

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
 Data File : VV019135.D
 Acq On : 28 Oct 2020 12:11
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.0µ/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 2:58:13 PM

Quant Time: Oct 29 03:25:53 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	238090	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	230487	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	119828	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80307	37.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.26%
7) Chloroethane-d5	1.58	69	67519	38.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.56%
11) 1,1-Dichloroethene-d2	2.12	63	135882	33.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.08%
21) 2-Butanone-d5	3.90	46	111288	76.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.50%
24) Chloroform-d	4.37	84	167407	44.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.50%
26) 1,2-Dichloroethane-d4	5.05	65	118486	46.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.18%
32) Benzene-d6	5.07	84	316245	44.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.72%
36) 1,2-Dichloropropane-d6	6.09	67	97468	42.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.36%
41) Toluene-d8	7.33	98	289861	45.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.94%
43) trans-1,3-Dichloropropene-	7.64	79	51875	44.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.66%
47) 2-Hexanone-d5	8.10	63	82410	82.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.99%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	125069	41.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	123177	49.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.02%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4742	2.557	ug/L	98
3) Chloromethane	1.25	50	4948	2.145	ug/L	97
5) Vinyl chloride	1.32	62	5443	2.396	ug/L #	70
6) Bromomethane	1.53	94	3440	2.646	ug/L	95
8) Chloroethane	1.60	64	3678	2.581	ug/L	96
9) Trichlorofluoromethane	1.76	101	8682	2.905	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5312	3.342	ug/L	94
12) 1,1-Dichloroethene	2.13	96	5312	3.340	ug/L #	1
13) Acetone	2.19	43	6384	6.475	ug/L	92
14) Carbon disulfide	2.31	76	12803	2.442	ug/L	99
15) Methyl Acetate	2.45	43	4608	2.224	ug/L	93
16) Methylene chloride	2.52	84	5271	2.844	ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	4386	2.610	ug/L	96
18) Methyl tert-butyl Ether	2.78	73	13732	2.520	ug/L	97
19) 1,1-Dichloroethane	3.21	63	8677	2.557	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	4832	2.689	ug/L	95
22) 2-Butanone	4.02	43	5190m	3.840	ug/L	

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

23) Bromochloromethane	4.28	128	2336	2.554	ug/L #	84
25) Chloroform	4.40	83	10654	3.188	ug/L	89
27) 1,2-Dichloroethane	5.16	62	7991	2.881	ug/L	97
29) Cyclohexane	4.70	56	6016	2.181	ug/L	88
30) 1,1,1-Trichloroethane	4.63	97	7962	2.774	ug/L	95
31) Carbon tetrachloride	4.85	117	7535	3.012	ug/L	97
33) Benzene	5.13	78	18933	2.683	ug/L	100
34) Trichloroethene	5.94	95	5097	2.859	ug/L	97
35) Methylcyclohexane	6.15	83	5998	2.459	ug/L #	89
37) 1,2-Dichloropropane	6.20	63	4866	2.505	ug/L #	91
38) Bromodichloromethane	6.54	83	6816	2.773	ug/L	93
39) cis-1,3-Dichloropropene	7.05	75	7124	2.482	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	10877	4.150	ug/L	97
42) Toluene	7.41	91	19137	2.642	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	7526	2.643	ug/L	94
45) 1,1,2-Trichloroethane	7.86	97	4451	2.594	ug/L	94
46) Tetrachloroethene	7.99	164	4001	2.924	ug/L	98
48) 2-Hexanone	8.16	43	11139	5.508	ug/L	96
49) Dibromochloromethane	8.27	129	5248	2.799	ug/L	93
50) 1,2-Dibromoethane	8.38	107	4513	2.535	ug/L	96
51) Chlorobenzene	8.90	112	13248	2.852	ug/L	96
52) Ethylbenzene	9.04	91	19880	2.538	ug/L	97
53) m,p-Xylene	9.16	106	7265	2.534	ug/L	99
54) o-xylene	9.57	106	6608	2.394	ug/L	99
55) Styrene	9.58	104	11577	2.364	ug/L	97
56) Isopropylbenzene	9.95	105	17477	2.408	ug/L	96
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	7396	2.620	ug/L #	98
59) 1,2,3-Trichloropropane	10.29	75	5744	2.529	ug/L	99
61) Bromoform	9.76	173	3917	2.903	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	9647	2.683	ug/L	93
63) 1,4-Dichlorobenzene	11.29	146	10885	2.897	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	11302	3.117	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	1583	2.471	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	7111	2.896	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	6270	2.708	ug/L	99
69) Naphthalene	13.53	128	13910	1.950	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	6188	2.638	ug/L	94

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

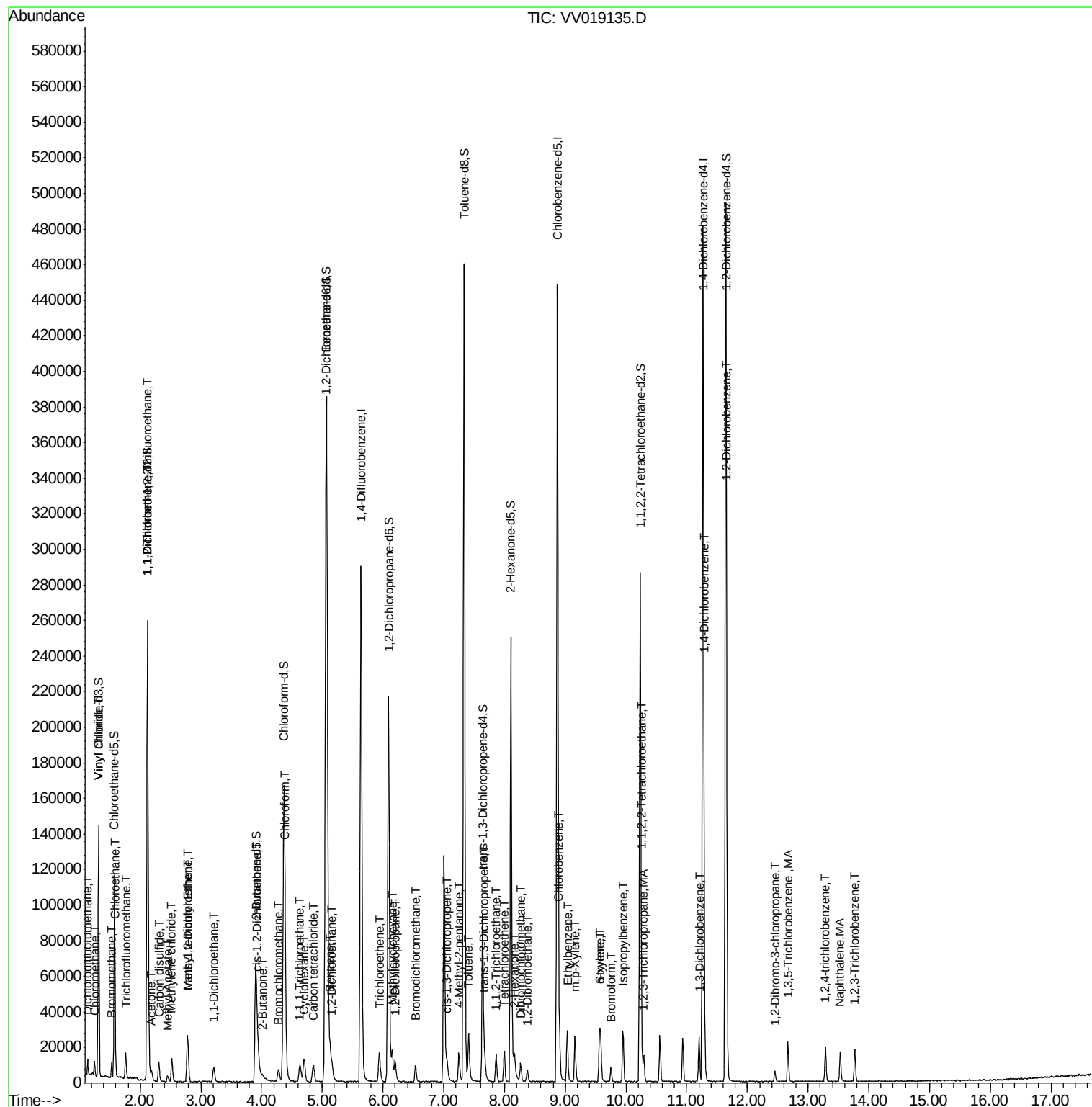
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV102820\
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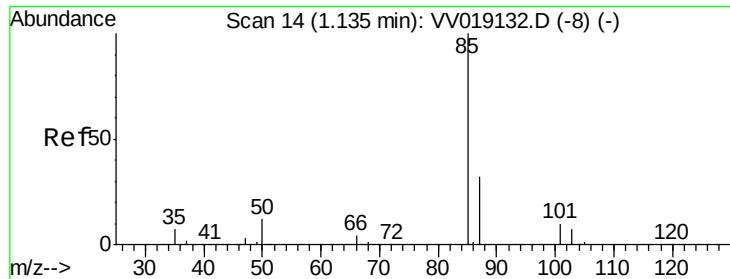
Instrument :
MSVOA_V
ClientSampleId :
MDL01

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#2

Dichlorodifluoromethane

Concen: 2.557 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 85 Resp: 4742

Ion Ratio Lower Upper

85 100

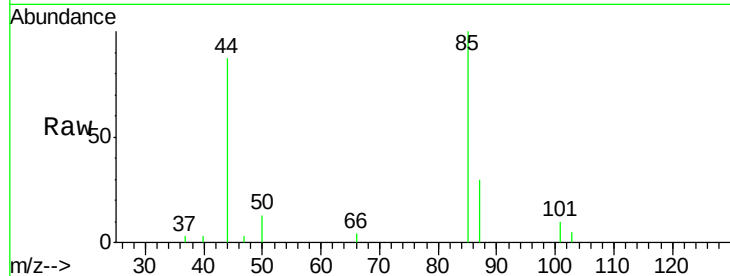
87 31.0 25.5 38.3

Manual Integrations

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10/29/2020 2:58:13 PM



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

6000

5000

4000

3000

2000

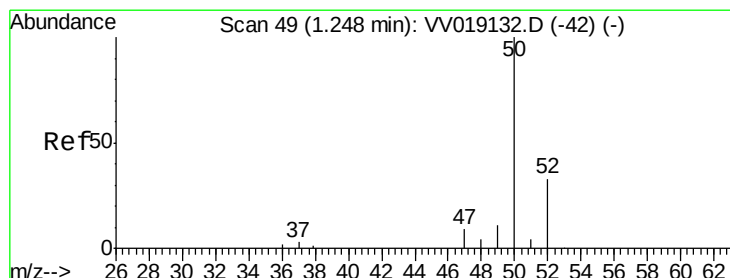
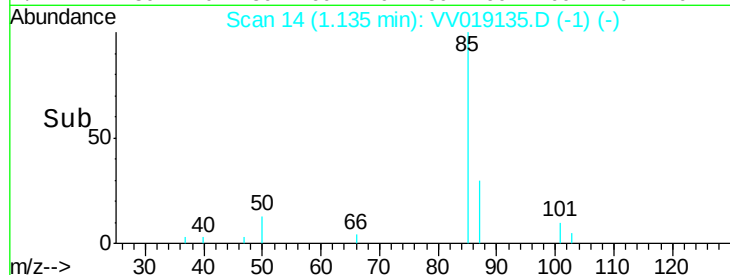
1000

0

1.14

1.10 1.12 1.14 1.16

Time-->



#3

Chloromethane

Concen: 2.145 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019135.D

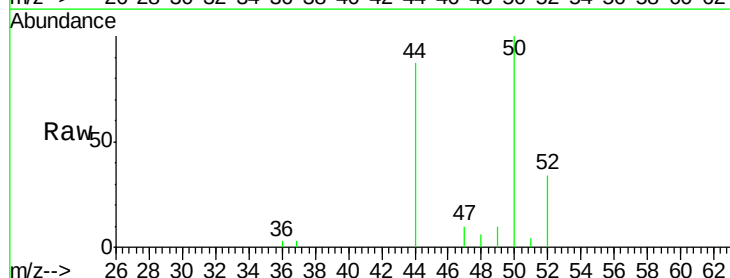
Acq: 28 Oct 2020 12:11

Tgt Ion: 50 Resp: 4948

Ion Ratio Lower Upper

50 100

52 34.0 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

5000

4000

3000

2000

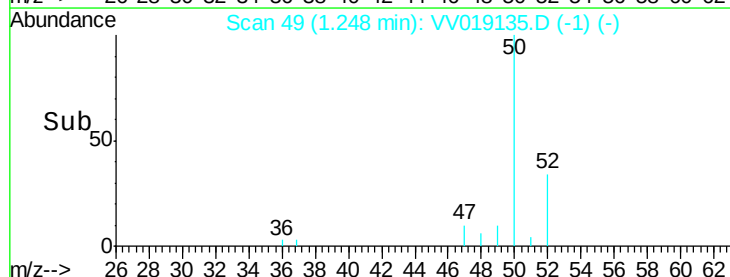
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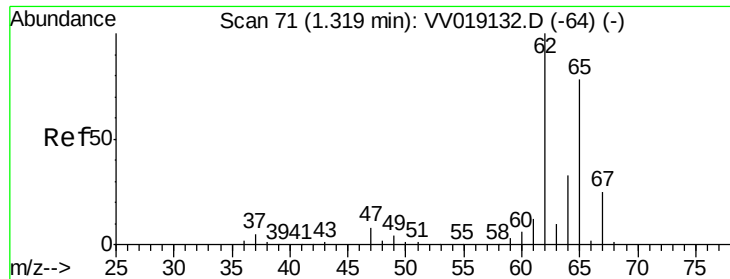
0

1.25

1.22 1.24 1.26 1.28

Time-->





#5

Vinyl chloride

Concen: 2.396 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 62 Resp: 5443

Ion Ratio Lower Upper

62 100

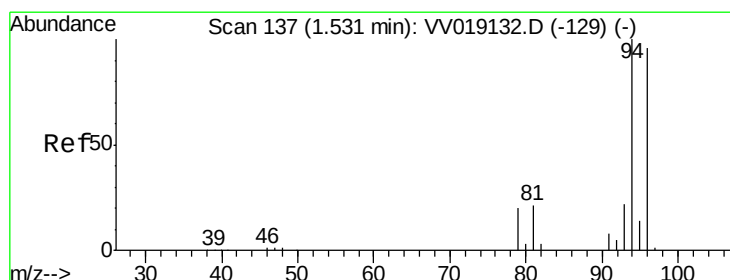
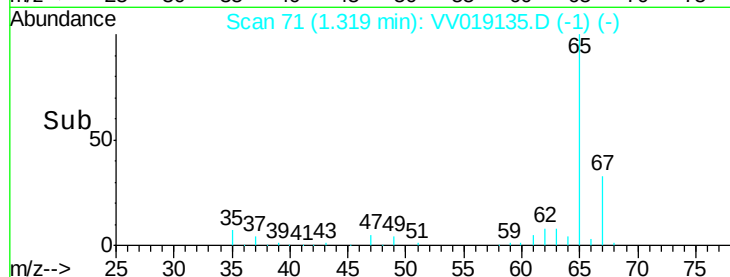
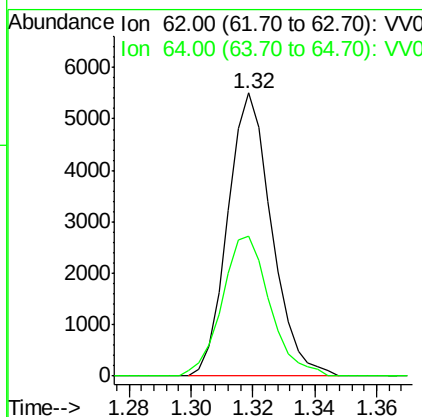
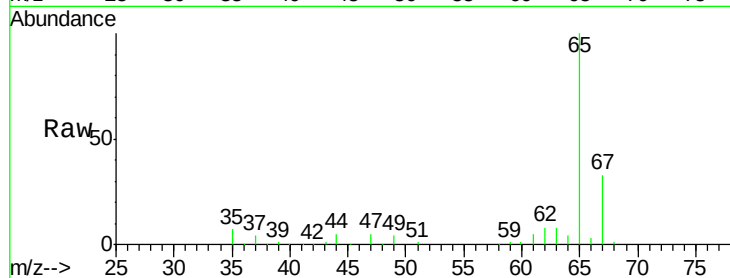
64 49.6 22.9 42.5#

Manual Integrations

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#6

Bromomethane

Concen: 2.646 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019135.D

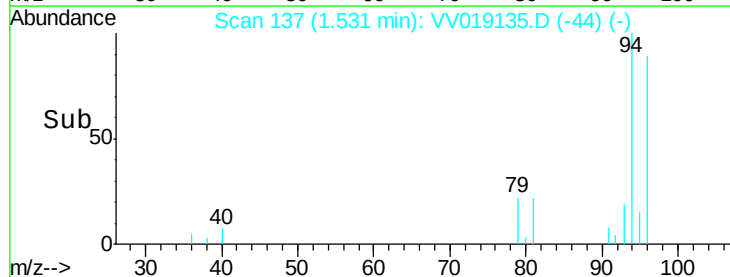
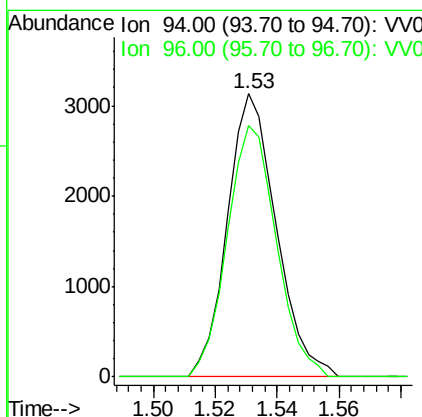
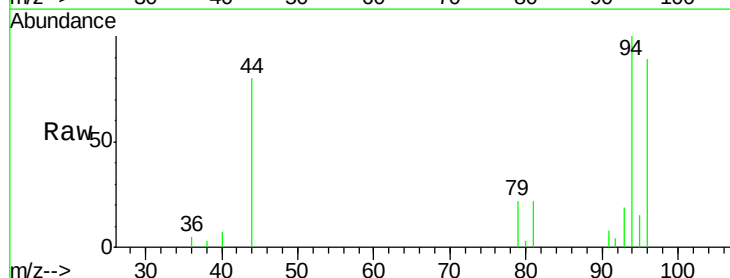
Acq: 28 Oct 2020 12:11

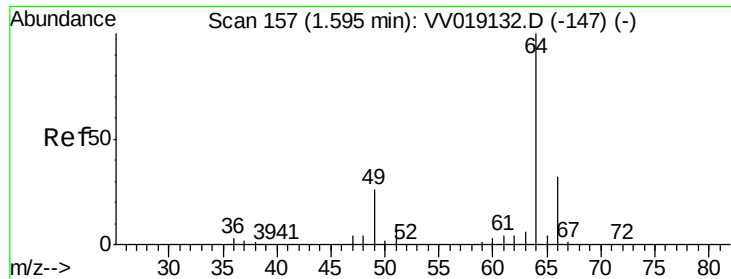
Tgt Ion: 94 Resp: 3440

Ion Ratio Lower Upper

94 100

96 88.8 65.3 121.3





#8

Chloroethane

Concen: 2.581 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 64 Resp: 3678

Ion Ratio Lower Upper

64 100

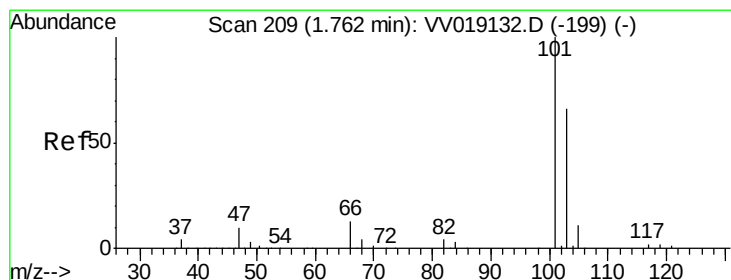
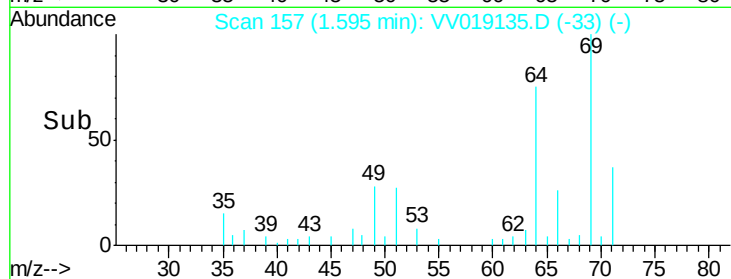
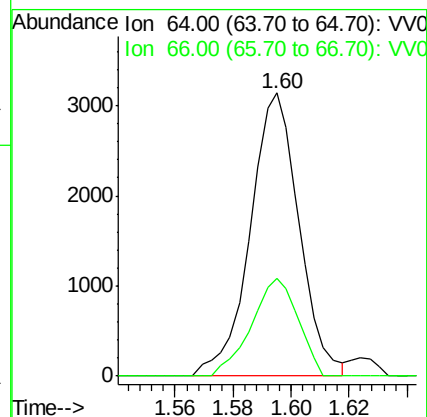
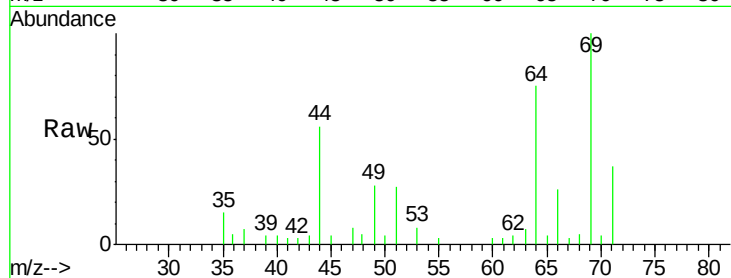
66 34.5 22.5 41.9

Manual Integrations

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10/29/2020 2:58:13 PM



#9

Trichlorofluoromethane

Concen: 2.905 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV019135.D

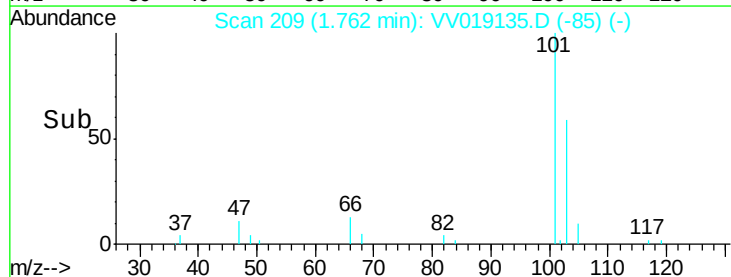
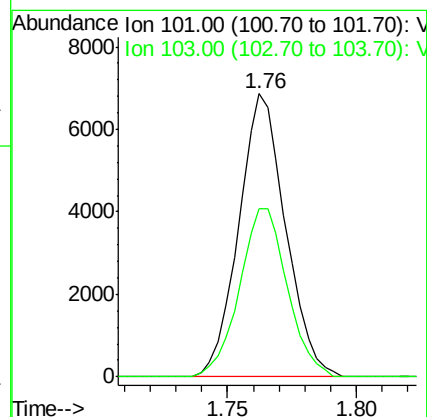
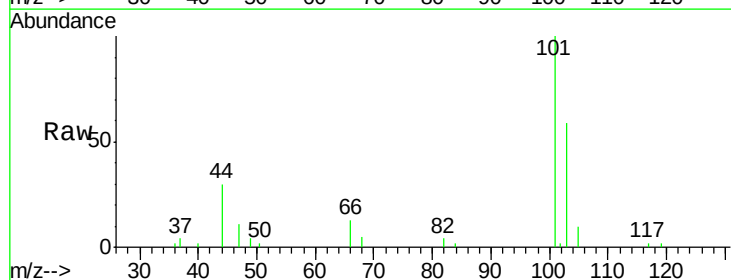
Acq: 28 Oct 2020 12:11

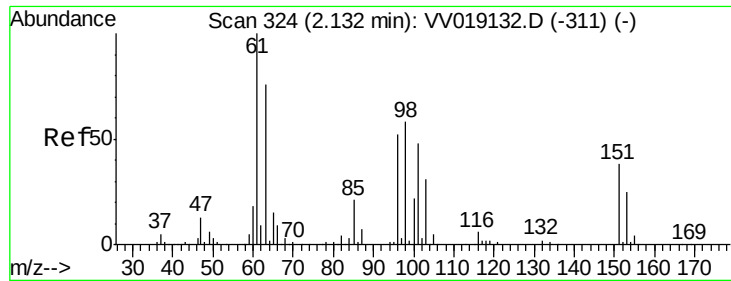
Tgt Ion: 101 Resp: 8682

Ion Ratio Lower Upper

101 100

103 60.8 51.7 77.5





#10

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

Concen: 3.342 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Instrument :

MSVOA_V

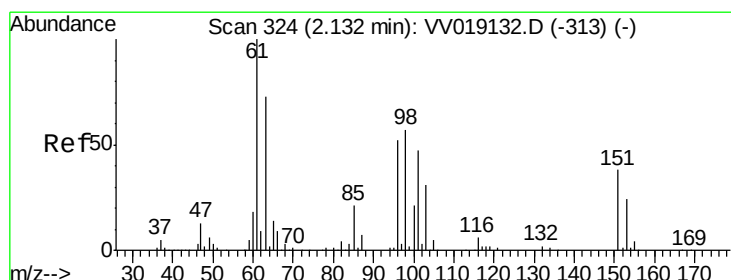
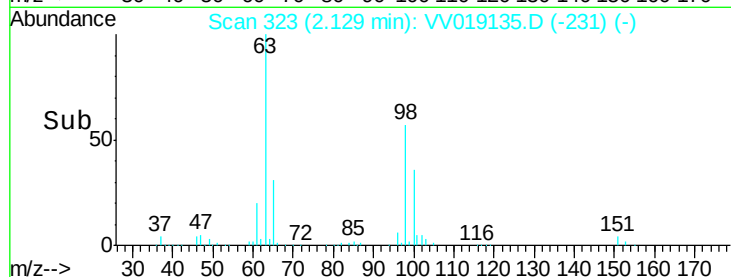
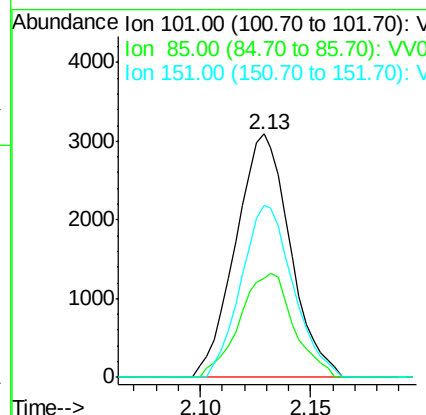
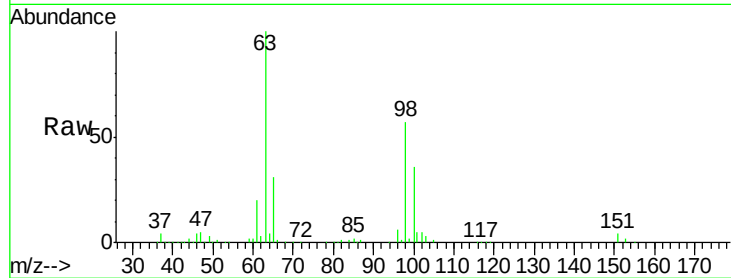
ClientSampleId :

MDL01

Tot Ion:	101	Resp:	5312
Ion Ratio	Lower	Upper	
101	100		
85	42.1	36.9	55.3
151	67.4	58.2	87.2

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 3.340 ug/L

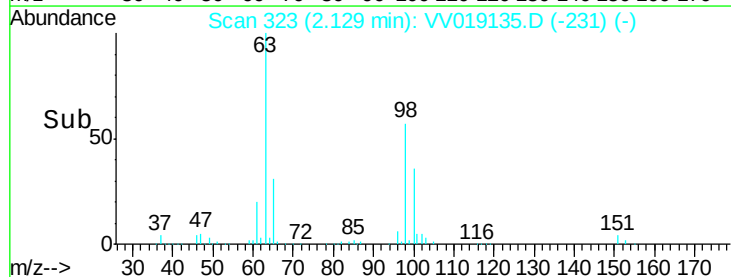
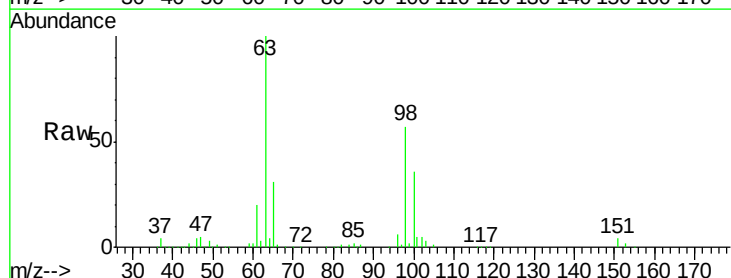
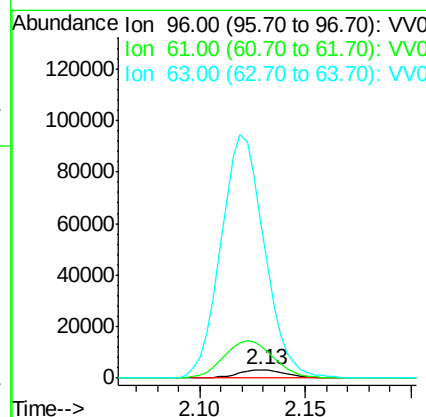
RT: 2.13 min Scan# 323

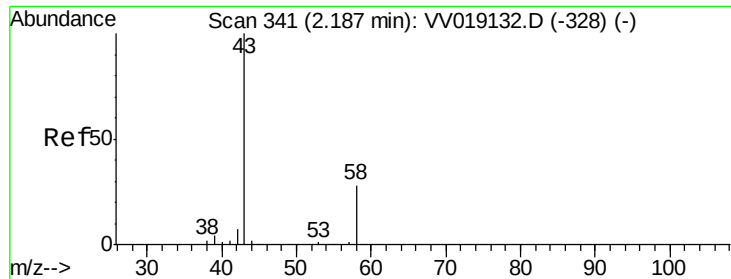
Delta R.T. -0.00 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Tgt Ion:	96	Resp:	5312
Ion Ratio	Lower	Upper	
96	100		
61	370.8	138.7	257.7#
63	1818.0	126.3	234.6#





#13

Acetone

Concen: 6.475 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 43 Resp: 6384

Ion Ratio Lower Upper

43 100

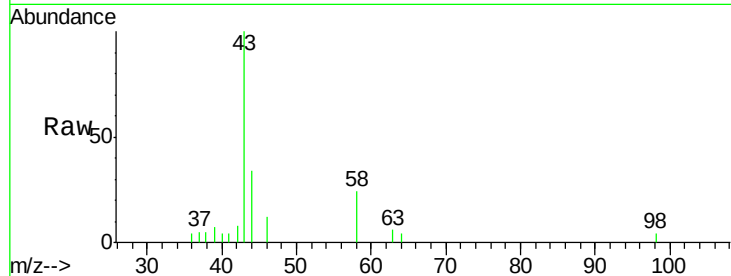
58 25.7 0.0 60.2

Manual Integrations

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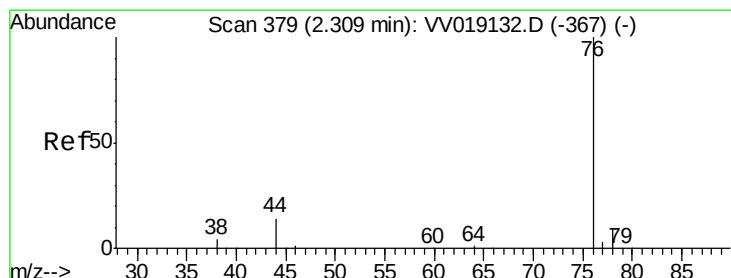
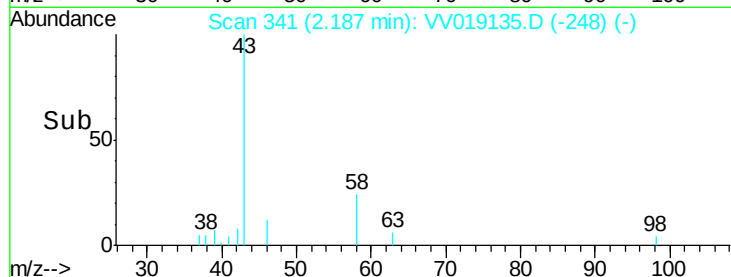
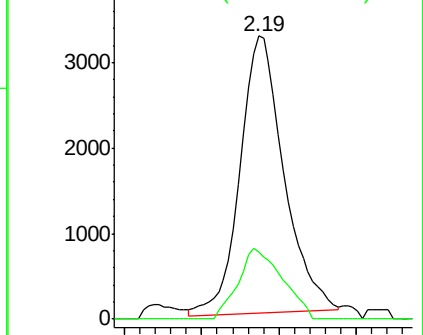
MMDadoda

10/29/2020 2:58:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 2.442 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019135.D

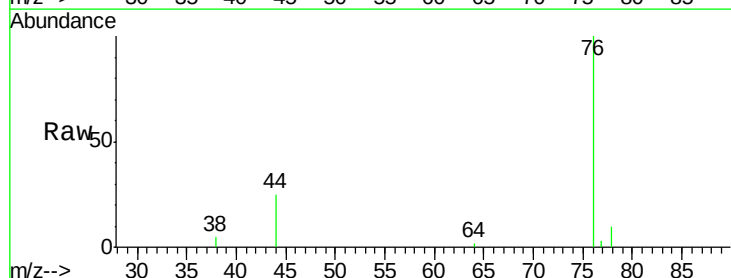
Acq: 28 Oct 2020 12:11

Tgt Ion: 76 Resp: 12803

Ion Ratio Lower Upper

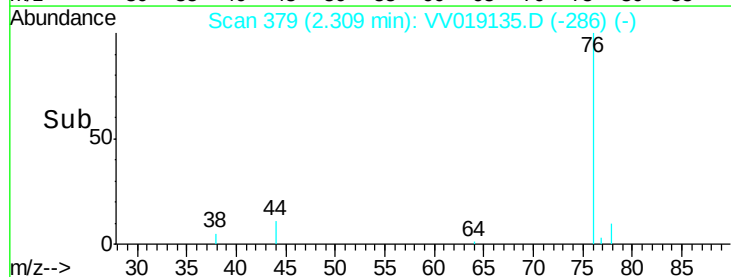
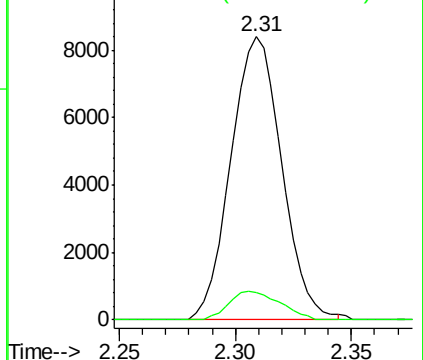
76 100

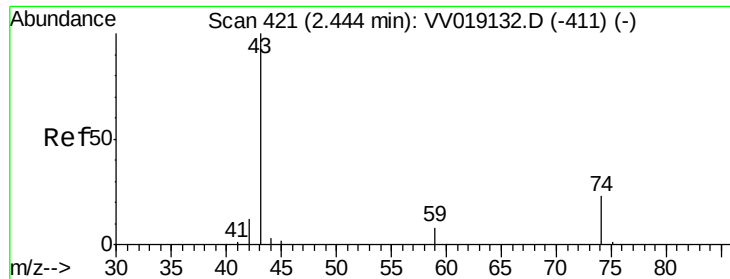
78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





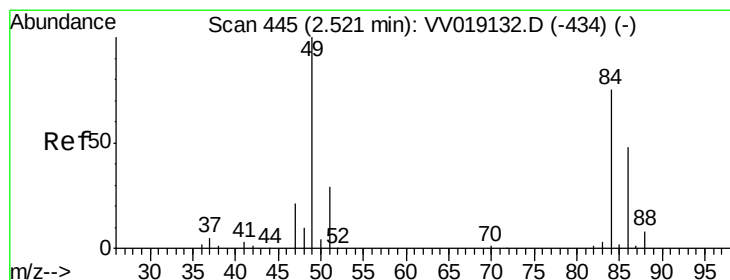
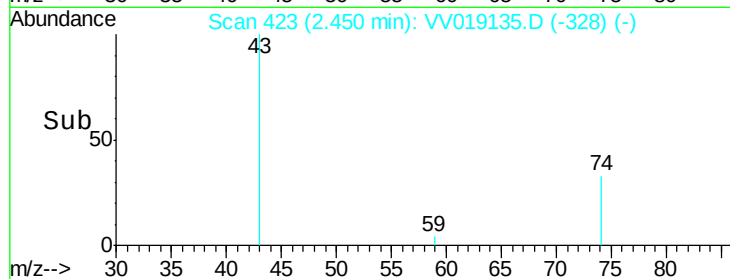
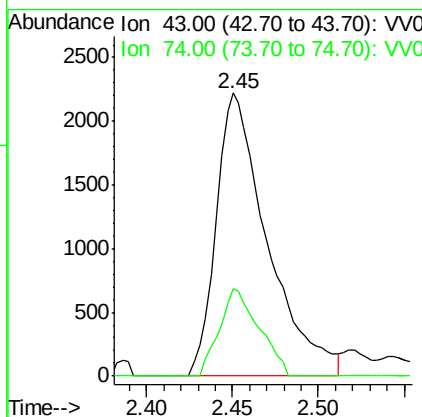
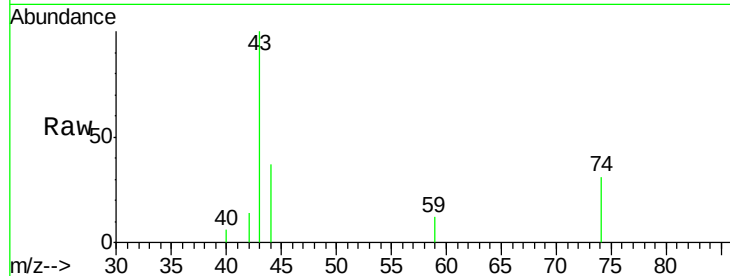
#15
Methyl Acetate
Concen: 2.224 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV019135.D
Acq: 28 Oct 2020 12:11

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion: 43 Resp: 4608
Ion Ratio Lower Upper
43 100
74 23.8 16.4 24.6

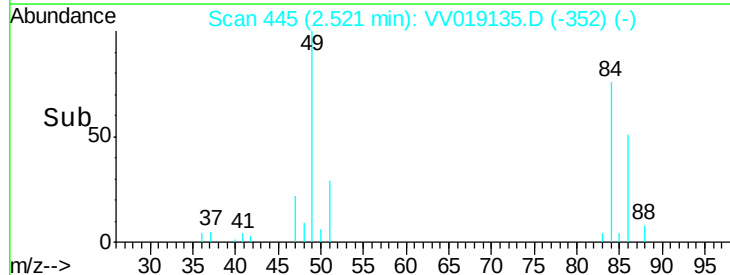
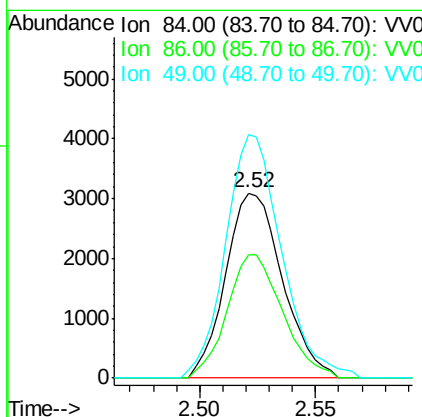
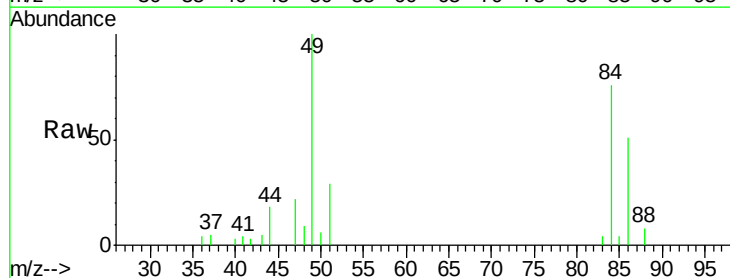
Manual Integrations
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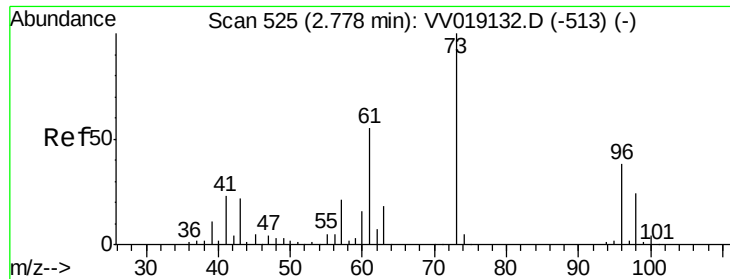
MMDadoda
10/29/2020 2:58:13 PM



#16
Methylene chloride
Concen: 2.844 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV019135.D
Acq: 28 Oct 2020 12:11

Tgt Ion: 84 Resp: 5271
Ion Ratio Lower Upper
84 100
86 66.9 44.2 82.2
49 131.6 98.0 182.0





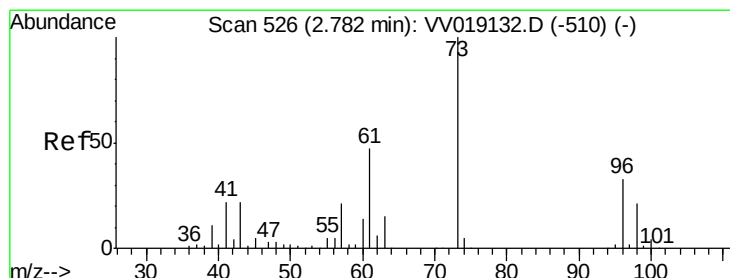
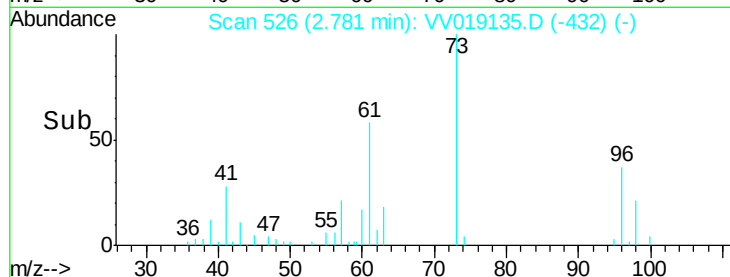
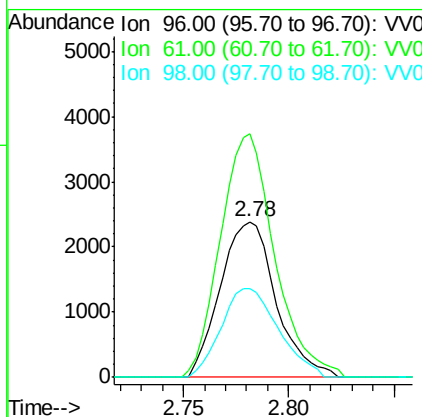
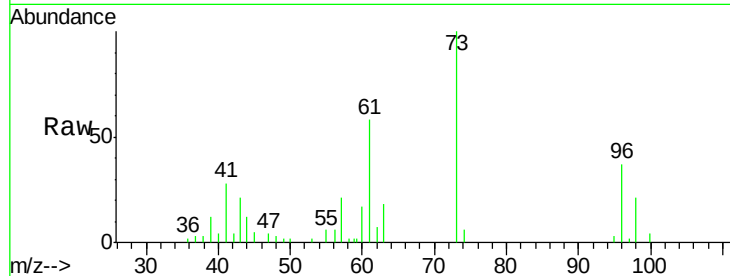
#17
trans-1,2-Dichloroethene
Concen: 2.610 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV019135.D
Acq: 28 Oct 2020 12:11

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		4386		
61	156.3		108.6	201.8	
98	57.3		45.7	84.9	

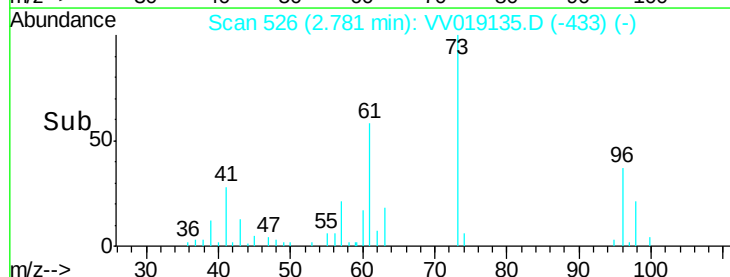
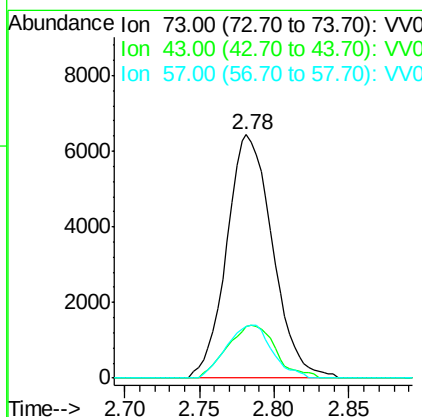
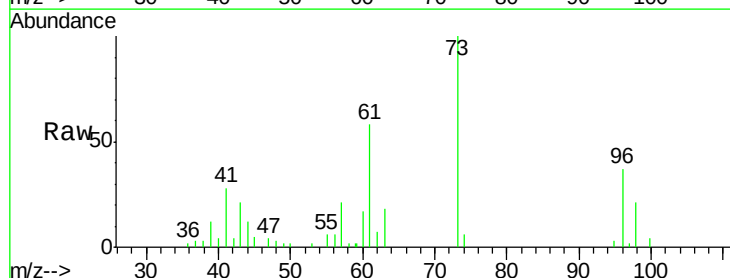
Manual Integrations
APPROVED

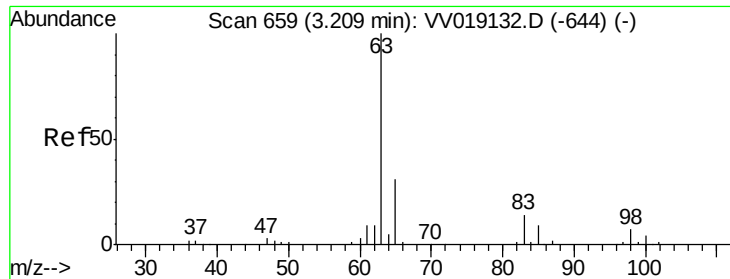
MMDadoda
10/29/2020 2:58:13 PM



#18
Methyl tert-butyl Ether
Concen: 2.520 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV019135.D
Acq: 28 Oct 2020 12:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		13732		
43	23.0		17.2	25.8	
57	21.8		18.5	27.7	





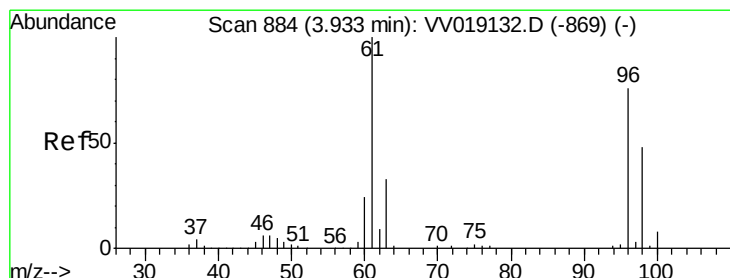
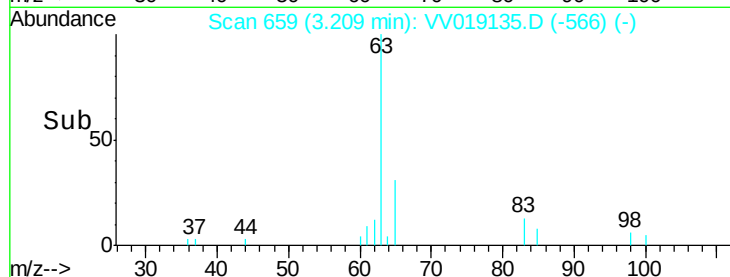
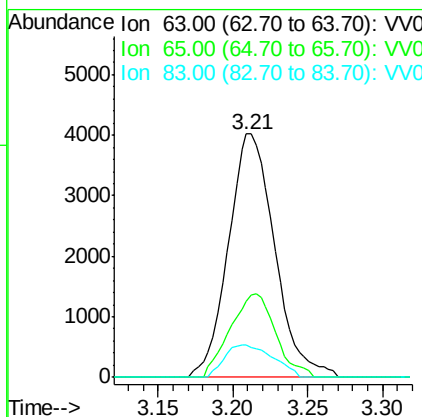
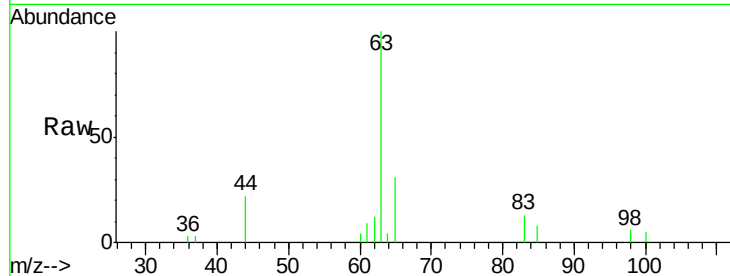
#19
1,1-Dichloroethane
Concen: 2.557 ug/L
RT: 3.21 min Scan# 659
Delta R.T. -0.00 min
Lab File: VV019135.D
Acq: 28 Oct 2020 12:11

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	22.7	42.1
83	13.2	9.0	16.8

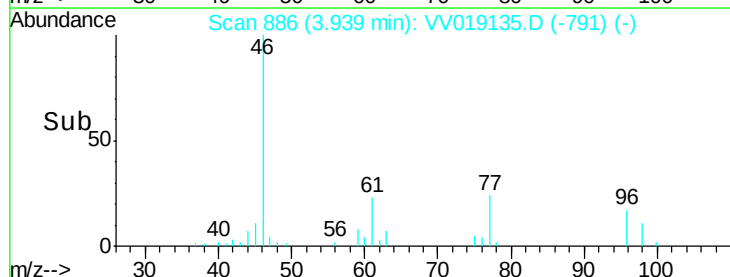
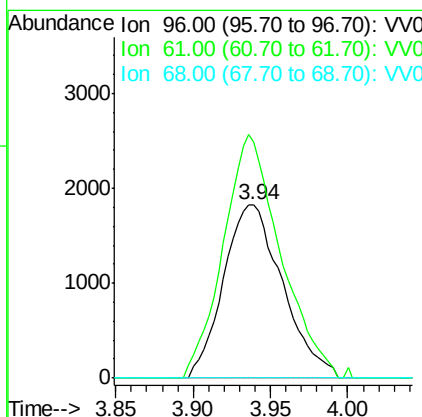
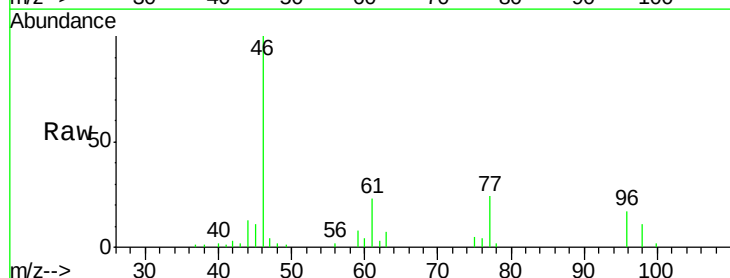
Manual Integrations
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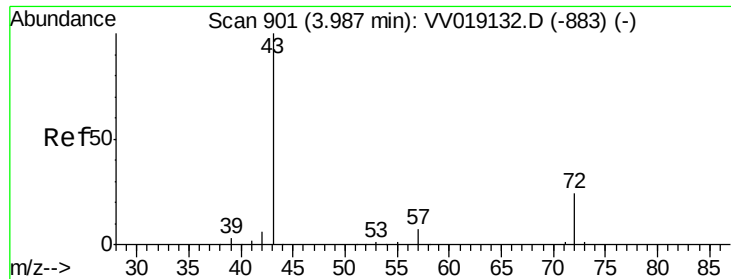
MMDadoda
10/29/2020 2:58:13 PM



#20
cis-1,2-Dichloroethene
Concen: 2.689 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.01 min
Lab File: VV019135.D
Acq: 28 Oct 2020 12:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.9	99.4	184.6
68	0.0	0.0	0.0





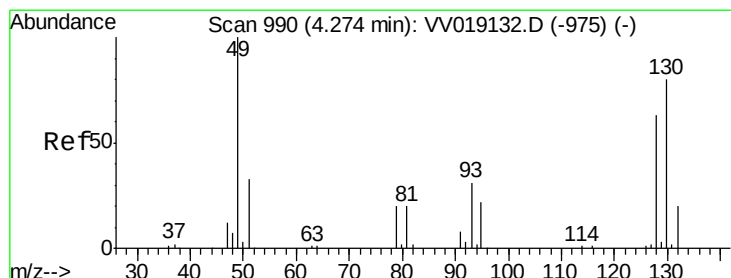
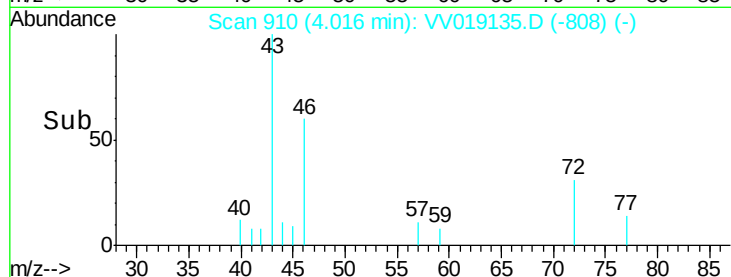
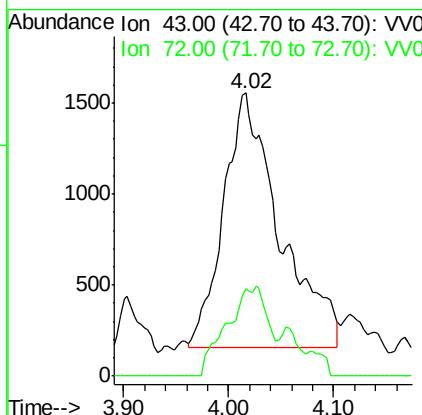
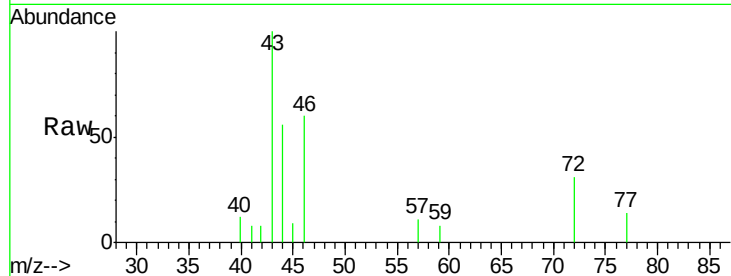
#22
2-Butanone
Concen: 3.840 ug/L m
RT: 4.02 min Scan# 910
Delta R.T. 0.03 min
Lab File: VV019135.D
Acq: 28 Oct 2020 12:11

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion: 43 Resp: 5190
Ion Ratio Lower Upper
43 100
72 7.3 10.8 32.4#

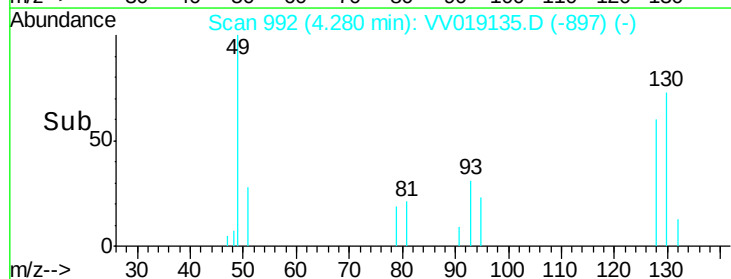
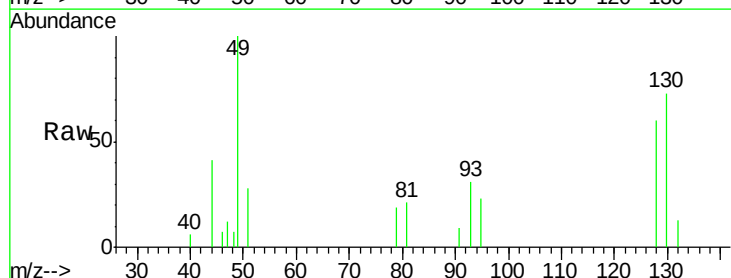
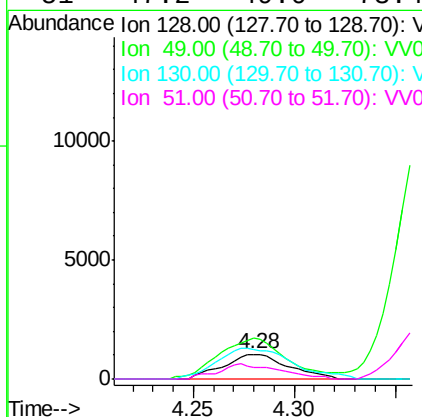
Manual Integrations
APPROVED

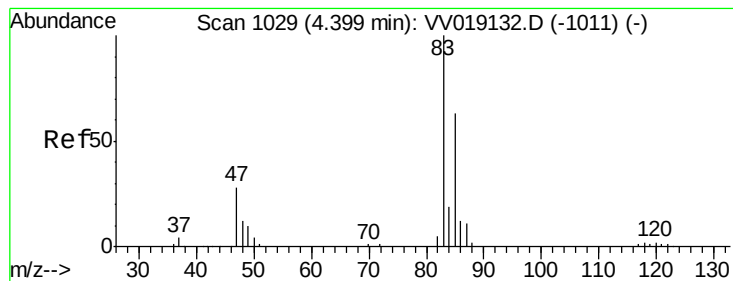
MMDadoda
10/29/2020 2:58:13 PM



#23
Bromochloromethane
Concen: 2.554 ug/L
RT: 4.28 min Scan# 992
Delta R.T. 0.01 min
Lab File: VV019135.D
Acq: 28 Oct 2020 12:11

Tgt Ion: 128 Resp: 2336
Ion Ratio Lower Upper
128 100
49 166.3 137.1 254.5
130 120.9 92.0 170.9
51 47.2 49.0 73.4#





#25

Chloroform

Concen: 3.188 ug/L

RT: 4.40 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 83 Resp: 10654

Ion Ratio Lower Upper

83 100

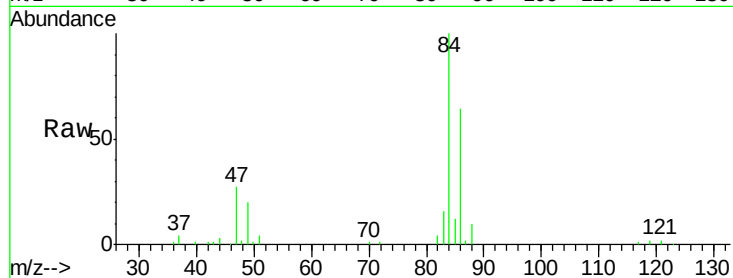
85 72.5 44.5 82.7

Manual Integrations

APPROVED

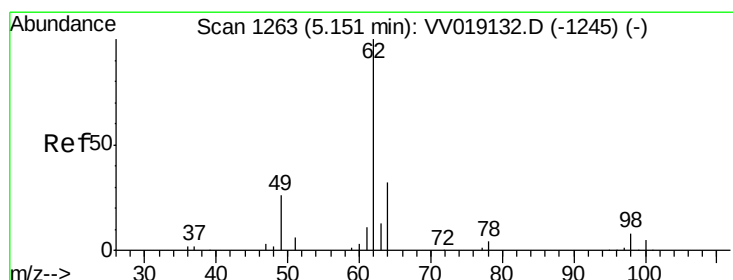
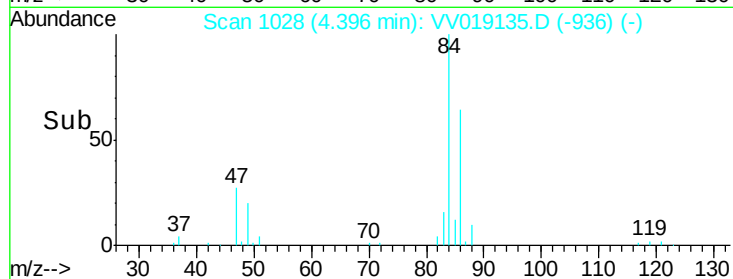
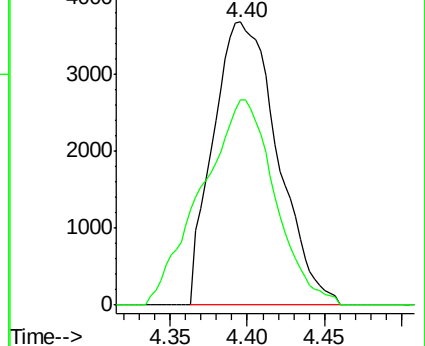
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 2.881 ug/L

RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VV019135.D

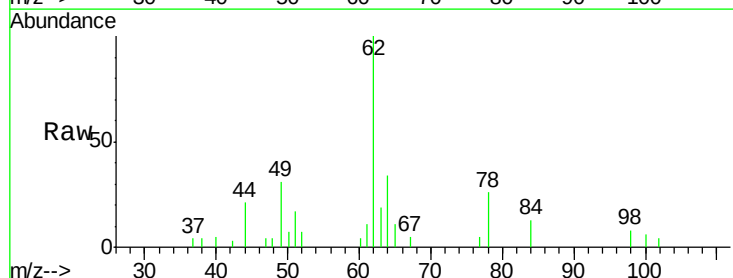
Acq: 28 Oct 2020 12:11

Tgt Ion: 62 Resp: 7991

Ion Ratio Lower Upper

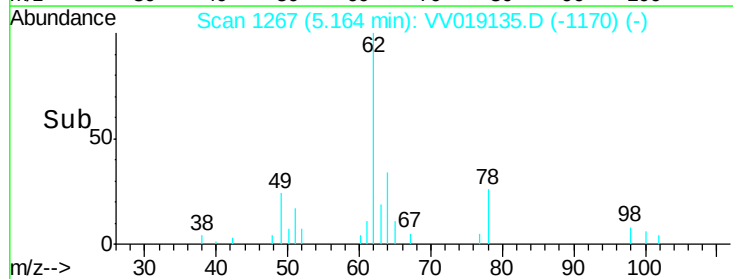
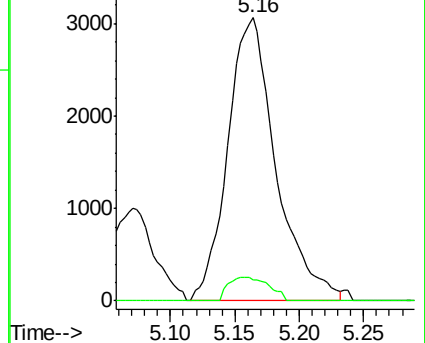
62 100

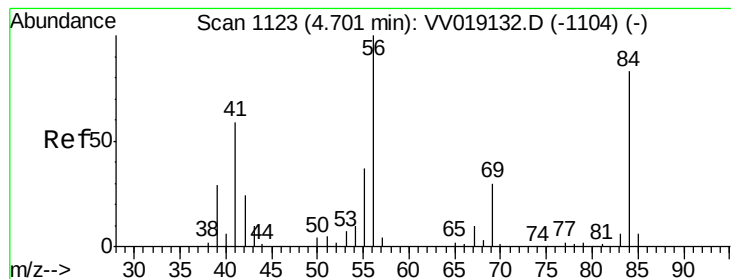
98 7.6 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#29

Cyclohexane

Concen: 2.181 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Instrument :

MSVOA_V

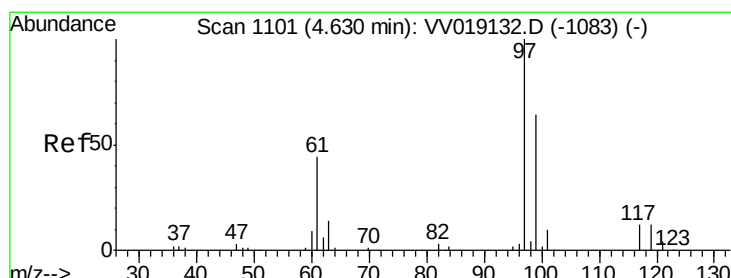
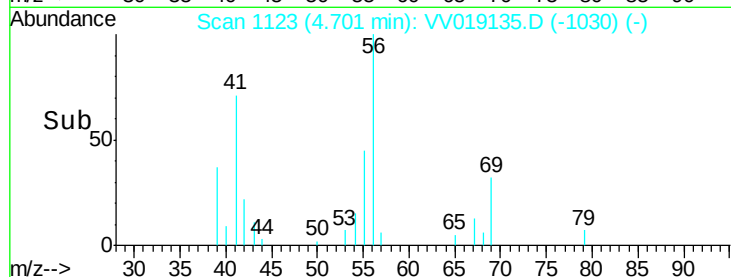
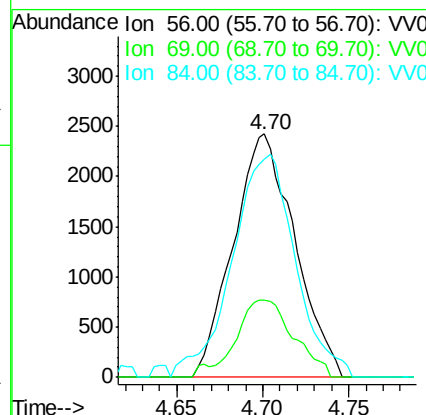
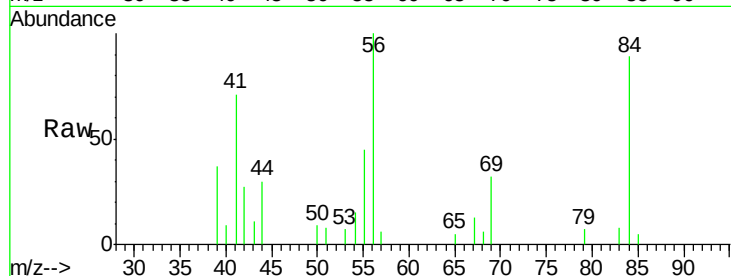
ClientSampled :

MDL01

Tot Ion:	56	Resp:	6016
Ion	Ratio	Lower	Upper
56	100		
69	28.9	22.7	34.1
84	94.0	63.5	95.3

Manual Integrations
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#30

1,1,1-Trichloroethane

Concen: 2.774 ug/L

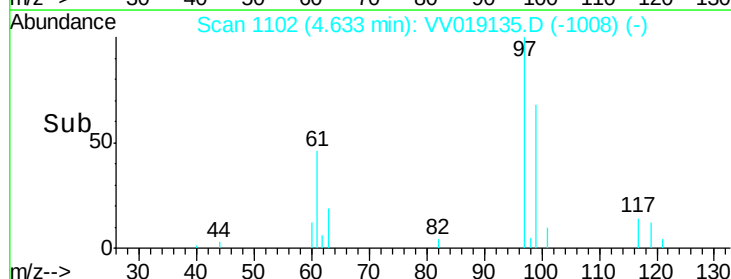
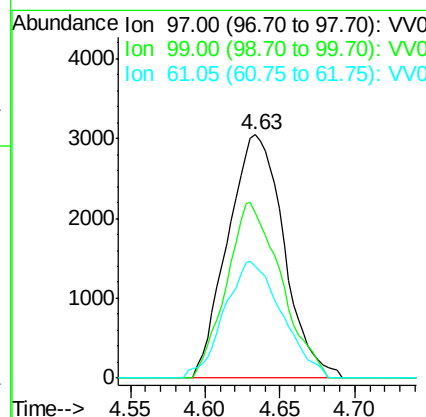
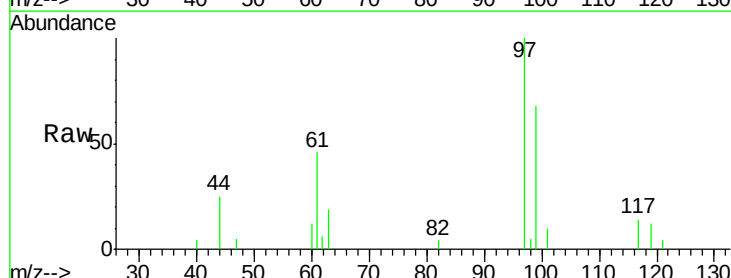
RT: 4.63 min Scan# 1102

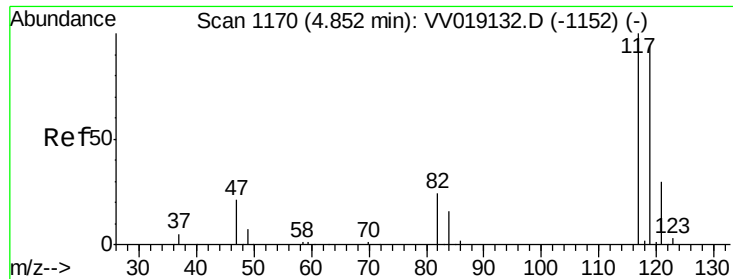
Delta R.T. 0.00 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Tgt Ion:	97	Resp:	7962
Ion	Ratio	Lower	Upper
97	100		
99	69.7	50.5	75.7
61	48.6	38.1	57.1





#31

Carbon tetrachloride

Concen: 3.012 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion:117 Resp: 7535

Ion Ratio Lower Upper

117 100

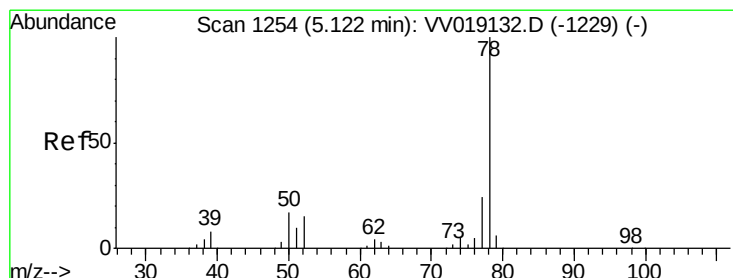
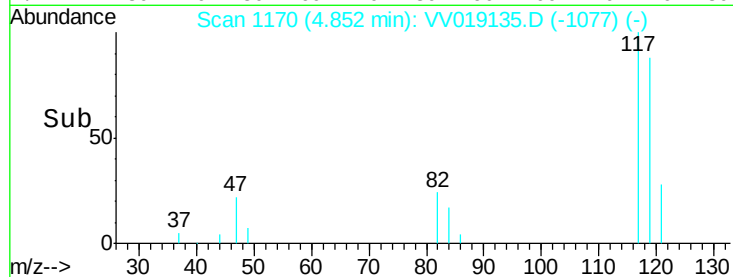
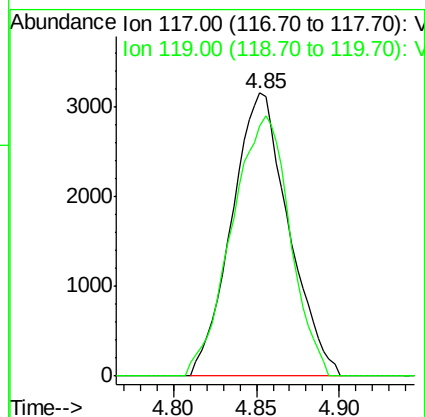
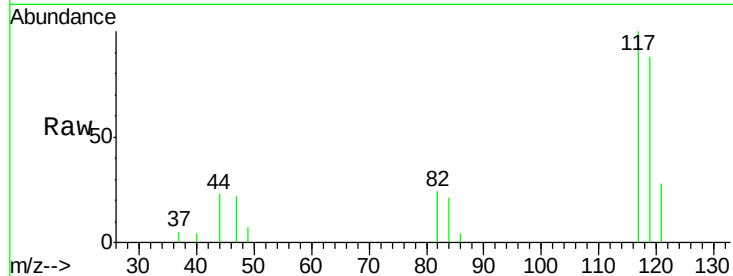
119 93.8 77.2 115.8

Manual Integrations

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#33

Benzene

Concen: 2.683 ug/L

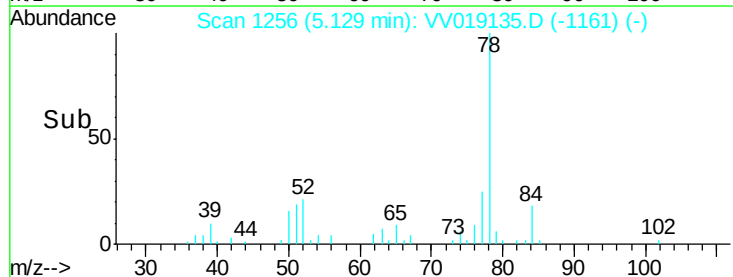
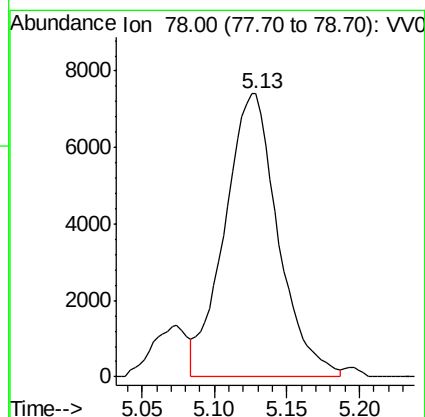
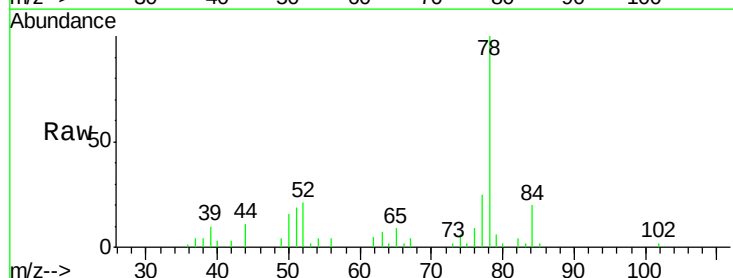
RT: 5.13 min Scan# 1256

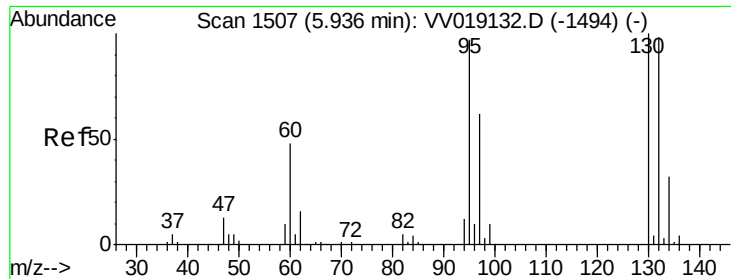
Delta R.T. 0.01 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Tgt Ion: 78 Resp: 18933





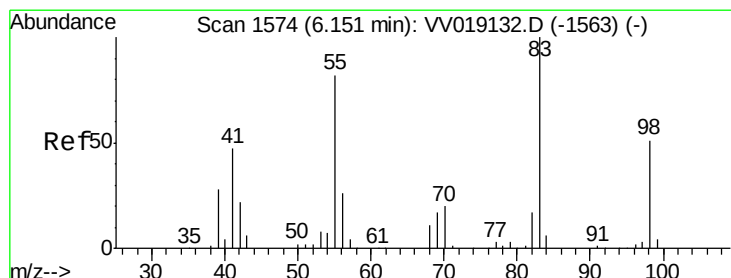
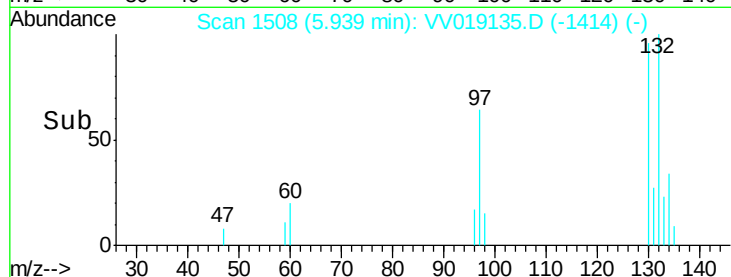
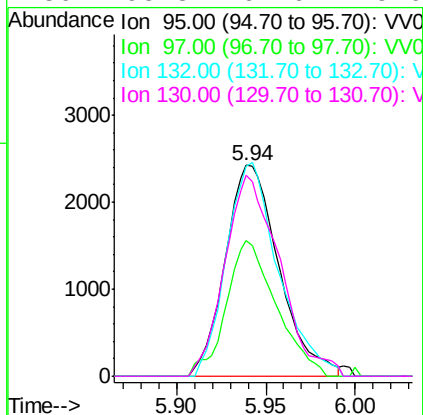
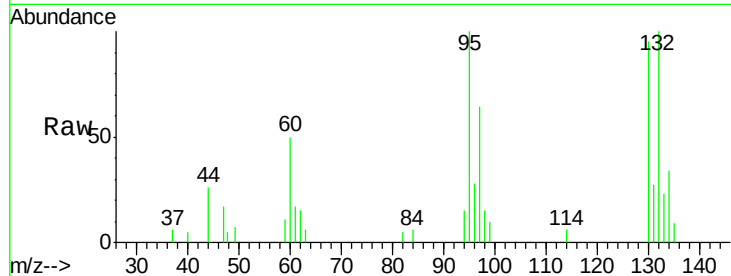
#34
 Trichloroethene
 Concen: 2.859 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV019135.D
 Acq: 28 Oct 2020 12:11

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	95	Resp	5097
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.6	82.8
132	99.6	66.0	122.6
130	95.3	67.6	125.6

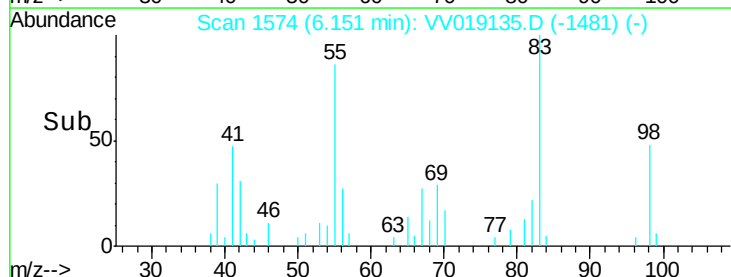
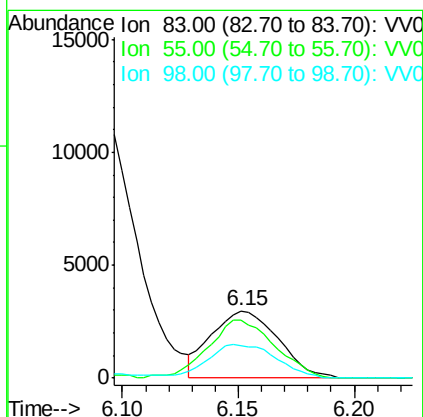
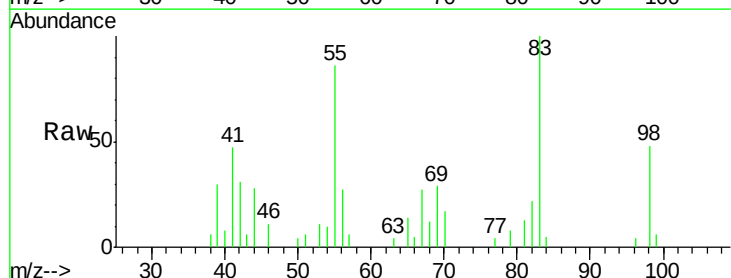
Manual Integrations
 APPROVED

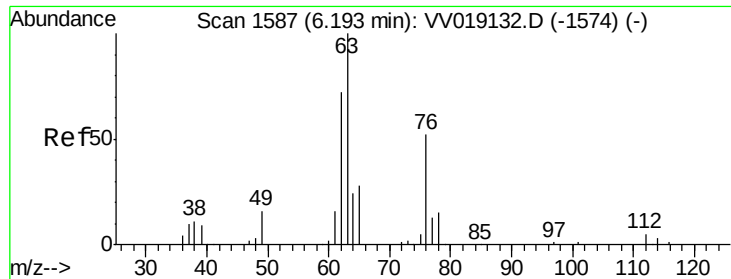
MMDadoda
 10/29/2020 2:58:13 PM



#35
 Methylcyclohexane
 Concen: 2.459 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV019135.D
 Acq: 28 Oct 2020 12:11

Tgt Ion	83	Resp	5998
Ion	Ratio	Lower	Upper
83	100		
55	86.0	68.1	102.1
98	27.2	37.9	56.9#





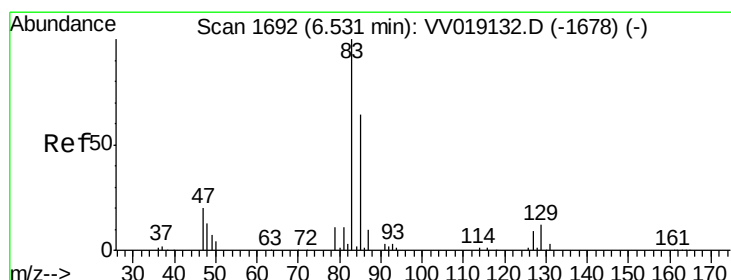
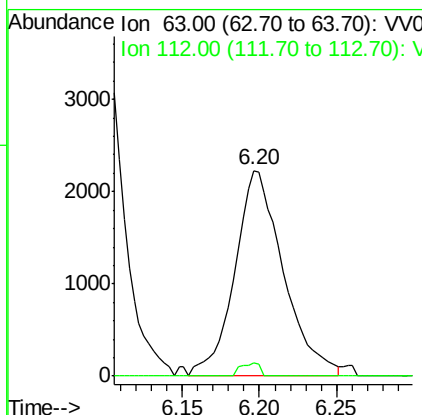
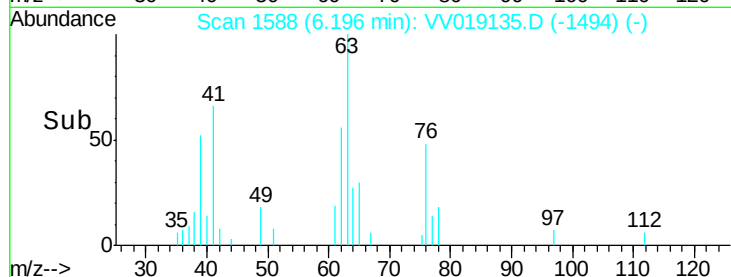
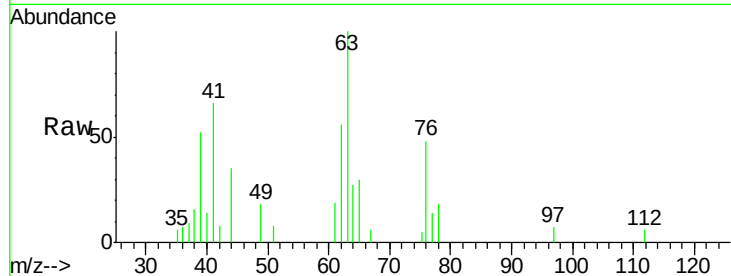
#37
 1,2-Dichloropropane
 Concen: 2.505 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV019135.D
 Acq: 28 Oct 2020 12:11

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion: 63 Resp: 4866
 Ion Ratio Lower Upper
 63 100
 112 1.5 3.5 5.3#

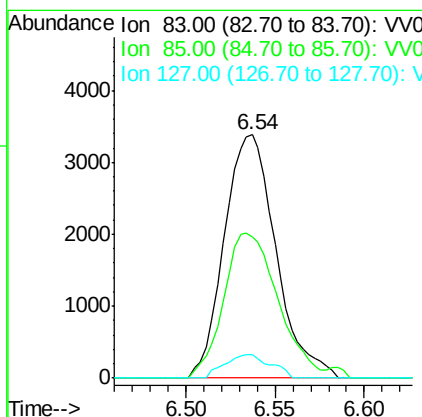
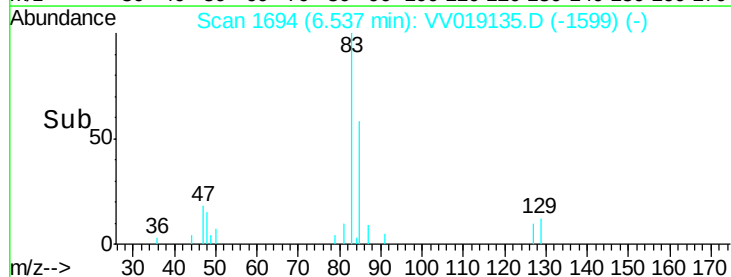
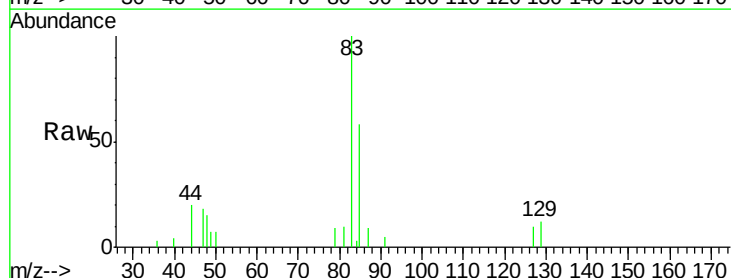
Manual Integrations
 APPROVED

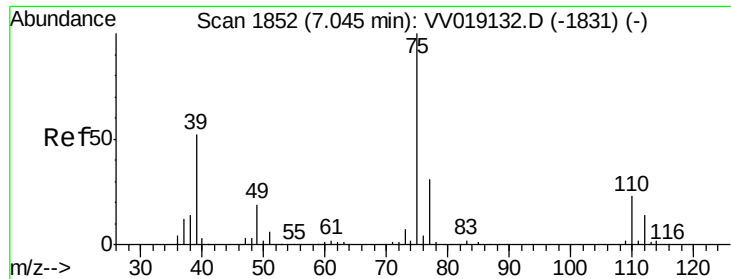
MMDadoda
 10/29/2020 2:58:13 PM



#38
 Bromodichloromethane
 Concen: 2.773 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV019135.D
 Acq: 28 Oct 2020 12:11

Tgt Ion: 83 Resp: 6816
 Ion Ratio Lower Upper
 83 100
 85 58.0 44.9 83.3
 127 9.8 7.0 10.4





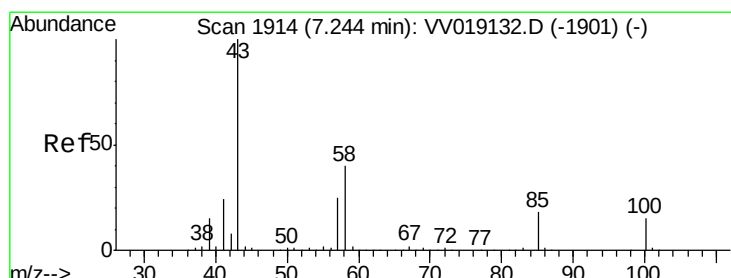
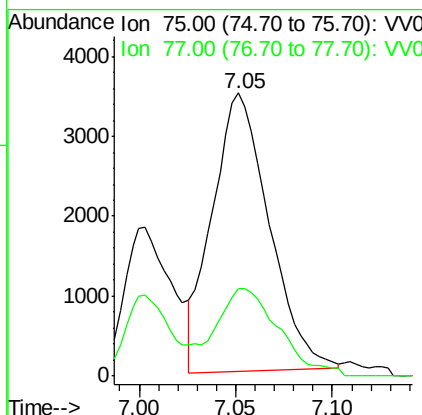
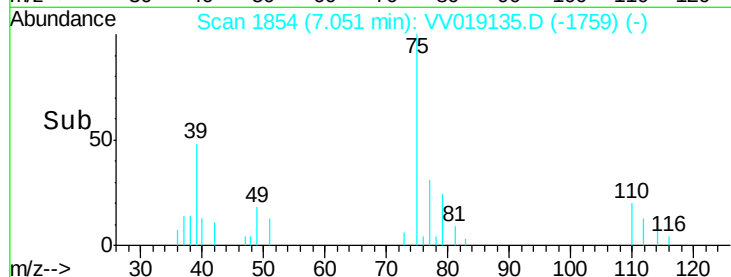
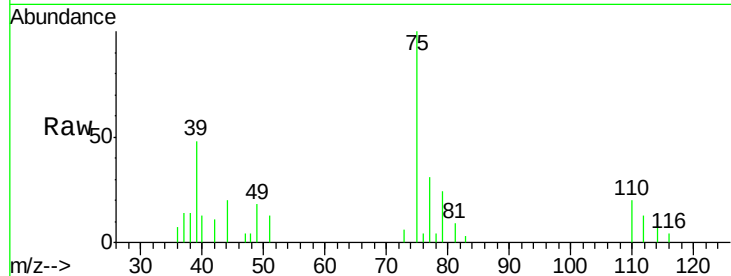
#39
 cis-1,3-Dichloropropene
 Concen: 2.482 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: VV019135.D
 Acq: 28 Oct 2020 12:11

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	22.1	41.1

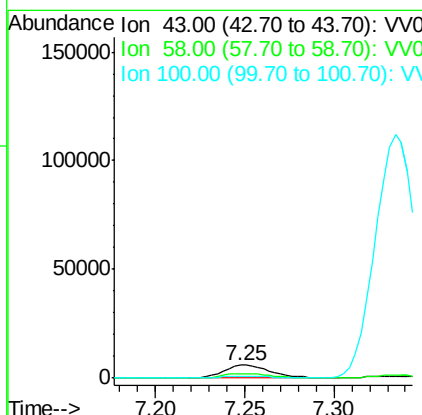
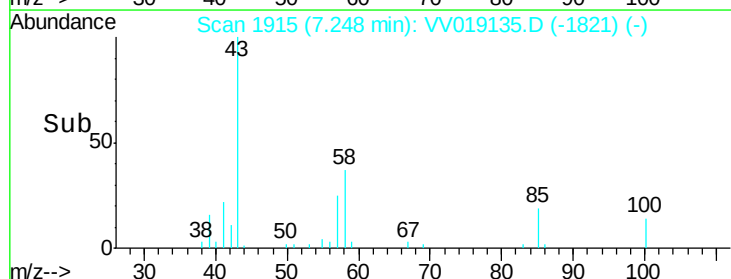
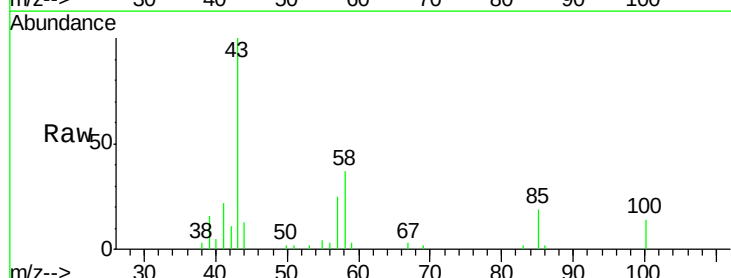
Manual Integrations
 APPROVED

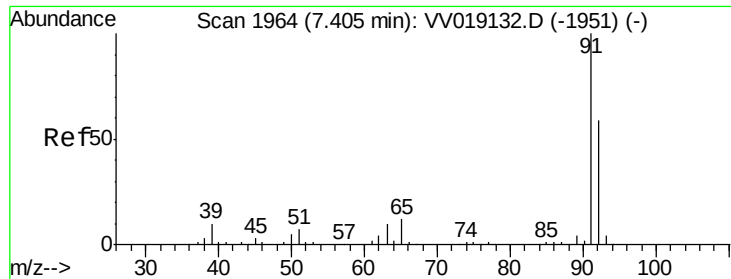
MMDadoda
 10/29/2020 2:58:13 PM



#40
 4-Methyl-2-pentanone
 Concen: 4.150 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV019135.D
 Acq: 28 Oct 2020 12:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.3	29.6	44.4
100	15.5	10.9	16.3





#42

Toluene

Concen: 2.642 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.01 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 91 Resp: 19137

Ion Ratio Lower Upper

91 100

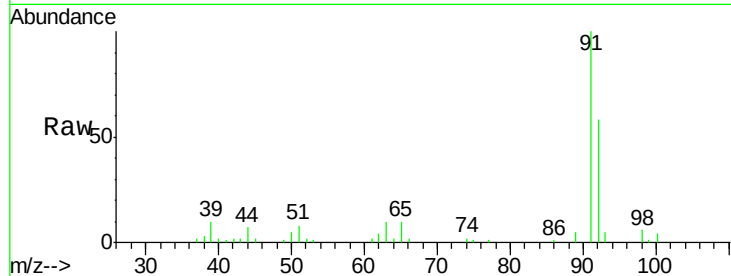
92 57.7 40.9 76.0

Manual Integrations

APPROVED

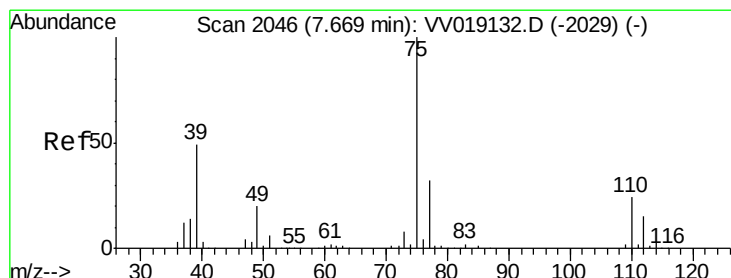
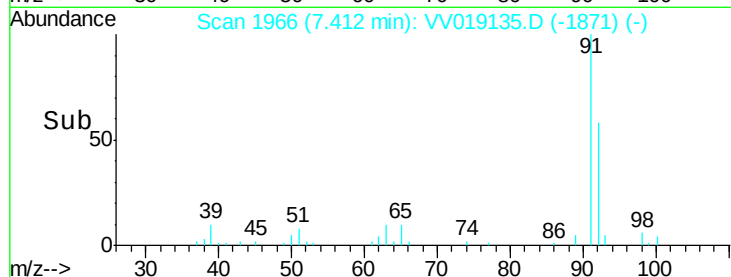
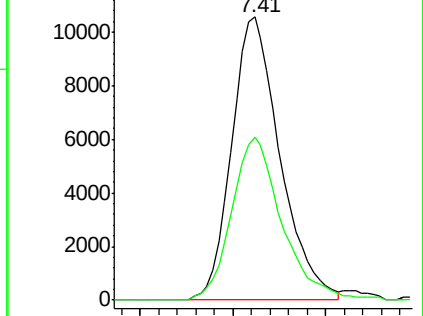
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 2.643 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV019135.D

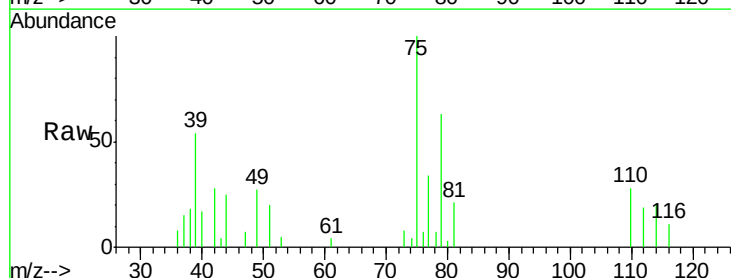
Acq: 28 Oct 2020 12:11

Tgt Ion: 75 Resp: 7526

Ion Ratio Lower Upper

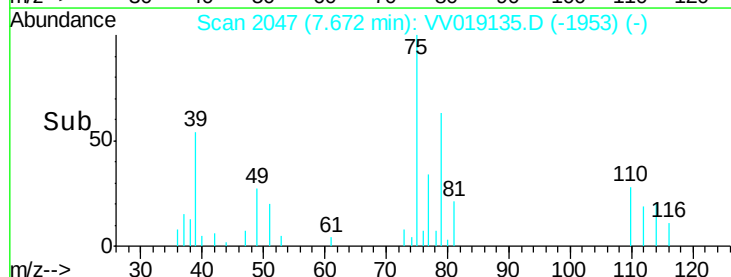
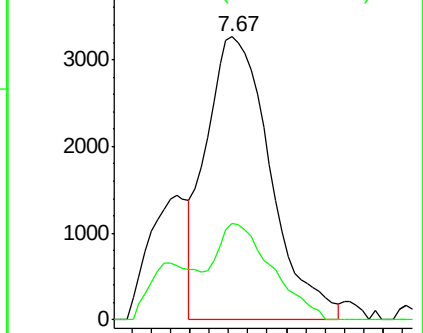
75 100

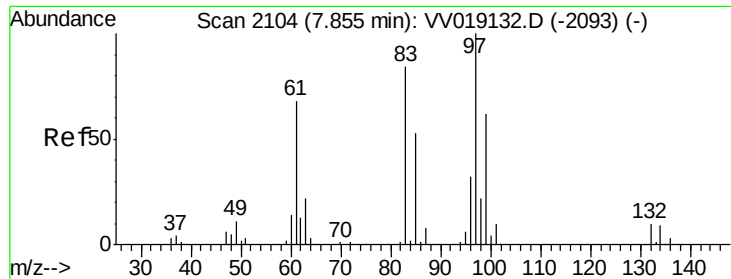
77 34.1 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





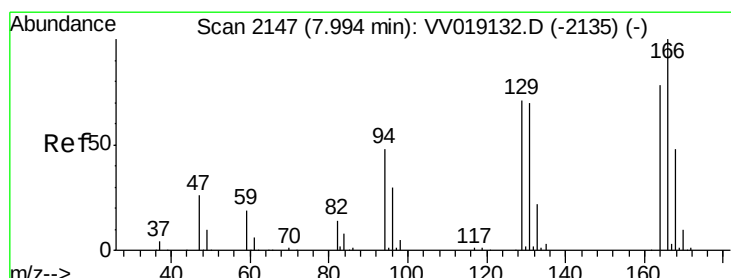
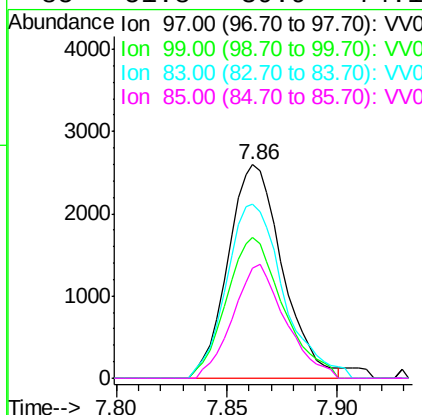
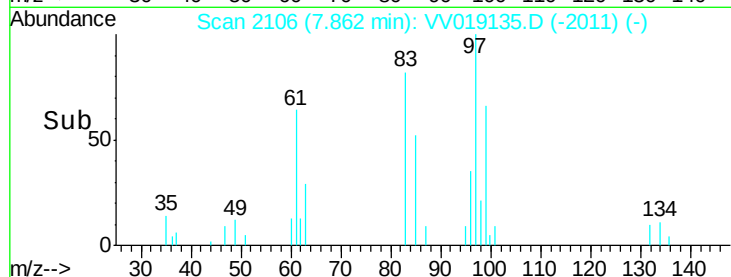
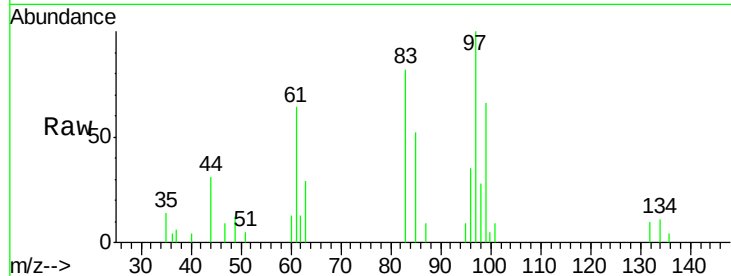
#45
1,1,2-Trichloroethane
Concen: 2.594 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.01 min
Lab File: VV019135.D
Acq: 28 Oct 2020 12:11

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion:	97	Resp:	4451
Ion	Ratio	Lower	Upper
97	100		
99	65.7	43.5	80.9
83	81.8	62.2	115.4
85	51.8	39.9	74.1

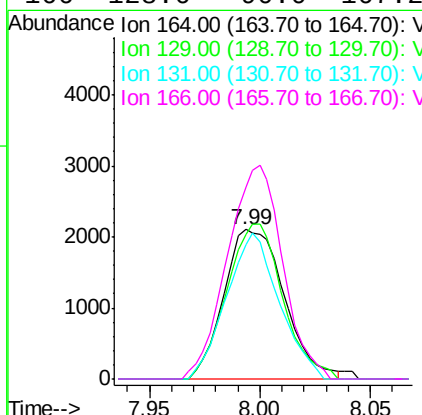
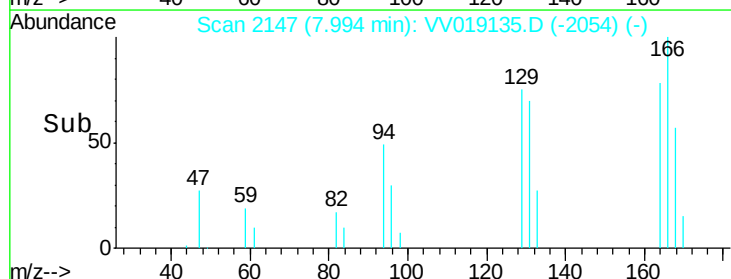
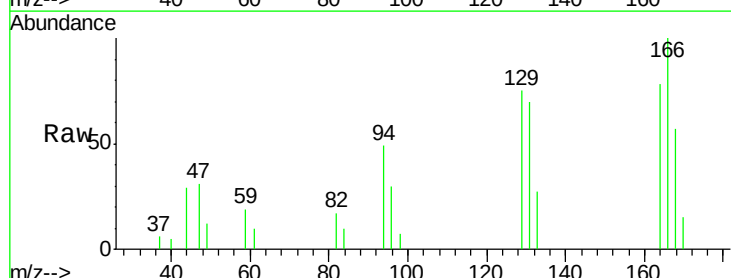
Manual Integrations
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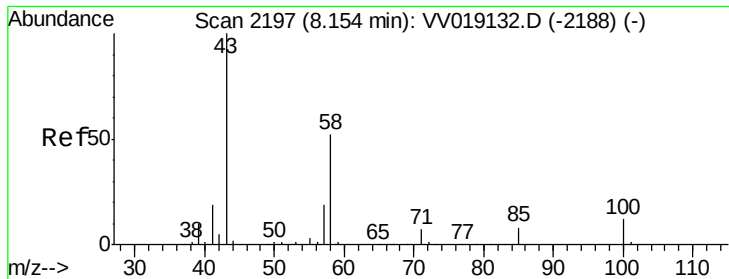
MMDadoda
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#46
Tetrachloroethene
Concen: 2.924 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV019135.D
Acq: 28 Oct 2020 12:11

Tgt Ion:	164	Resp:	4001
Ion	Ratio	Lower	Upper
164	100		
129	97.0	65.5	121.6
131	90.4	62.4	115.8
166	128.6	90.0	167.2





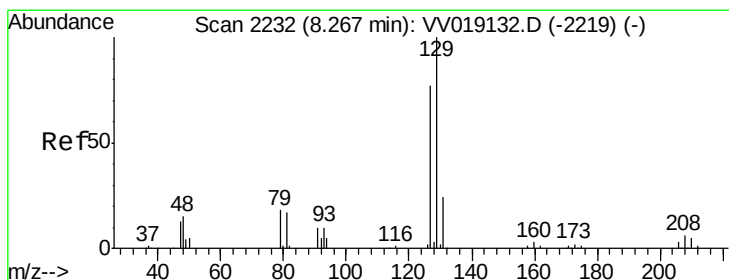
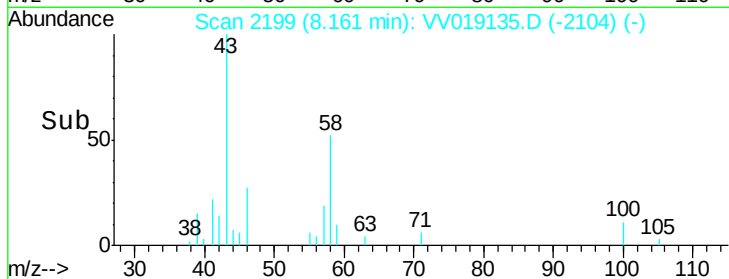
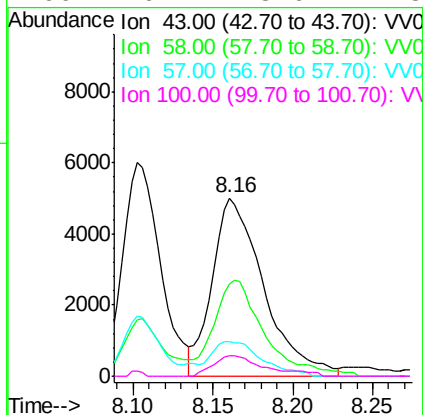
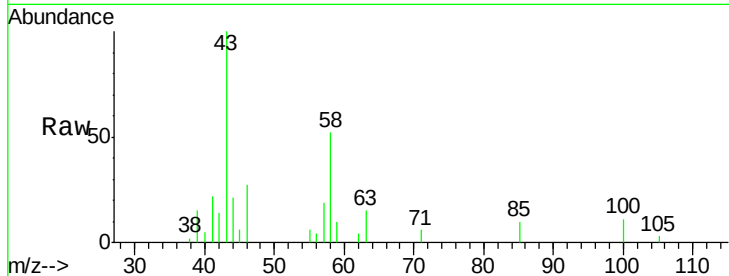
#48
2-Hexanone
Concen: 5.508 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.01 min
Lab File: VV019135.D
Acq: 28 Oct 2020 12:11

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion:	43	Resp:	11139
Ion	Ratio	Lower	Upper
43	100		
58	47.6	41.1	61.7
57	19.2	14.7	22.1
100	10.4	8.6	12.8

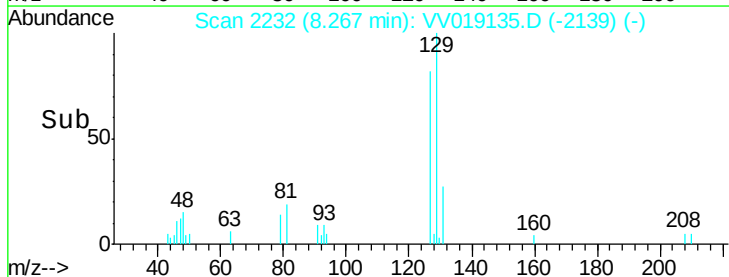
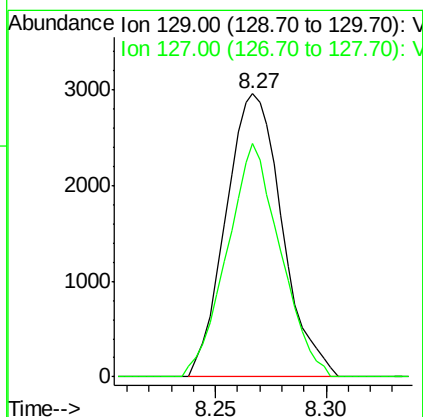
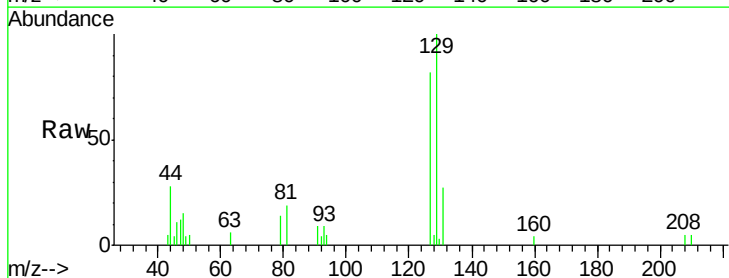
Manual Integrations
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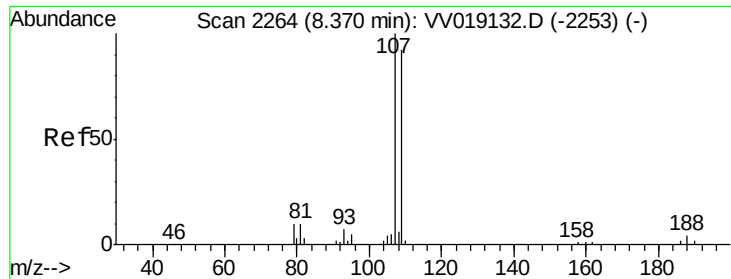
MMDadoda
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#49
Dibromochloromethane
Concen: 2.799 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV019135.D
Acq: 28 Oct 2020 12:11

Tgt Ion:	129	Resp:	5248
Ion	Ratio	Lower	Upper
129	100		
127	82.4	53.7	99.7





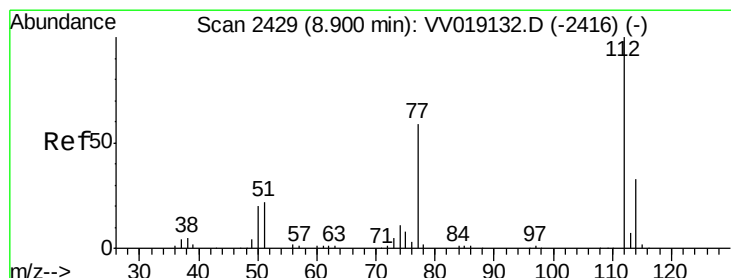
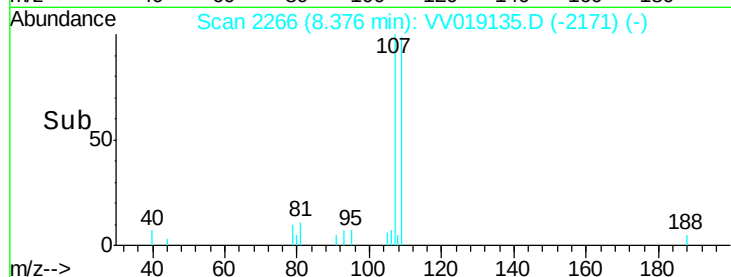
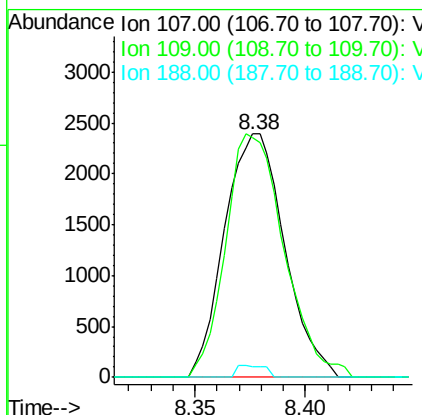
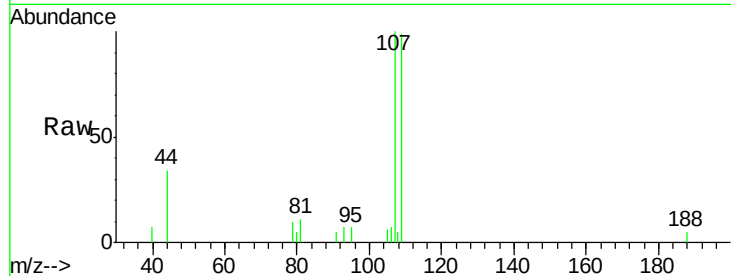
#50
1,2-Dibromoethane
Concen: 2.535 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.01 min
Lab File: VV019135.D
Acq: 28 Oct 2020 12:11

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.6	66.1	122.7
188	4.6	3.2	4.8

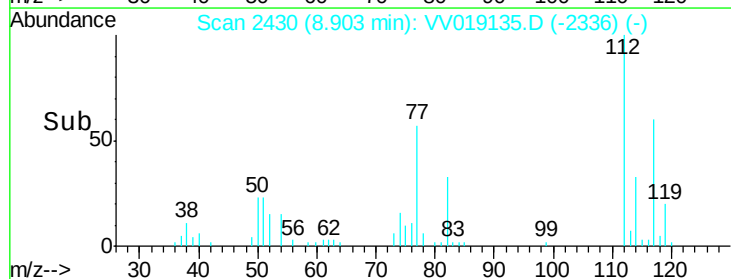
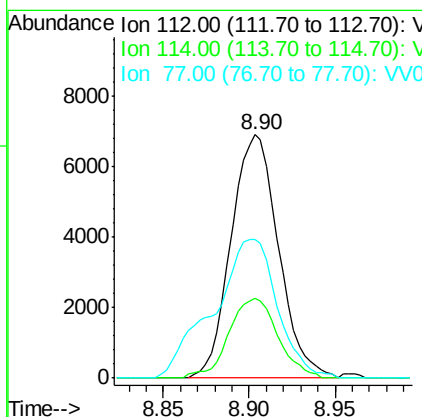
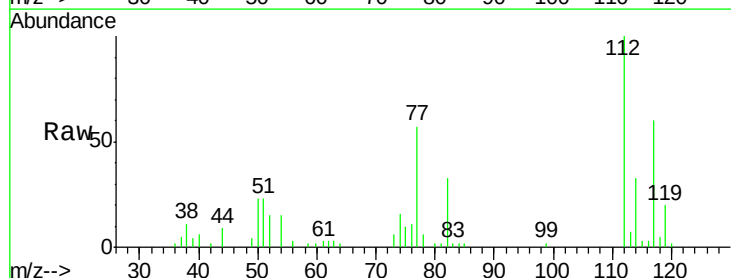
Manual Integrations
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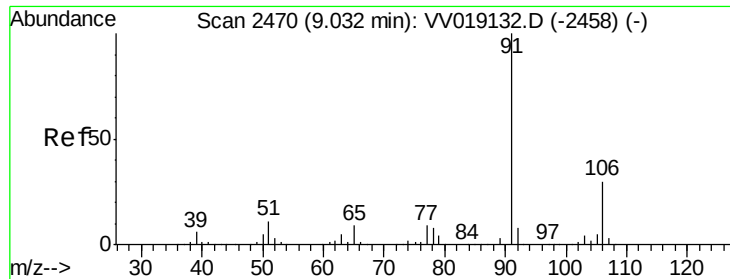
MMDadoda
10/29/2020 2:58:13 PM



#51
Chlorobenzene
Concen: 2.852 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019135.D
Acq: 28 Oct 2020 12:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.2	41.2
77	57.1	49.1	73.7





#52

Ethylbenzene

Concen: 2.538 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 91 Resp: 19880

Ion Ratio Lower Upper

91 100

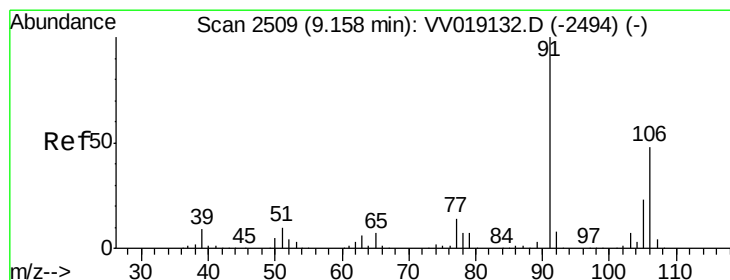
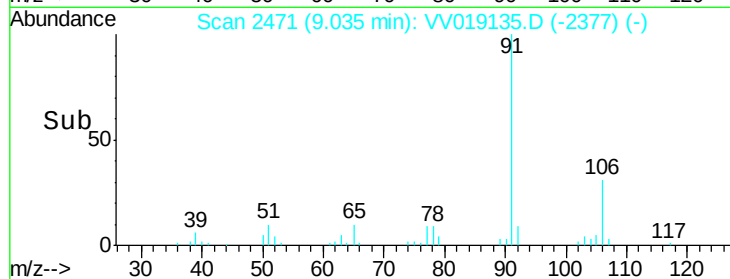
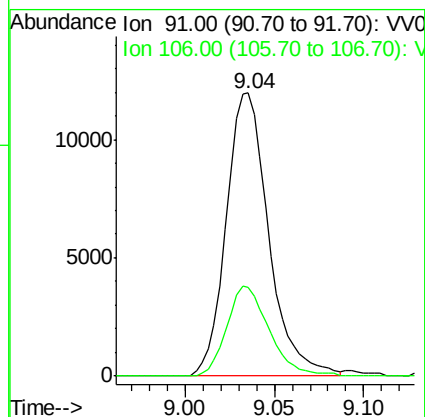
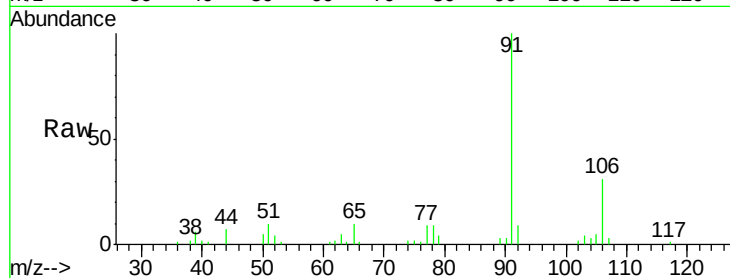
106 31.4 20.9 38.7

Manual Integrations

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#53

m,p-Xylene

Concen: 2.534 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019135.D

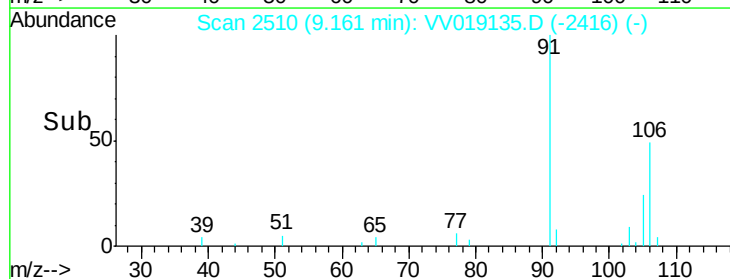
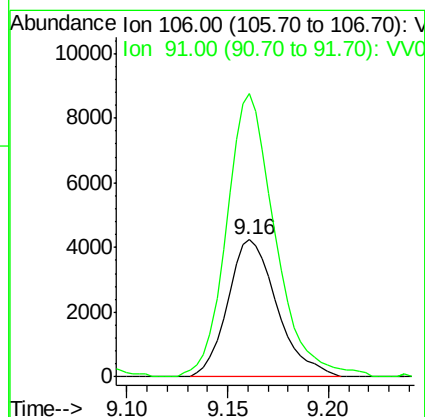
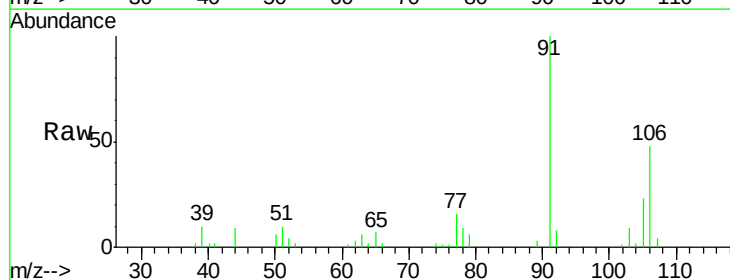
Acq: 28 Oct 2020 12:11

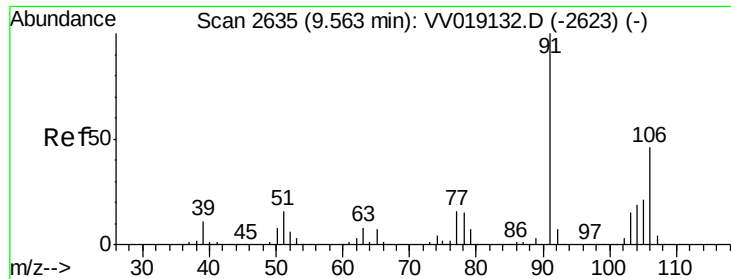
Tgt Ion: 106 Resp: 7265

Ion Ratio Lower Upper

106 100

91 206.6 143.4 266.2





#54

o-xylene

Concen: 2.394 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion:106 Resp: 6608

Ion Ratio Lower Upper

106 100

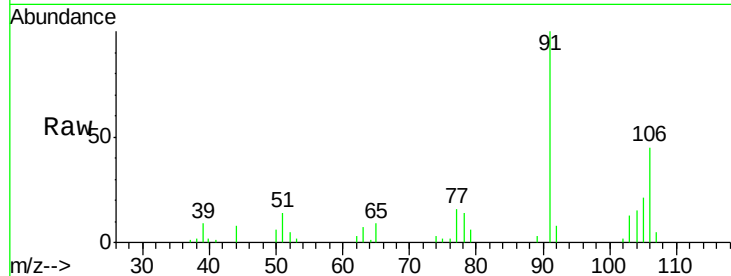
91 221.9 154.3 286.5

Manual Integrations

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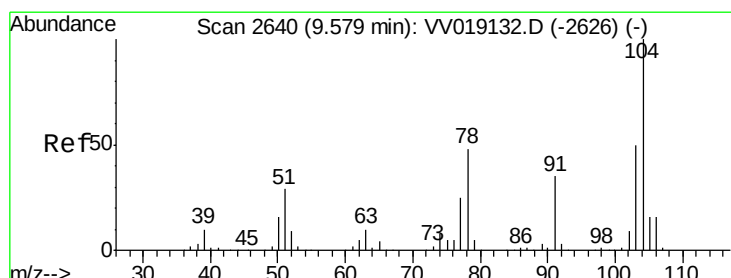
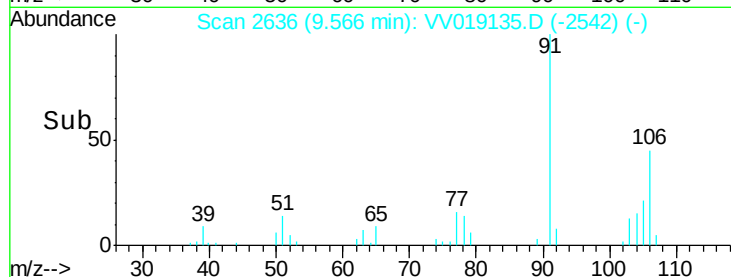
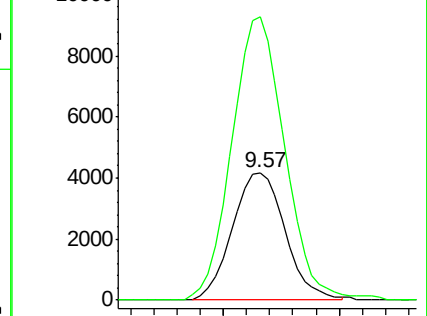
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 2.364 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV019135.D

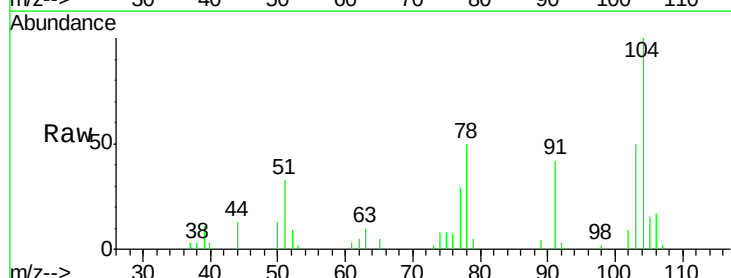
Acq: 28 Oct 2020 12:11

Tgt Ion:104 Resp: 11577

Ion Ratio Lower Upper

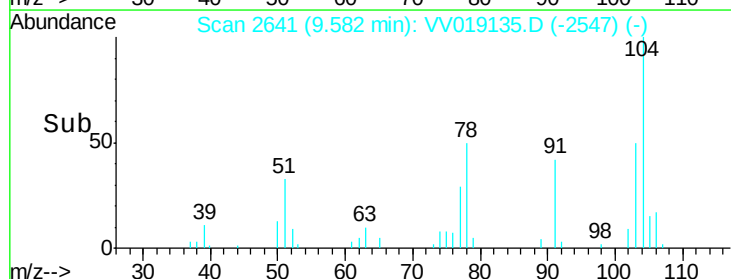
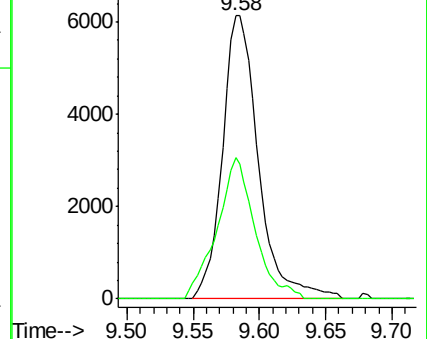
104 100

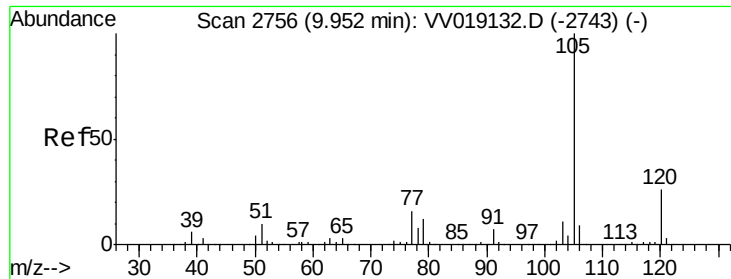
78 49.7 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 2.408 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Instrument :

MSVOA_V

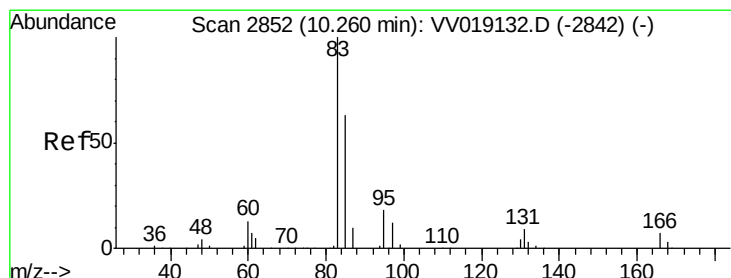
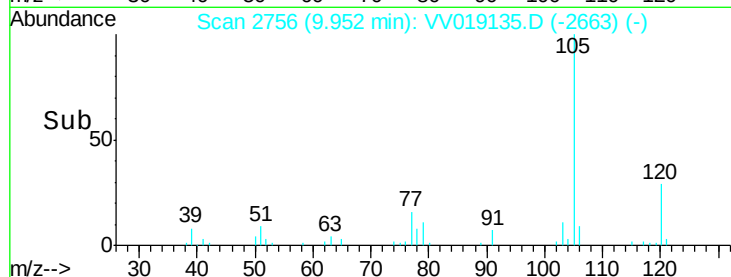
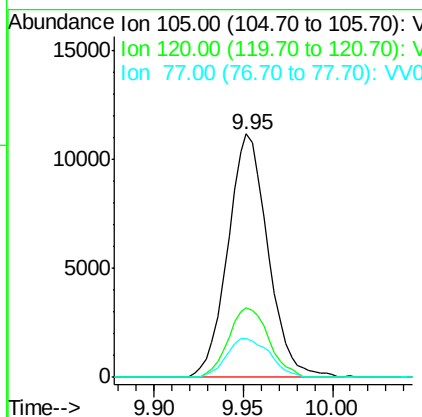
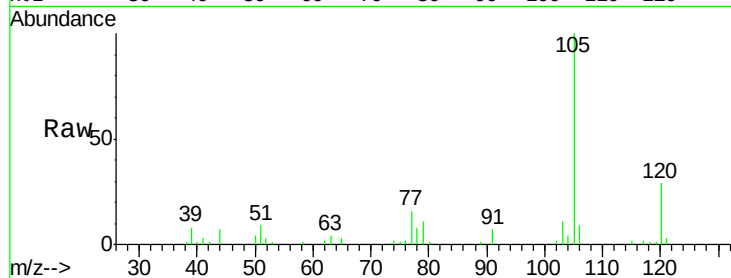
ClientSampleId :

MDL01

Tot Ion:	105	Resp:	17477
Ion Ratio	Lower	Upper	
105	100		
120	28.7	20.6	31.0
77	17.2	13.4	20.0

Manual Integrations
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10/29/2020 2:58:13 PM



#58

1,1,2,2-Tetrachloroethane

Concen: 2.620 ug/L

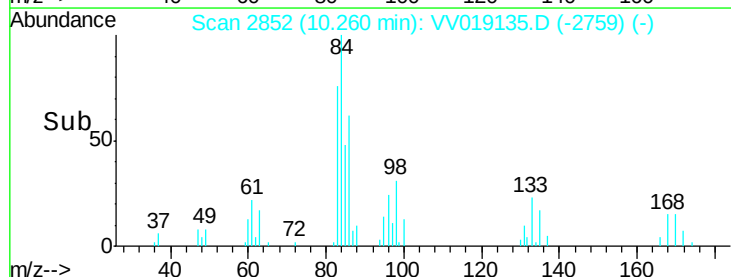
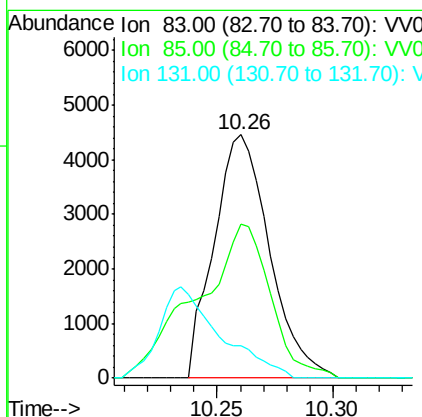
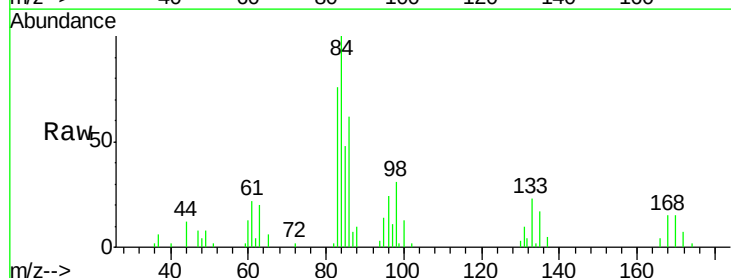
RT: 10.26 min Scan# 2852

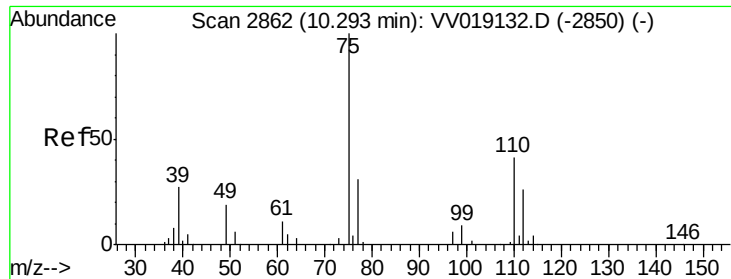
Delta R.T. -0.00 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Tgt Ion:	83	Resp:	7396
Ion Ratio	Lower	Upper	
83	100		
85	63.1	44.2	82.2
131	13.3	7.4	11.2#





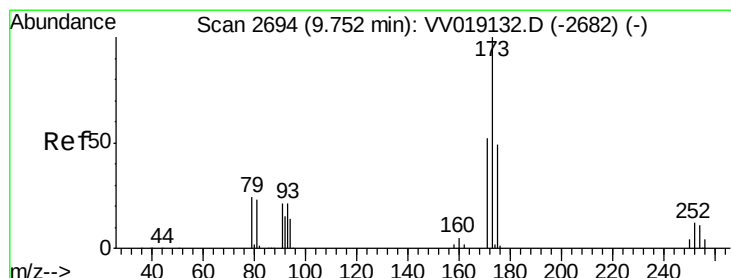
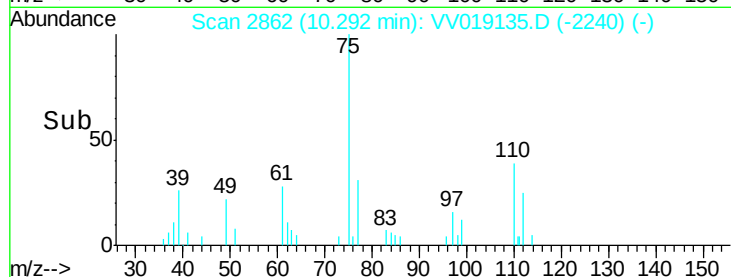
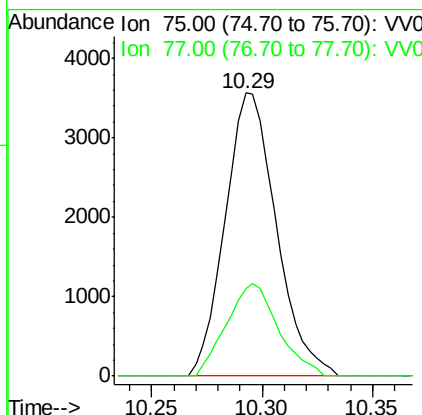
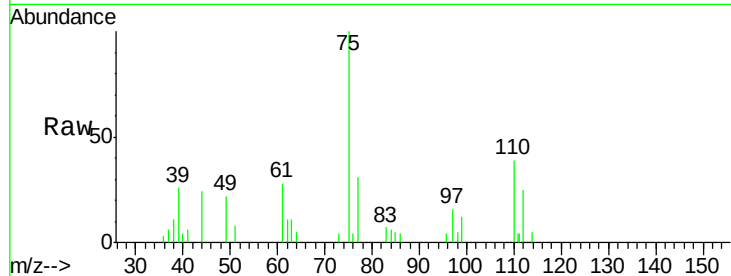
#59
 1,2,3-Trichloropropane
 Concen: 2.529 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV019135.D
 Acq: 28 Oct 2020 12:11

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion: 75 Resp: 5744
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.9 38.9

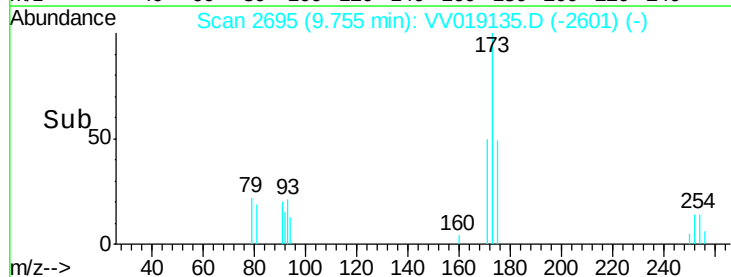
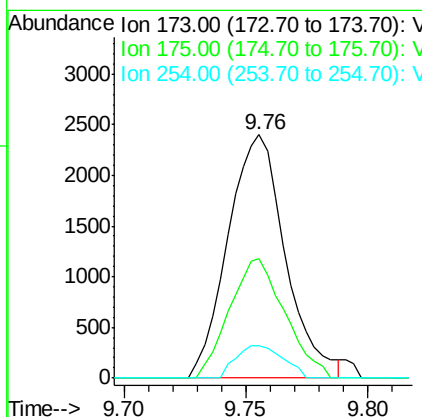
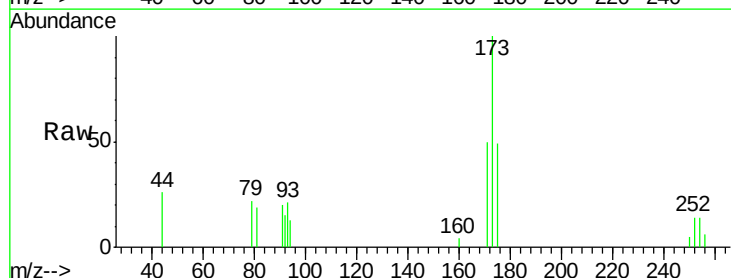
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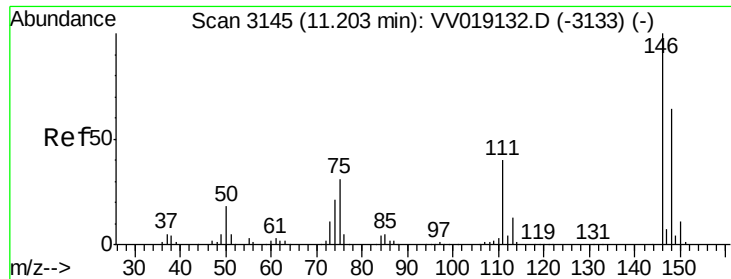
MMDadoda
 10/29/2020 2:58:13 PM



#61
 Bromoform
 Concen: 2.903 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV019135.D
 Acq: 28 Oct 2020 12:11

Tgt Ion: 173 Resp: 3917
 Ion Ratio Lower Upper
 173 100
 175 47.2 38.3 57.5
 254 11.0 8.3 12.5





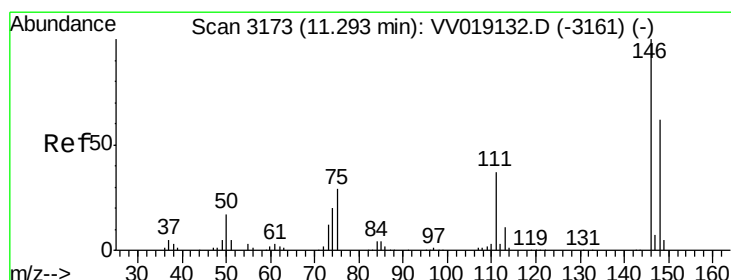
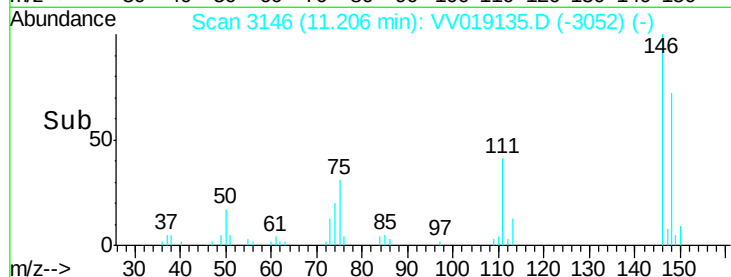
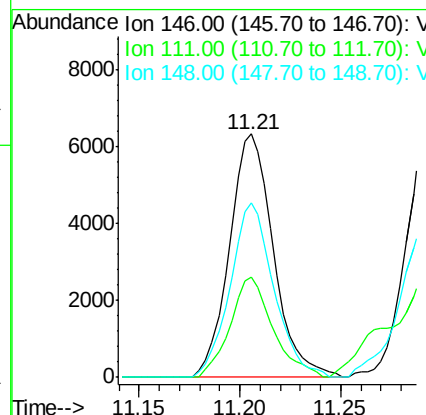
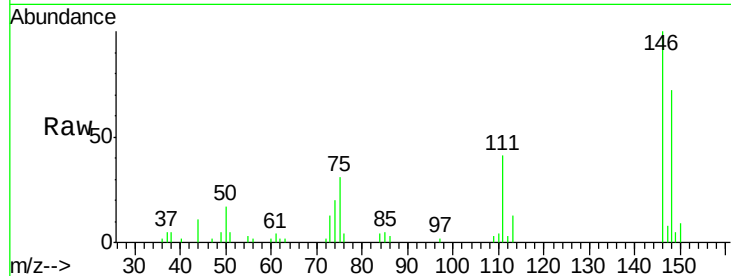
#62
 1,3-Dichlorobenzene
 Concen: 2.683 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019135.D
 Acq: 28 Oct 2020 12:11

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	28.8	53.4
148	71.8	44.5	82.7

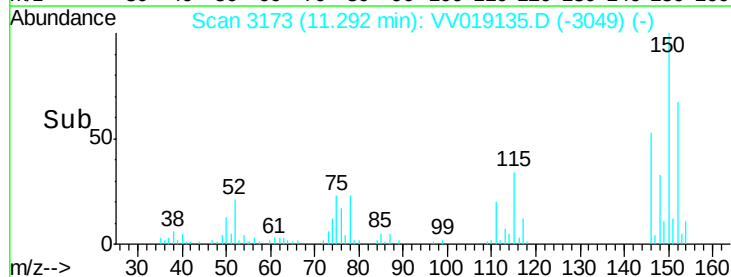
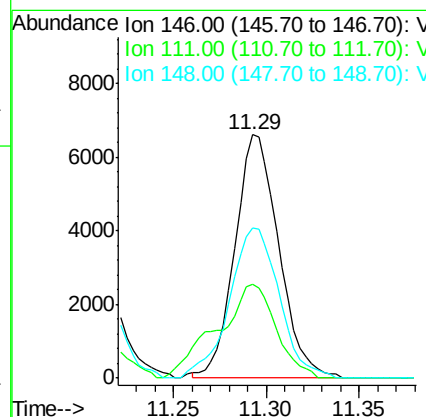
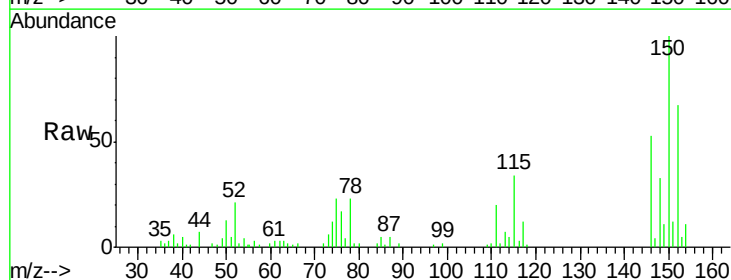
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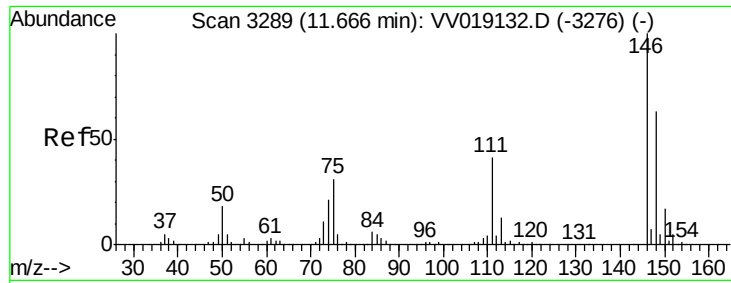
MMDadoda
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#63
 1,4-Dichlorobenzene
 Concen: 2.897 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV019135.D
 Acq: 28 Oct 2020 12:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	27.8	51.6
148	61.7	45.1	83.9





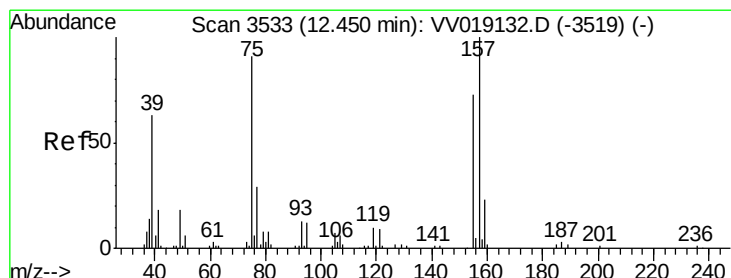
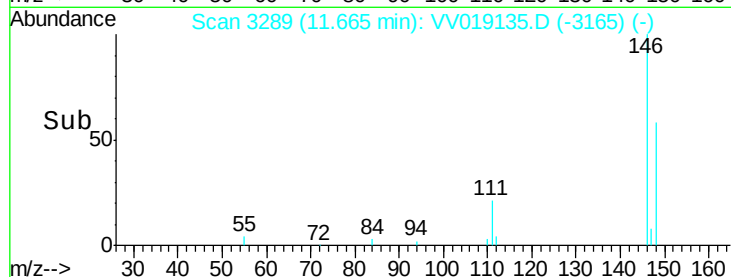
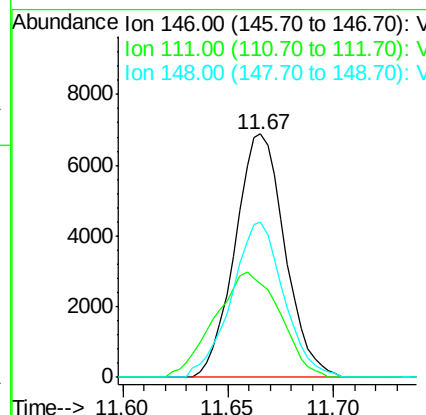
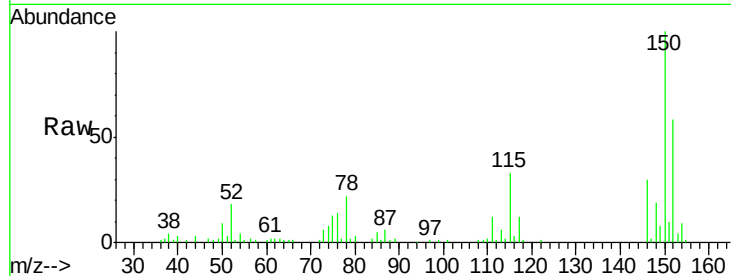
#65
 1,2-Dichlorobenzene
 Concen: 3.117 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV019135.D
 Acq: 28 Oct 2020 12:11

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	33.3	49.9
148	64.0	51.1	76.7

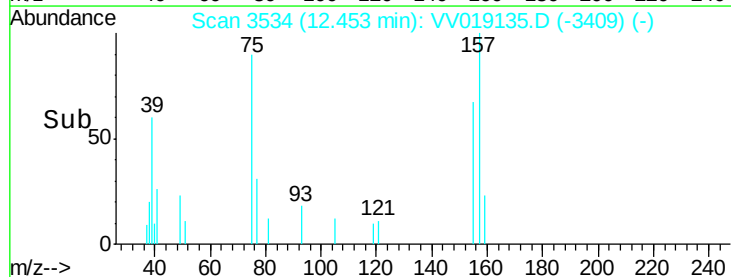
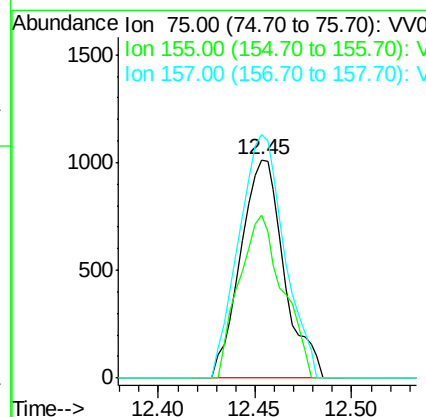
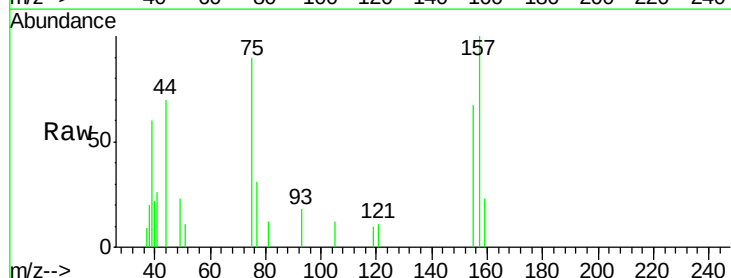
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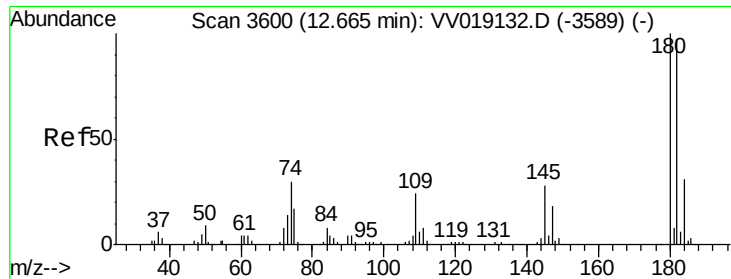
MMDadoda
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.471 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV019135.D
 Acq: 28 Oct 2020 12:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.5	62.2	93.4
157	111.5	79.9	119.9





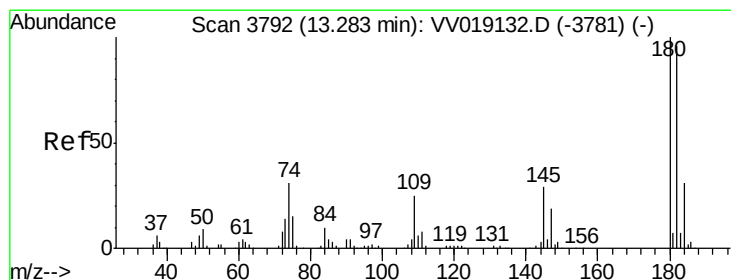
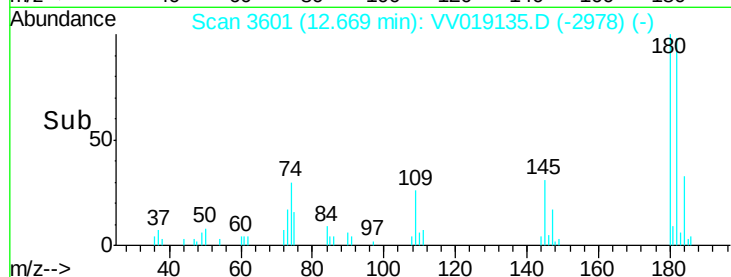
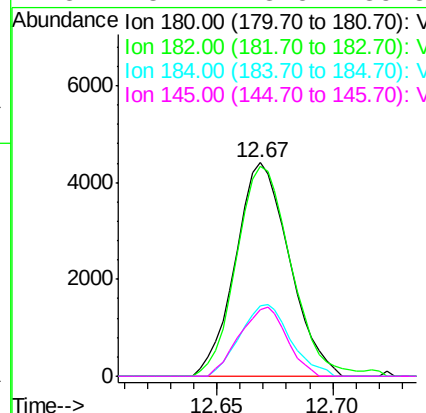
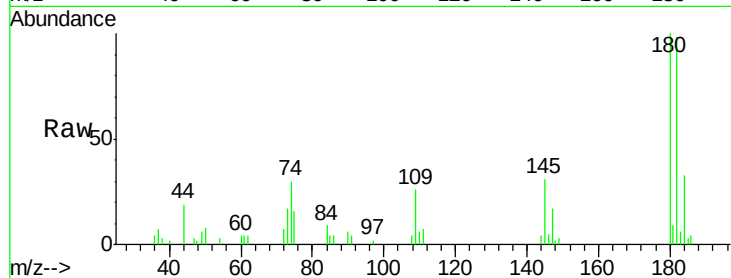
#67
 1,3,5-Trichlorobenzene
 Concen: 2.896 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019135.D
 Acq: 28 Oct 2020 12:11

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion:	180	Resp:	7111
Ion	Ratio	Lower	Upper
180	100		
182	99.4	77.4	116.0
184	31.5	24.7	37.1
145	28.4	23.5	35.3

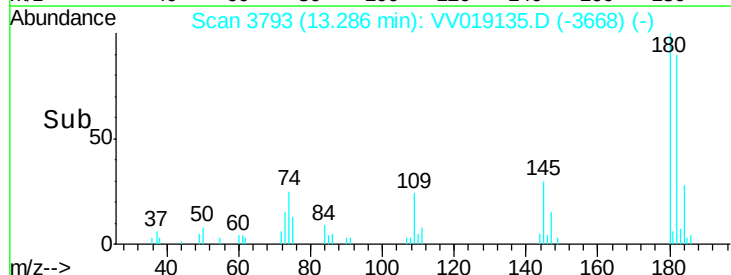
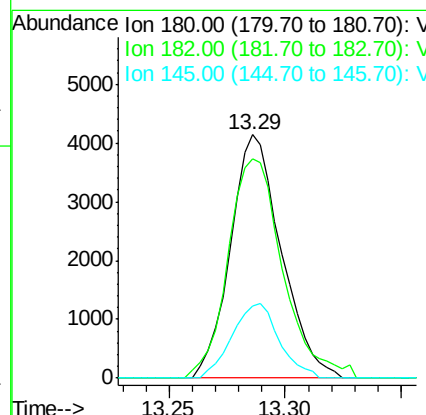
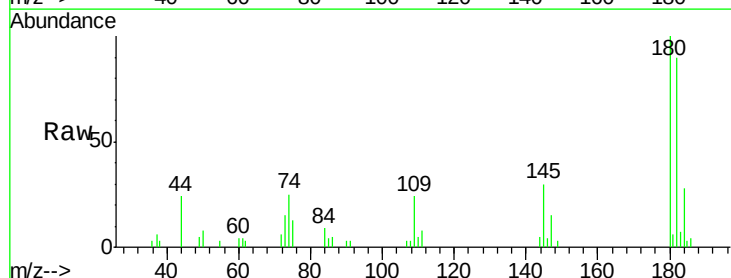
Manual Integrations
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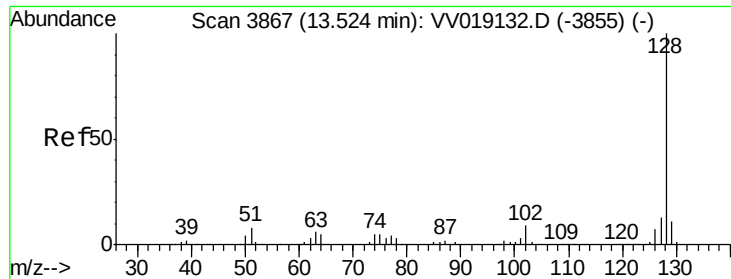
MMDadoda
 10/29/2020 2:58:13 PM



#68
 1,2,4-trichlorobenzene
 Concen: 2.708 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019135.D
 Acq: 28 Oct 2020 12:11

Tgt Ion:	180	Resp:	6270
Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.4	116.2
145	28.5	23.7	35.5





#69

Naphthalene

Concen: 1.950 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Instrument :

MSVOA_V

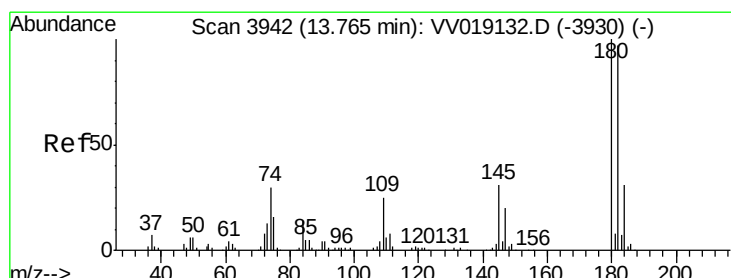
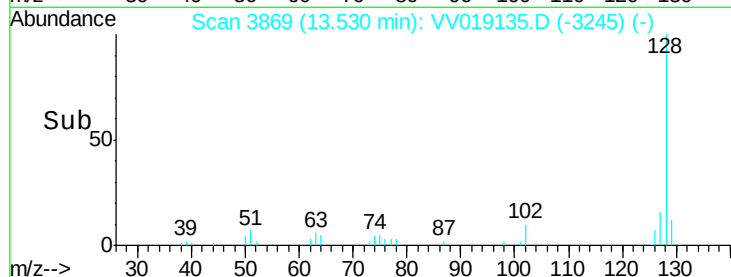
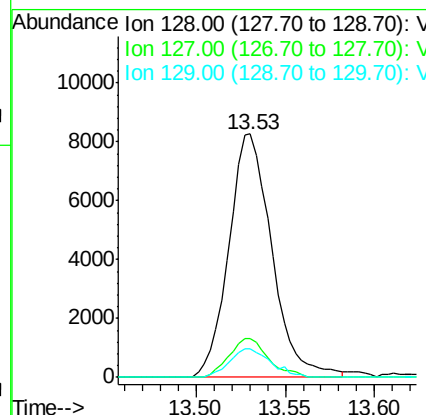
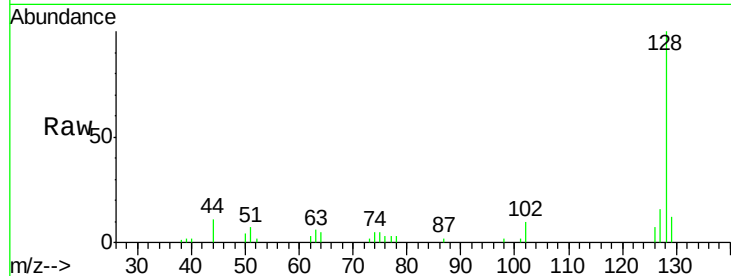
ClientSampled :

MDL01

Tot Ion:	128	Resp:	13910
Ion Ratio	Lower	Upper	
128	100		
127	14.4	10.6	15.8
129	11.1	8.7	13.1

Manual Integrations
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MMDadoda
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#70

1,2,3-Trichlorobenzene

Concen: 2.638 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV019135.D

Acq: 28 Oct 2020 12:11

Tgt Ion:	180	Resp:	6188
Ion Ratio	Lower	Upper	
180	100		
182	90.2	76.9	115.3
145	29.2	25.6	38.4

