

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035775.D
 Acq On : 12 Oct 2020 23:37
 Operator : SY/AP
 Sample : L4214-13 LOD 0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:12:03 PM

Quant Time: Oct 13 02:20:04 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 2

QLast Update : Wed Sep 23 07:38:05 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1019209	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	3939058	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	3876919	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2839006	9.77	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	32658	0.195 ppbv	97
3) Chlorodifluoromethane	2.98	51	14475	0.132 ppbv	94
4) Chloromethane	3.14	50	8346	0.142 ppbv	98
5) Vinyl Chloride	3.26	62	8460	0.121 ppbv #	85
6) Bromomethane	3.47	94	7673	0.130 ppbv	91
7) Chloroethane	3.55	64	3164	0.124 ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	27381	0.135 ppbv	100
9) Propene	3.01	41	7472	0.188 ppbv	93
10) Heptane	8.13	43	7871	0.071 ppbv	92
11) Trichlorofluoromethane	3.95	101	31065	0.130 ppbv	84
12) 1,1,2-Trichlorotrifluoroet	4.48	101	23204	0.130 ppbv	100
14) Bromoethene	3.74	108	9093	0.121 ppbv	96
15) Acetone	3.87	43	27278	0.249 ppbv #	63
16) 1,3-Butadiene	3.32	39	5274m	0.131 ppbv	
17) tert-Butyl alcohol	4.32	59	17723m	0.148 ppbv	
18) 1,1-Dichloroethene	4.29	96	9432	0.121 ppbv #	90
19) Isopropyl Alcohol	3.99	45	10000m	0.168 ppbv	
20) Methylene Chloride	4.34	84	21971	0.273 ppbv	94
21) Allvl Chloride	4.41	41	6259	0.118 ppbv	90
22) trans-1,2-Dichloroethene	4.89	96	10526	0.128 ppbv	87
23) Vinyl Acetate	5.08	43	16359	0.122 ppbv #	91
24) 1,1-Dichloroethane	5.01	63	18655	0.128 ppbv	96
25) Ethyl Acetate	5.69	43	22734	0.115 ppbv	99
26) Hexane	5.69	57	12282	0.114 ppbv	91
27) Carbon Disulfide	4.55	76	17170	0.107 ppbv #	79
28) Methyl tert-Butyl Ether	5.05	73	17330	0.101 ppbv	100
29) Chloroform	5.75	83	29311	0.133 ppbv	96
30) Cyclohexane	7.16	84	19408m	0.182 ppbv	
31) cis-1,2-Dichloroethene	5.55	61	11539	0.111 ppbv #	82
32) 1,1,1-Trichloroethane	6.51	97	22956	0.119 ppbv	97
34) 2-Butanone	5.26	43	14737	0.113 ppbv #	88
35) Carbon Tetrachloride	7.02	117	22275	0.108 ppbv #	90
36) Benzene	6.89	78	24632	0.096 ppbv	99
37) 1,2-Dichloroethane	6.31	62	16755m	0.125 ppbv	
38) Trichloroethene	7.84	130	14020	0.109 ppbv	89
39) 1,2-Dichloropropane	7.62	63	9936	0.107 ppbv	91
40) 1,4-Dioxane	7.91	88	4124m	0.097 ppbv	
41) Tetrahydrofuran	6.09	42	4613m	0.070 ppbv	
42) Bromodichloromethane	7.79	83	21912	0.102 ppbv	93
43) Methyl Methacrylate	8.03	69	7158m	0.070 ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	28689m	0.078 ppbv	

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.29	75	7020m	0.068	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	9712m	0.076	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	15490	0.116	ppbv	96
48) Dibromochloromethane	10.31	129	16162	0.080	ppbv	99
49) Bromoform	13.06	173	11952m	0.069	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	14204	0.075	ppbv	94
51) 2-Hexanone	10.18	43	11039m	0.072	ppbv	
52) Tetrachloroethene	11.23	164	13493m	0.109	ppbv	
53) Toluene	9.81	91	22806m	0.075	ppbv	
54) 1,2-Dibromoethane	10.62	107	21570m	0.108	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.13	131	17511m	0.108	ppbv	
57) Chlorobenzene	12.16	112	38671	0.132	ppbv #	93
58) Ethyl Benzene	12.72	91	30521m	0.078	ppbv	
59) m/p-Xylene	13.00	91	50381m	0.148	ppbv	
60) o-Xylene	13.70	91	27601m	0.080	ppbv	
61) Styrene	13.54	104	13288	0.056	ppbv	98
62) Isopropylbenzene	14.69	105	43435	0.081	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.69	83	32017	0.114	ppbv	98
64) n-propylbenzene	15.58	120	9470m	0.061	ppbv	
65) tert-Butylbenzene	16.77	119	32379m	0.067	ppbv	
66) Benzyl Chloride	17.01	91	12933m	0.088	ppbv	
67) sec-Butylbenzene	17.32	105	47015m	0.070	ppbv	
69) p-Isopropyltoluene	17.67	119	30635	0.056	ppbv	95
70) n-Butylbenzene	18.58	91	35070	0.063	ppbv	93
71) 2-Chlorotoluene	15.47	91	30569m	0.079	ppbv	
72) 4-Ethyltoluene	15.86	105	25062	0.062	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.02	105	23481m	0.061	ppbv	
74) 1,2,4-Trimethylbenzene	16.78	105	27512	0.063	ppbv #	95
75) 1,3-Dichlorobenzene	17.01	146	39333	0.133	ppbv	96
76) 1,4-Dichlorobenzene	17.16	146	30673m	0.108	ppbv	
77) 1,2-Dichlorobenzene	17.84	146	29006m	0.104	ppbv	
78) Hexachloro-1,3-Butadiene	23.41	225	21660m	0.140	ppbv	
79) Naphthalene	22.25	128	27297m	0.066	ppbv	
80) Naphthalene,2-methyl-	25.02	142	2984	0.031	ppbv	94
81) 1,2,4-Trichlorobenzene	21.97	180	20180m	0.094	ppbv	

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

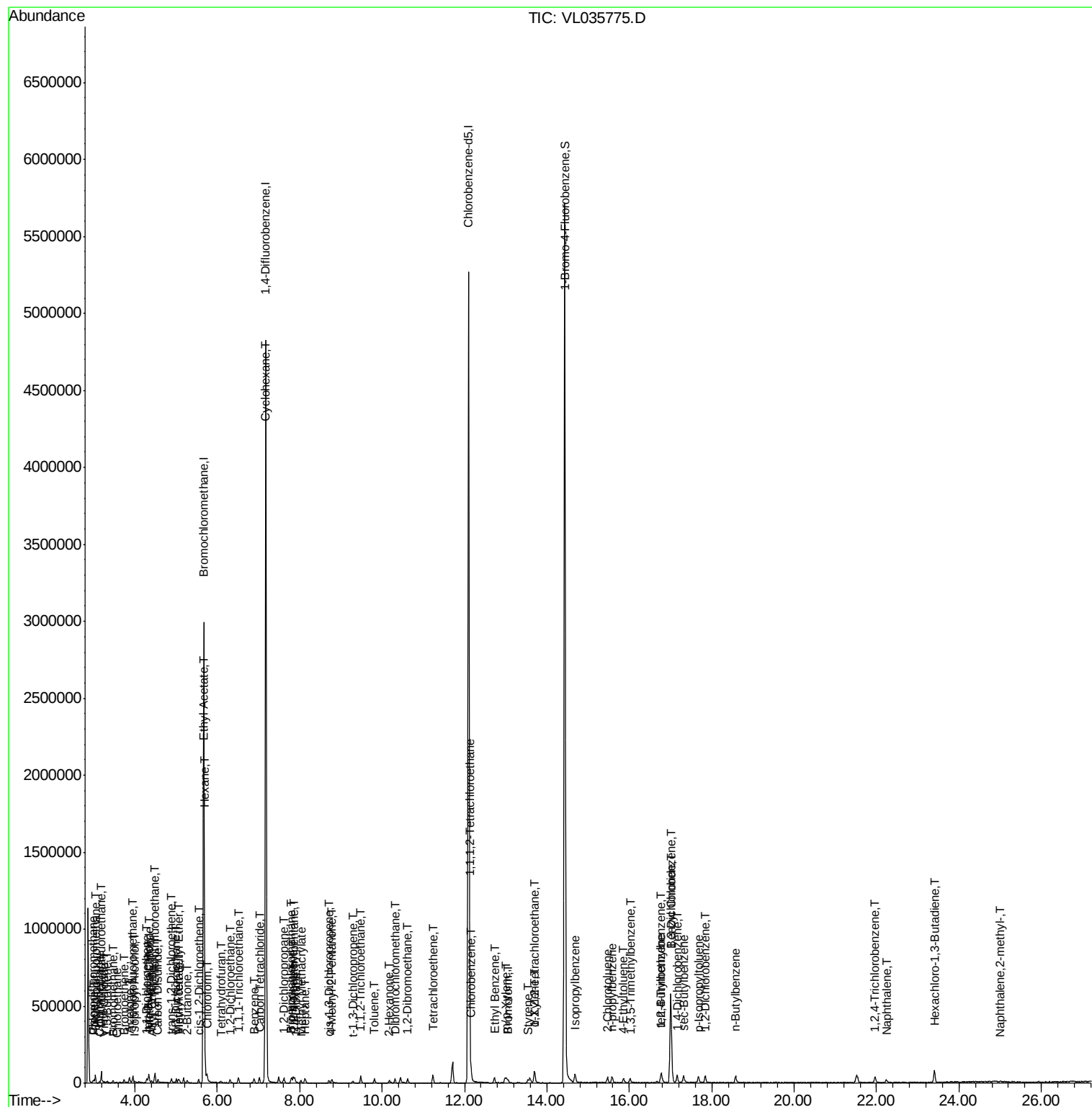
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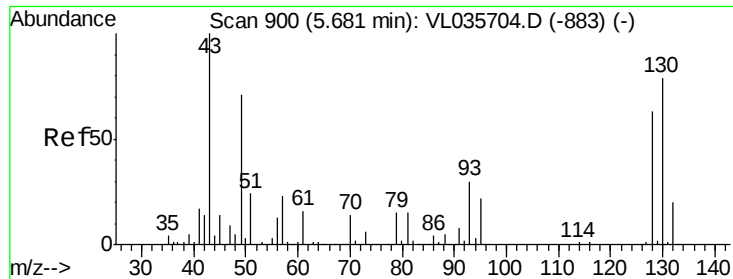
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.02 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2020

Tot Ion: 49 Resp: 1019209

Ion Ratio Lower Upper

49 100

128 86.3 43.1 129.4

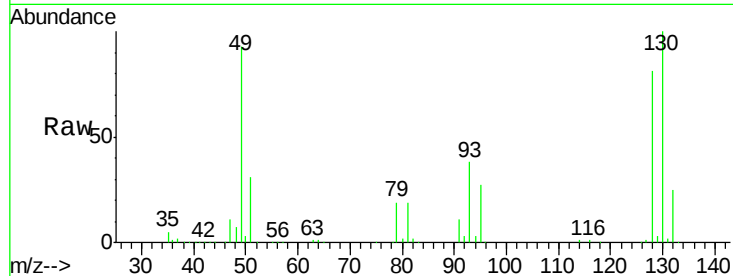
130 110.2 54.9 164.7

Manual Integrations

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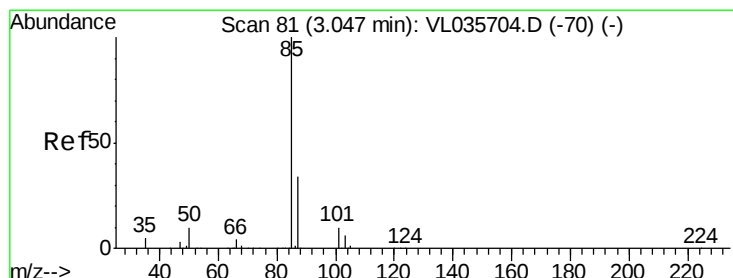
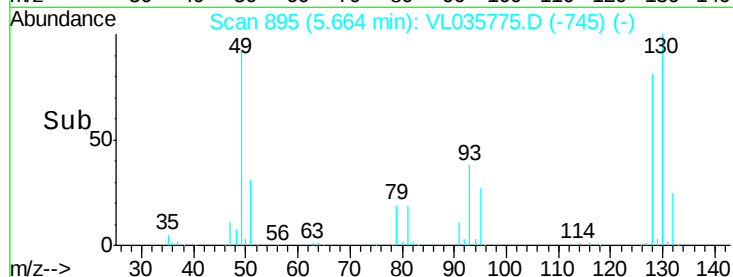
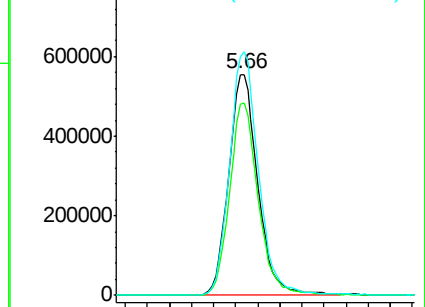
10/14/2020 2:12:03 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.195 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL035775.D

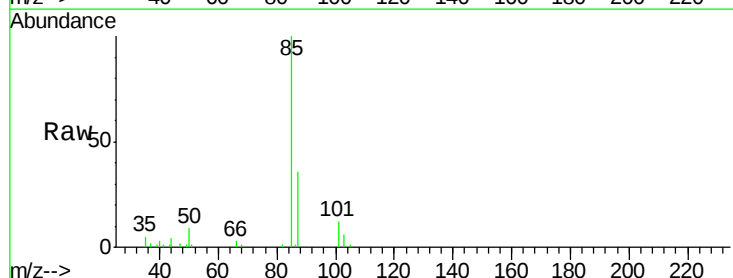
Acq: 12 Oct 2020 23:37

Tgt Ion: 85 Resp: 32658

Ion Ratio Lower Upper

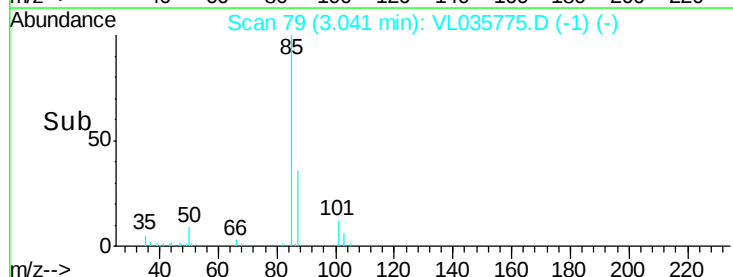
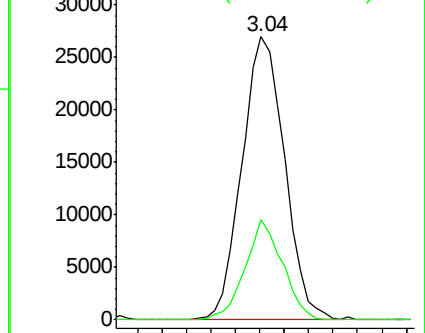
85 100

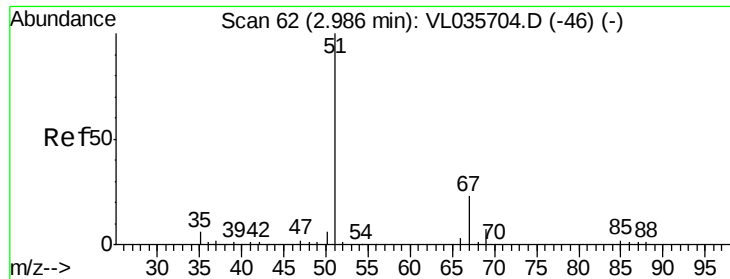
87 35.6 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.132 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2020

Tot Ion: 51 Resp: 14475

Ion Ratio Lower Upper

51 100

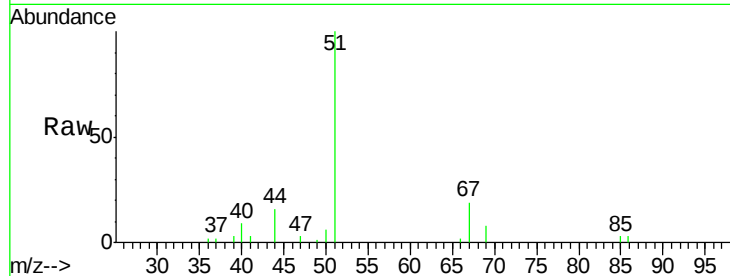
67 19.6 17.8 26.8

Manual Integrations

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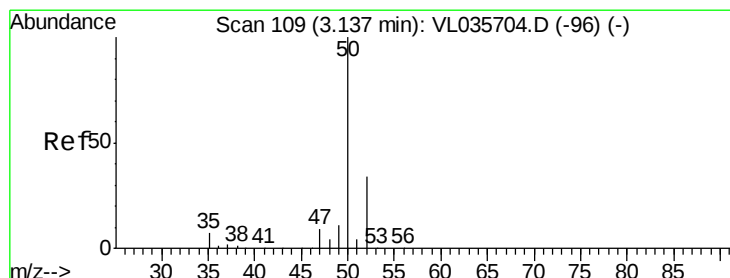
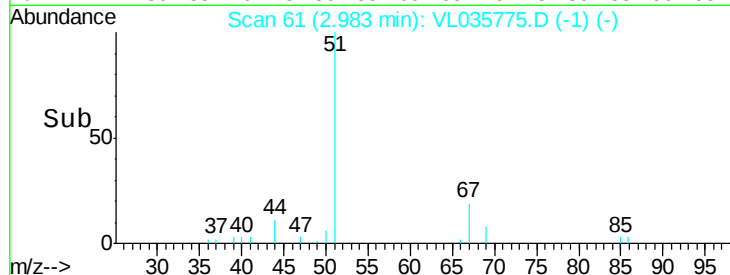
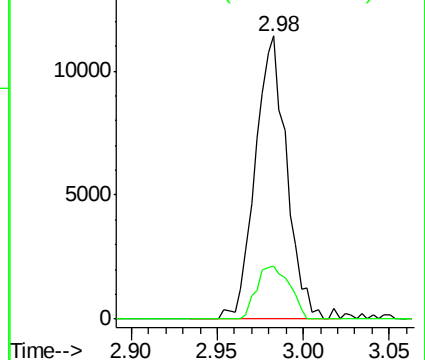
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.142 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL035775.D

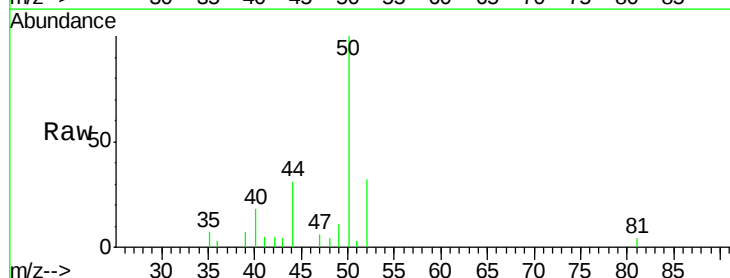
Acq: 12 Oct 2020 23:37

Tgt Ion: 50 Resp: 8346

Ion Ratio Lower Upper

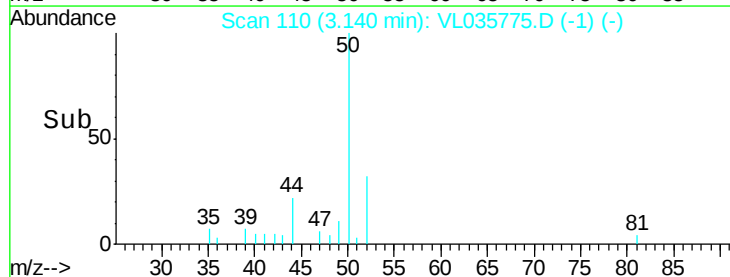
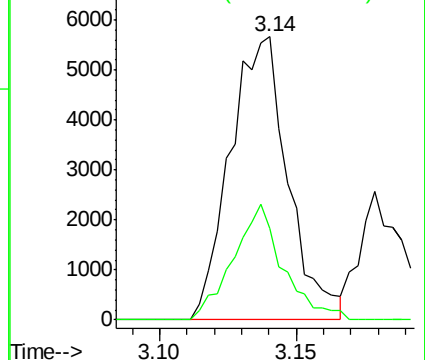
50 100

52 32.1 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.121 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2020

Tot Ion: 62 Resp: 8460

Ion Ratio Lower Upper

62 100

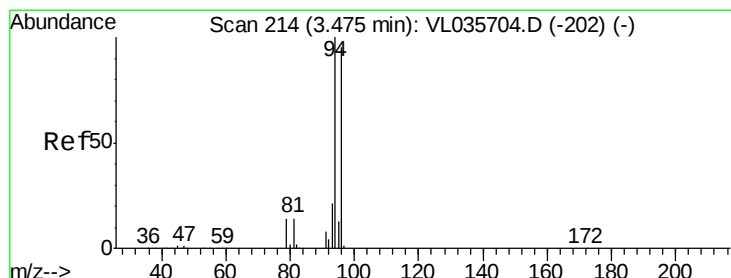
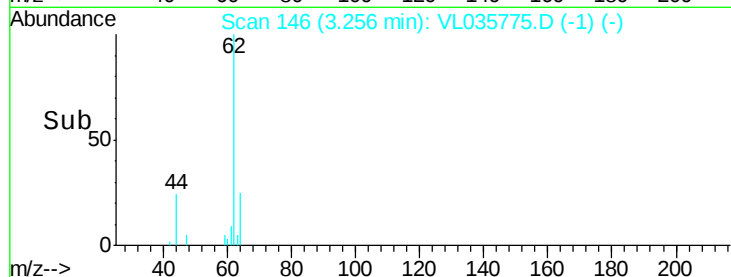
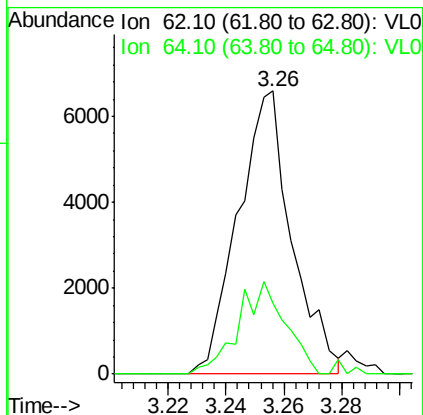
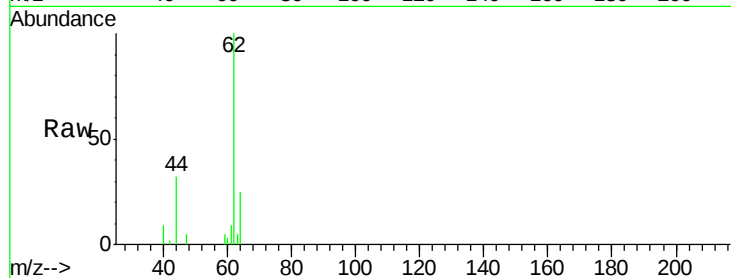
64 24.9 26.8 40.2#

Manual Integrations

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#6

Bromomethane

Concen: 0.130 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL035775.D

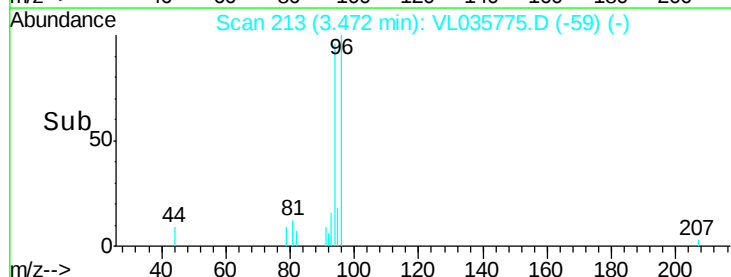
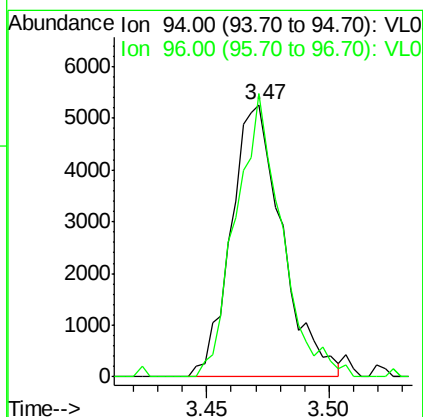
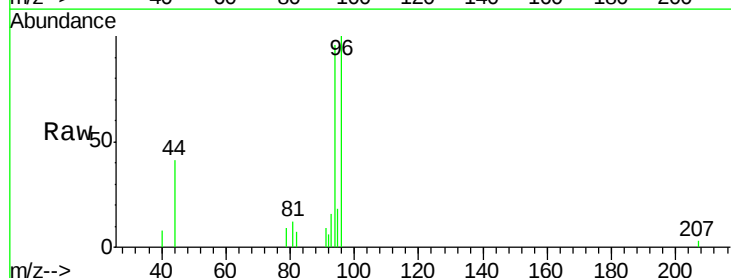
Acq: 12 Oct 2020 23:37

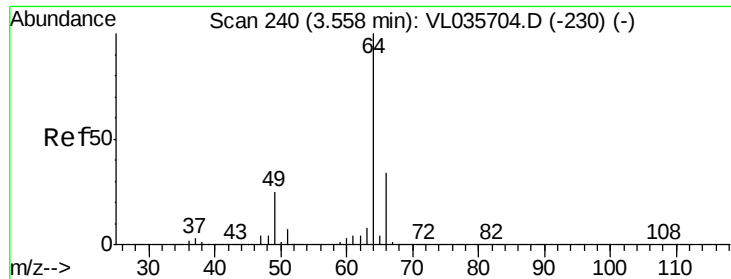
Tgt Ion: 94 Resp: 7673

Ion Ratio Lower Upper

94 100

96 103.9 76.3 114.5





#7

Chloroethane

Concen: 0.124 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.01 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2020

Tot Ion: 64 Resp: 3164

Ion Ratio Lower Upper

64 100

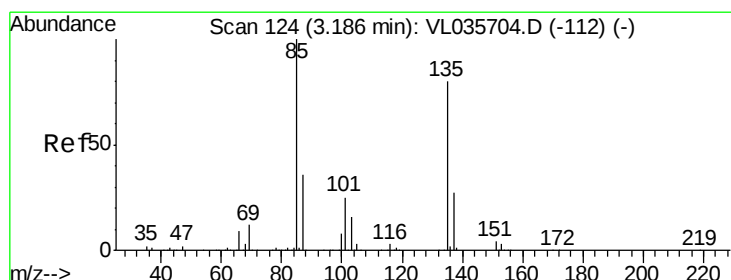
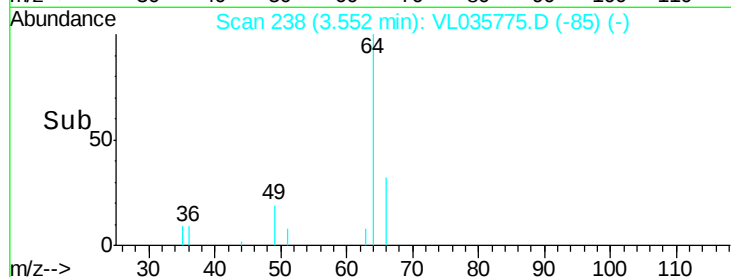
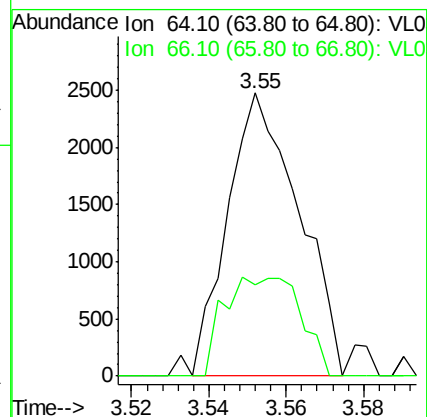
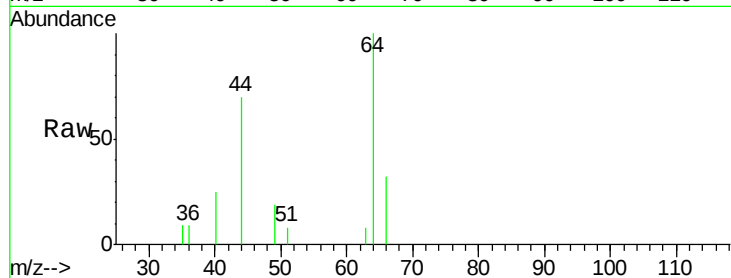
66 32.4 26.9 40.3

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.135 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL035775.D

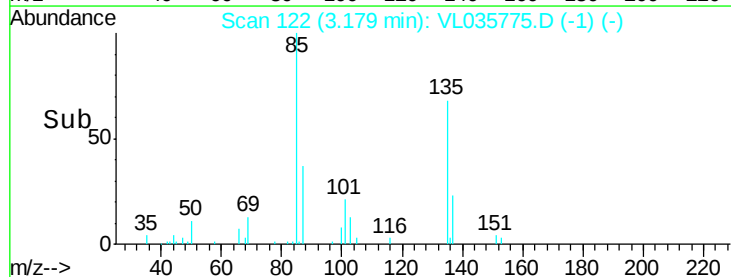
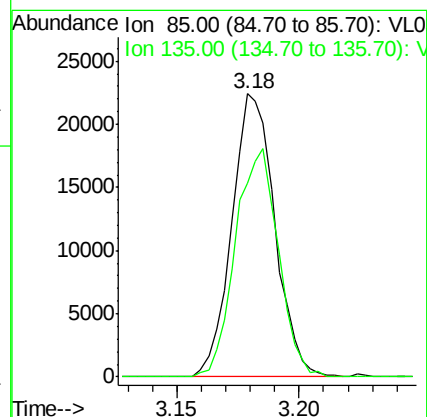
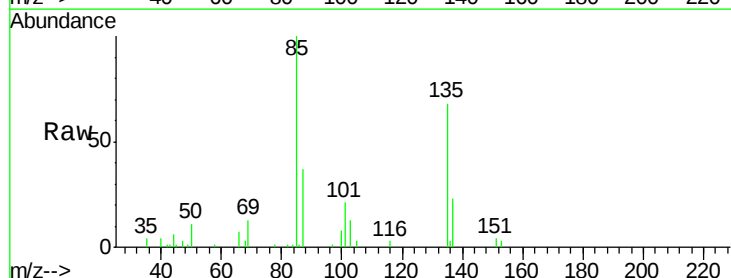
Acq: 12 Oct 2020 23:37

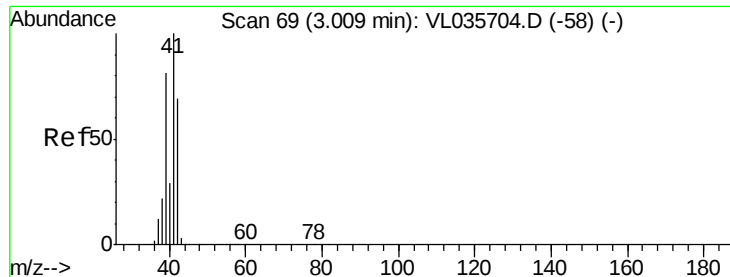
Tgt Ion: 85 Resp: 27381

Ion Ratio Lower Upper

85 100

135 80.1 64.3 96.5





#9

Propene

Concen: 0.188 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2020

Tot Ion: 41 Resp: 7472

Ion Ratio Lower Upper

41 100

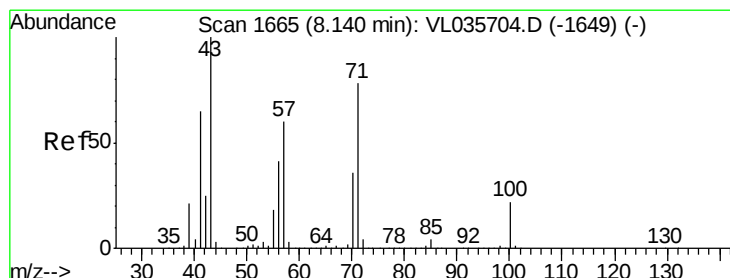
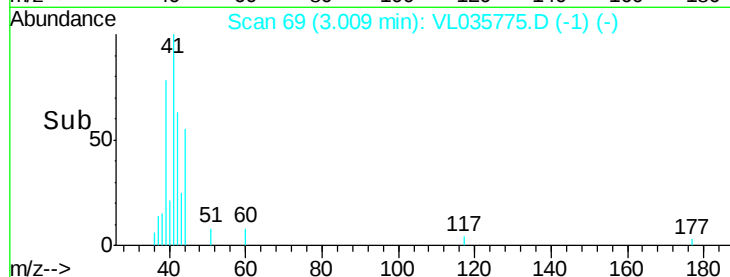
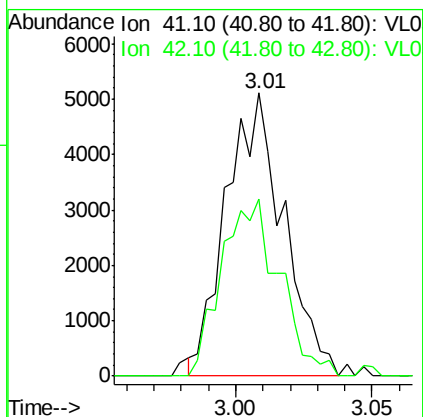
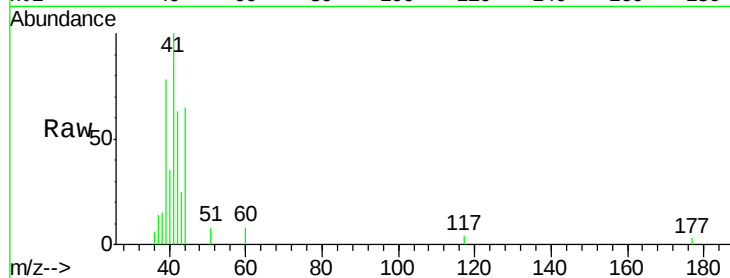
42 64.1 56.2 84.4

Manual Integrations

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#10

Heptane

Concen: 0.071 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.01 min

Lab File: VL035775.D

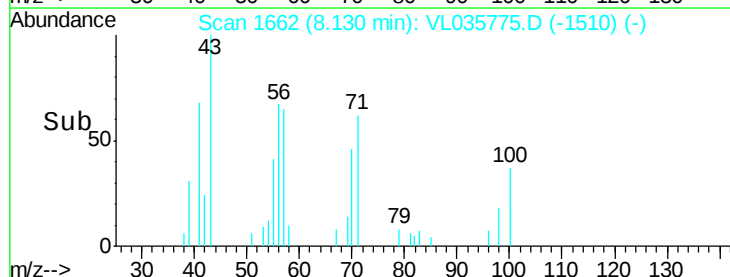
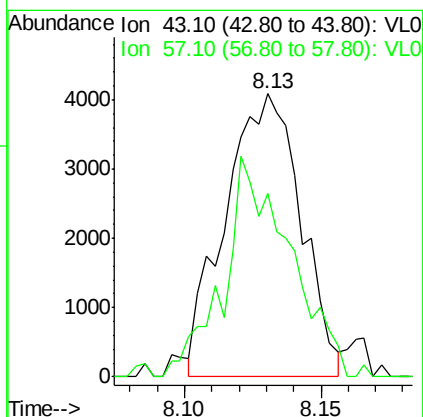
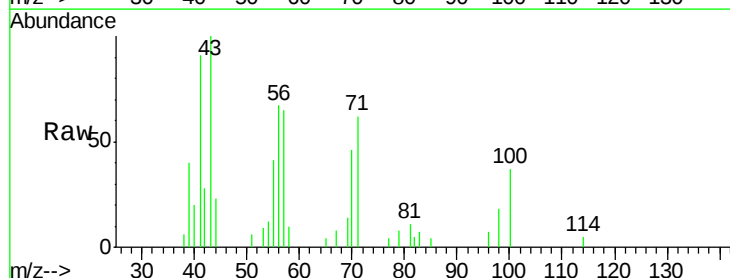
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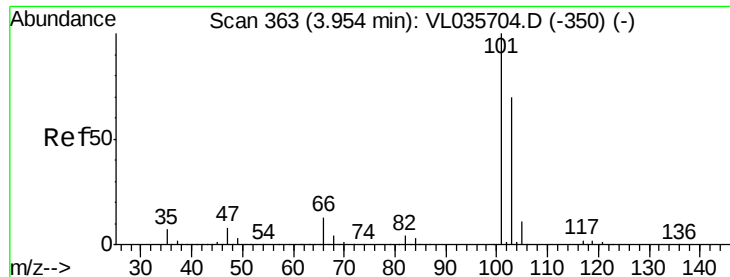
Tgt Ion: 43 Resp: 7871

Ion Ratio Lower Upper

43 100

57 68.9 50.4 75.6





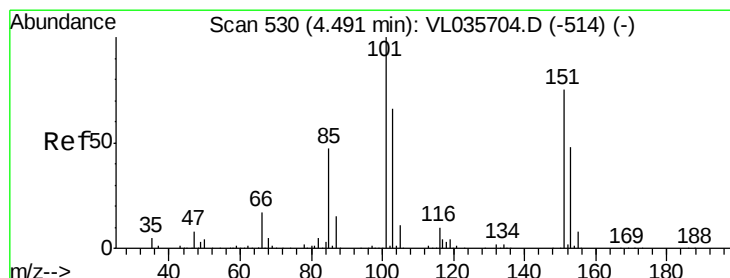
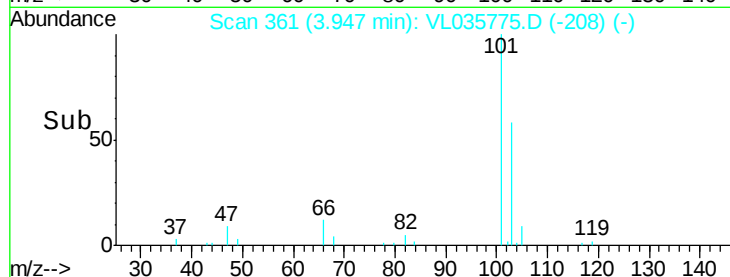
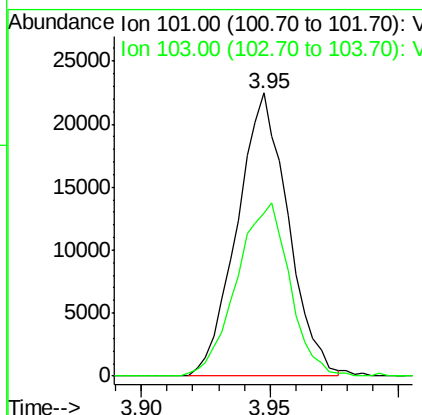
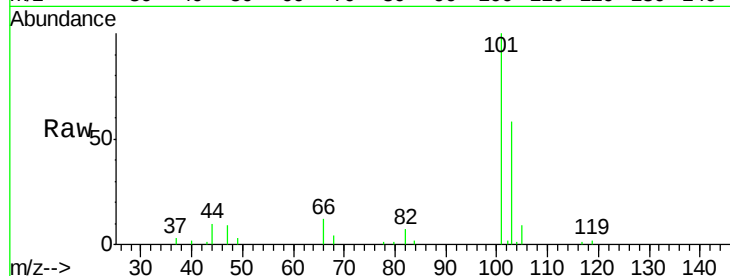
#11
 Trichlorofluoromethane
 Concen: 0.130 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL035775.D
 Acq: 12 Oct 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2020

Tot Ion:101 Resp: 31065
 Ion Ratio Lower Upper
 101 100
 103 56.8 55.6 83.4

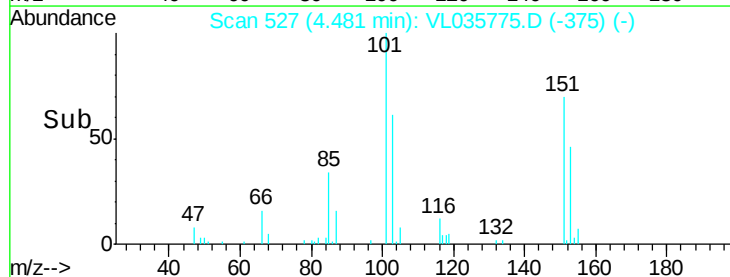
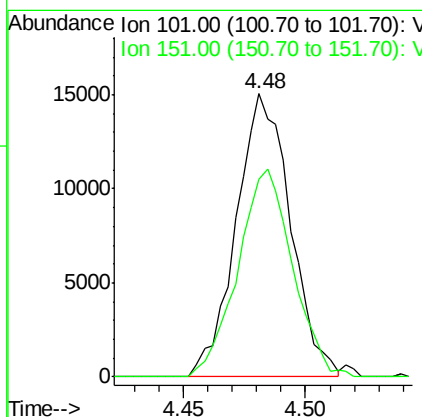
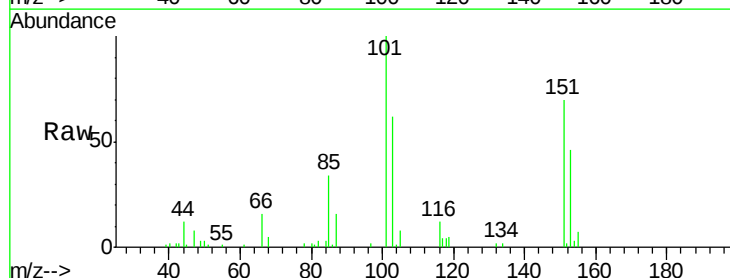
Manual Integrations
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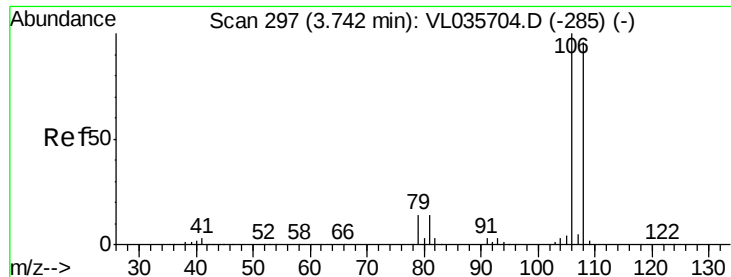
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.130 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VL035775.D
 Acq: 12 Oct 2020 23:37

Tgt Ion:101 Resp: 23204
 Ion Ratio Lower Upper
 101 100
 151 74.0 59.1 88.7





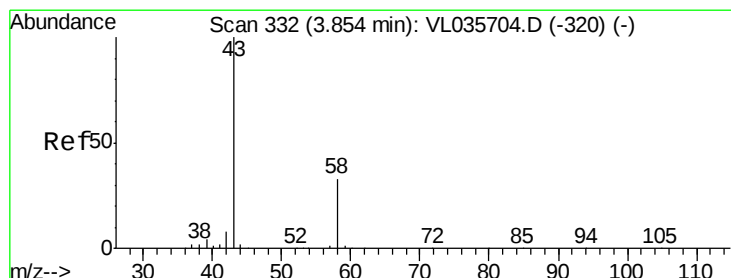
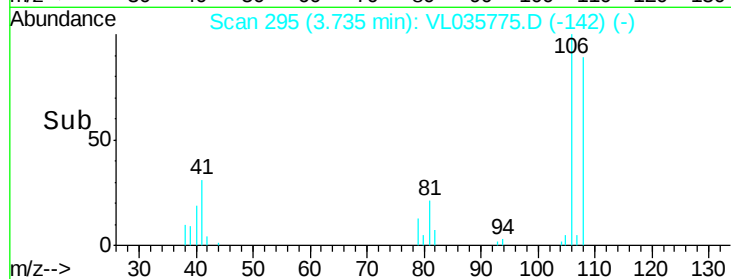
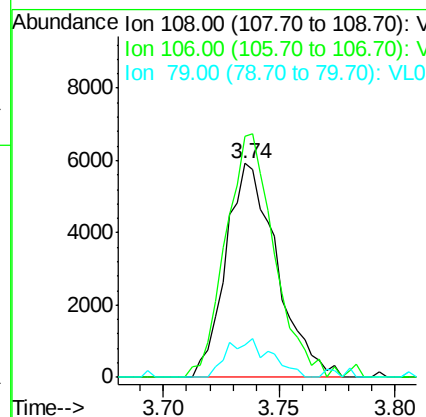
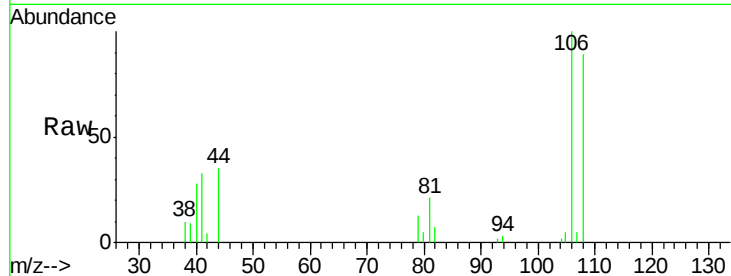
#14
Bromoethene
Concen: 0.121 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
108	100		
106	109.2	84.6	126.8
79	16.9	11.6	17.4

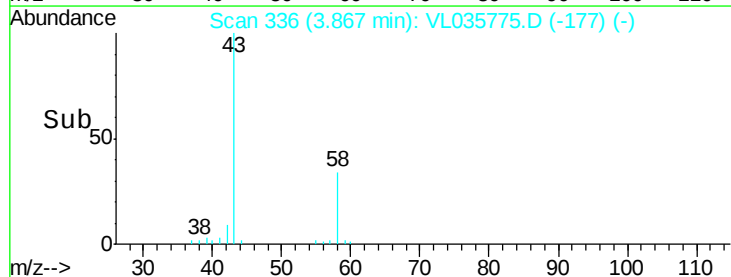
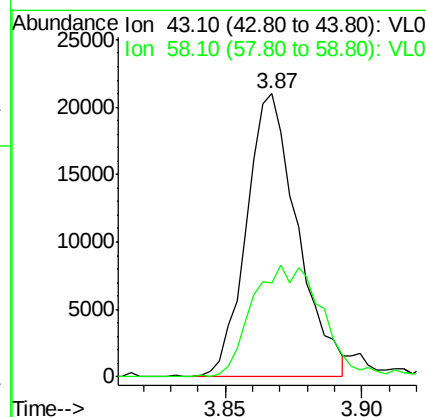
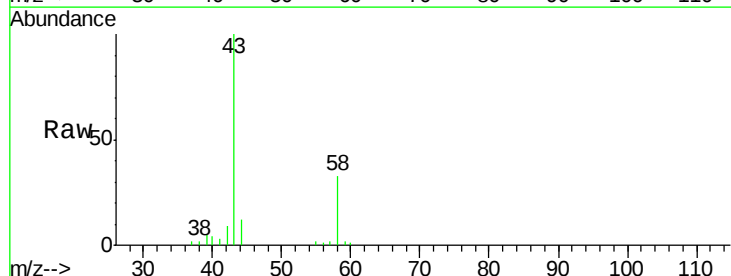
Manual Integrations
APPROVED

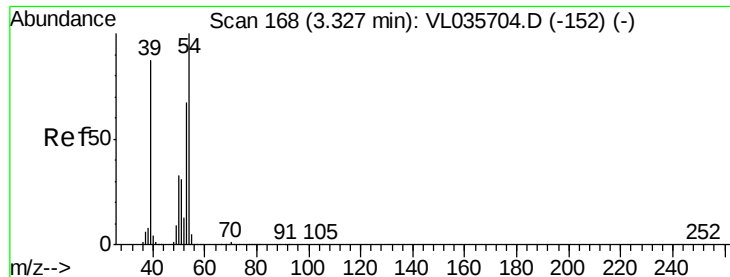
MMDadoda
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#15
Acetone
Concen: 0.249 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.1	27.3	40.9#





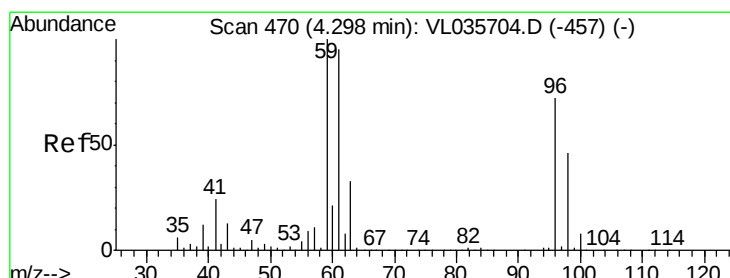
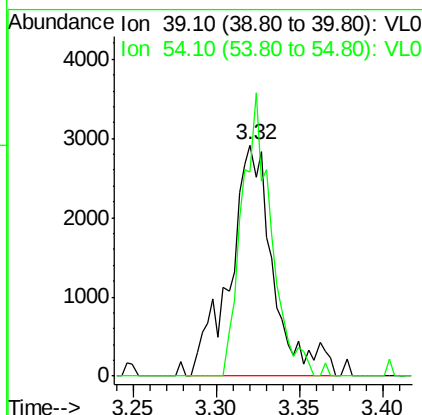
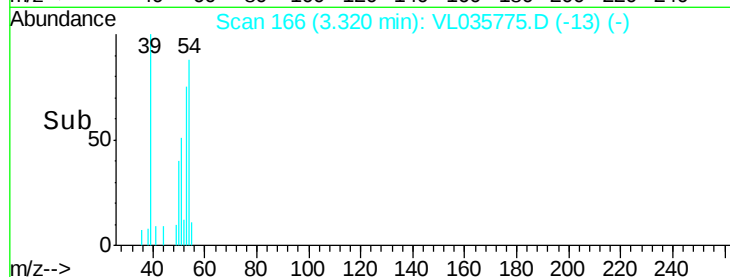
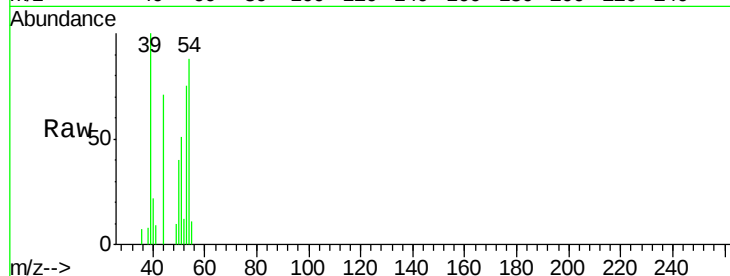
#16
1,3-Butadiene
Concen: 0.131 ppbv m
RT: 3.32 min Scan# 166
Delta R.T. -0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2020

Tot Ion: 39 Resp: 5274
Ion Ratio Lower Upper
39 100
54 83.4 87.4 131.0#

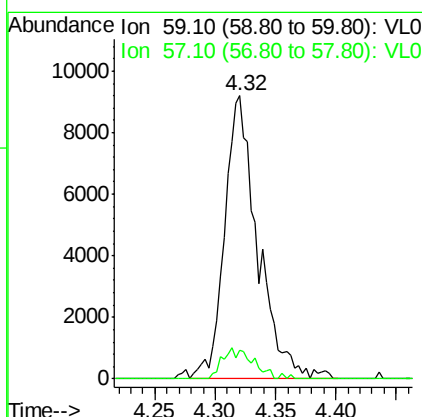
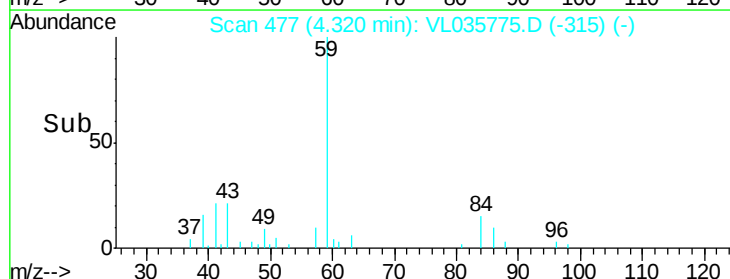
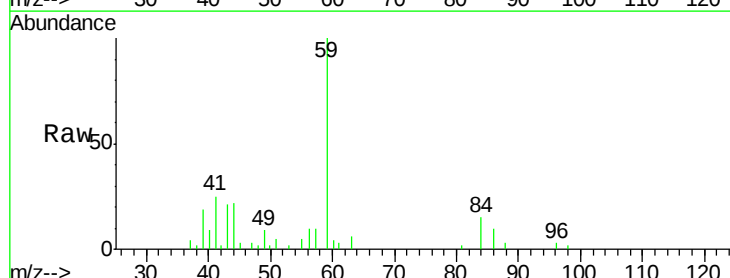
Manual Integrations
APPROVED

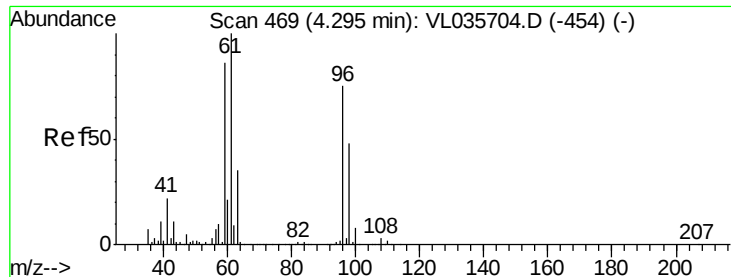
MMDadoda
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#17
tert-Butyl alcohol
Concen: 0.148 ppbv m
RT: 4.32 min Scan# 477
Delta R.T. 0.02 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Tgt Ion: 59 Resp: 17723
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#18

1,1-Dichloroethene

Concen: 0.121 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Instrument :

MSVOA_L

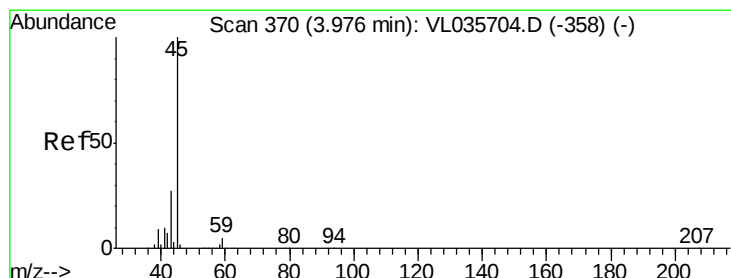
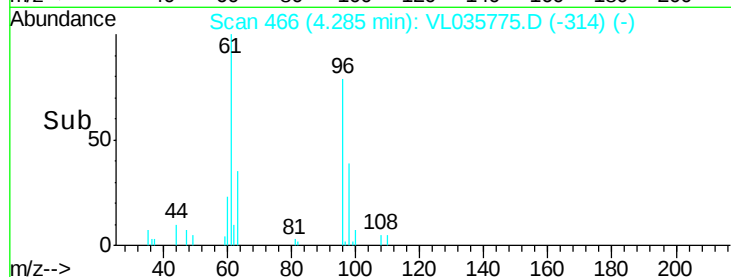
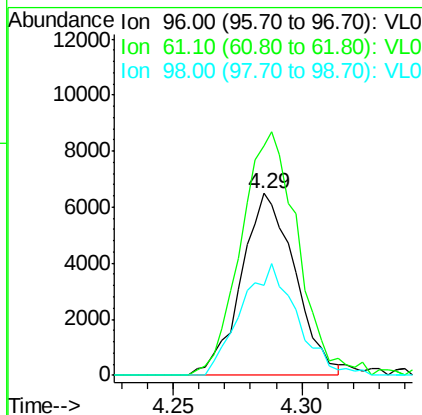
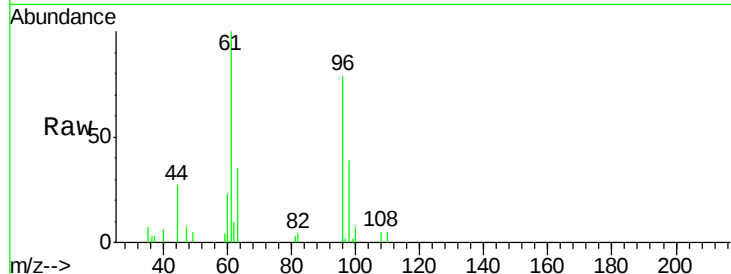
ClientSampleId :

LOD-MDL-AIR-01-QT4-2020

Tot Ion:	96	Resp:	9432
Ion	Ratio	Lower	Upper
96	100		
61	126.0	106.7	160.1
98	49.6	50.8	76.2#

Manual Integrations
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#19

Isopropyl Alcohol

Concen: 0.168 ppbv m

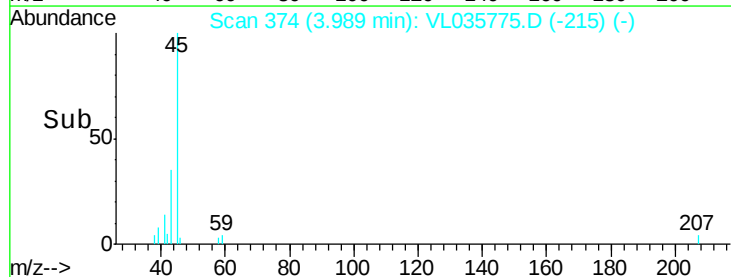
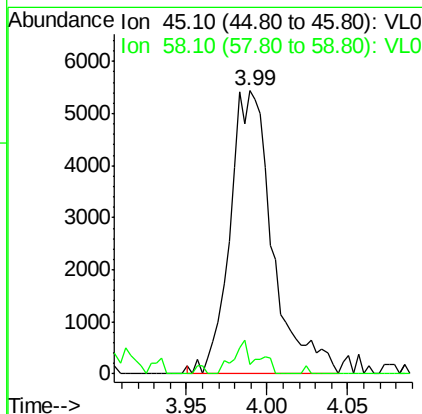
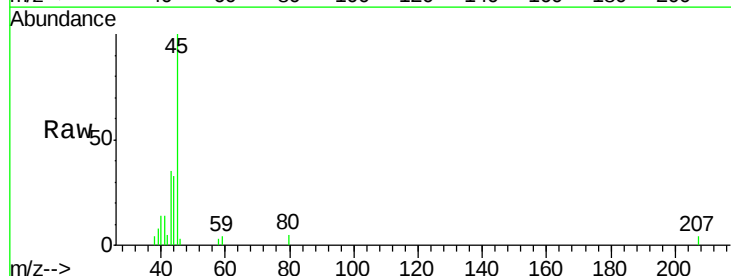
RT: 3.99 min Scan# 374

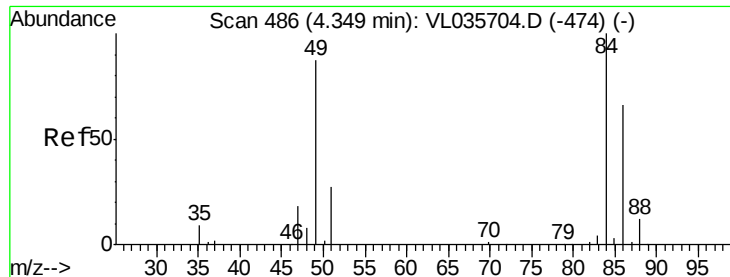
Delta R.T. 0.01 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Tgt Ion:	45	Resp:	10000
Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.8	4.2#





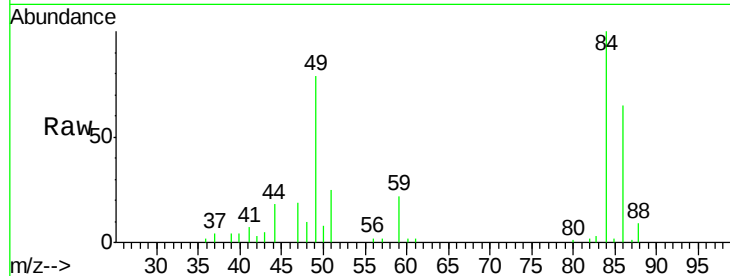
#20
Methvlene Chloride
Concen: 0.273 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2020

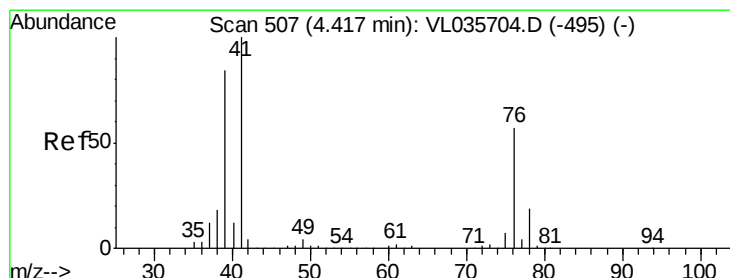
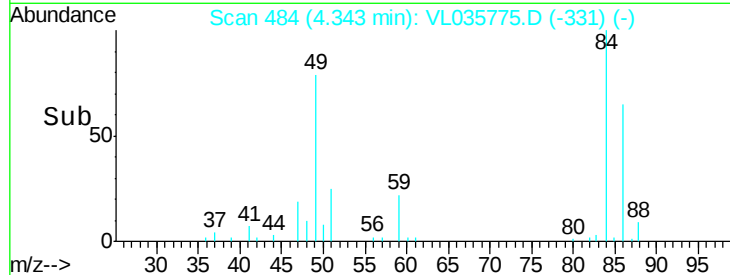
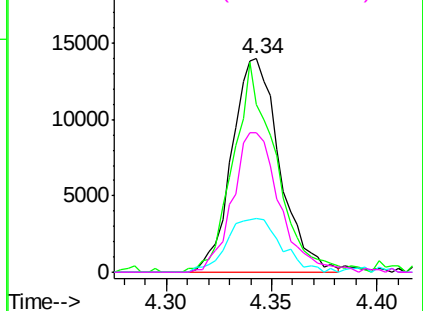
Tot Ion	84	Resp	21971
Ion	Ratio	Lower	Upper
84	100		
49	77.0	69.8	104.6
51	25.4	21.8	32.8
86	65.5	52.6	78.8

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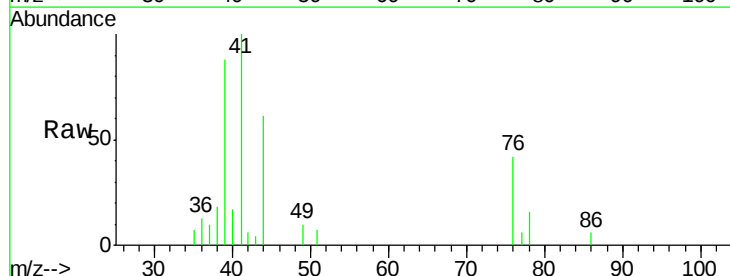


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

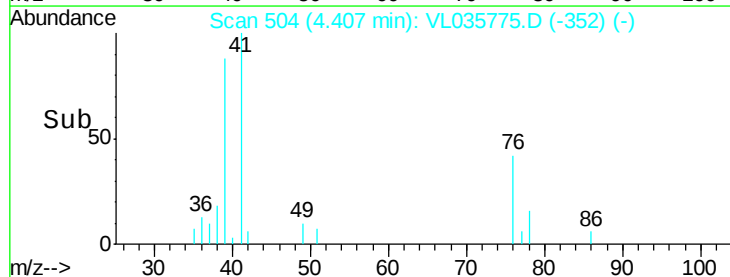
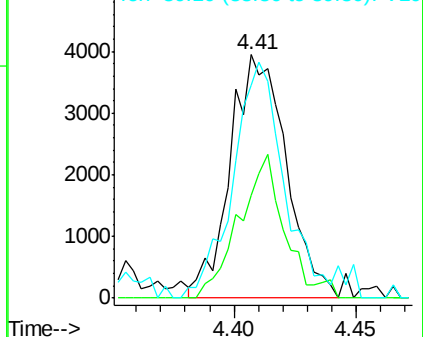


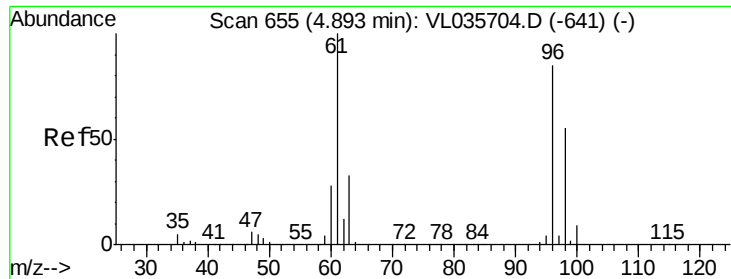
#21
Allyl Chloride
Concen: 0.118 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Tgt Ion	41	Resp	6259
Ion	Ratio	Lower	Upper
41	100		
76	48.2	44.8	67.2
39	93.9	68.4	102.6



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.128 ppbv

RT: 4.89 min Scan# 654

Delta R.T. -0.00 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Instrument :

MSVOA_L

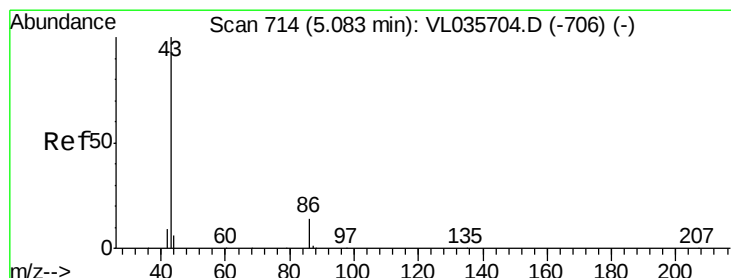
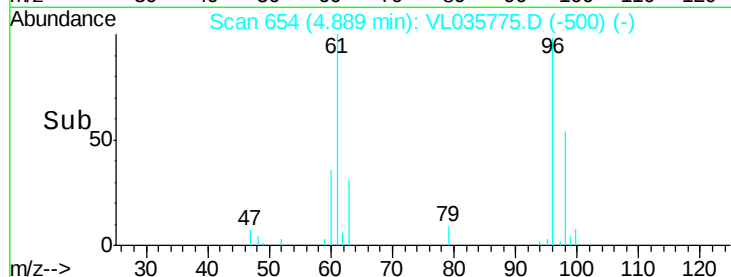
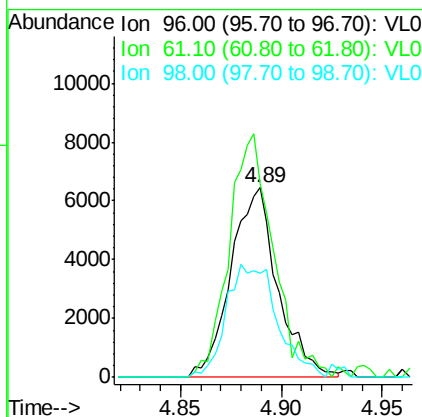
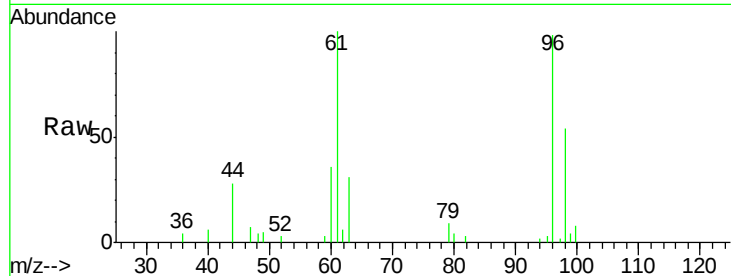
ClientSampleId :

LOD-MDL-AIR-01-QT4-2020

Tot Ion:	96	Resp:	10526
Ion	Ratio	Lower	Upper
96	100		
61	102.0	93.7	140.5
98	55.2	51.2	76.8

Manual Integrations
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#23

Vinyl Acetate

Concen: 0.122 ppbv

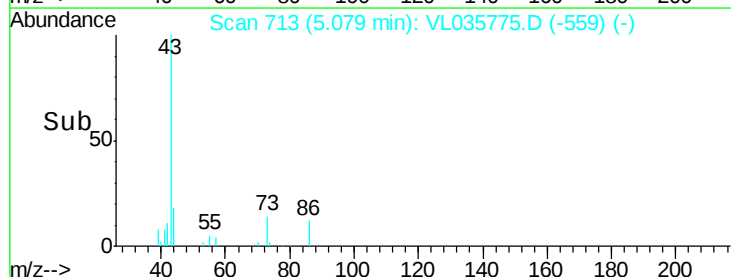
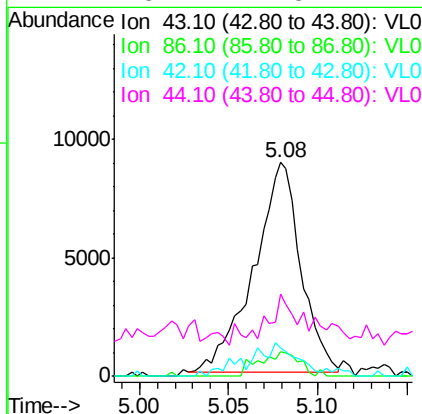
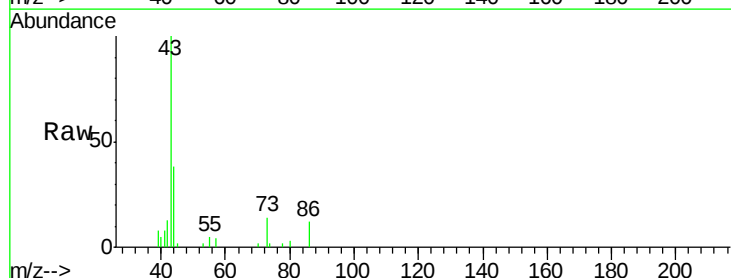
RT: 5.08 min Scan# 713

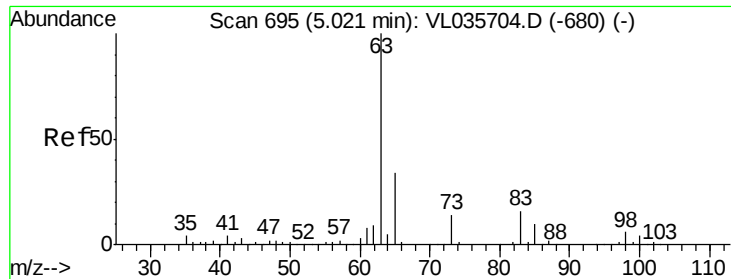
Delta R.T. -0.00 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Tgt Ion:	43	Resp:	16359
Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.7	14.5
42	13.2	7.9	11.9#
44	15.1	4.8	7.2#





#24

1,1-Dichloroethane

Concen: 0.128 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.01 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Instrument :

MSVOA_L

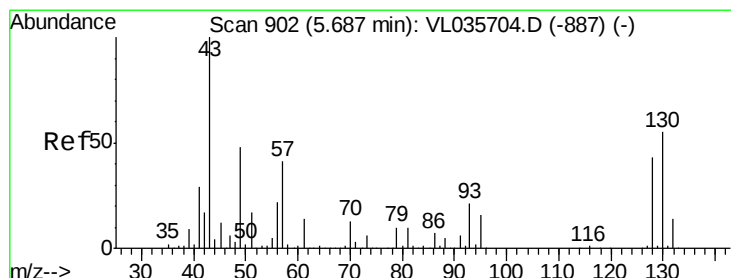
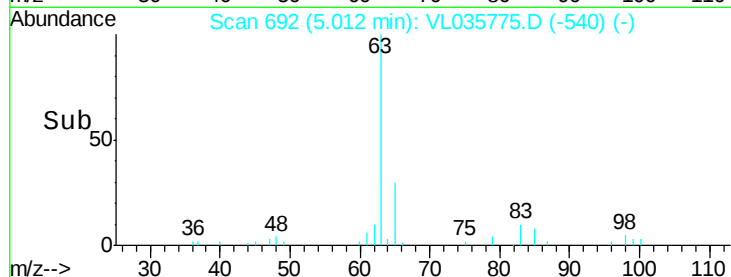
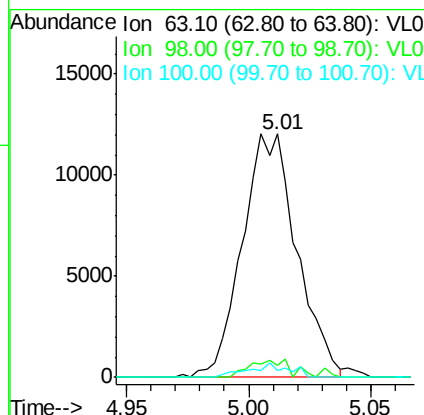
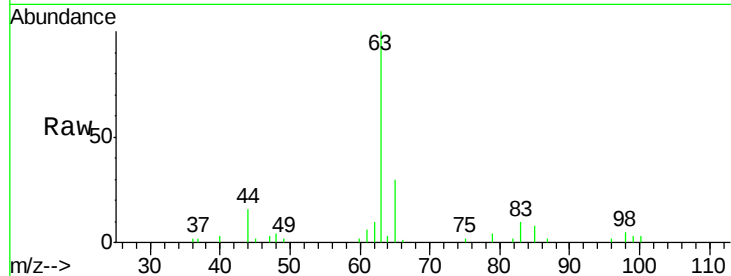
ClientSampleId :

LOD-MDL-AIR-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	18655		
98	4.9		3.3	9.8
100	2.9		2.0	5.8

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#25

Ethyl Acetate

Concen: 0.115 ppbv

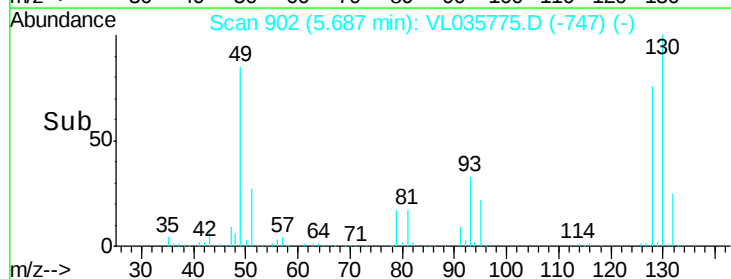
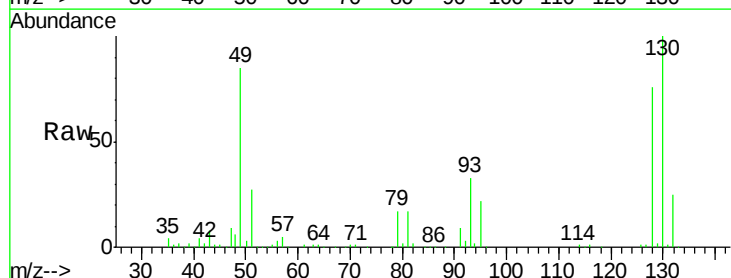
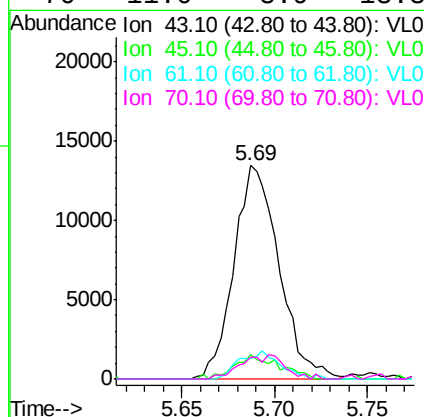
RT: 5.69 min Scan# 902

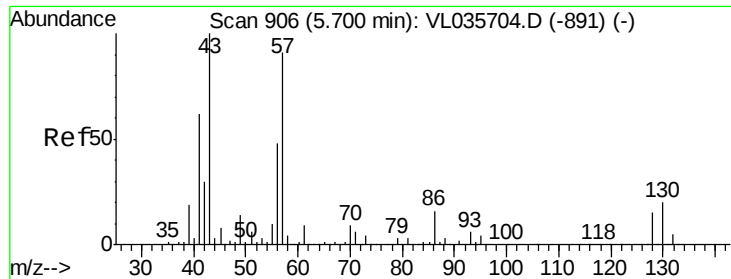
Delta R.T. -0.00 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	22734		
45	11.1		8.6	12.8
61	11.9		10.4	15.6
70	11.0		8.9	13.3





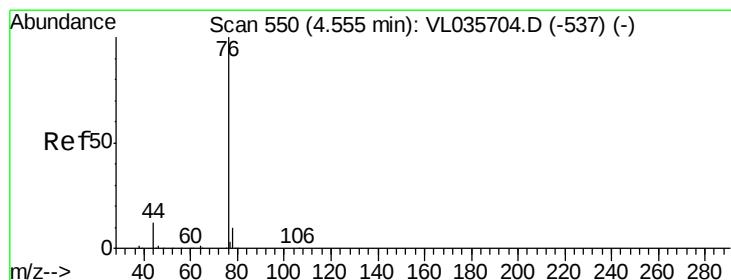
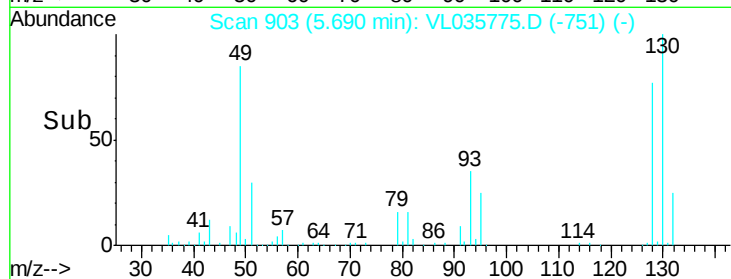
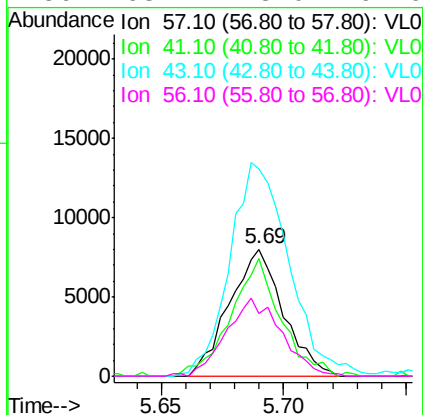
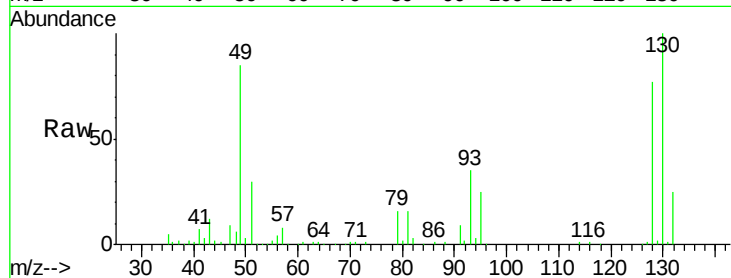
#26
Hexane
Concen: 0.114 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
57	100		
41	86.3	57.9	86.9
43	186.2	143.8	215.6
56	63.7	43.0	64.6

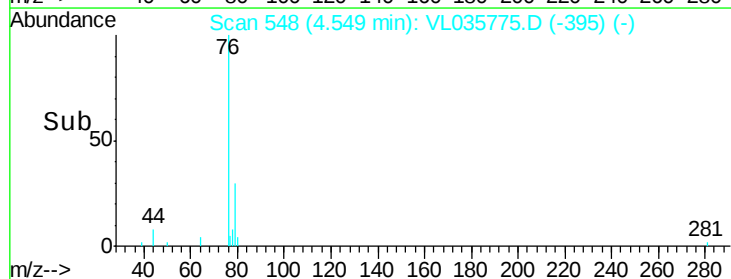
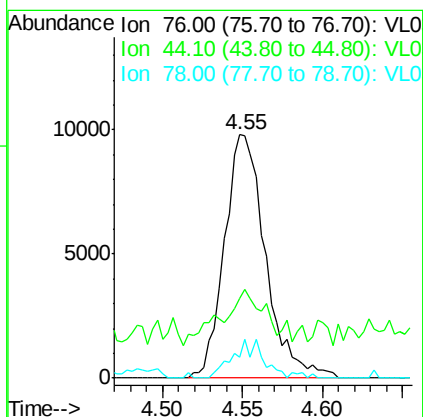
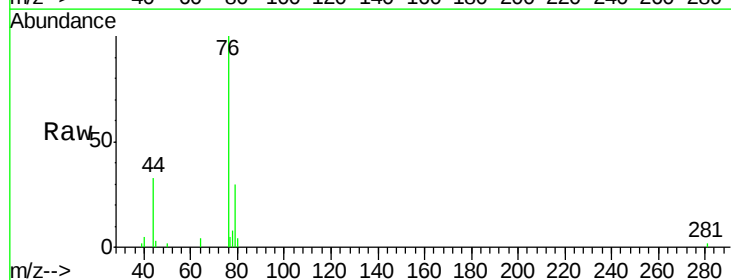
Manual Integrations
APPROVED

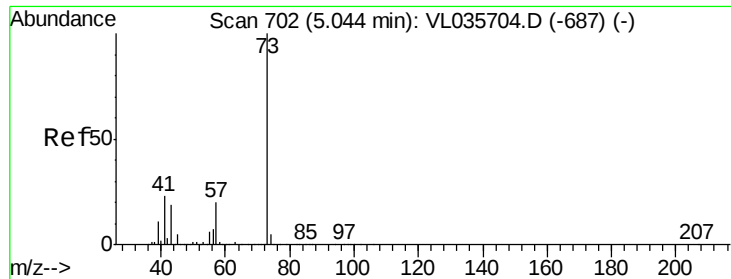
MMDadoda
10/14/2020 2:12:03 PM



#27
Carbon Disulfide
Concen: 0.107 ppbv
RT: 4.55 min Scan# 548
Delta R.T. -0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Tgt Ion	Ratio	Lower	Upper
76	100		
44	24.5	9.7	14.5#
78	12.5	7.8	11.8#





#28

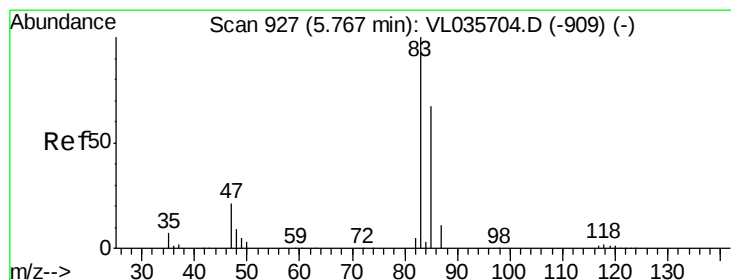
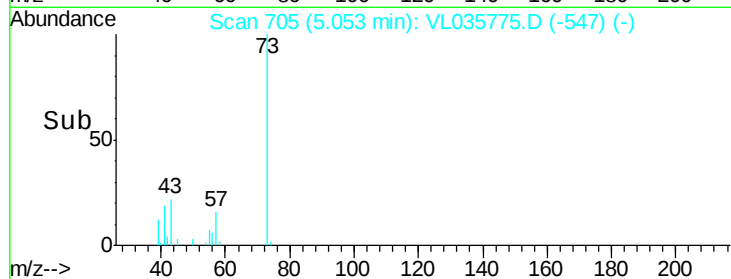
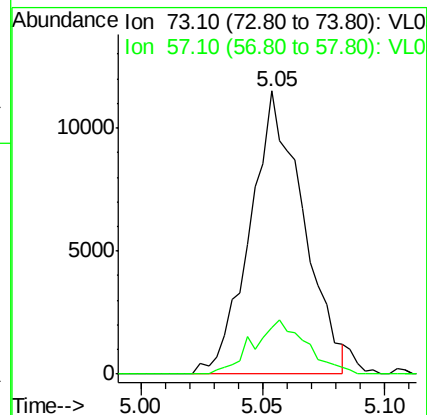
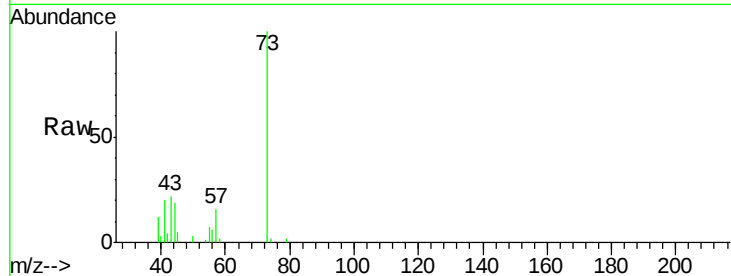
Methvl tert-Butvl Ether
 Concen: 0.101 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VL035775.D
 Acq: 12 Oct 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.5	15.6	23.4

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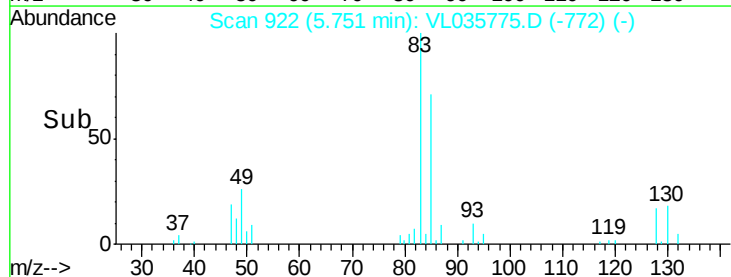
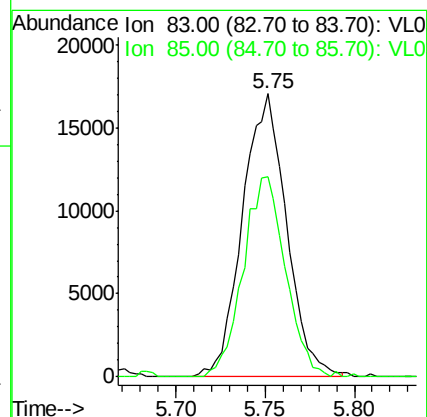
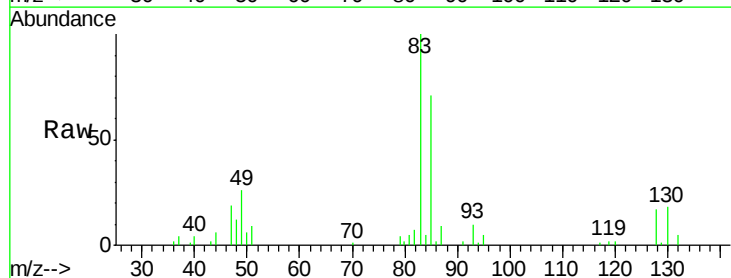
MMDadoda
 10/14/2020 2:12:03 PM

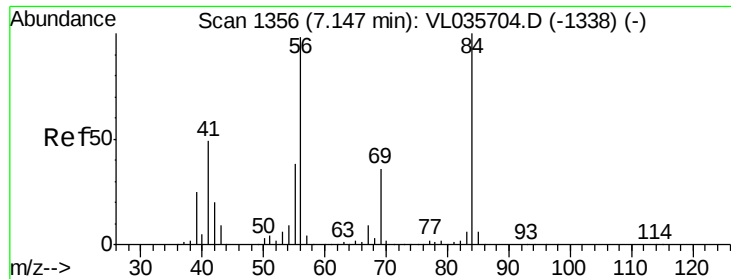


#29

Chloroform
 Concen: 0.133 ppbv
 RT: 5.75 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: VL035775.D
 Acq: 12 Oct 2020 23:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.9	54.0	81.0





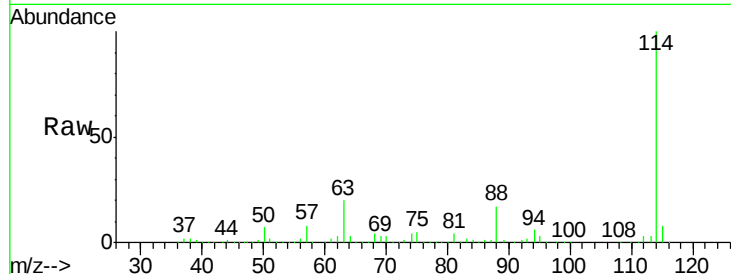
#30
Cyclohexane
Concen: 0.182 ppbv m
RT: 7.16 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	84.6	127.0#
41	0.0	41.1	61.7#

Manual Integrations
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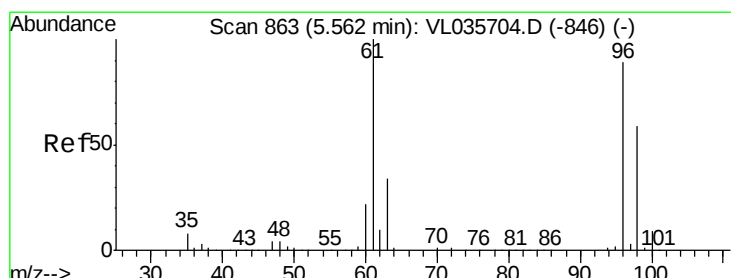
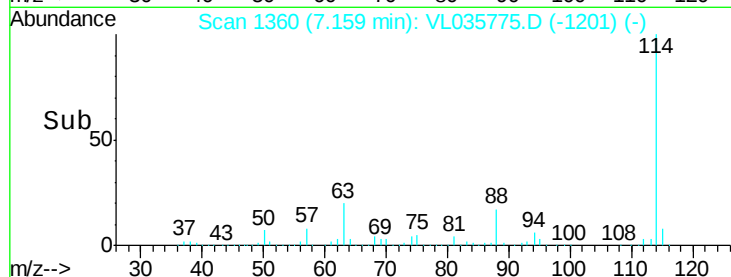
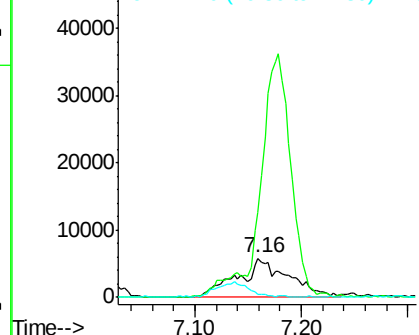


Abundance

Ion 84.20 (83.90 to 84.90): VL0

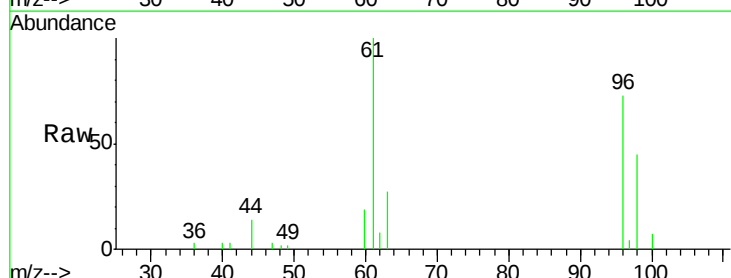
Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



#31
cis-1,2-Dichloroethene
Concen: 0.111 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Tgt Ion	Ratio	Lower	Upper
61	100		
96	73.4	71.4	107.2
98	44.8	47.4	71.2#

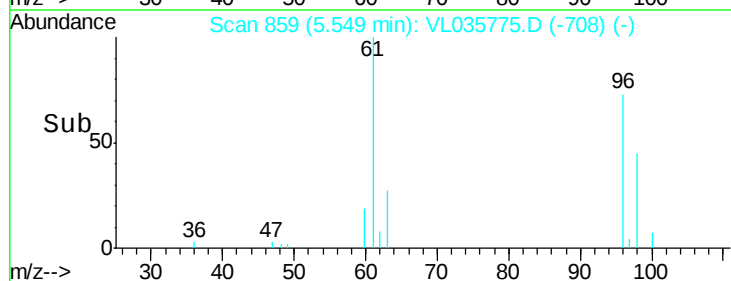
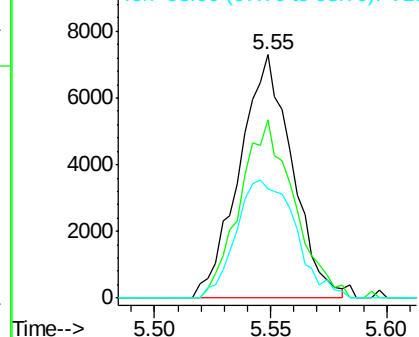


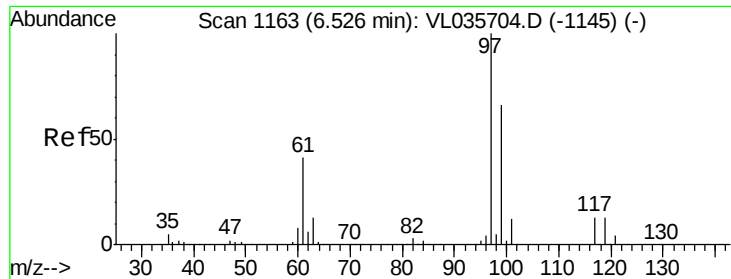
Abundance

Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0





#32

1,1,1-Trichloroethane

Concen: 0.119 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.02 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Instrument :

MSVOA_L

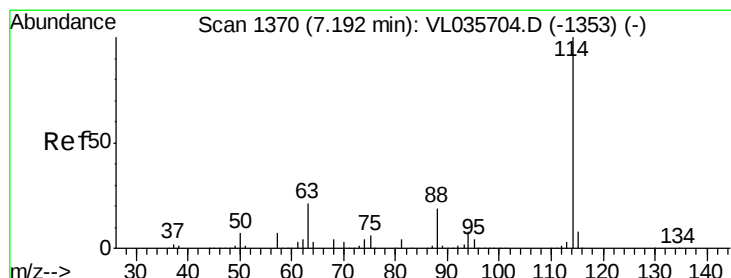
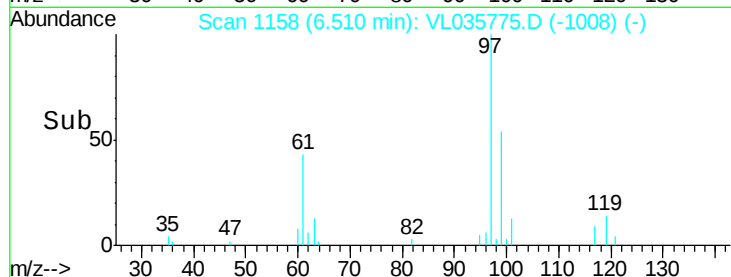
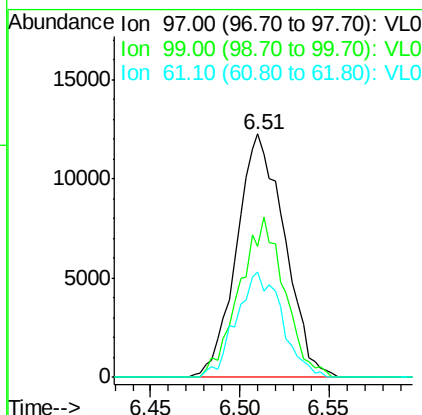
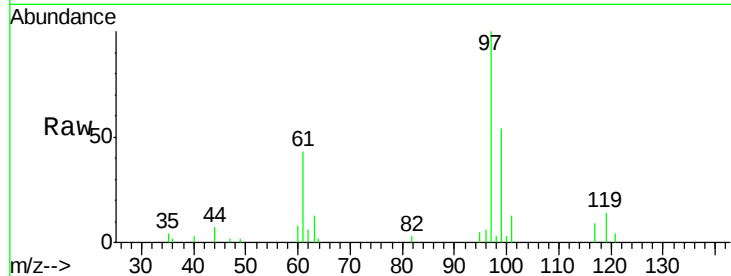
ClientSampleId :

LOD-MDL-AIR-01-QT4-2020

Tot Ion:	97	Resp:	22956
Ion	Ratio	Lower	Upper
97	100		
99	61.6	52.7	79.1
61	41.1	32.7	49.1

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

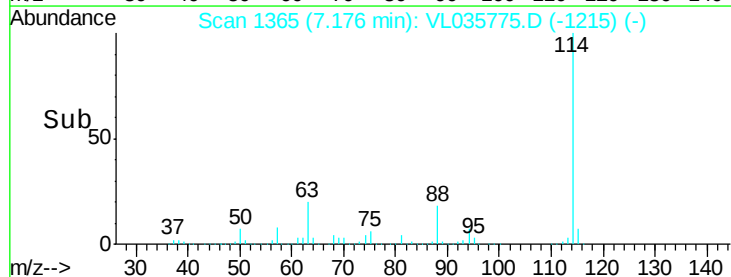
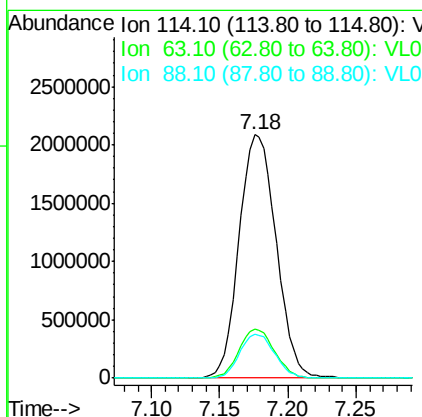
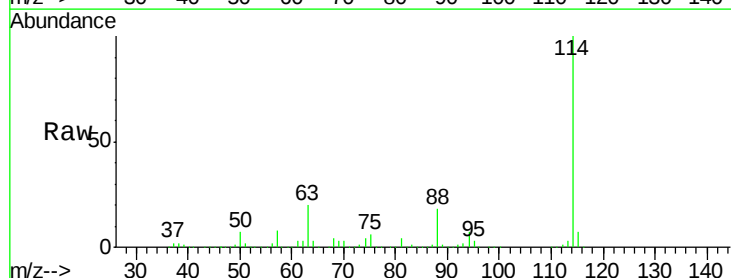
RT: 7.18 min Scan# 1365

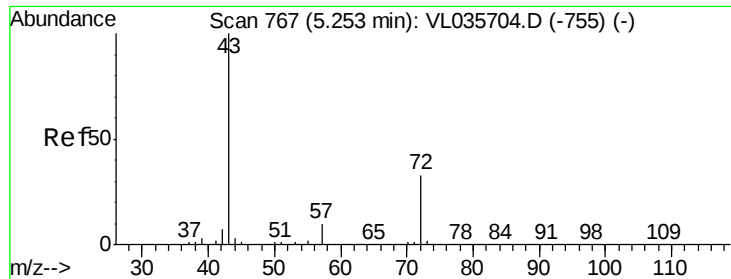
Delta R.T. -0.02 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Tgt Ion:	114	Resp:	3939058
Ion	Ratio	Lower	Upper
114	100		
63	19.5	16.1	24.1
88	17.2	14.1	21.1





#34

2-Butanone

Concen: 0.113 ppbv

RT: 5.26 min Scan# 770

Delta R.T. 0.01 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2020

Tot Ion: 43 Resp: 14737

Ion Ratio Lower Upper

43 100

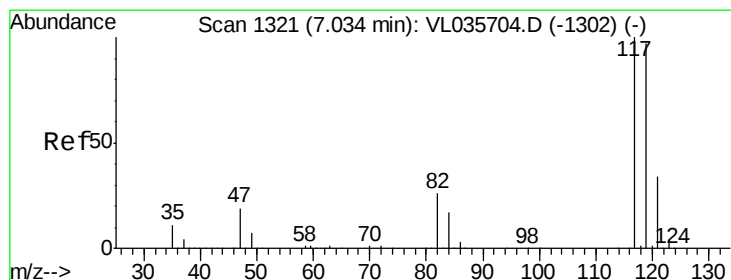
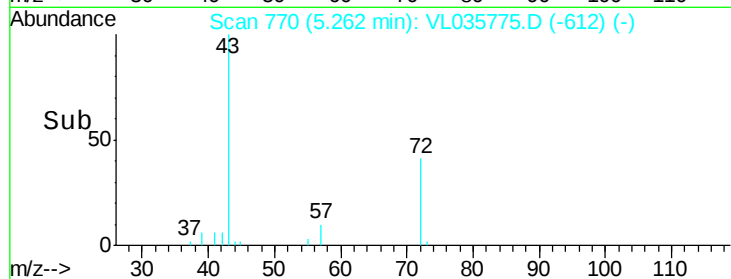
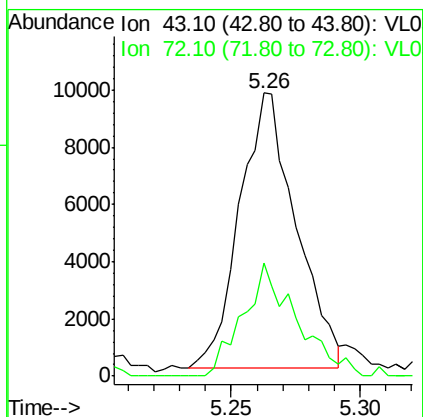
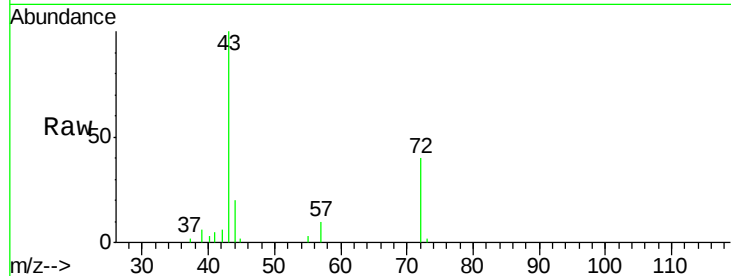
72 39.4 26.1 39.1#

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#35

Carbon Tetrachloride

Concen: 0.108 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.02 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

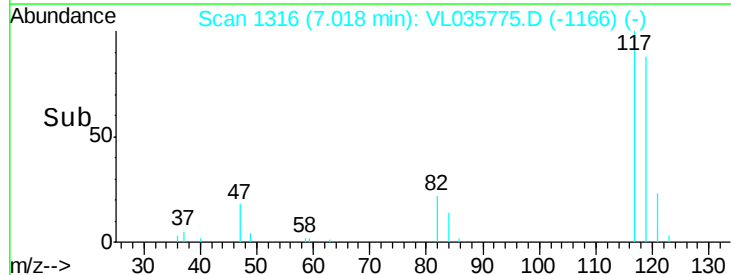
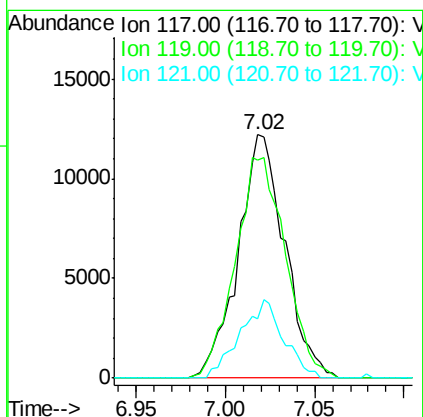
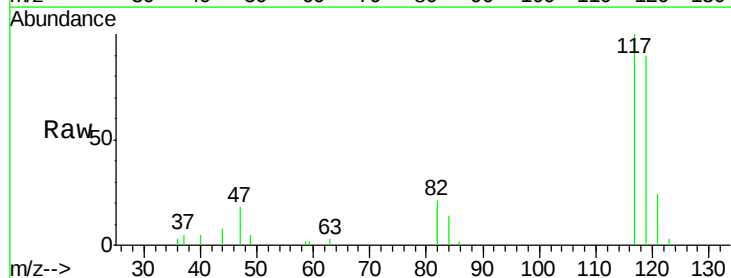
Tgt Ion: 117 Resp: 22275

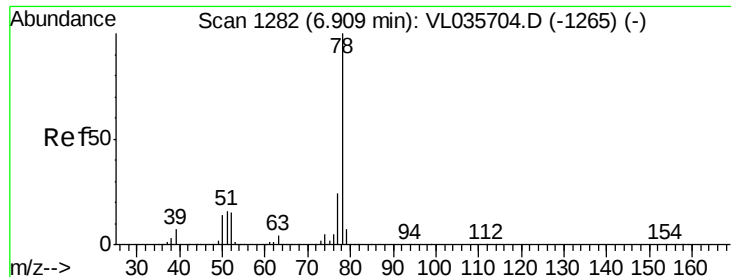
Ion Ratio Lower Upper

117 100

119 89.7 77.7 116.5

121 24.3 26.9 40.3#





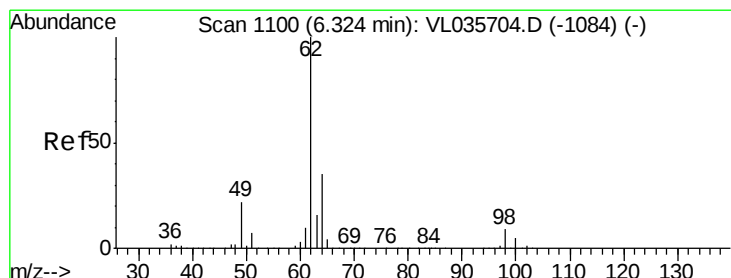
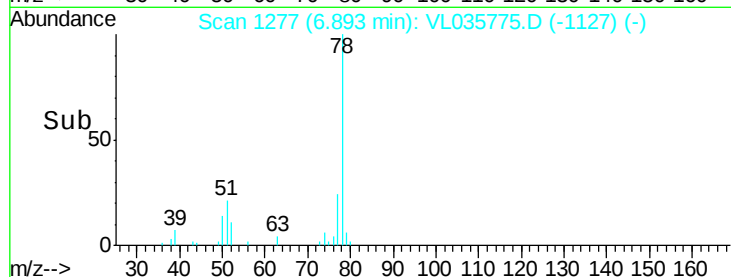
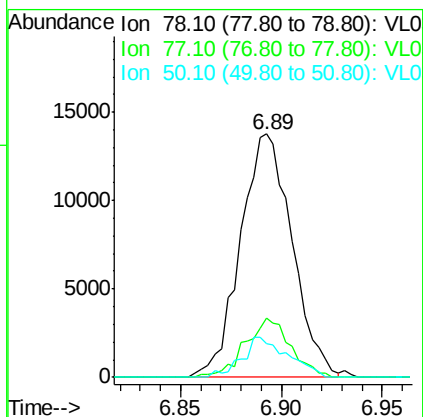
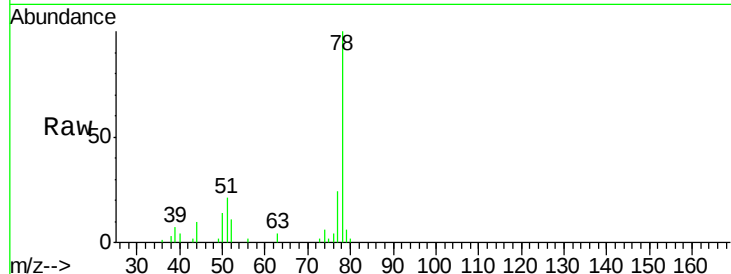
#36
Benzene
Concen: 0.096 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.02 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9
50	13.7	11.6	17.4

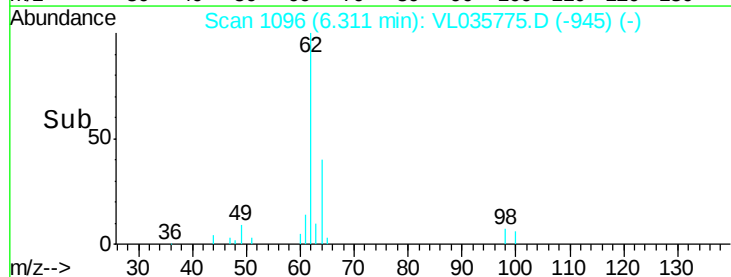
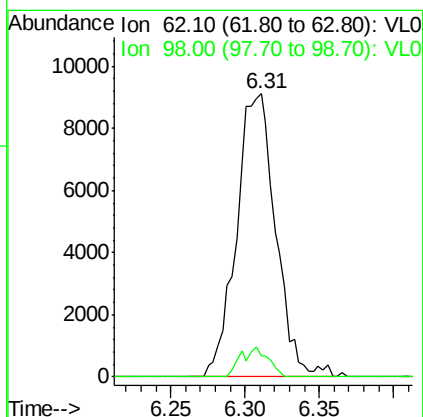
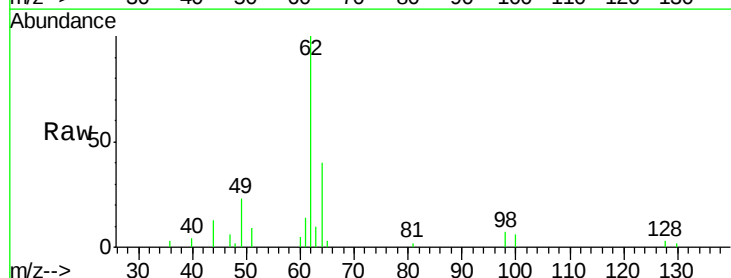
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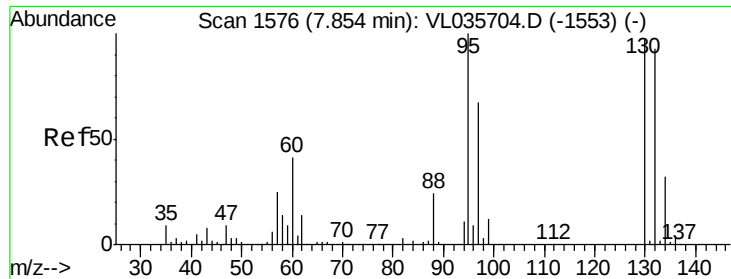
MMDadoda
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#37
1,2-Dichloroethane
Concen: 0.125 ppbv m
RT: 6.31 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.2	6.9	10.3





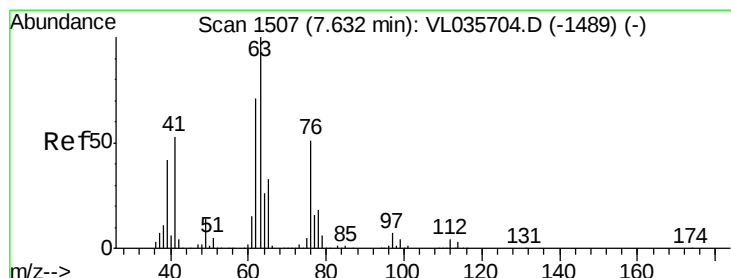
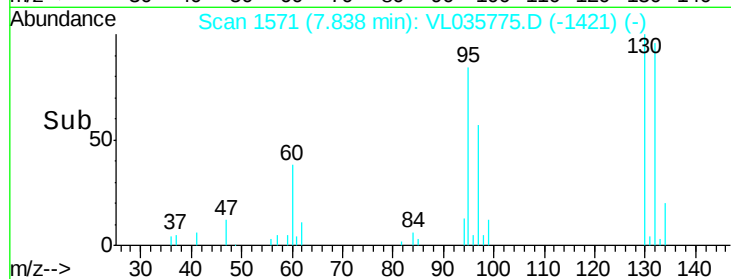
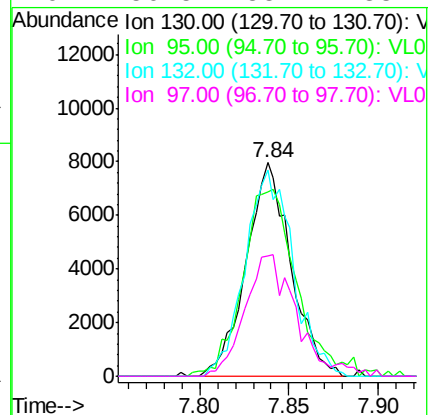
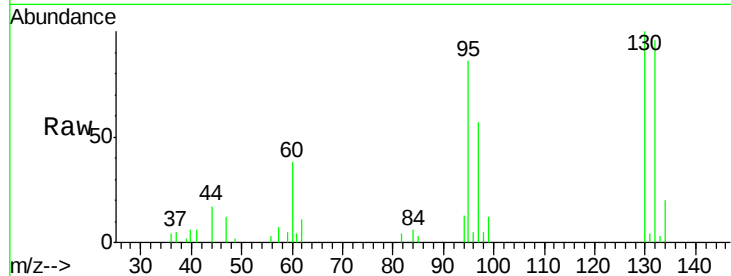
#38
 Trichloroethene
 Concen: 0.109 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: VL035775.D
 Acq: 12 Oct 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		14020		
95	84.3		82.4	123.6	
132	96.4		76.8	115.2	
97	56.5		55.4	83.2	

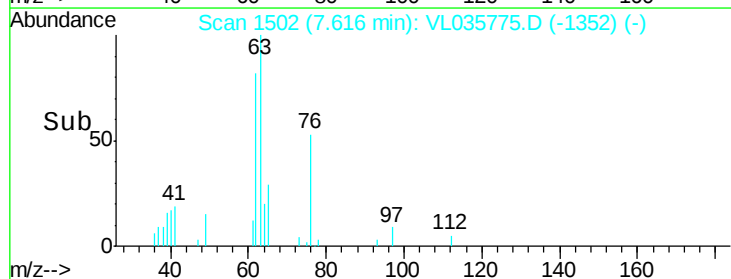
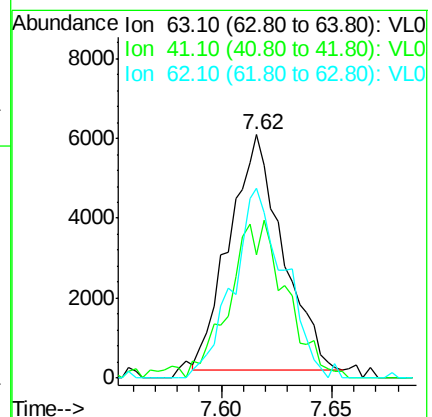
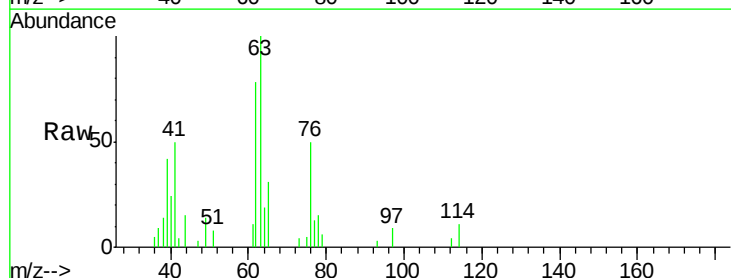
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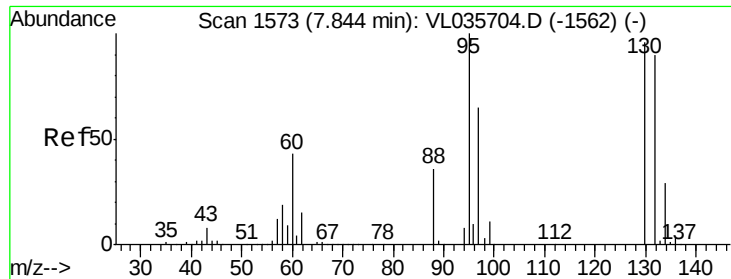
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#39
 1,2-Dichloropropane
 Concen: 0.107 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.02 min
 Lab File: VL035775.D
 Acq: 12 Oct 2020 23:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		9936		
41	49.4		42.6	63.8	
62	80.6		56.5	84.7	





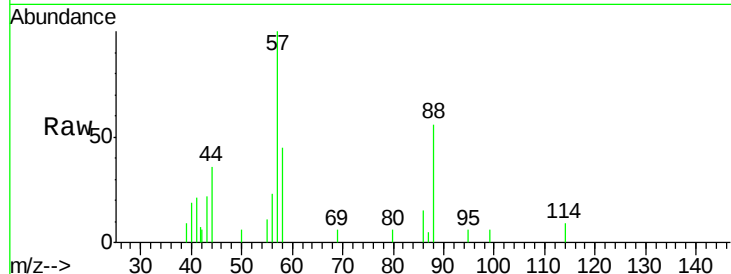
#40
1,4-Dioxane
Concen: 0.097 ppbv m
RT: 7.91 min Scan# 1592
Delta R.T. 0.06 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
88	100		
58	101.5	76.2	114.4
43	140.1	123.4	185.2
57	708.2	652.5	978.7

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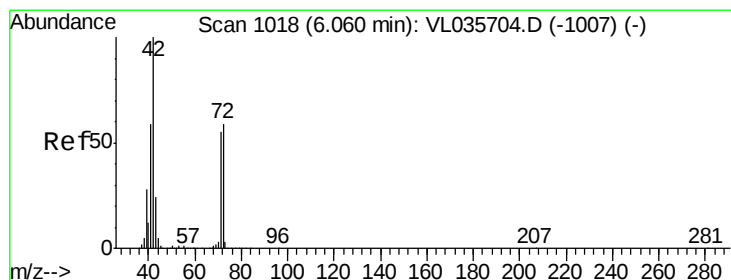
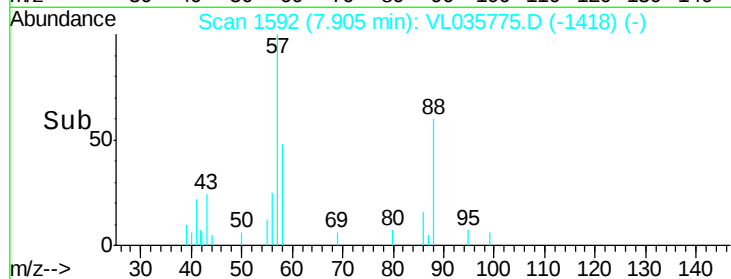
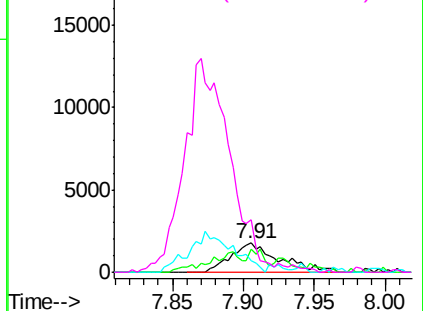
Abundance

Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

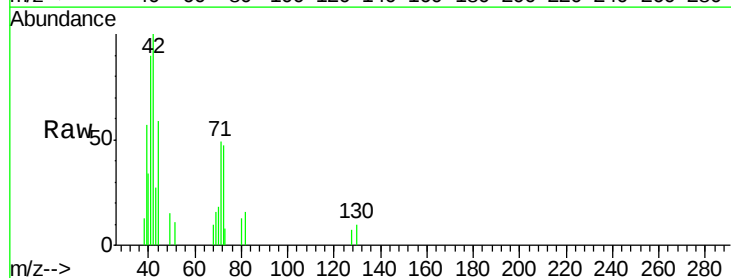
Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#41
Tetrahydrofuran
Concen: 0.070 ppbv m
RT: 6.09 min Scan# 1028
Delta R.T. 0.03 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	46.2	69.4#
71	0.0	44.2	66.4#

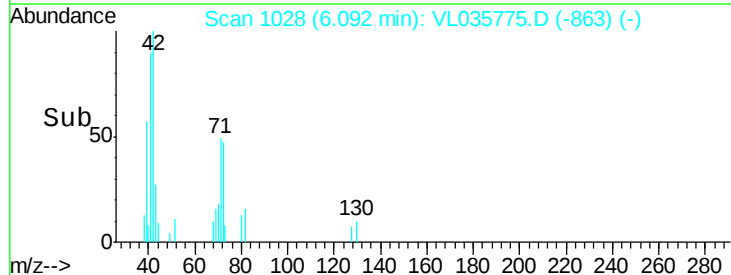
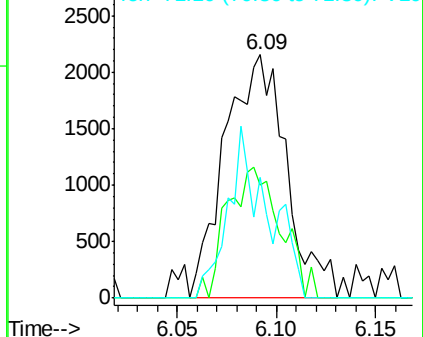


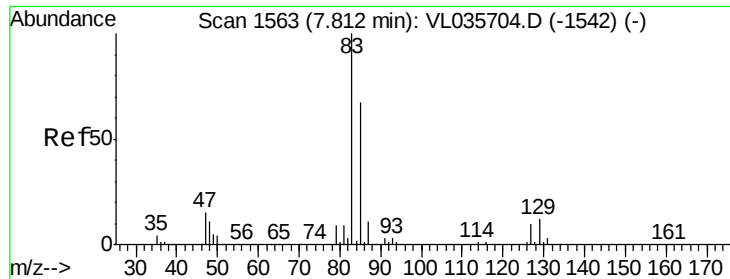
Abundance

Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.102 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.02 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Instrument :

MSVOA_L

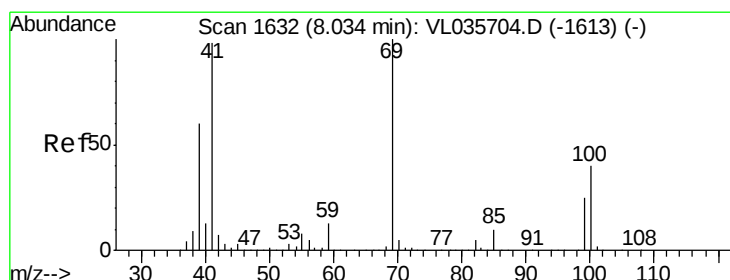
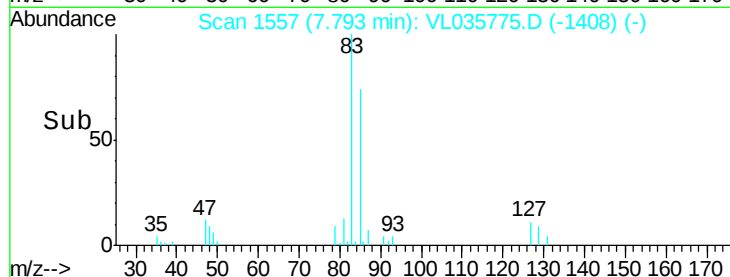
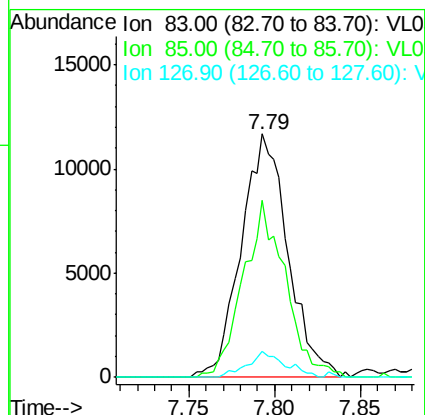
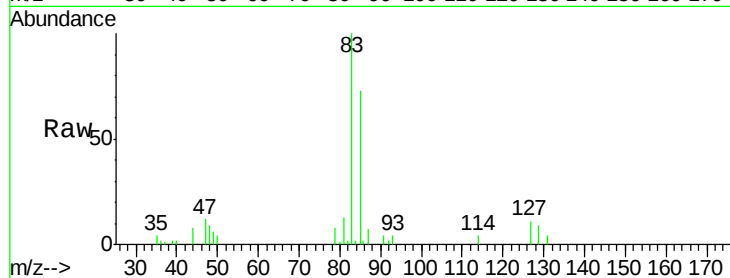
ClientSampleId :

LOD-MDL-AIR-01-QT4-2020

Tot Ion:	83	Resp:	21912
Ion	Ratio	Lower	Upper
83	100		
85	72.7	53.4	80.0
127	10.6	7.8	11.6

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#43

Methyl Methacrylate

Concen: 0.070 ppbv m

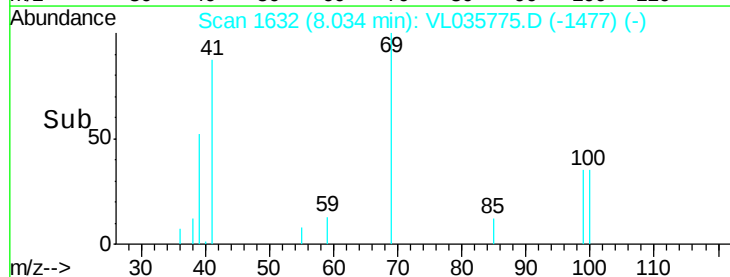
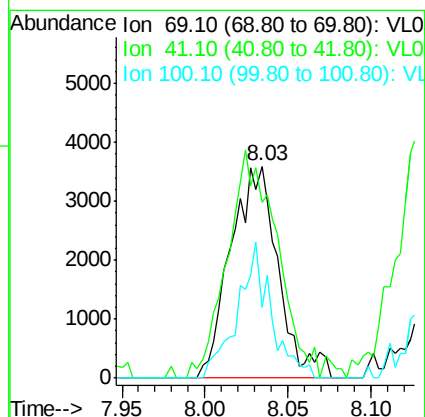
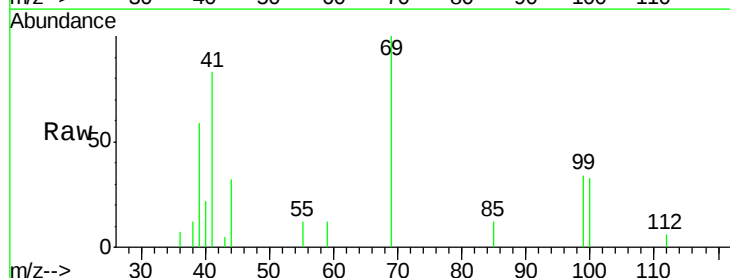
RT: 8.03 min Scan# 1632

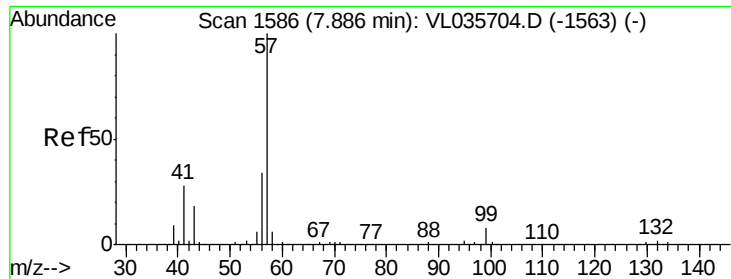
Delta R.T. -0.00 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Tgt Ion:	69	Resp:	7158
Ion	Ratio	Lower	Upper
69	100		
41	115.3	79.8	119.6
100	0.0	30.6	46.0#





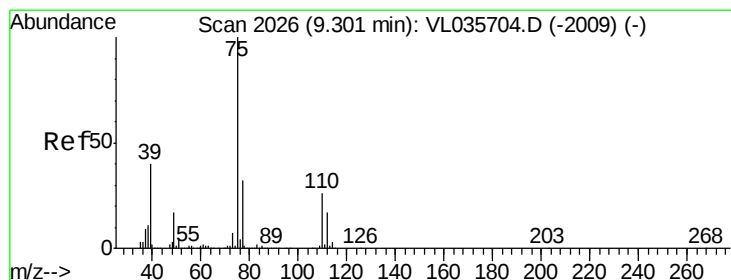
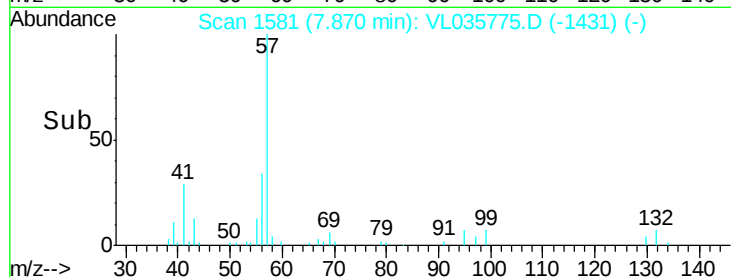
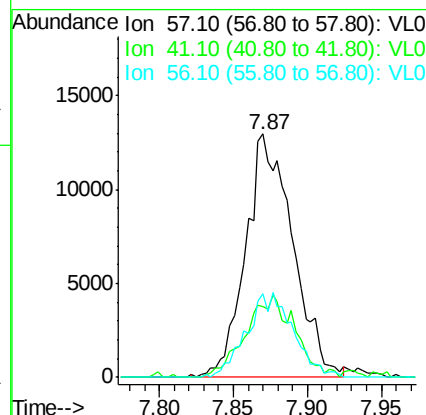
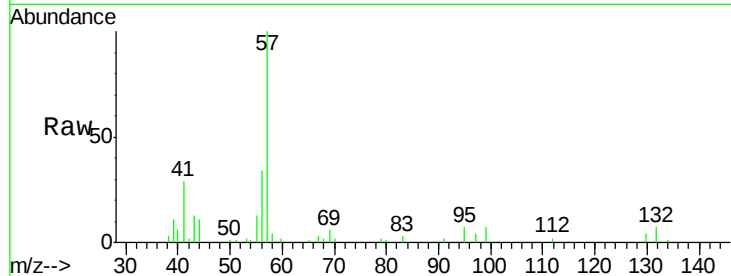
#44
2,2,4-Trimethylpentane
Concen: 0.078 ppbv m
RT: 7.87 min Scan# 1581
Delta R.T. -0.02 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
57	100		
41	0.0	21.2	31.8#
56	0.0	25.8	38.8#

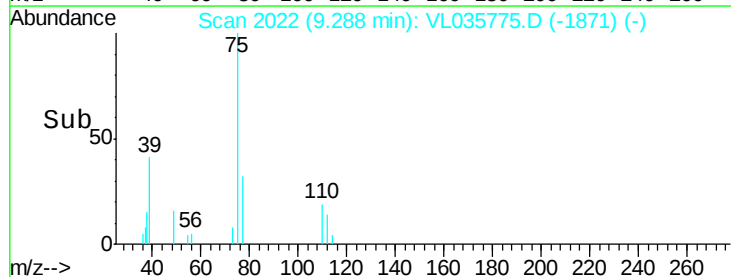
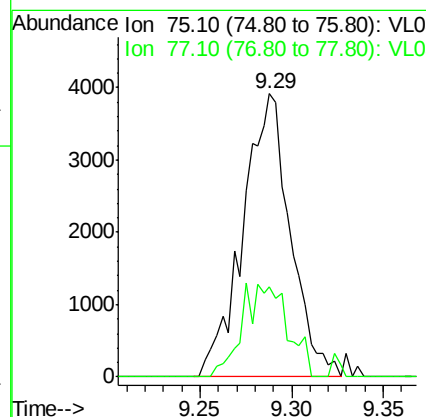
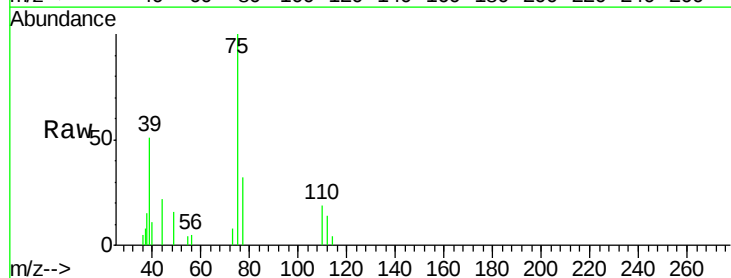
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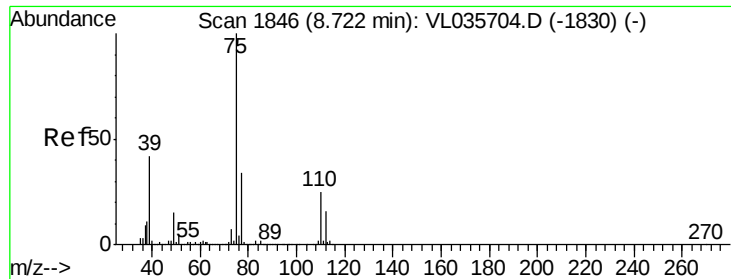
MMDadoda
10/14/2020 2:12:03 PM



#45
t-1,3-Dichloropropene
Concen: 0.068 ppbv m
RT: 9.29 min Scan# 2022
Delta R.T. -0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.9	38.9





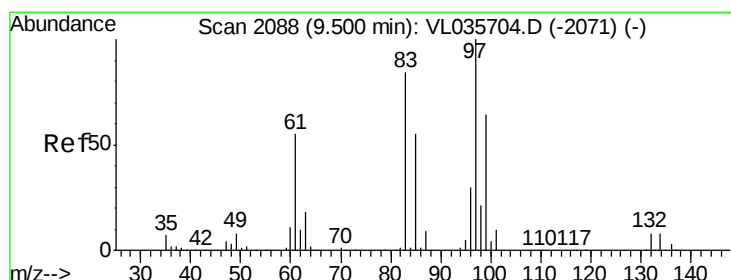
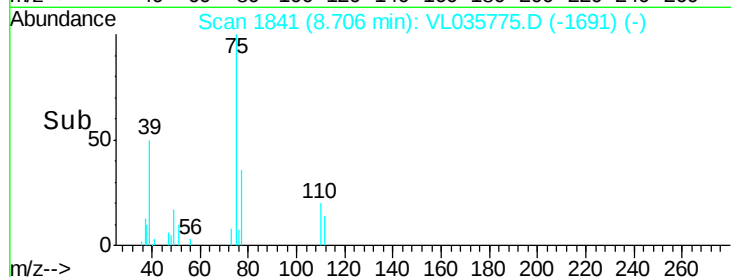
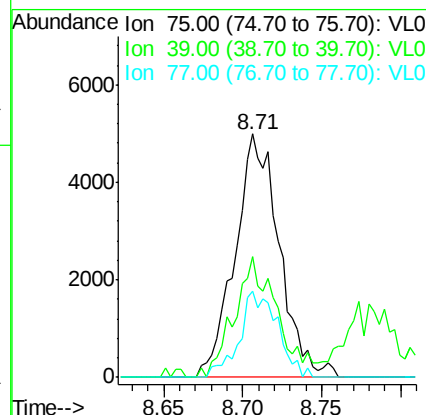
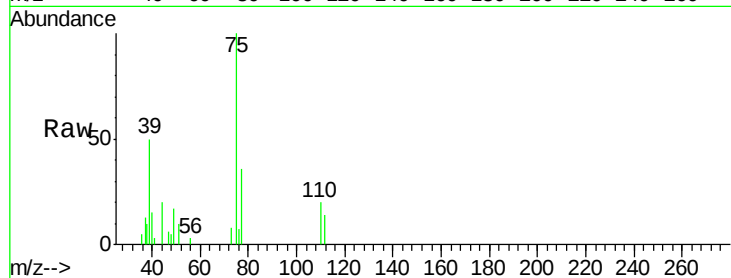
#46
 cis-1,3-Dichloropropene
 Concen: 0.076 ppbv m
 RT: 8.71 min Scan# 1841
 Delta R.T. -0.02 min
 Lab File: VL035775.D
 Acq: 12 Oct 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
39	49.5	33.9	50.9
77	35.6	27.4	41.0

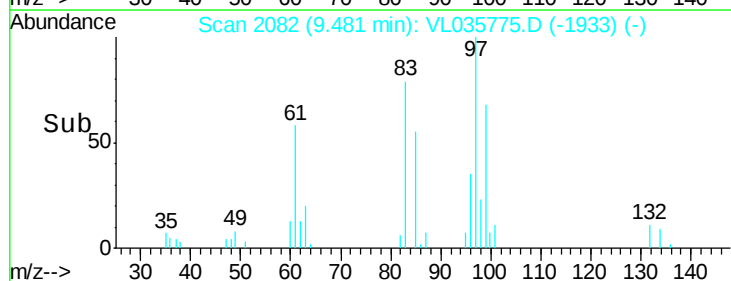
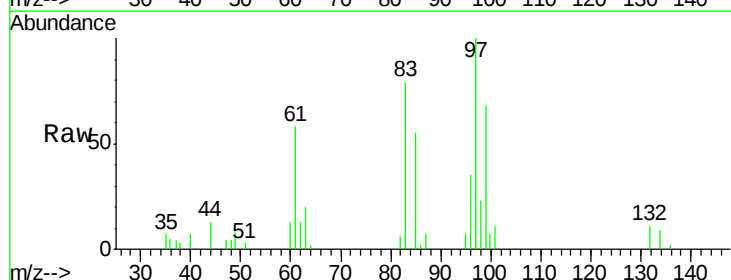
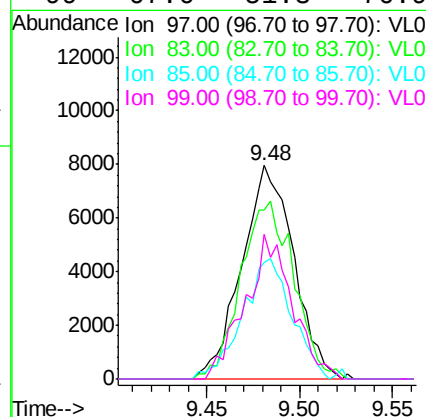
Manual Integrations
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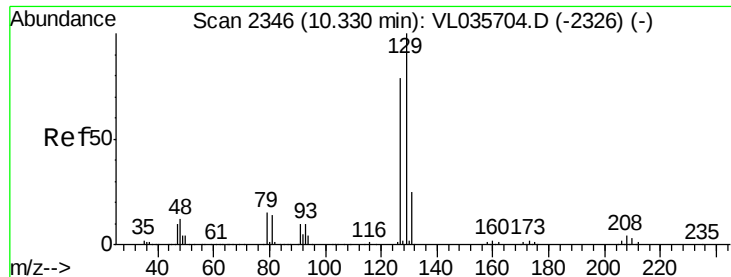
MMDadoda
 10/14/2020 2:12:03 PM



#47
 1,1,2-Trichloroethane
 Concen: 0.116 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.02 min
 Lab File: VL035775.D
 Acq: 12 Oct 2020 23:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.4	67.1	100.7
85	54.7	43.9	65.9
99	67.6	51.3	76.9





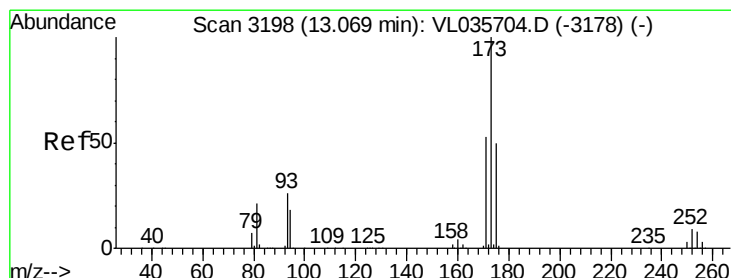
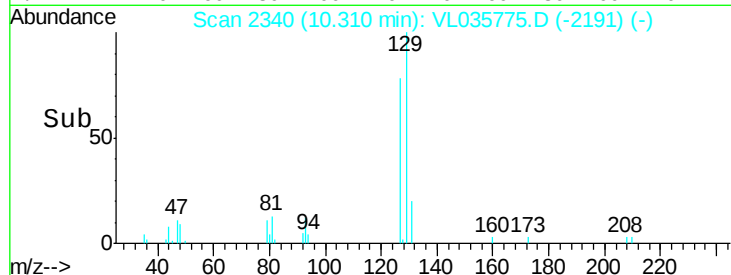
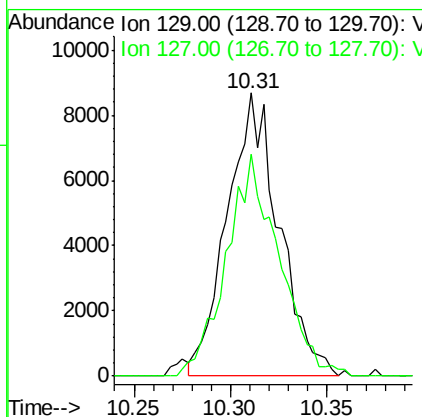
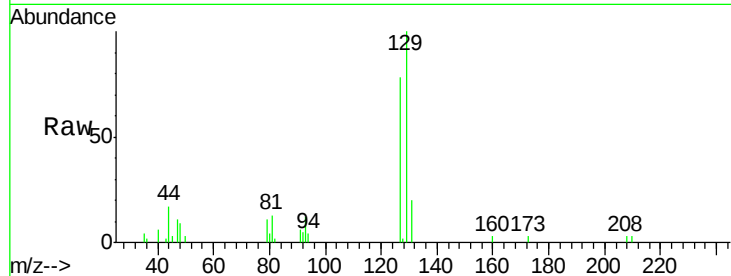
#48
Dibromochloromethane
Concen: 0.080 ppbv
RT: 10.31 min Scan# 2340
Delta R.T. -0.02 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.4	118.1

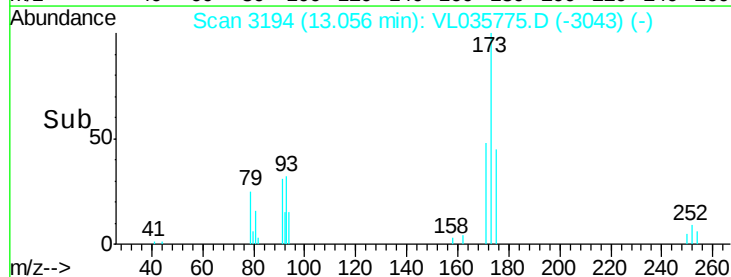
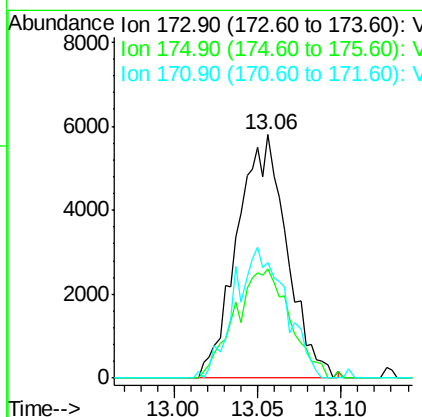
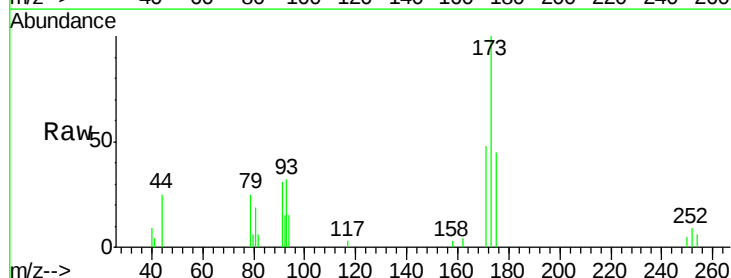
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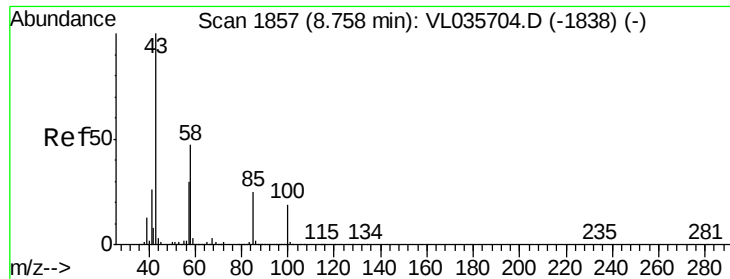
MMDadoda
10/14/2020 2:12:03 PM



#49
Bromoform
Concen: 0.069 ppbv m
RT: 13.06 min Scan# 3194
Delta R.T. -0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.8	59.6#
171	54.9	42.8	64.2





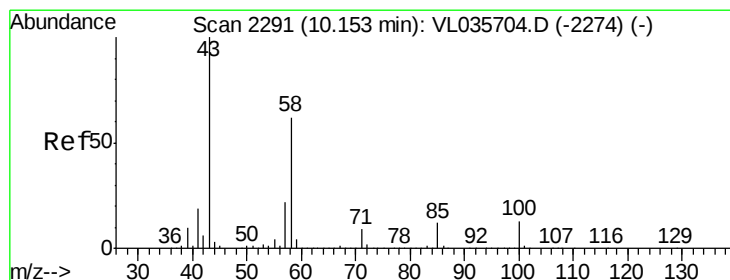
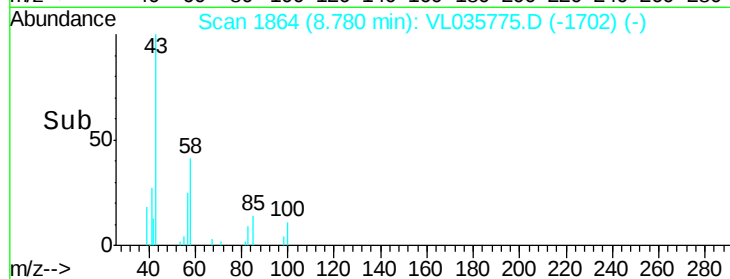
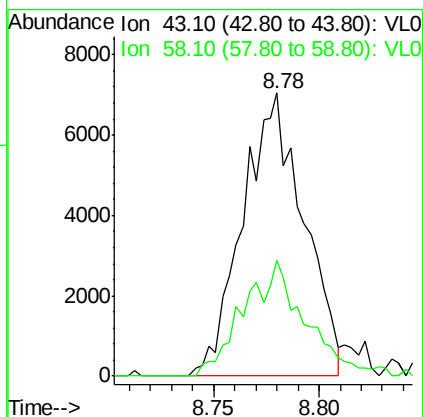
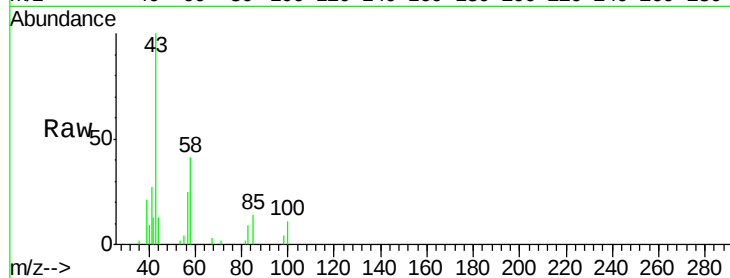
#50
4-Methyl-2-Pentanone
Concen: 0.075 ppbv
RT: 8.78 min Scan# 1864
Delta R.T. 0.02 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2020

Tot Ion	43	Resp	14204
Ion Ratio	Lower	Upper	
43	100		
58	41.7	36.6	54.8

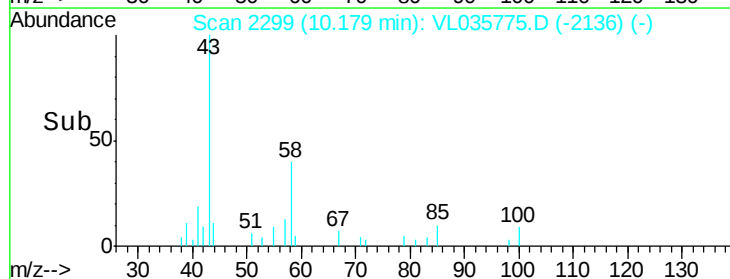
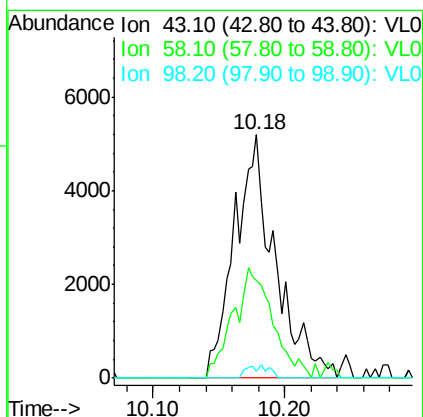
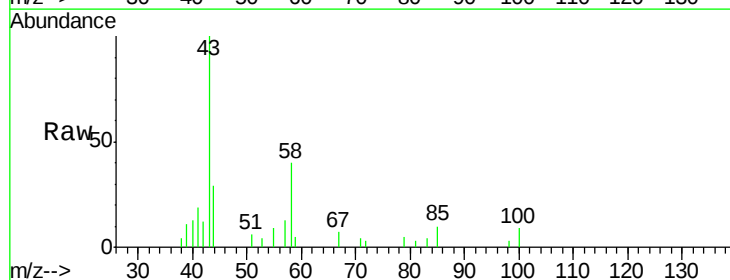
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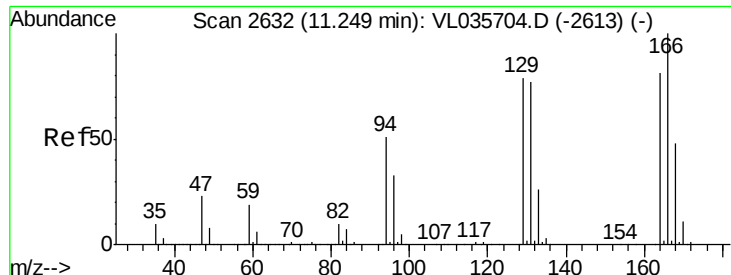
MMDadoda
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#51
2-Hexanone
Concen: 0.072 ppbv m
RT: 10.18 min Scan# 2299
Delta R.T. 0.03 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Tgt Ion	43	Resp	11039
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
43	100		
58	0.0	48.7	73.1#
98	0.0	0.7	1.1#





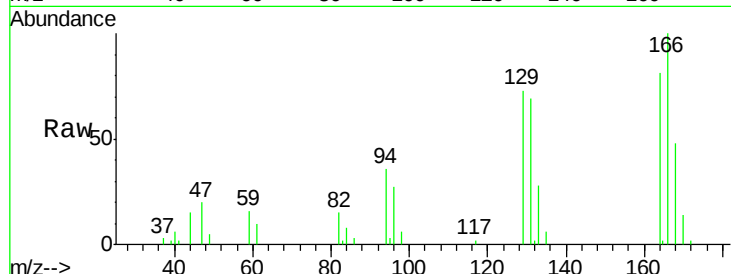
#52
Tetrachloroethene
Concen: 0.109 ppbv m
RT: 11.23 min Scan# 2627
Delta R.T. -0.02 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2020

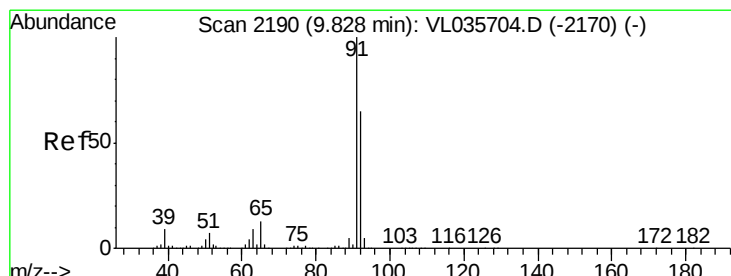
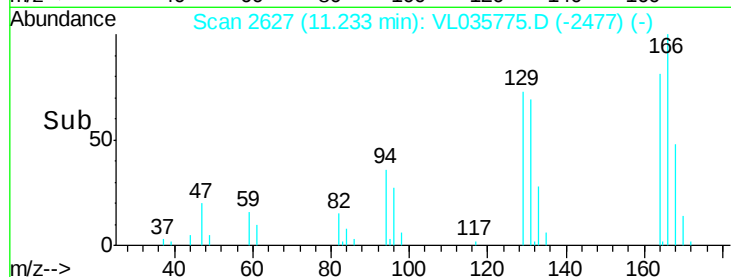
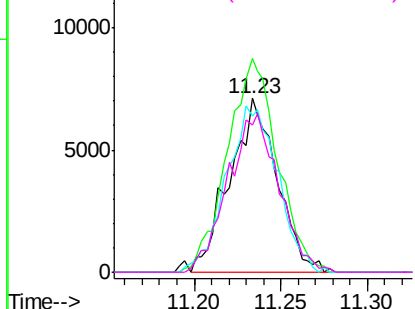
Tot Ion	Ratio	Lower	Upper
164	100		
166	122.9	98.7	148.1
129	89.8	78.4	117.6
131	84.8	76.2	114.2

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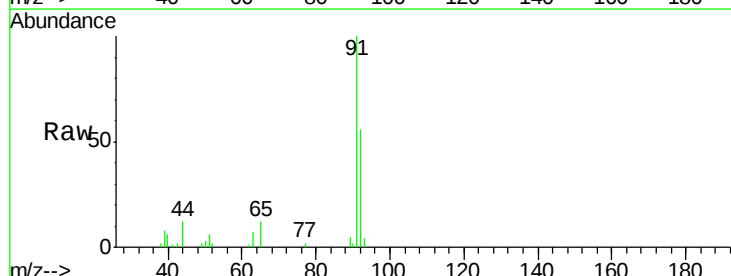


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V

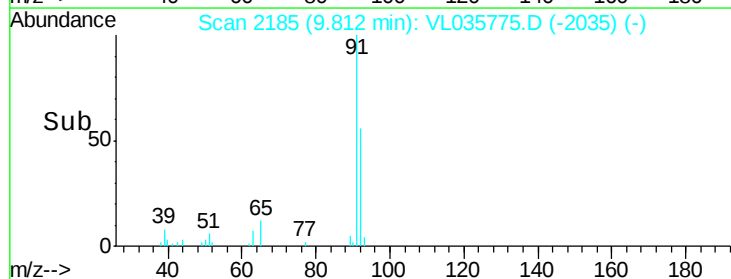
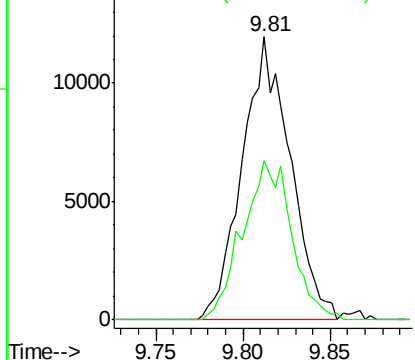


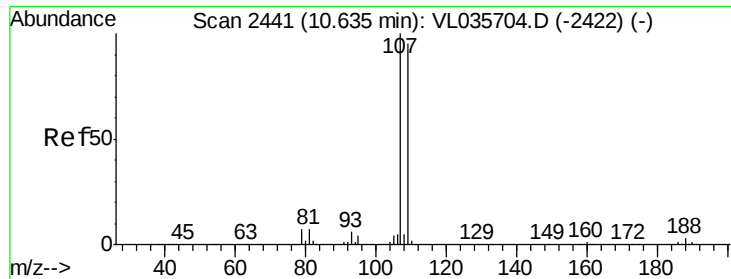
#53
Toluene
Concen: 0.075 ppbv m
RT: 9.81 min Scan# 2185
Delta R.T. -0.02 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.2	50.0	75.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0





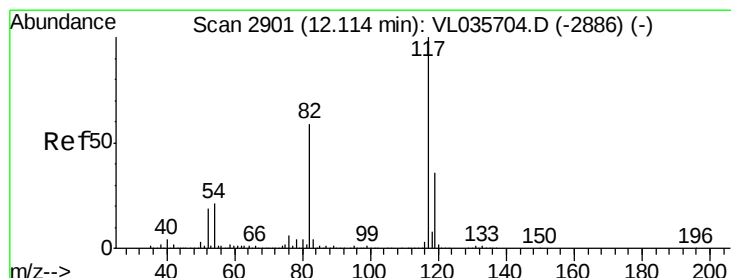
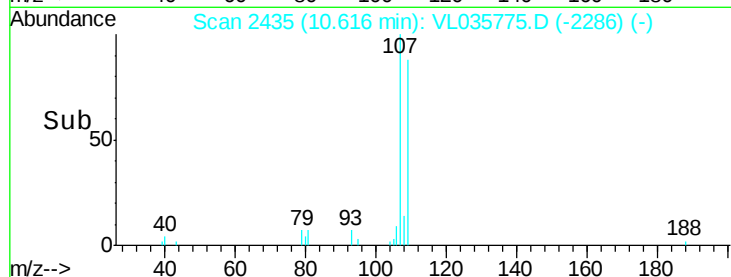
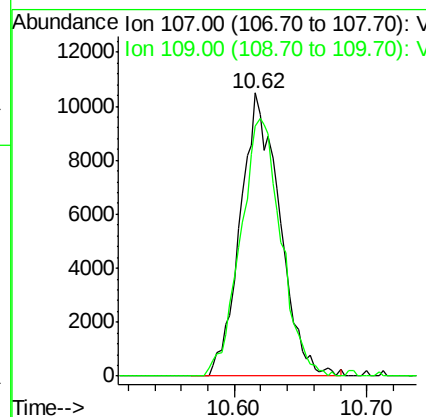
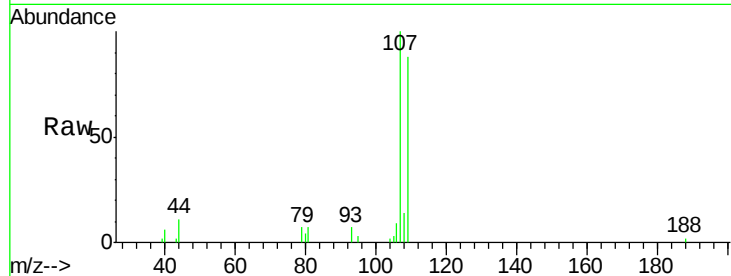
#54
 1,2-Dibromoethane
 Concen: 0.108 ppbv
 RT: 10.62 min Scan# 2435
 Delta R.T. -0.02 min
 Lab File: VL035775.D
 Acq: 12 Oct 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2020

Tot Ion:107 Resp: 21570
 Ion Ratio Lower Upper
 107 100
 109 88.5 76.0 114.0

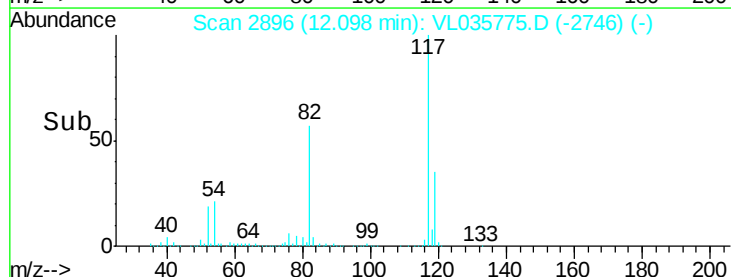
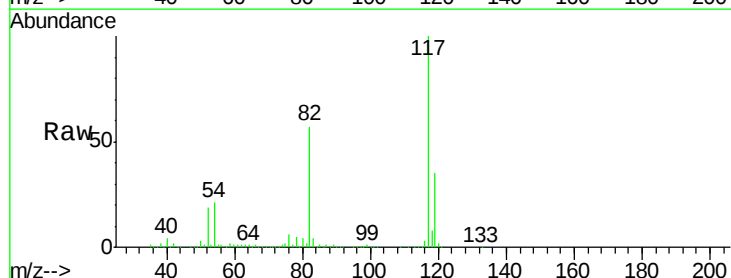
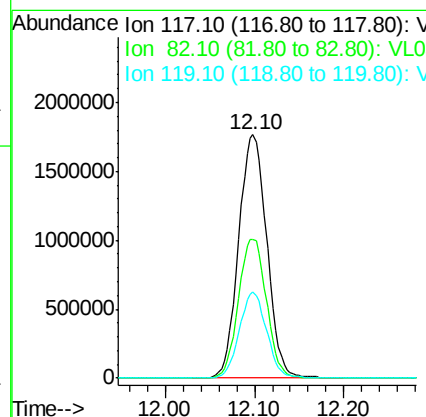
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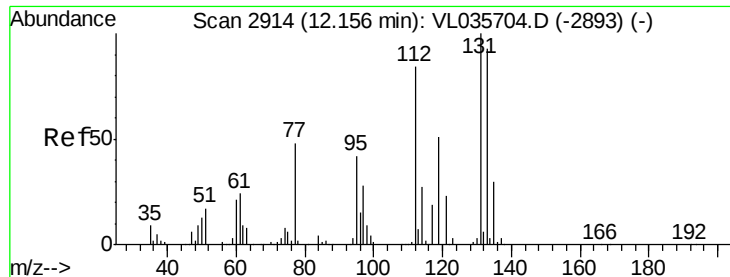
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 10/14/2020 2:12:03 PM



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2896
 Delta R.T. -0.02 min
 Lab File: VL035775.D
 Acq: 12 Oct 2020 23:37

Tgt Ion:117 Resp: 3876919
 Ion Ratio Lower Upper
 117 100
 82 57.1 46.1 69.1
 119 34.3 28.0 42.0





#56

1,1,1,2-Tetrachloroethane

Concen: 0.108 ppbv m

RT: 12.13 min Scan# 2907

Delta R.T. -0.02 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Instrument :

MSVOA_L

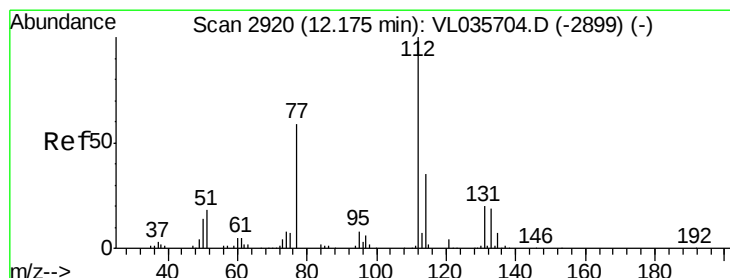
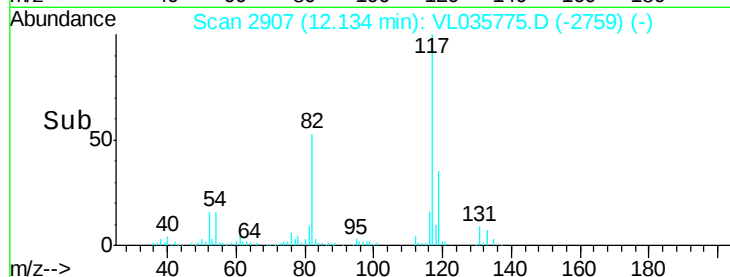
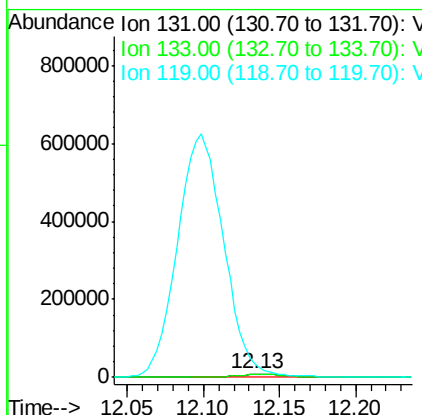
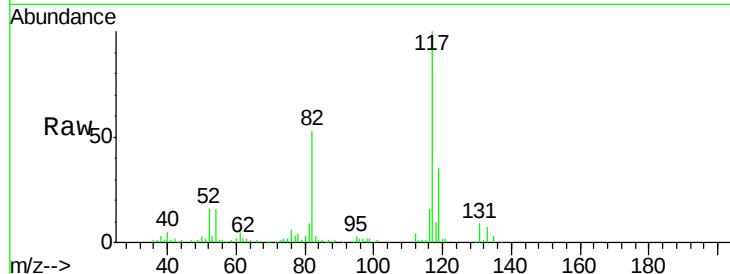
ClientSampleId :

LOD-MDL-AIR-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.5	76.2	114.4
119	0.0	52.4	78.6#

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#57

Chlorobenzene

Concen: 0.132 ppbv

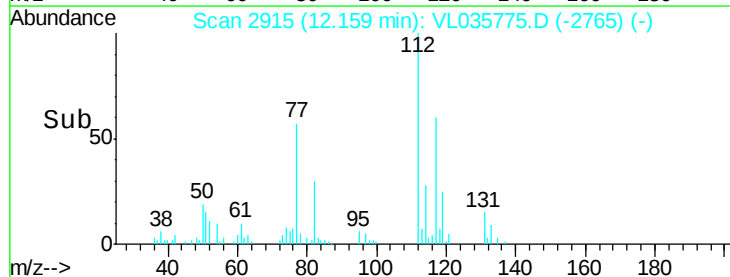
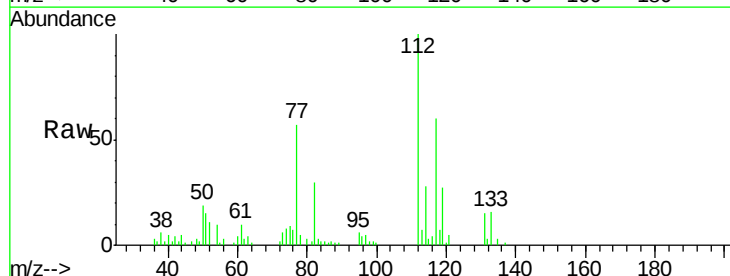
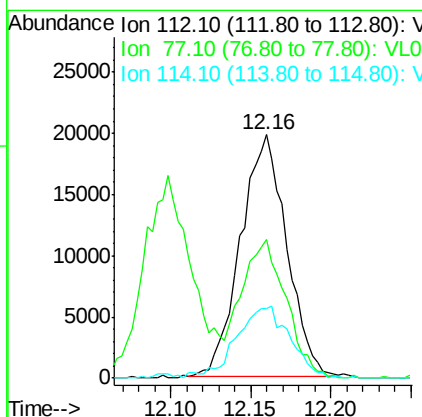
RT: 12.16 min Scan# 2915

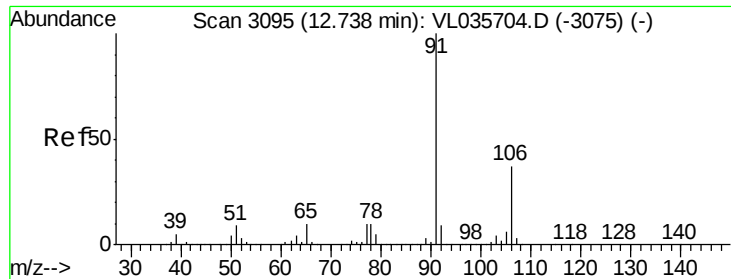
Delta R.T. -0.02 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.7	48.2	72.2
114	27.9	31.9	39.1#





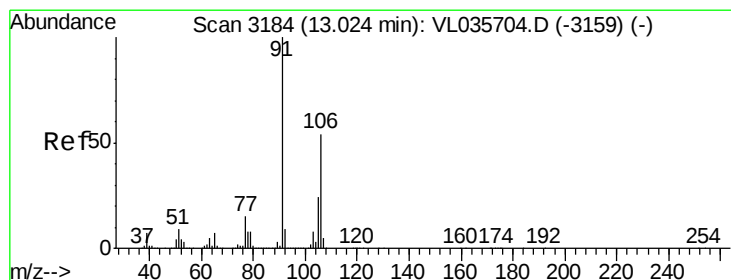
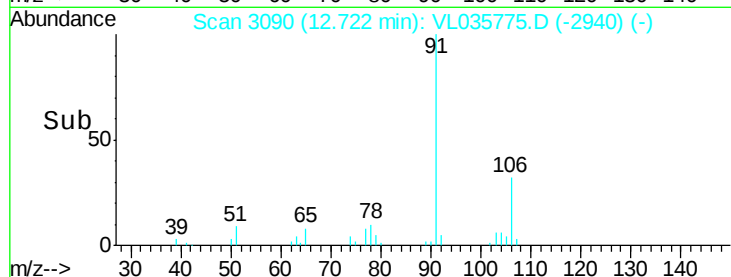
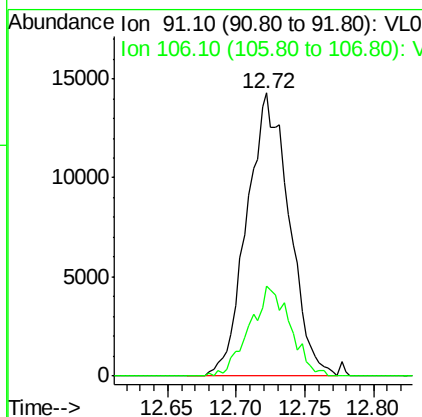
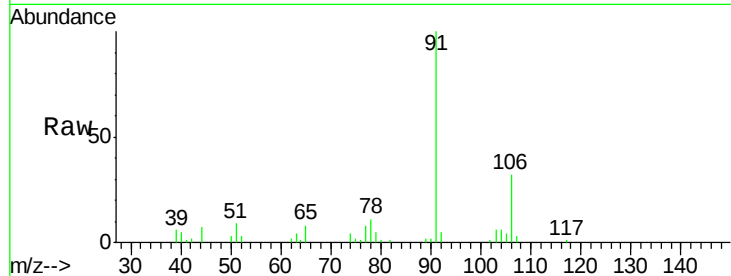
#58
Ethyl Benzene
Concen: 0.078 ppbv m
RT: 12.72 min Scan# 3090
Delta R.T. -0.02 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2020

Tot Ion: 91 Resp: 30521
Ion Ratio Lower Upper
91 100
106 31.6 29.7 44.5

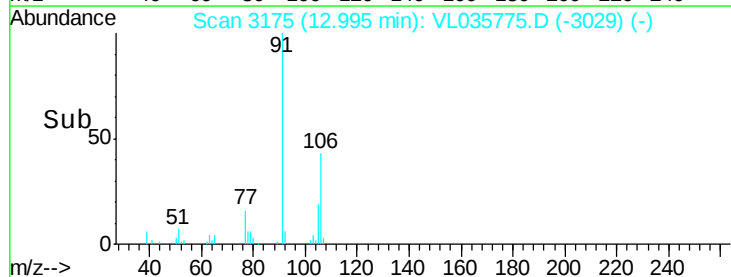
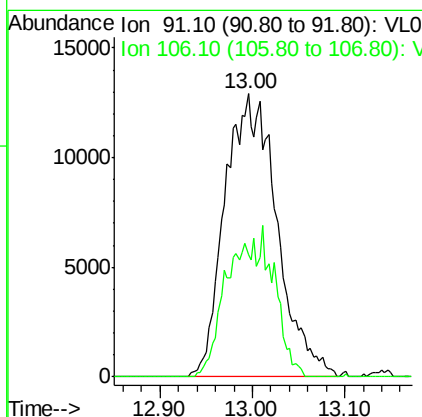
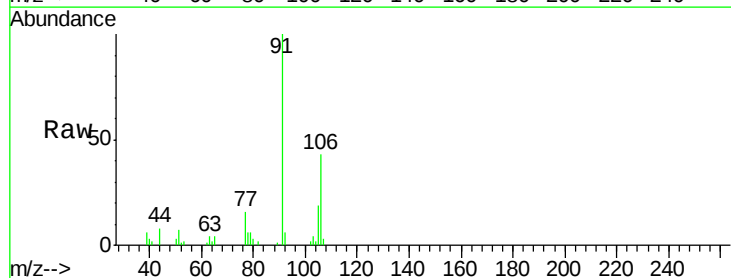
Manual Integrations
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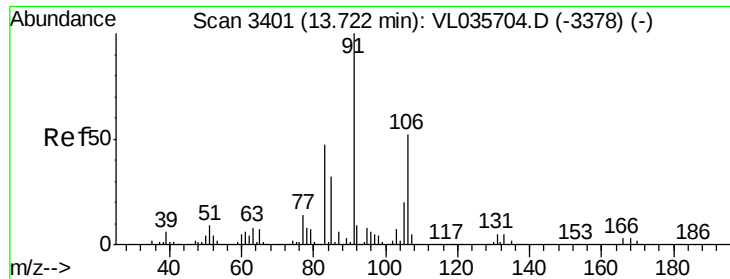
MMDadoda
10/14/2020 2:12:03 PM



#59
m/p-Xylene
Concen: 0.148 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. -0.03 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Tgt Ion: 91 Resp: 50381
Ion Ratio Lower Upper
91 100
106 46.7 41.4 62.0





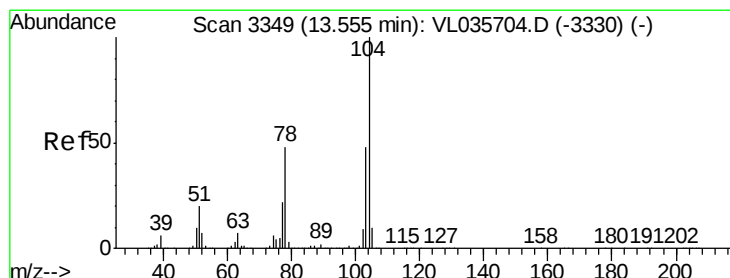
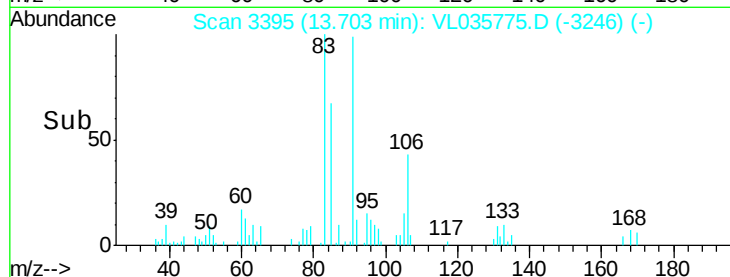
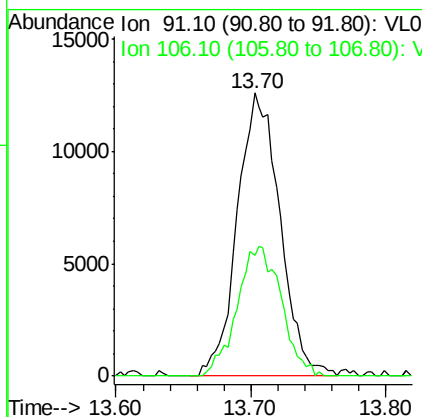
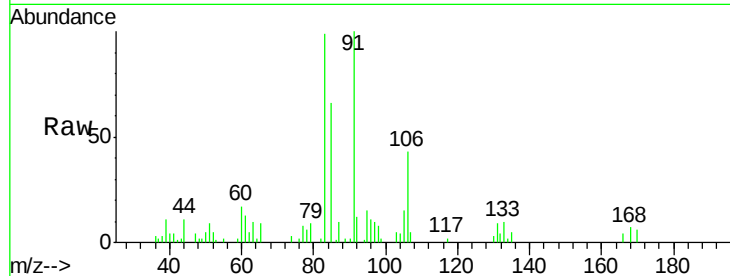
#60
o-Xylene
Concen: 0.080 ppbv m
RT: 13.70 min Scan# 3395
Delta R.T. -0.02 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2020

Tot Ion: 91 Resp: 27601
Ion Ratio Lower Upper
91 100
106 47.5 25.0 75.0

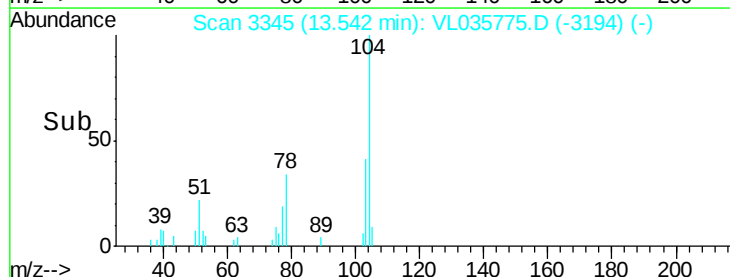
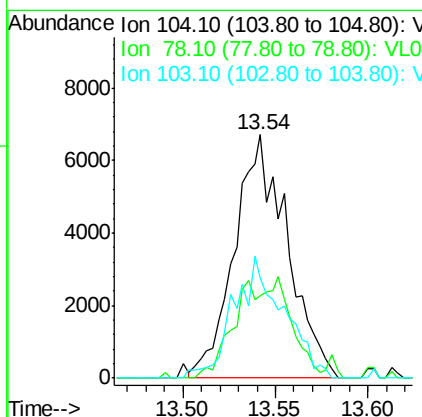
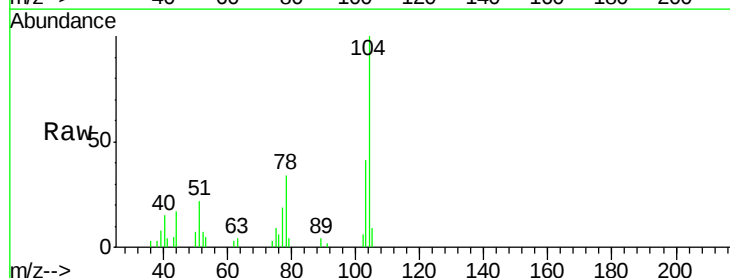
Manual Integrations
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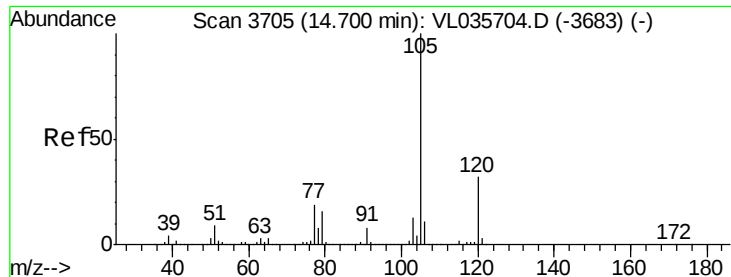
MMDadoda
10/14/2020 2:12:03 PM



#61
Styrene
Concen: 0.056 ppbv
RT: 13.54 min Scan# 3345
Delta R.T. -0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Tgt Ion: 104 Resp: 13288
Ion Ratio Lower Upper
104 100
78 44.8 37.2 55.8
103 47.2 38.2 57.2





#62

Isopropylbenzene

Concen: 0.081 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. -0.01 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2020

Tot Ion: 105 Resp: 43435

Ion Ratio Lower Upper

105 100

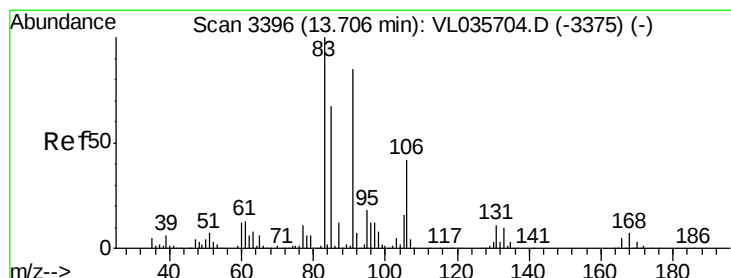
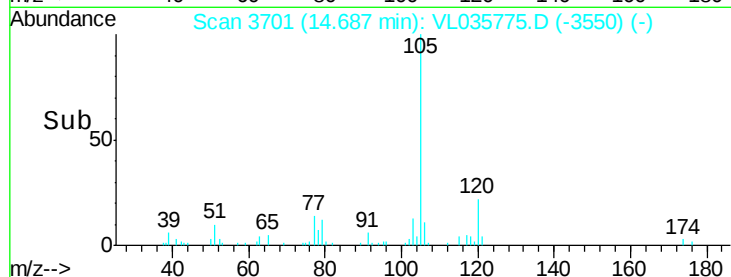
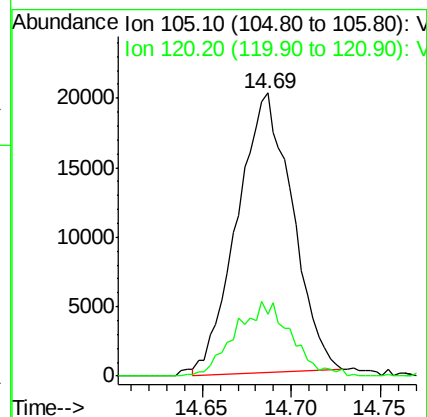
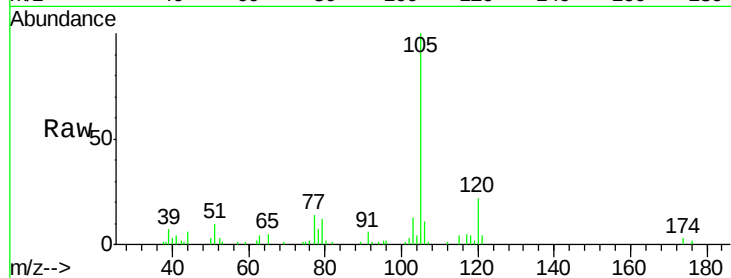
120 27.1 24.1 36.1

Manual Integrations

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#63

1,1,2,2-Tetrachloroethane

Concen: 0.114 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

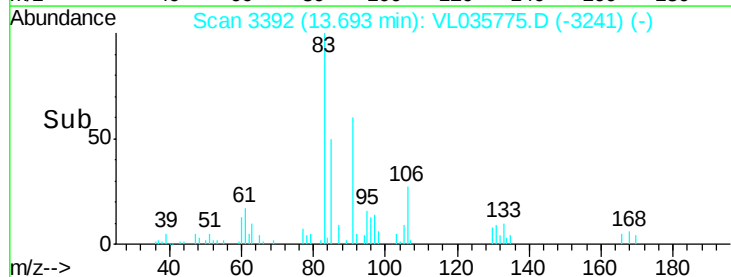
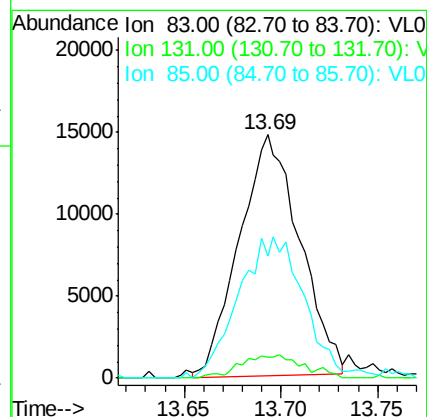
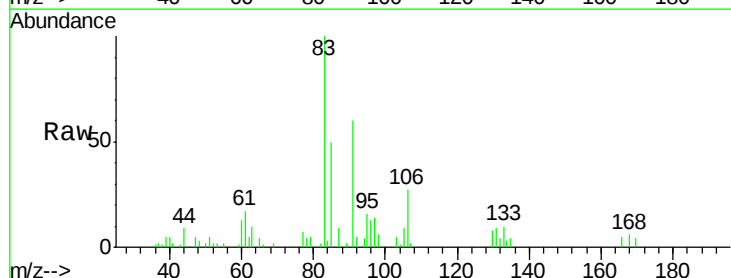
Tgt Ion: 83 Resp: 32017

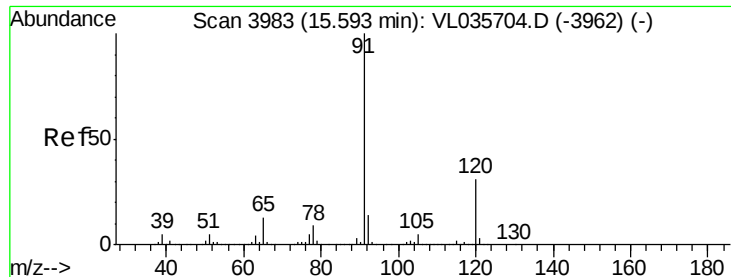
Ion Ratio Lower Upper

83 100

131 9.9 5.3 16.1

85 64.8 33.4 100.2





#64

n-propylbenzene

Concen: 0.061 ppbv m

RT: 15.58 min Scan# 3978

Delta R.T. -0.02 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2020

Tot Ion:120 Resp: 9470

Ion Ratio Lower Upper

120 100

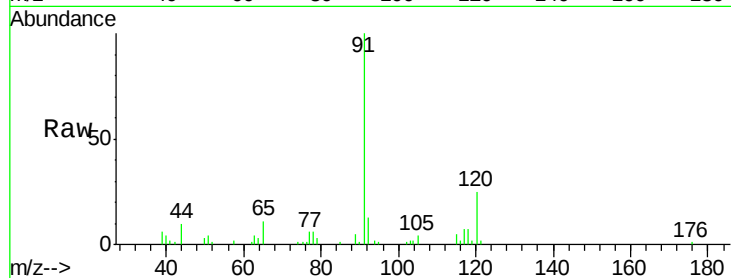
91 0.0 300.4 450.6#

Manual Integrations

APPROVED

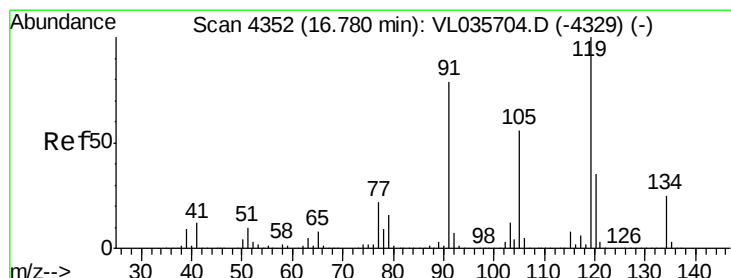
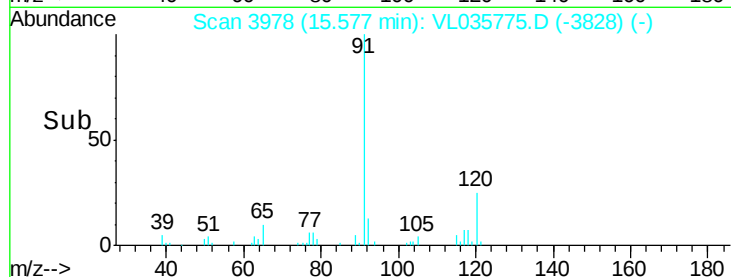
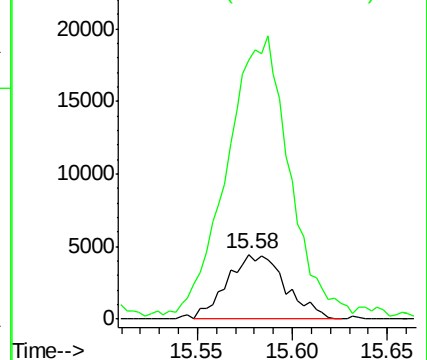
MMDadoda

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Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.067 ppbv m

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

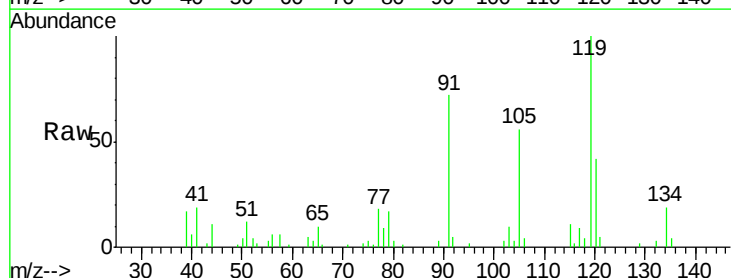
Tgt Ion:119 Resp: 32379

Ion Ratio Lower Upper

119 100

91 79.2 62.4 93.6

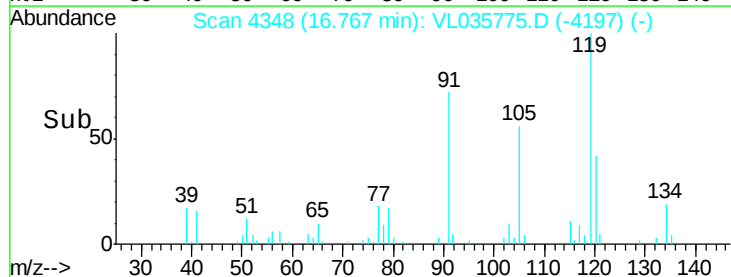
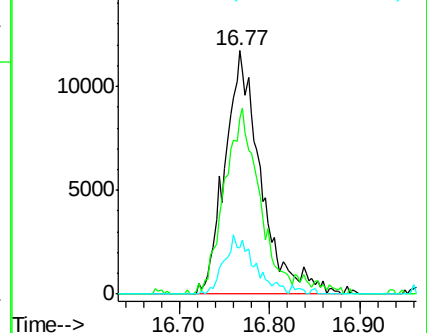
134 20.5 18.2 27.2

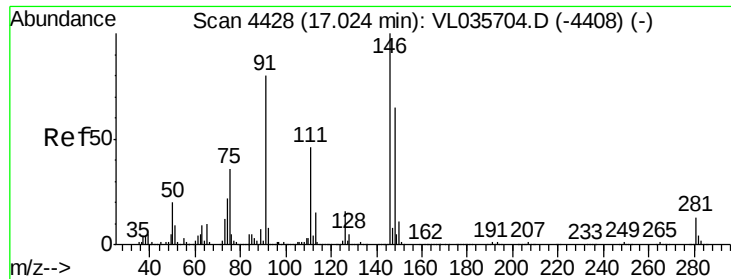


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





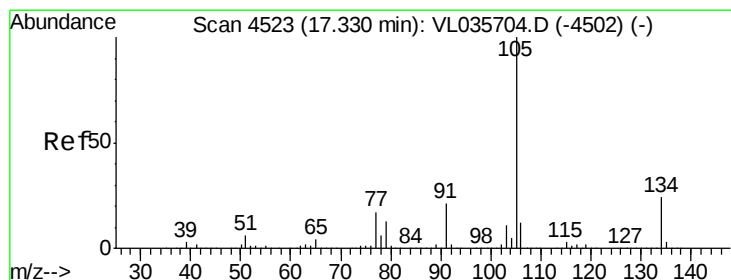
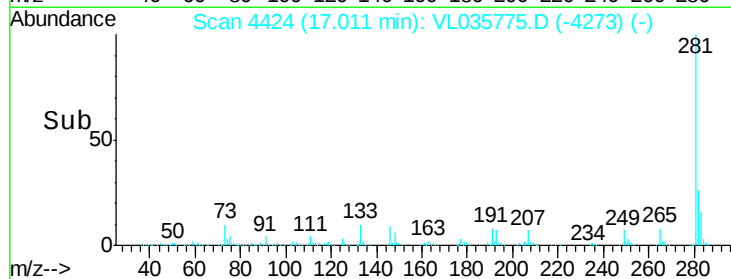
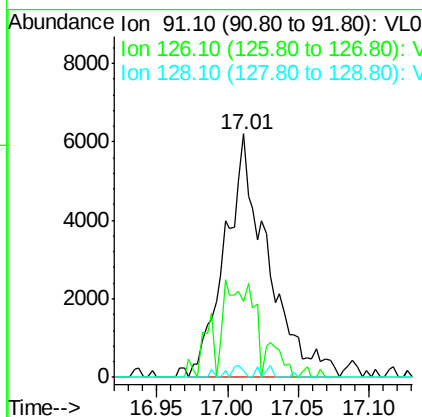
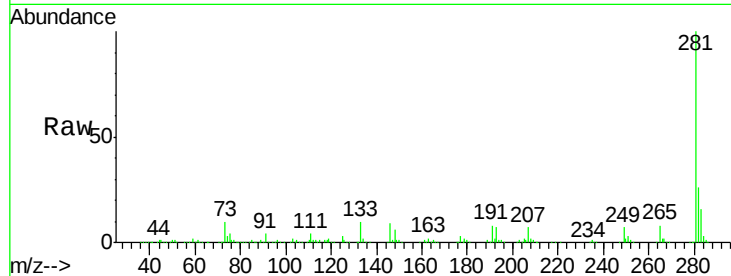
#66
Benzyl Chloride
Concen: 0.088 ppbv m
RT: 17.01 min Scan# 4424
Delta R.T. -0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
91	100		
126	39.9	15.3	22.9#
128	0.0	5.0	7.4#

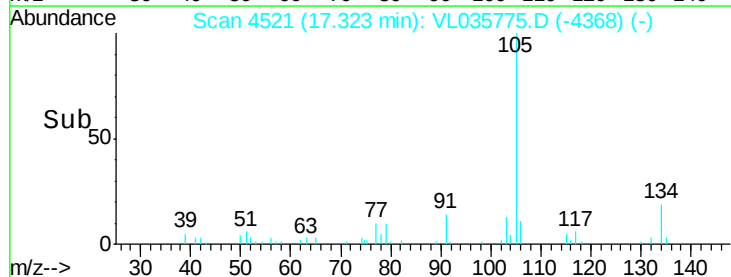
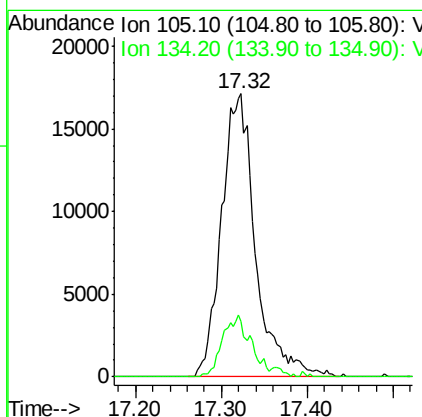
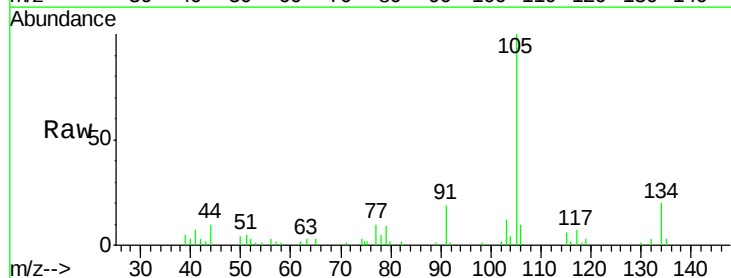
Manual Integrations
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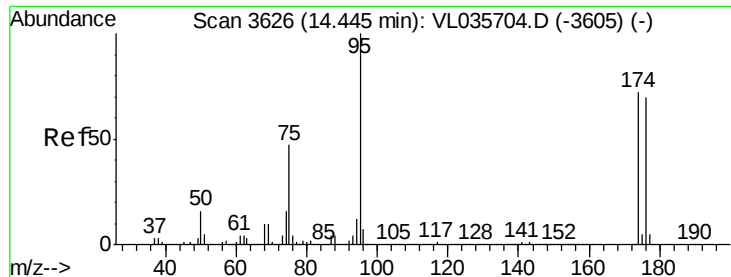
MMDadoda
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#67
sec-Butylbenzene
Concen: 0.070 ppbv m
RT: 17.32 min Scan# 4521
Delta R.T. -0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Tgt Ion	Ratio	Lower	Upper
105	100		
134	0.0	17.6	26.4#





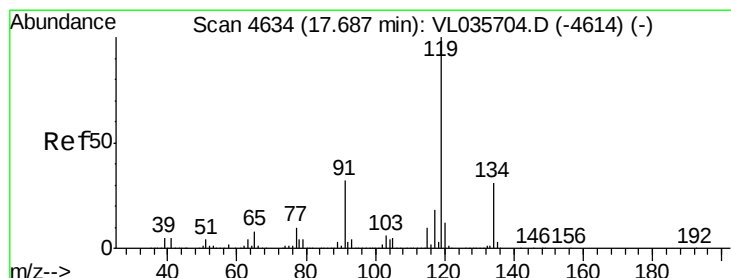
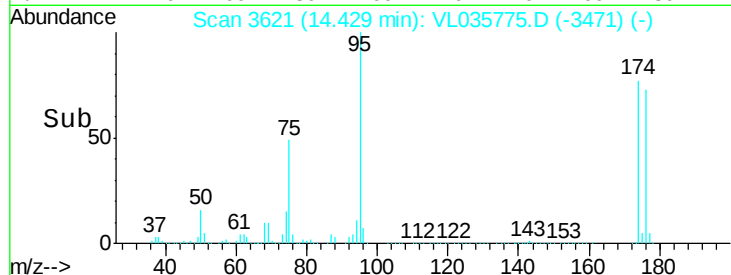
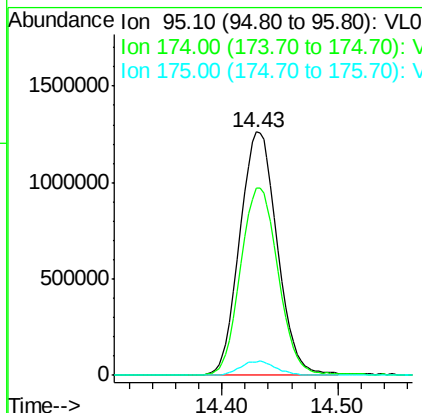
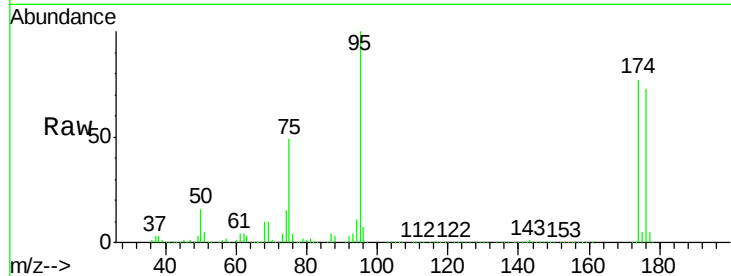
#68
1-Bromo-4-Fluorobenzene
Concen: 9.772 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.02 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2020

Tot Ion: 95 Resp: 2839006
Ion Ratio Lower Upper
95 100
174 78.6 59.6 89.4
175 5.6 4.2 6.4

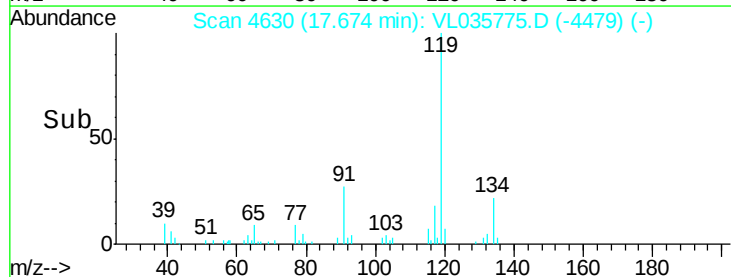
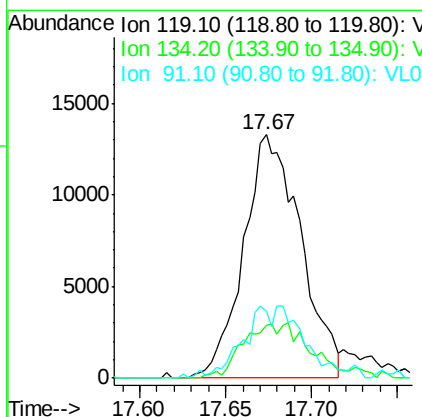
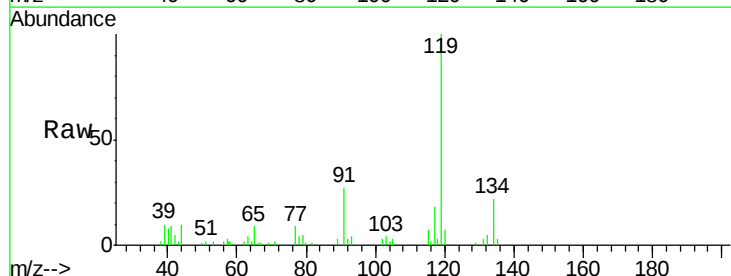
Manual Integrations
APPROVED

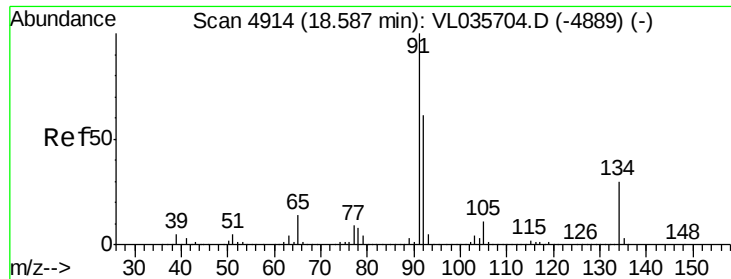
MMDadoda
10/14/2020 2:12:03 PM



#69
p-Isopropyltoluene
Concen: 0.056 ppbv
RT: 17.67 min Scan# 4630
Delta R.T. -0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Tgt Ion: 119 Resp: 30635
Ion Ratio Lower Upper
119 100
134 27.4 23.9 35.9
91 32.1 23.8 35.6





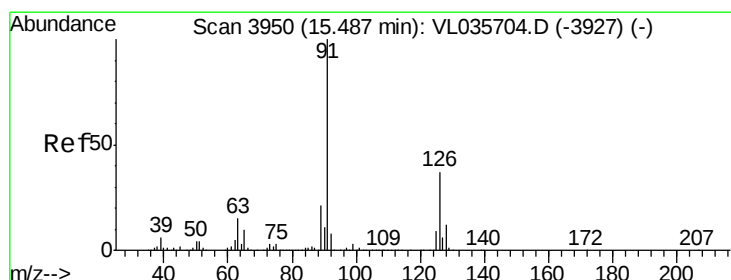
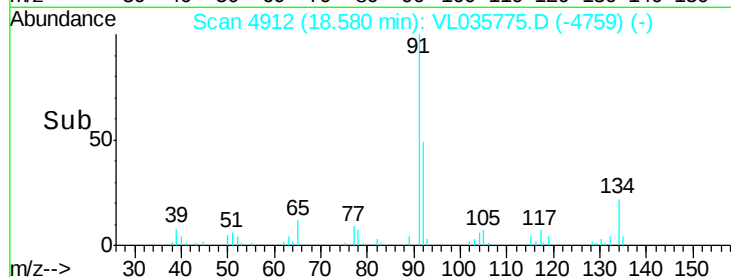
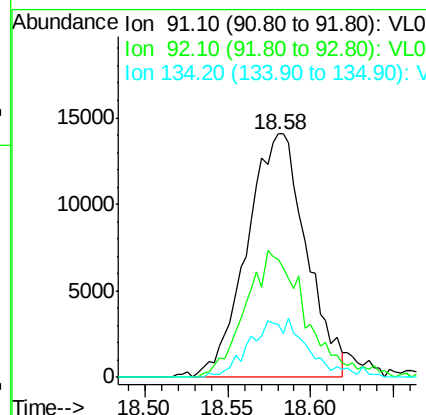
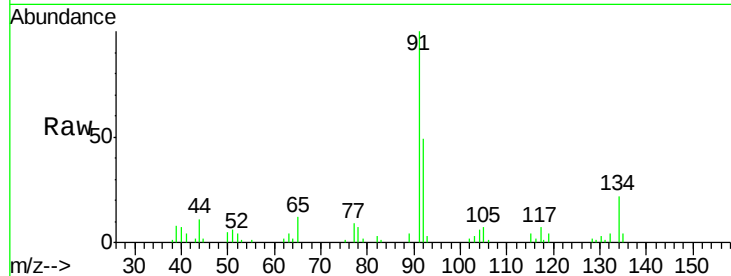
#70
n-Butylbenzene
Concen: 0.063 ppbv
RT: 18.58 min Scan# 4912
Delta R.T. -0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	47.0	70.4
134	23.6	21.9	32.9

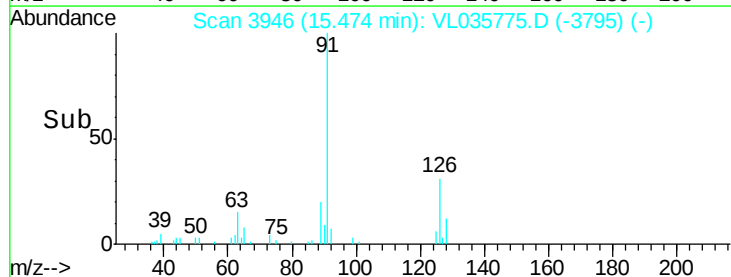
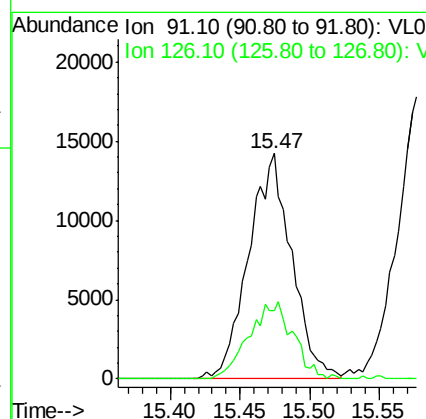
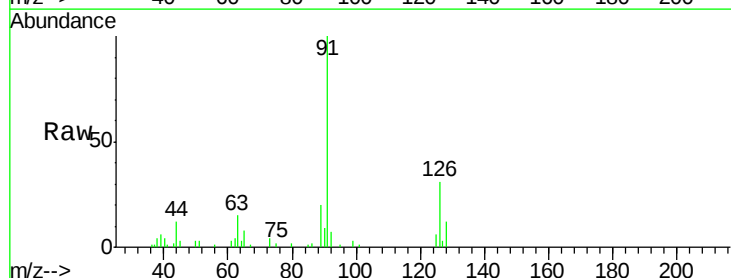
Manual Integrations
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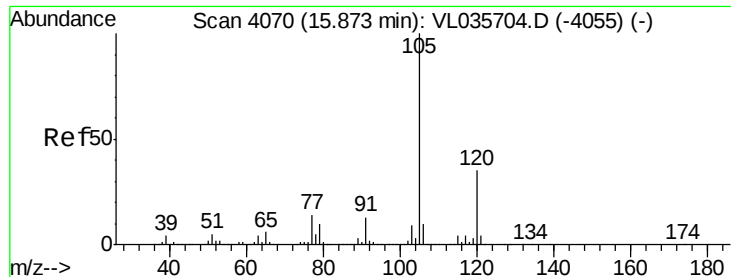
MMDadoda
10/14/2020 2:12:03 PM



#71
2-Chlorotoluene
Concen: 0.079 ppbv m
RT: 15.47 min Scan# 3946
Delta R.T. -0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.4	57.4#





#72

4-Ethyltoluene

Concen: 0.062 ppbv

RT: 15.86 min Scan# 4066

Delta R.T. -0.01 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Instrument :

MSVOA_L

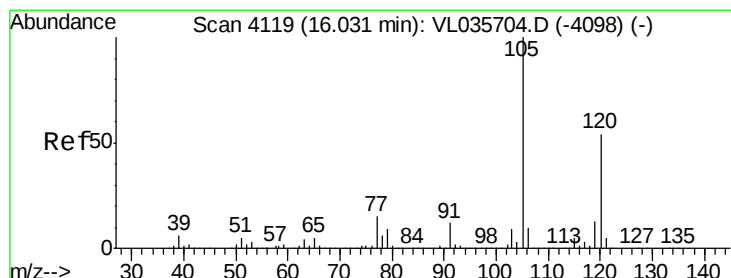
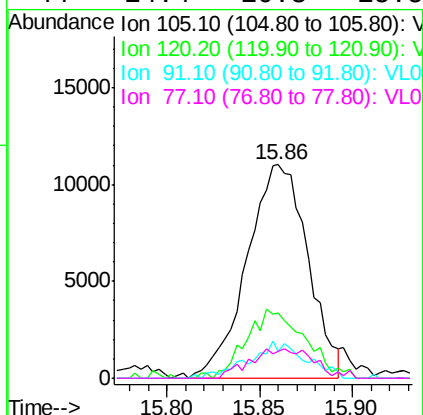
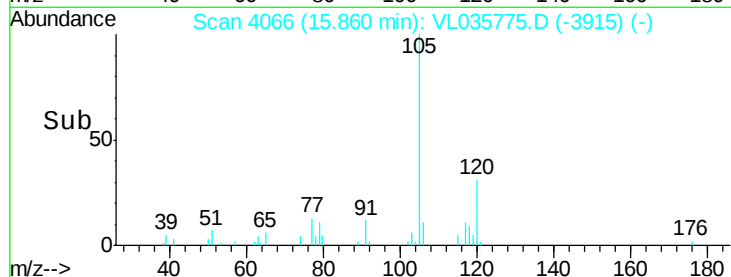
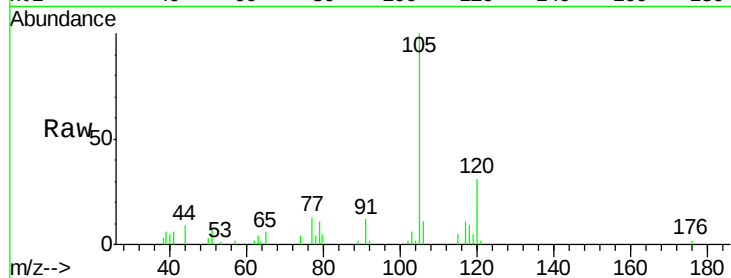
ClientSampleId :

LOD-MDL-AIR-01-QT4-2020

Tot Ion:	105	Resp:	25062
Ion Ratio	Lower	Upper	
105	100		
120	31.4	26.5	39.7
91	16.0	10.2	15.2
77	14.4	10.3	15.5

Manual Integrations
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#73

1,3,5-Trimethylbenzene

Concen: 0.061 ppbv m

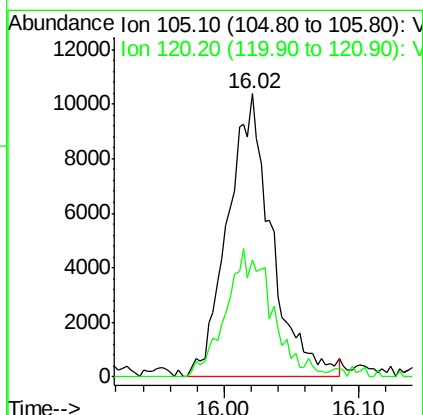
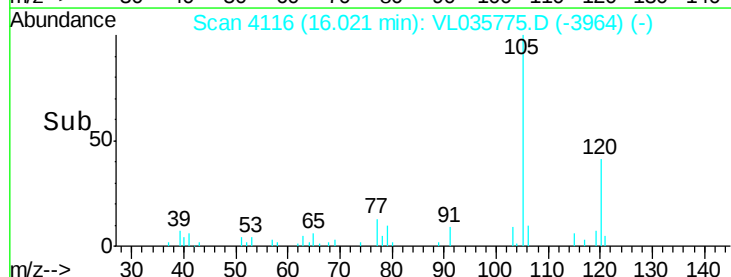
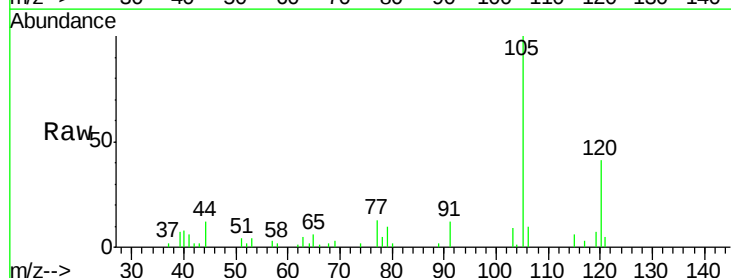
RT: 16.02 min Scan# 4116

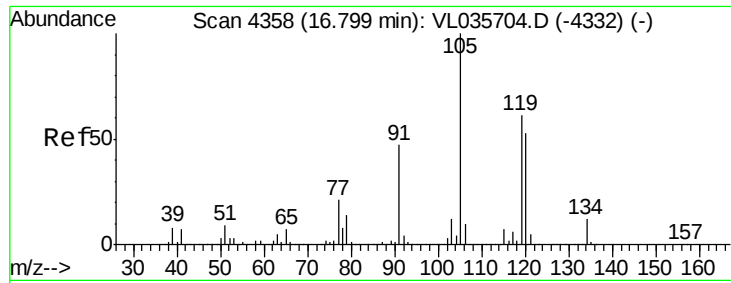
Delta R.T. -0.01 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Tgt Ion:	105	Resp:	23481
Ion Ratio	Lower	Upper	
105	100		
120	41.2	43.0	64.4





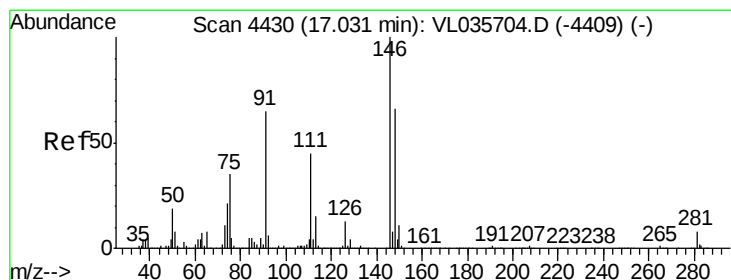
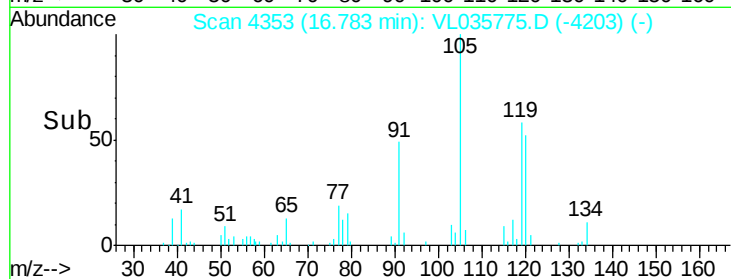
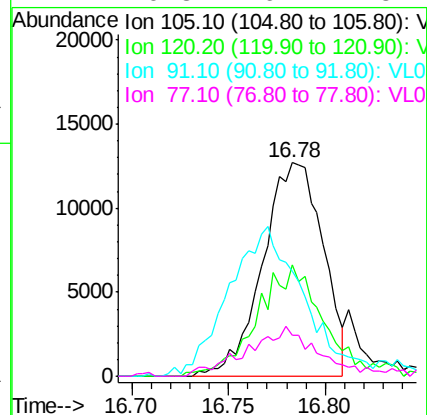
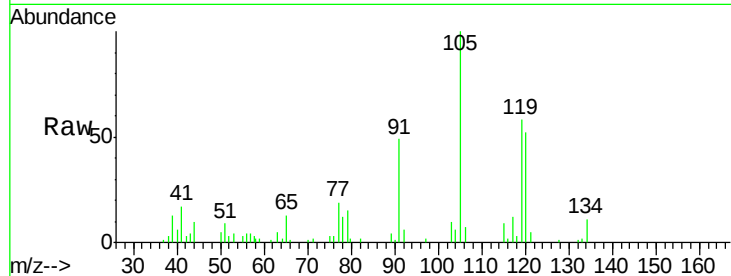
#74
 1,2,4-Trimethylbenzene
 Concen: 0.063 ppbv
 RT: 16.78 min Scan# 4353
 Delta R.T. -0.02 min
 Lab File: VL035775.D
 Acq: 12 Oct 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.7	42.5	63.7
91	43.3	37.7	56.5
77	16.3	16.7	25.1

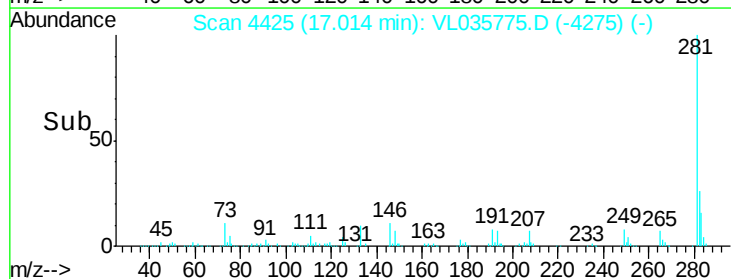
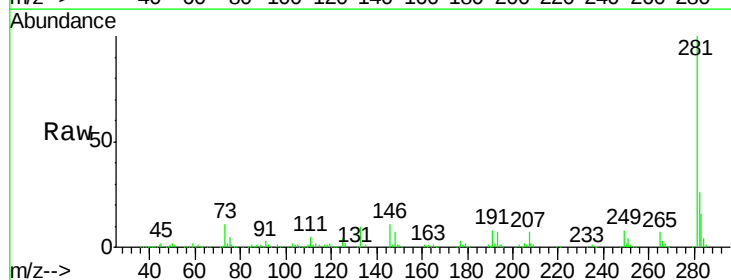
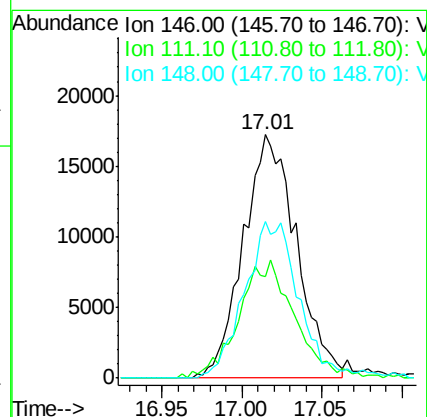
Manual Integrations
 APPROVED

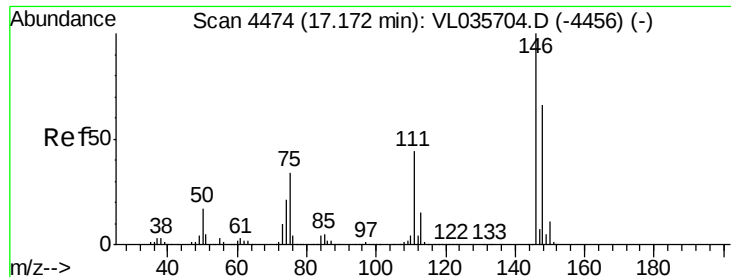
MMDadoda
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#75
 1,3-Dichlorobenzene
 Concen: 0.133 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T. -0.02 min
 Lab File: VL035775.D
 Acq: 12 Oct 2020 23:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.9	22.4	67.0
148	66.6	33.0	99.0





#76

1,4-Dichlorobenzene

Concen: 0.108 ppbv m

RT: 17.16 min Scan# 4470

Delta R.T. -0.01 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Instrument :

MSVOA_L

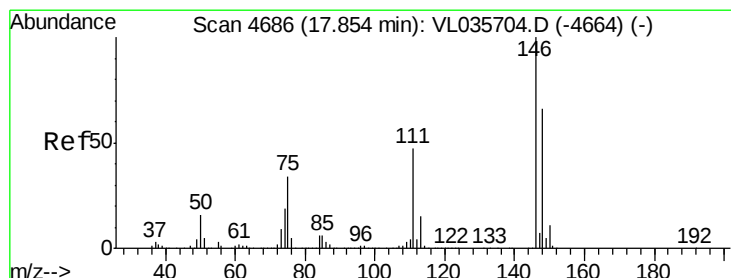
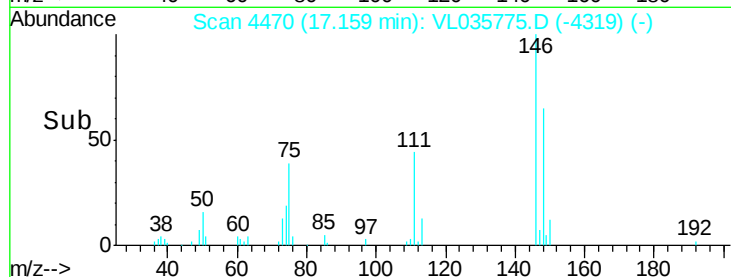
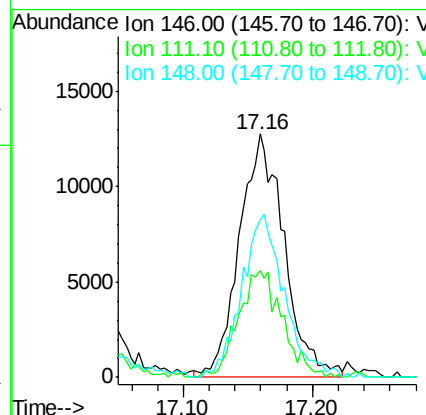
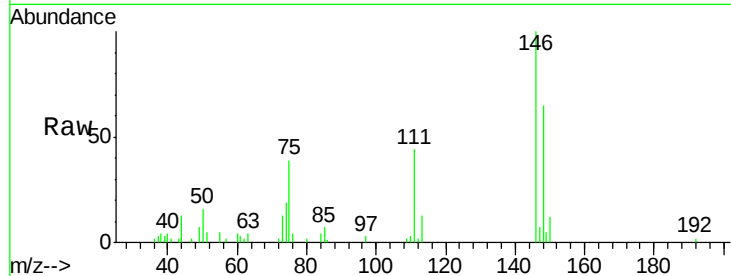
ClientSampleId :

LOD-MDL-AIR-01-QT4-2020

Tot Ion:	146	Resp:	30673
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.4	64.3
148	64.1	32.6	98.0

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#77

1,2-Dichlorobenzene

Concen: 0.104 ppbv m

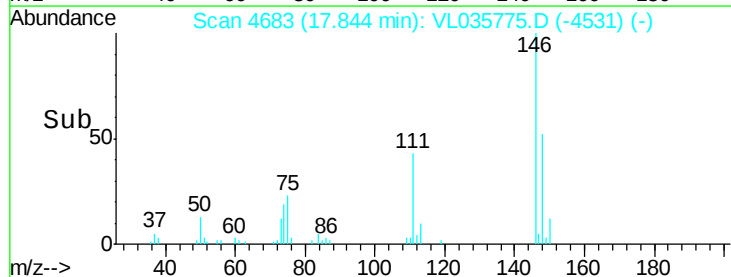
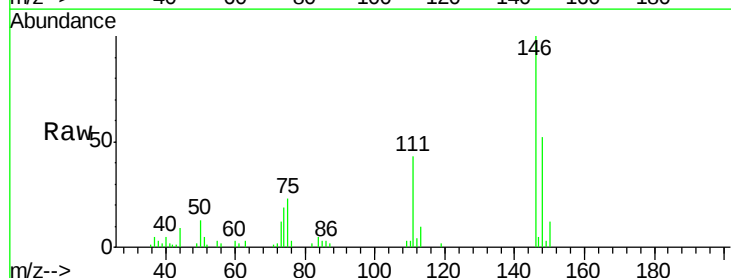
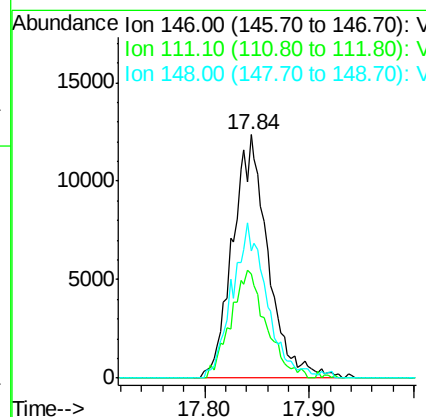
RT: 17.84 min Scan# 4683

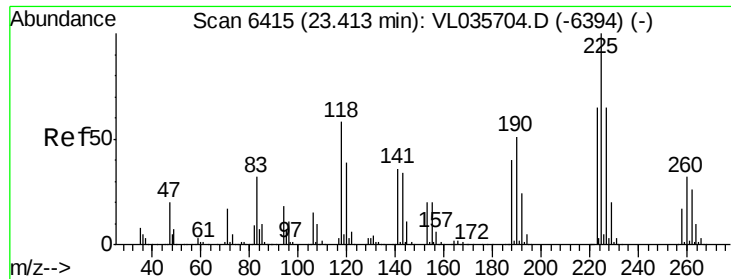
Delta R.T. -0.01 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Tgt Ion:	146	Resp:	29006
Ion Ratio	Lower	Upper	
146	100		
111	0.0	22.9	68.5#
148	0.0	32.6	98.0#





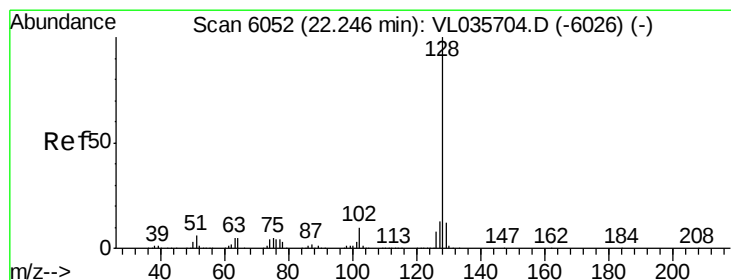
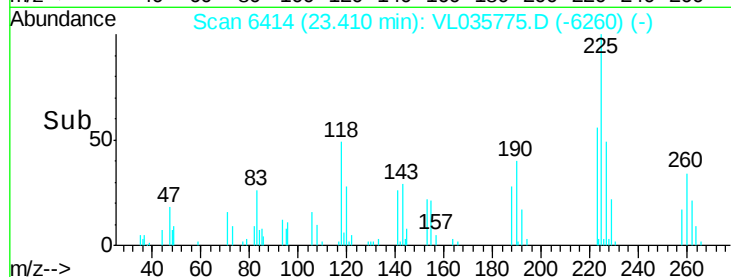
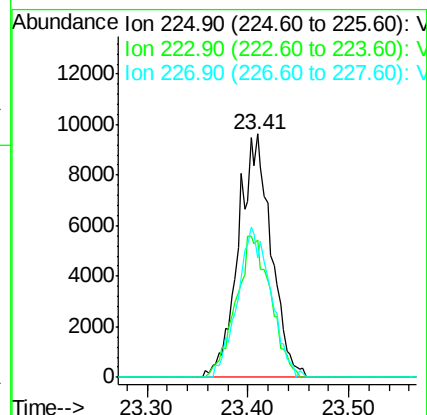
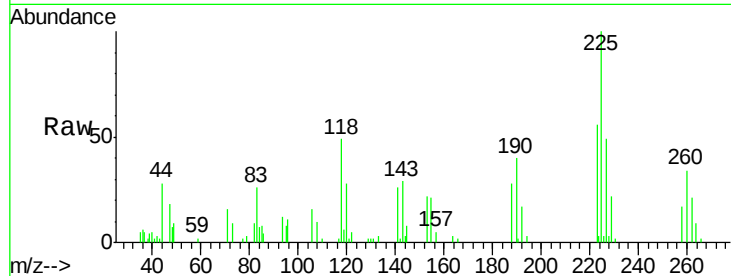
#78
Hexachloro-1,3-Butadiene
Concen: 0.140 ppbv m
RT: 23.41 min Scan# 6414
Delta R.T. -0.00 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.3	76.9#
227	0.0	51.6	77.4#

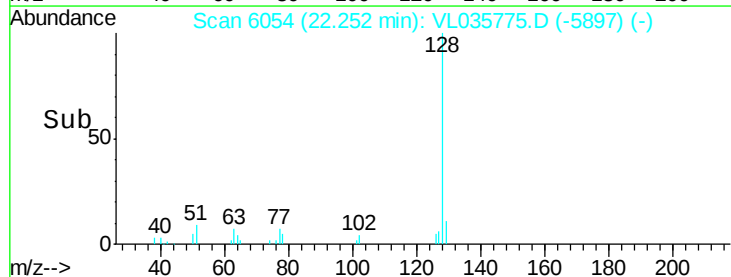
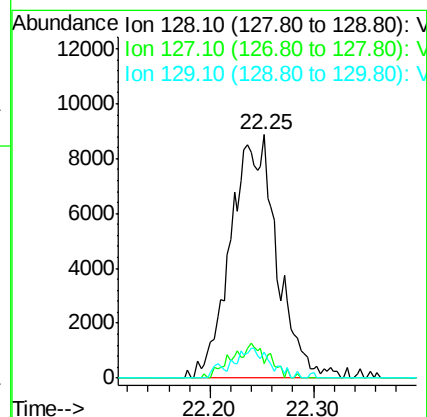
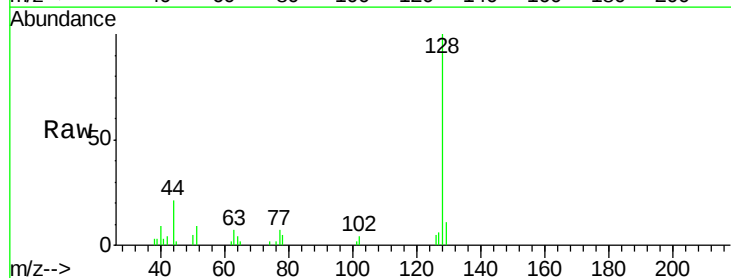
Manual Integrations
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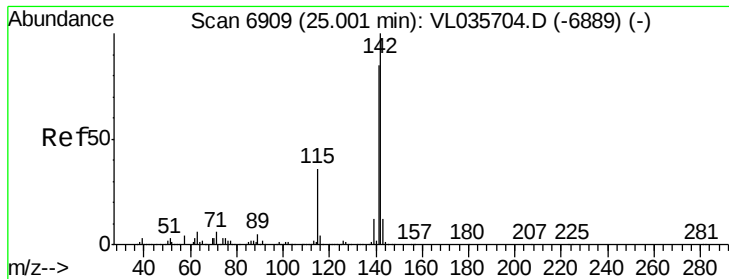
MMDadoda
10/14/2020 2:12:03 PM



#79
Naphthalene
Concen: 0.066 ppbv m
RT: 22.25 min Scan# 6054
Delta R.T. 0.01 min
Lab File: VL035775.D
Acq: 12 Oct 2020 23:37

Tgt Ion	Ratio	Lower	Upper
128	100		
127	6.1	10.6	15.8#
129	10.9	9.4	14.0





#80

Naphthalene, 2-methyl-

Concen: 0.031 ppbv

RT: 25.02 min Scan# 6915

Delta R.T. 0.02 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Instrument :

MSVOA_L

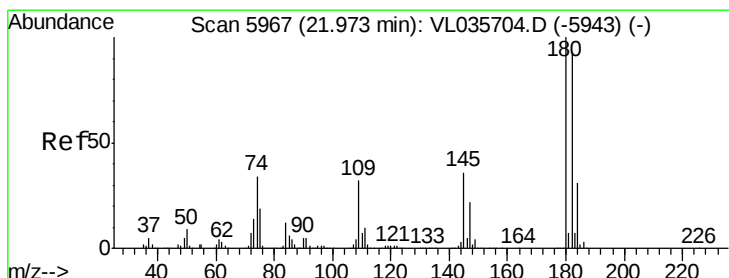
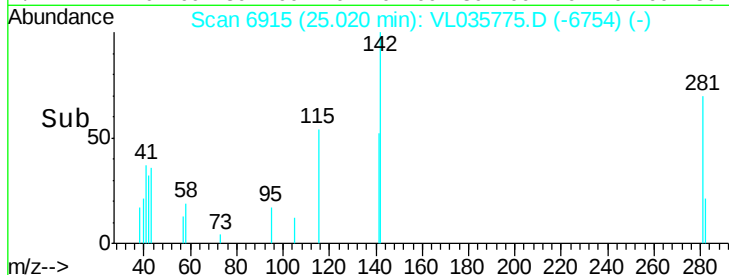
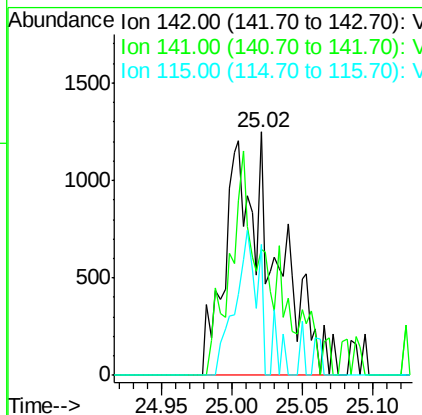
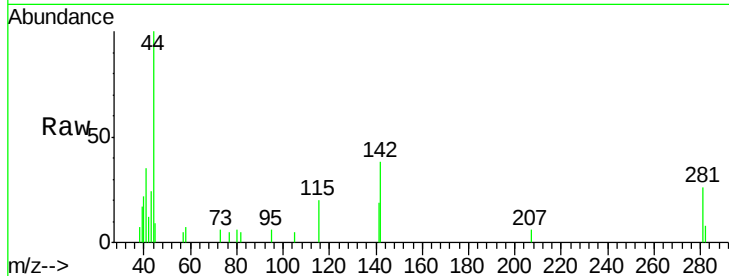
ClientSampleId :

LOD-MDL-AIR-01-QT4-2020

Tot Ion:	142	Resp:	2984
Ion Ratio	Lower	Upper	
142	100		
141	78.5	68.2	102.4
115	33.3	27.8	41.6

Manual Integrations
APPROVED

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#81

1,2,4-Trichlorobenzene

Concen: 0.094 ppbv m

RT: 21.97 min Scan# 5965

Delta R.T. -0.01 min

Lab File: VL035775.D

Acq: 12 Oct 2020 23:37

Tgt Ion:	180	Resp:	20180
Ion Ratio	Lower	Upper	
180	100		
182	0.0	76.2	114.2#
184	0.0	24.6	37.0#

