

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036567.D
 Acq On : 30 Mar 2021 13:04
 Operator : SY/AP
 Sample : M1797-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-01(2021)

Manual Integrations
 APPROVED

MMDadoda
 4/1/2021 10:58:04 AM

Quant Time: Mar 31 16:28:29 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1353109	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3406357	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3229756	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2585310	10.04	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	38241	0.173	ppbv #	80
3) Chlorodifluoromethane	2.97	51	101897m	0.403	ppbv	
4) Chloromethane	3.12	50	124343	1.392	ppbv	92
9) Propene	2.99	41	1368108	16.975	ppbv	89
10) Heptane	8.10	43	509911	2.484	ppbv	100
11) Trichlorofluoromethane	3.93	101	52167m	0.232	ppbv	
13) Ethanol	3.61	45	10321109	1075.394	ppbv	94
15) Acetone	3.83	43	14212935	106.722	ppbv	91
17) tert-Butyl alcohol	4.30	59	141574	1.221	ppbv #	72
19) Isopropyl Alcohol	3.98	45	1683968	22.986	ppbv #	1
20) Methylene Chloride	4.32	84	1725119	27.666	ppbv	97
22) trans-1,2-Dichloroethene	4.85	96	12050m	0.203	ppbv	
26) Hexane	5.66	57	3552426	24.177	ppbv #	47
27) Carbon Disulfide	4.53	76	464736	3.211	ppbv	98
29) Chloroform	5.74	83	15148098	64.465	ppbv #	83
30) Cyclohexane	7.10	84	90907m	0.763	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	457598	1.932	ppbv	97
34) 2-Butanone	5.23	43	1578959	9.496	ppbv	99
35) Carbon Tetrachloride	7.00	117	70594m	0.270	ppbv	
36) Benzene	6.87	78	1364532	4.343	ppbv	99
38) Trichloroethene	7.81	130	15813m	0.129	ppbv	
40) 1,4-Dioxane	7.81	88	271062m	9.139	ppbv	
42) Bromodichloromethane	7.76	83	78376m	0.312	ppbv	
43) Methyl Methacrylate	8.00	69	65334m	0.619	ppbv	
44) 2,2,4-Trimethylpentane	7.84	57	262363m	0.475	ppbv	
50) 4-Methyl-2-Pentanone	8.73	43	108541	0.451	ppbv	95
51) 2-Hexanone	10.11	43	218001m	1.796	ppbv	
52) Tetrachloroethene	11.19	164	29621m	0.256	ppbv	
53) Toluene	9.78	91	2845308	8.505	ppbv	99
58) Ethyl Benzene	12.69	91	13111701	27.904	ppbv #	84
59) m/p-Xylene	12.95	91	19959680	48.701	ppbv #	80
60) o-Xylene	13.67	91	8381368	21.150	ppbv	95
61) Styrene	13.51	104	23529m	0.118	ppbv	
62) Isopropylbenzene	14.65	105	174515	0.327	ppbv	98
64) n-propylbenzene	15.54	120	55450m	0.425	ppbv	
65) tert-Butylbenzene	16.74	119	118695m	0.256	ppbv	
69) p-Isopropyltoluene	17.64	119	472997m	0.927	ppbv	
70) n-Butylbenzene	18.56	91	238124m	0.450	ppbv	
72) 4-Ethyltoluene	15.82	105	343934	0.792	ppbv #	97
73) 1,3,5-Trimethylbenzene	15.97	105	360676m	0.890	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	965088	2.225	ppbv #	69

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) 1,2-Dichlorobenzene	17.80	146	64614m	0.282	ppbv	
79) Naphthalene	22.18	128	107378m	0.424	ppbv	

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

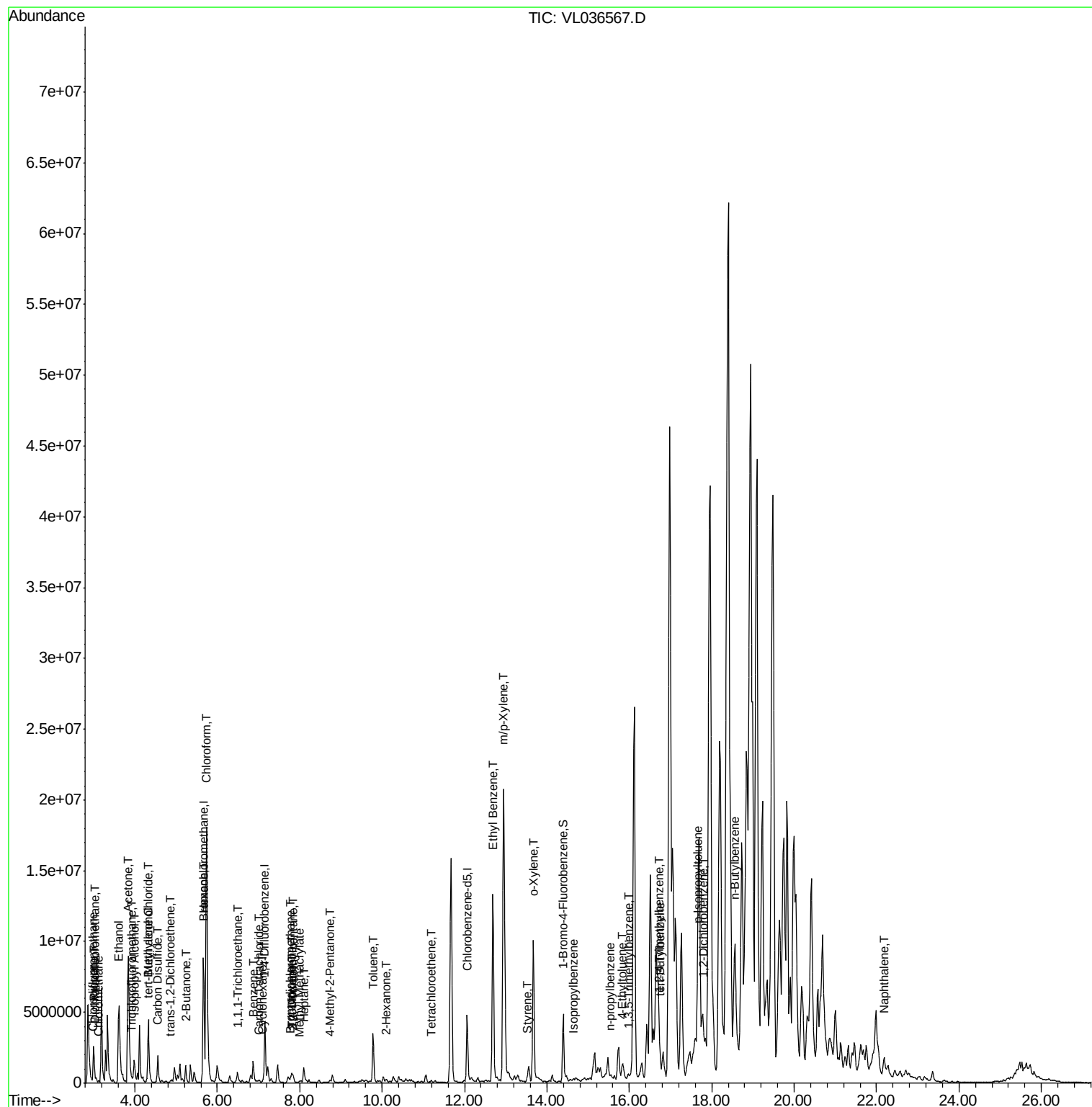
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL033021\
Data File : VL036567.D
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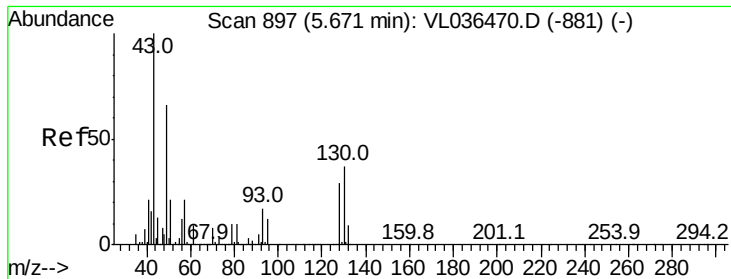
Instrument :
MSVOA_L
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MF-SG-01(2021)

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-01(2021)

Tot Ion: 49 Resp: 1353109

Ion Ratio Lower Upper

49 100

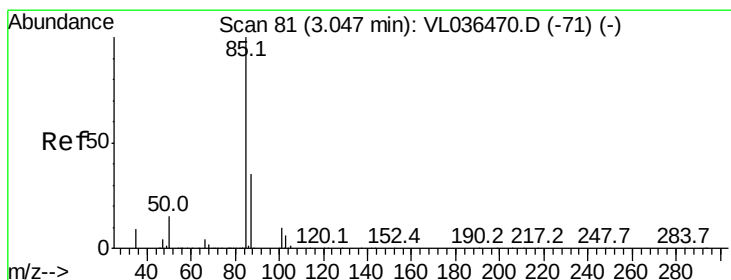
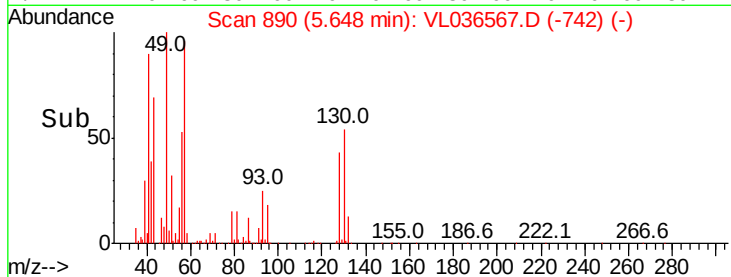
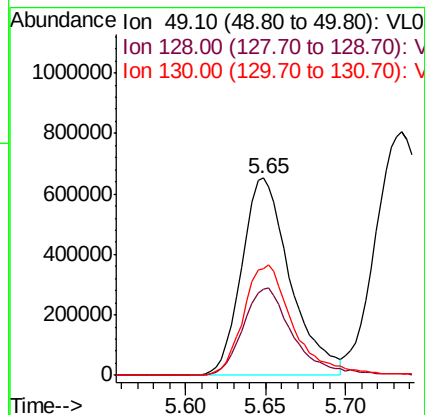
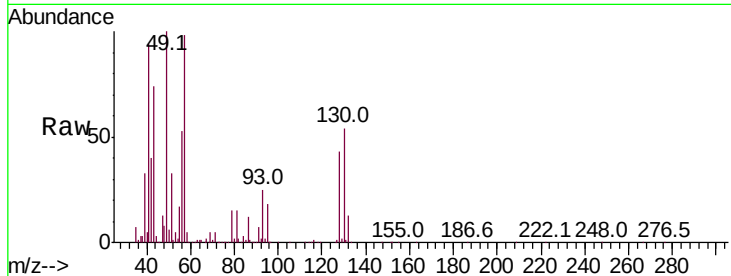
128 46.1 23.5 70.6

130 58.3 29.1 87.4

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.173 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.02 min

Lab File: VL036567.D

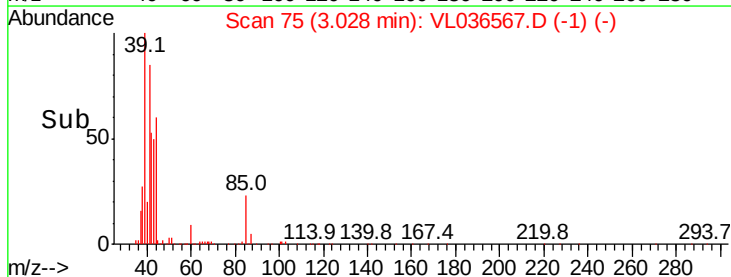
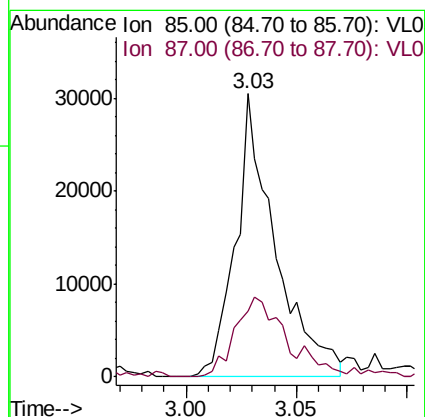
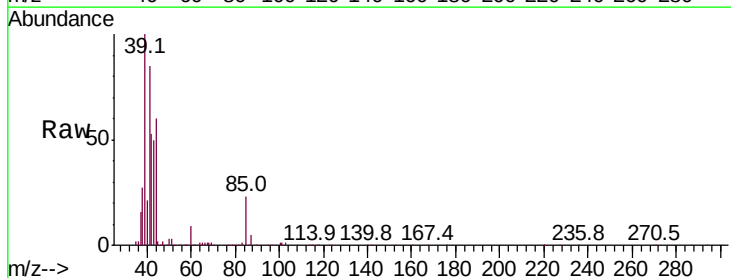
Acq: 30 Mar 2021 13:04

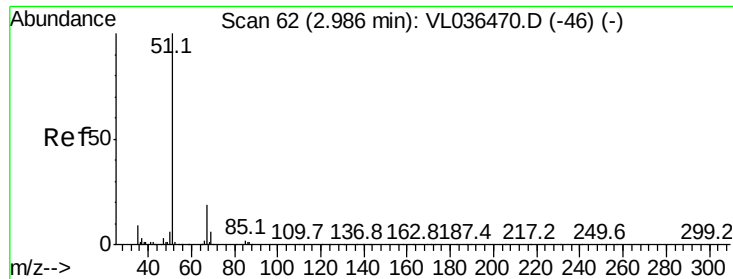
Tgt Ion: 85 Resp: 38241

Ion Ratio Lower Upper

85 100

87 23.4 27.8 41.8#





#3

Chlorodifluoromethane

Concen: 0.403 ppbv m

RT: 2.97 min Scan# 56

Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-01(2021)

Tot Ion: 51 Resp: 101897

Ion Ratio Lower Upper

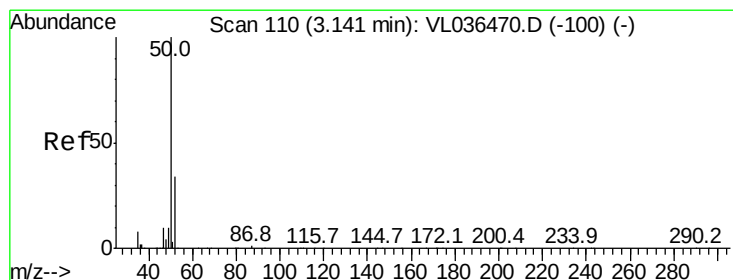
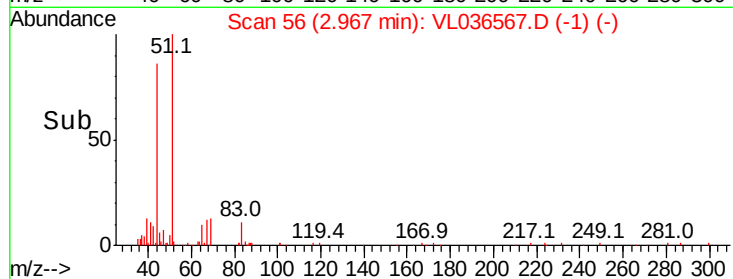
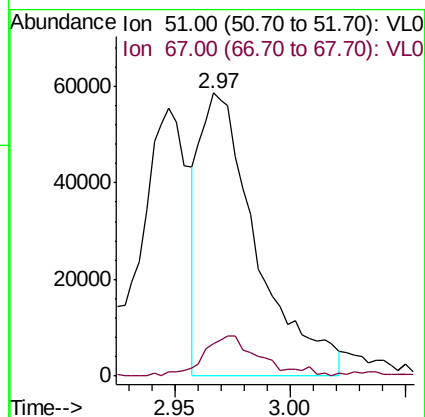
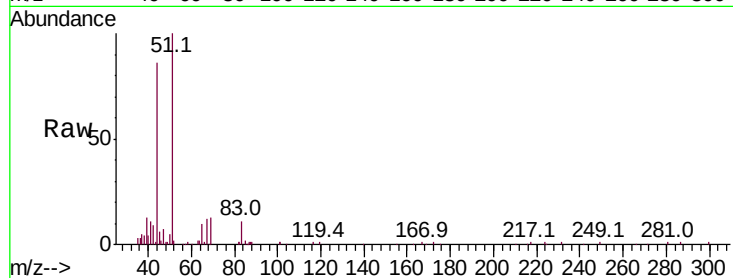
51 100

67 14.3 14.7 22.1#

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#4

Chloromethane

Concen: 1.392 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL036567.D

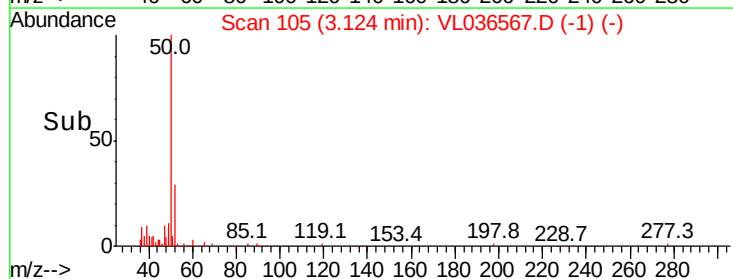
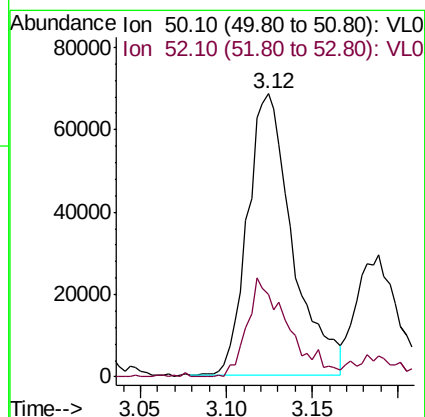
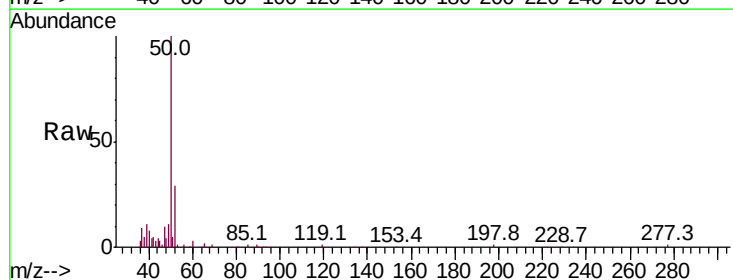
Acq: 30 Mar 2021 13:04

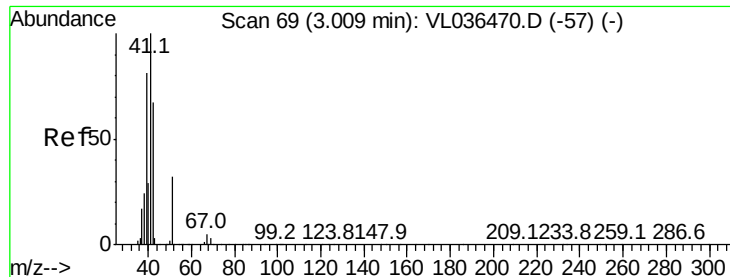
Tgt Ion: 50 Resp: 124343

Ion Ratio Lower Upper

50 100

52 29.4 27.0 40.6





#9

Propene

Concen: 16.975 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-01(2021)

Tot Ion: 41 Resp: 1368108

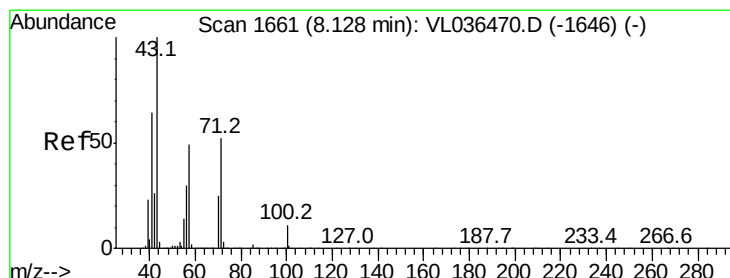
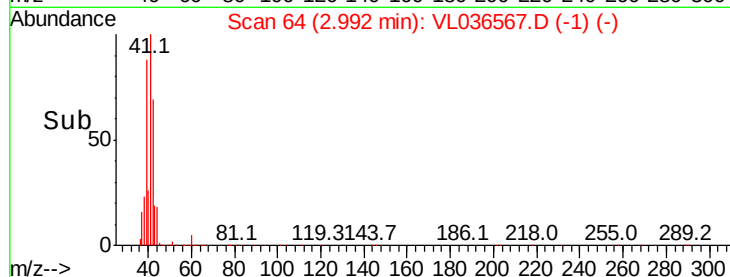
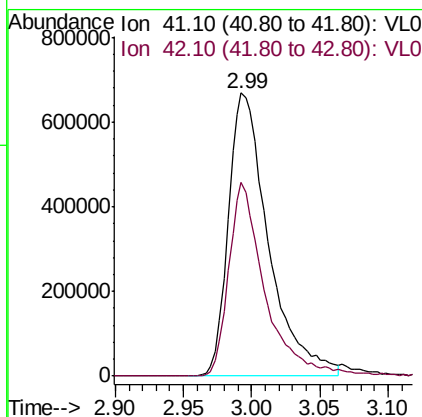
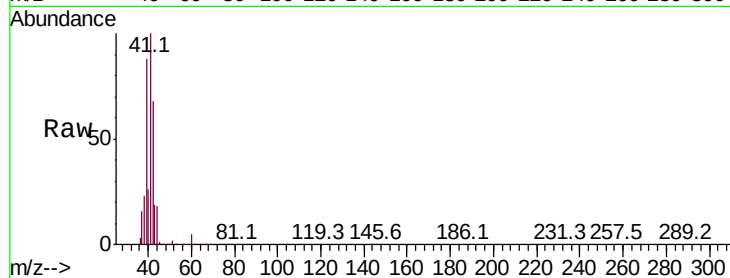
Ion Ratio Lower Upper

41 100

42 62.3 57.0 85.4

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#10

Heptane

Concen: 2.484 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.03 min

Lab File: VL036567.D

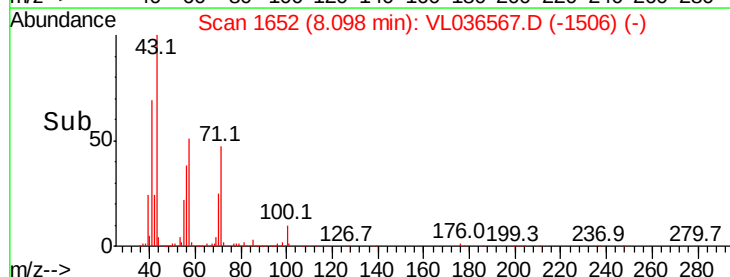
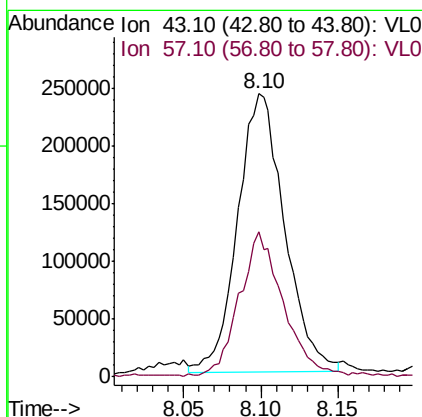
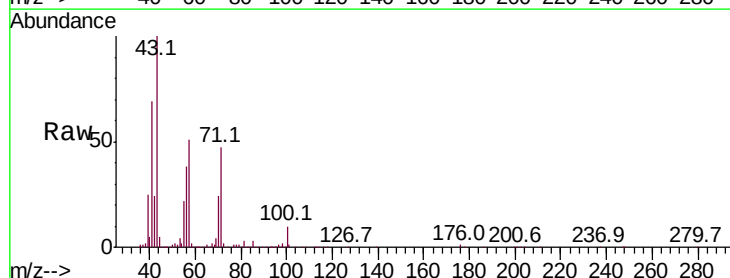
Acq: 30 Mar 2021 13:04

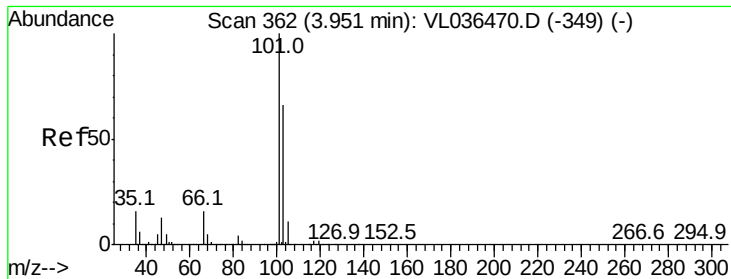
Tgt Ion: 43 Resp: 509911

Ion Ratio Lower Upper

43 100

57 48.9 39.0 58.6





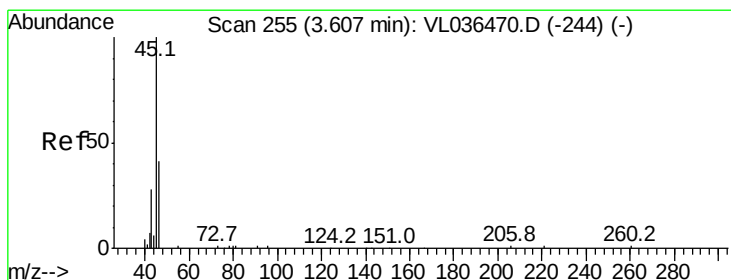
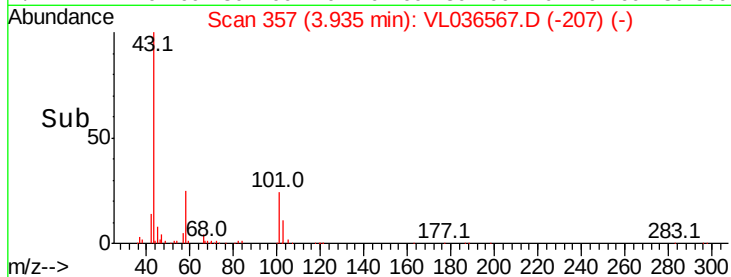
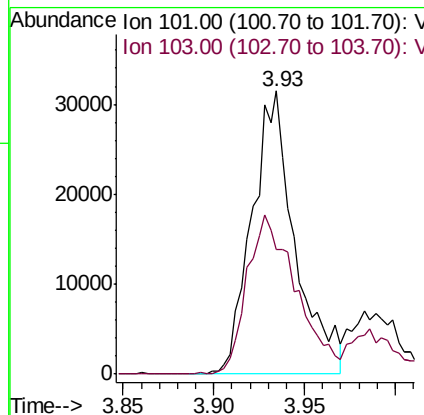
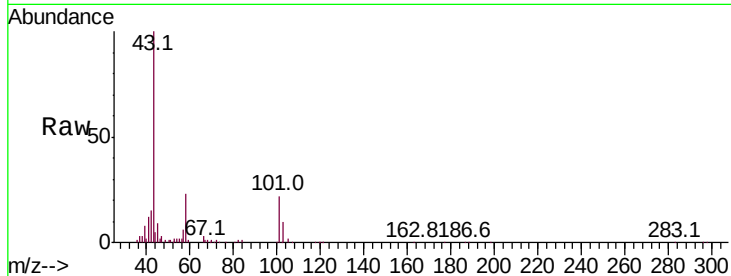
#11
 Trichlorofluoromethane
 Concen: 0.232 ppbv m
 RT: 3.93 min Scan# 357
 Delta R.T. -0.02 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-01(2021)

Tot Ion:101 Resp: 52167
 Ion Ratio Lower Upper
 101 100
 103 44.3 52.5 78.7#

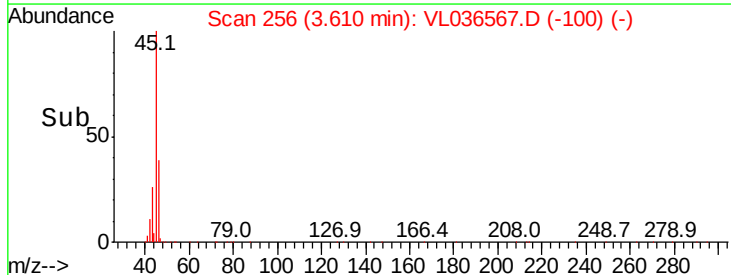
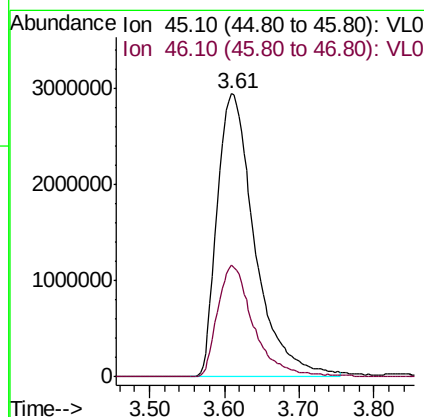
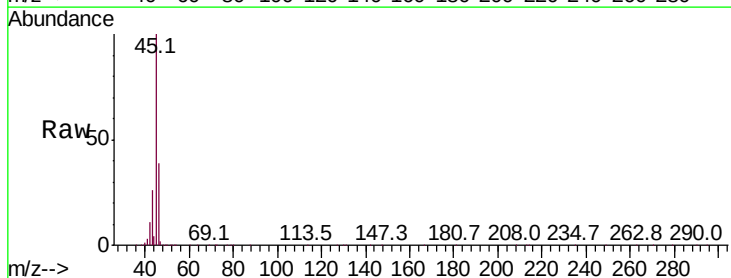
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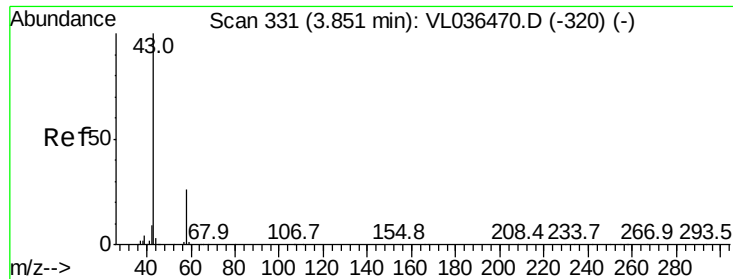
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#13
 Ethanol
 Concen: 1075.394 ppbv
 RT: 3.61 min Scan# 256
 Delta R.T. 0.00 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

Tgt Ion: 45 Resp:10321109
 Ion Ratio Lower Upper
 45 100
 46 37.9 16.6 66.2





#15

Acetone

Concen: 106.722 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-01(2021)

Tot Ion: 43 Resp: 14212935

Ion Ratio Lower Upper

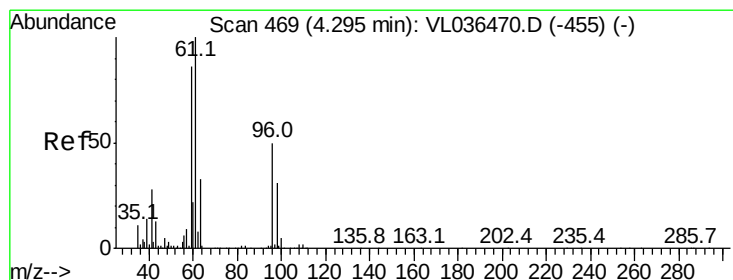
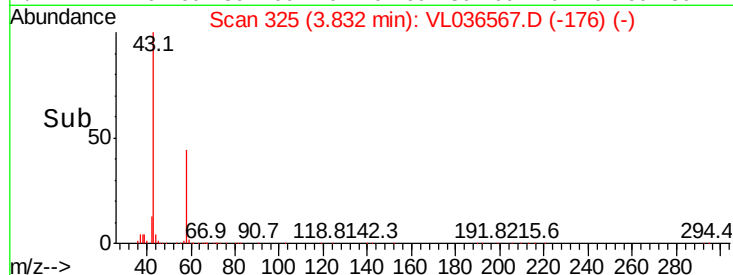
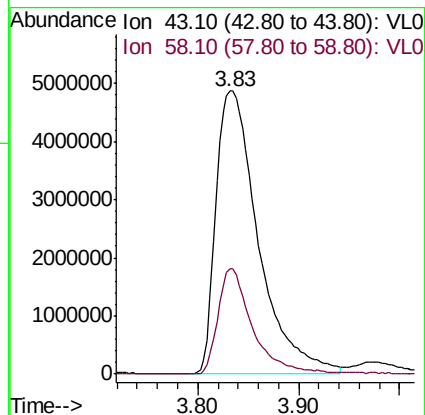
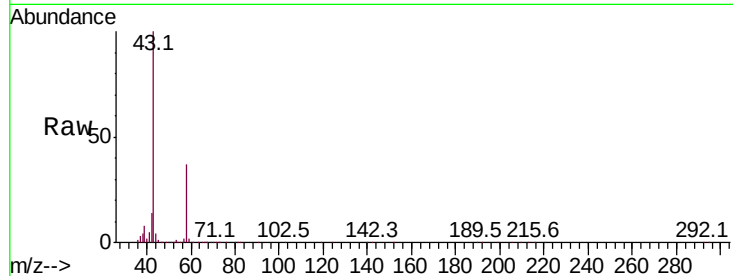
43 100

58 31.3 21.2 31.8

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#17

tert-Butyl alcohol

Concen: 1.221 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.01 min

Lab File: VL036567.D

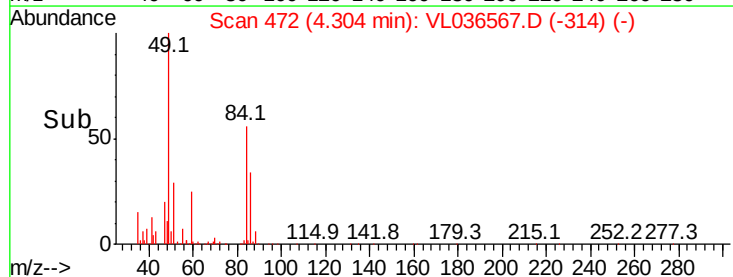
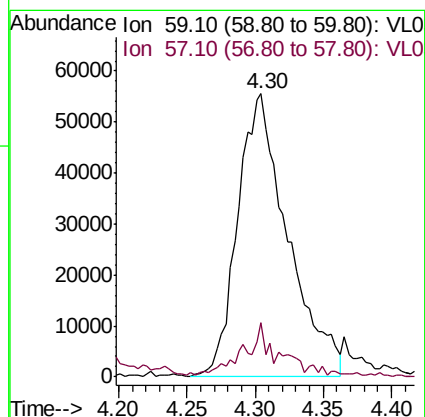
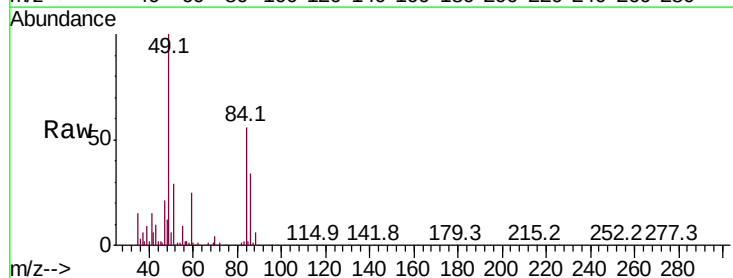
Acq: 30 Mar 2021 13:04

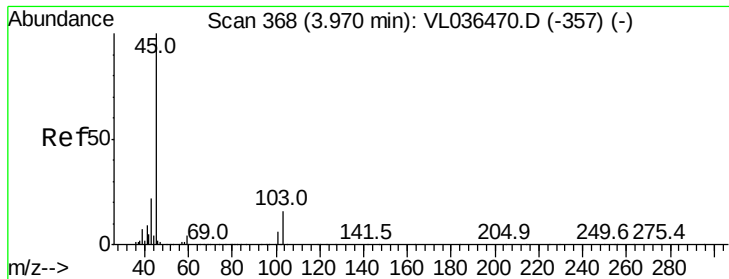
Tgt Ion: 59 Resp: 141574

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#





#19

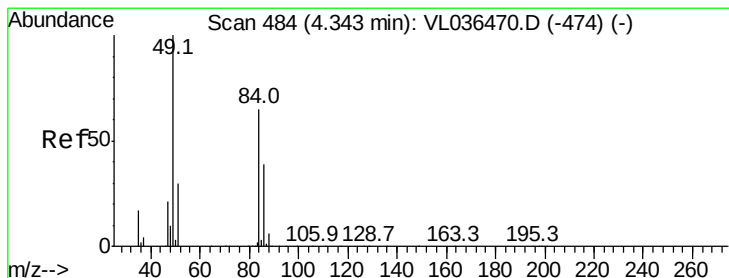
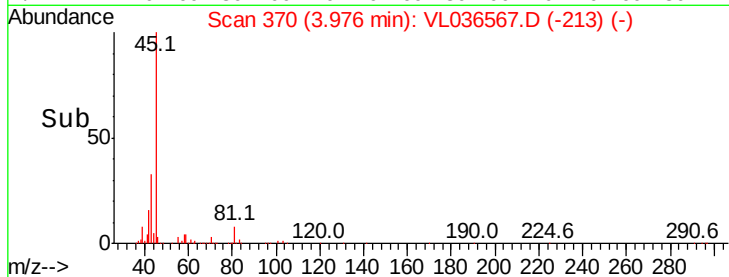
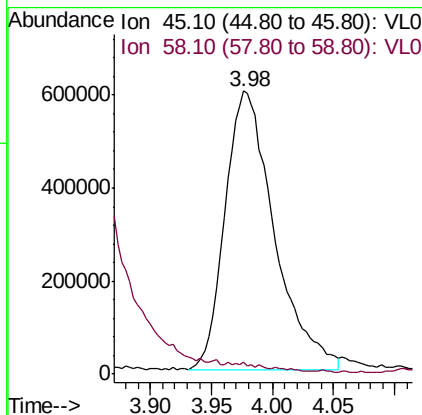
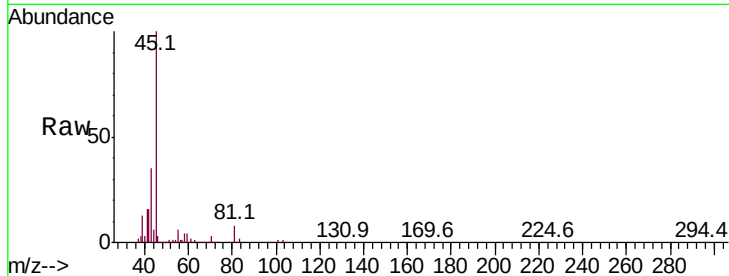
Isopropyl Alcohol
 Concen: 22.986 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-01(2021)

Tot Ion: 45 Resp: 1683968
 Ion Ratio Lower Upper
 45 100
 58 264.3 2.9 4.3#

Manual Integrations
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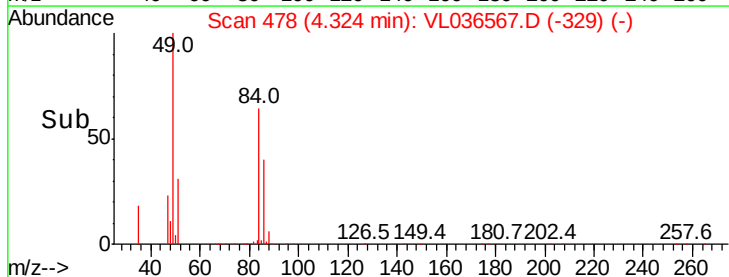
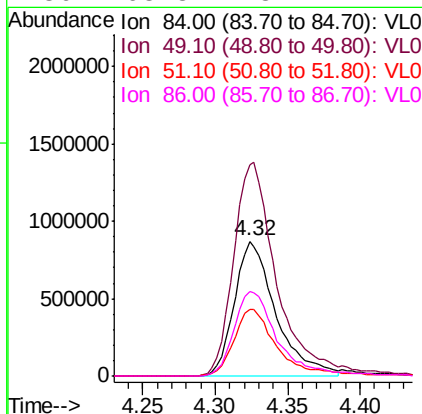
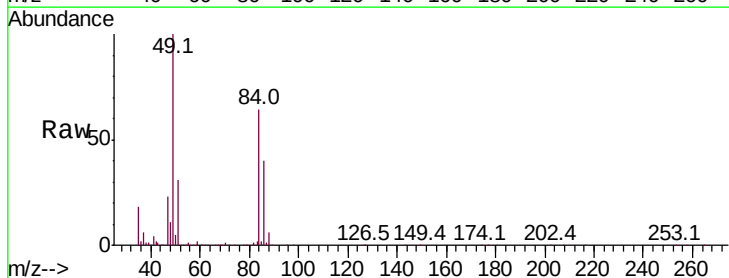
MMDadoda
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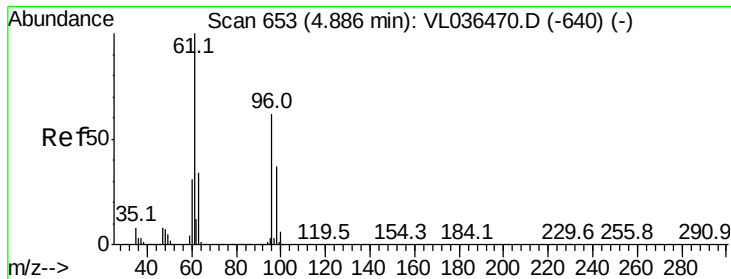


#20

Methylene Chloride
 Concen: 27.666 ppbv
 RT: 4.32 min Scan# 478
 Delta R.T. -0.02 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

Tgt Ion: 84 Resp: 1725119
 Ion Ratio Lower Upper
 84 100
 49 157.2 122.9 184.3
 51 49.0 36.9 55.3
 86 63.3 48.2 72.4





#22

trans-1,2-Dichloroethene

Concen: 0.203 ppbv m

RT: 4.85 min Scan# 643

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

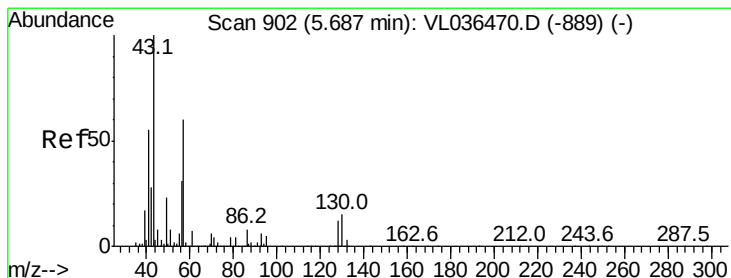
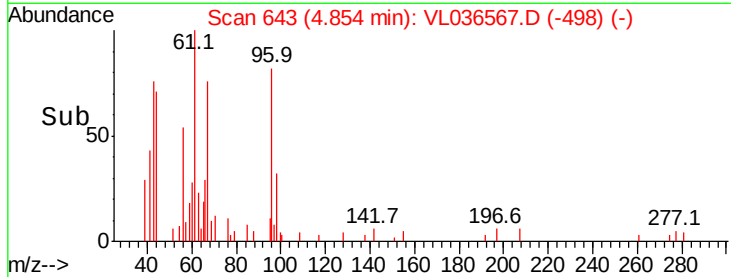
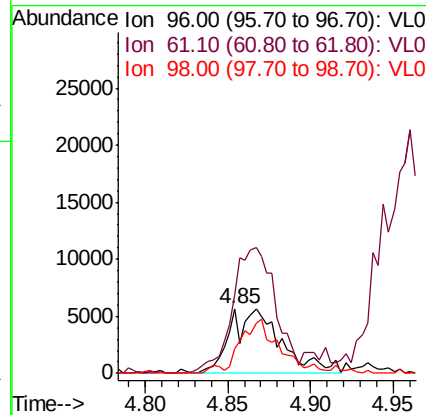
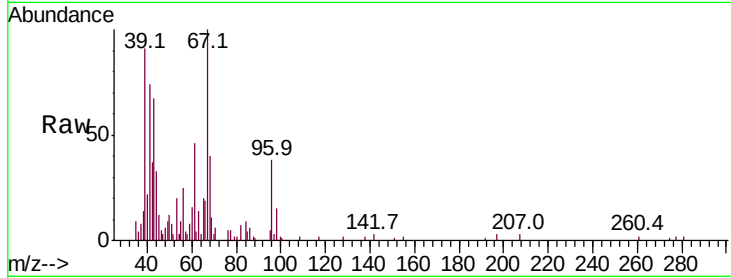
ClientSampleId :

MF-SG-01(2021)

Tot Ion:	96	Resp:	12050
Ion Ratio	Lower	Upper	
96	100		
61	122.5	129.4	194.0#
98	38.9	48.2	72.4#

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4/1/2021 10:58:04 AM



#26

Hexane

Concen: 24.177 ppbv

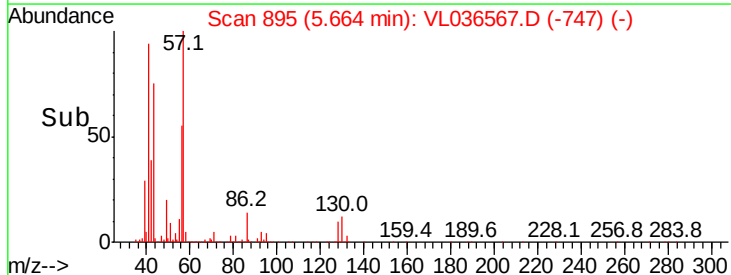
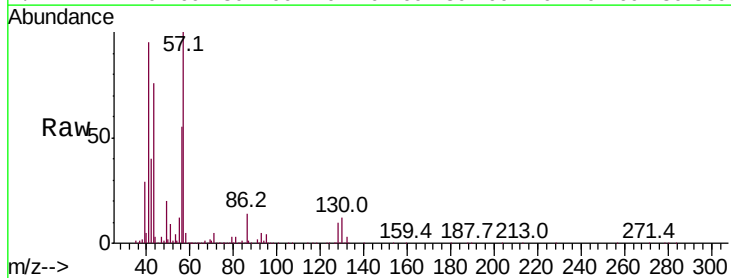
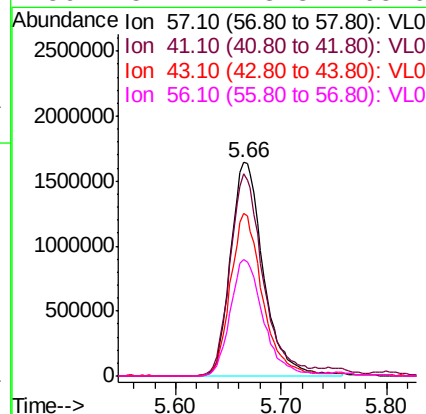
RT: 5.66 min Scan# 895

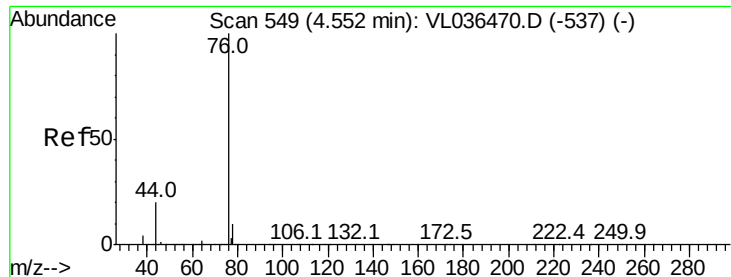
Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Tgt Ion:	57	Resp:	3552426
Ion Ratio	Lower	Upper	
57	100		
41	98.8	77.2	115.8
43	75.3	173.8	260.6#
56	54.7	43.8	65.6





#27

Carbon Disulfide

Concen: 3.211 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

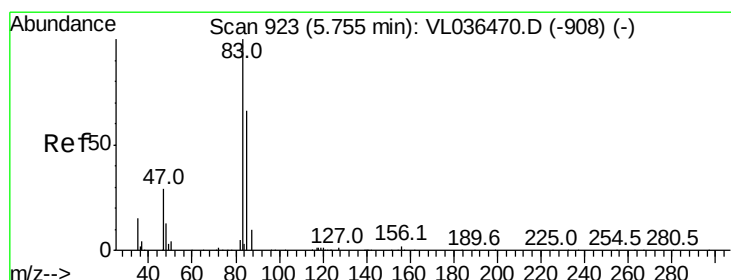
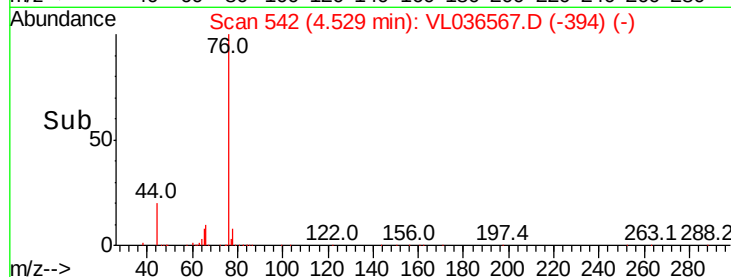
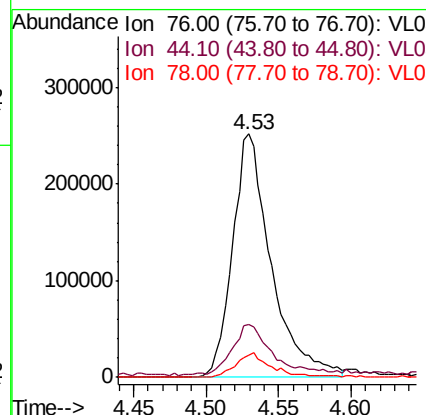
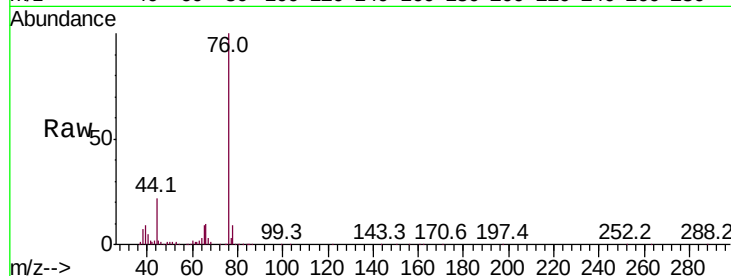
ClientSampleId :

MF-SG-01(2021)

Tot Ion:	76	Resp:	464736
Ion Ratio	Lower	Upper	
76	100		
44	22.8	17.5	26.3
78	9.8	8.6	13.0

Manual Integrations
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4/1/2021 10:58:04 AM



#29

Chloroform

Concen: 64.465 ppbv

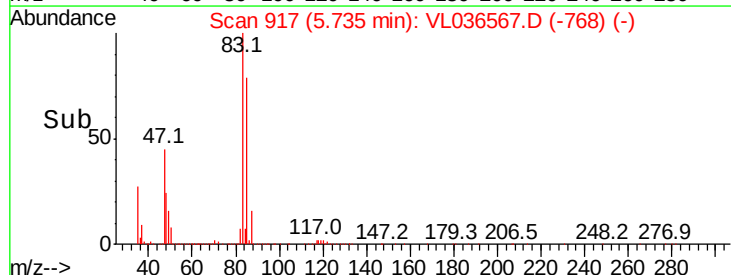
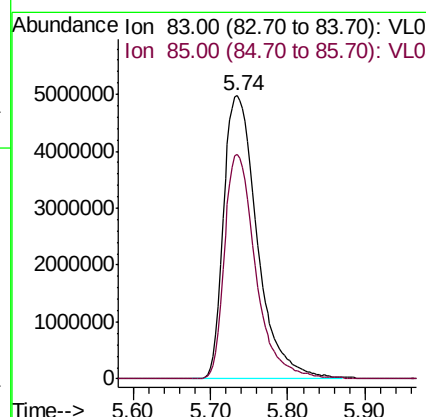
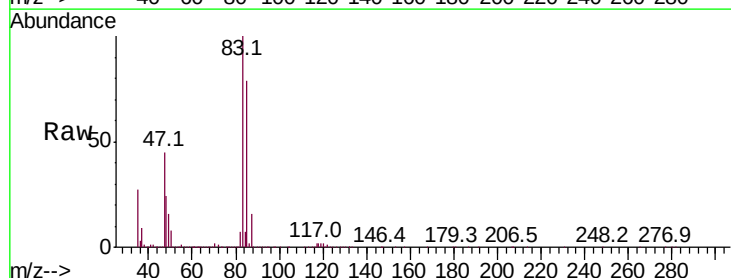
RT: 5.74 min Scan# 917

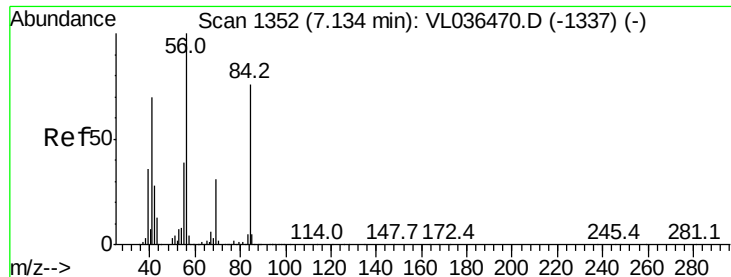
Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Tgt Ion:	83	Resp:	15148098
Ion Ratio	Lower	Upper	
83	100		
85	79.0	52.6	78.8#





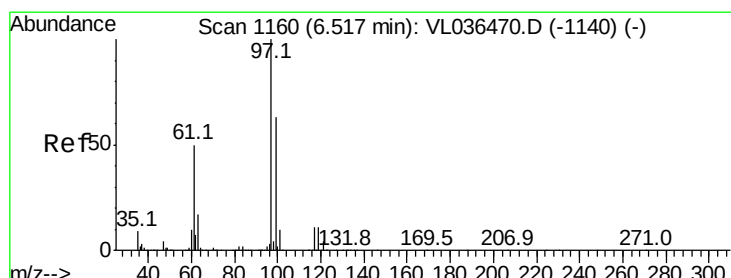
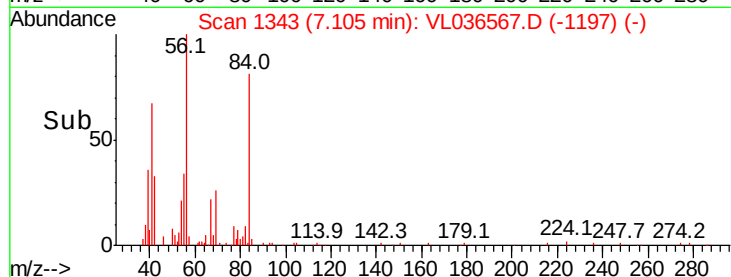
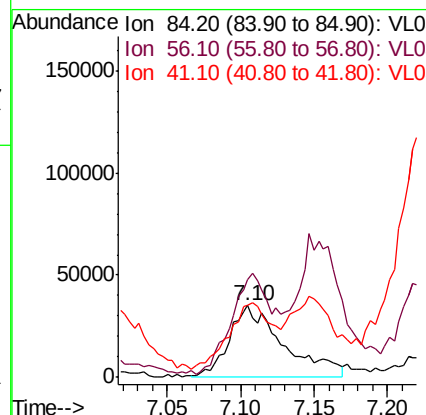
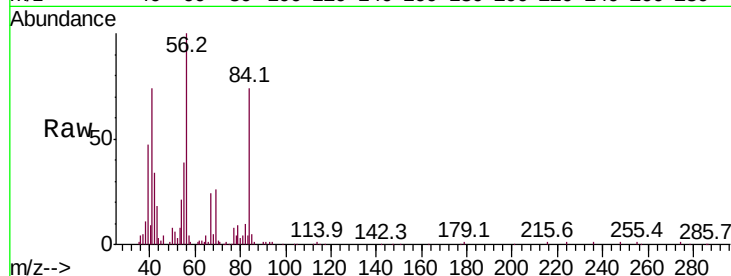
#30
Cyclohexane
Concen: 0.763 ppbv m
RT: 7.10 min Scan# 1343
Delta R.T. -0.03 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-01(2021)

Tot Ion	Ratio	Lower	Upper
84	100		
56	103.6	114.6	171.8#
41	72.2	75.3	112.9#

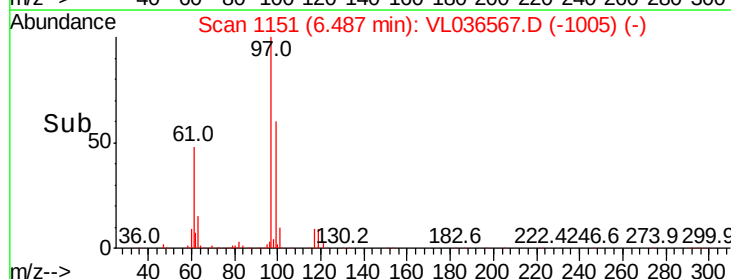
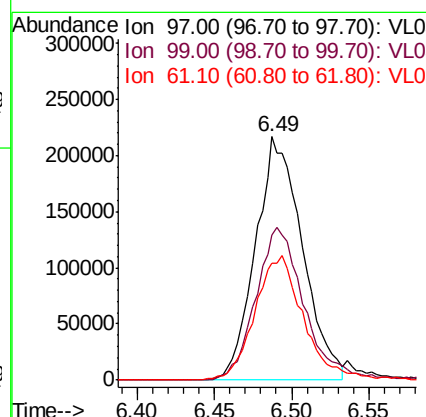
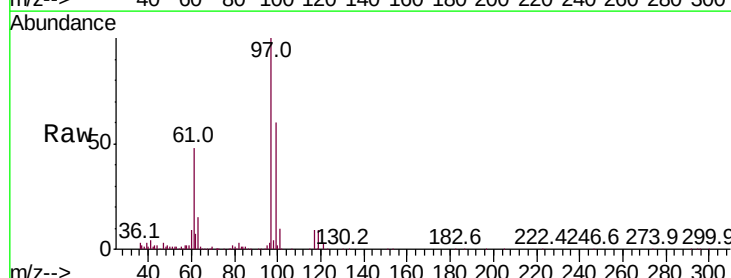
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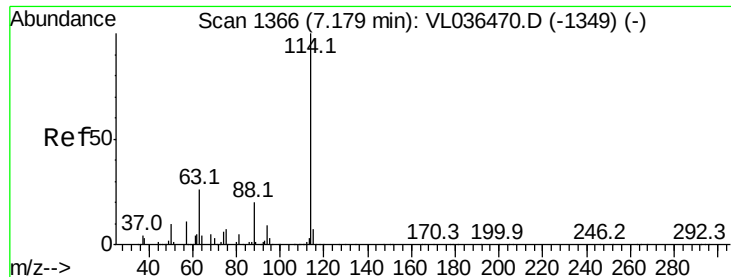
MMDadoda
4/1/2021 10:58:04 AM



#32
1,1,1-Trichloroethane
Concen: 1.932 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.03 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.4	77.0
61	53.5	40.6	60.8





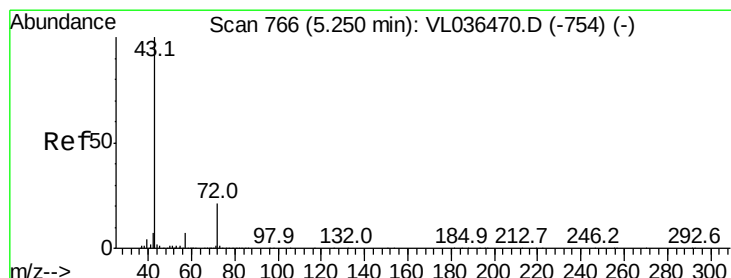
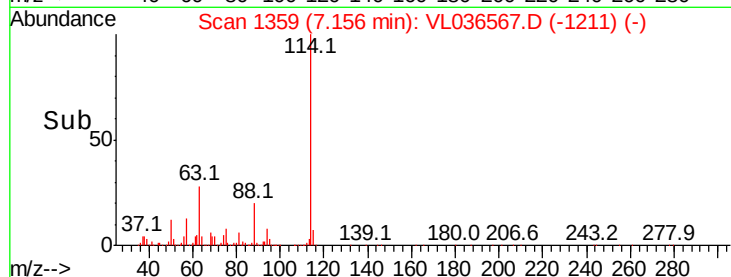
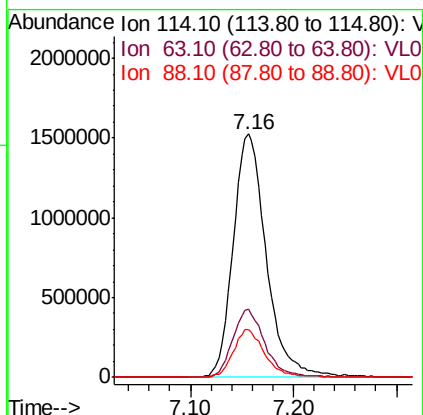
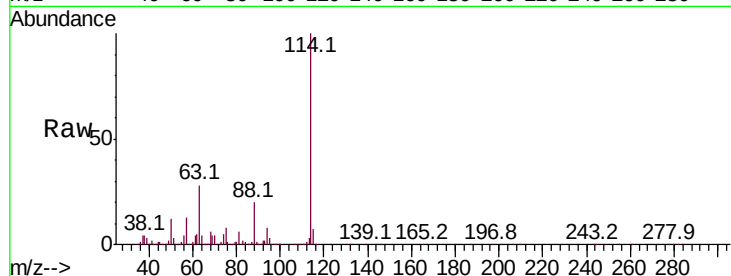
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-01(2021)

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.4	33.6
88	18.9	15.4	23.0

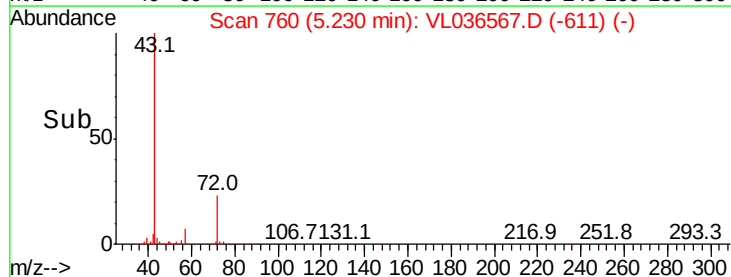
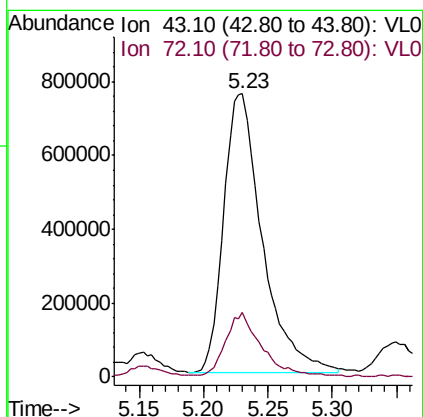
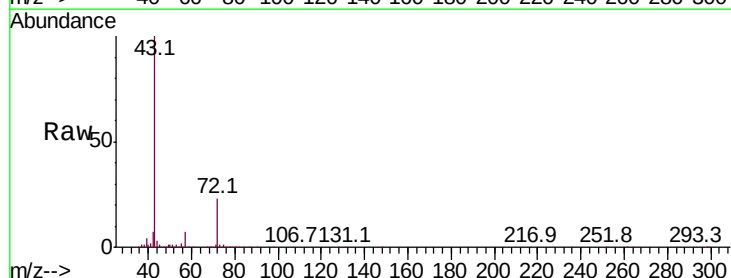
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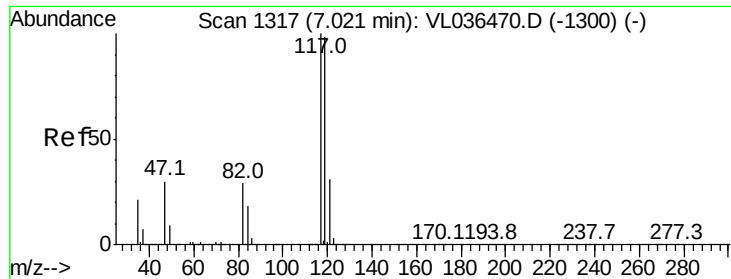
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 4/1/2021 10:58:04 AM



#34
 2-Butanone
 Concen: 9.496 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.8	17.0	25.6





#35

Carbon Tetrachloride

Concen: 0.270 ppbv m

RT: 7.00 min Scan# 1310

Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

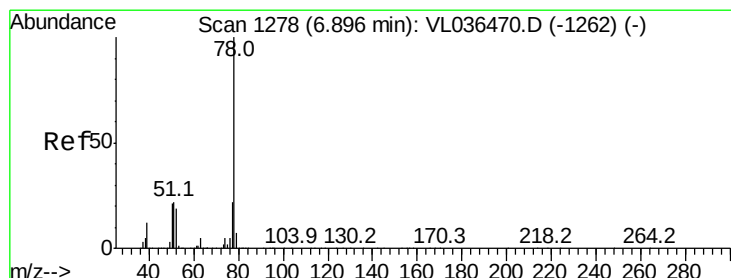
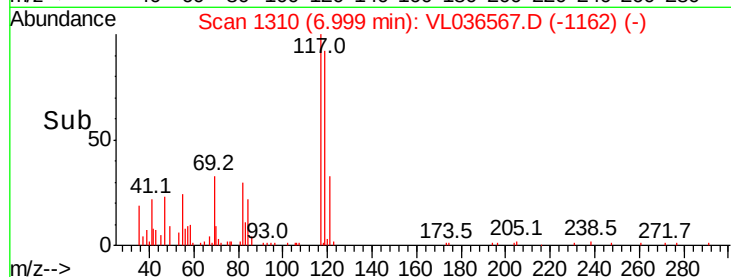
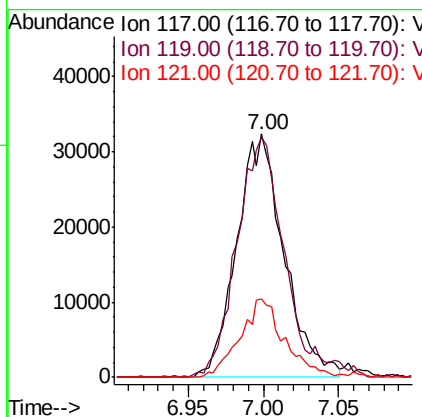
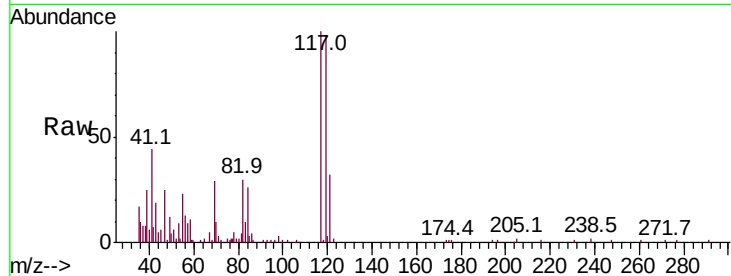
ClientSampleId :

MF-SG-01(2021)

Tot Ion:	117	Resp:	70594
Ion Ratio	Lower	Upper	
117	100		
119	98.5	78.2	117.2
121	32.3	24.5	36.7

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#36

Benzene

Concen: 4.343 ppbv

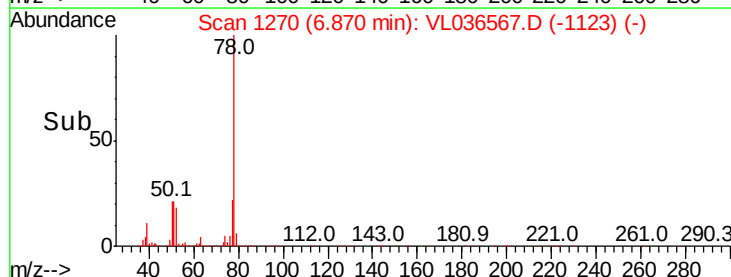
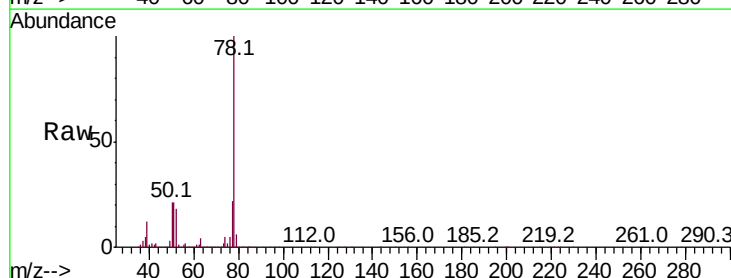
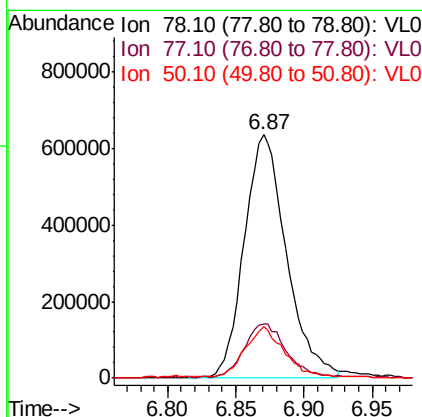
RT: 6.87 min Scan# 1270

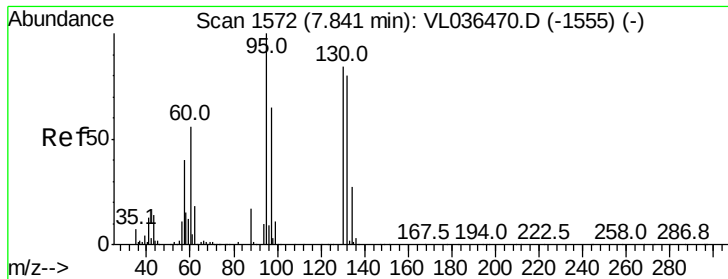
Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Tgt Ion:	78	Resp:	1364532
Ion Ratio	Lower	Upper	
78	100		
77	21.8	18.0	27.0
50	20.6	16.5	24.7





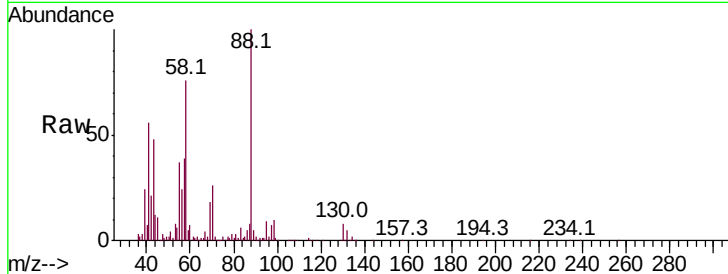
#38
 Trichloroethene
 Concen: 0.129 ppbv m
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.03 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-01(2021)

Tot Ion	Ratio	Lower	Upper
130	100		
95	113.8	95.7	143.5
132	66.9	76.2	114.4#
97	85.8	61.8	92.6

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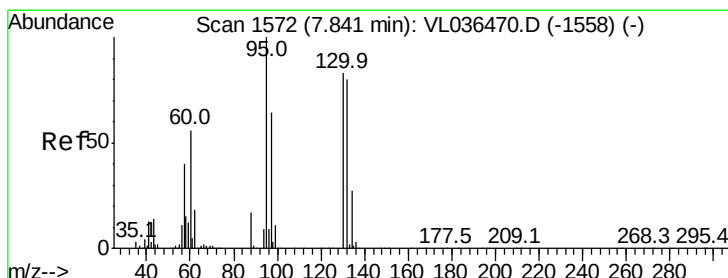
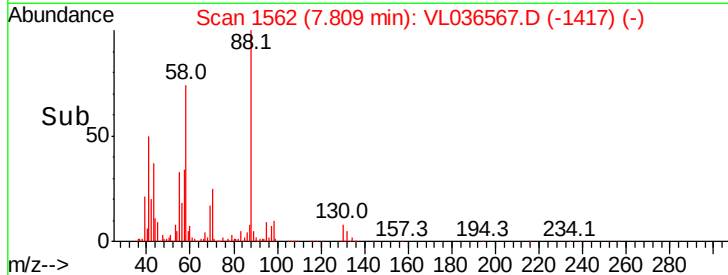
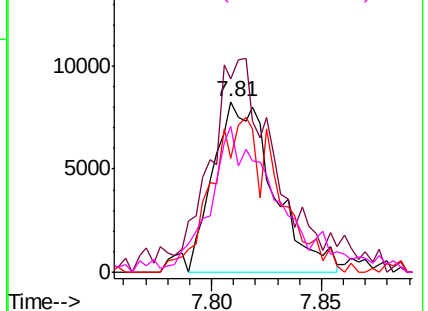
Abundance

Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#40
 1,4-Dioxane
 Concen: 9.139 ppbv m
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.03 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

Tgt Ion	Ratio	Lower	Upper
88	100		
58	83.3	134.1	201.1#
43	59.7	346.6	520.0#
57	0.0	1481.8	2222.8#

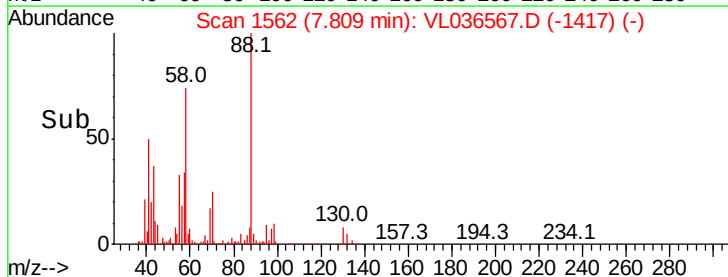
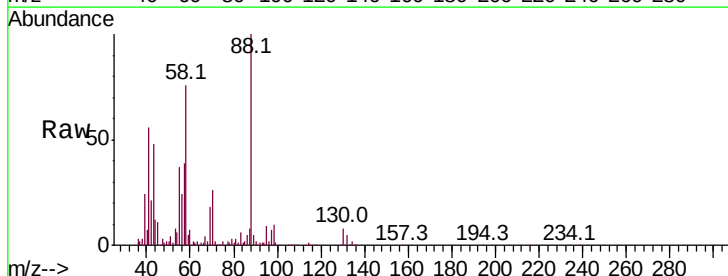
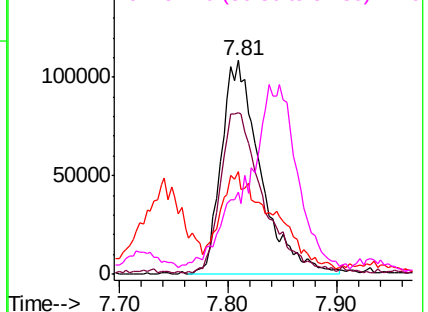
Abundance

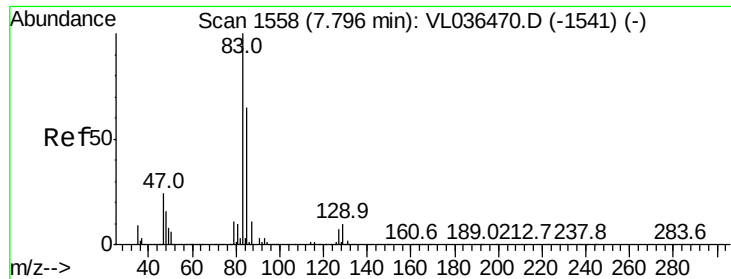
Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#42

Bromodichloromethane

Concen: 0.312 ppbv m

RT: 7.76 min Scan# 1548

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

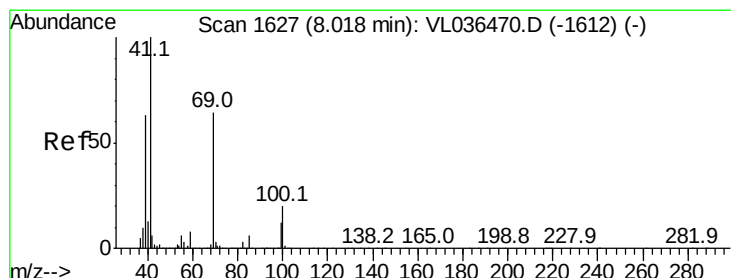
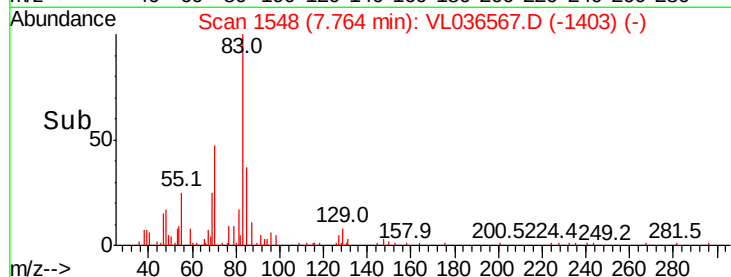
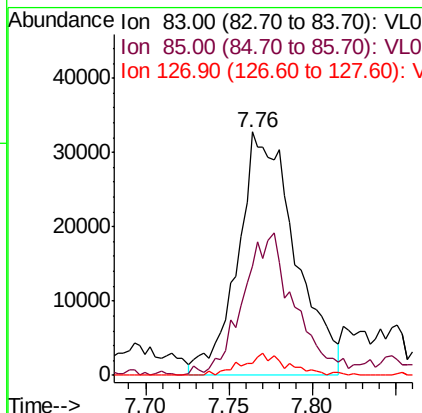
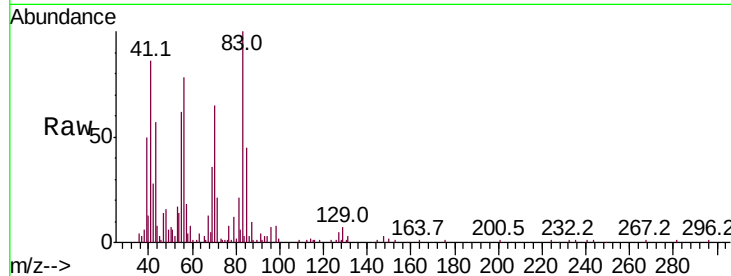
ClientSampleId :

MF-SG-01(2021)

Tot Ion:	83	Resp:	78376
Ion Ratio	Lower	Upper	
83	100		
85	44.6	51.8	77.6#
127	4.9	5.8	8.8#

Manual Integrations
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#43

Methyl Methacrylate

Concen: 0.619 ppbv m

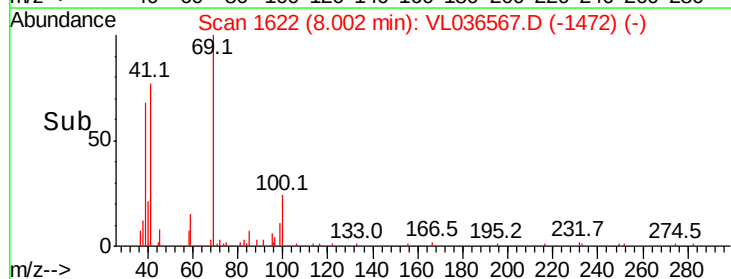
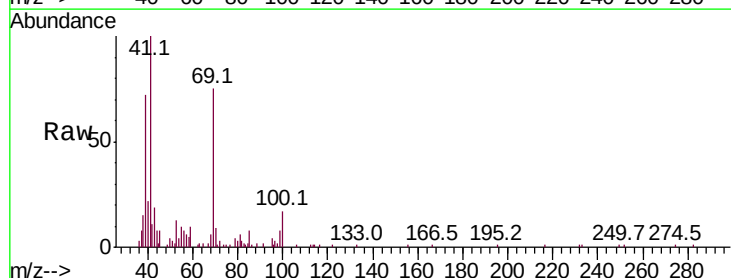
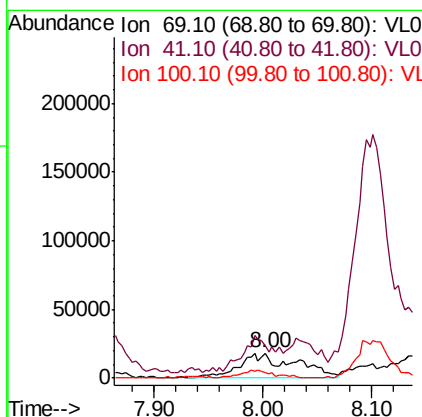
RT: 8.00 min Scan# 1622

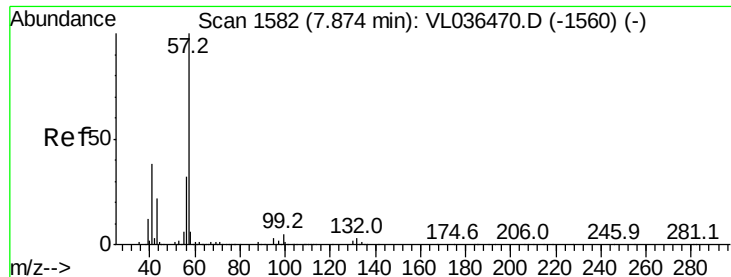
Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Tgt Ion:	69	Resp:	65334
Ion Ratio	Lower	Upper	
69	100		
41	68.5	126.8	190.2#
100	19.5	24.9	37.3#





#44

2,2,4-Trimethylpentane

Concen: 0.475 ppbv m

RT: 7.84 min Scan# 1571

Delta R.T. -0.04 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

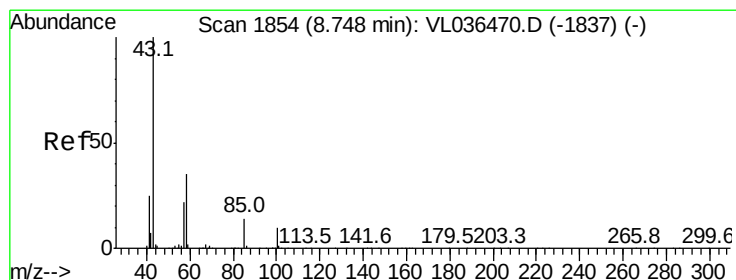
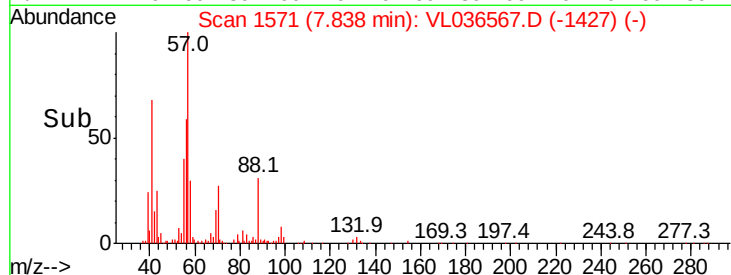
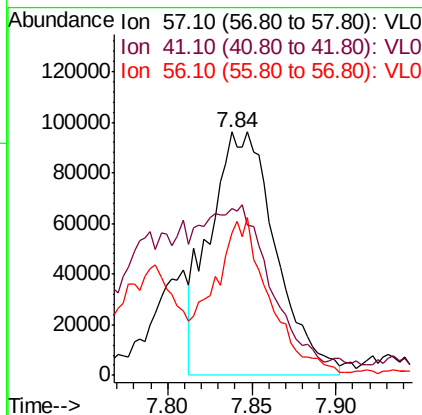
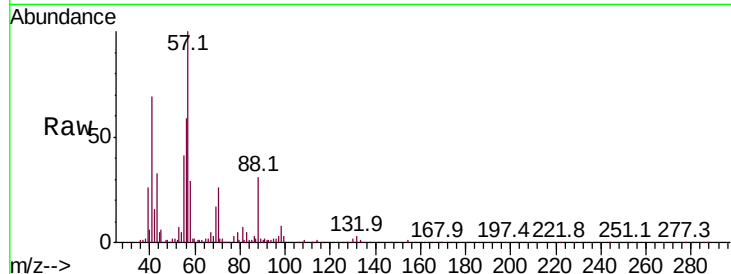
ClientSampleId :

MF-SG-01(2021)

Tot Ion:	57	Resp:	262363
Ion	Ratio	Lower	Upper
57	100		
41	125.1	28.8	43.2#
56	52.2	26.1	39.1#

Manual Integrations
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4/1/2021 10:58:04 AM



#50

4-Methyl-2-Pentanone

Concen: 0.451 ppbv

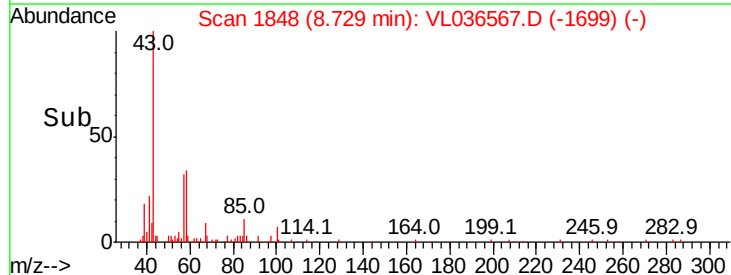
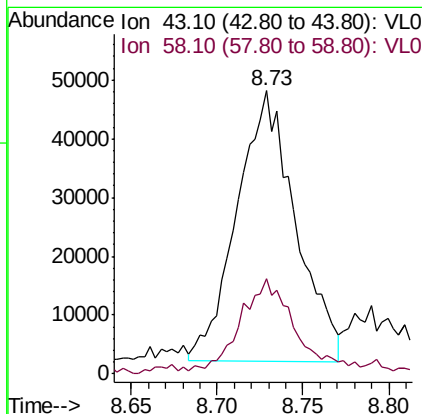
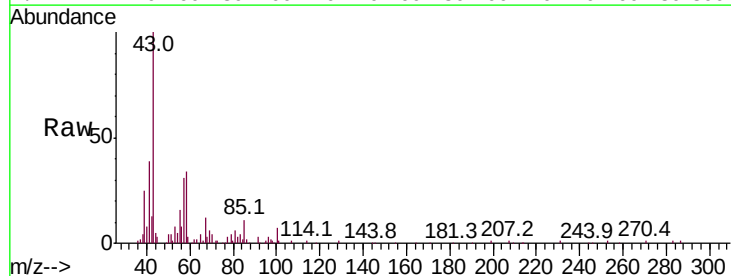
RT: 8.73 min Scan# 1848

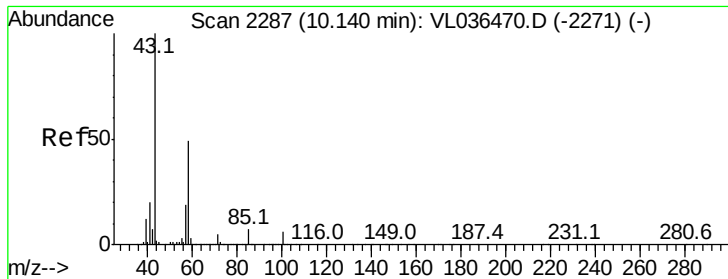
Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Tgt Ion:	43	Resp:	108541
Ion	Ratio	Lower	Upper
43	100		
58	32.3	28.2	42.2





#51

2-Hexanone

Concen: 1.796 ppbv m

RT: 10.11 min Scan# 2279

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

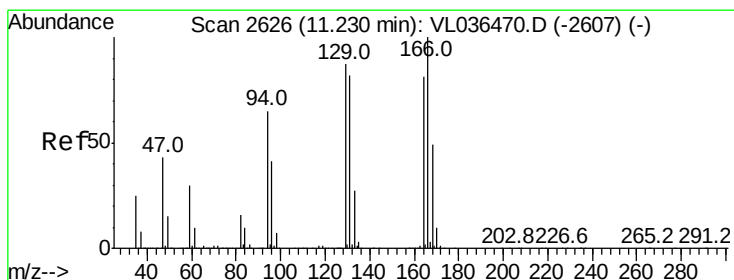
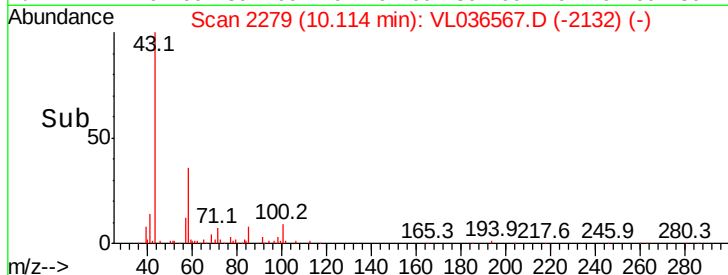
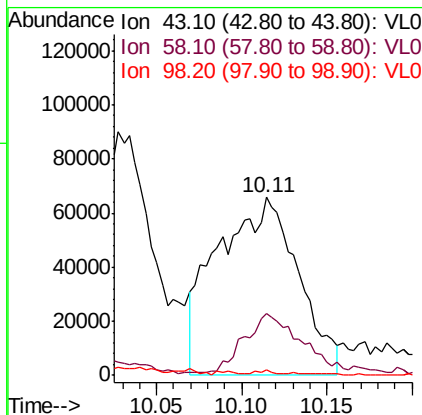
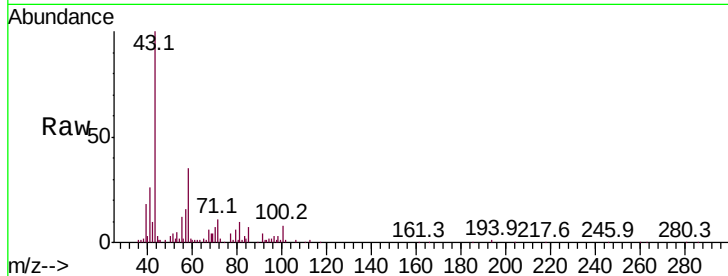
ClientSampleId :

MF-SG-01(2021)

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	37.7	56.5#
98	1.2	0.2	0.2#

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#52

Tetrachloroethene

Concen: 0.256 ppbv m

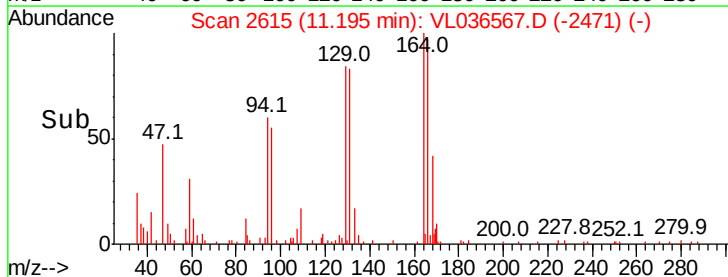
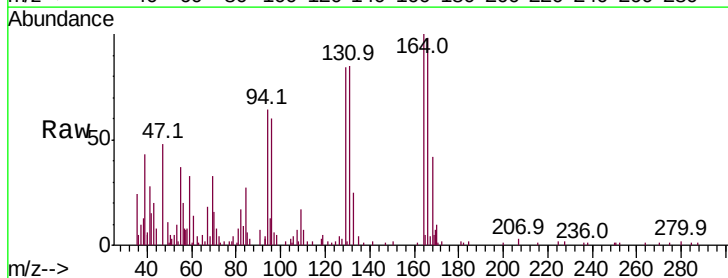
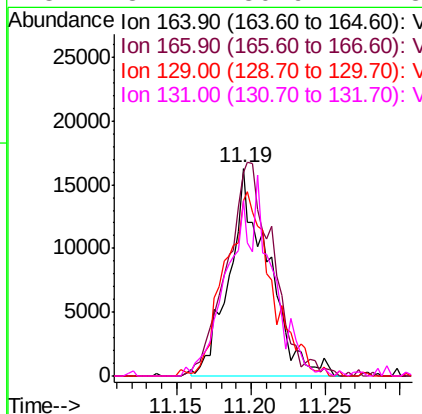
RT: 11.19 min Scan# 2615

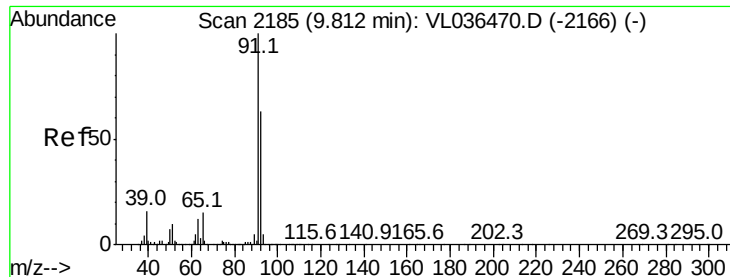
Delta R.T. -0.04 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	98.1	98.3	147.5#
129	84.4	85.8	128.8#
131	84.7	80.9	121.3





#53

Toluene

Concen: 8.505 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-01(2021)

Tot Ion: 91 Resp: 2845308

Ion Ratio Lower Upper

91 100

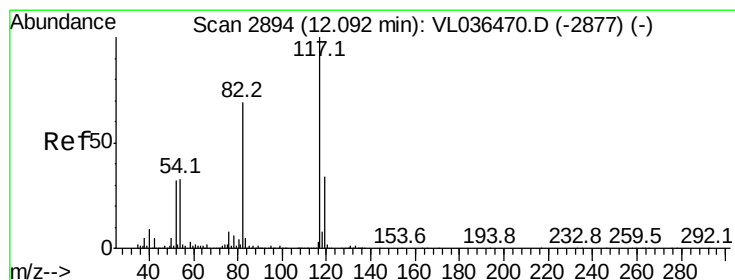
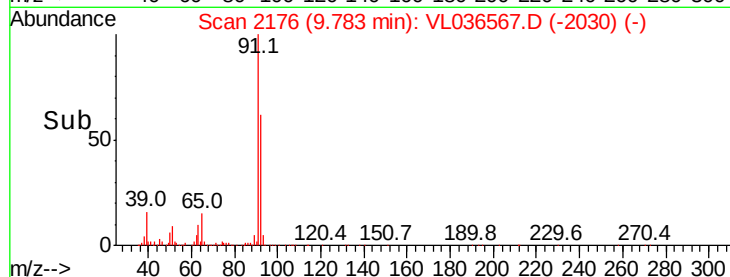
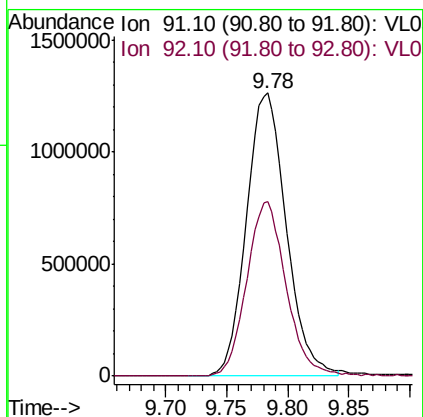
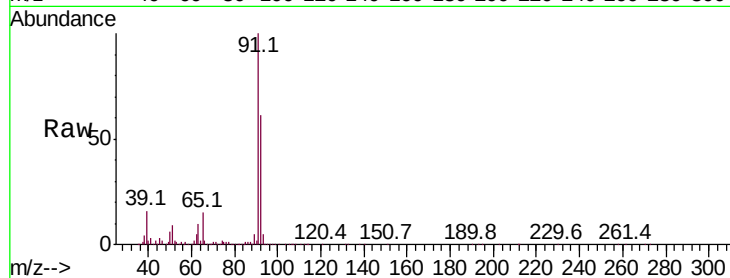
92 61.6 48.8 73.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

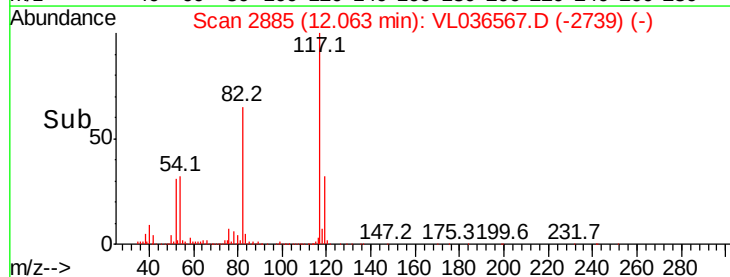
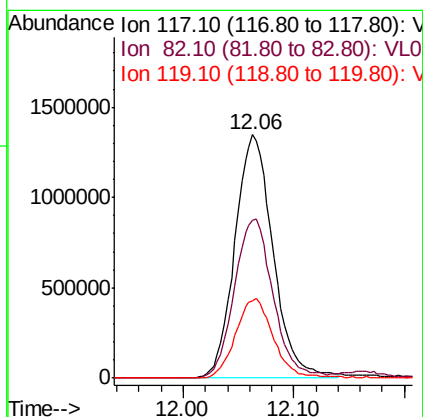
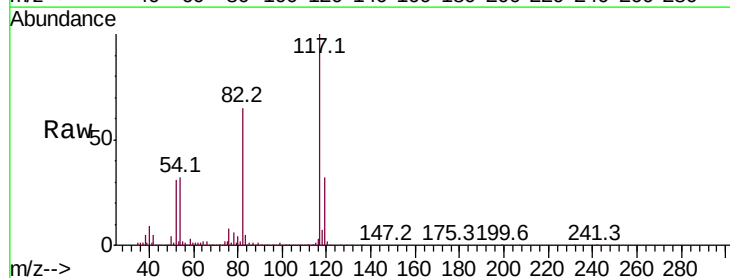
Tgt Ion: 117 Resp: 3229756

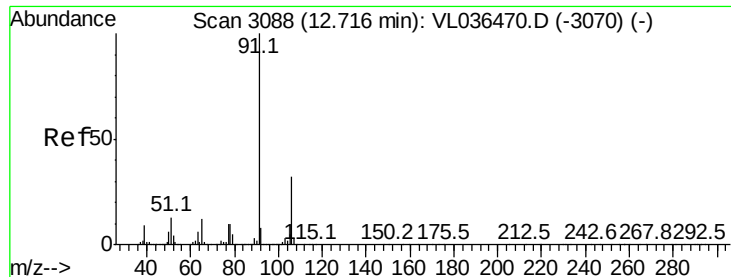
Ion Ratio Lower Upper

117 100

82 66.6 57.4 86.0

119 33.0 47.4 71.0#





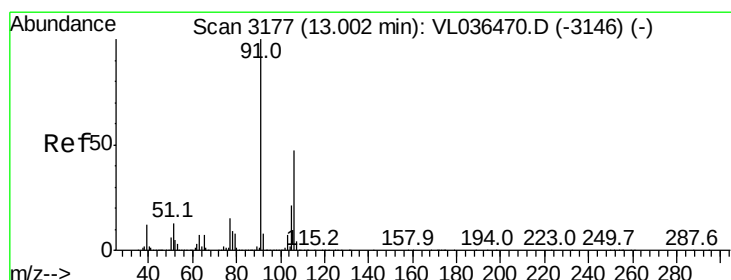
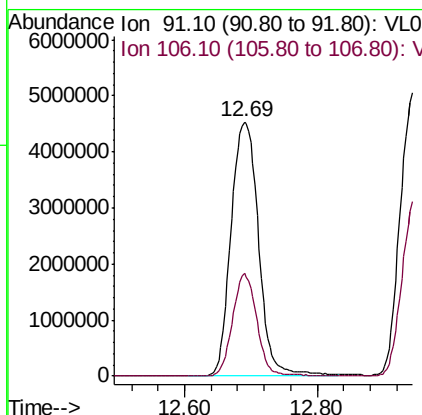
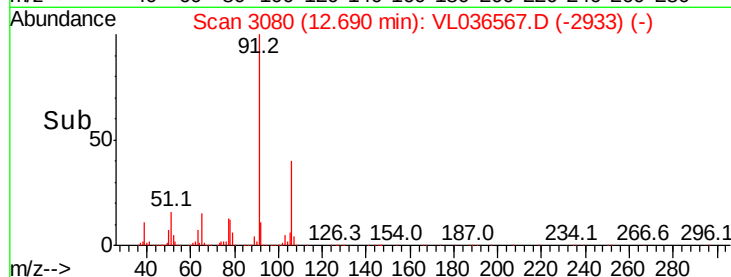
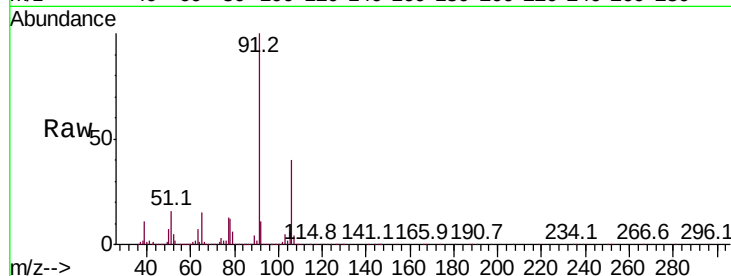
#58
Ethyl Benzene
Concen: 27.904 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.03 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-01(2021)

Tot Ion: 91 Resp:13111701
Ion Ratio Lower Upper
91 100
106 40.3 25.3 37.9#

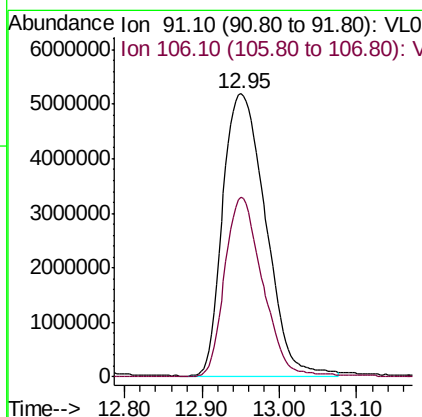
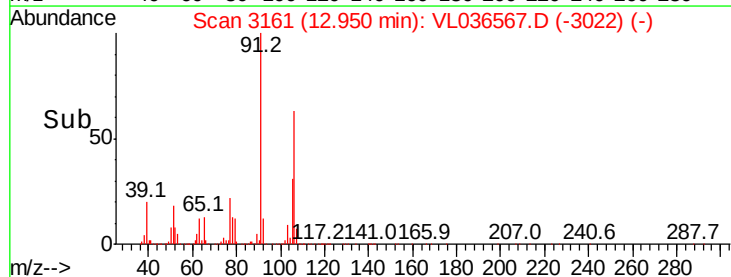
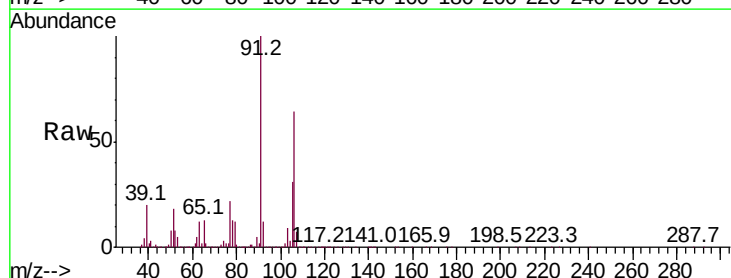
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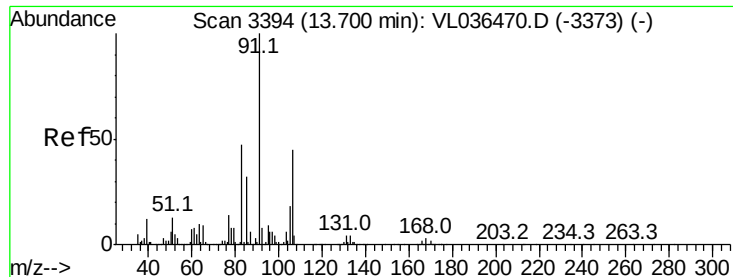
MMDadoda
4/1/2021 10:58:04 AM



#59
m/p-Xylene
Concen: 48.701 ppbv
RT: 12.95 min Scan# 3161
Delta R.T. -0.05 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

Tgt Ion: 91 Resp:19959680
Ion Ratio Lower Upper
91 100
106 56.8 35.3 52.9#





#60

o-Xylene

Concen: 21.150 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-01(2021)

Tot Ion: 91 Resp: 8381368

Ion Ratio Lower Upper

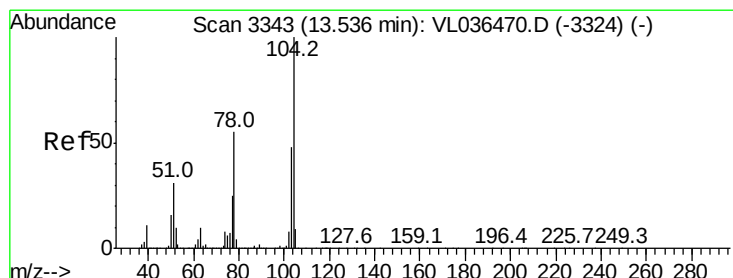
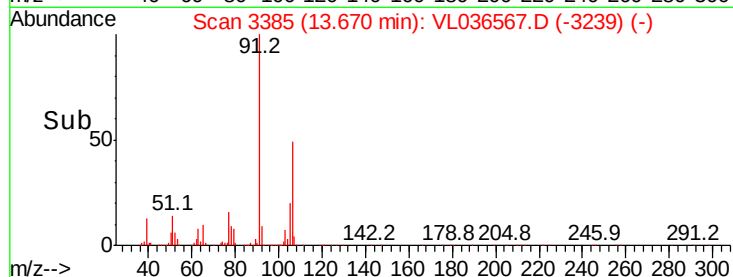
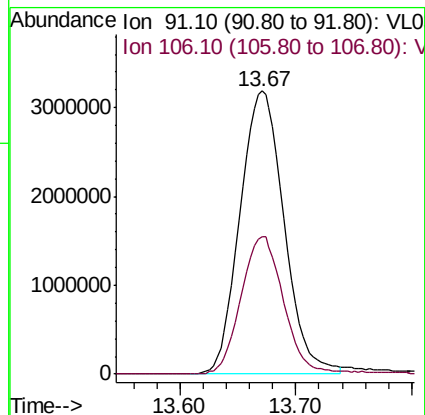
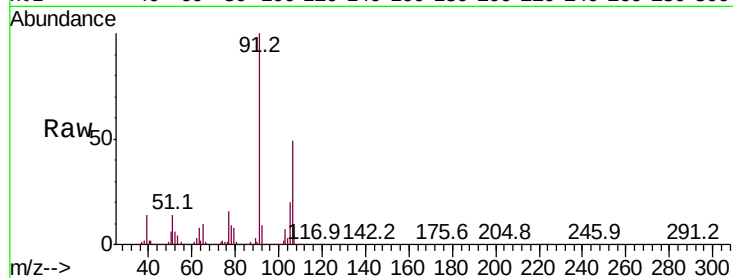
91 100

106 48.0 22.3 66.9

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#61

Styrene

Concen: 0.118 ppbv m

RT: 13.51 min Scan# 3334

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

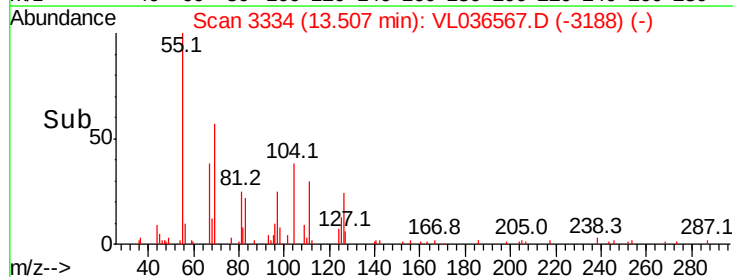
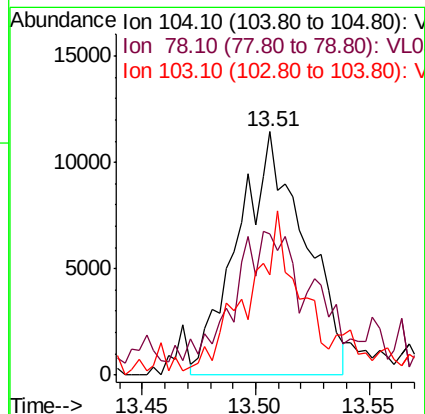
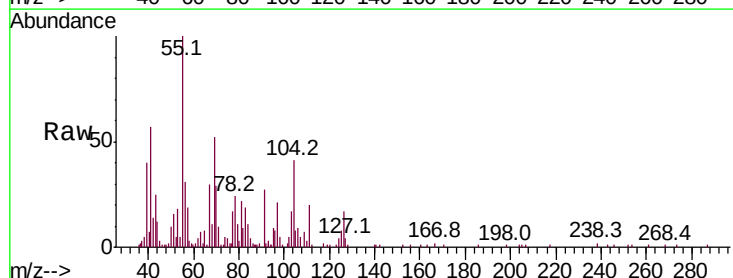
Tgt Ion: 104 Resp: 23529

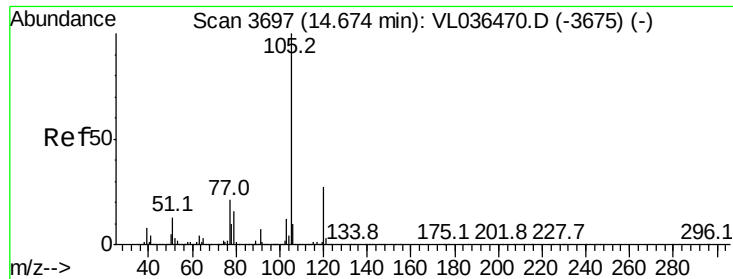
Ion Ratio Lower Upper

104 100

78 0.0 43.8 65.8#

103 0.0 38.3 57.5#





#62

Isopropylbenzene

Concen: 0.327 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-01(2021)

Tot Ion:105 Resp: 174515

Ion Ratio Lower Upper

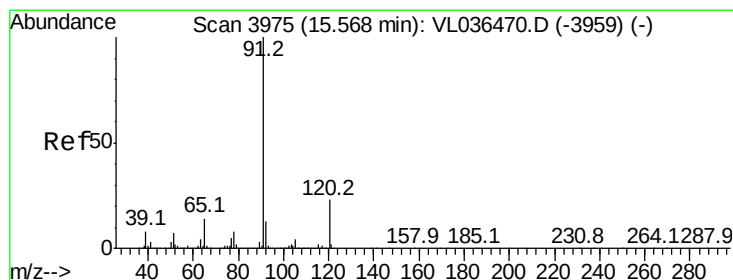
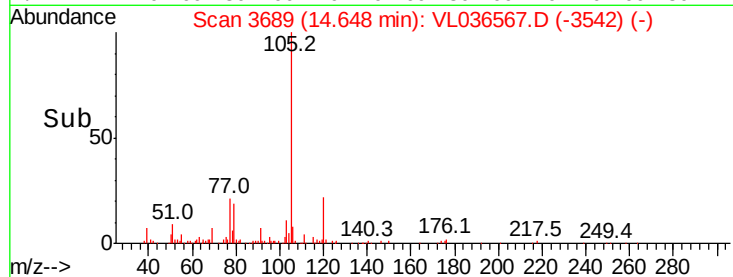
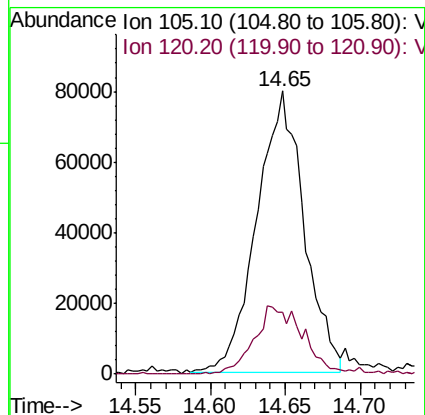
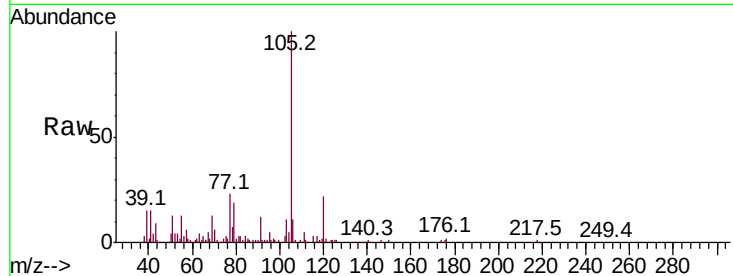
105 100

120 24.8 20.6 31.0

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#64

n-propylbenzene

Concen: 0.425 ppbv m

RT: 15.54 min Scan# 3966

Delta R.T. -0.03 min

Lab File: VL036567.D

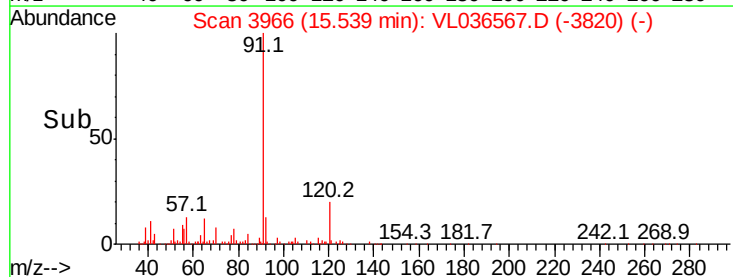
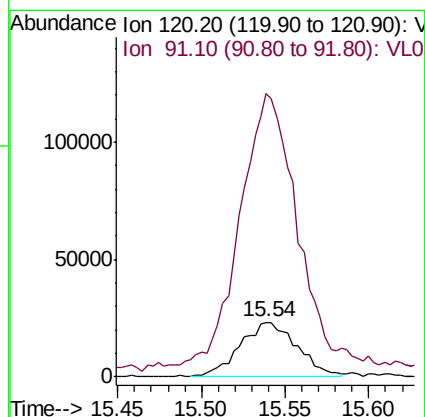
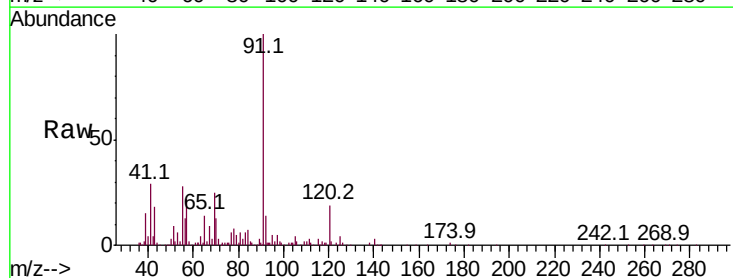
Acq: 30 Mar 2021 13:04

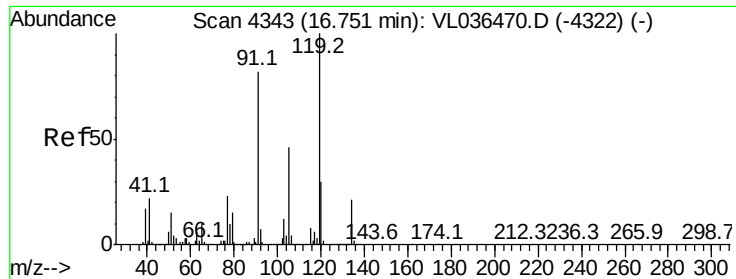
Tgt Ion:120 Resp: 55450

Ion Ratio Lower Upper

120 100

91 0.0 377.4 566.2#





#65

tert-Butylbenzene

Concen: 0.256 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.01 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

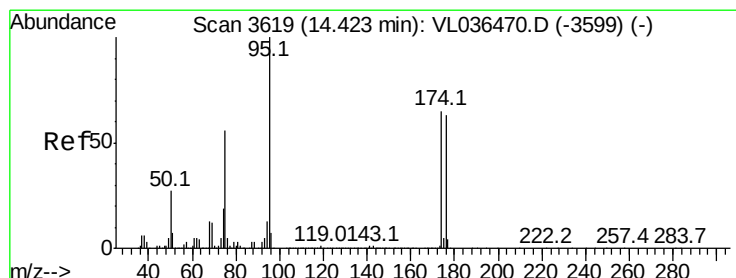
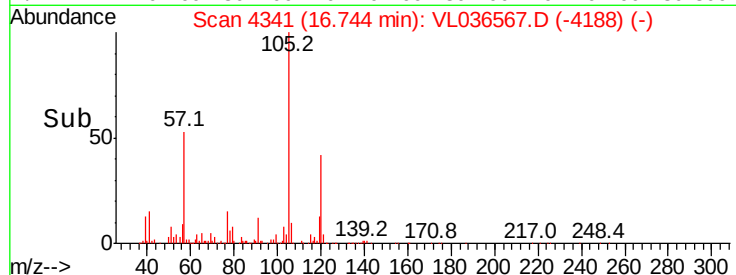
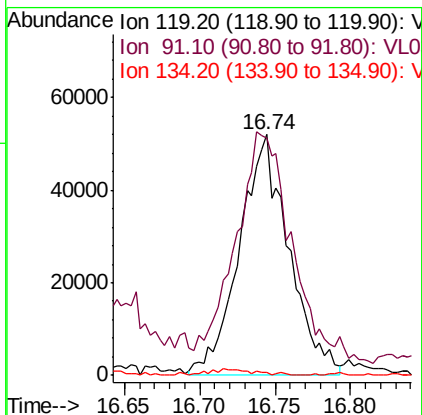
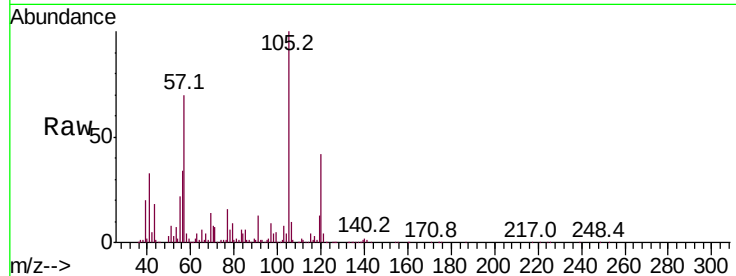
ClientSampleId :

MF-SG-01(2021)

Tot Ion:	119	Resp:	118695
Ion Ratio	Lower	Upper	
119	100		
91	111.6	67.5	101.3#
134	2.4	15.8	23.8#

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.043 ppbv

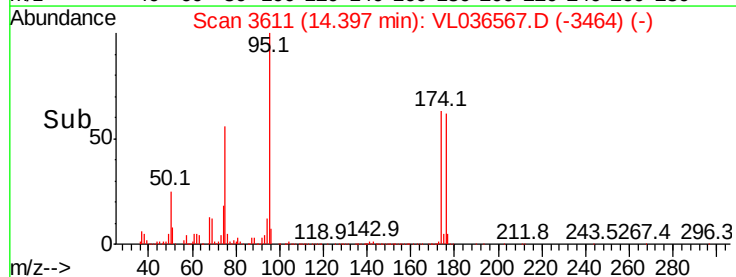
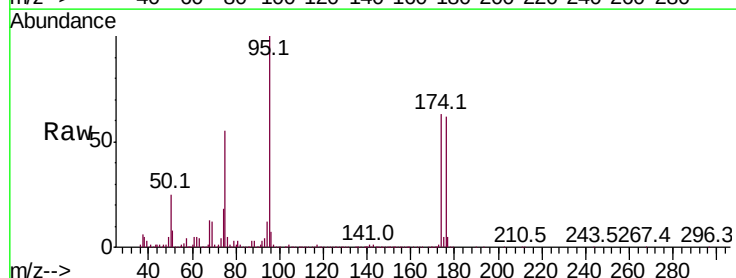
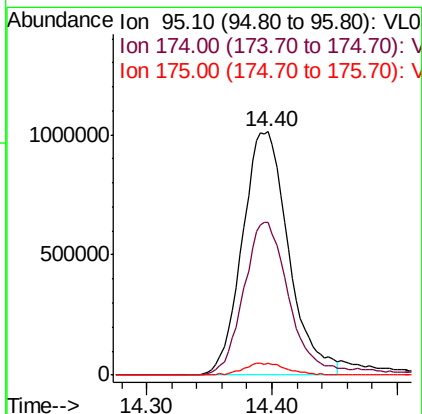
RT: 14.40 min Scan# 3611

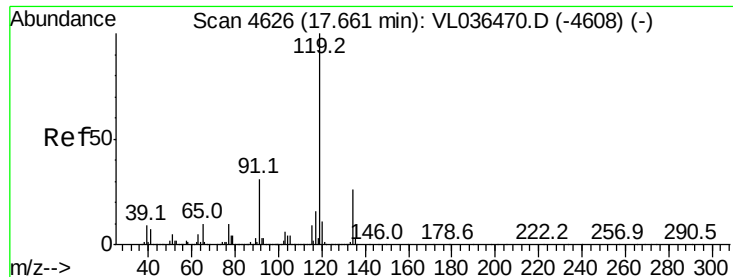
Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Tgt Ion:	95	Resp:	2585310
Ion Ratio	Lower	Upper	
95	100		
174	65.0	51.0	76.6
175	4.9	3.9	5.9





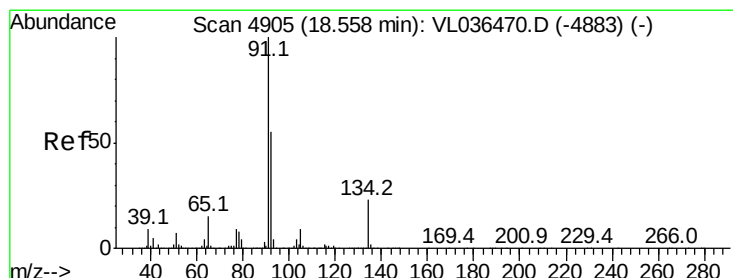
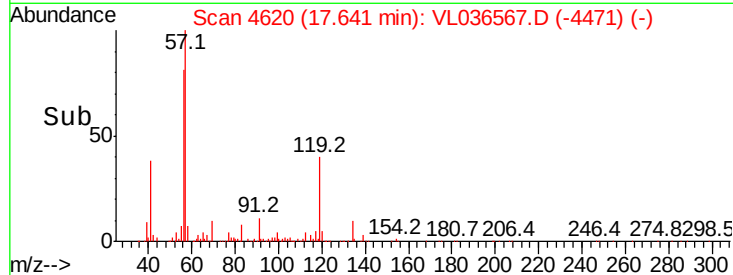
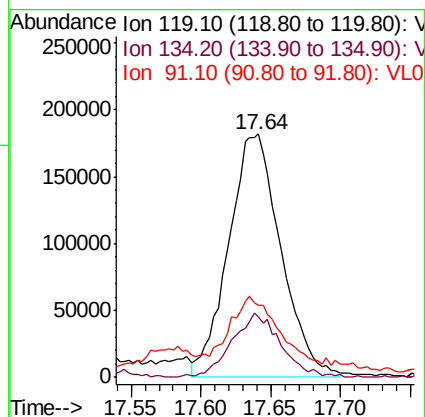
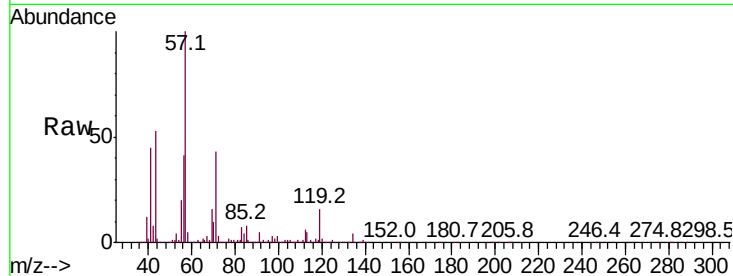
#69
 p-Isopropyltoluene
 Concen: 0.927 ppbv m
 RT: 17.64 min Scan# 4620
 Delta R.T. -0.02 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-01(2021)

Tot Ion	Ratio	Resp	Lower	Upper
119	100	472997		
134	24.7	20.6	30.8	
91	35.5	25.0	37.6	

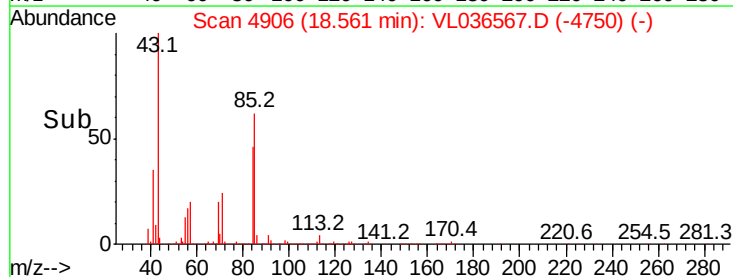
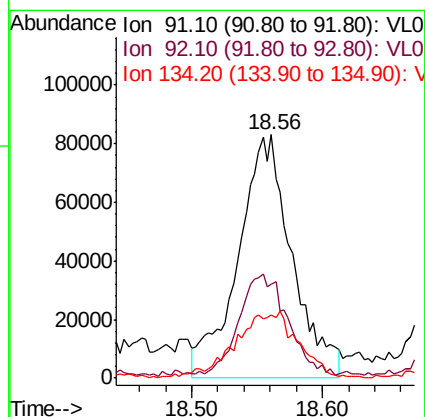
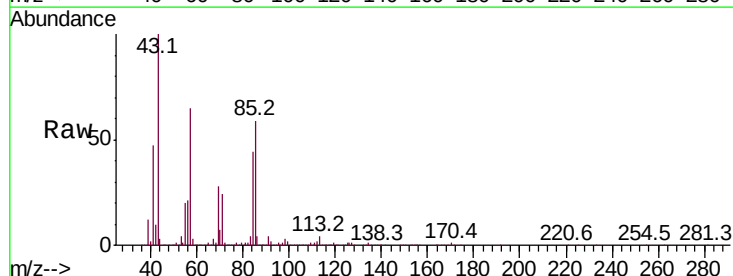
Manual Integrations
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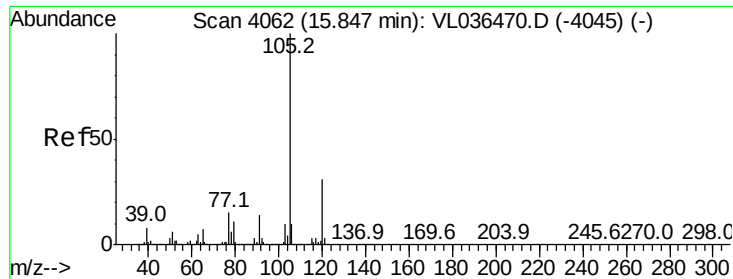
MMDadoda
 4/1/2021 10:58:04 AM



#70
 n-Butylbenzene
 Concen: 0.450 ppbv m
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.00 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	238124		
92	0.0	43.8	65.8#	
134	0.0	18.0	27.0#	





#72

4-Ethyltoluene

Concen: 0.792 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

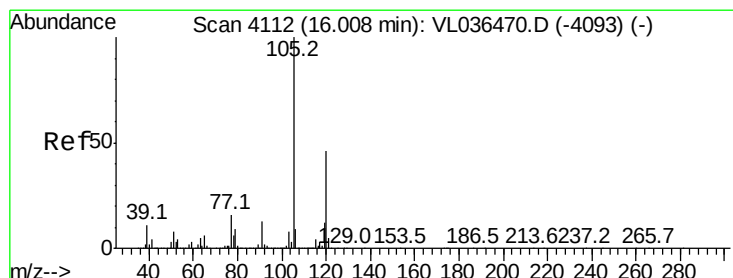
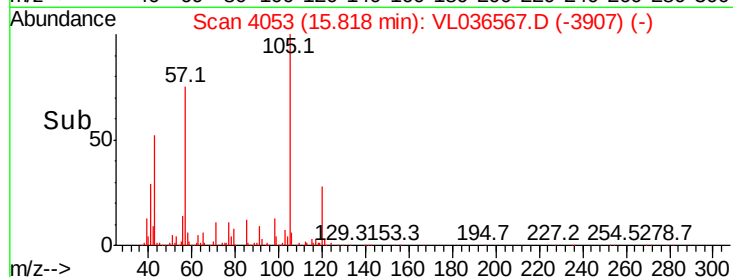
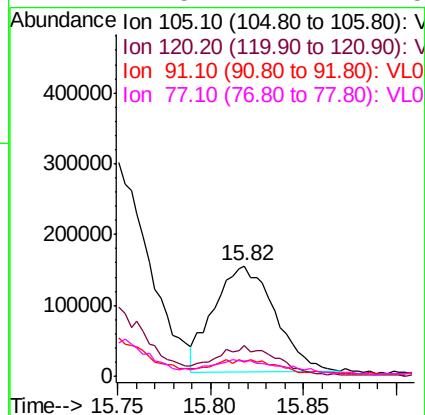
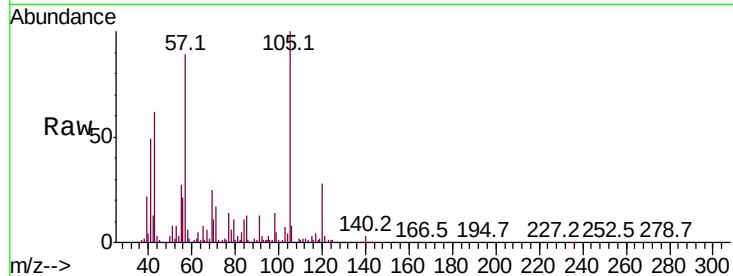
ClientSampleId :

MF-SG-01(2021)

Tot Ion:	105	Resp:	343934
Ion Ratio	Lower	Upper	
105	100		
120	29.4	24.0	36.0
91	14.6	11.0	16.4
77	17.5	11.7	17.5#

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#73

1,3,5-Trimethylbenzene

Concen: 0.890 ppbv m

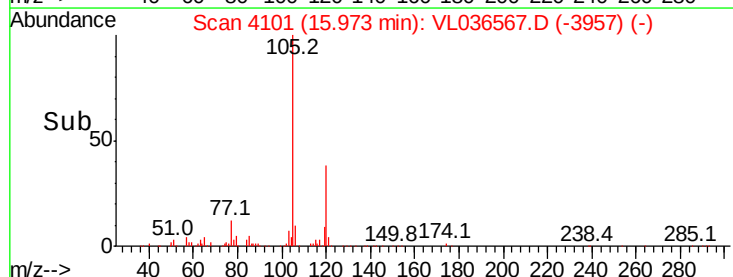
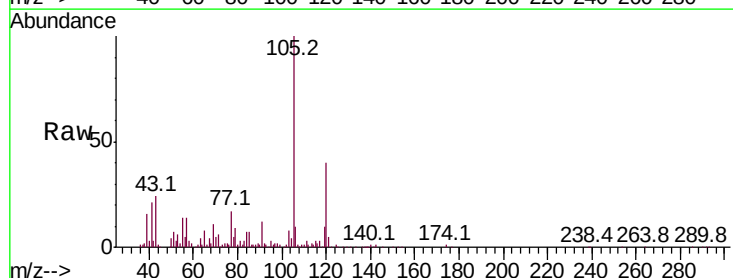
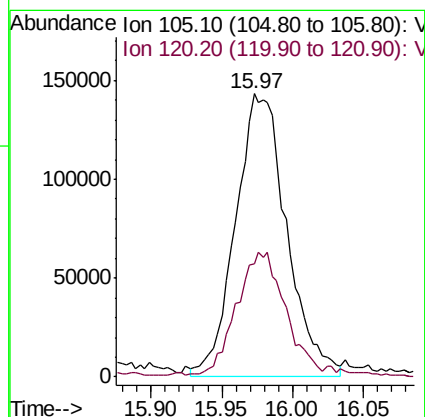
RT: 15.97 min Scan# 4101

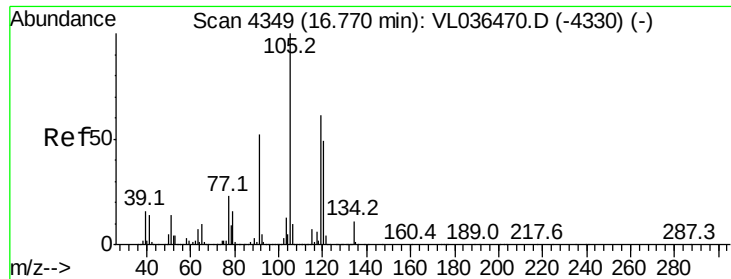
Delta R.T. -0.04 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Tgt Ion:	105	Resp:	360676
Ion Ratio	Lower	Upper	
105	100		
120	40.0	36.6	54.8





#74

1,2,4-Trimethylbenzene

Concen: 2.225 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

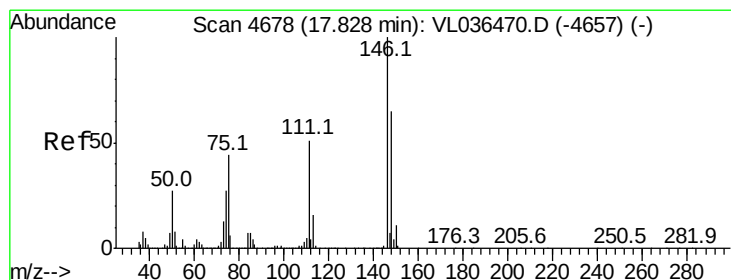
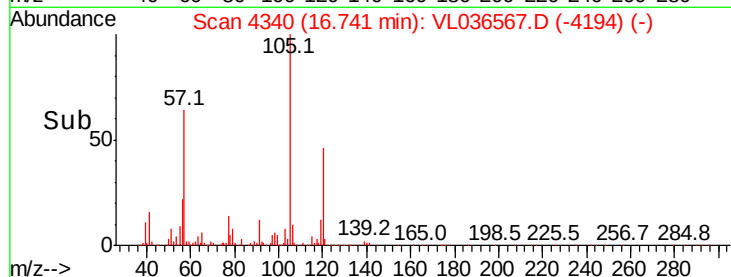
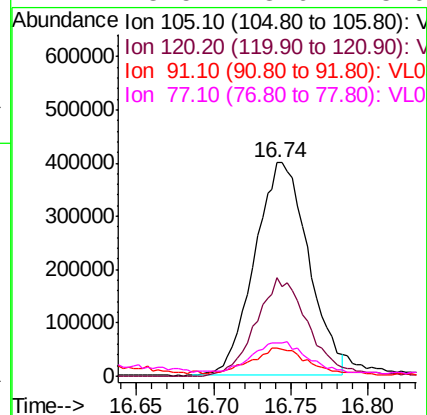
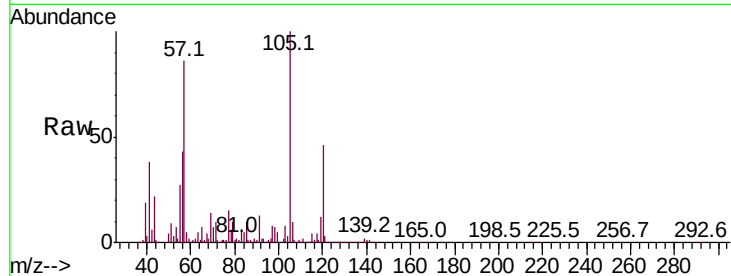
ClientSampleId :

MF-SG-01(2021)

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.0	39.2	58.8
91	11.0	42.6	64.0#
77	13.5	18.6	28.0#

Manual Integrations
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4/1/2021 10:58:04 AM



#77

1,2-Dichlorobenzene

Concen: 0.282 ppbv m

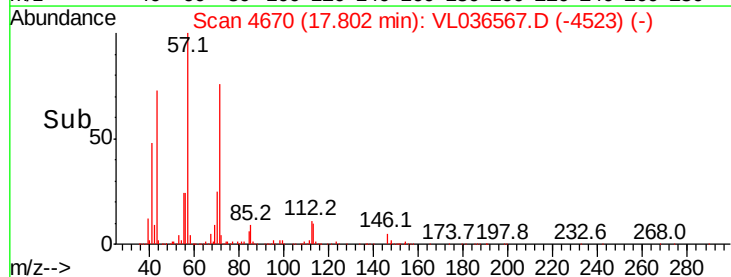
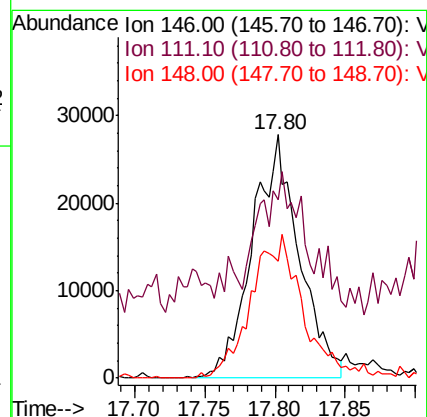
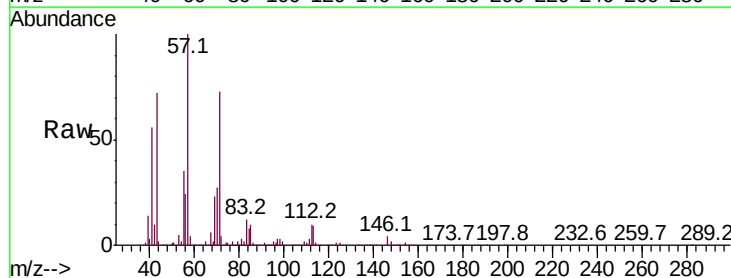
RT: 17.80 min Scan# 4670

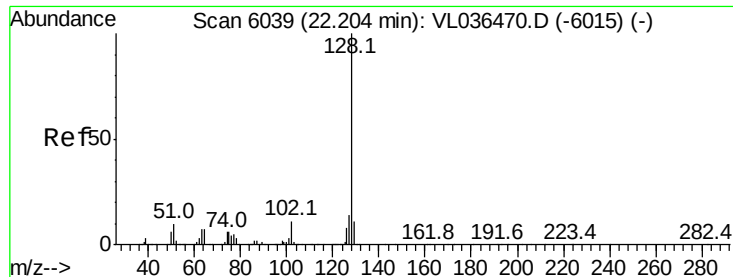
Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	104.5	25.5	76.5#
148	66.2	32.9	98.6





#79

Naphthalene

Concen: 0.424 ppbv m

RT: 22.18 min Scan# 6032

Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-01(2021)

Tot Ion:	128	Resp:	107378
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.9	16.3
129	8.3	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
4/1/2021 10:58:04 AM

