

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
 Data File : VV019136.D
 Acq On : 28 Oct 2020 12:35
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 2:58:15 PM

Quant Time: Oct 29 03:28:17 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	5.64	114	228701	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	225635	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	113347	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76417	36.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.56%
7) Chloroethane-d5	1.58	69	66322	39.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.32%
11) 1,1-Dichloroethene-d2	2.12	63	128810	33.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.20%
21) 2-Butanone-d5	3.91	46	113130	80.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.96%
24) Chloroform-d	4.38	84	163652	45.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.08%
26) 1,2-Dichloroethane-d4	5.06	65	116555	47.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.42%
32) Benzene-d6	5.07	84	305583	44.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.56%
36) 1,2-Dichloropropane-d6	6.09	67	94795	42.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.80%
41) Toluene-d8	7.34	98	281046	45.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.08%
43) trans-1,3-Dichloropropene-	7.64	79	50852	44.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.78%
47) 2-Hexanone-d5	8.11	63	81762	84.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.11%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	123929	41.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	119921	50.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4198	2.357	ug/L	99
3) Chloromethane	1.25	50	4725	2.133	ug/L	99
5) Vinyl chloride	1.32	62	4978	2.281	ug/L #	62
6) Bromomethane	1.53	94	3098	2.481	ug/L	97
8) Chloroethane	1.60	64	3304m	2.414	ug/L	
9) Trichlorofluoromethane	1.77	101	7734	2.694	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4946	3.240	ug/L #	84
12) 1,1-Dichloroethene	2.13	96	4571	2.992	ug/L #	1
13) Acetone	2.19	43	6102	6.443	ug/L	84
14) Carbon disulfide	2.31	76	11386	2.261	ug/L	98
15) Methyl Acetate	2.45	43	4316m	2.169	ug/L	
16) Methylene chloride	2.52	84	4385	2.463	ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	3884	2.406	ug/L	93
18) Methyl tert-butyl Ether	2.79	73	12524	2.393	ug/L	98
19) 1,1-Dichloroethane	3.22	63	7679	2.356	ug/L	93
20) cis-1,2-Dichloroethene	3.94	96	4071	2.359	ug/L	99
22) 2-Butanone	4.02	43	4823m	3.715	ug/L	

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Manual Integrations
 APPROVED

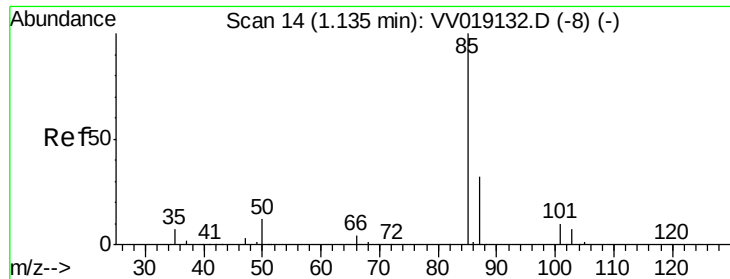
MMDadoda
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Quant Time: Oct 29 03:28:17 2020
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

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

23) Bromochloromethane	4.28	128	2220m	2.527	uq/L	
25) Chloroform	4.41	83	9822	3.059	uq/L	89
27) 1,2-Dichloroethane	5.16	62	6670	2.503	uq/L	96
29) Cyclohexane	4.70	56	5661	2.096	uq/L #	73
30) 1,1,1-Trichloroethane	4.64	97	7452	2.653	uq/L #	86
31) Carbon tetrachloride	4.86	117	6197	2.530	uq/L	93
33) Benzene	5.13	78	15772	2.283	uq/L	100
34) Trichloroethene	5.95	95	4240	2.429	uq/L	96
35) Methylcyclohexane	6.16	83	5789	2.424	uq/L	92
37) 1,2-Dichloropropane	6.20	63	4355	2.290	uq/L #	87
38) Bromodichloromethane	6.54	83	5892	2.449	uq/L	97
39) cis-1,3-Dichloropropene	7.05	75	6579m	2.341	uq/L	
40) 4-Methyl-2-pentanone	7.25	43	10334	4.028	uq/L	98
42) Toluene	7.41	91	17220	2.429	uq/L	91
44) trans-1,3-Dichloropropene	7.68	75	6771	2.429	uq/L	94
45) 1,1,2-Trichloroethane	7.87	97	3948	2.351	uq/L	93
46) Tetrachloroethene	8.00	164	3848	2.873	uq/L	92
48) 2-Hexanone	8.17	43	8826	4.458	uq/L #	90
49) Dibromochloromethane	8.27	129	4833	2.633	uq/L	90
50) 1,2-Dibromoethane	8.38	107	4173	2.394	uq/L #	92
51) Chlorobenzene	8.90	112	11403	2.508	uq/L	96
52) Ethylbenzene	9.04	91	17403	2.270	uq/L	95
53) m,p-Xylene	9.16	106	6756	2.407	uq/L	94
54) o-xylene	9.57	106	6409	2.372	uq/L	100
55) Styrene	9.59	104	10098	2.107	uq/L	99
56) Isopropylbenzene	9.95	105	16000	2.252	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	6650	2.406	uq/L #	93
59) 1,2,3-Trichloropropane	10.29	75	5244	2.358	uq/L	97
61) Bromoform	9.76	173	3521	2.758	uq/L #	41
62) 1,3-Dichlorobenzene	11.21	146	9427	2.771	uq/L	96
63) 1,4-Dichlorobenzene	11.30	146	9928	2.793	uq/L	97
65) 1,2-Dichlorobenzene	11.67	146	9499	2.770	uq/L	96
66) 1,2-Dibromo-3-chloropropan	12.45	75	1479	2.441	uq/L	87
67) 1,3,5-Trichlorobenzene	12.67	180	6532	2.812	uq/L	97
68) 1,2,4-trichlorobenzene	13.29	180	5819	2.657	uq/L	94
69) Naphthalene	13.53	128	13643	2.022	uq/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	5120	2.307	uq/L	95

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



#2

Dichlorodifluoromethane

Concen: 2.357 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Instrument :

MSVOA_V

ClientSampleID :

MDL02

Tot Ion: 85 Resp: 4198

Ion Ratio Lower Upper

85 100

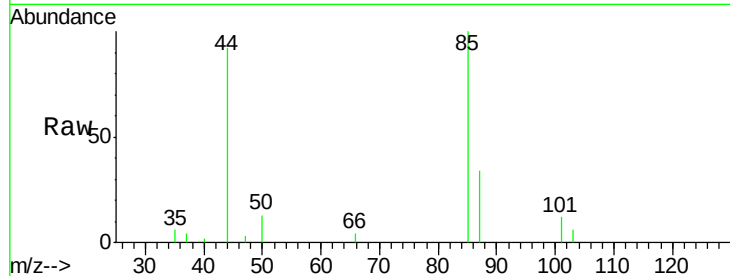
87 32.6 25.5 38.3

Manual Integrations

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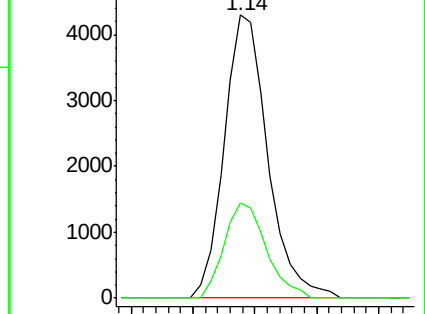
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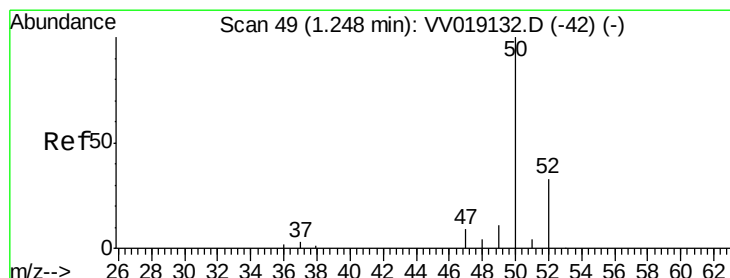
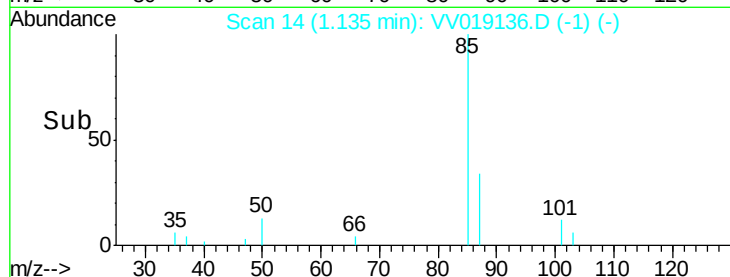


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time--> 1.10 1.12 1.14 1.16 1.18



#3

Chloromethane

Concen: 2.133 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019136.D

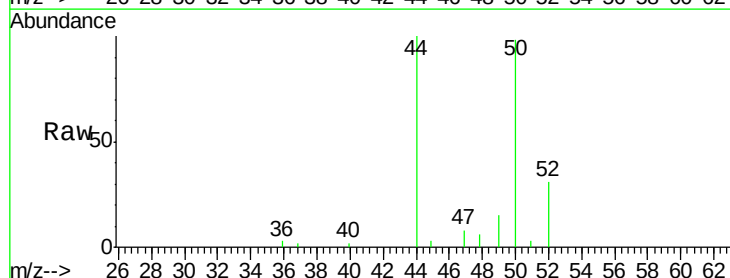
Acq: 28 Oct 2020 12:35

Tgt Ion: 50 Resp: 4725

Ion Ratio Lower Upper

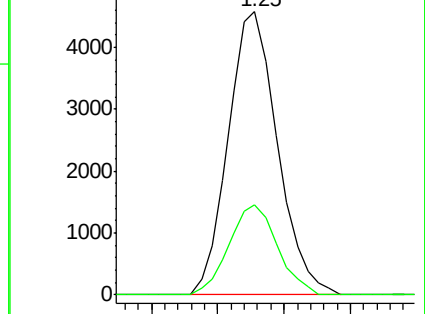
50 100

52 31.8 22.7 42.1

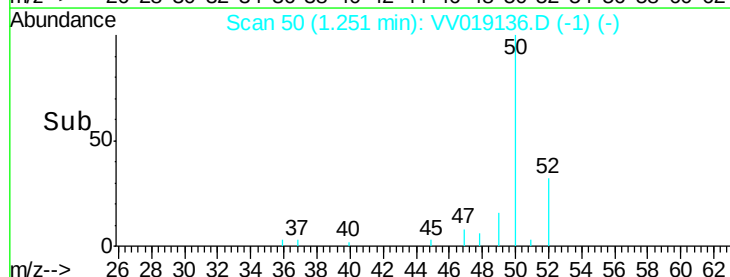


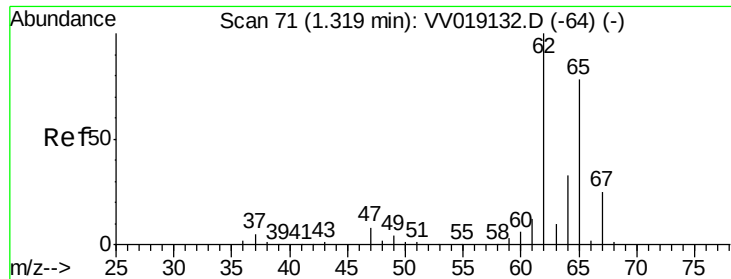
Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



Time--> 1.22 1.24 1.26 1.28





#5

Vinyl chloride

Concen: 2.281 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 62 Resp: 4978

Ion Ratio Lower Upper

62 100

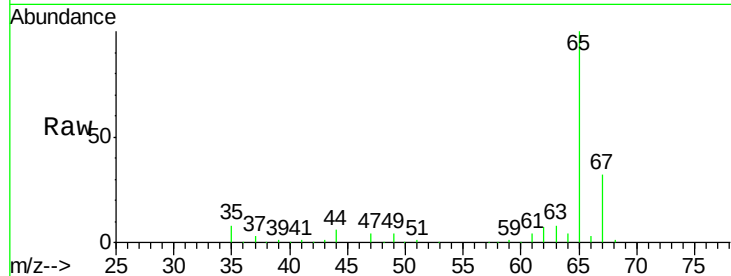
64 54.0 22.9 42.5#

Manual Integrations

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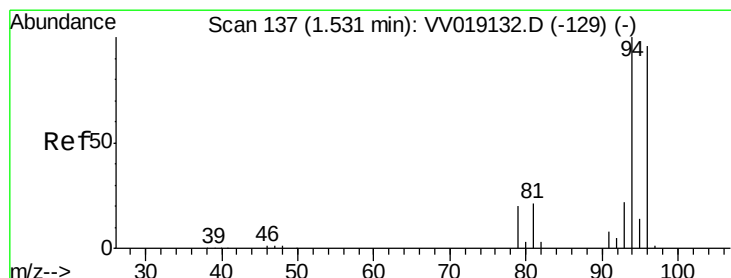
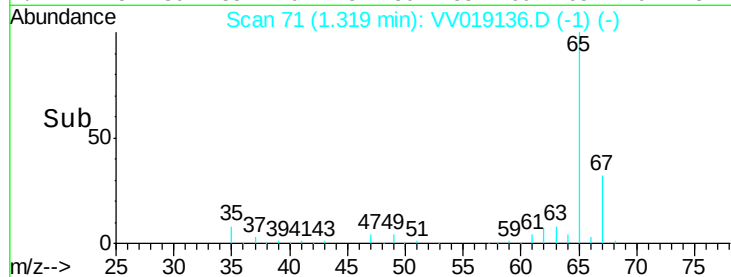
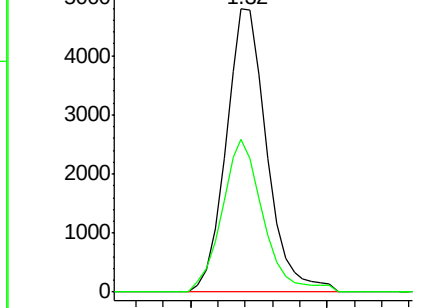
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.481 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV019136.D

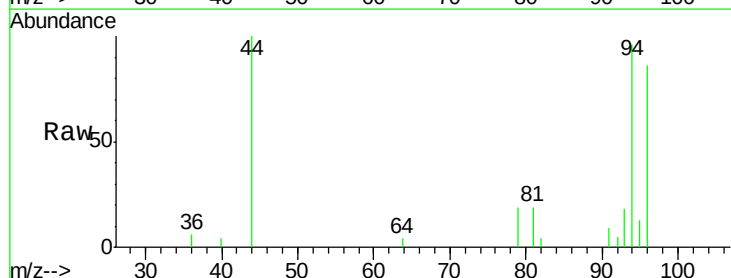
Acq: 28 Oct 2020 12:35

Tgt Ion: 94 Resp: 3098

Ion Ratio Lower Upper

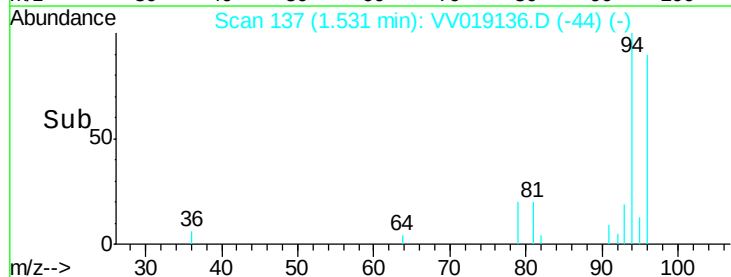
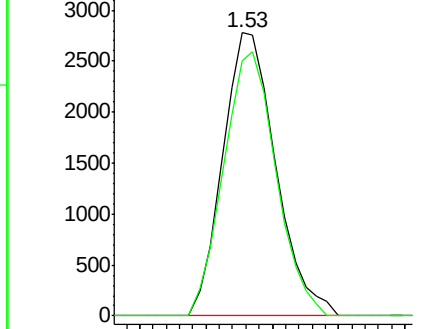
94 100

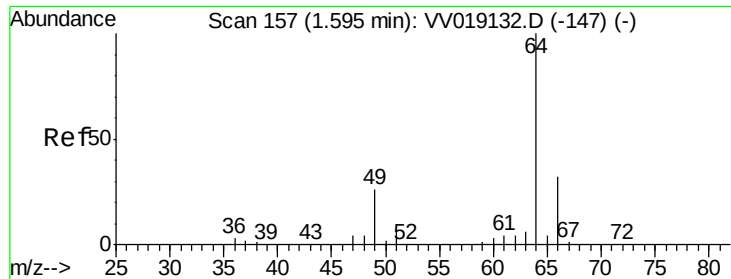
96 90.2 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.414 ug/L m

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 64 Resp: 3304

Ion Ratio Lower Upper

64 100

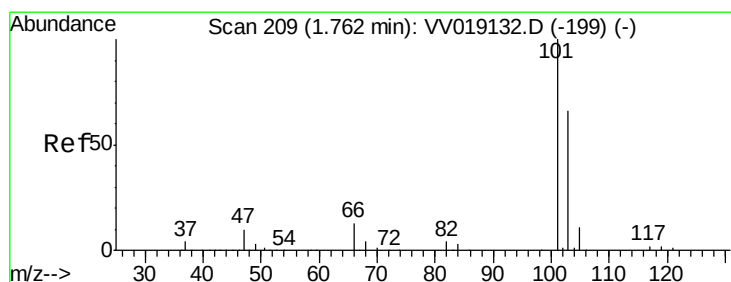
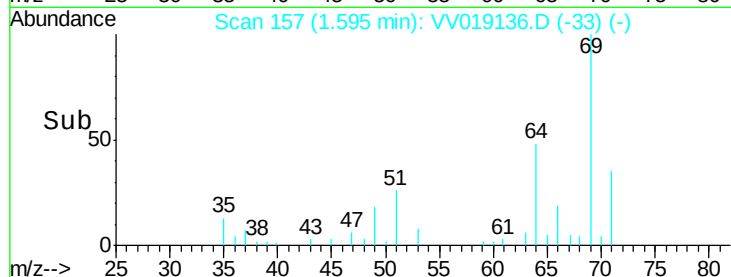
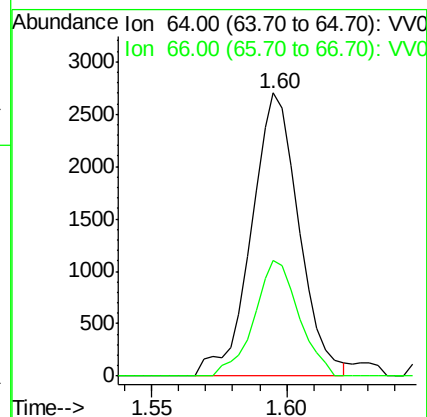
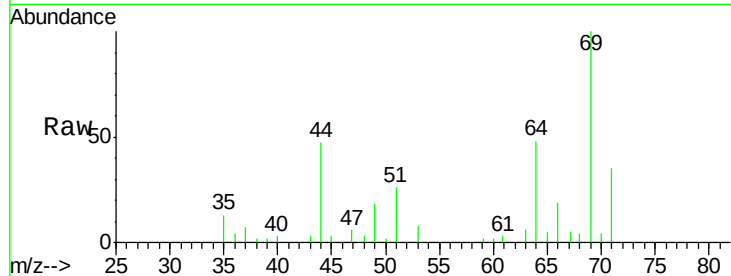
66 41.0 22.5 41.9

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.694 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019136.D

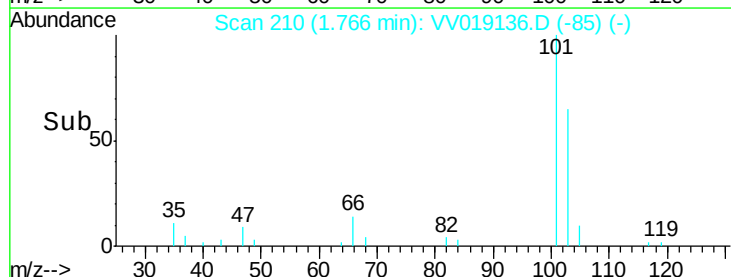
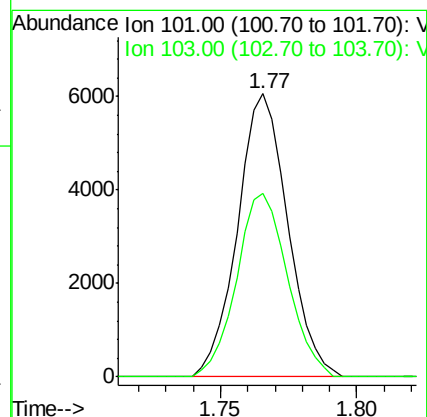
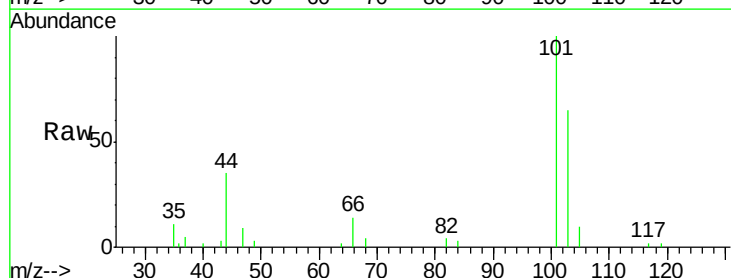
Acq: 28 Oct 2020 12:35

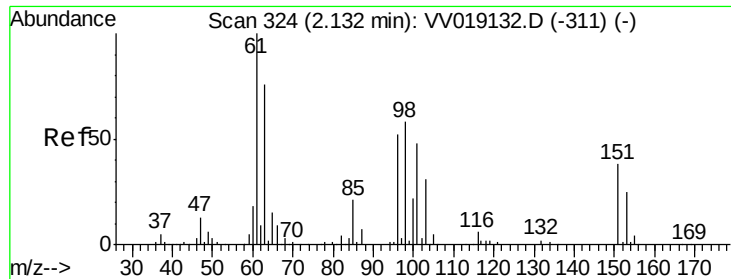
Tgt Ion: 101 Resp: 7734

Ion Ratio Lower Upper

101 100

103 65.6 51.7 77.5





#10

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

Concen: 3.240 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Instrument :

MSVOA_V

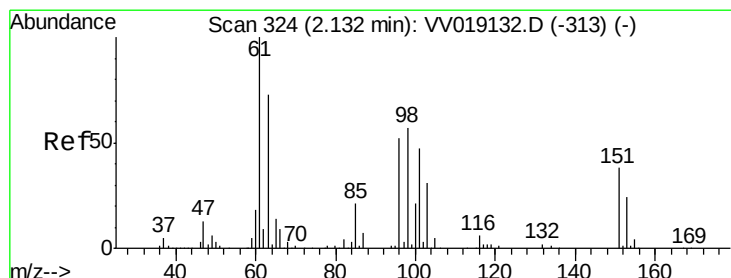
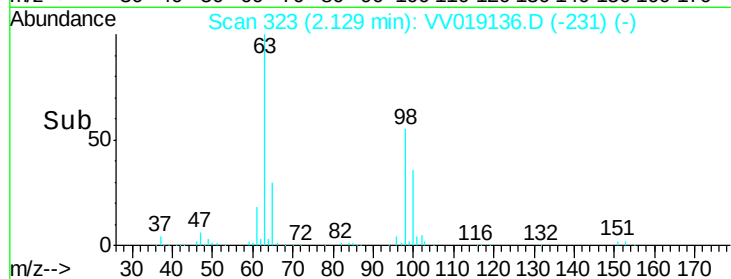
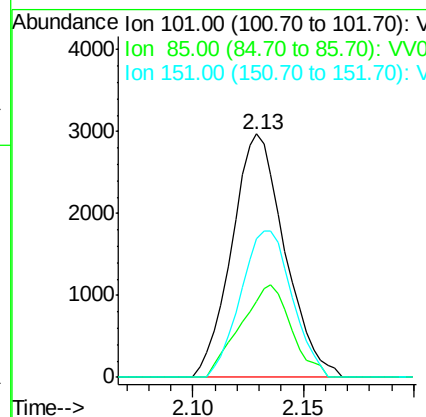
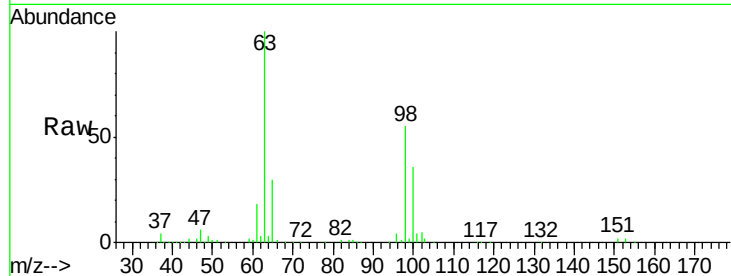
ClientSampleId :

MDL02

Tot Ion:	101	Resp:	4946
Ion Ratio	Lower	Upper	
101	100		
85	36.4	36.9	55.3#
151	58.3	58.2	87.2

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.992 ug/L

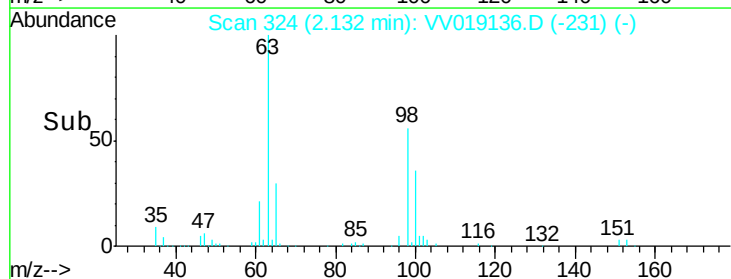
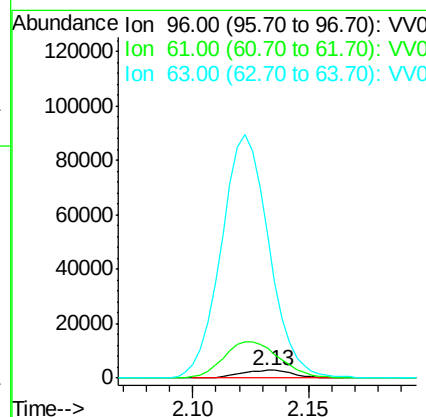
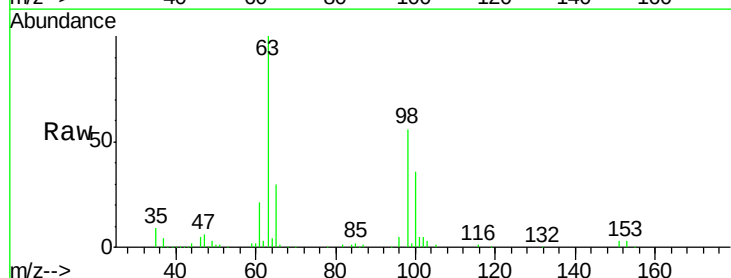
RT: 2.13 min Scan# 324

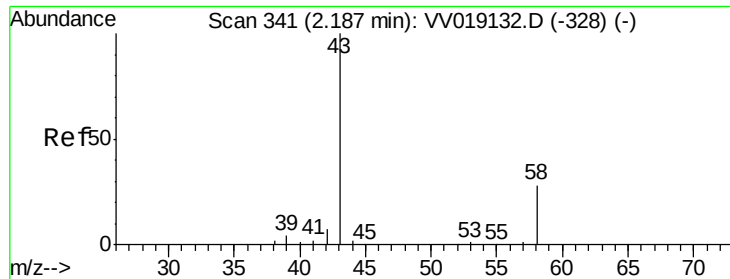
Delta R.T. 0.00 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Tgt Ion:	96	Resp:	4571
Ion Ratio	Lower	Upper	
96	100		
61	380.7	138.7	257.7#
63	1827.2	126.3	234.6#





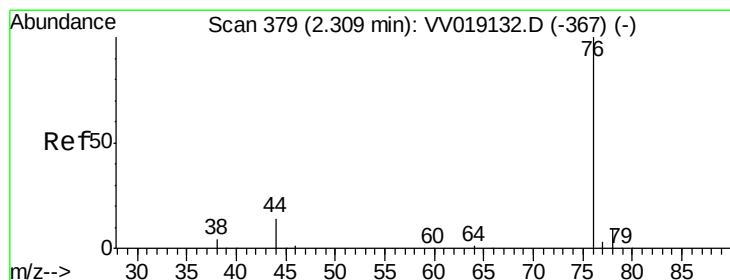
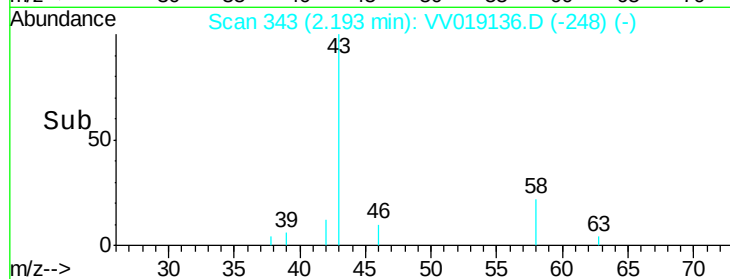
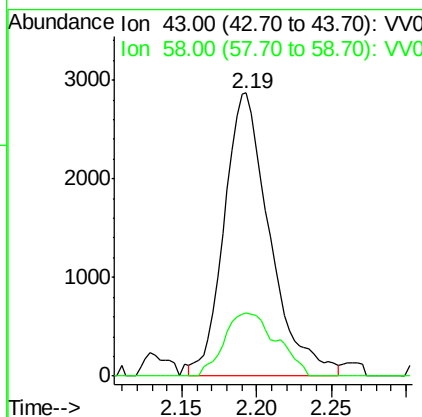
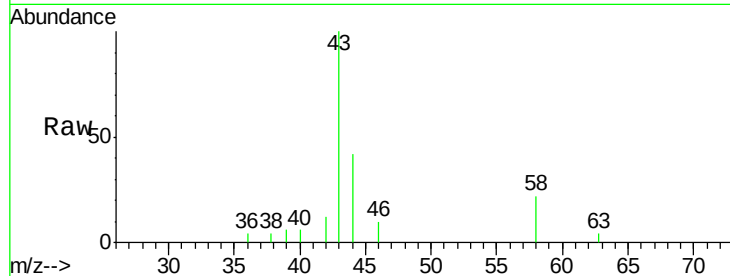
#13
Acetone
Concen: 6.443 ug/L
RT: 2.19 min Scan# 343
Delta R.T. 0.01 min
Lab File: VV019136.D
Acq: 28 Oct 2020 12:35

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion: 43 Resp: 6102
Ion Ratio Lower Upper
43 100
58 21.4 0.0 60.2

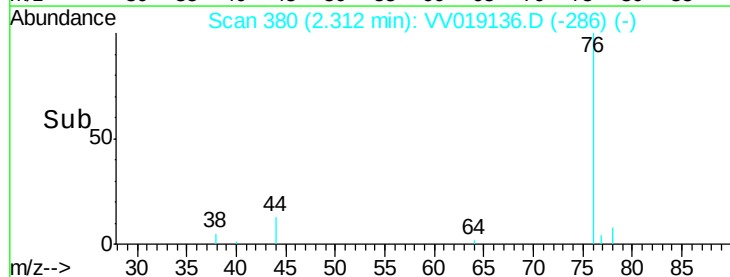
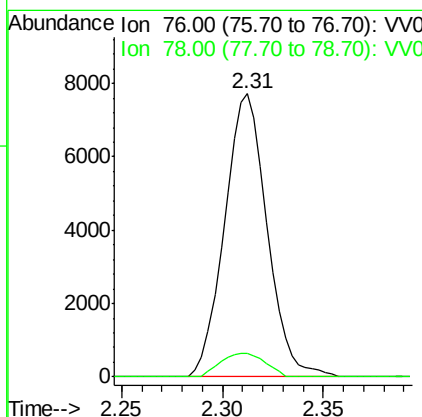
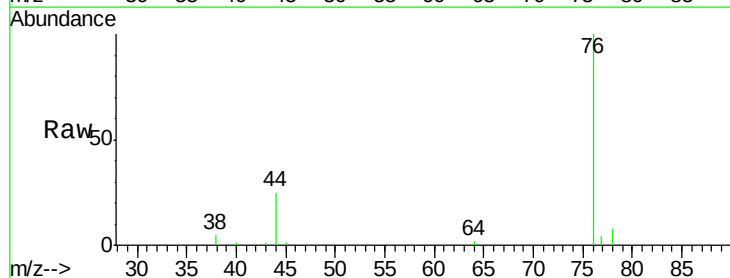
Manual Integrations
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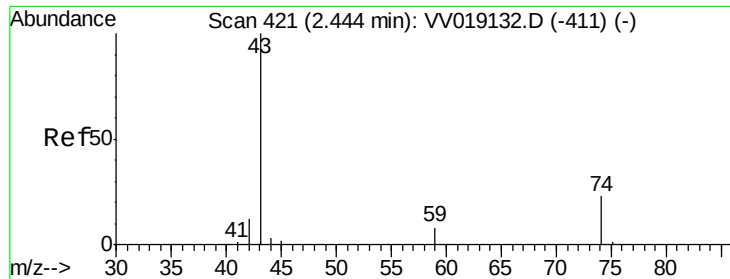
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#14
Carbon disulfide
Concen: 2.261 ug/L
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VV019136.D
Acq: 28 Oct 2020 12:35

Tgt Ion: 76 Resp: 11386
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0





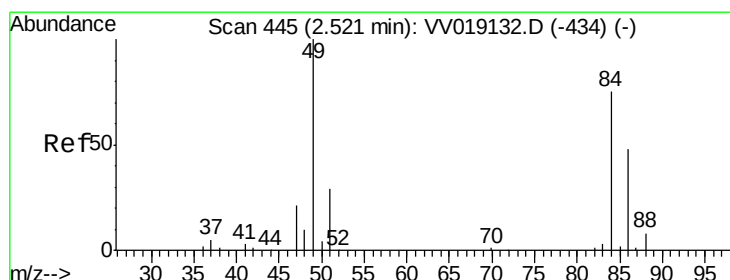
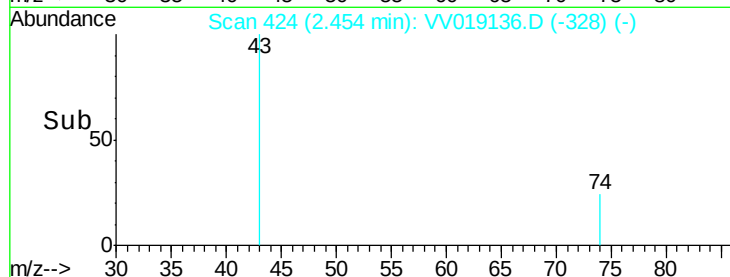
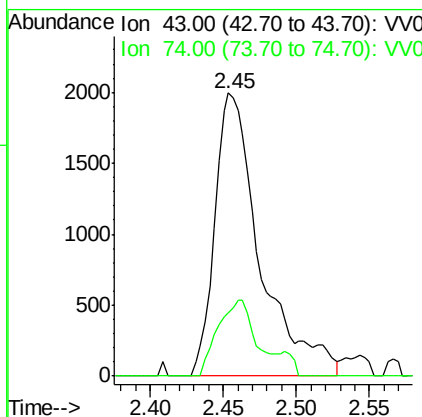
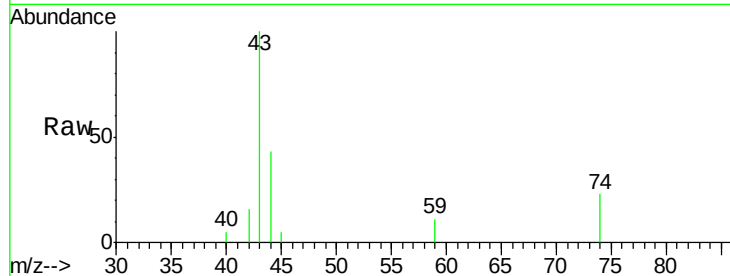
#15
Methvl Acetate
Concen: 2.169 ug/L m
RT: 2.45 min Scan# 424
Delta R.T. 0.01 min
Lab File: VV019136.D
Acq: 28 Oct 2020 12:35

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion: 43 Resp: 4316
Ion Ratio Lower Upper
43 100
74 22.4 16.4 24.6

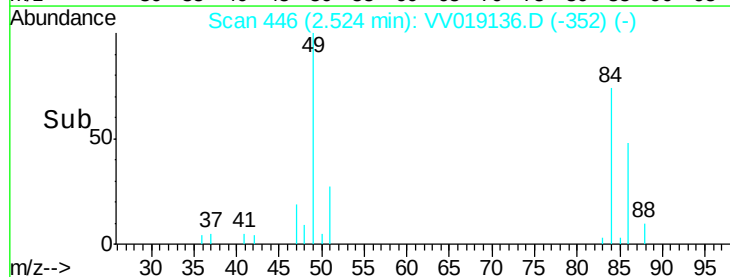
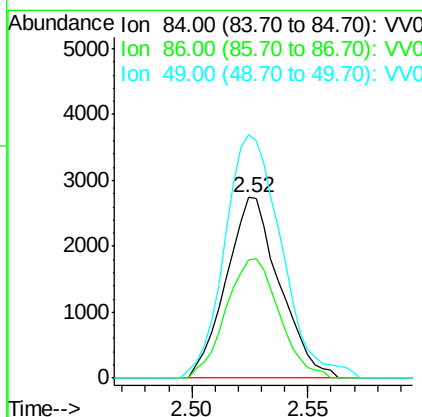
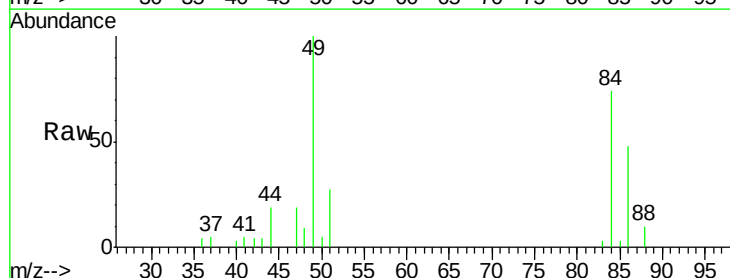
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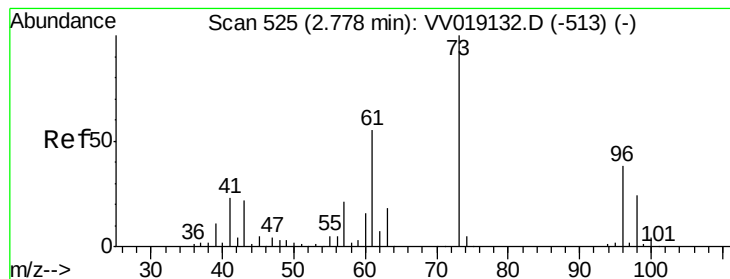
MMDadoda
10/29/2020 2:58:15 PM



#16
Methylene chloride
Concen: 2.463 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019136.D
Acq: 28 Oct 2020 12:35

Tgt Ion: 84 Resp: 4385
Ion Ratio Lower Upper
84 100
86 65.5 44.2 82.2
49 135.0 98.0 182.0





#17

trans-1,2-Dichloroethene

Concen: 2.406 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Instrument :

MSVOA_V

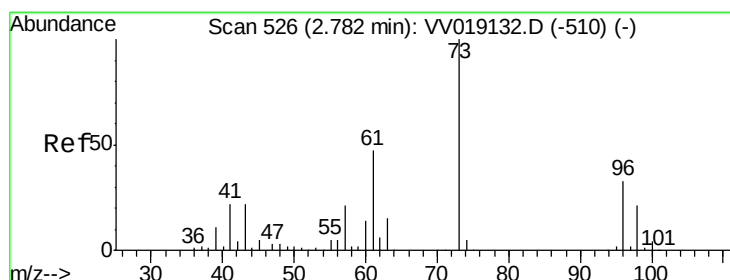
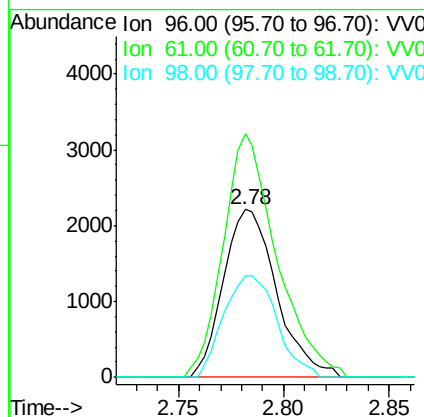
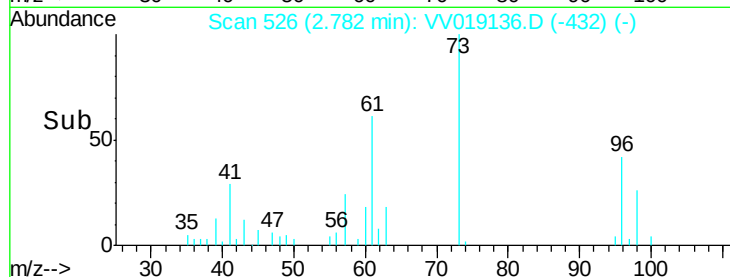
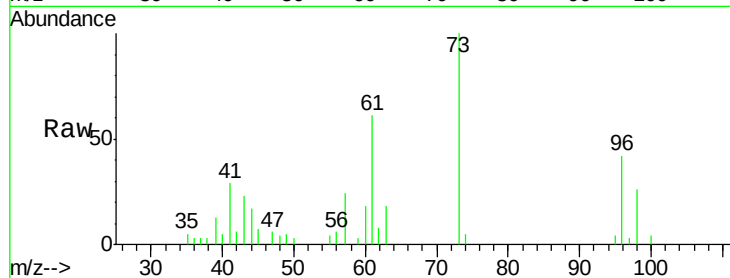
ClientSampled :

MDL02

Tot Ion:	96	Resp:	3884
Ion	Ratio	Lower	Upper
96	100		
61	145.4	108.6	201.8
98	60.5	45.7	84.9

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#18

Methyl tert-butyl Ether

Concen: 2.393 ug/L

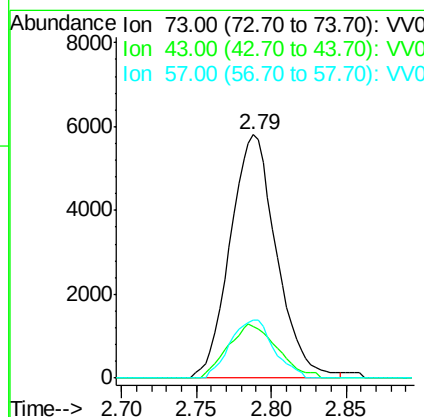
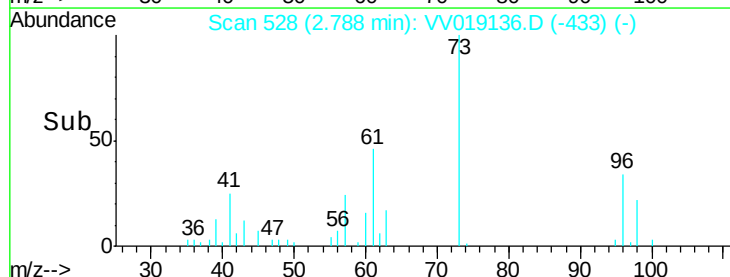
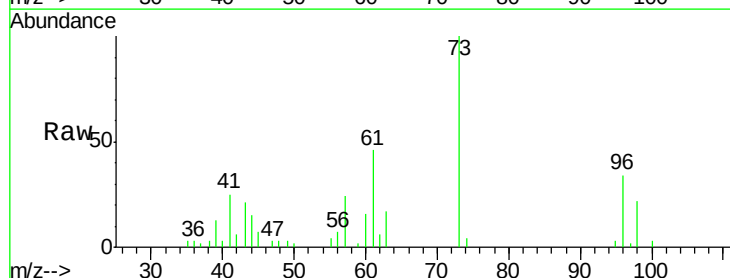
RT: 2.79 min Scan# 528

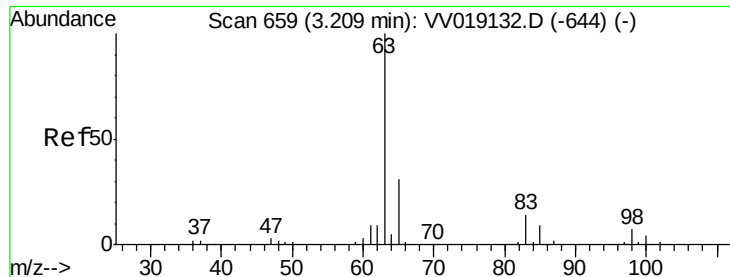
Delta R.T. 0.01 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Tgt Ion:	73	Resp:	12524
Ion	Ratio	Lower	Upper
73	100		
43	23.2	17.2	25.8
57	22.4	18.5	27.7





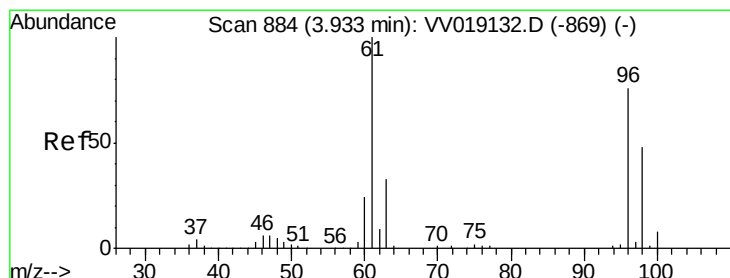
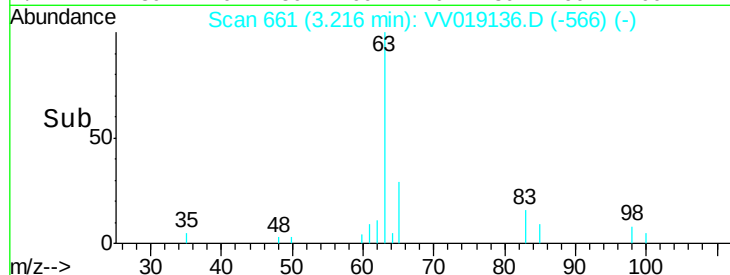
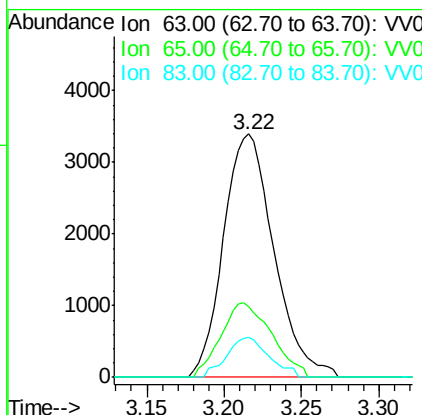
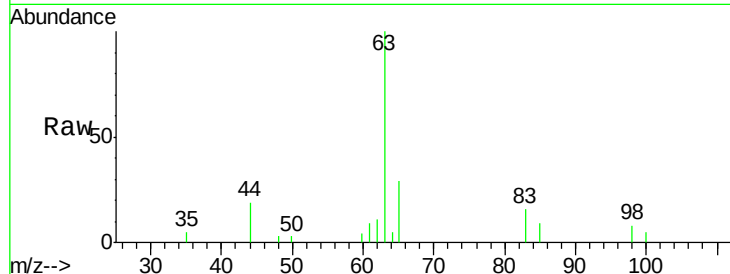
#19
 1,1-Dichloroethane
 Concen: 2.356 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV019136.D
 Acq: 28 Oct 2020 12:35

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.0	22.7	42.1
83	16.5	9.0	16.8

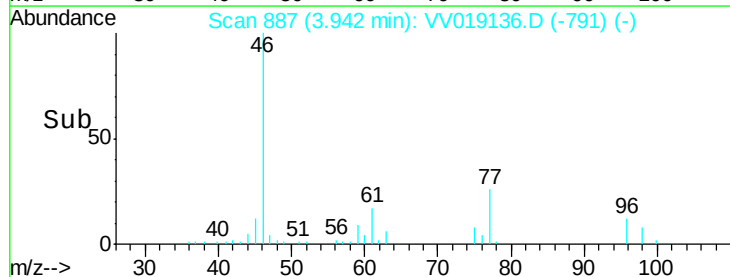
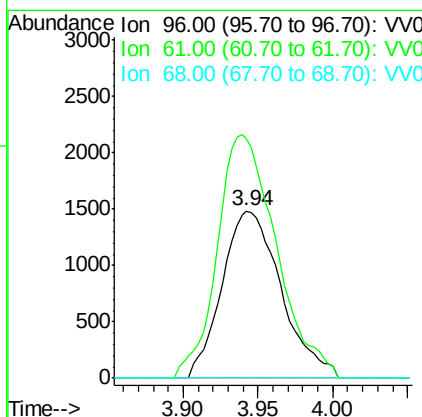
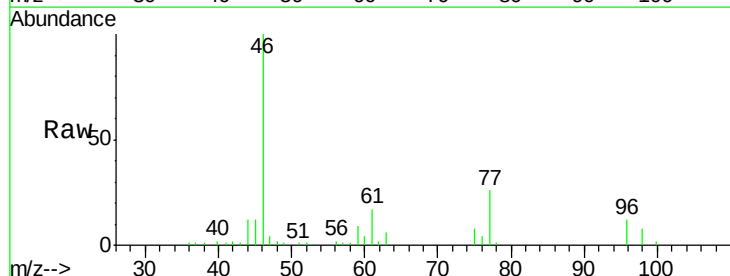
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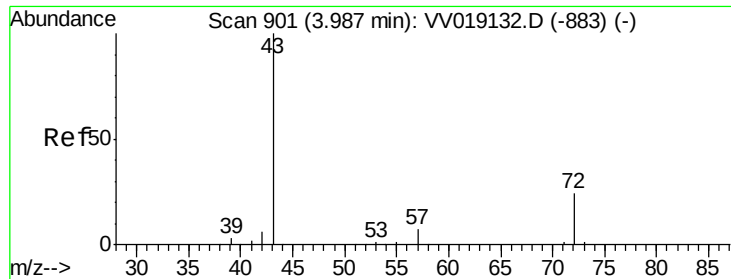
MMDadoda
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#20
 cis-1,2-Dichloroethene
 Concen: 2.359 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV019136.D
 Acq: 28 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.6	99.4	184.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.715 ug/L m

RT: 4.02 min Scan# 912

Delta R.T. 0.04 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 43 Resp: 4823

Ion Ratio Lower Upper

43 100

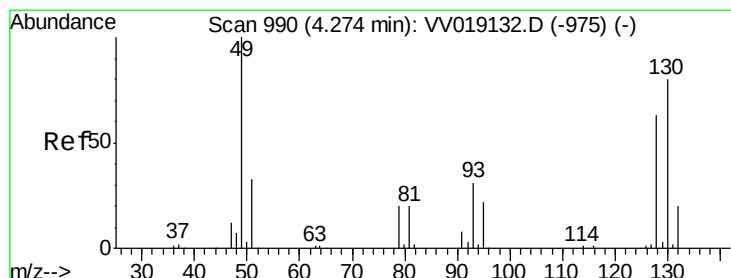
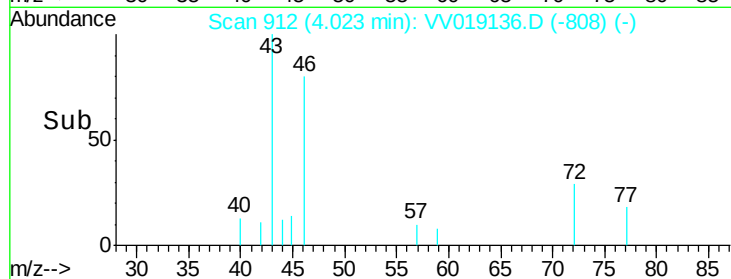
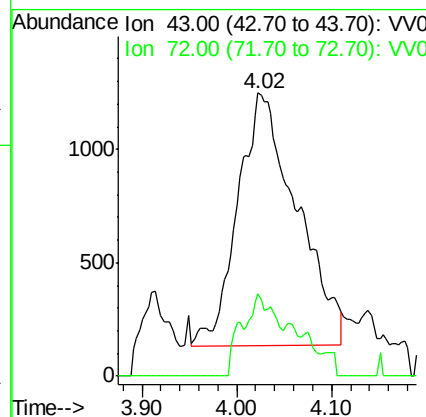
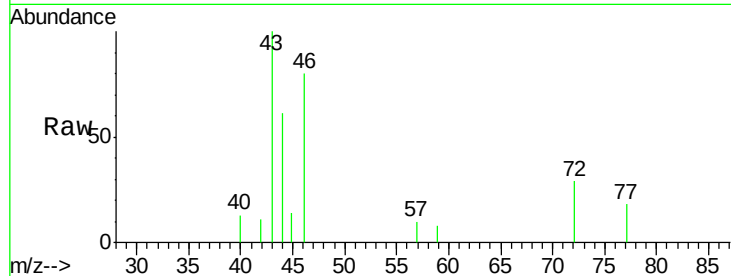
72 4.0 10.8 32.4#

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#23

Bromochloromethane

Concen: 2.527 ug/L m

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Tgt Ion: 128 Resp: 2220

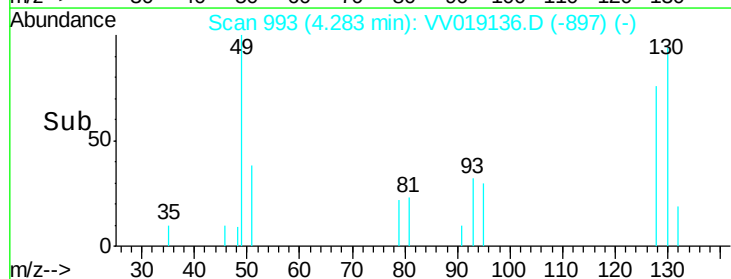
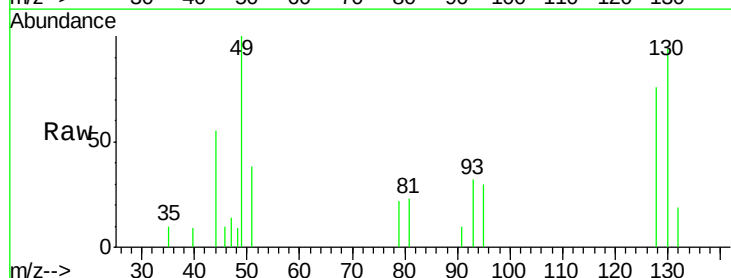
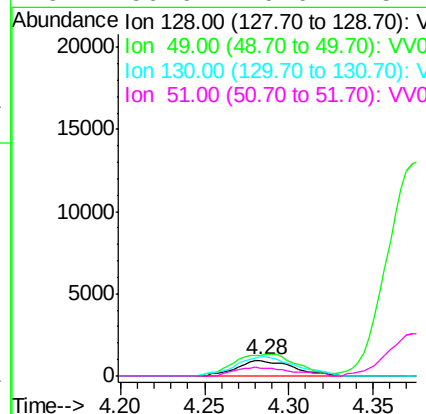
Ion Ratio Lower Upper

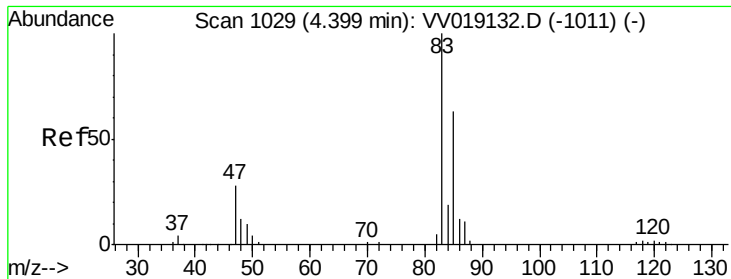
128 100

49 132.1 137.1 254.5#

130 123.9 92.0 170.9

51 50.6 49.0 73.4





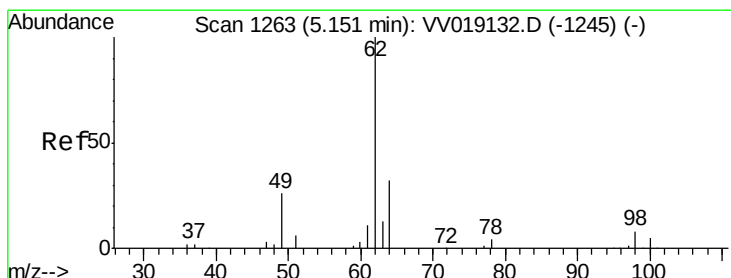
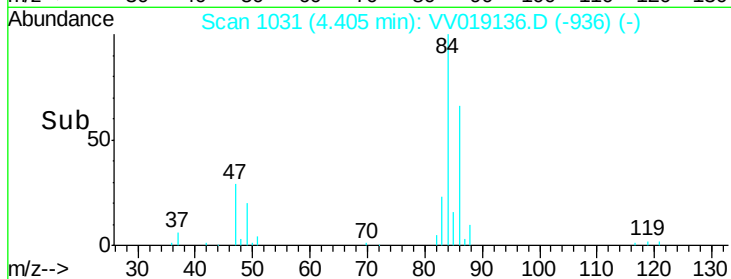
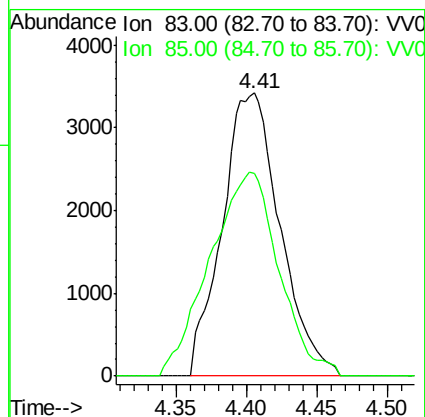
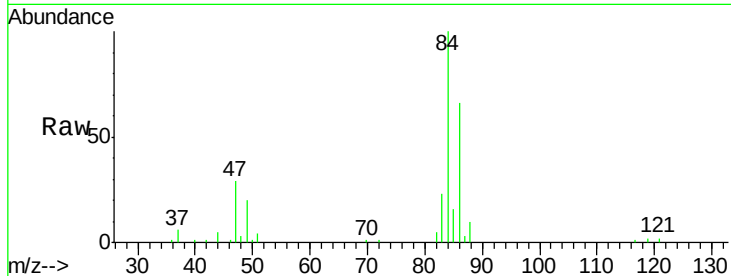
#25
Chloroform
Concen: 3.059 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV019136.D
Acq: 28 Oct 2020 12:35

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	83	Resp	9822
Ion Ratio	100	Lower	Upper
85	71.8	44.5	82.7

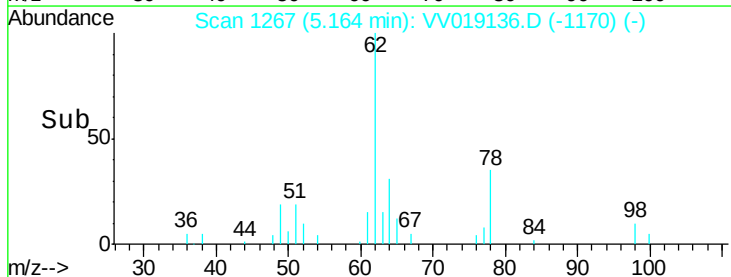
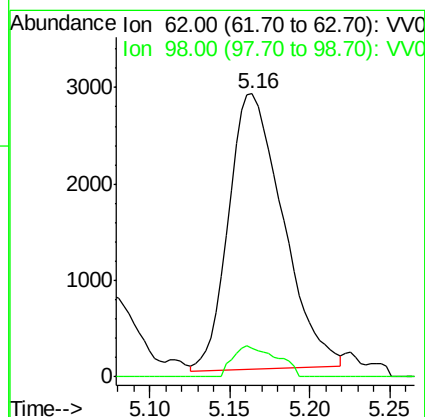
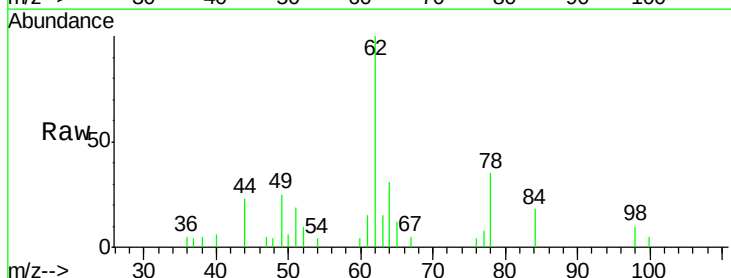
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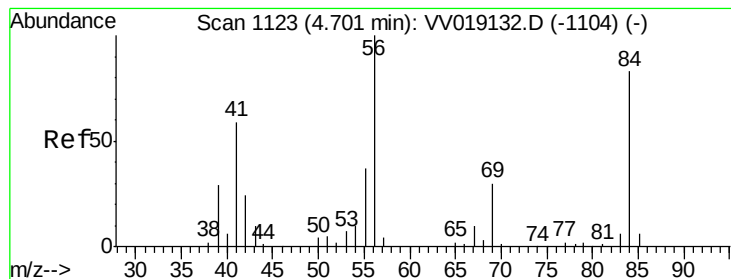
MMDadoda
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#27
1,2-Dichloroethane
Concen: 2.503 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VV019136.D
Acq: 28 Oct 2020 12:35

Tgt Ion	62	Resp	6670
Ion Ratio	100	Lower	Upper
98	10.1	6.9	10.3





#29

Cyclohexane

Concen: 2.096 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Instrument :

MSVOA_V

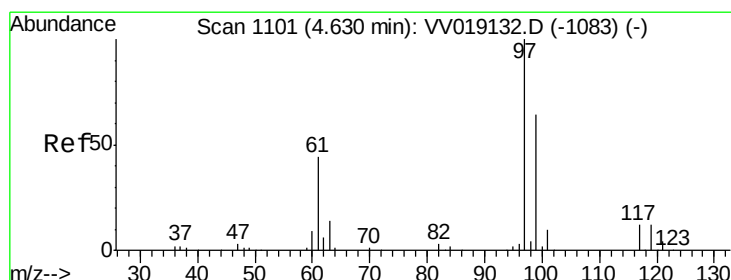
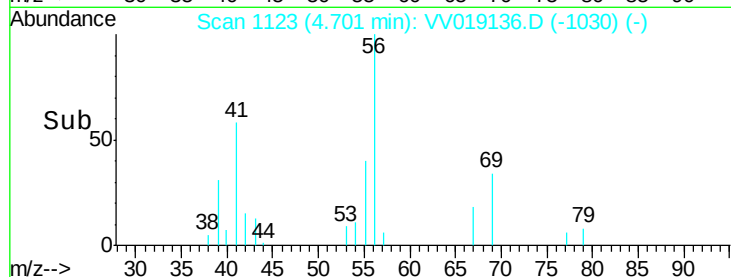
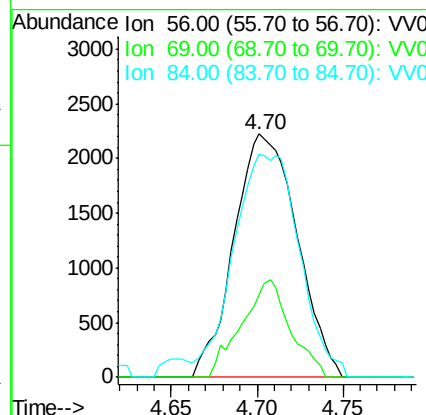
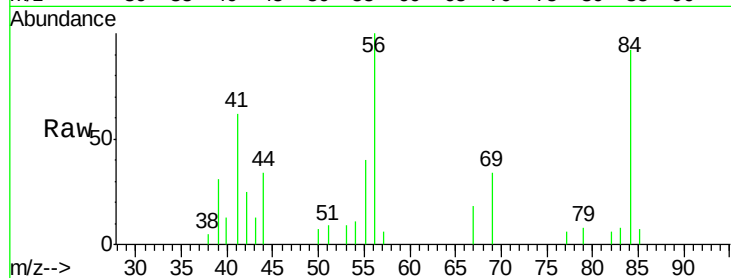
ClientSampled :

MDL02

Tot Ion:	56	Resp:	5661
Ion	Ratio	Lower	Upper
56	100		
69	31.0	22.7	34.1
84	48.8	63.5	95.3#

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#30

1,1,1-Trichloroethane

Concen: 2.653 ug/L

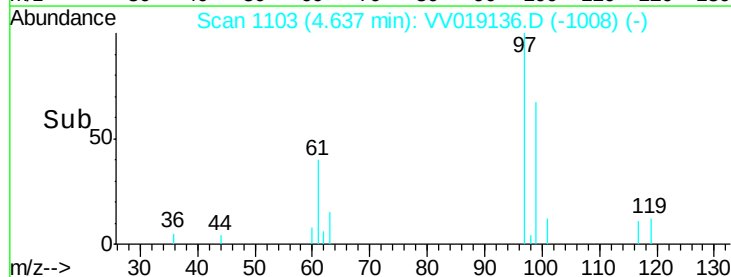
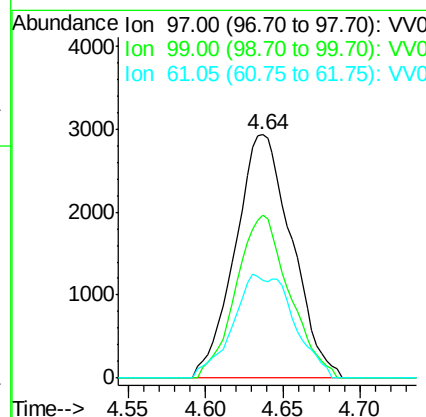
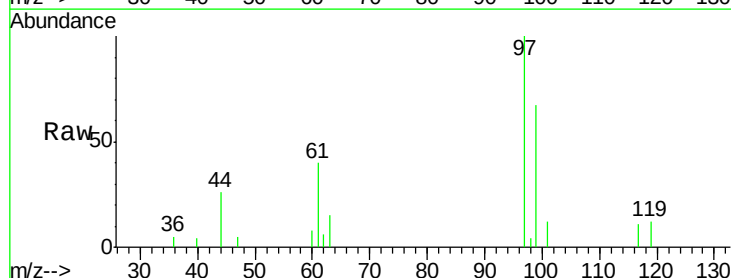
RT: 4.64 min Scan# 1103

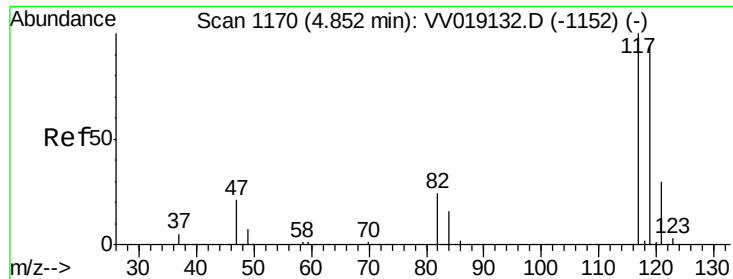
Delta R.T. 0.01 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Tgt Ion:	97	Resp:	7452
Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.5	75.7
61	26.3	38.1	57.1#





#31

Carbon tetrachloride

Concen: 2.530 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion:117 Resp: 6197

Ion Ratio Lower Upper

117 100

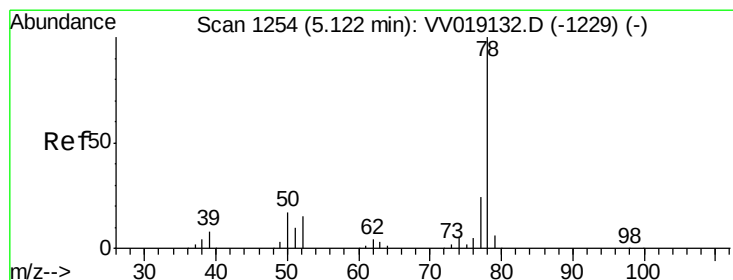
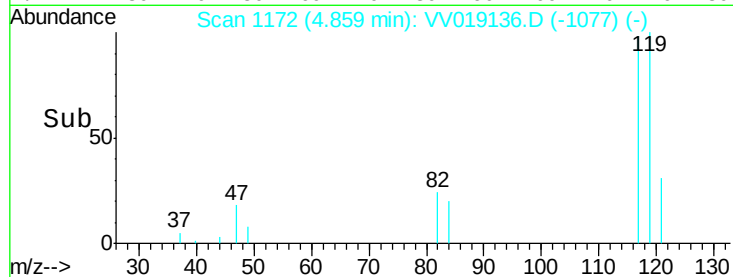
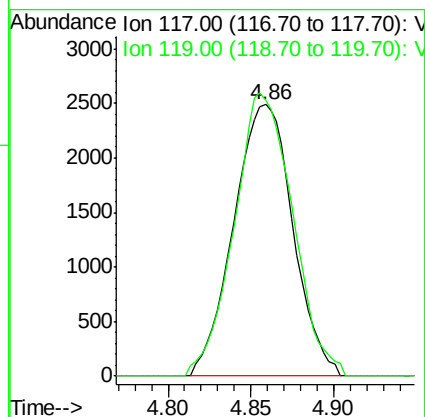
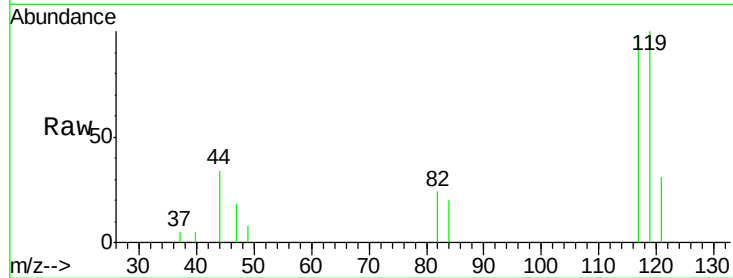
119 103.0 77.2 115.8

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#33

Benzene

Concen: 2.283 ug/L

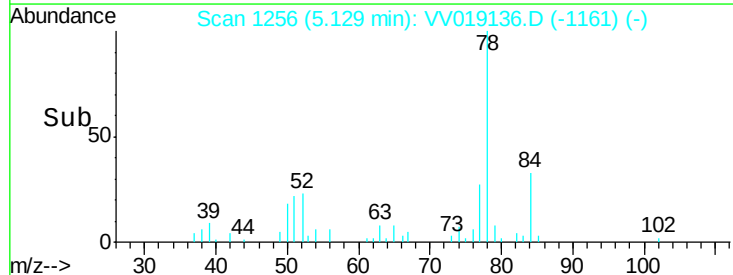
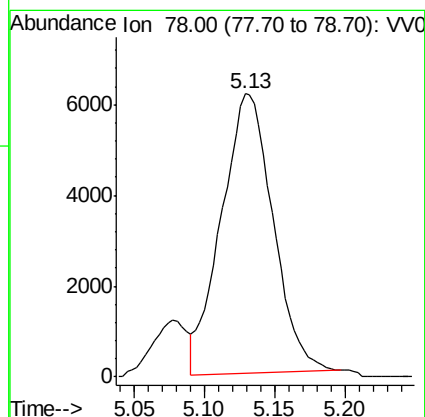
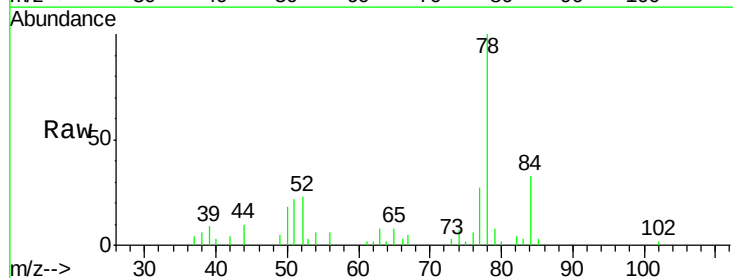
RT: 5.13 min Scan# 1256

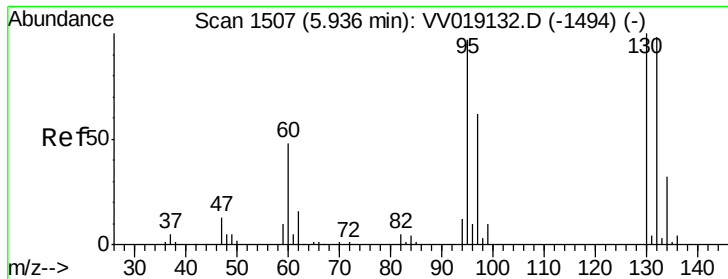
Delta R.T. 0.01 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Tgt Ion: 78 Resp: 15772





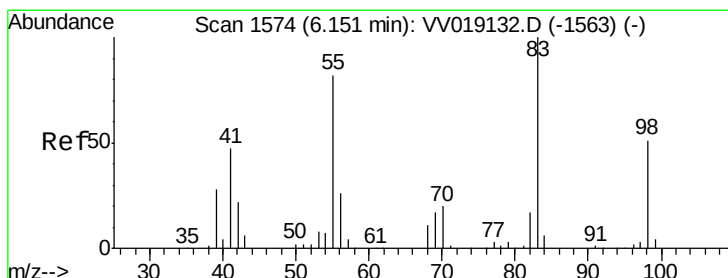
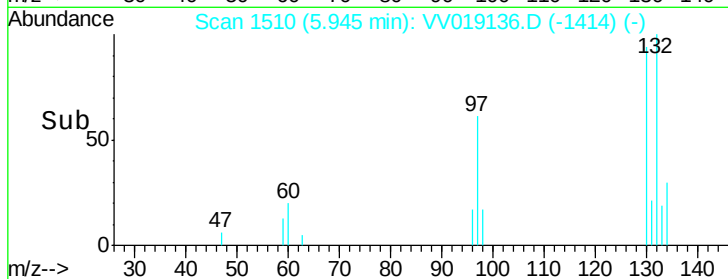
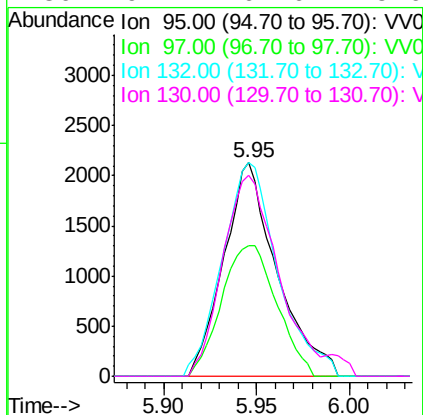
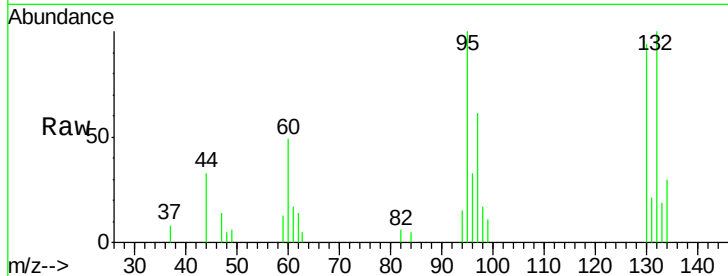
#34
 Trichloroethene
 Concen: 2.429 ug/L
 RT: 5.95 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VV019136.D
 Acq: 28 Oct 2020 12:35

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion:	95	Resp:	4240
Ion	Ratio	Lower	Upper
95	100		
97	61.3	44.6	82.8
132	100.1	66.0	122.6
130	94.4	67.6	125.6

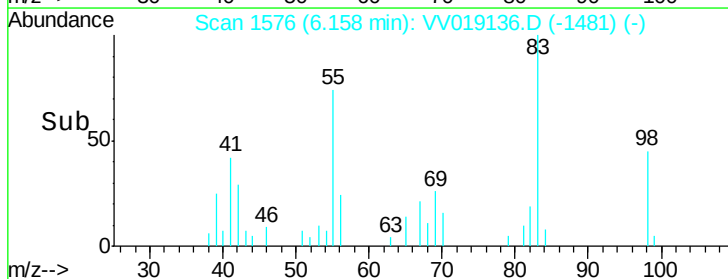
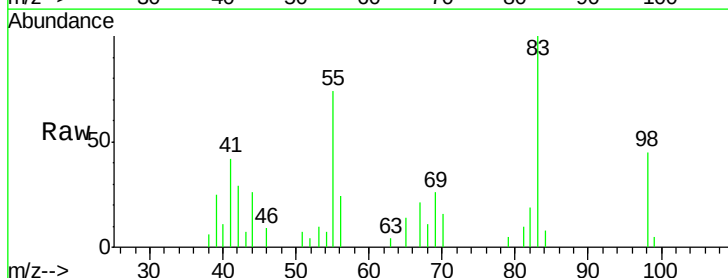
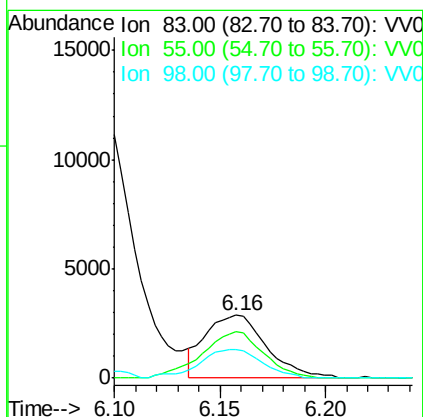
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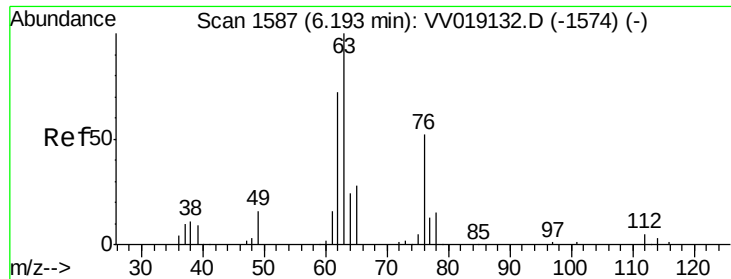
MMDadoda
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#35
 Methylcyclohexane
 Concen: 2.424 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VV019136.D
 Acq: 28 Oct 2020 12:35

Tgt Ion:	83	Resp:	5789
Ion	Ratio	Lower	Upper
83	100		
55	74.1	68.1	102.1
98	46.9	37.9	56.9





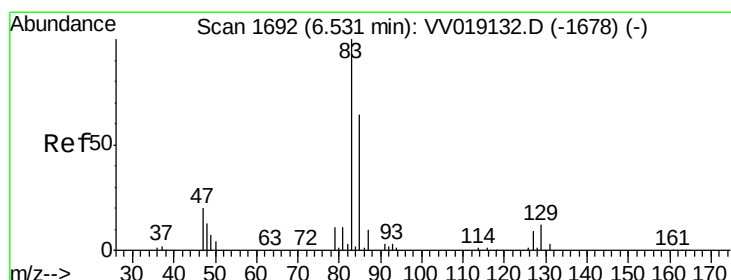
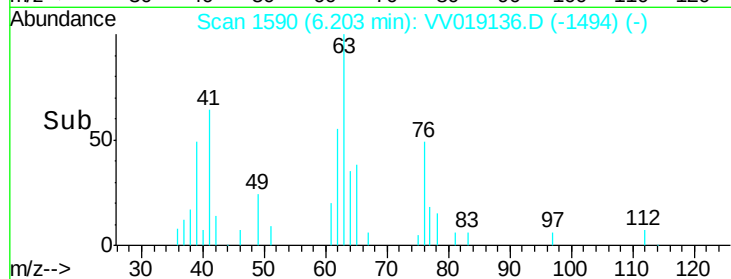
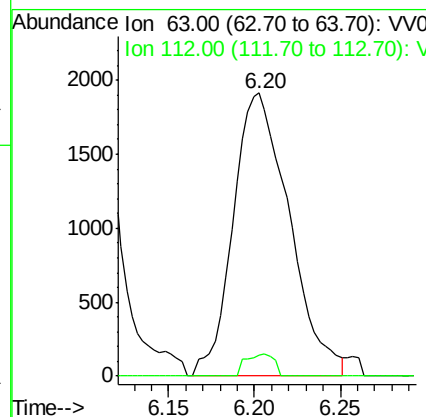
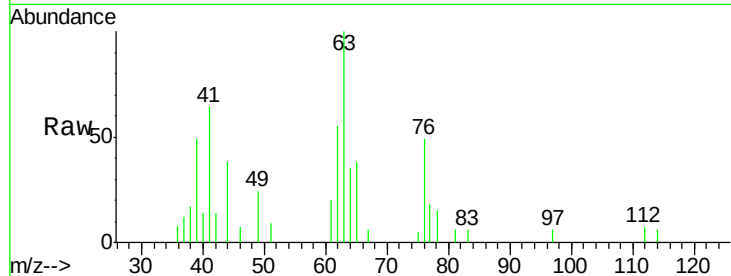
#37
 1,2-Dichloropropane
 Concen: 2.290 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV019136.D
 Acq: 28 Oct 2020 12:35

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion: 63 Resp: 4355
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#

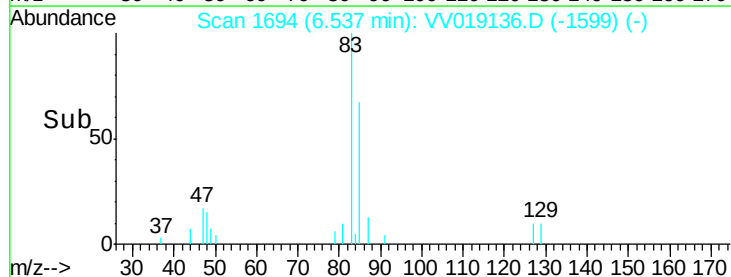
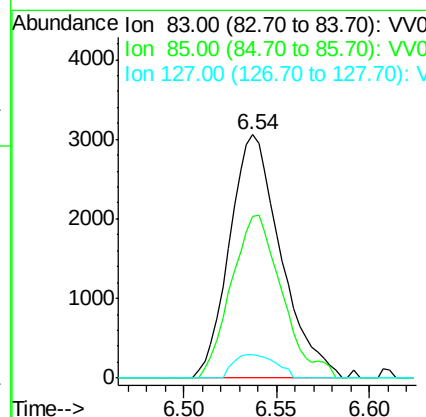
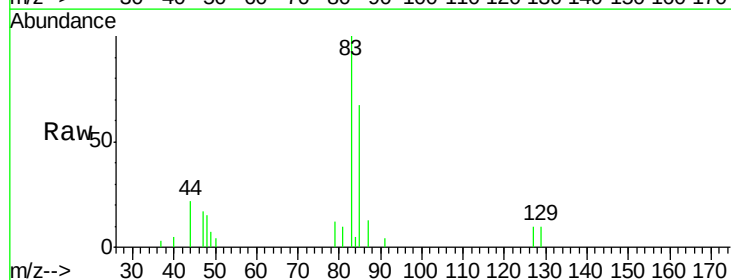
Manual Integrations
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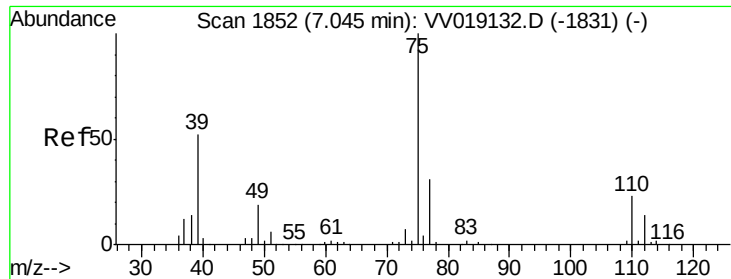
MMDadoda
 10/29/2020 2:58:15 PM



#38
 Bromodichloromethane
 Concen: 2.449 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV019136.D
 Acq: 28 Oct 2020 12:35

Tgt Ion: 83 Resp: 5892
 Ion Ratio Lower Upper
 83 100
 85 66.5 44.9 83.3
 127 9.7 7.0 10.4





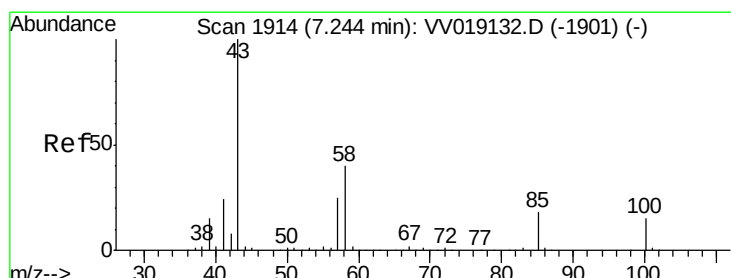
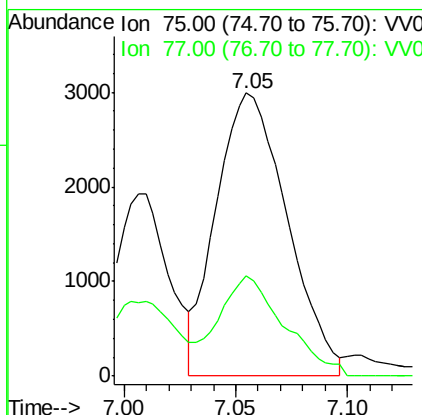
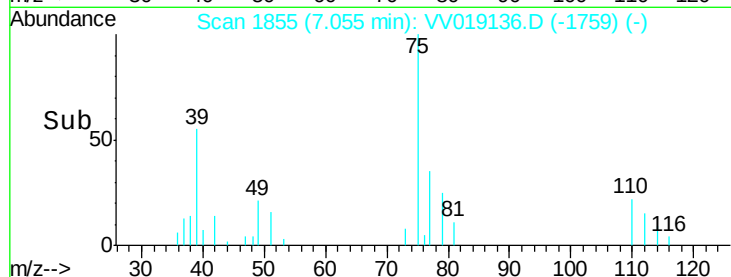
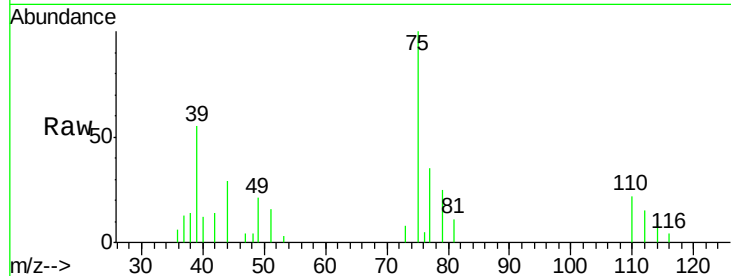
#39
 cis-1,3-Dichloropropene
 Concen: 2.341 ug/L m
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV019136.D
 Acq: 28 Oct 2020 12:35

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion: 75 Resp: 6579
 Ion Ratio Lower Upper
 75 100
 77 35.2 22.1 41.1

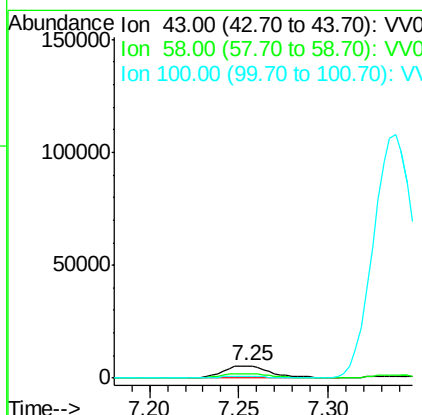
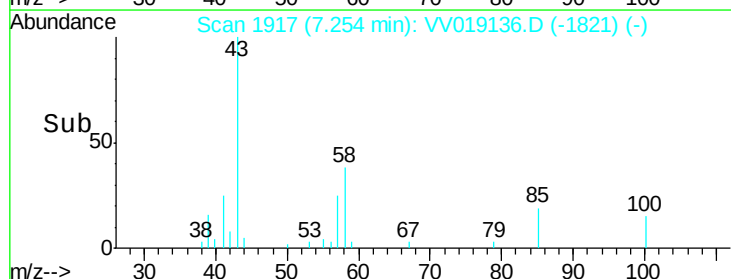
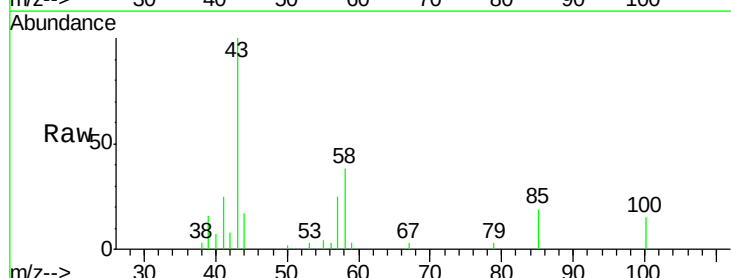
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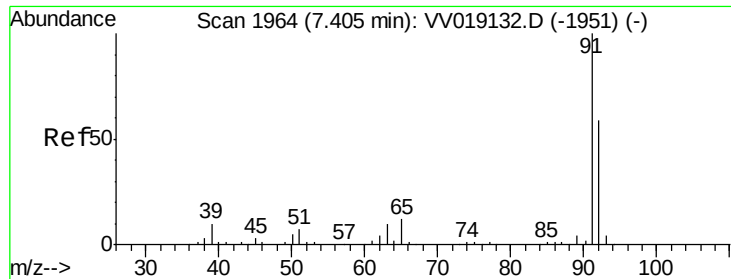
MMDadoda
 10/29/2020 2:58:15 PM



#40
 4-Methyl-2-pentanone
 Concen: 4.028 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VV019136.D
 Acq: 28 Oct 2020 12:35

Tgt Ion: 43 Resp: 10334
 Ion Ratio Lower Upper
 43 100
 58 38.0 29.6 44.4
 100 15.0 10.9 16.3





#42

Toluene

Concen: 2.429 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.01 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 91 Resp: 17220

Ion Ratio Lower Upper

91 100

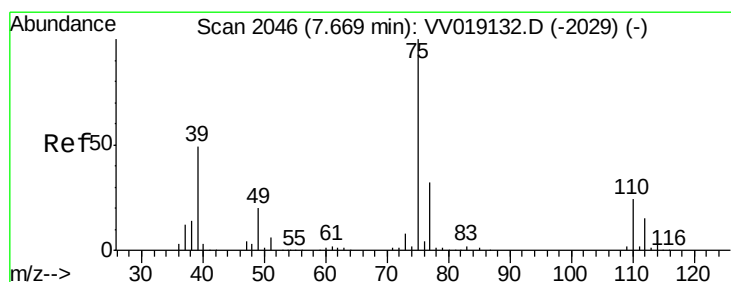
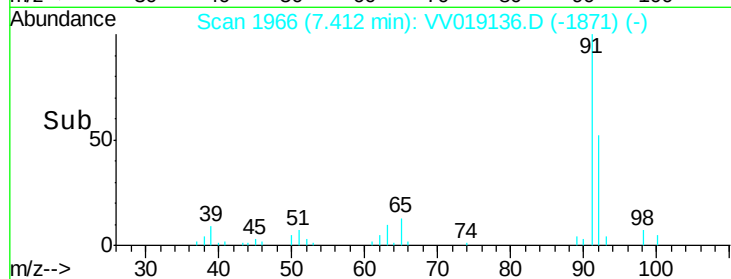
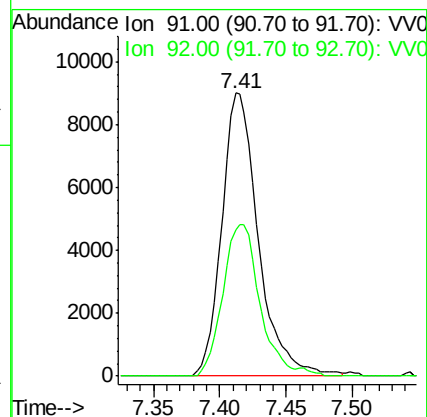
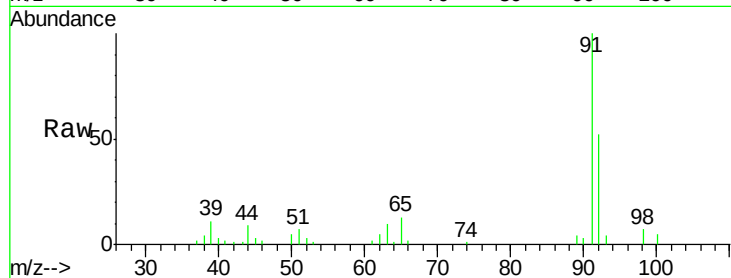
92 51.9 40.9 76.0

Manual Integrations

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MMDadoda

10/29/2020 2:58:15 PM



#44

trans-1,3-Dichloropropene

Concen: 2.429 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019136.D

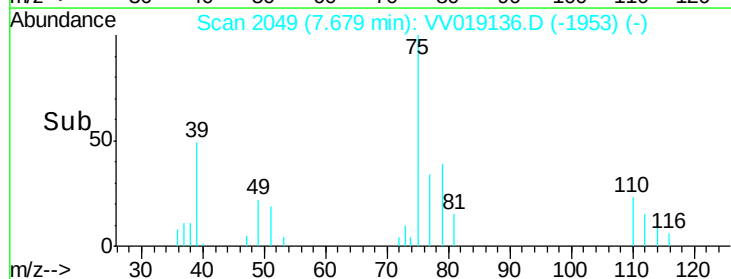
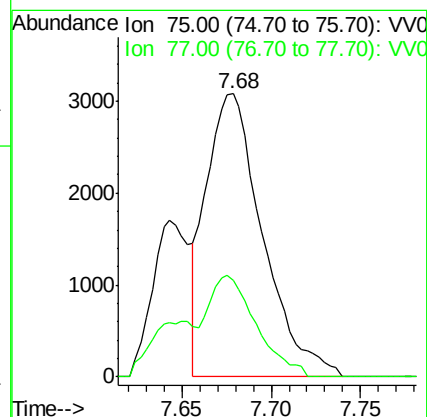
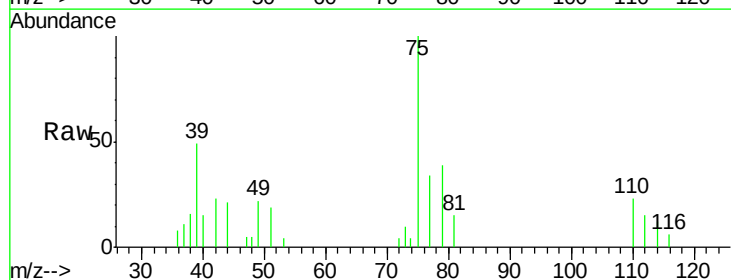
Acq: 28 Oct 2020 12:35

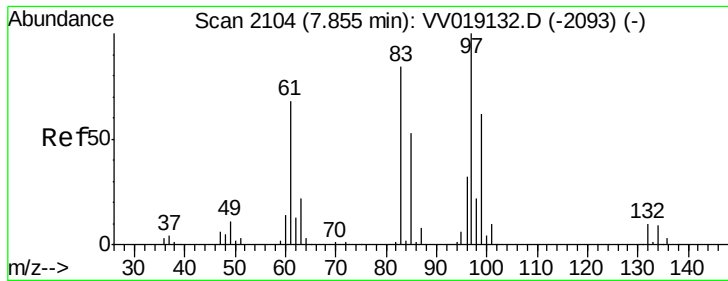
Tgt Ion: 75 Resp: 6771

Ion Ratio Lower Upper

75 100

77 34.2 21.5 39.9





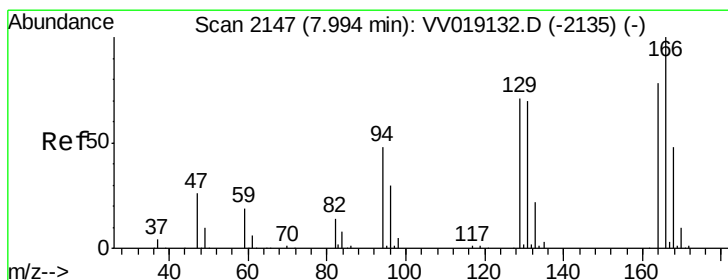
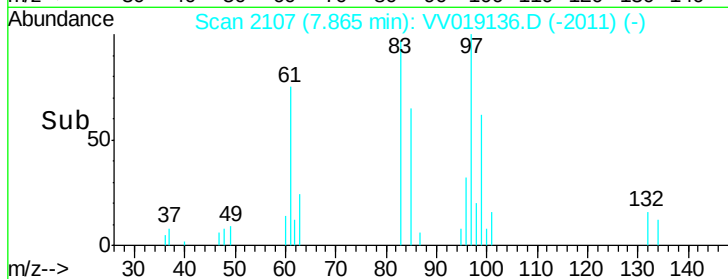
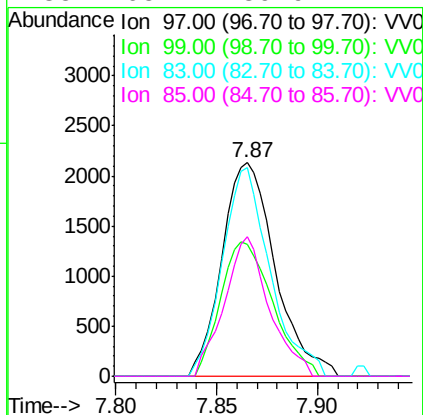
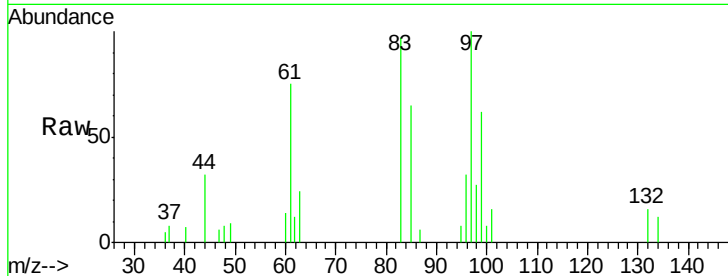
#45
1,1,2-Trichloroethane
Concen: 2.351 ug/L
RT: 7.87 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV019136.D
Acq: 28 Oct 2020 12:35

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion:	97	Resp:	3948
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.5	80.9
83	97.4	62.2	115.4
85	65.4	39.9	74.1

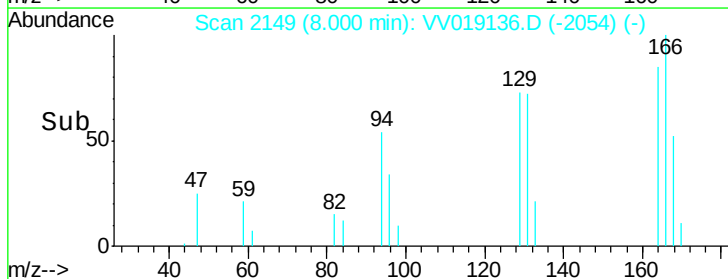
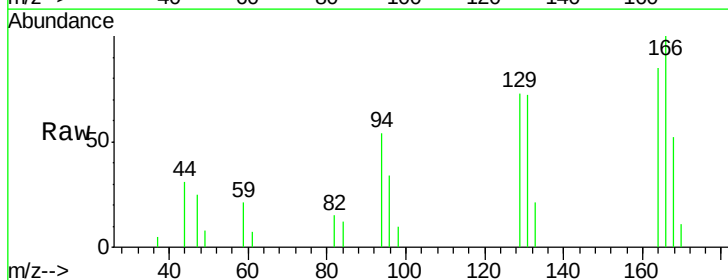
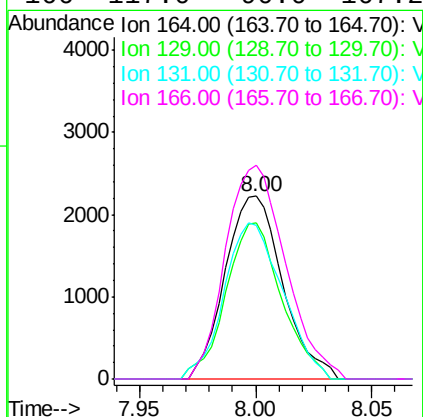
Manual Integrations
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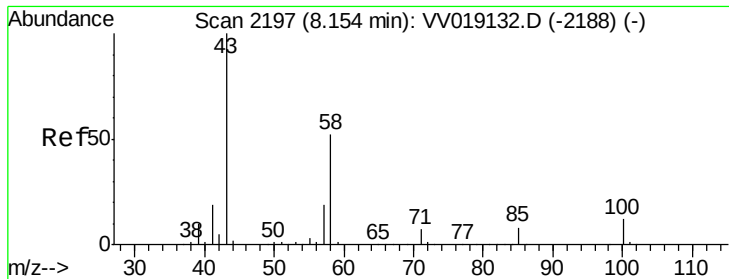
MMDadoda
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#46
Tetrachloroethene
Concen: 2.873 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.01 min
Lab File: VV019136.D
Acq: 28 Oct 2020 12:35

Tgt Ion:	164	Resp:	3848
Ion	Ratio	Lower	Upper
164	100		
129	85.5	65.5	121.6
131	84.3	62.4	115.8
166	117.0	90.0	167.2





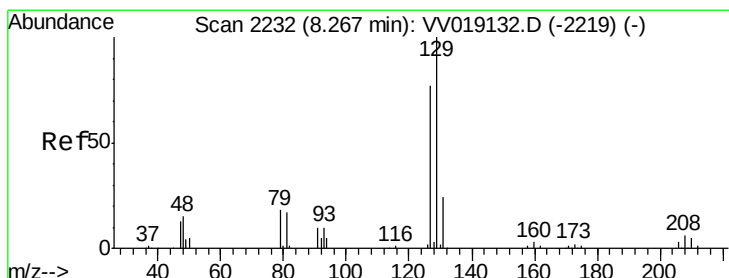
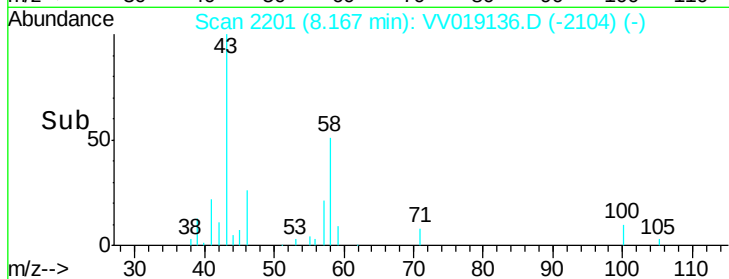
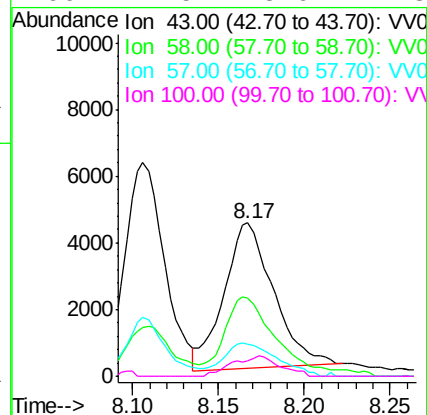
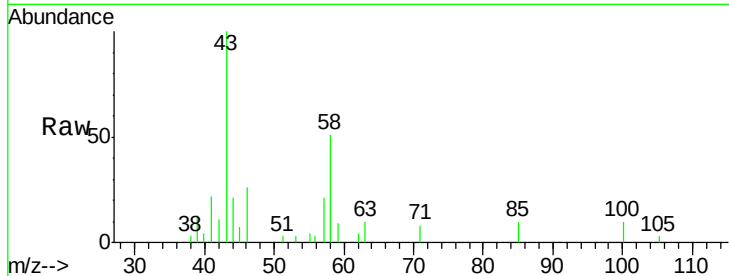
#48
2-Hexanone
Concen: 4.458 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV019136.D
Acq: 28 Oct 2020 12:35

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
58	58	56.4	41.1	61.7
57	57	24.3	14.7	22.1
100	100	4.5	8.6	12.8

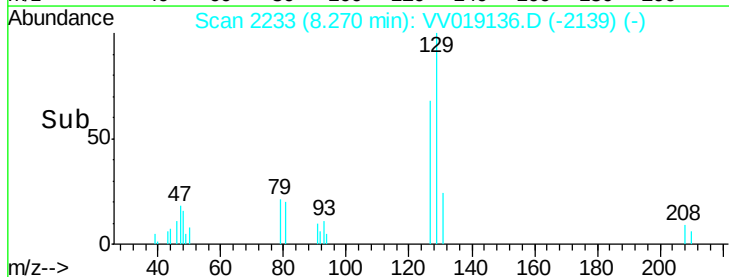
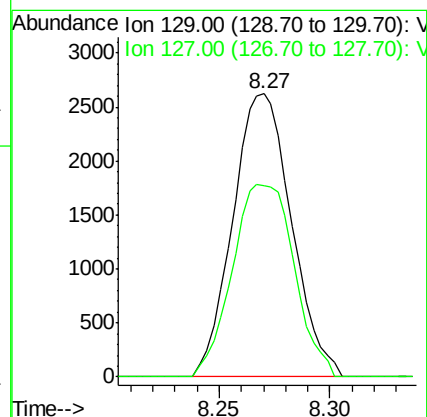
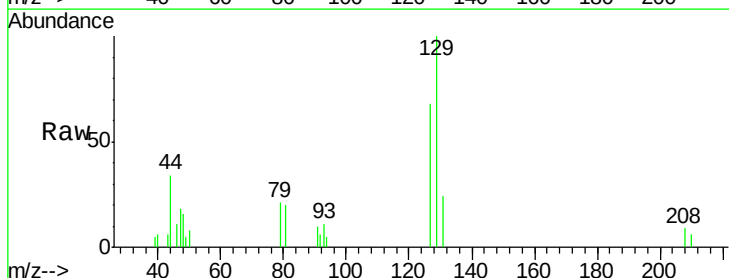
Manual Integrations
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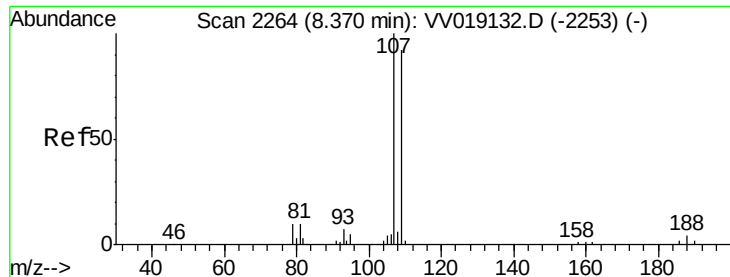
MMDadoda
10/29/2020 2:58:15 PM



#49
Dibromochloromethane
Concen: 2.633 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV019136.D
Acq: 28 Oct 2020 12:35

Tgt Ion	Ion	Ratio	Lower	Upper
129	129	100		
127	127	67.7	53.7	99.7





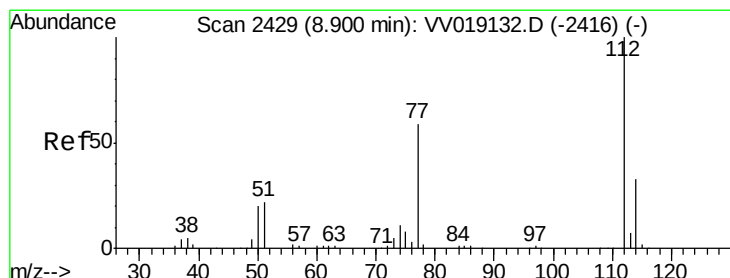
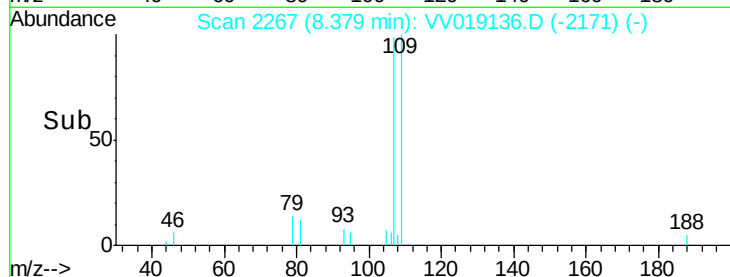
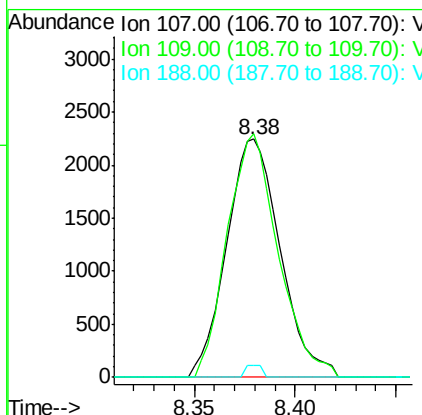
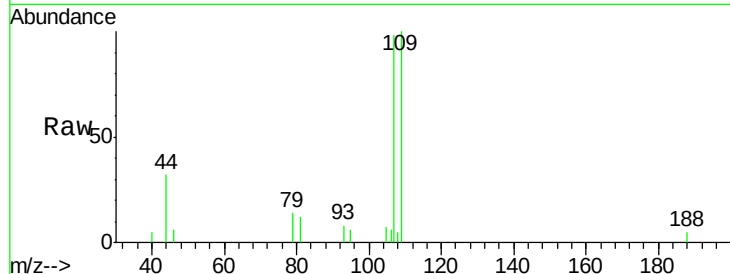
#50
 1,2-Dibromoethane
 Concen: 2.394 ug/L
 RT: 8.38 min Scan# 2267
 Delta R.T. 0.01 min
 Lab File: VV019136.D
 Acq: 28 Oct 2020 12:35

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
107	100		
109	102.3	66.1	122.7
188	5.1	3.2	4.8#

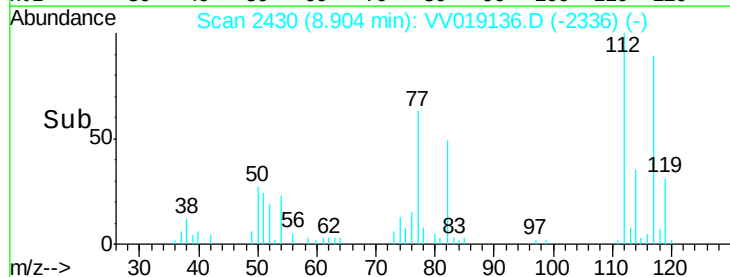
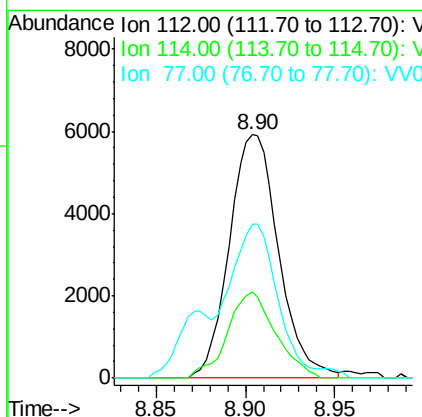
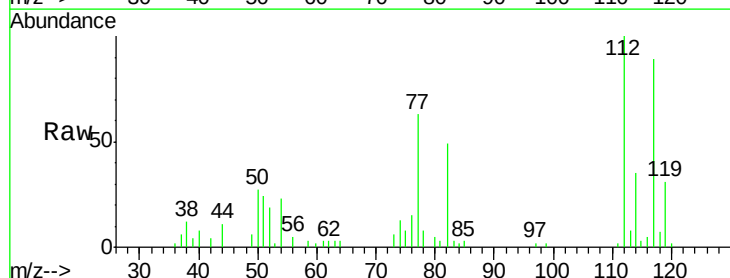
Manual Integrations
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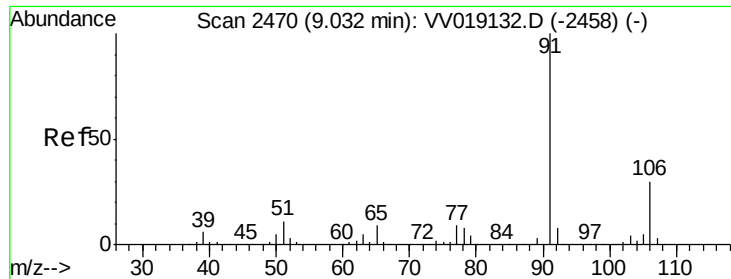
MMDadoda
 10/29/2020 2:58:15 PM



#51
 Chlorobenzene
 Concen: 2.508 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV019136.D
 Acq: 28 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	35.3	22.2	41.2
77	63.2	49.1	73.7





#52

Ethylbenzene

Concen: 2.270 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Tot Ion: 91 Resp: 17403

Ion Ratio Lower Upper

91 100

106 32.4 20.9 38.7

Instrument :

MSVOA_V

ClientSampled :

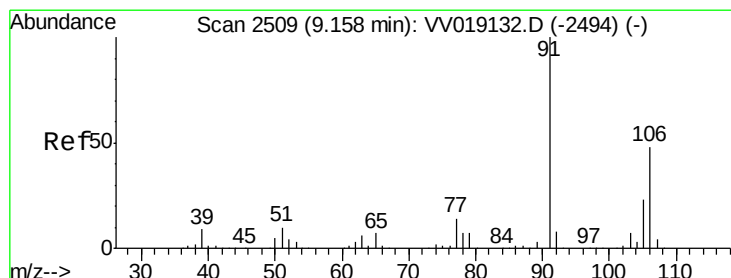
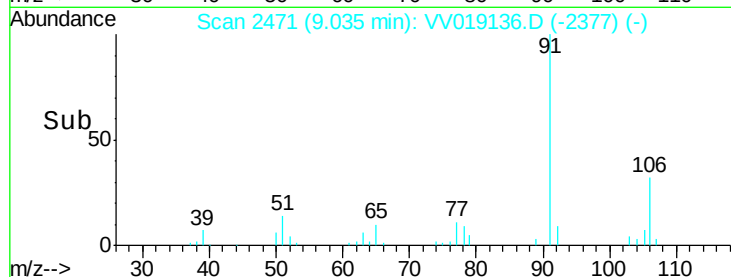
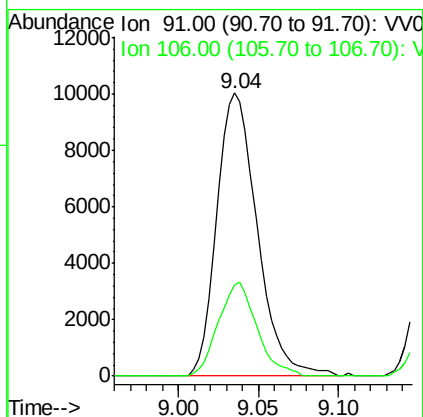
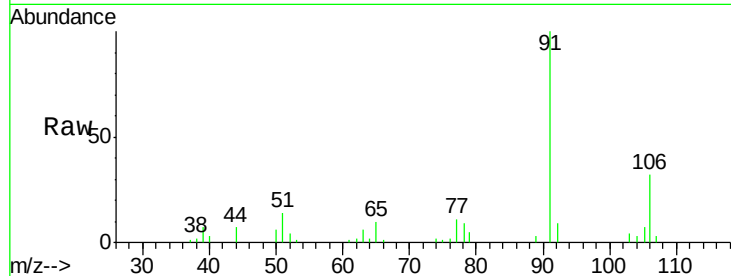
MDL02

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#53

m,p-Xylene

Concen: 2.407 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV019136.D

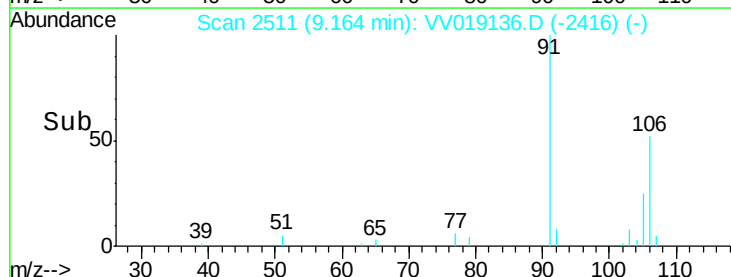
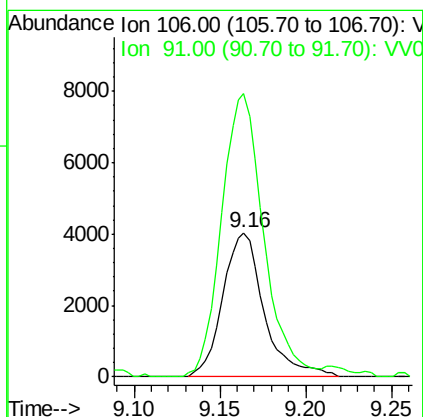
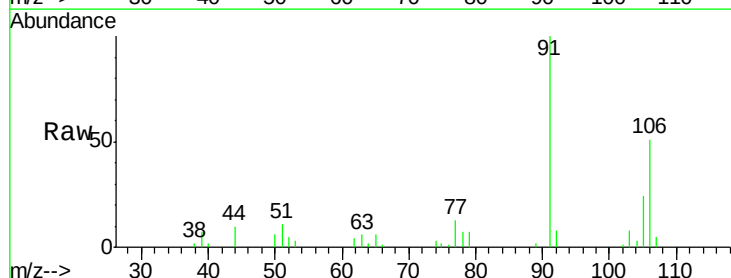
Acq: 28 Oct 2020 12:35

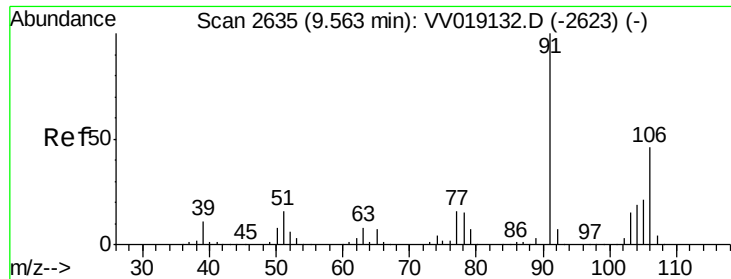
Tgt Ion: 106 Resp: 6756

Ion Ratio Lower Upper

106 100

91 196.0 143.4 266.2





#54

o-xylene

Concen: 2.372 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion:106 Resp: 6409

Ion Ratio Lower Upper

106 100

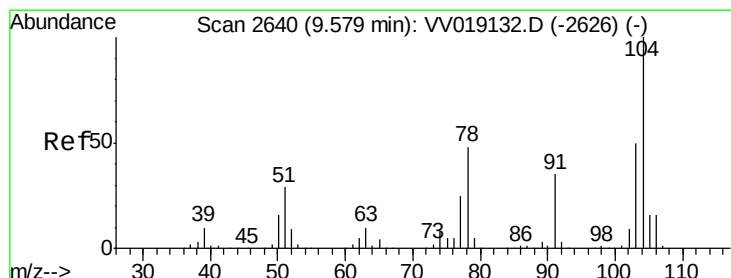
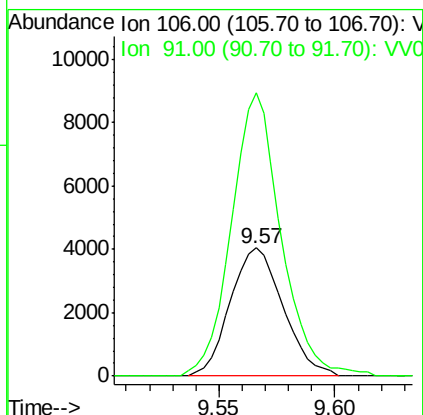
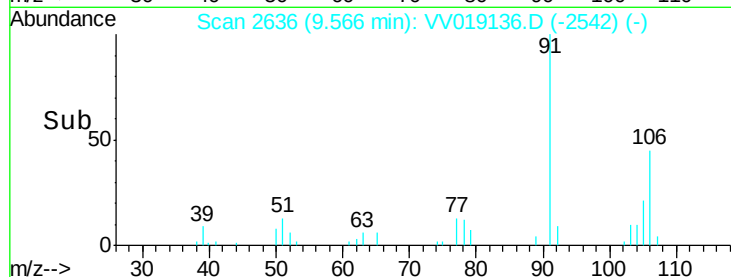
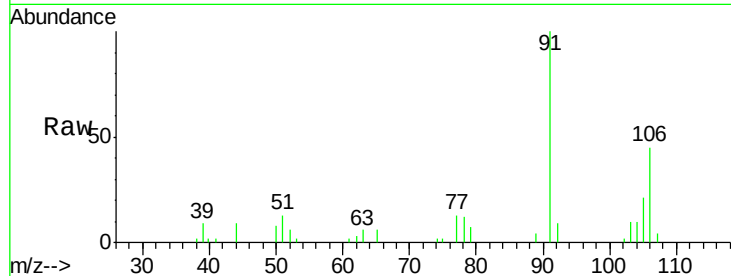
91 220.6 154.3 286.5

Manual Integrations

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#55

Styrene

Concen: 2.107 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV019136.D

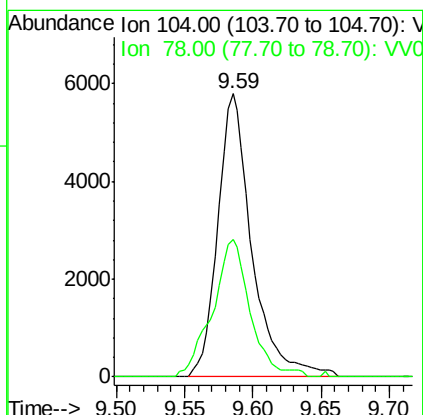
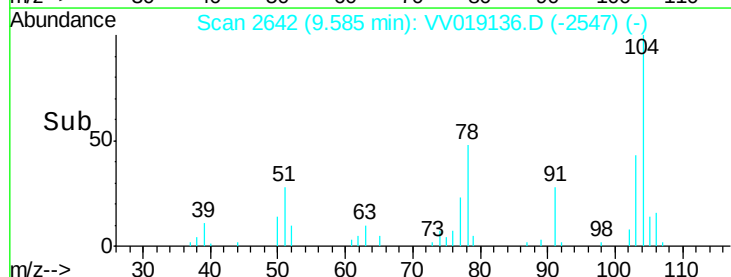
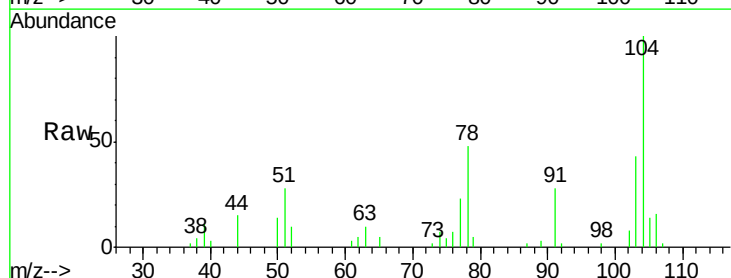
Acq: 28 Oct 2020 12:35

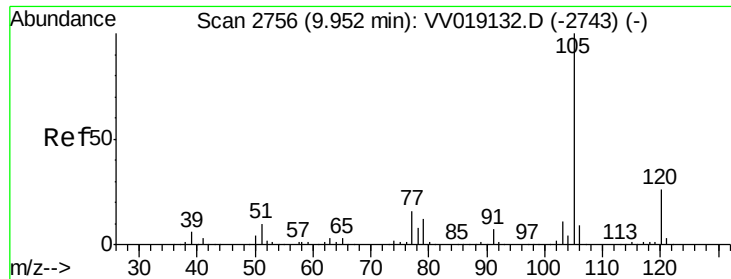
Tgt Ion:104 Resp: 10098

Ion Ratio Lower Upper

104 100

78 48.4 33.2 61.7





#56

Isopropylbenzene

Concen: 2.252 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Instrument :

MSVOA_V

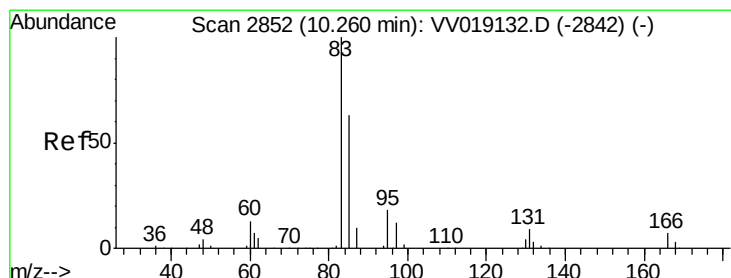
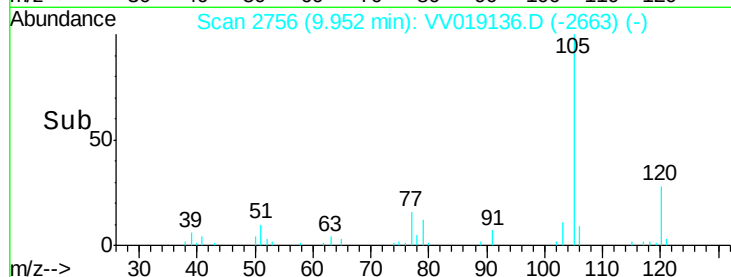
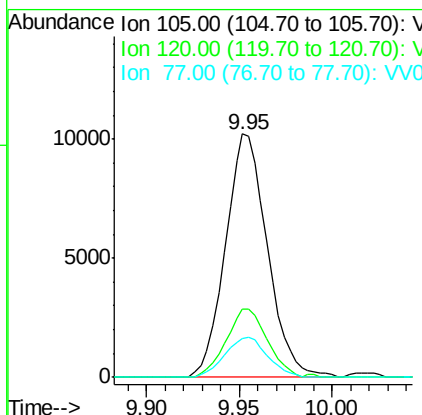
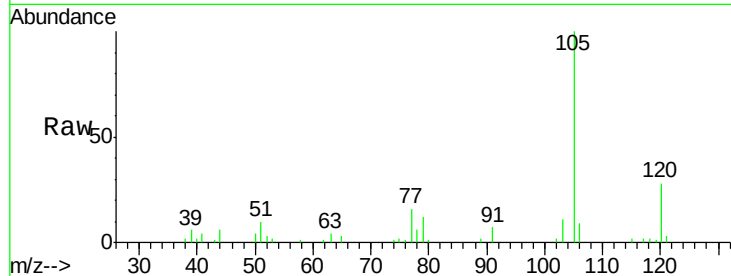
ClientSampleId :

MDL02

Tot Ion:	105	Resp:	16000
Ion Ratio	Lower	Upper	
105	100		
120	27.5	20.6	31.0
77	16.9	13.4	20.0

Manual Integrations
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10/29/2020 2:58:15 PM



#58

1,1,2,2-Tetrachloroethane

Concen: 2.406 ug/L

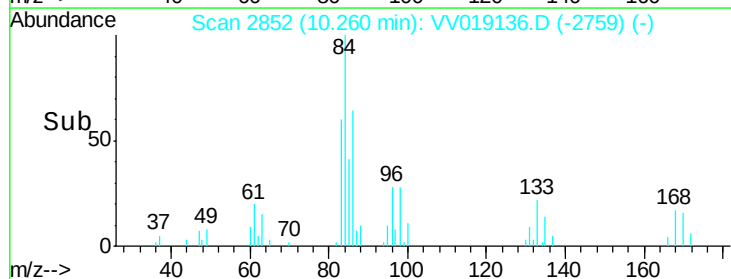
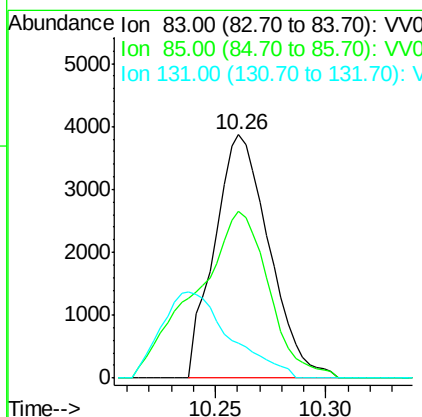
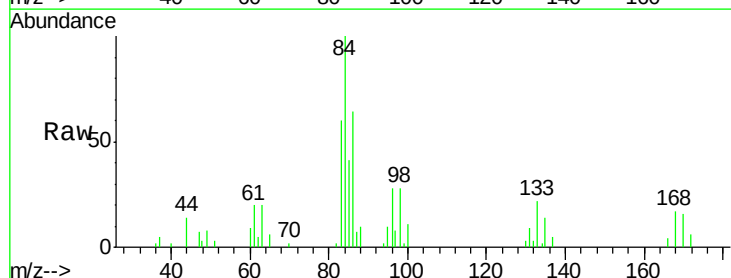
RT: 10.26 min Scan# 2852

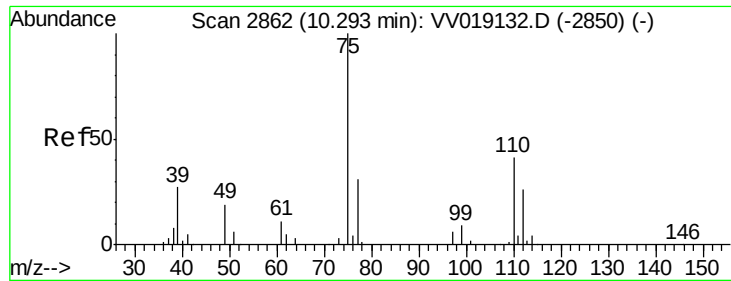
Delta R.T. 0.00 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Tgt Ion:	83	Resp:	6650
Ion Ratio	Lower	Upper	
83	100		
85	68.3	44.2	82.2
131	14.1	7.4	11.2#





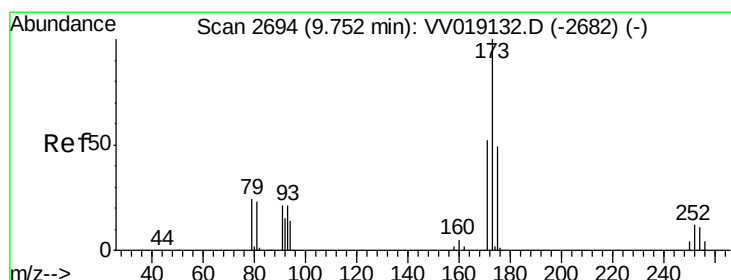
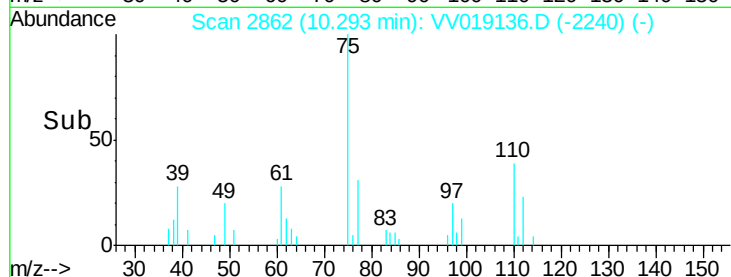
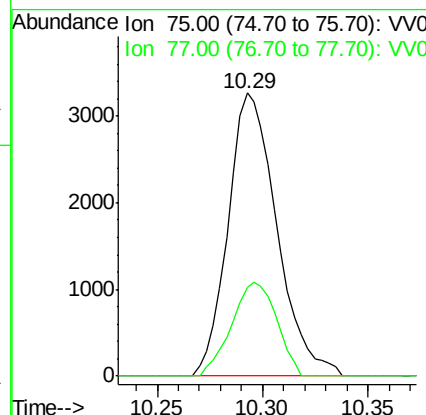
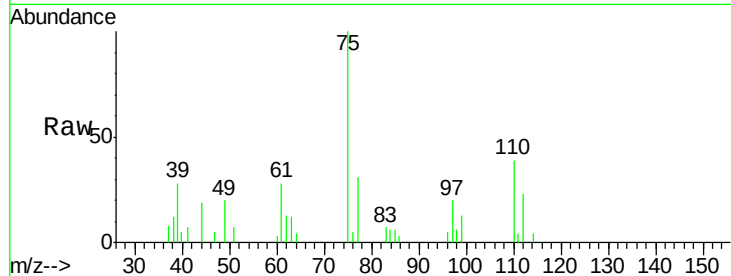
#59
 1,2,3-Trichloropropane
 Concen: 2.358 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VV019136.D
 Acq: 28 Oct 2020 12:35

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion: 75 Resp: 5244
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.9 38.9

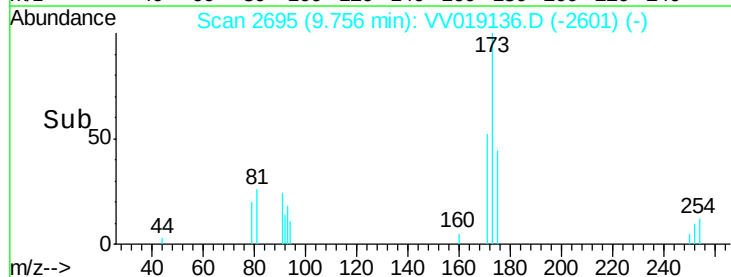
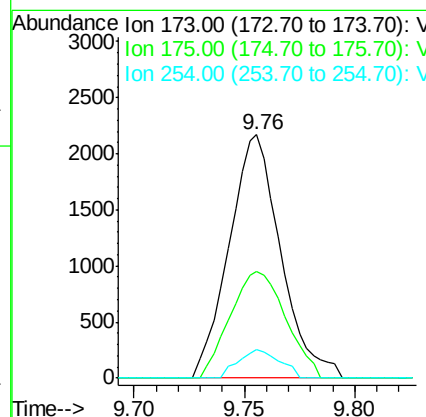
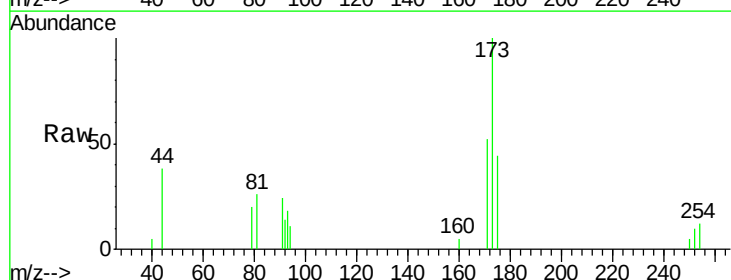
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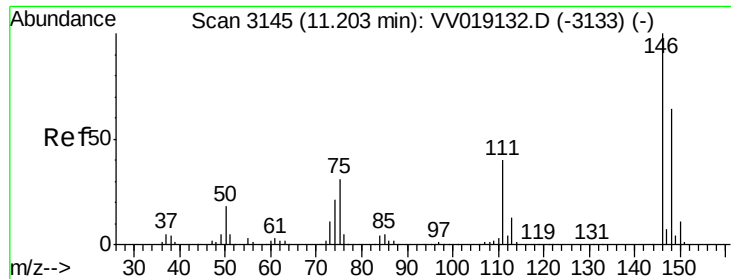
MMDadoda
 10/29/2020 2:58:15 PM



#61
 Bromoform
 Concen: 2.758 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV019136.D
 Acq: 28 Oct 2020 12:35

Tgt Ion: 173 Resp: 3521
 Ion Ratio Lower Upper
 173 100
 175 0.0 38.3 57.5#
 254 9.3 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 2.771 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Instrument :

MSVOA_V

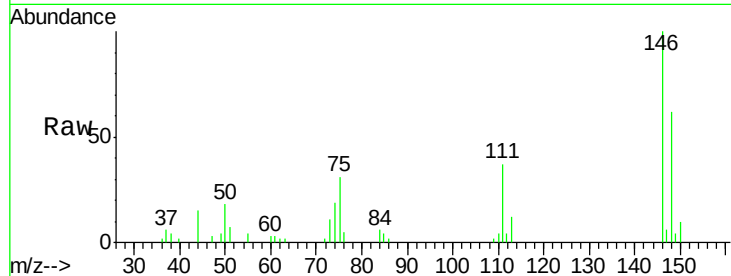
ClientSampleId :

MDL02

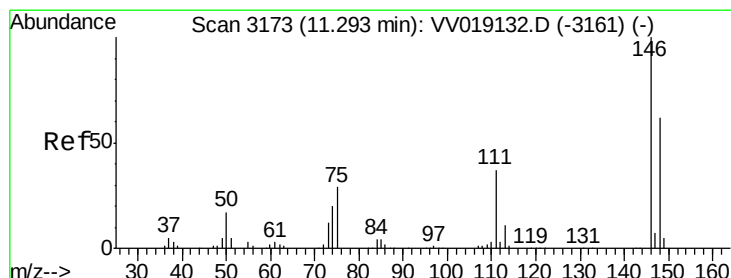
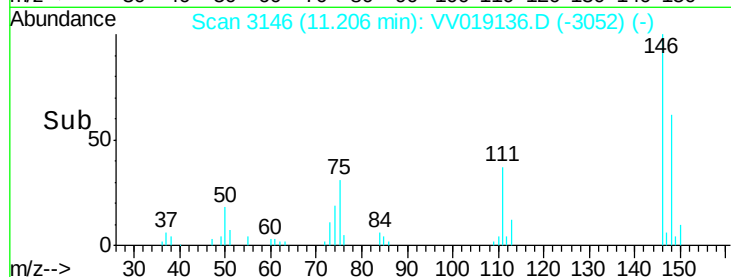
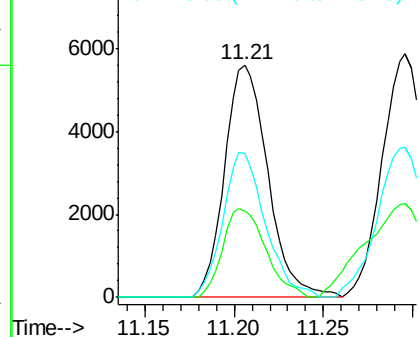
Tot Ion:	146	Resp:	9427
Ion Ratio	Lower	Upper	
146	100		
111	37.4	28.8	53.4
148	62.0	44.5	82.7

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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 2.793 ug/L

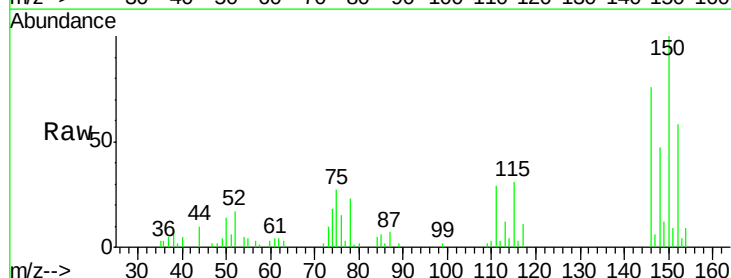
RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

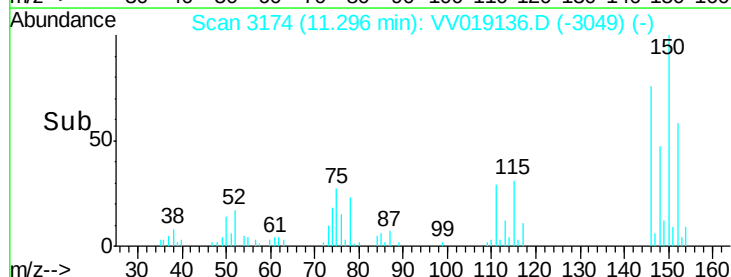
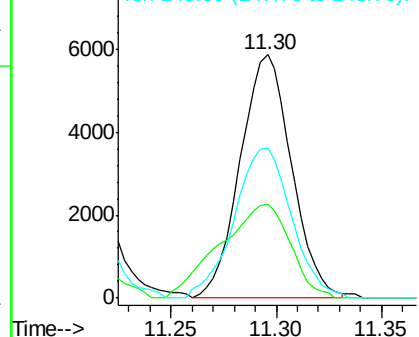
Lab File: VV019136.D

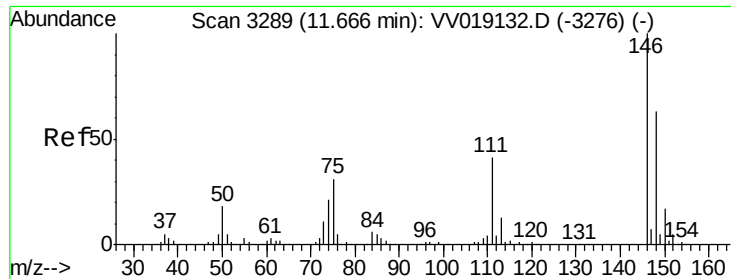
Acq: 28 Oct 2020 12:35

Tgt Ion:	146	Resp:	9928
Ion Ratio	Lower	Upper	
146	100		
111	38.7	27.8	51.6
148	61.6	45.1	83.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





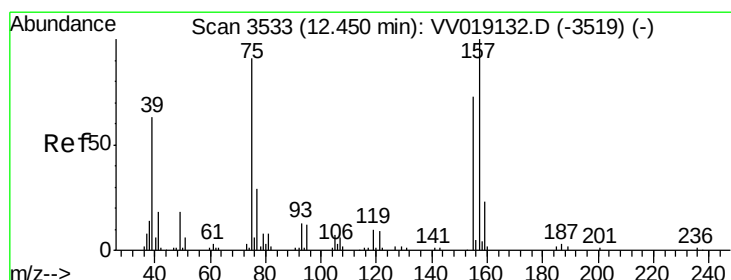
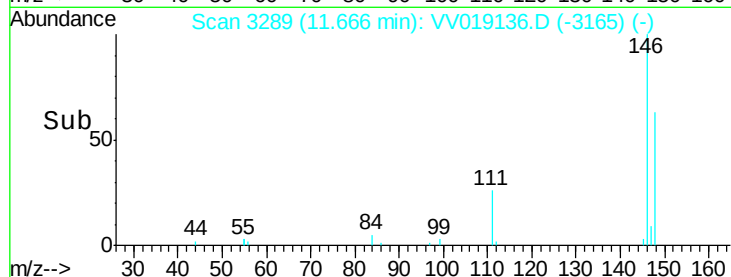
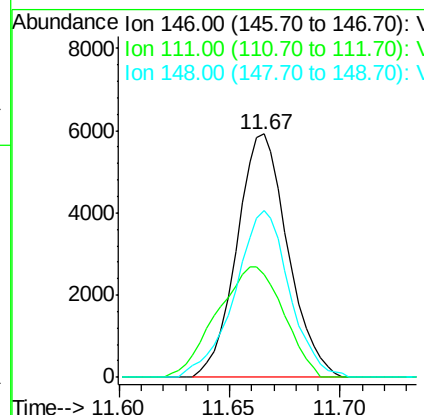
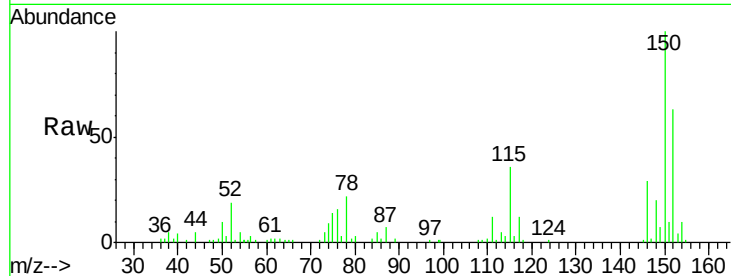
#65
 1,2-Dichlorobenzene
 Concen: 2.770 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV019136.D
 Acq: 28 Oct 2020 12:35

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	33.3	49.9
148	68.3	51.1	76.7

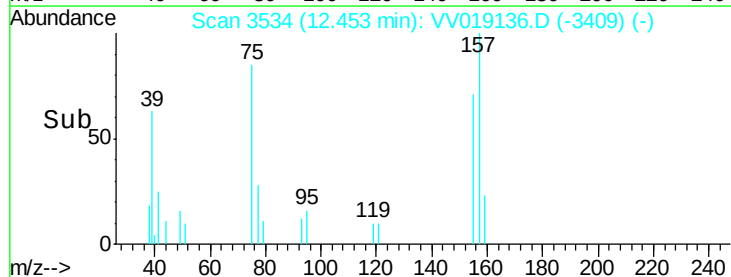
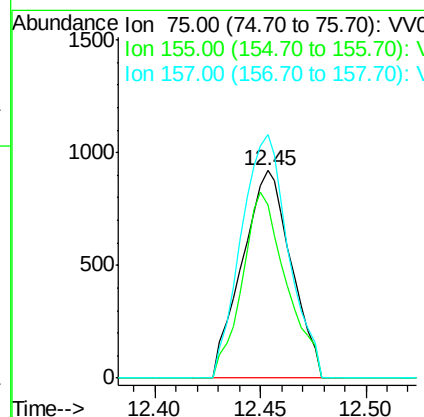
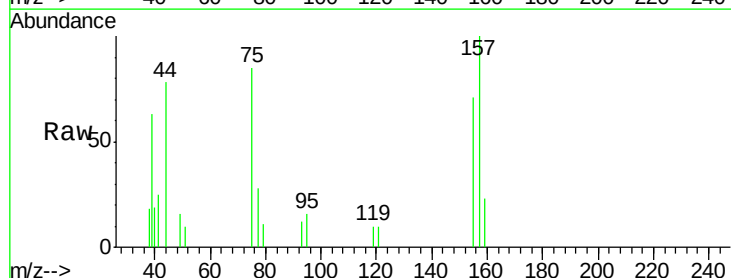
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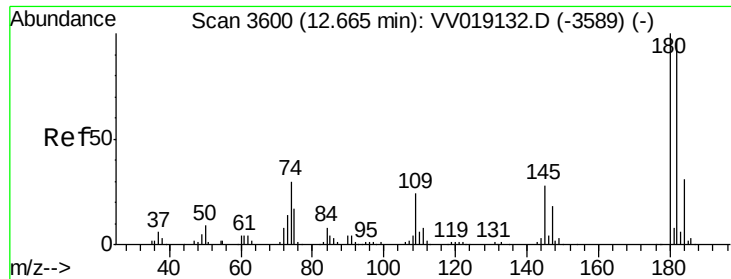
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.441 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV019136.D
 Acq: 28 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	62.2	93.4
157	117.4	79.9	119.9





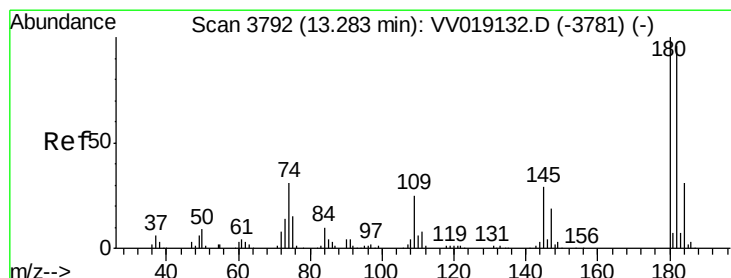
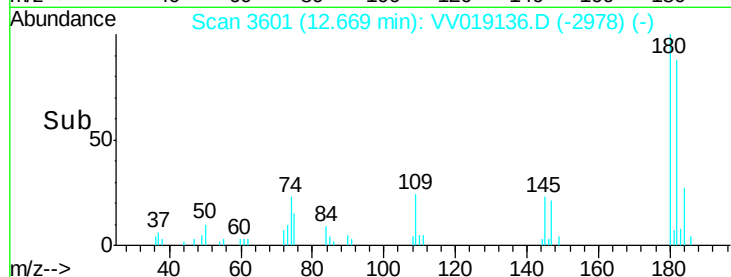
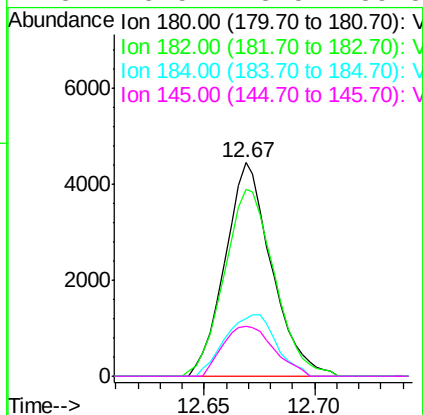
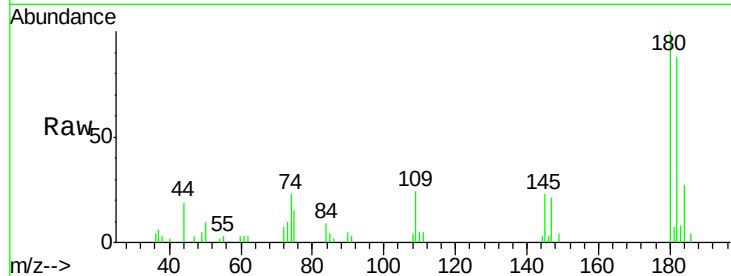
#67
 1,3,5-Trichlorobenzene
 Concen: 2.812 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019136.D
 Acq: 28 Oct 2020 12:35

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.4	116.0
184	31.6	24.7	37.1
145	25.5	23.5	35.3

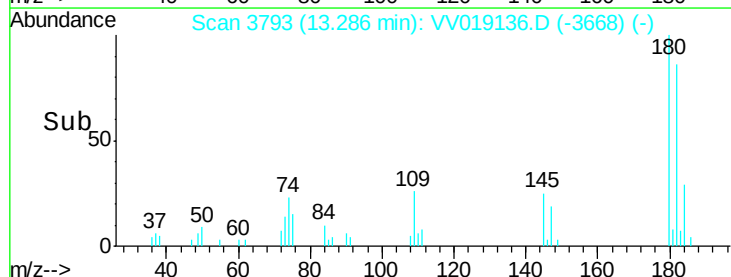
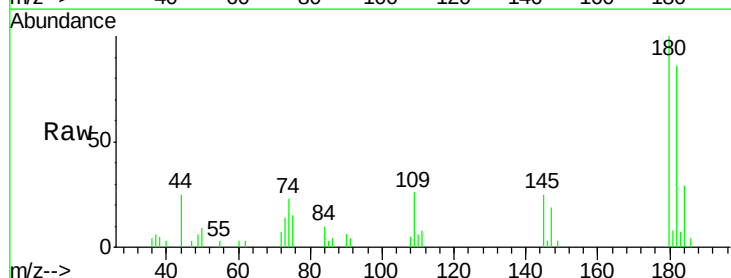
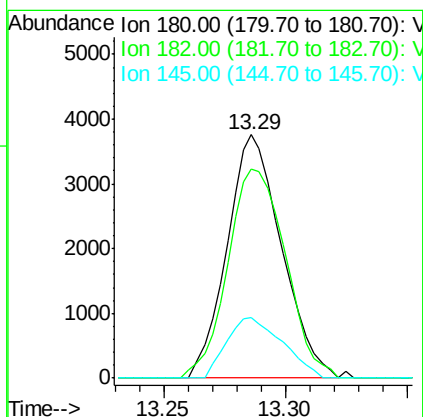
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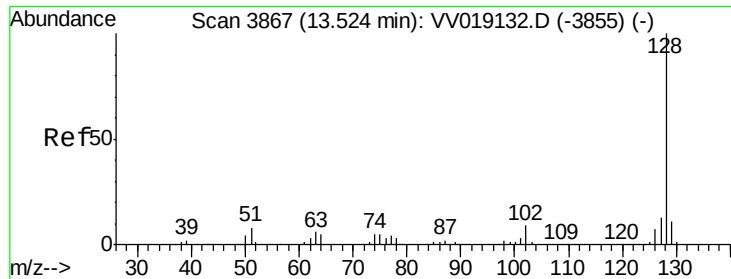
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#68
 1,2,4-trichlorobenzene
 Concen: 2.657 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019136.D
 Acq: 28 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	77.4	116.2
145	25.6	23.7	35.5





#69

Naphthalene

Concen: 2.022 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Instrument :

MSVOA_V

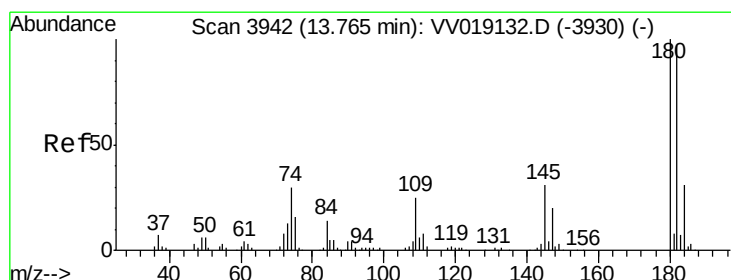
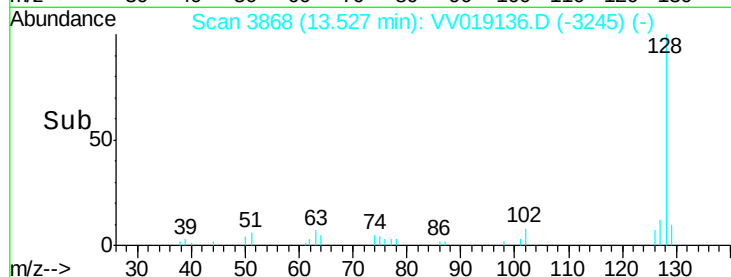
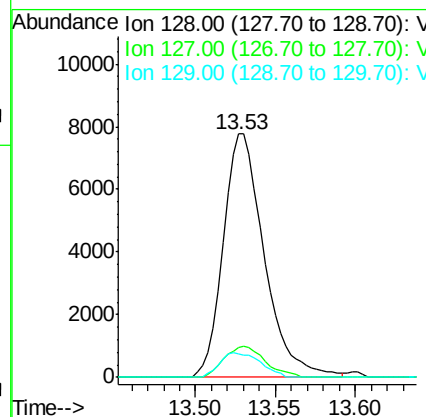
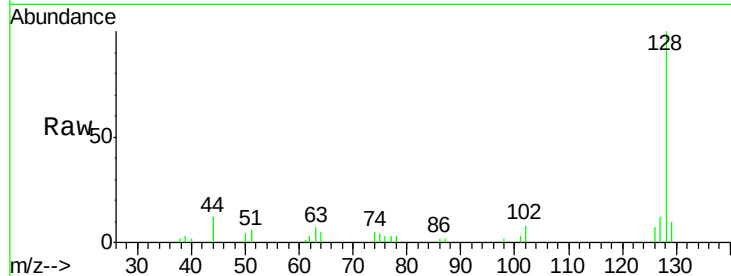
ClientSampled :

MDL02

Tot Ion:	128	Resp:	13643
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	10.0	8.7	13.1

Manual Integrations
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#70

1,2,3-Trichlorobenzene

Concen: 2.307 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV019136.D

Acq: 28 Oct 2020 12:35

Tgt Ion:	180	Resp:	5120
Ion	Ratio	Lower	Upper
180	100		
182	102.0	76.9	115.3
145	33.1	25.6	38.4

