

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036990.D
 Acq On : 19 May 2021 13:37
 Operator : SY/AP
 Sample : M2262-15 0.40
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Manual Integrations
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SAM
 5/24/2021 5:09:36 PM

Quant Time: May 21 16:50:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1200963	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3766525	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3487148	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2608425	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	108765	0.534	ppbv	92
3) Chlorodifluoromethane	2.97	51	109277	0.497	ppbv	99
4) Chloromethane	3.12	50	33106	0.442	ppbv	89
5) Vinyl Chloride	3.24	62	33438	0.409	ppbv	92
6) Bromomethane	3.46	94	18927	0.439	ppbv	90
7) Chloroethane	3.54	64	13104m	0.493	ppbv	
8) Dichlorotetrafluoroethane	3.17	85	93858	0.491	ppbv	99
9) Propene	2.99	41	39653	0.503	ppbv	95
10) Heptane	8.10	43	81657	0.416	ppbv	97
11) Trichlorofluoromethane	3.93	101	87600	0.465	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.46	101	63308	0.471	ppbv	96
13) Ethanol	3.62	45	5242m	0.499	ppbv	
14) Bromoethene	3.72	108	26916m	0.455	ppbv	
15) Acetone	3.86	43	66157	0.538	ppbv #	76
16) 1,3-Butadiene	3.31	39	36481m	0.477	ppbv	
17) tert-Butyl alcohol	4.32	59	48166m	0.427	ppbv	
18) 1,1-Dichloroethene	4.27	96	29922m	0.482	ppbv	
19) Isopropyl Alcohol	3.99	45	33814m	0.511	ppbv	
20) Methylene Chloride	4.32	84	35329	0.536	ppbv	96
21) Allyl Chloride	4.39	41	41371m	0.446	ppbv	
22) trans-1,2-Dichloroethene	4.87	96	24528	0.412	ppbv #	76
23) Vinyl Acetate	5.08	43	77333m	0.396	ppbv	
24) 1,1-Dichloroethane	4.99	63	59134	0.421	ppbv	99
25) Ethyl Acetate	5.67	43	128256m	0.434	ppbv	
26) Hexane	5.66	57	62389	0.413	ppbv	93
27) Carbon Disulfide	4.53	76	45601	0.300	ppbv #	61
28) Methyl tert-Butyl Ether	5.03	73	72959	0.403	ppbv	99
29) Chloroform	5.73	83	92851	0.435	ppbv	96
30) Cyclohexane	7.10	84	56082	0.437	ppbv	86
31) cis-1,2-Dichloroethene	5.53	61	51917	0.383	ppbv	92
32) 1,1,1-Trichloroethane	6.49	97	92189m	0.402	ppbv	
34) 2-Butanone	5.24	43	50033	0.365	ppbv #	82
35) Carbon Tetrachloride	7.00	117	89562	0.358	ppbv	92
36) Benzene	6.87	78	135176	0.417	ppbv	97
37) 1,2-Dichloroethane	6.28	62	64669	0.402	ppbv	98
38) Trichloroethene	7.81	130	57448m	0.414	ppbv	
39) 1,2-Dichloropropane	7.59	63	53058m	0.425	ppbv	
40) 1,4-Dioxane	7.86	88	11782m	0.399	ppbv	
41) Tetrahydrofuran	6.07	42	30550m	0.391	ppbv	
42) Bromodichloromethane	7.77	83	87427m	0.359	ppbv	
43) Methyl Methacrylate	8.00	69	39621m	0.354	ppbv	

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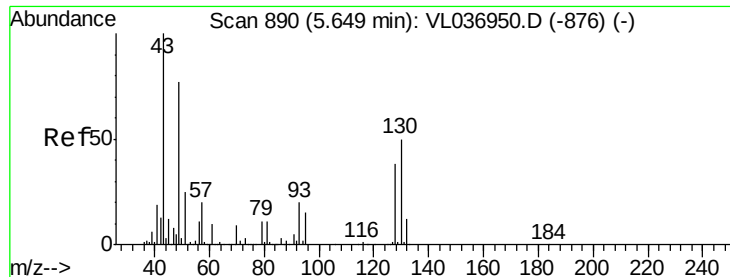
Manual Integrations
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Quant Time: May 21 16:50:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	243108	0.437	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	20222m	0.237	ppbv	
46) cis-1,3-Dichloropropene	8.68	75	31405m	0.273	ppbv	
47) 1,1,2-Trichloroethane	9.45	97	55777m	0.426	ppbv	
48) Dibromochloromethane	10.28	129	65790m	0.311	ppbv	
49) Bromoform	13.01	173	41834	0.239	ppbv	91
50) 4-Methyl-2-Pentanone	8.75	43	85260m	0.377	ppbv	
51) 2-Hexanone	10.15	43	42324m	0.354	ppbv	
52) Tetrachloroethene	11.20	164	55362	0.429	ppbv	93
53) Toluene	9.78	91	154667	0.401	ppbv	97
54) 1,2-Dibromoethane	10.59	107	74721m	0.402	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.10	131	55379m	0.377	ppbv	
57) Chlorobenzene	12.12	112	127279m	0.471	ppbv	
58) Ethyl Benzene	12.68	91	205464	0.417	ppbv	91
59) m/p-Xylene	12.97	91	351621m	0.864	ppbv	
60) o-Xylene	13.66	91	166699	0.430	ppbv	99
61) Styrene	13.50	104	75687	0.346	ppbv	90
62) Isopropylbenzene	14.64	105	237069	0.425	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	104984	0.362	ppbv	87
64) n-propylbenzene	15.54	120	55229	0.384	ppbv #	56
65) tert-Butylbenzene	16.73	119	228672m	0.454	ppbv	
66) Benzyl Chloride	16.97	91	7675m	0.275	ppbv	
67) sec-Butylbenzene	17.27	105	283555	0.413	ppbv	99
69) p-Isopropyltoluene	17.63	119	250439m	0.424	ppbv	
70) n-Butylbenzene	18.53	91	210660	0.376	ppbv	99
71) 2-Chlorotoluene	15.43	91	173594m	0.431	ppbv	
72) 4-Ethyltoluene	15.82	105	181627	0.394	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.98	105	183398m	0.424	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	193230m	0.432	ppbv	
75) 1,3-Dichlorobenzene	16.98	146	114674m	0.420	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	118578m	0.430	ppbv	
77) 1,2-Dichlorobenzene	17.80	146	121212m	0.443	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	96957	0.441	ppbv	95
79) Naphthalene	22.18	128	108099m	0.308	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	18789m	0.246	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	76687m	0.359	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 49 Resp: 1200963

Ion Ratio Lower Upper

49 100

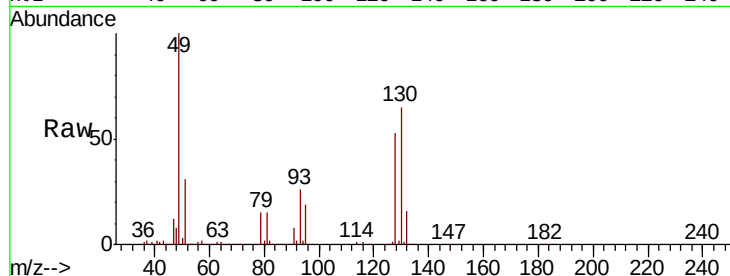
128 55.4 26.9 80.7

130 69.4 33.8 101.4

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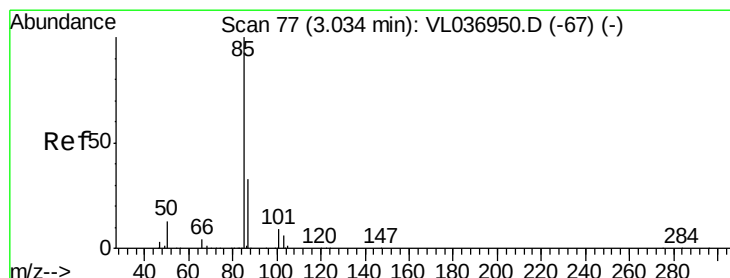
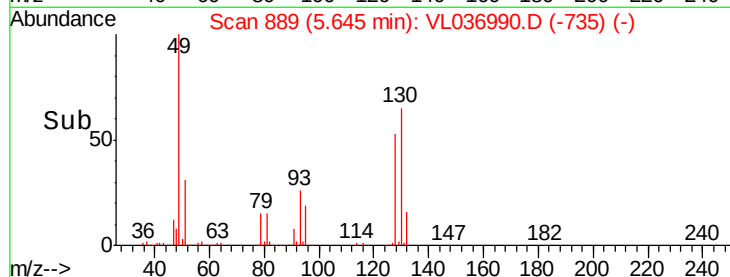
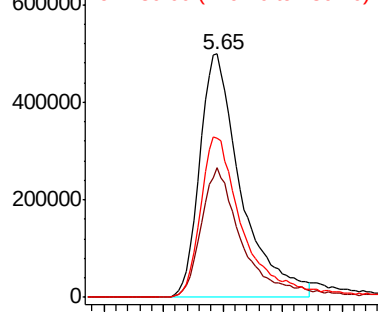
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.534 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL036990.D

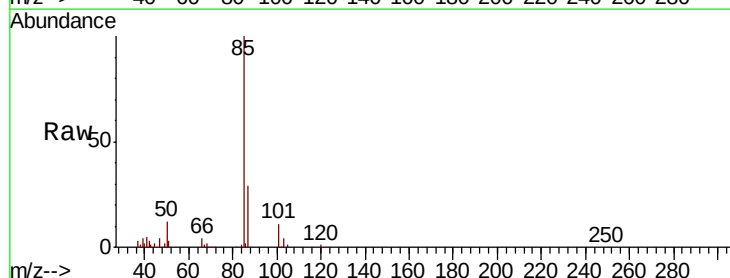
Acq: 19 May 2021 13:37

Tgt Ion: 85 Resp: 108765

Ion Ratio Lower Upper

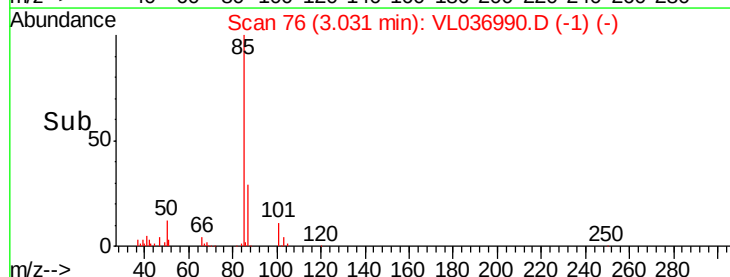
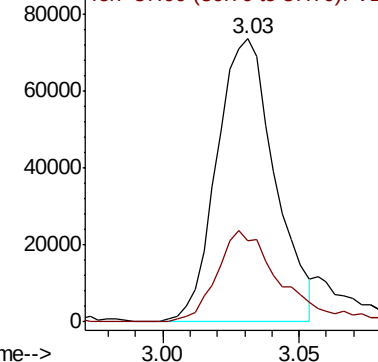
85 100

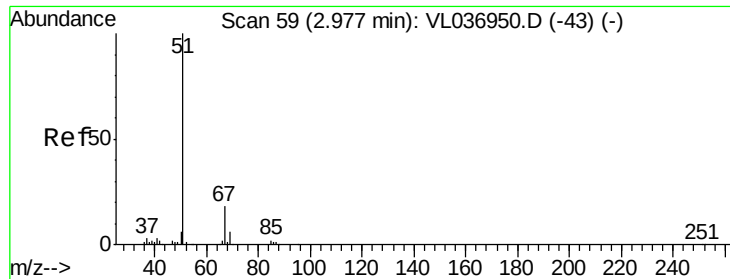
87 28.7 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.497 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 51 Resp: 109277

Ion Ratio Lower Upper

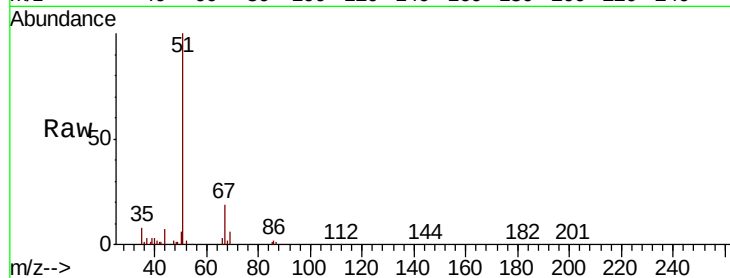
51 100

67 18.8 14.6 21.8

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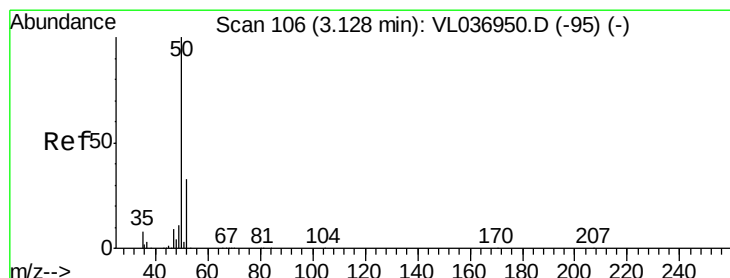
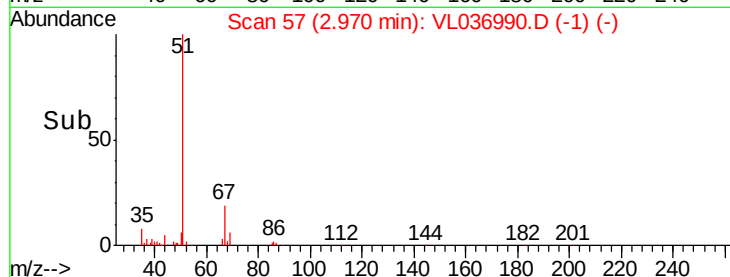
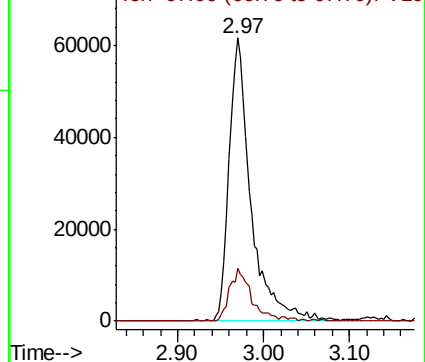
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.442 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL036990.D

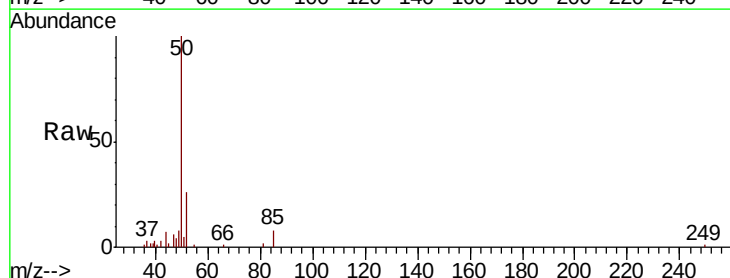
Acq: 19 May 2021 13:37

Tgt Ion: 50 Resp: 33106

Ion Ratio Lower Upper

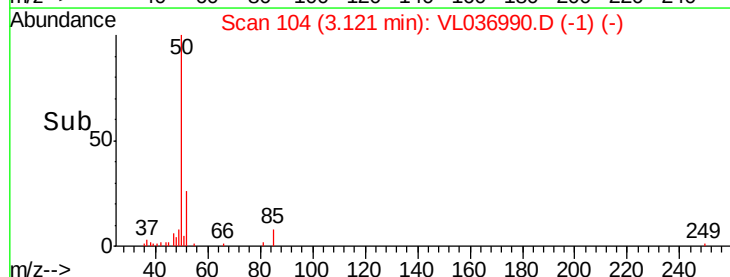
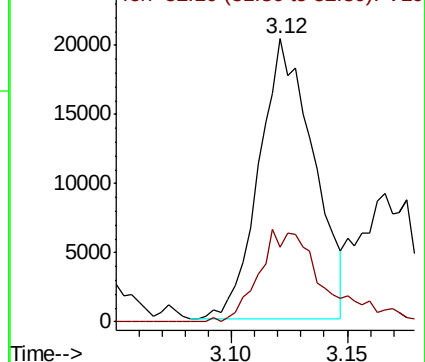
50 100

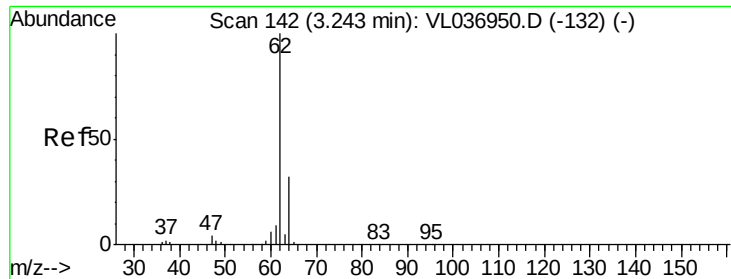
52 26.5 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.409 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.01 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 62 Resp: 33438

Ion Ratio Lower Upper

62 100

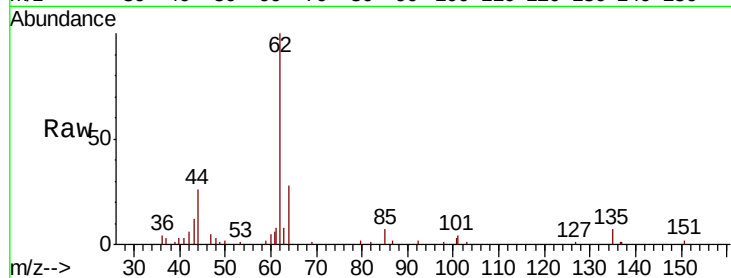
64 28.0 25.9 38.9

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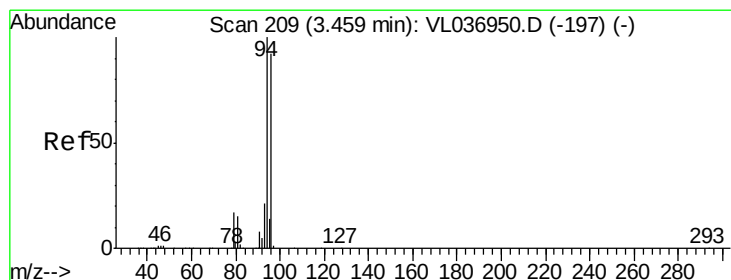
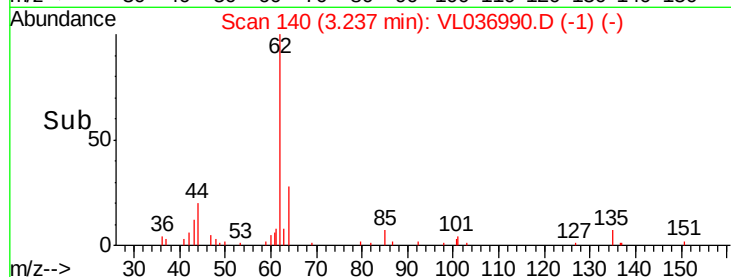
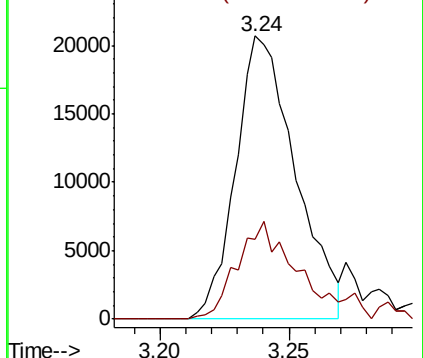
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.439 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL036990.D

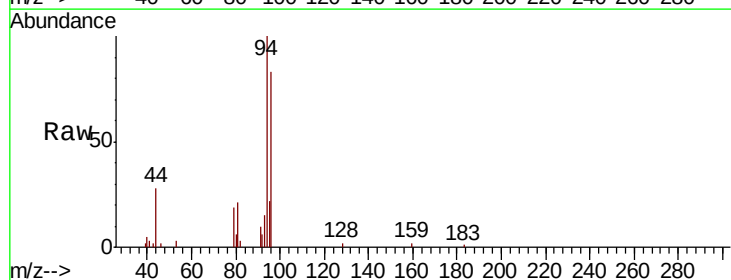
Acq: 19 May 2021 13:37

Tgt Ion: 94 Resp: 18927

Ion Ratio Lower Upper

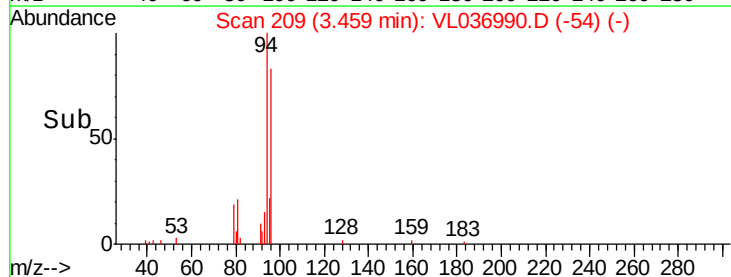
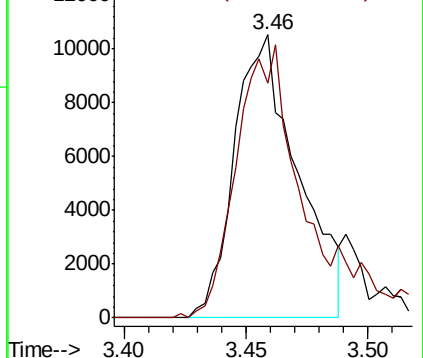
94 100

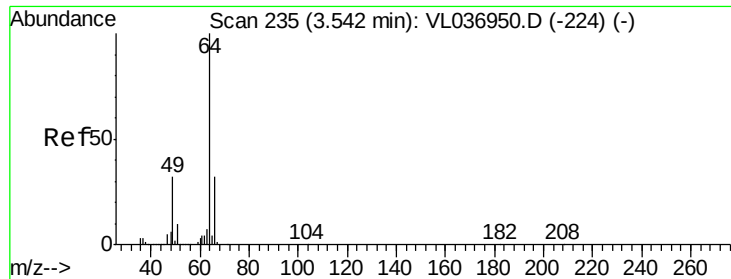
96 82.8 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.493 ppbv m

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 64 Resp: 13104

Ion Ratio Lower Upper

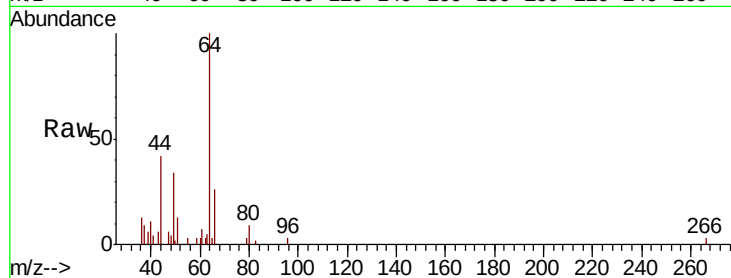
64 100

66 26.5 25.4 38.2

Manual Integrations
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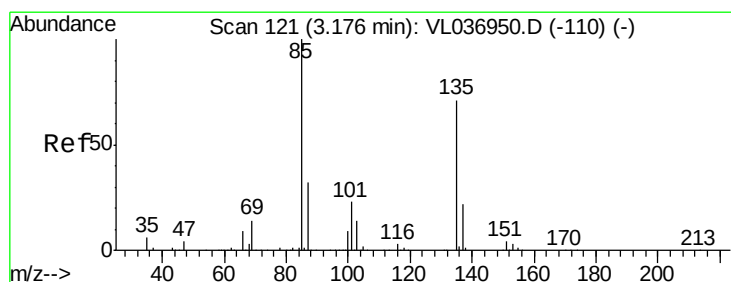
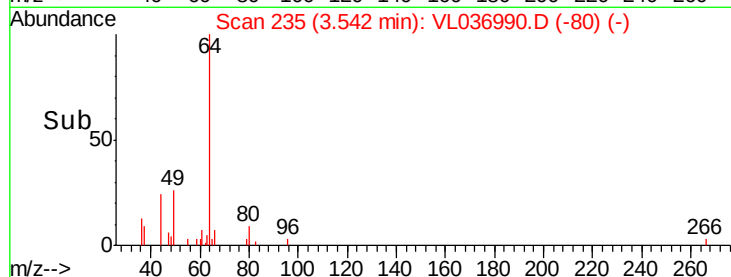
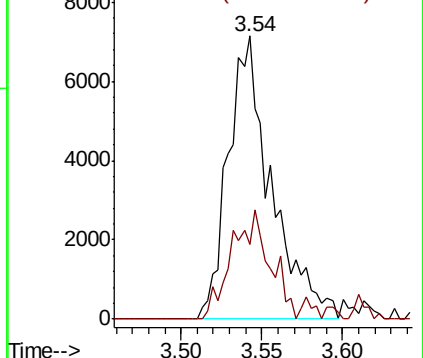
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.491 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.01 min

Lab File: VL036990.D

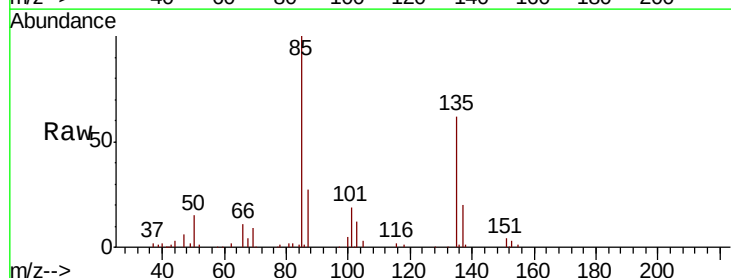
Acq: 19 May 2021 13:37

Tgt Ion: 85 Resp: 93858

Ion Ratio Lower Upper

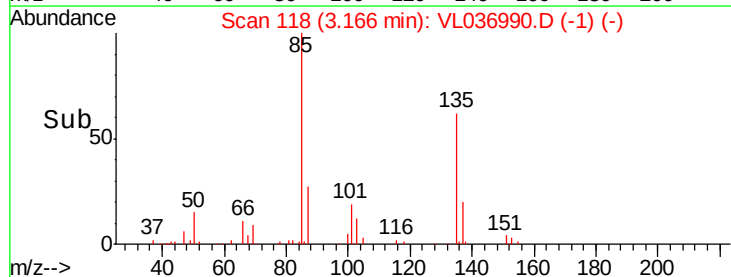
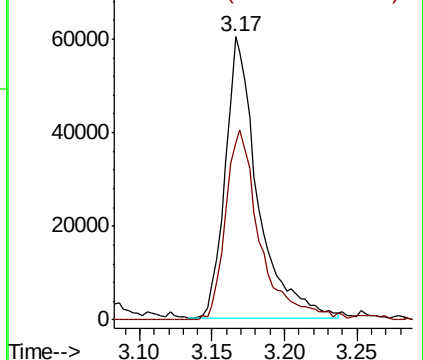
85 100

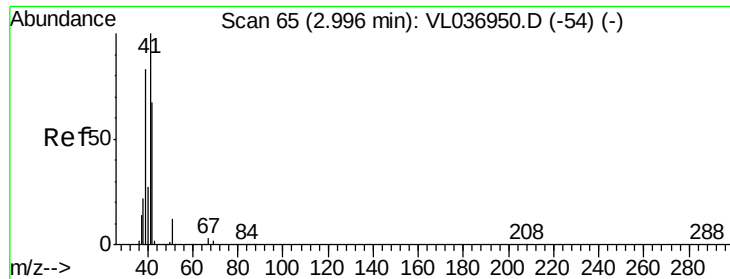
135 71.1 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.503 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 41 Resp: 39653

Ion Ratio Lower Upper

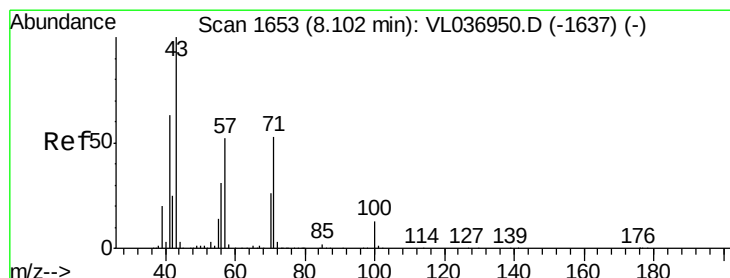
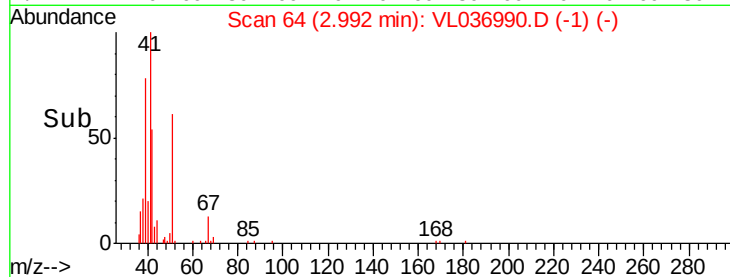
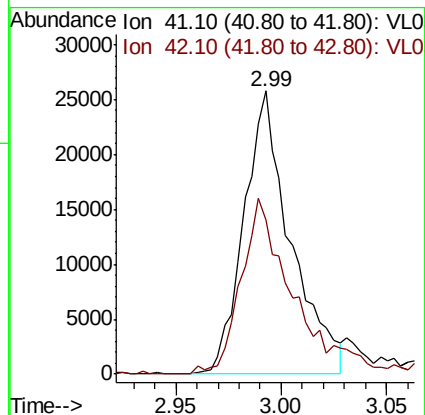
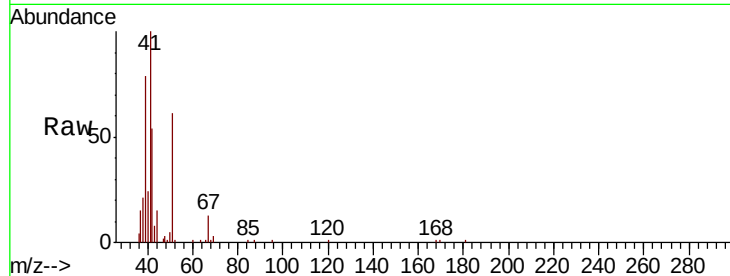
41 100

42 71.7 53.9 80.9

Manual Integrations
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#10

Heptane

Concen: 0.416 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL036990.D

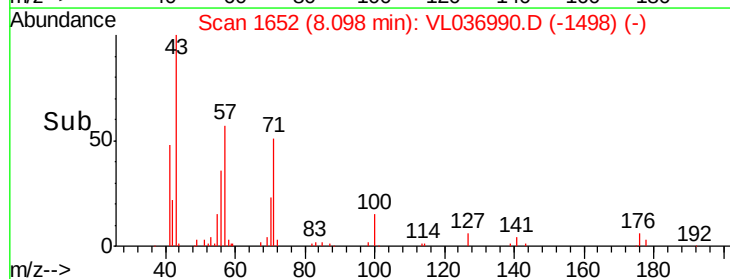
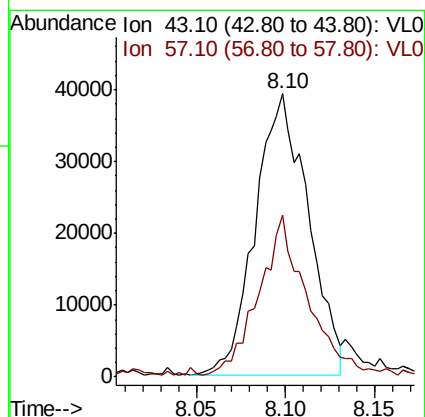
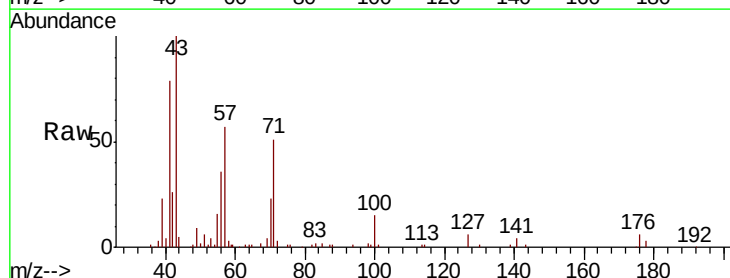
Acq: 19 May 2021 13:37

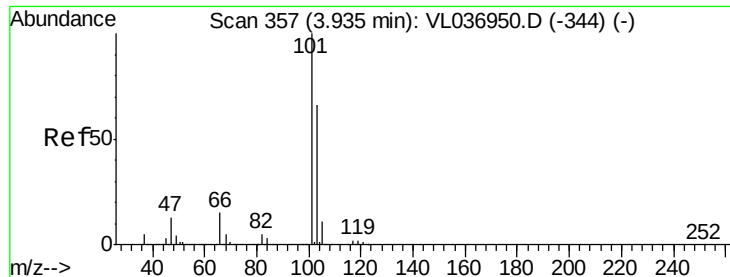
Tgt Ion: 43 Resp: 81657

Ion Ratio Lower Upper

43 100

57 53.2 41.0 61.6





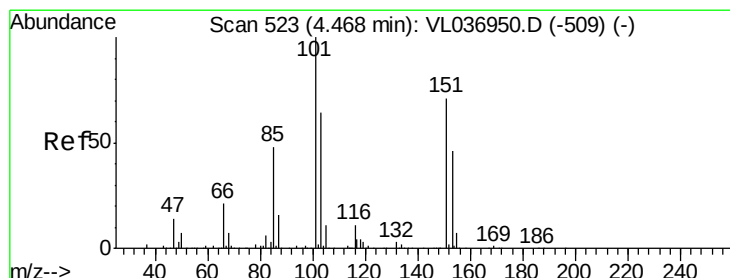
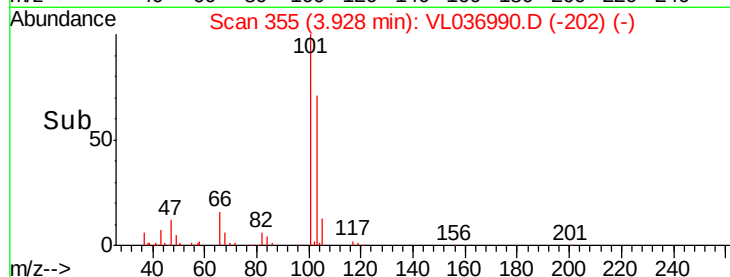
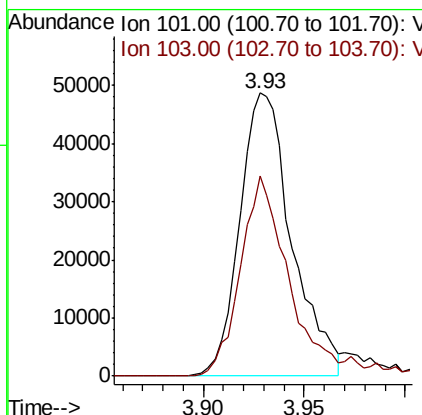
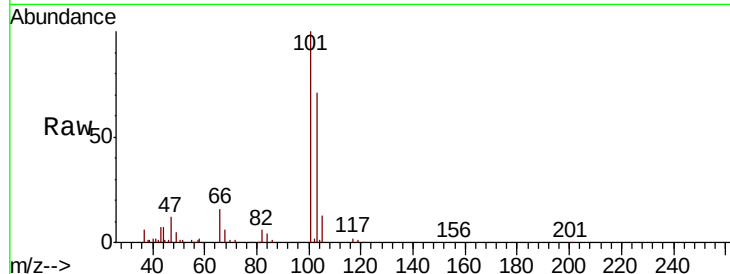
#11
 Trichlorofluoromethane
 Concen: 0.465 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.01 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.5	52.6	79.0

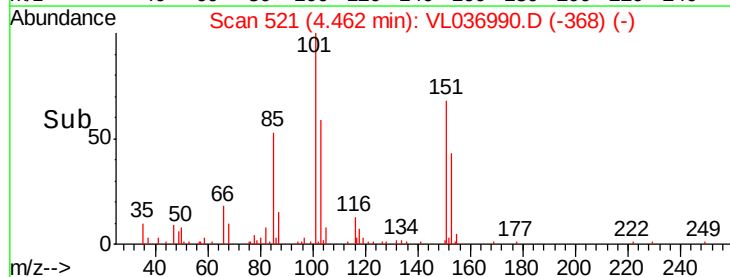
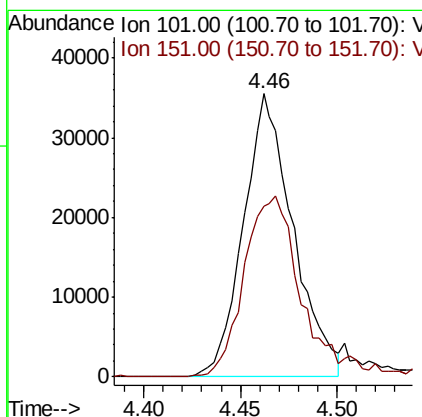
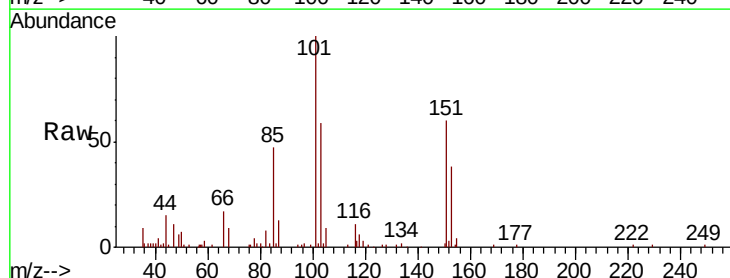
Manual Integrations
 APPROVED

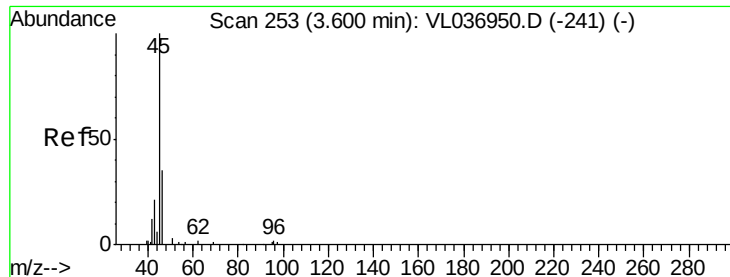
SAM
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.471 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Tgt Ion	Ratio	Lower	Upper
101	100		
151	75.4	57.7	86.5





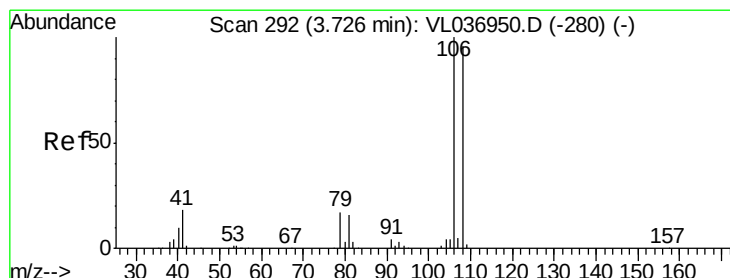
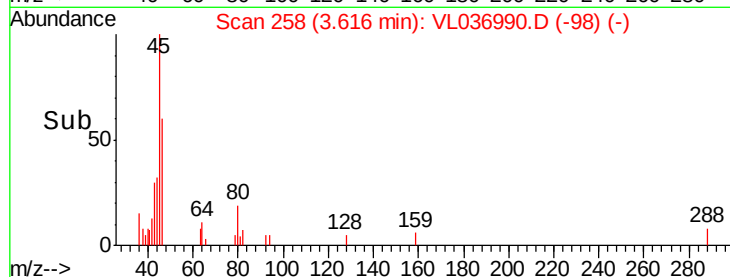
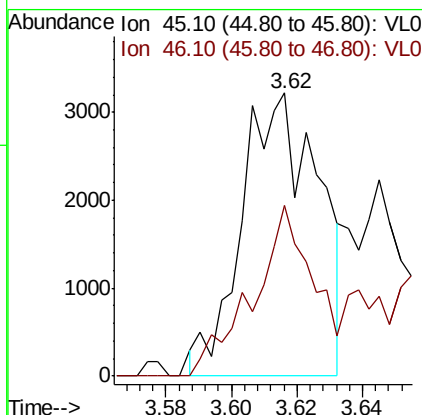
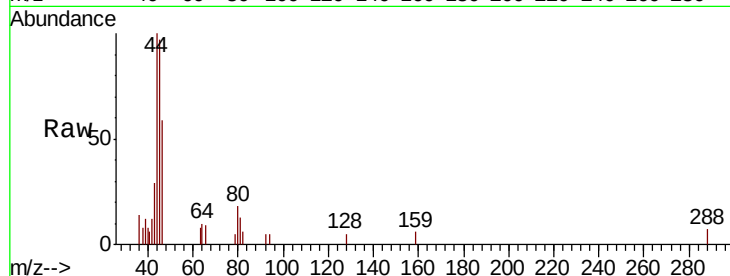
#13
Ethanol
Concen: 0.499 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion: 45 Resp: 5242
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.3#

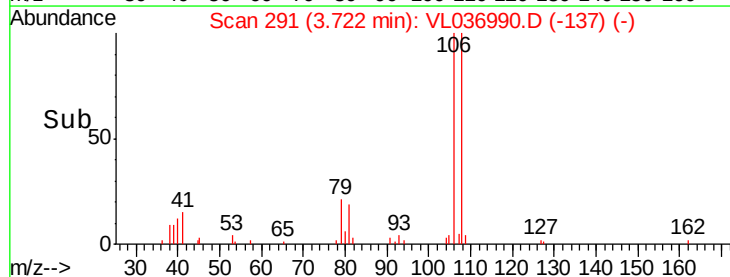
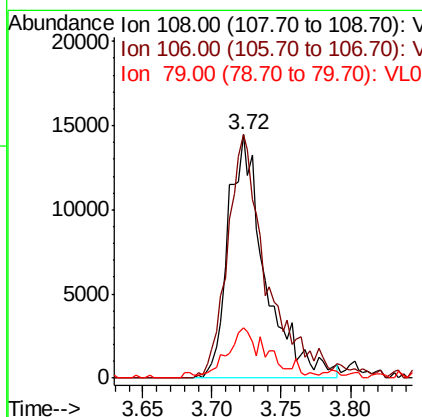
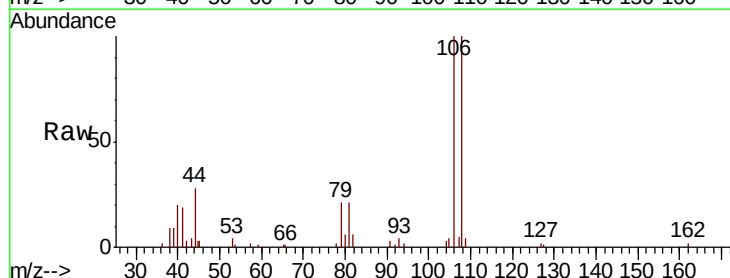
Manual Integrations
APPROVED

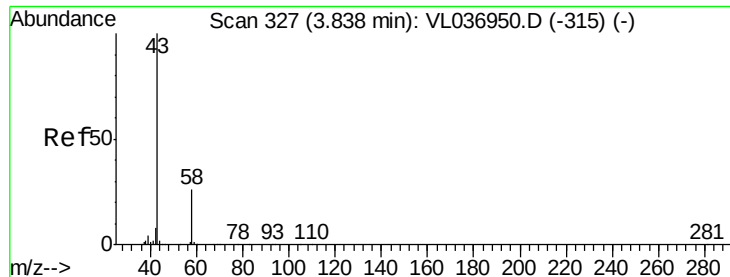
SAM
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#14
Bromoethene
Concen: 0.455 ppbv m
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Tgt Ion: 108 Resp: 26916
Ion Ratio Lower Upper
108 100
106 110.8 86.5 129.7
79 23.3 15.0 22.4#





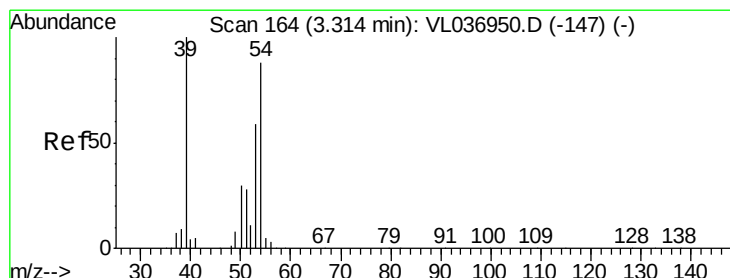
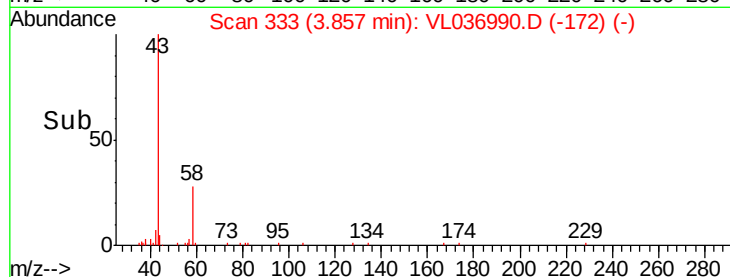
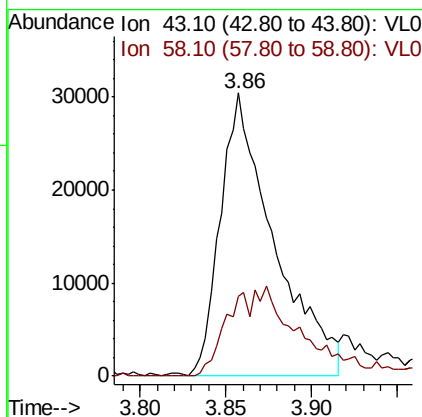
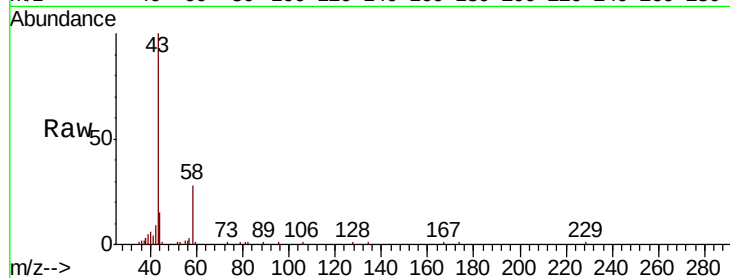
#15
Acetone
Concen: 0.538 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion: 43 Resp: 66157
Ion Ratio Lower Upper
43 100
58 42.9 24.0 36.0#

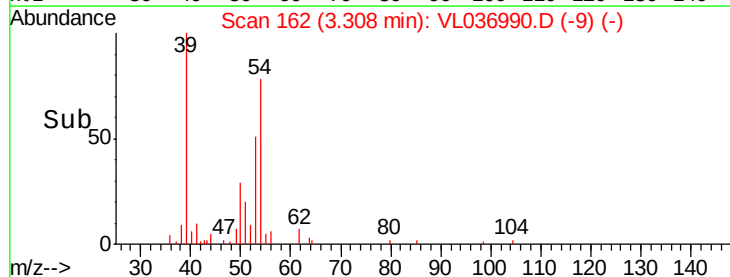
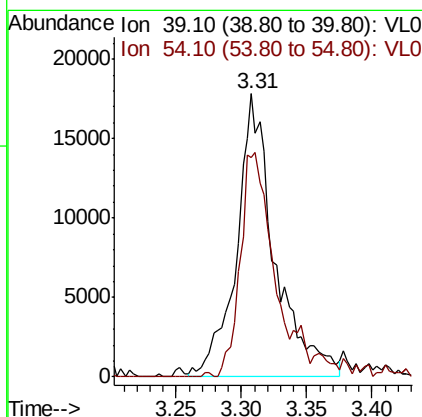
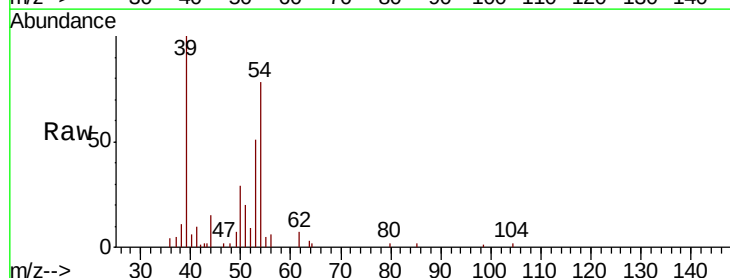
Manual Integrations
APPROVED

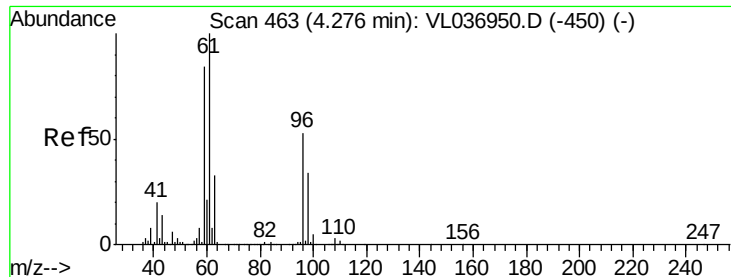
SAM
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#16
1,3-Butadiene
Concen: 0.477 ppbv m
RT: 3.31 min Scan# 162
Delta R.T. -0.01 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Tgt Ion: 39 Resp: 36481
Ion Ratio Lower Upper
39 100
54 76.7 63.2 94.8





#17

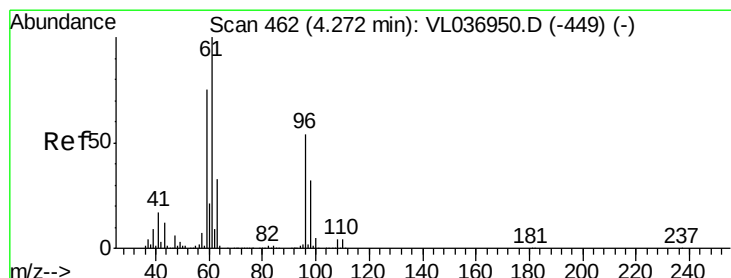
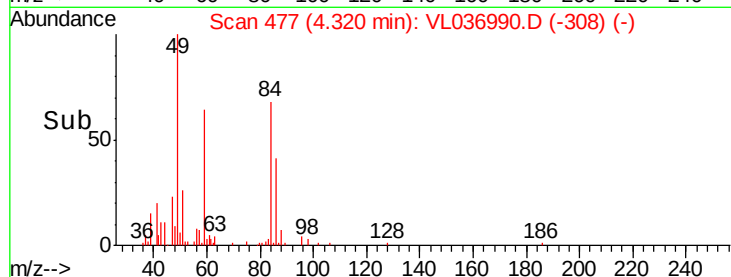
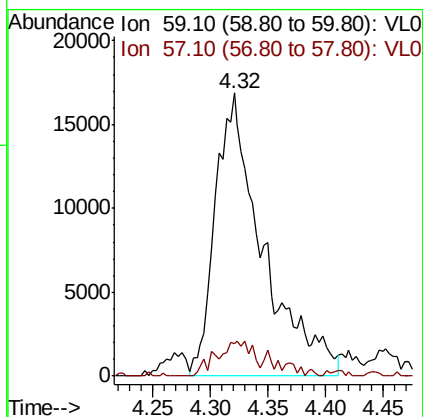
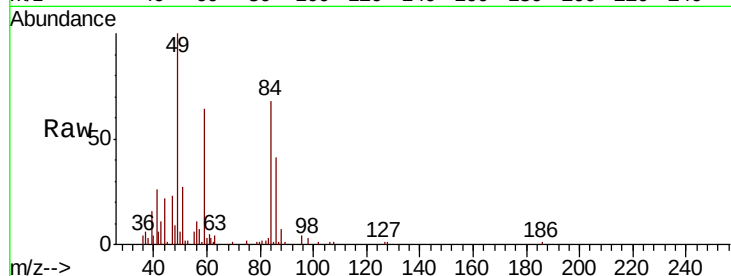
tert-Butyl alcohol
Concen: 0.427 ppbv m
RT: 4.32 min Scan# 477
Delta R.T. 0.04 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion: 59 Resp: 48166
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

Manual Integrations
APPROVED

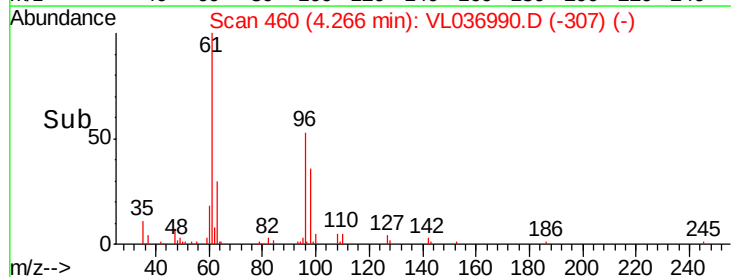
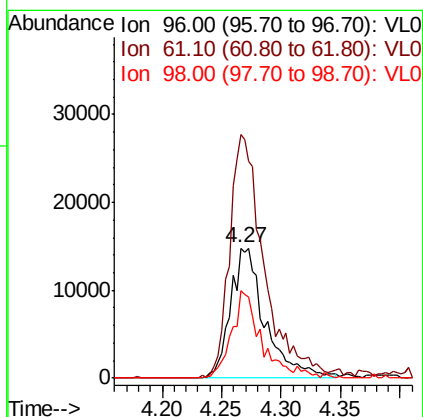
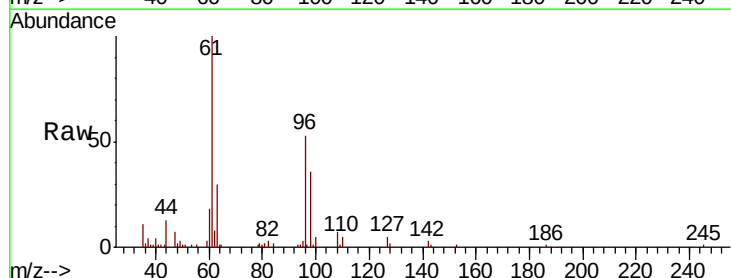
SAM
5/24/2021 5:09:36 PM

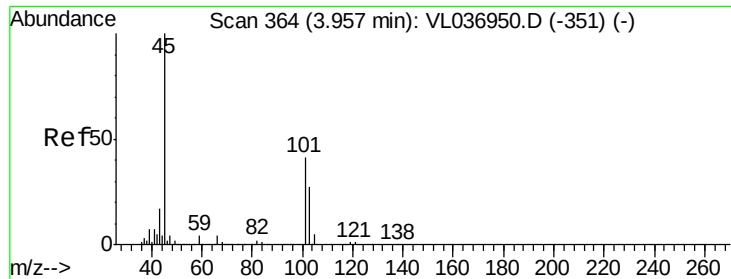


#18

1,1-Dichloroethene
Concen: 0.482 ppbv m
RT: 4.27 min Scan# 460
Delta R.T. -0.01 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Tgt Ion: 96 Resp: 29922
Ion Ratio Lower Upper
96 100
61 187.5 148.2 222.4
98 67.7 47.8 71.6





#19

Isopropyl Alcohol

Concen: 0.511 ppbv m

RT: 3.99 min Scan# 373

Delta R.T. 0.03 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 45 Resp: 33814

Ion Ratio Lower Upper

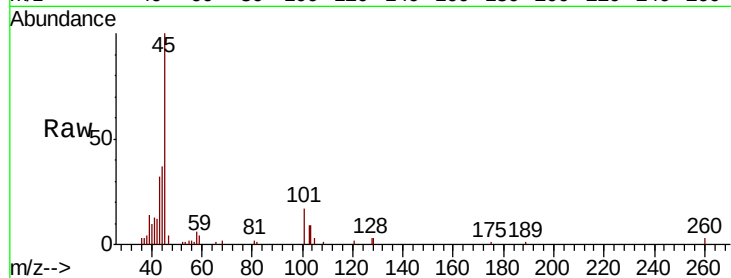
45 100

58 0.0 37.2 55.8#

Manual Integrations
APPROVED

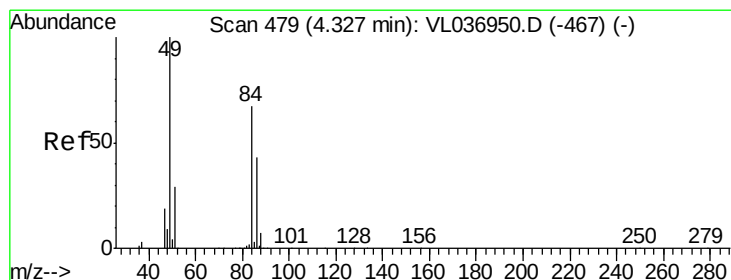
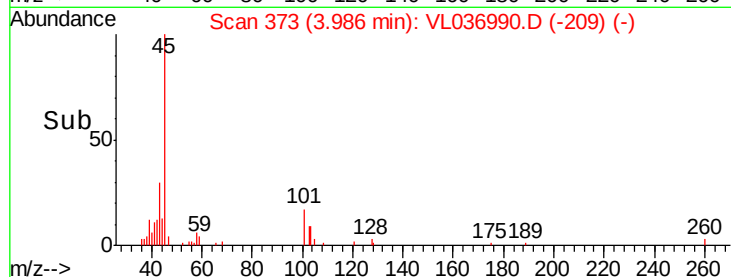
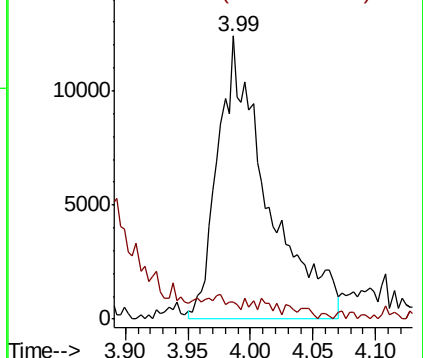
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.536 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.01 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Tgt Ion: 84 Resp: 35329

Ion Ratio Lower Upper

84 100

49 147.8 119.8 179.6

51 37.8 35.1 52.7

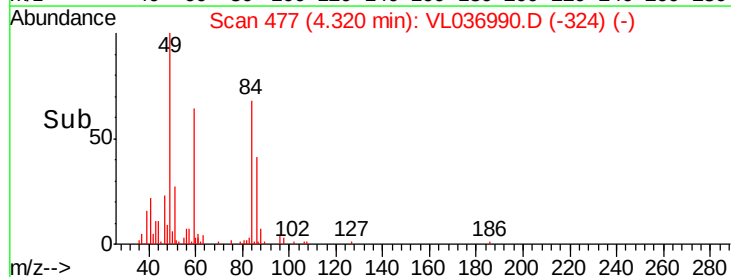
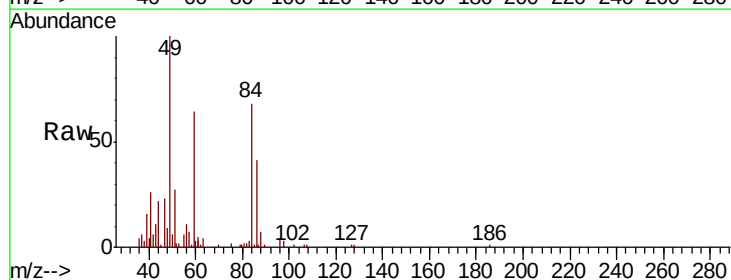
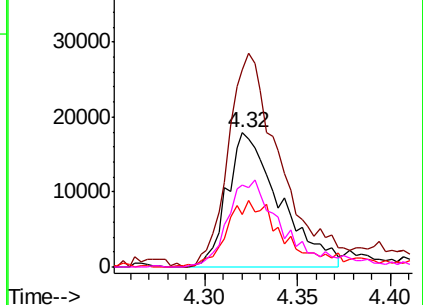
86 60.1 50.9 76.3

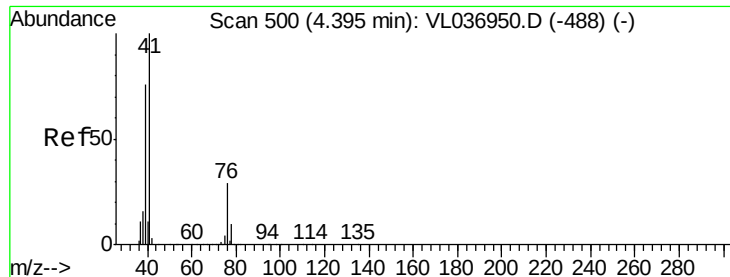
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





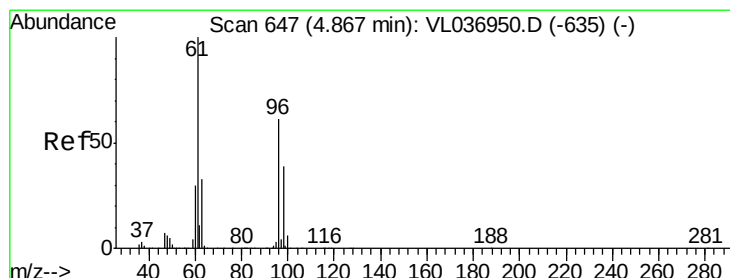
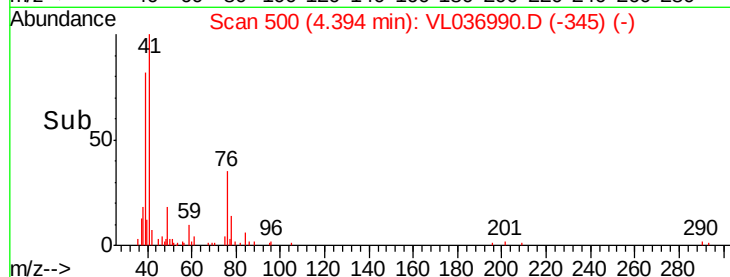
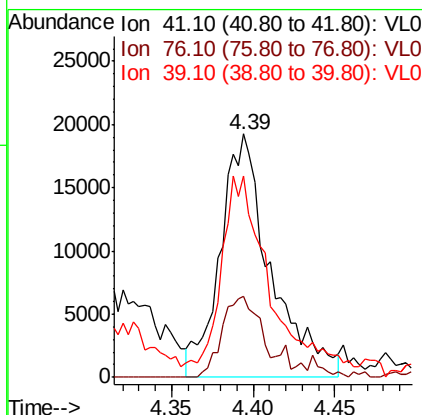
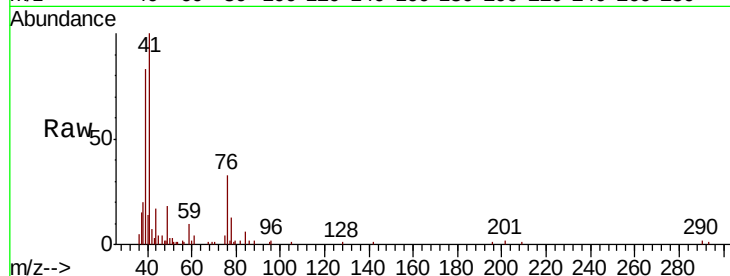
#21
Allvl Chloride
Concen: 0.446 ppbv m
RT: 4.39 min Scan# 500
Delta R.T. -0.00 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.4	24.9	37.3
39	0.0	63.7	95.5#

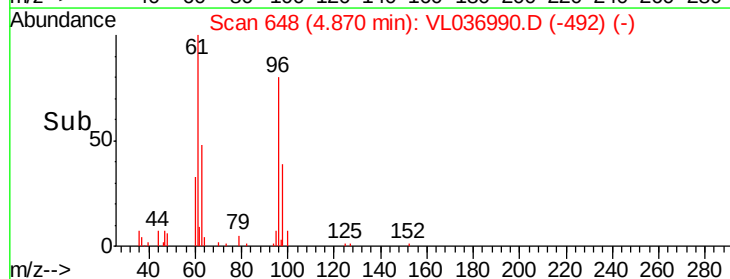
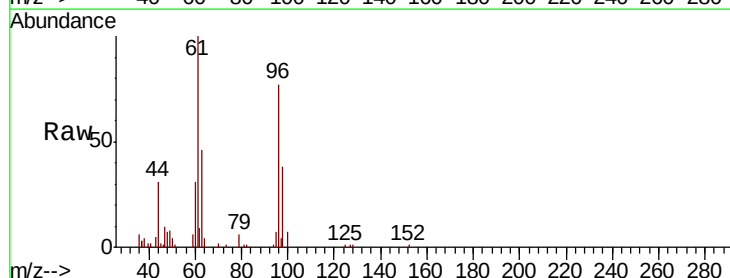
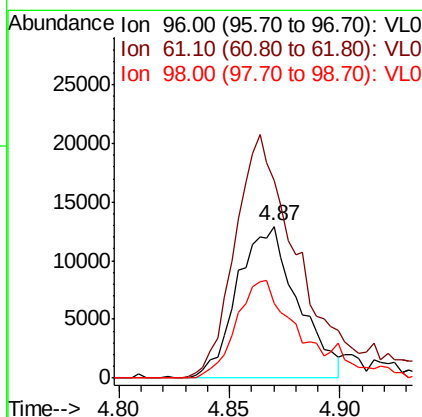
Manual Integrations
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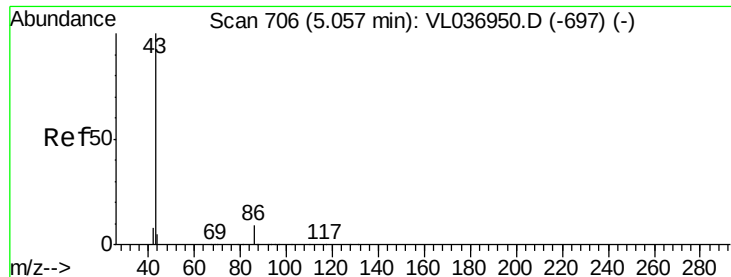
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#22
trans-1,2-Dichloroethene
Concen: 0.412 ppbv
RT: 4.87 min Scan# 648
Delta R.T. 0.00 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.1	130.6	196.0#
98	49.0	50.8	76.2#





#23

Vinyl Acetate

Concen: 0.396 ppbv m

RT: 5.08 min Scan# 712

Delta R.T. 0.02 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

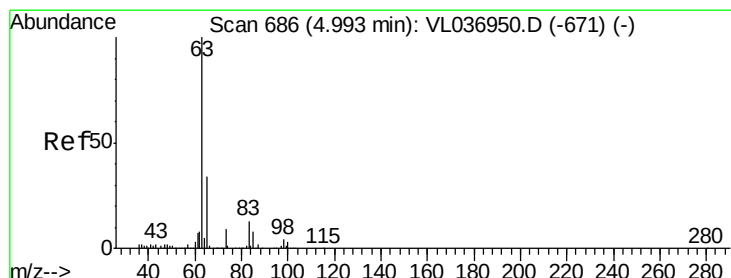
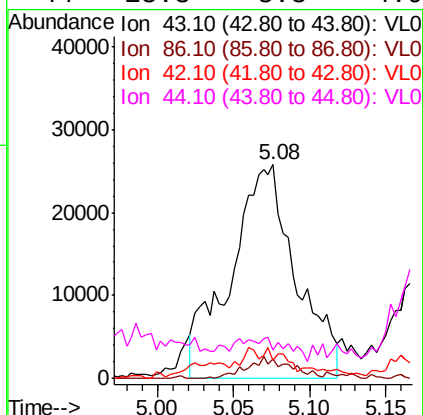
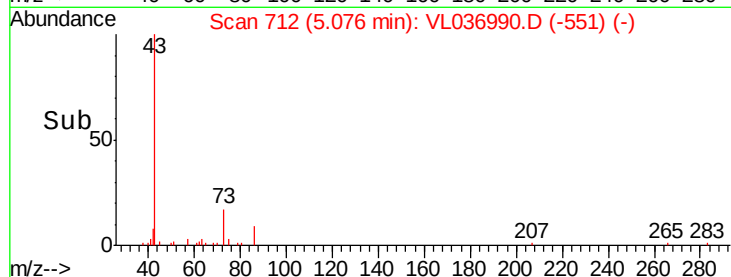
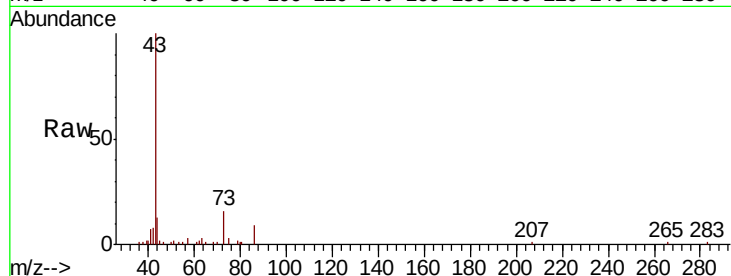
MDL-AIR-03-QT2-2021

Tot Ion	43	Resp	77333
Ion Ratio	Lower	Upper	
43	100		
86	8.8	5.8	8.8#
42	8.5	7.4	11.2
44	13.3	3.3	4.9#

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.421 ppbv

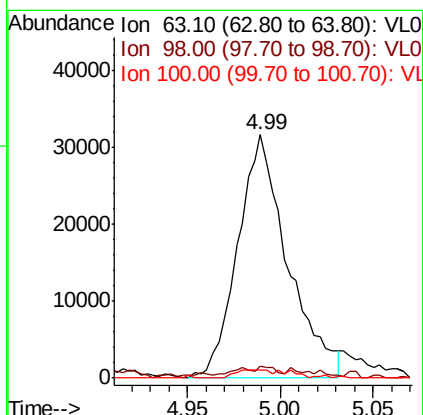
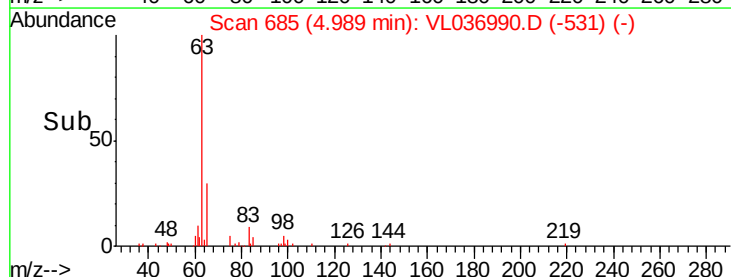
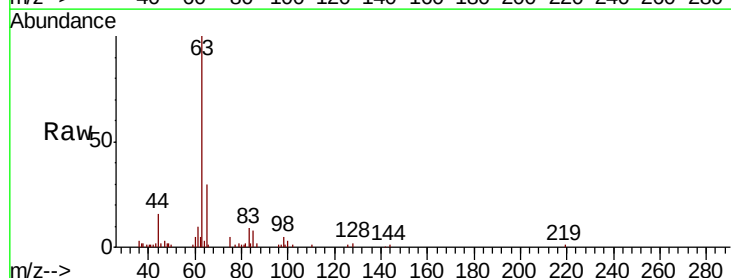
RT: 4.99 min Scan# 685

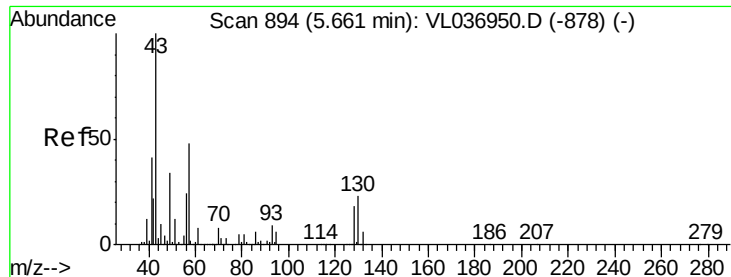
Delta R.T. -0.00 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Tgt Ion	63	Resp	59134
Ion Ratio	Lower	Upper	
63	100		
98	3.9	2.3	6.9
100	2.7	1.4	4.0





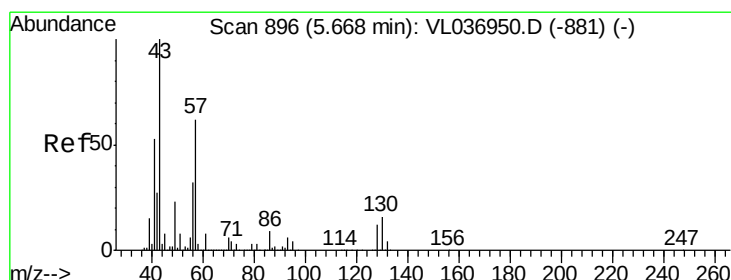
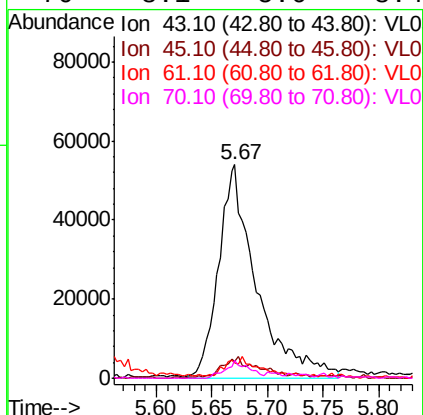
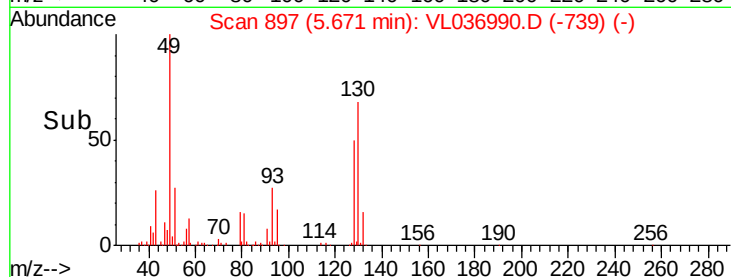
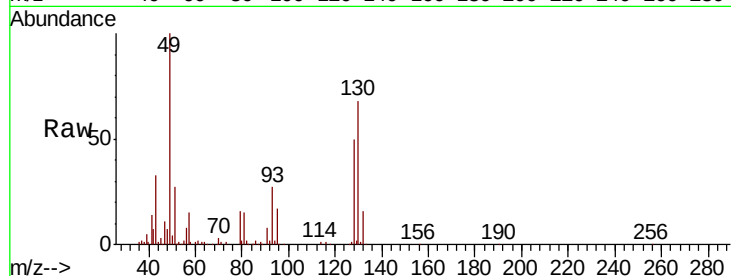
#25
Ethyl Acetate
Concen: 0.434 ppbv m
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.6	7.8	11.8		
61	10.3	7.8	11.8		
70	8.1	5.6	8.4		

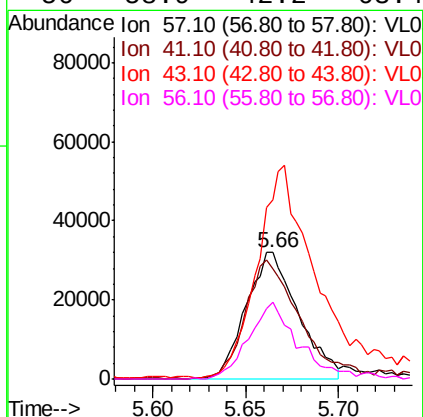
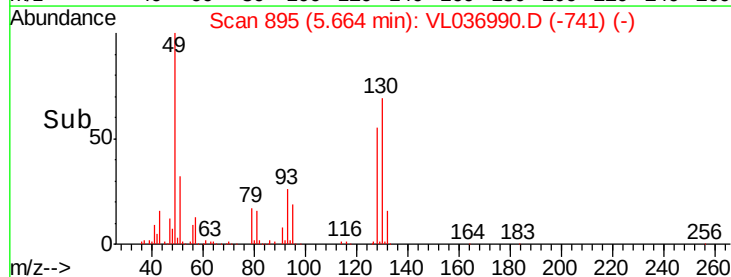
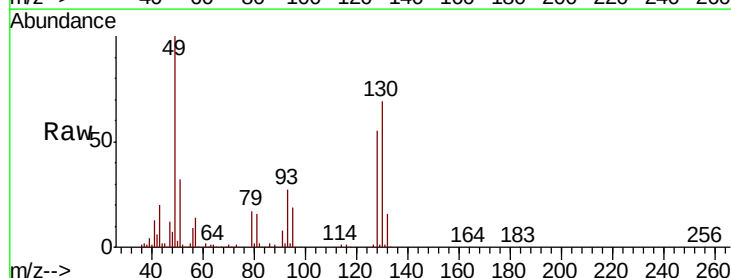
Manual Integrations
APPROVED

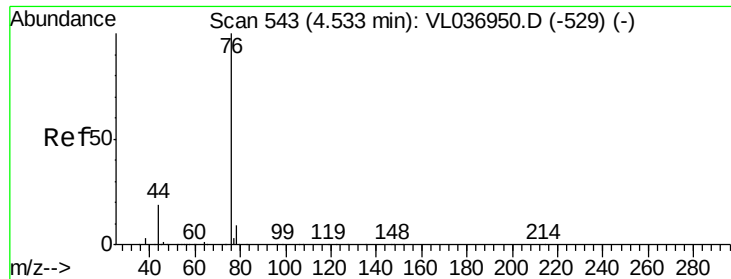
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#26
Hexane
Concen: 0.413 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	103.3	70.5	105.7		
43	210.3	165.8	248.8		
56	58.9	42.2	63.4		





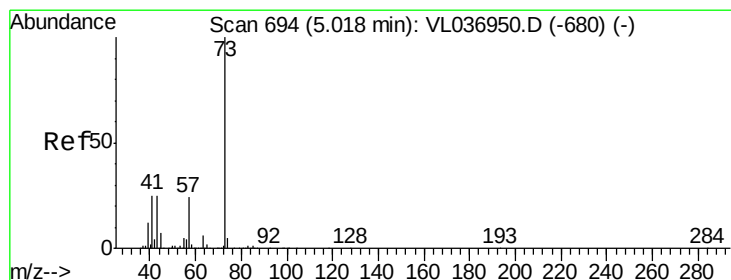
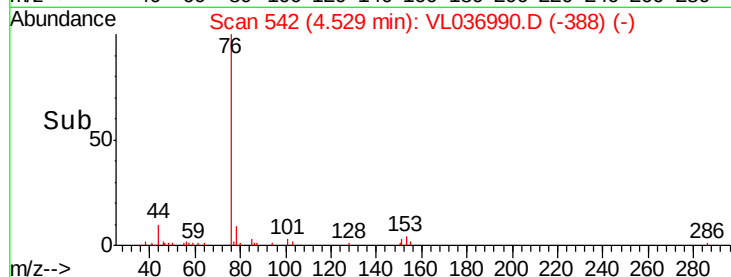
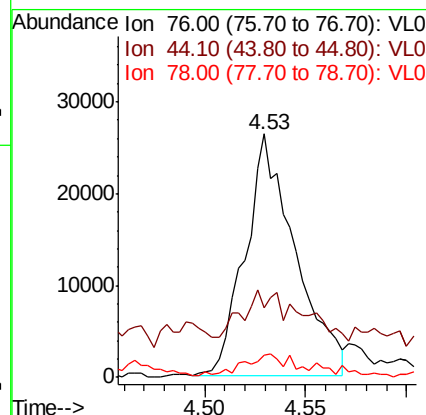
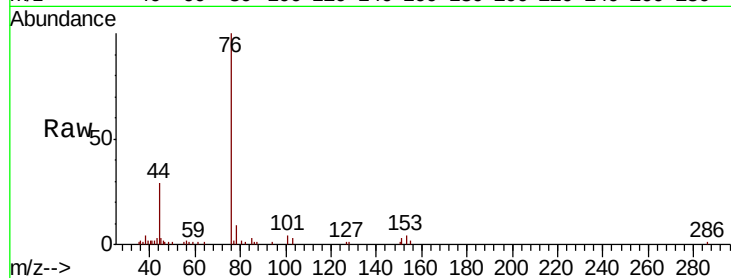
#27
Carbon Disulfide
Concen: 0.300 ppbv
RT: 4.53 min Scan# 542
Delta R.T. -0.00 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
76	100		
44	43.0	15.5	23.3#
78	14.6	7.8	11.6#

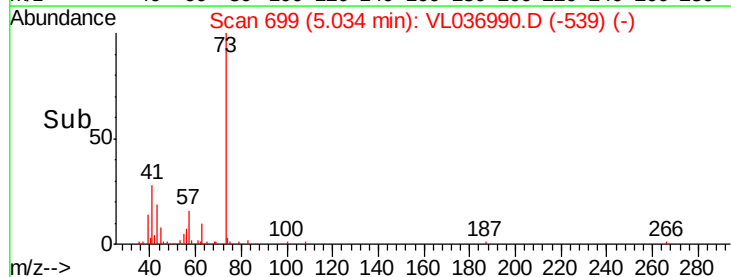
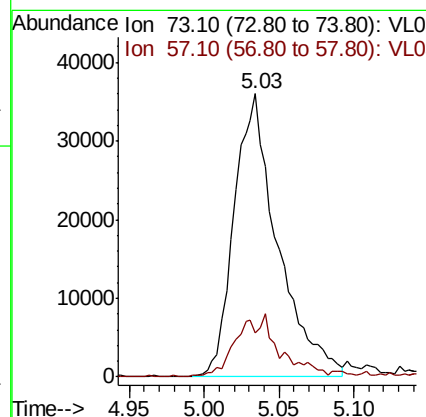
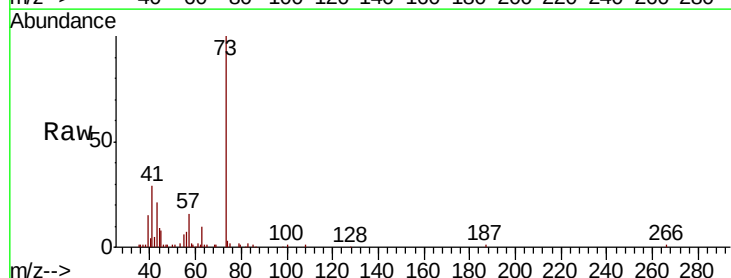
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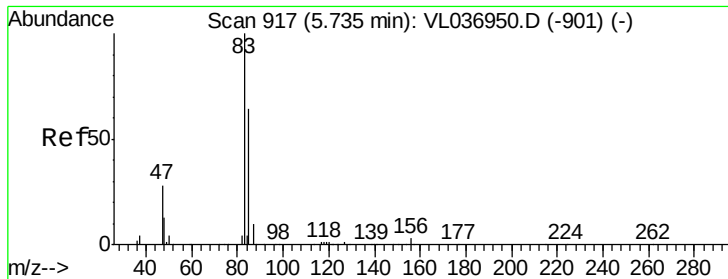
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#28
Methyl tert-Butyl Ether
Concen: 0.403 ppbv
RT: 5.03 min Scan# 699
Delta R.T. 0.02 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.3	27.5





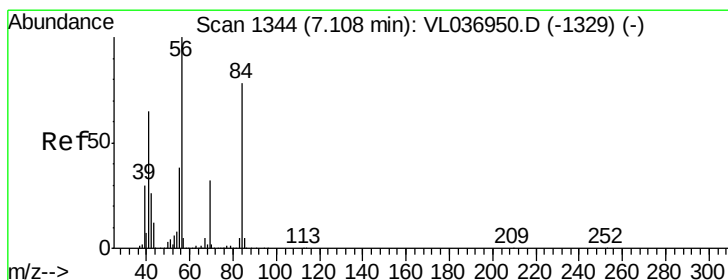
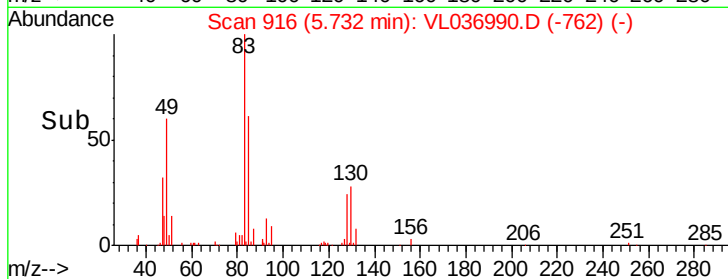
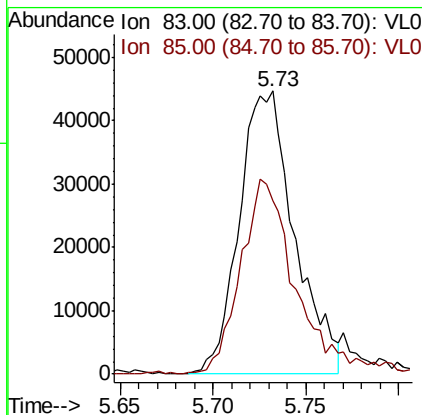
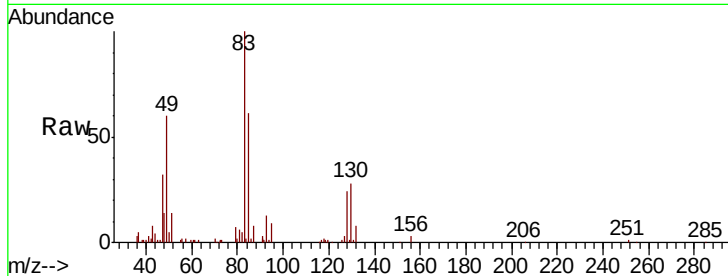
#29
Chloroform
Concen: 0.435 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.00 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion: 83 Resp: 92851
Ion Ratio Lower Upper
83 100
85 60.5 51.1 76.7

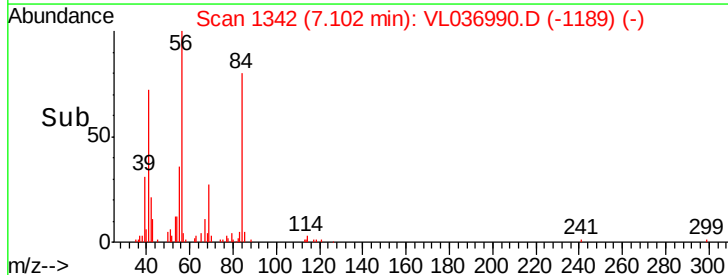
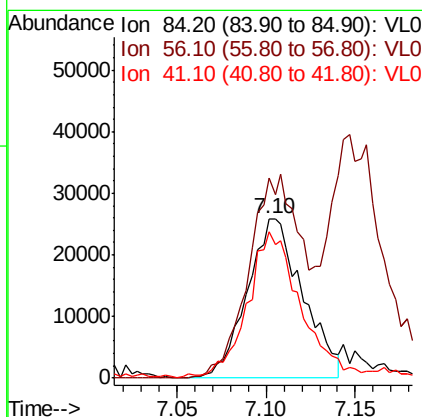
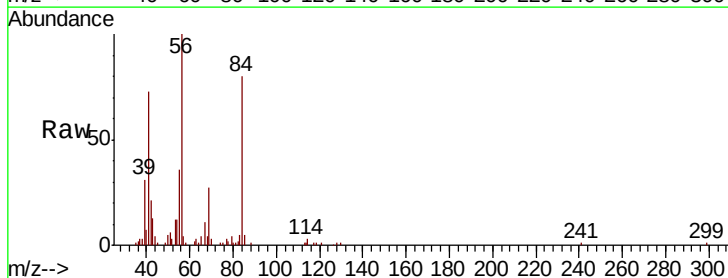
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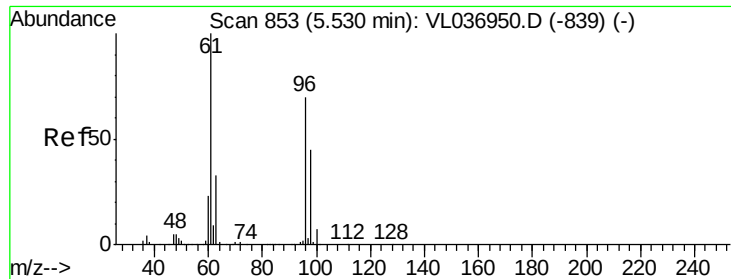
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#30
Cyclohexane
Concen: 0.437 ppbv
RT: 7.10 min Scan# 1342
Delta R.T. -0.01 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Tgt Ion: 84 Resp: 56082
Ion Ratio Lower Upper
84 100
56 117.2 107.9 161.9
41 93.1 65.5 98.3





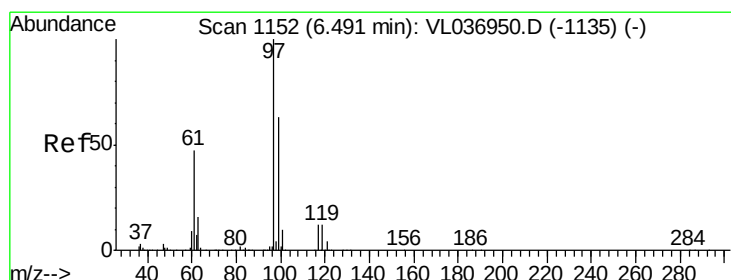
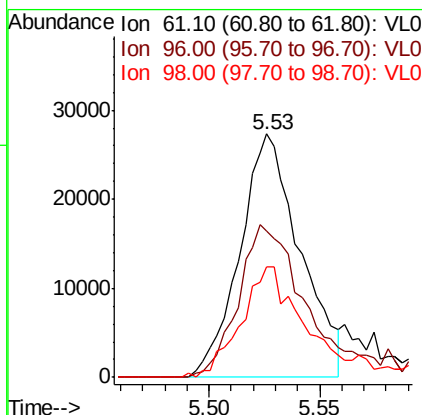
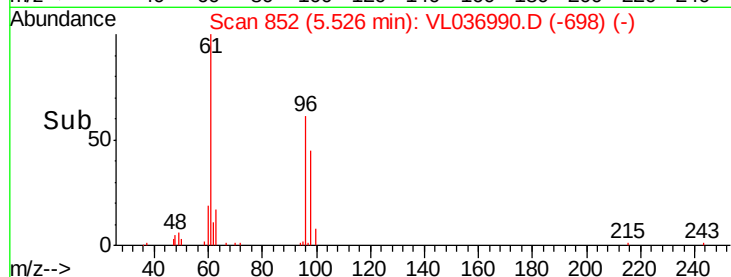
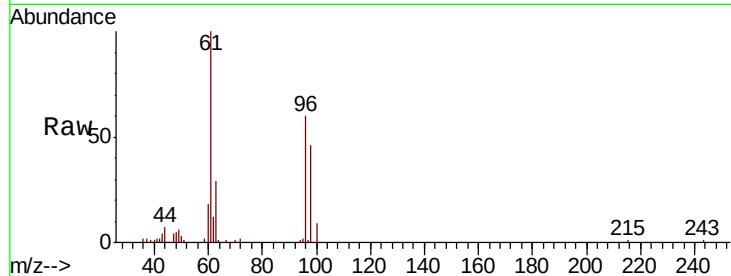
#31
 cis-1,2-Dichloroethene
 Concen: 0.383 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion	Ion	Ratio	Resp	Lower	Upper
61	100		51917		
96	59.9	55.9	83.9		
98	43.9	35.6	53.4		

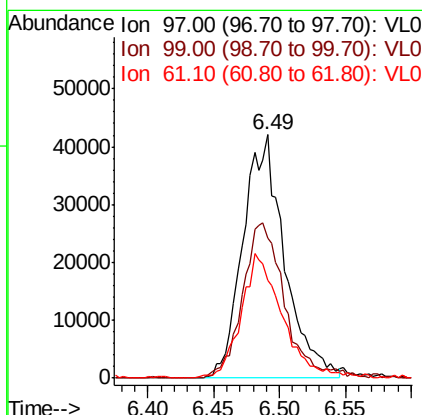
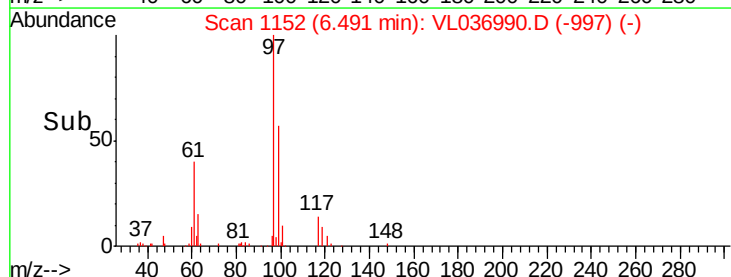
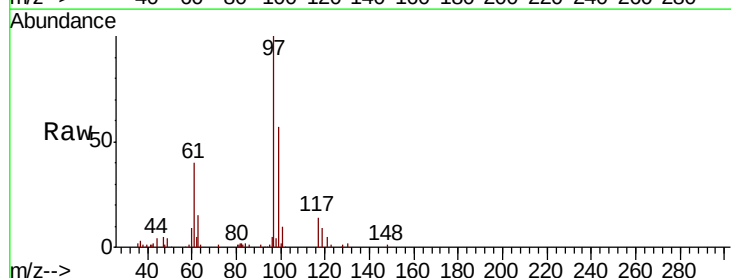
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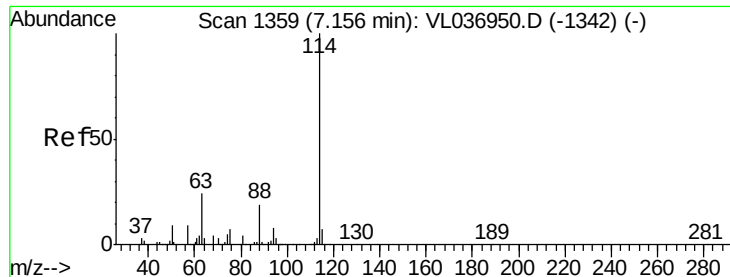
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#32
 1,1,1-Trichloroethane
 Concen: 0.402 ppbv m
 RT: 6.49 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		92189		
99	65.2	51.9	77.9		
61	0.0	37.6	56.4#		





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:114 Resp: 3766525

Ion Ratio Lower Upper

114 100

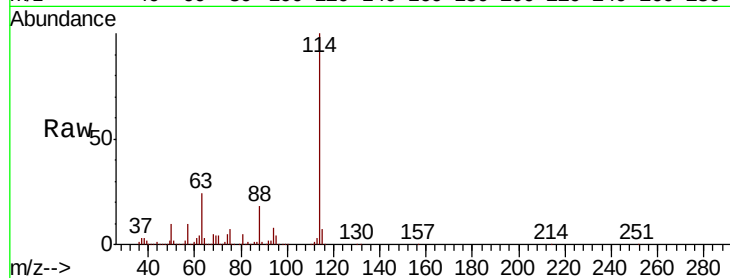
63 23.8 19.6 29.4

88 17.5 14.6 21.8

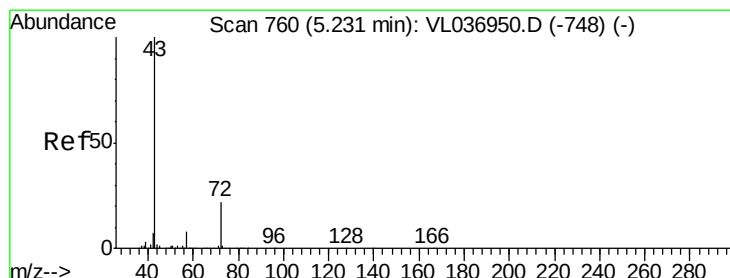
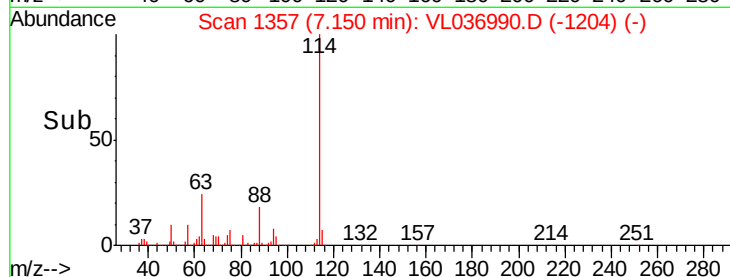
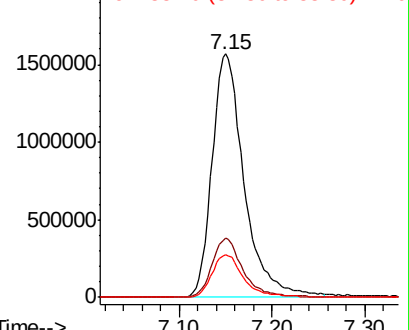
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Abundance Ion 114.10 (113.80 to 114.80): VL0
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.365 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.01 min

Lab File: VL036990.D

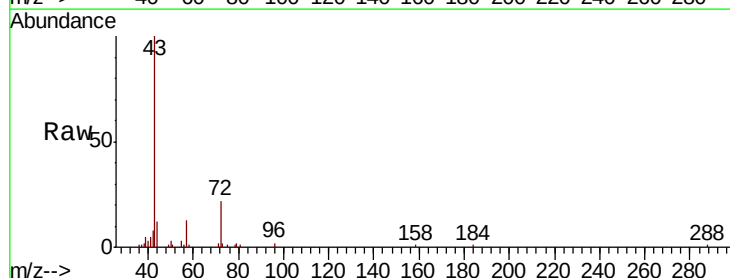
Acq: 19 May 2021 13:37

Tgt Ion: 43 Resp: 50033

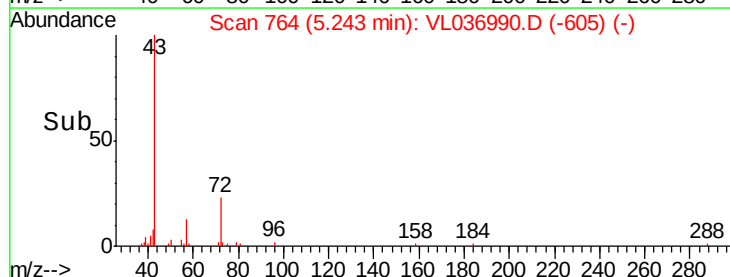
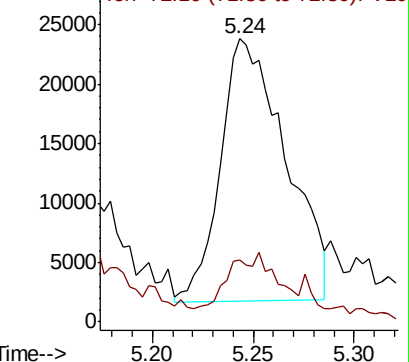
Ion Ratio Lower Upper

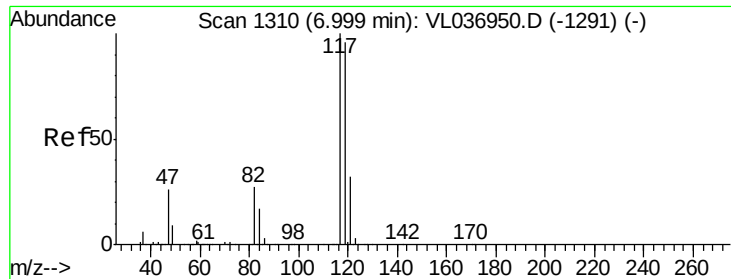
43 100

72 32.6 19.0 28.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.358 ppbv

RT: 7.00 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

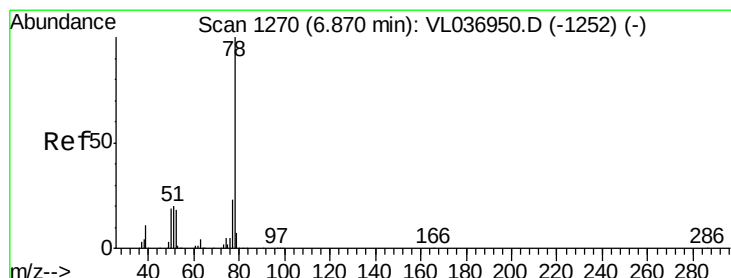
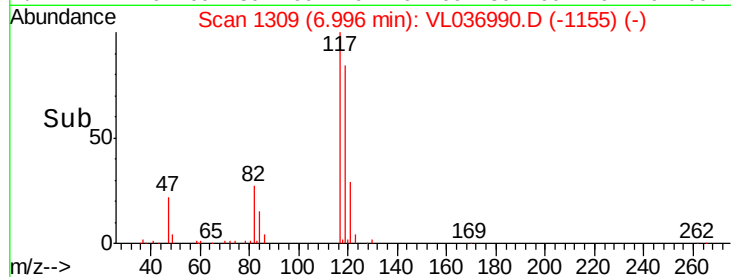
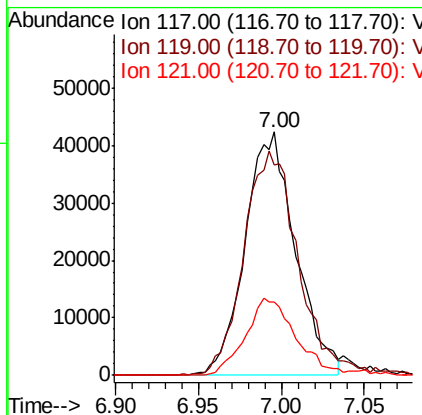
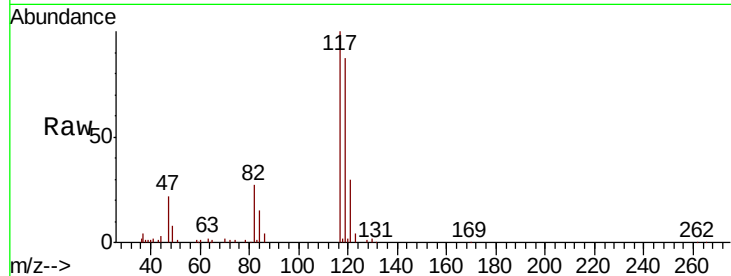
MDL-AIR-03-QT2-2021

Tot Ion:	117	Resp:	89562
Ion Ratio	Lower	Upper	
117	100		
119	86.2	76.6	114.8
121	30.3	25.8	38.6

Manual Integrations
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#36

Benzene

Concen: 0.417 ppbv

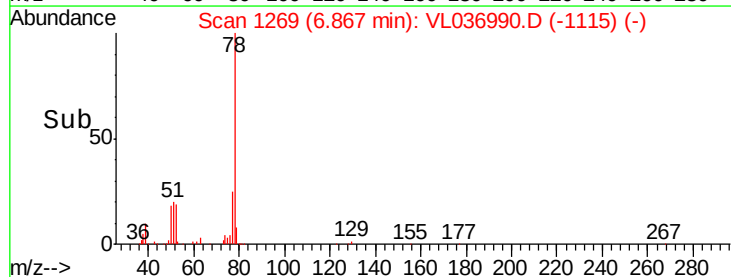
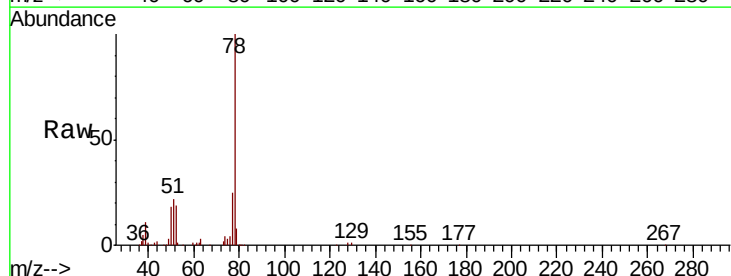
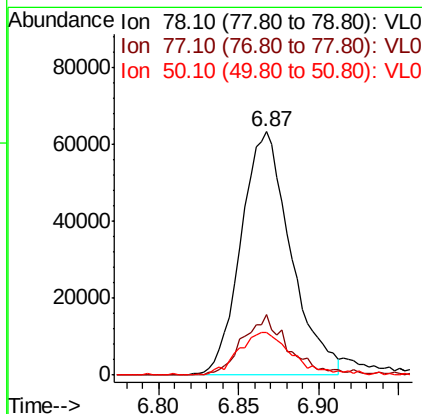
RT: 6.87 min Scan# 1269

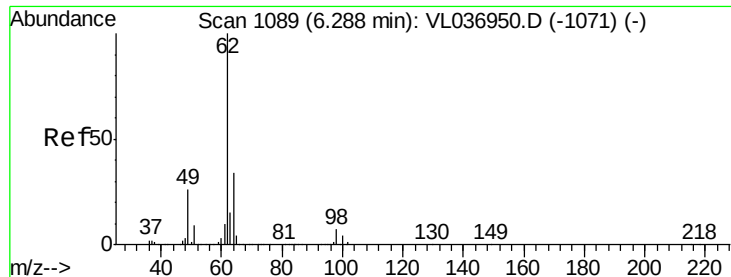
Delta R.T. -0.00 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Tgt Ion:	78	Resp:	135176
Ion Ratio	Lower	Upper	
78	100		
77	24.7	18.6	28.0
50	17.6	15.0	22.4





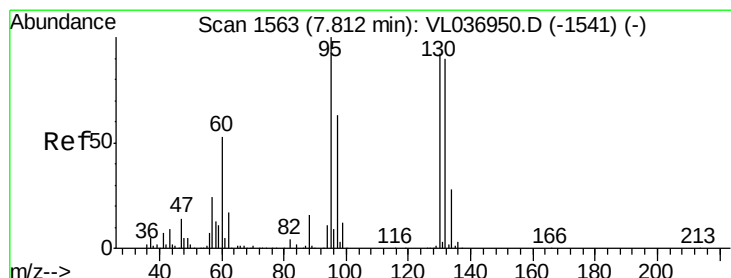
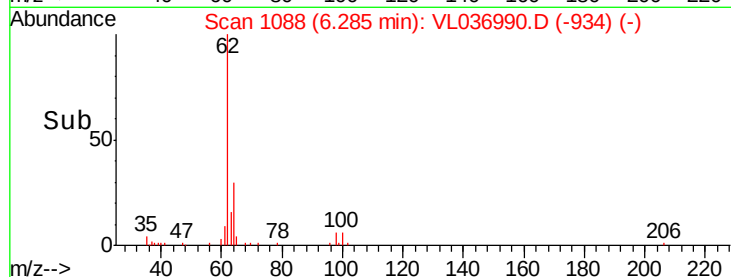
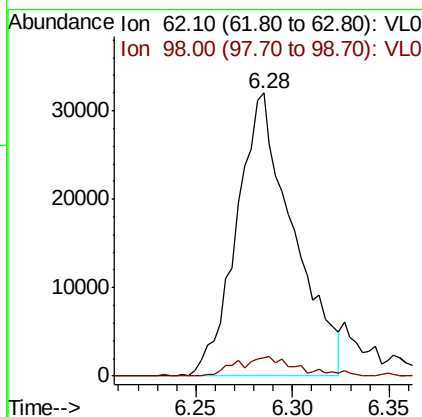
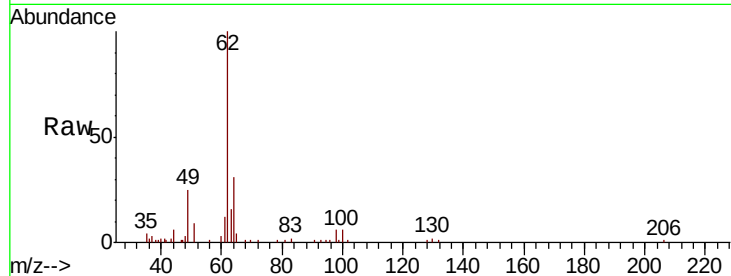
#37
 1,2-Dichloroethane
 Concen: 0.402 ppbv
 RT: 6.28 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Resp	Lower	Upper
62	100	64669		
98	7.6	5.5	8.3	

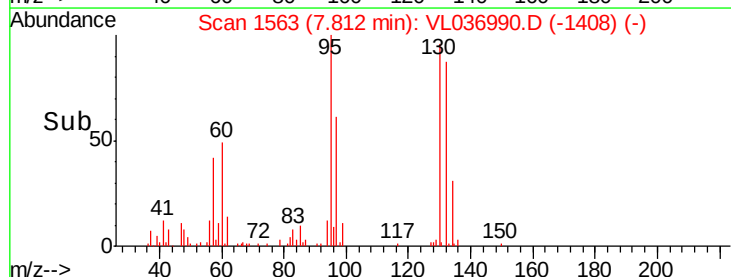
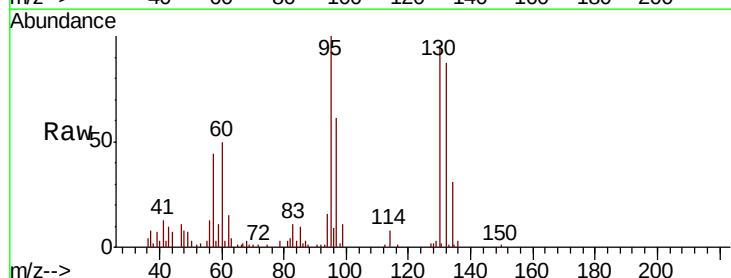
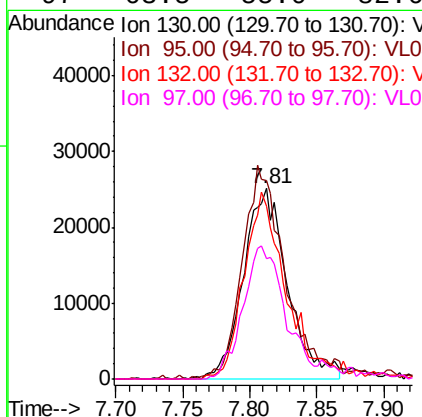
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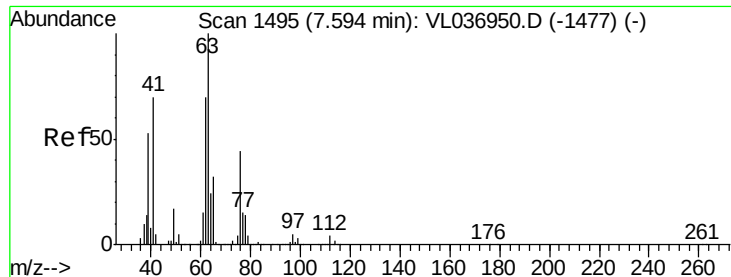
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#38
 Trichloroethene
 Concen: 0.414 ppbv m
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	57448		
95	104.1	86.9	130.3	
132	90.4	78.4	117.6	
97	63.5	55.0	82.6	





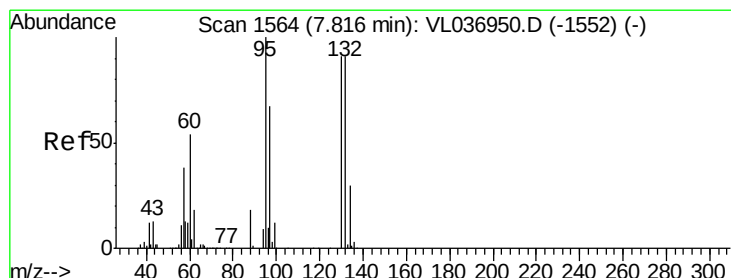
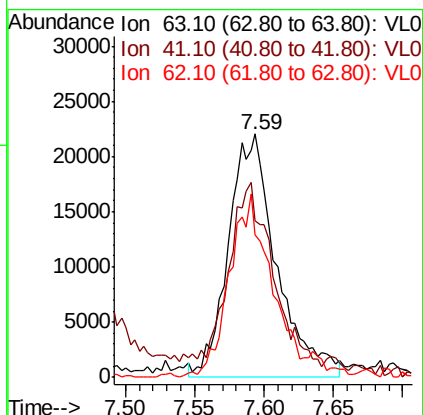
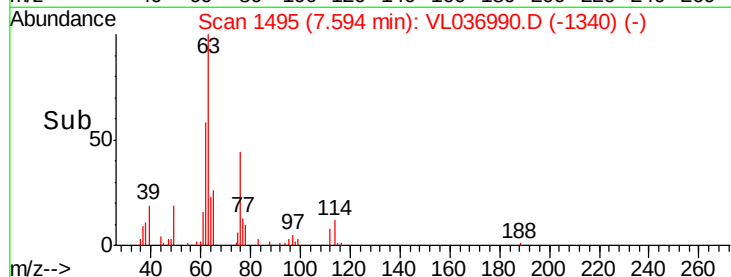
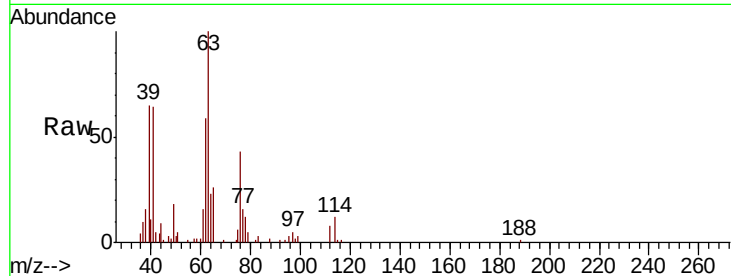
#39
 1,2-Dichloropropane
 Concen: 0.425 ppbv m
 RT: 7.59 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion:	63	Resp:	53058
Ion	Ratio	Lower	Upper
63	100		
41	64.4	55.7	83.5
62	58.5	56.2	84.4

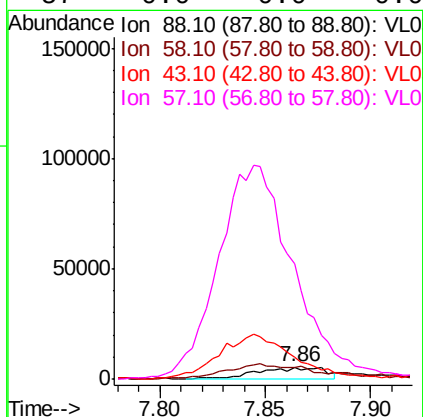
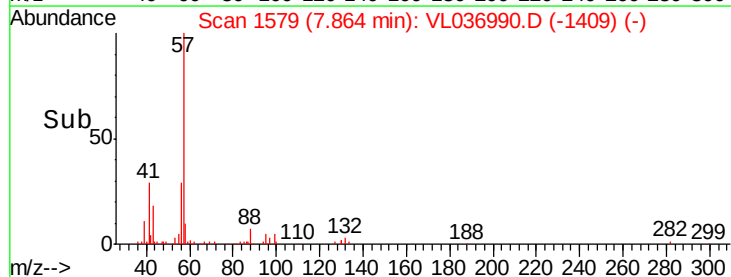
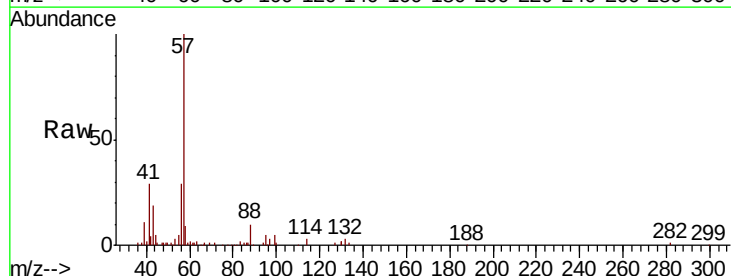
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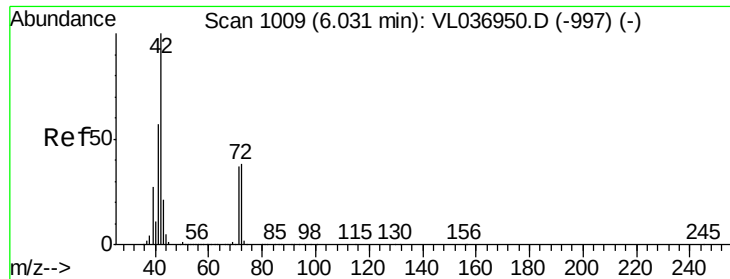
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#40
 1,4-Dioxane
 Concen: 0.399 ppbv m
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.05 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Tgt Ion:	88	Resp:	11782
Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





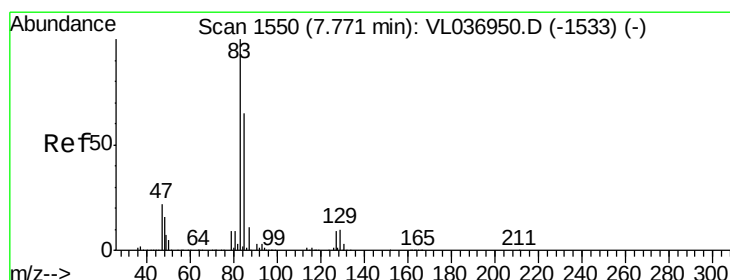
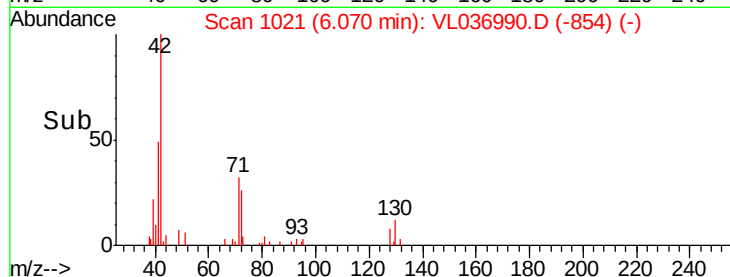
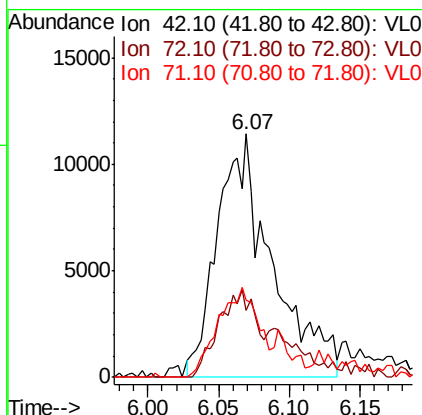
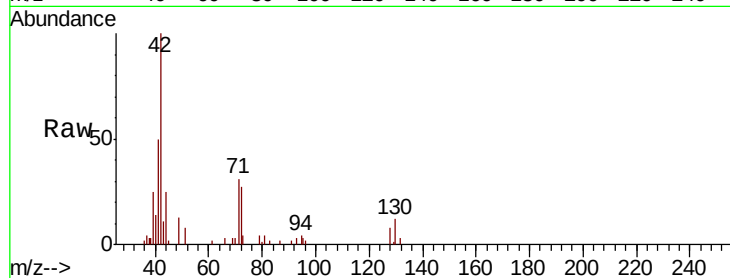
#41
Tetrahydrofuran
Concen: 0.391 ppbv m
RT: 6.07 min Scan# 1021
Delta R.T. 0.04 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.2#
71	0.0	30.4	45.6#

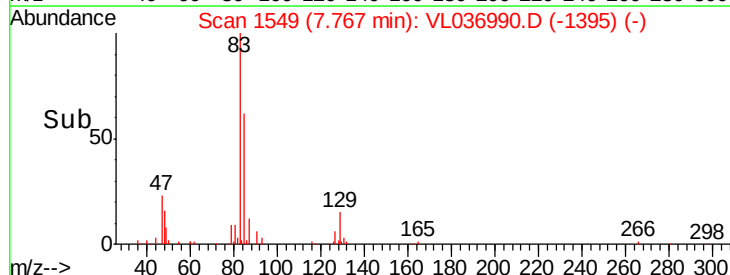
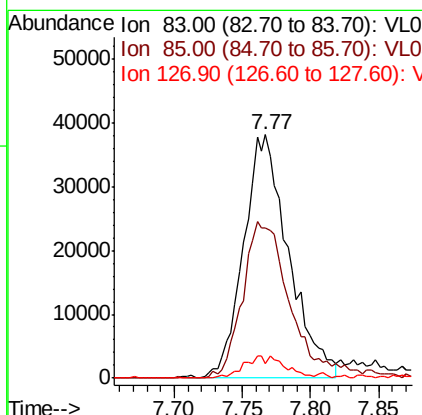
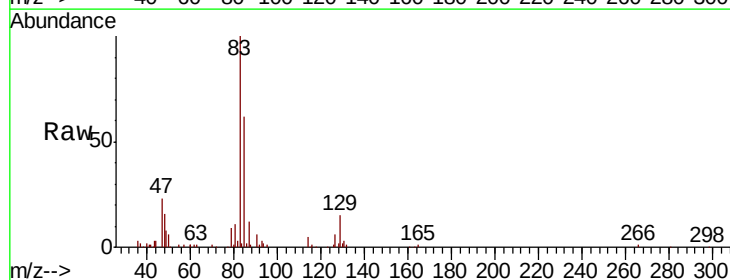
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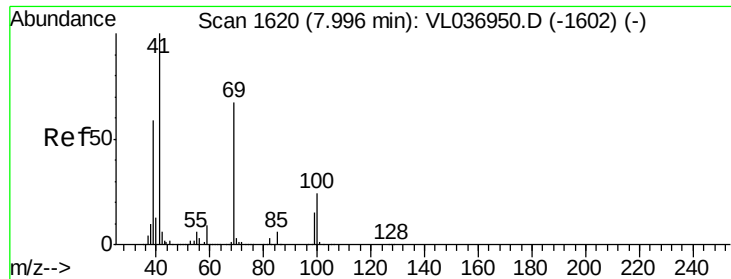
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#42
Bromodichloromethane
Concen: 0.359 ppbv m
RT: 7.77 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.7	77.5
127	6.2	6.9	10.3#





#43

Methyl Methacrylate

Concen: 0.354 ppbv m

RT: 8.00 min Scan# 1622

Delta R.T. 0.01 min

Lab File: VL036990.D

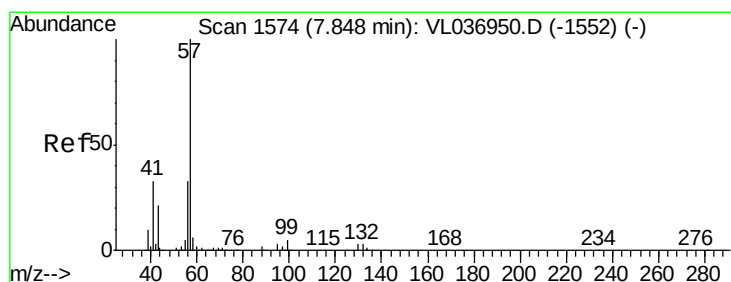
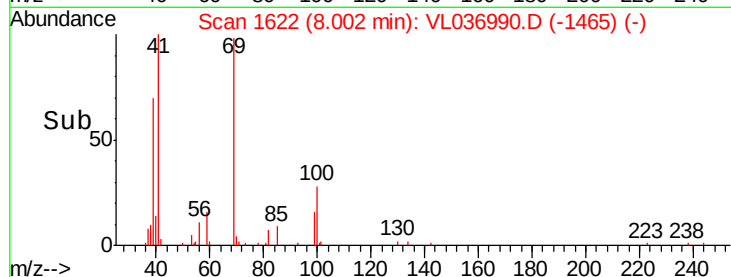
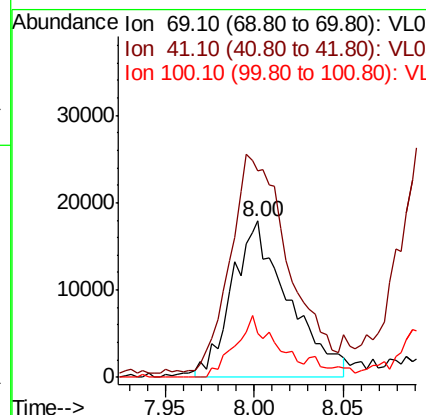
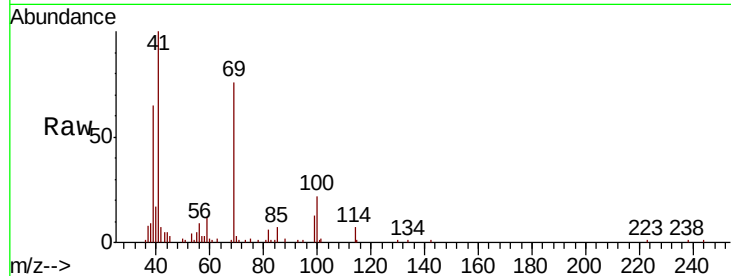
Acq: 19 May 2021 13:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		39621		
41	149.4	118.6	178.0		
100	34.4	28.2	42.4		

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 0.437 ppbv

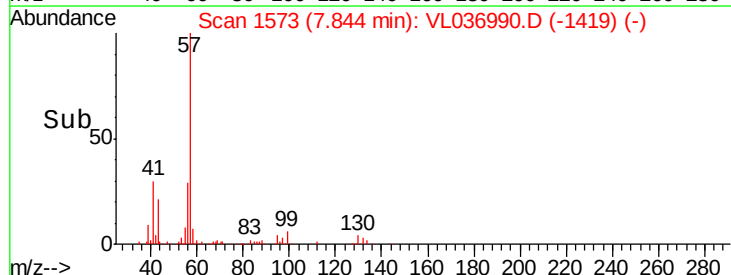
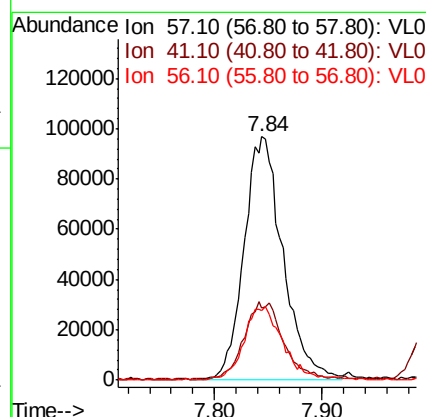
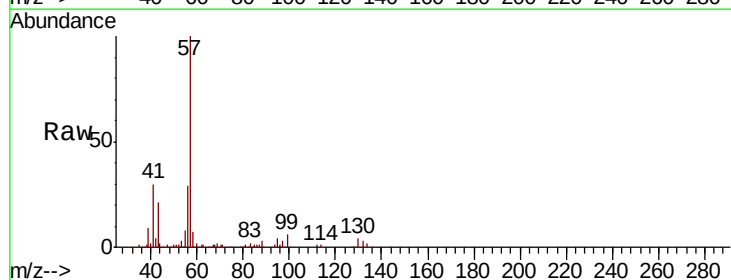
RT: 7.84 min Scan# 1573

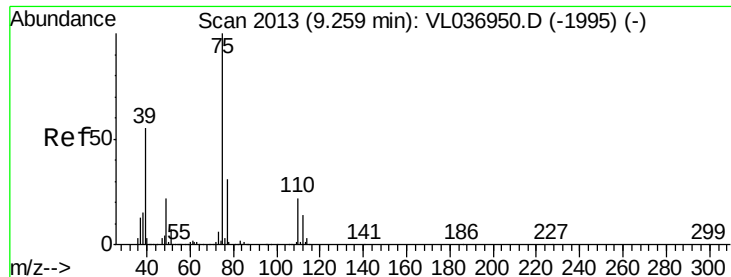
Delta R.T. -0.00 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		243108		
41	33.2	27.0	40.4		
56	30.7	25.4	38.2		





#45

t-1,3-Dichloropropene

Concen: 0.237 ppbv m

RT: 9.26 min Scan# 2012

Delta R.T. -0.00 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 75 Resp: 20222

Ion Ratio Lower Upper

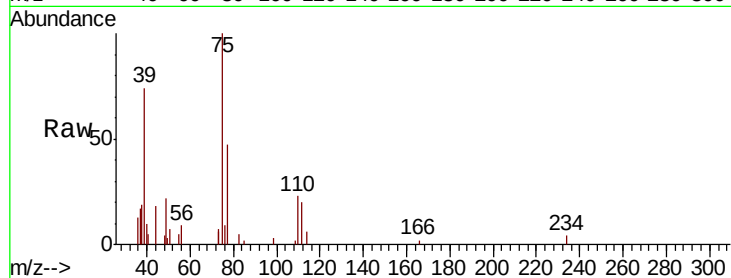
75 100

77 46.8 24.4 36.6#

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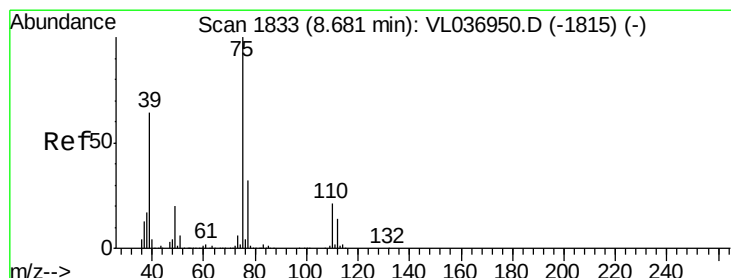
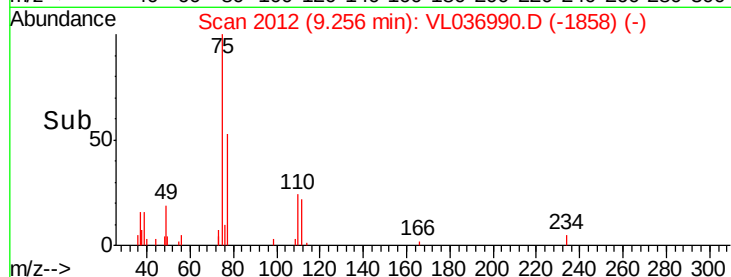
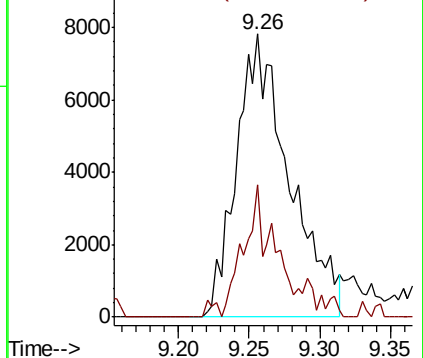
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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.273 ppbv m

RT: 8.68 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

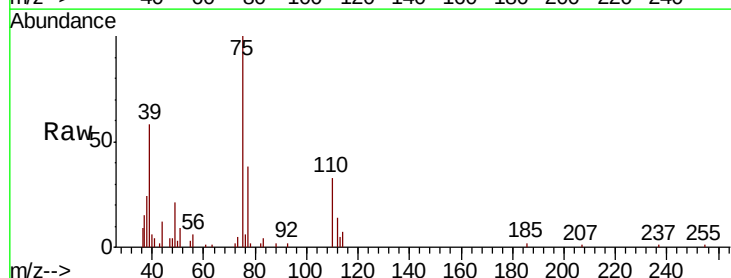
Tgt Ion: 75 Resp: 31405

Ion Ratio Lower Upper

75 100

39 58.1 51.5 77.3

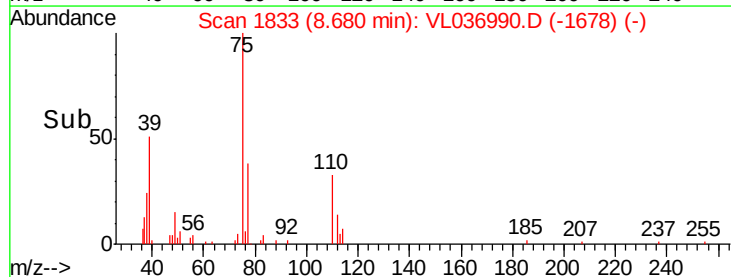
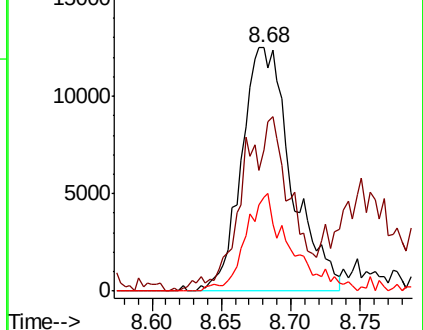
77 38.3 25.9 38.9

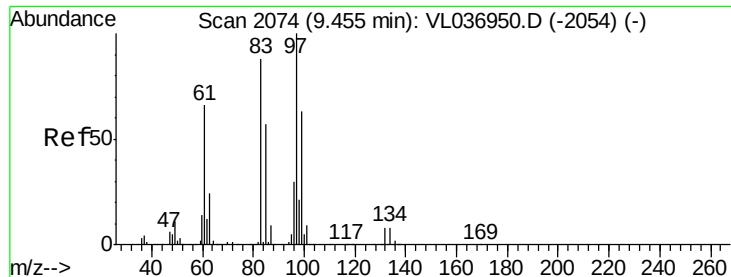


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





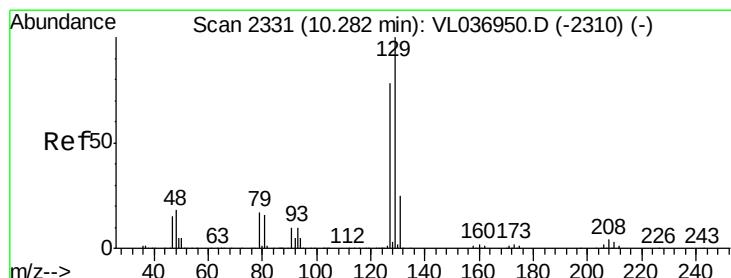
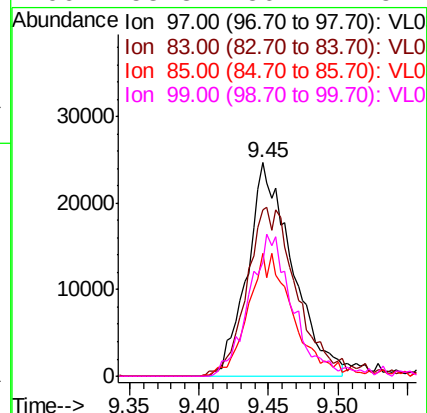
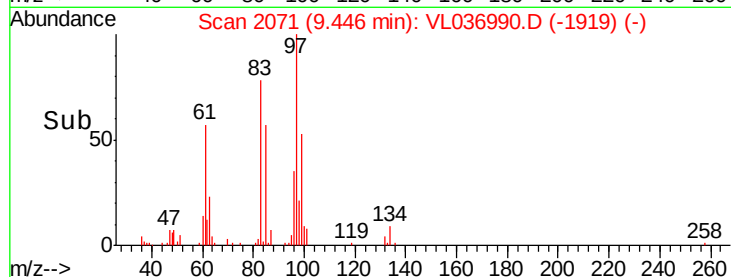
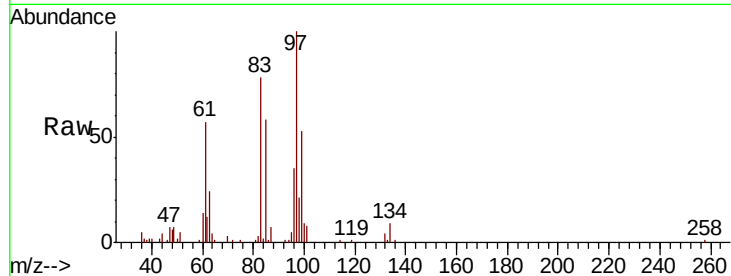
#47
 1,1,2-Trichloroethane
 Concen: 0.426 ppbv m
 RT: 9.45 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion	97	Resp	55777
Ion	Ratio	Lower	Upper
97	100		
83	78.0	70.4	105.6
85	57.6	45.5	68.3
99	53.3	50.2	75.2

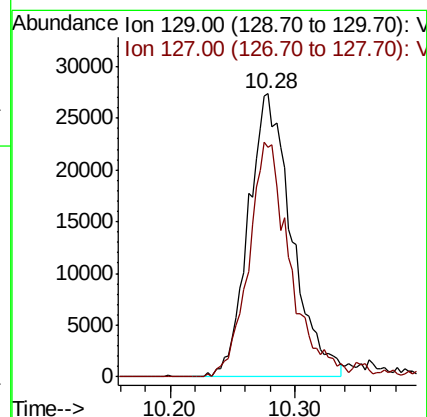
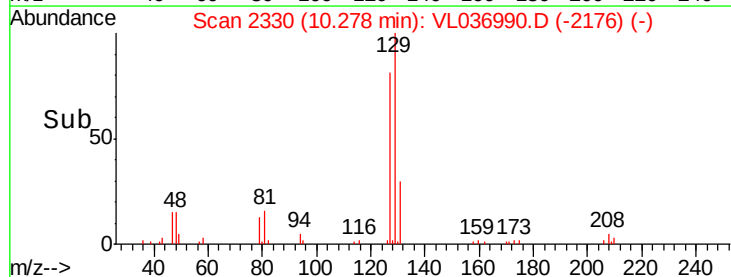
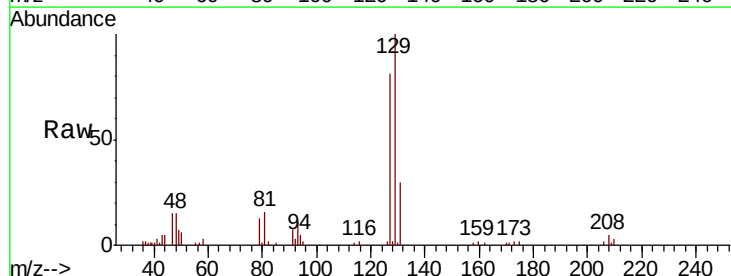
Manual Integrations
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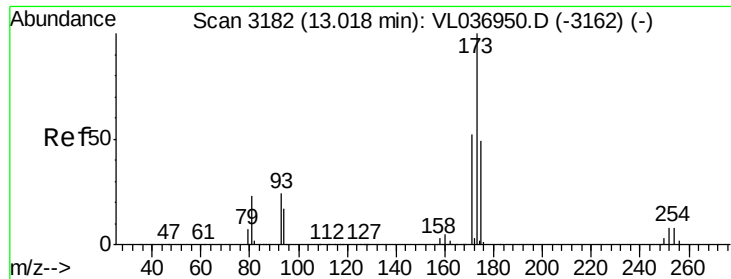
SAM
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#48
 Dibromochloromethane
 Concen: 0.311 ppbv m
 RT: 10.28 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Tgt Ion	129	Resp	65790
Ion	Ratio	Lower	Upper
129	100		
127	81.2	39.3	117.8





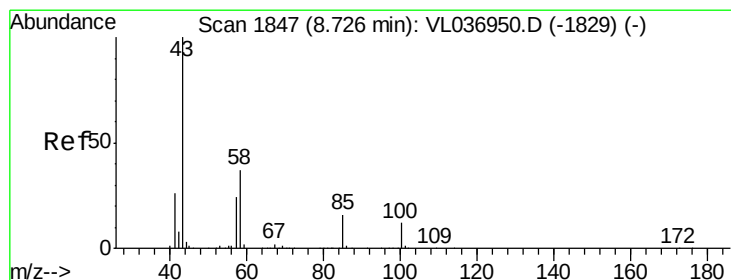
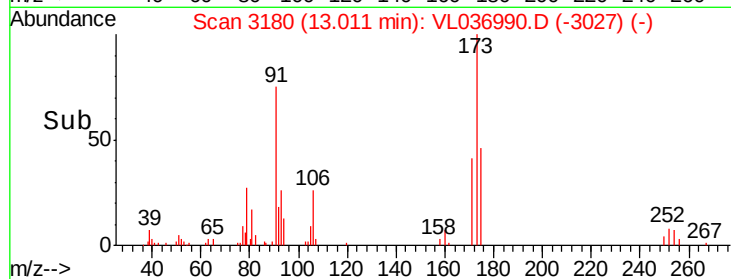
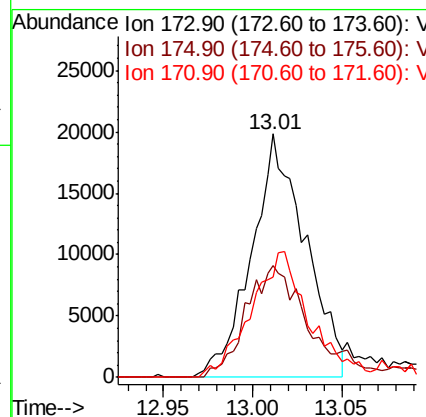
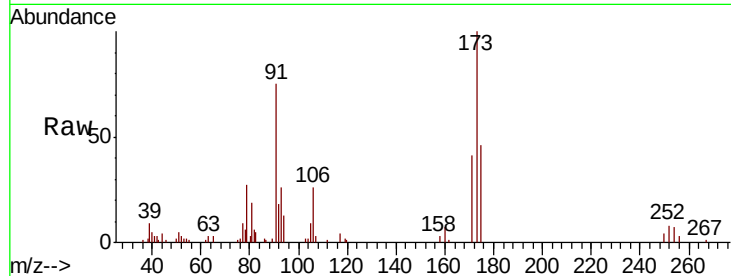
#49
Bromoform
Concen: 0.239 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. -0.01 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
173	100		
175	57.8	40.4	60.6
171	58.7	42.6	64.0

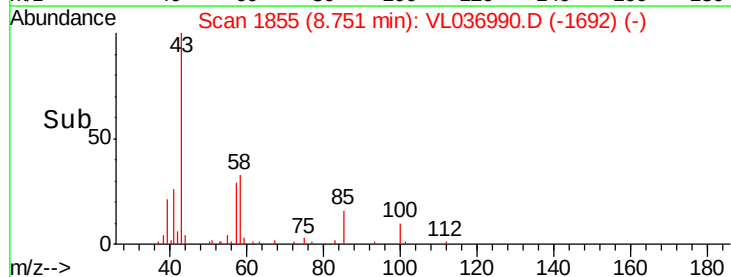
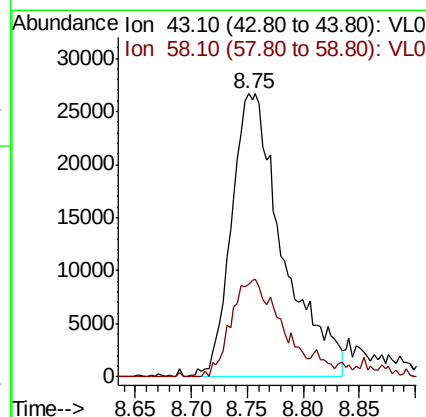
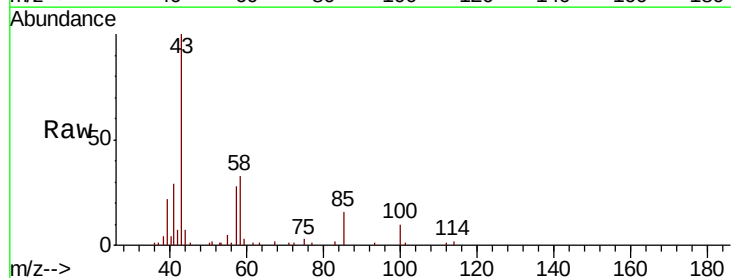
Manual Integrations
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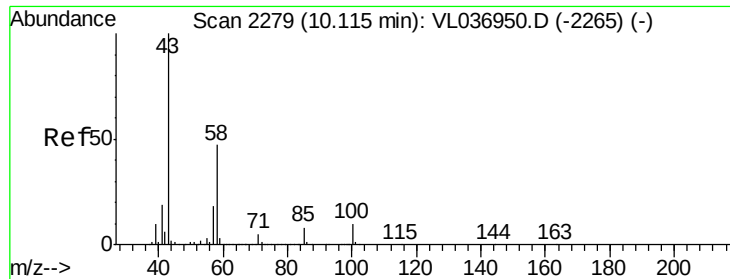
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#50
4-Methyl-2-Pentanone
Concen: 0.377 ppbv m
RT: 8.75 min Scan# 1855
Delta R.T. 0.03 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.4	44.2#





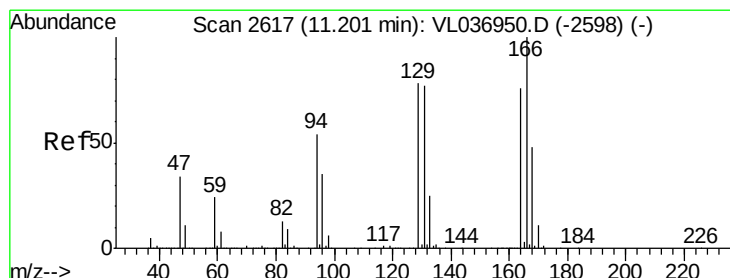
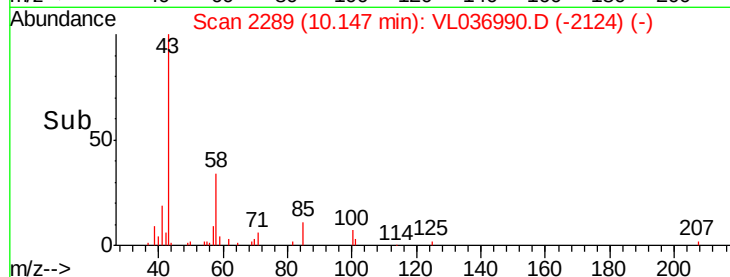
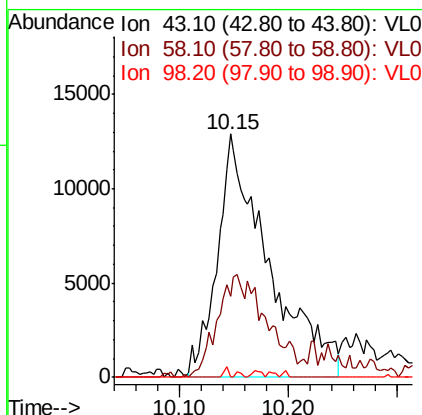
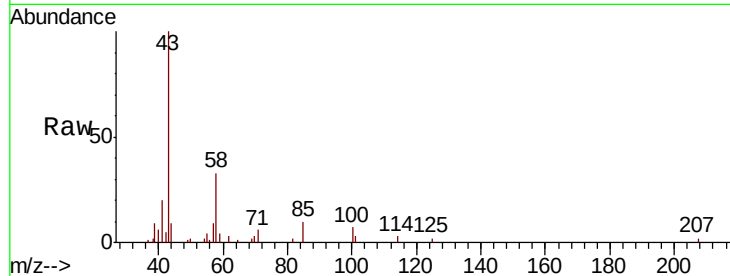
#51
2-Hexanone
Concen: 0.354 ppbv m
RT: 10.15 min Scan# 2289
Delta R.T. 0.03 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.1	61.7#
98	0.0	0.1	0.1#

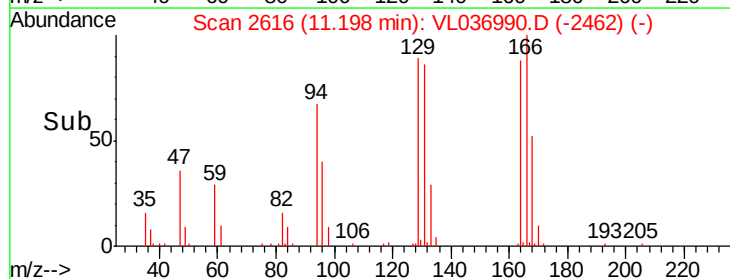
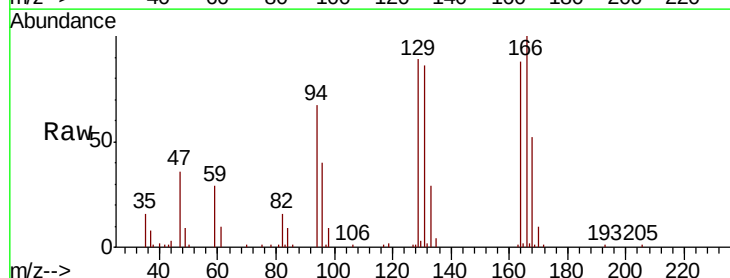
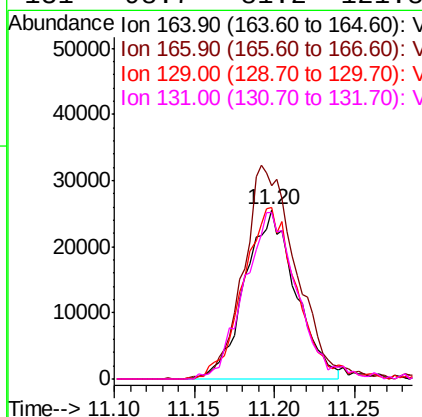
Manual Integrations
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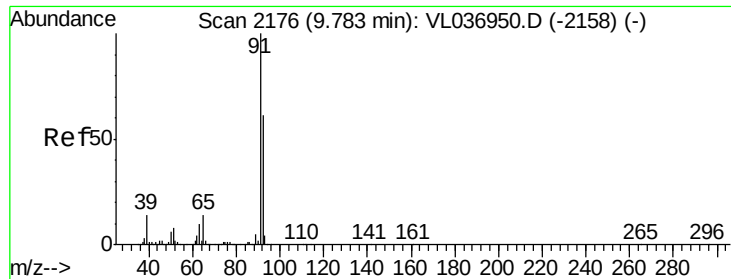
SAM
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#52
Tetrachloroethene
Concen: 0.429 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.00 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.6	105.5	158.3
129	100.6	81.8	122.8
131	98.7	81.2	121.8





#53

Toluene

Concen: 0.401 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 91 Resp: 154667

Ion Ratio Lower Upper

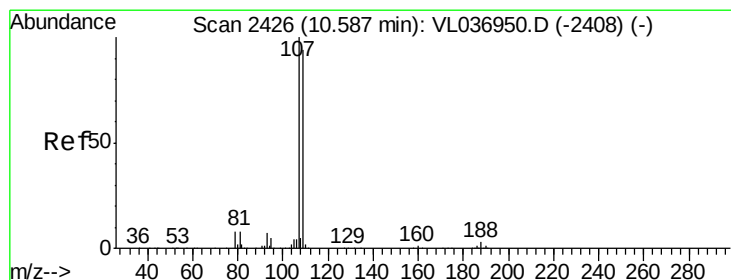
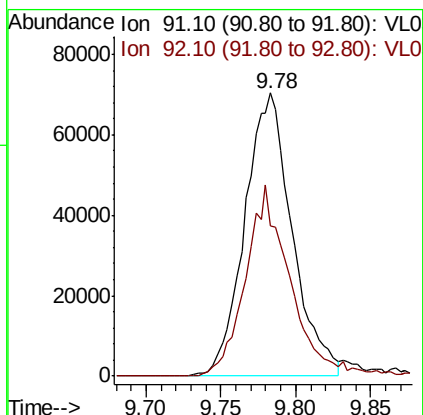
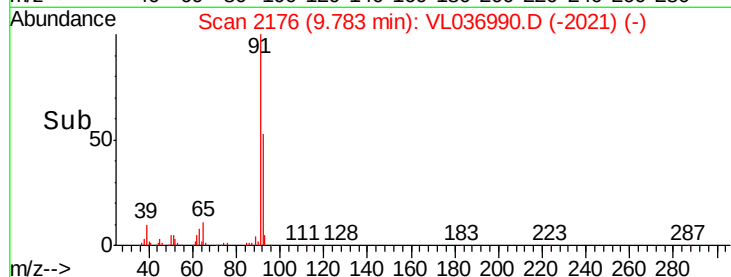
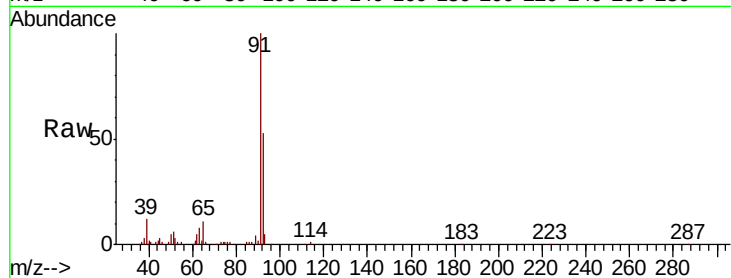
91 100

92 64.0 49.5 74.3

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 0.402 ppbv m

RT: 10.59 min Scan# 2426

Delta R.T. -0.00 min

Lab File: VL036990.D

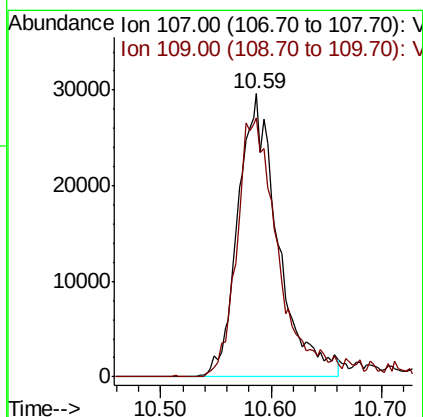
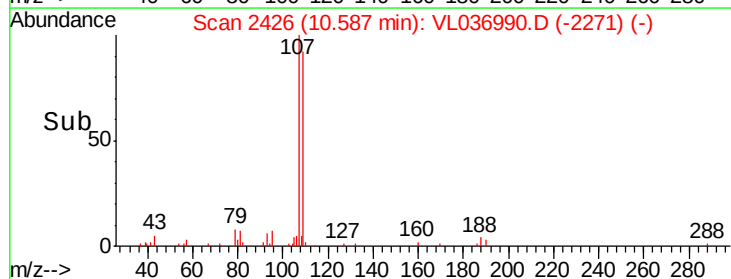
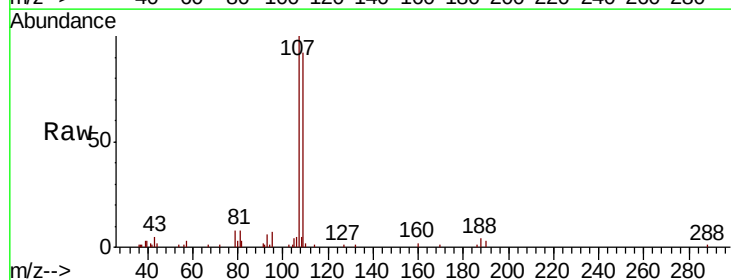
Acq: 19 May 2021 13:37

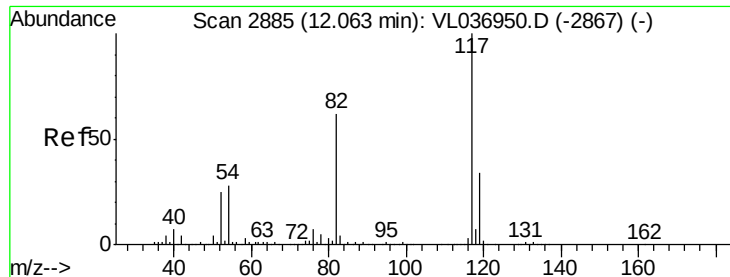
Tgt Ion: 107 Resp: 74721

Ion Ratio Lower Upper

107 100

109 91.6 75.0 112.4





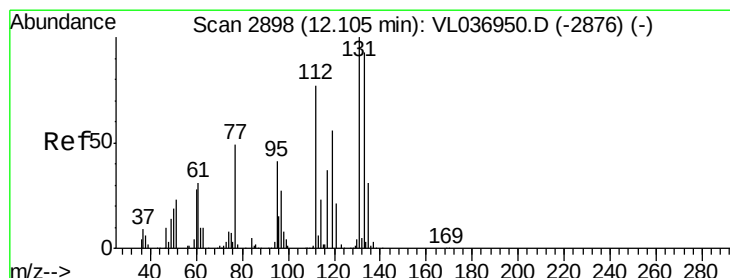
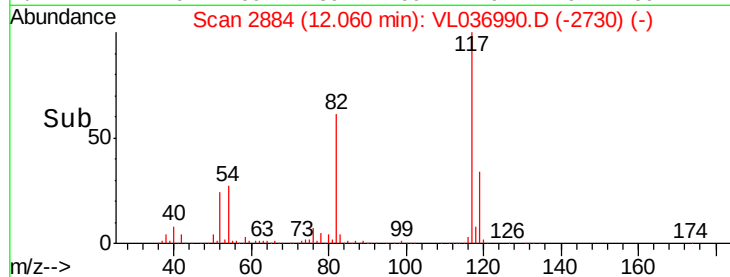
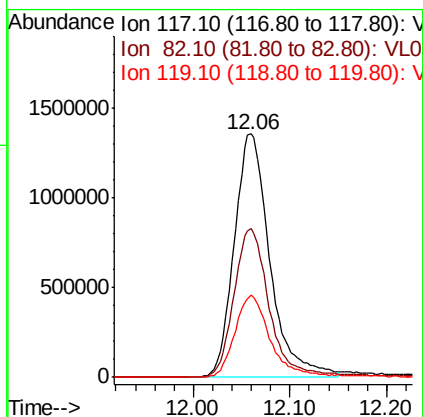
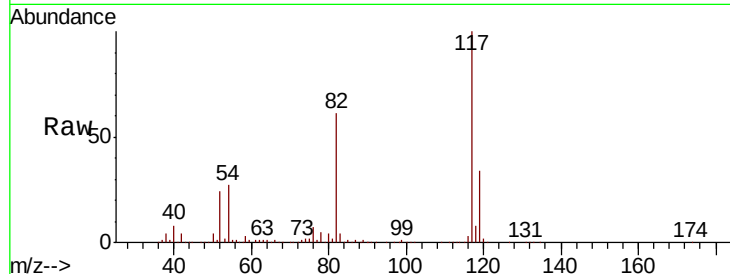
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion:117 Resp: 3487148
Ion Ratio Lower Upper
117 100
82 63.0 52.6 79.0
119 34.5 46.6 70.0#

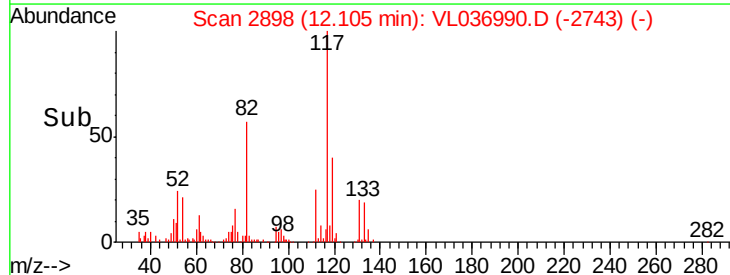
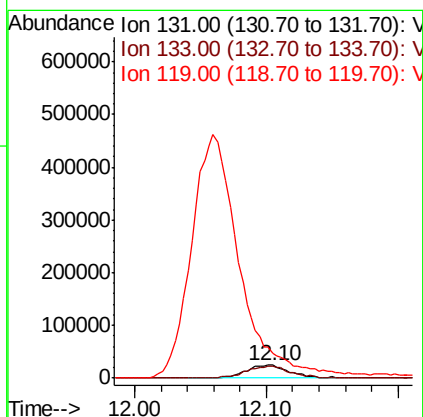
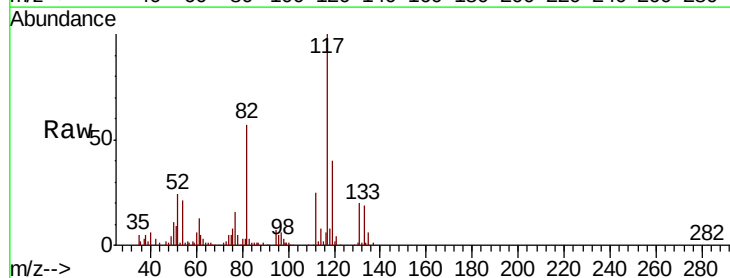
Manual Integrations
APPROVED

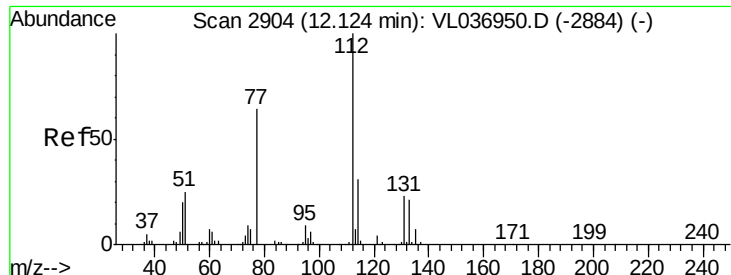
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.377 ppbv m
RT: 12.10 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Tgt Ion:131 Resp: 55379
Ion Ratio Lower Upper
131 100
133 96.7 76.9 115.3
119 0.0 120.2 180.4#





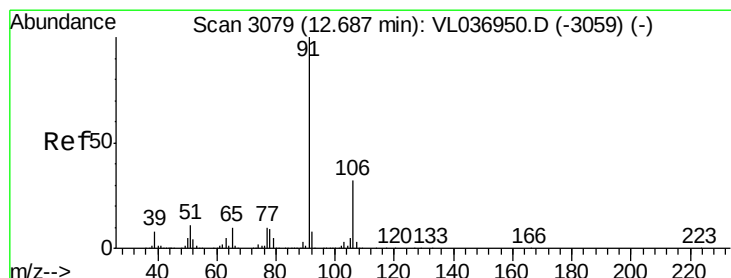
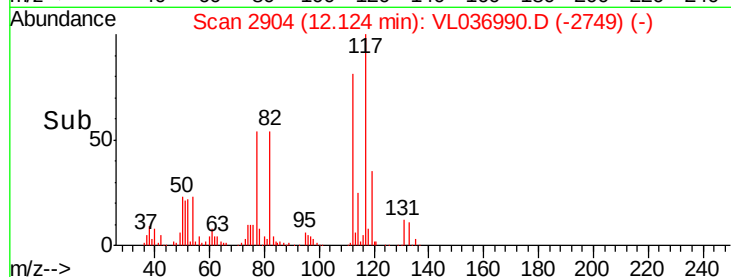
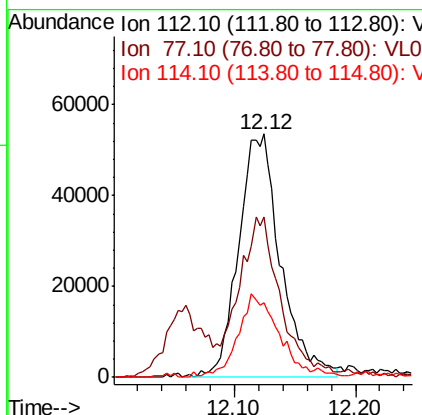
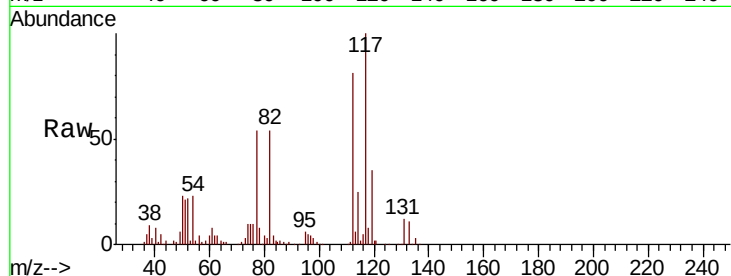
#57
Chlorobenzene
Concen: 0.471 ppbv m
RT: 12.12 min Scan# 2904
Delta R.T. -0.00 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
112	100		
77	65.8	51.0	76.6
114	30.9	28.3	34.5

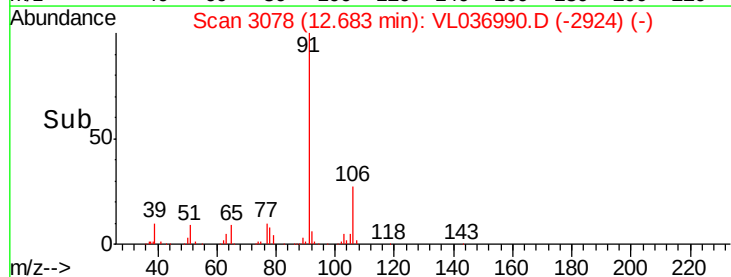
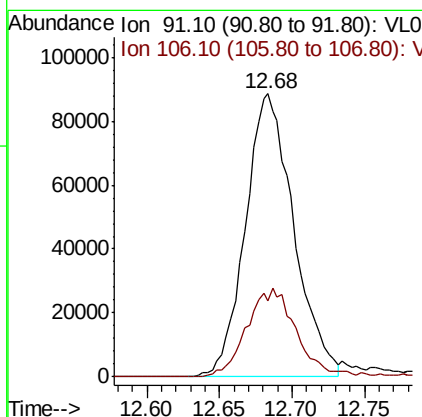
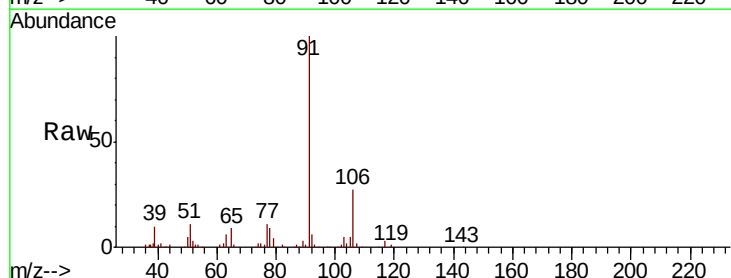
Manual Integrations
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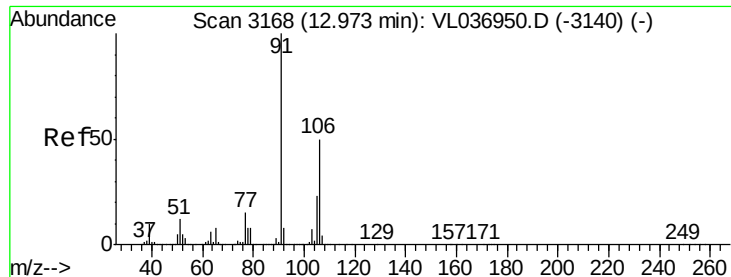
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#58
Ethyl Benzene
Concen: 0.417 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.00 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.0	25.6	38.4





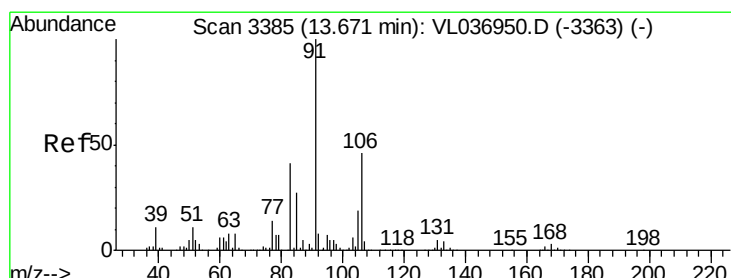
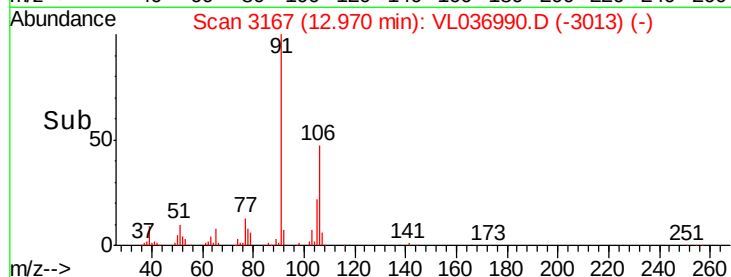
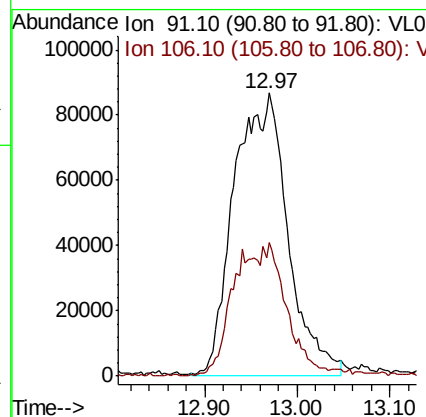
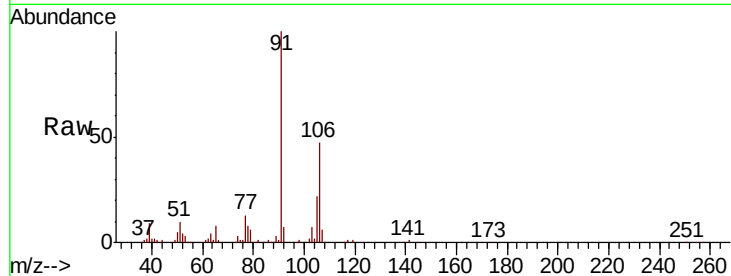
#59
m/p-Xylene
Concen: 0.864 ppbv m
RT: 12.97 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion: 91 Resp: 351621
Ion Ratio Lower Upper
91 100
106 46.7 37.4 56.2

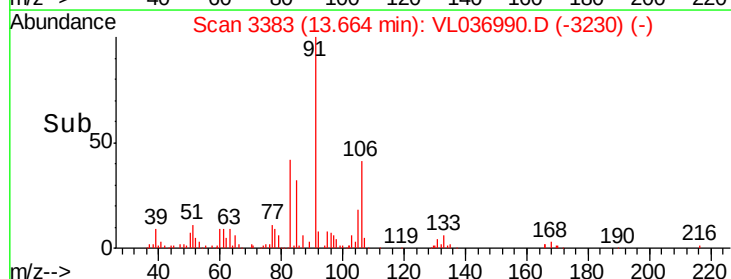
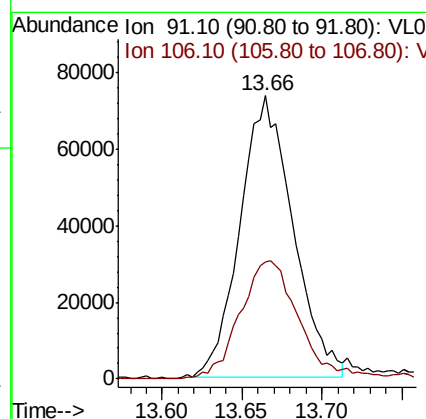
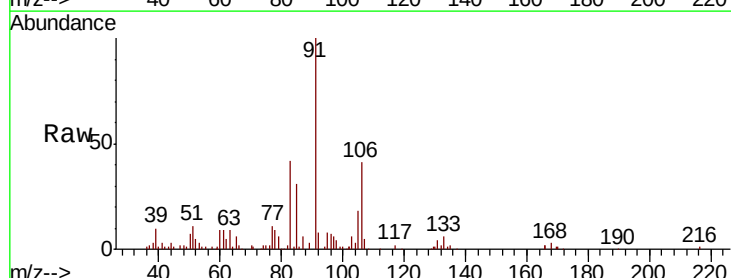
Manual Integrations
APPROVED

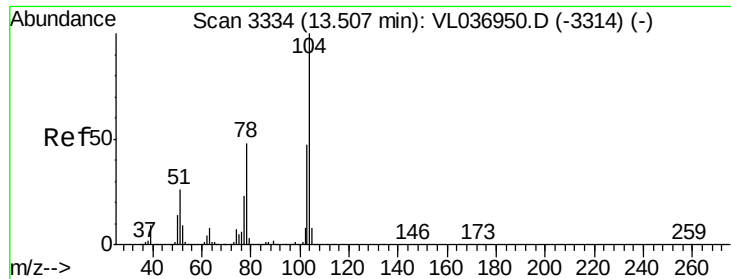
SAM
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#60
o-Xylene
Concen: 0.430 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.01 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Tgt Ion: 91 Resp: 166699
Ion Ratio Lower Upper
91 100
106 47.6 23.4 70.3





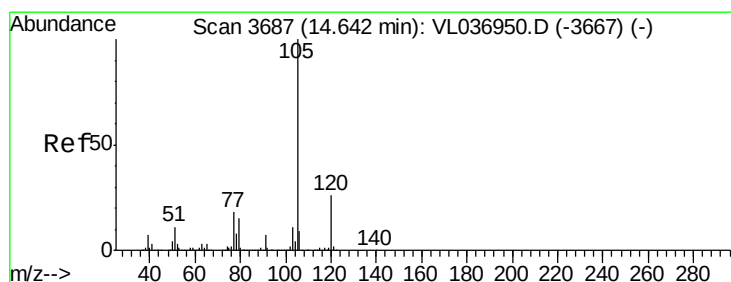
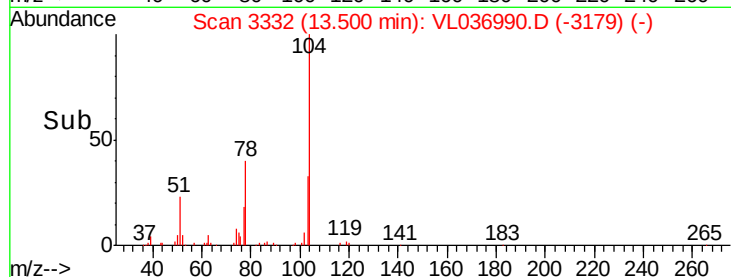
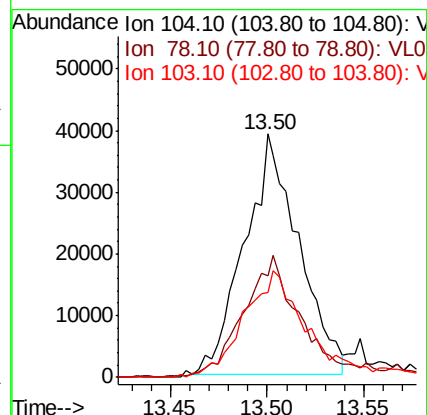
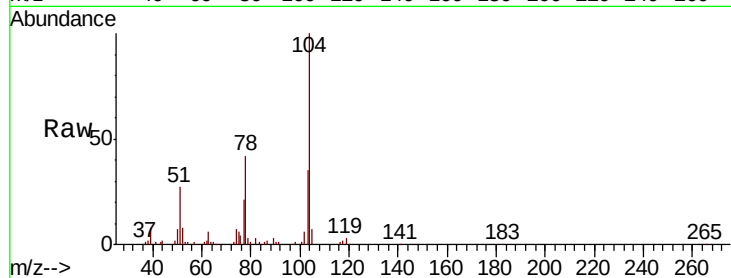
#61
Stvrene
Concen: 0.346 ppbv
RT: 13.50 min Scan# 3332
Delta R.T. -0.01 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.0	39.0	58.6
103	53.1	38.0	57.0

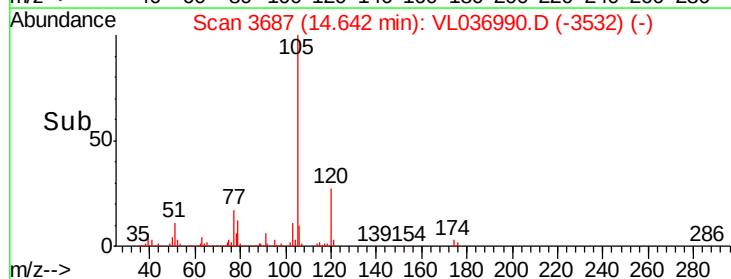
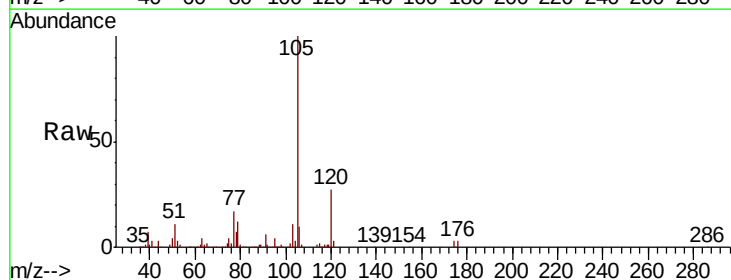
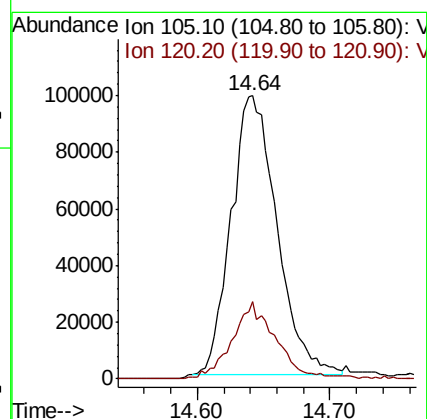
Manual Integrations
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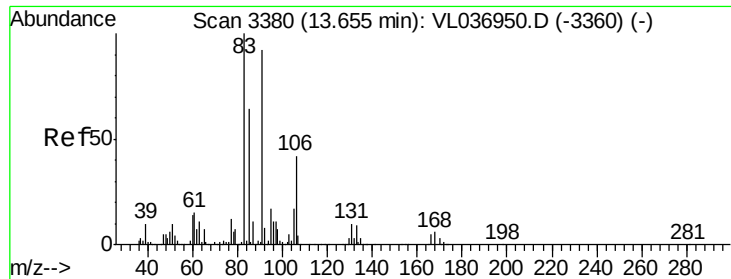
SAM
5/24/2021 5:09:36 PM



#62
Isopropylbenzene
Concen: 0.425 ppbv
RT: 14.64 min Scan# 3687
Delta R.T. -0.00 min
Lab File: VL036990.D
Acq: 19 May 2021 13:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.7	32.5





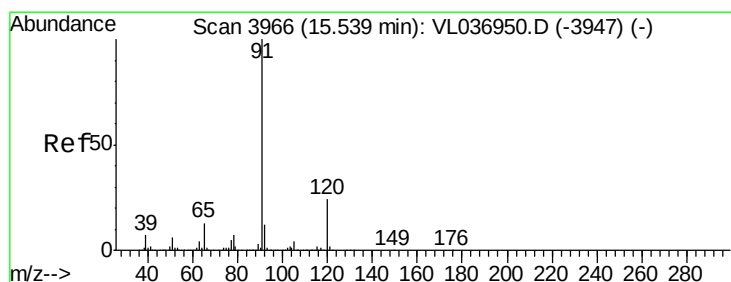
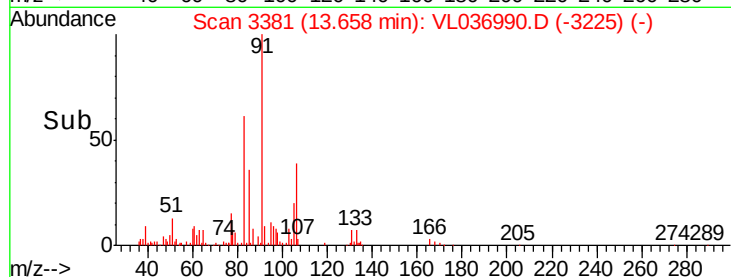
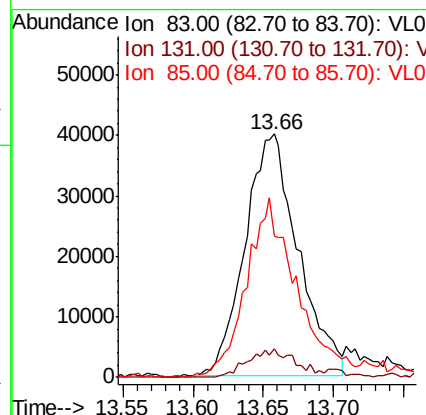
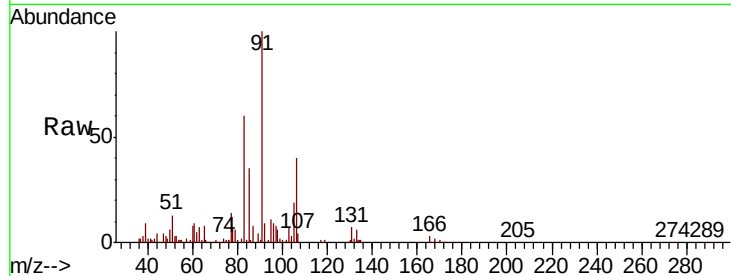
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.362 ppbv
 RT: 13.66 min Scan# 3381
 Delta R.T. 0.00 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion	83	Resp	104984
Ion Ratio	100	Lower	Upper
83	100		
131	11.8	5.0	15.0
85	77.1	32.9	98.6

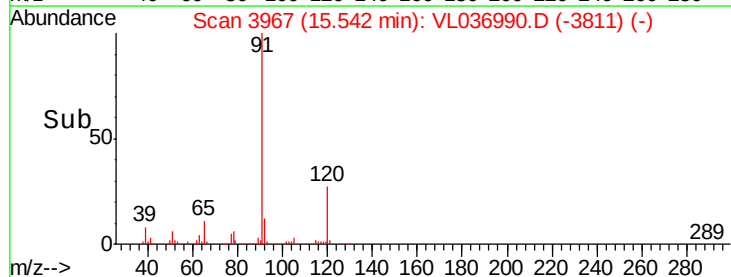
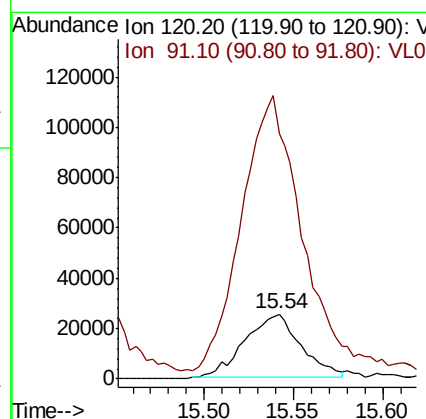
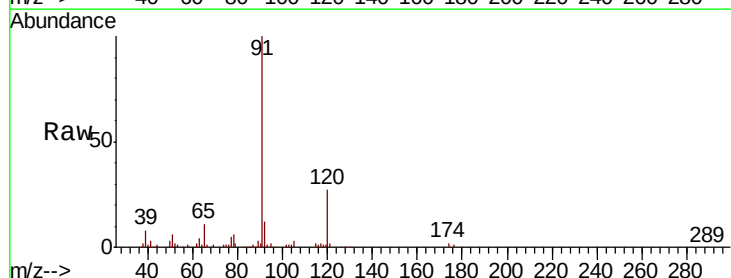
Manual Integrations
 APPROVED

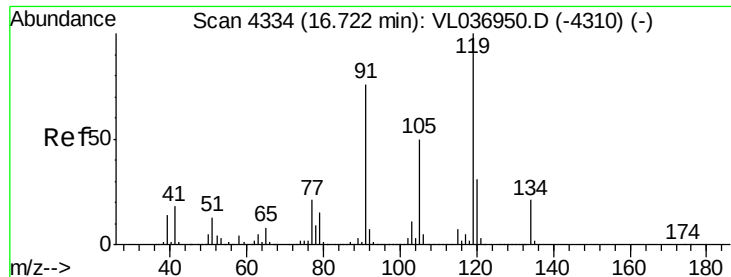
SAM
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#64
 n-propylbenzene
 Concen: 0.384 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. 0.00 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Tgt Ion	120	Resp	55229
Ion Ratio	100	Lower	Upper
120	100		
91	539.3	343.8	515.6#





#65

tert-Butylbenzene

Concen: 0.454 ppbv m

RT: 16.73 min Scan# 4335

Delta R.T. 0.00 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

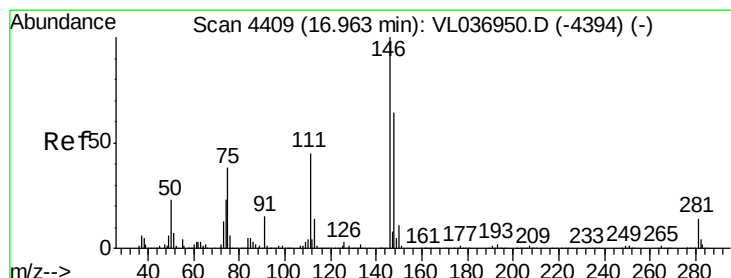
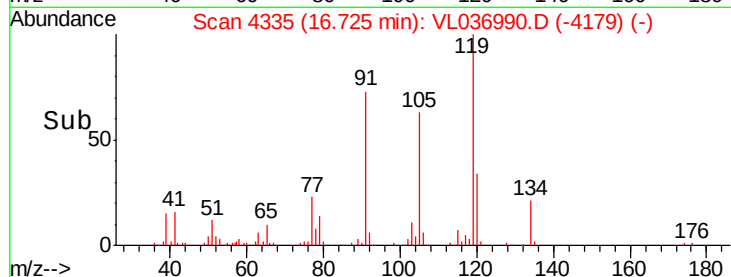
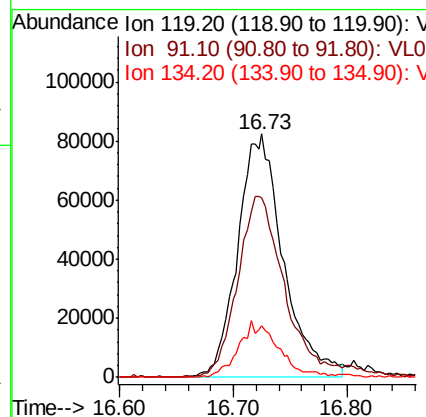
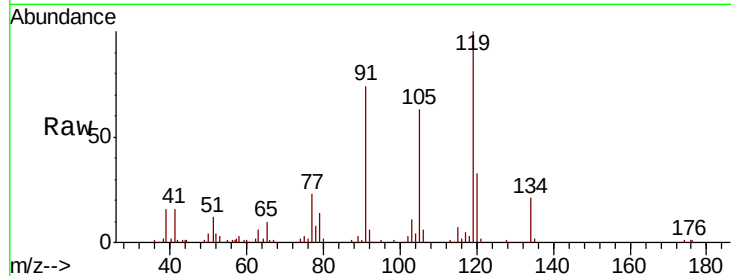
MDL-AIR-03-QT2-2021

Tot Ion:	119	Resp:	228672
Ion Ratio	Lower	Upper	
119	100		
91	0.0	61.9	92.9#
134	20.8	16.2	24.4

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.275 ppbv m

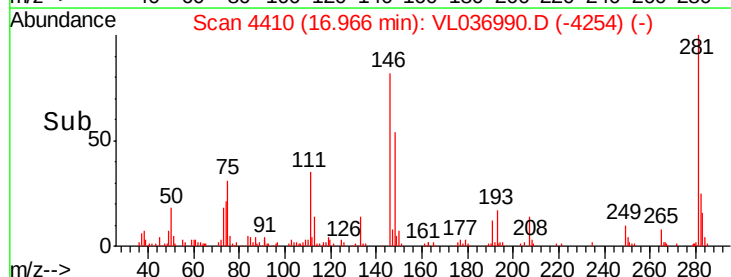
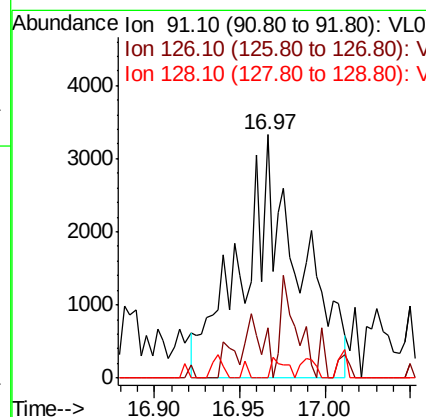
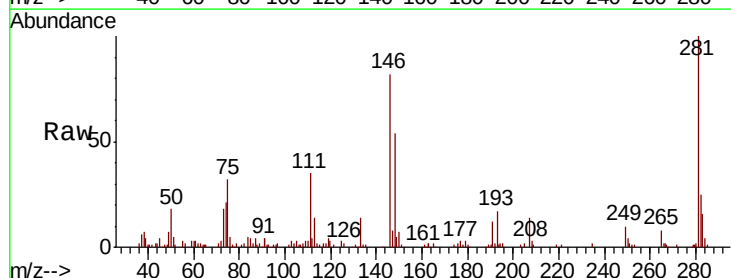
RT: 16.97 min Scan# 4410

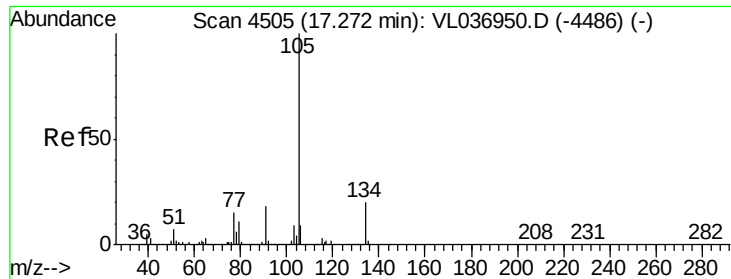
Delta R.T. 0.00 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Tgt Ion:	91	Resp:	7675
Ion Ratio	Lower	Upper	
91	100		
126	0.9	16.5	24.7#
128	0.0	5.5	8.3#





#67

sec-Butylbenzene

Concen: 0.413 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 105 Resp: 283555

Ion Ratio Lower Upper

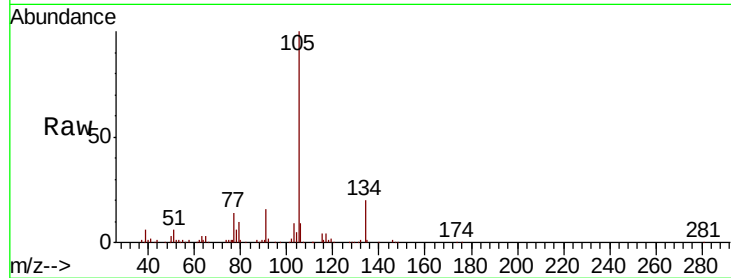
105 100

134 19.7 15.6 23.4

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.27

120000

100000

80000

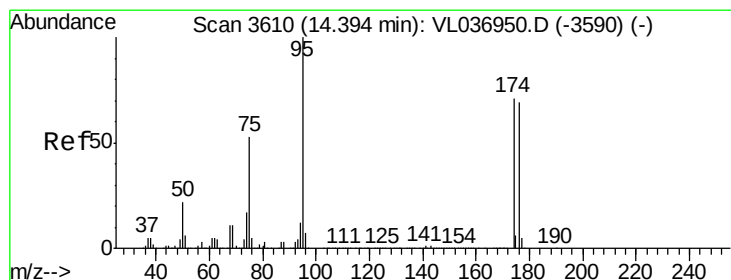
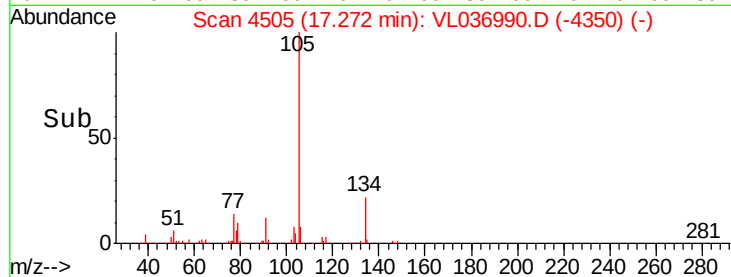
60000

40000

20000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.957 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.01 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

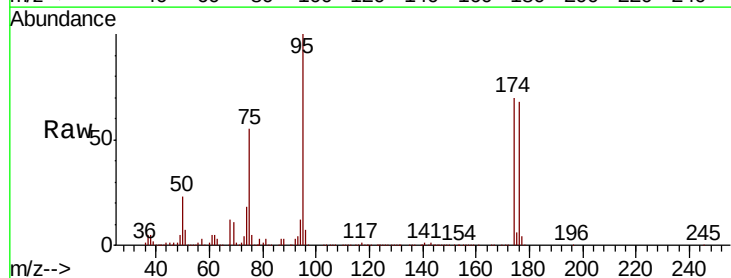
Tgt Ion: 95 Resp: 2608425

Ion Ratio Lower Upper

95 100

174 75.0 58.4 87.6

175 5.4 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

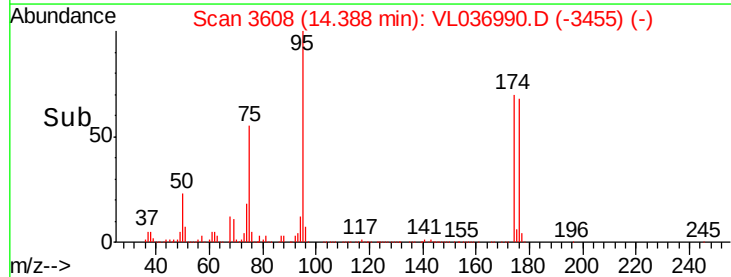
14.39

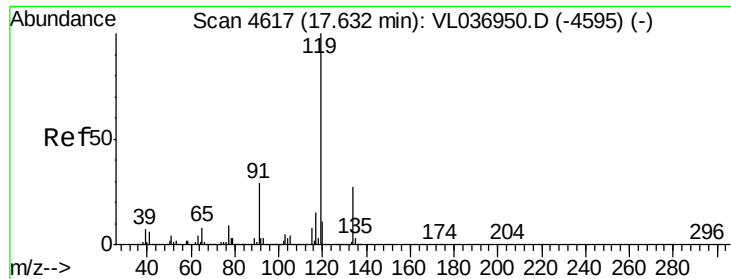
1000000

500000

0

Time-->





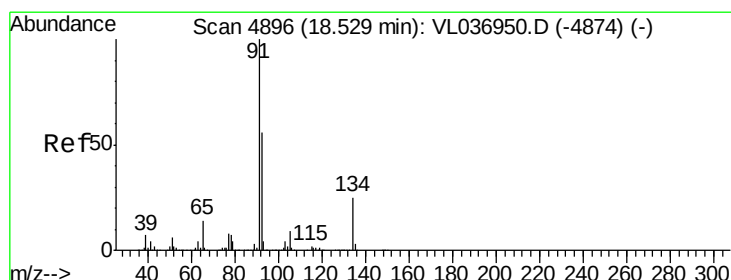
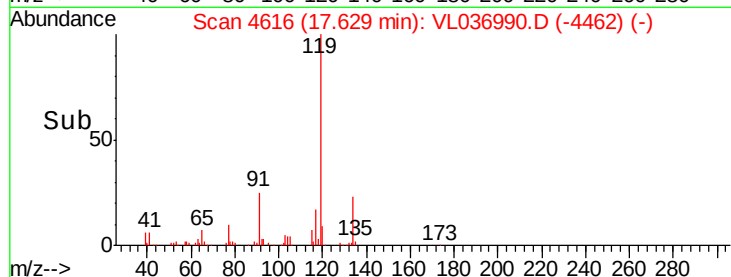
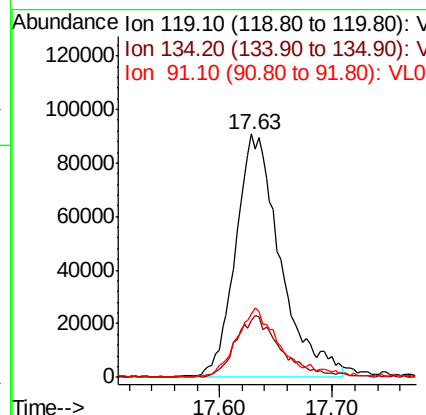
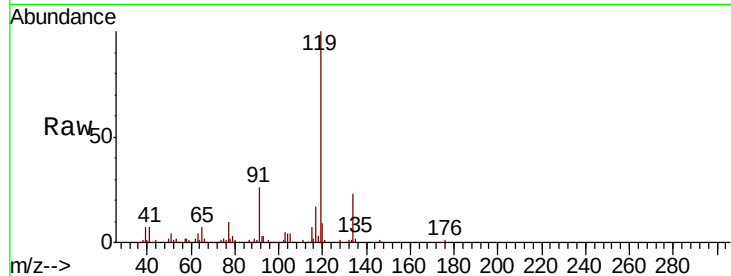
#69
 p-Isopropyltoluene
 Concen: 0.424 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	21.2	31.8
91	28.7	22.2	33.4

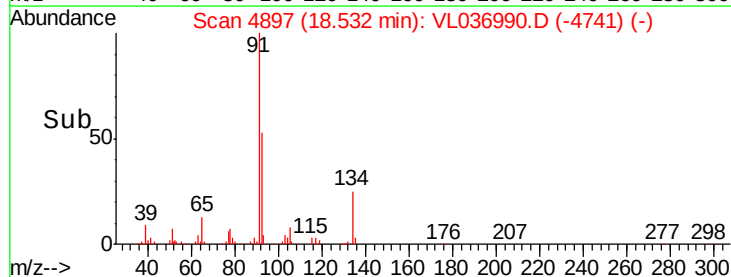
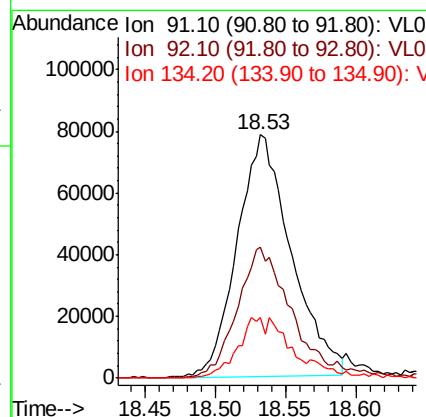
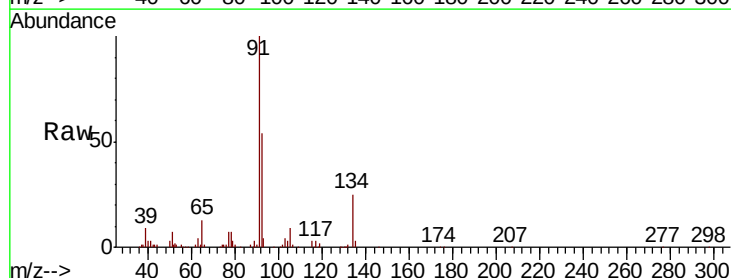
Manual Integrations
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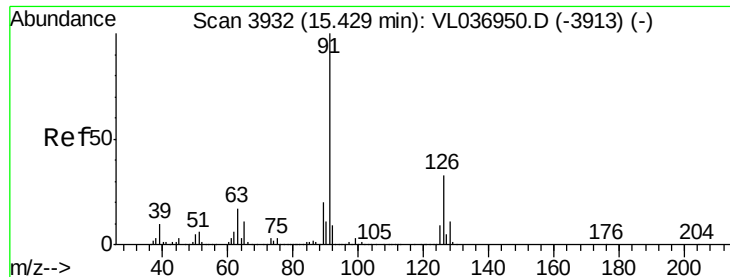
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#70
 n-Butylbenzene
 Concen: 0.376 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.0	44.6	66.8
134	25.9	20.2	30.2





#71

2-Chlorotoluene

Concen: 0.431 ppbv m

RT: 15.43 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 91 Resp: 173594

Ion Ratio Lower Upper

91 100

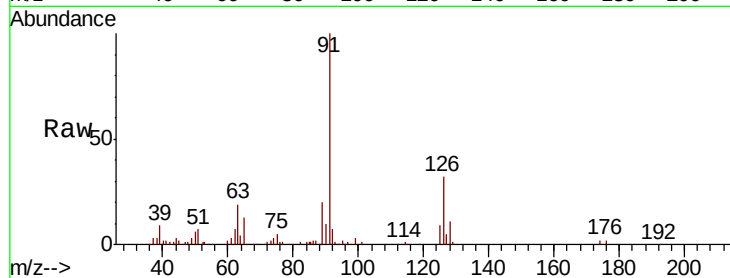
126 34.3 13.1 52.5

Manual Integrations

APPROVED

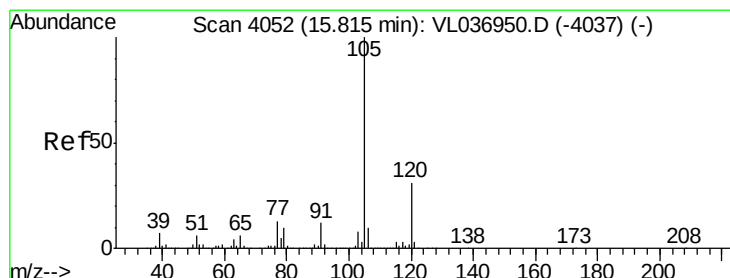
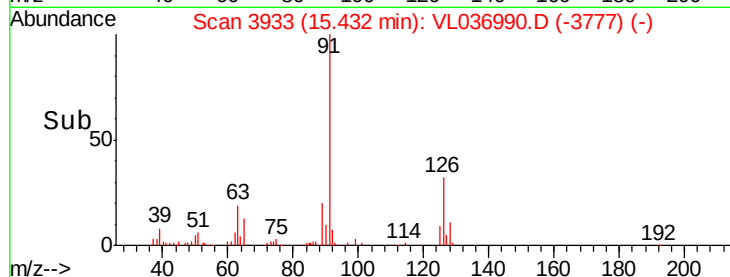
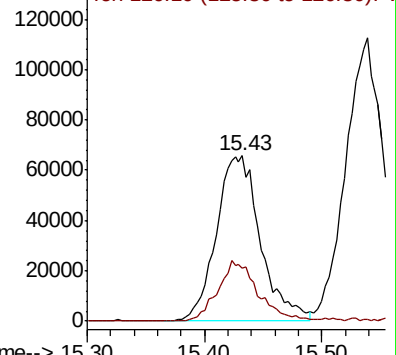
SAM

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.394 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Tgt Ion:105 Resp: 181627

Ion Ratio Lower Upper

105 100

120 33.1 24.6 37.0

91 15.6 9.8 14.6#

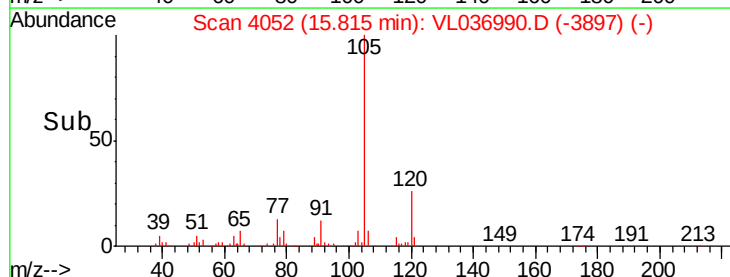
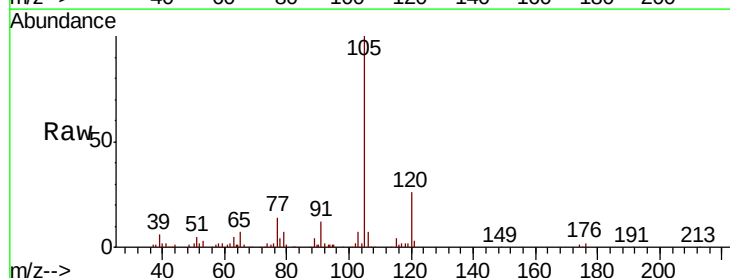
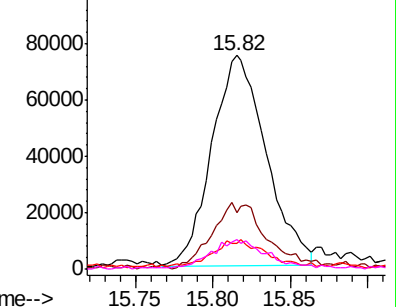
77 15.1 10.4 15.6

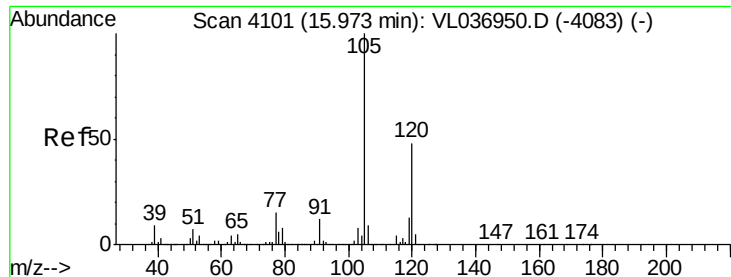
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 0.424 ppbv m

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:105 Resp: 183398

Ion Ratio Lower Upper

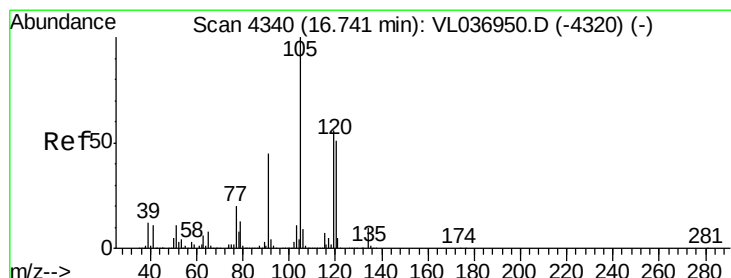
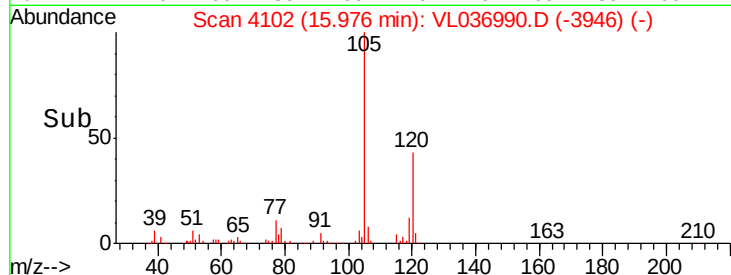
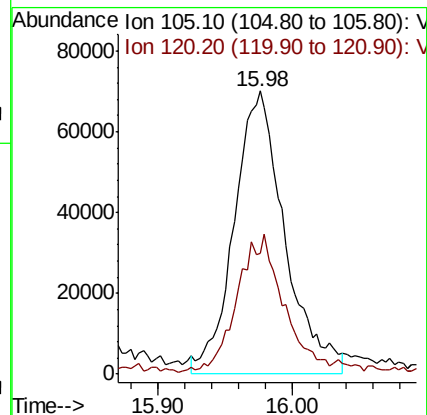
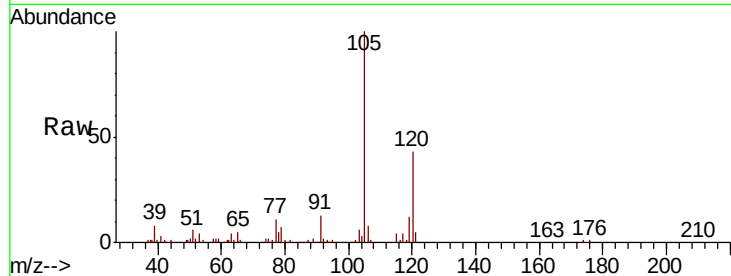
105 100

120 42.6 38.6 58.0

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 0.432 ppbv m

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Tgt Ion:105 Resp: 193230

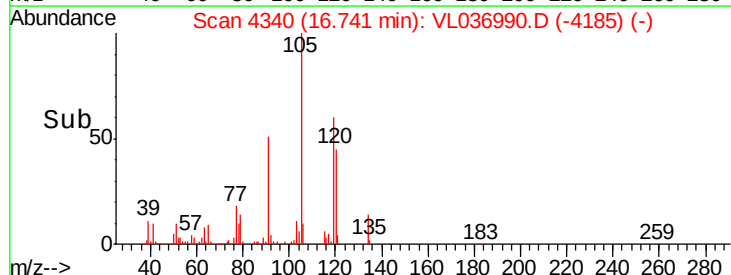
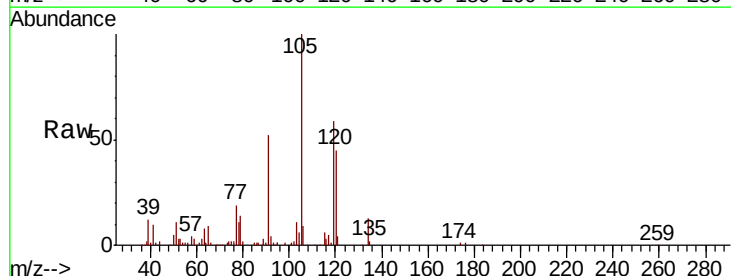
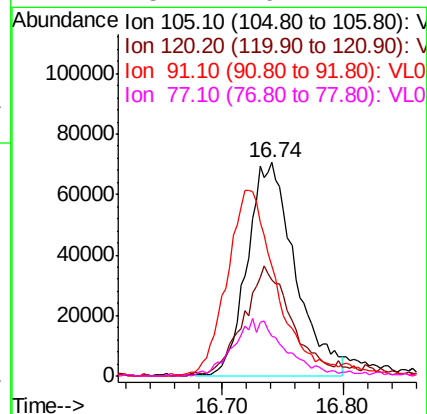
Ion Ratio Lower Upper

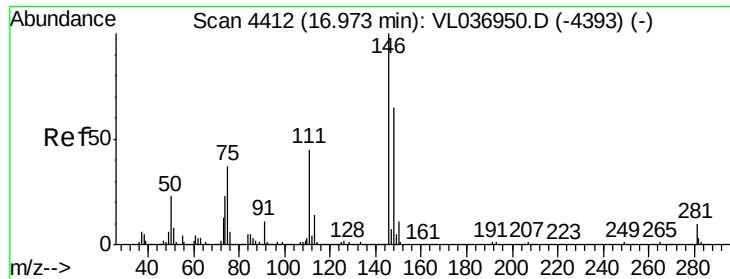
105 100

120 45.1 40.6 61.0

91 51.6 37.4 56.0

77 18.7 16.2 24.4





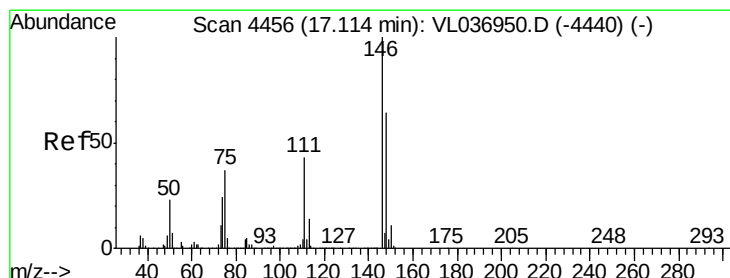
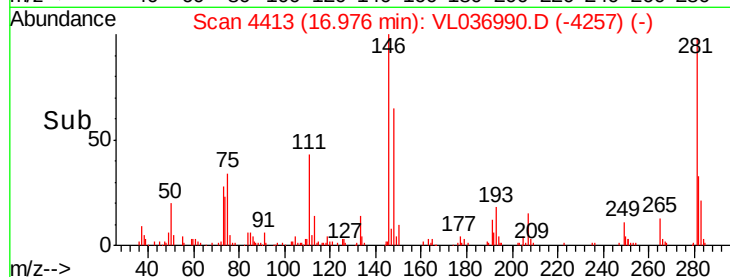
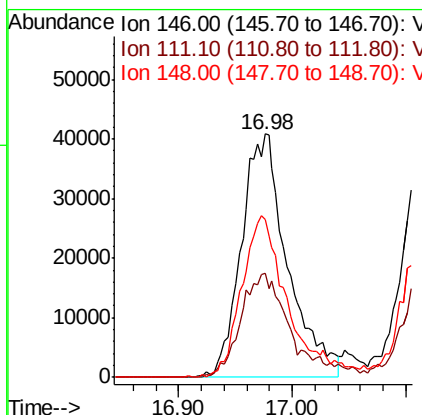
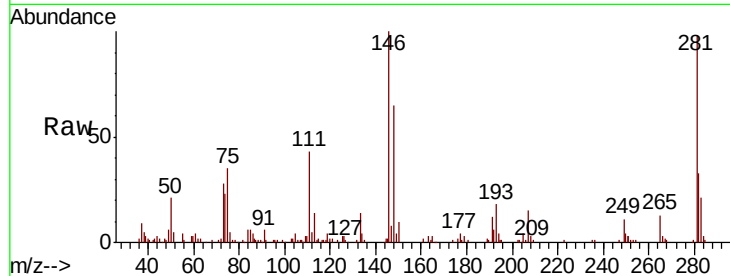
#75
 1,3-Dichlorobenzene
 Concen: 0.420 ppbv m
 RT: 16.98 min Scan# 4413
 Delta R.T. 0.00 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.2	66.6#
148	0.0	32.3	96.8#

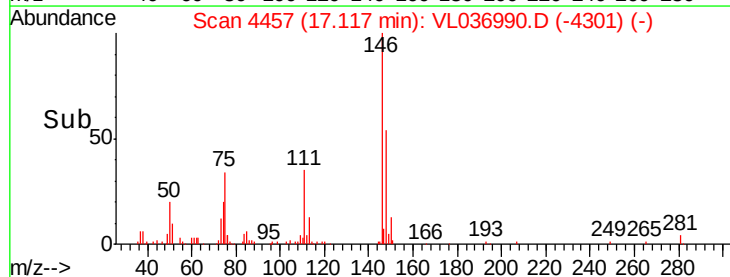
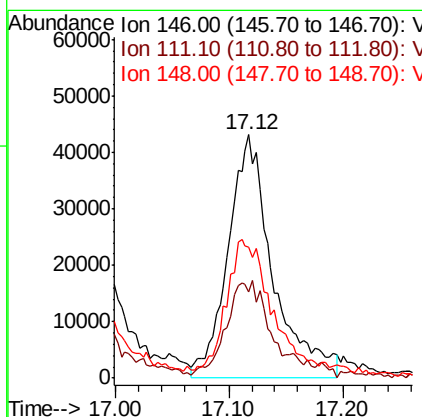
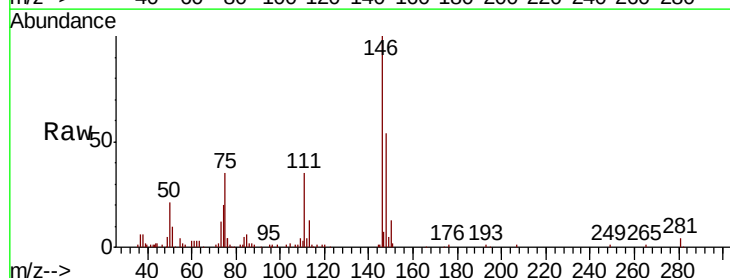
Manual Integrations
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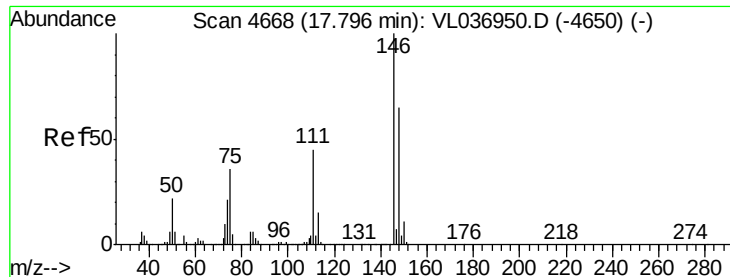
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#76
 1,4-Dichlorobenzene
 Concen: 0.430 ppbv m
 RT: 17.12 min Scan# 4457
 Delta R.T. 0.00 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.6	67.7
148	63.0	33.5	100.5





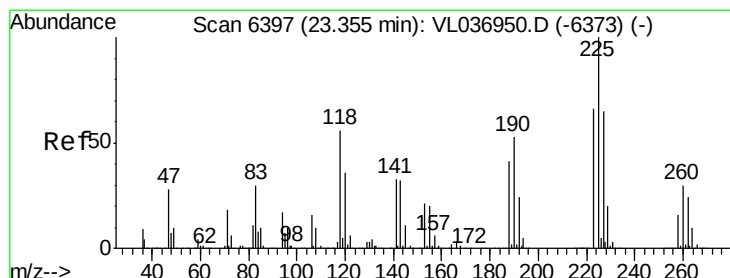
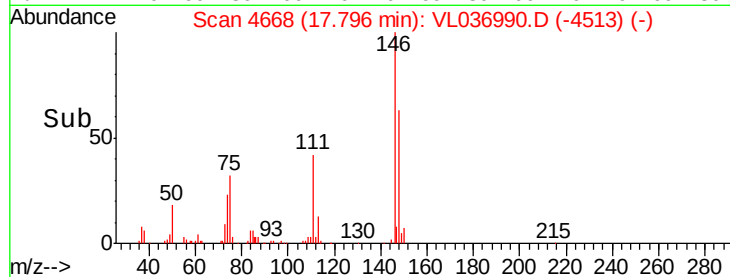
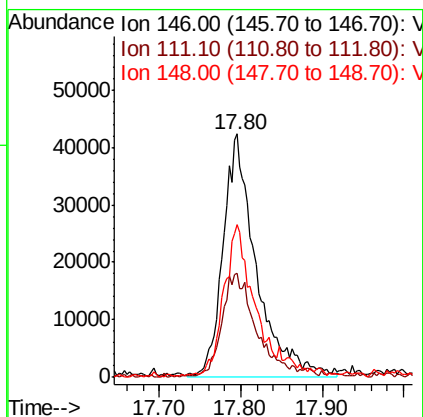
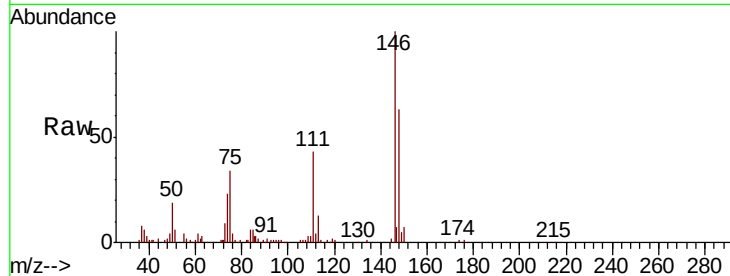
#77
 1,2-Dichlorobenzene
 Concen: 0.443 ppbv m
 RT: 17.80 min Scan# 4668
 Delta R.T. -0.00 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		121212		
111	46.9	23.1	69.2		
148	62.5	32.5	97.4		

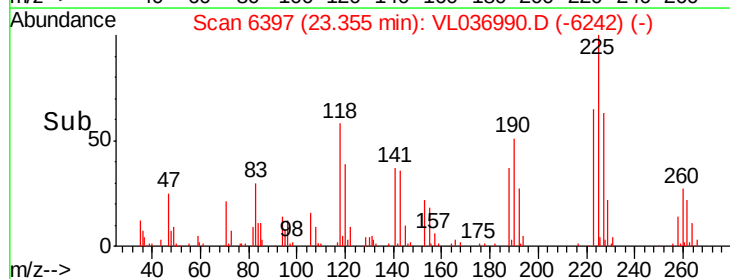
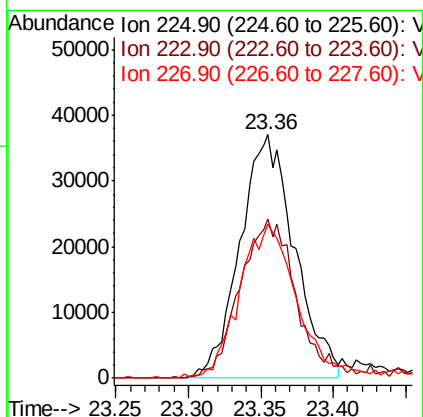
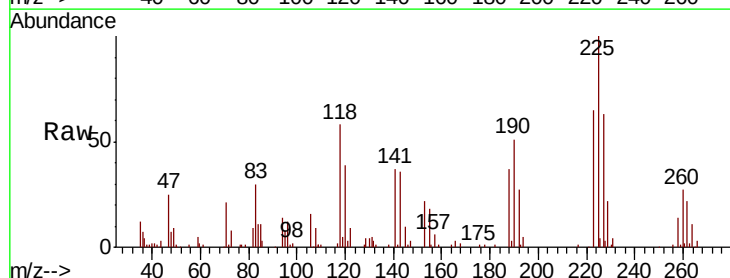
Manual Integrations
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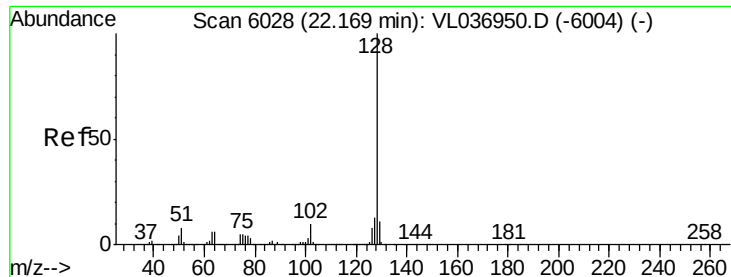
SAM
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.441 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. -0.00 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		96957		
223	68.3	51.9	77.9		
227	68.9	51.8	77.6		





#79

Naphthalene

Concen: 0.308 ppbv m

RT: 22.18 min Scan# 6032

Delta R.T. 0.01 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Instrument :

MSVOA_L

ClientSampleId :

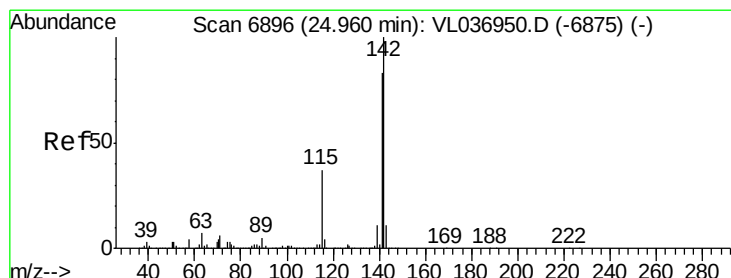
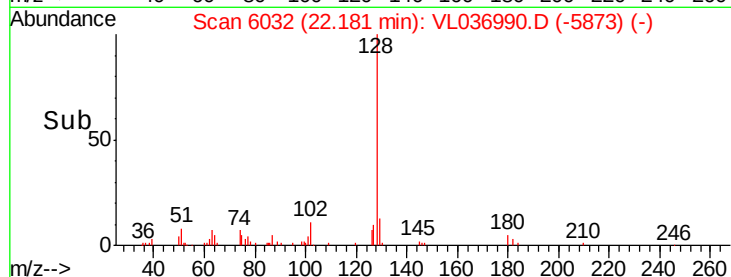
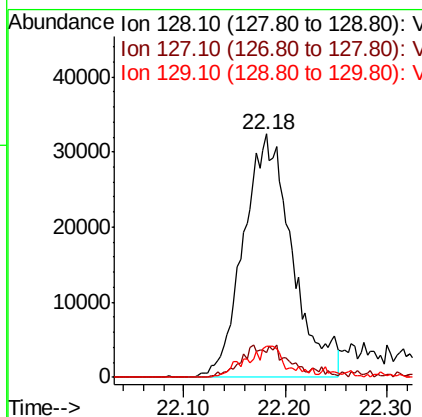
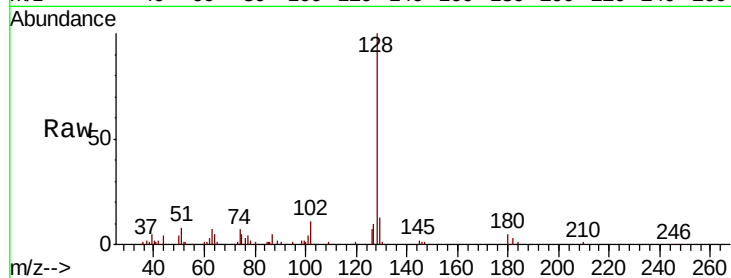
MDL-AIR-03-QT2-2021

Tot Ion:	128	Resp:	108099
Ion Ratio	Lower	Upper	
128	100		
127	10.3	10.4	15.6#
129	12.8	9.0	13.6

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#80

Naphthalene, 2-methyl-

Concen: 0.246 ppbv m

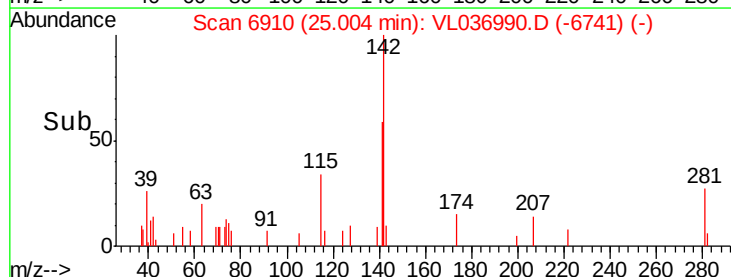
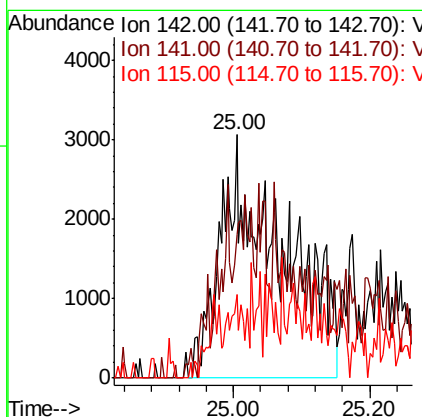
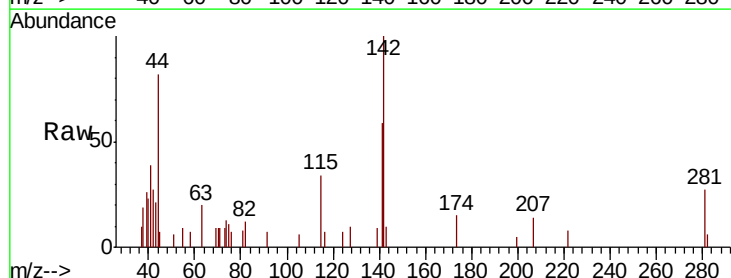
RT: 25.00 min Scan# 6910

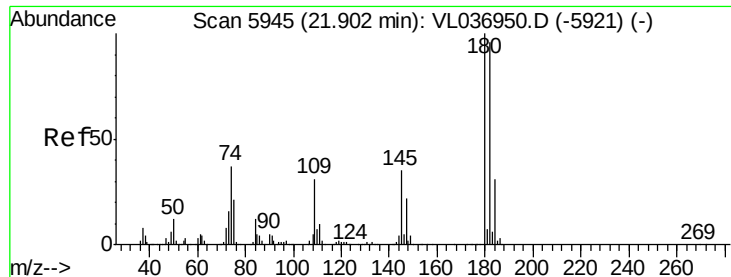
Delta R.T. 0.04 min

Lab File: VL036990.D

Acq: 19 May 2021 13:37

Tgt Ion:	142	Resp:	18789
Ion Ratio	Lower	Upper	
142	100		
141	10.2	69.3	103.9#
115	5.5	29.1	43.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.359 ppbv m
 RT: 21.91 min Scan# 5948
 Delta R.T. 0.01 min
 Lab File: VL036990.D
 Acq: 19 May 2021 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion:	180	Resp:	76687
Ion Ratio	Lower	Upper	
180	100		
182	90.2	81.7	122.5
184	30.5	24.9	37.3

Manual Integrations
 APPROVED

SAM
 5/24/2021 5:09:36 PM

