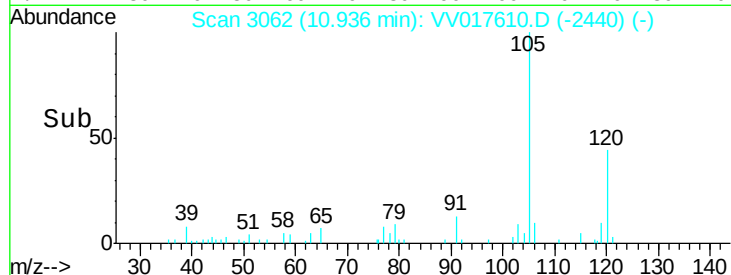
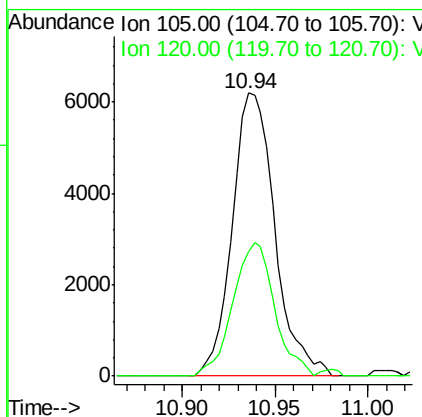
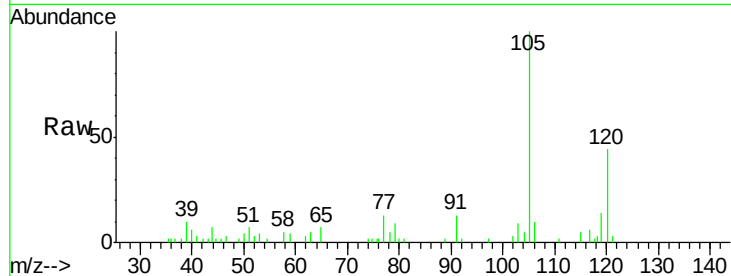
#44
1,2,4-Trimethylbenzene
Concen: 0.196 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 18:14

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion:105 Resp: 9908
Ion Ratio Lower Upper
105 100
120 46.0 35.9 53.9

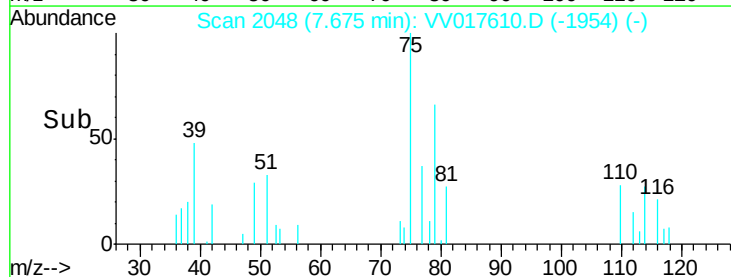
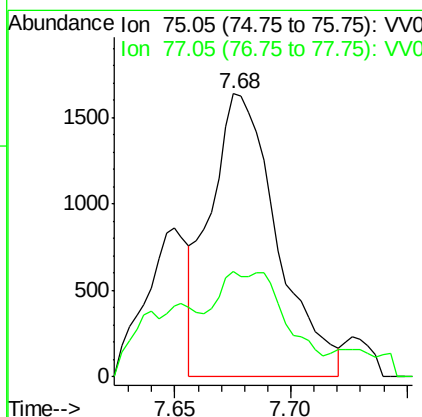
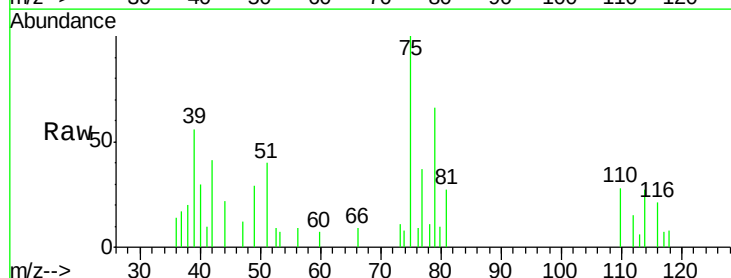
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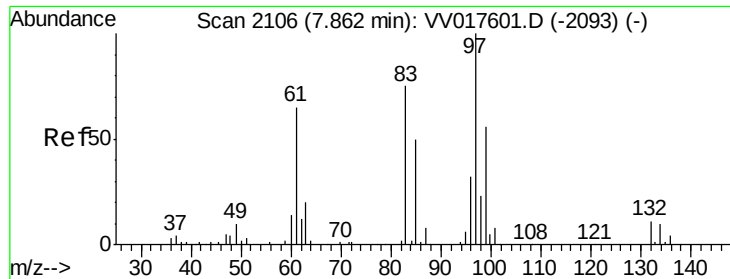
sam
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#46
trans-1,3-Dichloropropene
Concen: 0.212 ug/L
RT: 7.68 min Scan# 2048
Delta R.T. 0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 18:14

Tgt Ion: 75 Resp: 3286
Ion Ratio Lower Upper
75 100
77 37.2 22.5 41.7





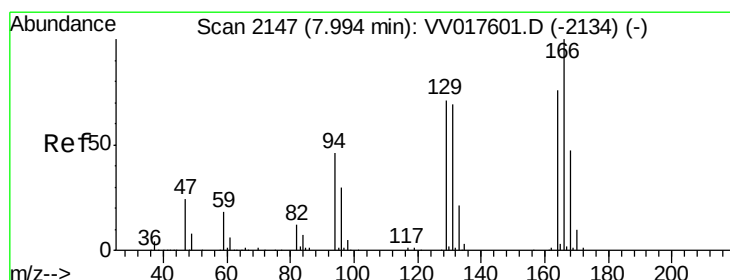
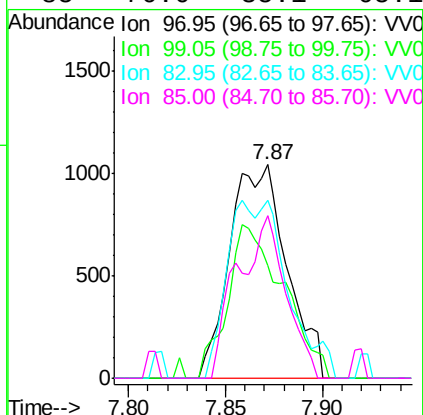
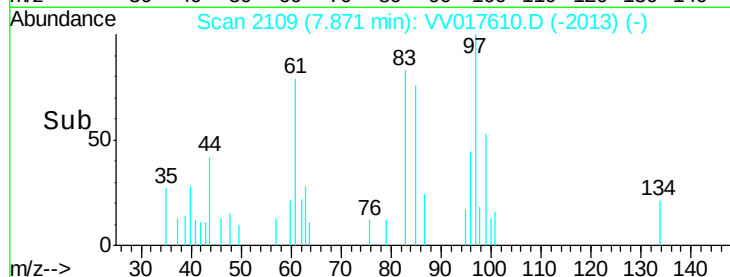
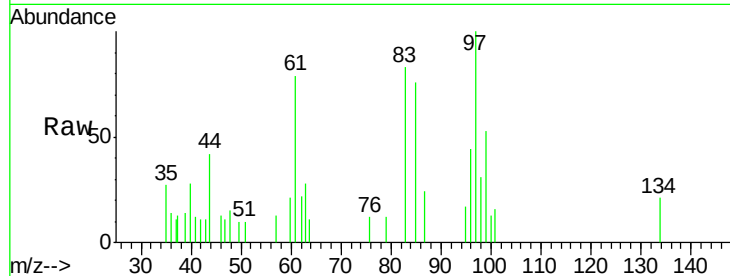
#47
 1,1,2-Trichloroethane
 Concen: 0.245 ug/L m
 RT: 7.87 min Scan# 2109
 Delta R.T. 0.01 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion:	97	Resp:	2121
Ion	Ratio	Lower	Upper
97	100		
99	52.6	39.5	73.4
83	83.3	52.6	97.6
85	76.0	35.1	65.1#

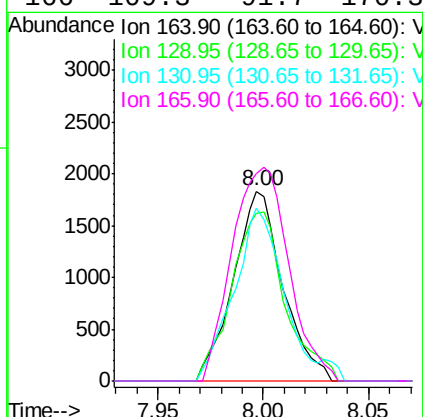
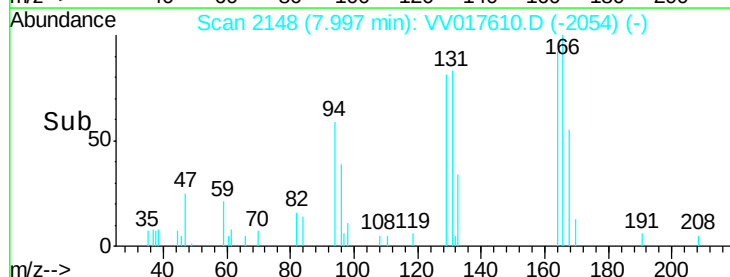
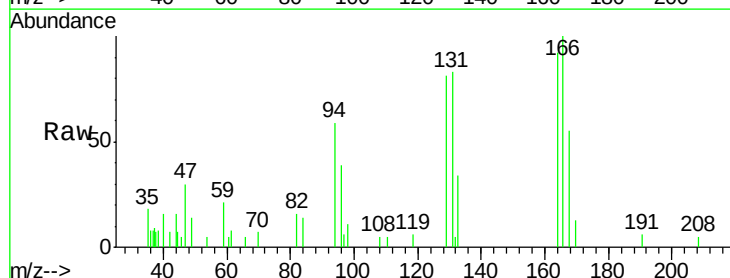
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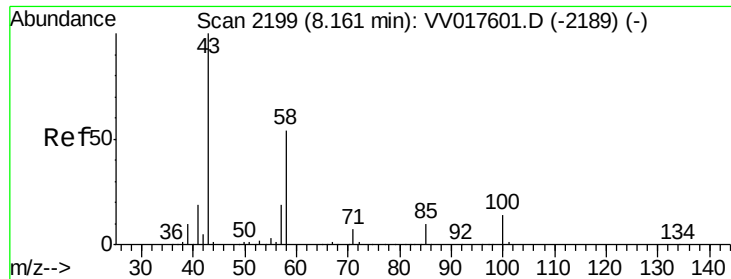
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#49
 Tetrachloroethene
 Concen: 0.249 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Tgt Ion:	164	Resp:	2987
Ion	Ratio	Lower	Upper
164	100		
129	88.3	65.0	120.8
131	91.1	63.6	118.2
166	109.3	91.7	170.3





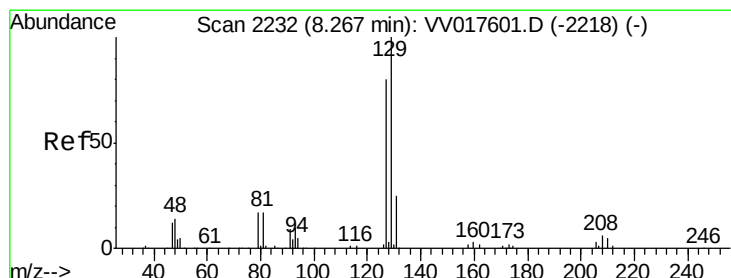
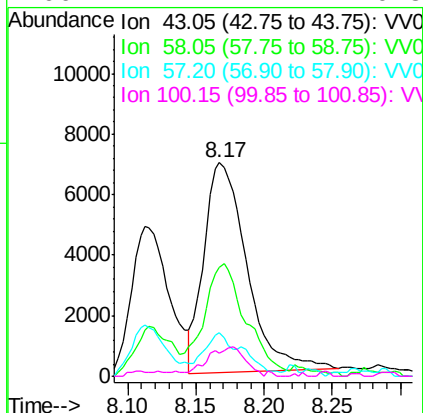
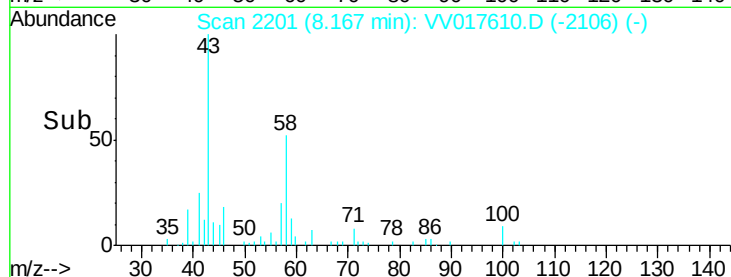
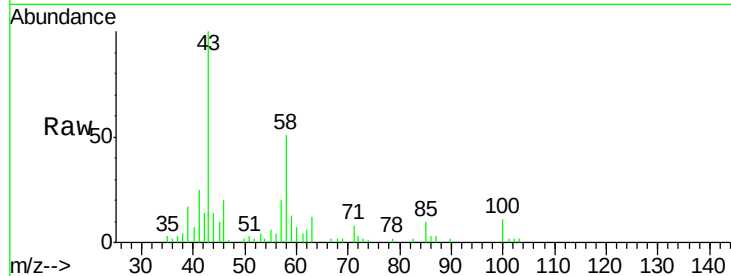
#50
2-Hexanone
Concen: 3.415 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV017610.D
Acq: 23 Jul 2020 18:14

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion:	43	Resp:	15145
Ion	Ratio	Lower	Upper
43	100		
58	51.9	41.6	62.4
57	19.3	15.4	23.0
100	12.2	11.2	16.8

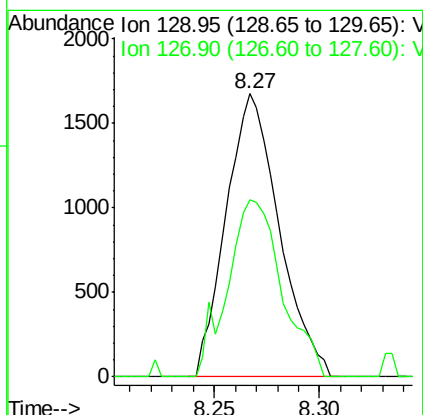
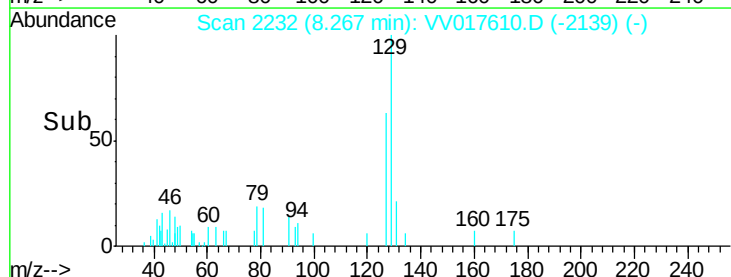
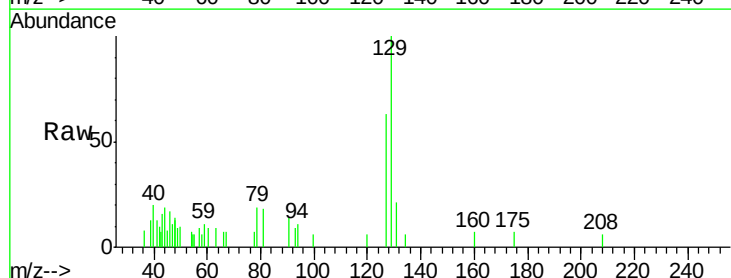
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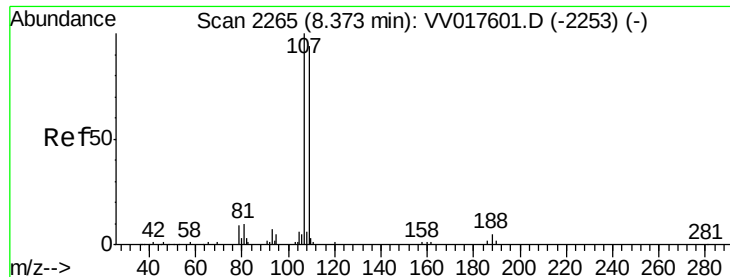
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#51
Dibromochloromethane
Concen: 0.266 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 18:14

Tgt Ion:	129	Resp:	2932
Ion	Ratio	Lower	Upper
129	100		
127	62.6	56.3	104.5





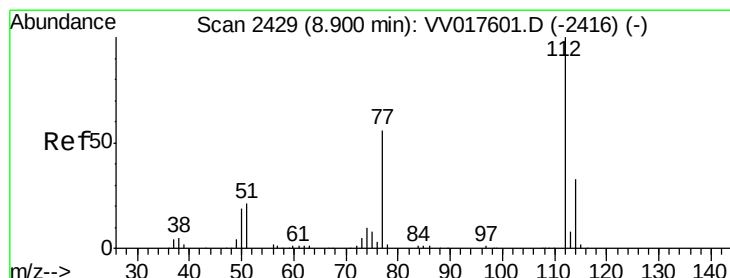
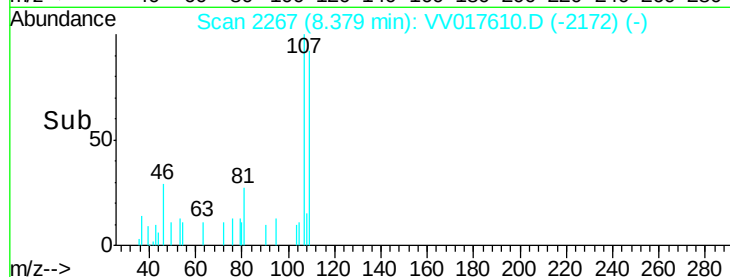
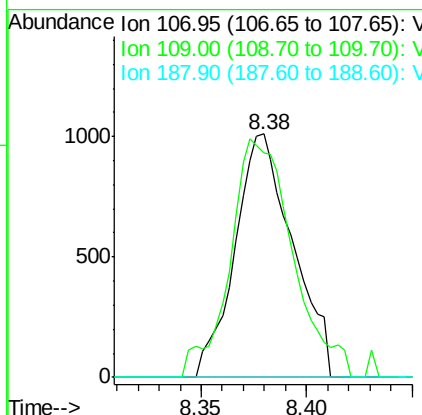
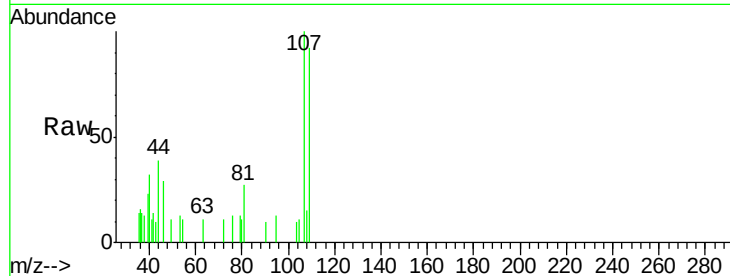
#52
 1,2-Dibromoethane
 Concen: 0.235 ug/L
 RT: 8.38 min Scan# 2267
 Delta R.T. 0.01 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	65.5	121.7
188	0.0	3.7	5.5#

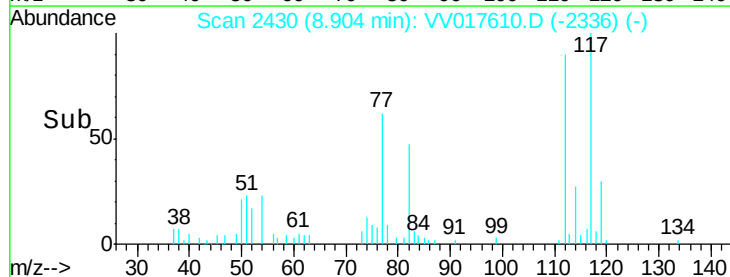
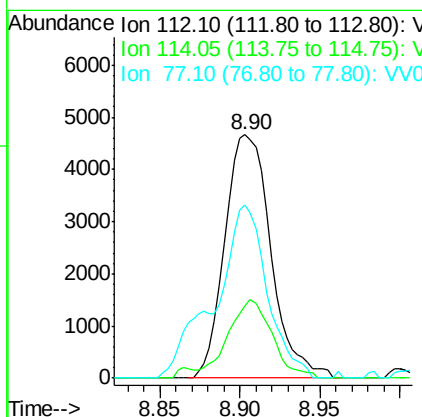
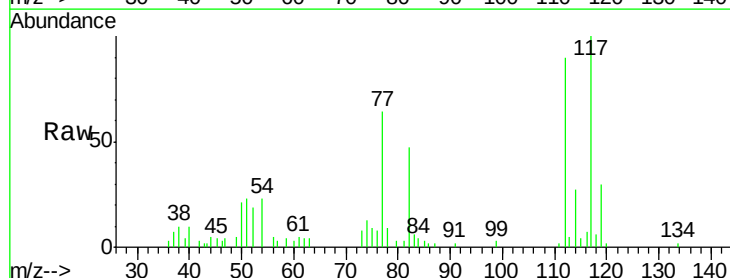
Manual Integrations
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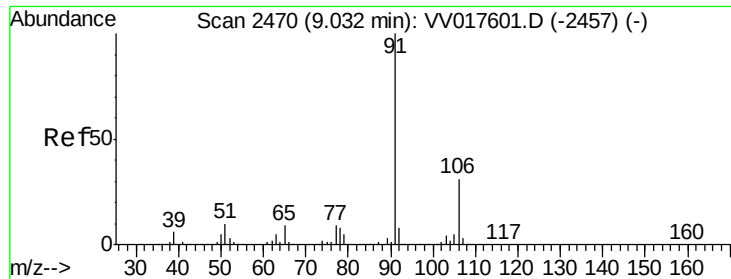
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#53
 Chlorobenzene
 Concen: 0.259 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.7	23.2	43.2
77	71.1	45.6	68.4#





#54

Ethylbenzene

Concen: 0.230 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 91 Resp: 13683

Ion Ratio Lower Upper

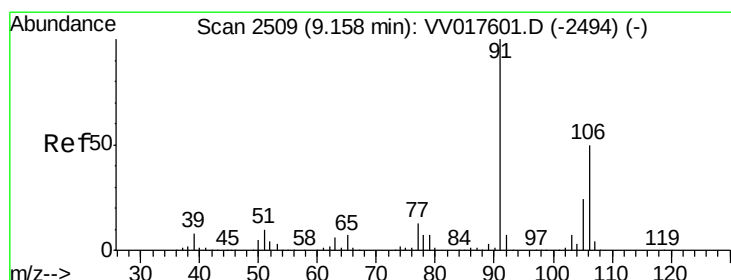
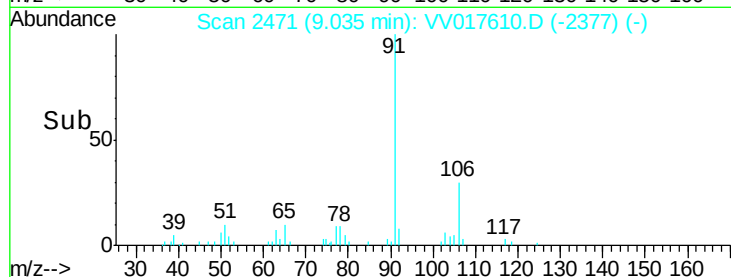
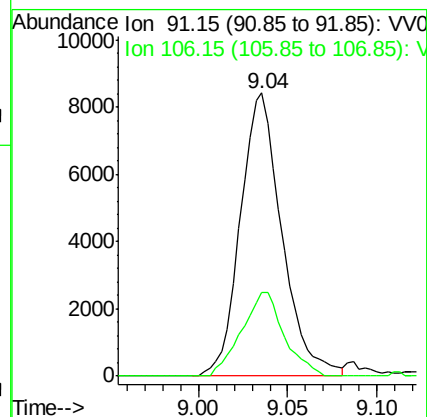
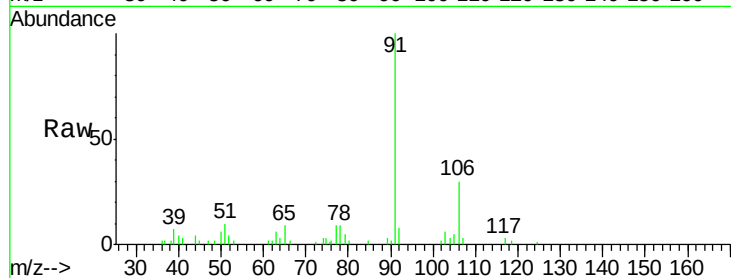
91 100

106 29.8 21.6 40.2

Manual Integrations
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#55

m,p-xylene

Concen: 0.235 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV017610.D

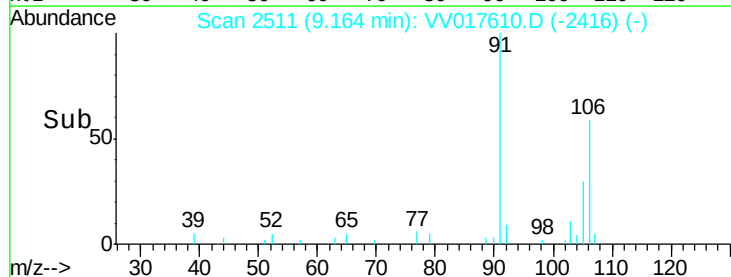
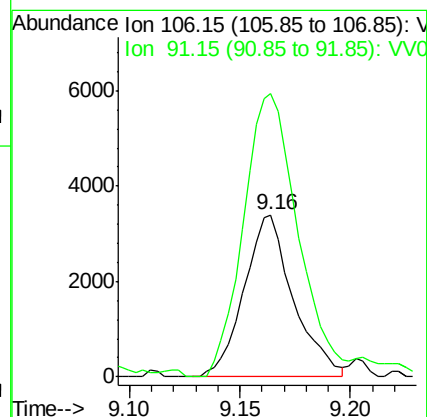
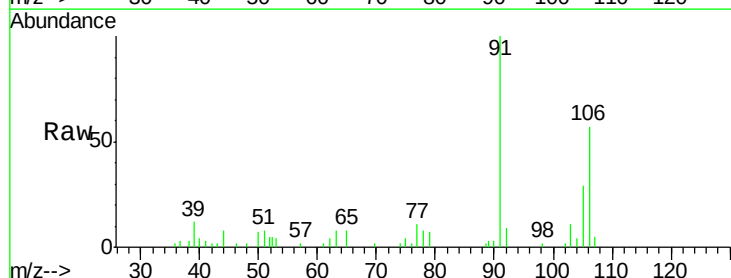
Acq: 23 Jul 2020 18:14

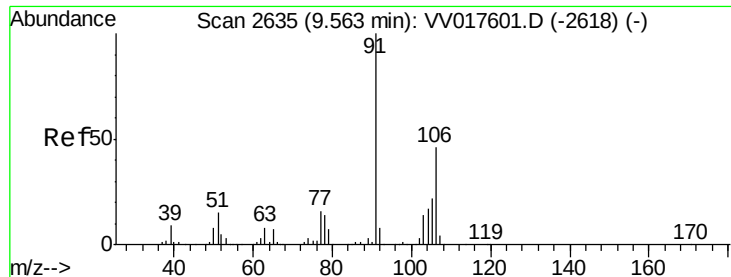
Tgt Ion: 106 Resp: 5269

Ion Ratio Lower Upper

106 100

91 174.4 141.3 262.3





#56

o-xylene

Concen: 0.240 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion:106 Resp: 5206

Ion Ratio Lower Upper

106 100

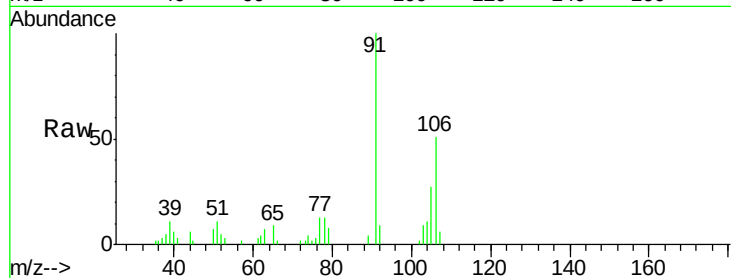
91 194.2 153.9 285.7

Manual Integrations

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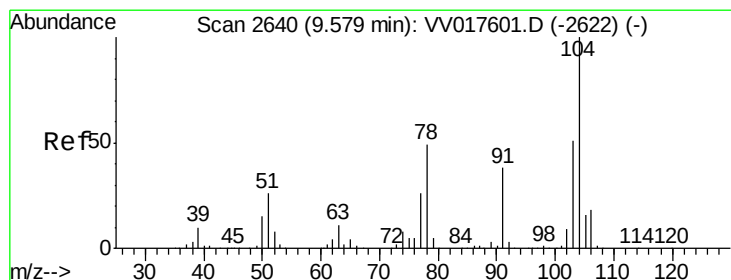
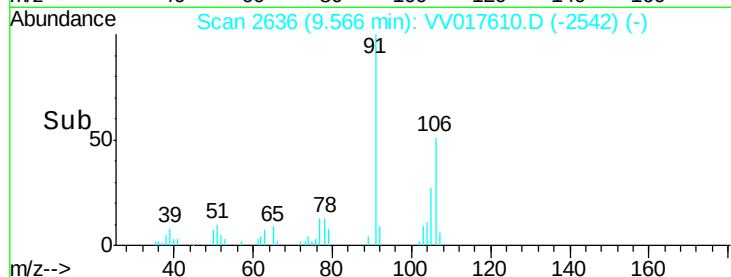
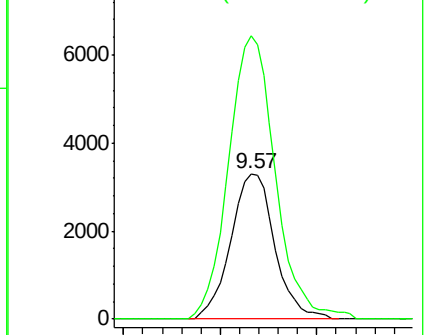
sam

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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#57

Styrene

Concen: 0.210 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV017610.D

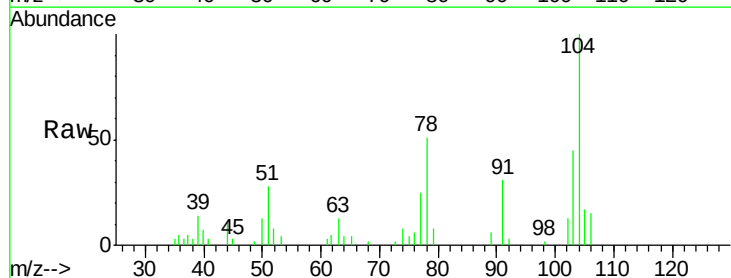
Acq: 23 Jul 2020 18:14

Tgt Ion:104 Resp: 7604

Ion Ratio Lower Upper

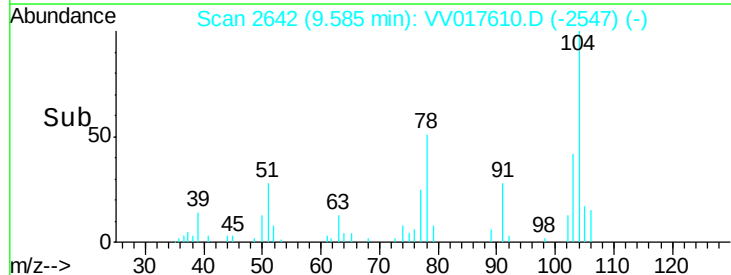
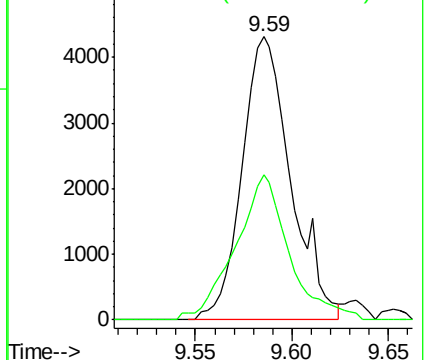
104 100

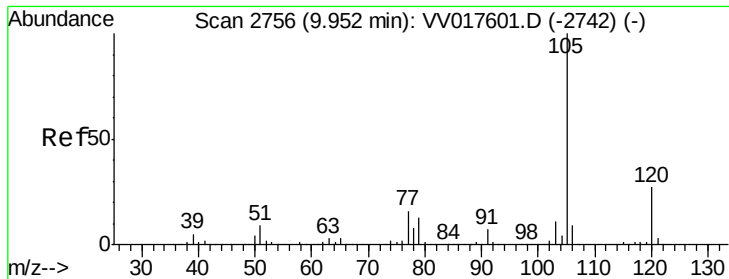
78 51.5 34.0 63.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 0.210 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

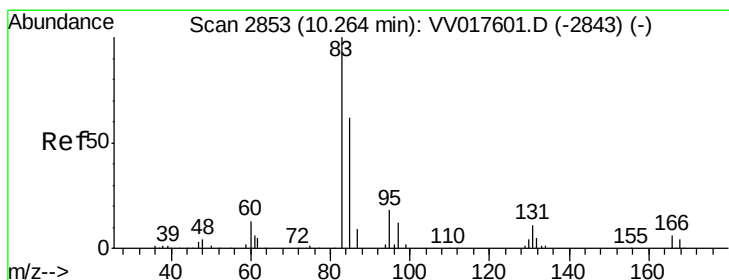
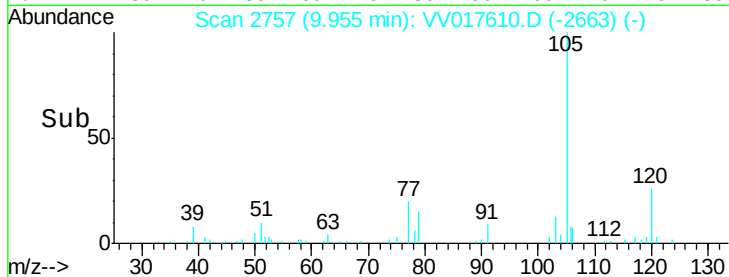
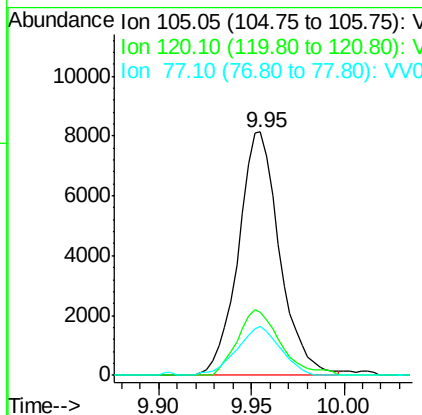
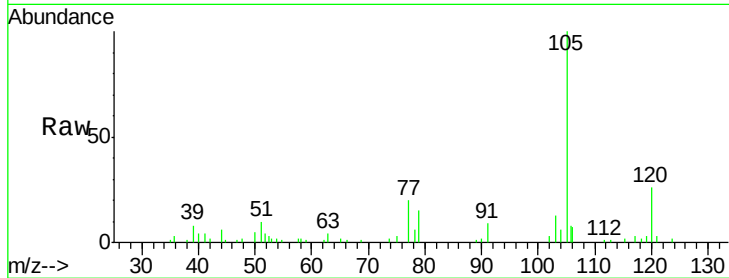
ClientSampled :

MDL05

Tot Ion:	105	Resp:	12579
Ion Ratio	Lower	Upper	
105	100		
120	27.9	21.1	31.7
77	21.2	13.0	19.6

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#60

1,1,2,2-Tetrachloroethane

Concen: 0.277 ug/L

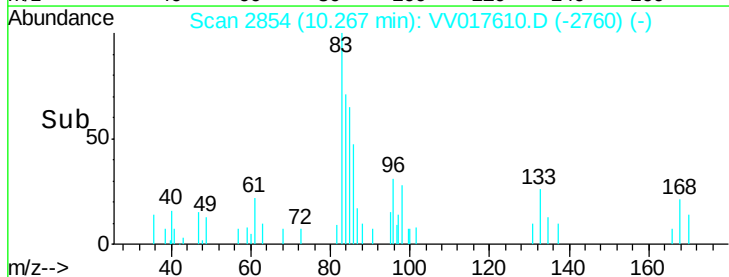
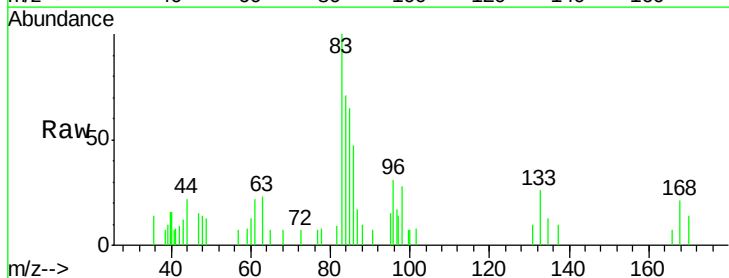
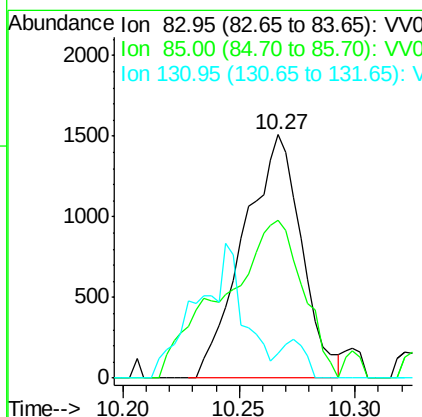
RT: 10.27 min Scan# 2854

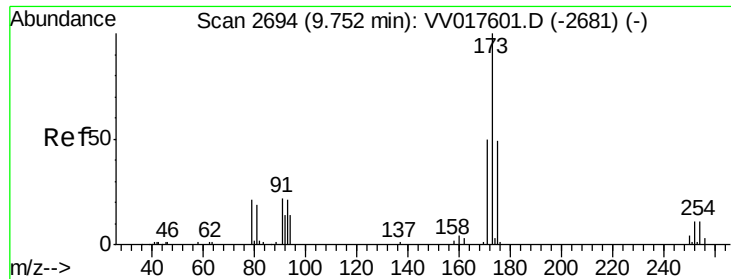
Delta R.T. 0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 18:14

Tgt Ion:	83	Resp:	2621
Ion Ratio	Lower	Upper	
83	100		
85	64.7	44.4	82.5
131	10.0	9.2	13.8





#62

Bromoform

Concen: 0.272 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

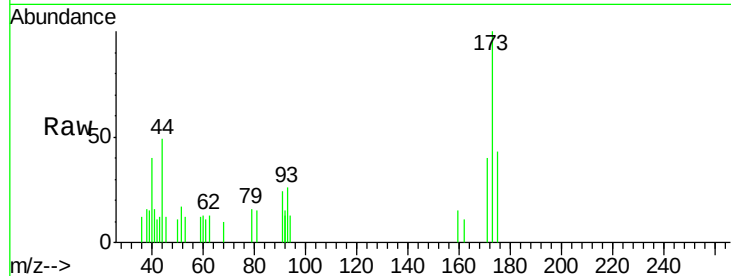
ClientSampleId :

MDL05

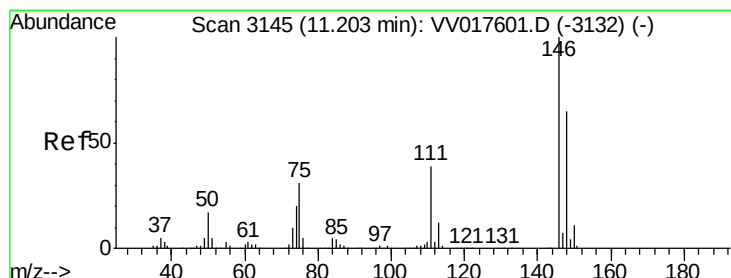
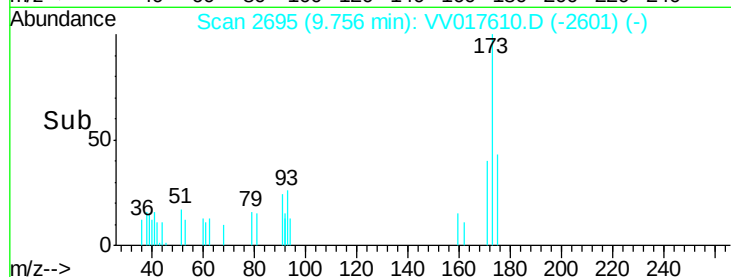
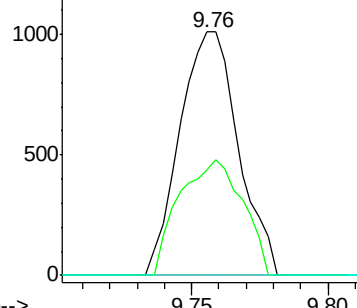
Tot Ion:	173	Resp:	1506
Ion Ratio	Lower	Upper	
173	100		
175	51.5	39.6	59.4
254	0.0	8.4	12.6#

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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 0.273 ug/L

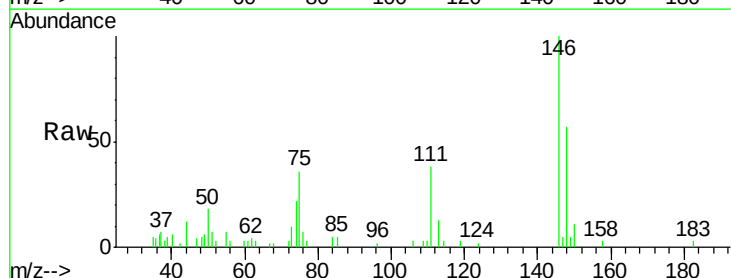
RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

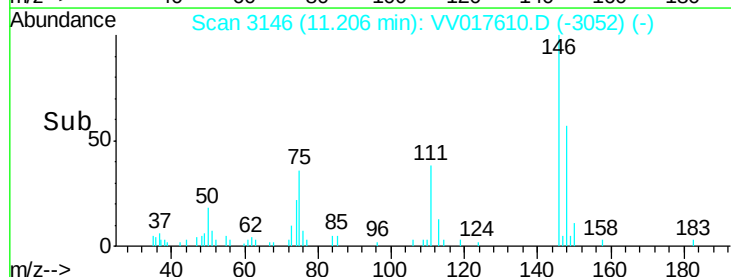
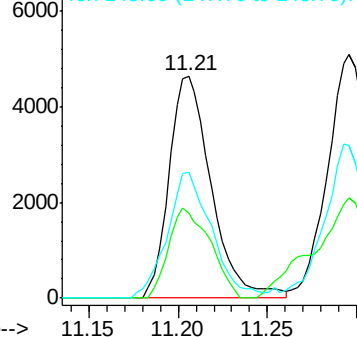
Lab File: VV017610.D

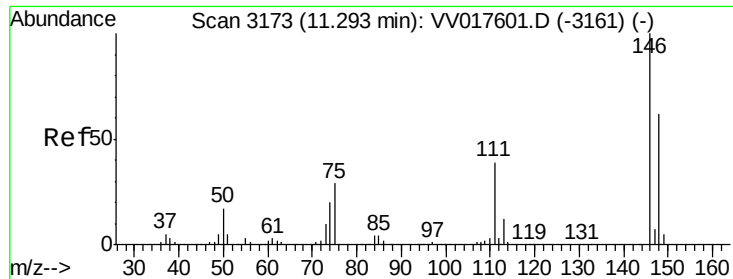
Acq: 23 Jul 2020 18:14

Tgt Ion:	146	Resp:	7620
Ion Ratio	Lower	Upper	
146	100		
111	38.5	27.3	50.7
148	57.0	45.6	84.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





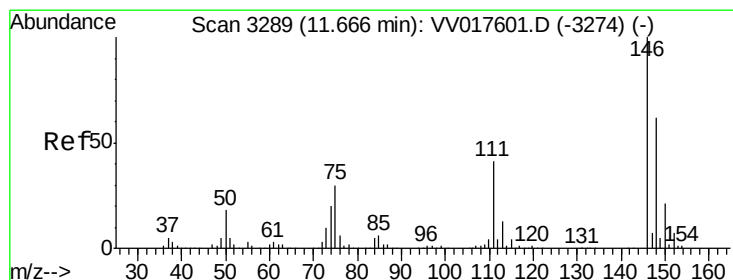
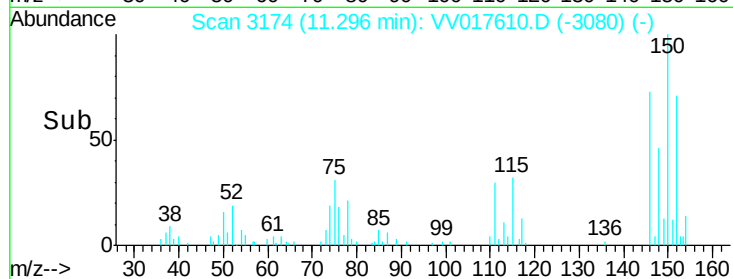
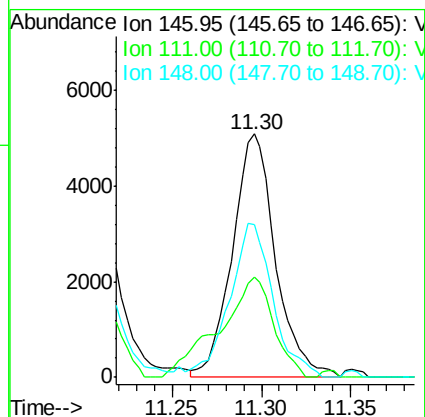
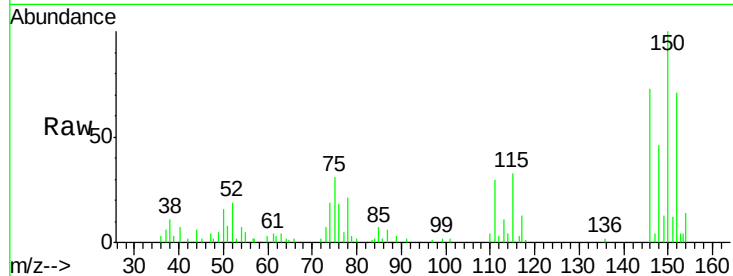
#64
 1,4-Dichlorobenzene
 Concen: 0.307 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	27.4	51.0
148	62.8	43.8	81.4

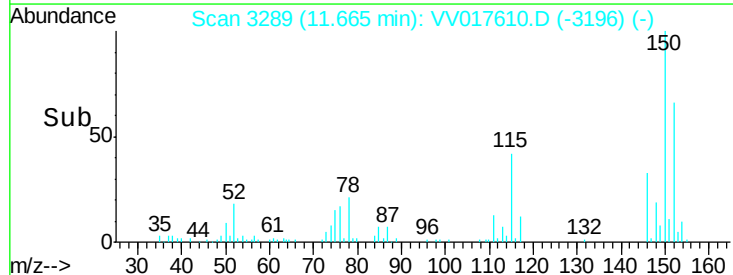
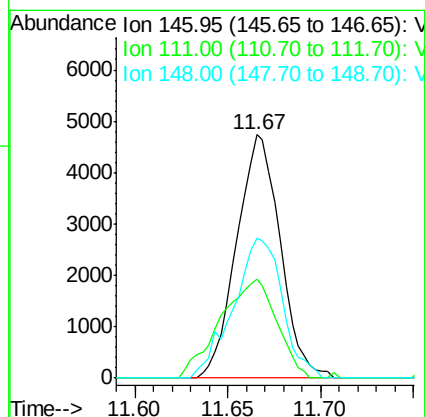
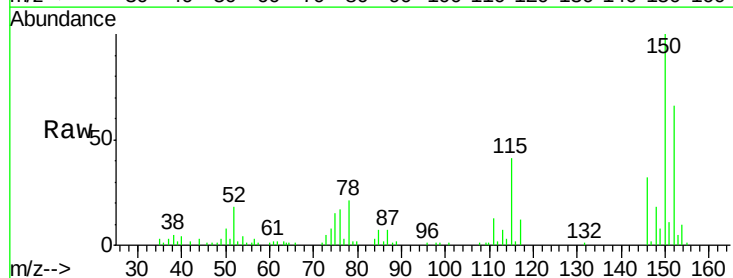
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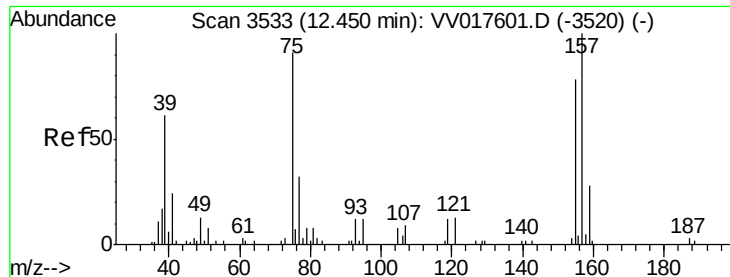
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#66
 1,2-Dichlorobenzene
 Concen: 0.305 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	33.0	49.4
148	57.5	49.9	74.9





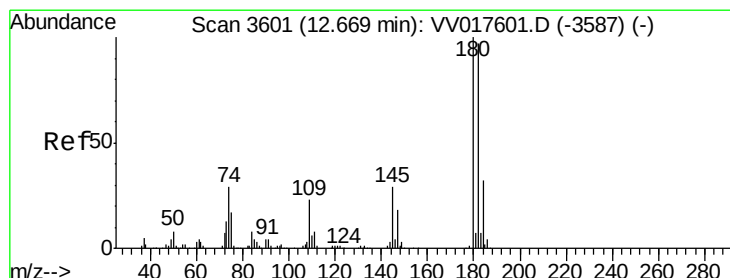
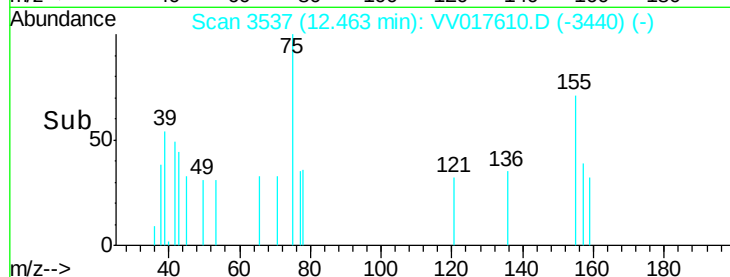
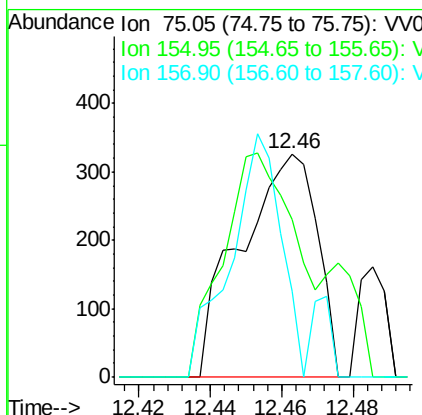
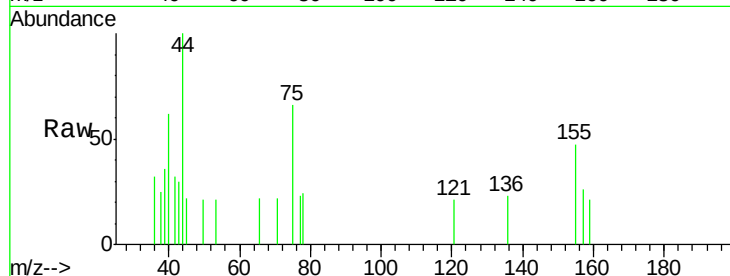
#67
 1,2-Dibromo-3-chloropropane
 Concen: 0.305 ug/L
 RT: 12.46 min Scan# 3537
 Delta R.T. 0.01 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
75	100		
155	70.9	68.7	103.1
157	38.7	87.8	131.8#

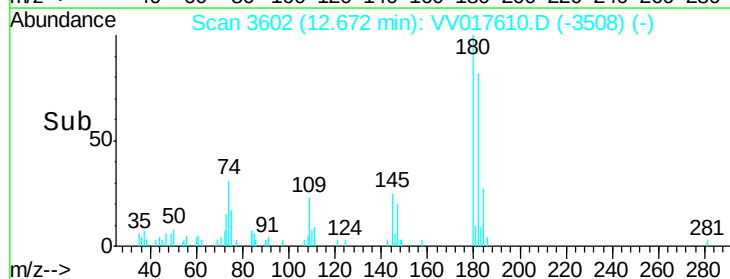
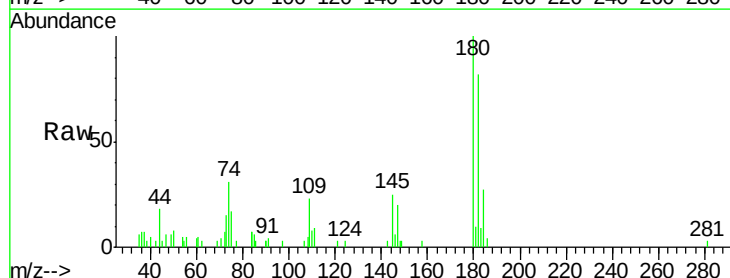
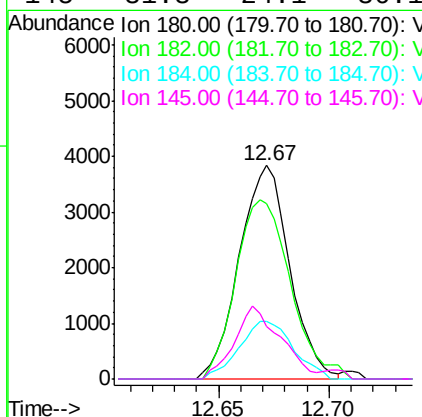
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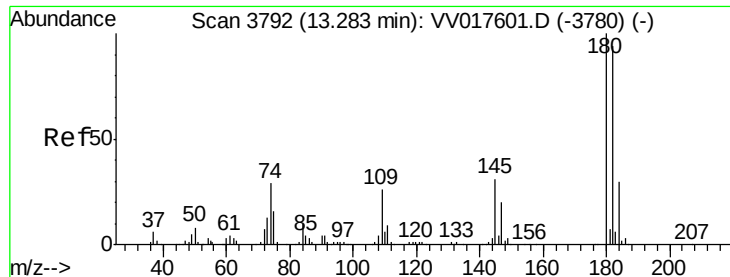
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#68
 1,3,5-Trichlorobenzene
 Concen: 0.269 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	77.1	115.7
184	28.8	25.2	37.8
145	31.3	24.1	36.1





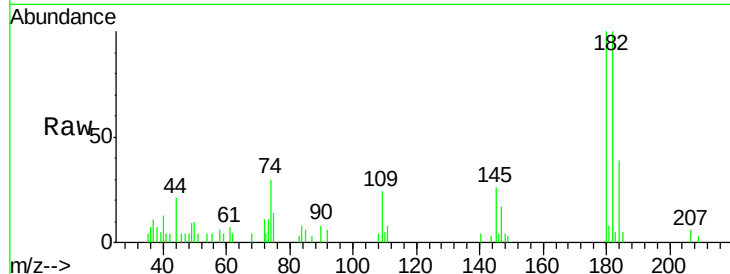
#69
 1,2,4-trichlorobenzene
 Concen: 0.270 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

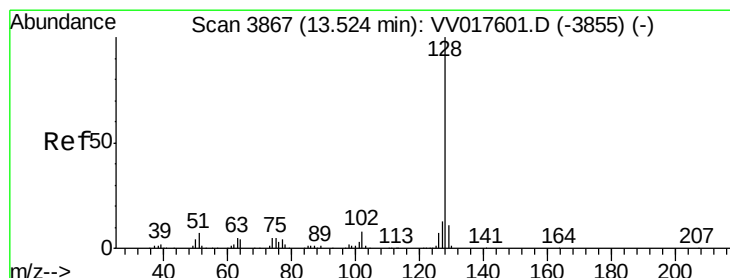
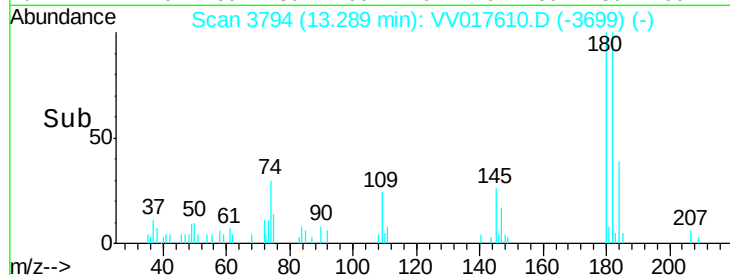
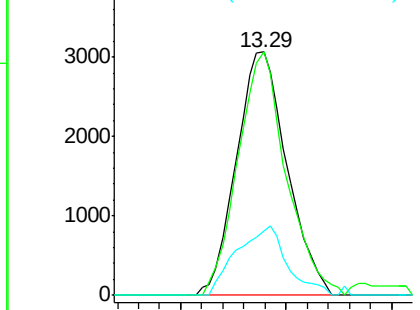
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.4	113.2
145	28.3	24.2	36.2

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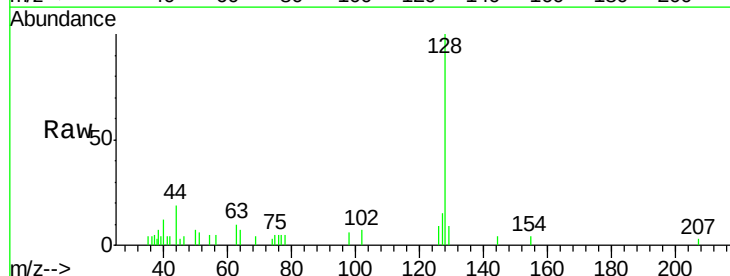


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

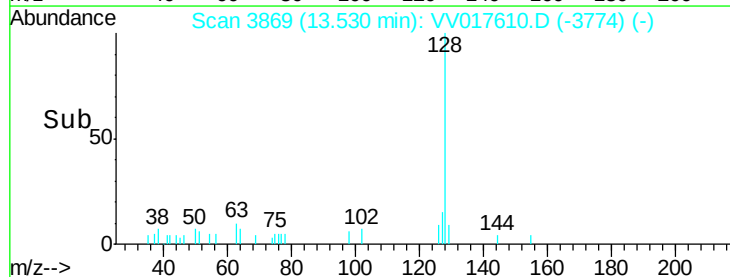
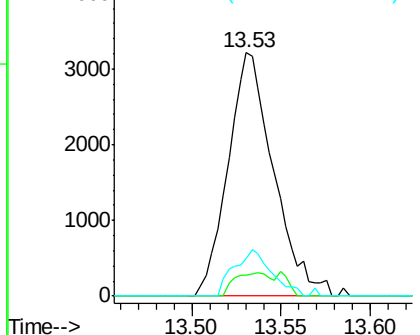


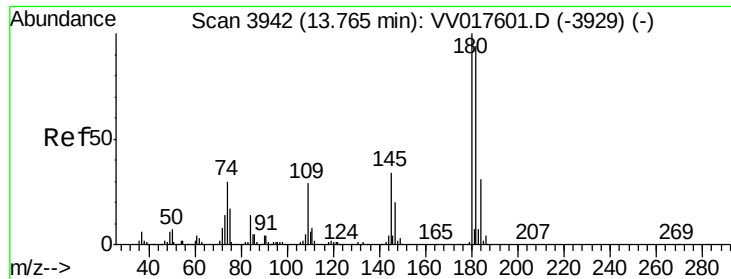
#70
 Naphthalene
 Concen: 0.216 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.01 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Tgt Ion	Ratio	Lower	Upper
128	100		
129	7.8	9.1	13.7#
127	15.8	11.0	16.6



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: 0.227 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.01 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 18:14

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.6	74.2	111.4
145	37.7	26.0	39.0

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