

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
 Data File : VV019137.D
 Acq On : 28 Oct 2020 15:55
 Operator : SY/MD
 Sample : L4425-06
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 X2P76

Manual Integrations
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 10/29/2020 2:58:17 PM

Quant Time: Oct 29 03:41:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 03:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.63	114	233990	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	231190	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	129285	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	70849	33.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.66%
7) Chloroethane-d5	1.58	69	55129	32.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	64.44%#
11) 1,1-Dichloroethene-d2	2.09	63	115945	29.12	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.24%#
21) 2-Butanone-d5	3.92	46	98245m	68.72	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	68.72%
24) Chloroform-d	4.37	84	156130	41.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.98%
26) 1,2-Dichloroethane-d4	5.05	65	110877	44.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.72%
32) Benzene-d6	5.06	84	284265	40.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.40%
36) 1,2-Dichloropropane-d6	6.09	67	87218	38.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	76.14%
41) Toluene-d8	7.33	98	276763	43.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.52%
43) trans-1,3-Dichloropropene-	7.64	79	51127	43.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.10%
47) 2-Hexanone-d5	8.14	63	79286m	79.60	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.60%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	113500	37.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	74.46%
64) 1,2-Dichlorobenzene-d4	11.65	152	118285	43.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.20	43	303291	313.013	ug/L	93
16) Methylene chloride	2.51	84	293397	161.068	ug/L	92
19) 1,1-Dichloroethane	3.20	63	414187	124.215	ug/L	98
20) cis-1,2-Dichloroethene	3.93	96	91435	51.776	ug/L	93
23) Bromochloromethane	4.26	128	142161	158.136	ug/L #	84
25) Chloroform	4.40	83	86574	26.356	ug/L	99
27) 1,2-Dichloroethane	5.15	62	324579	119.064	ug/L	100
30) 1,1,1-Trichloroethane	4.62	97	189956	65.991	ug/L	97
31) Carbon tetrachloride	4.84	117	194219	77.398	ug/L	100
34) Trichloroethene	5.93	95	109967	61.487	ug/L	95
37) 1,2-Dichloropropane	6.19	63	111441	57.195	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	599217m	227.956	ug/L	
45) 1,1,2-Trichloroethane	7.86	97	233802	135.862	ug/L	97
46) Tetrachloroethene	7.99	164	189587	138.138	ug/L	97
49) Dibromochloromethane	8.27	129	327771	174.255	ug/L	98
50) 1,2-Dibromoethane	8.37	107	176739	98.967	ug/L	98
55) Styrene	9.59	104	278494	56.701	ug/L	96

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ALS Vial : 1 Sample Multiplier: 1

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MSVOA_V
ClientSampleId :
X2P76

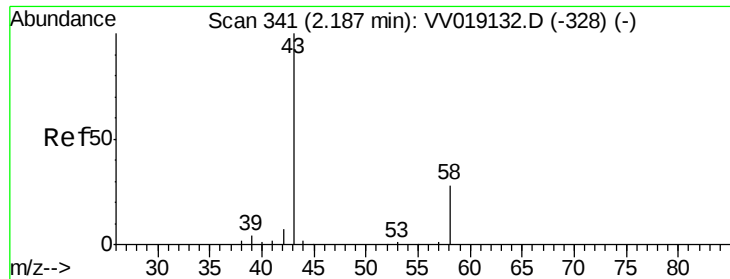
Manual Integrations
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Quant Time: Oct 29 03:41:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 29 03:08:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Isopropylbenzene	9.95	105	354487	48.689	uq/L	99
62) 1,3-Dichlorobenzene	11.21	146	164678	42.446	uq/L	98
63) 1,4-Dichlorobenzene	11.30	146	297842	73.467	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	54825	79.329	uq/L	91
68) 1,2,4-trichlorobenzene	13.29	180	149218	59.731	uq/L	100

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



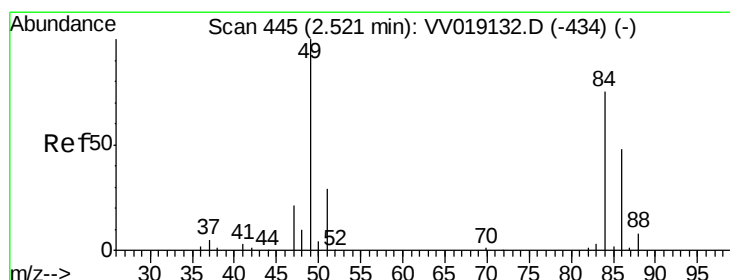
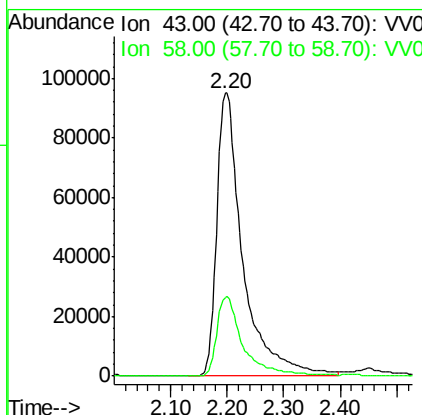
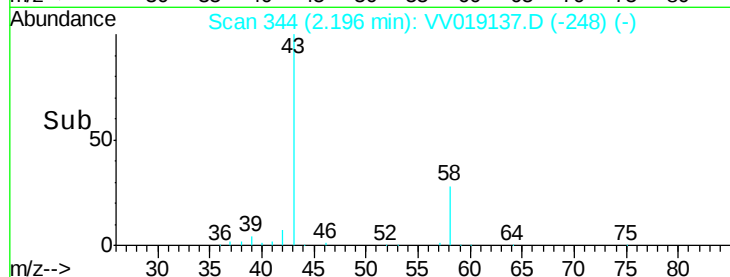
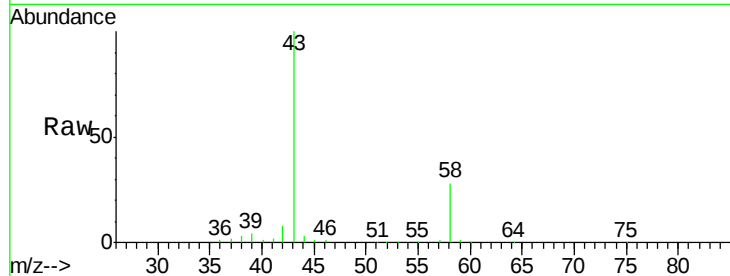
#13
Acetone
Concen: 313.013 ug/L
RT: 2.20 min Scan# 344
Delta R.T. 0.01 min
Lab File: VV019137.D
Acq: 28 Oct 2020 15:55

Instrument :
MSVOA_V
ClientSampled :
X2P76

Tot Ion: 43 Resp: 303291
Ion Ratio Lower Upper
43 100
58 26.1 0.0 60.2

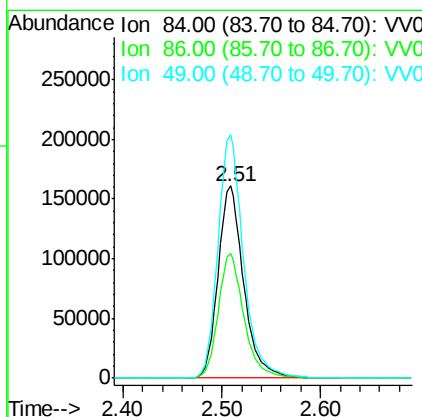
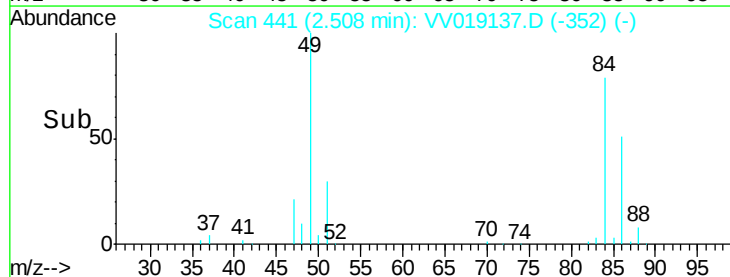
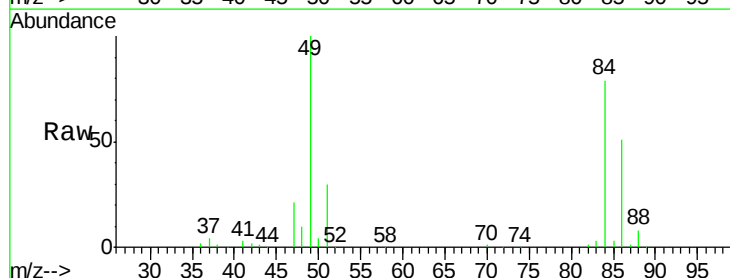
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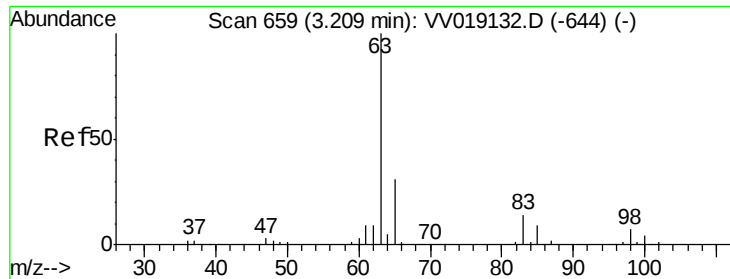
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#16
Methylene chloride
Concen: 161.068 ug/L
RT: 2.51 min Scan# 441
Delta R.T. -0.01 min
Lab File: VV019137.D
Acq: 28 Oct 2020 15:55

Tgt Ion: 84 Resp: 293397
Ion Ratio Lower Upper
84 100
86 64.9 44.2 82.2
49 126.9 98.0 182.0





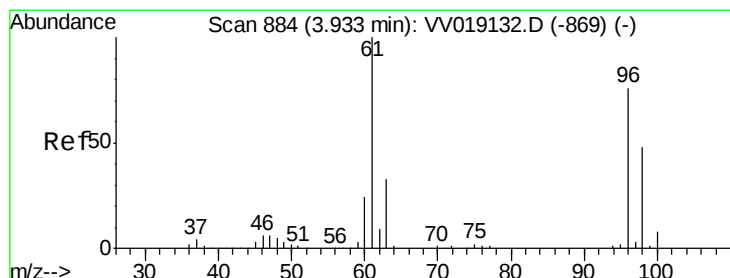
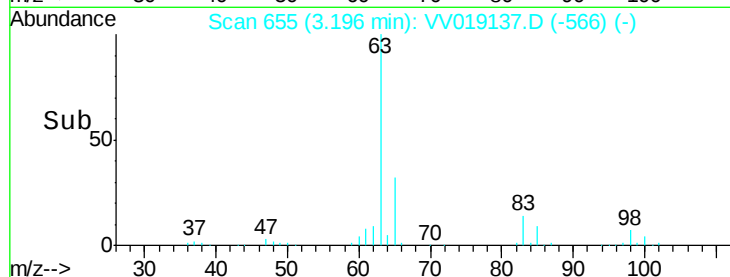
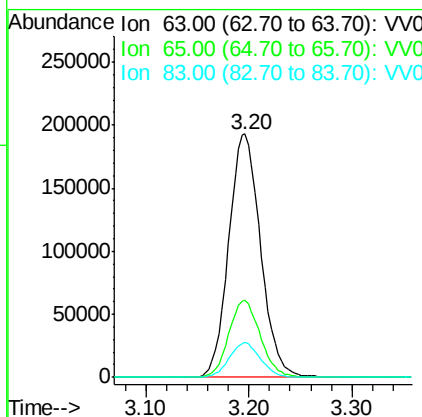
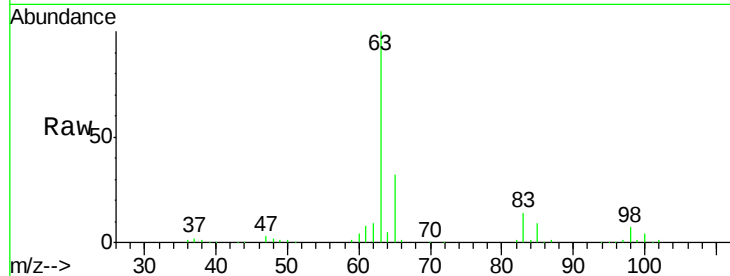
#19
 1,1-Dichloroethane
 Concen: 124.215 ug/L
 RT: 3.20 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VV019137.D
 Acq: 28 Oct 2020 15:55

Instrument :
 MSVOA_V
 ClientSampled :
 X2P76

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.7	42.1
83	14.2	9.0	16.8

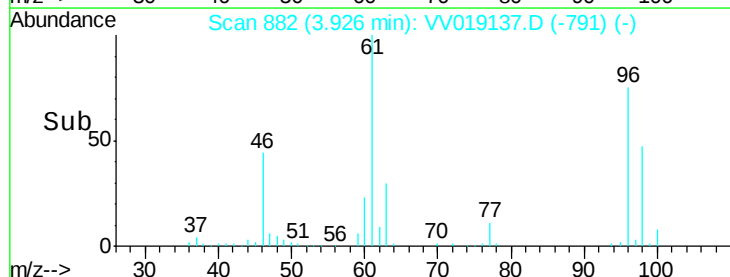
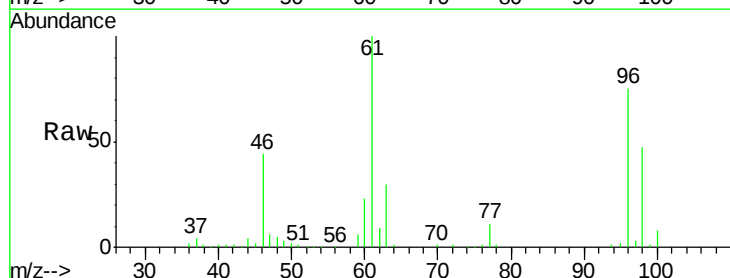
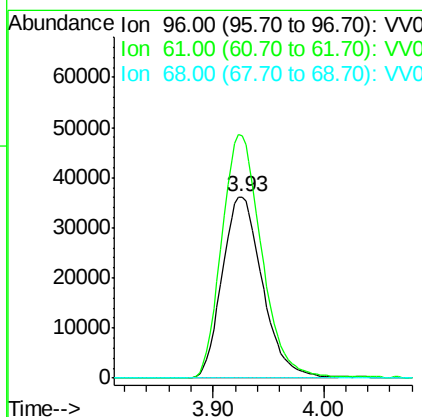
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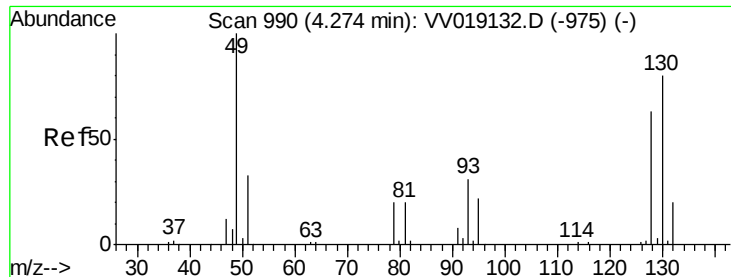
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#20
 cis-1,2-Dichloroethene
 Concen: 51.776 ug/L
 RT: 3.93 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: VV019137.D
 Acq: 28 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.7	99.4	184.6
68	0.0	0.0	0.0





#23

Bromochloromethane

Concen: 158.136 ug/L

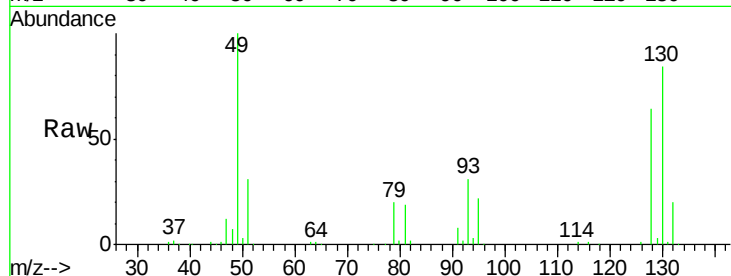
RT: 4.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VV019137.D

Acq: 28 Oct 2020 15:55

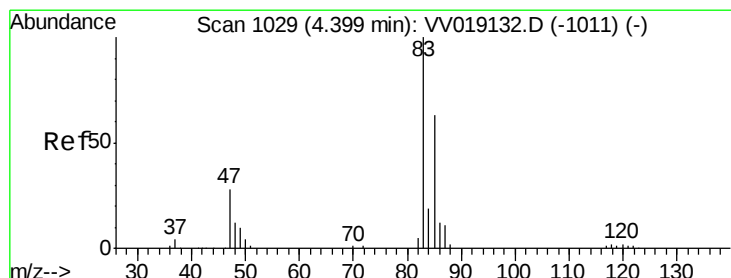
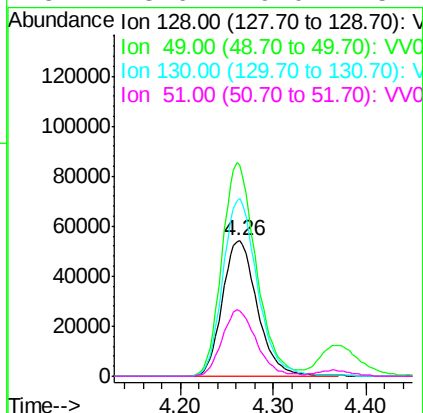
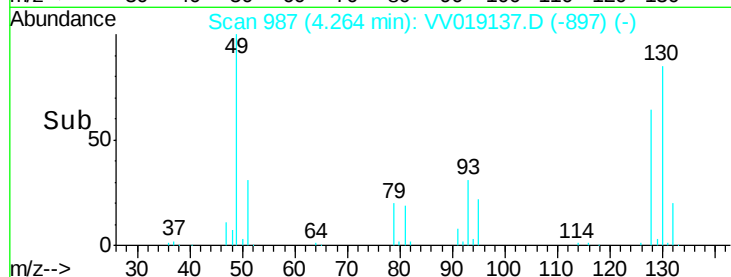
Instrument :
MSVOA_V
ClientSampleId :
X2P76



Tot Ion	128	Resp	142161
Ion Ratio	Lower	Upper	
128	100		
49	156.4	137.1	254.5
130	131.9	92.0	170.9
51	48.6	49.0	73.4#

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#25

Chloroform

Concen: 26.356 ug/L

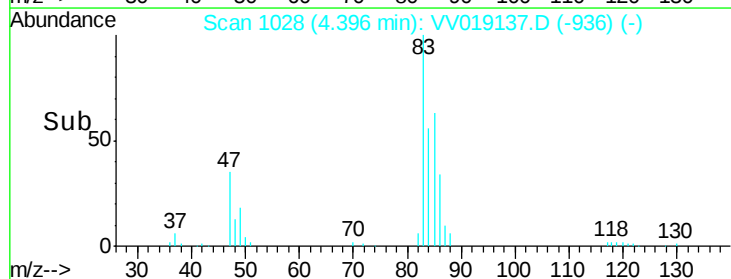
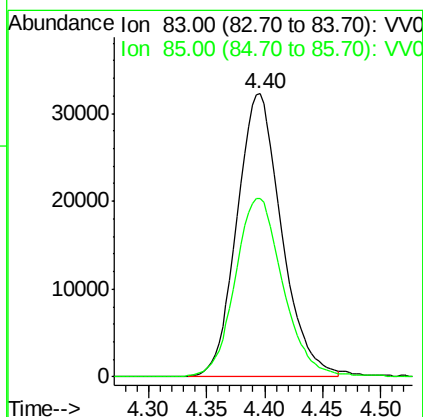
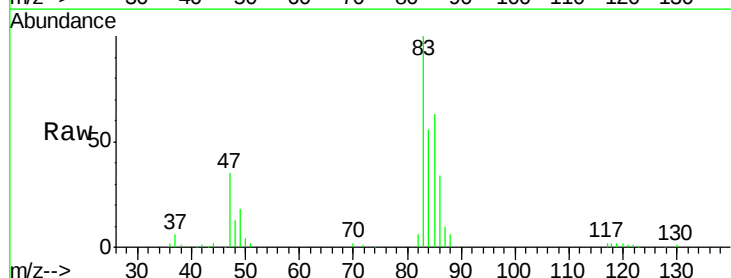
RT: 4.40 min Scan# 1028

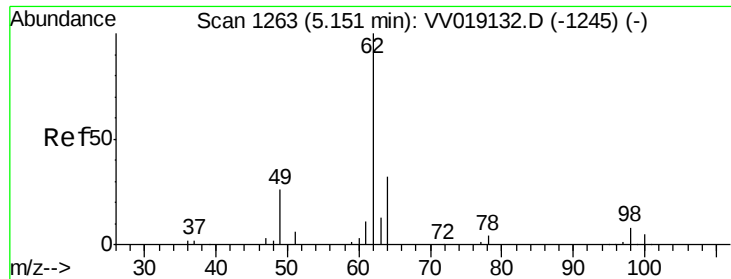
Delta R.T. -0.00 min

Lab File: VV019137.D

Acq: 28 Oct 2020 15:55

Tgt Ion	83	Resp	86574
Ion Ratio	Lower	Upper	
83	100		
85	63.2	44.5	82.7





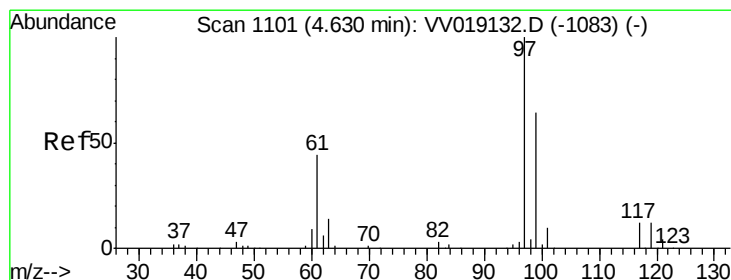
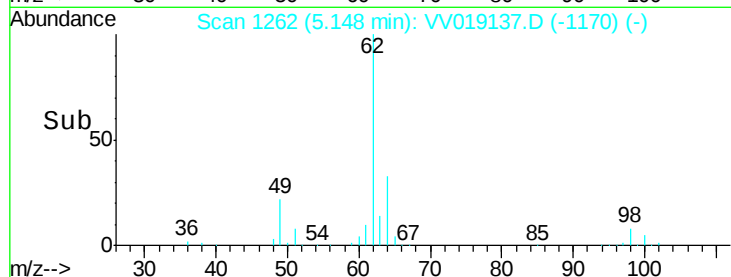
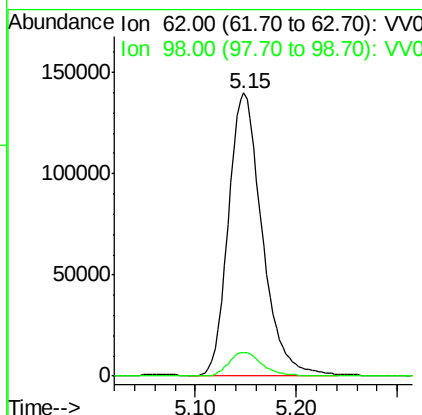
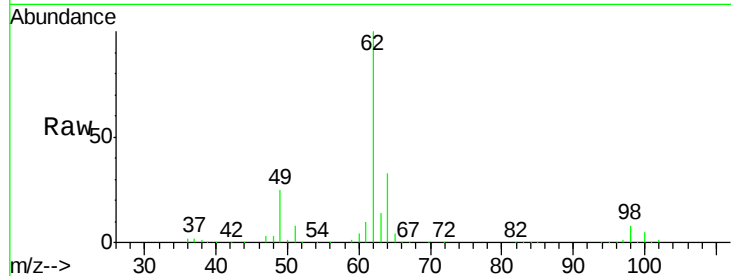
#27
 1,2-Dichloroethane
 Concen: 119.064 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VV019137.D
 Acq: 28 Oct 2020 15:55

Instrument :
 MSVOA_V
 ClientSampleId :
 X2P76

Tot Ion	Ratio	Resp	Lower	Upper
62	100	324579		
98	8.5		6.9	10.3

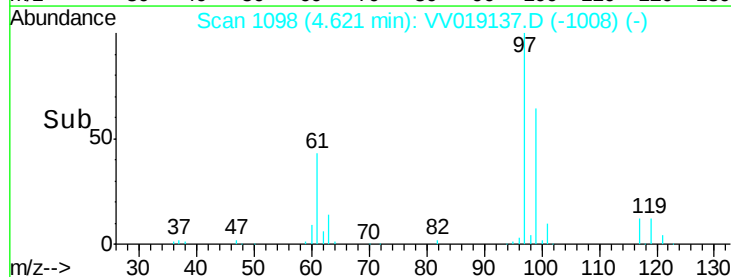
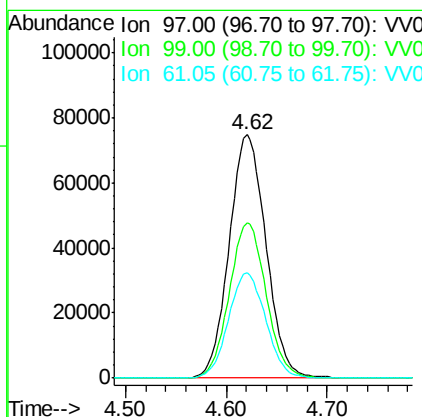
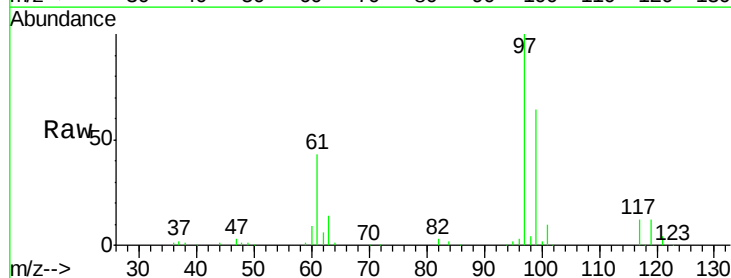
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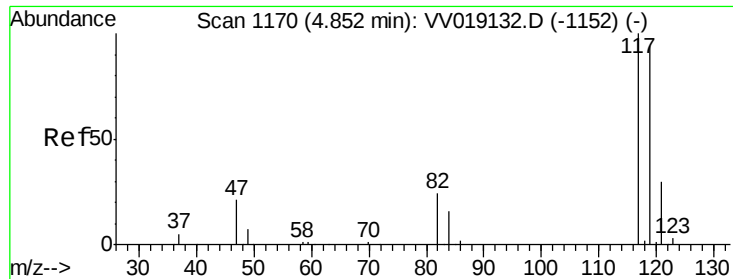
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#30
 1,1,1-Trichloroethane
 Concen: 65.991 ug/L
 RT: 4.62 min Scan# 1098
 Delta R.T. -0.01 min
 Lab File: VV019137.D
 Acq: 28 Oct 2020 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	189956		
99	63.6		50.5	75.7
61	43.6		38.1	57.1





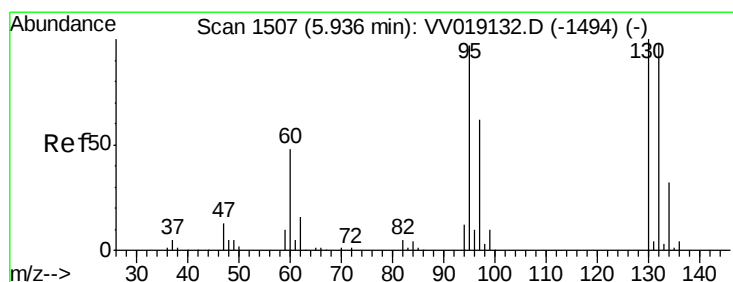
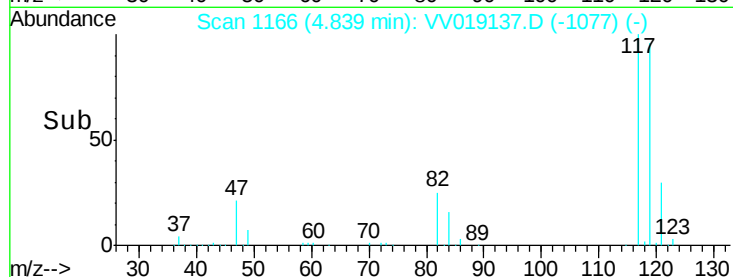
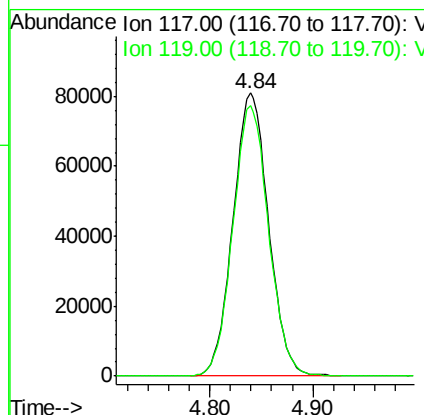
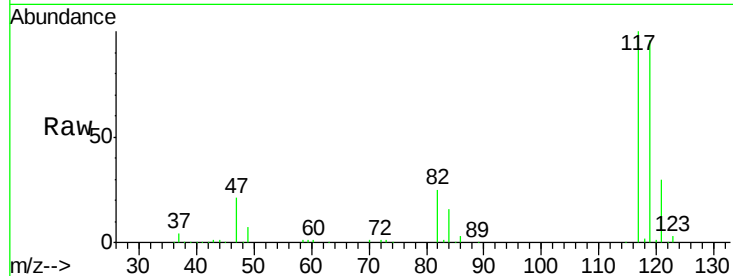
#31
Carbon tetrachloride
Concen: 77.398 ug/L
RT: 4.84 min Scan# 1166
Delta R.T. -0.01 min
Lab File: VV019137.D
Acq: 28 Oct 2020 15:55

Instrument :
MSVOA_V
ClientSampleId :
X2P76

Tot Ion:117 Resp: 194219
Ion Ratio Lower Upper
117 100
119 96.2 77.2 115.8

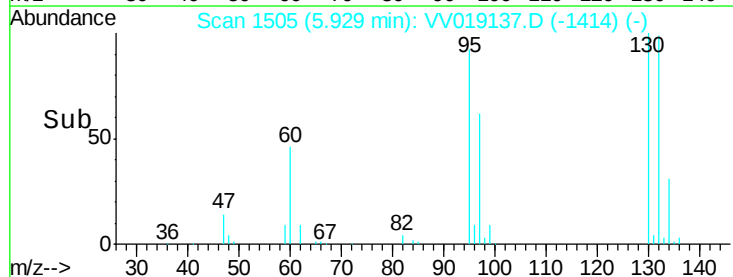
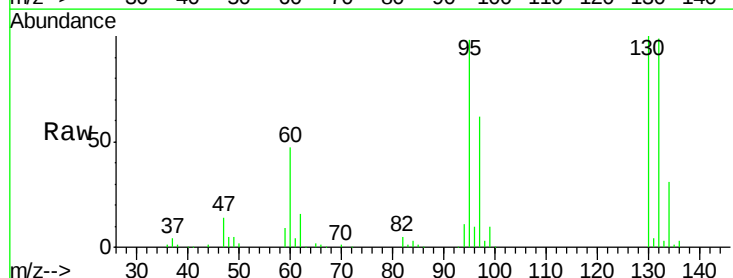
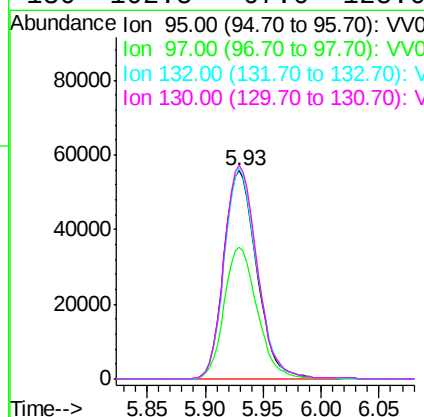
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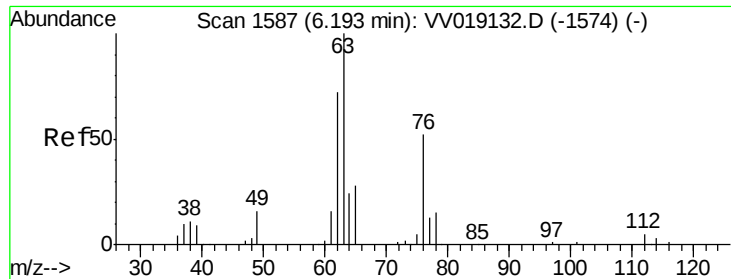
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#34
Trichloroethene
Concen: 61.487 ug/L
RT: 5.93 min Scan# 1505
Delta R.T. -0.01 min
Lab File: VV019137.D
Acq: 28 Oct 2020 15:55

Tgt Ion: 95 Resp: 109967
Ion Ratio Lower Upper
95 100
97 63.1 44.6 82.8
132 101.2 66.0 122.6
130 102.5 67.6 125.6





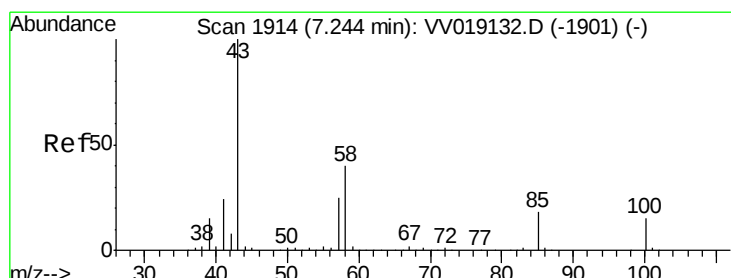
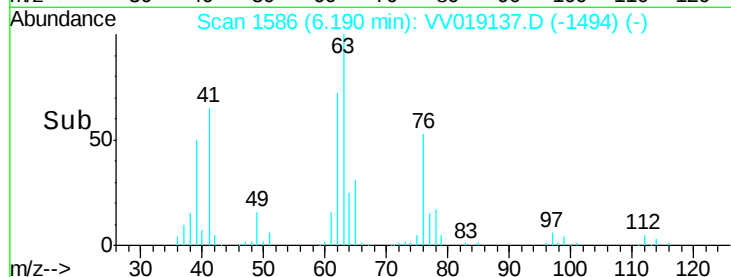
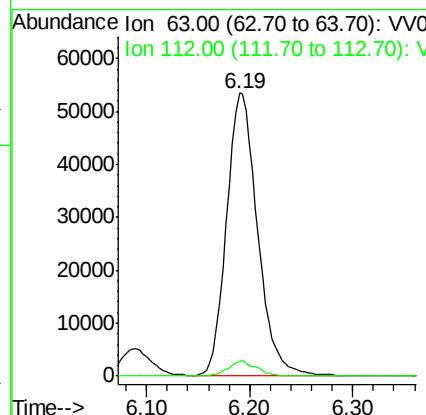
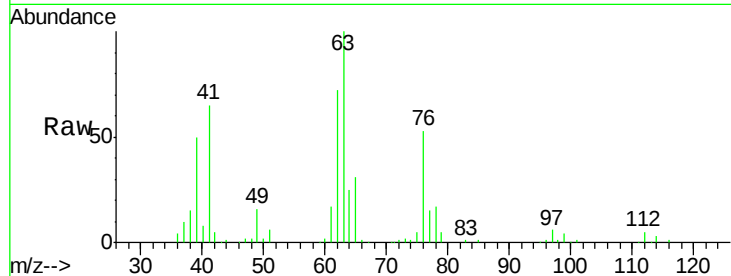
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 1,2-Dichloropropane
 Concen: 57.195 ug/L
 RT: 6.19 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VV019137.D
 Acq: 28 Oct 2020 15:55

Instrument :
 MSVOA_V
 ClientSampleId :
 X2P76

Tot Ion: 63 Resp: 111441
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.5 5.3

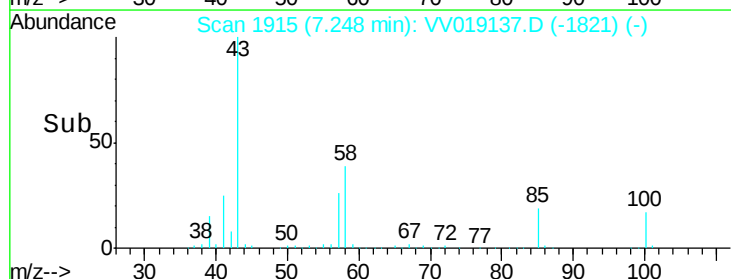
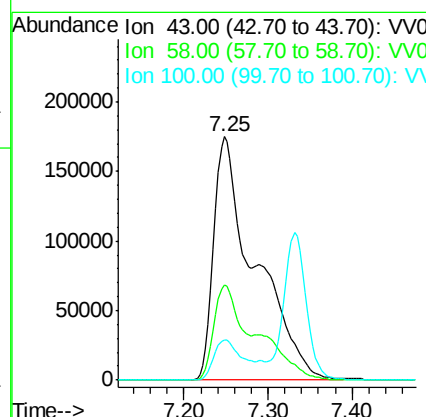
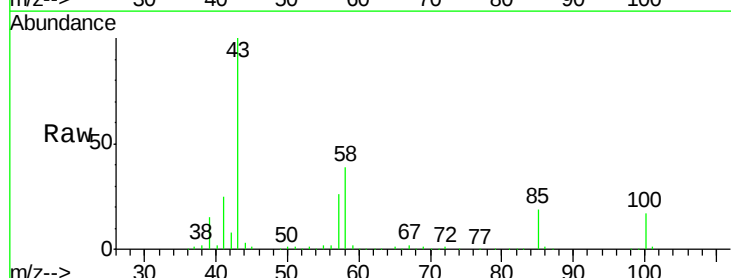
Manual Integrations
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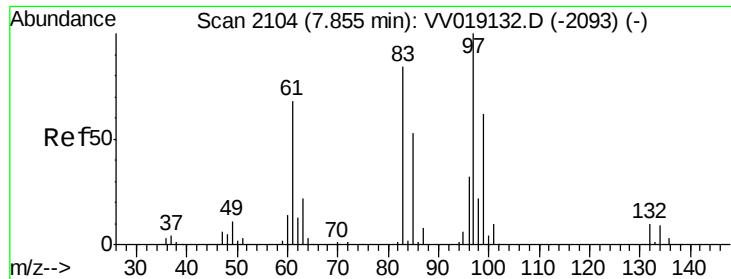
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#40
 4-Methyl-2-pentanone
 Concen: 227.956 ug/L m
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV019137.D
 Acq: 28 Oct 2020 15:55

Tgt Ion: 43 Resp: 599217
 Ion Ratio Lower Upper
 43 100
 58 25.2 29.6 44.4#
 100 11.7 10.9 16.3





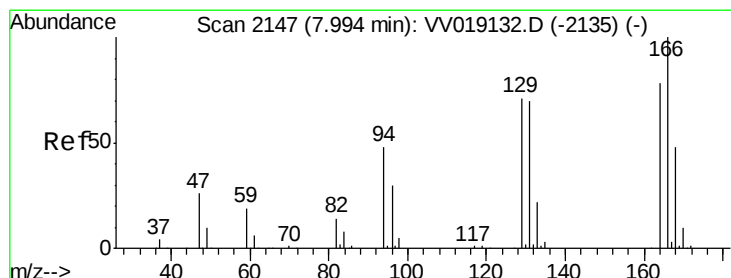
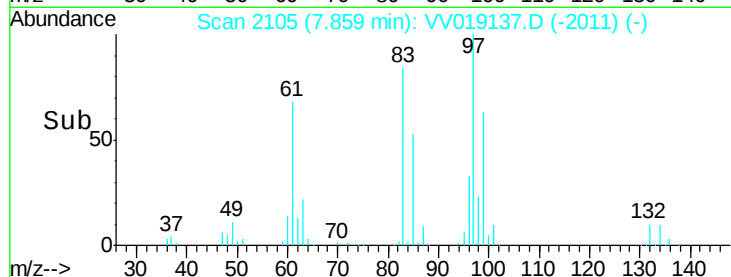
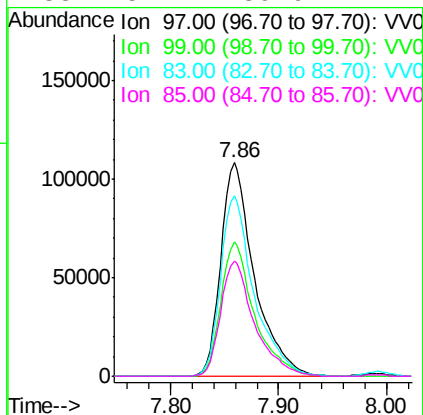
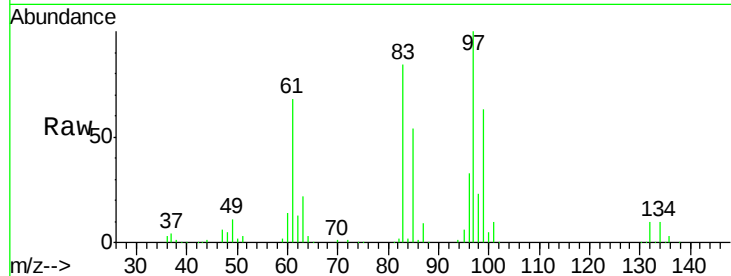
#45
1,1,2-Trichloroethane
Concen: 135.862 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV019137.D
Acq: 28 Oct 2020 15:55

Instrument :
MSVOA_V
ClientSampleId :
X2P76

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		233802		
99	62.8	43.5	80.9		
83	84.5	62.2	115.4		
85	54.1	39.9	74.1		

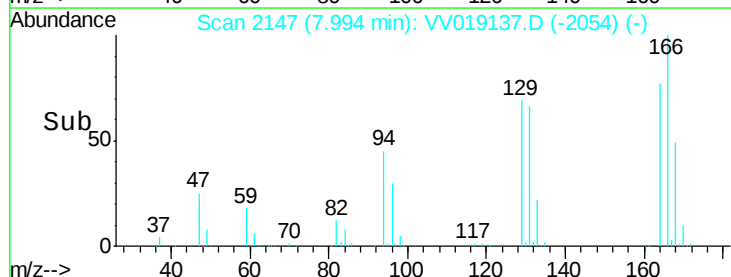
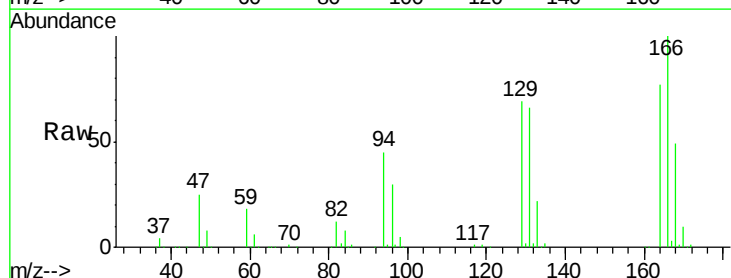
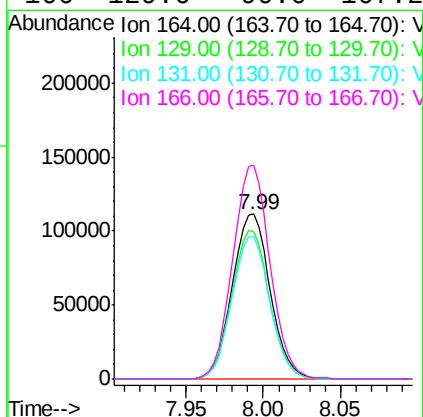
Manual Integrations
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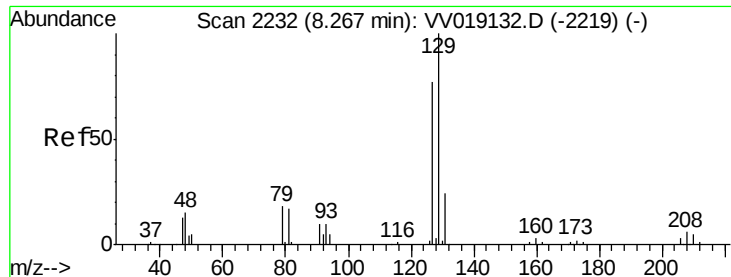
MMDadoda
10/29/2020 2:58:17 PM



#46
Tetrachloroethene
Concen: 138.138 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV019137.D
Acq: 28 Oct 2020 15:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		189587		
129	89.3	65.5	121.6		
131	86.0	62.4	115.8		
166	129.6	90.0	167.2		





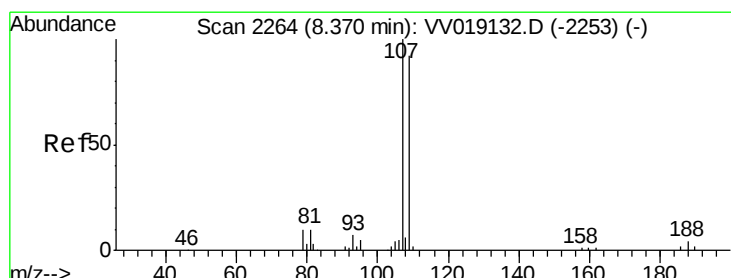
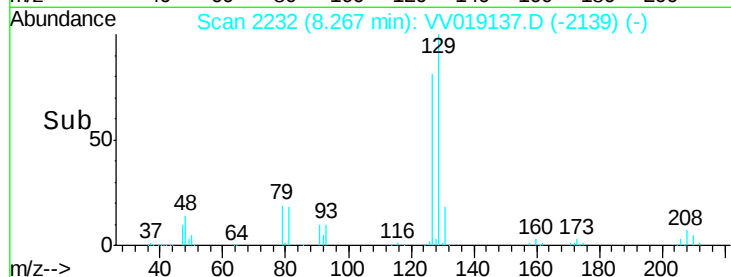
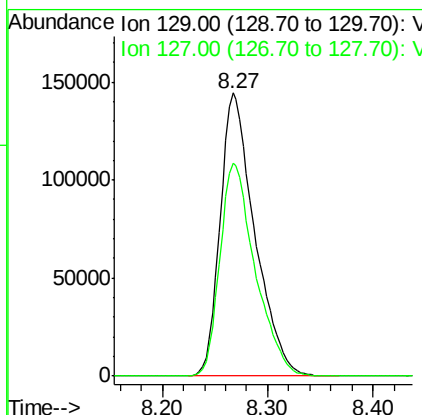
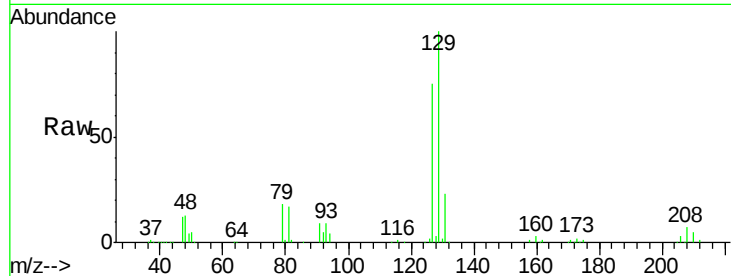
#49
 Dibromochloromethane
 Concen: 174.255 ug/L
 RT: 8.27 min Scan# 2232
 Delta R.T. -0.00 min
 Lab File: VV019137.D
 Acq: 28 Oct 2020 15:55

Instrument :
 MSVOA_V
 ClientSampleId :
 X2P76

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		327771		
127	75.4	53.7	99.7		

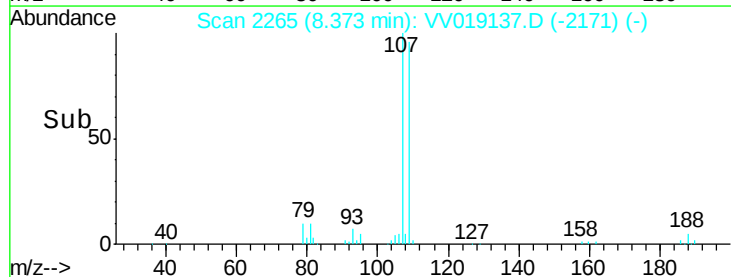
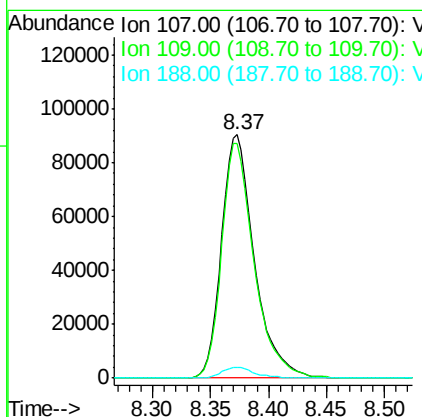
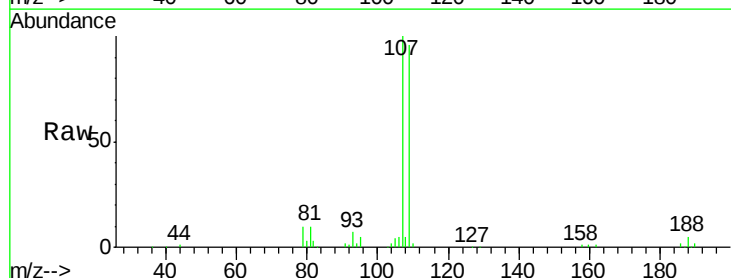
Manual Integrations
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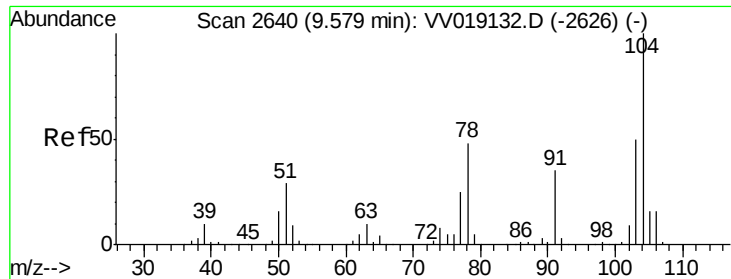
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#50
 1,2-Dibromoethane
 Concen: 98.967 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV019137.D
 Acq: 28 Oct 2020 15:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		176739		
109	96.3	66.1	122.7		
188	4.6	3.2	4.8		





#55

Stvrene

Concen: 56.701 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV019137.D

Acq: 28 Oct 2020 15:55

Instrument :

MSVOA_V

ClientSampleId :

X2P76

Tot Ion:104 Resp: 278494

Ion Ratio Lower Upper

104 100

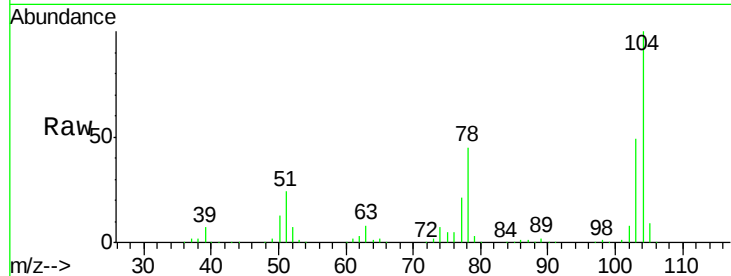
78 44.6 33.2 61.7

Manual Integrations

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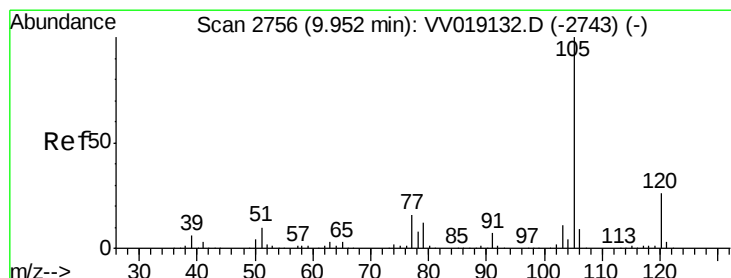
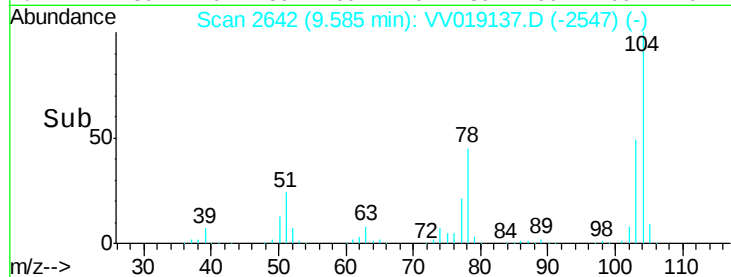
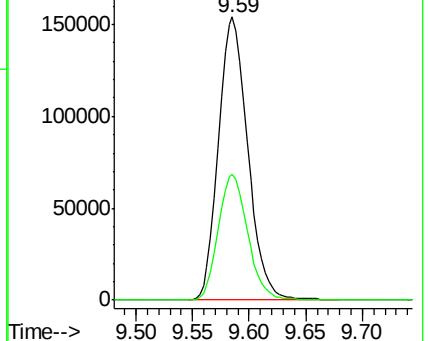
MMDadoda

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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 48.689 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019137.D

Acq: 28 Oct 2020 15:55

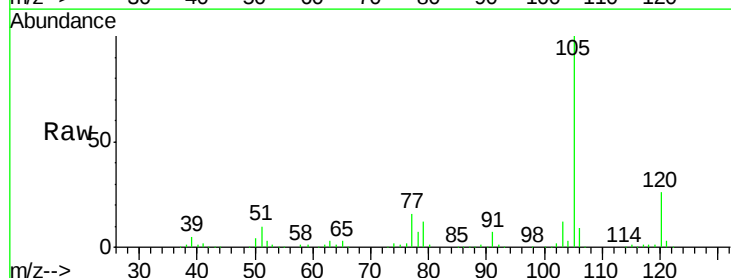
Tgt Ion:105 Resp: 354487

Ion Ratio Lower Upper

105 100

120 26.3 20.6 31.0

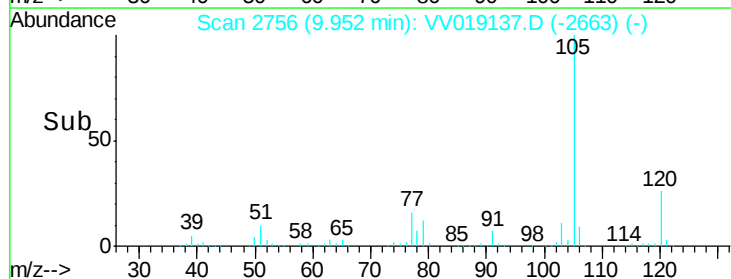
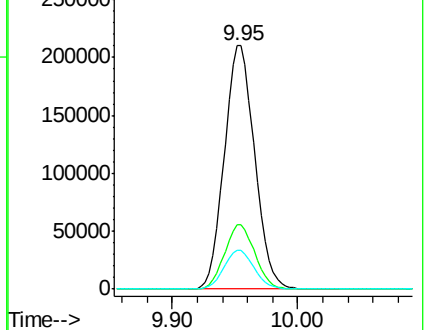
77 15.9 13.4 20.0

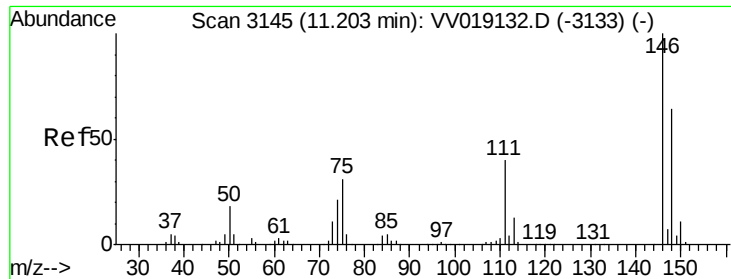


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





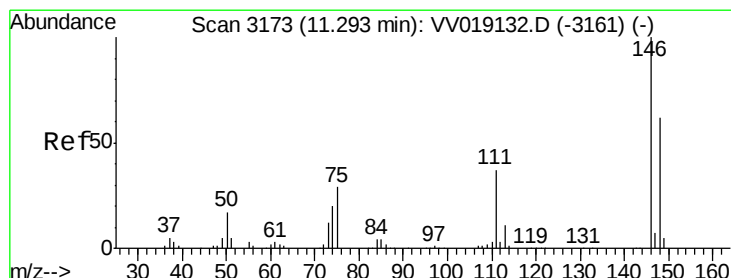
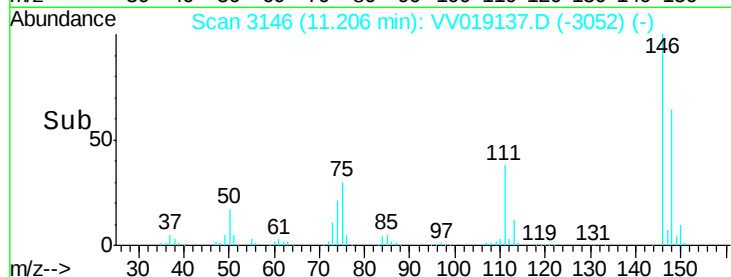
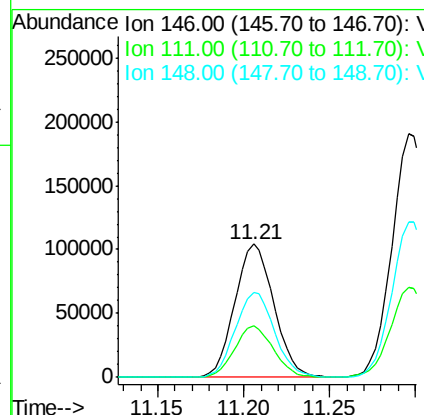
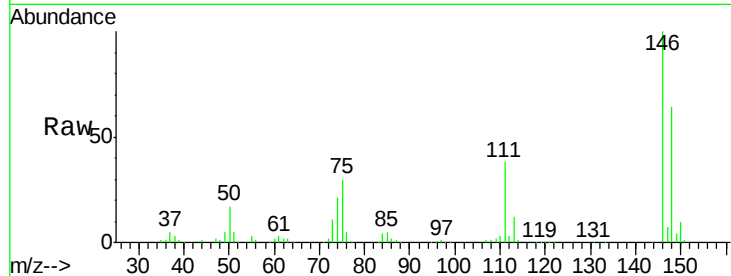
#62
 1,3-Dichlorobenzene
 Concen: 42.446 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019137.D
 Acq: 28 Oct 2020 15:55

Instrument :
 MSVOA_V
 ClientSampled :
 X2P76

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	28.8	53.4
148	63.8	44.5	82.7

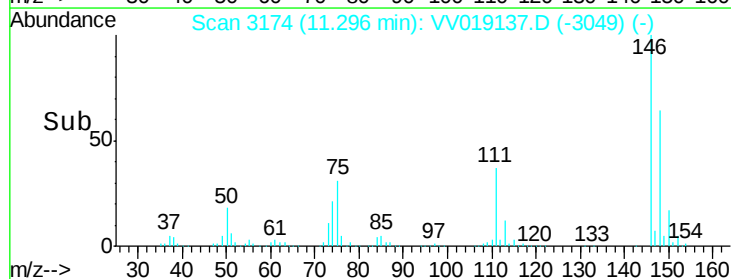
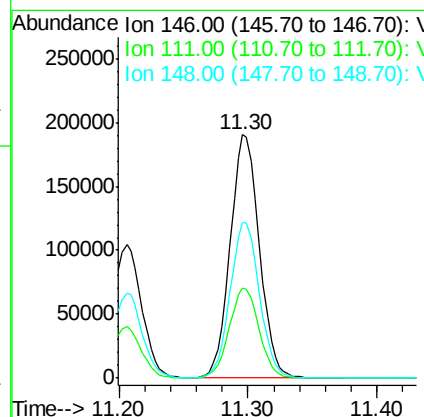
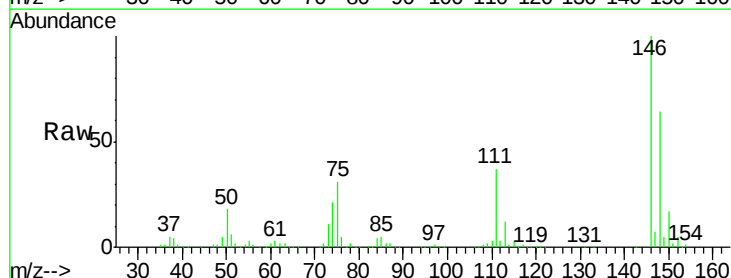
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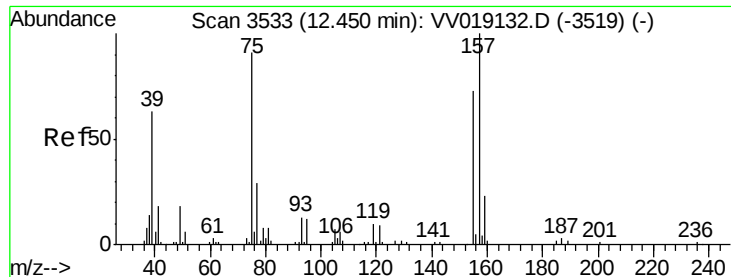
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#63
 1,4-Dichlorobenzene
 Concen: 73.467 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV019137.D
 Acq: 28 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	27.8	51.6
148	63.9	45.1	83.9





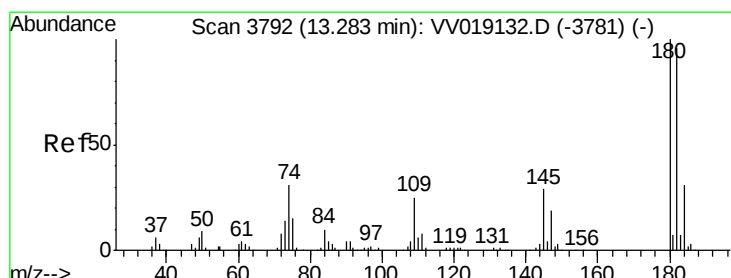
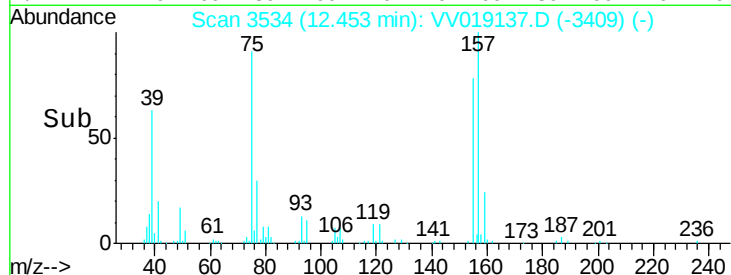
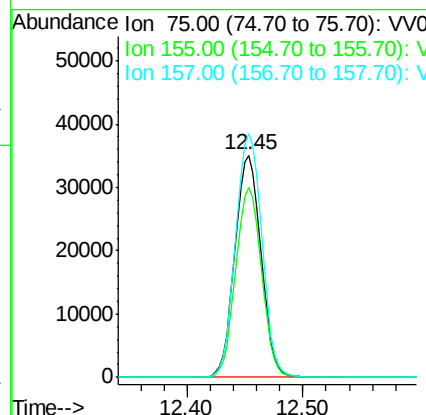
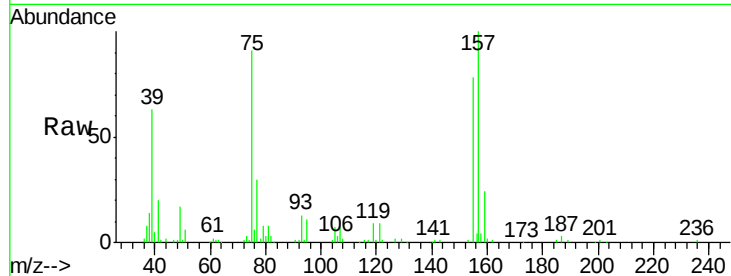
#66
 1,2-Dibromo-3-chloropropane
 Concen: 79.329 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV019137.D
 Acq: 28 Oct 2020 15:55

Instrument :
 MSVOA_V
 ClientSampleId :
 X2P76

Tot Ion	Ratio	Lower	Upper
75	100		
155	85.5	62.2	93.4
157	109.6	79.9	119.9

Manual Integrations
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#68
 1,2,4-trichlorobenzene
 Concen: 59.731 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019137.D
 Acq: 28 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.4	116.2
145	29.4	23.7	35.5

