

Data File : VL037047.D
Acq On : 24 May 2021 14:19
Operator : SY/AP
Sample : M2262-13 0.45
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Manual Integrations
APPROVED

MMDadoda
5/25/2021 6:00:27 PM

Quant Time: May 25 02:21:27 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	5.64	49	1244353	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3746373	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3342430	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2380697	9.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	145281	0.688	ppbv	92
3) Chlorodifluoromethane	2.97	51	133228	0.584	ppbv	99
4) Chloromethane	3.12	50	40152m	0.518	ppbv	
5) Vinyl Chloride	3.24	62	41165	0.485	ppbv	90
6) Bromomethane	3.46	94	24088m	0.539	ppbv	
7) Chloroethane	3.54	64	15944m	0.579	ppbv	
8) Dichlorotetrafluoroethane	3.17	85	112165	0.566	ppbv	92
9) Propene	2.99	41	41103	0.504	ppbv	89
10) Heptane	8.10	43	95713	0.470	ppbv	97
11) Trichlorofluoromethane	3.93	101	119091	0.609	ppbv #	82
12) 1,1,2-Trichlorotrifluoroet	4.47	101	82393	0.592	ppbv	98
13) Ethanol	3.62	45	8459m	0.777	ppbv	
14) Bromoethene	3.72	108	31011	0.506	ppbv #	93
15) Acetone	3.86	43	73662m	0.578	ppbv	
16) 1,3-Butadiene	3.31	39	39025	0.493	ppbv	92
17) tert-Butyl alcohol	4.31	59	62274m	0.533	ppbv	
18) 1,1-Dichloroethene	4.27	96	32012	0.497	ppbv	83
19) Isopropyl Alcohol	3.98	45	42042m	0.614	ppbv	
20) Methylene Chloride	4.32	84	51506	0.754	ppbv	91
21) Allyl Chloride	4.39	41	41967	0.436	ppbv #	83
22) trans-1,2-Dichloroethene	4.87	96	32443m	0.526	ppbv	
23) Vinyl Acetate	5.07	43	75997	0.376	ppbv #	95
24) 1,1-Dichloroethane	4.99	63	74106	0.509	ppbv #	96
25) Ethyl Acetate	5.66	43	128057	0.418	ppbv #	91
26) Hexane	5.66	57	88000	0.562	ppbv	91
27) Carbon Disulfide	4.53	76	58000	0.368	ppbv #	81
28) Methyl tert-Butyl Ether	5.03	73	90485	0.482	ppbv	93
29) Chloroform	5.73	83	116459	0.527	ppbv	97
30) Cyclohexane	7.10	84	59103	0.445	ppbv	85
31) cis-1,2-Dichloroethene	5.53	61	66307	0.473	ppbv	91
32) 1,1,1-Trichloroethane	6.48	97	108787	0.458	ppbv	97
34) 2-Butanone	5.24	43	55442	0.406	ppbv #	73
35) Carbon Tetrachloride	6.99	117	110742	0.445	ppbv #	95
36) Benzene	6.86	78	150008	0.465	ppbv	96
37) 1,2-Dichloroethane	6.28	62	80151	0.501	ppbv #	95
38) Trichloroethene	7.81	130	64393	0.466	ppbv	93
39) 1,2-Dichloropropane	7.59	63	57478	0.462	ppbv	99
40) 1,4-Dioxane	7.85	88	20904m	0.712	ppbv	
41) Tetrahydrofuran	6.06	42	36318m	0.467	ppbv	
42) Bromodichloromethane	7.76	83	98613	0.407	ppbv	93
43) Methyl Methacrylate	8.00	69	44405m	0.399	ppbv	

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5/25/2021 6:00:27 PM

Quant Time: May 25 02:21:27 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
QLast Update : Tue May 18 12:00:15 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	264309	0.477	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	25862m	0.304	ppbv	
46) cis-1,3-Dichloropropene	8.67	75	43523m	0.381	ppbv	
47) 1,1,2-Trichloroethane	9.45	97	59322	0.456	ppbv	95
48) Dibromochloromethane	10.28	129	76039	0.361	ppbv	96
49) Bromoform	13.01	173	51955m	0.299	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	94050m	0.418	ppbv	
51) 2-Hexanone	10.15	43	44266m	0.372	ppbv	
52) Tetrachloroethene	11.19	164	69854	0.544	ppbv #	78
53) Toluene	9.78	91	176240m	0.459	ppbv	
54) 1,2-Dibromoethane	10.58	107	85637	0.463	ppbv	84
56) 1,1,1,2-Tetrachloroethane	12.10	131	65447	0.465	ppbv #	1
57) Chlorobenzene	12.12	112	143470	0.554	ppbv #	89
58) Ethyl Benzene	12.68	91	239749	0.508	ppbv	94
59) m/p-Xylene	12.97	91	401559m	1.030	ppbv	
60) o-Xylene	13.66	91	194103	0.522	ppbv	98
61) Styrene	13.50	104	85590	0.409	ppbv	90
62) Isopropylbenzene	14.64	105	284283	0.532	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	127144	0.458	ppbv	90
64) n-propylbenzene	15.54	120	62990	0.457	ppbv #	62
65) tert-Butylbenzene	16.72	119	249939	0.518	ppbv	94
66) Benzyl Chloride	16.96	91	9475m	0.354	ppbv	
67) sec-Butylbenzene	17.27	105	327280	0.497	ppbv	99
69) p-Isopropyltoluene	17.63	119	255826	0.452	ppbv	97
70) n-Butylbenzene	18.53	91	231868	0.431	ppbv	99
71) 2-Chlorotoluene	15.43	91	195394	0.506	ppbv	100
72) 4-Ethyltoluene	15.81	105	200342	0.454	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.98	105	217847m	0.526	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	202893	0.473	ppbv	95
75) 1,3-Dichlorobenzene	16.97	146	133576m	0.510	ppbv	
76) 1,4-Dichlorobenzene	17.11	146	126468m	0.478	ppbv	
77) 1,2-Dichlorobenzene	17.79	146	131237m	0.500	ppbv	
78) Hexachloro-1,3-Butadiene	23.35	225	103044m	0.489	ppbv	
79) Naphthalene	22.18	128	91242m	0.271	ppbv	
80) Naphthalene,2-methyl-	24.99	142	18389m	0.251	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	67749m	0.330	ppbv	

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

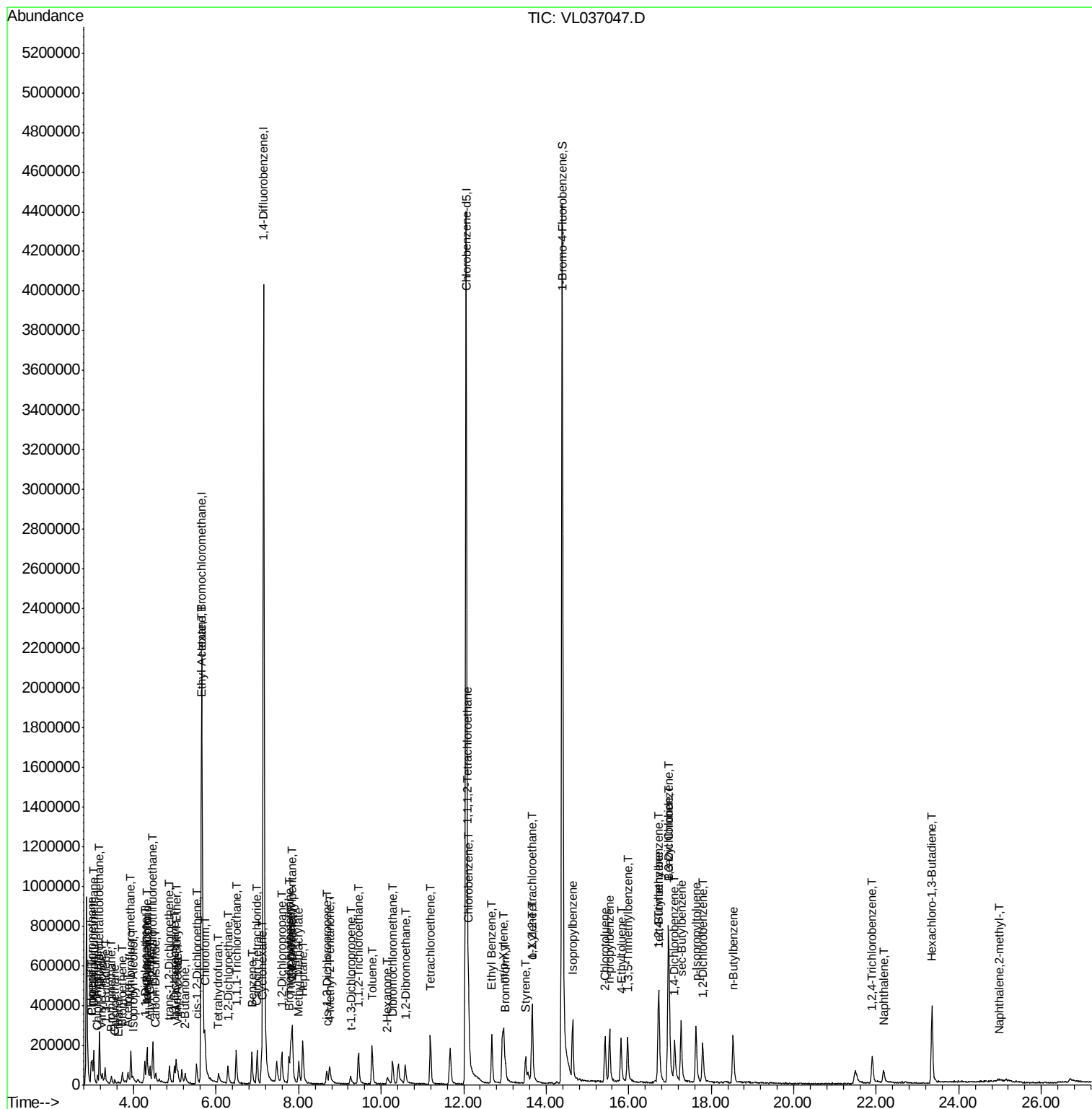
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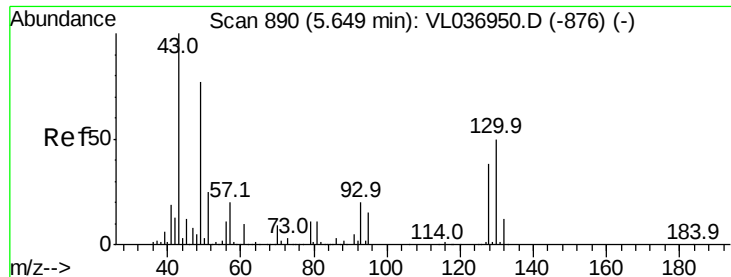
Instrument :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.01 min

Lab File: VL037047.D

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Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 49 Resp: 1244353

Ion Ratio Lower Upper

49 100

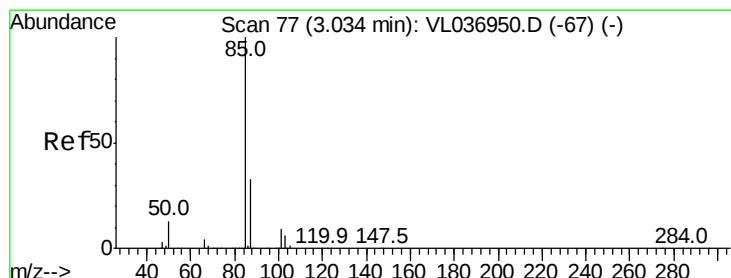
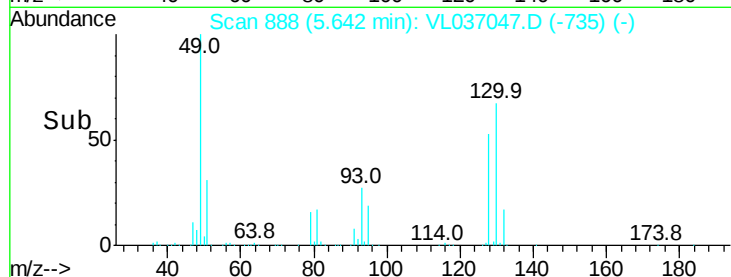
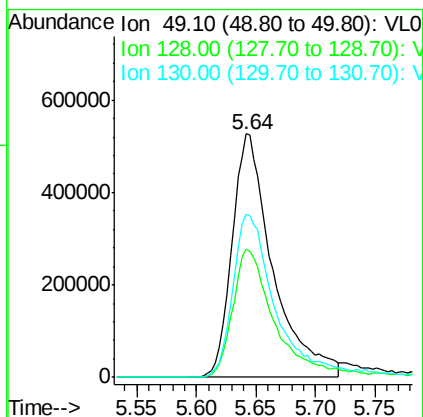
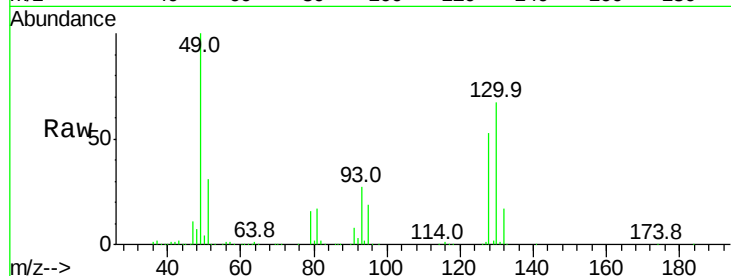
128 57.5 26.9 80.7

130 74.0 33.8 101.4

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.688 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL037047.D

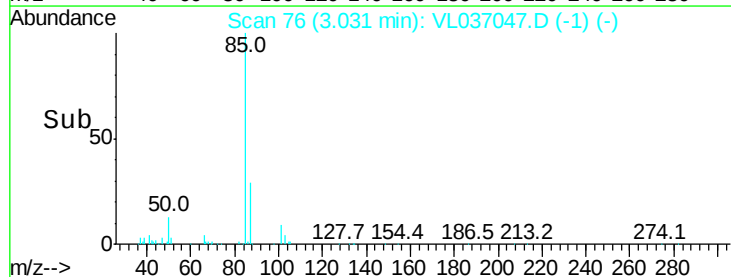
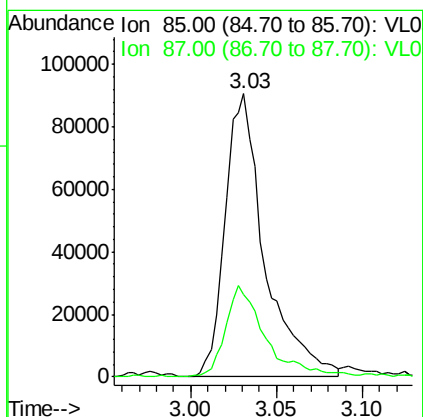
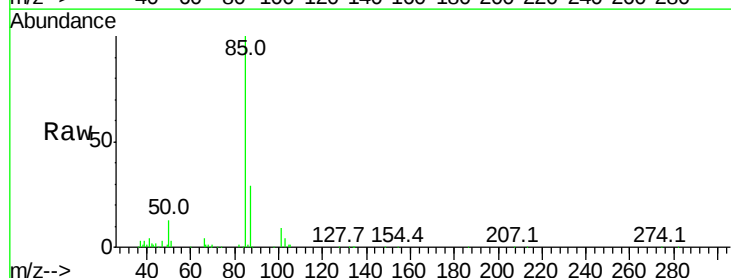
Acq: 24 May 2021 14:19

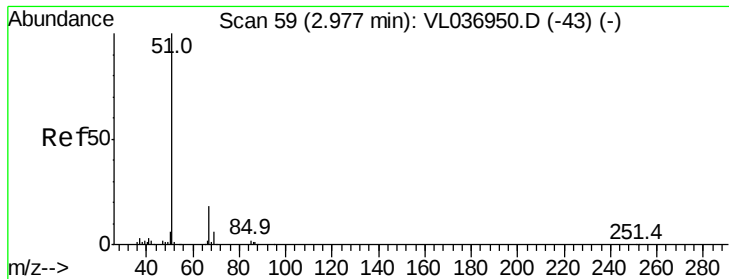
Tgt Ion: 85 Resp: 145281

Ion Ratio Lower Upper

85 100

87 28.7 26.6 39.8





#3

Chlorodifluoromethane

Concen: 0.584 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 51 Resp: 133228

Ion Ratio Lower Upper

51 100

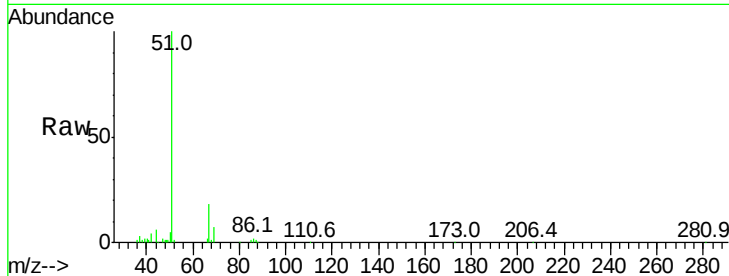
67 18.8 14.6 21.8

Manual Integrations

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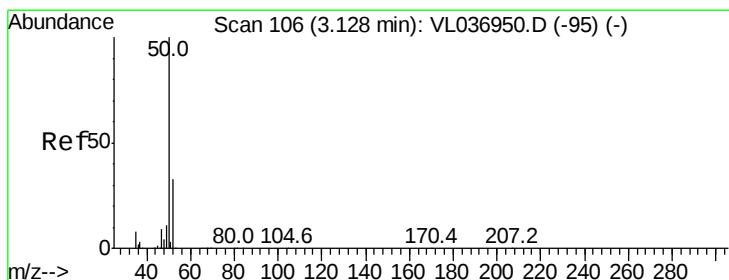
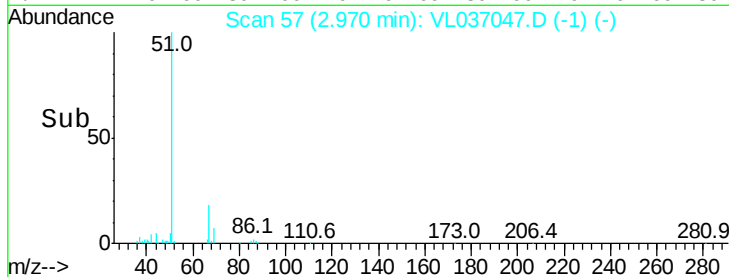
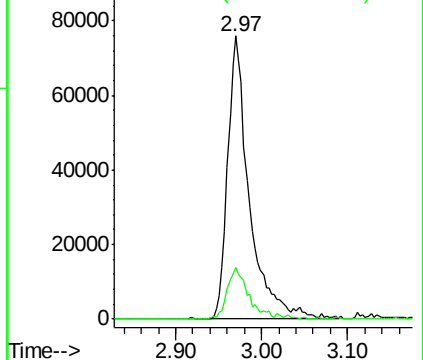
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.518 ppbv m

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL037047.D

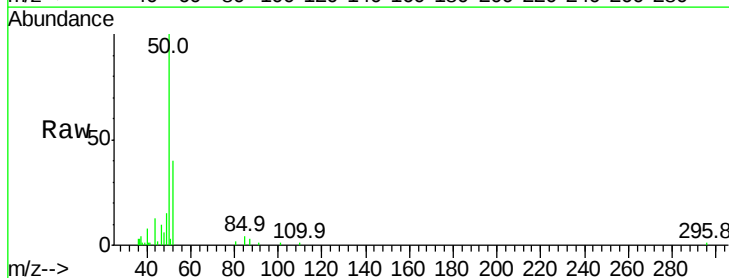
Acq: 24 May 2021 14:19

Tgt Ion: 50 Resp: 40152

Ion Ratio Lower Upper

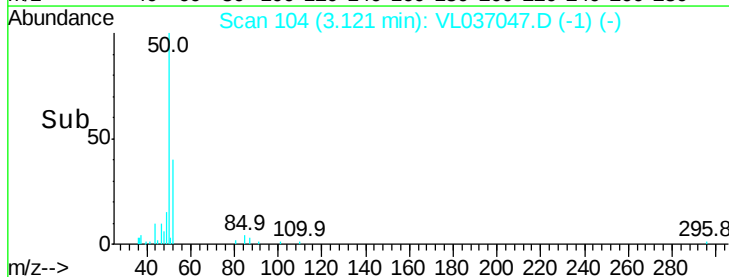
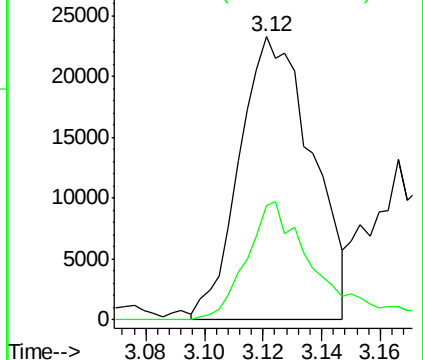
50 100

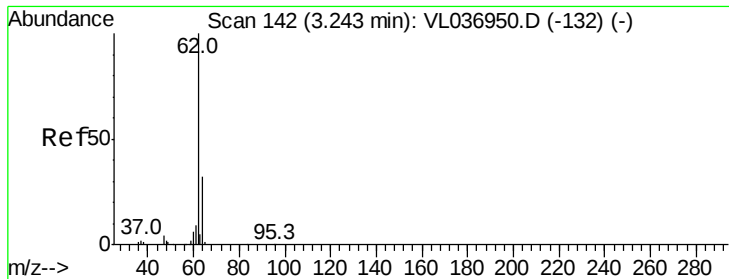
52 40.2 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.485 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 62 Resp: 41165

Ion Ratio Lower Upper

62 100

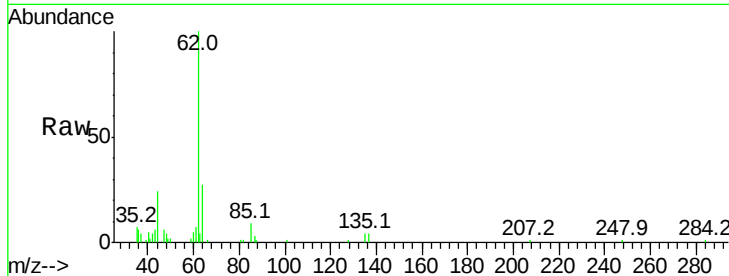
64 26.6 25.9 38.9

Manual Integrations

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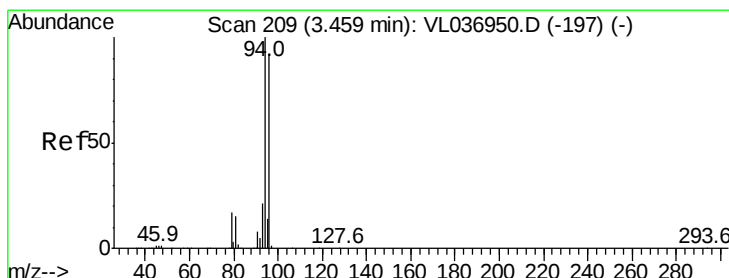
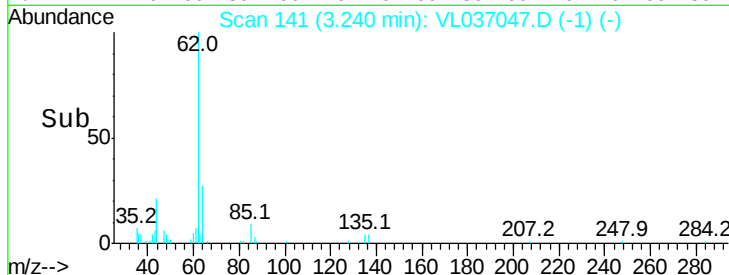
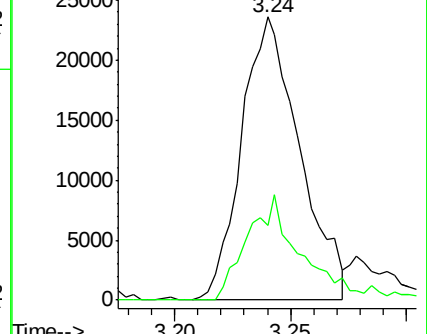
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.539 ppbv m

RT: 3.46 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL037047.D

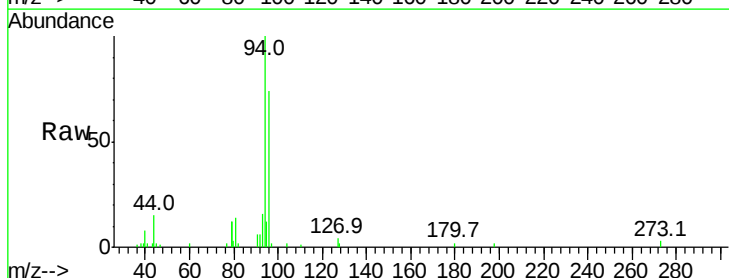
Acq: 24 May 2021 14:19

Tgt Ion: 94 Resp: 24088

Ion Ratio Lower Upper

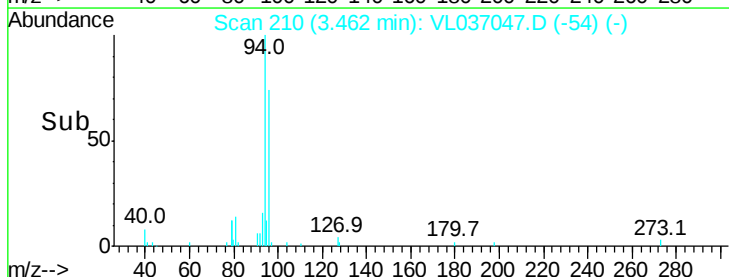
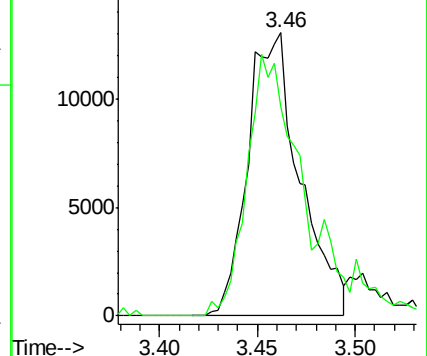
94 100

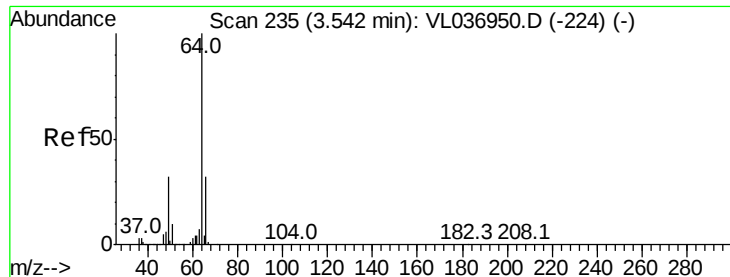
96 73.8 74.0 111.0#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.579 ppbv m

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

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Tgt Ion: 64 Resp: 15944

Ion Ratio Lower Upper

64 100

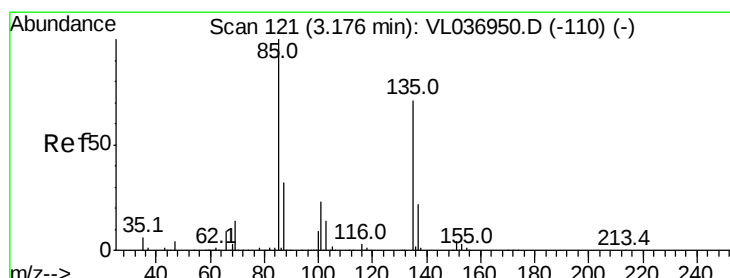
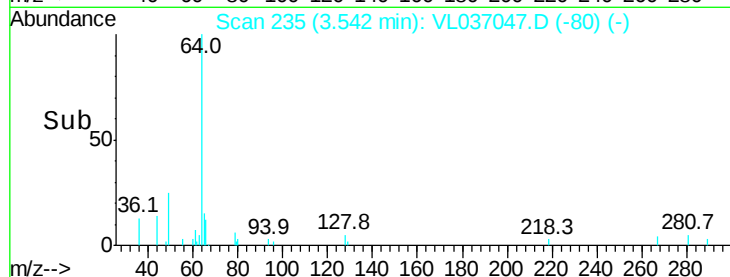
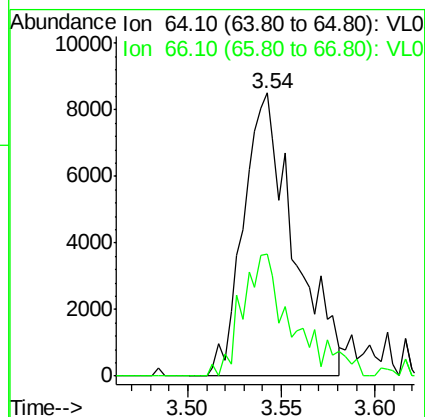
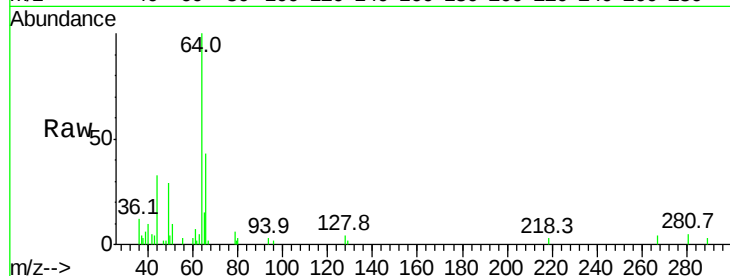
66 43.3 25.4 38.2#

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.566 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL037047.D

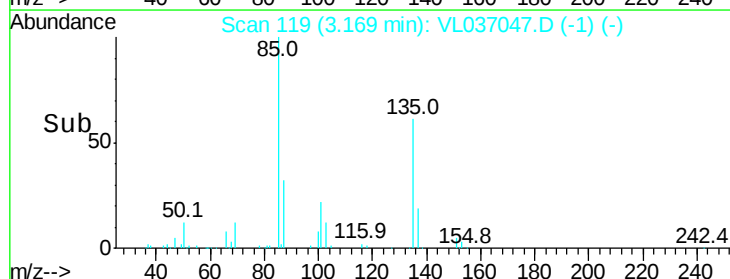
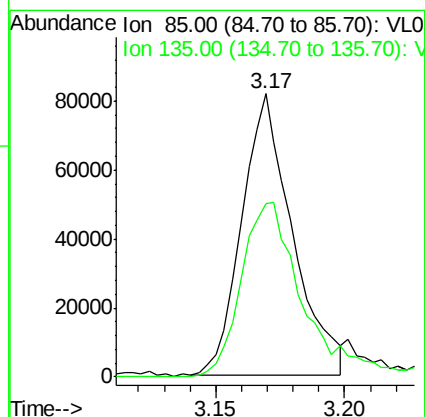
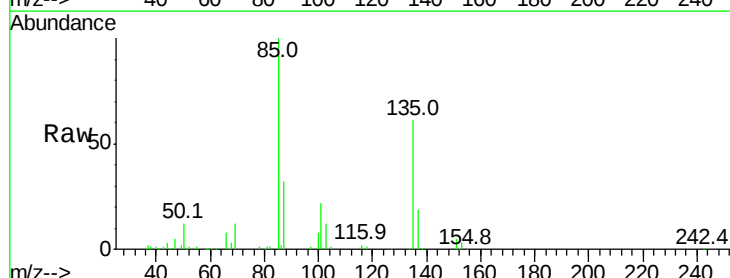
Acq: 24 May 2021 14:19

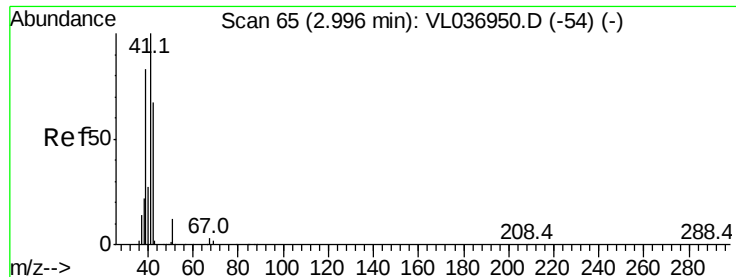
Tgt Ion: 85 Resp: 112165

Ion Ratio Lower Upper

85 100

135 78.6 57.7 86.5





#9

Propene

Concen: 0.504 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.01 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 41 Resp: 41103

Ion Ratio Lower Upper

41 100

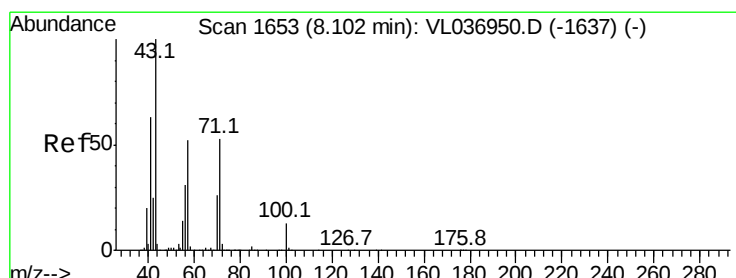
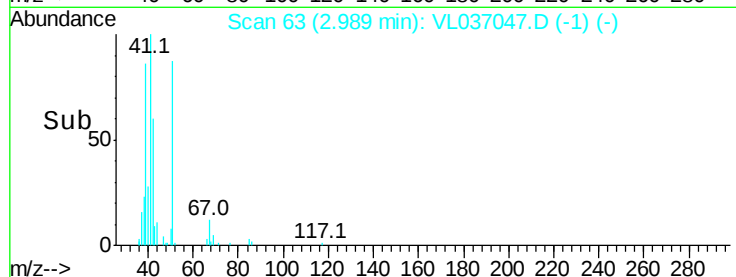
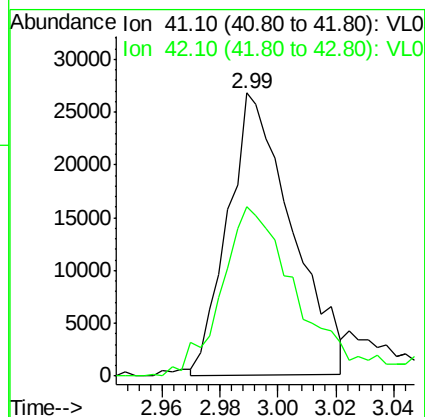
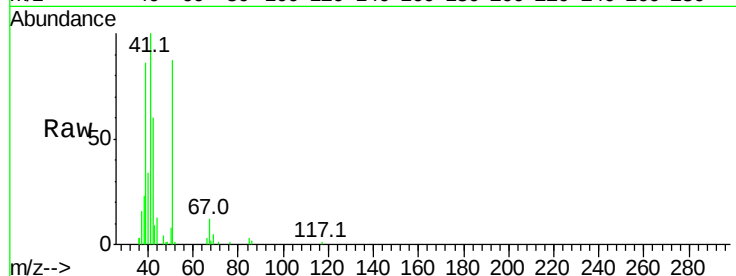
42 76.5 53.9 80.9

Manual Integrations

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#10

Heptane

Concen: 0.470 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL037047.D

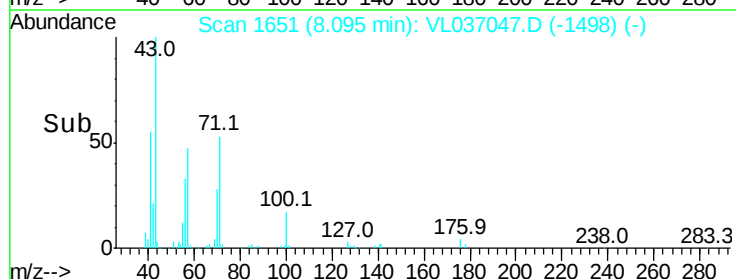
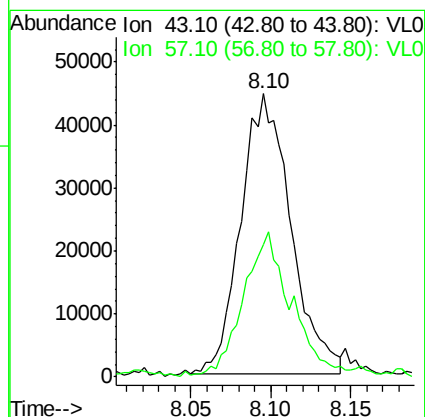
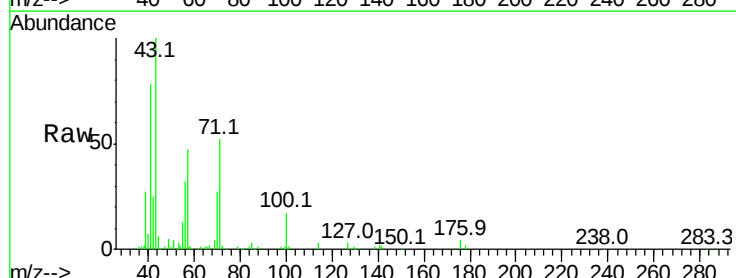
Acq: 24 May 2021 14:19

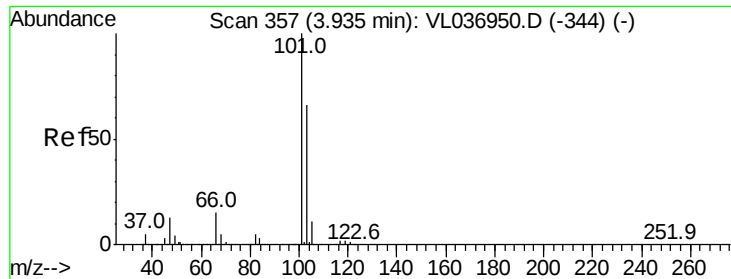
Tgt Ion: 43 Resp: 95713

Ion Ratio Lower Upper

43 100

57 53.1 41.0 61.6





#11

Trichlorofluoromethane

Concen: 0.609 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.00 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion:101 Resp: 119091

Ion Ratio Lower Upper

101 100

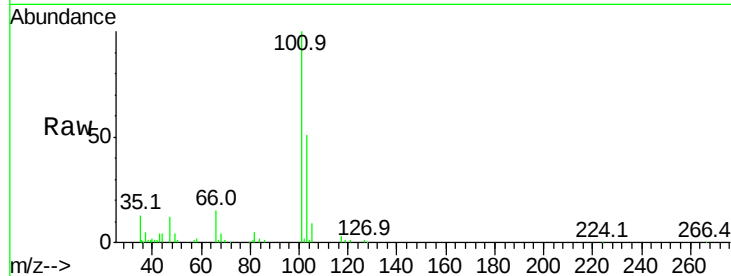
103 51.3 52.6 79.0#

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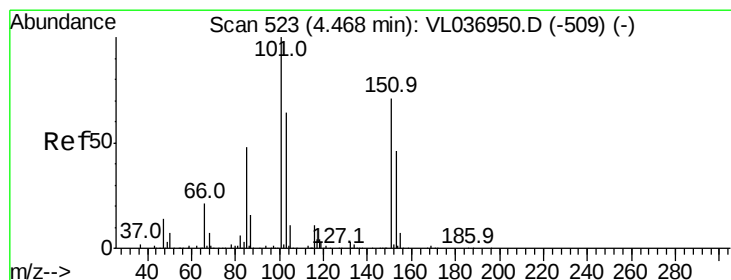
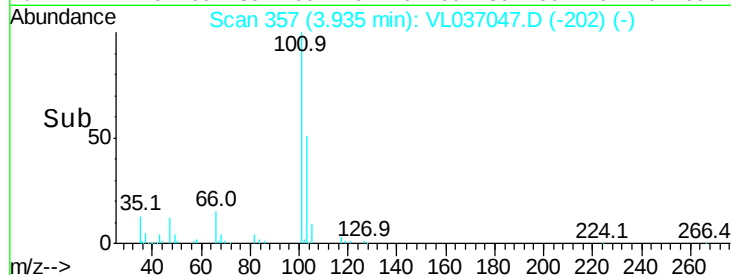
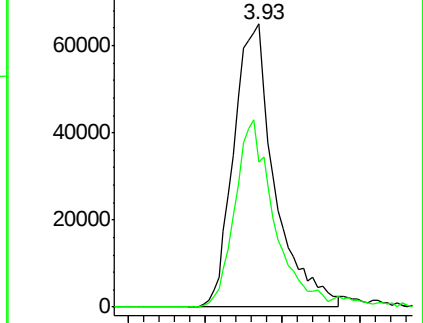
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.592 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.00 min

Lab File: VL037047.D

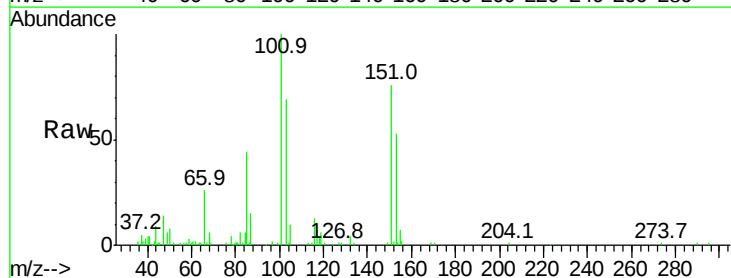
Acq: 24 May 2021 14:19

Tgt Ion:101 Resp: 82393

Ion Ratio Lower Upper

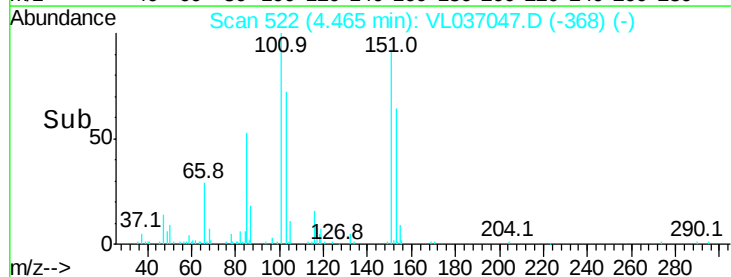
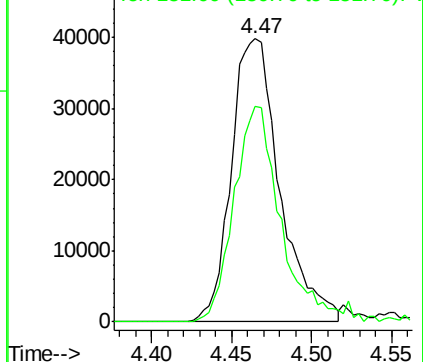
101 100

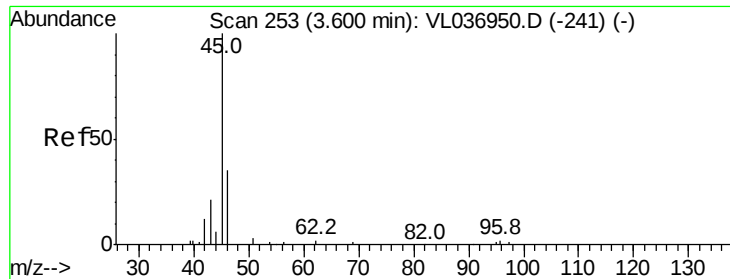
151 73.8 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.777 ppbv m

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 45 Resp: 8459

Ion Ratio Lower Upper

45 100

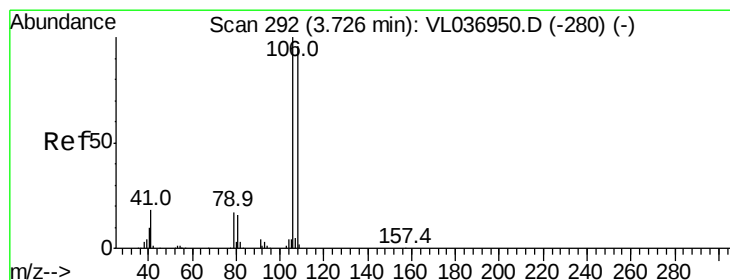
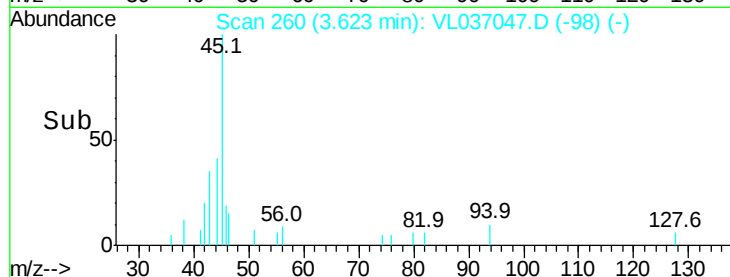
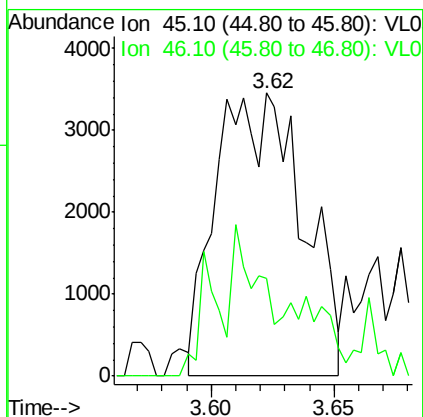
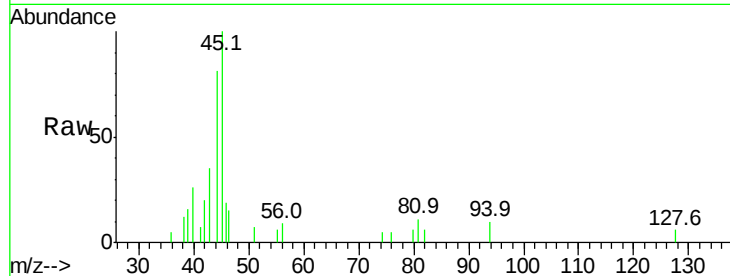
46 45.7 16.3 65.3

Manual Integrations

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#14

Bromoethene

Concen: 0.506 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.00 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

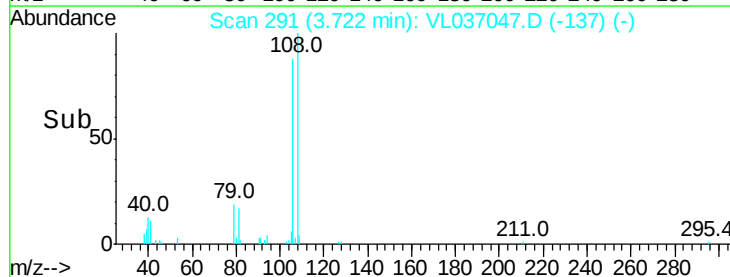
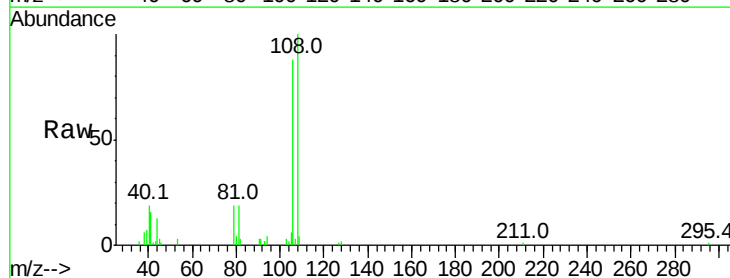
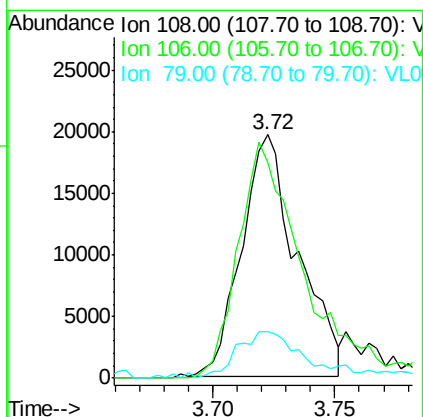
Tgt Ion: 108 Resp: 31011

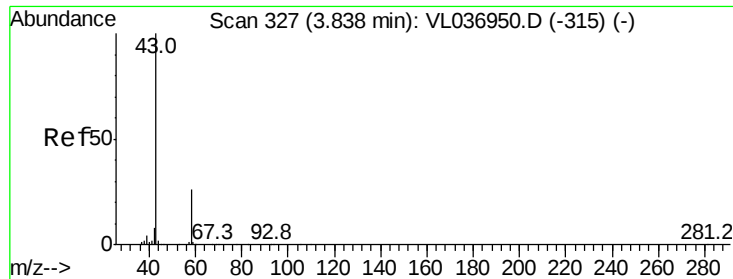
Ion Ratio Lower Upper

108 100

106 113.9 86.5 129.7

79 26.4 15.0 22.4#





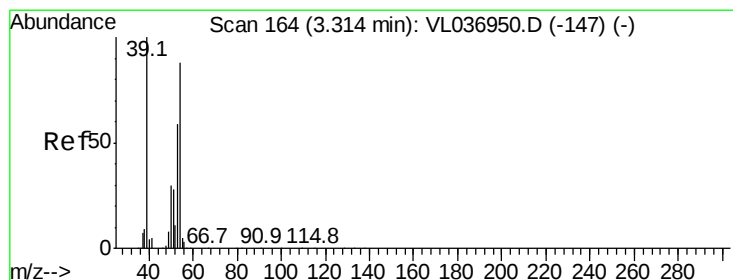
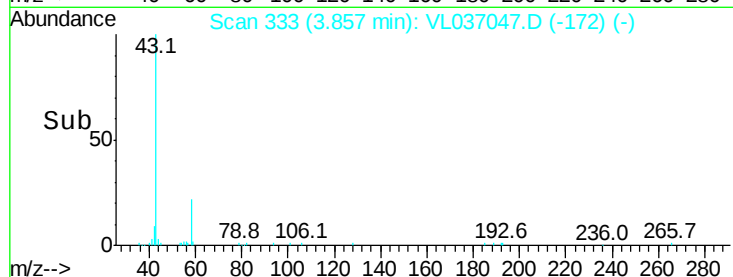
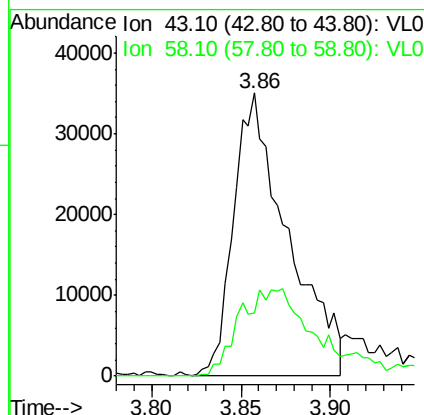
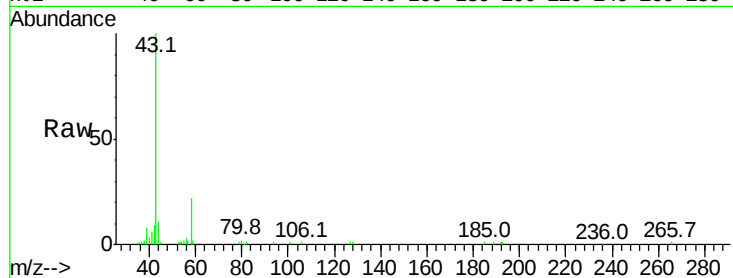
#15
Acetone
Concen: 0.578 ppbv m
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 43 Resp: 73662
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#

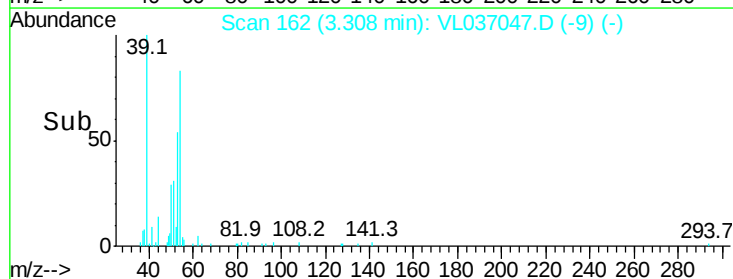
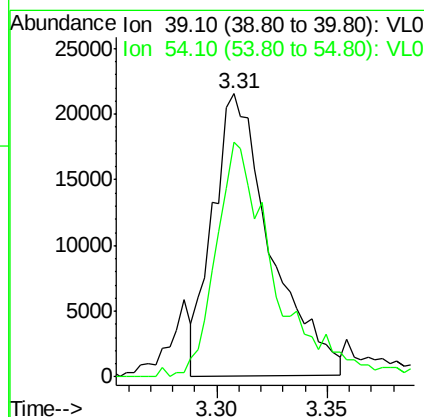
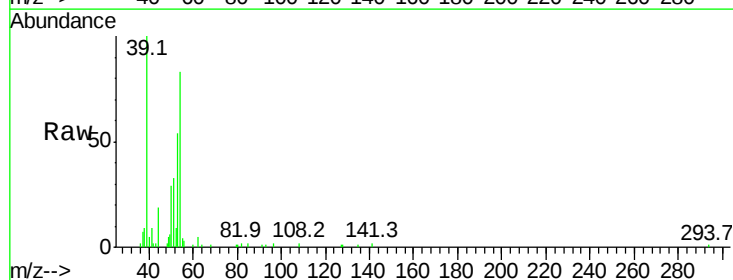
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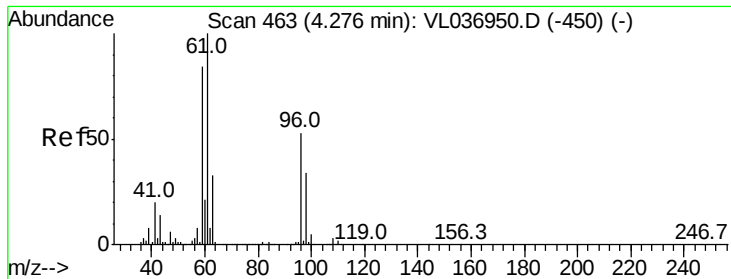
MMDadoda
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#16
1,3-Butadiene
Concen: 0.493 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.01 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Tgt Ion: 39 Resp: 39025
Ion Ratio Lower Upper
39 100
54 86.1 63.2 94.8





#17

tert-Butyl alcohol

Concen: 0.533 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.04 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

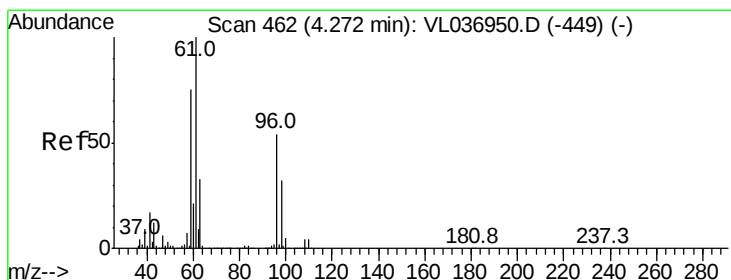
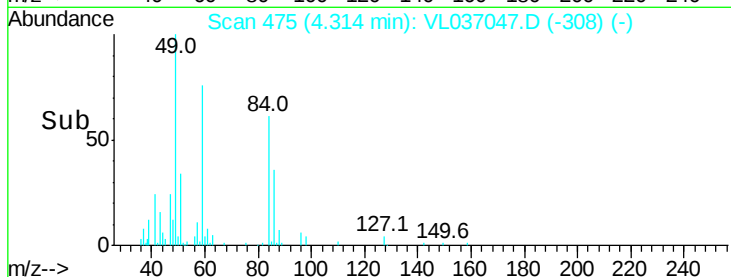
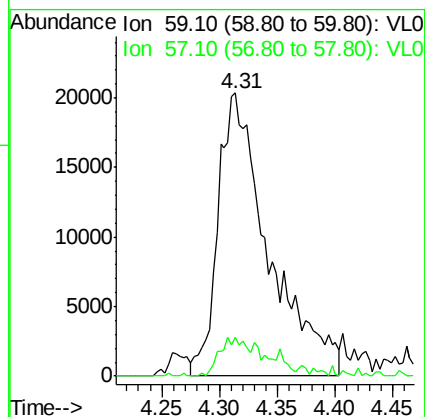
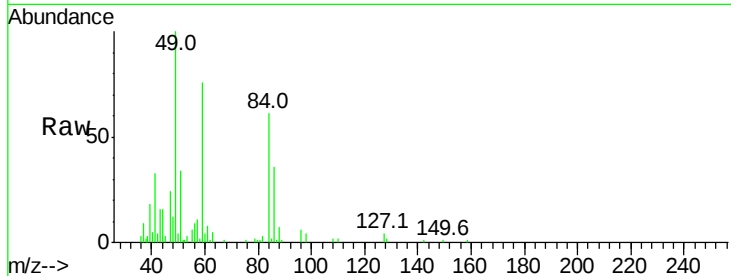
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 59 Resp: 62274
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

Manual Integrations
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#18

1,1-Dichloroethene

Concen: 0.497 ppbv

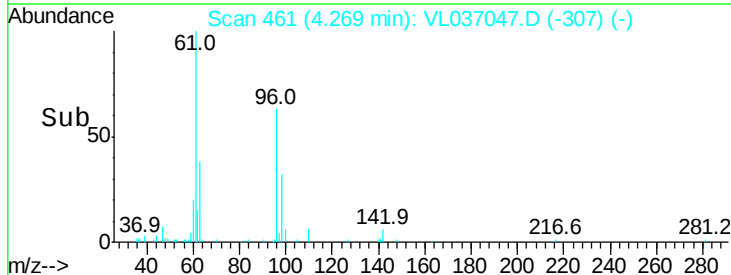
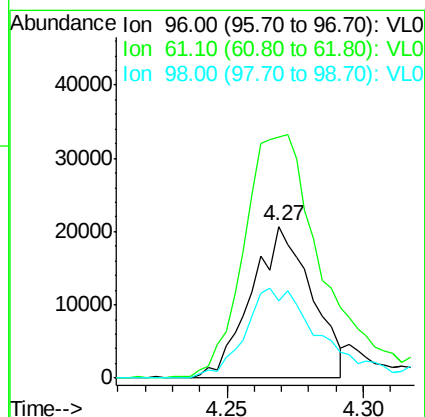
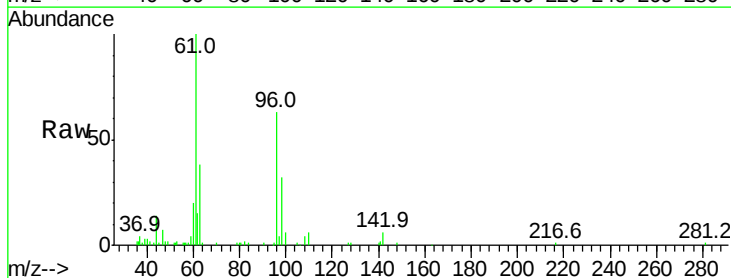
RT: 4.27 min Scan# 461

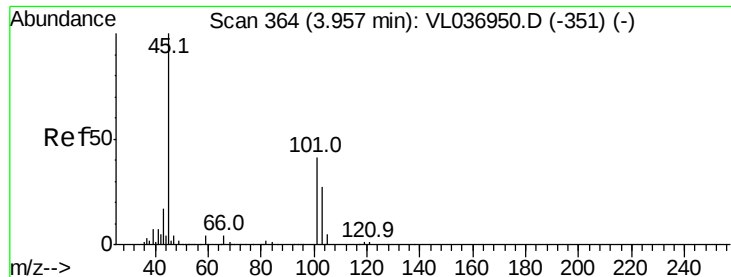
Delta R.T. -0.00 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Tgt Ion: 96 Resp: 32012
 Ion Ratio Lower Upper
 96 100
 61 157.9 148.2 222.4
 98 51.1 47.8 71.6





#19

Isopropyl Alcohol

Concen: 0.614 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.03 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 45 Resp: 42042

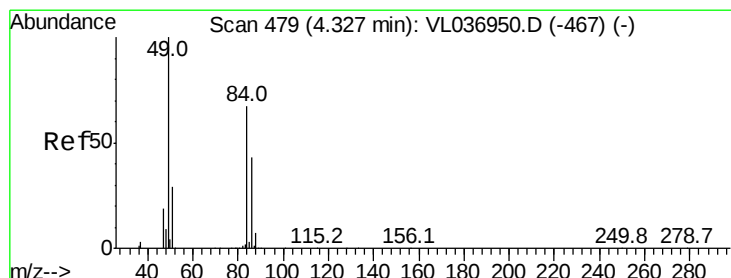
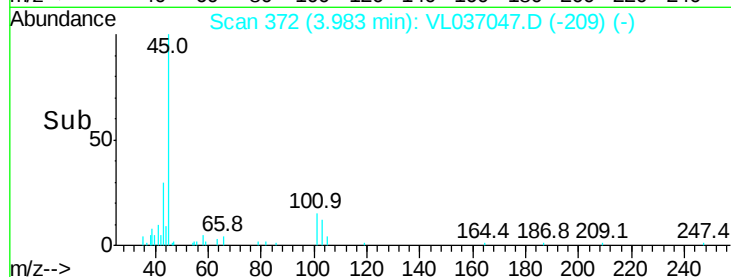
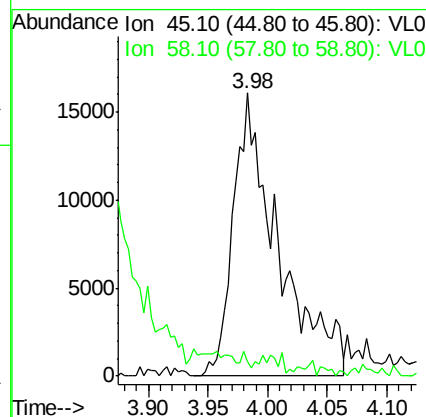
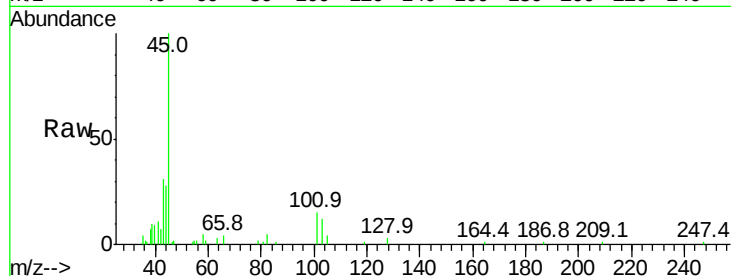
Ion Ratio Lower Upper

45 100

58 0.0 37.2 55.8#

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#20

Methylene Chloride

Concen: 0.754 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Tgt Ion: 84 Resp: 51506

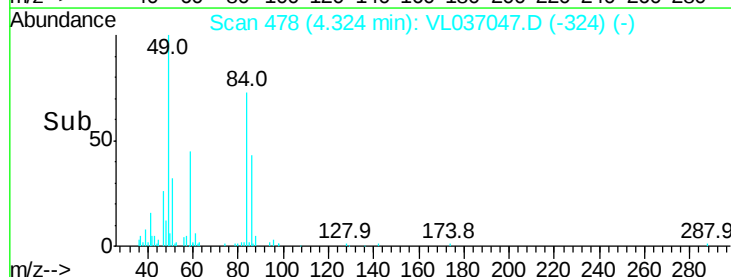
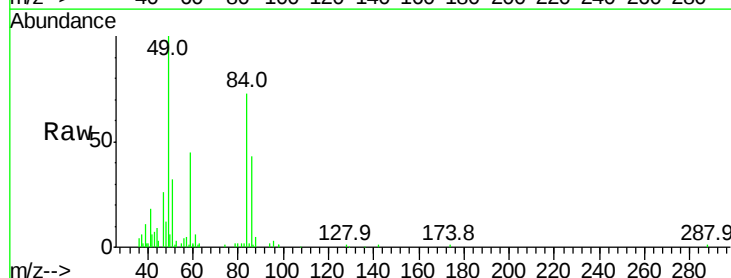
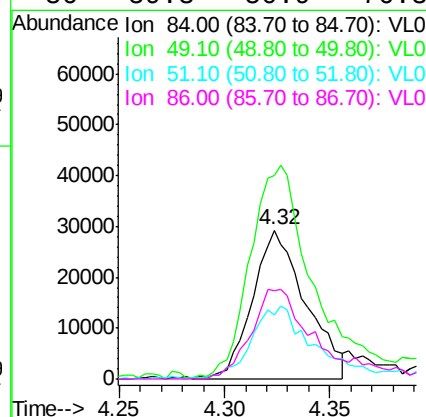
Ion Ratio Lower Upper

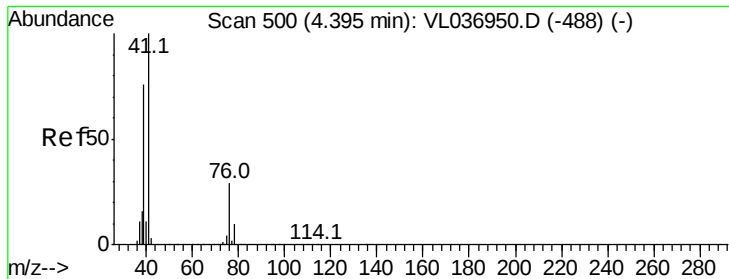
84 100

49 133.7 119.8 179.6

51 43.0 35.1 52.7

86 59.3 50.9 76.3





#21

Allyl Chloride

Concen: 0.436 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.00 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

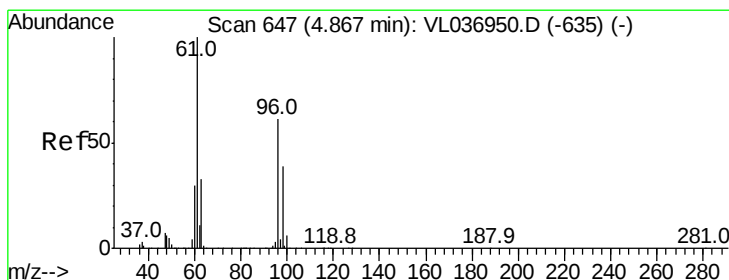
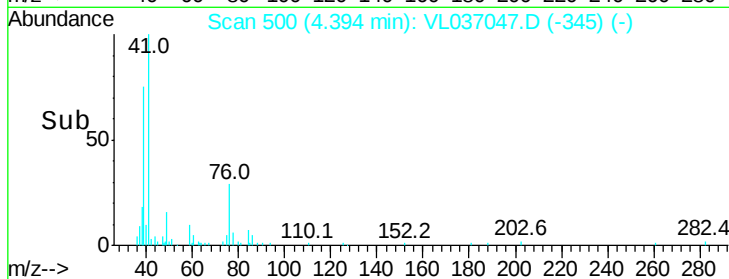
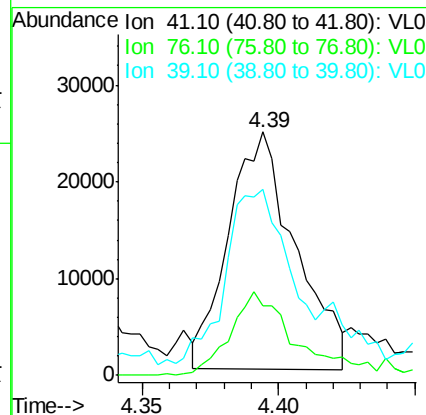
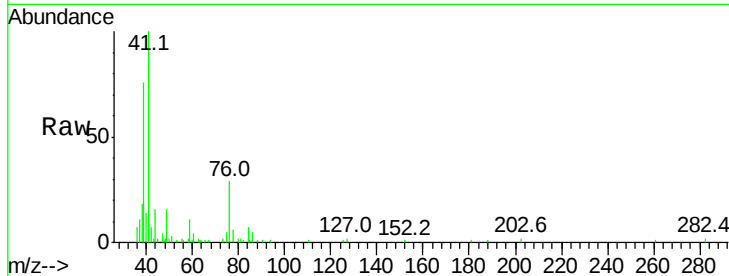
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion:	41	Resp:	41967
Ion Ratio	Lower	Upper	
41	100		
76	36.8	24.9	37.3
39	96.5	63.7	95.5#

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#22

trans-1,2-Dichloroethene

Concen: 0.526 ppbv m

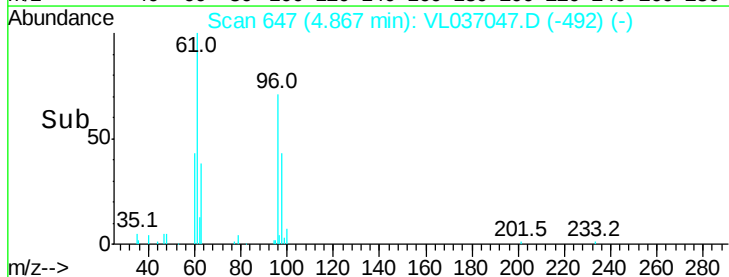
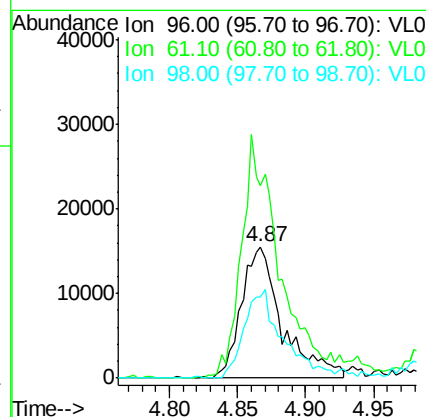
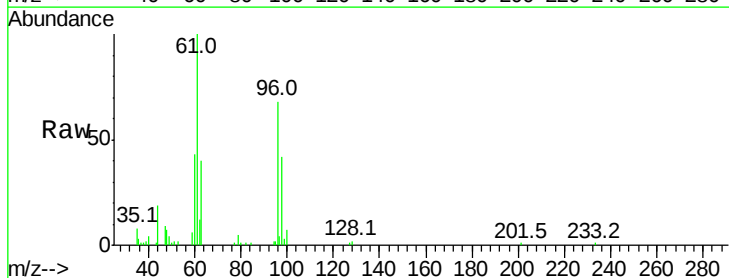
RT: 4.87 min Scan# 647

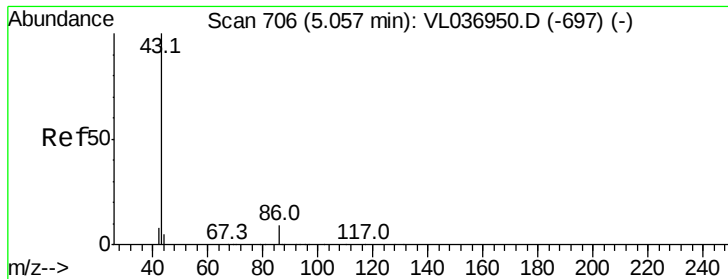
Delta R.T. -0.00 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Tgt Ion:	96	Resp:	32443
Ion Ratio	Lower	Upper	
96	100		
61	146.7	130.6	196.0
98	61.6	50.8	76.2





#23

Vinyl Acetate

Concen: 0.376 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.01 min

Lab File: VL037047.D

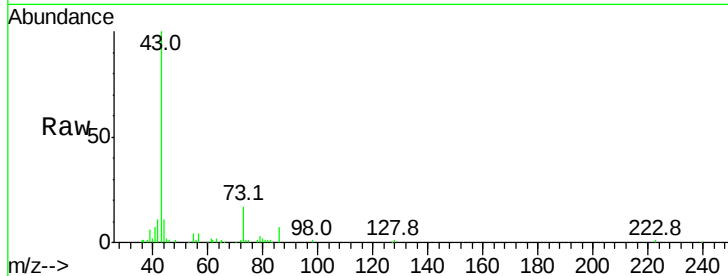
Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

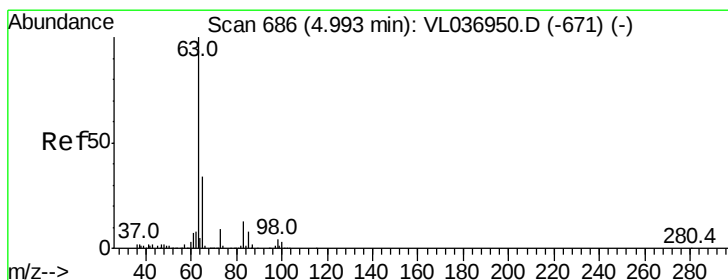
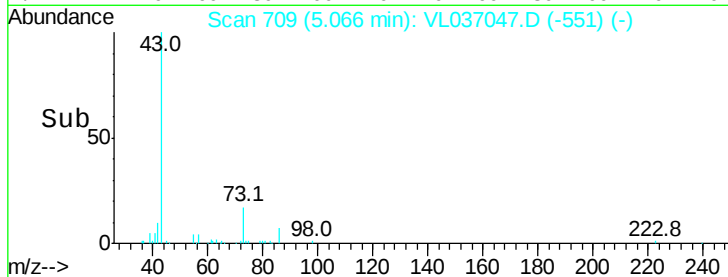
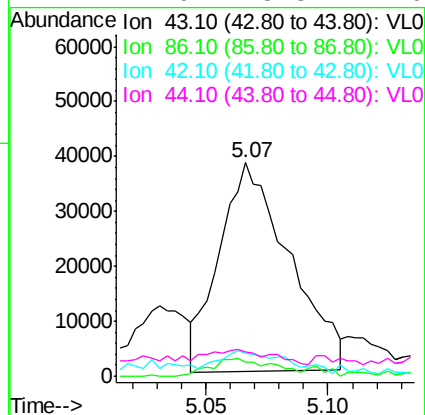


Tgt Ion: 43 Resp: 75997

Ion	Ratio	Lower	Upper
43	100		
86	8.2	5.8	8.8
42	6.7	7.4	11.2#
44	4.9	3.3	4.9

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.509 ppbv

RT: 4.99 min Scan# 685

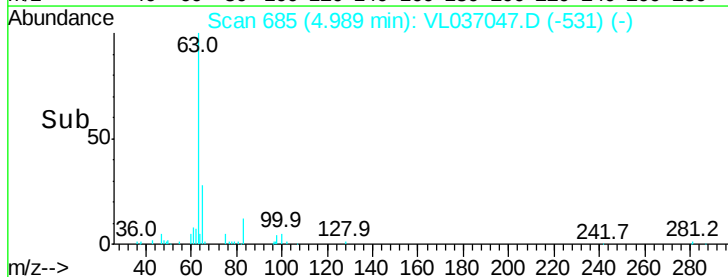
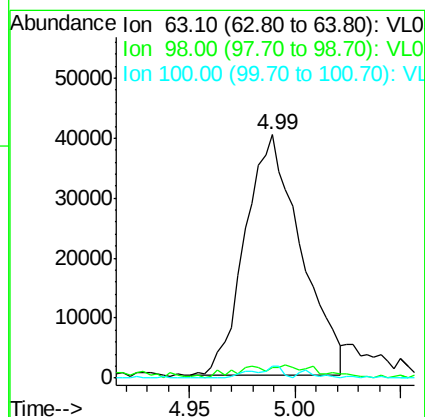
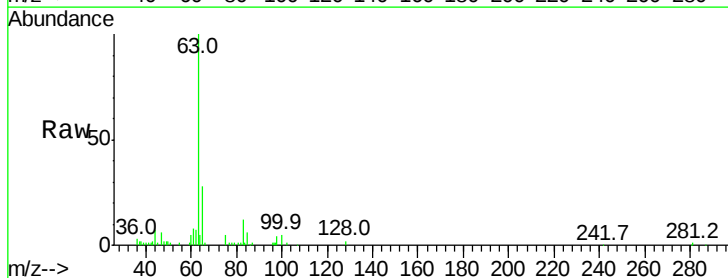
Delta R.T. -0.00 min

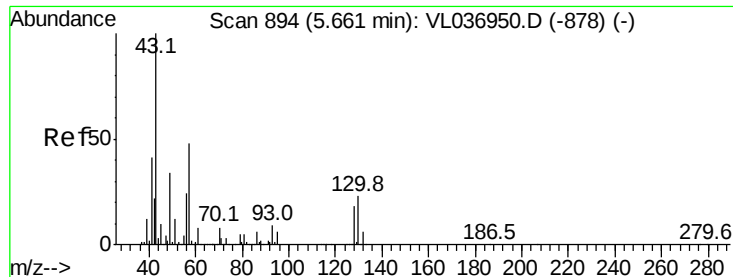
Lab File: VL037047.D

Acq: 24 May 2021 14:19

Tgt Ion: 63 Resp: 74106

Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.3	6.9
100	4.9	1.4	4.0#





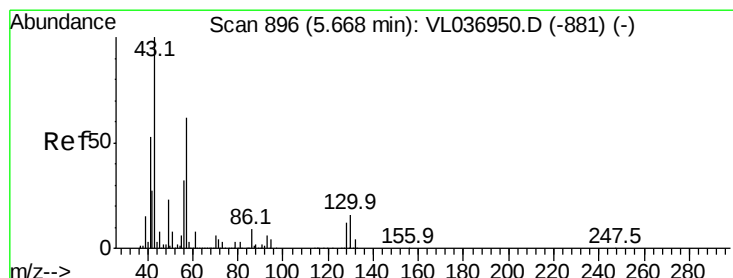
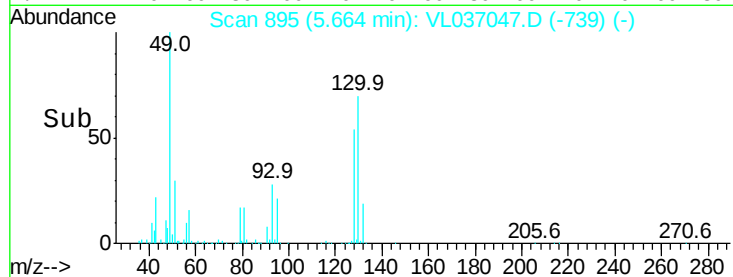
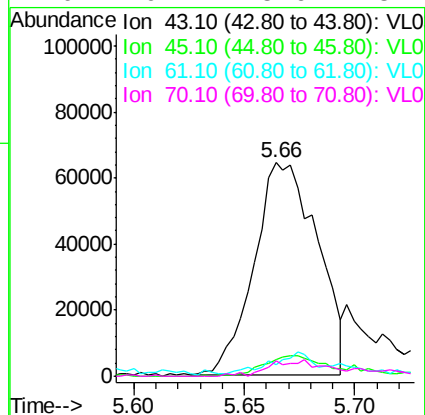
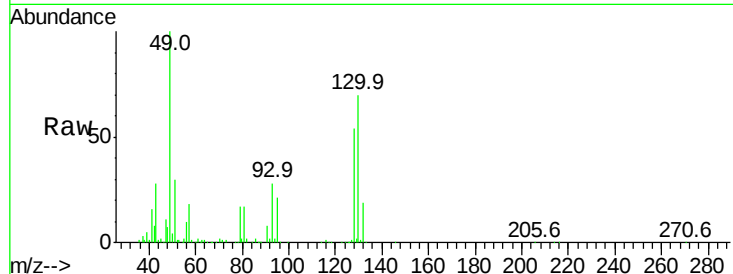
#25
Ethyl Acetate
Concen: 0.418 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
43	100		
45	11.9	7.8	11.8#
61	14.2	7.8	11.8#
70	10.4	5.6	8.4#

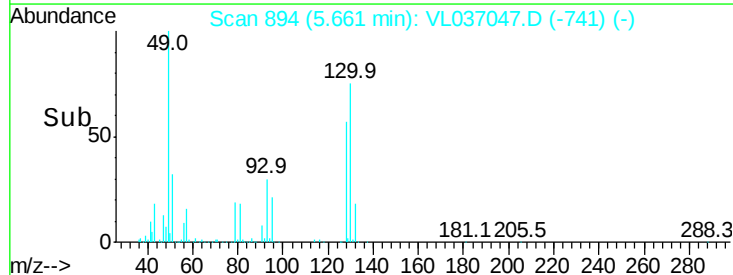
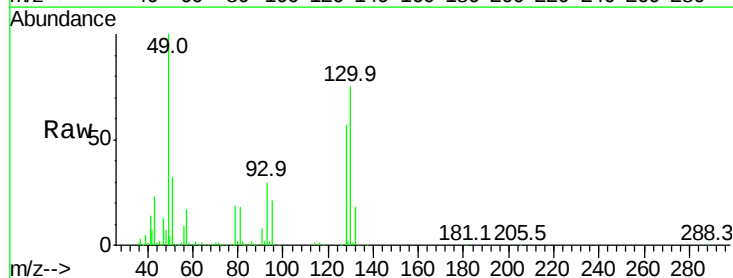
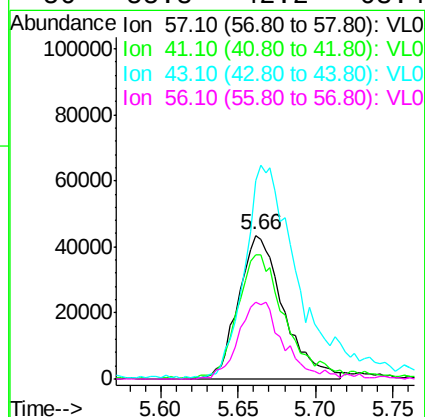
Manual Integrations
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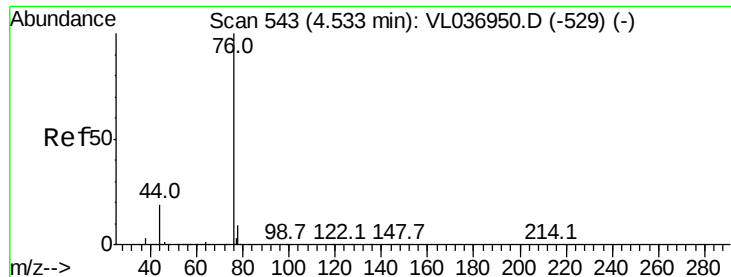
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#26
Hexane
Concen: 0.562 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Tgt Ion	Ratio	Lower	Upper
57	100		
41	96.7	70.5	105.7
43	191.6	165.8	248.8
56	55.8	42.2	63.4





#27

Carbon Disulfide

Concen: 0.368 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

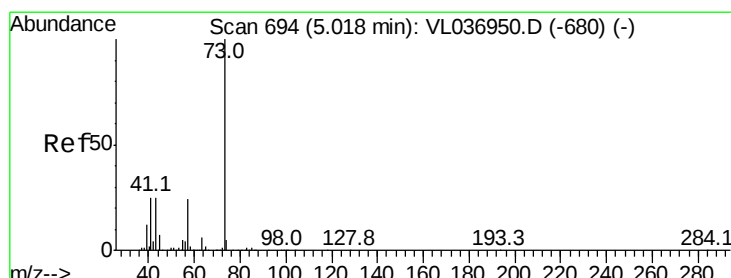
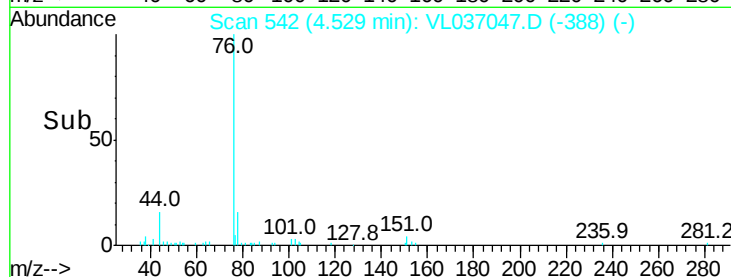
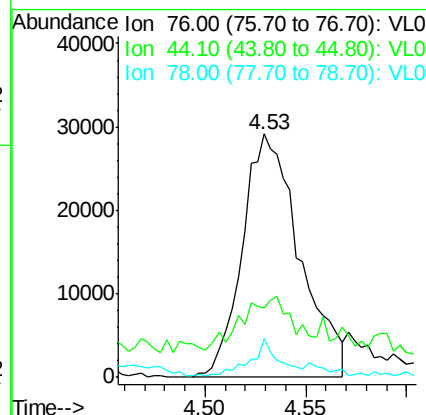
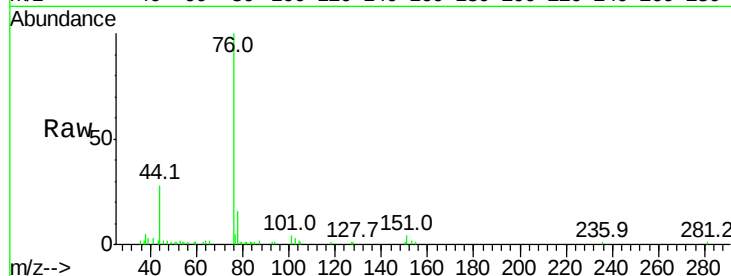
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
76	100		
44	30.7	15.5	23.3#
78	12.2	7.8	11.6#

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#28

Methyl tert-Butyl Ether

Concen: 0.482 ppbv

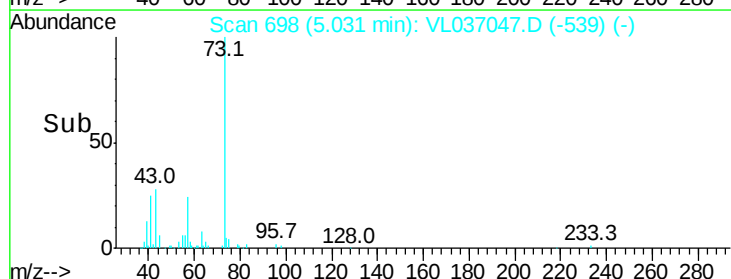
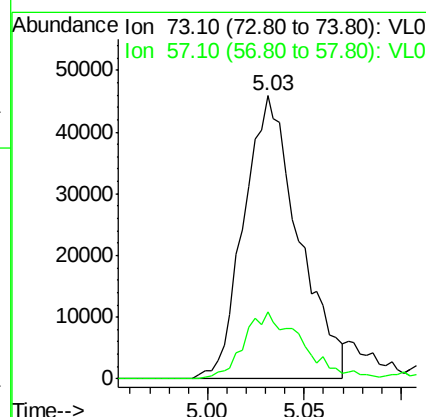
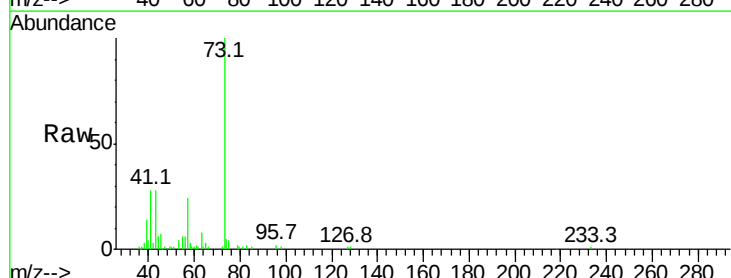
RT: 5.03 min Scan# 698

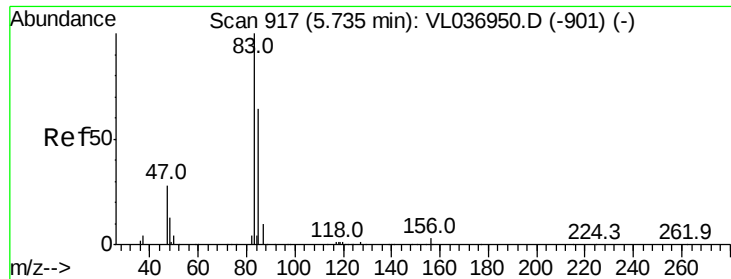
Delta R.T. 0.01 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Tgt Ion	Ratio	Lower	Upper
73	100		
57	26.3	18.3	27.5





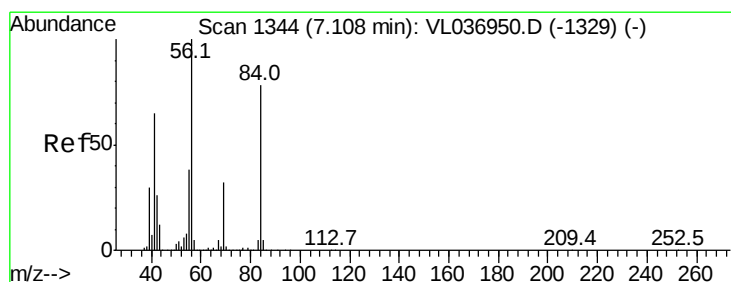
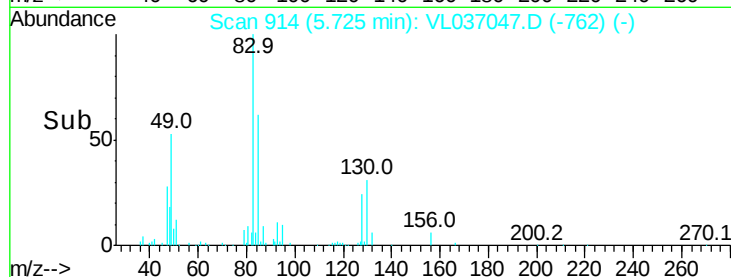
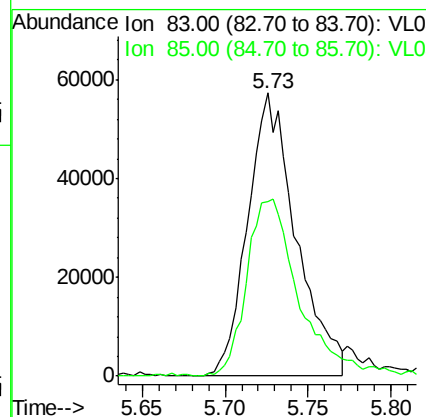
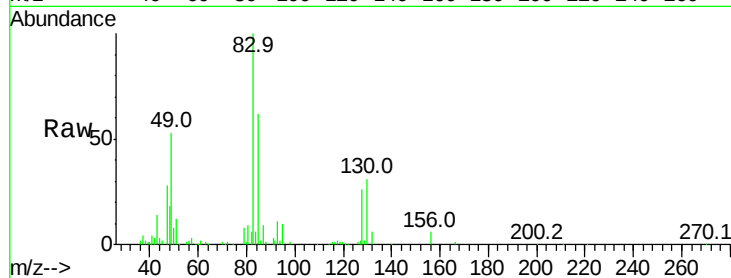
#29
Chloroform
Concen: 0.527 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.01 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 83 Resp: 116459
Ion Ratio Lower Upper
83 100
85 61.6 51.1 76.7

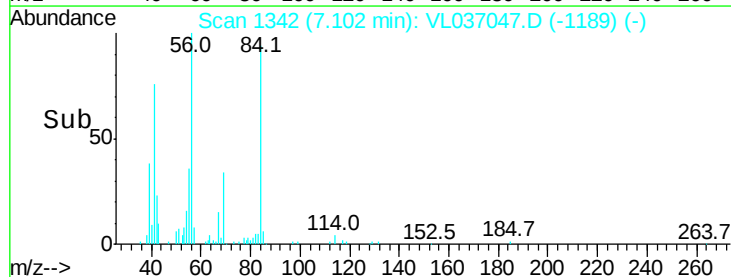
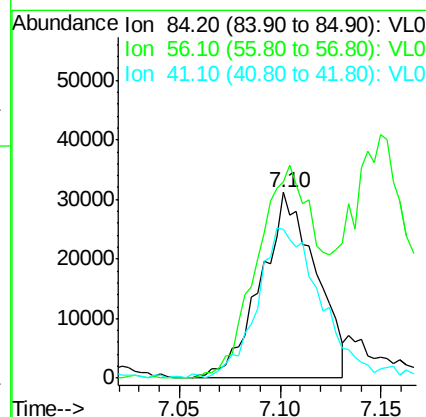
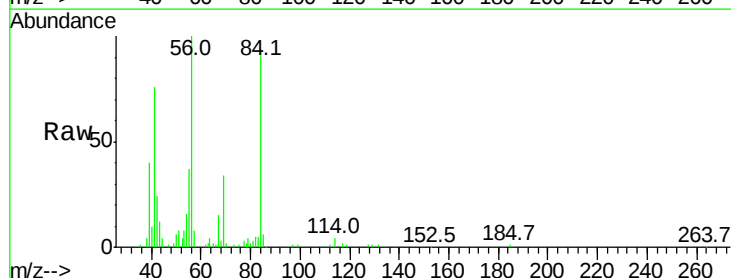
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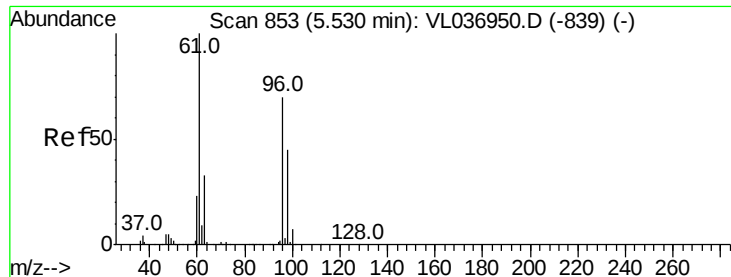
MMDadoda
5/25/2021 6:00:27 PM



#30
Cyclohexane
Concen: 0.445 ppbv
RT: 7.10 min Scan# 1342
Delta R.T. -0.01 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Tgt Ion: 84 Resp: 59103
Ion Ratio Lower Upper
84 100
56 117.5 107.9 161.9
41 95.9 65.5 98.3





#31

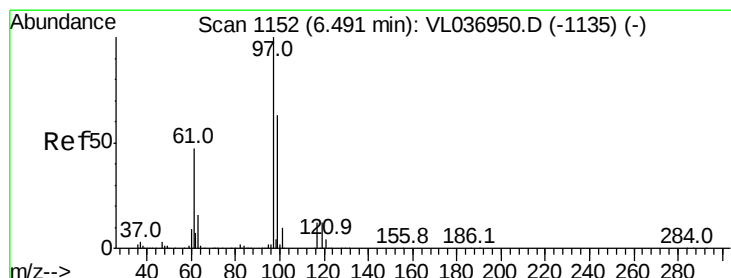
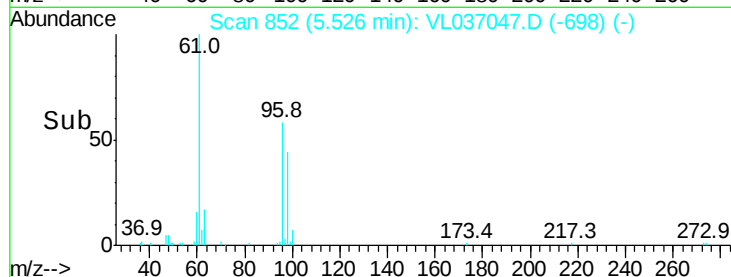
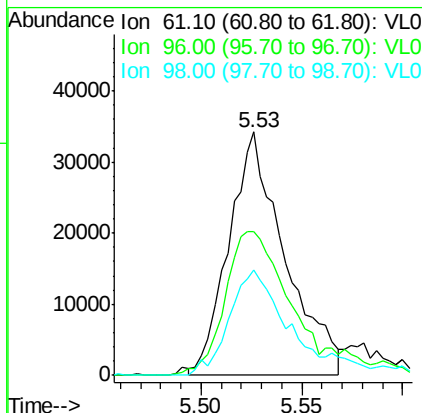
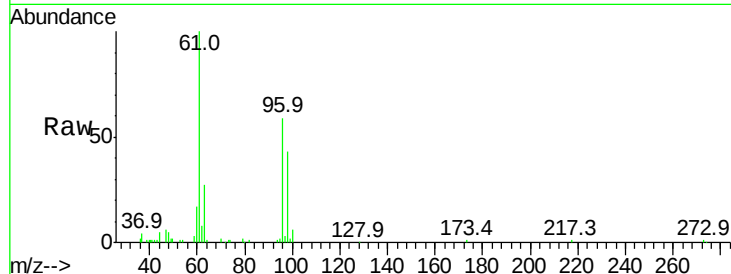
cis-1,2-Dichloroethene
 Concen: 0.473 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: VL037047.D
 Acq: 24 May 2021 14:19

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
61	100		
96	57.4	55.9	83.9
98	44.5	35.6	53.4

Manual Integrations
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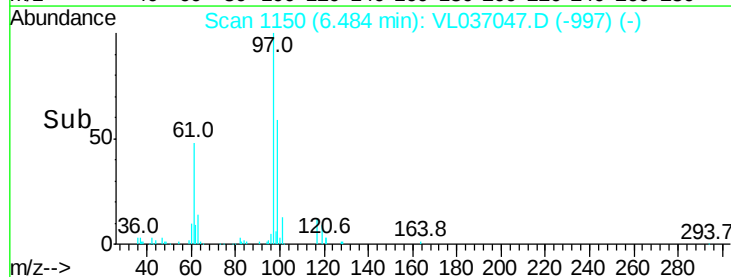
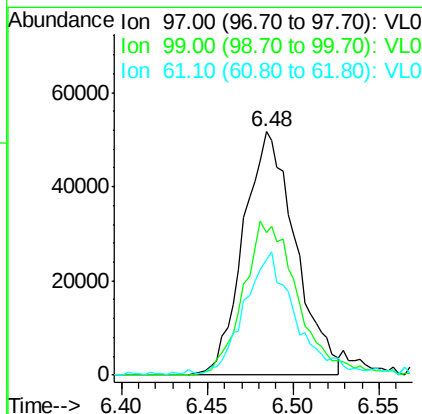
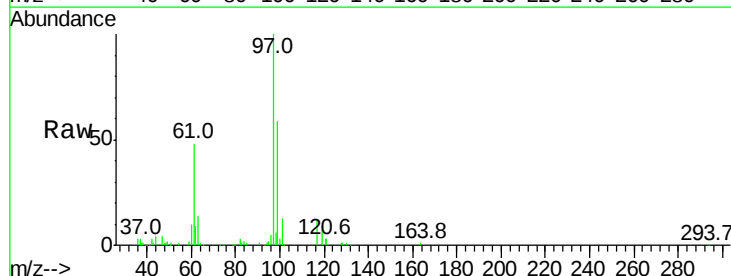
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 5/25/2021 6:00:27 PM

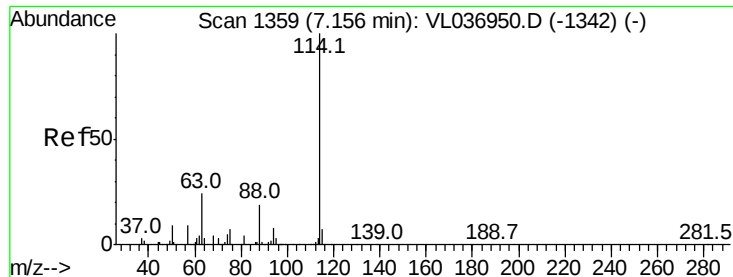


#32

1,1,1-Trichloroethane
 Concen: 0.458 ppbv
 RT: 6.48 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: VL037047.D
 Acq: 24 May 2021 14:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.0	51.9	77.9
61	49.7	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: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

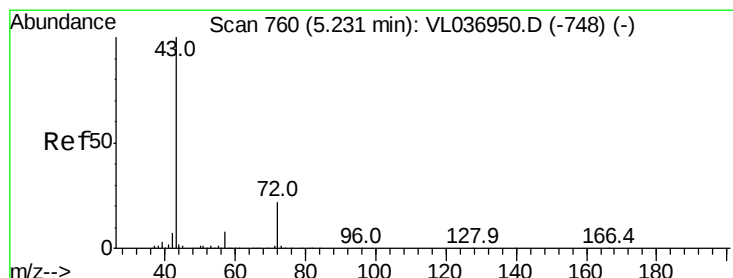
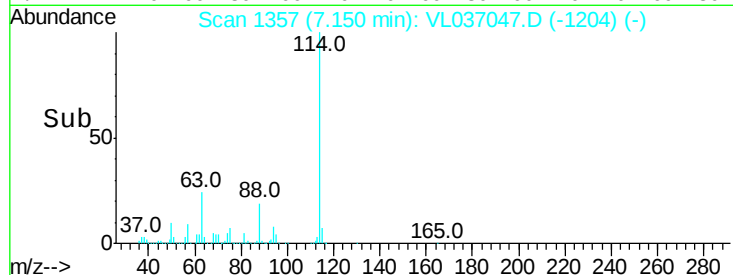
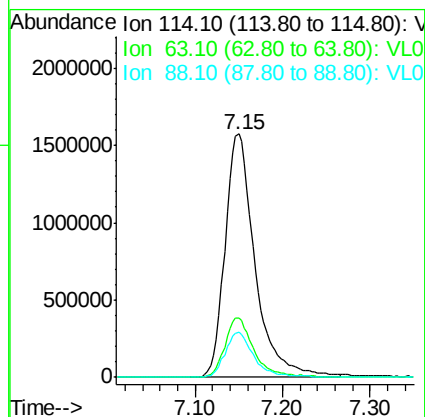
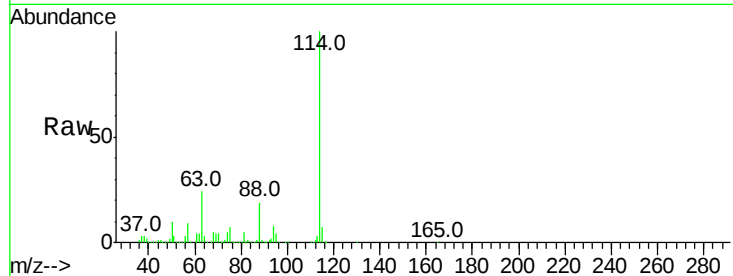
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion:	114	Resp:	3746373
Ion Ratio	Lower	Upper	
114	100		
63	24.0	19.6	29.4
88	18.1	14.6	21.8

Manual Integrations
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#34

2-Butanone

Concen: 0.406 ppbv

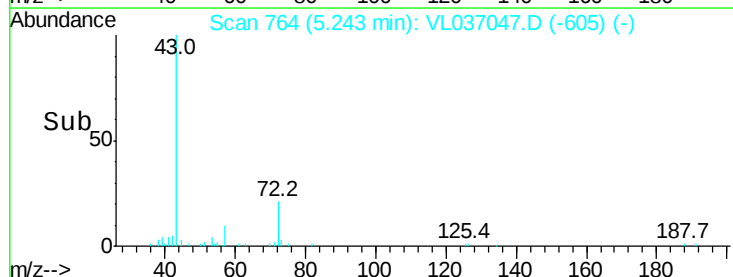
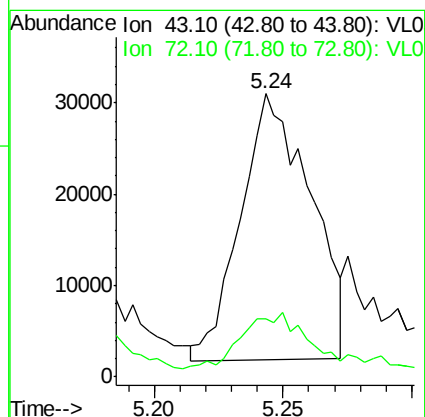
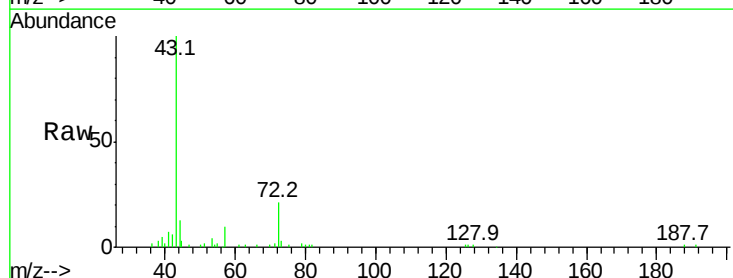
RT: 5.24 min Scan# 764

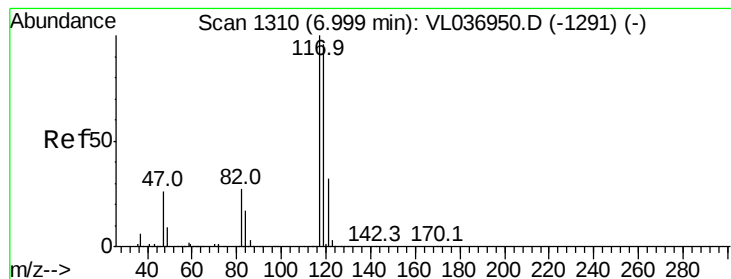
Delta R.T. 0.01 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Tgt Ion:	43	Resp:	55442
Ion Ratio	Lower	Upper	
43	100		
72	37.0	19.0	28.4#





#35

Carbon Tetrachloride

Concen: 0.445 ppbv

RT: 6.99 min Scan# 1307

Delta R.T. -0.01 min

Lab File: VL037047.D

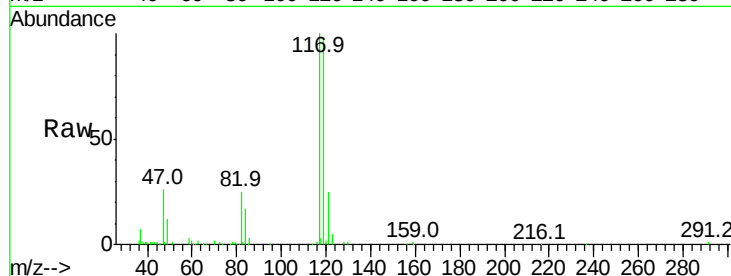
Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

ClientSampleId :

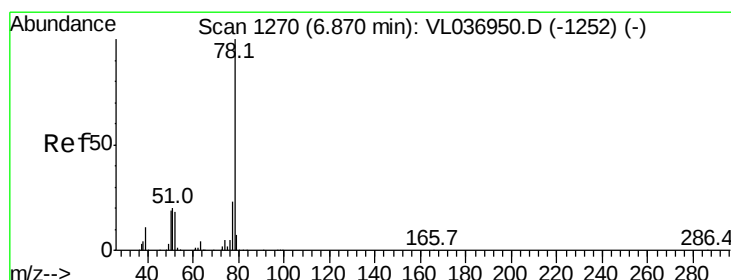
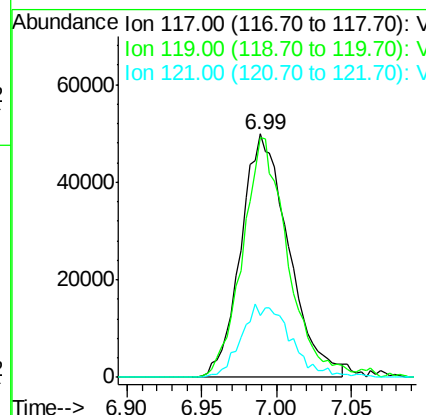
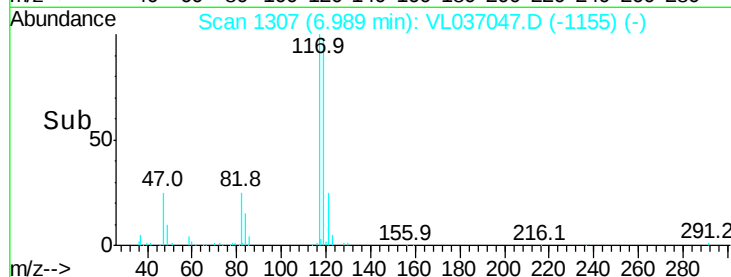
LOD-MDL-AIR-01-QT2-2021



Tgt Ion:	117	Resp:	110742
Ion Ratio	Lower	Upper	
117	100		
119	98.0	76.6	114.8
121	25.1	25.8	38.6#

Manual Integrations
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#36

Benzene

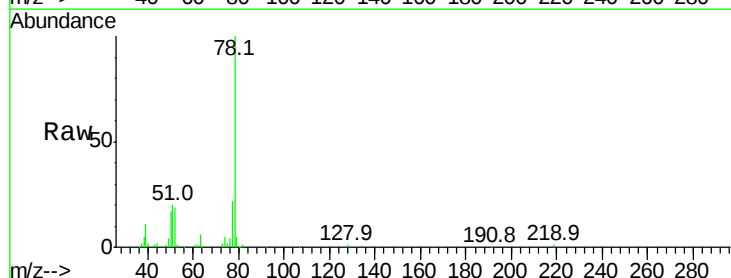
Concen: 0.465 ppbv

RT: 6.86 min Scan# 1268

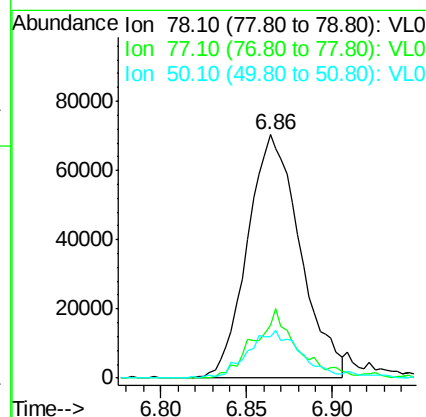
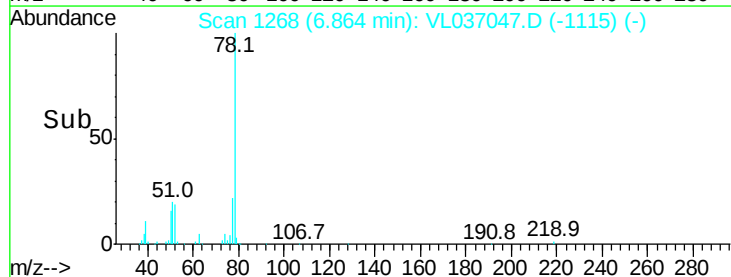
Delta R.T. -0.01 min

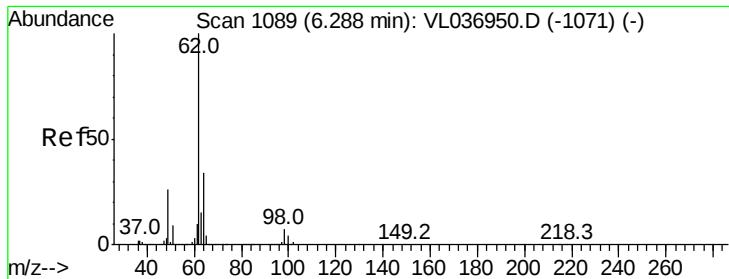
Lab File: VL037047.D

Acq: 24 May 2021 14:19



Tgt Ion:	78	Resp:	150008
Ion Ratio	Lower	Upper	
78	100		
77	21.6	18.6	28.0
50	16.3	15.0	22.4





#37

1,2-Dichloroethane

Concen: 0.501 ppbv

RT: 6.28 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

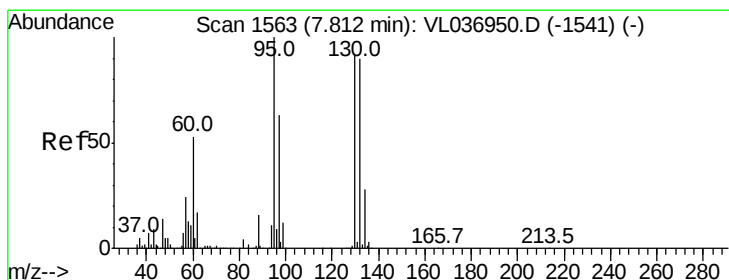
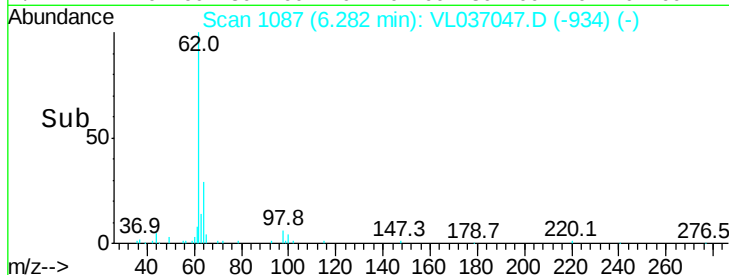
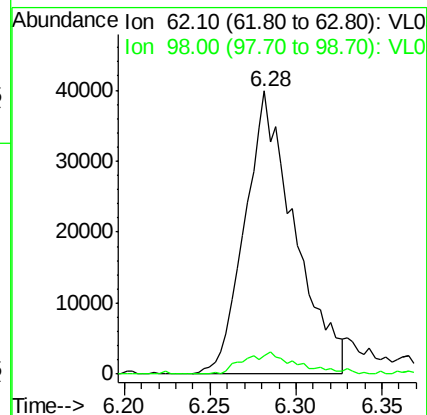
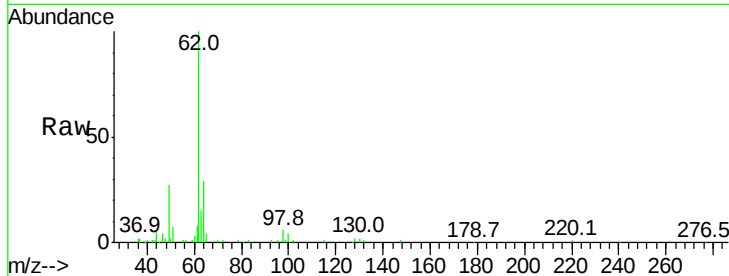
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	8.6	5.5	8.3#

Manual Integrations
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#38

Trichloroethene

Concen: 0.466 ppbv

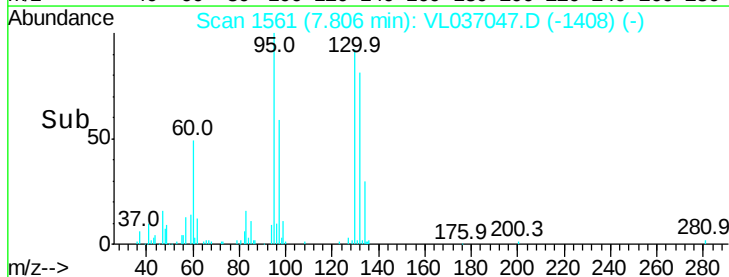
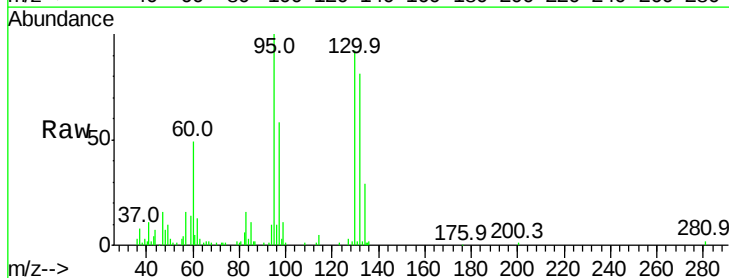
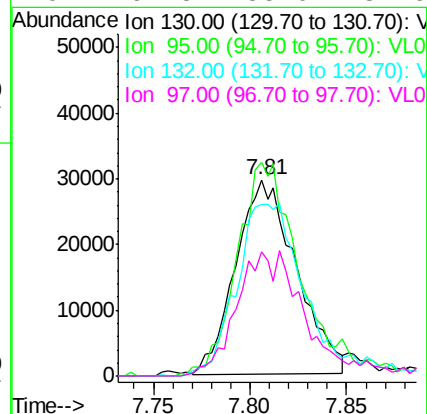
RT: 7.81 min Scan# 1561

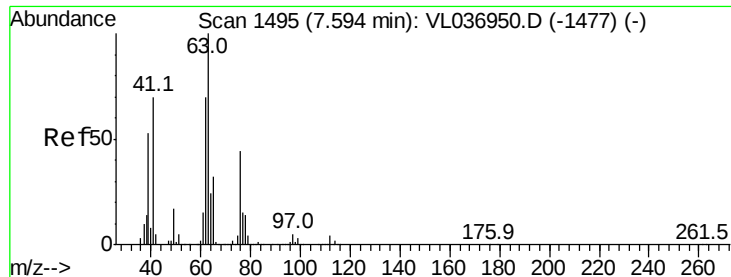
Delta R.T. -0.01 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Tgt Ion	Ratio	Resp Lower	Upper
130	100		
95	106.1	86.9	130.3
132	86.6	78.4	117.6
97	62.8	55.0	82.6





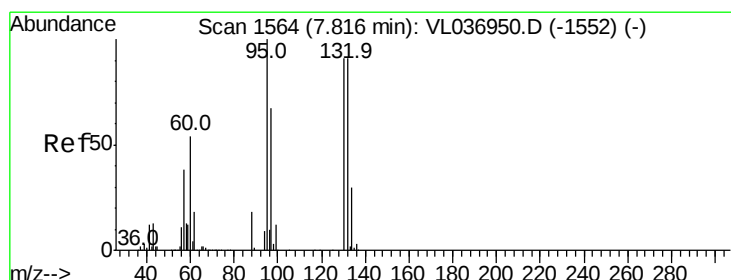
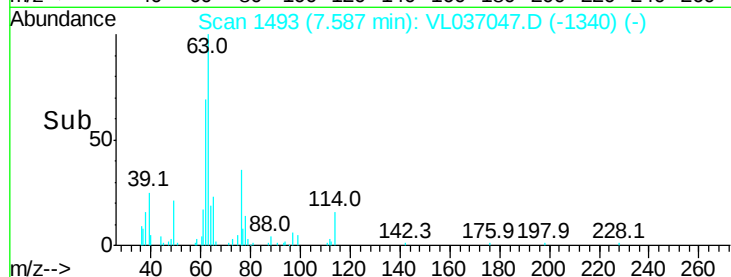
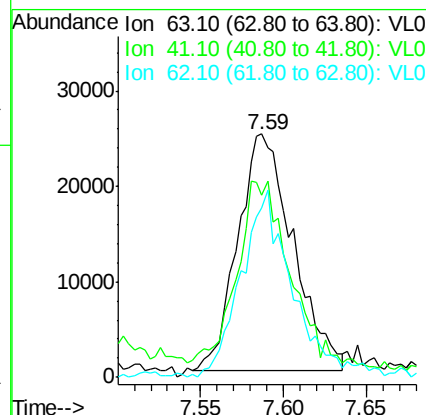
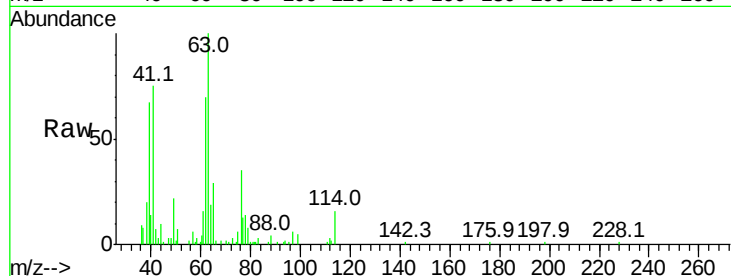
#39
 1,2-Dichloropropane
 Concen: 0.462 ppbv
 RT: 7.59 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: VL037047.D
 Acq: 24 May 2021 14:19

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
63	100		
41	71.1	55.7	83.5
62	70.0	56.2	84.4

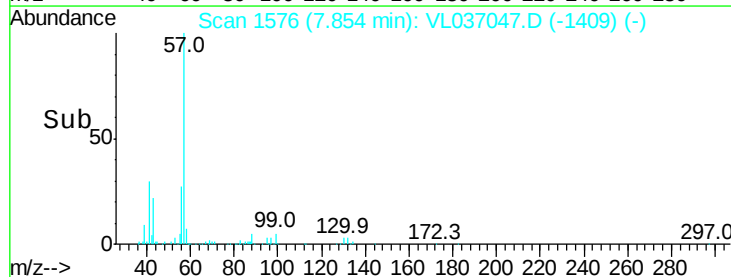
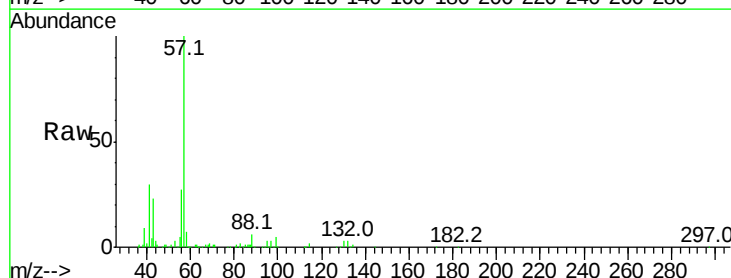
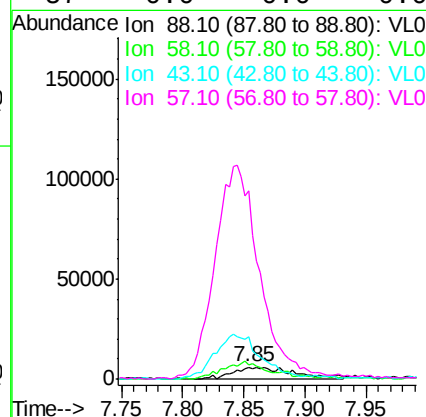
Manual Integrations
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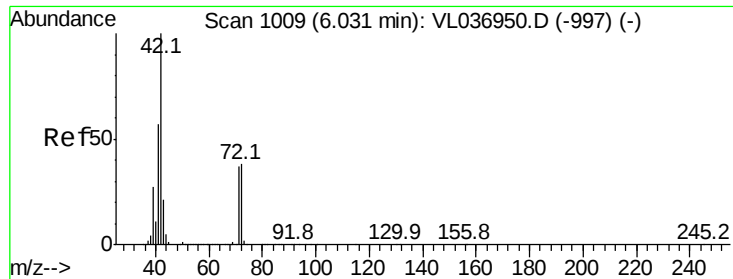
MMDadoda
 5/25/2021 6:00:27 PM



#40
 1,4-Dioxane
 Concen: 0.712 ppbv m
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.04 min
 Lab File: VL037047.D
 Acq: 24 May 2021 14:19

Tgt 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





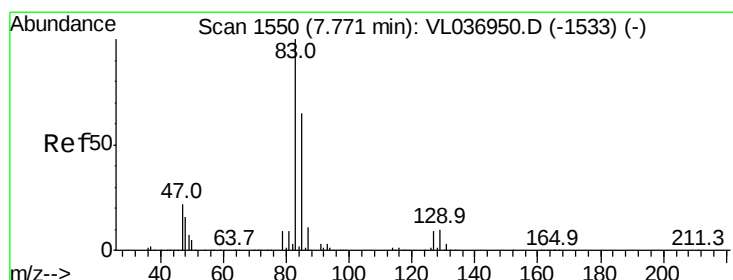
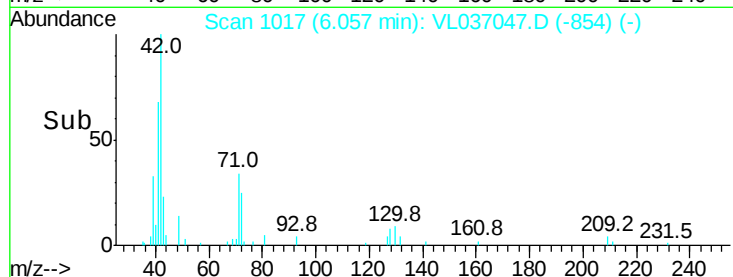
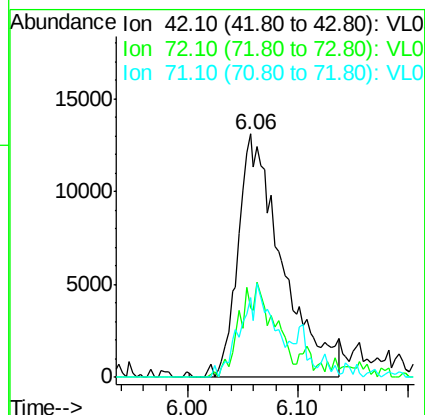
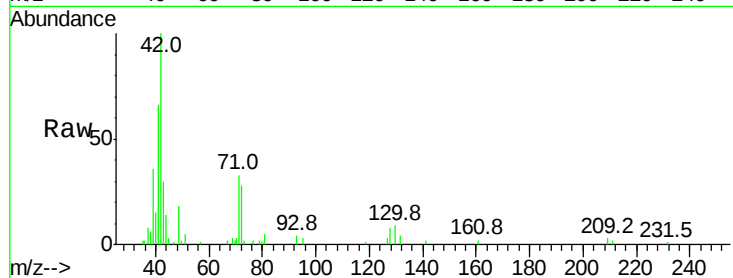
#41
Tetrahydrofuran
Concen: 0.467 ppbv m
RT: 6.06 min Scan# 1017
Delta R.T. 0.03 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

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

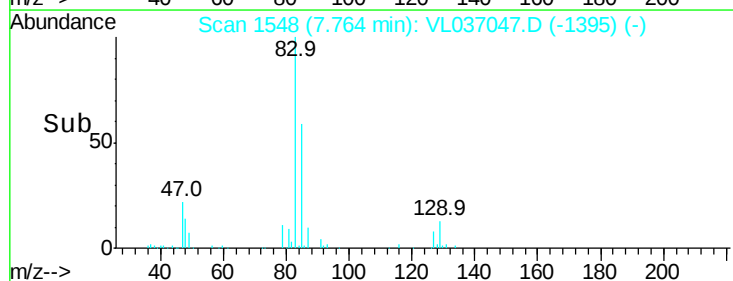
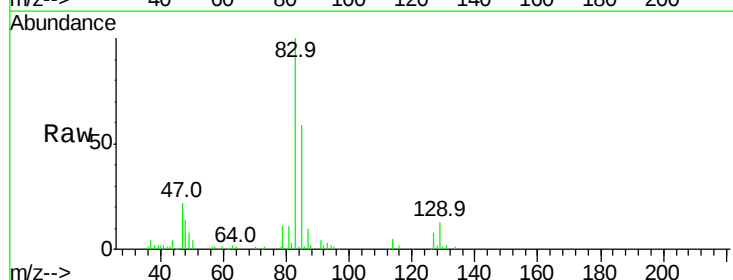
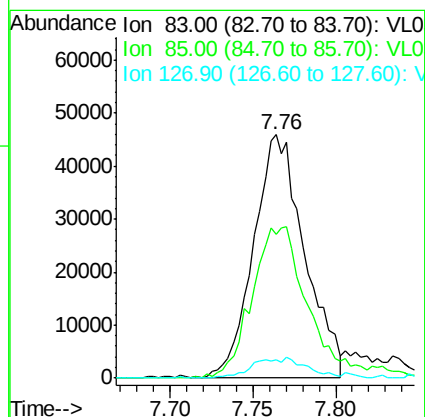
Manual Integrations
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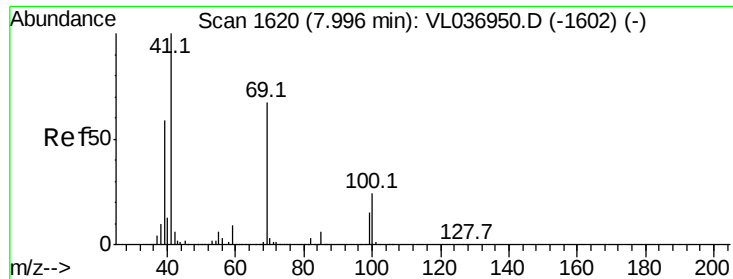
MMDadoda
5/25/2021 6:00:27 PM



#42
Bromodichloromethane
Concen: 0.407 ppbv
RT: 7.76 min Scan# 1548
Delta R.T. -0.01 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.9	51.7	77.5
127	7.0	6.9	10.3





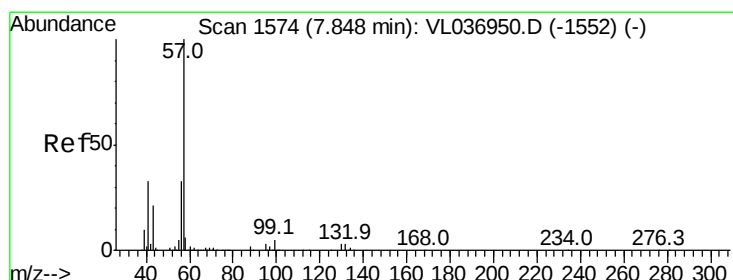
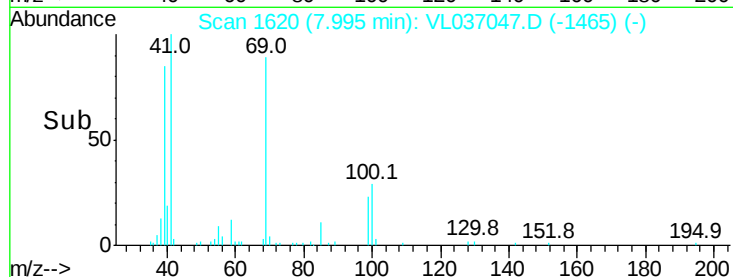
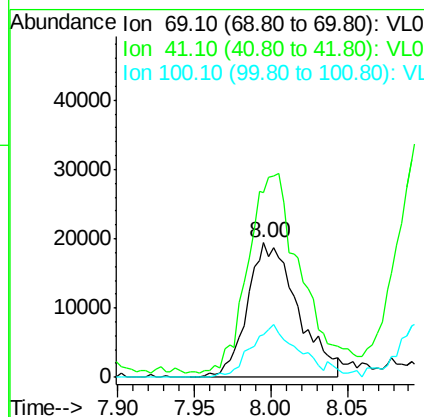
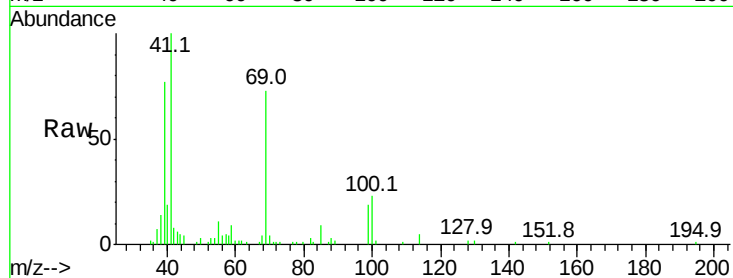
#43
Methyl Methacrylate
Concen: 0.399 ppbv m
RT: 8.00 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 69 Resp: 44405
Ion Ratio Lower Upper
69 100
41 0.0 118.6 178.0#
100 0.0 28.2 42.4#

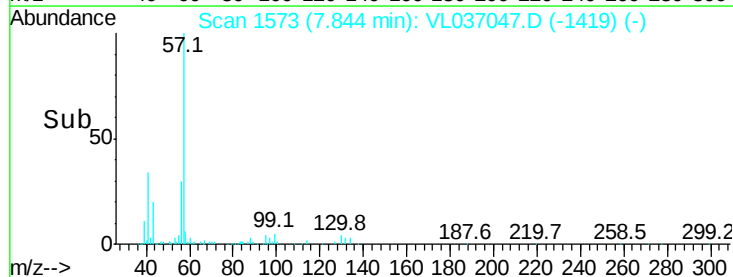
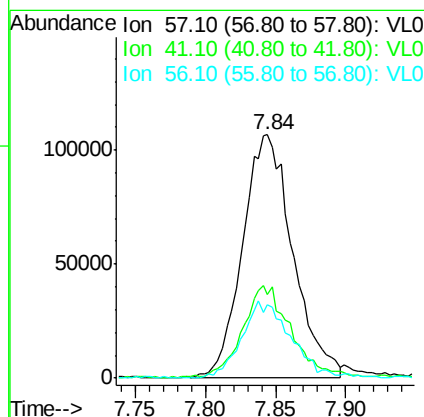
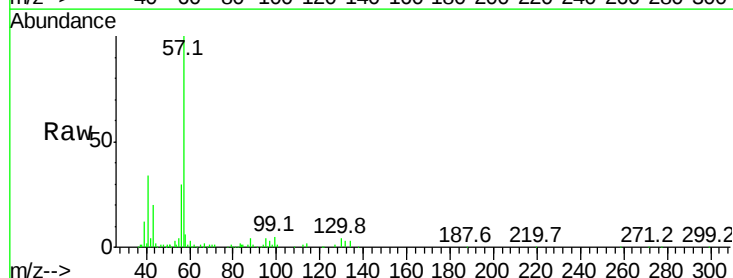
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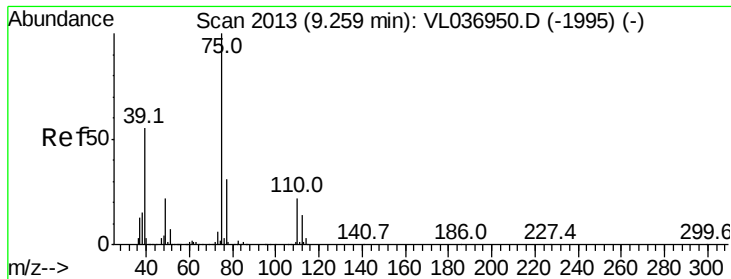
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 0.477 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Tgt Ion: 57 Resp: 264309
Ion Ratio Lower Upper
57 100
41 36.4 27.0 40.4
56 31.7 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 0.304 ppbv m

RT: 9.26 min Scan# 2013

Delta R.T. -0.00 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 75 Resp: 25862

Ion Ratio Lower Upper

75 100

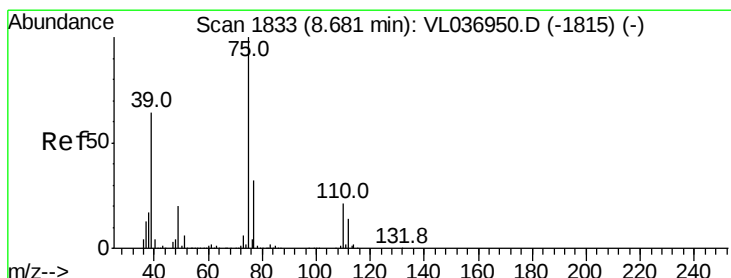
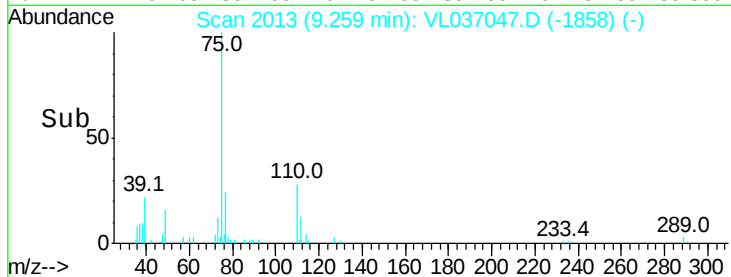
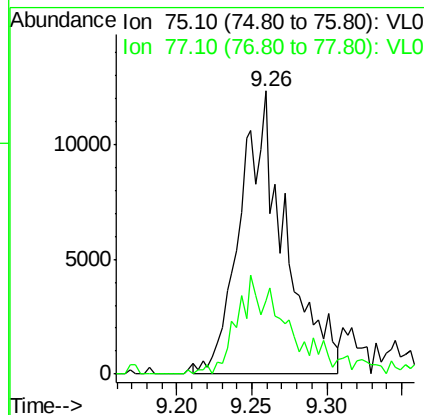
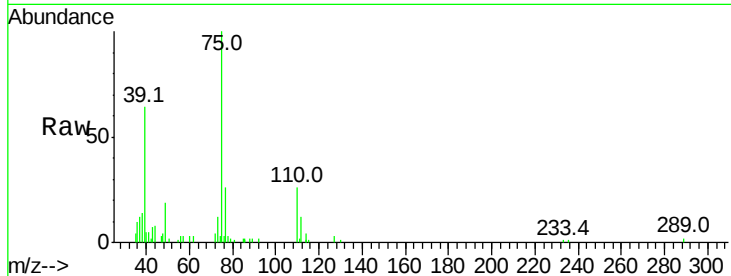
77 25.9 24.4 36.6

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#46

cis-1,3-Dichloropropene

Concen: 0.381 ppbv m

RT: 8.67 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

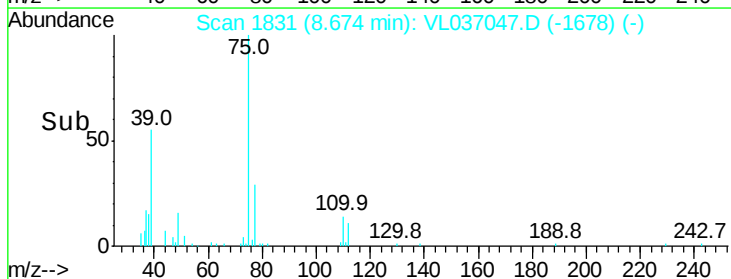
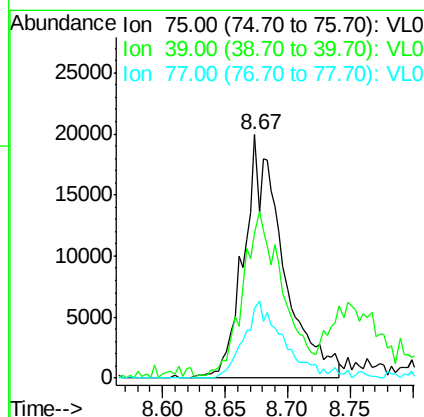
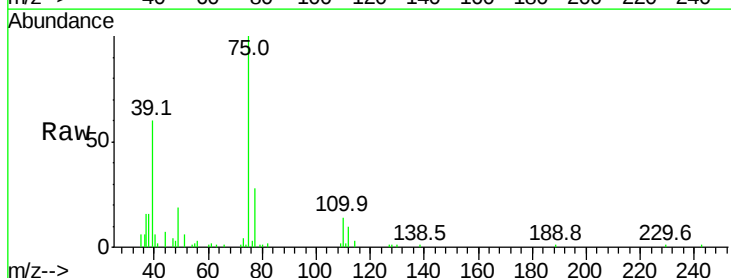
Tgt Ion: 75 Resp: 43523

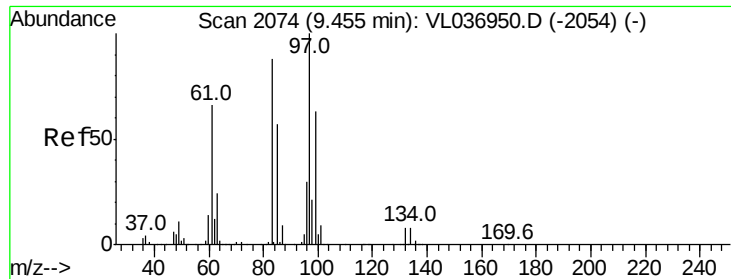
Ion Ratio Lower Upper

75 100

39 59.7 51.5 77.3

77 28.5 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 0.456 ppbv

RT: 9.45 min Scan# 2072

Delta R.T. -0.01 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

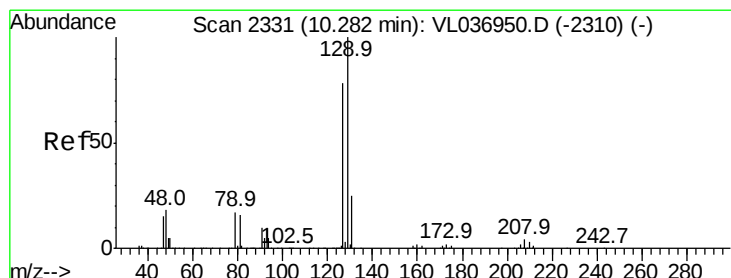
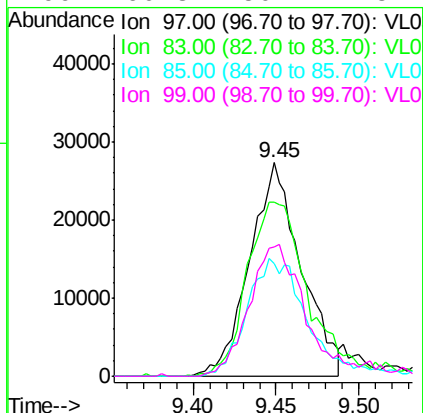
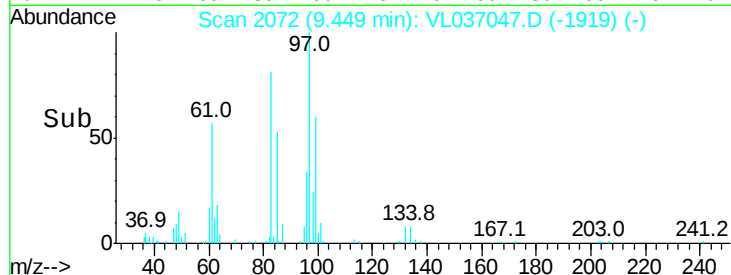
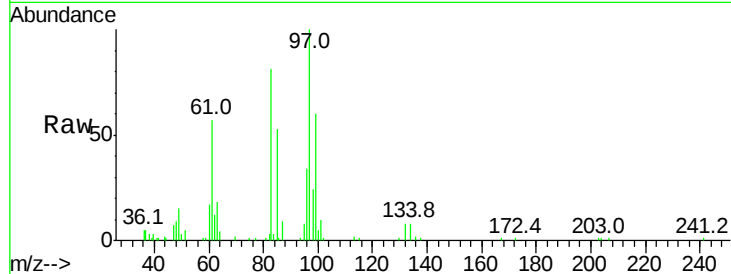
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.7	70.4	105.6
85	54.2	45.5	68.3
99	60.3	50.2	75.2

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#48

Dibromochloromethane

Concen: 0.361 ppbv

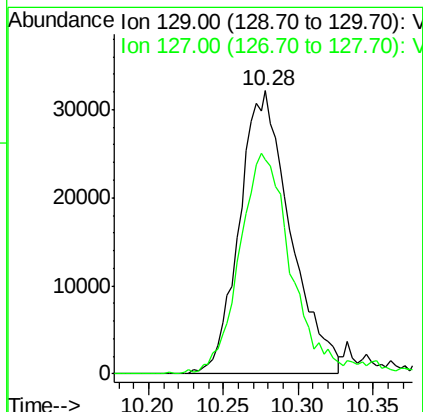
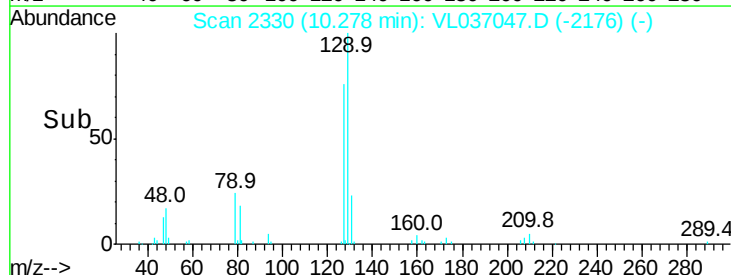
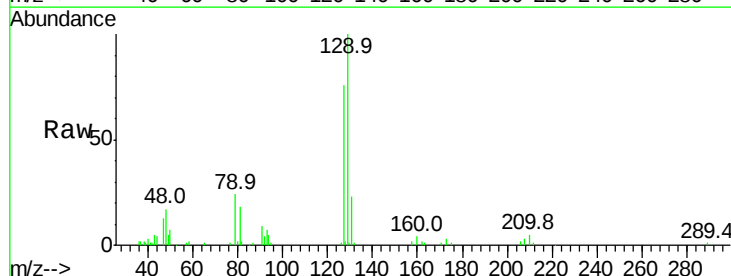
RT: 10.28 min Scan# 2330

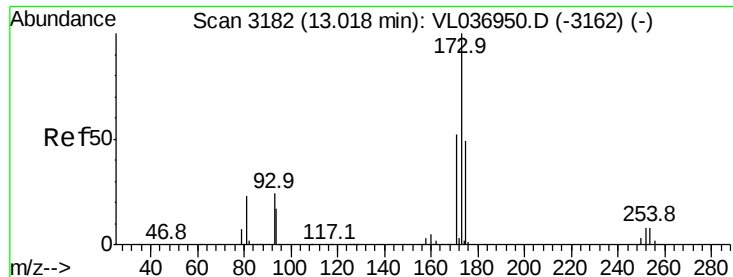
Delta R.T. -0.00 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.7	39.3	117.8





#49

Bromoform

Concen: 0.299 ppbv m

RT: 13.01 min Scan# 3179

Delta R.T. -0.01 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

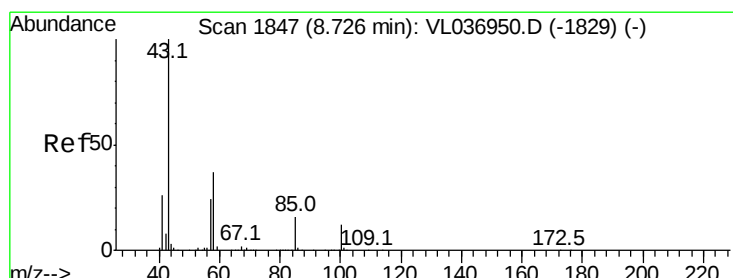
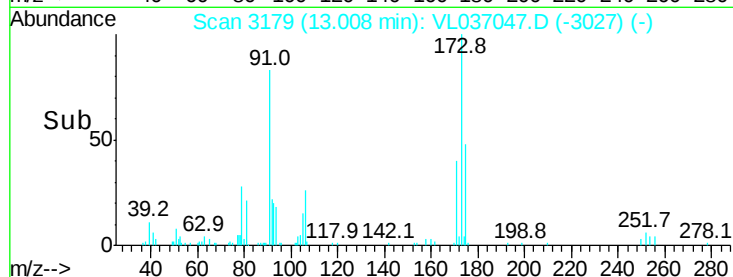
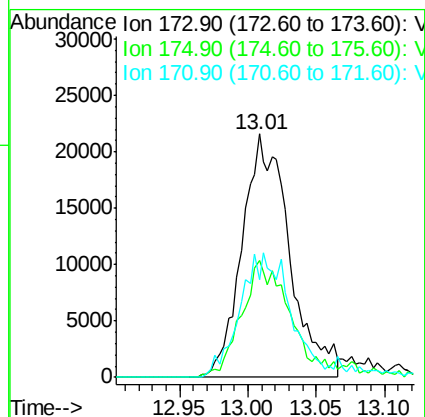
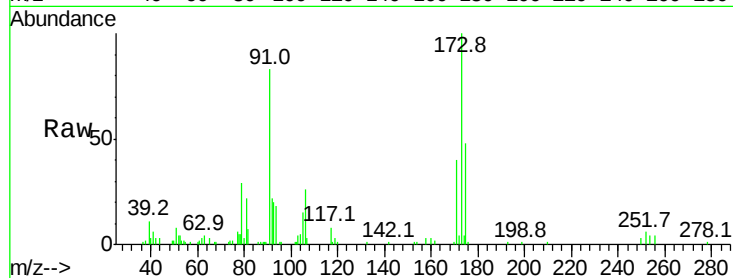
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion:	173	Resp:	51955
Ion Ratio	Lower	Upper	
173	100		
175	52.7	40.4	60.6
171	58.4	42.6	64.0

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#50

4-Methyl-2-Pentanone

Concen: 0.418 ppbv m

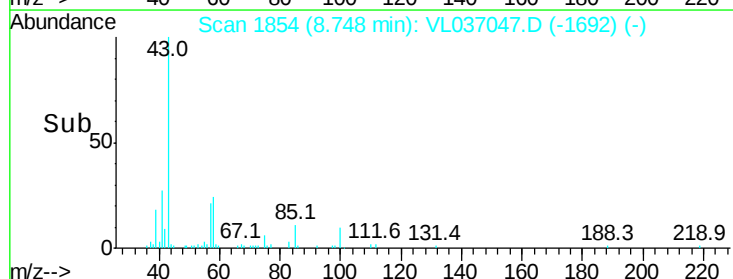
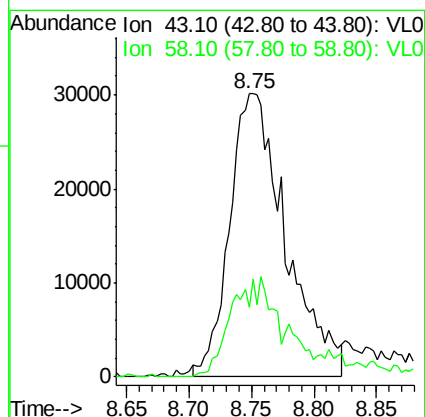
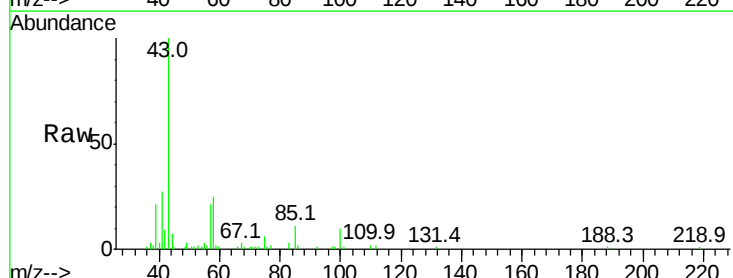
RT: 8.75 min Scan# 1854

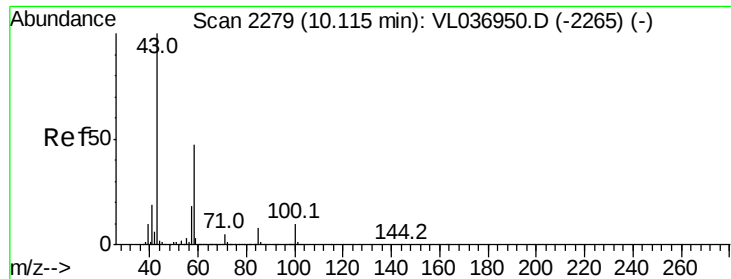
Delta R.T. 0.02 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Tgt Ion:	43	Resp:	94050
Ion Ratio	Lower	Upper	
43	100		
58	39.4	29.4	44.2





#51

2-Hexanone

Concen: 0.372 ppbv m

RT: 10.15 min Scan# 2291

Delta R.T. 0.04 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 43 Resp: 44266

Ion Ratio Lower Upper

43 100

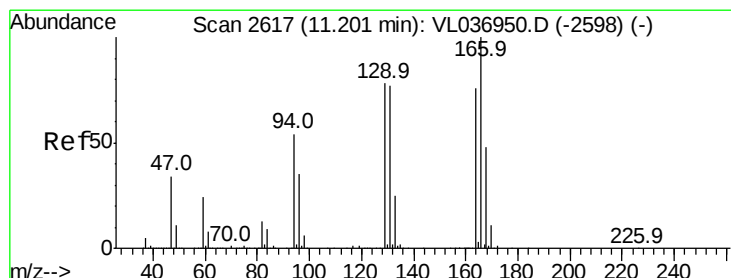
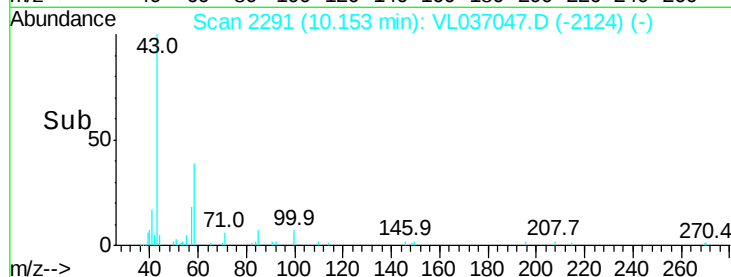
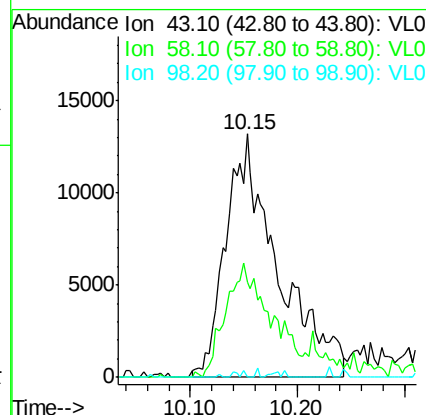
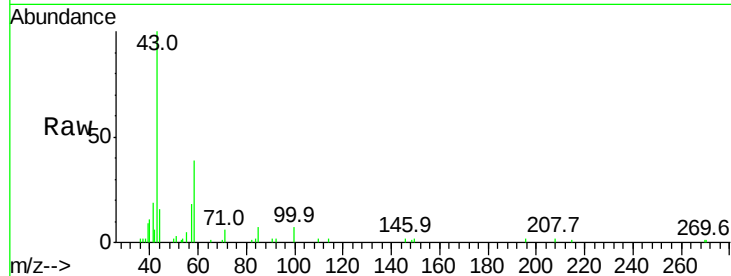
58 0.0 41.1 61.7#

98 0.0 0.1 0.1#

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#52

Tetrachloroethene

Concen: 0.544 ppbv

RT: 11.19 min Scan# 2615

Delta R.T. -0.01 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Tgt Ion: 164 Resp: 69854

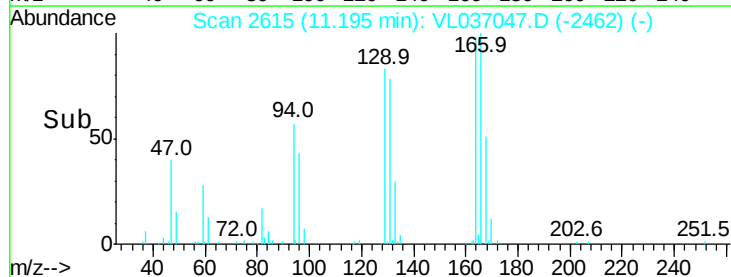
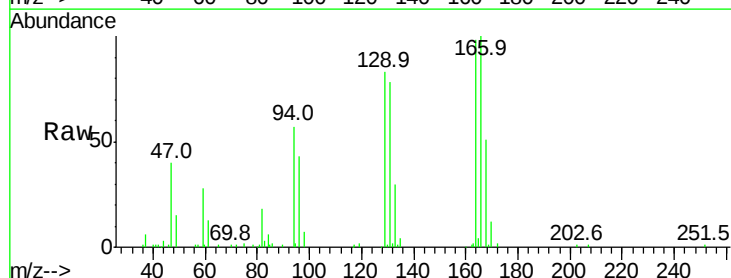
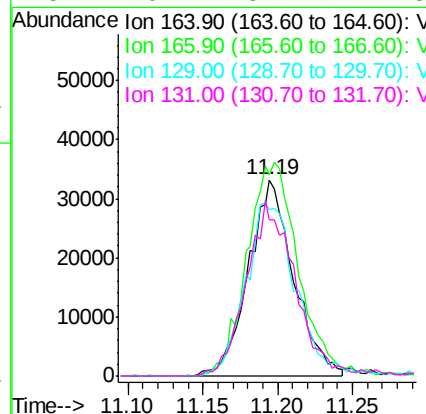
Ion Ratio Lower Upper

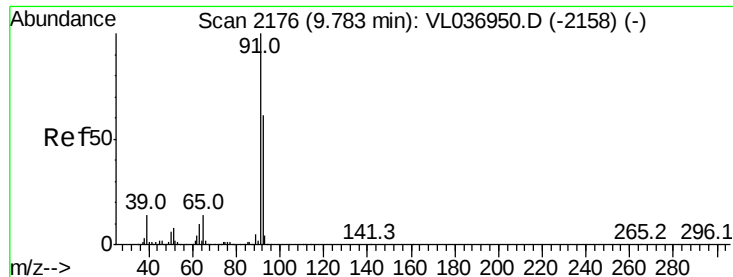
164 100

166 102.0 105.5 158.3#

129 84.6 81.8 122.8

131 79.2 81.2 121.8#





#53

Toluene

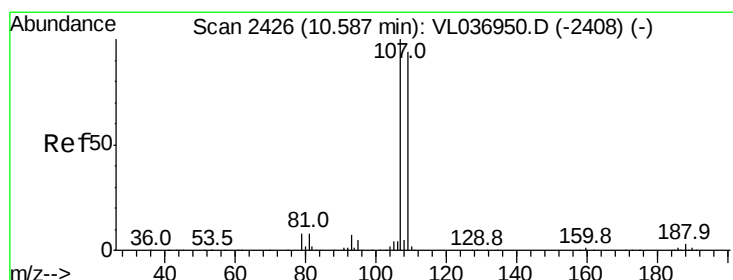
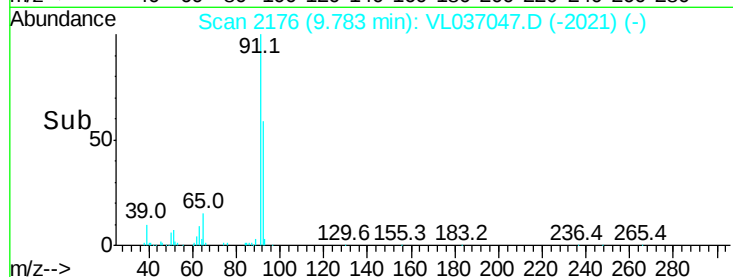
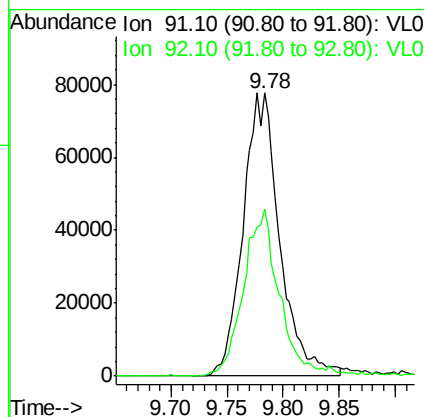
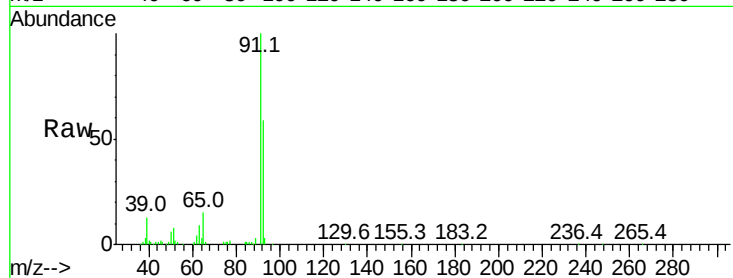
Concen: 0.459 ppbv m
RT: 9.78 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 91 Resp: 176240
Ion Ratio Lower Upper
91 100
92 0.0 49.5 74.3#

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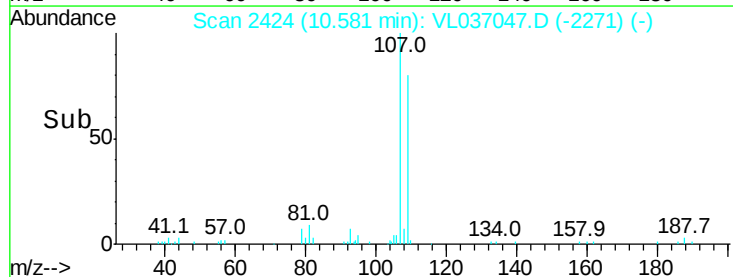
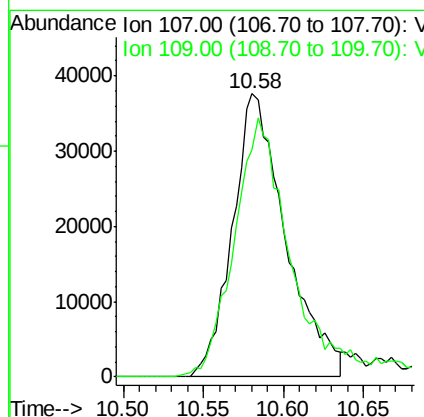
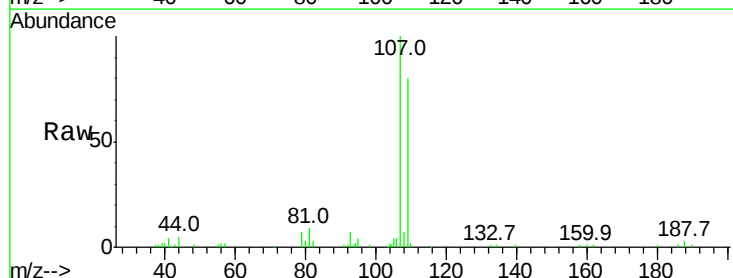


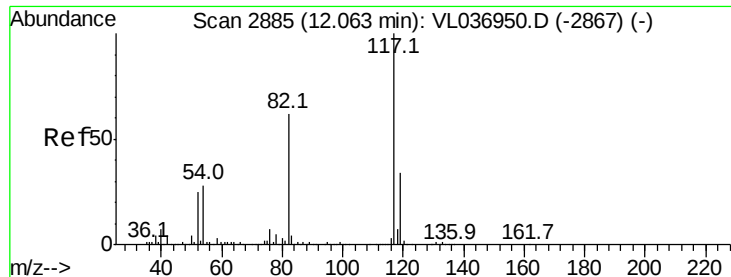
#54

1,2-Dibromoethane

Concen: 0.463 ppbv
RT: 10.58 min Scan# 2424
Delta R.T. -0.01 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Tgt Ion: 107 Resp: 85637
Ion Ratio Lower Upper
107 100
109 78.7 75.0 112.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2883

Delta R.T. -0.01 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion:117 Resp: 3342430

Ion Ratio Lower Upper

117 100

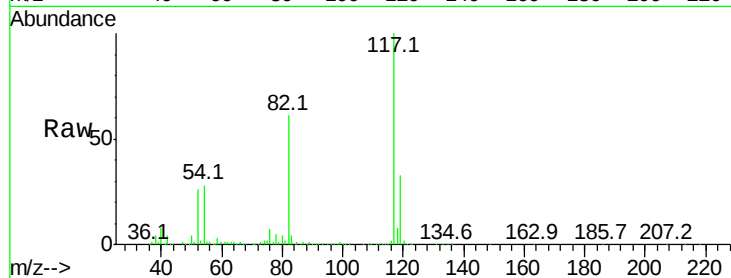
82 61.7 52.6 79.0

119 35.3 46.6 70.0#

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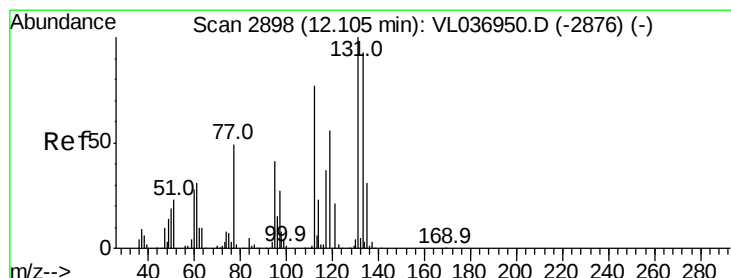
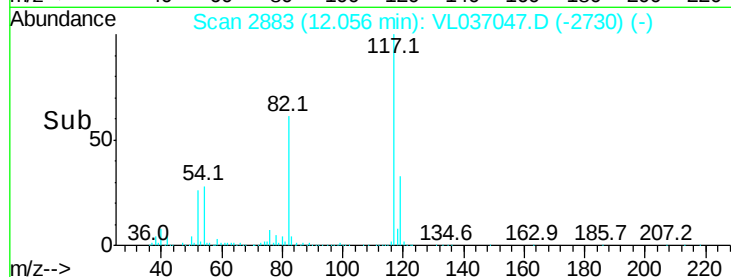
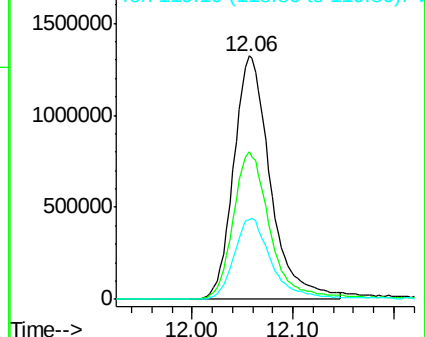
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.465 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. -0.01 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

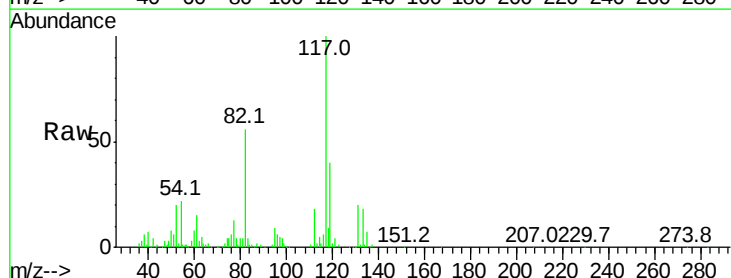
Tgt Ion:131 Resp: 65447

Ion Ratio Lower Upper

131 100

133 101.7 76.9 115.3

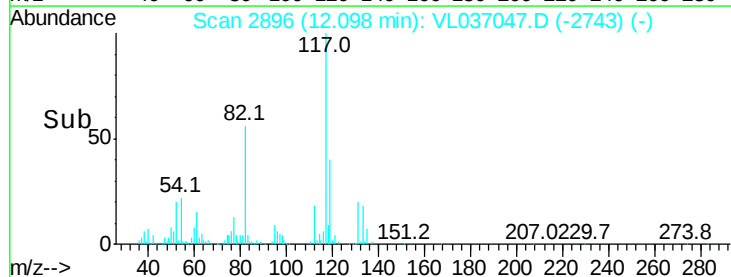
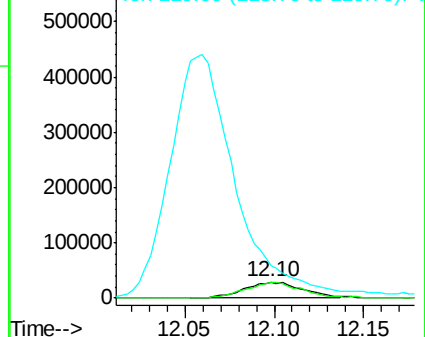
119 1804.1 120.2 180.4#

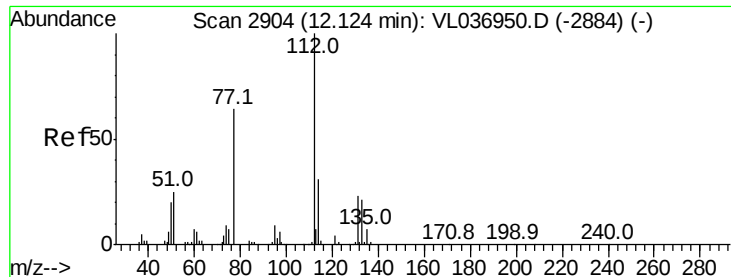


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.554 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

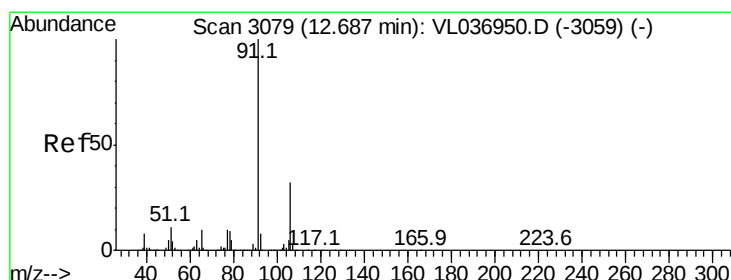
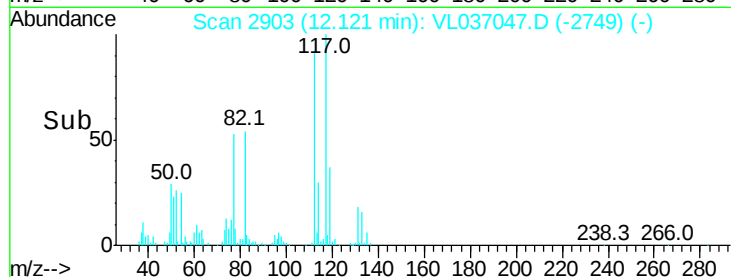
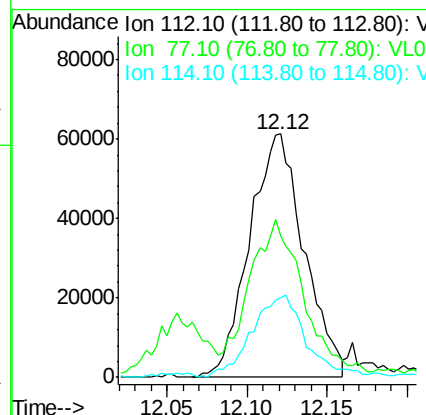
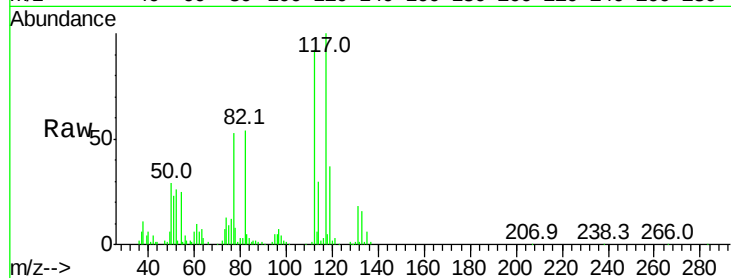
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
112	100		
77	50.7	51.0	76.6#
114	31.2	28.3	34.5

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#58

Ethyl Benzene

Concen: 0.508 ppbv

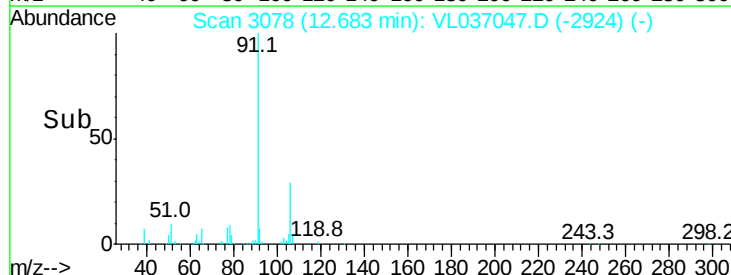
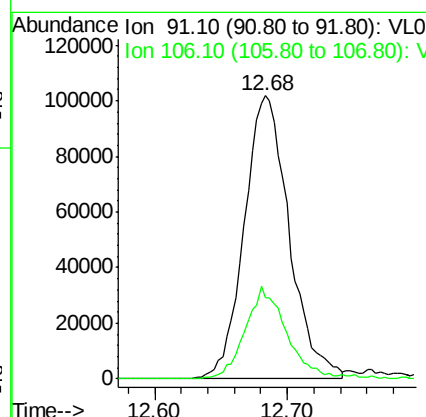
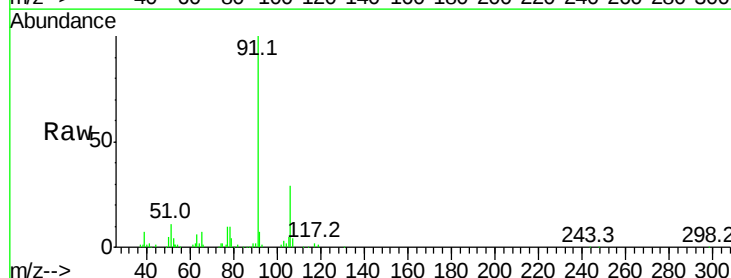
RT: 12.68 min Scan# 3078

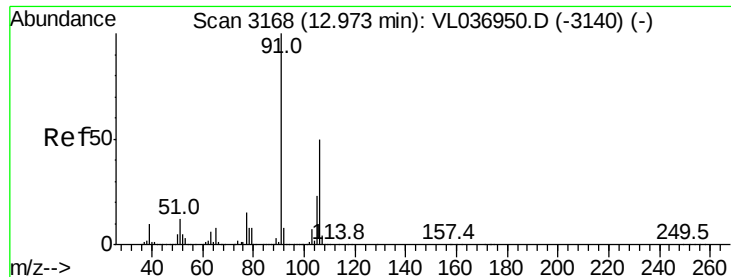
Delta R.T. -0.00 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.7	25.6	38.4





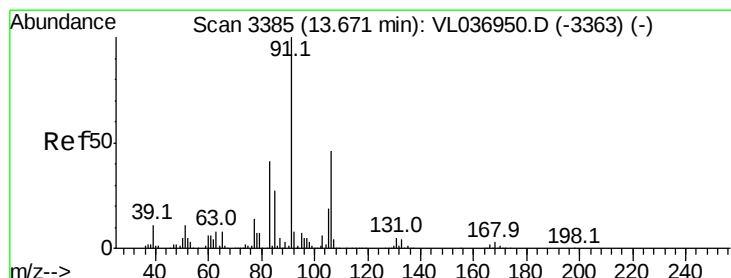
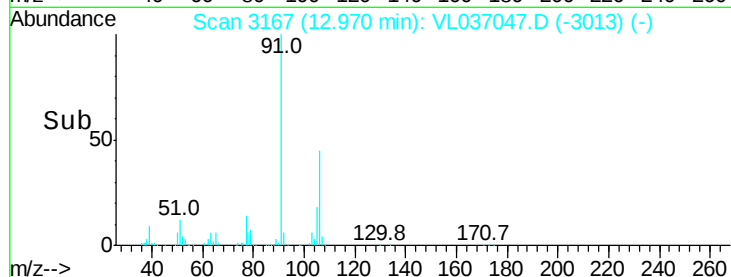
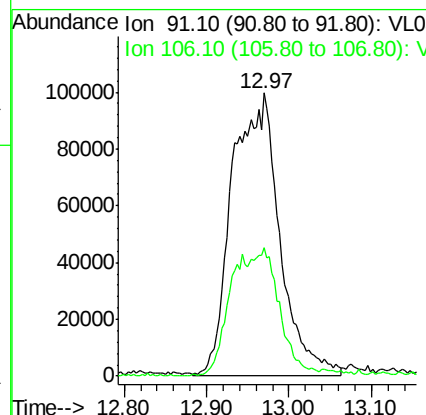
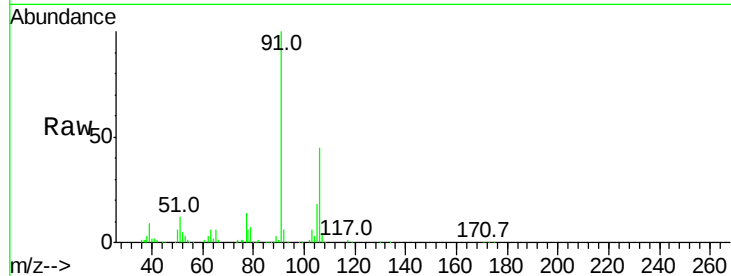
#59
m/p-Xylene
Concen: 1.030 ppbv m
RT: 12.97 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 91 Resp: 401559
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#

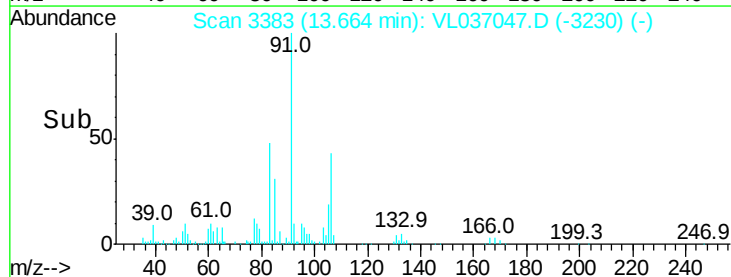
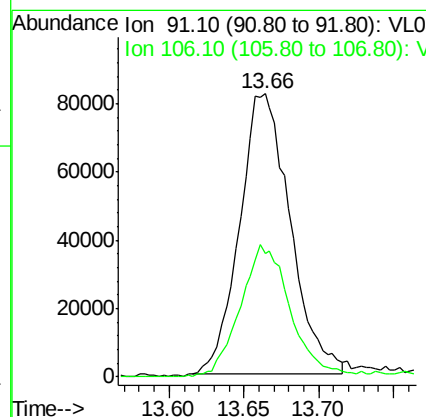
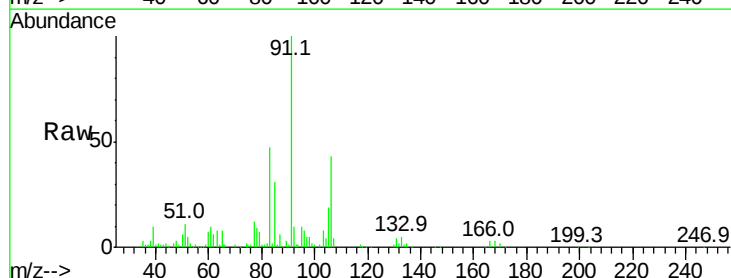
Manual Integrations
APPROVED

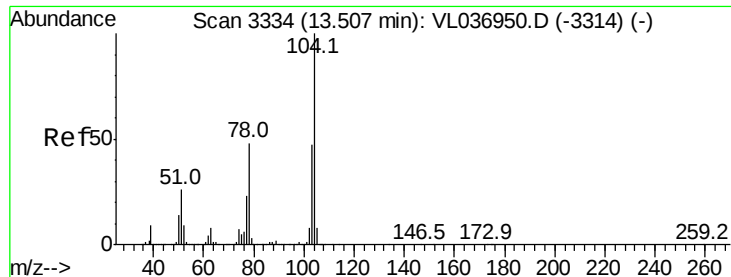
MMDadoda
5/25/2021 6:00:27 PM



#60
o-Xylene
Concen: 0.522 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.01 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Tgt Ion: 91 Resp: 194103
Ion Ratio Lower Upper
91 100
106 48.4 23.4 70.3





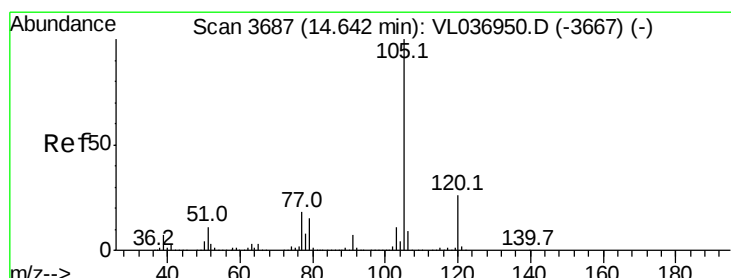
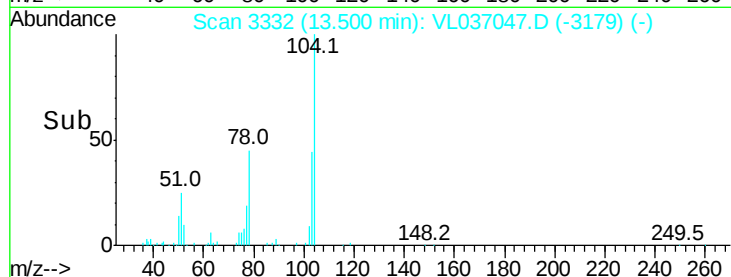
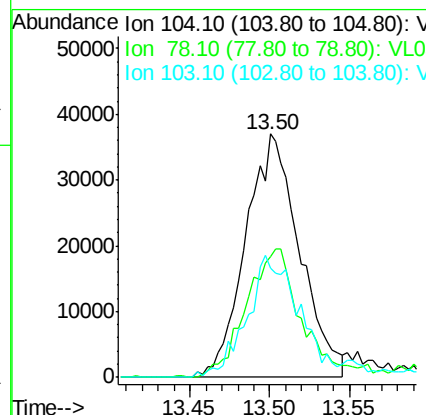
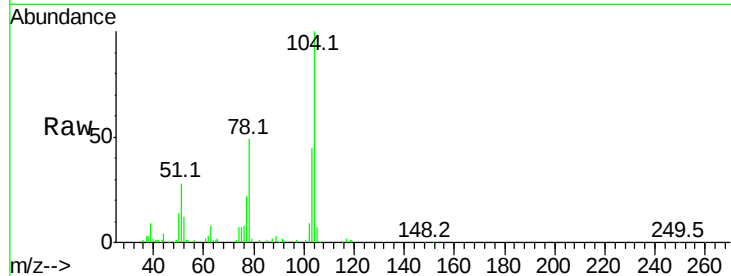
#61
Styrene
Concen: 0.409 ppbv
RT: 13.50 min Scan# 3332
Delta R.T. -0.01 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	85590		
78	56.4	39.0	58.6	
103	53.5	38.0	57.0	

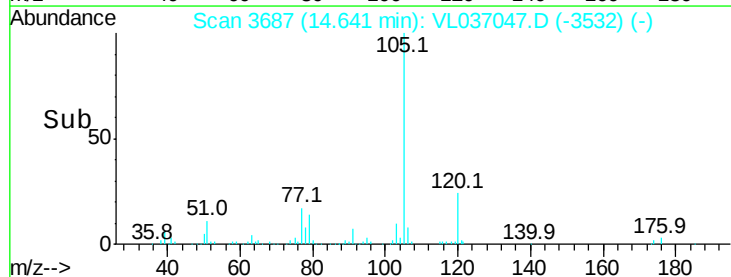
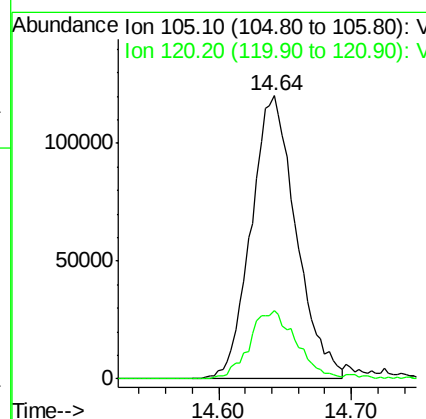
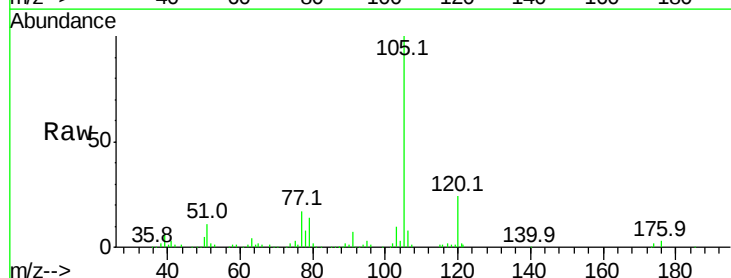
Manual Integrations
APPROVED

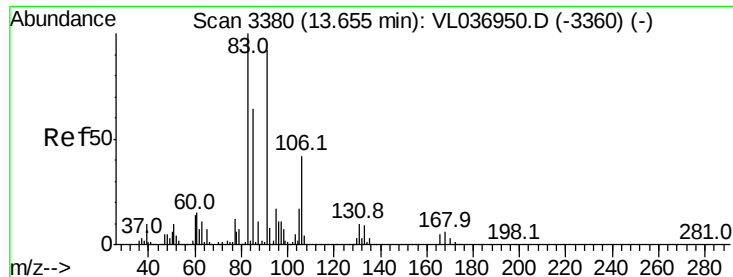
MMDadoda
5/25/2021 6:00:27 PM



#62
Isopropylbenzene
Concen: 0.532 ppbv
RT: 14.64 min Scan# 3687
Delta R.T. -0.00 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	284283		
120	26.3	21.7	32.5	





#63

1,1,2,2-Tetrachloroethane

Concen: 0.458 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

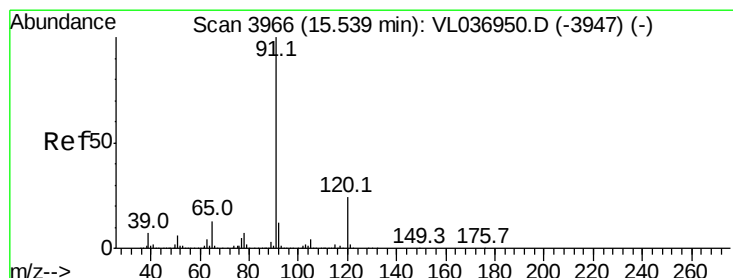
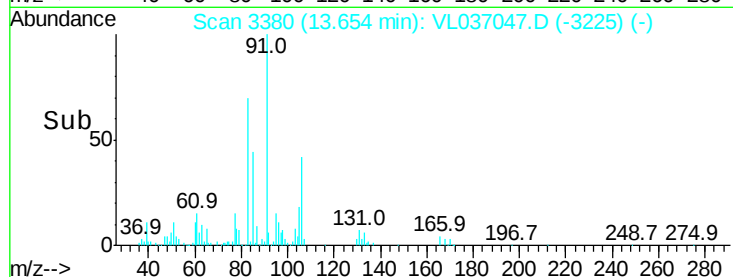
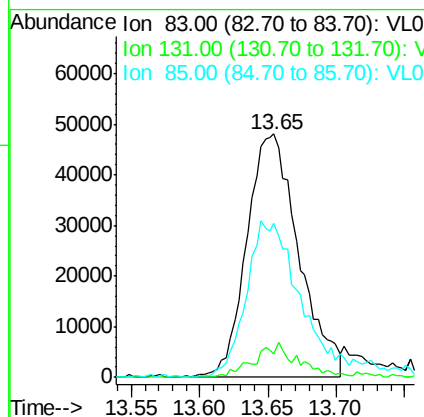
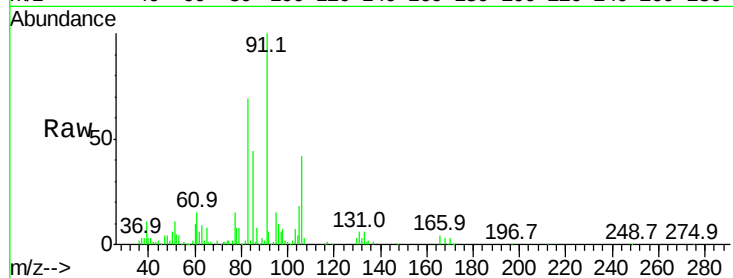
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion:	83	Resp:	127144
Ion Ratio	Lower	Upper	
83	100		
131	12.8	5.0	15.0
85	73.7	32.9	98.6

Manual Integrations
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#64

n-propylbenzene

Concen: 0.457 ppbv

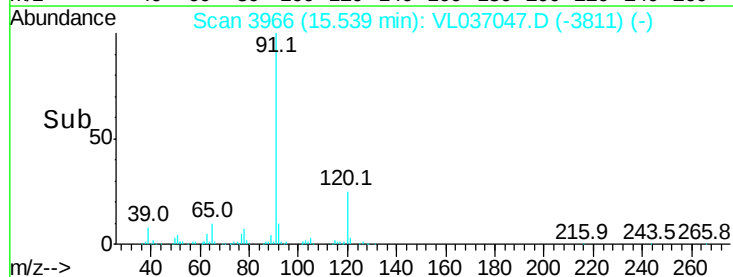
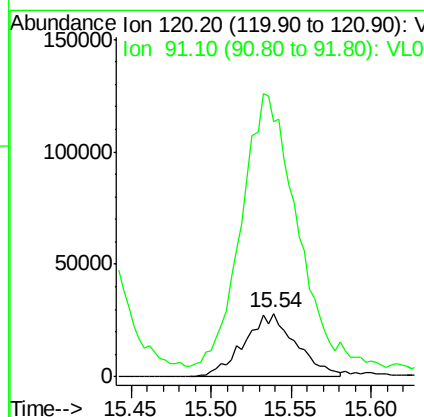
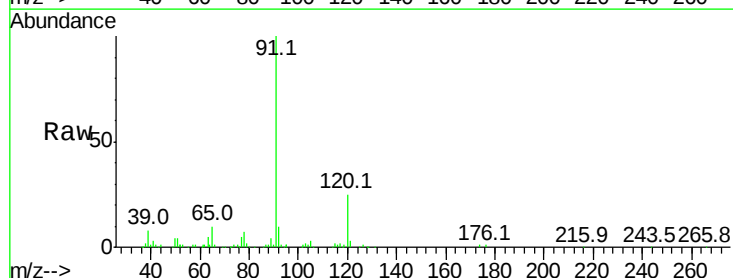
RT: 15.54 min Scan# 3966

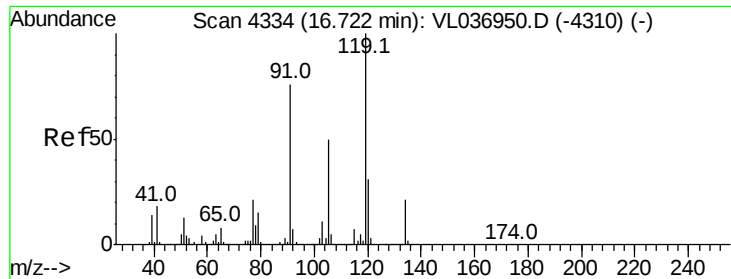
Delta R.T. -0.00 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Tgt Ion:	120	Resp:	62990
Ion Ratio	Lower	Upper	
120	100		
91	523.3	343.8	515.6#





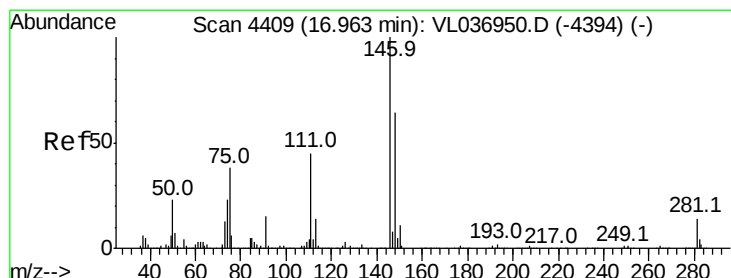
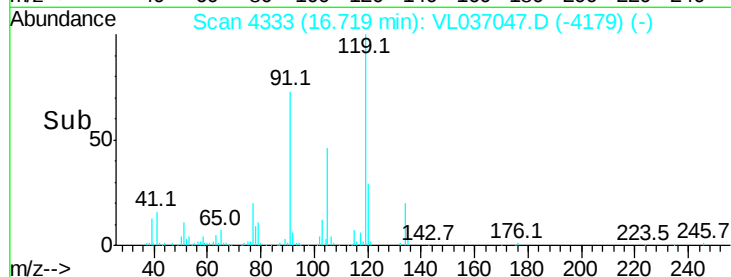
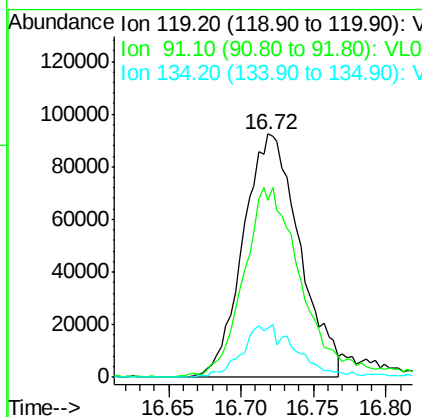
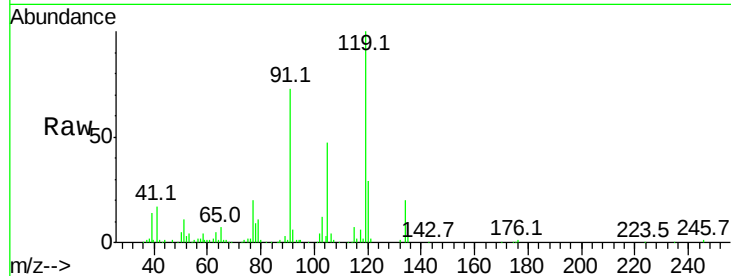
#65
 tert-Butylbenzene
 Concen: 0.518 ppbv
 RT: 16.72 min Scan# 4333
 Delta R.T. -0.00 min
 Lab File: VL037047.D
 Acq: 24 May 2021 14:19

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	249939		
91	83.3	61.9	92.9	
134	21.3	16.2	24.4	

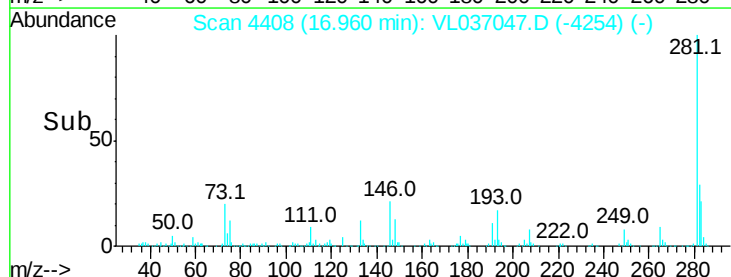
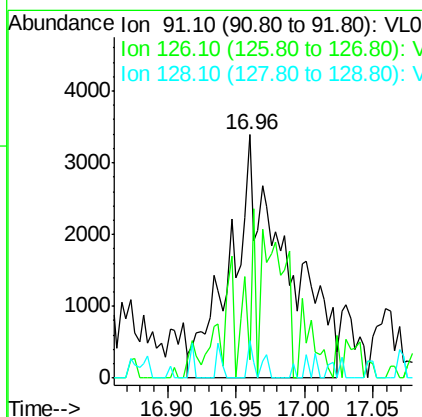
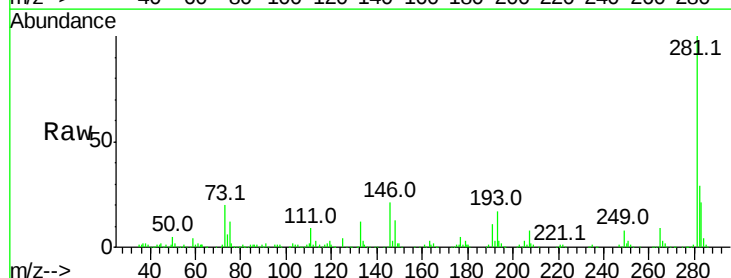
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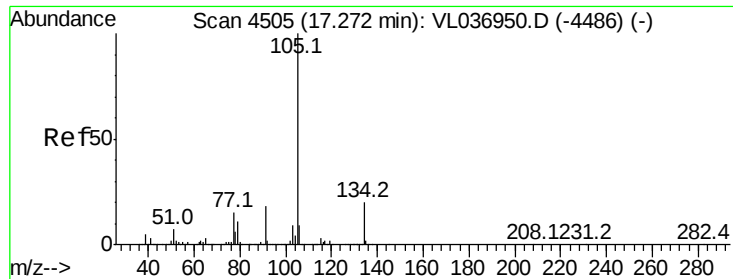
MMDadoda
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#66
 Benzyl Chloride
 Concen: 0.354 ppbv m
 RT: 16.96 min Scan# 4408
 Delta R.T. -0.00 min
 Lab File: VL037047.D
 Acq: 24 May 2021 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	9475		
126	0.0	16.5	24.7#	
128	2.3	5.5	8.3#	





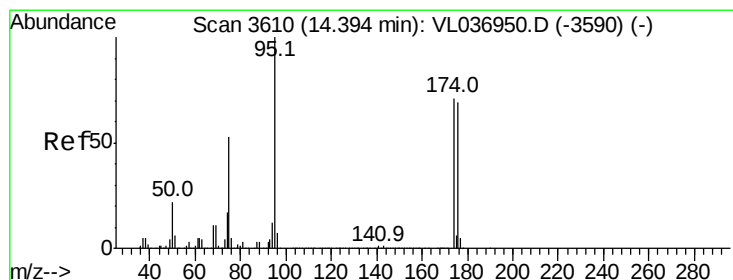
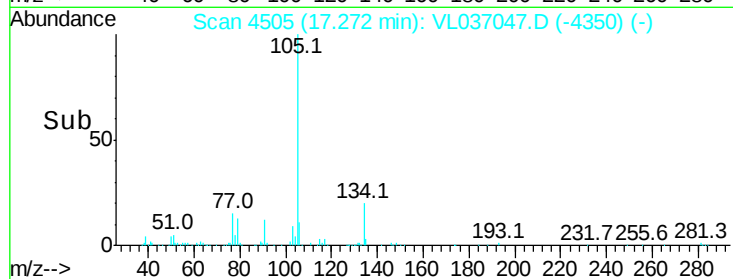
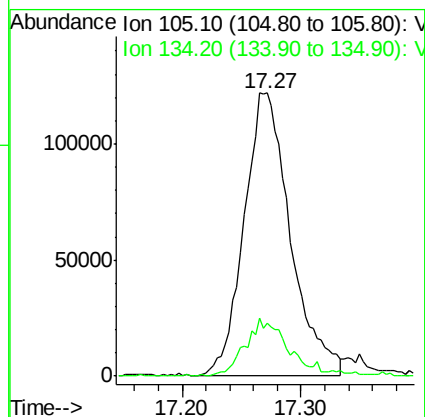
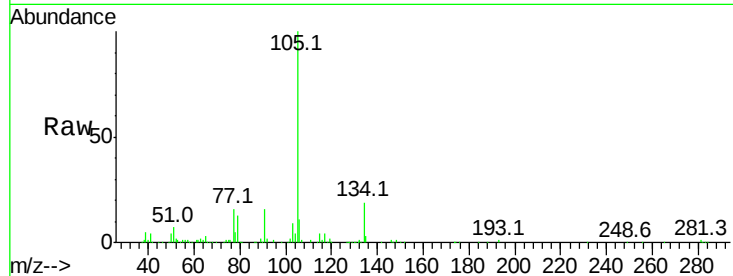
#67
 sec-Butylbenzene
 Concen: 0.497 ppbv
 RT: 17.27 min Scan# 4505
 Delta R.T. -0.00 min
 Lab File: VL037047.D
 Acq: 24 May 2021 14:19

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.1	15.6	23.4

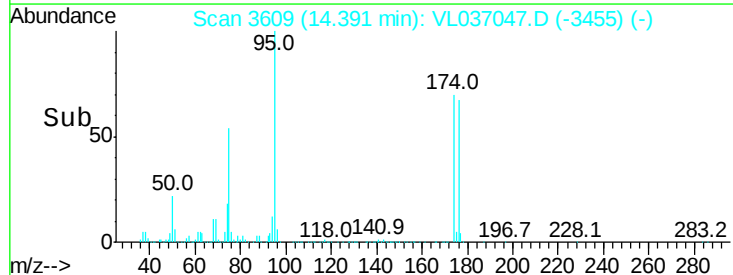
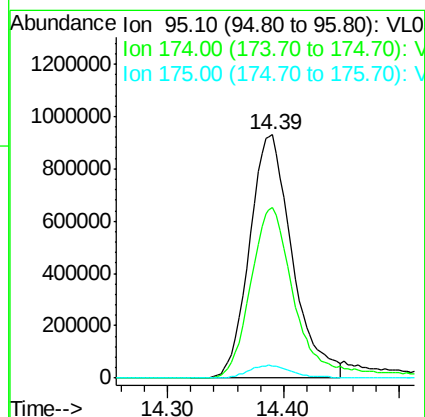
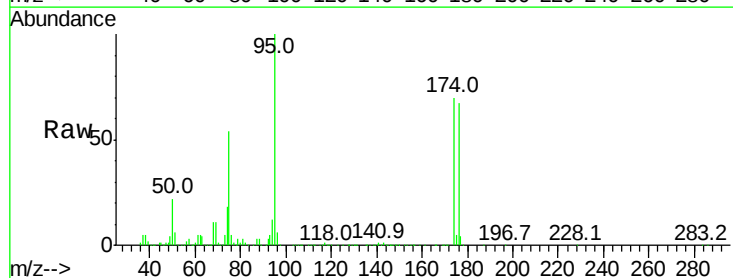
Manual Integrations
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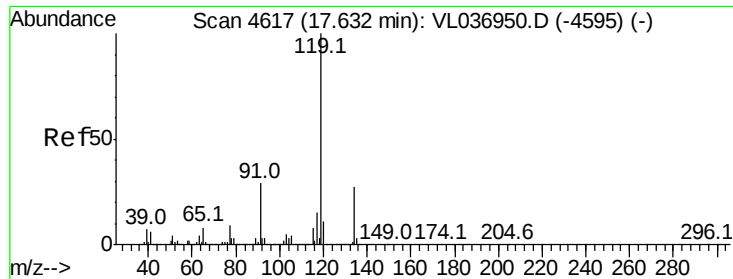
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 5/25/2021 6:00:27 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.481 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL037047.D
 Acq: 24 May 2021 14:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.3	58.4	87.6
175	5.5	4.4	6.6





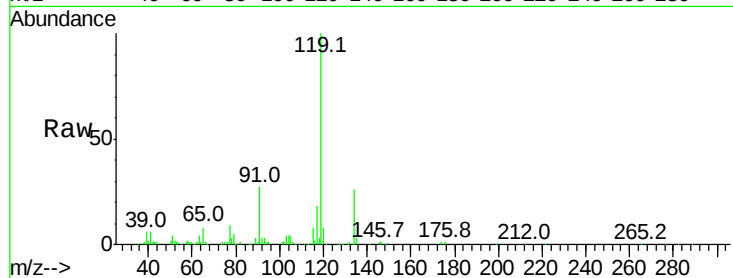
#69
p-Isopropyltoluene
Concen: 0.452 ppbv
RT: 17.63 min Scan# 4616
Delta R.T. -0.00 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

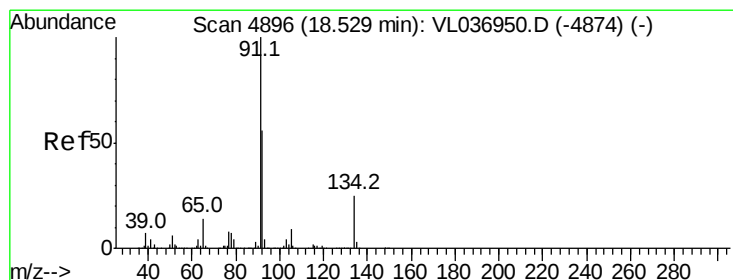
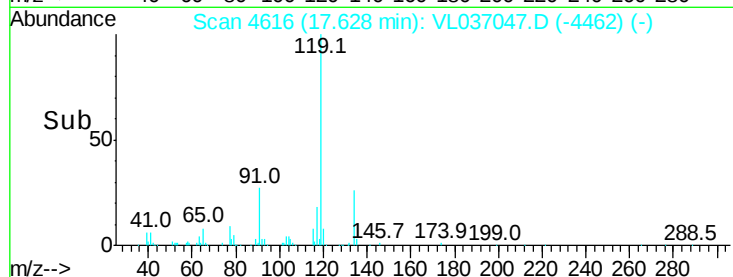
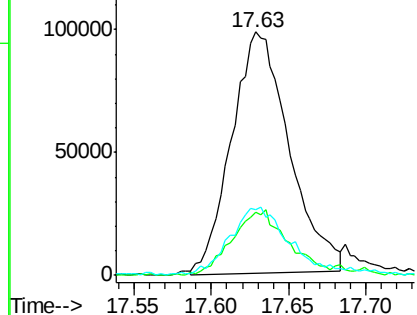
Tgt Ion	Ratio	Resp	Lower	Upper
119	100	255826		
134	28.2	21.2	31.8	
91	29.0	22.2	33.4	

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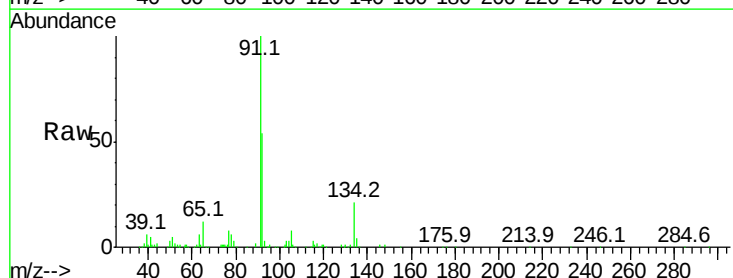


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

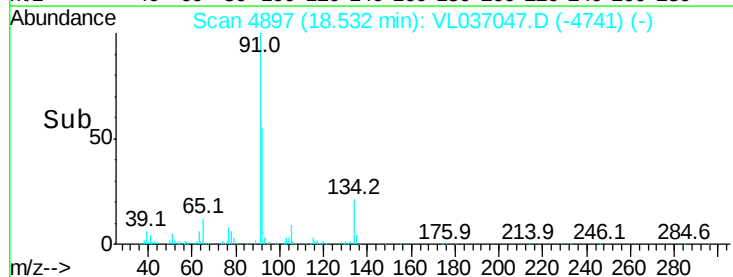
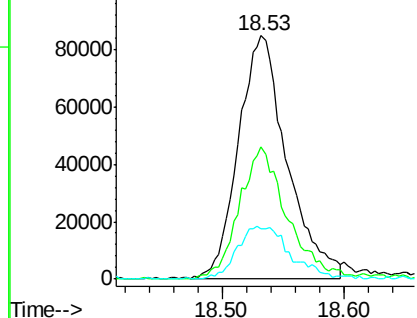


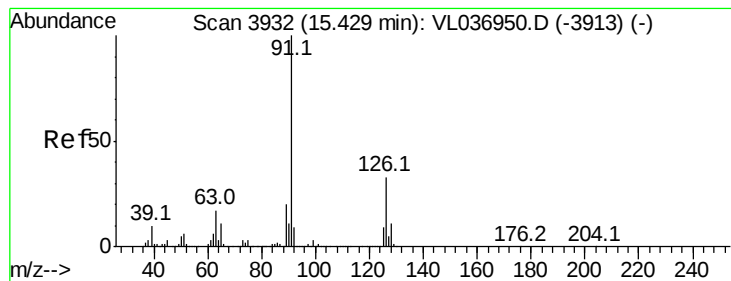
#70
n-Butylbenzene
Concen: 0.431 ppbv
RT: 18.53 min Scan# 4897
Delta R.T. 0.00 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	231868		
92	55.1	44.6	66.8	
134	24.3	20.2	30.2	



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





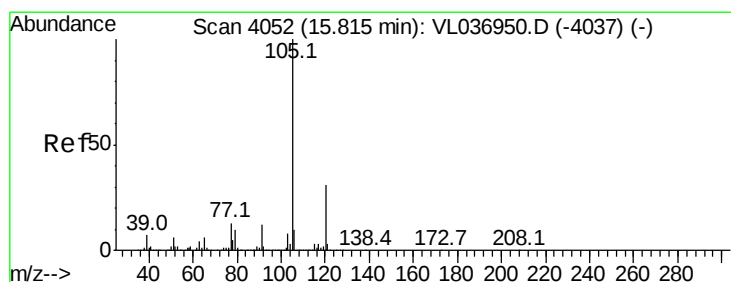
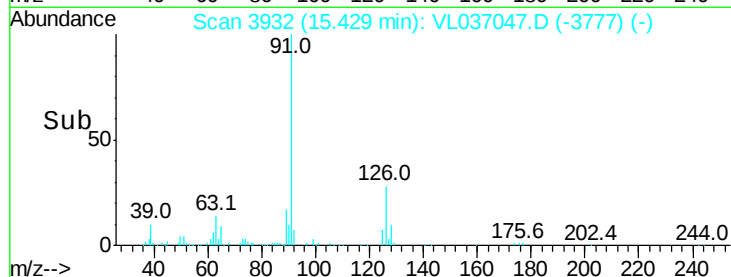
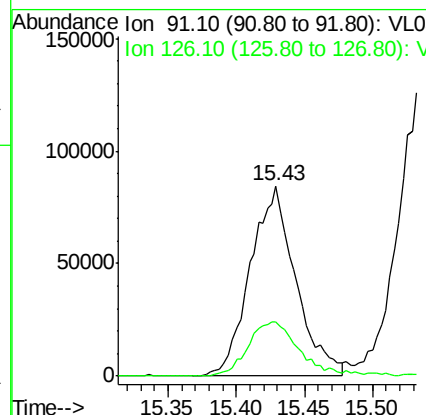
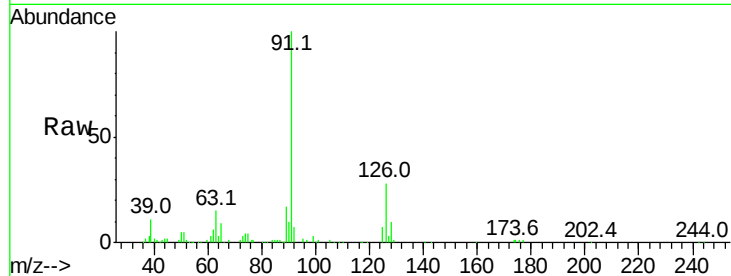
#71
 2-Chlorotoluene
 Concen: 0.506 ppbv
 RT: 15.43 min Scan# 3932
 Delta R.T. -0.00 min
 Lab File: VL037047.D
 Acq: 24 May 2021 14:19

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 91 Resp: 195394
 Ion Ratio Lower Upper
 91 100
 126 32.8 13.1 52.5

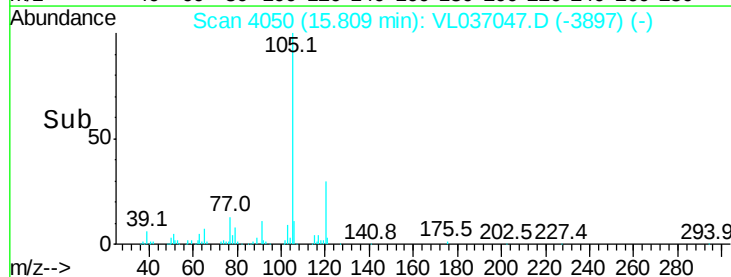
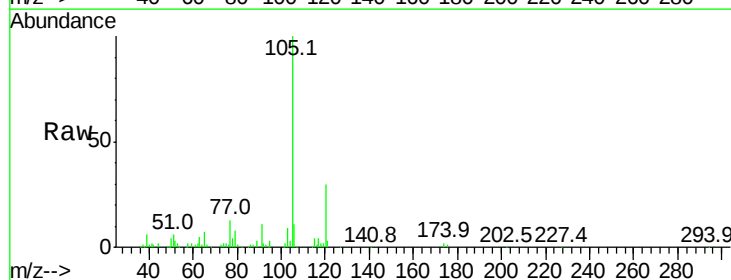
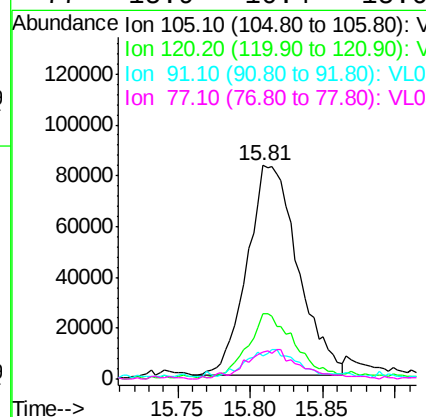
Manual Integrations
 APPROVED

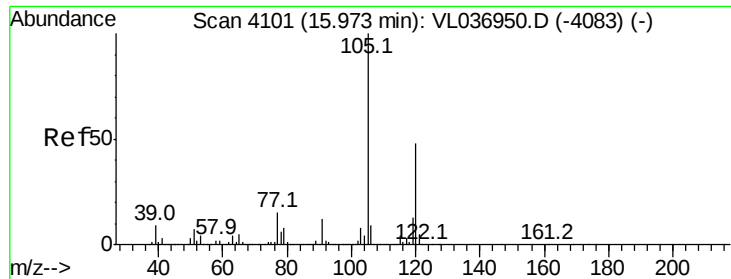
MMDadoda
 5/25/2021 6:00:27 PM



#72
 4-Ethyltoluene
 Concen: 0.454 ppbv
 RT: 15.81 min Scan# 4050
 Delta R.T. -0.01 min
 Lab File: VL037047.D
 Acq: 24 May 2021 14:19

Tgt Ion: 105 Resp: 200342
 Ion Ratio Lower Upper
 105 100
 120 30.2 24.6 37.0
 91 14.9 9.8 14.6#
 77 15.9 10.4 15.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.526 ppbv m

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion:105 Resp: 217847

Ion Ratio Lower Upper

105 100

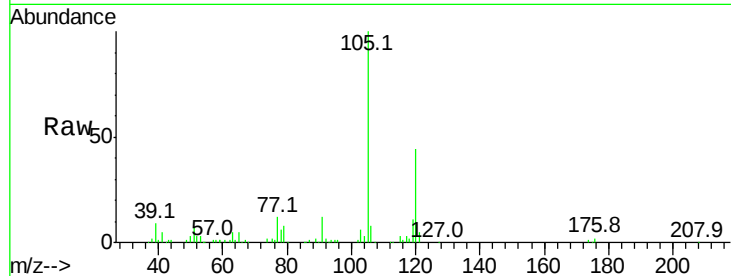
120 44.1 38.6 58.0

Manual Integrations

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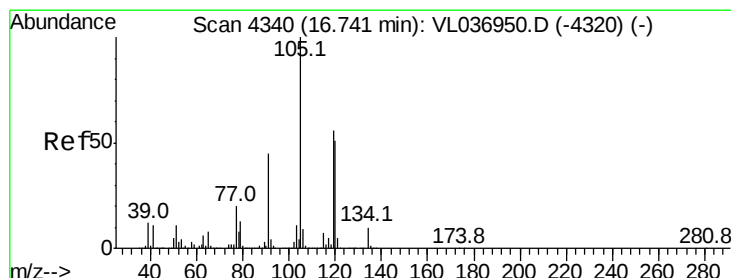
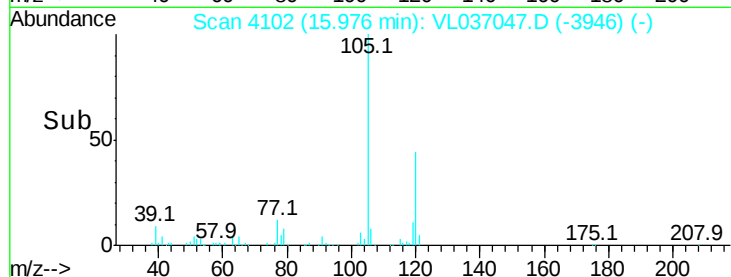
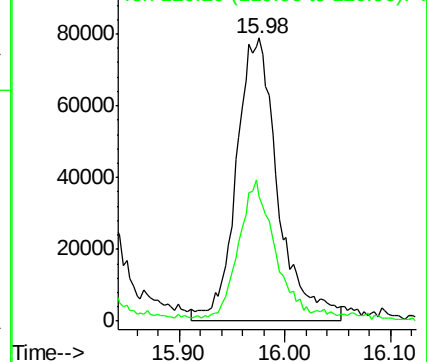
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.473 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.00 min

Lab File: VL037047.D

Acq: 24 May 2021 14:19

Tgt Ion:105 Resp: 202893

Ion Ratio Lower Upper

105 100

120 48.7 40.6 61.0

91 51.8 37.4 56.0

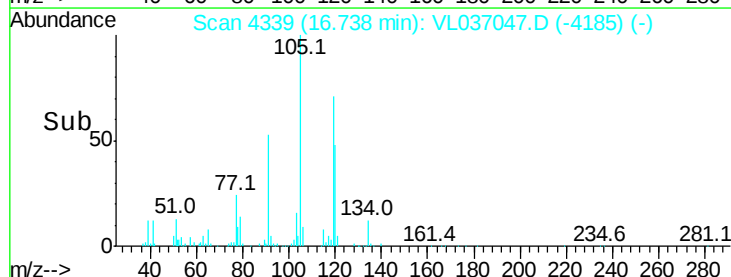
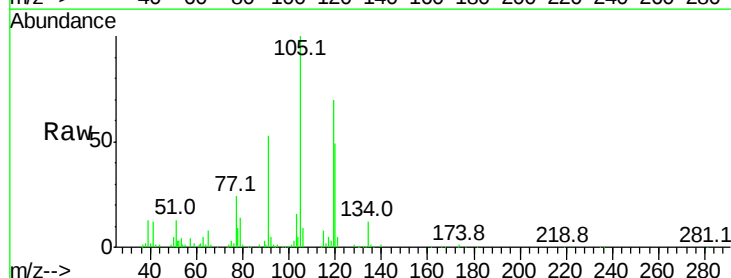
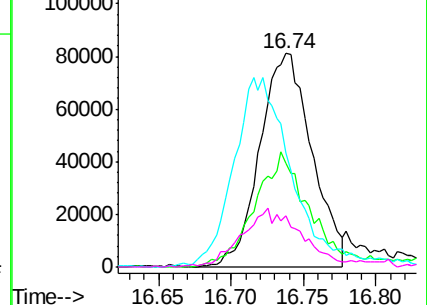
77 23.2 16.2 24.4

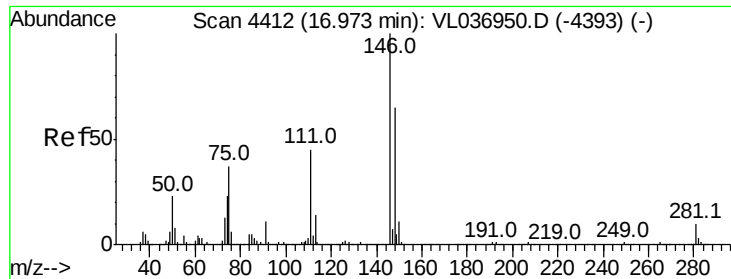
Abundance Ion 105.10 (104.80 to 105.80): V

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





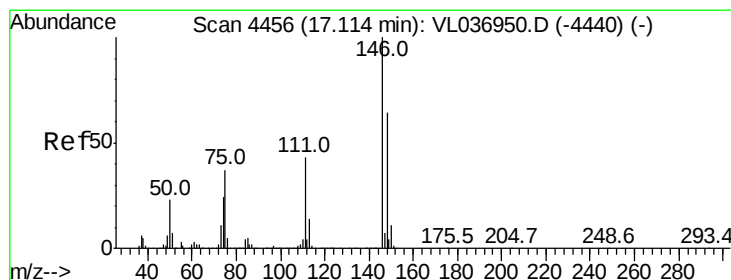
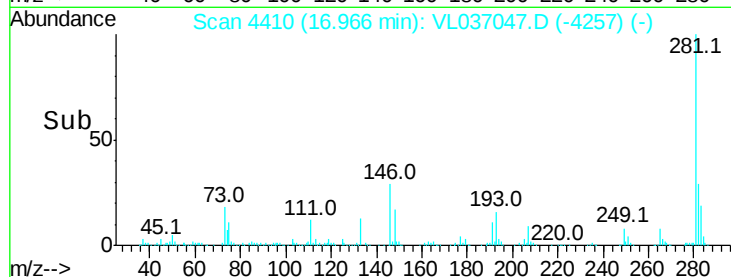
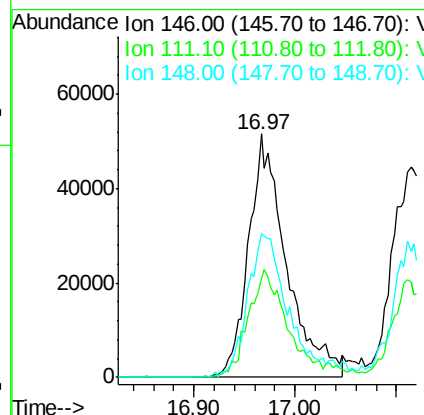
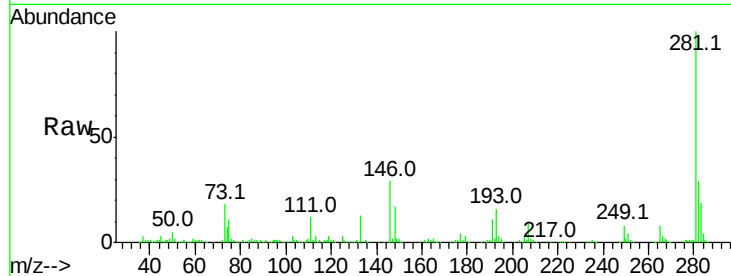
#75
 1,3-Dichlorobenzene
 Concen: 0.510 ppbv m
 RT: 16.97 min Scan# 4410
 Delta R.T. -0.01 min
 Lab File: VL037047.D
 Acq: 24 May 2021 14:19

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	133576		
111	0.0	22.2	66.6	#
148	64.7	32.3	96.8	

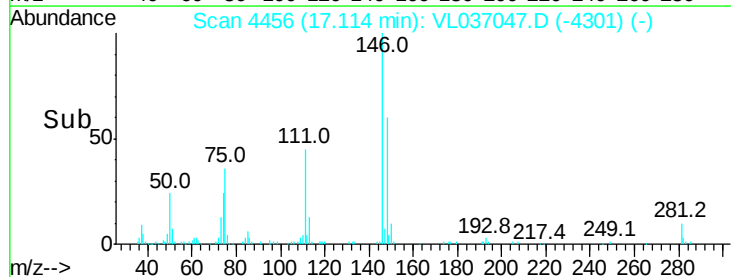
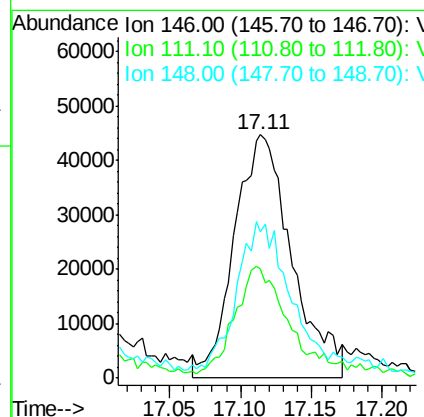
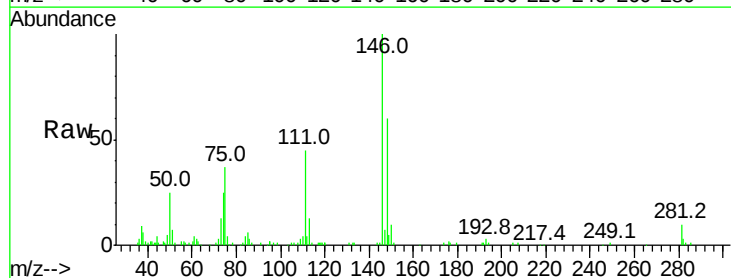
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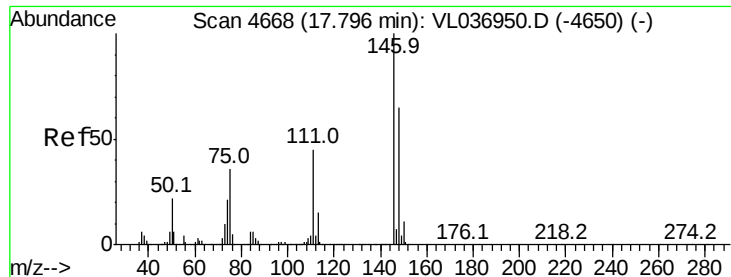
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#76
 1,4-Dichlorobenzene
 Concen: 0.478 ppbv m
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.00 min
 Lab File: VL037047.D
 Acq: 24 May 2021 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	126468		
111	44.0	22.6	67.7	
148	68.8	33.5	100.5	





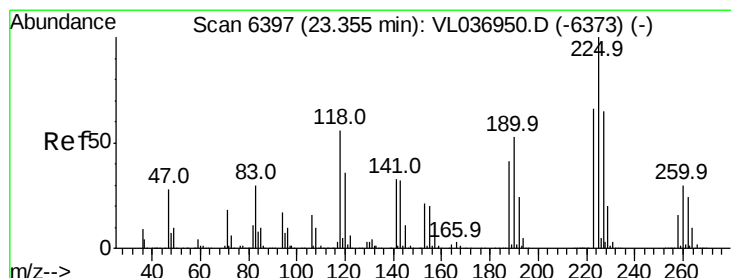
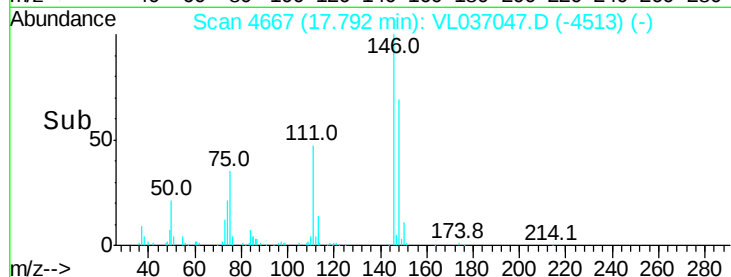
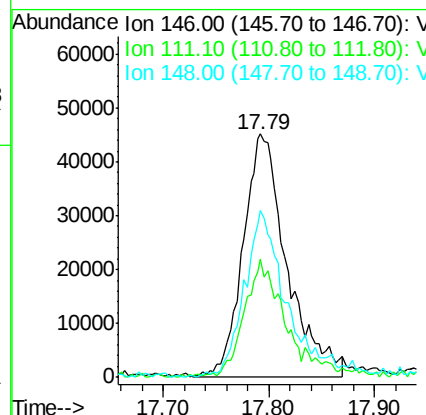
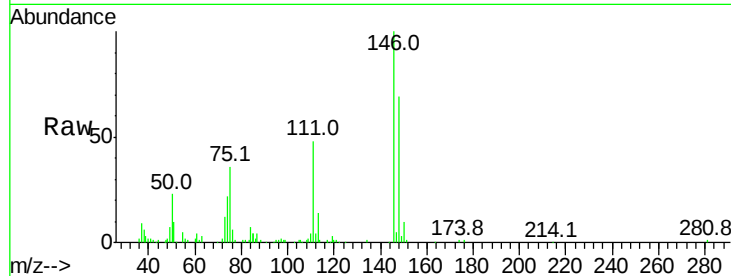
#77
 1,2-Dichlorobenzene
 Concen: 0.500 ppbv m
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.00 min
 Lab File: VL037047.D
 Acq: 24 May 2021 14:19

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	131237		
111	47.8	23.1	69.2	
148	67.5	32.5	97.4	

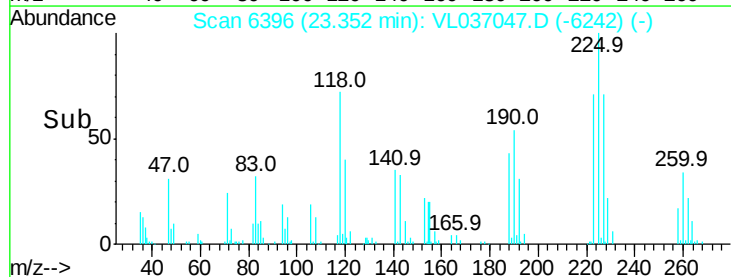
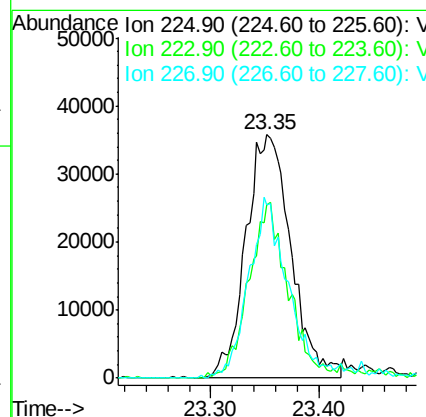
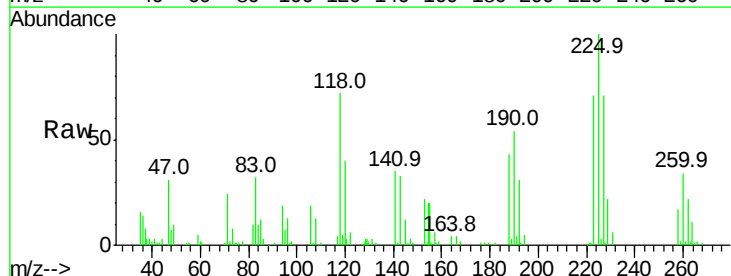
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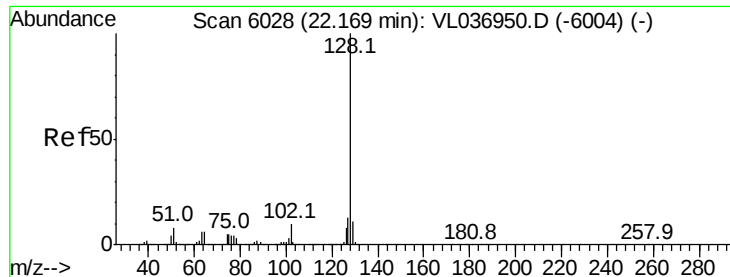
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.489 ppbv m
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.00 min
 Lab File: VL037047.D
 Acq: 24 May 2021 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	103044		
223	0.0	51.9	77.9#	
227	0.0	51.8	77.6#	





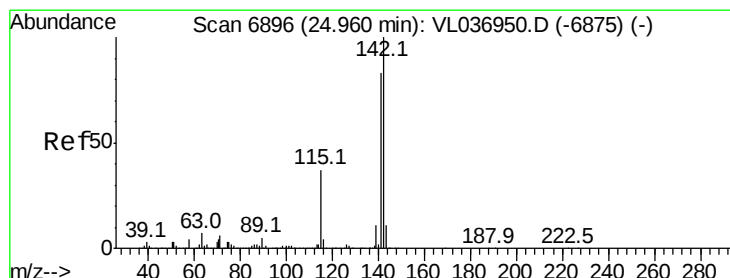
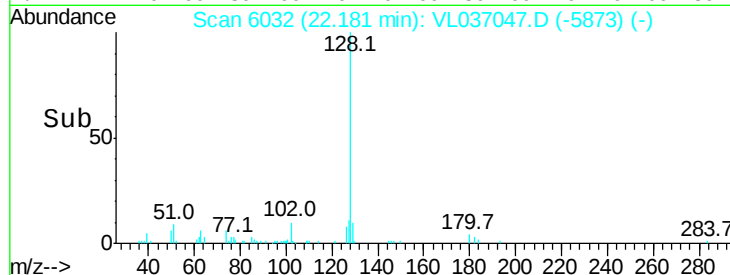
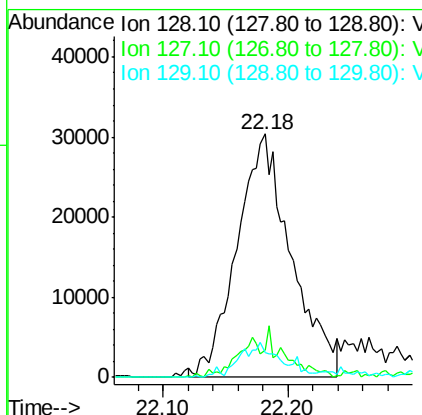
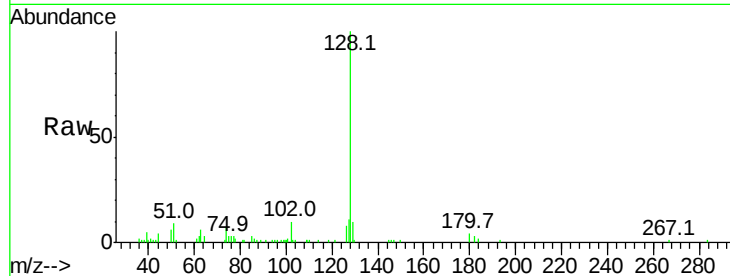
#79
Naphthalene
Concen: 0.271 ppbv m
RT: 22.18 min Scan# 6032
Delta R.T. 0.01 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.4	15.6
129	10.0	9.0	13.6

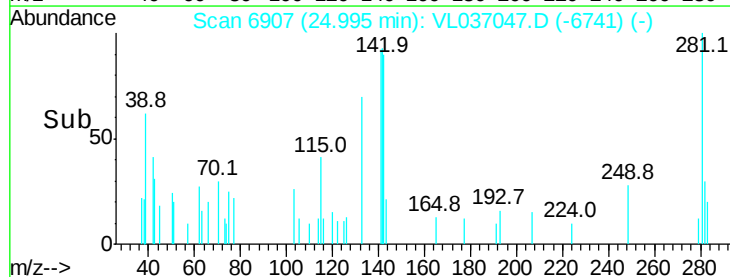
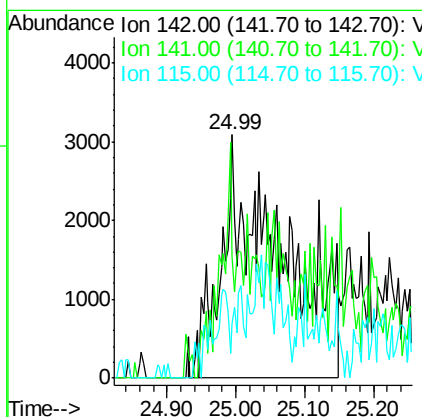
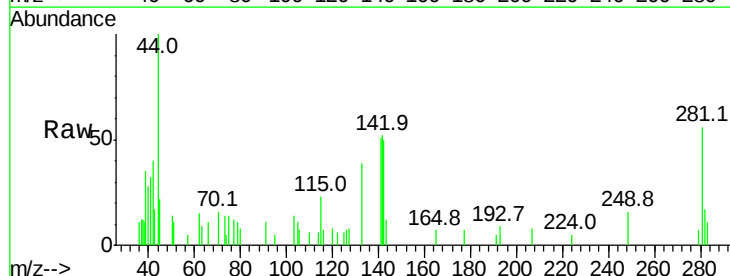
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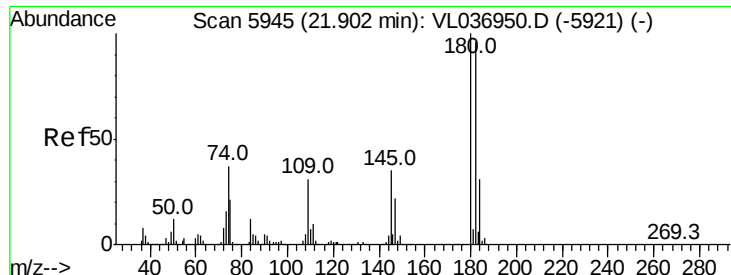
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#80
Naphthalene, 2-methyl-
Concen: 0.251 ppbv m
RT: 24.99 min Scan# 6907
Delta R.T. 0.04 min
Lab File: VL037047.D
Acq: 24 May 2021 14:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	42.7	69.3	103.9#
115	16.4	29.1	43.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.330 ppbv m
 RT: 21.91 min Scan# 5948
 Delta R.T. 0.01 min
 Lab File: VL037047.D
 Acq: 24 May 2021 14:19

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.4	81.7	122.5
184	0.0	24.9	37.3#

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