

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090420\
 Data File : VW016460.D
 Acq On : 04 Sep 2020 12:31
 Operator : SY/VA
 Sample : MDL02
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 10:12:19 AM

Quant Time: Sep 05 04:49:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 05 04:32:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	764387	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	684698	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	333984	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	177460	21.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.52%
7) Chloroethane-d5	2.90	69	165045	22.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.64%
10) 1,1-Dichloroethene-d2	4.03	63	289803	15.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.16%
20) 2-Butanone-d5	7.08	46	125549	43.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.70%
24) Chloroform-d	7.65	84	393447	21.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.88%
26) 1,2-Dichloroethane-d4	8.31	65	217572m	22.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.88%
29) Benzene-d6	8.28	84	796785	22.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.56%
33) 1,2-Dichloropropane-d6	9.28	67	228078	22.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.20%
37) Toluene-d8	10.33	98	763667	23.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.32%
38) trans-1,3-Dichloropropene-	10.58	79	114686	22.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.92%
39) 2-Hexanone-d5	10.93	63	101658	48.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	202479	23.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.64%
61) 1,2-Dichlorobenzene-d4	13.86	152	273994	23.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	4445	0.520 ug/L #	81
3) Chloromethane	2.22	50	4739	0.631 ug/L	98
5) Vinyl chloride	2.37	62	6828	0.714 ug/L #	43
6) Bromomethane	2.79	94	4390	0.614 ug/L	98
8) Chloroethane	2.93	64	3580m	0.609 ug/L	
9) Trichlorofluoromethane	3.27	101	4183	0.534 ug/L #	67
11) 1,1,2-Trichloro-1,2,2-trif	4.09	101	8312m	0.897 ug/L	
12) 1,1-Dichloroethene	4.04	96	7716	0.819 ug/L #	1
13) Acetone	4.13	43	5364m	2.886 ug/L	
14) Carbon disulfide	4.39	76	15227	0.529 ug/L #	89
15) Methyl Acetate	4.68	43	2723m	0.604 ug/L	
16) Methylene chloride	4.92	84	28496m	2.389 ug/L	
17) Methyl tert-butyl Ether	5.43	73	9330	0.660 ug/L #	57
18) trans-1,2-Dichloroethene	5.43	96	5815	0.581 ug/L	93
19) 1,1-Dichloroethane	6.22	63	9572	0.562 ug/L	91
21) 2-Butanone	7.14	43	10356m	3.319 ug/L	
22) cis-1,2-Dichloroethene	7.18	96	6671	0.640 ug/L	88

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

23) Bromochloromethane	7.52	128	2808m	0.581	ug/L	
25) Chloroform	7.69	83	12108m	0.687	ug/L	
27) 1,2-Dichloroethane	8.40	62	7243	0.617	ug/L #	91
30) Cyclohexane	7.96	56	9057	0.554	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	8934m	0.603	ug/L	
32) Carbon tetrachloride	8.07	117	8274	0.583	ug/L	99
34) Benzene	8.33	78	21543	0.575	ug/L	100
35) Trichloroethene	9.10	95	6437	0.621	ug/L	96
36) Methylcyclohexane	9.34	83	11042m	0.608	ug/L	
40) 1,2-Dichloropropane	9.38	63	5383	0.582	ug/L #	94
41) Bromodichloromethane	9.65	83	7144	0.552	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	9066	0.577	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	12974	1.979	ug/L	94
44) Toluene	10.39	91	24840	0.593	ug/L	99
45) trans-1,3-Dichloropropene	10.62	75	7587	0.540	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	4550	0.620	ug/L	97
47) Tetrachloroethene	10.87	164	4847	0.583	ug/L	80
49) 2-Hexanone	10.97	43	5176	1.134	ug/L	94
50) Dibromochloromethane	11.13	129	5335	0.575	ug/L	93
51) 1,2-Dibromoethane	11.24	107	4497	0.613	ug/L #	91
52) Chlorobenzene	11.66	112	15249	0.574	ug/L	94
53) Ethylbenzene	11.73	91	26886	0.570	ug/L	94
54) m,p-Xylene	11.84	106	10436	0.579	ug/L	87
55) o-xylene	12.17	106	9812	0.571	ug/L	95
56) Styrene	12.18	104	15954	0.541	ug/L	99
57) Isopropylbenzene	12.47	105	28130	0.598	ug/L #	86
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	6216	0.711	ug/L #	96
59) 1,2,3-Trichloropropane	12.77	75	4018m	0.615	ug/L	
62) Bromoform	12.35	173	2742	0.489	ug/L #	91
63) 1,3-Dichlorobenzene	13.51	146	11997	0.571	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	12274	0.589	ug/L	88
65) 1,2-Dichlorobenzene	13.87	146	10553	0.565	ug/L #	82
66) 1,2-Dibromo-3-chloropropan	14.48	75	1101	0.633	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	8519	0.588	ug/L	93
68) 1,2,4-trichlorobenzene	15.13	180	6875	0.548	ug/L	95
69) Naphthalene	15.37	128	13230	0.500	ug/L	97
70) 1,2,3-Trichlorobenzene	15.56	180	5535	0.514	ug/L	98

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

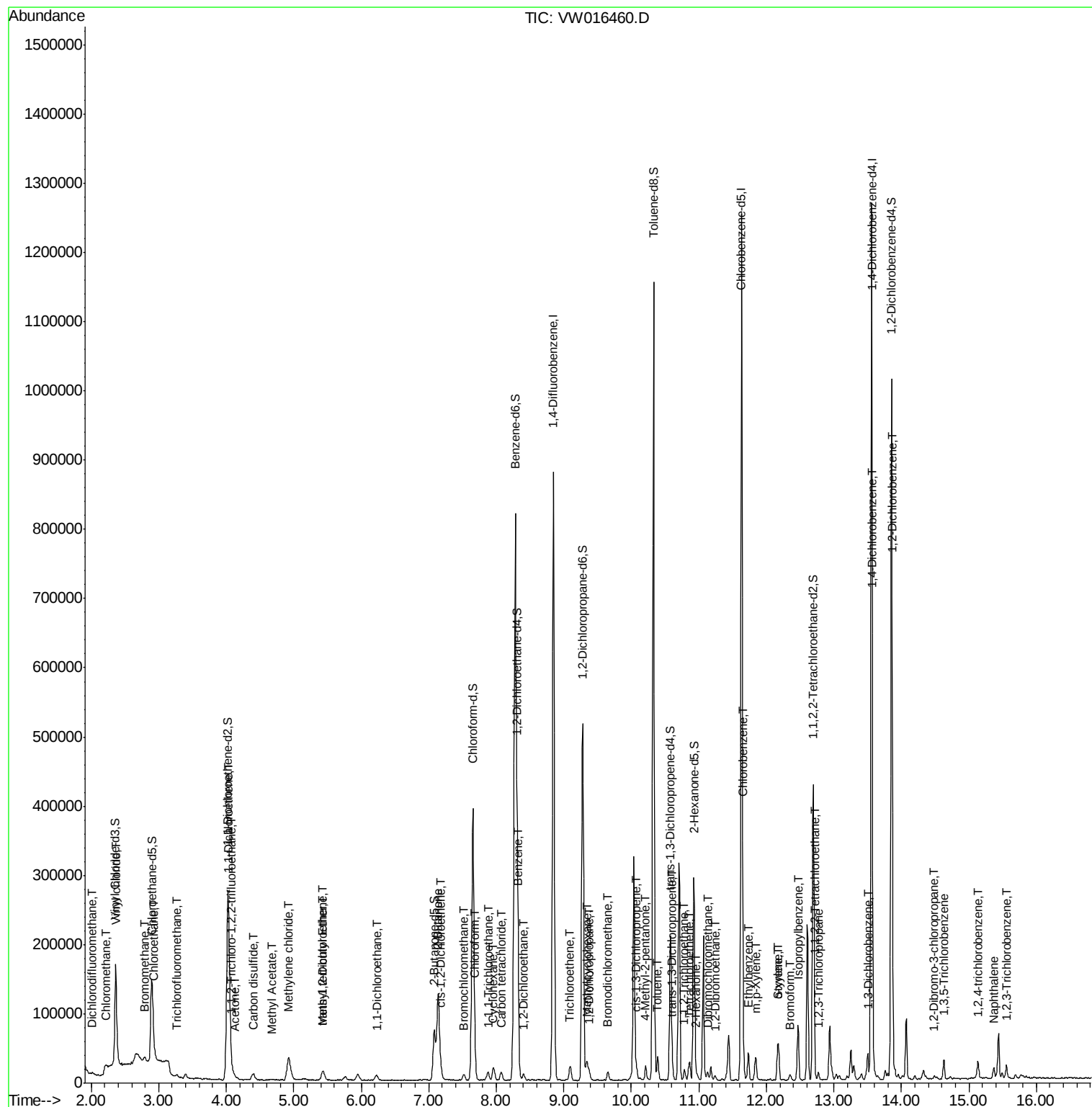
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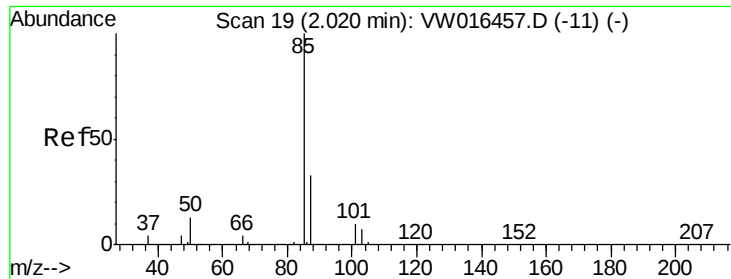
Instrument :
MSVOA_W
ClientSampled :
MDL02

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#2

Dichlorodifluoromethane

Concen: 0.520 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW016460.D

Acq: 04 Sep 2020 12:31

Instrument :

MSVOA_W

ClientSampled :

MDL02

Tot Ion: 85 Resp: 4445

Ion Ratio Lower Upper

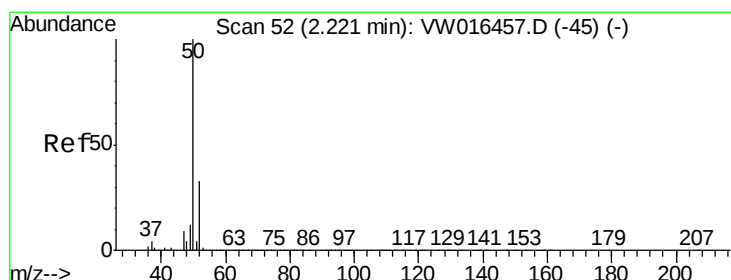
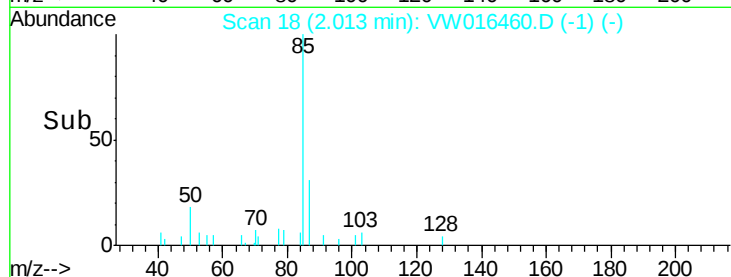
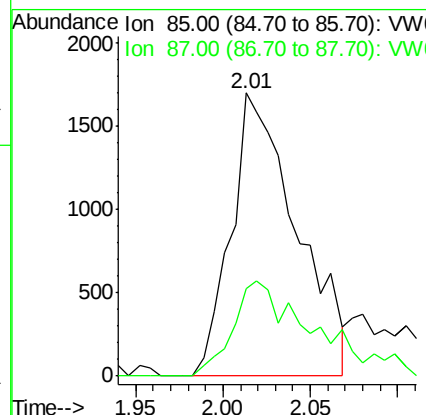
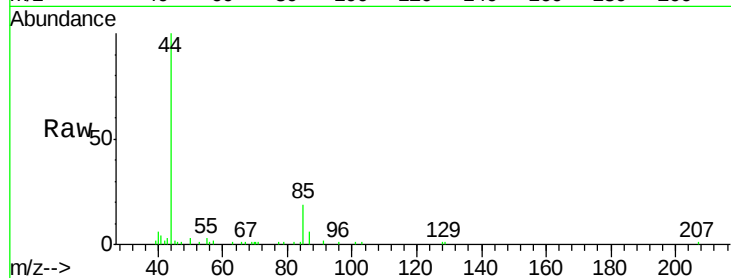
85 100

87 21.3 22.3 41.5#

Manual Integrations
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#3

Chloromethane

Concen: 0.631 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW016460.D

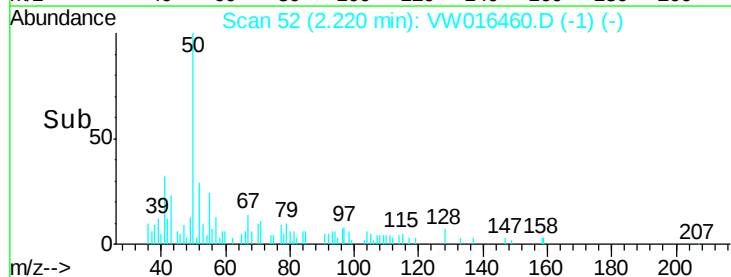
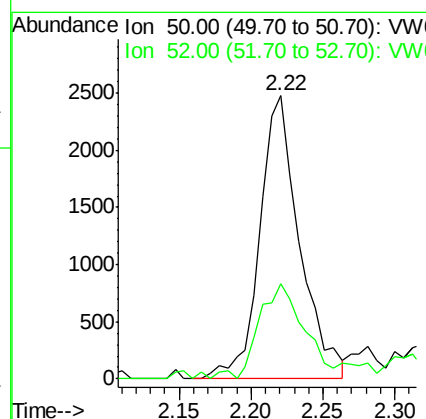
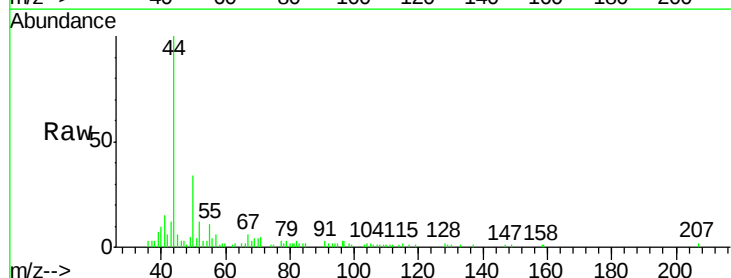
Acq: 04 Sep 2020 12:31

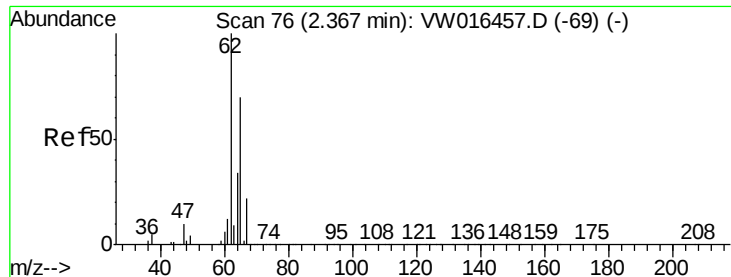
Tgt Ion: 50 Resp: 4739

Ion Ratio Lower Upper

50 100

52 33.9 23.0 42.6





#5

Vinyl chloride

Concen: 0.714 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW016460.D

Acq: 04 Sep 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

MDL02

Tot Ion: 62 Resp: 6828

Ion Ratio Lower Upper

62 100

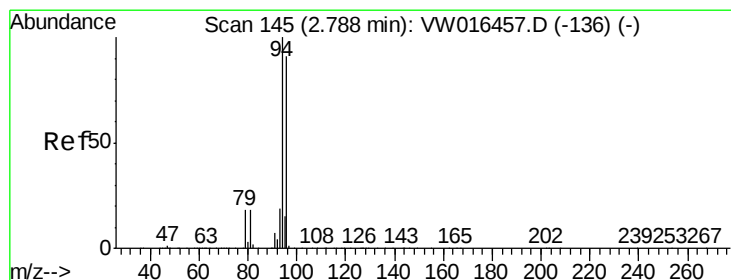
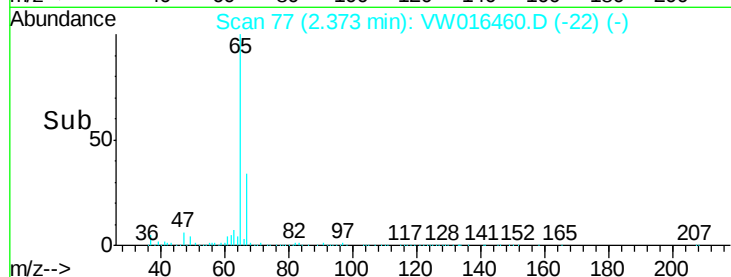
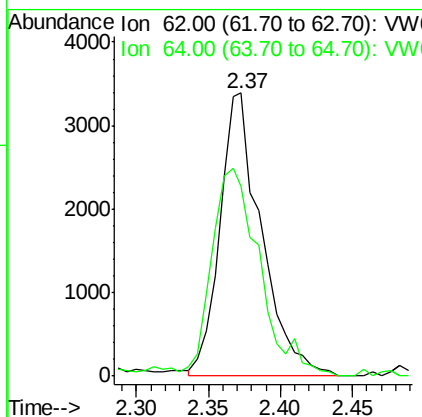
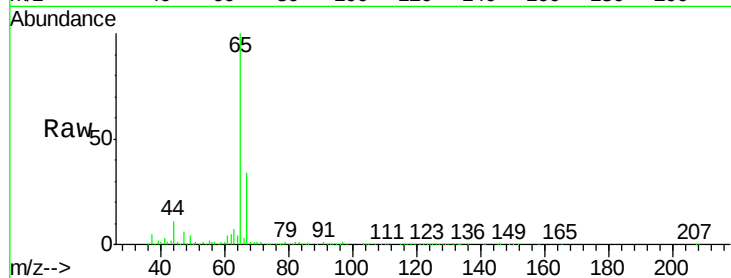
64 66.9 23.9 44.5#

Manual Integrations

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#6

Bromomethane

Concen: 0.614 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.01 min

Lab File: VW016460.D

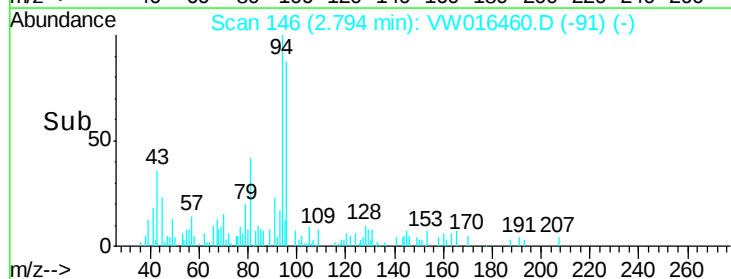
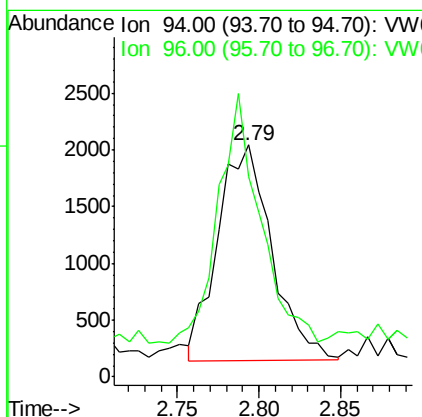
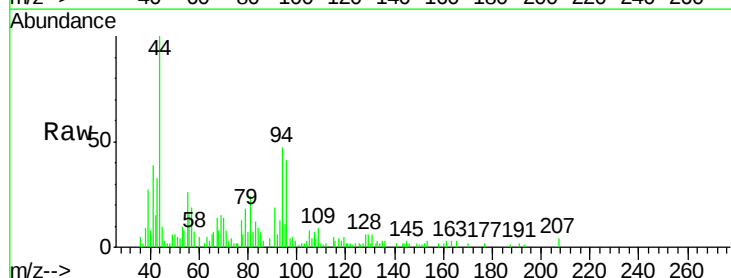
Acq: 04 Sep 2020 12:31

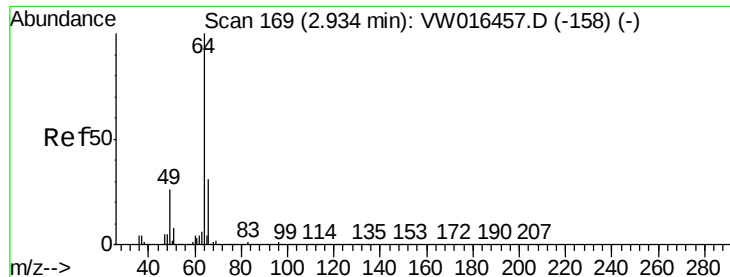
Tgt Ion: 94 Resp: 4390

Ion Ratio Lower Upper

94 100

96 91.5 9.4 178.2





#8

Chloroethane

Concen: 0.609 ug/L m

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW016460.D

Acq: 04 Sep 2020 12:31

Instrument :

MSVOA_W

ClientSampled :

MDL02

Tot Ion: 64 Resp: 3580

Ion Ratio Lower Upper

64 100

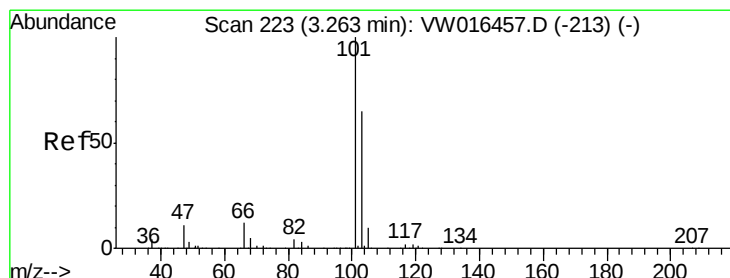
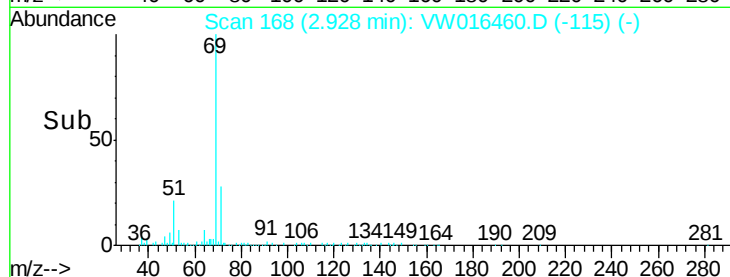
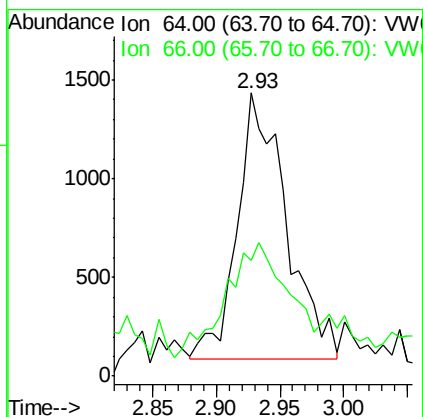
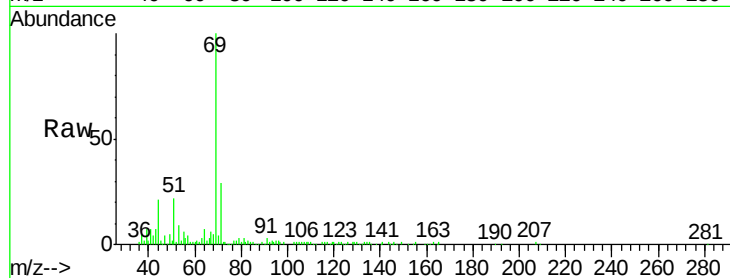
66 40.7 22.4 41.6

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.534 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW016460.D

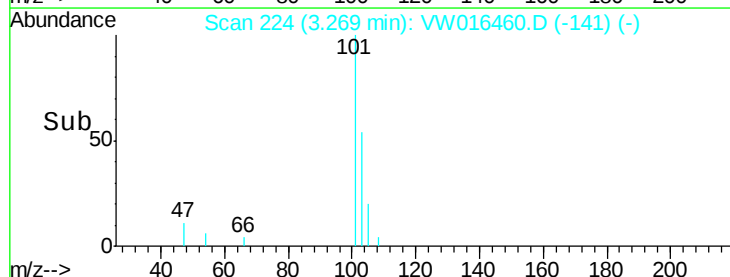
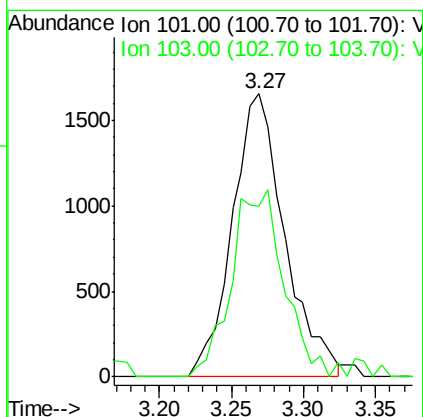
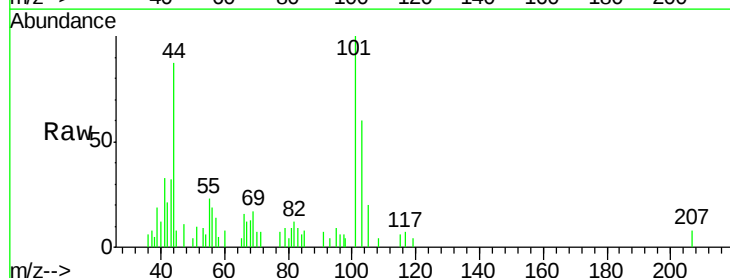
Acq: 04 Sep 2020 12:31

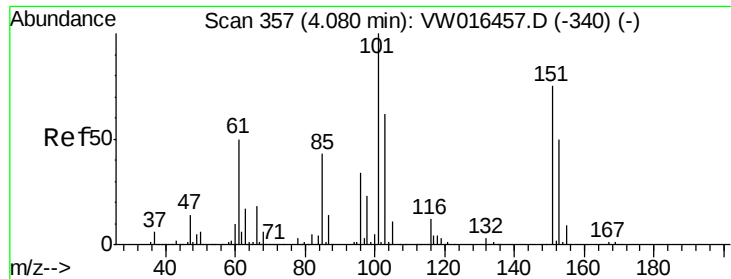
Tgt Ion: 101 Resp: 4183

Ion Ratio Lower Upper

101 100

103 38.4 45.1 83.7#





#11

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

Concen: 0.897 ug/L m

RT: 4.09 min Scan# 358

Delta R.T. 0.01 min

Lab File: VW016460.D

Acq: 04 Sep 2020 12:31

Instrument :

MSVOA_W

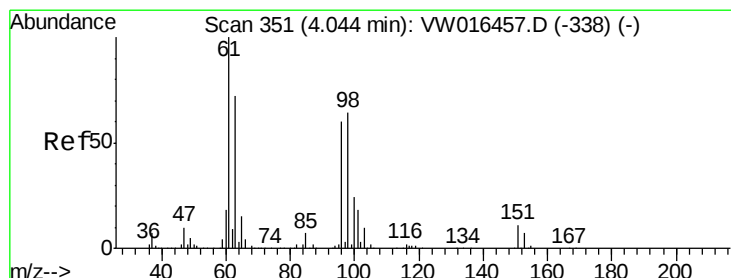
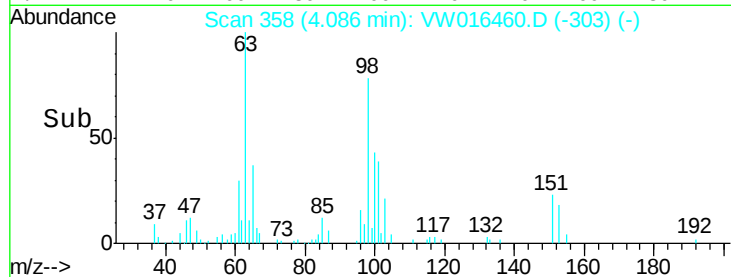
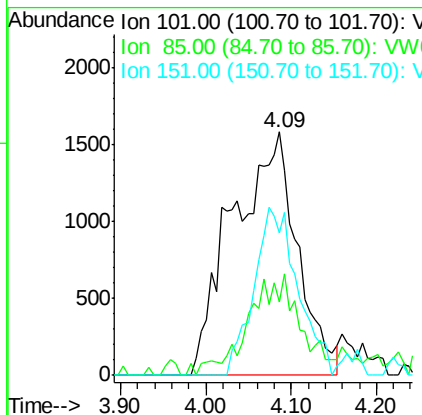
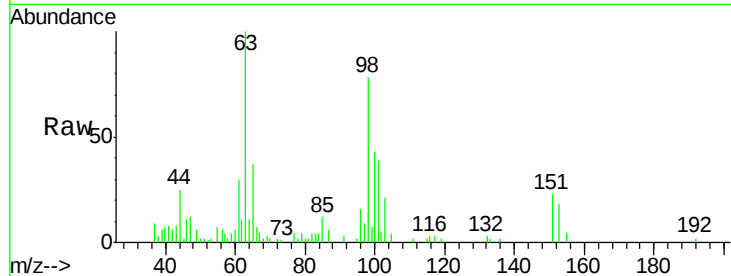
ClientSampleId :

MDL02

Tot Ion:	101	Resp:	8312
Ion Ratio	Lower	Upper	
101	100		
85	1.0	33.4	50.0#
151	27.8	61.6	92.4#

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#12

1,1-Dichloroethene

Concen: 0.819 ug/L

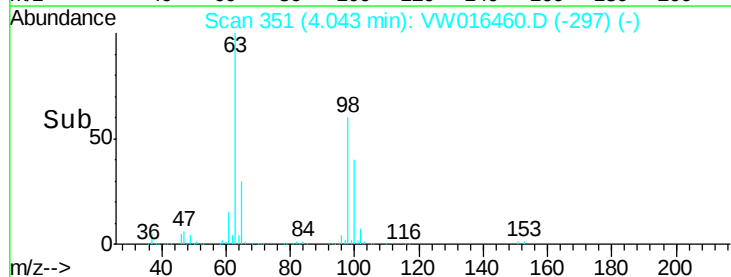
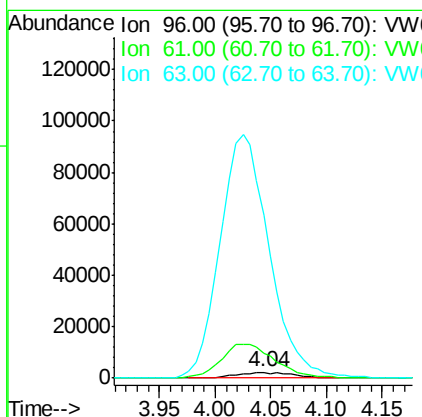
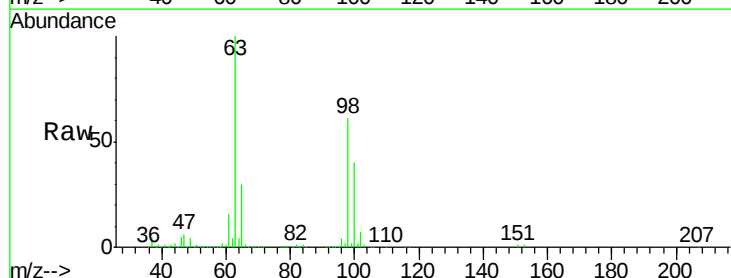
RT: 4.04 min Scan# 351

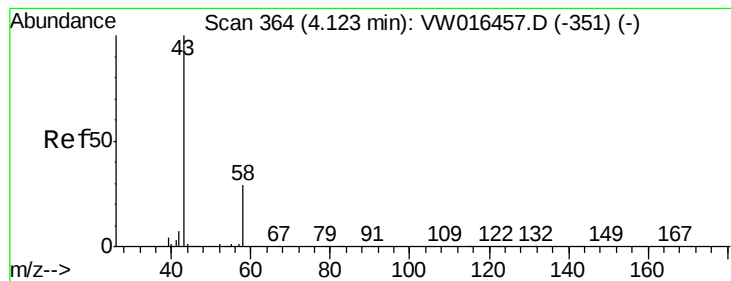
Delta R.T. -0.00 min

Lab File: VW016460.D

Acq: 04 Sep 2020 12:31

Tgt Ion:	96	Resp:	7716
Ion Ratio	Lower	Upper	
96	100		
61	443.8	116.5	216.3#
63	2849.6	81.1	150.5#





#13

Acetone

Concen: 2.886 ug/L m

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016460.D

Acq: 04 Sep 2020 12:31

Instrument :

MSVOA_W

ClientSampled :

MDL02

Tot Ion: 43 Resp: 5364

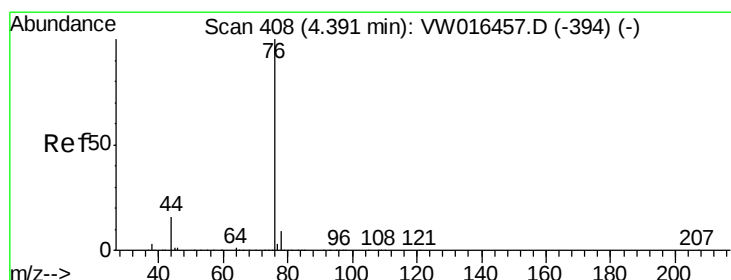
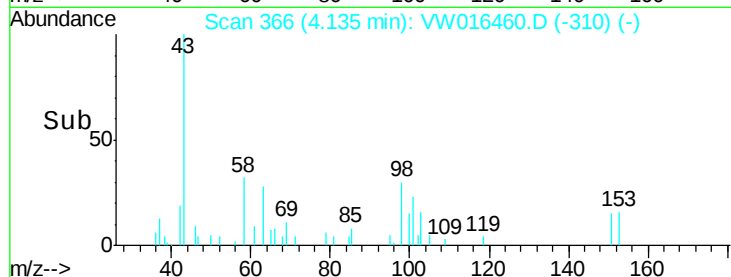
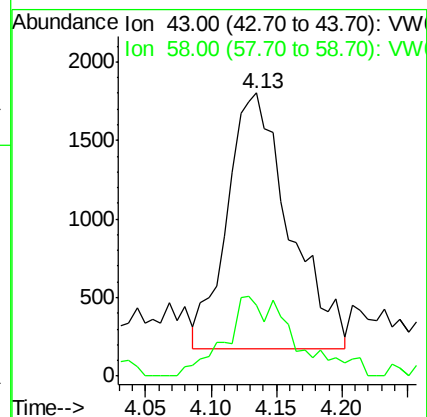
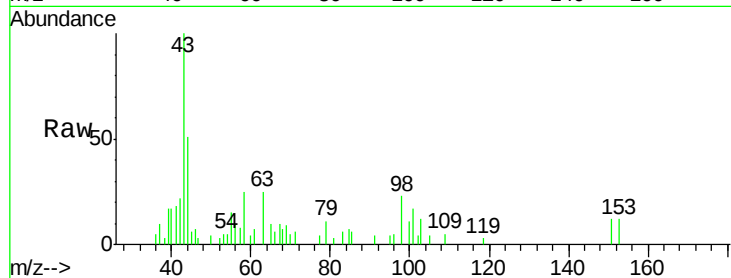
Ion Ratio Lower Upper

43 100

58 6.5 0.0 63.0

Manual Integrations
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#14

Carbon disulfide

Concen: 0.529 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016460.D

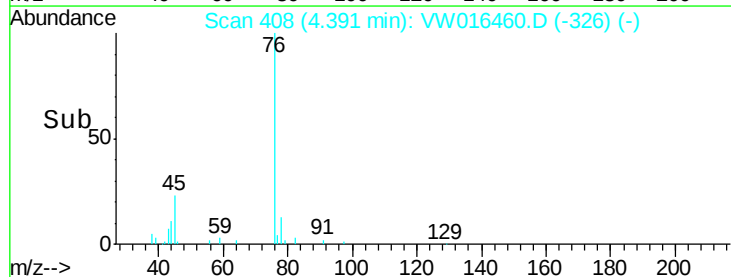
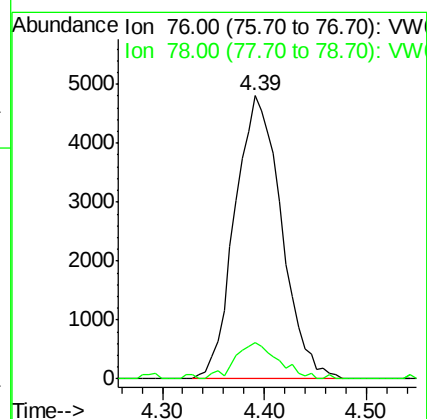
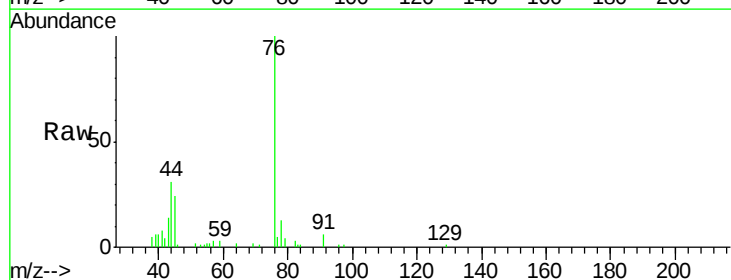
Acq: 04 Sep 2020 12:31

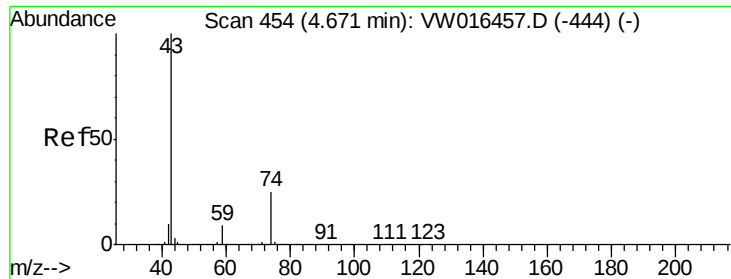
Tgt Ion: 76 Resp: 15227

Ion Ratio Lower Upper

76 100

78 12.9 7.3 10.9#





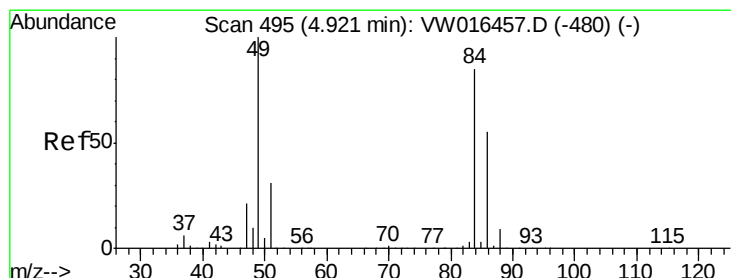
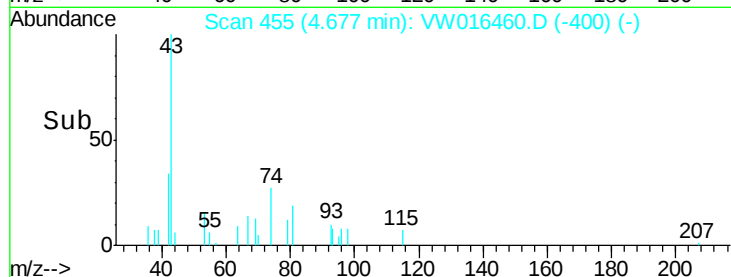
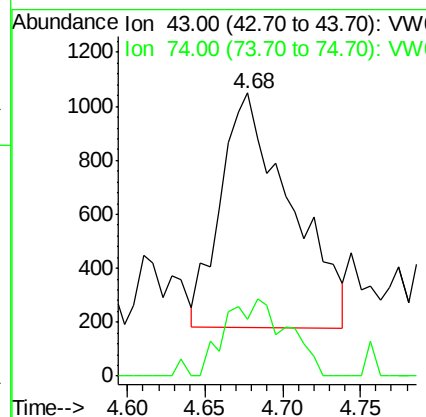
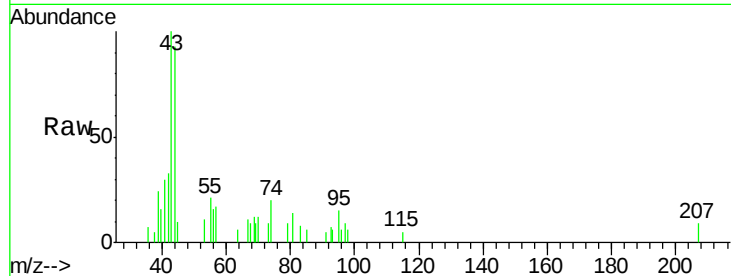
#15
Methyl Acetate
Concen: 0.604 ug/L m
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW016460.D
Acq: 04 Sep 2020 12:31

Instrument :
MSVOA_W
ClientSampled :
MDL02

Tot Ion: 43 Resp: 2723
Ion Ratio Lower Upper
43 100
74 2.0 18.9 28.3#

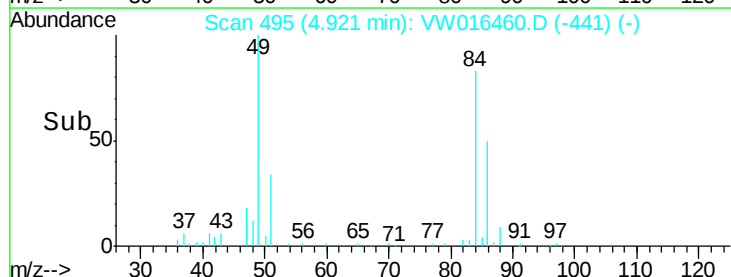
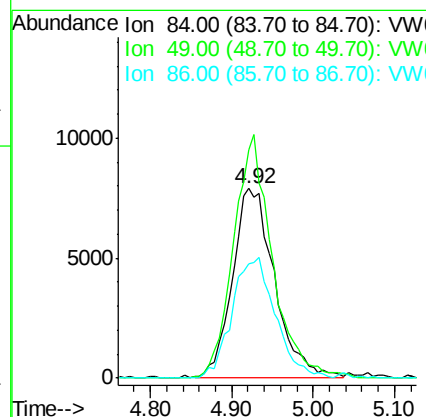
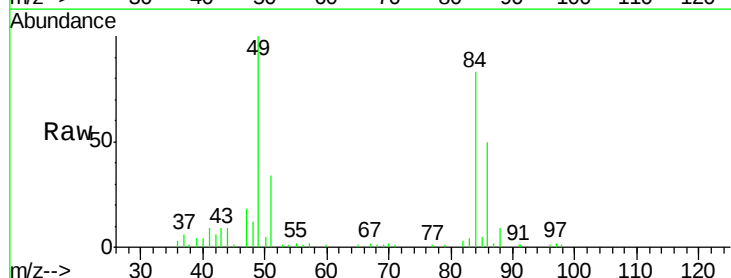
Manual Integrations
APPROVED

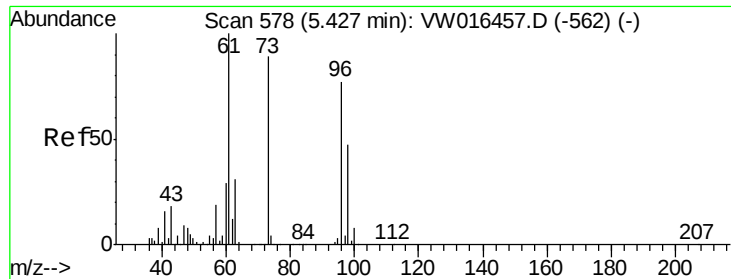
MMDadoda
9/8/2020 10:12:19 AM



#16
Methylene chloride
Concen: 2.389 ug/L m
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW016460.D
Acq: 04 Sep 2020 12:31

Tgt Ion: 84 Resp: 28496
Ion Ratio Lower Upper
84 100
49 120.8 86.7 160.9
86 60.1 44.9 83.5





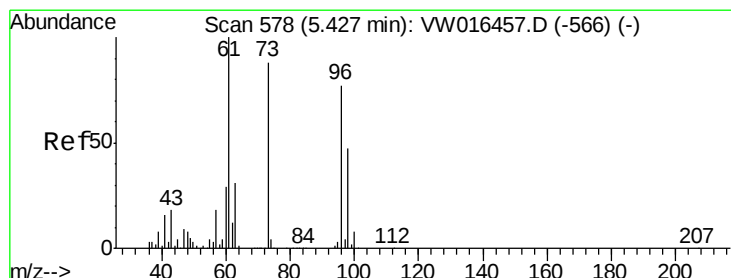
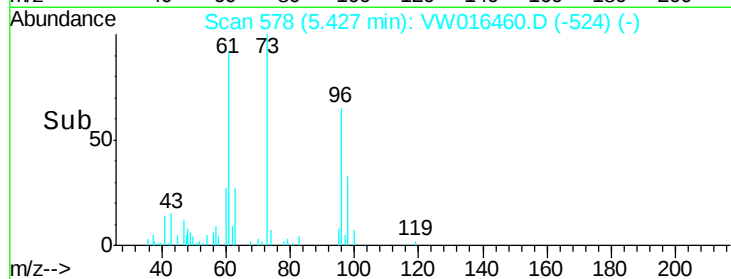
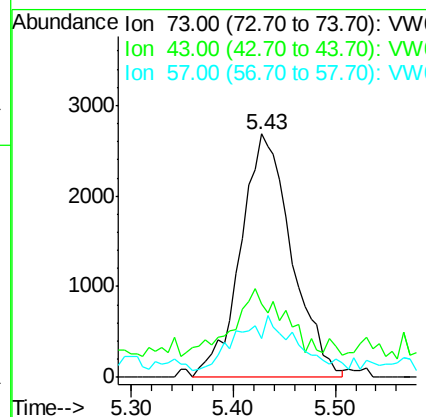
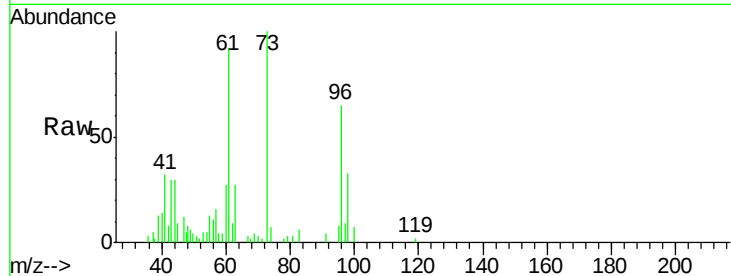
#17
Methvl tert-butvl Ether
Concen: 0.660 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016460.D
Acq: 04 Sep 2020 12:31

Instrument :
MSVOA_W
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
73	100		
43	0.7	17.9	26.9#
57	2.2	17.4	26.0#

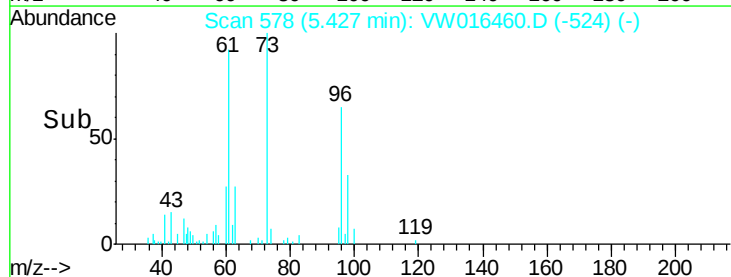
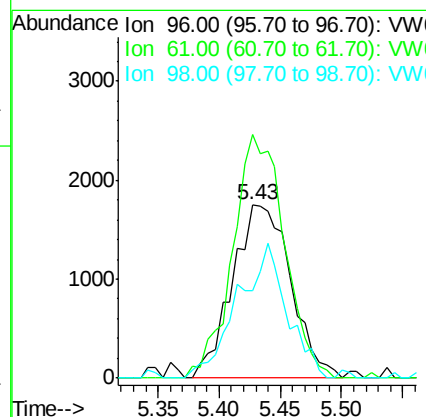
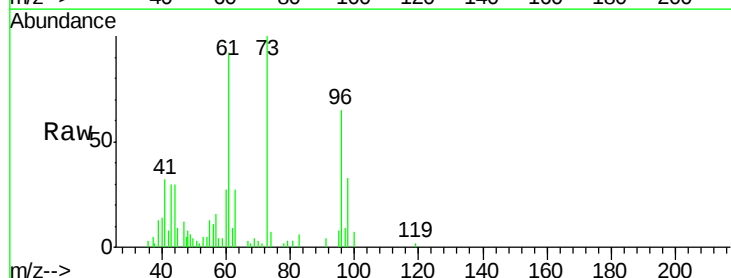
Manual Integrations
APPROVED

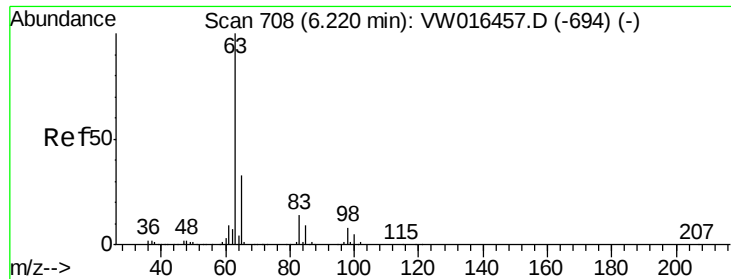
MMDadoda
9/8/2020 10:12:19 AM



#18
trans-1,2-Dichloroethene
Concen: 0.581 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016460.D
Acq: 04 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.1	96.4	179.0
98	50.1	45.1	83.7





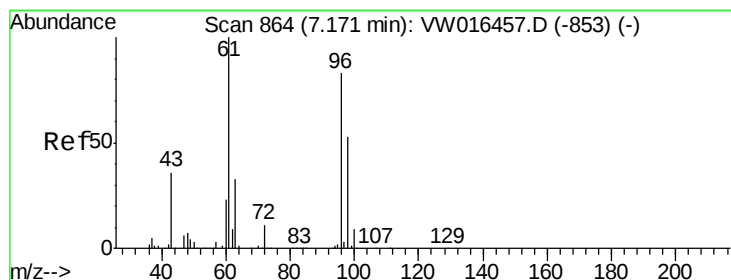
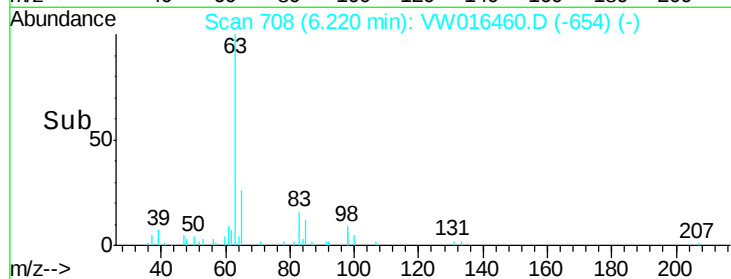
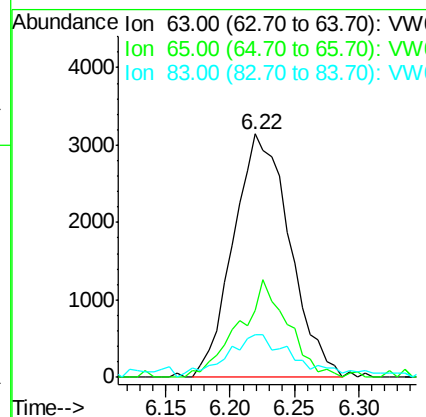
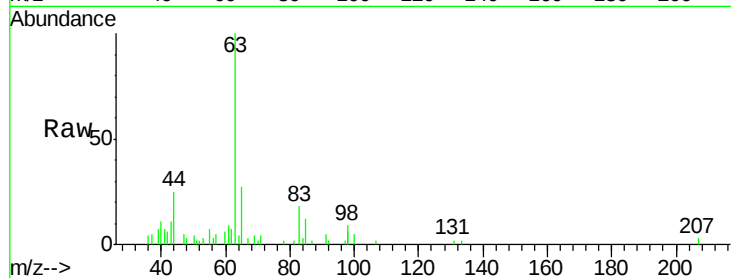
#19
 1,1-Dichloroethane
 Concen: 0.562 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

Tot Ion:	63	Resp:	9572
Ion	Ratio	Lower	Upper
63	100		
65	27.5	23.3	43.3
83	17.6	10.3	19.1

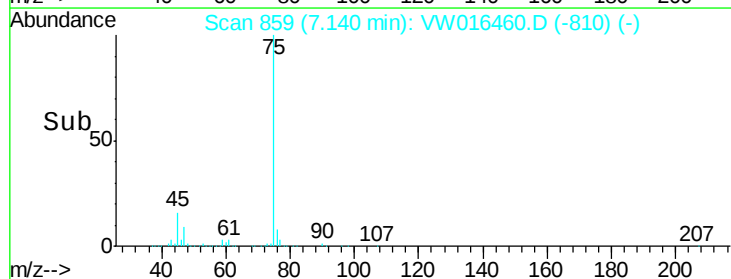
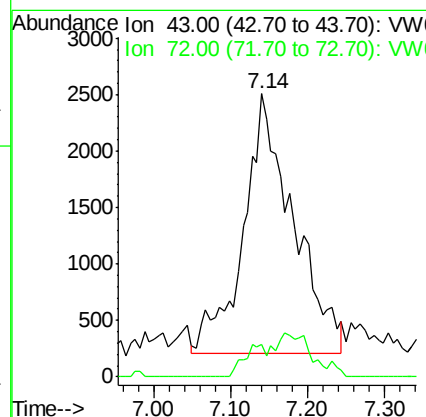
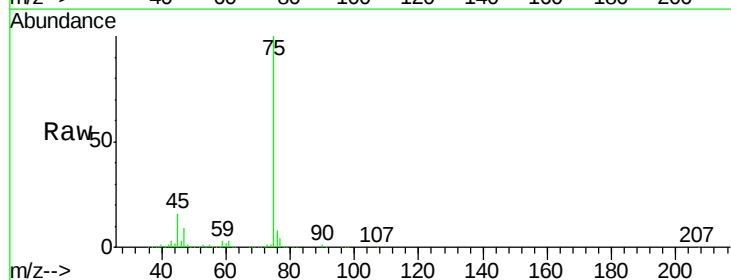
Manual Integrations
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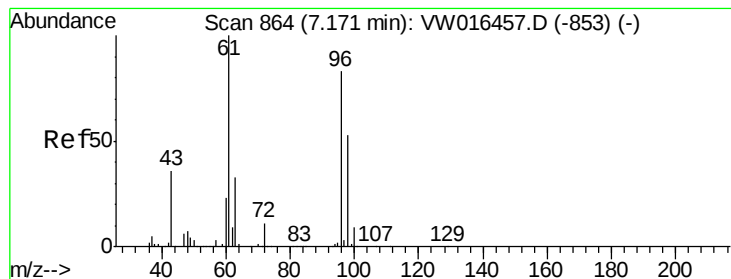
MMDadoda
 9/8/2020 10:12:19 AM



#21
 2-Butanone
 Concen: 3.319 ug/L m
 RT: 7.14 min Scan# 859
 Delta R.T. -0.03 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Tgt Ion:	43	Resp:	10356
Ion	Ratio	Lower	Upper
43	100		
72	1.0	13.5	40.4#





#22

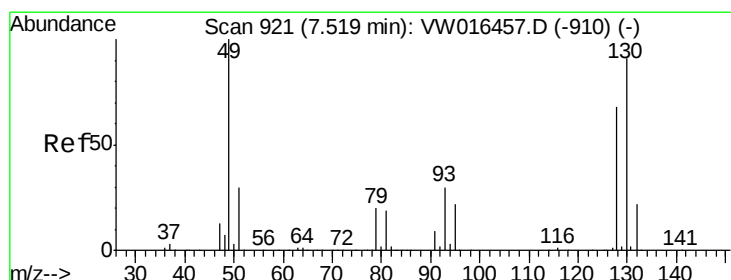
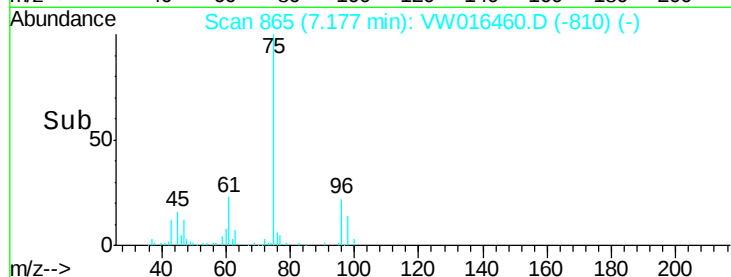
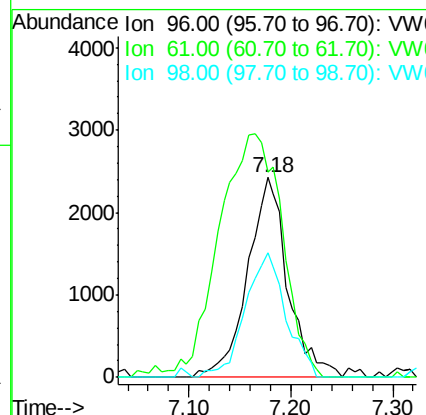
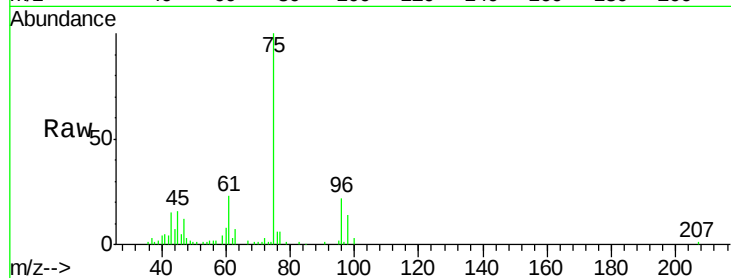
cis-1,2-Dichloroethene
 Concen: 0.640 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
96	100		
61	102.6	86.1	159.9
98	62.6	44.1	81.9

Manual Integrations
 APPROVED

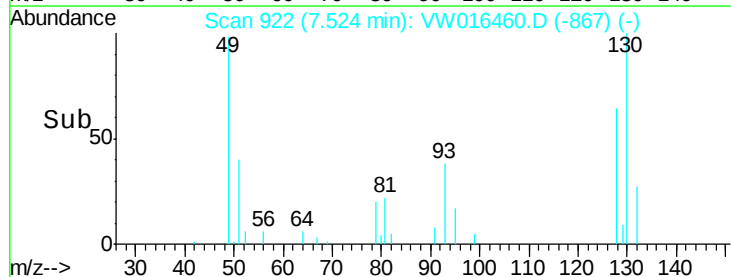
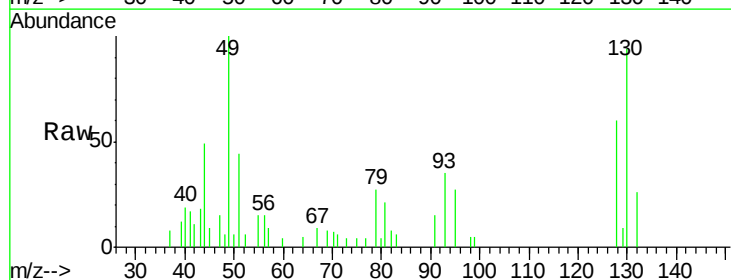
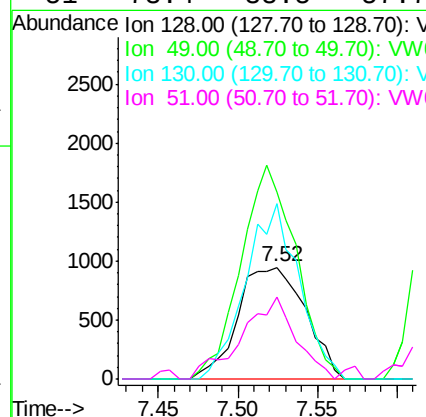
MMDadoda
 9/8/2020 10:12:19 AM

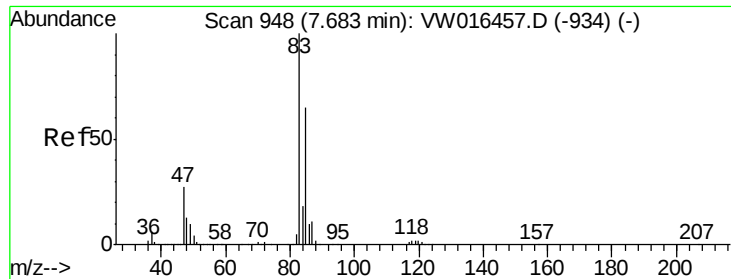


#23

Bromochloromethane
 Concen: 0.581 ug/L m
 RT: 7.52 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
128	100		
49	167.7	111.6	207.4
130	157.1	90.9	168.7
51	73.4	38.5	57.7#





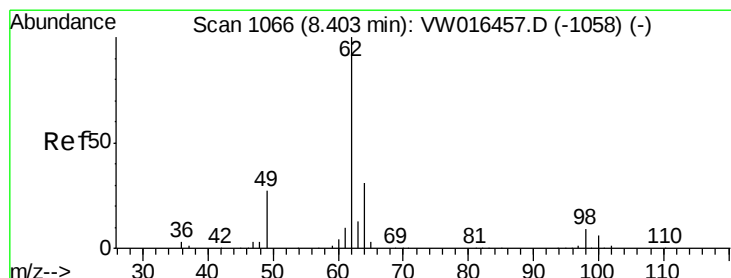
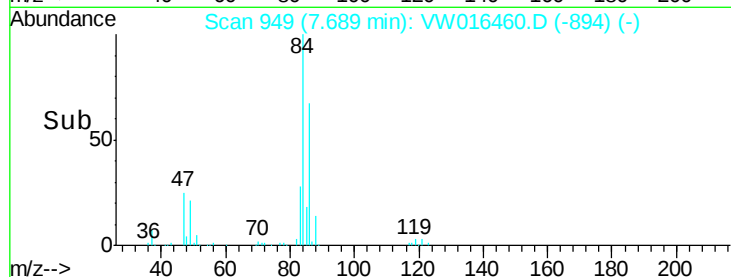
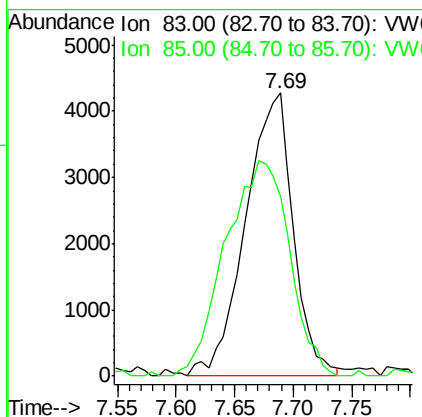
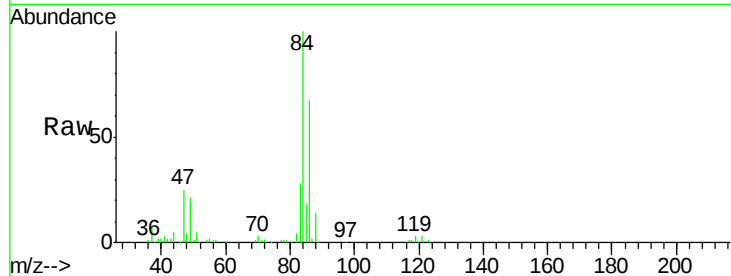
#25
Chloroform
Concen: 0.687 ug/L m
RT: 7.69 min Scan# 949
Delta R.T. 0.01 min
Lab File: VW016460.D
Acq: 04 Sep 2020 12:31

Instrument :
MSVOA_W
ClientSampled :
MDL02

Tot Ion	83	Resp	12108
Ion Ratio	100	Lower	Upper
85	0.9	45.6	84.8#

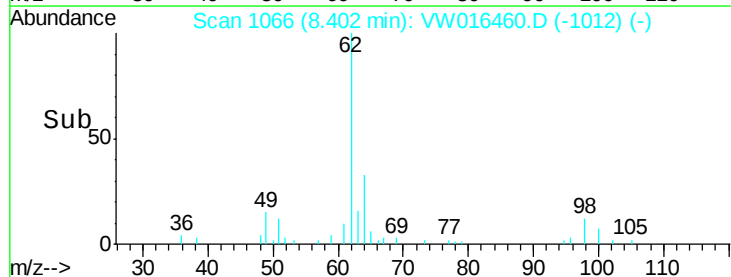
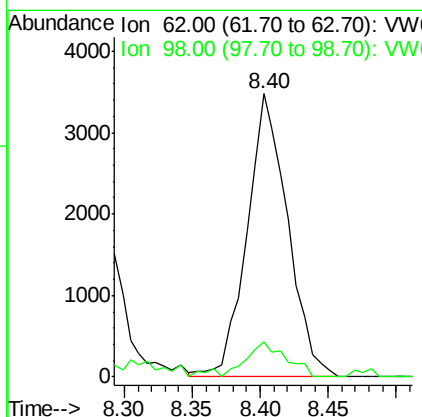
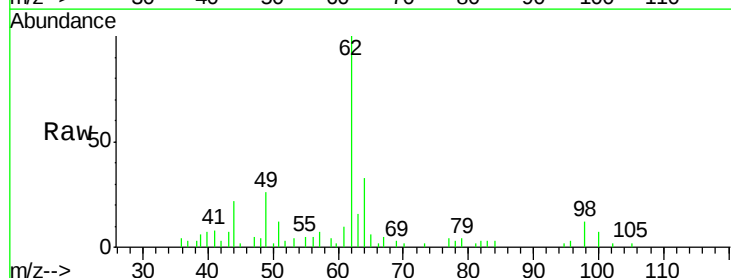
Manual Integrations
APPROVED

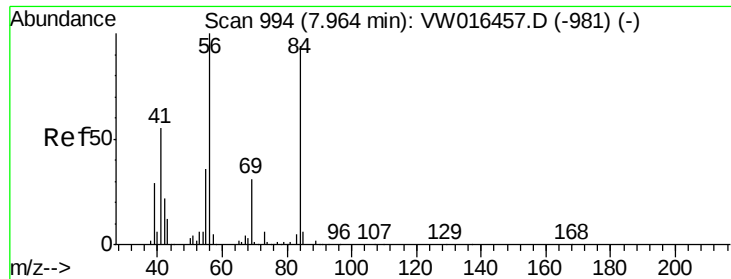
MMDadoda
9/8/2020 10:12:19 AM



#27
1,2-Dichloroethane
Concen: 0.617 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016460.D
Acq: 04 Sep 2020 12:31

Tgt Ion	62	Resp	7243
Ion Ratio	100	Lower	Upper
98	12.2	7.3	10.9#





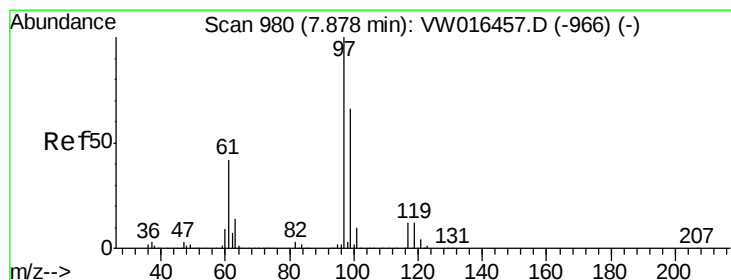
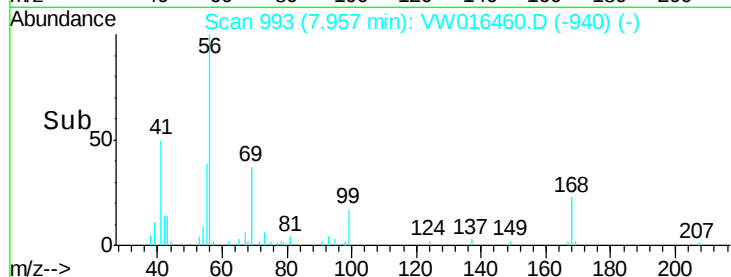
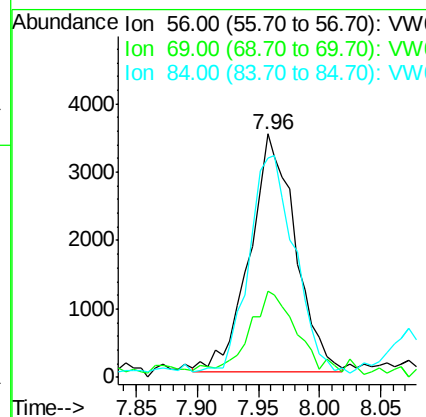
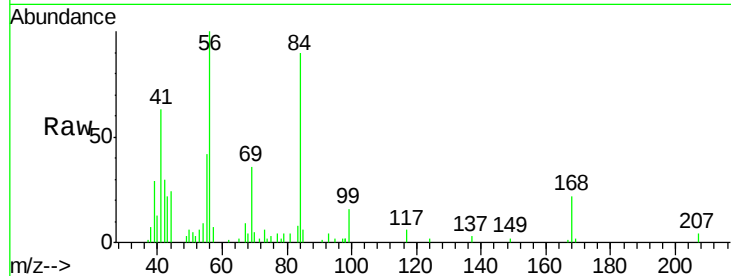
#30
Cvclohexane
Concen: 0.554 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW016460.D
Acq: 04 Sep 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	25.3	37.9
84	91.9	71.6	107.4

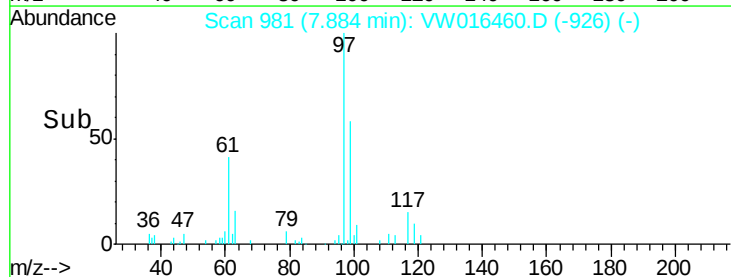
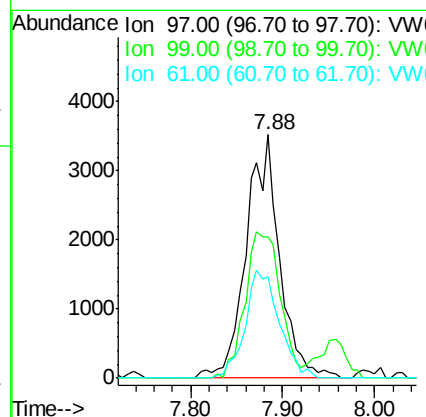
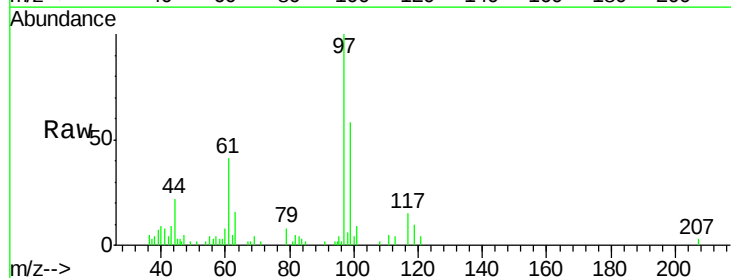
Manual Integrations
APPROVED

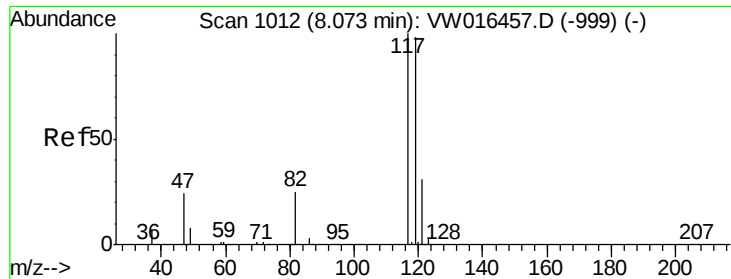
MMDadoda
9/8/2020 10:12:19 AM



#31
1,1,1-Trichloroethane
Concen: 0.603 ug/L m
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW016460.D
Acq: 04 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.2	78.2#
61	0.0	36.3	54.5#





#32

Carbon tetrachloride

Concen: 0.583 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016460.D

Acq: 04 Sep 2020 12:31

Instrument :

MSVOA_W

ClientSampled :

MDL02

Tot Ion:117 Resp: 8274

Ion Ratio Lower Upper

117 100

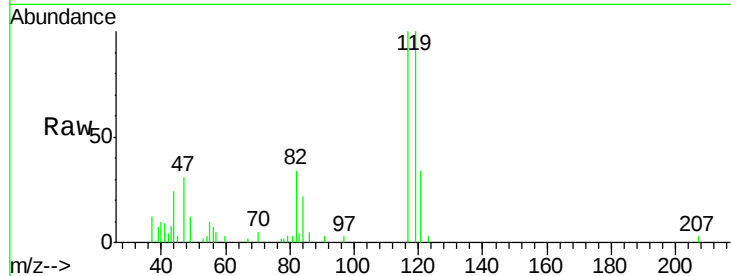
119 96.6 77.8 116.6

Manual Integrations

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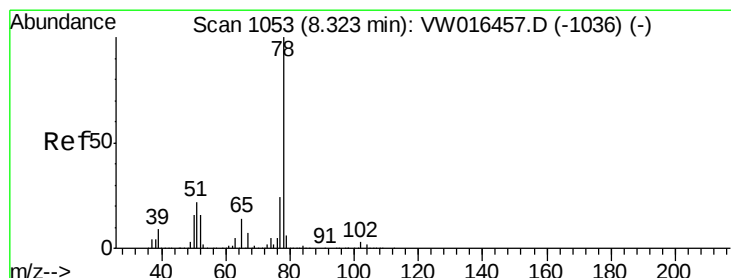
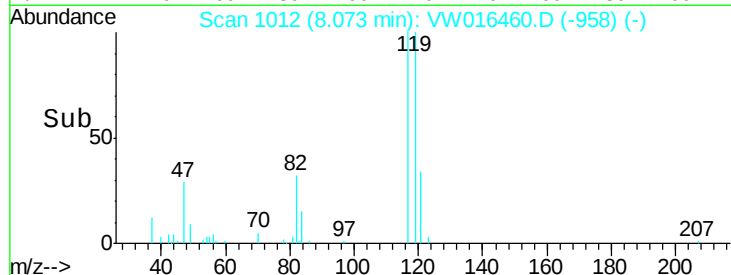
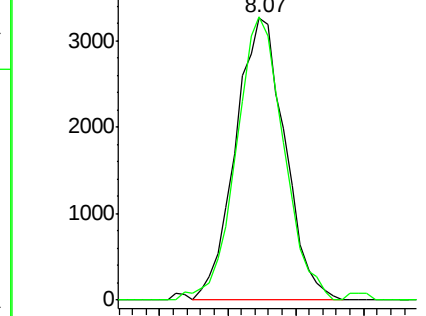
MMDadoda

9/8/2020 10:12:19 AM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 0.575 ug/L

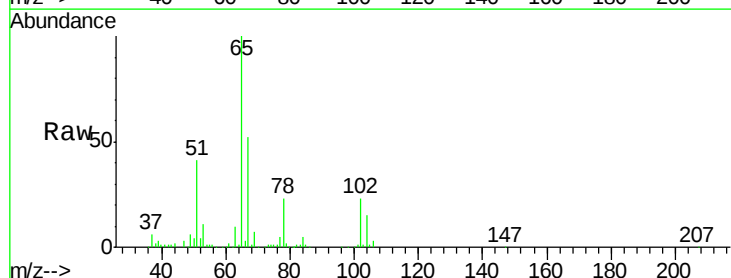
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

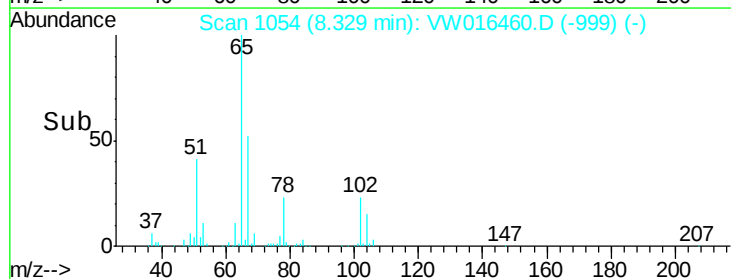
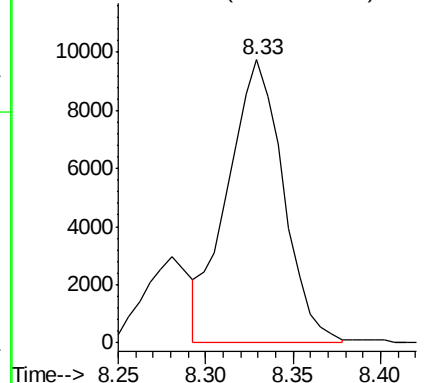
Lab File: VW016460.D

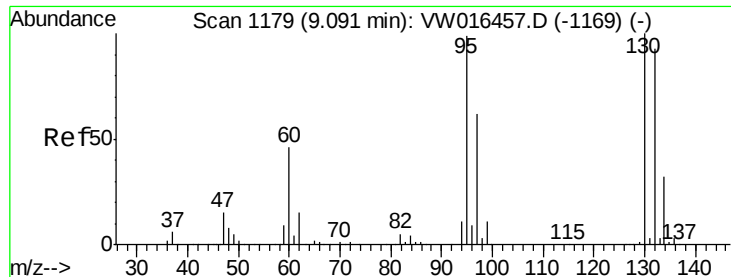
Acq: 04 Sep 2020 12:31

Tgt Ion: 78 Resp: 21543



Abundance Ion 78.00 (77.70 to 78.70): VW





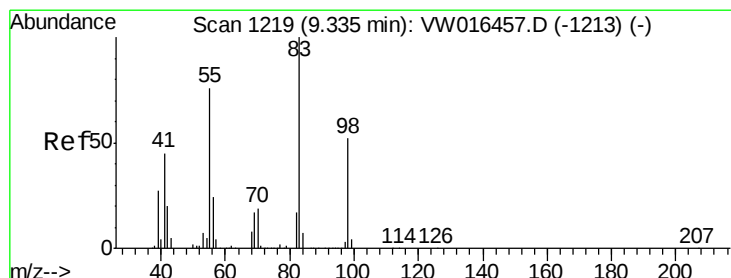
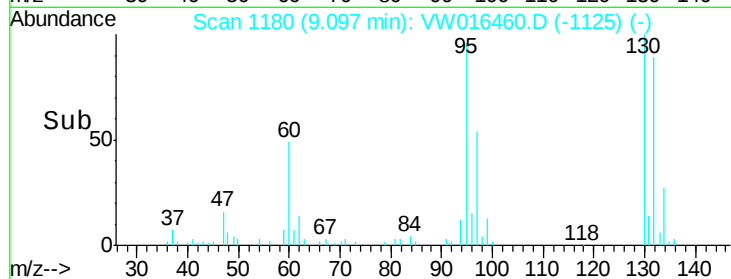
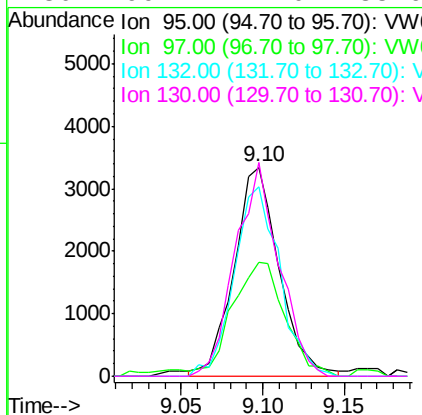
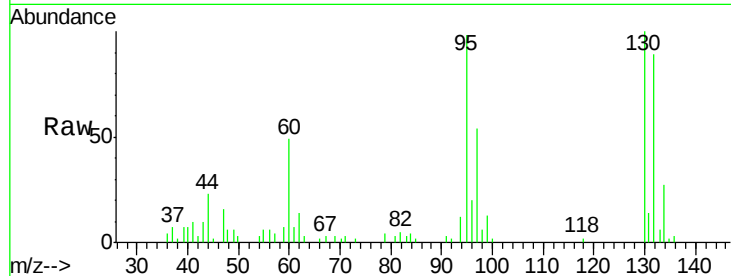
#35
 Trichloroethene
 Concen: 0.621 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Instrument :
 MSVOA_W
 ClientSampled :
 MDL02

Tot Ion	95	Resp	6437
Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.9	83.5
132	91.6	69.2	128.4
130	99.2	72.0	133.6

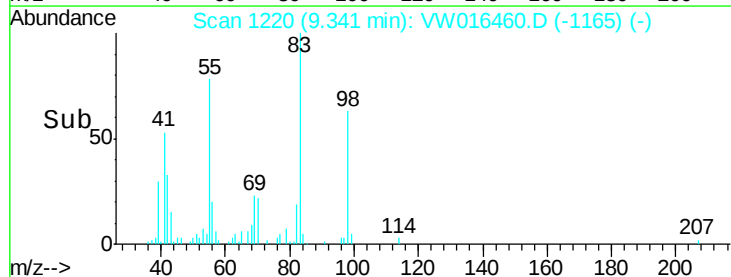
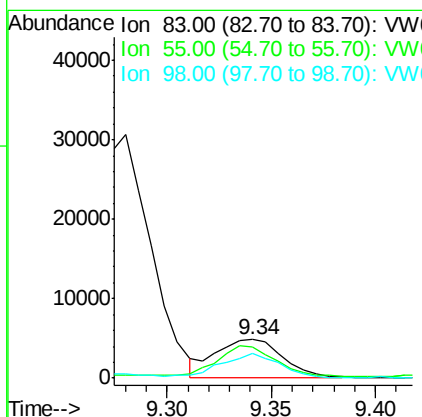
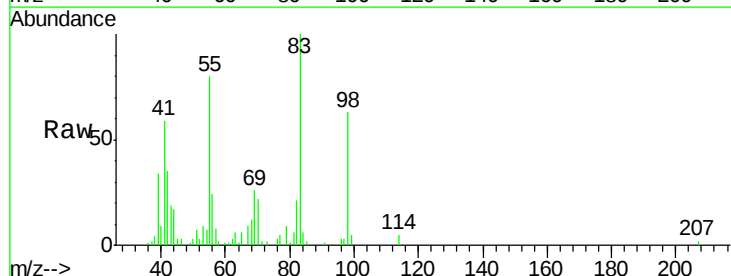
Manual Integrations
 APPROVED

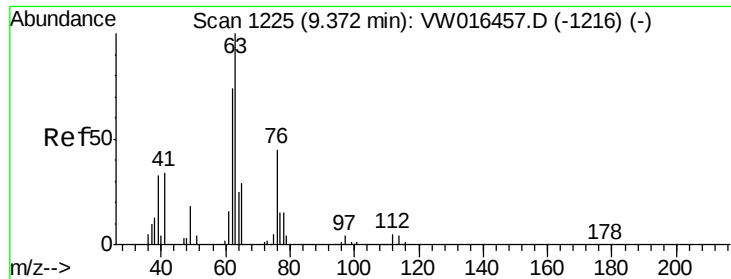
MMDadoda
 9/8/2020 10:12:19 AM



#36
 Methylcyclohexane
 Concen: 0.608 ug/L m
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Tgt Ion	83	Resp	11042
Ion	Ratio	Lower	Upper
83	100		
55	1.0	60.9	91.3#
98	0.6	40.0	60.0#





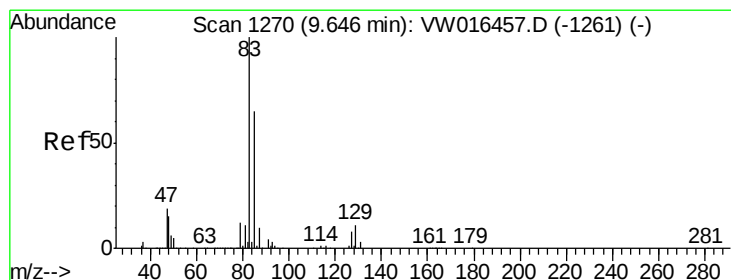
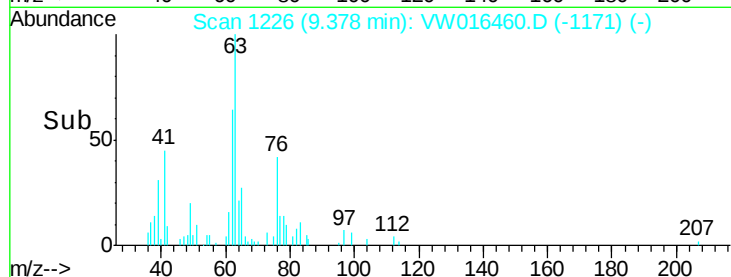
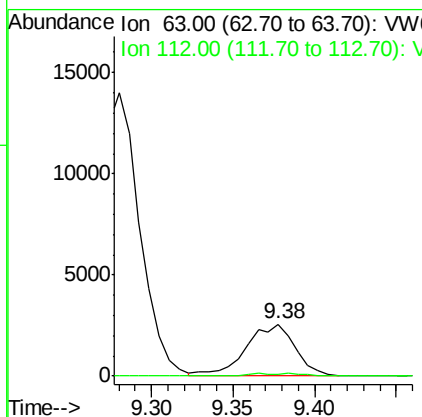
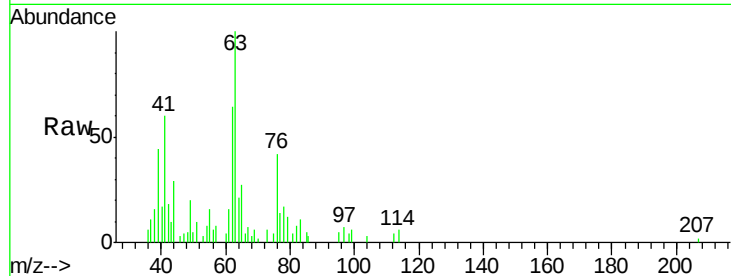
#40
 1,2-Dichloropropane
 Concen: 0.582 ug/L
 RT: 9.38 min Scan# 1226
 Delta R.T. 0.01 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

Tot Ion: 63 Resp: 5383
 Ion Ratio Lower Upper
 63 100
 112 2.9 3.8 5.8#

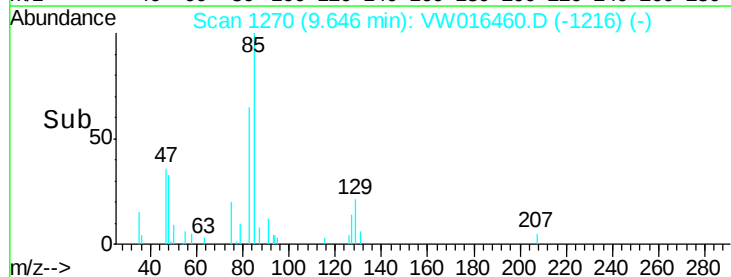
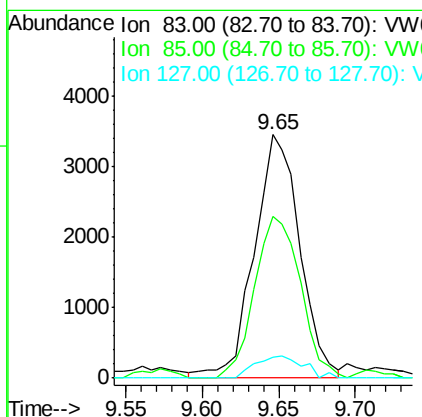
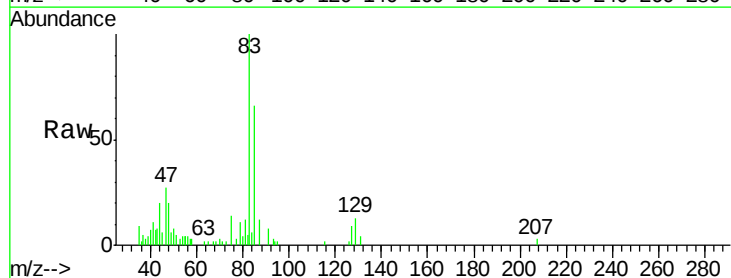
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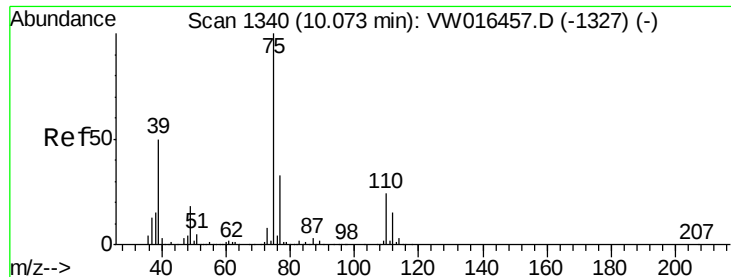
MMDadoda
 9/8/2020 10:12:19 AM



#41
 Bromodichloromethane
 Concen: 0.552 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Tgt Ion: 83 Resp: 7144
 Ion Ratio Lower Upper
 83 100
 85 66.2 43.5 80.7
 127 8.7 6.7 10.1





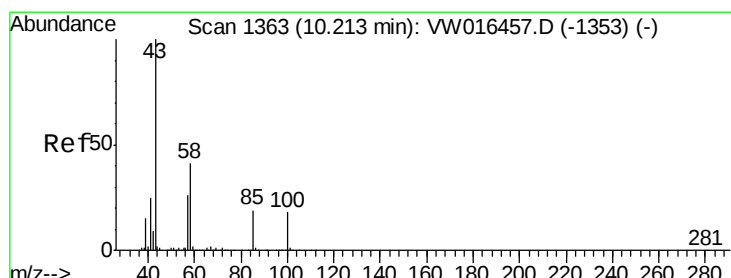
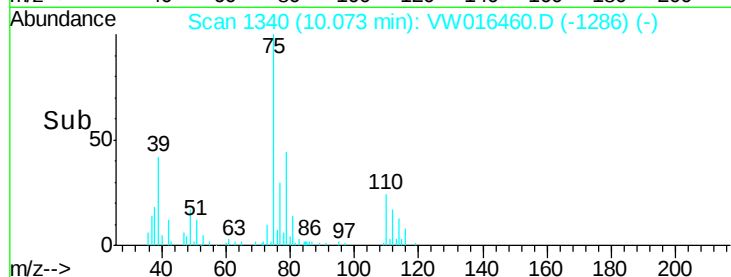
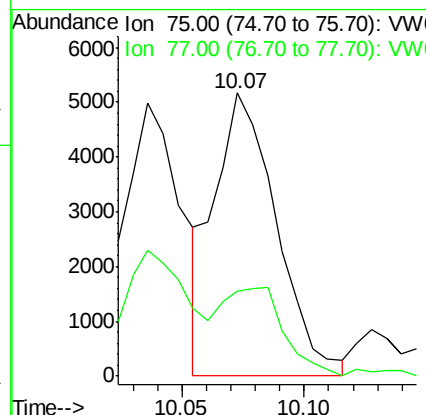
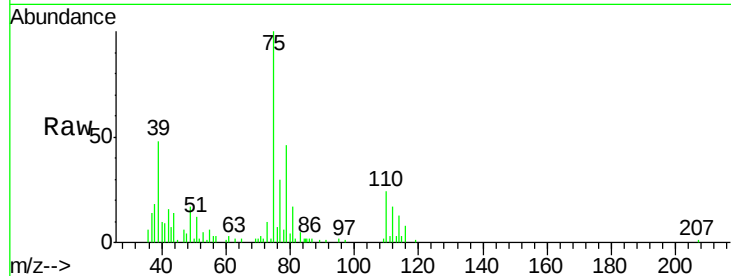
#42
 cis-1,3-Dichloropropene
 Concen: 0.577 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Instrument :
 MSVOA_W
 ClientSampled :
 MDL02

Tot Ion: 75 Resp: 9066
 Ion Ratio Lower Upper
 75 100
 77 30.0 20.9 38.7

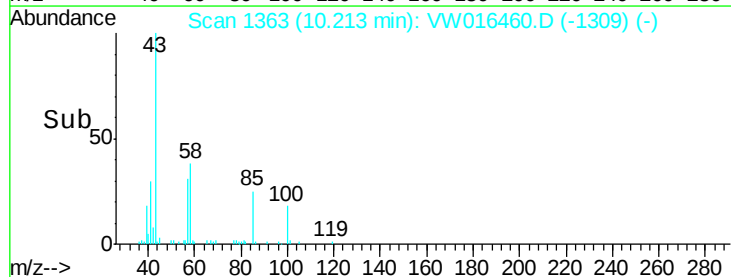
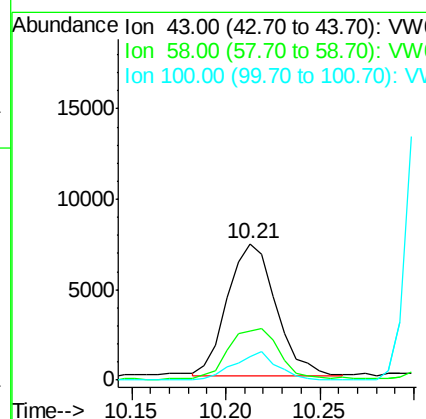
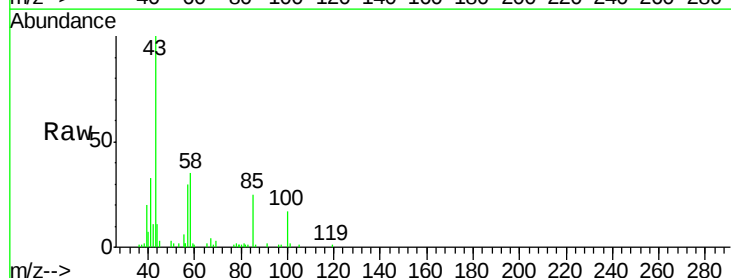
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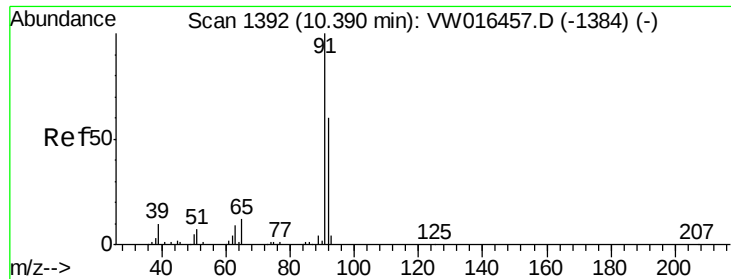
MMDadoda
 9/8/2020 10:12:19 AM



#43
 4-Methyl-2-pentanone
 Concen: 1.979 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Tgt Ion: 43 Resp: 12974
 Ion Ratio Lower Upper
 43 100
 58 41.9 30.6 45.8
 100 19.2 13.0 19.6





#44

Toluene

Concen: 0.593 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016460.D

Acq: 04 Sep 2020 12:31

Instrument :

MSVOA_W

ClientSampled :

MDL02

Tot Ion: 91 Resp: 24840

Ion Ratio Lower Upper

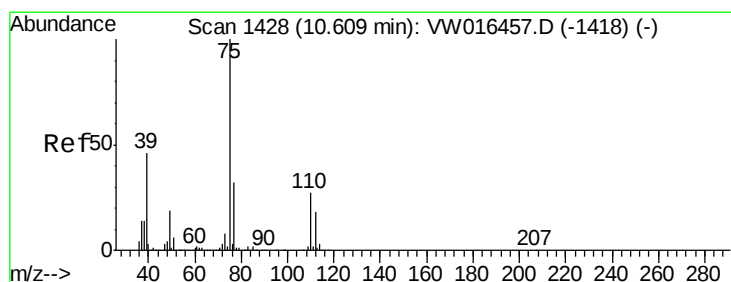
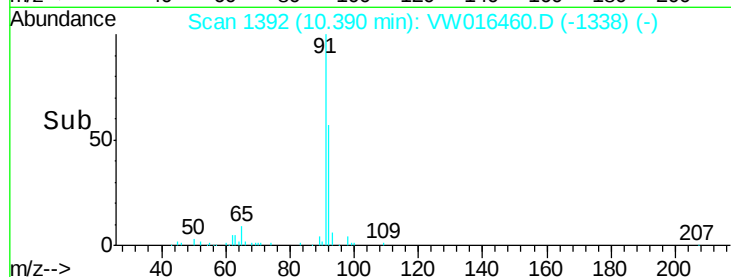
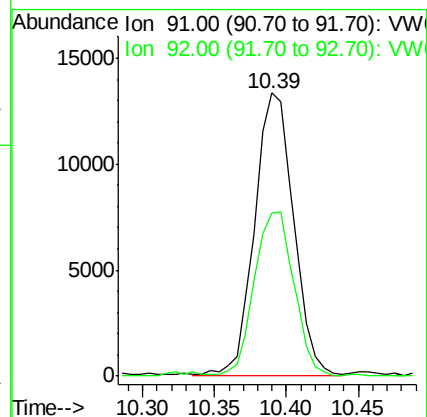
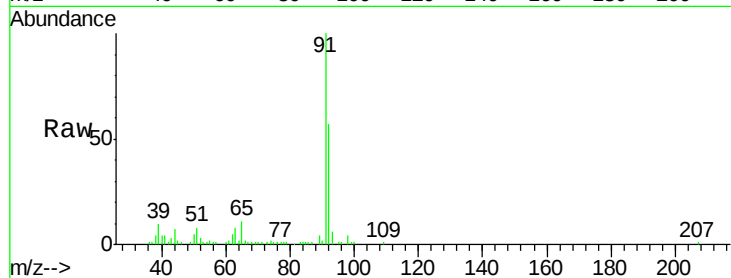
91 100

92 57.4 39.5 73.4

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#45

trans-1,3-Dichloropropene

Concen: 0.540 ug/L

RT: 10.62 min Scan# 1429

Delta R.T. 0.01 min

Lab File: VW016460.D

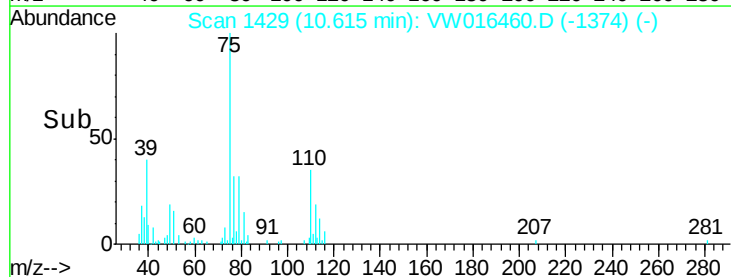
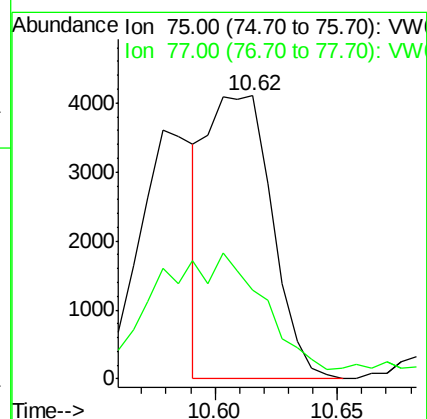
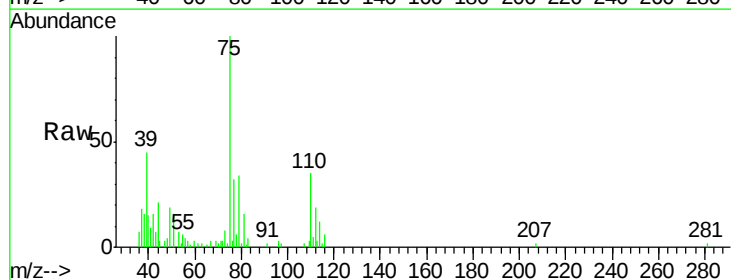
Acq: 04 Sep 2020 12:31

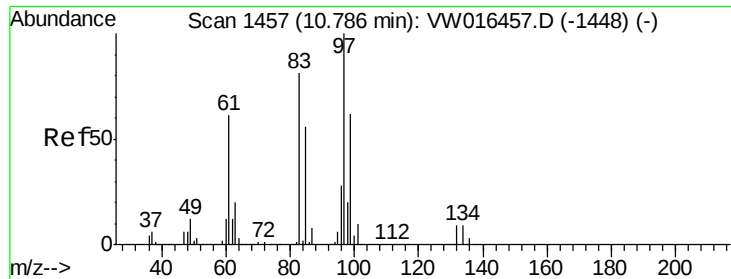
Tgt Ion: 75 Resp: 7587

Ion Ratio Lower Upper

75 100

77 31.6 21.9 40.7





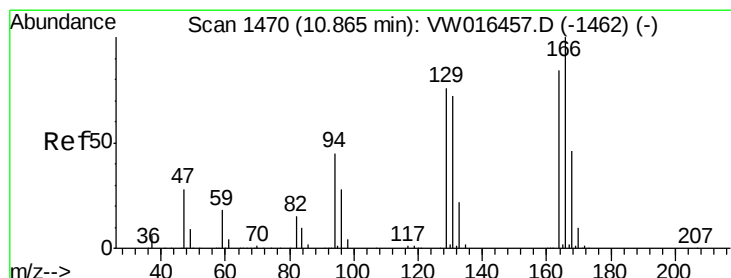
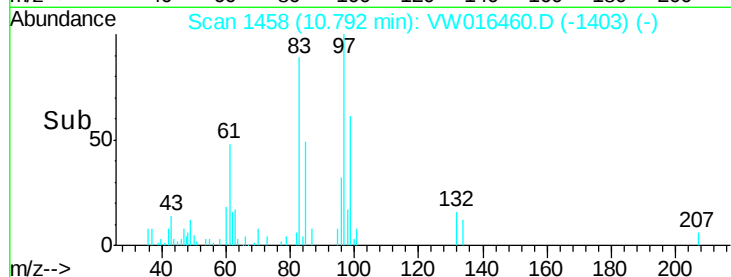
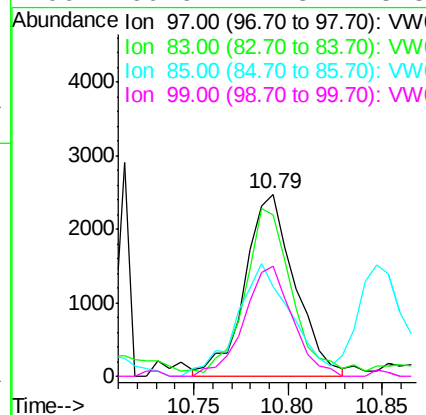
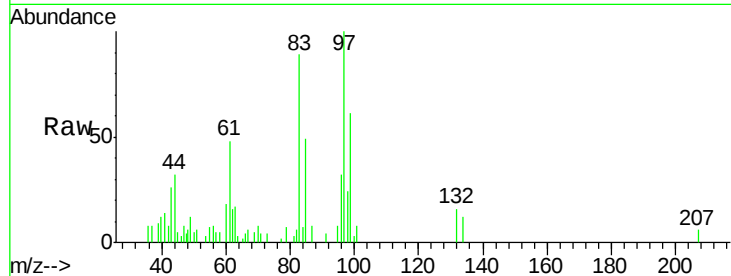
#46
 1,1,2-Trichloroethane
 Concen: 0.620 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Instrument :
 MSVOA_W
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.5	59.7	110.9
85	49.0	37.6	69.8
99	60.6	42.3	78.5

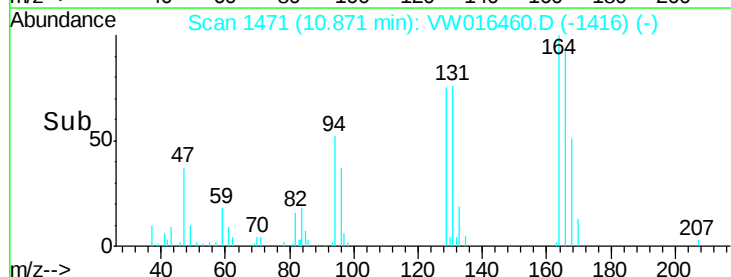
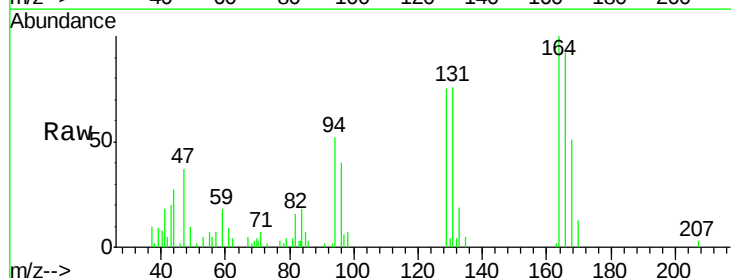
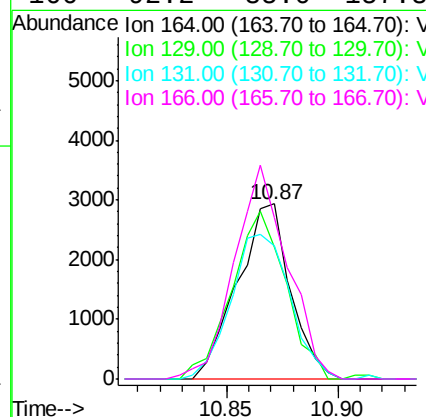
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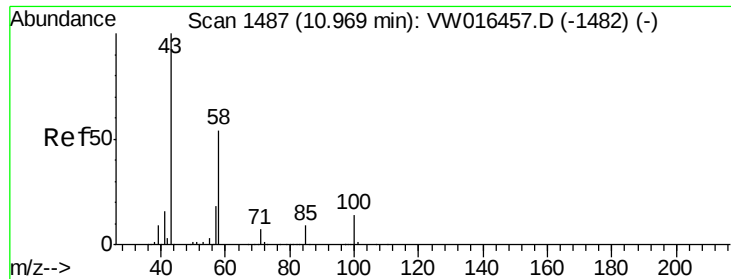
MMDadoda
 9/8/2020 10:12:19 AM



#47
 Tetrachloroethene
 Concen: 0.583 ug/L
 RT: 10.87 min Scan# 1471
 Delta R.T. 0.01 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
164	100		
129	75.4	65.7	121.9
131	76.3	61.1	113.5
166	92.2	85.0	157.8





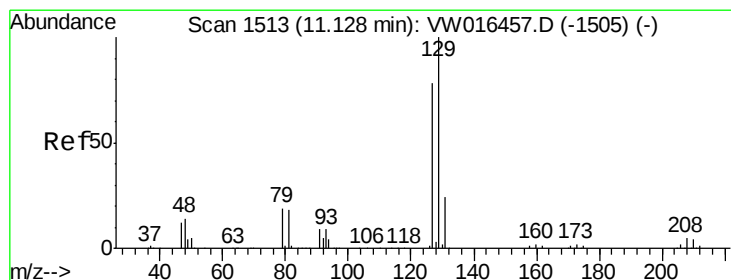
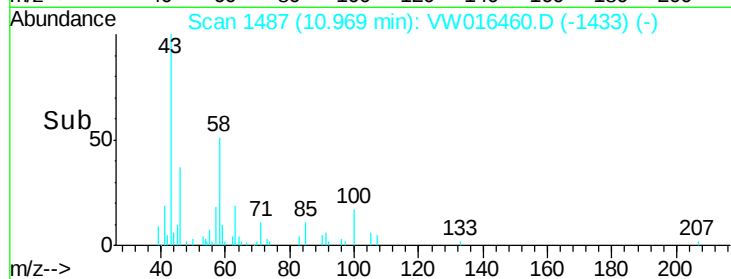
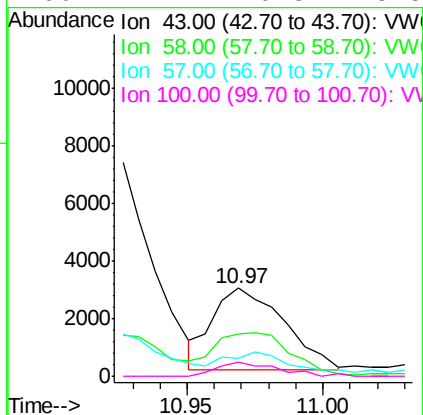
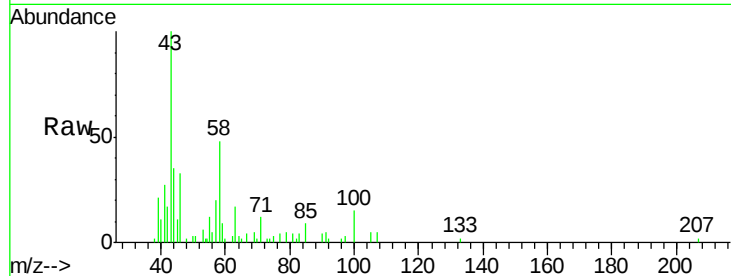
#49
2-Hexanone
Concen: 1.134 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016460.D
Acq: 04 Sep 2020 12:31

Instrument :
MSVOA_W
ClientSampled :
MDL02

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	57.5	42.1	63.1	
57	20.8	14.9	22.3	
100	14.1	10.3	15.5	

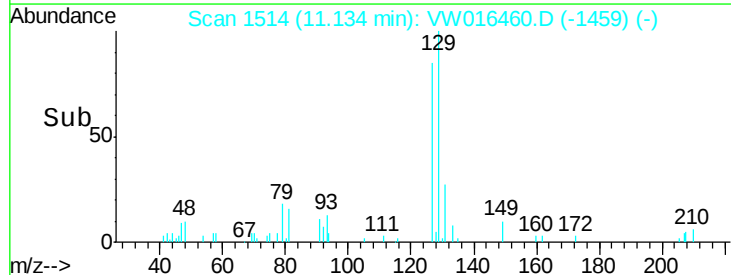
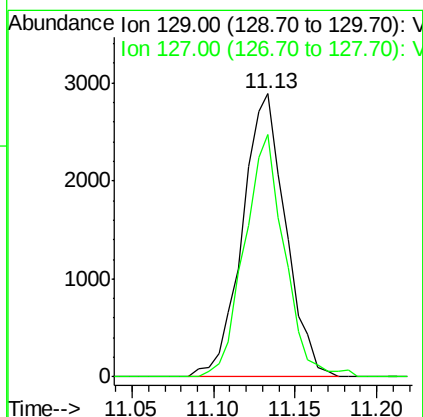
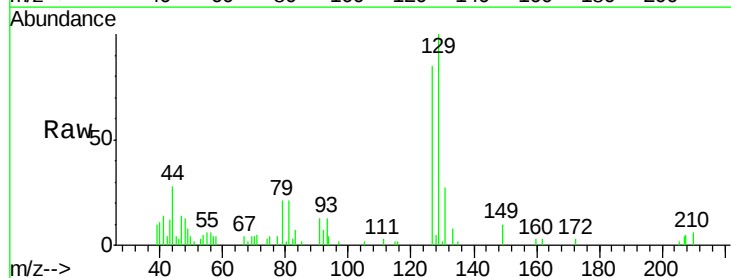
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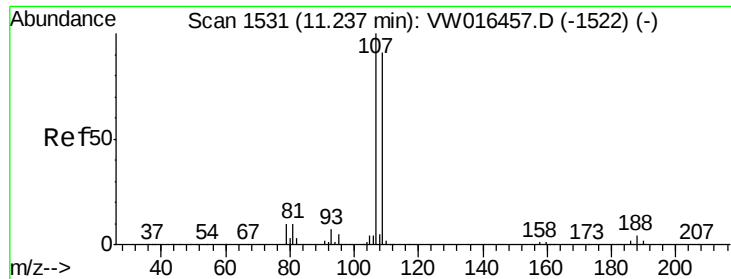
MMDadoda
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#50
Dibromochloromethane
Concen: 0.575 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016460.D
Acq: 04 Sep 2020 12:31

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	85.4	55.4	103.0	





#51

1,2-Dibromoethane

Concen: 0.613 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW016460.D

Acq: 04 Sep 2020 12:31

Instrument :

MSVOA_W

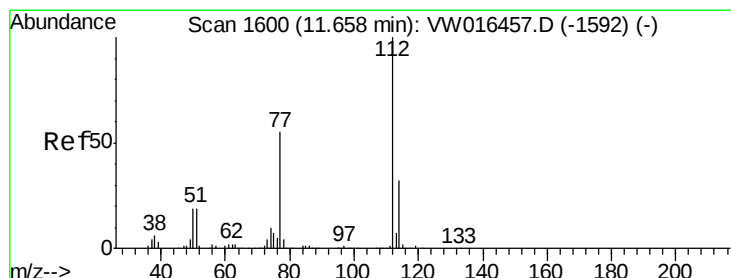
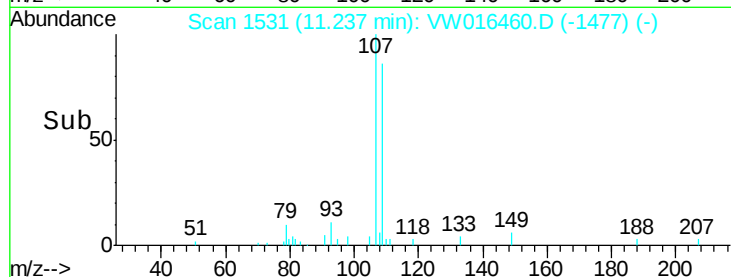
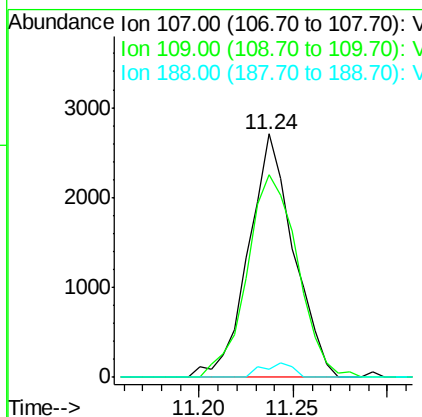
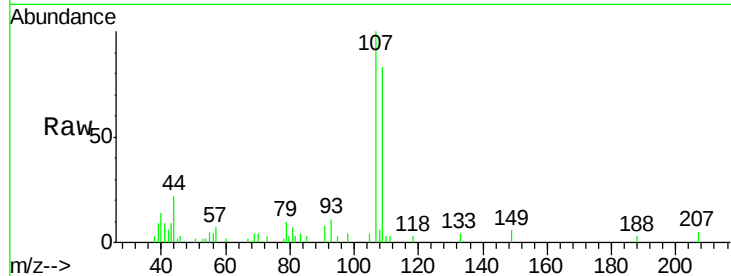
ClientSampleId :

MDL02

Tot Ion:	107	Resp:	4497
Ion Ratio	Lower	Upper	
107	100		
109	83.5	64.8	120.4
188	3.1	3.4	5.0#

Manual Integrations
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MMDadoda
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#52

Chlorobenzene

Concen: 0.574 ug/L

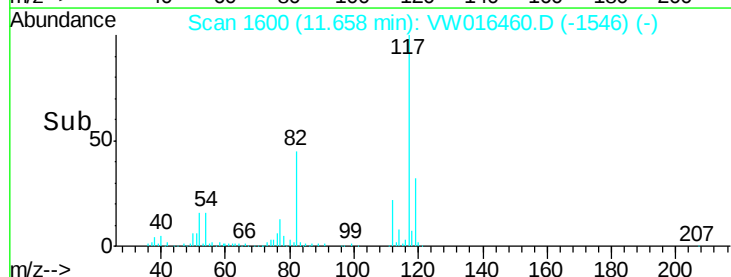
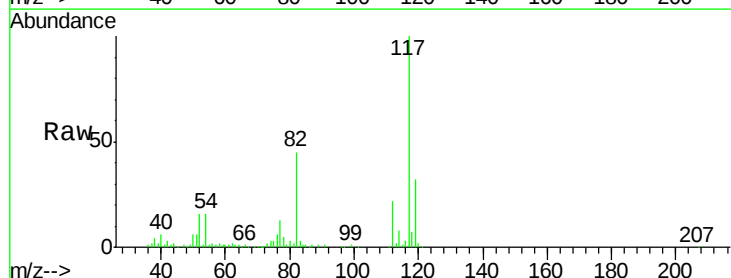
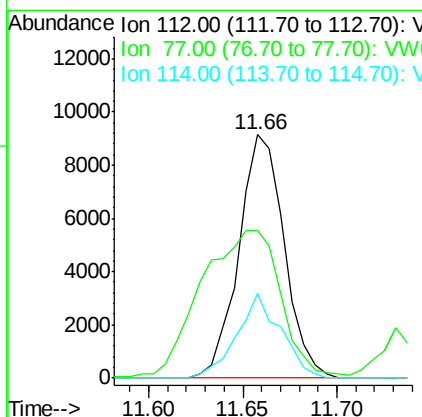
RT: 11.66 min Scan# 1600

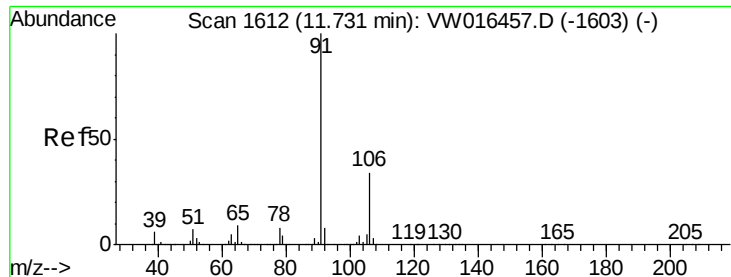
Delta R.T. -0.00 min

Lab File: VW016460.D

Acq: 04 Sep 2020 12:31

Tgt Ion:	112	Resp:	15249
Ion Ratio	Lower	Upper	
112	100		
77	60.9	46.2	69.2
114	35.1	21.1	39.3





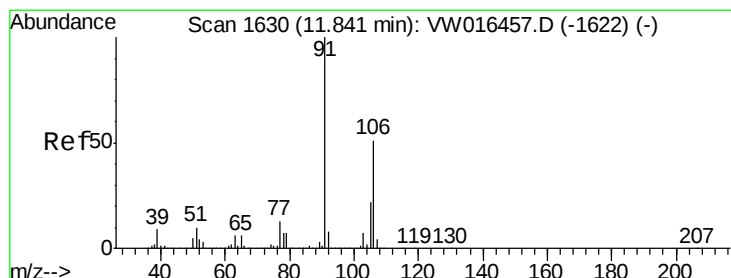
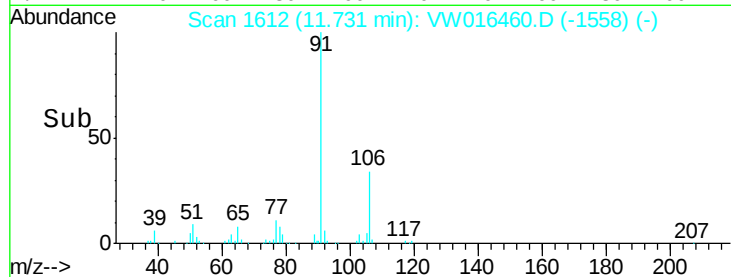
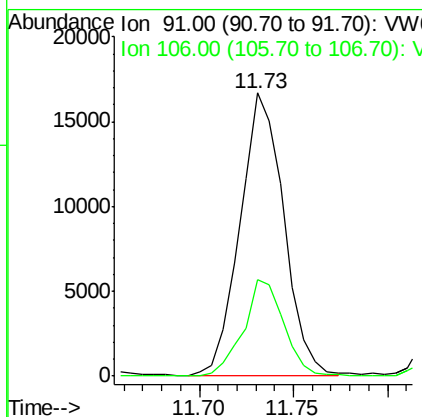
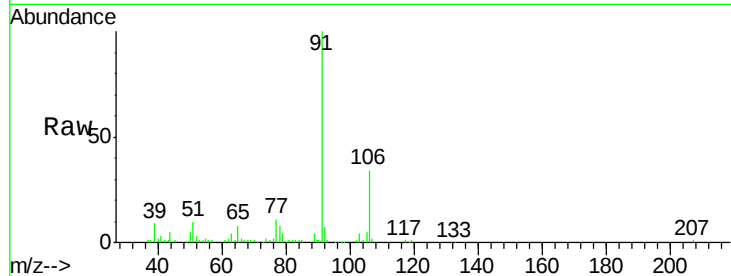
#53
Ethylbenzene
Concen: 0.570 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016460.D
Acq: 04 Sep 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
MDL02

Tot Ion: 91 Resp: 26886
Ion Ratio Lower Upper
91 100
106 34.2 21.6 40.2

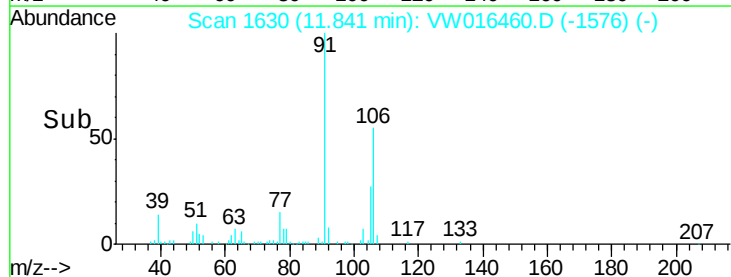
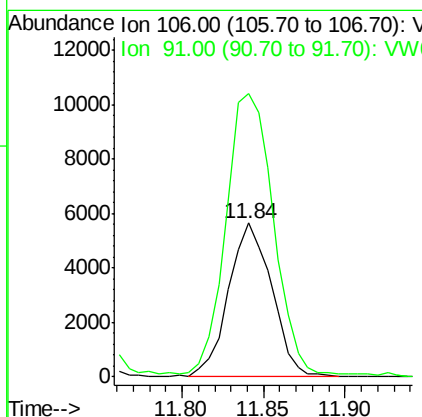
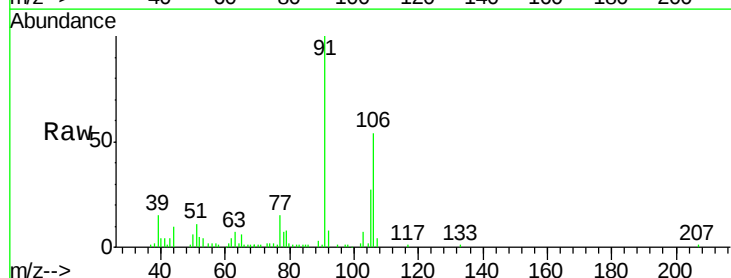
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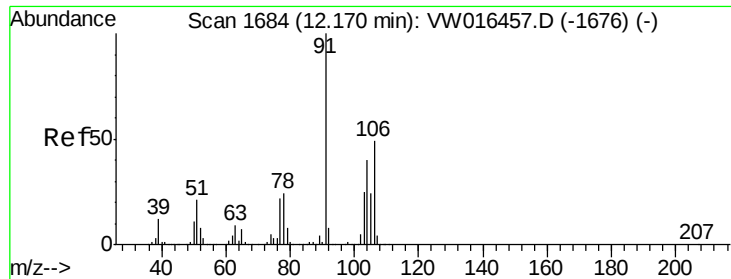
MMDadoda
9/8/2020 10:12:19 AM



#54
m,p-Xylene
Concen: 0.579 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016460.D
Acq: 04 Sep 2020 12:31

Tgt Ion: 106 Resp: 10436
Ion Ratio Lower Upper
106 100
91 184.0 142.3 264.3





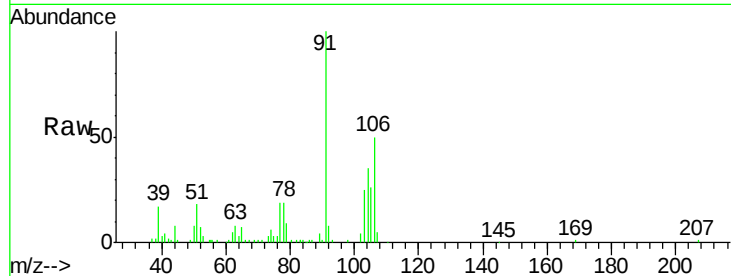
#55
o-xylene
Concen: 0.571 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016460.D
Acq: 04 Sep 2020 12:31

Instrument :
MSVOA_W
ClientSampled :
MDL02

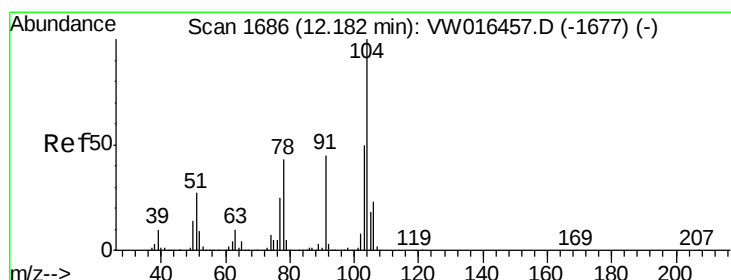
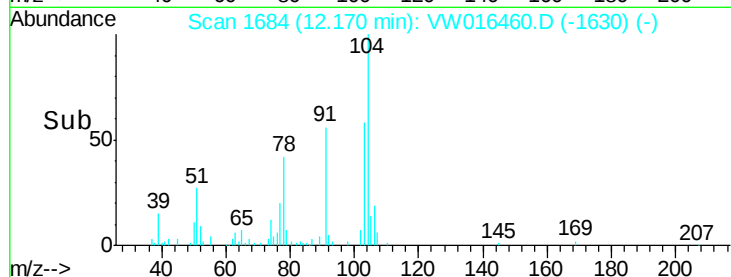
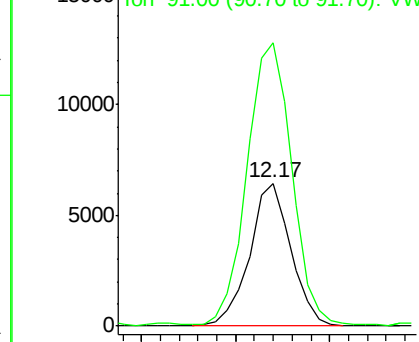
Tot Ion	Ratio	Lower	Upper
106	100		
91	198.4	144.3	267.9

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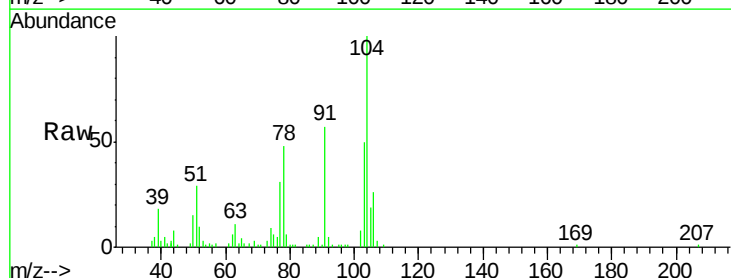


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

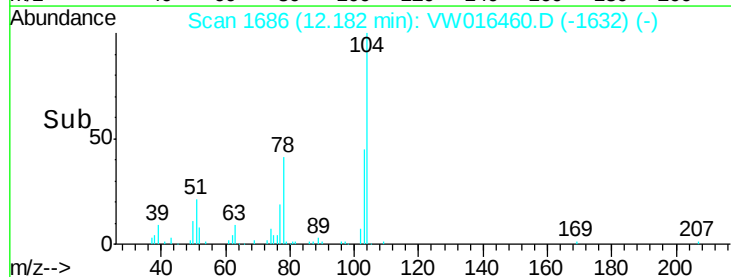
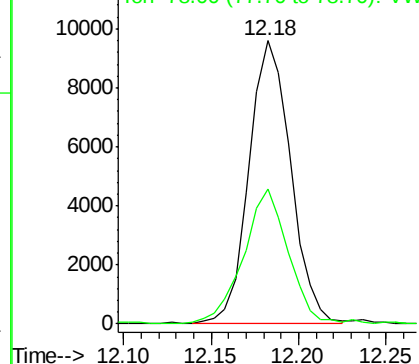


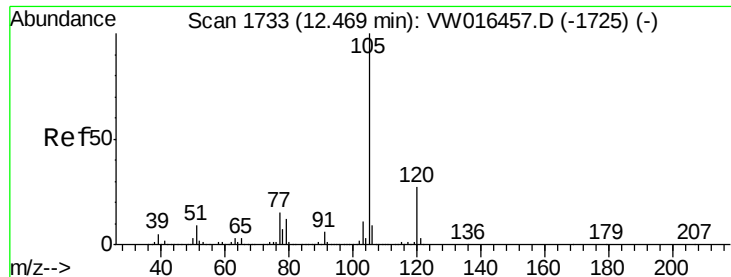
#56
Styrene
Concen: 0.541 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016460.D
Acq: 04 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	32.8	61.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 0.598 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW016460.D

Acq: 04 Sep 2020 12:31

Instrument :

MSVOA_W

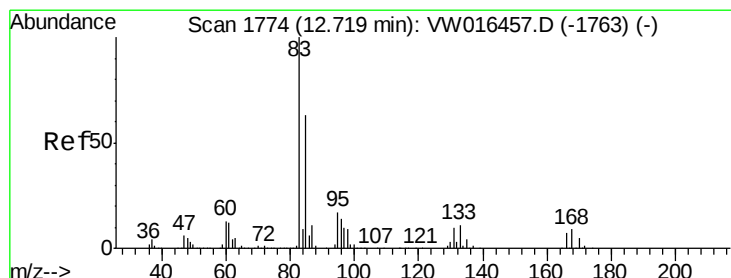
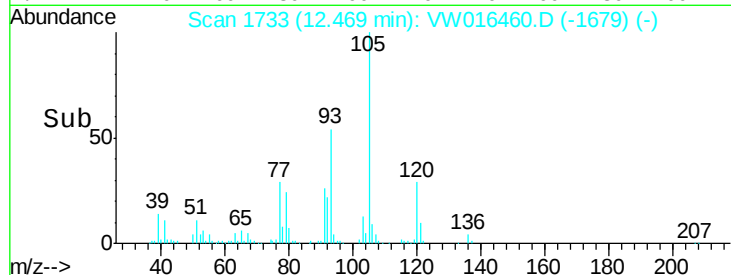
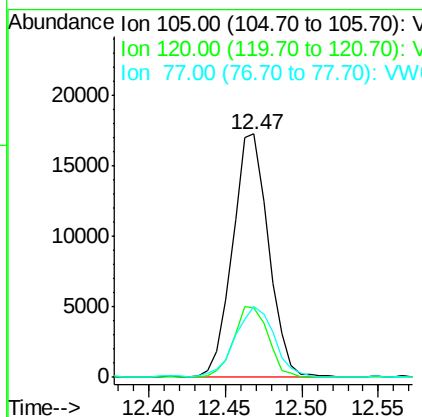
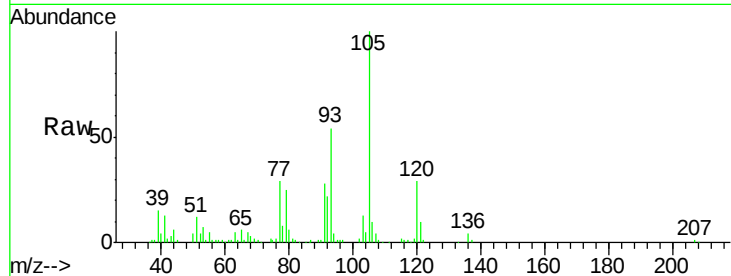
ClientSampleId :

MDL02

Tot Ion:	105	Resp:	28130
Ion Ratio		Lower	Upper
105	100		
120	27.9	21.9	32.9
77	31.9	13.0	19.6#

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.711 ug/L

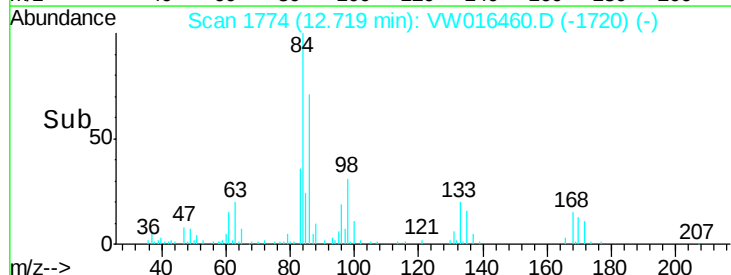
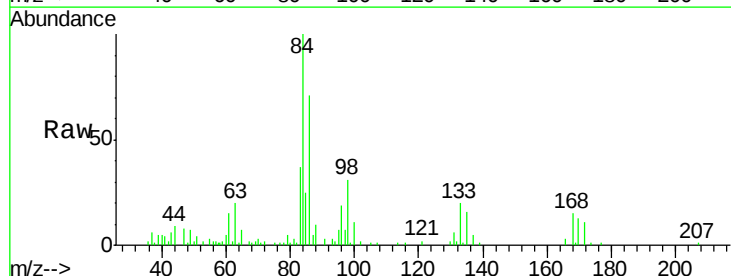
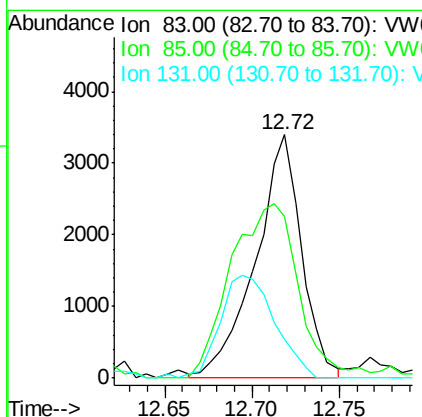
RT: 12.72 min Scan# 1774

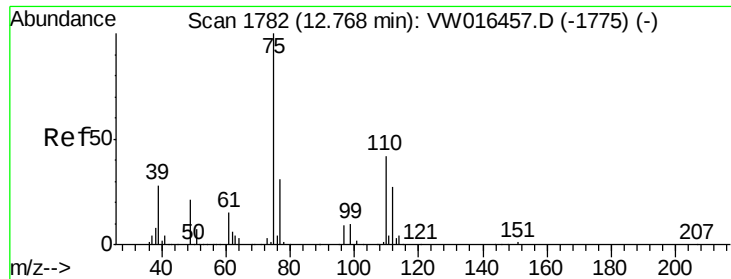
Delta R.T. -0.00 min

Lab File: VW016460.D

Acq: 04 Sep 2020 12:31

Tgt Ion:	83	Resp:	6216
Ion Ratio		Lower	Upper
83	100		
85	66.5	45.3	84.1
131	16.0	8.7	13.1#





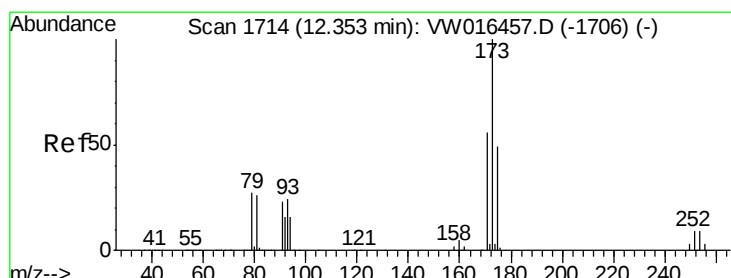
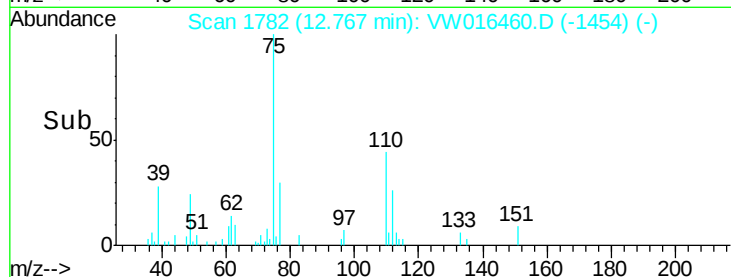
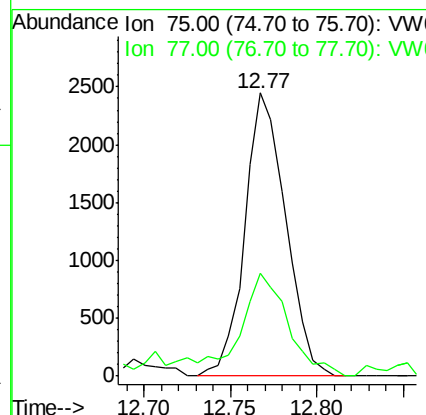
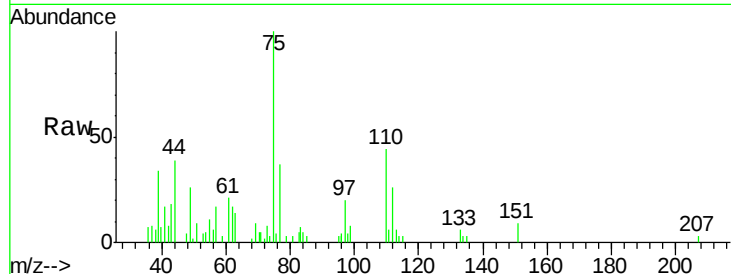
#59
 1,2,3-Trichloropropane
 Concen: 0.615 ug/L m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Instrument :
 MSVOA_W
 ClientSampled :
 MDL02

Tot Ion: 75 Resp: 4018
 Ion Ratio Lower Upper
 75 100
 77 392.6 26.0 39.0#

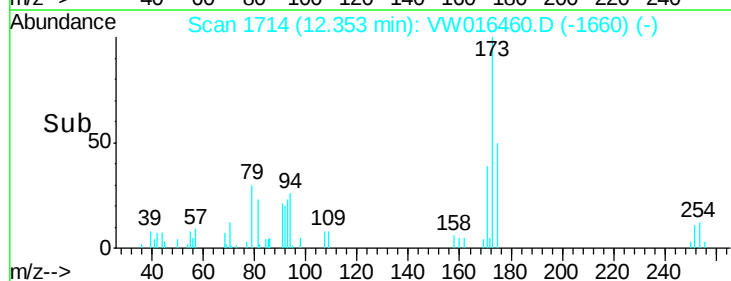
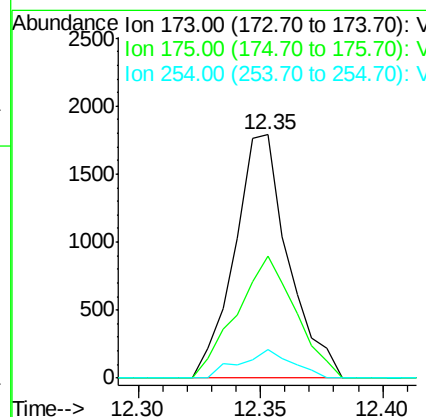
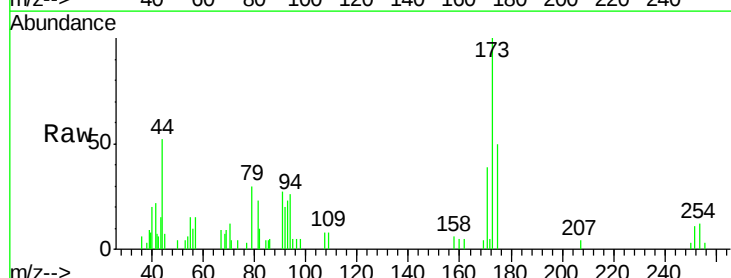
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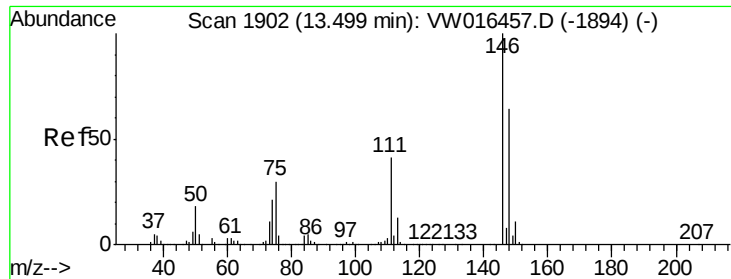
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#62
 Bromoform
 Concen: 0.489 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Tgt Ion: 173 Resp: 2742
 Ion Ratio Lower Upper
 173 100
 175 55.0 39.2 58.8
 254 11.4 5.8 8.6#





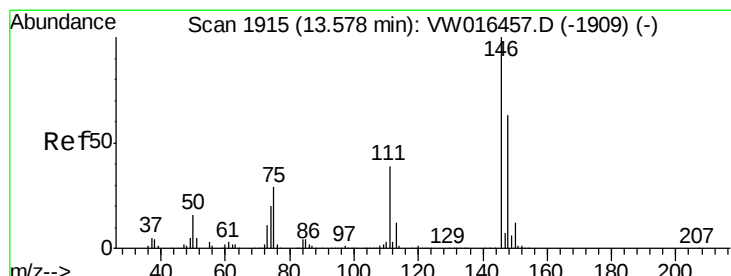
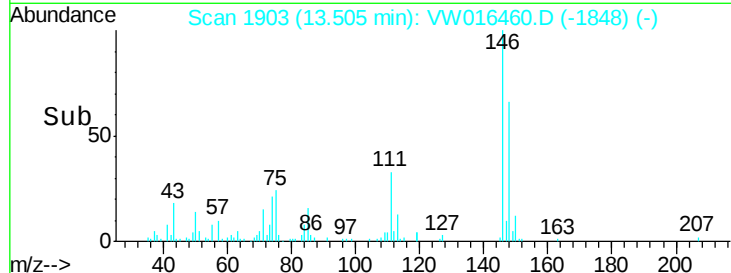
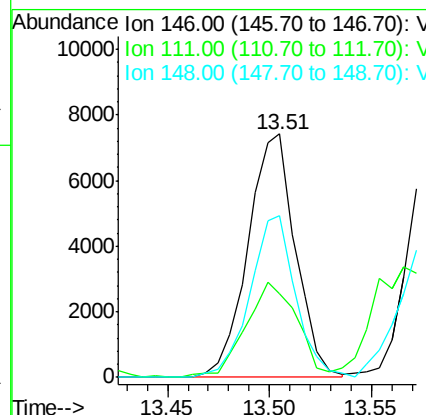
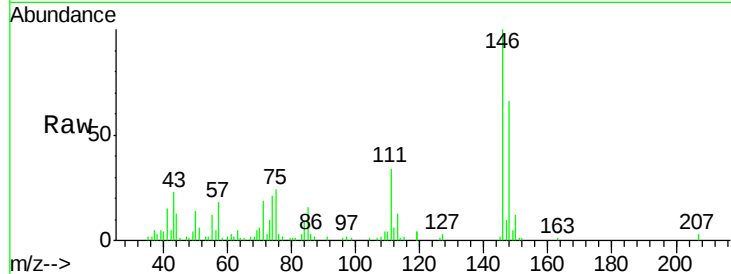
#63
 1,3-Dichlorobenzene
 Concen: 0.571 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Instrument :
 MSVOA_W
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.3	26.5	49.3
148	66.2	41.3	76.7

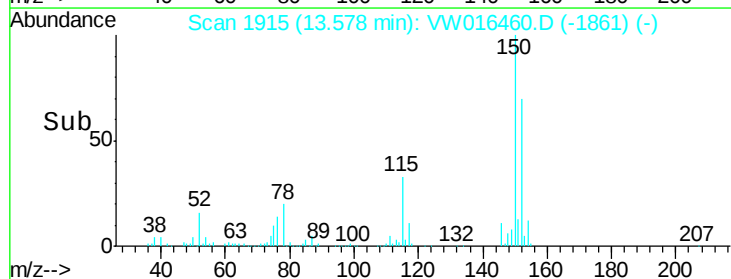
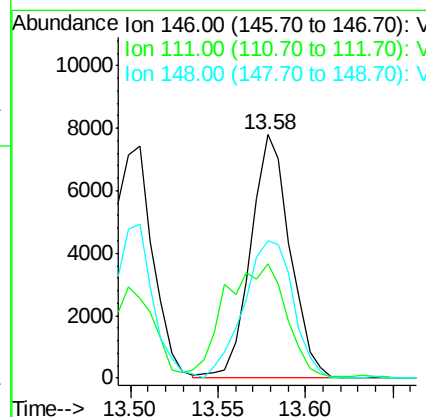
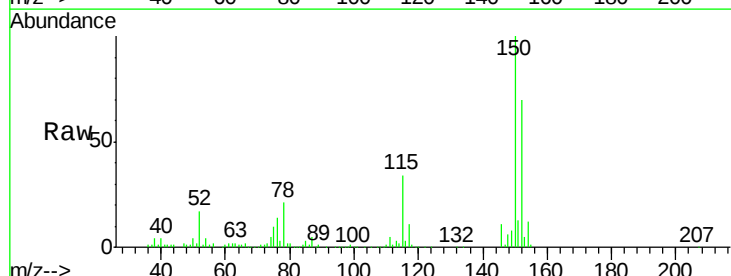
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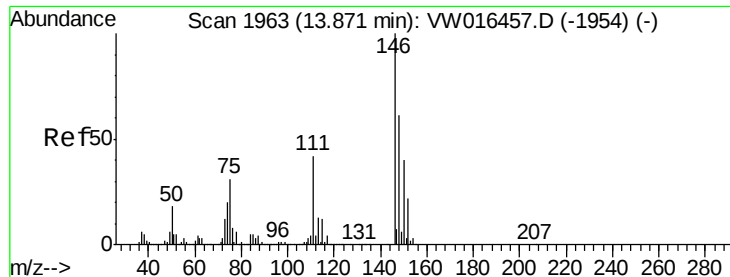
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#64
 1,4-Dichlorobenzene
 Concen: 0.589 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.7	26.4	49.0
148	56.2	45.1	83.9





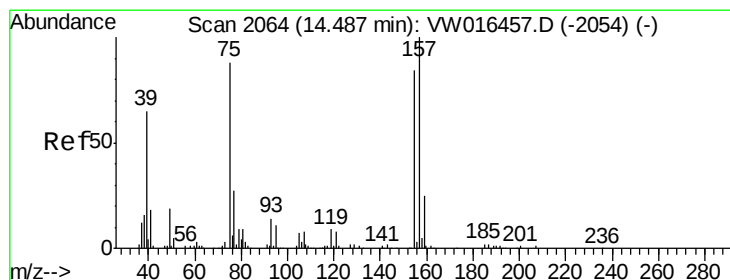
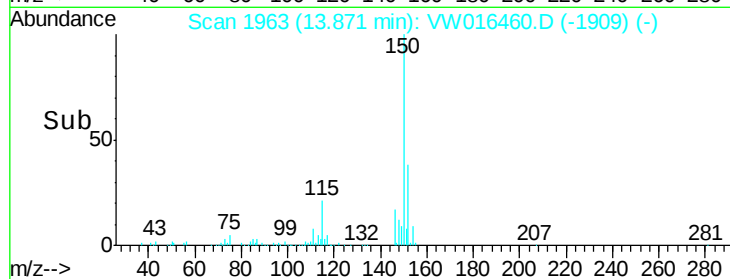
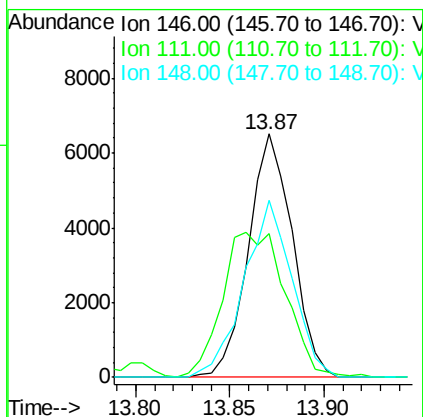
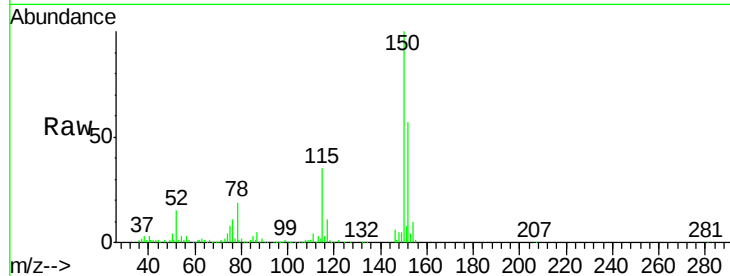
#65
 1,2-Dichlorobenzene
 Concen: 0.565 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	58.9	35.3	52.9#
148	73.0	49.8	74.8

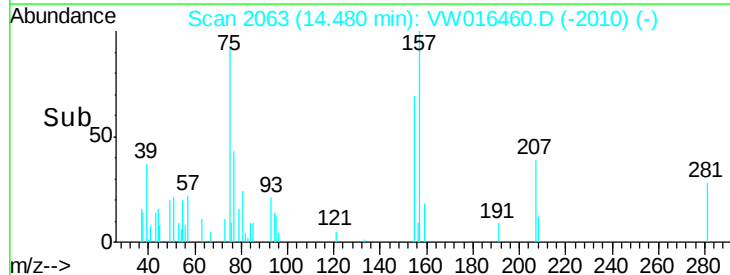
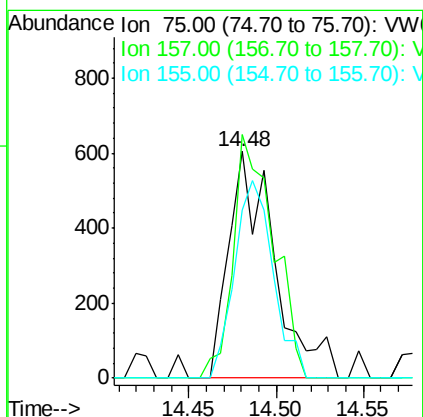
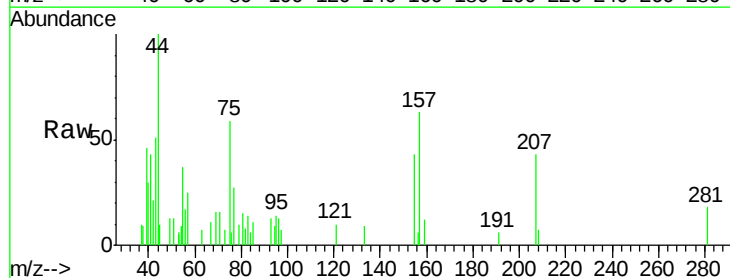
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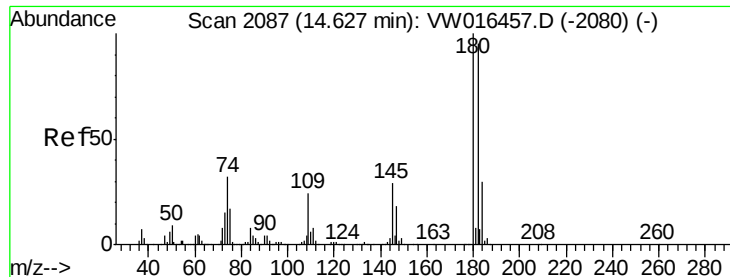
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.633 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW016460.D
 Acq: 04 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
157	107.3	91.4	137.0
155	73.9	71.3	106.9





#67

1,3,5-Trichlorobenzene

Concen: 0.588 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW016460.D

Acq: 04 Sep 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

MDL02

Tot Ion:180 Resp: 8519

Ion Ratio Lower Upper

180 100

182 86.3 75.8 113.8

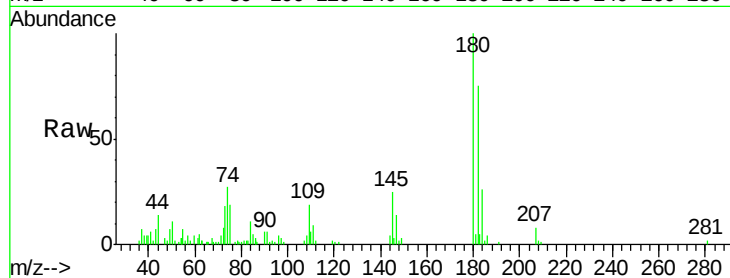
184 27.2 24.2 36.2

145 30.2 24.6 36.8

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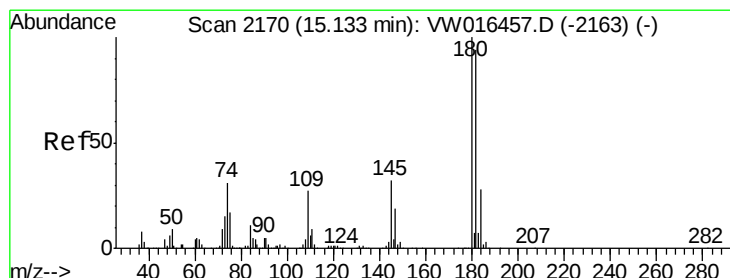
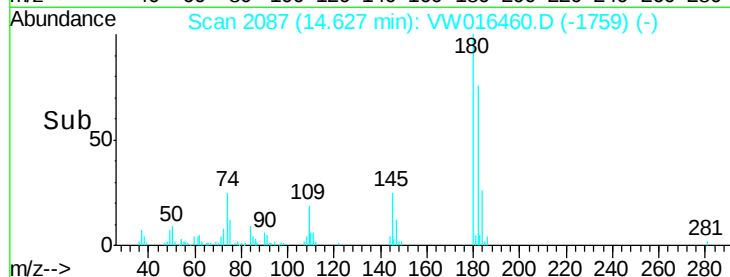
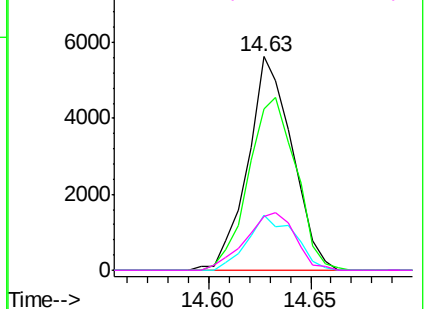


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 0.548 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW016460.D

Acq: 04 Sep 2020 12:31

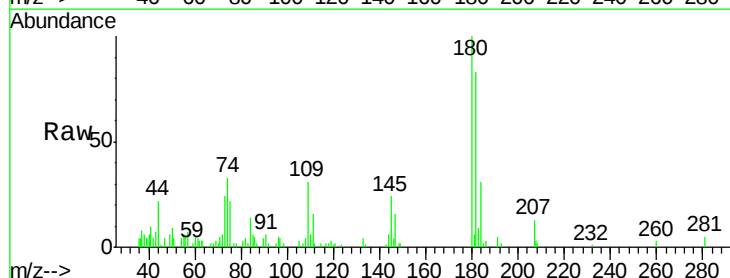
Tgt Ion:180 Resp: 6875

Ion Ratio Lower Upper

180 100

182 92.0 78.5 117.7

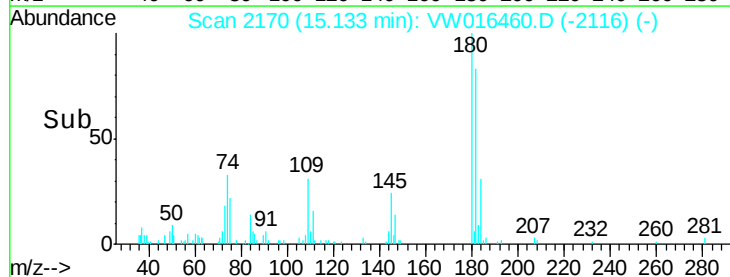
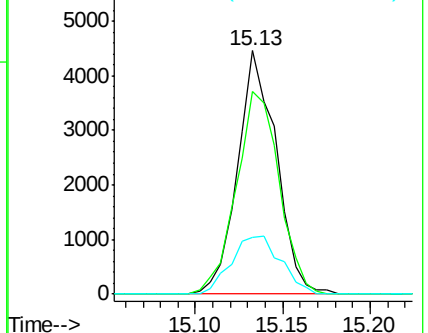
145 30.5 25.6 38.4

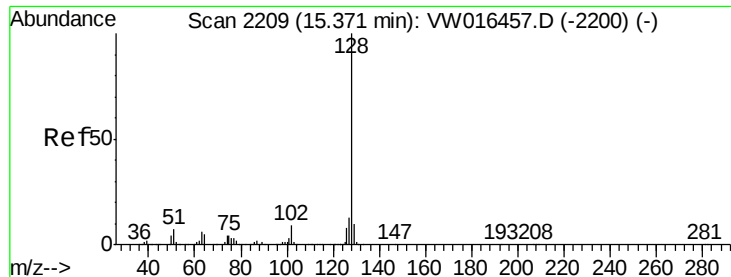


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 0.500 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016460.D

Acq: 04 Sep 2020 12:31

Instrument :

MSVOA_W

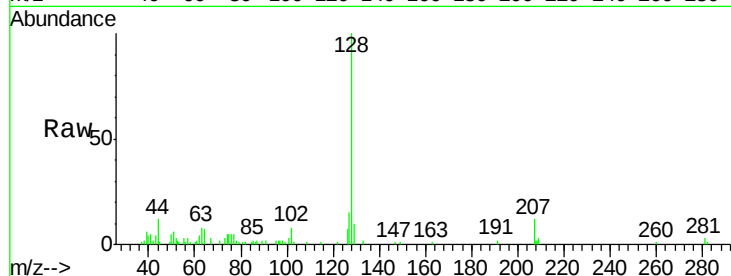
ClientSampled :

MDL02

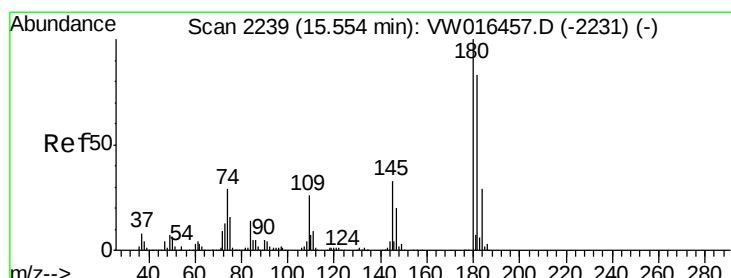
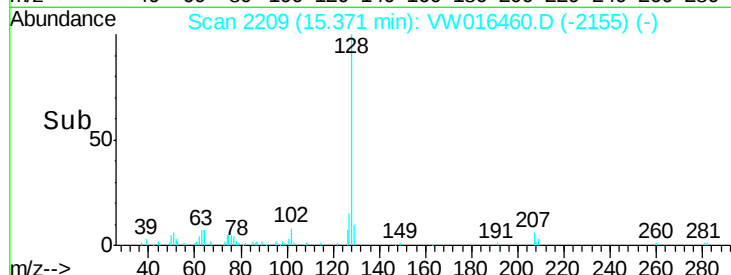
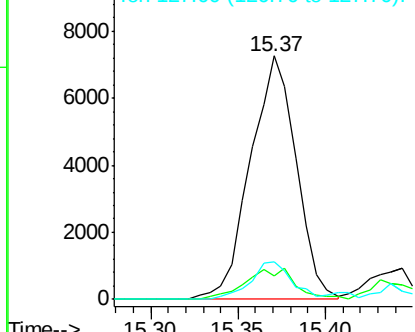
Tot Ion:	128	Resp:	13230
Ion Ratio	Lower	Upper	
128	100		
129	8.8	8.7	13.1
127	13.7	10.5	15.7

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.514 ug/L

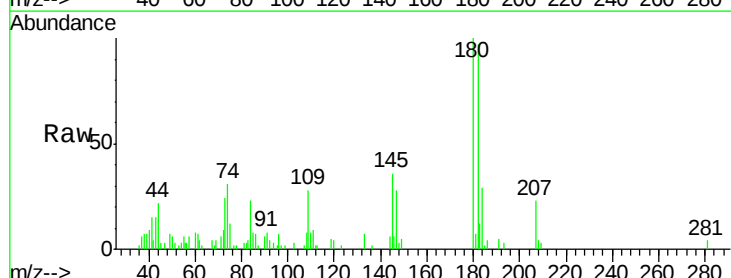
RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016460.D

Acq: 04 Sep 2020 12:31

Tgt Ion:	180	Resp:	5535
Ion Ratio	Lower	Upper	
180	100		
182	94.8	76.1	114.1
145	38.6	28.1	42.1



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

