

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
 Data File : VV018414.D
 Acq On : 23 Sep 2020 15:40
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 1:22:52 PM

Quant Time: Sep 24 08:12:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 24 07:48:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	291977	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	287030	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	146784	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	79797	44.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.10%
7) Chloroethane-d5	1.58	69	71819	46.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.10%
11) 1,1-Dichloroethene-d2	2.12	63	127313	33.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.04%
21) 2-Butanone-d5	3.92	46	128365	98.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.84%
24) Chloroform-d	4.38	84	168825	44.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.88%
26) 1,2-Dichloroethane-d4	5.06	65	113770	47.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.44%
32) Benzene-d6	5.08	84	339557	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
36) 1,2-Dichloropropane-d6	6.09	67	112252	48.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.34%
41) Toluene-d8	7.34	98	309381	46.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.52%
43) trans-1,3-Dichloropropene-	7.64	79	54262	46.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.80%
47) 2-Hexanone-d5	8.11	63	80311	93.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.62%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	134659	44.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.98%
66) 1,2-Dichlorobenzene-d4	11.65	152	134013	49.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3818	1.772 ug/L	99
3) Chloromethane	1.25	50	4691	1.963 ug/L	95
5) Vinyl chloride	1.32	62	4926	2.014 ug/L #	67
6) Bromomethane	1.53	94	3054	1.965 ug/L	94
8) Chloroethane	1.60	64	3052	1.936 ug/L	99
9) Trichlorofluoromethane	1.77	101	6394	1.839 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4947	2.320 ug/L #	81
12) 1,1-Dichloroethene	2.13	96	4733	2.334 ug/L #	1
13) Acetone	2.20	43	6468	3.938 ug/L	99
14) Carbon disulfide	2.31	76	11198	1.945 ug/L	99
15) Methyl Acetate	2.46	43	3735	1.723 ug/L	100
16) Methylene chloride	2.53	84	4914	2.141 ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	3940	1.920 ug/L	96
18) Methyl tert-butyl Ether	2.79	73	11314	1.774 ug/L	98
19) 1,1-Dichloroethane	3.22	63	7312	1.835 ug/L	95
20) cis-1,2-Dichloroethene	3.94	96	4060	1.835 ug/L	94
22) 2-Butanone	4.04	43	4267m	2.617 ug/L	

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 APPROVED

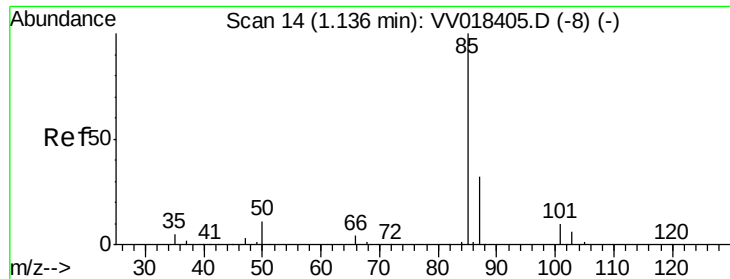
MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	2178	1.838	ug/L	79
25) Chloroform	4.41	83	9588	2.380	ug/L	99
27) 1,2-Dichloroethane	5.17	62	6035	1.933	ug/L	97
29) Cyclohexane	4.71	56	5871	1.758	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	6265	1.775	ug/L	96
31) Carbon tetrachloride	4.86	117	5150	1.673	ug/L	93
33) Benzene	5.13	78	16766	1.950	ug/L	100
34) Trichloroethene	5.94	95	4792	2.028	ug/L	97
35) Methylcyclohexane	6.15	83	5888	1.716	ug/L	99
37) 1,2-Dichloropropane	6.21	63	3999	1.759	ug/L	99
38) Bromodichloromethane	6.54	83	5346	1.797	ug/L	100
39) cis-1,3-Dichloropropene	7.06	75	6357	1.864	ug/L	93
40) 4-Methyl-2-pentanone	7.25	43	8697	3.224	ug/L	99
42) Toluene	7.41	91	16554	1.836	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	5919	1.751	ug/L	94
45) 1,1,2-Trichloroethane	7.86	97	3923	1.833	ug/L	97
46) Tetrachloroethene	8.00	164	3193	1.725	ug/L	91
48) 2-Hexanone	8.17	43	12235	5.352	ug/L #	96
49) Dibromochloromethane	8.27	129	4352	1.826	ug/L	96
50) 1,2-Dibromoethane	8.38	107	4074	1.828	ug/L #	97
51) Chlorobenzene	8.90	112	11336	1.881	ug/L	95
52) Ethylbenzene	9.04	91	17027	1.716	ug/L	98
53) m,p-Xylene	9.16	106	5937	1.602	ug/L	100
54) o-Xylene	9.57	106	5719	1.602	ug/L	90
55) Styrene	9.59	104	9212	1.475	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.26	83	6199	1.986	ug/L	97
59) Bromoform	9.75	173	2806	1.710	ug/L #	94
60) Isopropylbenzene	9.95	105	14658	1.620	ug/L	99
61) 1,2,3-Trichloropropane	10.30	75	5372	2.109	ug/L	94
62) 1,3,5-Trimethylbenzene	10.56	105	11061	1.510	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	10842	1.442	ug/L	98
64) 1,3-Dichlorobenzene	11.21	146	8825	1.919	ug/L	96
65) 1,4-Dichlorobenzene	11.30	146	9432	1.957	ug/L	97
67) 1,2-Dichlorobenzene	11.67	146	9202	1.990	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.45	75	1119	1.739	ug/L	92
69) 1,3,5-Trichlorobenzene	12.67	180	6591	1.838	ug/L	98
70) 1,2,4-trichlorobenzene	13.29	180	5636	1.754	ug/L	97
71) Naphthalene	13.53	128	11714	1.406	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	5459	1.691	ug/L	100

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

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ALS Vial : 15 Sample Multiplier: 1



#2

Dichlorodifluoromethane

Concen: 1.772 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion: 85 Resp: 3818

Ion Ratio Lower Upper

85 100

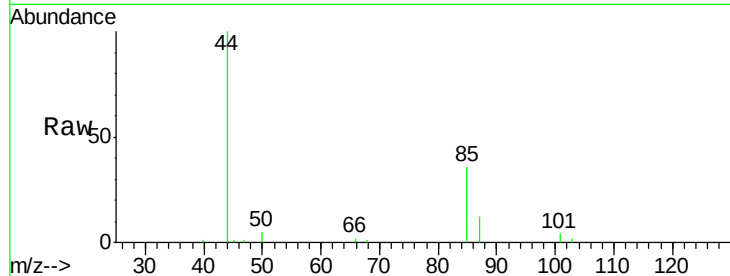
87 31.7 25.8 38.6

Manual Integrations

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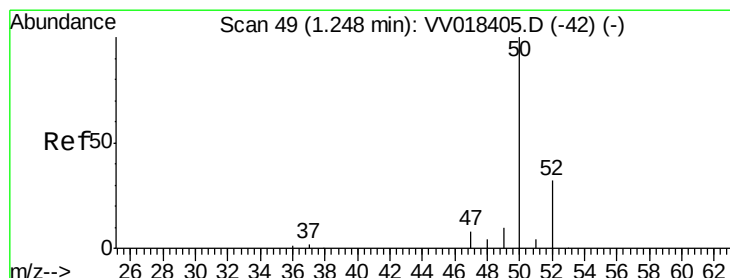
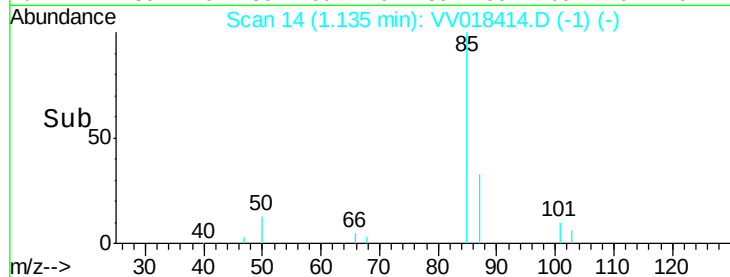
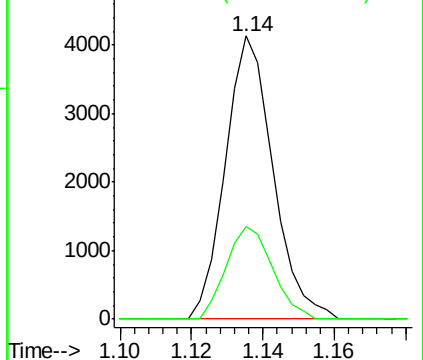
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 1.963 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018414.D

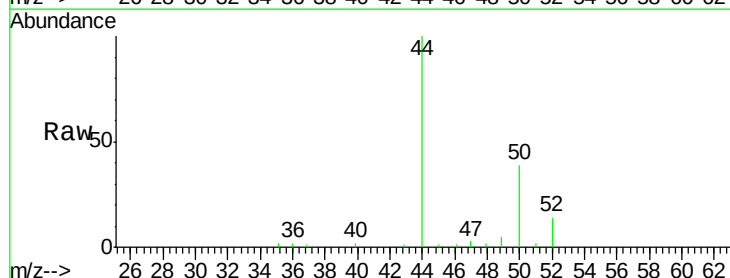
Acq: 23 Sep 2020 15:40

Tgt Ion: 50 Resp: 4691

Ion Ratio Lower Upper

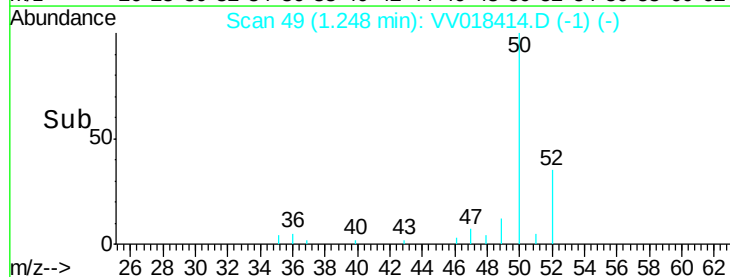
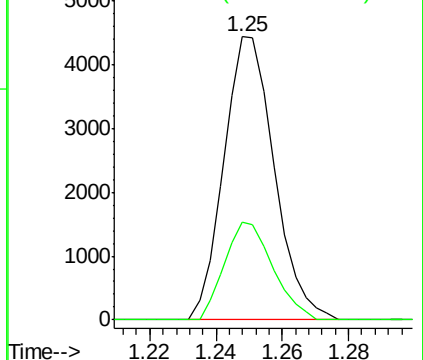
50 100

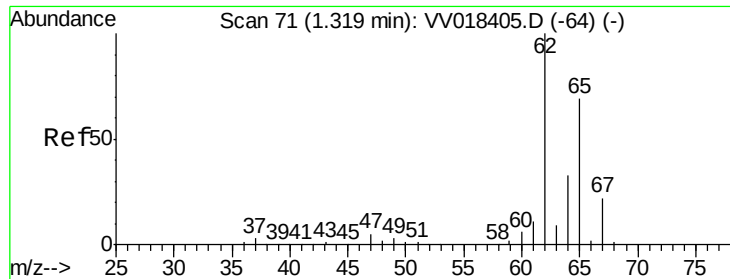
52 34.7 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.014 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 62 Resp: 4926

Ion Ratio Lower Upper

62 100

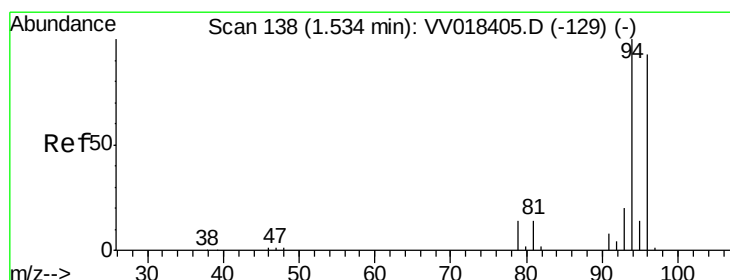
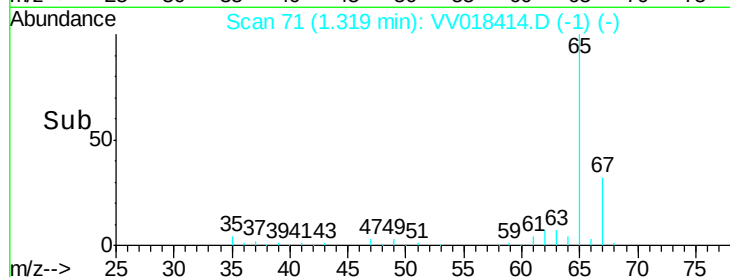
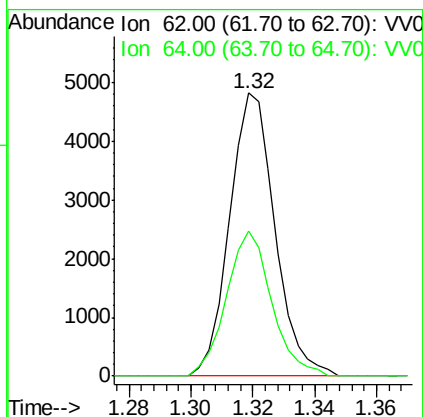
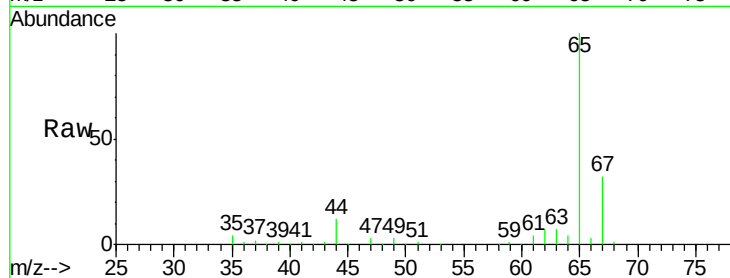
64 51.2 22.9 42.5#

Manual Integrations

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#6

Bromomethane

Concen: 1.965 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018414.D

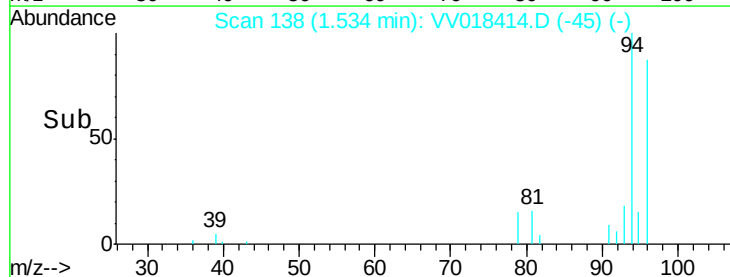
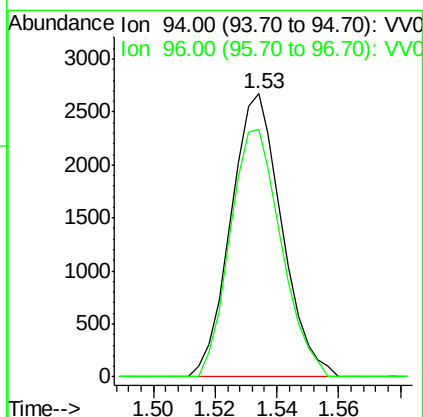
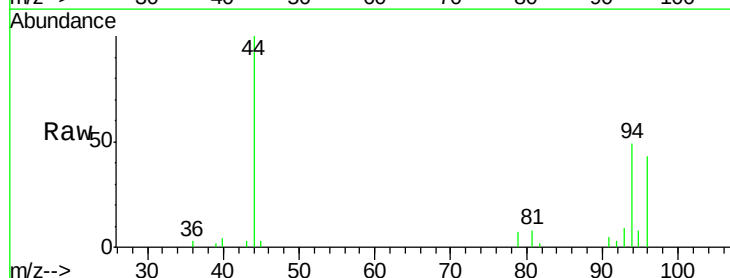
Acq: 23 Sep 2020 15:40

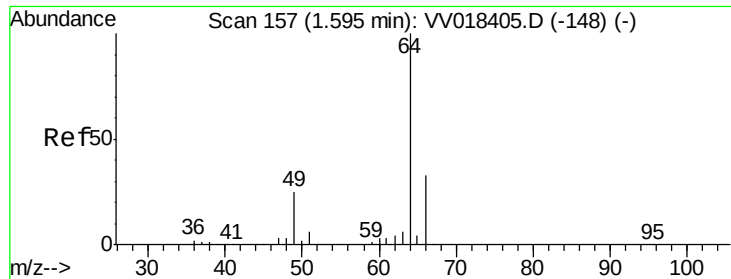
Tgt Ion: 94 Resp: 3054

Ion Ratio Lower Upper

94 100

96 87.3 65.4 121.4





#8

Chloroethane

Concen: 1.936 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion: 64 Resp: 3052

Ion Ratio Lower Upper

64 100

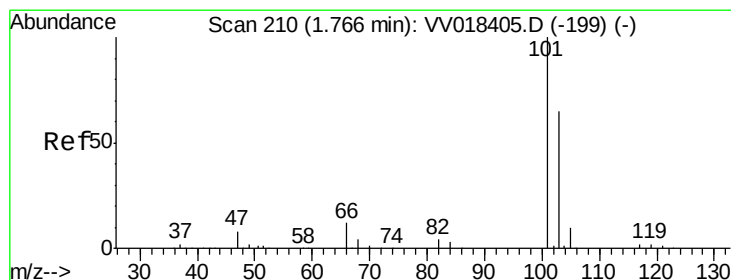
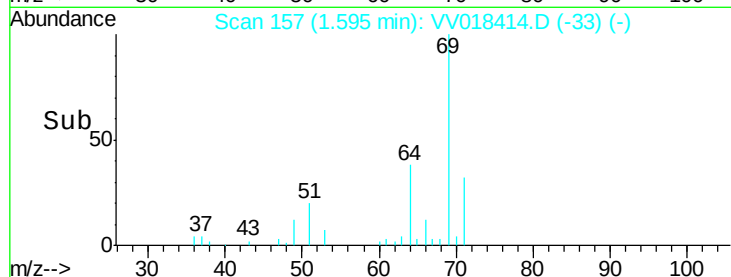
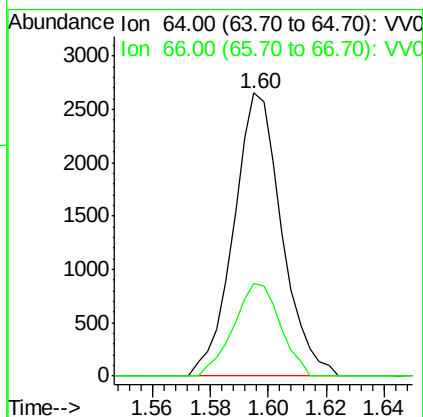
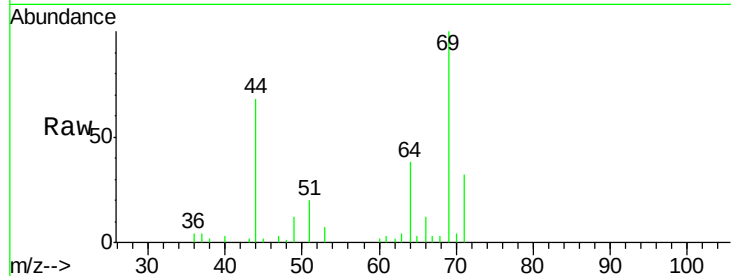
66 32.5 23.0 42.6

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.839 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV018414.D

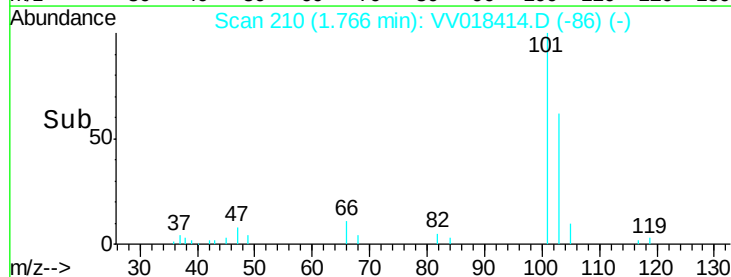
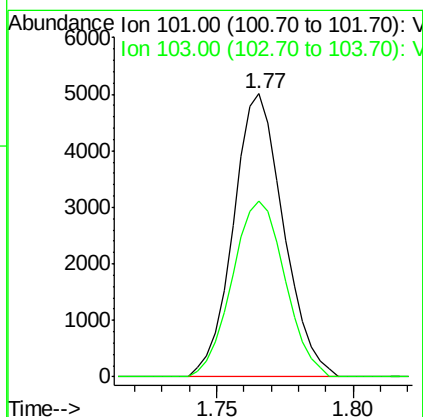
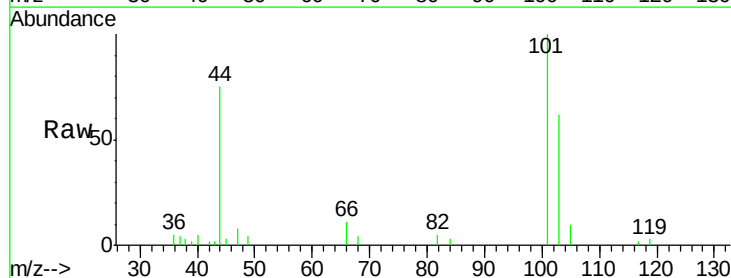
Acq: 23 Sep 2020 15:40

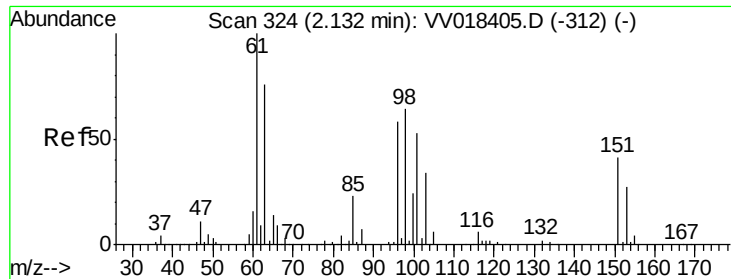
Tgt Ion: 101 Resp: 6394

Ion Ratio Lower Upper

101 100

103 65.3 52.1 78.1





#10

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

Concen: 2.320 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

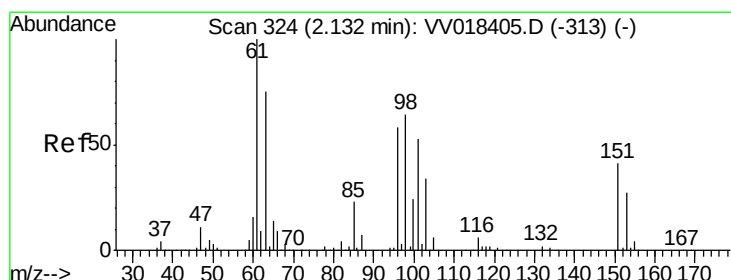
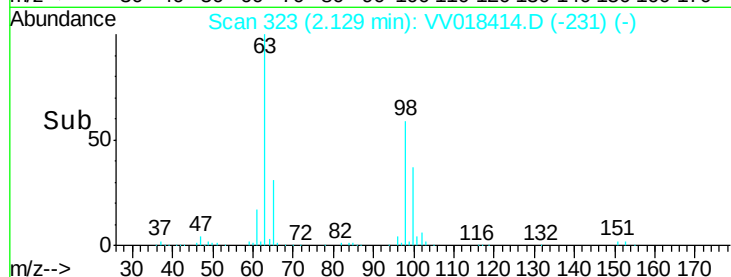
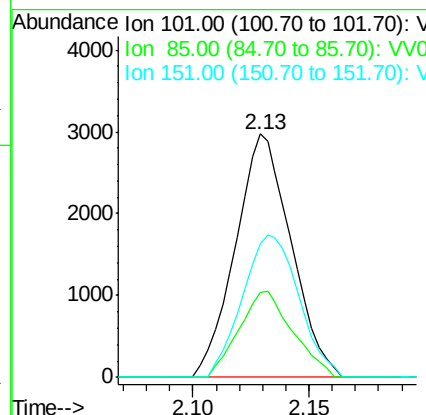
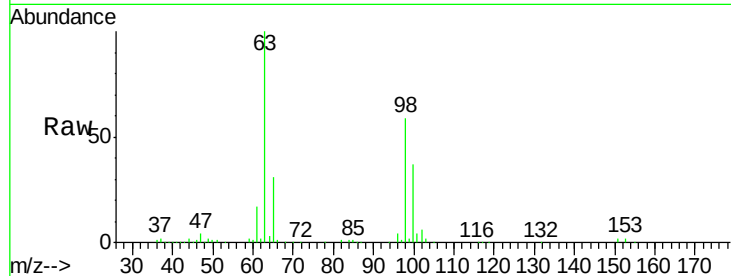
ClientSampleId :

MDL03

Tot Ion:	101	Resp:	4947
Ion Ratio	Lower	Upper	
101	100		
85	34.2	34.6	51.8#
151	59.5	62.4	93.6#

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#12

1,1-Dichloroethene

Concen: 2.334 ug/L

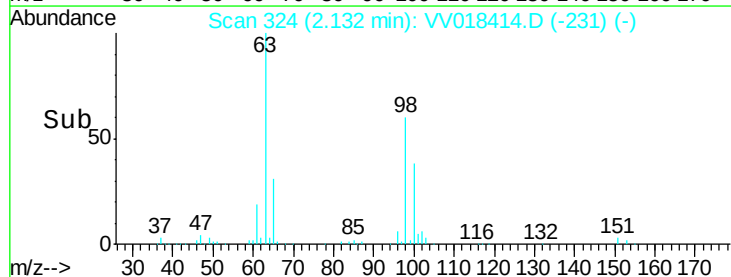
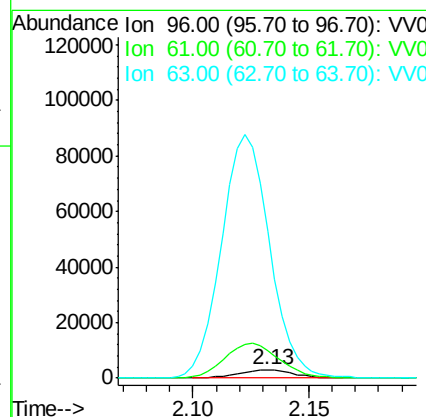
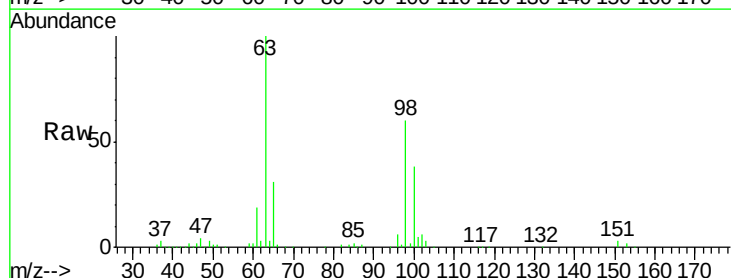
RT: 2.13 min Scan# 324

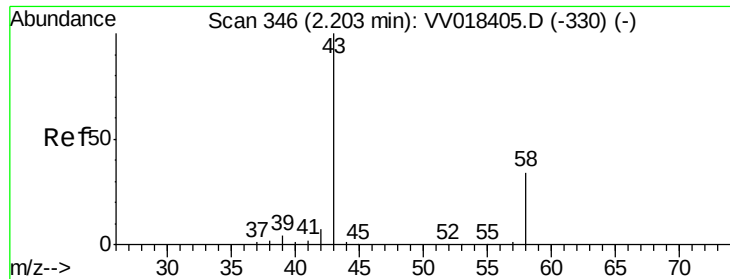
Delta R.T. -0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Tgt Ion:	96	Resp:	4733
Ion Ratio	Lower	Upper	
96	100		
61	326.8	121.0	224.8#
63	1715.3	93.0	172.6#





#13

Acetone

Concen: 3.938 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 43 Resp: 6468

Ion Ratio Lower Upper

43 100

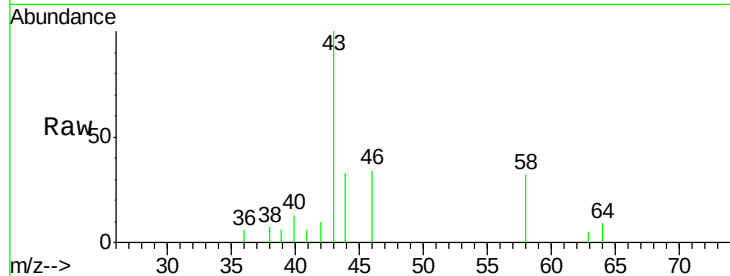
58 32.3 0.0 65.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2500

2000

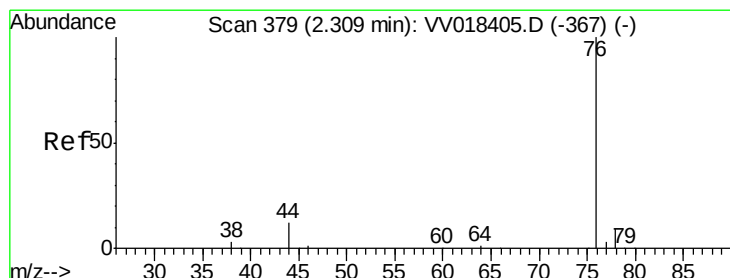
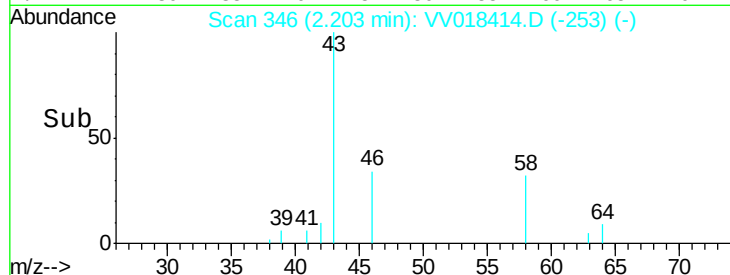
1500

1000

500

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 1.945 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018414.D

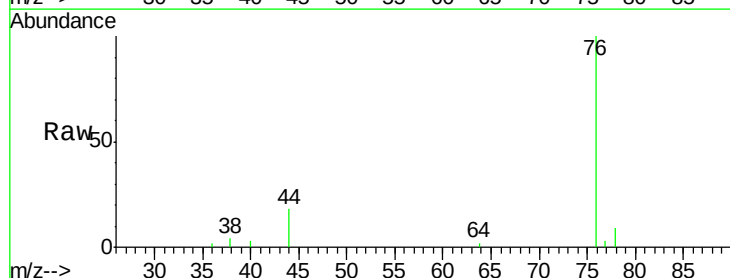
Acq: 23 Sep 2020 15:40

Tgt Ion: 76 Resp: 11198

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

8000

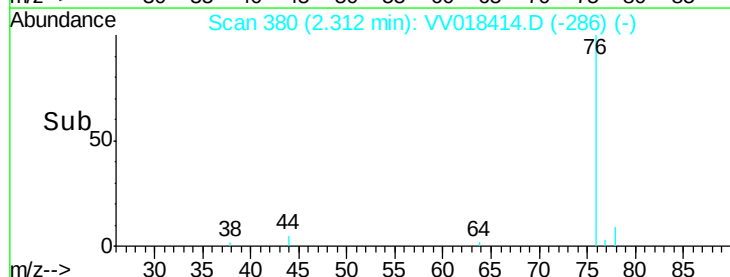
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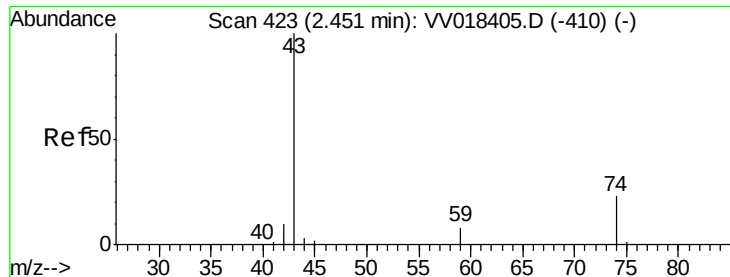
4000

2000

0

Time--> 2.25 2.30 2.35





#15

Methvl Acetate

Concen: 1.723 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion: 43 Resp: 3735

Ion Ratio Lower Upper

43 100

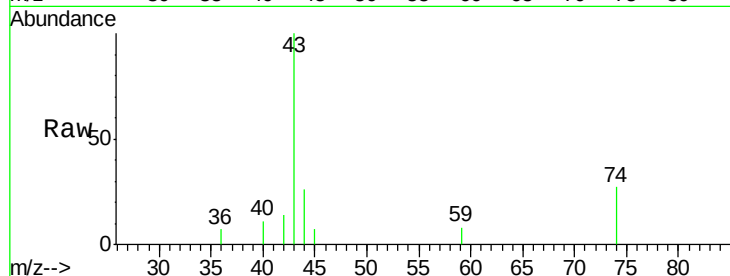
74 22.9 18.4 27.6

Manual Integrations

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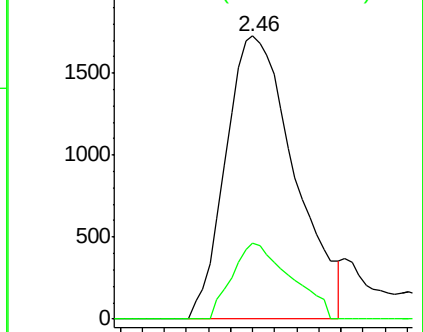
MMDadoda

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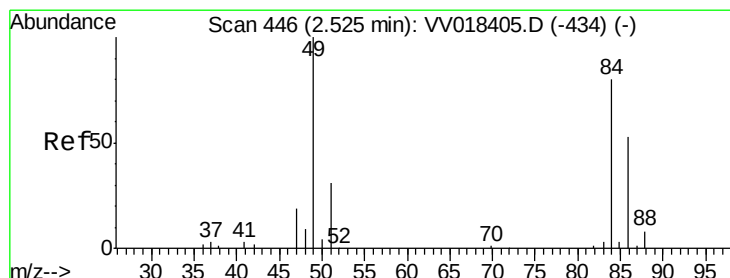
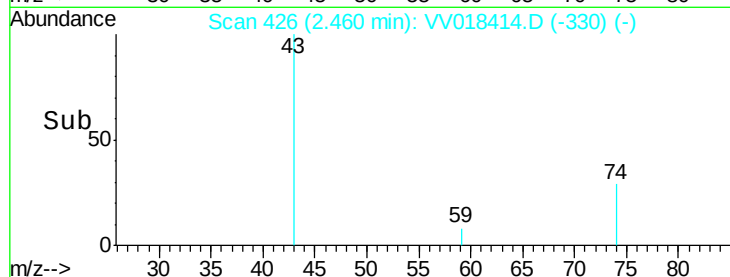


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



Time--> 2.40 2.45 2.50



#16

Methylene chloride

Concen: 2.141 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

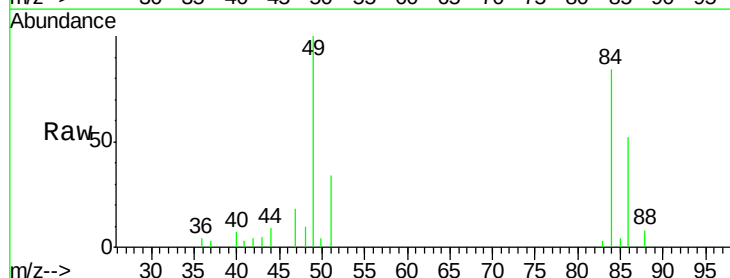
Tgt Ion: 84 Resp: 4914

Ion Ratio Lower Upper

84 100

86 61.3 46.0 85.4

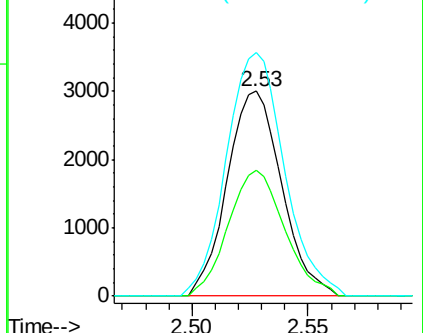
49 118.9 87.5 162.5



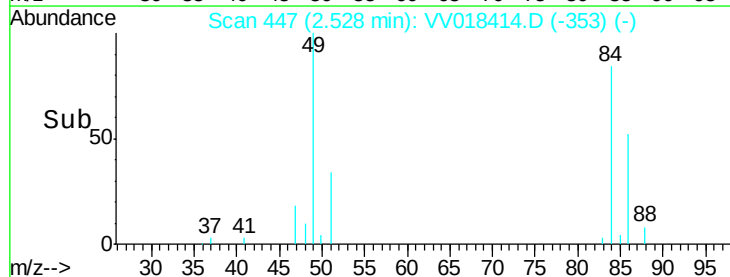
Abundance Ion 84.00 (83.70 to 84.70): VV0

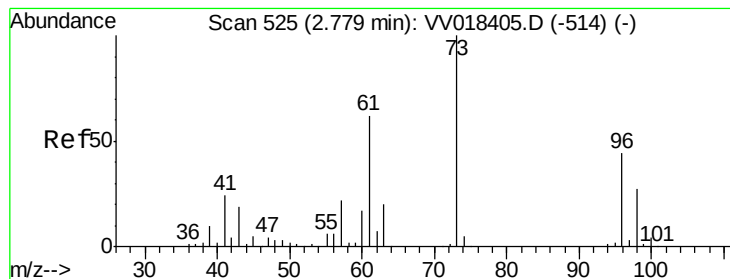
Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0



Time--> 2.50 2.55





#17

trans-1,2-Dichloroethene

Concen: 1.920 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

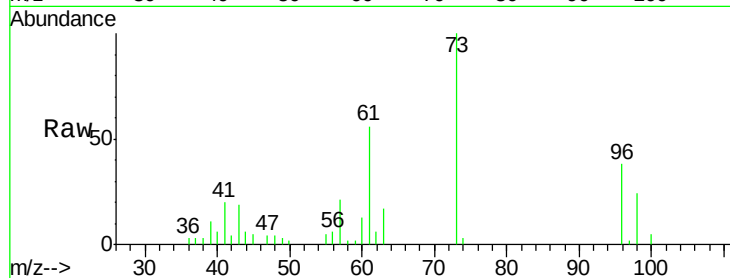
ClientSampleId :

MDL03

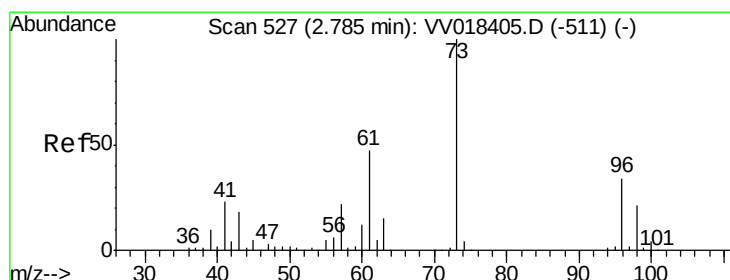
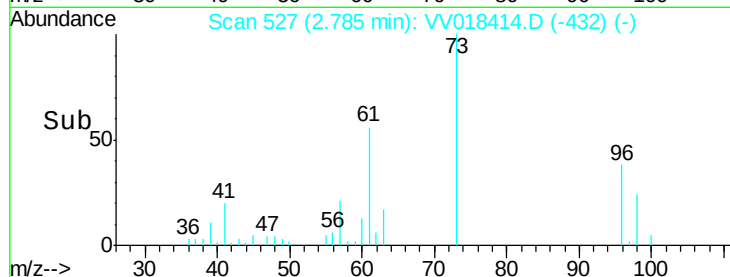
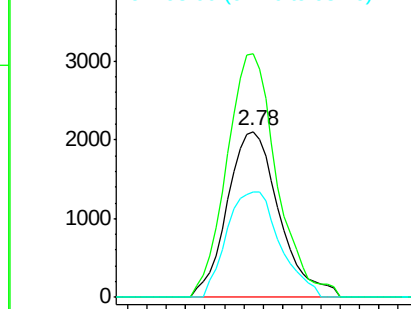
Tot Ion:	96	Resp:	3940
Ion	Ratio	Lower	Upper
96	100		
61	146.9	98.3	182.5
98	63.4	43.5	80.7

Manual Integrations
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Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 1.774 ug/L

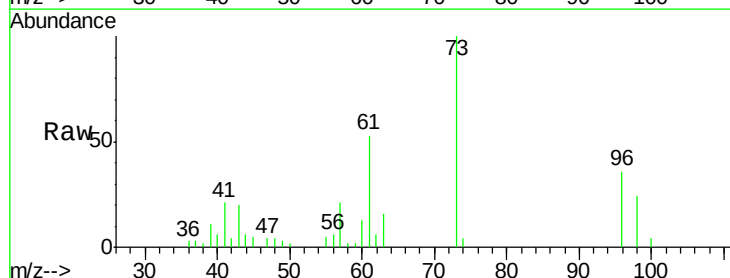
RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

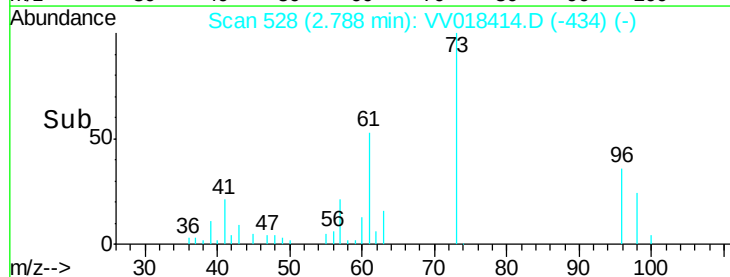
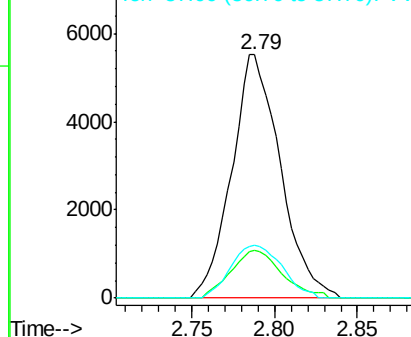
Lab File: VV018414.D

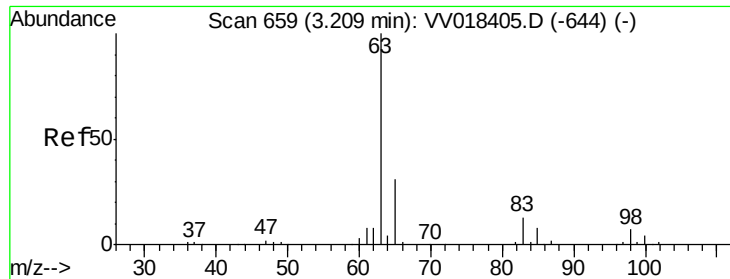
Acq: 23 Sep 2020 15:40

Tgt Ion:	73	Resp:	11314
Ion	Ratio	Lower	Upper
73	100		
43	20.3	15.4	23.2
57	22.9	17.8	26.6



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





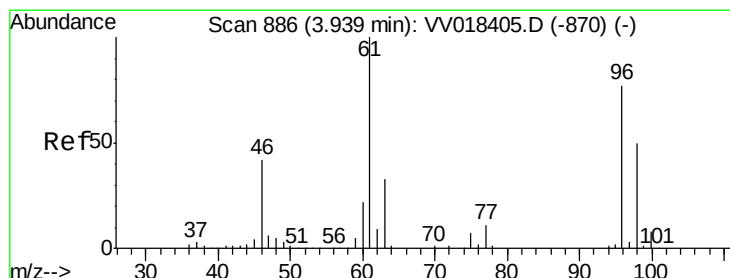
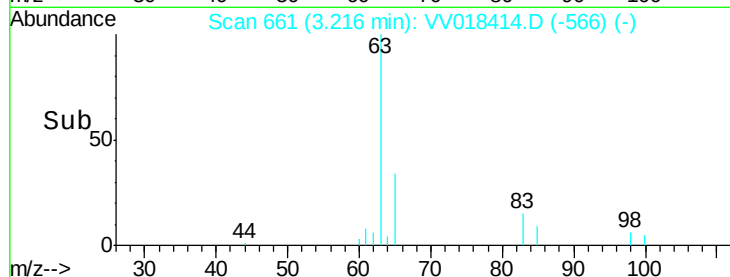
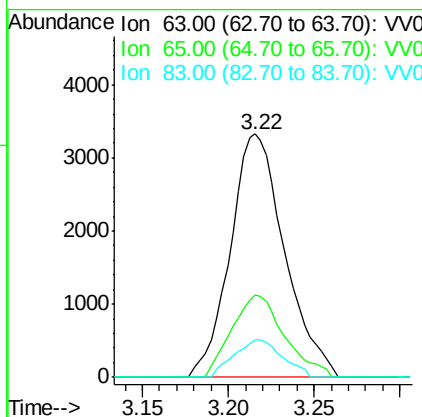
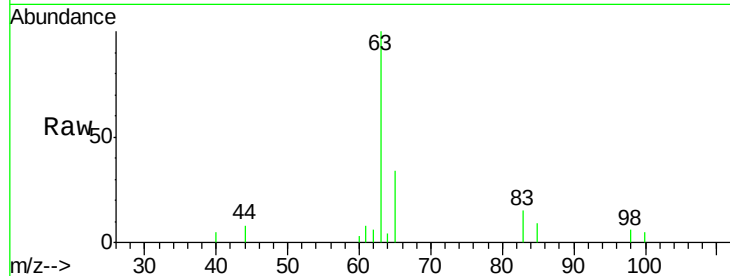
#19
 1,1-Dichloroethane
 Concen: 1.835 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion:	63	Resp:	7312
Ion	Ratio	Lower	Upper
63	100		
65	33.6	21.8	40.6
83	15.2	9.2	17.2

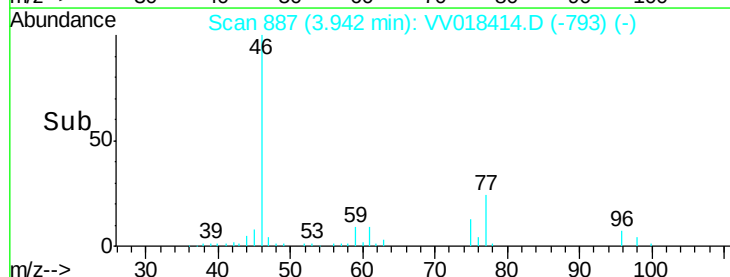
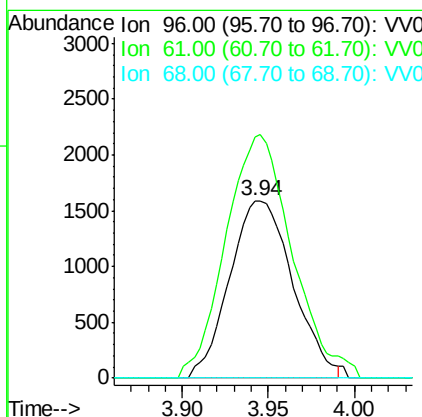
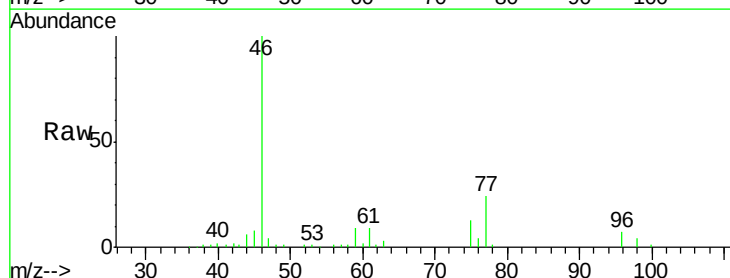
Manual Integrations
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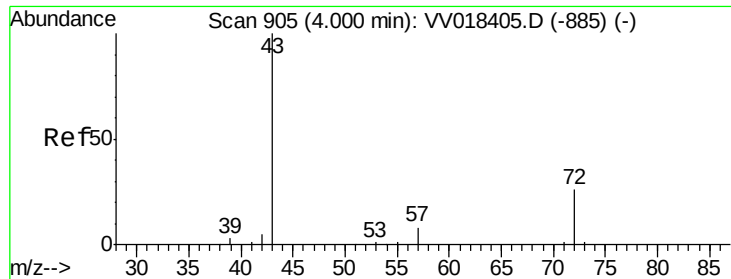
MMDadoda
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#20
 cis-1,2-Dichloroethene
 Concen: 1.835 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Tgt Ion:	96	Resp:	4060
Ion	Ratio	Lower	Upper
96	100		
61	135.8	90.4	167.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 2.617 ug/L m

RT: 4.04 min Scan# 916

Delta R.T. 0.04 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Tot Ion: 43 Resp: 4267

Ion Ratio Lower Upper

43 100

72 13.2 12.8 38.3

Instrument :

MSVOA_V

ClientSampled :

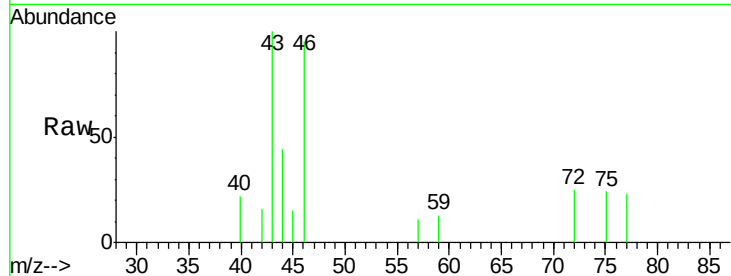
MDL03

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VV018414.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV018414.D (-885) (-)

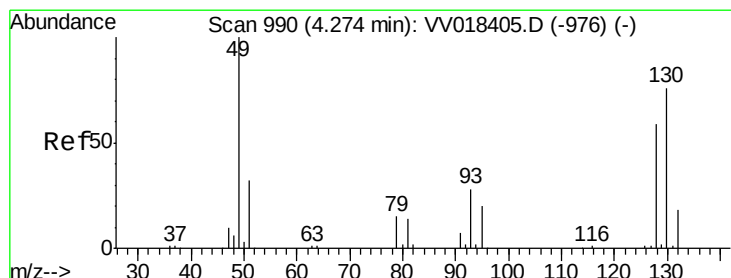
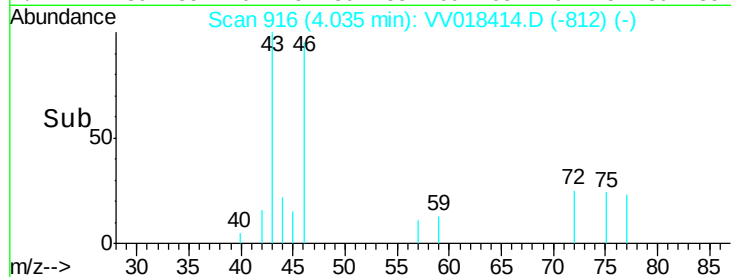
4.04

1000

500

0

Time-->



#23

Bromochloromethane

Concen: 1.838 ug/L

RT: 4.29 min Scan# 995

Delta R.T. 0.02 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Tgt Ion: 128 Resp: 2178

Ion Ratio Lower Upper

128 100

49 134.7 120.3 223.3

130 112.3 91.3 169.5

51 44.5 43.1 64.7

Abundance Ion 128.00 (127.70 to 128.70): VV018414.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV018414.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV018414.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV018414.D (-897) (-)

12000

10000

8000

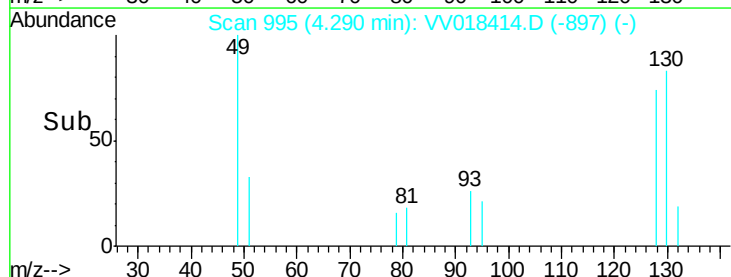
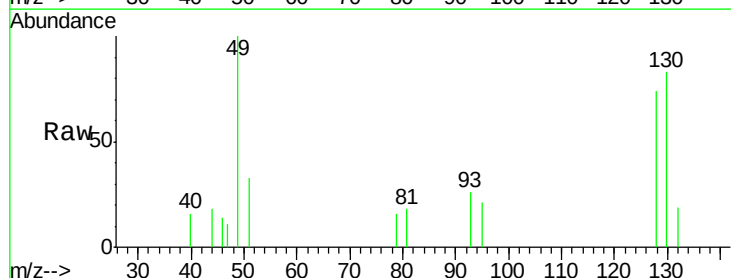
6000

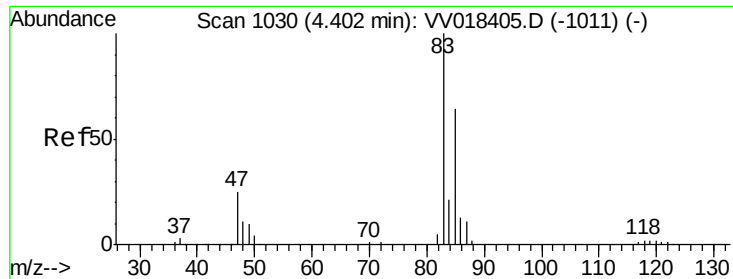
4000

2000

0

Time-->





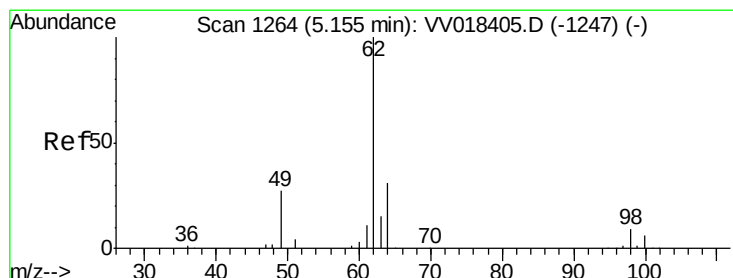
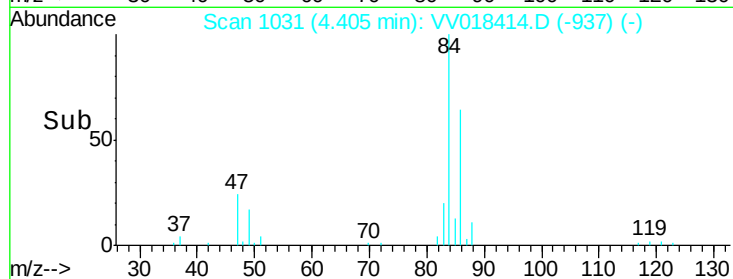
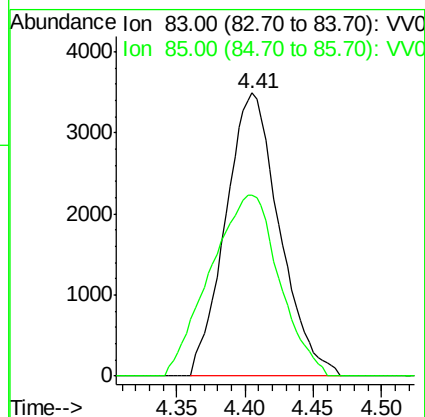
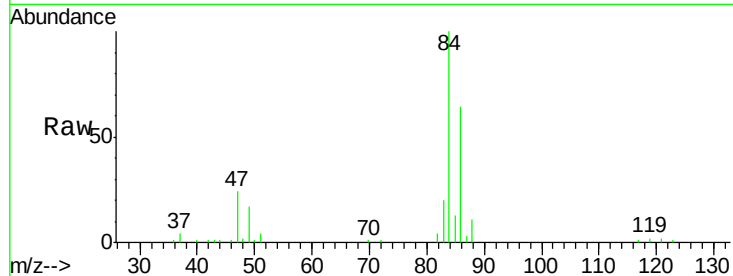
#25
Chloroform
Concen: 2.380 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion: 83 Resp: 9588
Ion Ratio Lower Upper
83 100
85 63.7 45.2 84.0

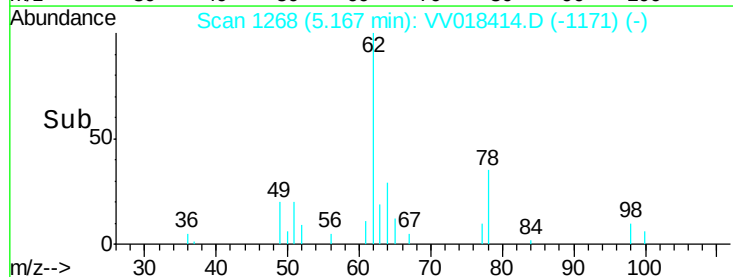
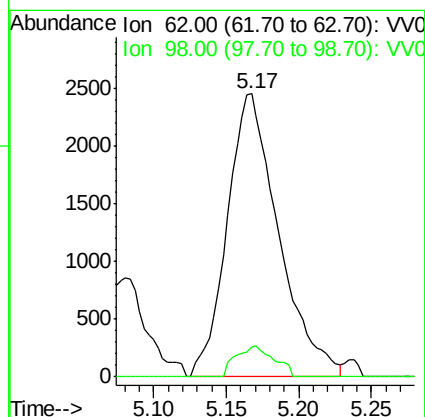
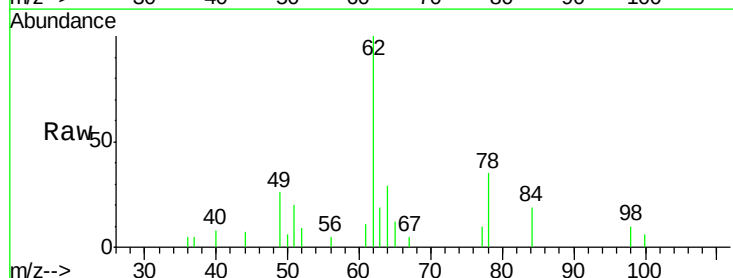
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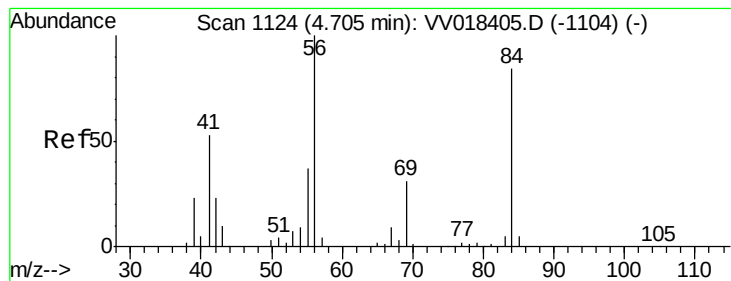
MMDadoda
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#27
1,2-Dichloroethane
Concen: 1.933 ug/L
RT: 5.17 min Scan# 1268
Delta R.T. 0.01 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

Tgt Ion: 62 Resp: 6035
Ion Ratio Lower Upper
62 100
98 10.5 7.4 11.2





#29

Cyclohexane

Concen: 1.758 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

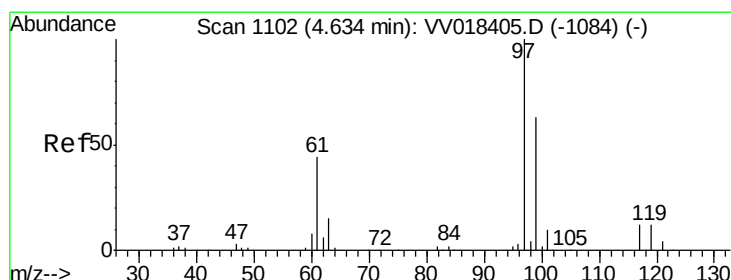
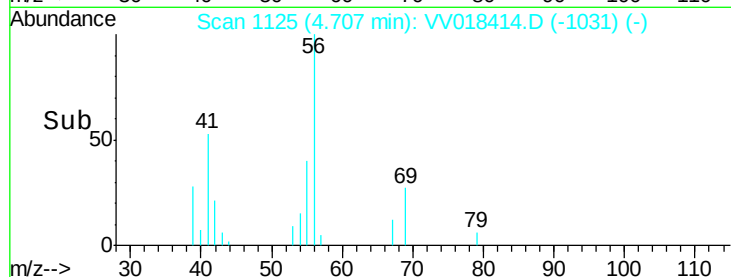
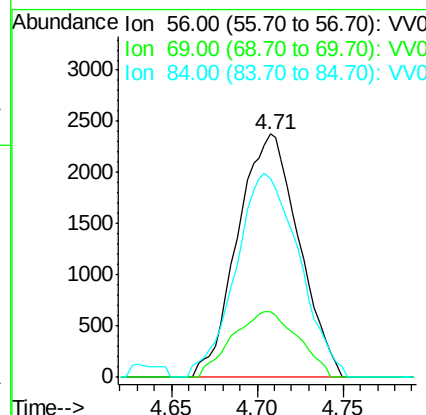
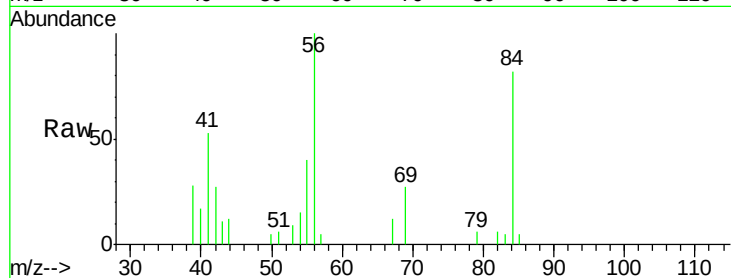
ClientSampled :

MDL03

Tot Ion:	56	Resp:	5871
Ion	Ratio	Lower	Upper
56	100		
69	29.1	24.4	36.6
84	86.8	68.6	102.8

Manual Integrations
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#30

1,1,1-Trichloroethane

Concen: 1.775 ug/L

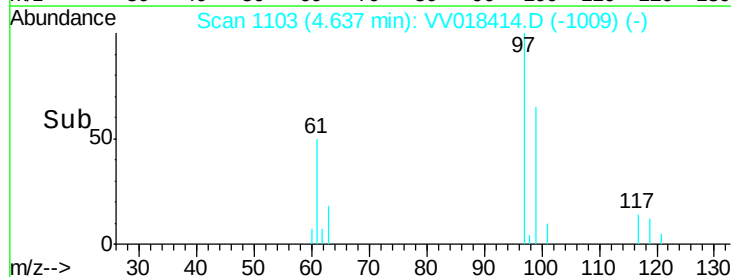
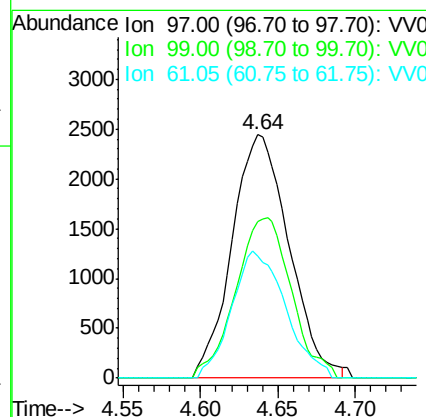
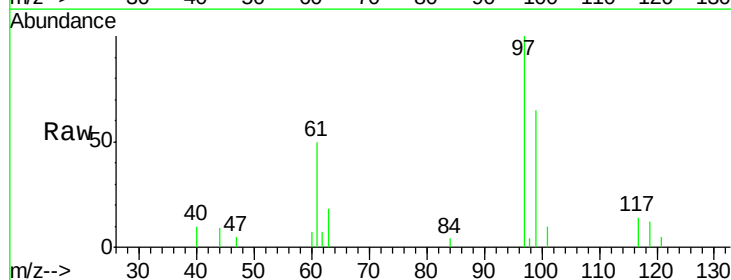
RT: 4.64 min Scan# 1103

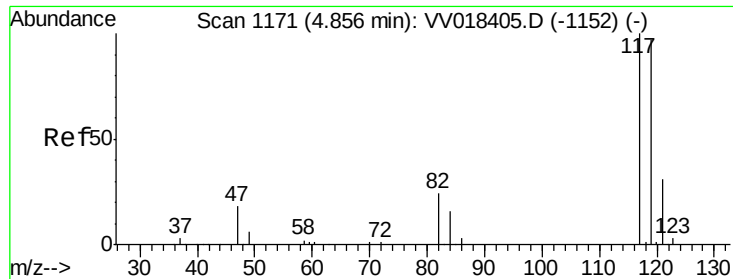
Delta R.T. 0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Tgt Ion:	97	Resp:	6265
Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.7	76.1
61	49.3	35.0	52.6





#31

Carbon tetrachloride

Concen: 1.673 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion:117 Resp: 5150

Ion Ratio Lower Upper

117 100

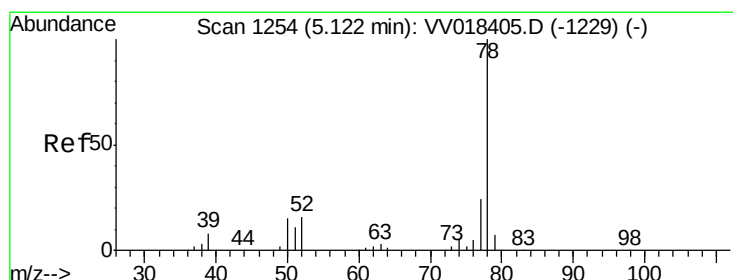
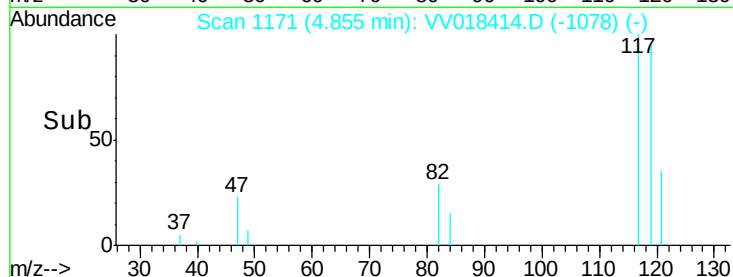
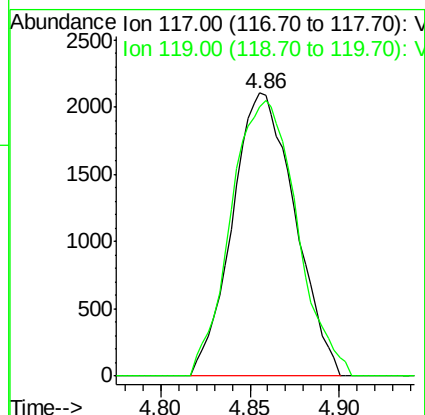
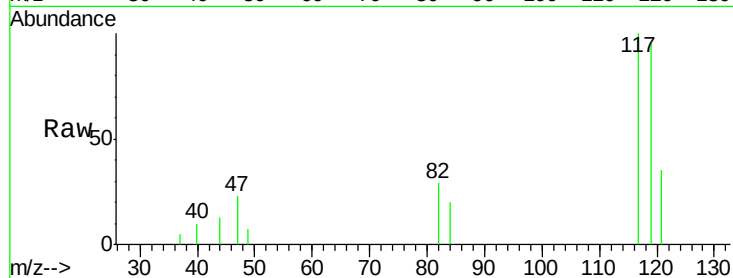
119 102.8 76.7 115.1

Manual Integrations

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#33

Benzene

Concen: 1.950 ug/L

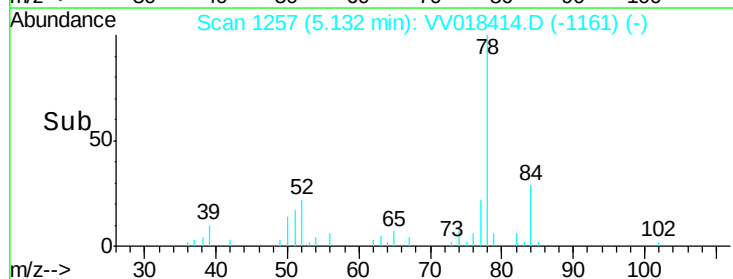
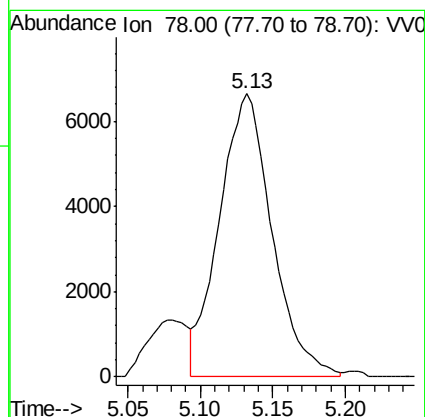
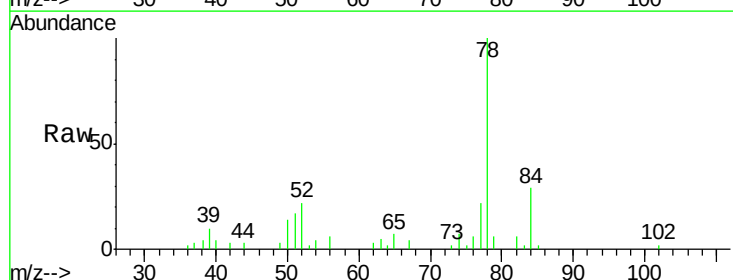
RT: 5.13 min Scan# 1257

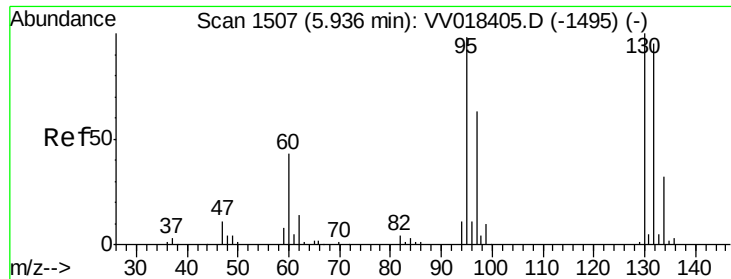
Delta R.T. 0.01 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Tgt Ion: 78 Resp: 16766





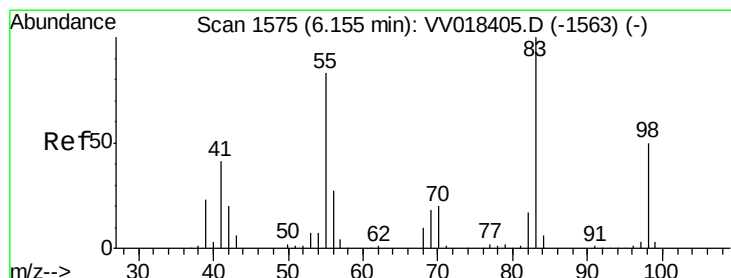
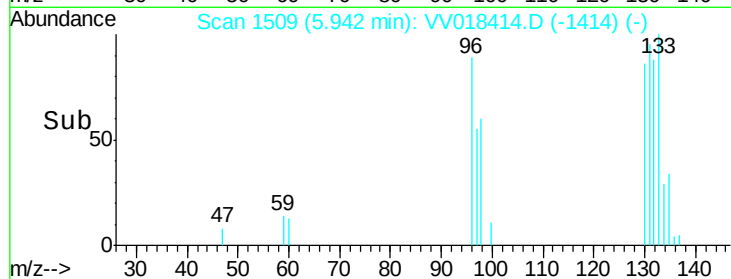
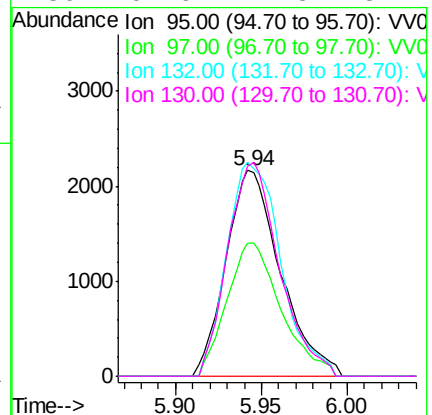
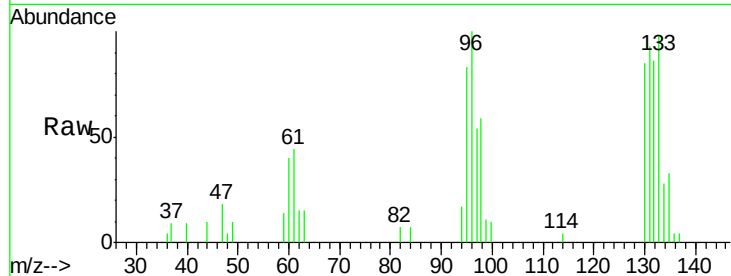
#34
 Trichloroethene
 Concen: 2.028 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.7	83.1
132	103.7	67.8	126.0
130	101.9	71.5	132.7

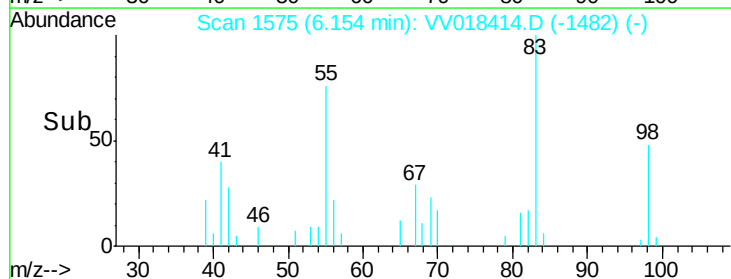
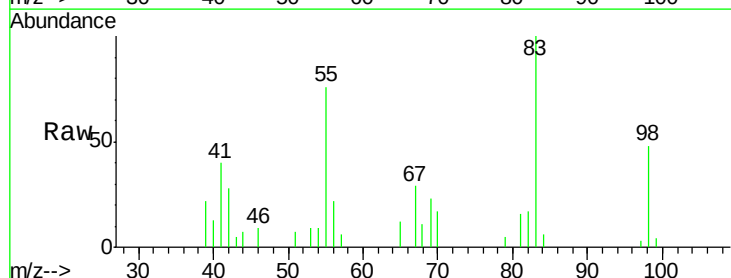
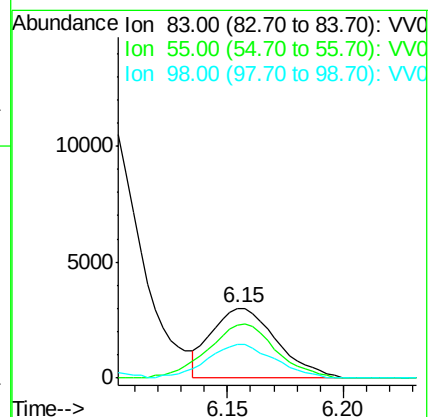
Manual Integrations
 APPROVED

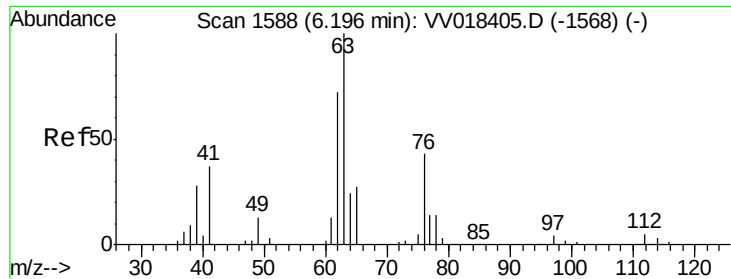
MMDadoda
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#35
 Methylcyclohexane
 Concen: 1.716 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.2	63.6	95.4
98	49.9	38.6	58.0





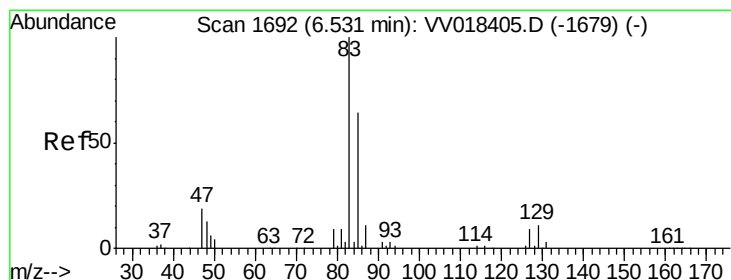
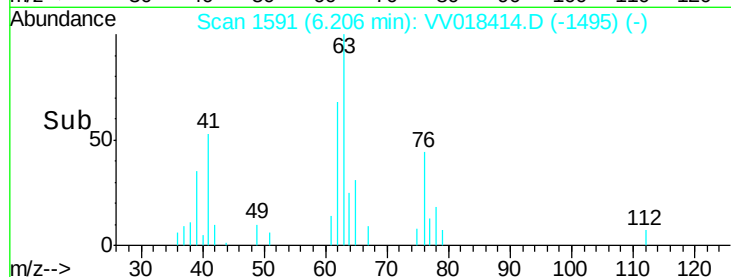
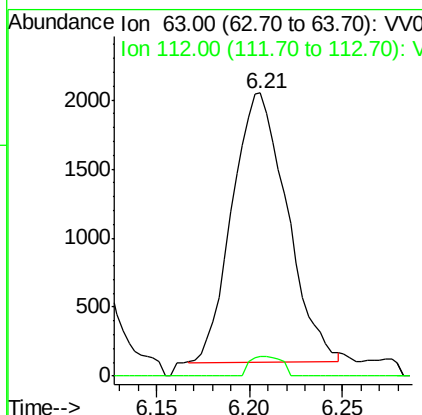
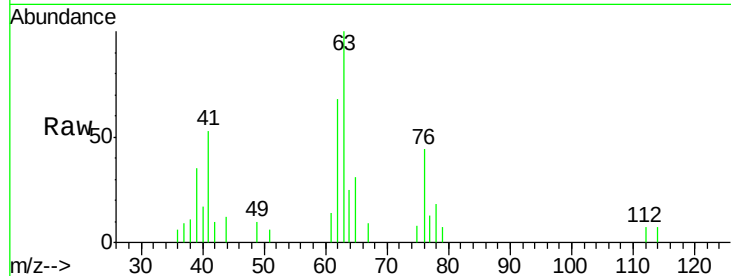
#37
 1,2-Dichloropropane
 Concen: 1.759 ug/L
 RT: 6.21 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion: 63 Resp: 3999
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.7 5.5

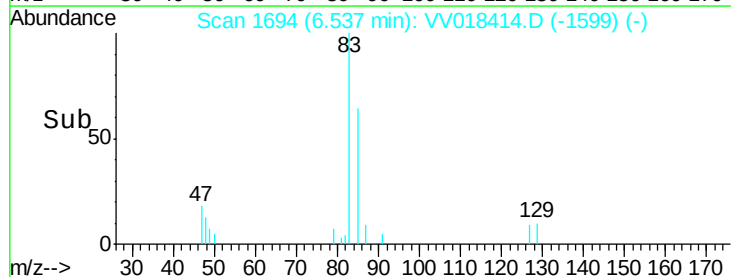
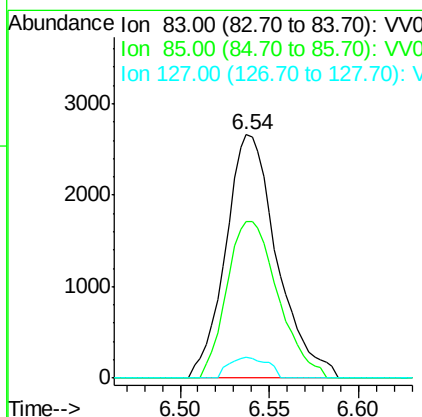
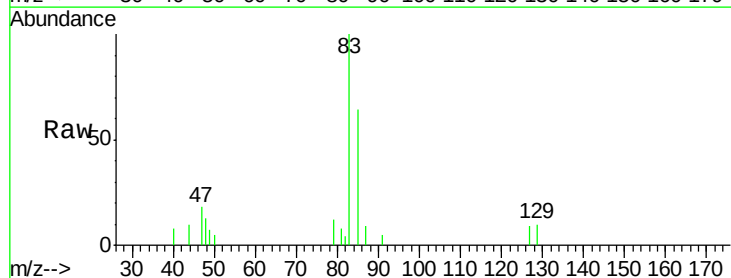
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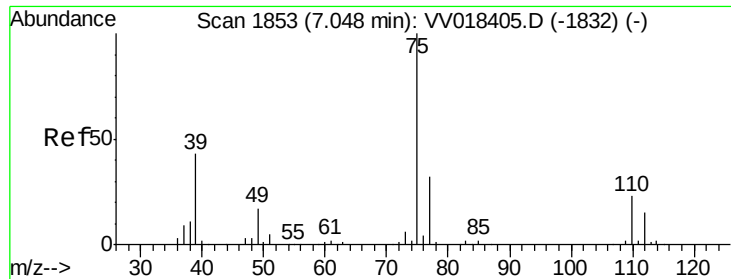
MMDadoda
 10/5/2020 1:22:52 PM



#38
 Bromodichloromethane
 Concen: 1.797 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Tgt Ion: 83 Resp: 5346
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.9
 127 8.8 6.8 10.2





#39

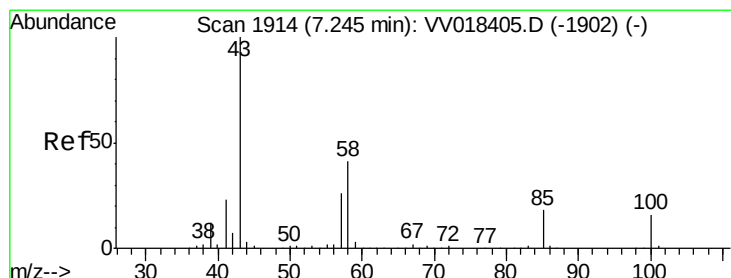
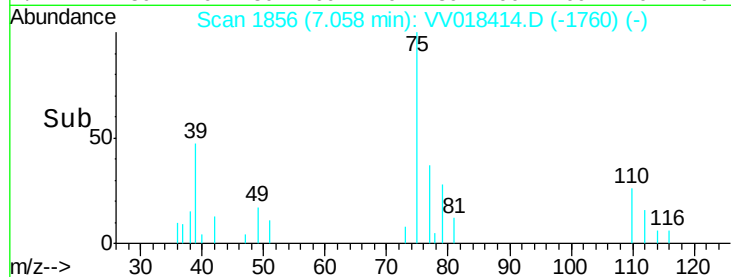
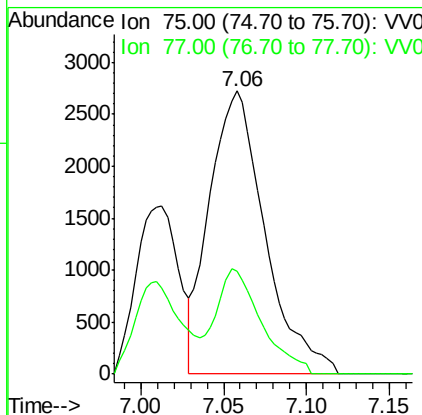
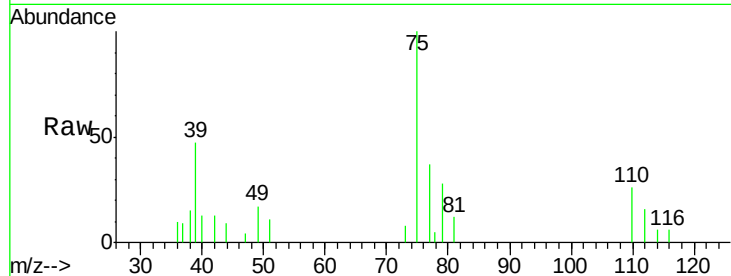
cis-1,3-Dichloropropene
Concen: 1.864 ug/L
RT: 7.06 min Scan# 1856
Delta R.T. 0.01 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
75	100		
77	36.5	22.7	42.1

Manual Integrations
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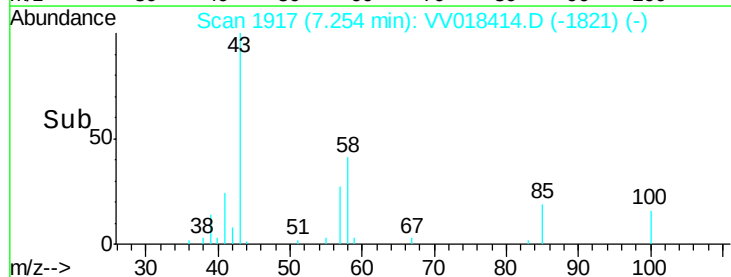
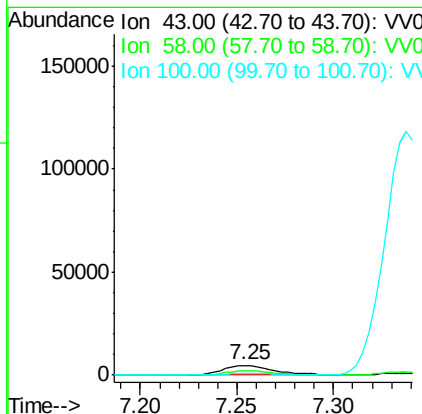
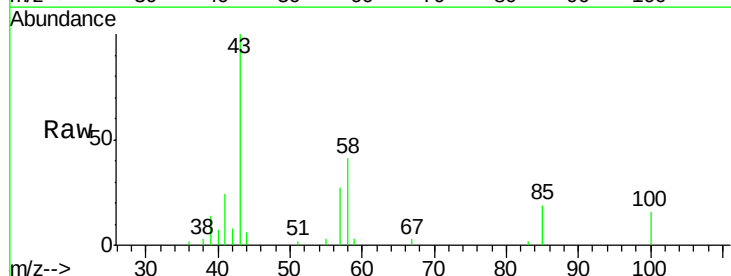
MMDadoda
10/5/2020 1:22:52 PM

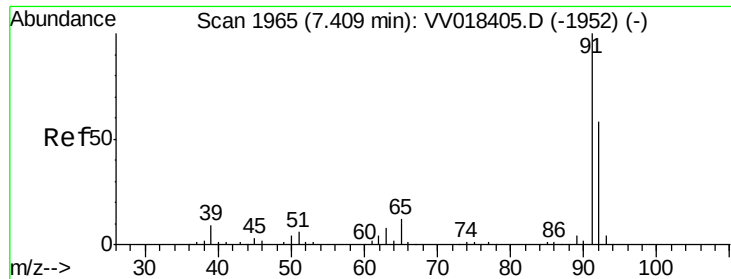


#40

4-Methyl-2-pentanone
Concen: 3.224 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.7	32.4	48.6
100	14.7	13.0	19.4





#42

Toluene

Concen: 1.836 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 91 Resp: 16554

Ion Ratio Lower Upper

91 100

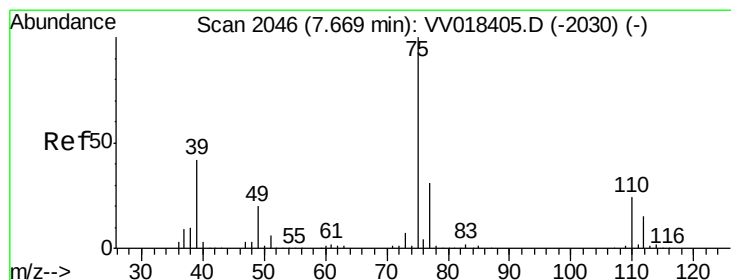
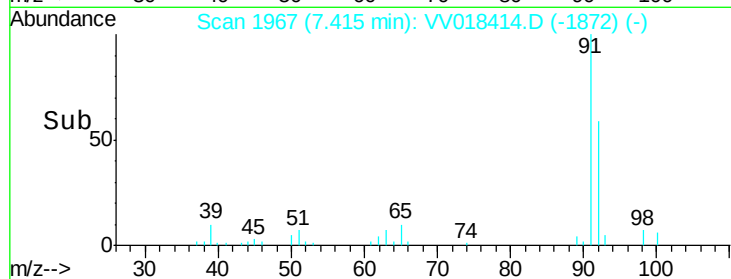
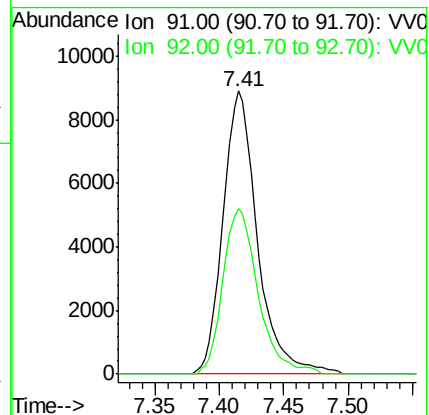
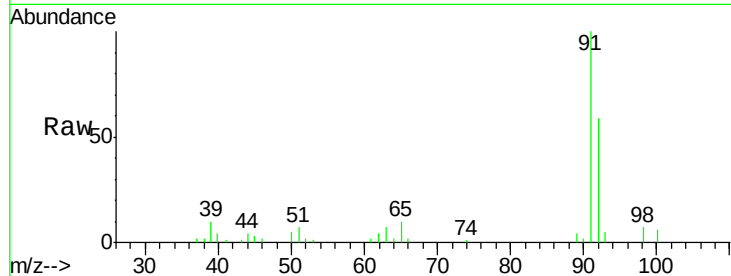
92 58.7 40.7 75.7

Manual Integrations

APPROVED

MMDadoda

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#44

trans-1,3-Dichloropropene

Concen: 1.751 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV018414.D

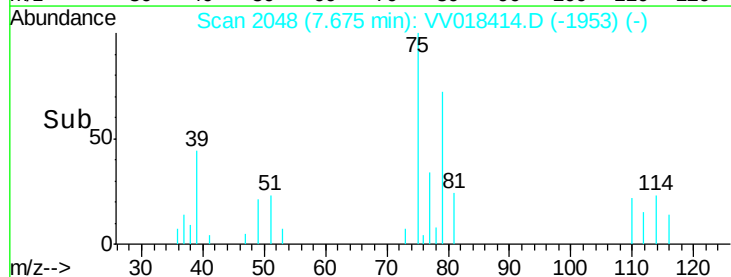
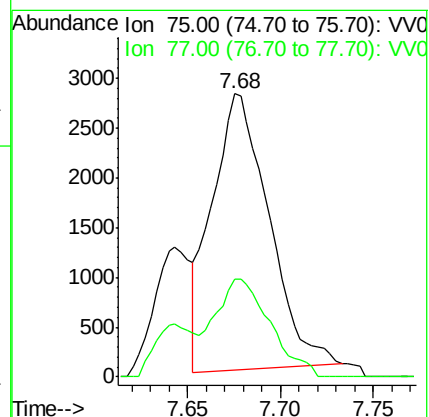
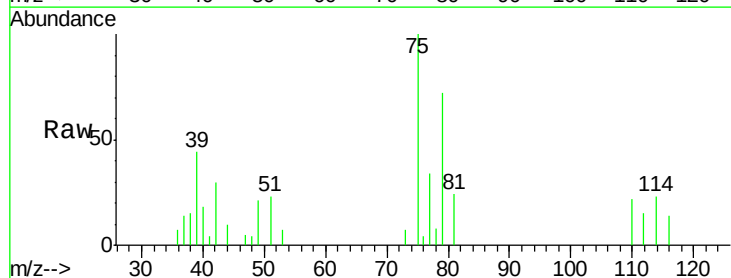
Acq: 23 Sep 2020 15:40

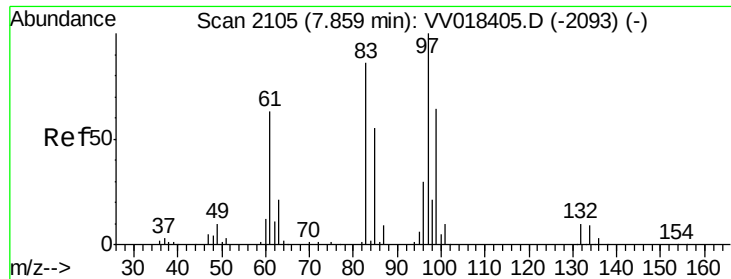
Tgt Ion: 75 Resp: 5919

Ion Ratio Lower Upper

75 100

77 34.5 21.8 40.4





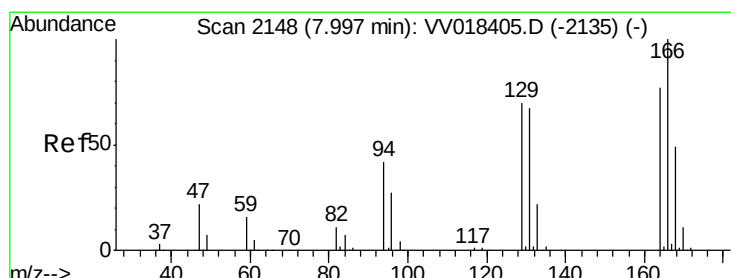
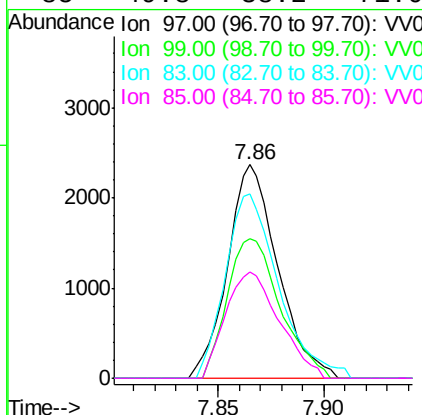
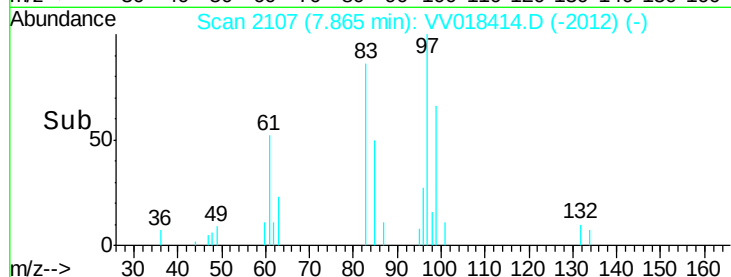
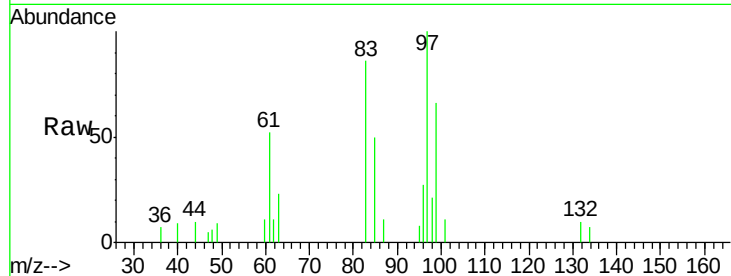
#45
 1,1,2-Trichloroethane
 Concen: 1.833 ug/L
 RT: 7.86 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion:	97	Resp:	3923
Ion	Ratio	Lower	Upper
97	100		
99	65.6	44.6	82.8
83	86.1	60.5	112.5
85	49.8	38.2	71.0

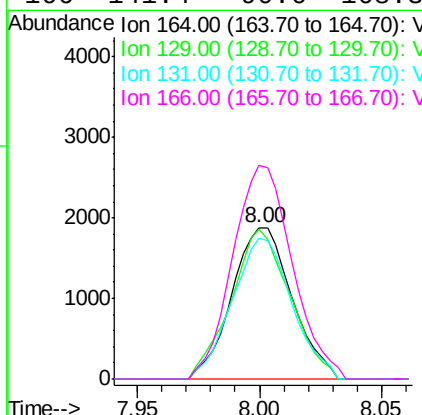
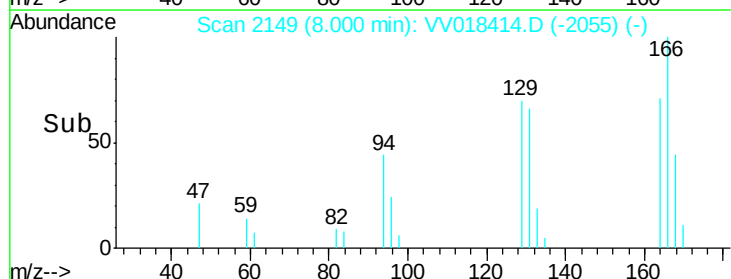
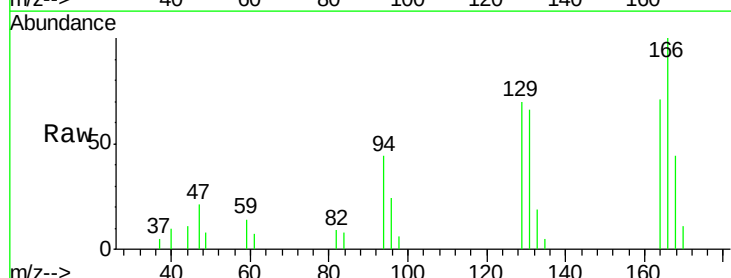
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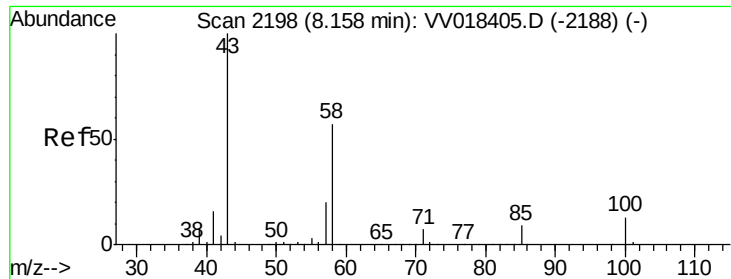
MMDadoda
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#46
 Tetrachloroethene
 Concen: 1.725 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Tgt Ion:	164	Resp:	3193
Ion	Ratio	Lower	Upper
164	100		
129	99.0	63.7	118.3
131	93.6	60.6	112.6
166	141.4	90.6	168.3





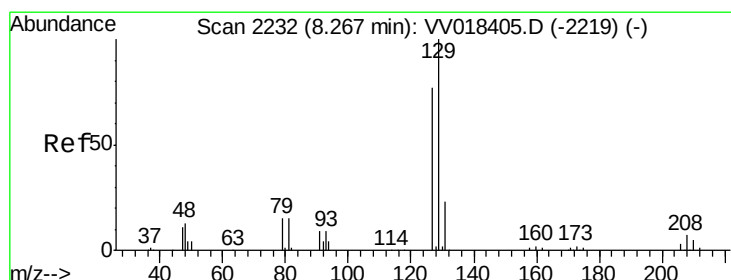
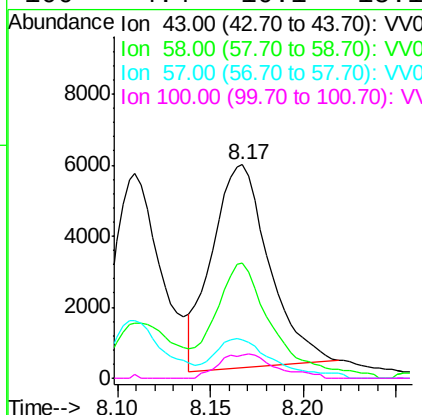
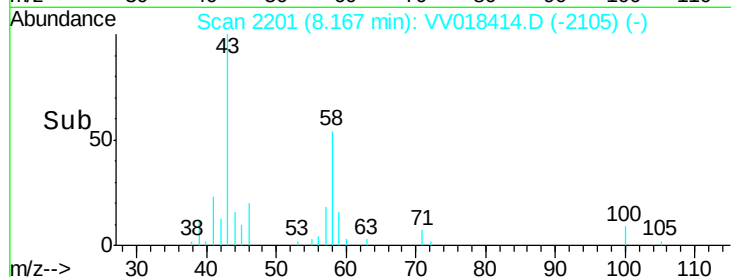
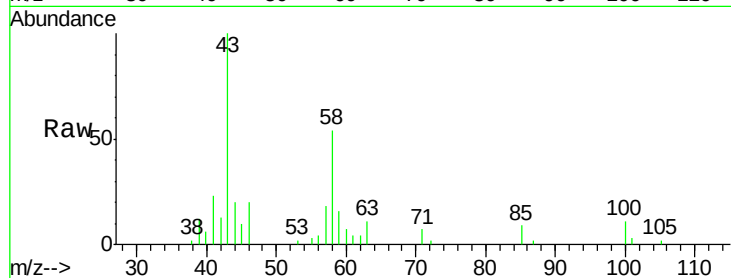
#48
2-Hexanone
Concen: 5.352 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.6	45.4	68.0
57	20.7	16.0	24.0
100	4.4	10.1	15.1

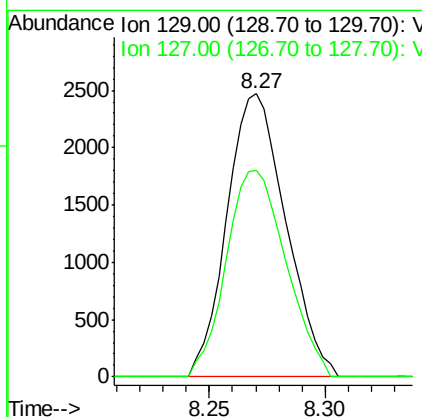
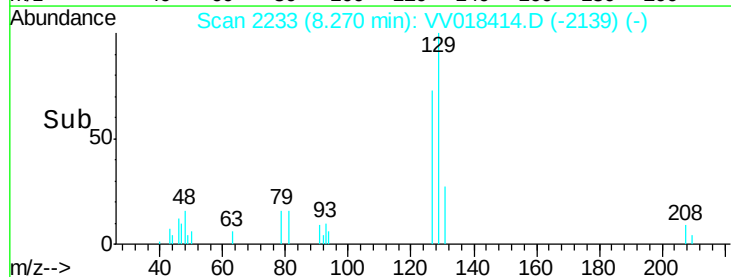
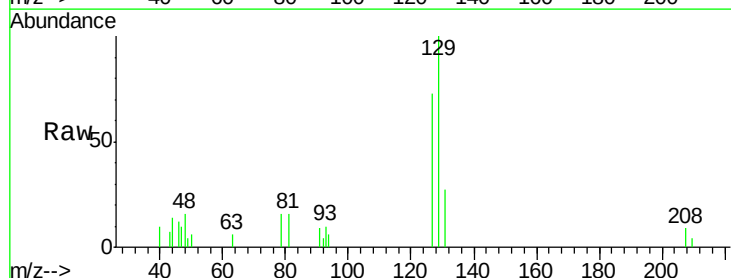
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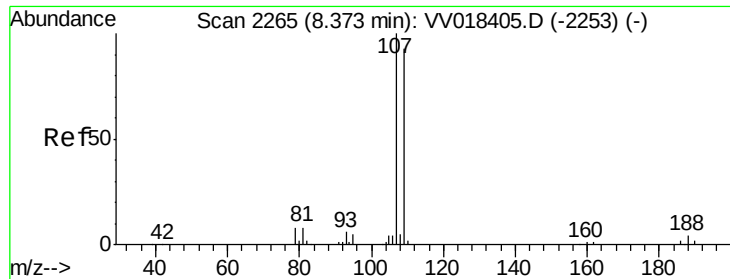
MMDadoda
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#49
Dibromochloromethane
Concen: 1.826 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.0	53.5	99.5





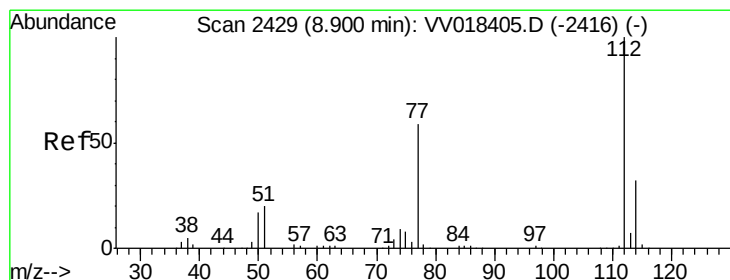
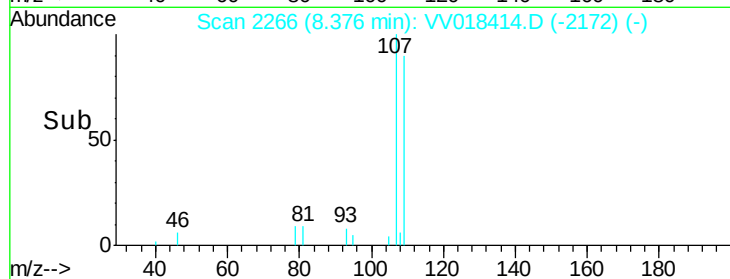
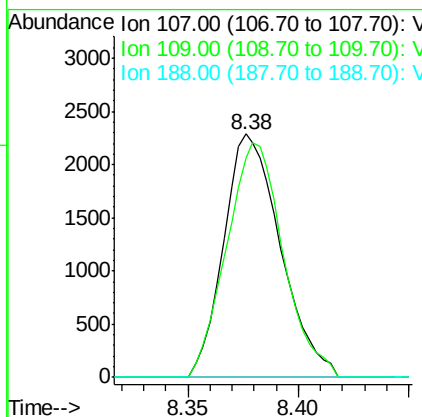
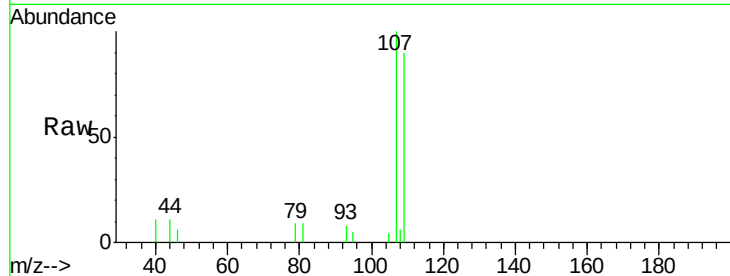
#50
 1,2-Dibromoethane
 Concen: 1.828 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.1	64.9	120.5
188	0.0	3.4	5.0#

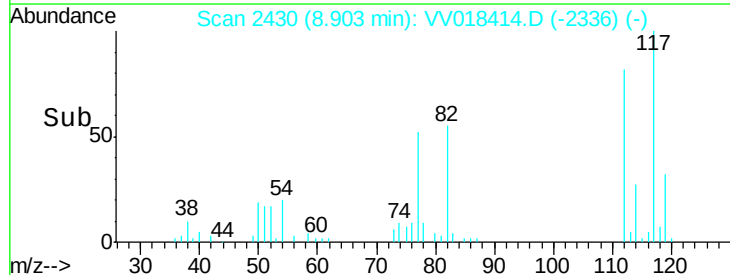
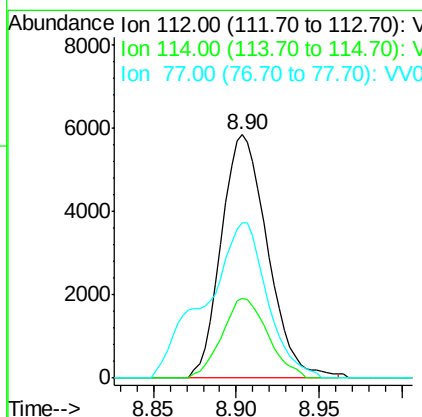
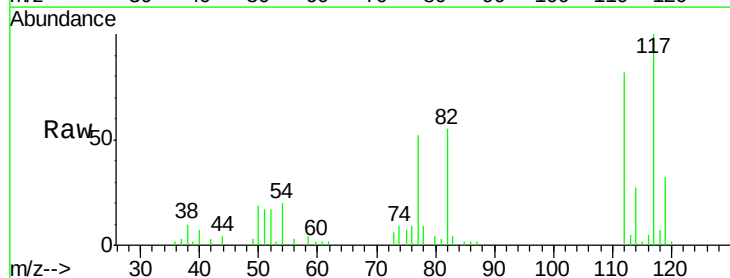
Manual Integrations
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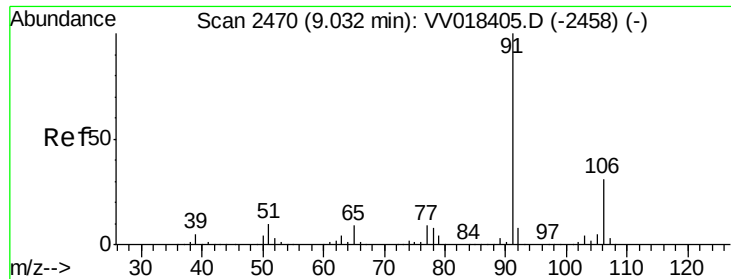
MMDadoda
 10/5/2020 1:22:52 PM



#51
 Chlorobenzene
 Concen: 1.881 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.2	41.2
77	64.0	47.4	71.2





#52

Ethylbenzene

Concen: 1.716 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Tot Ion: 91 Resp: 17027

Ion Ratio Lower Upper

91 100

106 29.3 21.4 39.8

Instrument :

MSVOA_V

ClientSampleId :

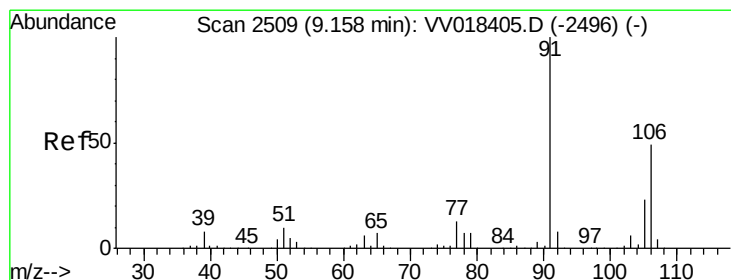
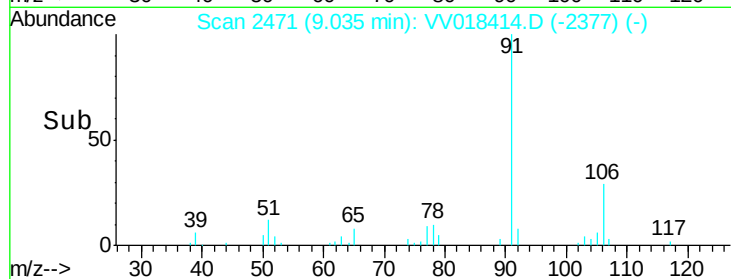
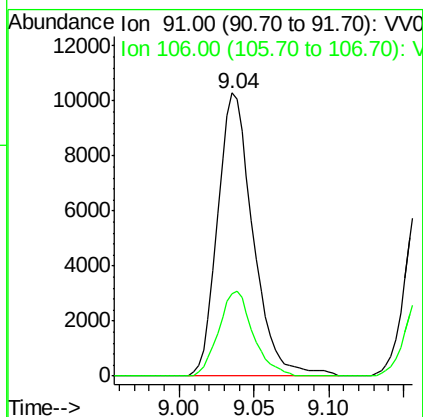
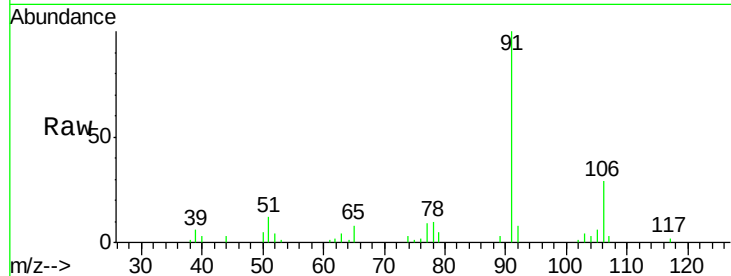
MDL03

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#53

m,p-Xylene

Concen: 1.602 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV018414.D

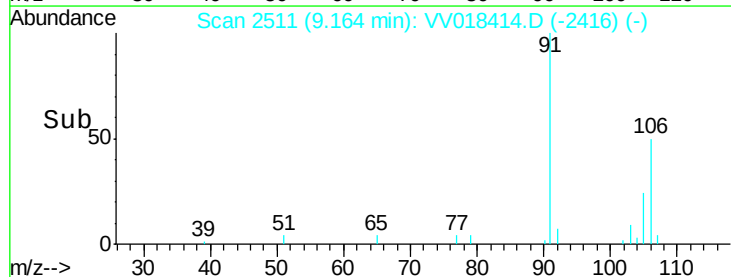
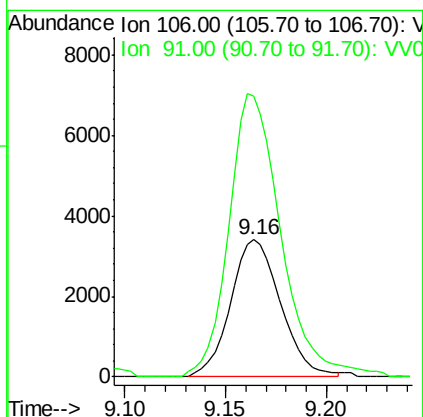
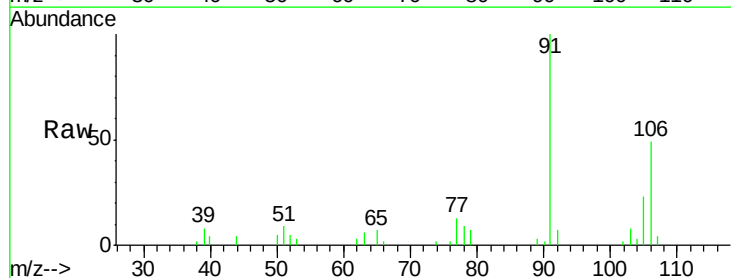
Acq: 23 Sep 2020 15:40

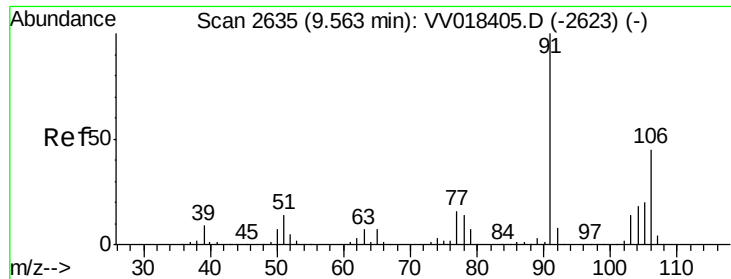
Tgt Ion: 106 Resp: 5937

Ion Ratio Lower Upper

106 100

91 204.6 143.4 266.4





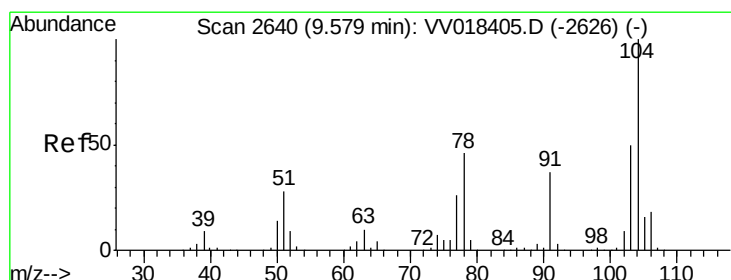
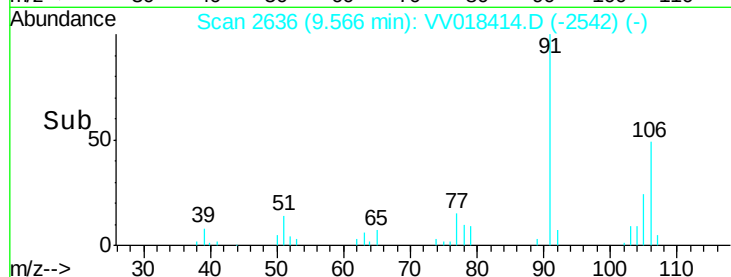
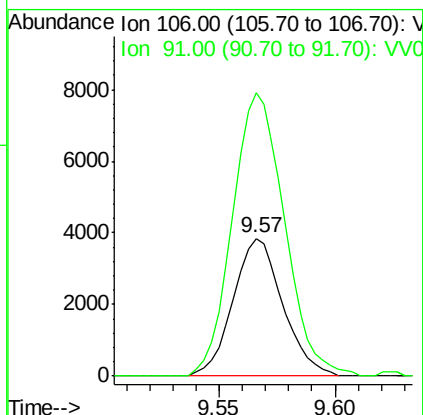
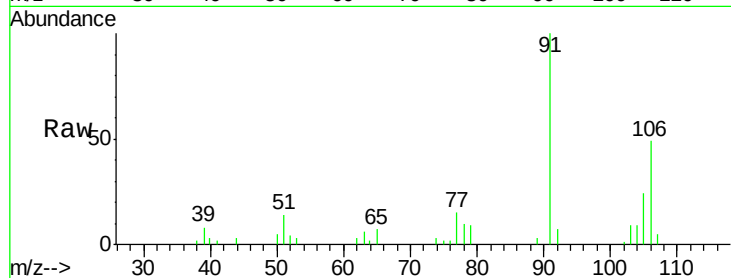
#54
o-Xylene
Concen: 1.602 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion:106 Resp: 5719
Ion Ratio Lower Upper
106 100
91 205.5 154.7 287.3

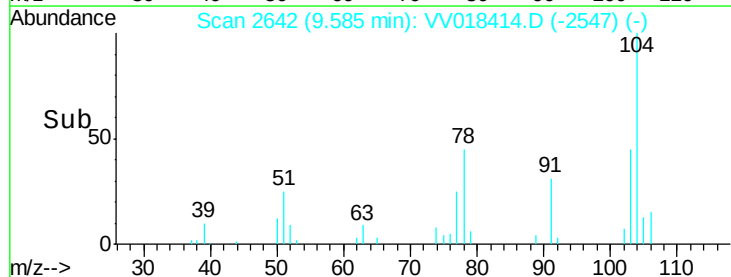
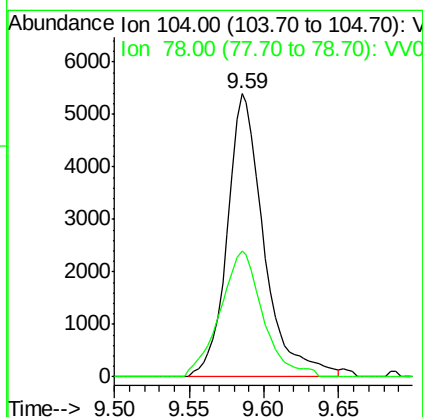
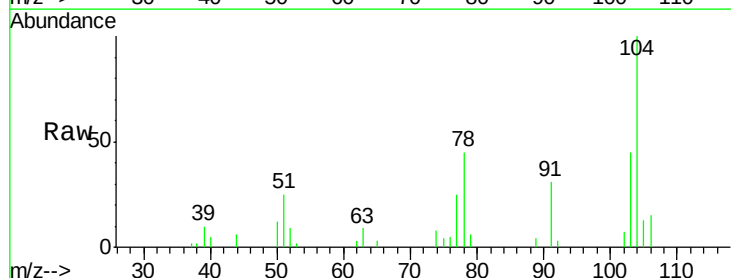
Manual Integrations
APPROVED

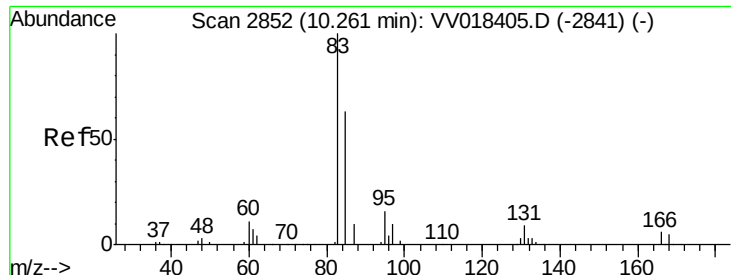
MMDadoda
10/5/2020 1:22:52 PM



#55
Styrene
Concen: 1.475 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

Tgt Ion:104 Resp: 9212
Ion Ratio Lower Upper
104 100
78 44.6 32.1 59.5





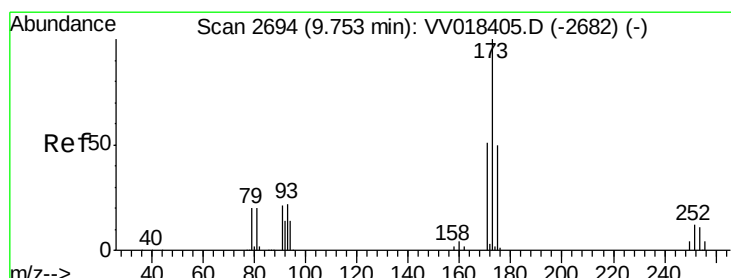
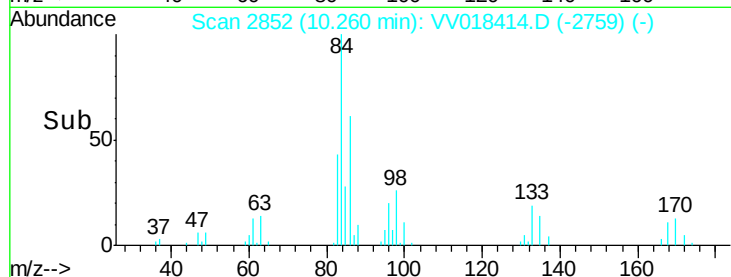
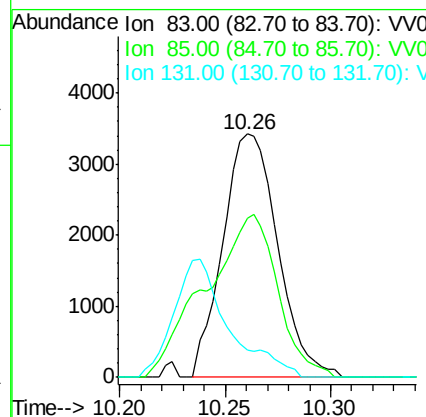
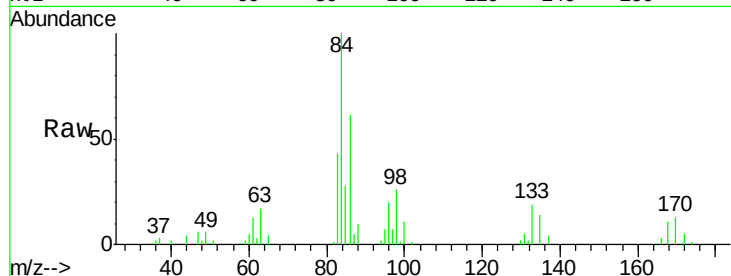
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.986 ug/L
 RT: 10.26 min Scan# 2852
 Delta R.T. -0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion	83	Resp	6199
Ion Ratio	100	Lower	Upper
83	100		
85	65.3	44.4	82.5
131	11.2	7.8	11.6

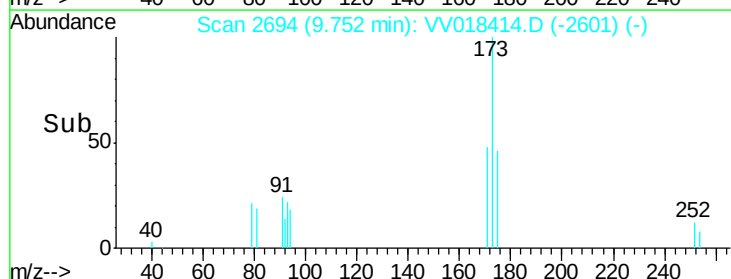
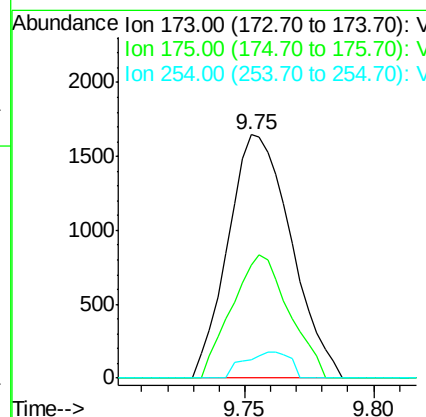
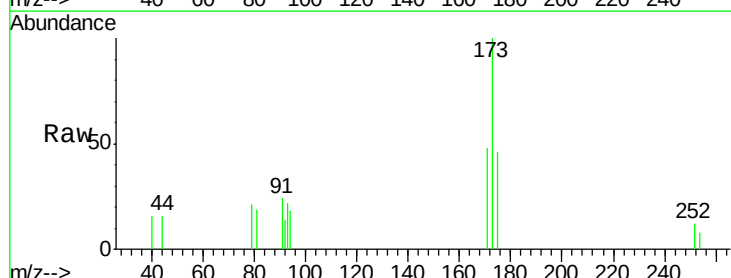
Manual Integrations
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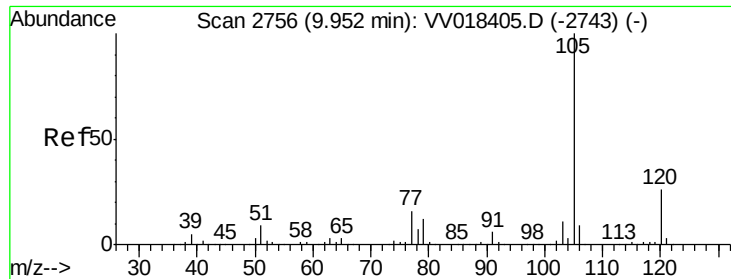
MMDadoda
 10/5/2020 1:22:52 PM



#59
 Bromoform
 Concen: 1.710 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Tgt Ion	173	Resp	2806
Ion Ratio	100	Lower	Upper
173	100		
175	45.9	39.4	59.2
254	6.3	8.7	13.1#





#60

Isopropylbenzene

Concen: 1.620 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

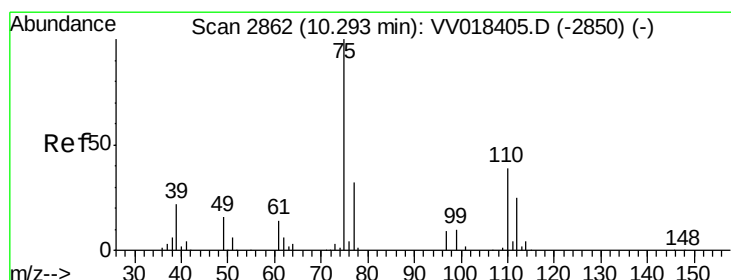
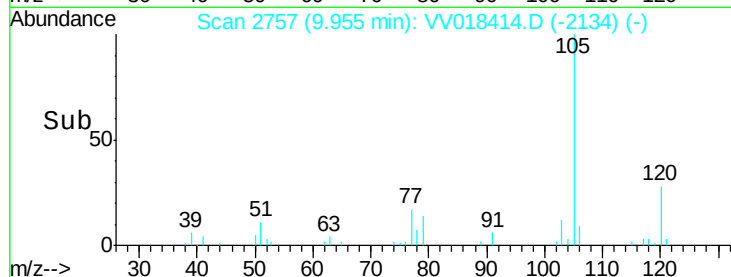
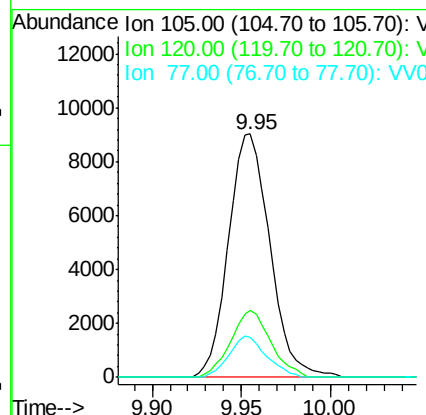
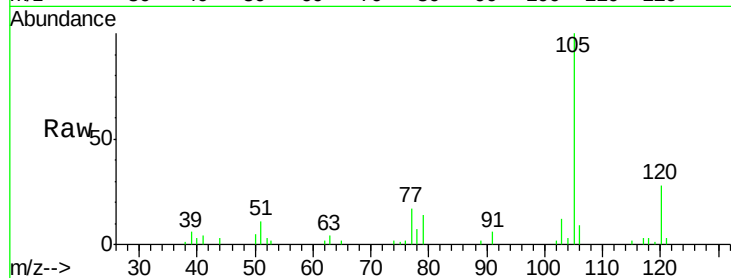
ClientSampleId :

MDL03

Tot Ion:	105	Resp:	14658
Ion Ratio	Lower	Upper	
105	100		
120	26.5	20.8	31.2
77	15.3	12.8	19.2

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#61

1,2,3-Trichloropropane

Concen: 2.109 ug/L

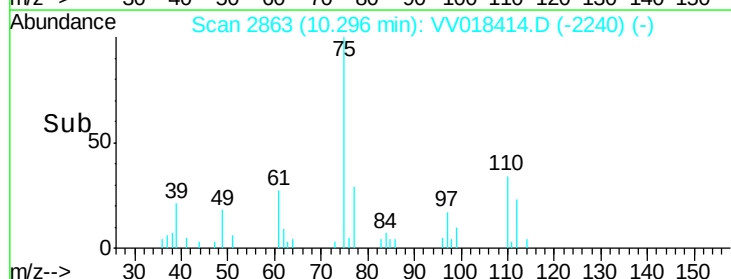
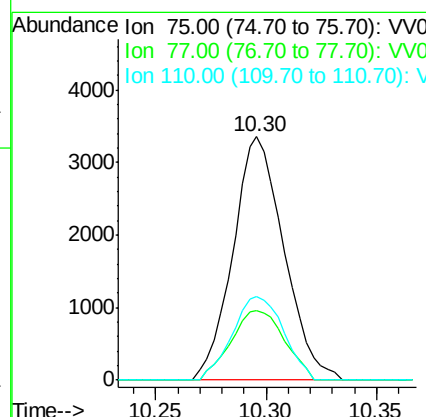
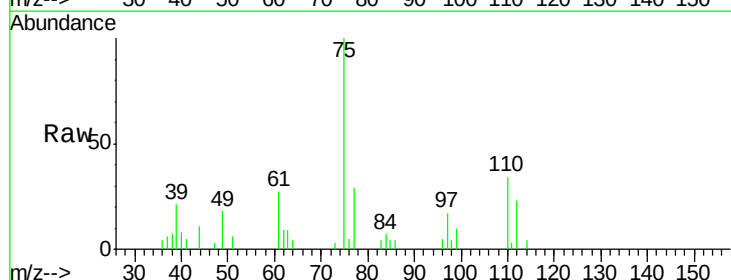
RT: 10.30 min Scan# 2863

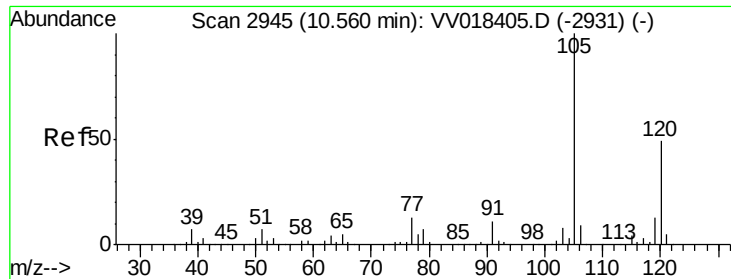
Delta R.T. 0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Tgt Ion:	75	Resp:	5372
Ion Ratio	Lower	Upper	
75	100		
77	29.9	25.8	38.8
110	34.5	31.5	47.3





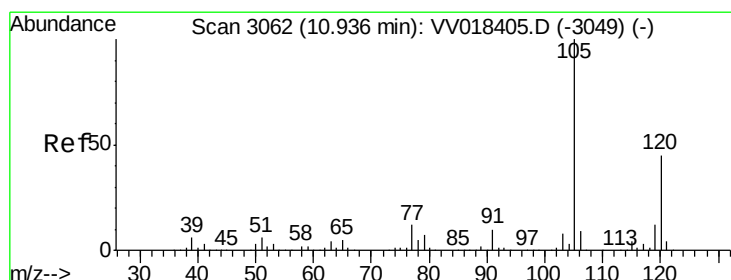
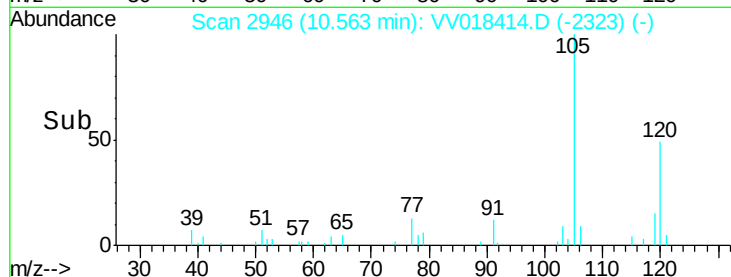
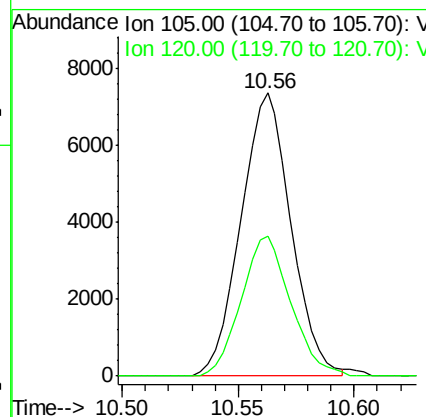
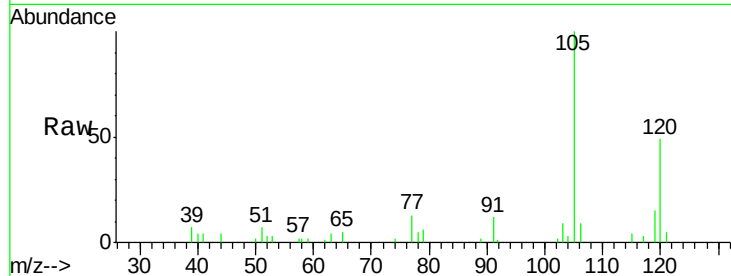
#62
 1,3,5-Trimethylbenzene
 Concen: 1.510 ug/L
 RT: 10.56 min Scan# 2946
 Delta R.T. 0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion:105 Resp: 11061
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.1 58.7

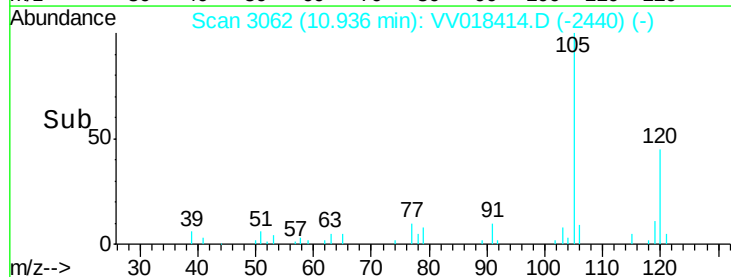
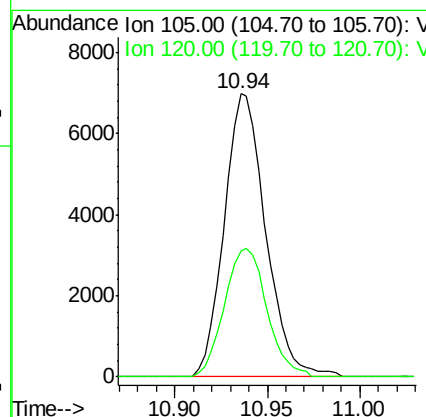
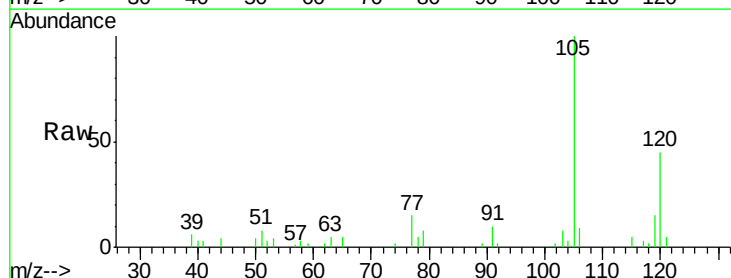
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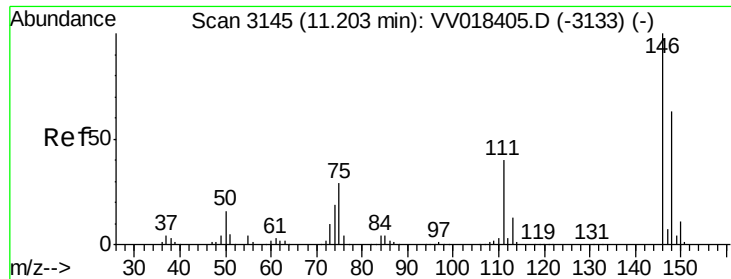
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#63
 1,2,4-Trimethylbenzene
 Concen: 1.442 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Tgt Ion:105 Resp: 10842
 Ion Ratio Lower Upper
 105 100
 120 46.4 36.2 54.2





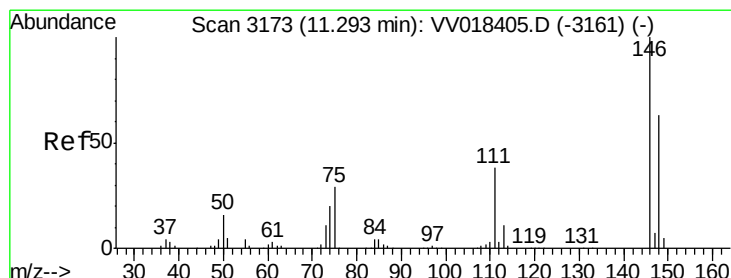
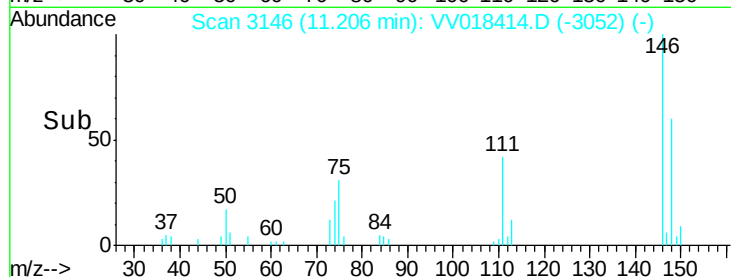
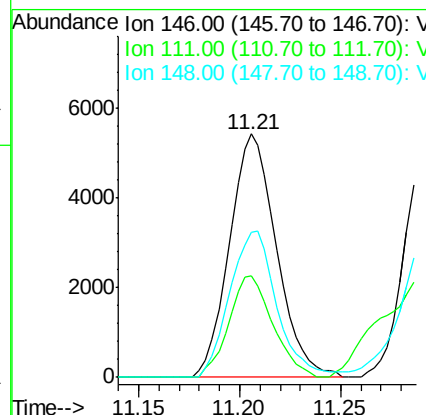
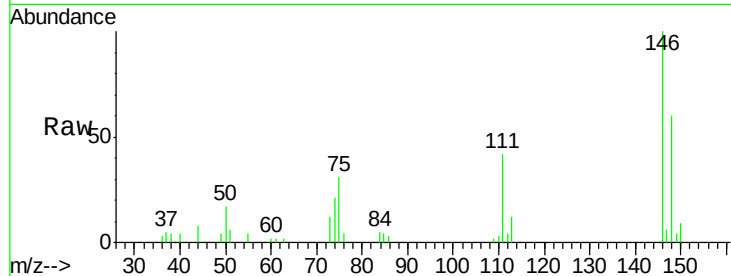
#64
 1,3-Dichlorobenzene
 Concen: 1.919 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	27.6	51.4
148	59.6	44.2	82.2

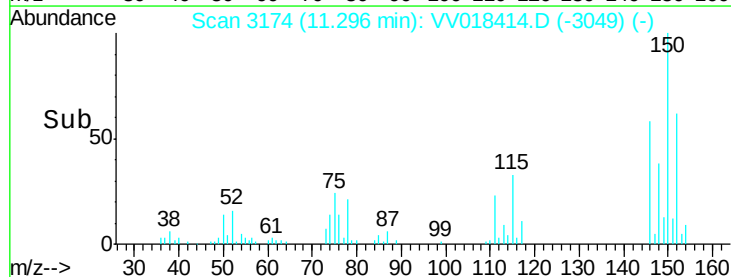
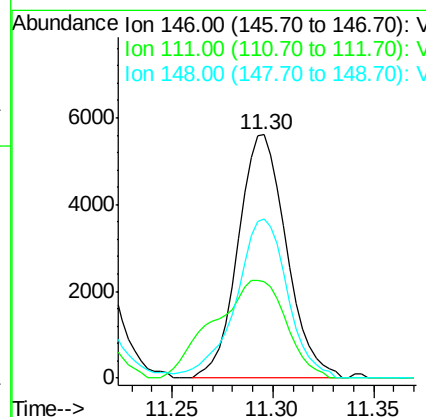
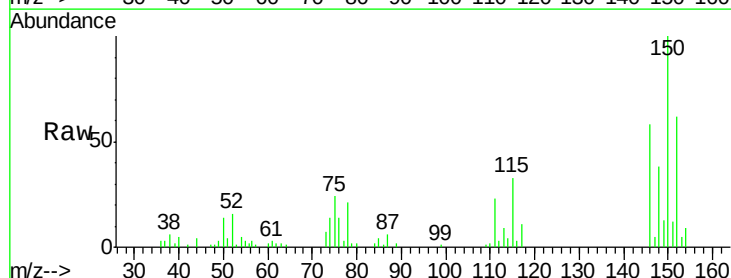
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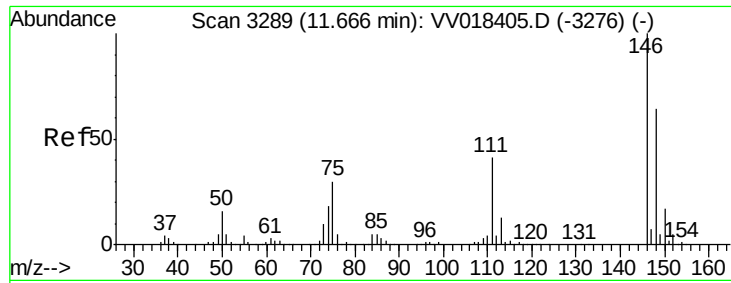
MMDadoda
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#65
 1,4-Dichlorobenzene
 Concen: 1.957 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	26.6	49.4
148	65.2	44.3	82.3





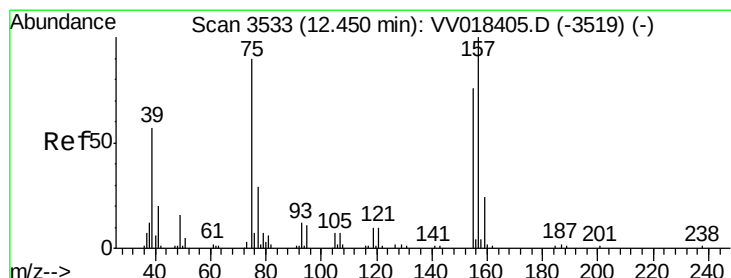
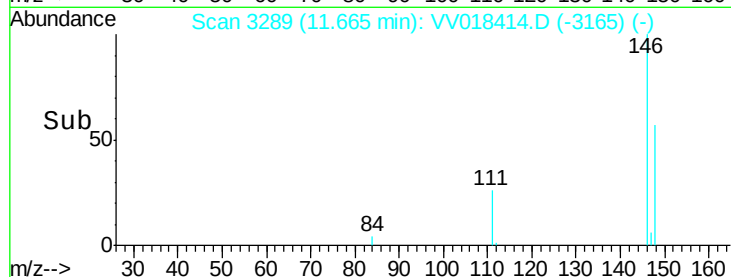
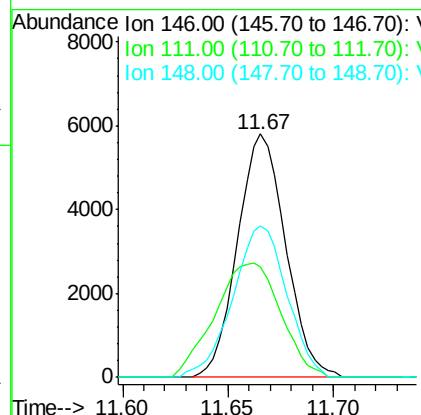
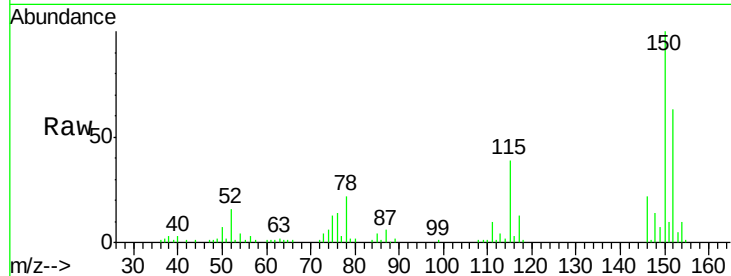
#67
 1,2-Dichlorobenzene
 Concen: 1.990 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	32.6	49.0
148	62.4	51.0	76.6

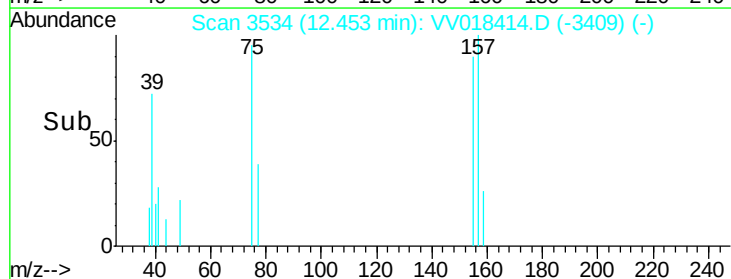
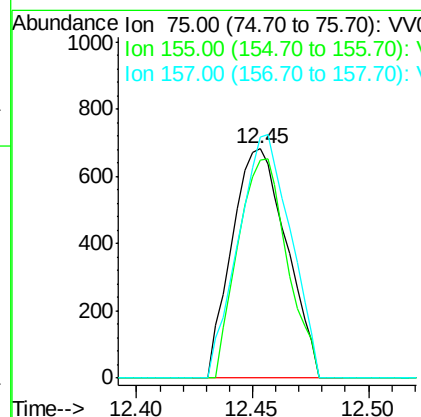
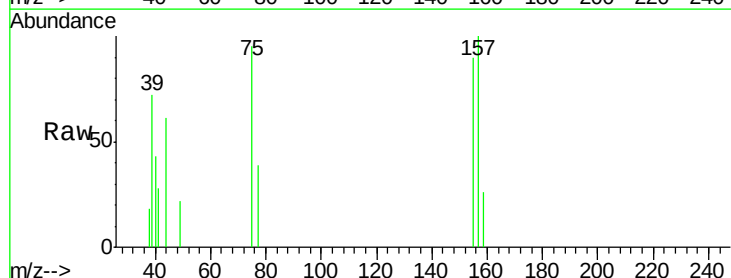
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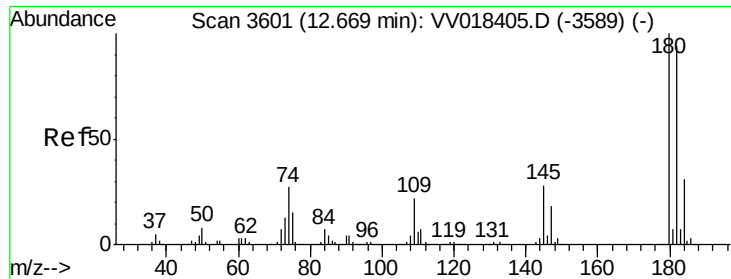
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.739 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	67.6	101.4
157	105.1	88.7	133.1





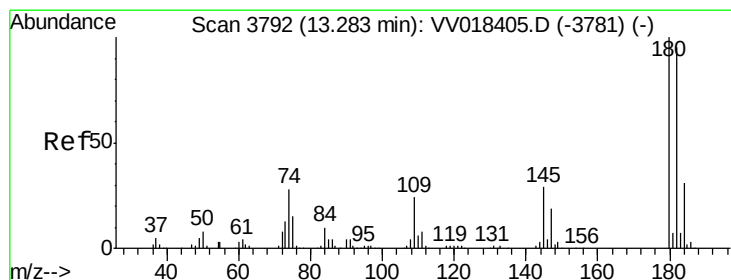
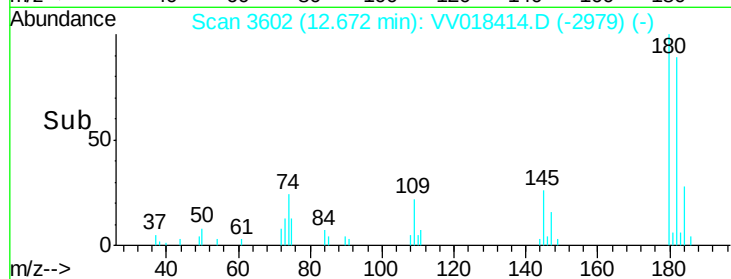
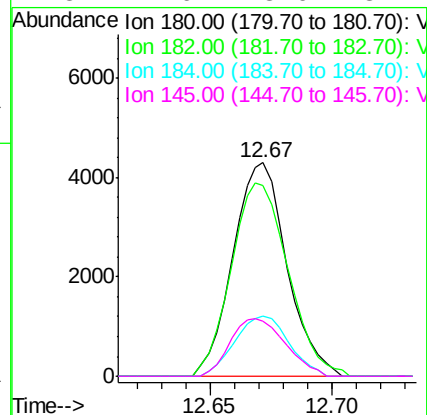
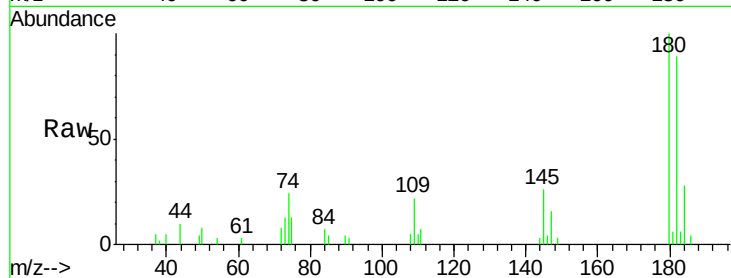
#69
 1,3,5-Trichlorobenzene
 Concen: 1.838 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	115.0
184	28.3	24.8	37.2
145	27.6	23.0	34.4

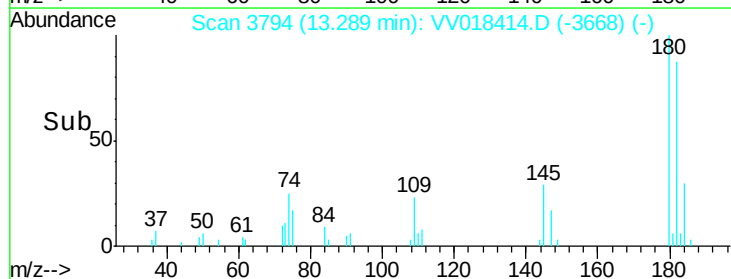
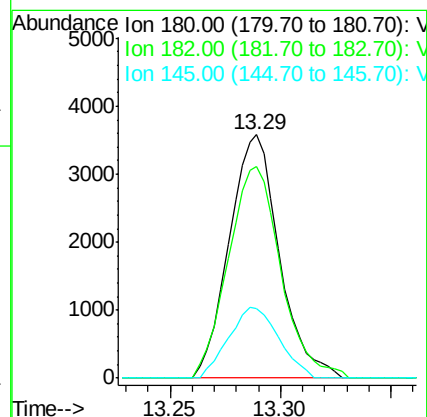
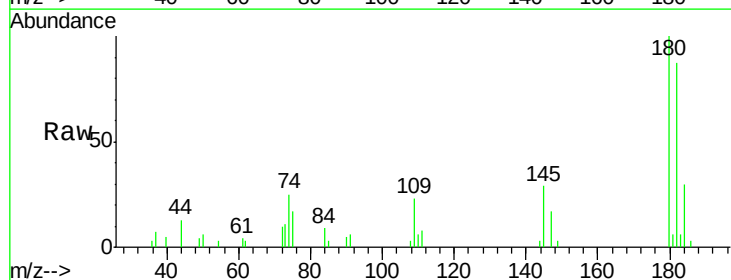
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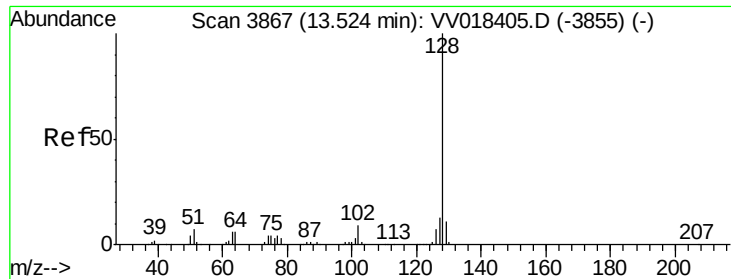
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#70
 1,2,4-trichlorobenzene
 Concen: 1.754 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	75.8	113.6
145	29.2	23.0	34.4





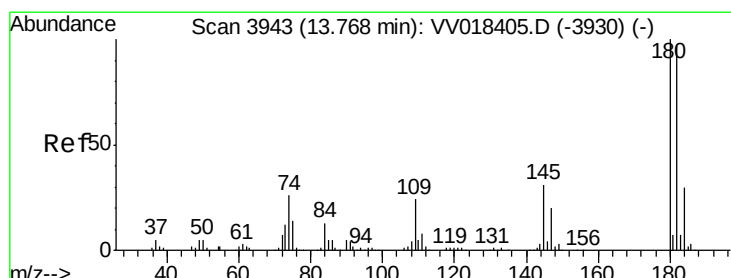
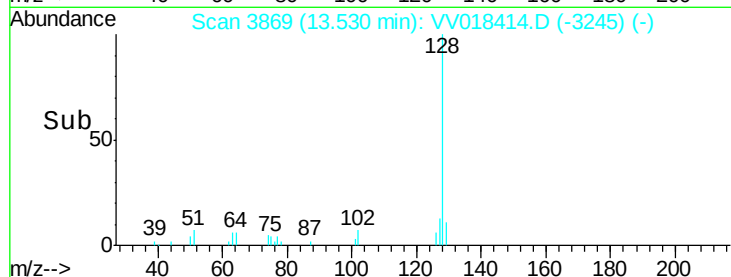
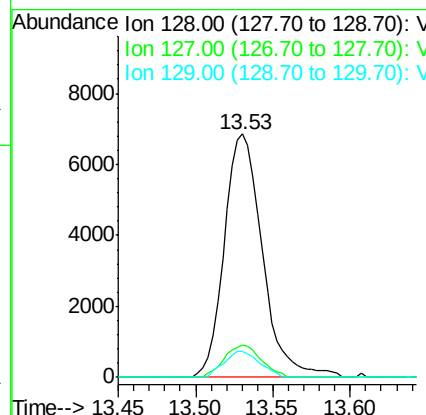
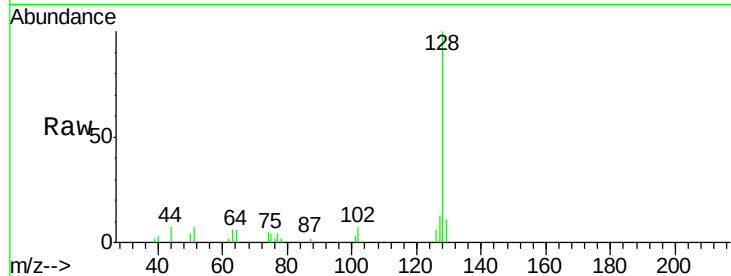
#71
Naphthalene
Concen: 1.406 ug/L
RT: 13.53 min Scan# 3869
Delta R.T. 0.01 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	9.9	8.7	13.1

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 1.691 ug/L
RT: 13.77 min Scan# 3944
Delta R.T. 0.00 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.1	115.7
145	31.3	25.0	37.6

