

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036962.D
 Acq On : 18 May 2021 10:47
 Operator : SY/AP
 Sample : M2262-14 0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2021

Manual Integrations
 APPROVED

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 5/20/2021 5:54:50 PM

Quant Time: May 19 13:02:19 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
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1260223	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3665804	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3512073	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2624865	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	140745	0.658	ppbv	98
3) Chlorodifluoromethane	2.97	51	133029	0.576	ppbv	97
4) Chloromethane	3.12	50	42914	0.546	ppbv	95
5) Vinyl Chloride	3.24	62	43245	0.504	ppbv	100
6) Bromomethane	3.46	94	25301m	0.559	ppbv	
7) Chloroethane	3.54	64	16493m	0.591	ppbv	
8) Dichlorotetrafluoroethane	3.17	85	111609	0.556	ppbv	93
9) Propene	2.99	41	50193	0.607	ppbv	99
10) Heptane	8.10	43	109232	0.530	ppbv	100
11) Trichlorofluoromethane	3.93	101	111285	0.562	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	75868	0.538	ppbv	98
13) Ethanol	3.63	45	6385m	0.579	ppbv	
14) Bromoethene	3.72	108	29624	0.477	ppbv #	83
15) Acetone	3.86	43	78127m	0.605	ppbv	
16) 1,3-Butadiene	3.31	39	41319	0.515	ppbv	97
17) tert-Butyl alcohol	4.31	59	71153m	0.602	ppbv	
18) 1,1-Dichloroethene	4.27	96	35402	0.543	ppbv	90
19) Isopropyl Alcohol	3.99	45	44997m	0.648	ppbv	
20) Methylene Chloride	4.32	84	41766	0.604	ppbv #	91
21) Allyl Chloride	4.39	41	47153	0.484	ppbv	92
22) trans-1,2-Dichloroethene	4.87	96	32078	0.514	ppbv #	82
23) Vinyl Acetate	5.06	43	86074	0.420	ppbv #	96
24) 1,1-Dichloroethane	4.99	63	74329	0.504	ppbv #	98
25) Ethyl Acetate	5.67	43	159214	0.513	ppbv #	96
26) Hexane	5.66	57	89192	0.563	ppbv	95
27) Carbon Disulfide	4.53	76	74075	0.464	ppbv #	90
28) Methyl tert-Butyl Ether	5.03	73	98825	0.520	ppbv	98
29) Chloroform	5.73	83	125957	0.563	ppbv	99
30) Cyclohexane	7.10	84	72744	0.540	ppbv	91
31) cis-1,2-Dichloroethene	5.53	61	74896m	0.527	ppbv	
32) 1,1,1-Trichloroethane	6.48	97	122976m	0.512	ppbv	
34) 2-Butanone	5.24	43	85572m	0.641	ppbv	
35) Carbon Tetrachloride	6.99	117	119900	0.492	ppbv	98
36) Benzene	6.86	78	175289	0.555	ppbv	96
37) 1,2-Dichloroethane	6.29	62	80178	0.512	ppbv	97
38) Trichloroethene	7.81	130	70450	0.522	ppbv	89
39) 1,2-Dichloropropane	7.59	63	68627m	0.564	ppbv	
40) 1,4-Dioxane	7.86	88	17585m	0.612	ppbv	
41) Tetrahydrofuran	6.06	42	40013m	0.526	ppbv	
42) Bromodichloromethane	7.76	83	114813	0.485	ppbv #	95
43) Methyl Methacrylate	8.00	69	49092	0.451	ppbv	90

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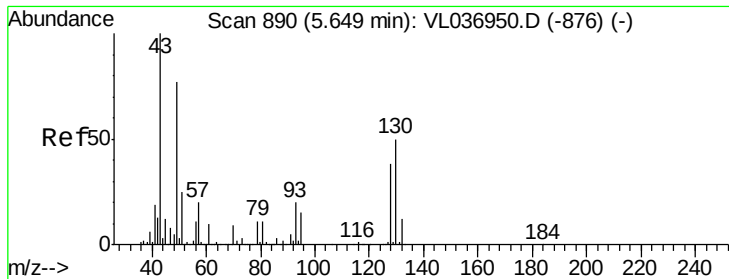
Manual Integrations
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Quant Time: May 19 13:02:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	303355	0.560	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	31507m	0.379	ppbv	
46) cis-1,3-Dichloropropene	8.68	75	48054	0.430	ppbv	97
47) 1,1,2-Trichloroethane	9.45	97	68258	0.536	ppbv	96
48) Dibromochloromethane	10.28	129	95199	0.462	ppbv	96
49) Bromoform	13.01	173	67668	0.397	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	101080	0.459	ppbv	88
51) 2-Hexanone	10.15	43	57030m	0.490	ppbv	
52) Tetrachloroethene	11.19	164	72458m	0.577	ppbv	
53) Toluene	9.78	91	198828	0.529	ppbv	98
54) 1,2-Dibromoethane	10.59	107	96691m	0.534	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.09	131	67707	0.458	ppbv #	23
57) Chlorobenzene	12.12	112	150986	0.554	ppbv	97
58) Ethyl Benzene	12.68	91	255480	0.515	ppbv	97
59) m/p-Xylene	12.97	91	452541m	1.104	ppbv	
60) o-Xylene	13.66	91	221896	0.568	ppbv	100
61) Styrene	13.50	104	107921m	0.490	ppbv	
62) Isopropylbenzene	14.64	105	303709	0.541	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.64	83	140814m	0.482	ppbv	
64) n-propylbenzene	15.53	120	78184m	0.540	ppbv	
65) tert-Butylbenzene	16.72	119	290523	0.573	ppbv	98
66) Benzyl Chloride	16.96	91	11180m	0.398	ppbv	
67) sec-Butylbenzene	17.26	105	377671	0.546	ppbv	100
69) p-Isopropyltoluene	17.63	119	326605	0.549	ppbv	99
70) n-Butylbenzene	18.53	91	292900m	0.519	ppbv	
71) 2-Chlorotoluene	15.42	91	219167	0.540	ppbv	99
72) 4-Ethyltoluene	15.81	105	231409	0.499	ppbv	95
73) 1,3,5-Trimethylbenzene	15.97	105	224414	0.515	ppbv	94
74) 1,2,4-Trimethylbenzene	16.73	105	248823	0.553	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	136818	0.498	ppbv	91
76) 1,4-Dichlorobenzene	17.11	146	156279m	0.562	ppbv	
77) 1,2-Dichlorobenzene	17.79	146	140653	0.510	ppbv	95
78) Hexachloro-1,3-Butadiene	23.36	225	129981m	0.587	ppbv	
79) Naphthalene	22.18	128	157127m	0.445	ppbv	
80) Naphthalene, 2-methyl-	25.05	142	26714m	0.348	ppbv	
81) 1,2,4-Trichlorobenzene	21.90	180	102955m	0.478	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: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion: 49 Resp: 1260223

Ion Ratio Lower Upper

49 100

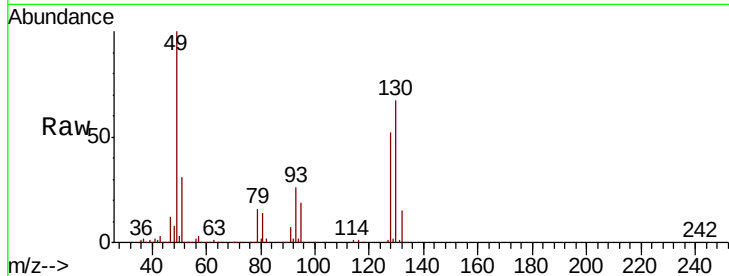
128 55.5 26.9 80.7

130 70.6 33.8 101.4

Manual Integrations
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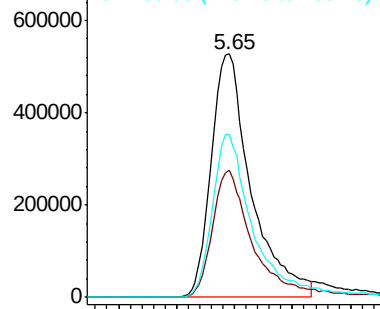
5/20/2021 5:54:50 PM



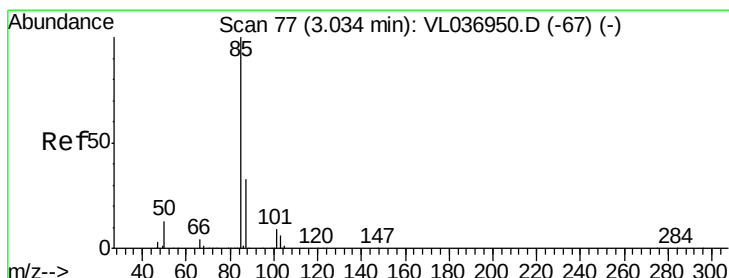
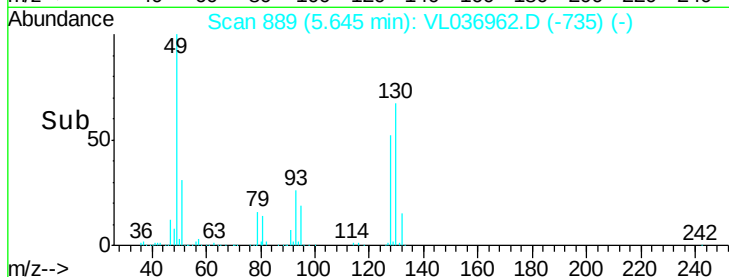
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Time-->



#2

Dichlorodifluoromethane

Concen: 0.658 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL036962.D

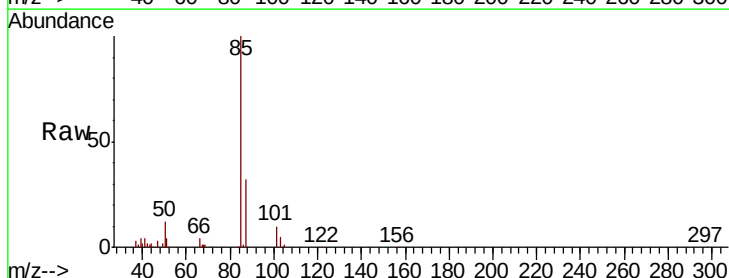
Acq: 18 May 2021 10:47

Tgt Ion: 85 Resp: 140745

Ion Ratio Lower Upper

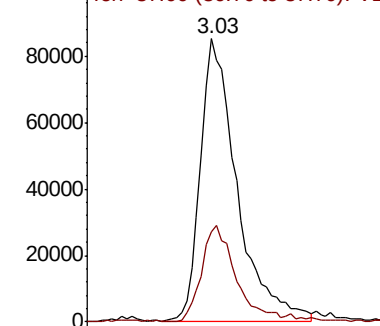
85 100

87 31.8 26.6 39.8

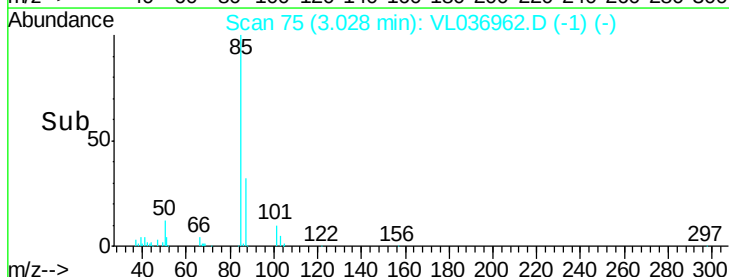


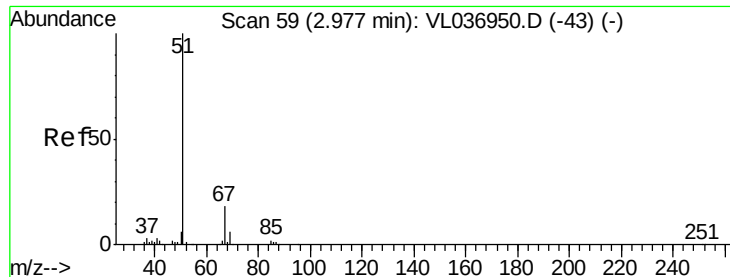
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->





#3

Chlorodifluoromethane

Concen: 0.576 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion: 51 Resp: 133029

Ion Ratio Lower Upper

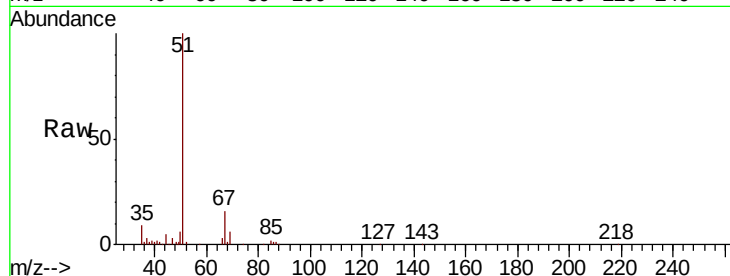
51 100

67 17.0 14.6 21.8

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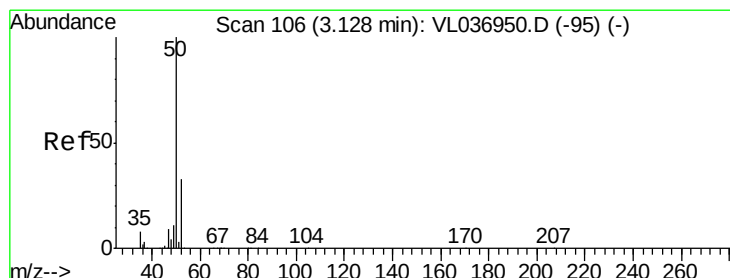
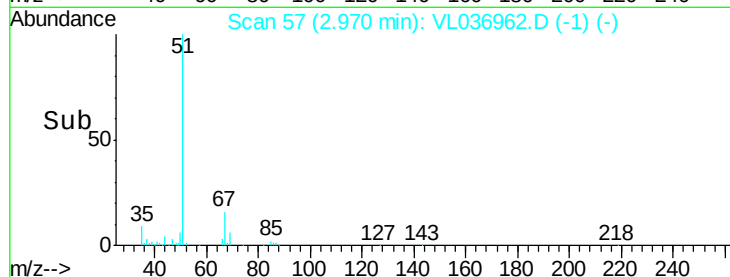
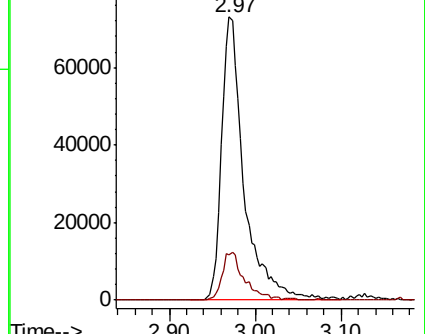
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.546 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL036962.D

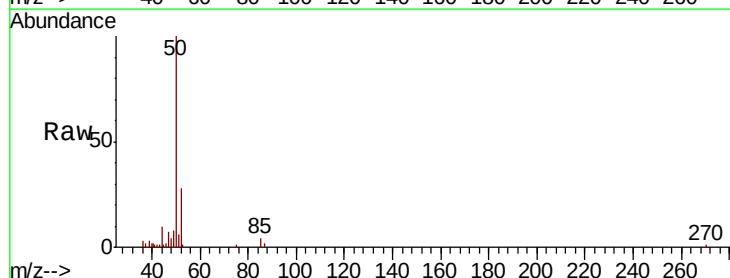
Acq: 18 May 2021 10:47

Tgt Ion: 50 Resp: 42914

Ion Ratio Lower Upper

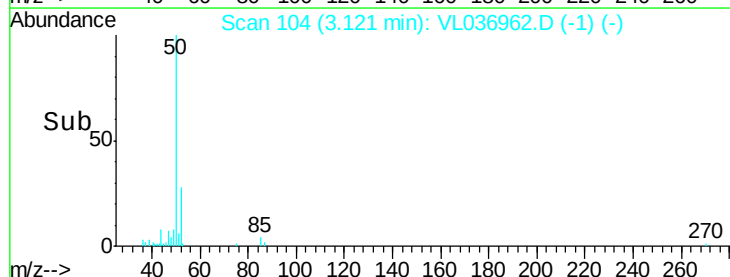
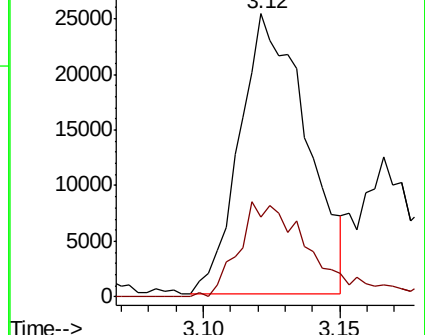
50 100

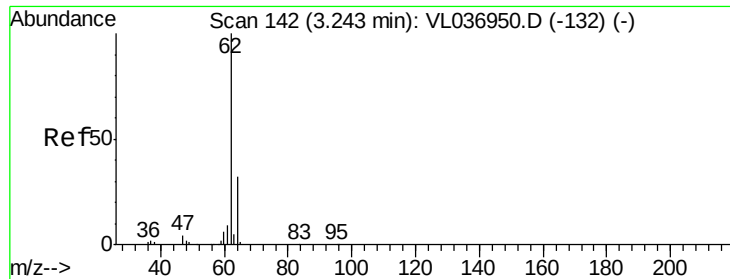
52 29.6 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.504 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion: 62 Resp: 43245

Ion Ratio Lower Upper

62 100

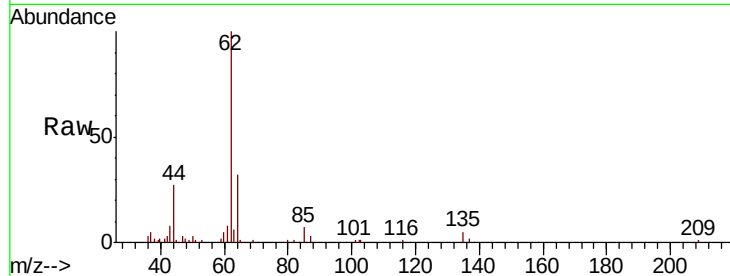
64 32.2 25.9 38.9

Manual Integrations

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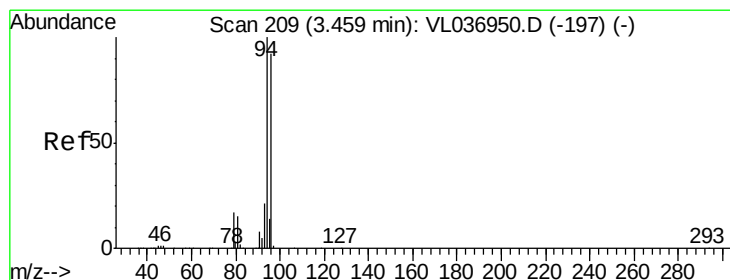
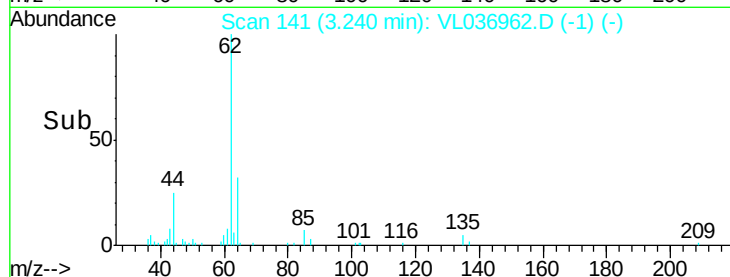
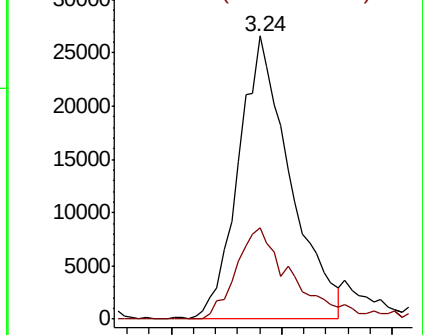
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.559 ppbv m

RT: 3.46 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL036962.D

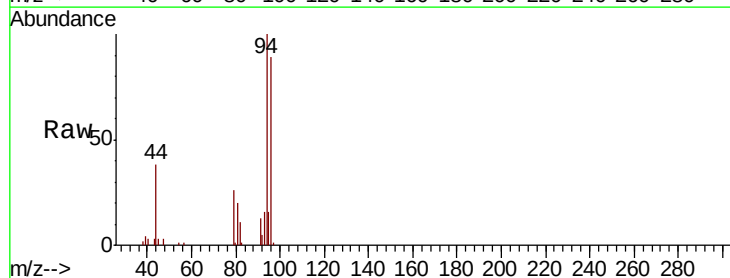
Acq: 18 May 2021 10:47

Tgt Ion: 94 Resp: 25301

Ion Ratio Lower Upper

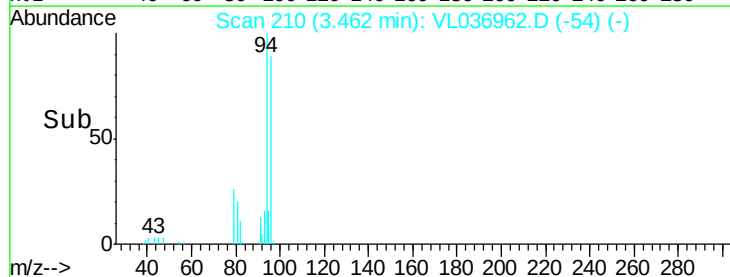
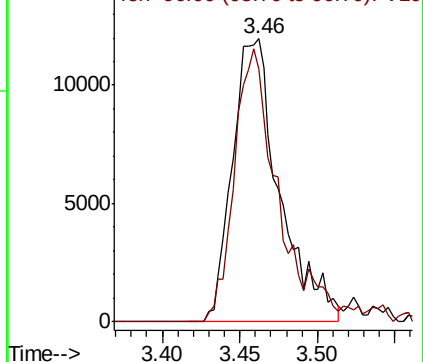
94 100

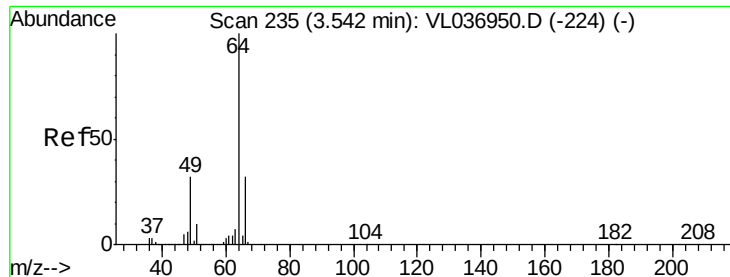
96 89.4 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.591 ppbv m

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion: 64 Resp: 16493

Ion Ratio Lower Upper

64 100

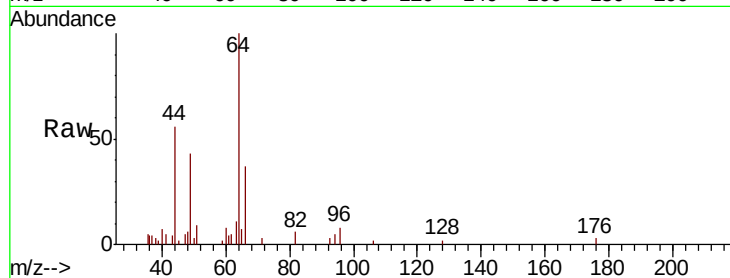
66 36.8 25.4 38.2

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

8000

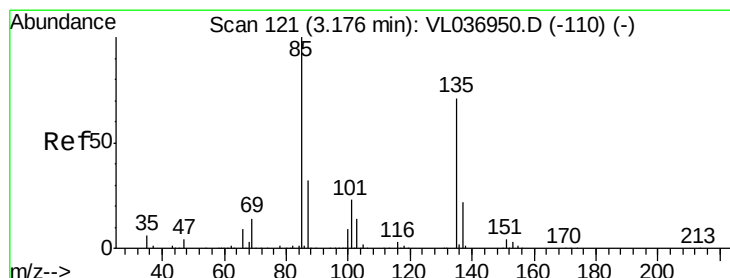
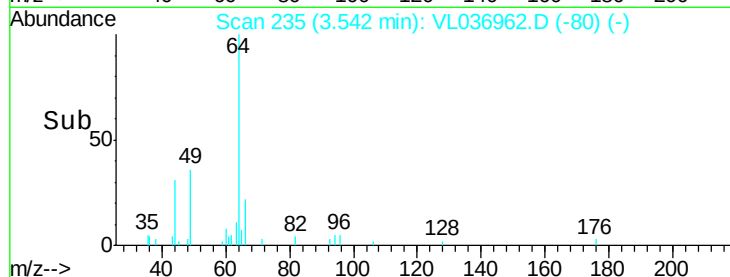
6000

4000

2000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 0.556 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL036962.D

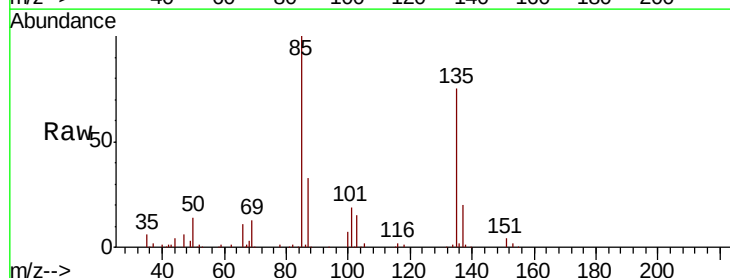
Acq: 18 May 2021 10:47

Tgt Ion: 85 Resp: 111609

Ion Ratio Lower Upper

85 100

135 77.9 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

80000

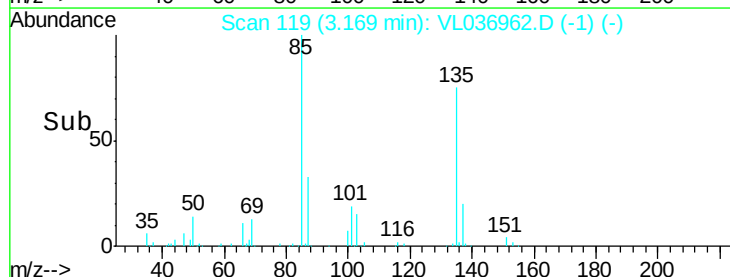
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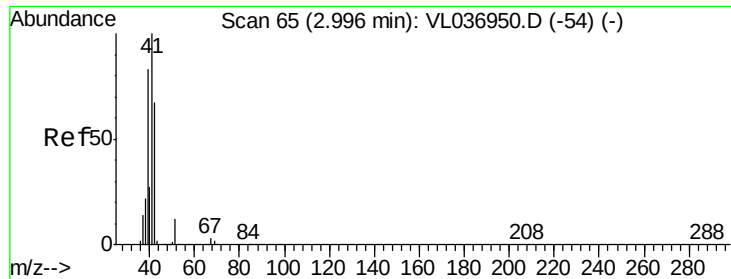
40000

20000

0

Time-->





#9

Propene

Concen: 0.607 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion: 41 Resp: 50193

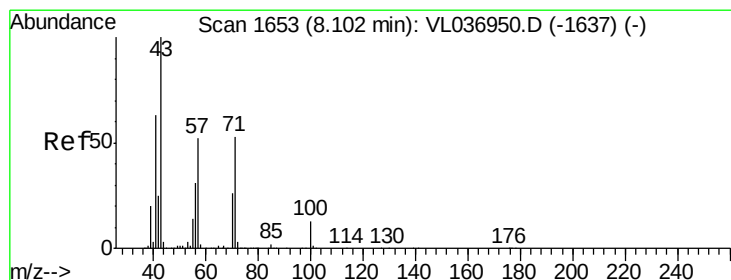
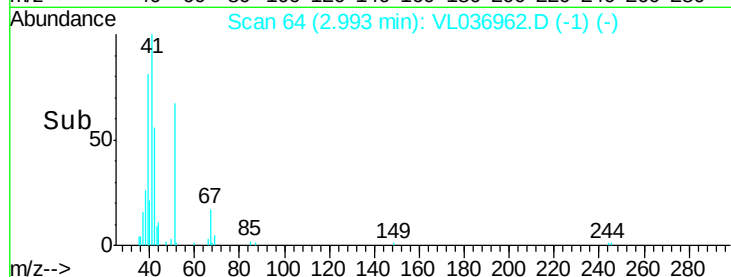
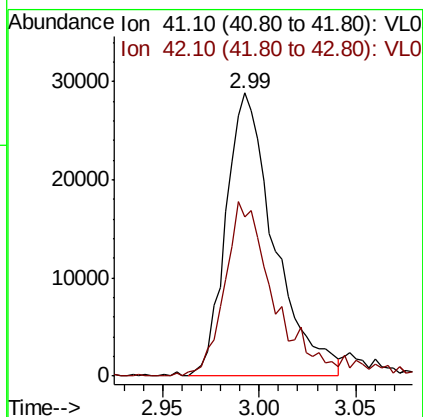
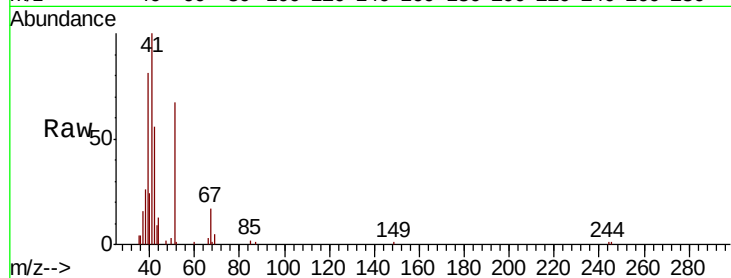
Ion Ratio Lower Upper

41 100

42 66.3 53.9 80.9

Manual Integrations
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#10

Heptane

Concen: 0.530 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL036962.D

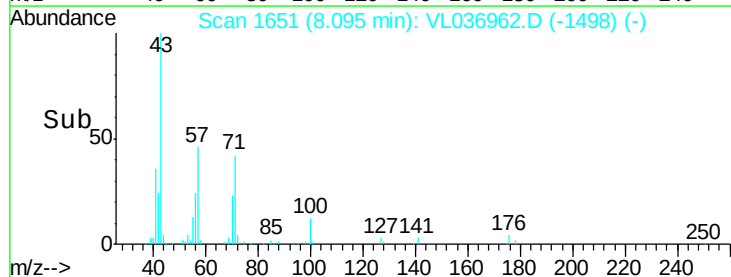
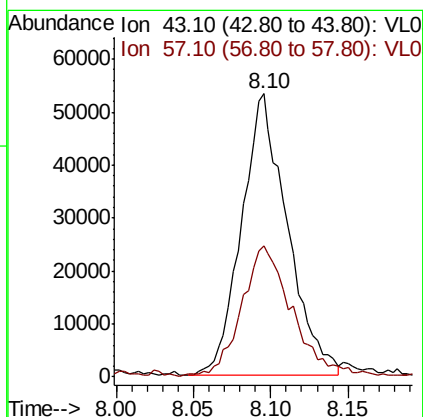
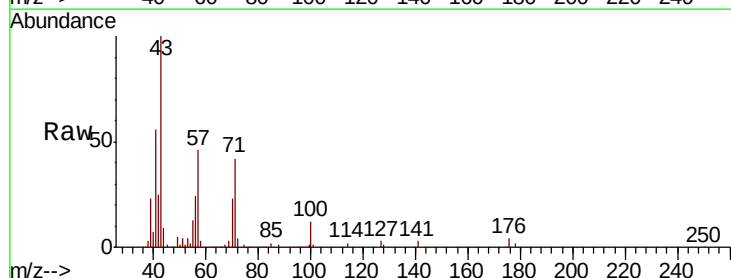
Acq: 18 May 2021 10:47

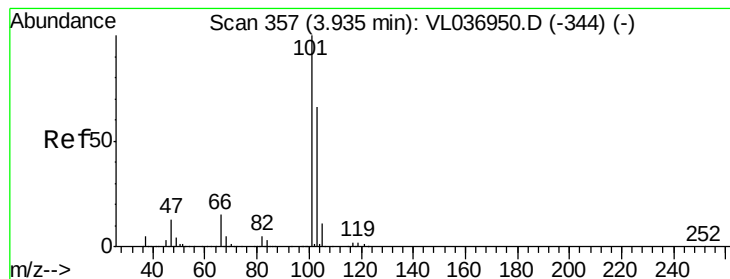
Tgt Ion: 43 Resp: 109232

Ion Ratio Lower Upper

43 100

57 51.2 41.0 61.6





#11

Trichlorofluoromethane

Concen: 0.562 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.00 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion:101 Resp: 111285

Ion Ratio Lower Upper

101 100

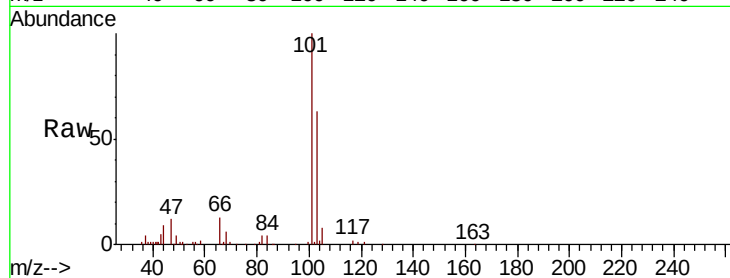
103 62.7 52.6 79.0

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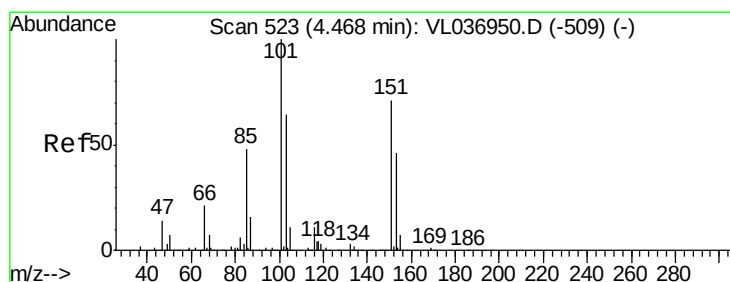
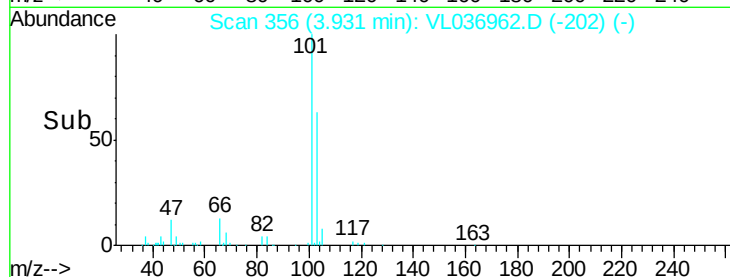
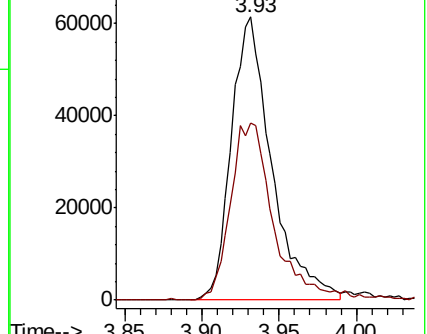
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.538 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.01 min

Lab File: VL036962.D

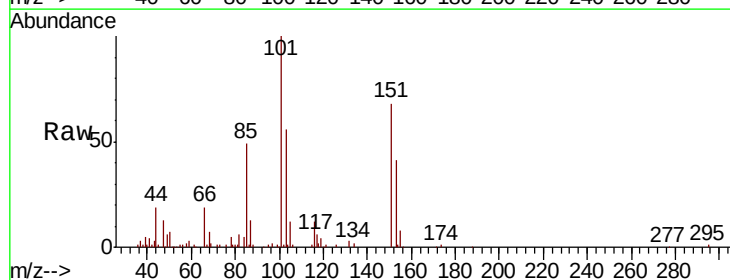
Acq: 18 May 2021 10:47

Tgt Ion:101 Resp: 75868

Ion Ratio Lower Upper

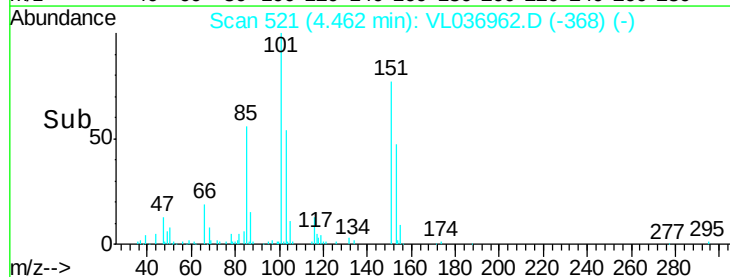
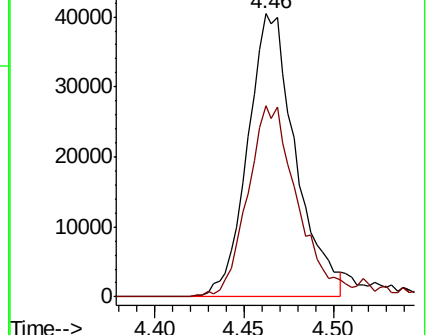
101 100

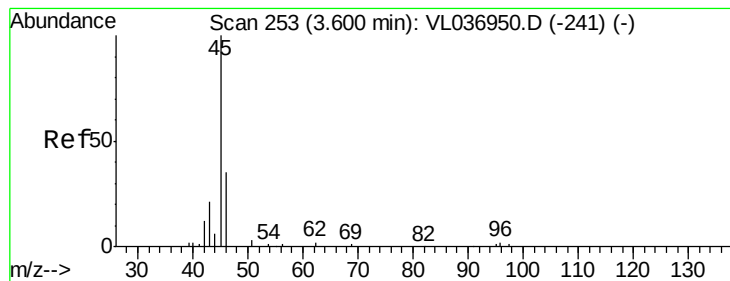
151 74.1 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.579 ppbv m

RT: 3.63 min Scan# 262

Delta R.T. 0.03 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion: 45 Resp: 6385

Ion Ratio Lower Upper

45 100

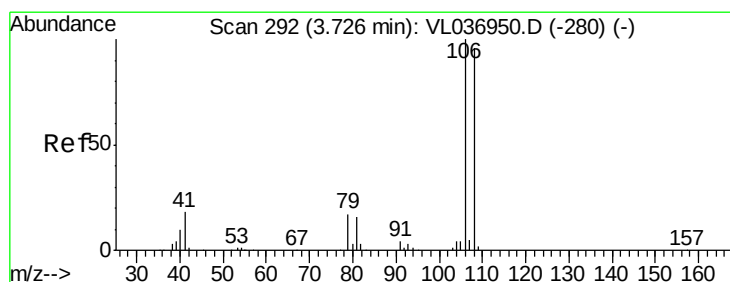
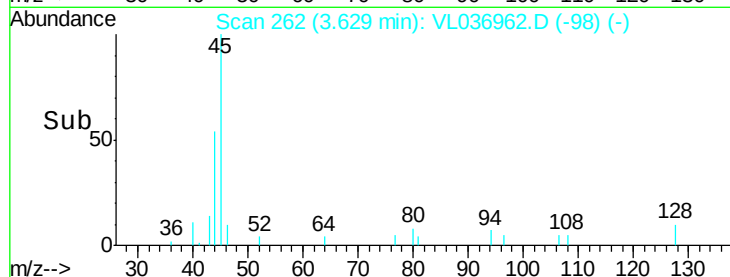
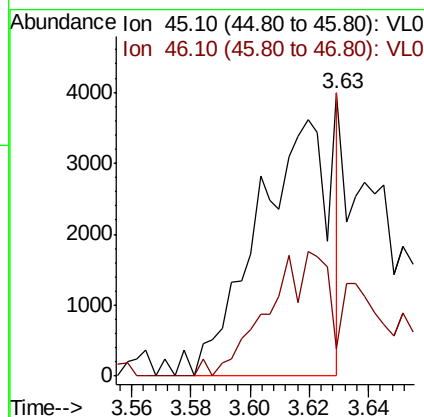
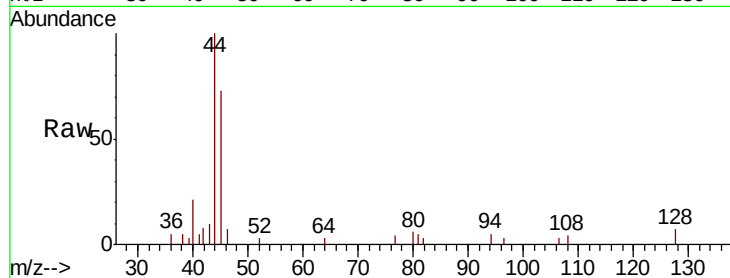
46 78.9 16.3 65.3#

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#14

Bromoethene

Concen: 0.477 ppbv

RT: 3.72 min Scan# 290

Delta R.T. -0.01 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

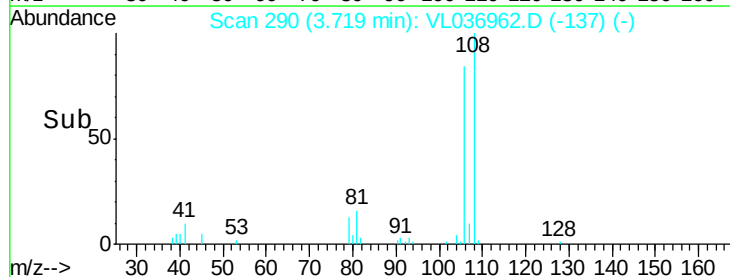
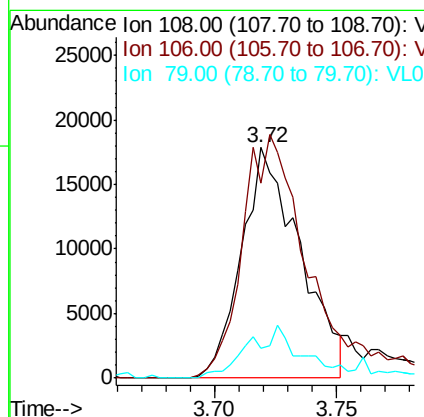
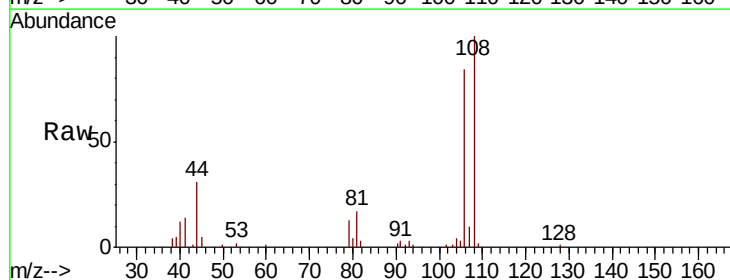
Tgt Ion: 108 Resp: 29624

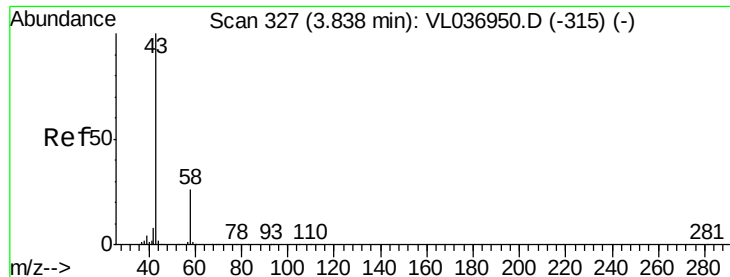
Ion Ratio Lower Upper

108 100

106 125.9 86.5 129.7

79 25.2 15.0 22.4#





#15

Acetone

Concen: 0.605 ppbv m

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion: 43 Resp: 78127

Ion Ratio Lower Upper

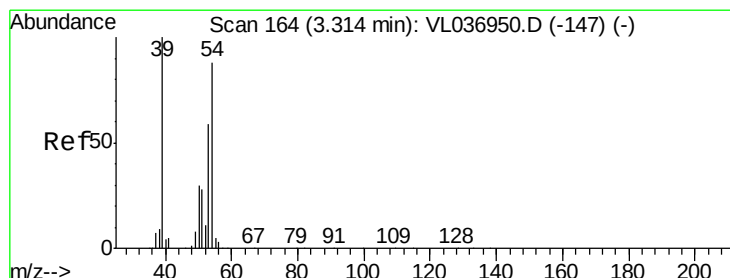
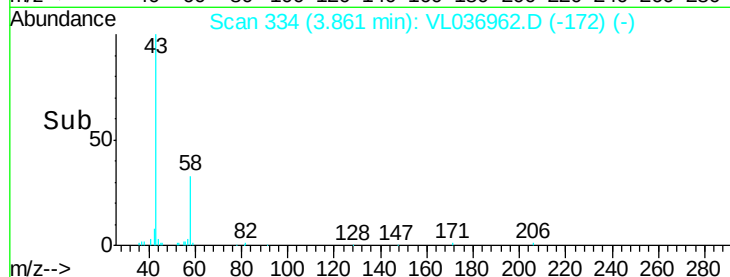
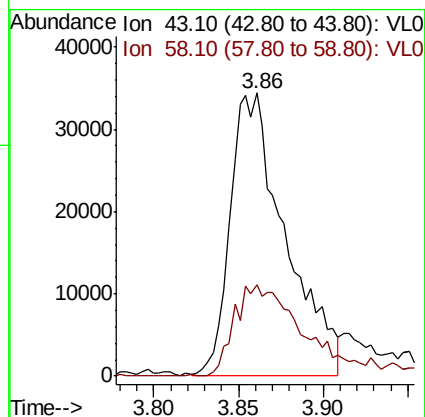
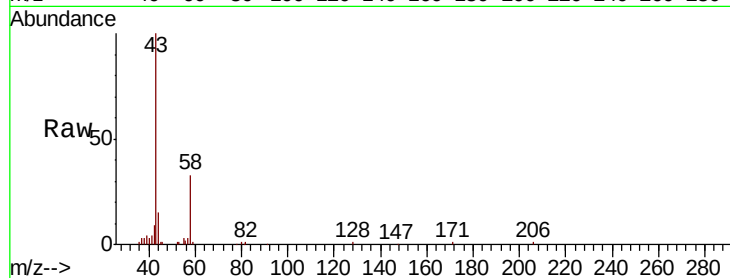
43 100

58 0.0 24.0 36.0#

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#16

1,3-Butadiene

Concen: 0.515 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL036962.D

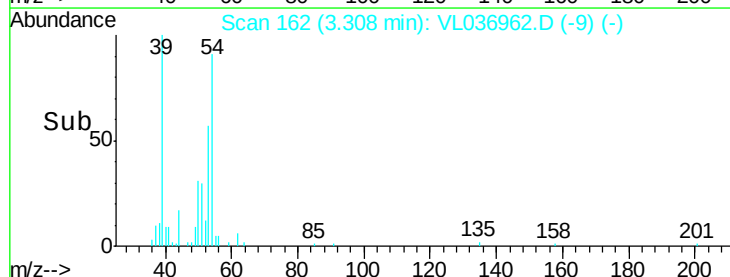
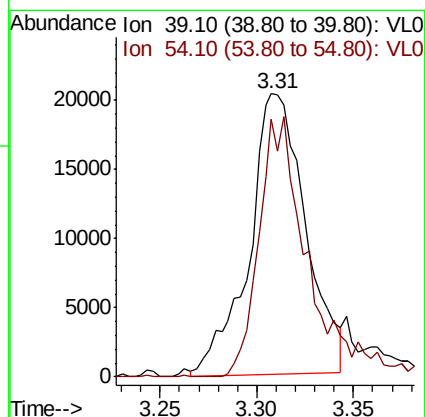
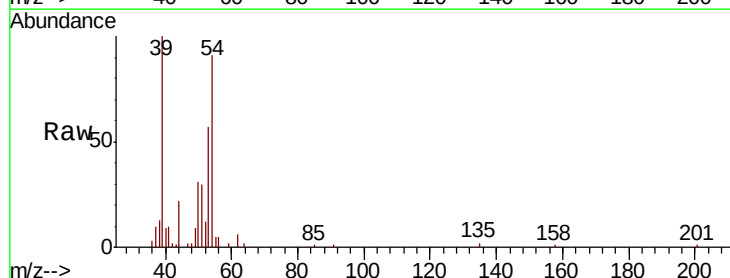
Acq: 18 May 2021 10:47

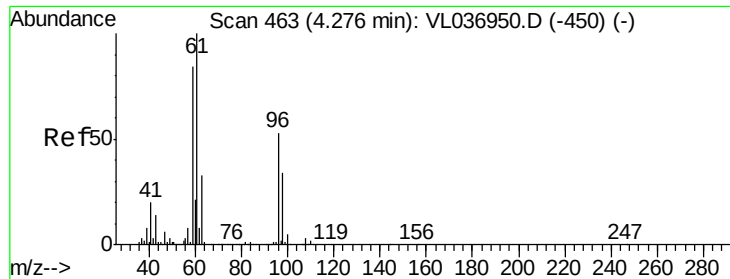
Tgt Ion: 39 Resp: 41319

Ion Ratio Lower Upper

39 100

54 82.0 63.2 94.8





#17

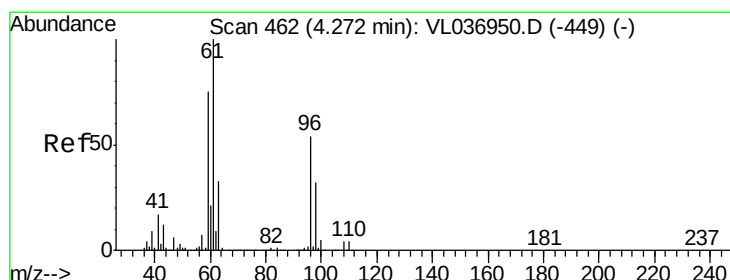
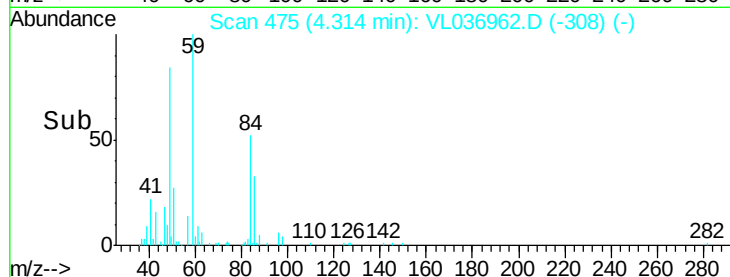
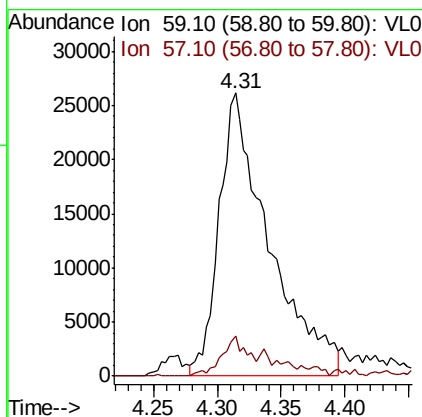
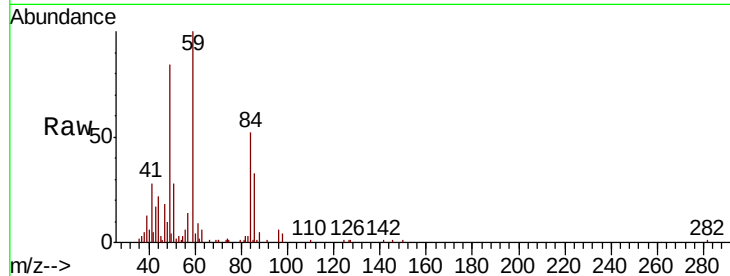
tert-Butyl alcohol
Concen: 0.602 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.04 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2021

Tot Ion: 59 Resp: 71153
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

Manual Integrations
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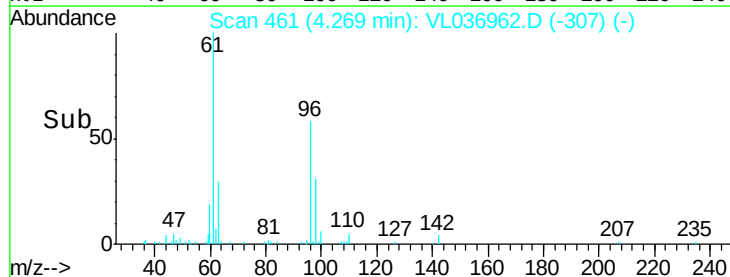
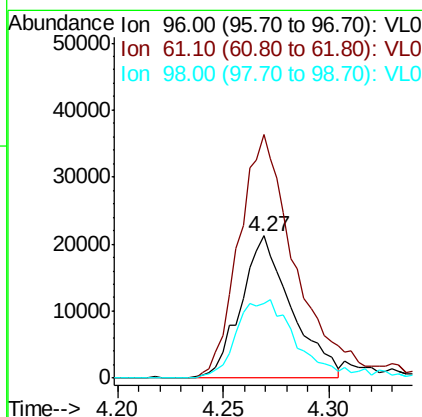
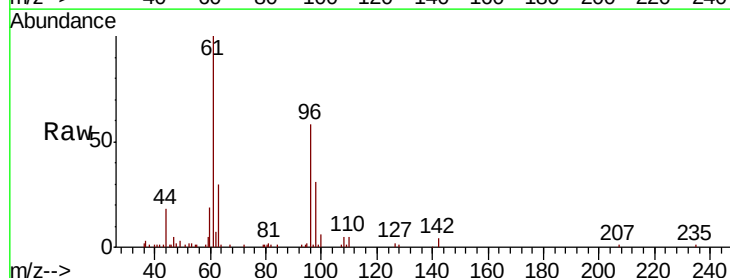
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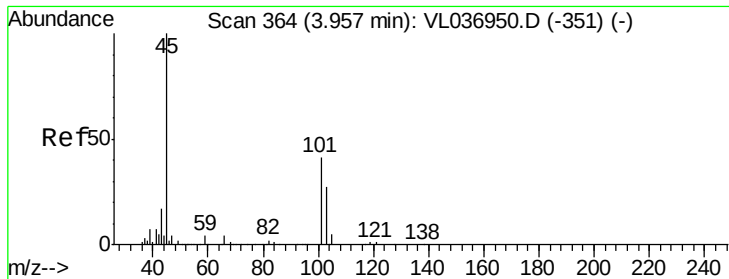


#18

1,1-Dichloroethene
Concen: 0.543 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Tgt Ion: 96 Resp: 35402
Ion Ratio Lower Upper
96 100
61 171.4 148.2 222.4
98 52.6 47.8 71.6





#19

Isopropyl Alcohol

Concen: 0.648 ppbv m

RT: 3.99 min Scan# 374

Delta R.T. 0.03 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion: 45 Resp: 44997

Ion Ratio Lower Upper

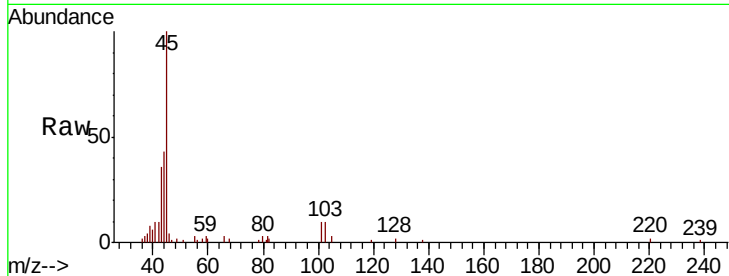
45 100

58 0.0 37.2 55.8#

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.99

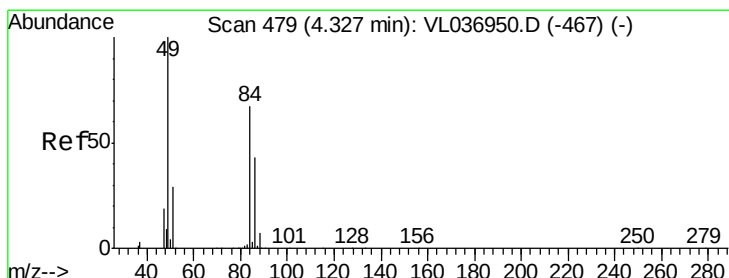
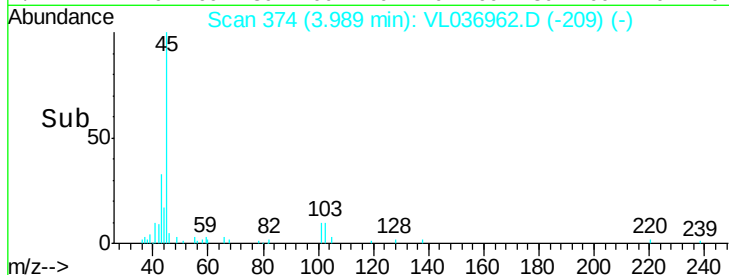
15000

10000

5000

0

Time--> 3.90 3.95 4.00 4.05 4.10



#20

Methylene Chloride

Concen: 0.604 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Tgt Ion: 84 Resp: 41766

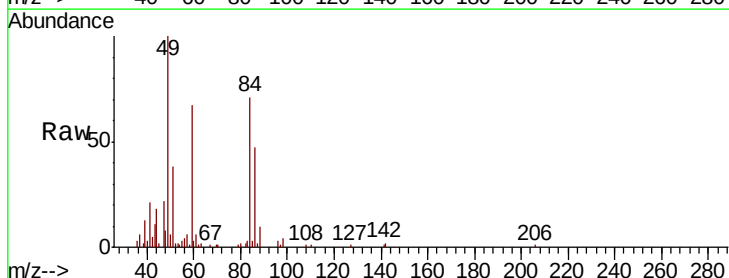
Ion Ratio Lower Upper

84 100

49 136.6 119.8 179.6

51 53.0 35.1 52.7#

86 66.2 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

50000

40000

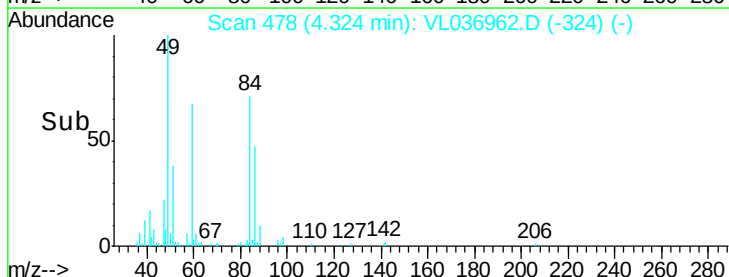
30000

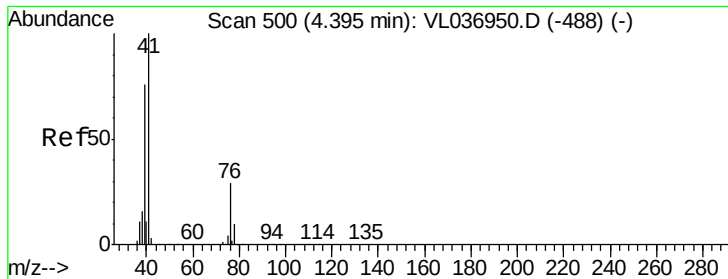
20000

10000

0

Time--> 4.30 4.35





#21

Allvl Chloride

Concen: 0.484 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.00 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

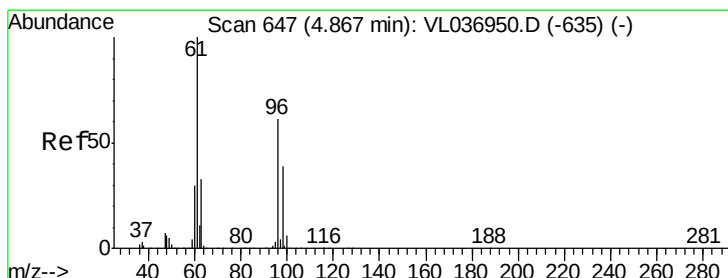
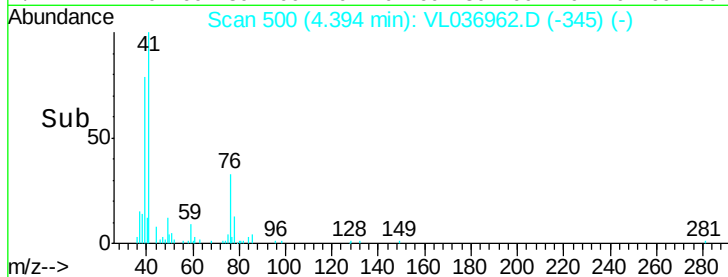
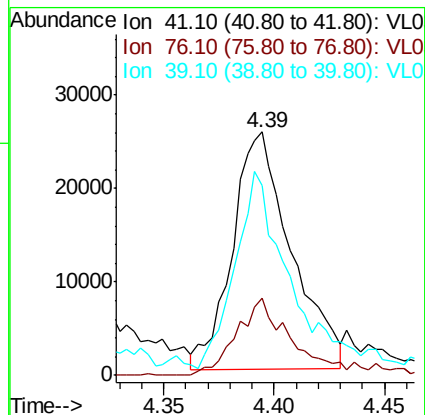
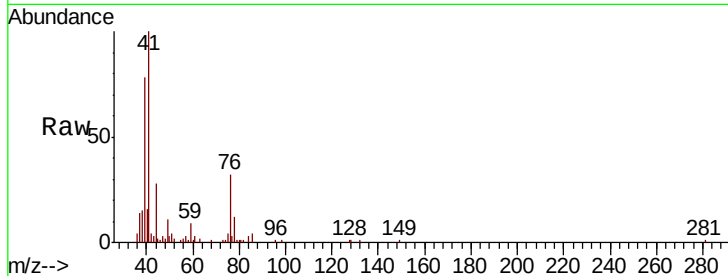
ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion:	41	Resp:	47153
Ion Ratio	Lower	Upper	
41	100		
76	33.3	24.9	37.3
39	88.0	63.7	95.5

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#22

trans-1,2-Dichloroethene

Concen: 0.514 ppbv

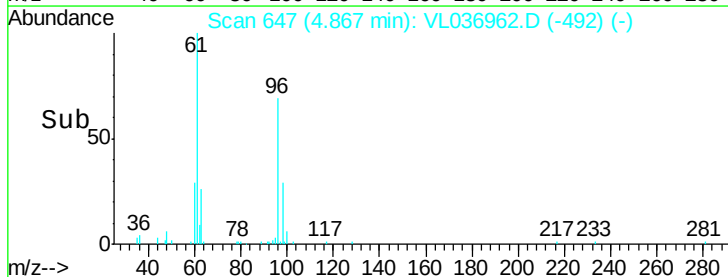
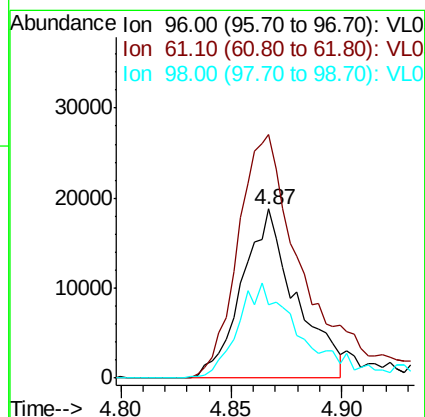
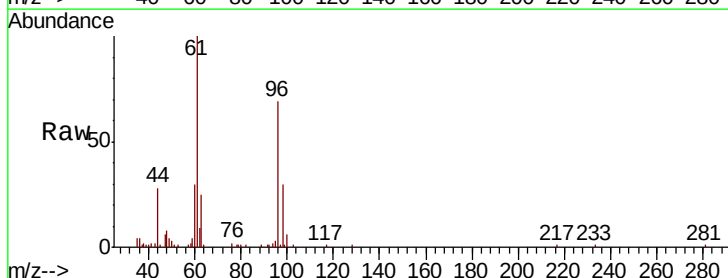
RT: 4.87 min Scan# 647

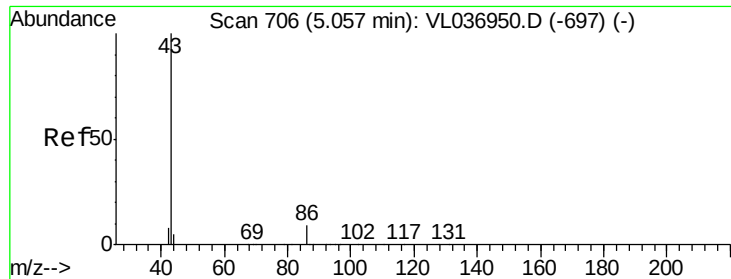
Delta R.T. -0.00 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Tgt Ion:	96	Resp:	32078
Ion Ratio	Lower	Upper	
96	100		
61	144.3	130.6	196.0
98	42.3	50.8	76.2#





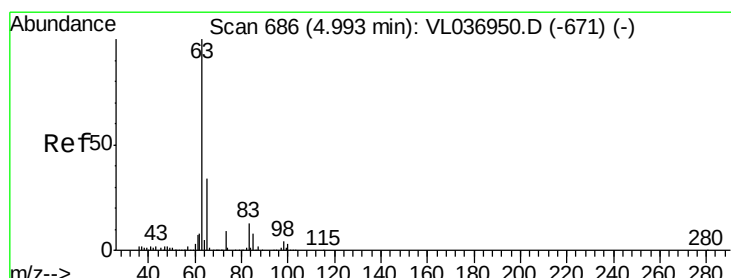
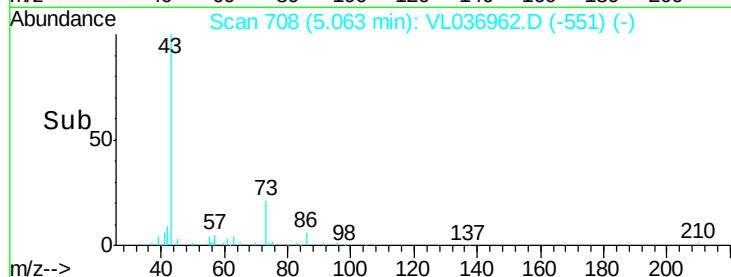
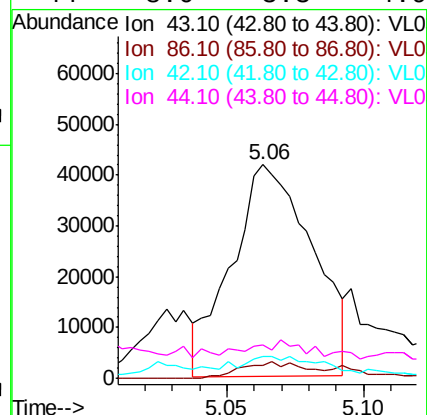
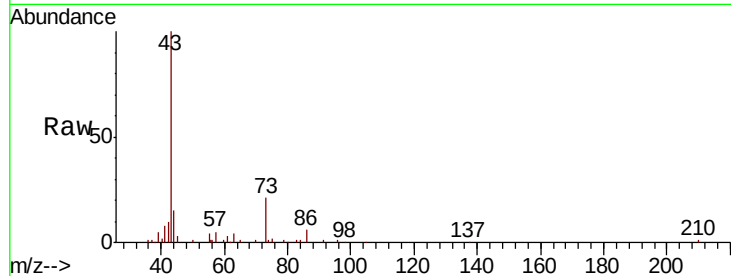
#23
 Vinyl Acetate
 Concen: 0.420 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VL036962.D
 Acq: 18 May 2021 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2021

Tot Ion	43	Resp	86074
Ion Ratio	Lower	Upper	
43	100		
86	8.2	5.8	8.8
42	8.8	7.4	11.2
44	8.0	3.3	4.9#

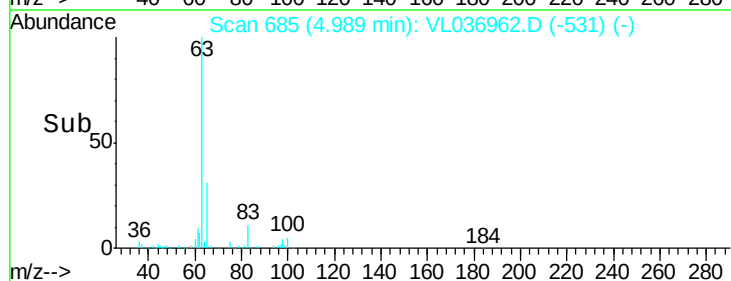
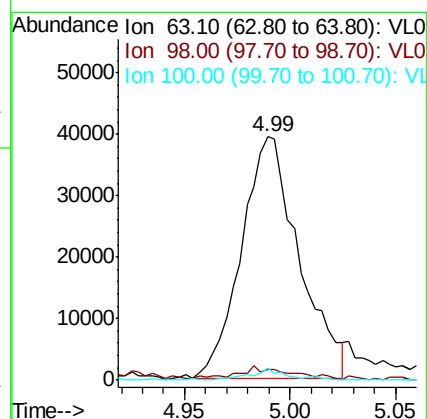
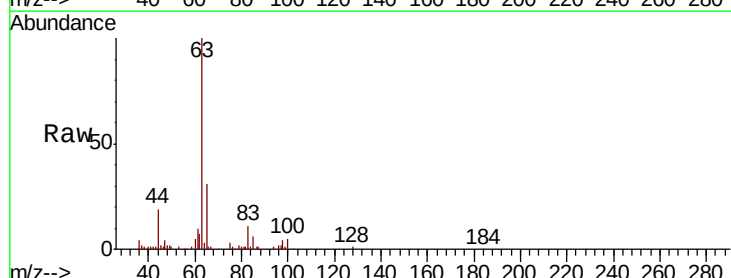
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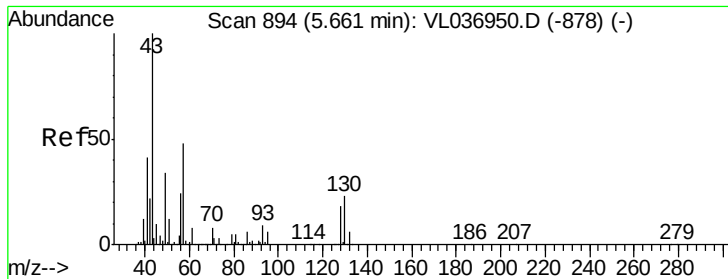
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#24
 1,1-Dichloroethane
 Concen: 0.504 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: VL036962.D
 Acq: 18 May 2021 10:47

Tgt Ion	63	Resp	74329
Ion Ratio	Lower	Upper	
63	100		
98	4.5	2.3	6.9
100	4.7	1.4	4.0#





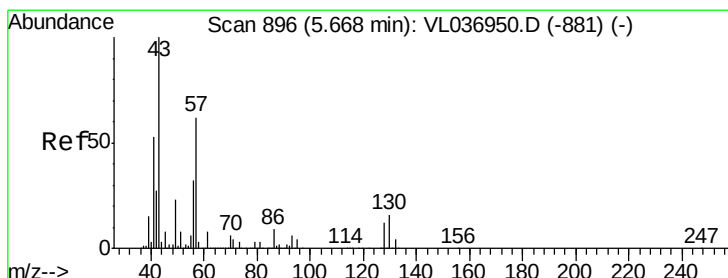
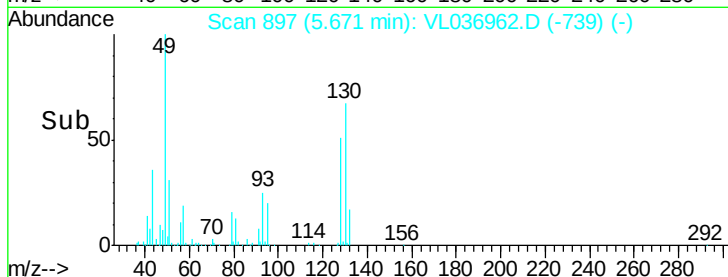
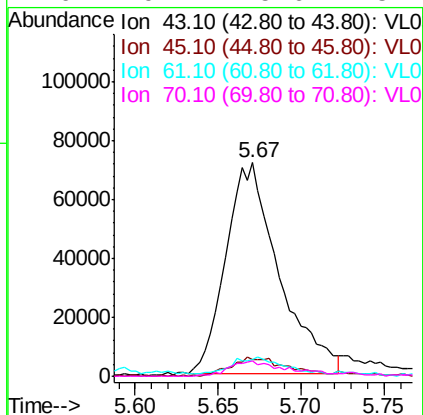
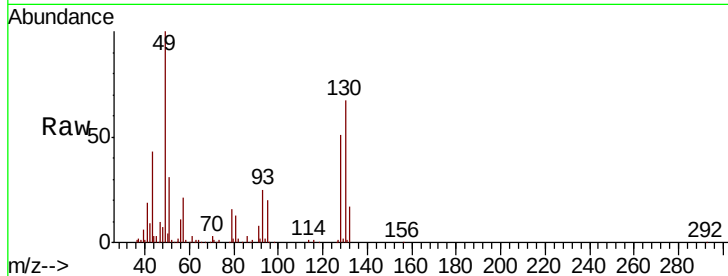
#25
Ethyl Acetate
Concen: 0.513 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2021

Tot Ion	43	Resp	159214
Ion	Ratio	Lower	Upper
43	100		
45	11.0	7.8	11.8
61	10.5	7.8	11.8
70	9.1	5.6	8.4

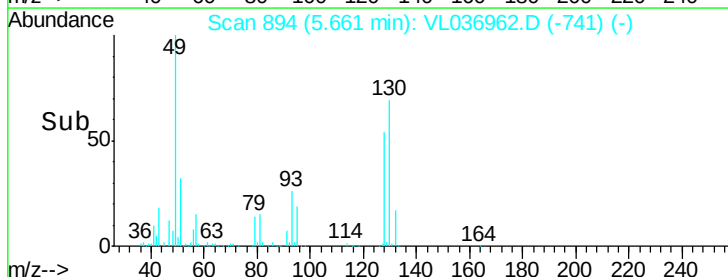
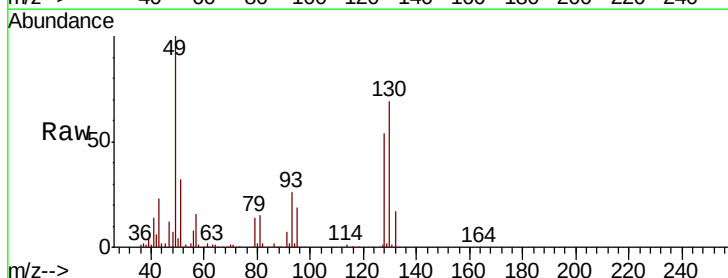
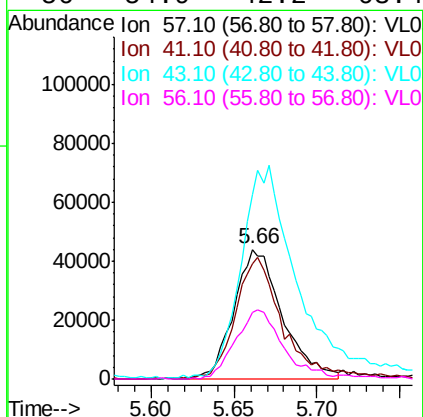
Manual Integrations
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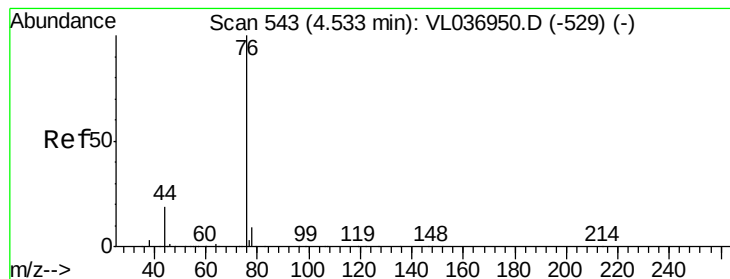
MMDadoda
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#26
Hexane
Concen: 0.563 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Tgt Ion	57	Resp	89192
Ion	Ratio	Lower	Upper
57	100		
41	96.9	70.5	105.7
43	202.9	165.8	248.8
56	54.9	42.2	63.4





#27

Carbon Disulfide

Concen: 0.464 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

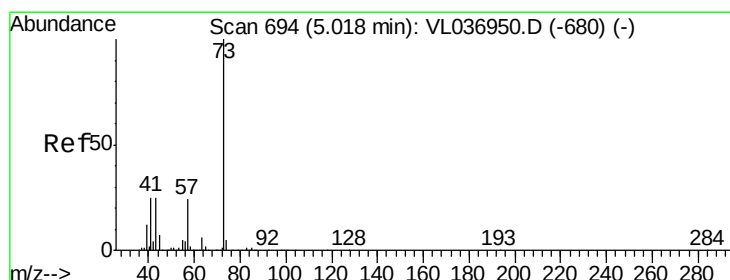
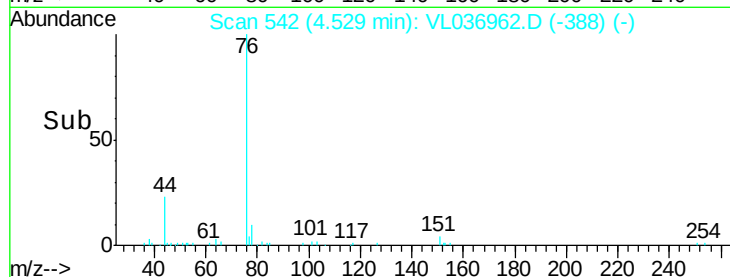
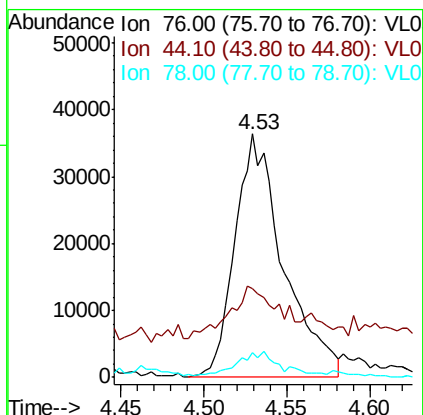
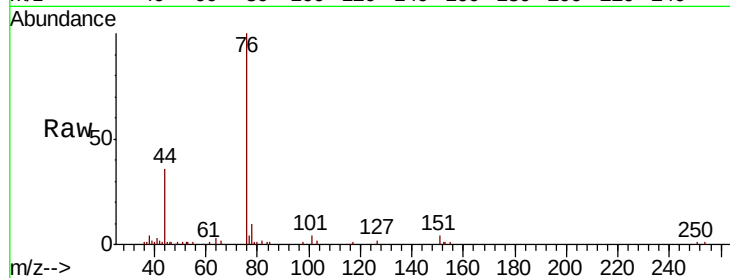
ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion:	76	Resp:	74075
Ion	Ratio	Lower	Upper
76	100		
44	26.2	15.5	23.3#
78	10.0	7.8	11.6

Manual Integrations
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5/20/2021 5:54:50 PM



#28

Methyl tert-Butyl Ether

Concen: 0.520 ppbv

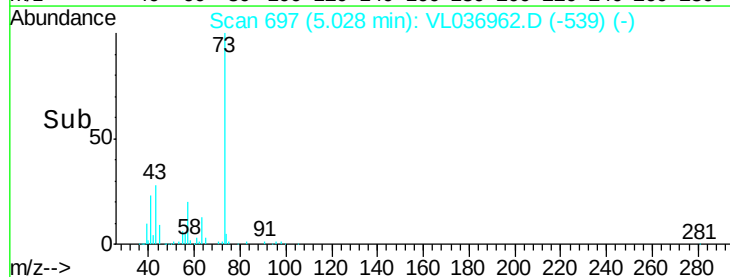
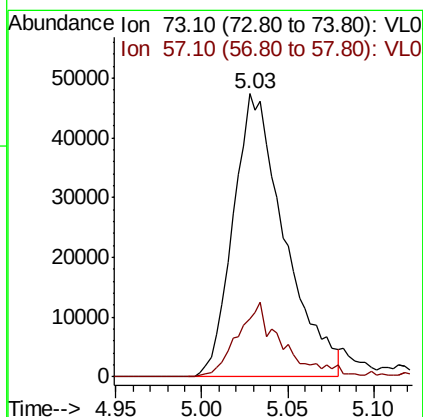
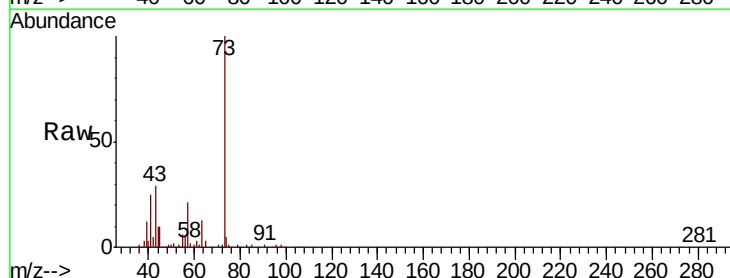
RT: 5.03 min Scan# 697

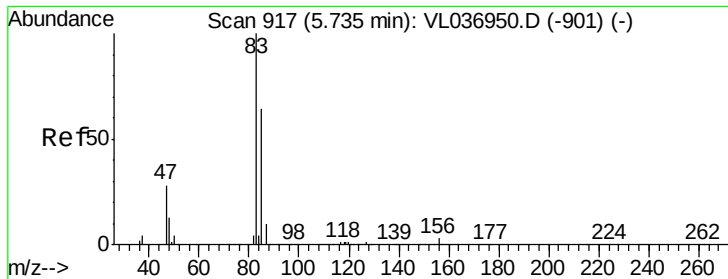
Delta R.T. 0.01 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Tgt Ion:	73	Resp:	98825
Ion	Ratio	Lower	Upper
73	100		
57	23.9	18.3	27.5





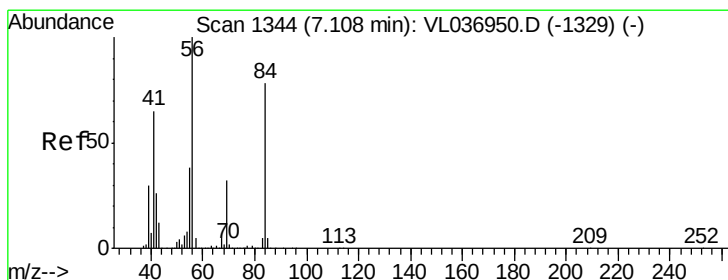
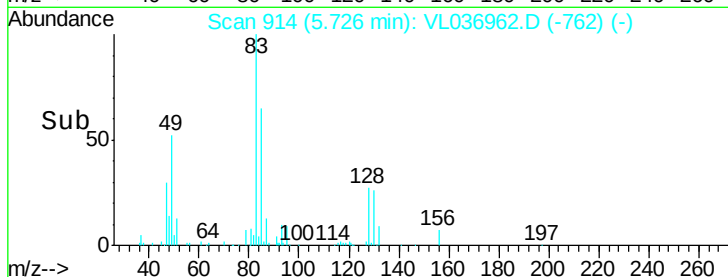
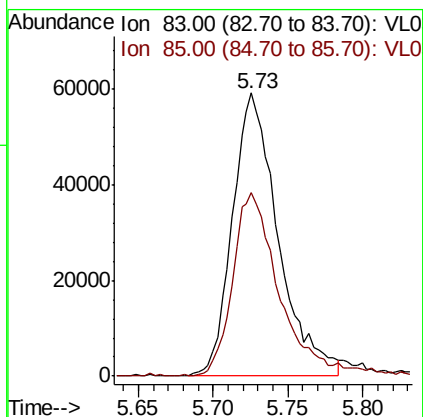
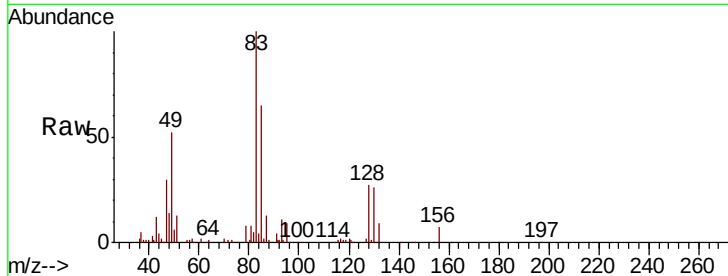
#29
Chloroform
Concen: 0.563 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.01 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2021

Tot Ion: 83 Resp: 125957
Ion Ratio Lower Upper
83 100
85 64.9 51.1 76.7

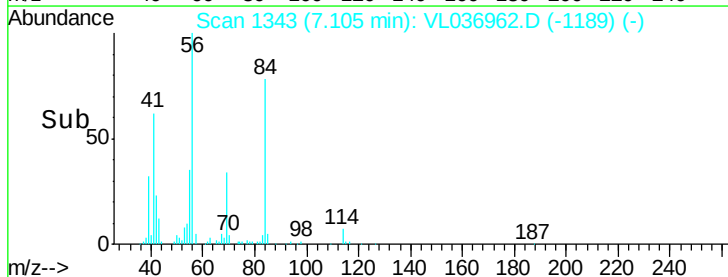
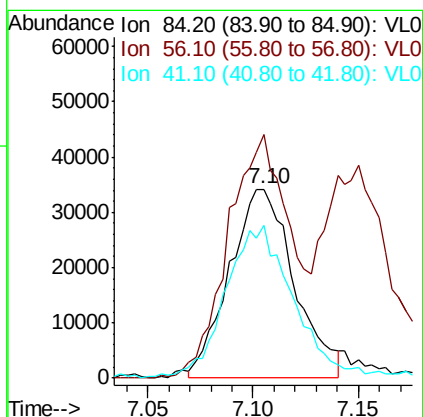
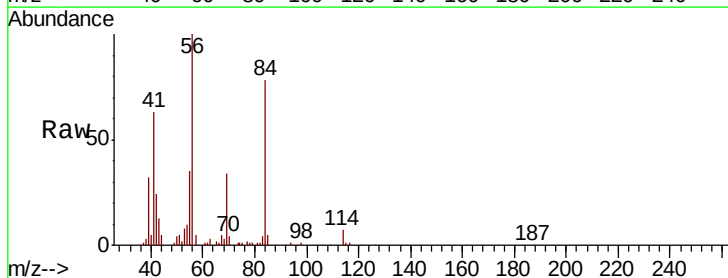
Manual Integrations
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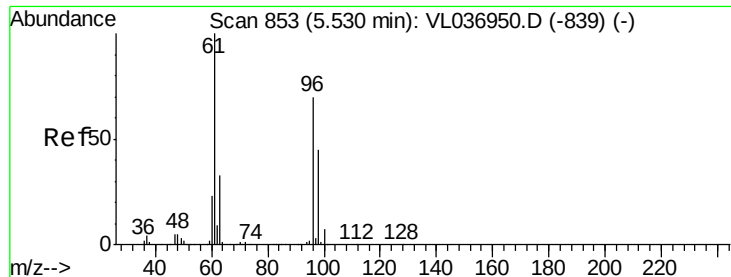
MMDadoda
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#30
Cyclohexane
Concen: 0.540 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Tgt Ion: 84 Resp: 72744
Ion Ratio Lower Upper
84 100
56 120.8 107.9 161.9
41 84.8 65.5 98.3





#31

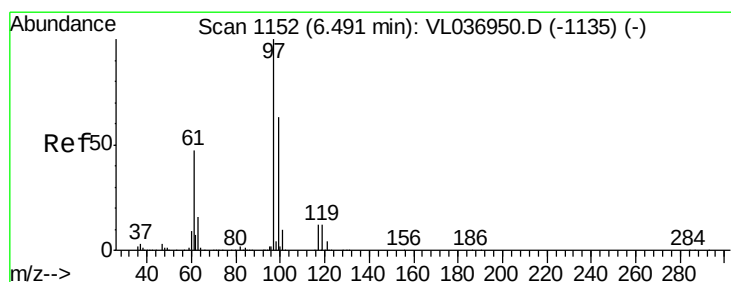
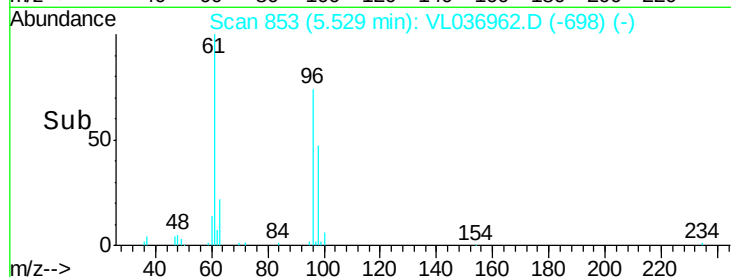
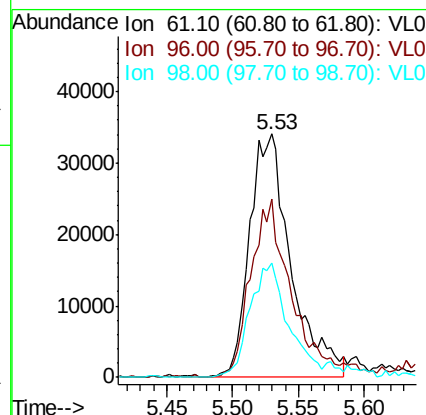
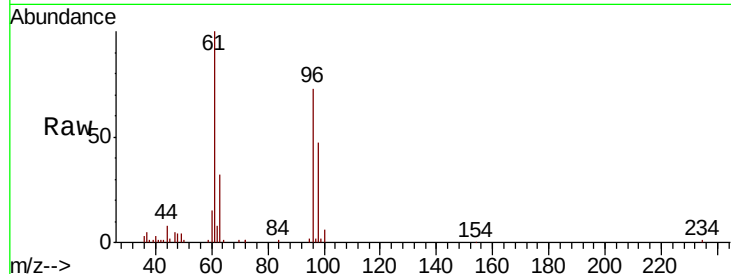
cis-1,2-Dichloroethene
Concen: 0.527 ppbv m
RT: 5.53 min Scan# 853
Delta R.T. -0.00 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2021

Tot Ion	Ratio	Lower	Upper
61	100		
96	73.2	55.9	83.9
98	46.9	35.6	53.4

Manual Integrations
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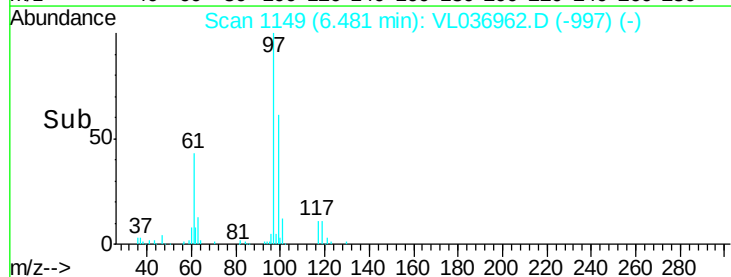
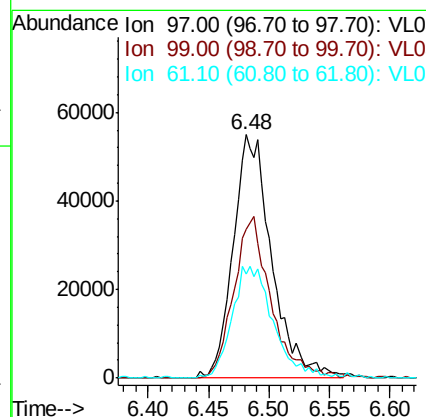
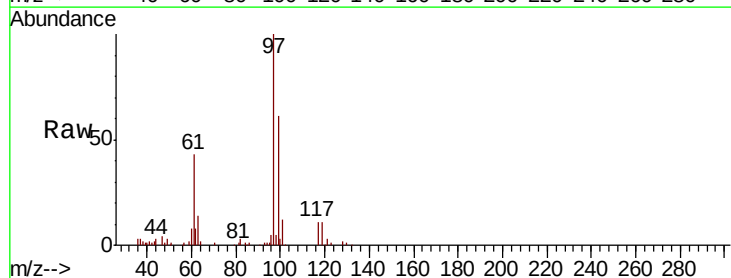
MMDadoda
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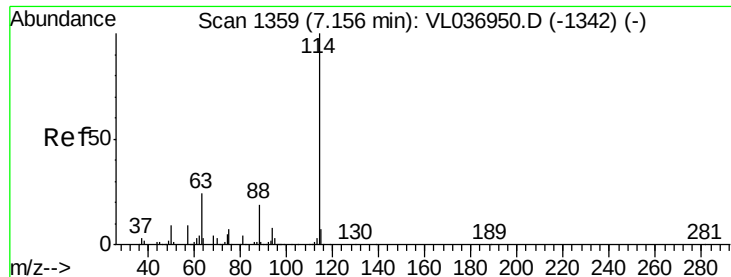


#32

1,1,1-Trichloroethane
Concen: 0.512 ppbv m
RT: 6.48 min Scan# 1149
Delta R.T. -0.01 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.9	77.9
61	0.0	37.6	56.4#





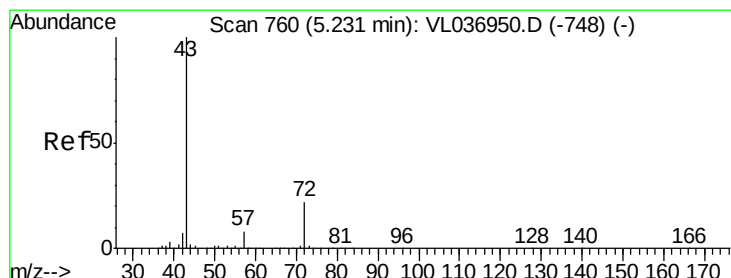
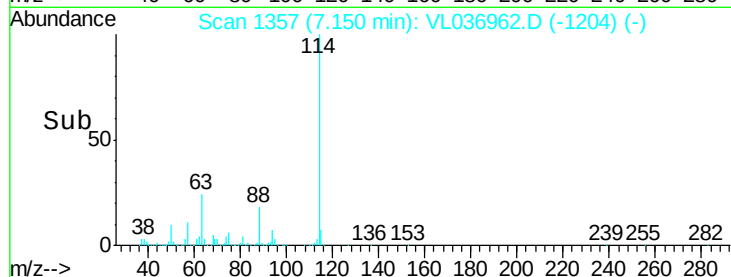
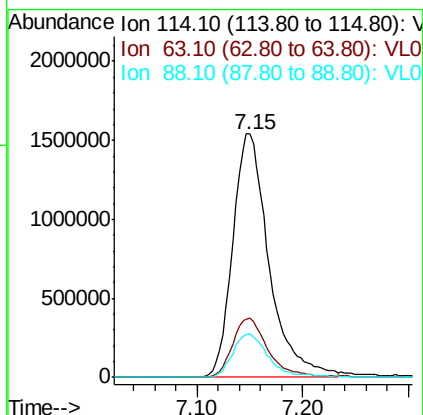
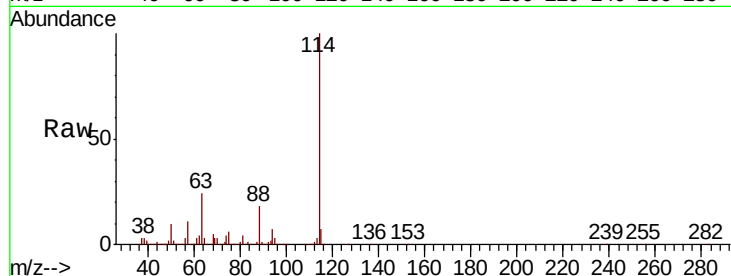
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VL036962.D
 Acq: 18 May 2021 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2021

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.6	29.4
88	18.0	14.6	21.8

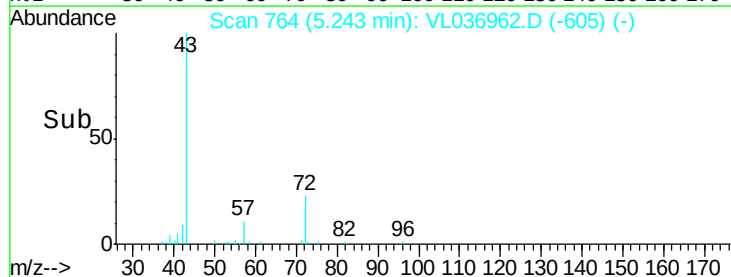
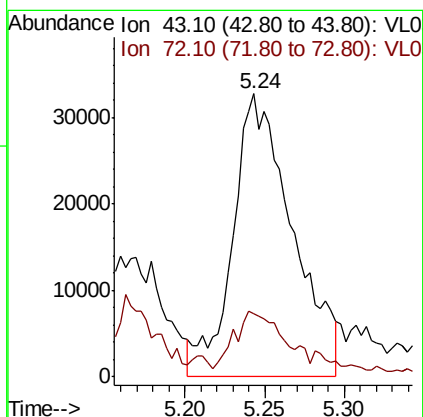
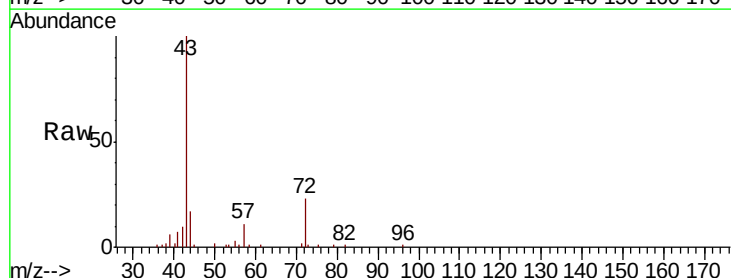
Manual Integrations
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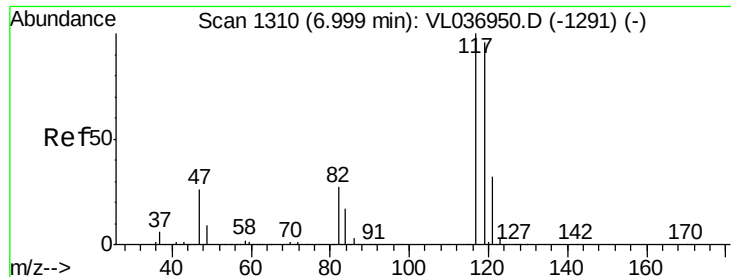
MMDadoda
 5/20/2021 5:54:50 PM



#34
 2-Butanone
 Concen: 0.641 ppbv m
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL036962.D
 Acq: 18 May 2021 10:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.1	19.0	28.4





#35

Carbon Tetrachloride

Concen: 0.492 ppbv

RT: 6.99 min Scan# 1308

Delta R.T. -0.01 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

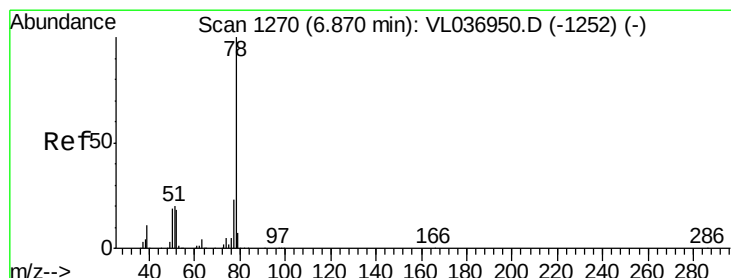
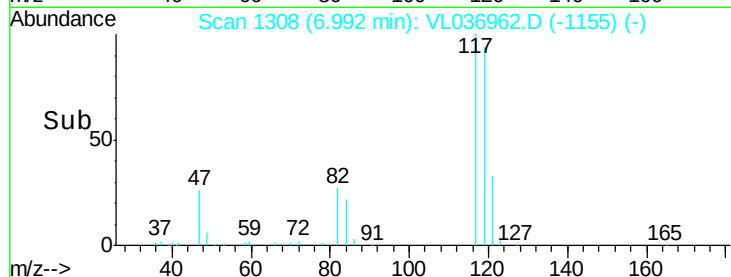
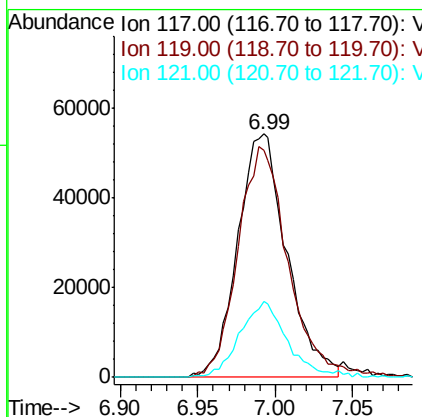
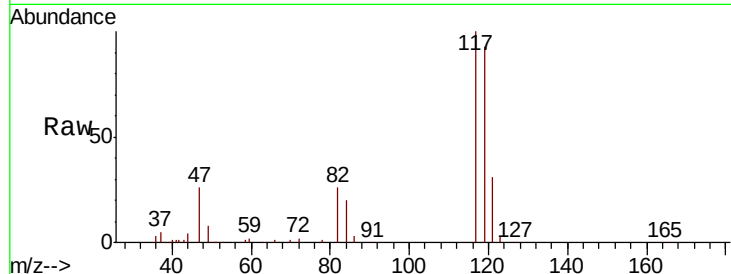
ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion:	117	Resp:	119900
Ion Ratio	Lower	Upper	
117	100		
119	93.0	76.6	114.8
121	31.3	25.8	38.6

Manual Integrations
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#36

Benzene

Concen: 0.555 ppbv

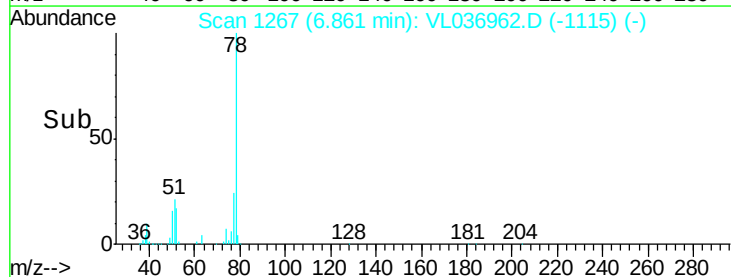
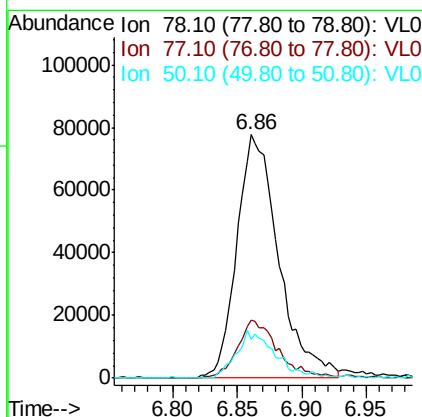
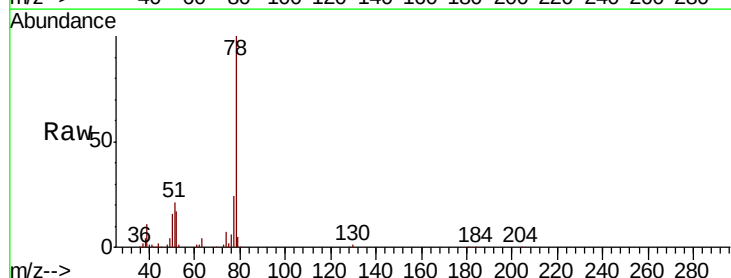
RT: 6.86 min Scan# 1267

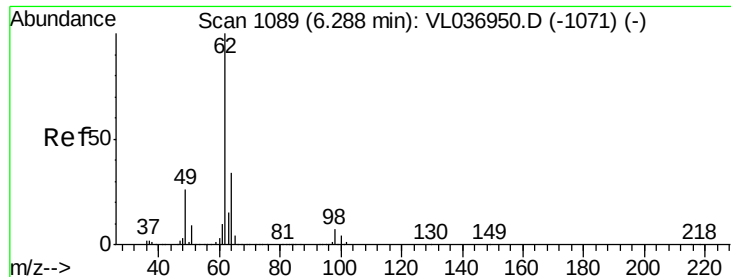
Delta R.T. -0.01 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Tgt Ion:	78	Resp:	175289
Ion Ratio	Lower	Upper	
78	100		
77	23.9	18.6	28.0
50	15.8	15.0	22.4





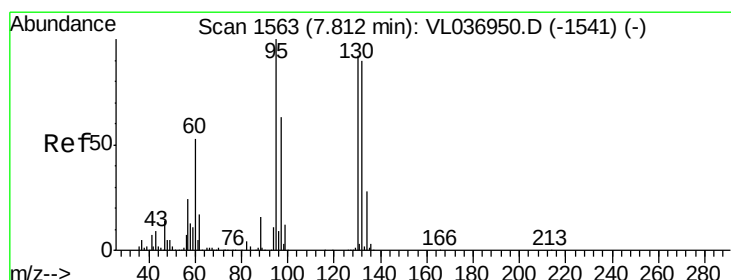
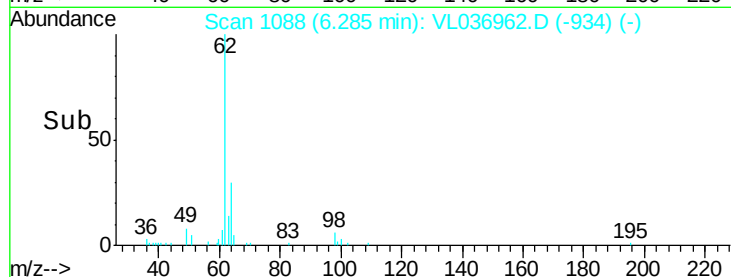
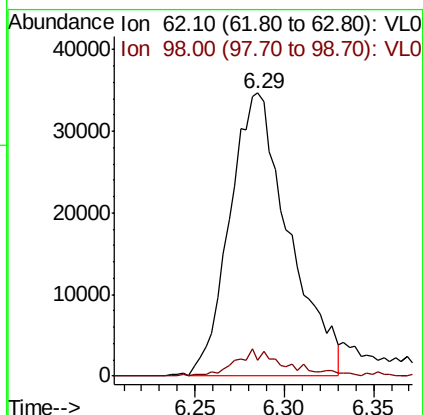
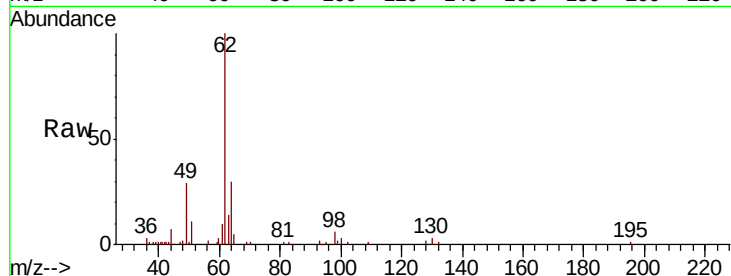
#37
1,2-Dichloroethane
Concen: 0.512 ppbv
RT: 6.29 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2021

Tot Ion	Ratio	Resp	Lower	Upper
62	100	80178		
98	7.8	5.5	8.3	

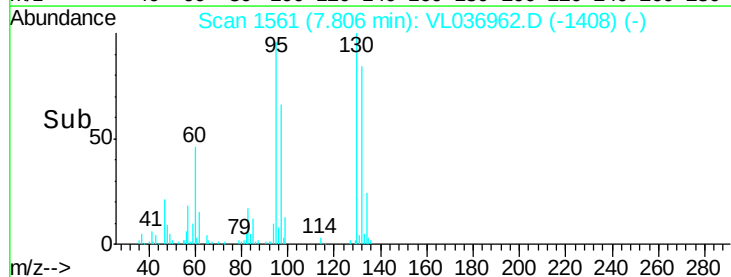
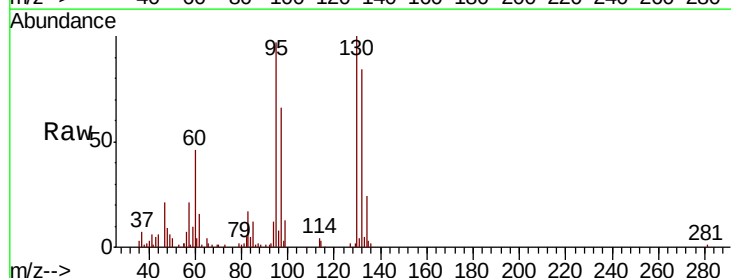
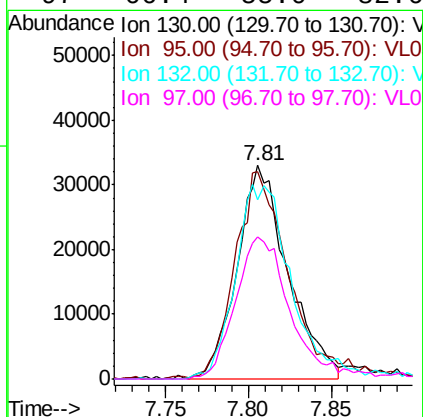
Manual Integrations
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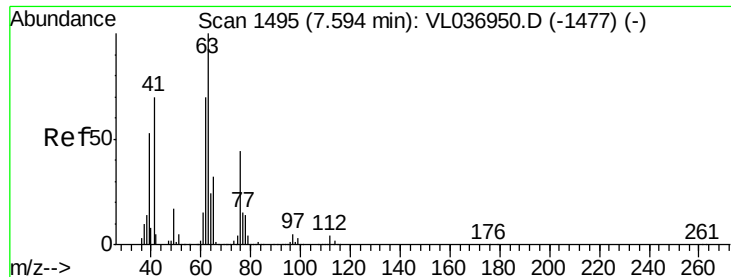
MMDadoda
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#38
Trichloroethene
Concen: 0.522 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	70450		
95	96.6	86.9	130.3	
132	83.1	78.4	117.6	
97	66.4	55.0	82.6	





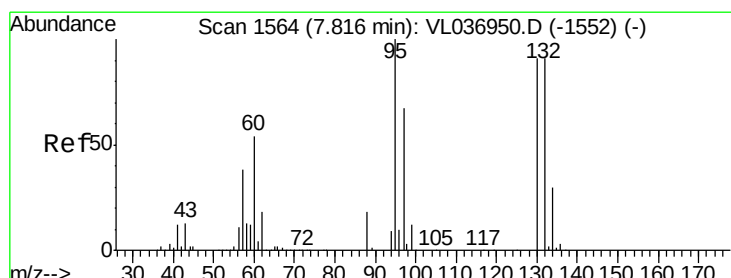
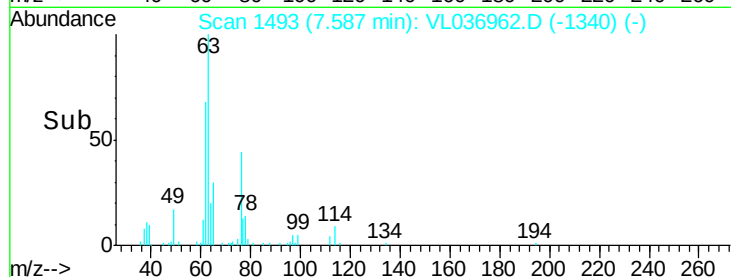
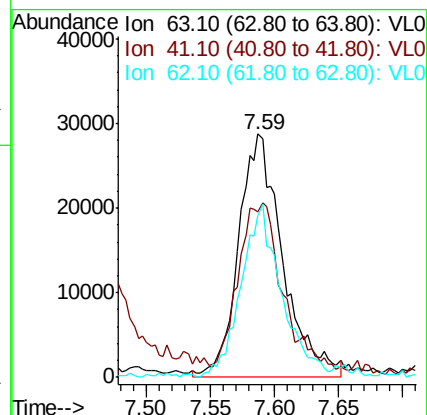
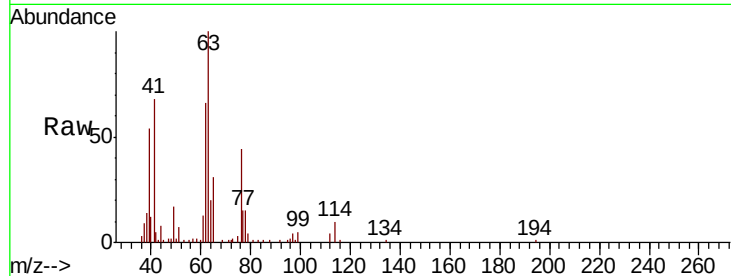
#39
 1,2-Dichloropropane
 Concen: 0.564 ppbv m
 RT: 7.59 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: VL036962.D
 Acq: 18 May 2021 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2021

Tot Ion	Ratio	Lower	Upper
63	100		
41	68.0	55.7	83.5
62	66.4	56.2	84.4

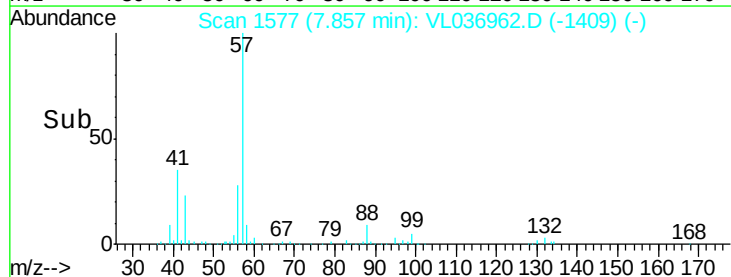
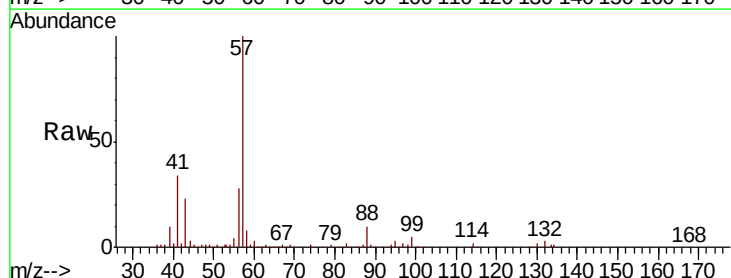
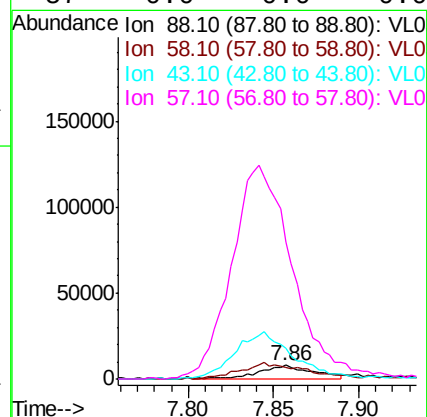
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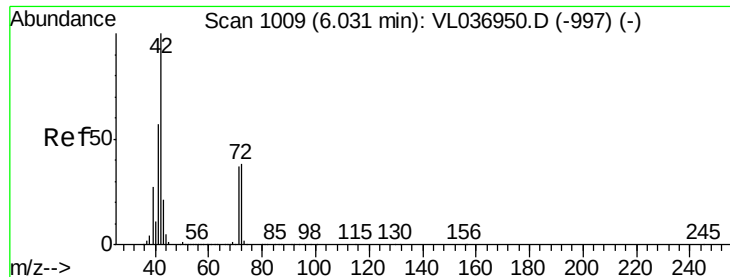
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#40
 1,4-Dioxane
 Concen: 0.612 ppbv m
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.04 min
 Lab File: VL036962.D
 Acq: 18 May 2021 10:47

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: 0.526 ppbv m

RT: 6.06 min Scan# 1017

Delta R.T. 0.03 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

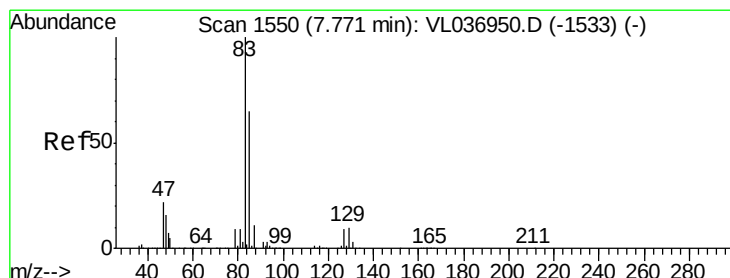
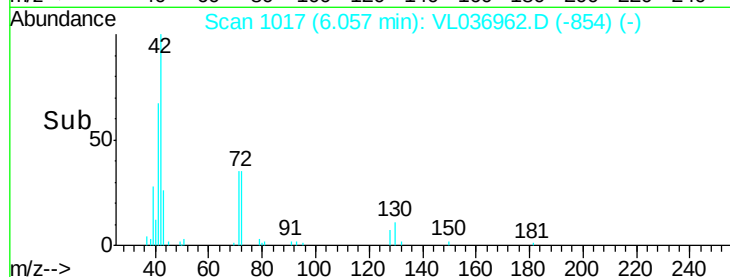
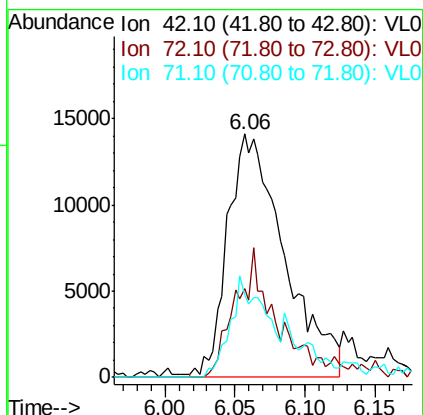
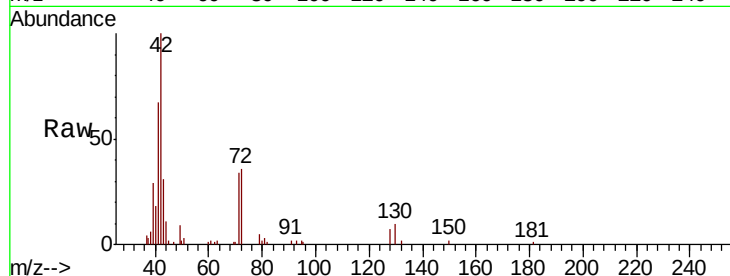
ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion:	42	Resp:	40013
Ion Ratio		Lower	Upper
42	100		
72	0.0	31.4	47.2#
71	38.7	30.4	45.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 0.485 ppbv

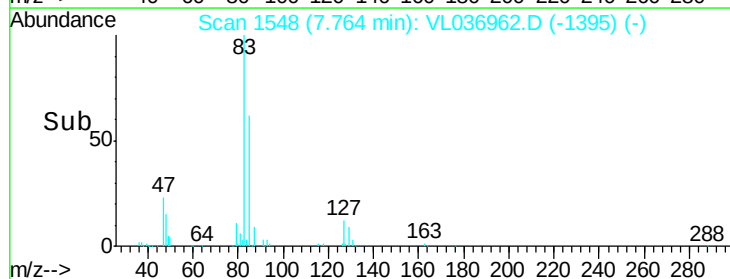
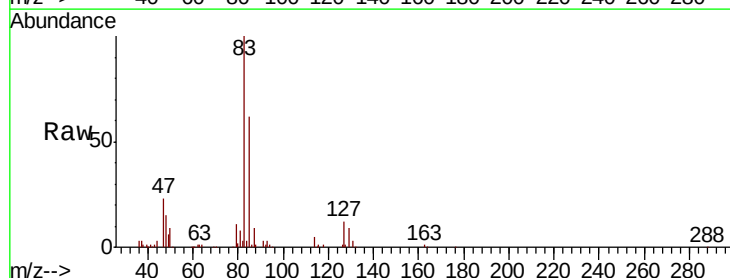
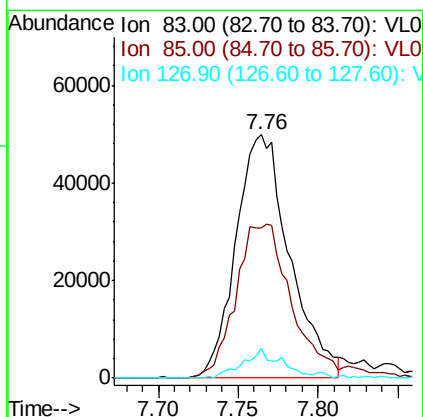
RT: 7.76 min Scan# 1548

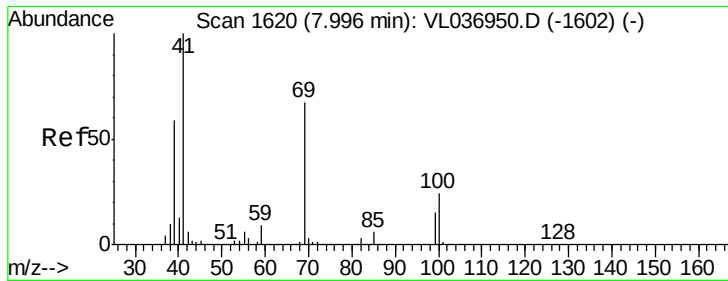
Delta R.T. -0.01 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Tgt Ion:	83	Resp:	114813
Ion Ratio		Lower	Upper
83	100		
85	61.6	51.7	77.5
127	12.1	6.9	10.3#





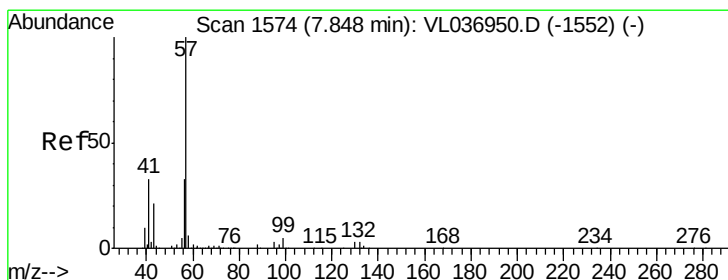
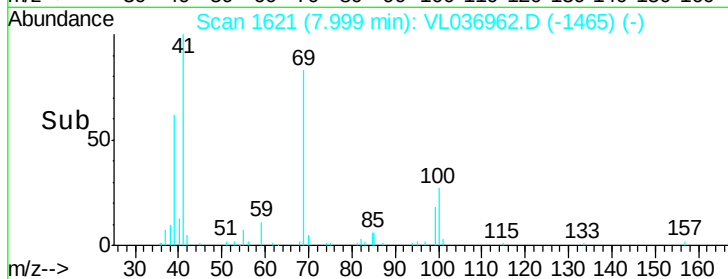
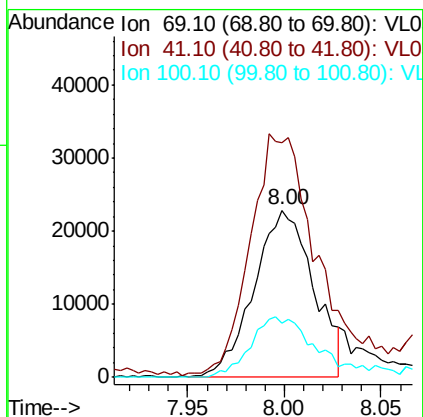
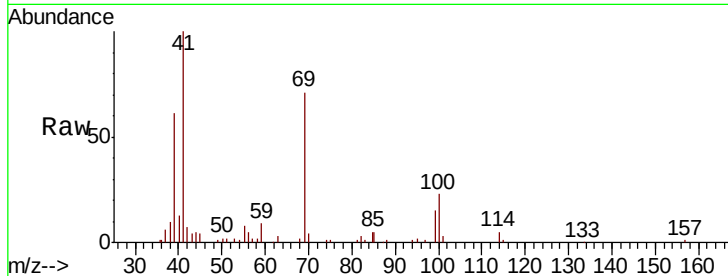
#43
Methyl Methacrylate
Concen: 0.451 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2021

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	161.4	118.6	178.0	
100	41.5	28.2	42.4	

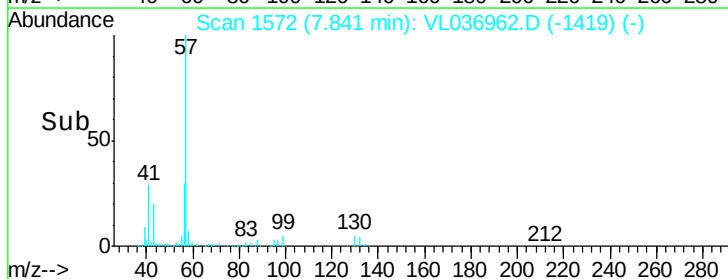
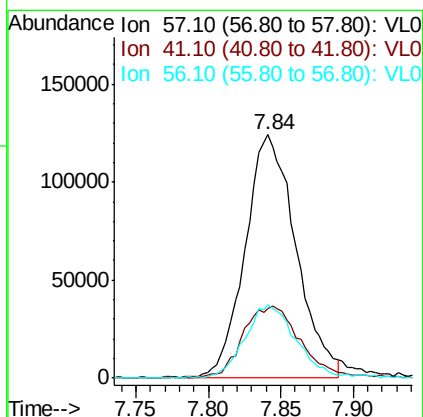
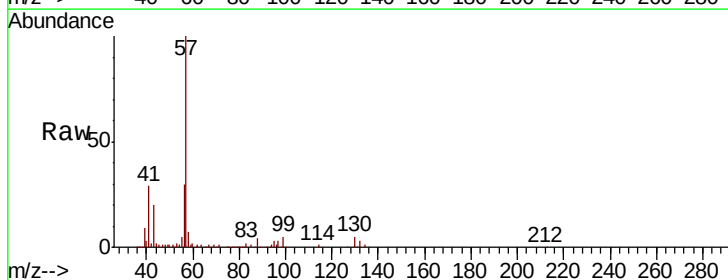
Manual Integrations
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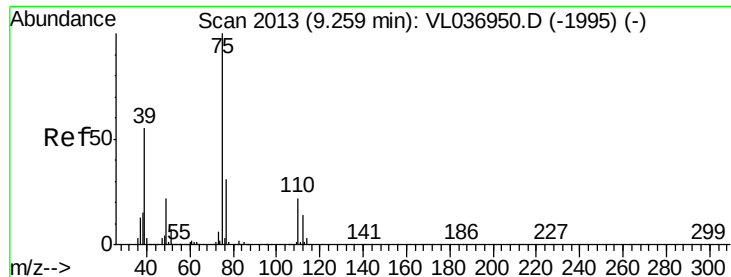
MMDadoda
5/20/2021 5:54:50 PM



#44
2,2,4-Trimethylpentane
Concen: 0.560 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.5	27.0	40.4	
56	31.4	25.4	38.2	





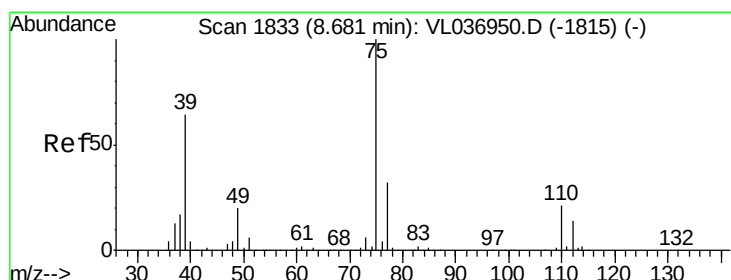
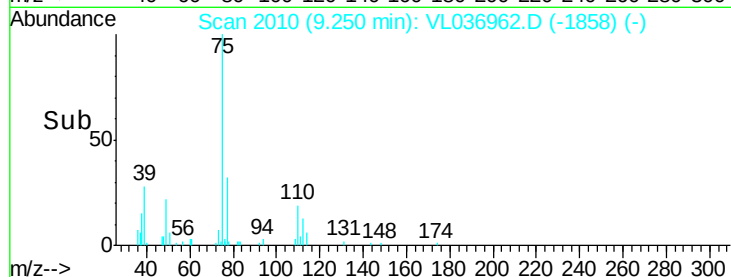
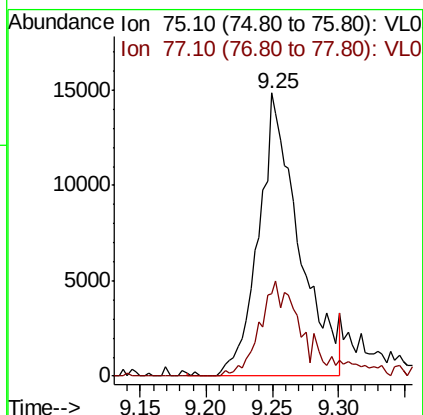
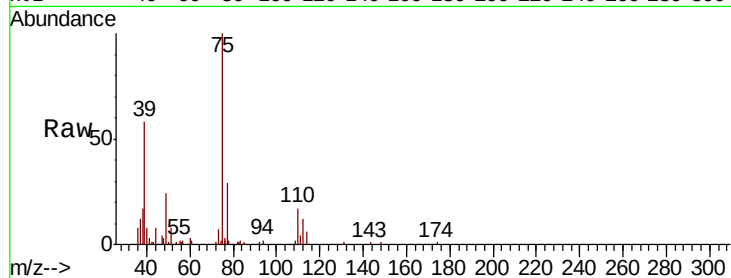
#45
t-1,3-Dichloropropene
Concen: 0.379 ppbv m
RT: 9.25 min Scan# 2010
Delta R.T. -0.01 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2021

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.0	24.4	36.6

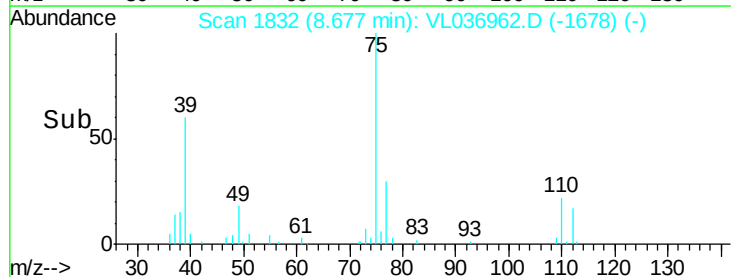
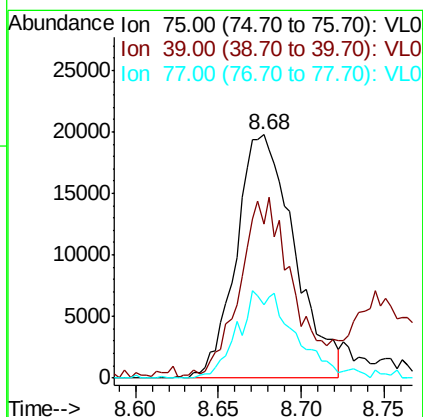
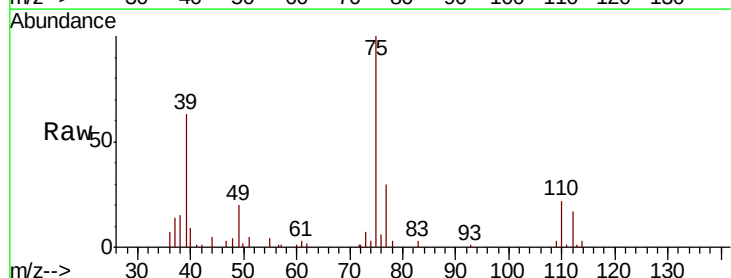
Manual Integrations
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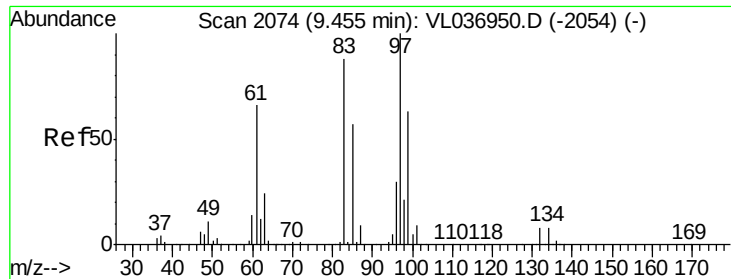
MMDadoda
5/20/2021 5:54:50 PM



#46
cis-1,3-Dichloropropene
Concen: 0.430 ppbv
RT: 8.68 min Scan# 1832
Delta R.T. -0.00 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
39	62.1	51.5	77.3
77	30.4	25.9	38.9





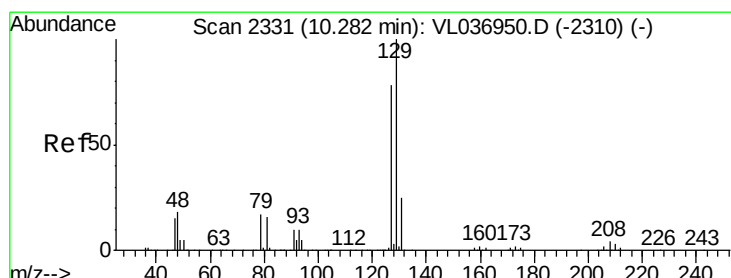
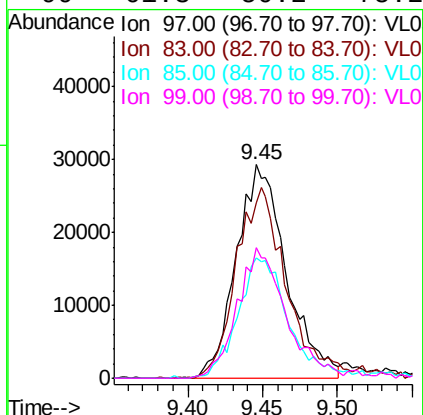
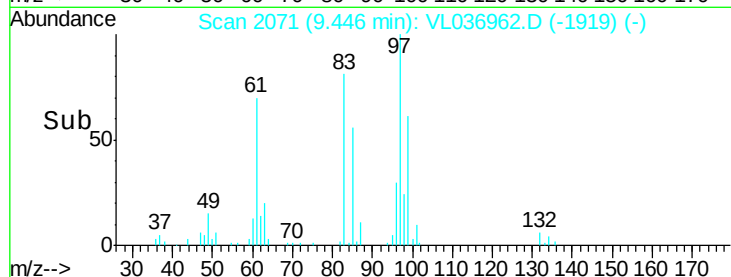
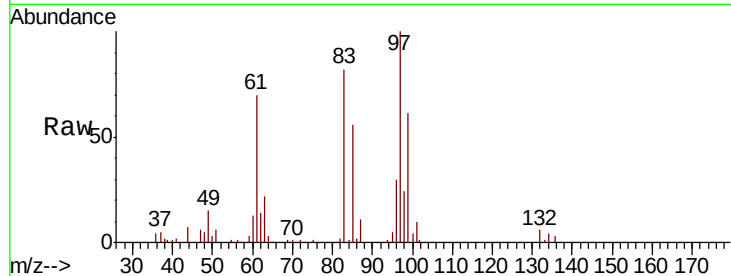
#47
 1,1,2-Trichloroethane
 Concen: 0.536 ppbv
 RT: 9.45 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VL036962.D
 Acq: 18 May 2021 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2021

Tot Ion:	97	Resp:	68258
Ion Ratio	Lower	Upper	
97	100		
83	81.1	70.4	105.6
85	56.2	45.5	68.3
99	61.3	50.2	75.2

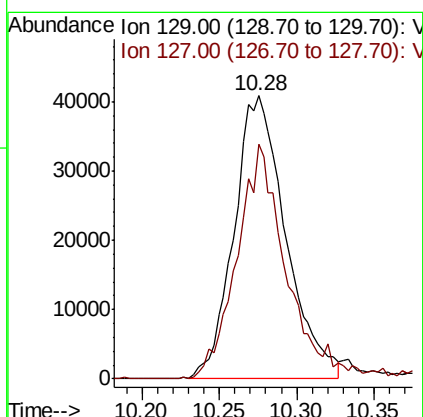
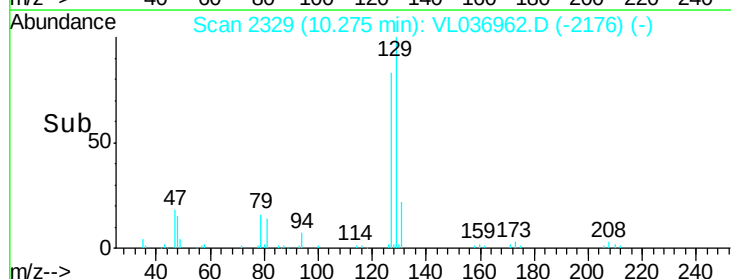
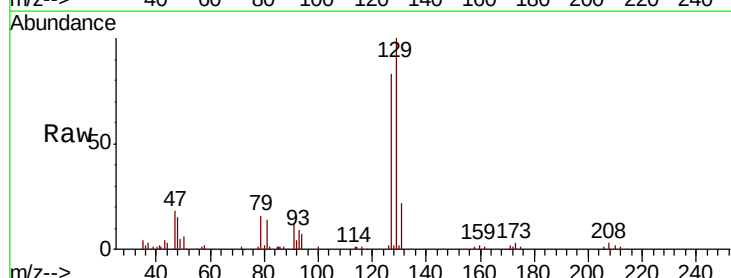
Manual Integrations
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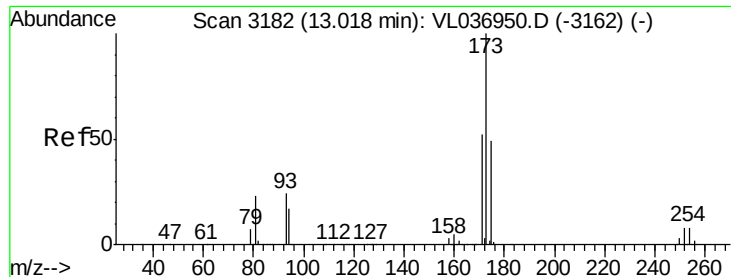
MMDadoda
 5/20/2021 5:54:50 PM



#48
 Dibromochloromethane
 Concen: 0.462 ppbv
 RT: 10.28 min Scan# 2329
 Delta R.T. -0.01 min
 Lab File: VL036962.D
 Acq: 18 May 2021 10:47

Tgt Ion:	129	Resp:	95199
Ion Ratio	Lower	Upper	
129	100		
127	82.0	39.3	117.8





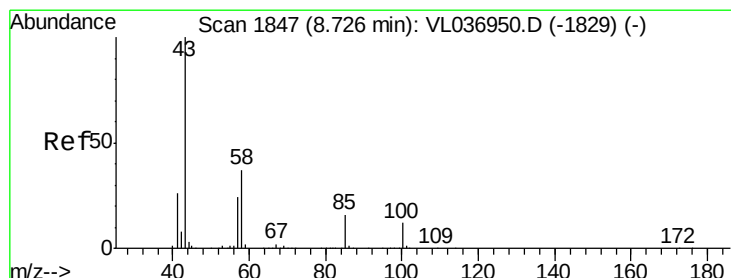
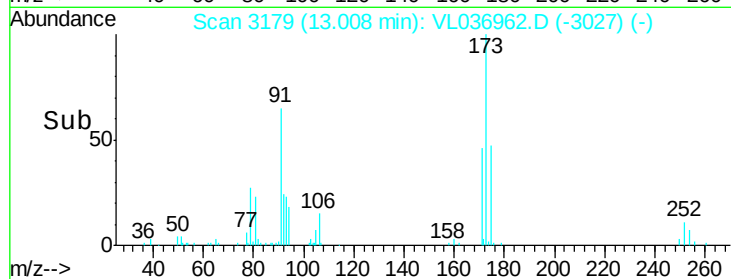
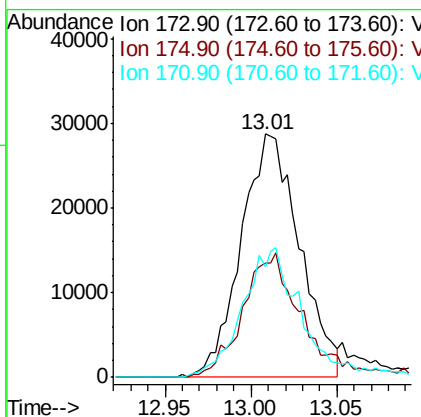
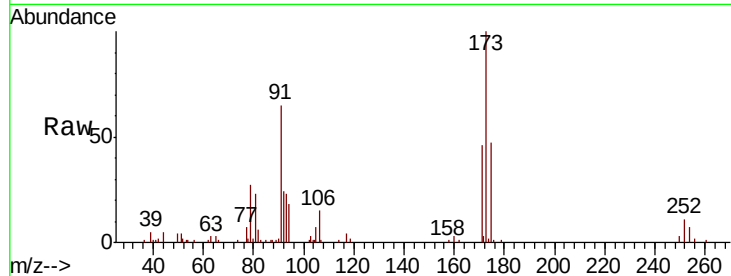
#49
Bromoform
Concen: 0.397 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. -0.01 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2021

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.6	40.4	60.6
171	54.0	42.6	64.0

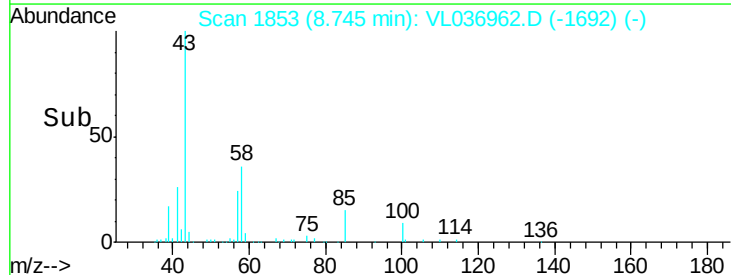
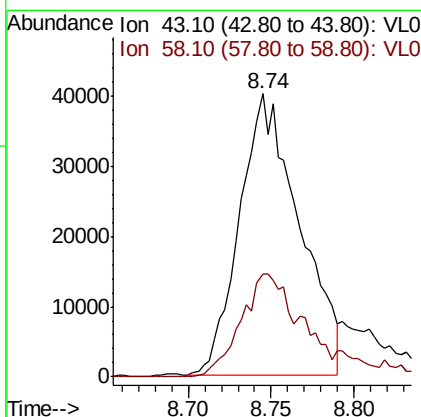
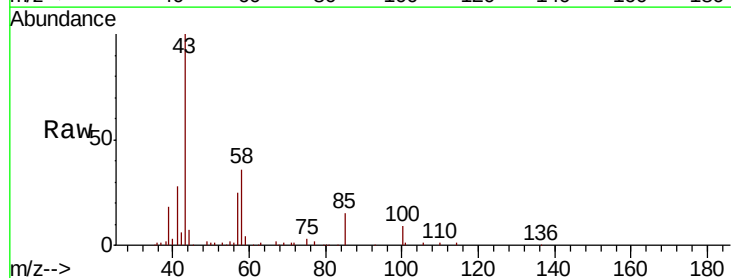
Manual Integrations
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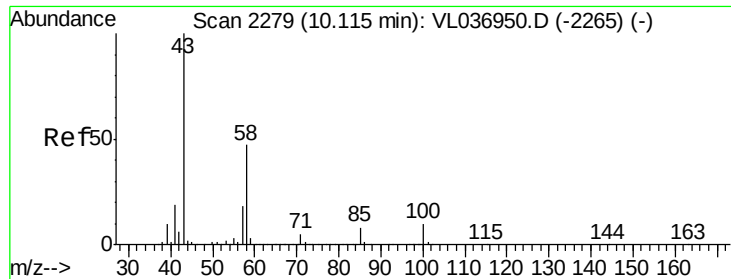
MMDadoda
5/20/2021 5:54:50 PM



#50
4-Methyl-2-Pentanone
Concen: 0.459 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. 0.02 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.7	29.4	44.2





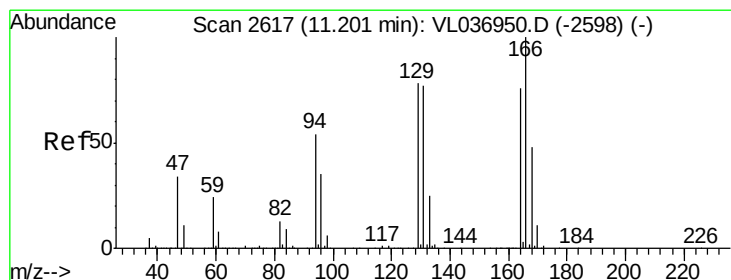
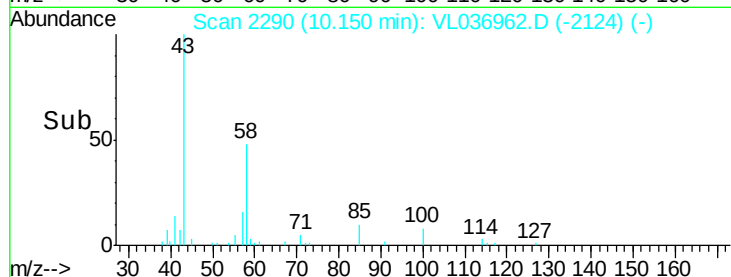
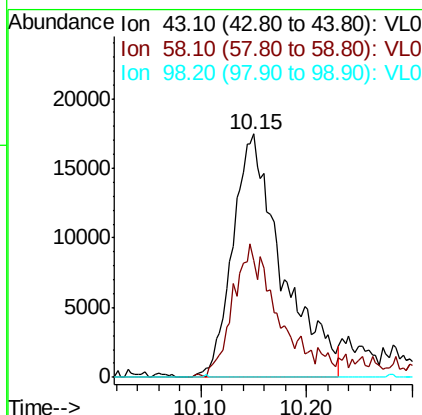
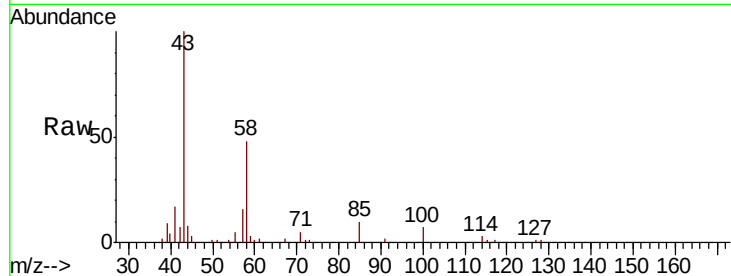
#51
2-Hexanone
Concen: 0.490 ppbv m
RT: 10.15 min Scan# 2290
Delta R.T. 0.04 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2021

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.8	41.1	61.7
98	0.0	0.1	0.1#

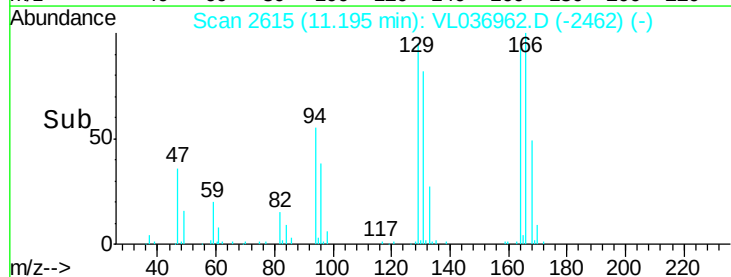
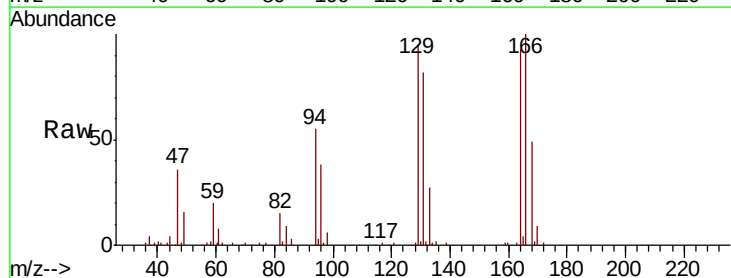
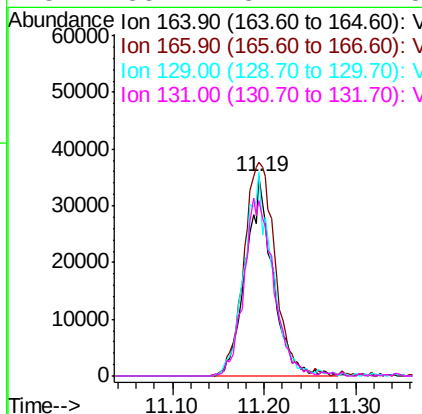
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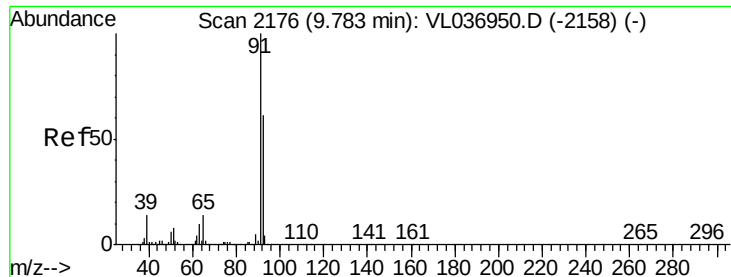
MMDadoda
5/20/2021 5:54:50 PM



#52
Tetrachloroethene
Concen: 0.577 ppbv m
RT: 11.19 min Scan# 2615
Delta R.T. -0.01 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	107.0	105.5	158.3
129	101.8	81.8	122.8
131	88.1	81.2	121.8





#53

Toluene

Concen: 0.529 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion: 91 Resp: 198828

Ion Ratio Lower Upper

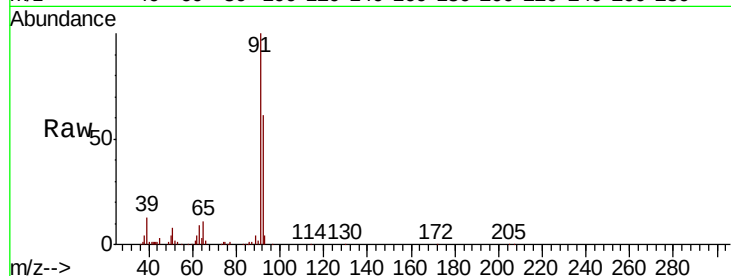
91 100

92 63.8 49.5 74.3

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.78

100000

80000

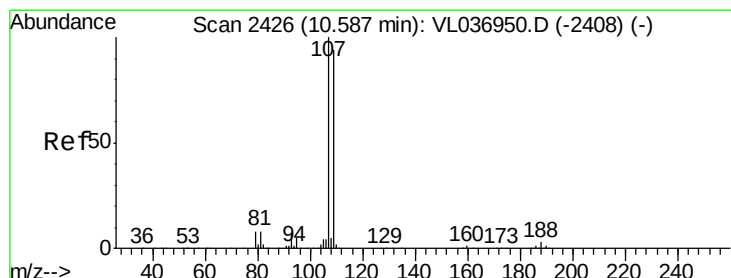
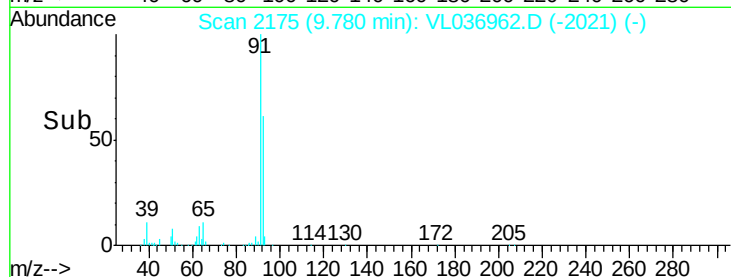
60000

40000

20000

0

Time--> 9.70 9.75 9.80



#54

1,2-Dibromoethane

Concen: 0.534 ppbv m

RT: 10.59 min Scan# 2426

Delta R.T. -0.00 min

Lab File: VL036962.D

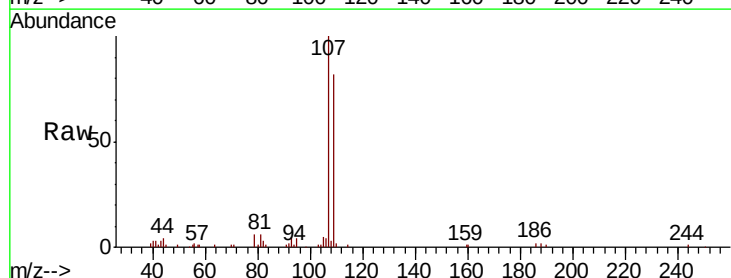
Acq: 18 May 2021 10:47

Tgt Ion: 107 Resp: 96691

Ion Ratio Lower Upper

107 100

109 82.5 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.59

40000

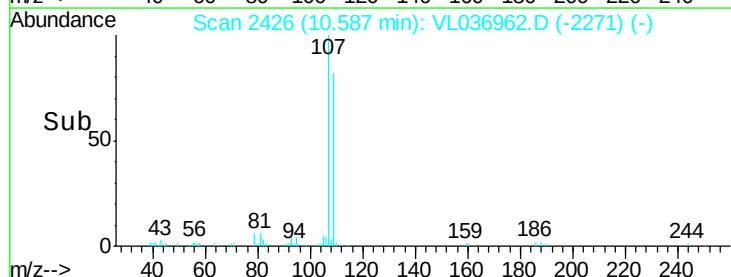
30000

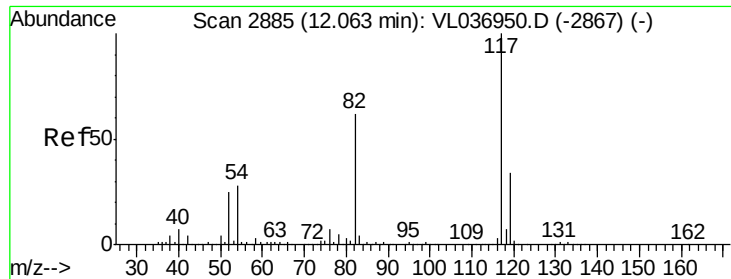
20000

10000

0

Time--> 10.50 10.60 10.70





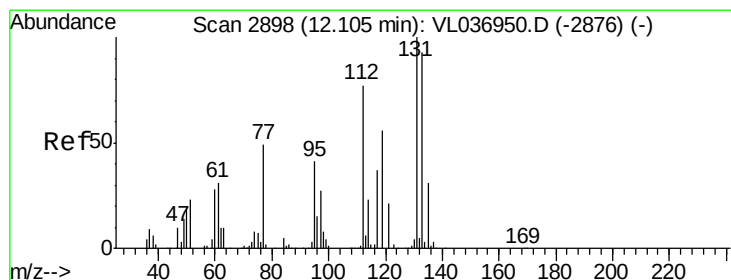
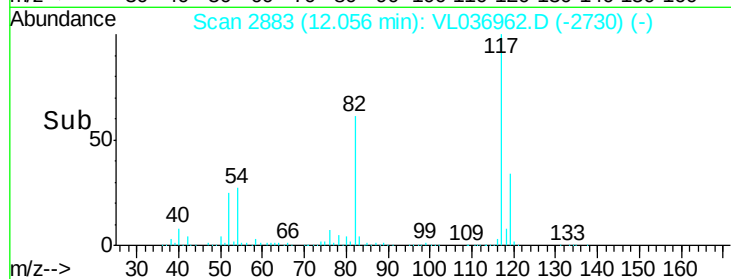
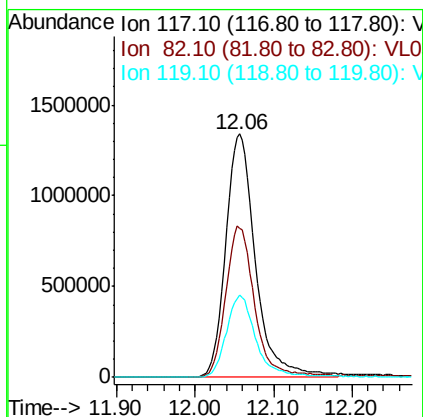
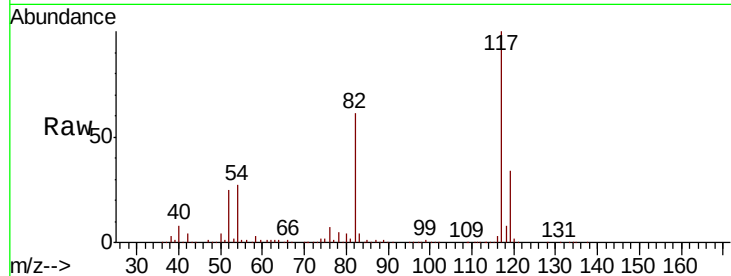
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.01 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2021

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.5	52.6	79.0
119	34.7	46.6	70.0#

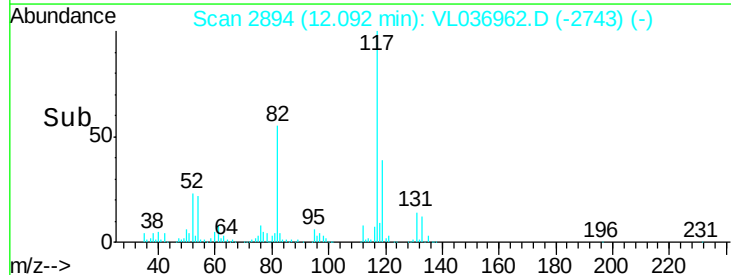
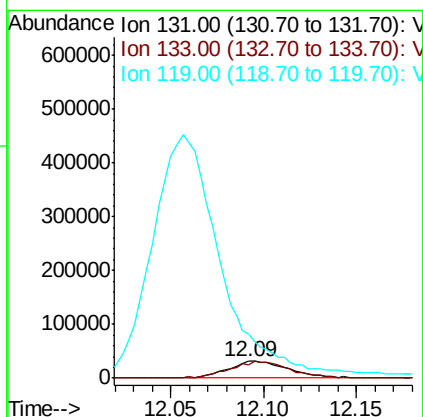
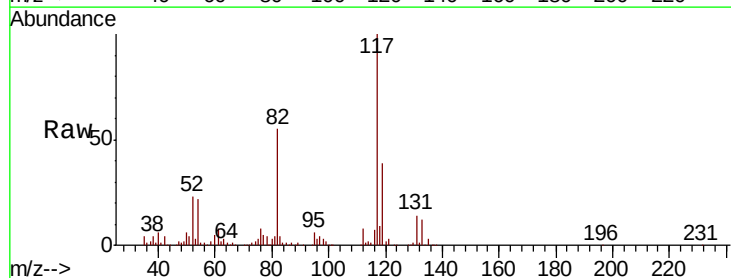
Manual Integrations
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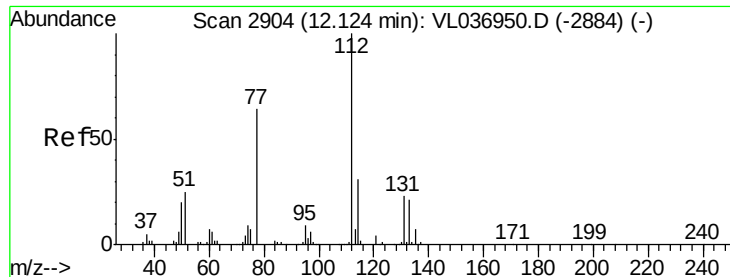
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.458 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	107.6	76.9	115.3
119	0.0	120.2	180.4#





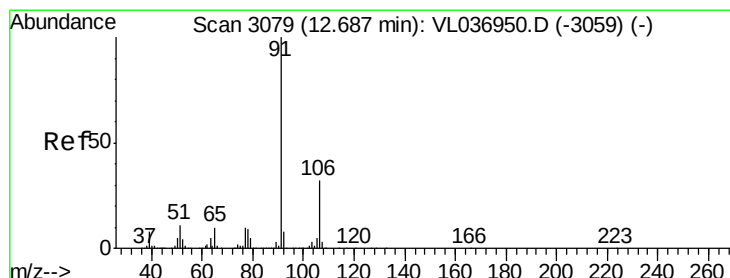
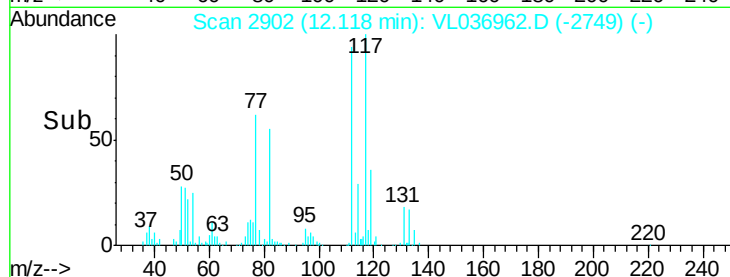
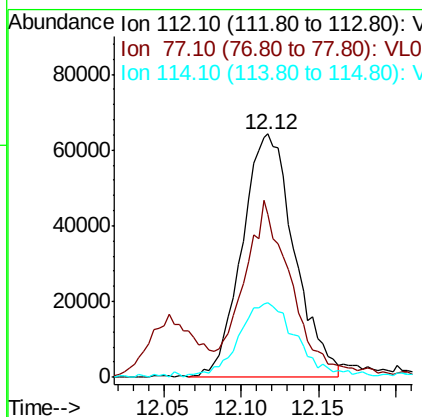
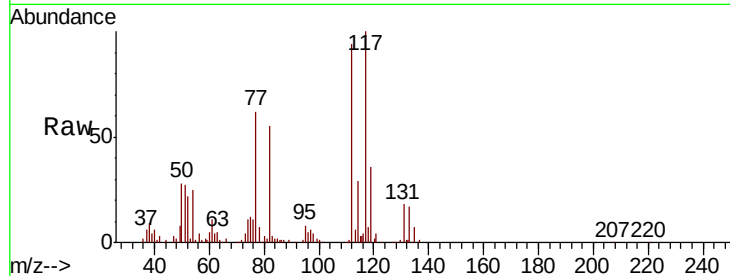
#57
Chlorobenzene
Concen: 0.554 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2021

Tot Ion	Ratio	Resp	Lower	Upper
112	100	150986		
77	61.8		51.0	76.6
114	29.9		28.3	34.5

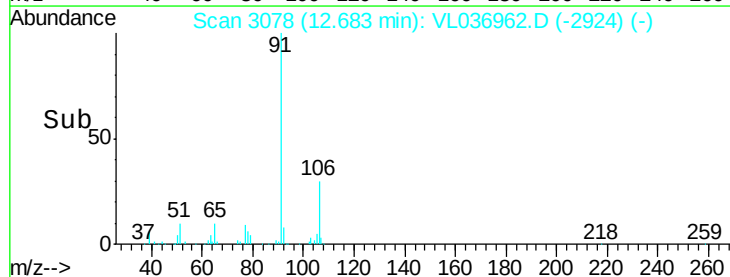
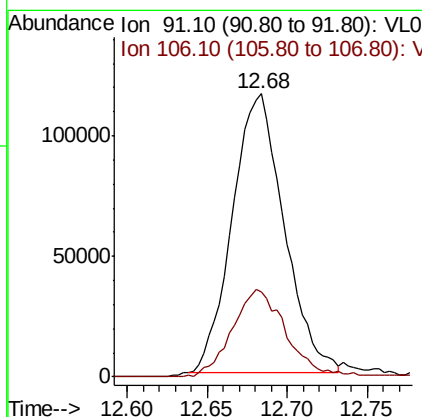
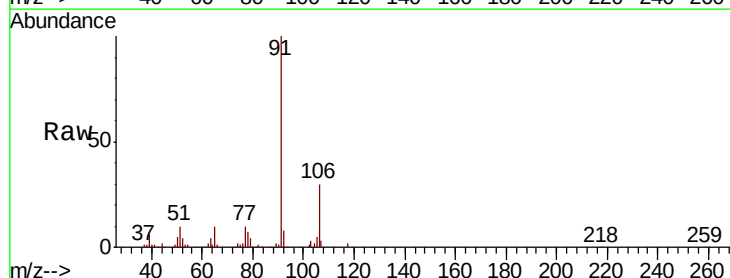
Manual Integrations
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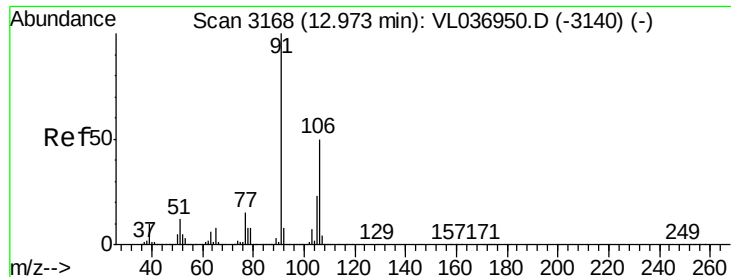
MMDadoda
5/20/2021 5:54:50 PM



#58
Ethyl Benzene
Concen: 0.515 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.00 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	255480		
106	30.2		25.6	38.4





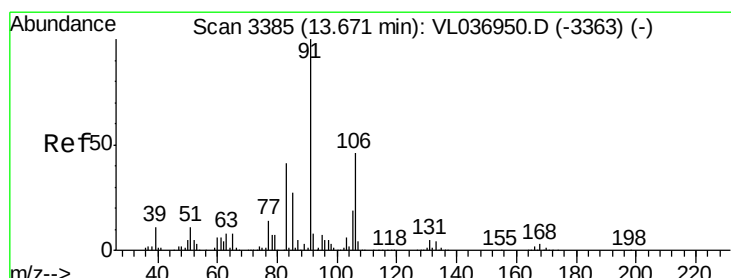
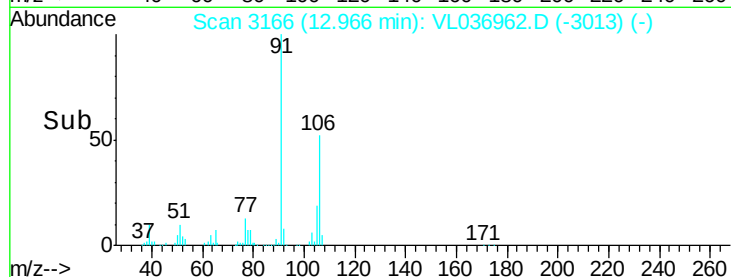
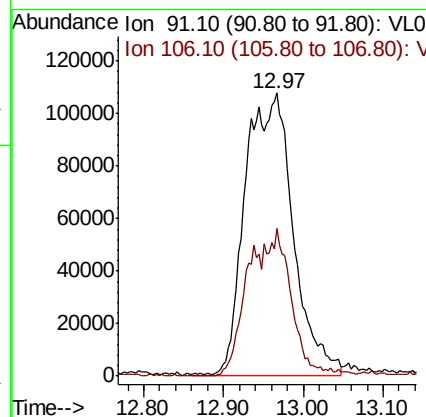
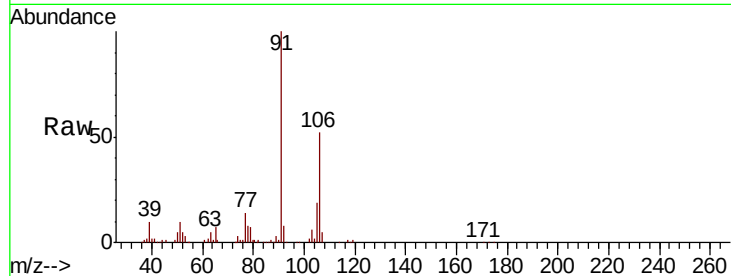
#59
m/p-Xylene
Concen: 1.104 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2021

Tot Ion: 91 Resp: 452541
Ion Ratio Lower Upper
91 100
106 47.6 37.4 56.2

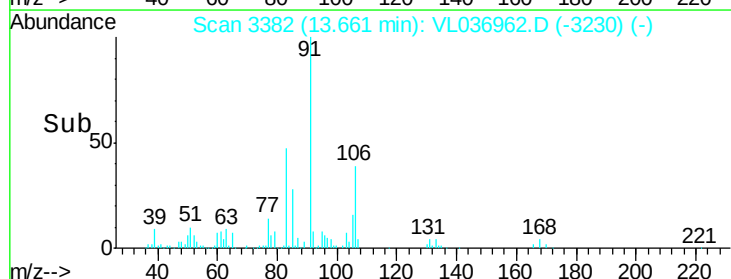
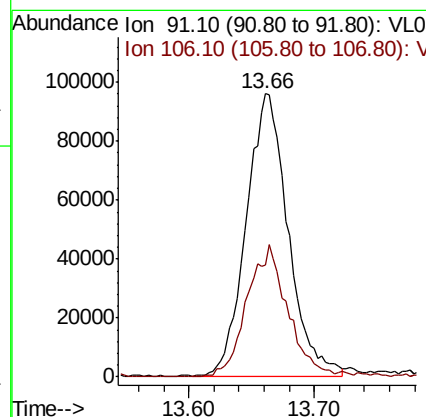
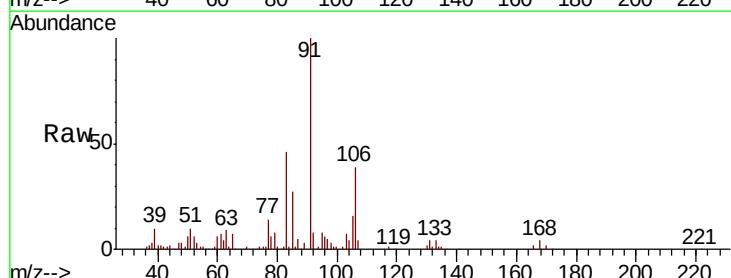
Manual Integrations
APPROVED

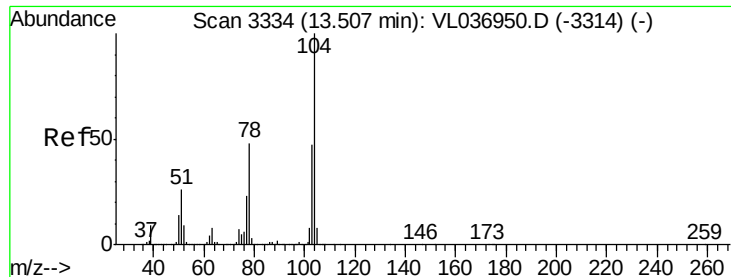
MMDadoda
5/20/2021 5:54:50 PM



#60
o-Xylene
Concen: 0.568 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. -0.01 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Tgt Ion: 91 Resp: 221896
Ion Ratio Lower Upper
91 100
106 47.1 23.4 70.3





#61

Stvrene

Concen: 0.490 ppbv m

RT: 13.50 min Scan# 3331

Delta R.T. -0.01 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

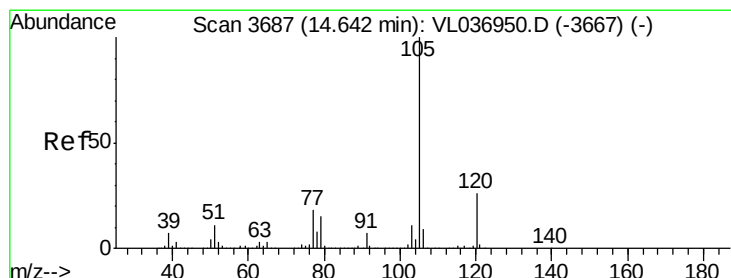
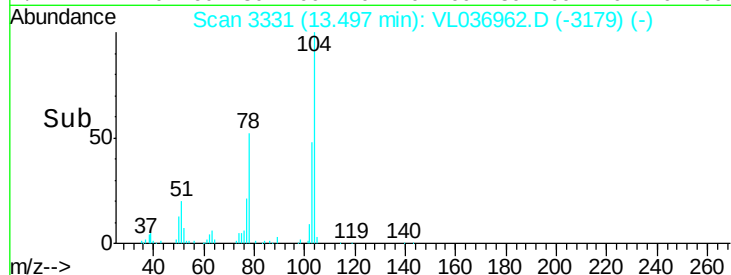
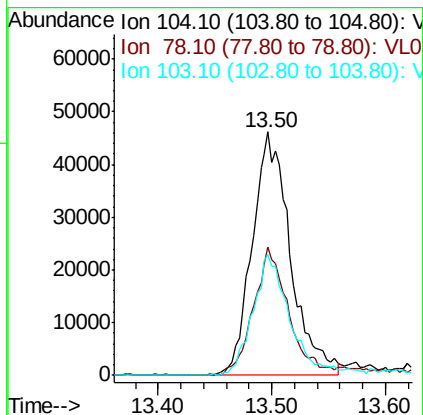
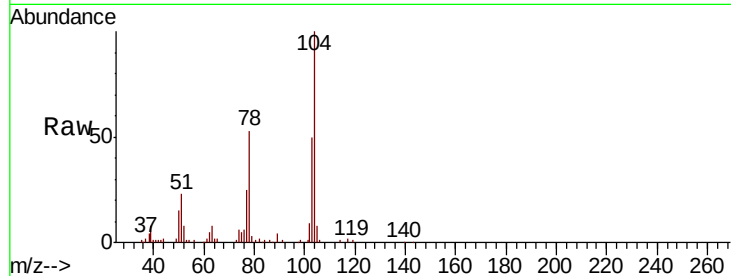
ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion:	104	Resp:	107921
Ion Ratio	Lower	Upper	
104	100		
78	50.5	39.0	58.6
103	48.3	38.0	57.0

Manual Integrations
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#62

Isopropylbenzene

Concen: 0.541 ppbv

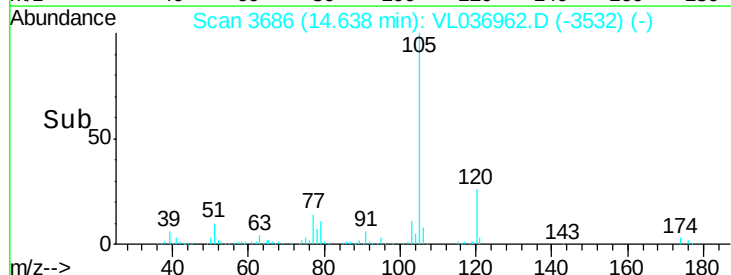
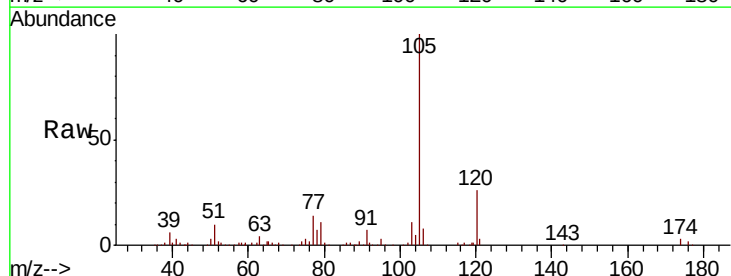
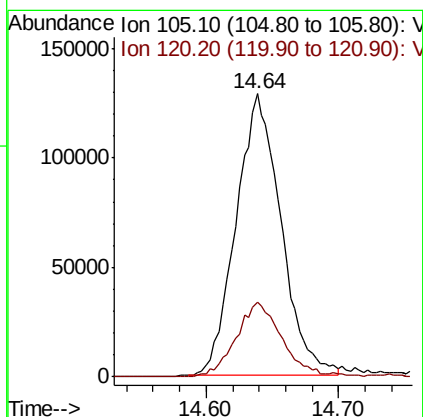
RT: 14.64 min Scan# 3686

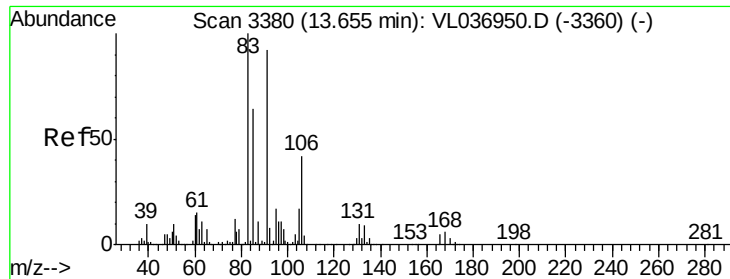
Delta R.T. -0.00 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Tgt Ion:	105	Resp:	303709
Ion Ratio	Lower	Upper	
105	100		
120	27.7	21.7	32.5





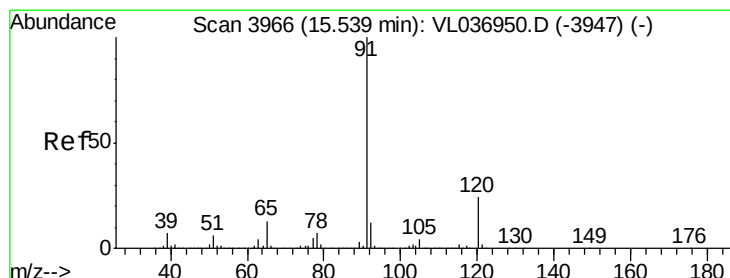
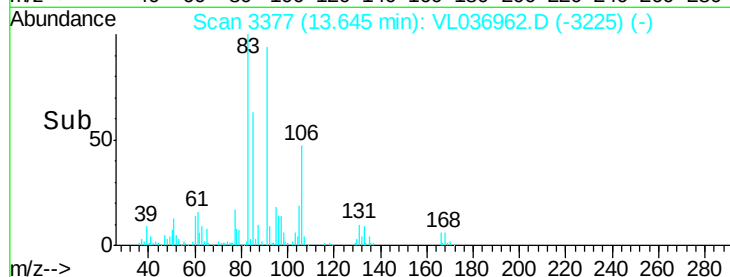
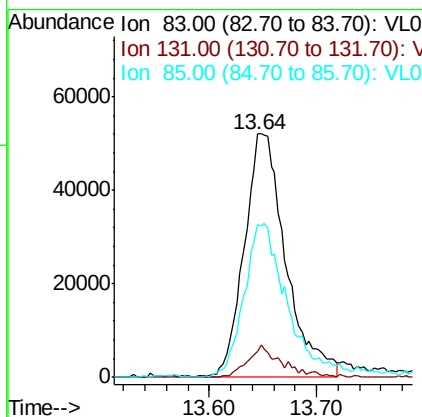
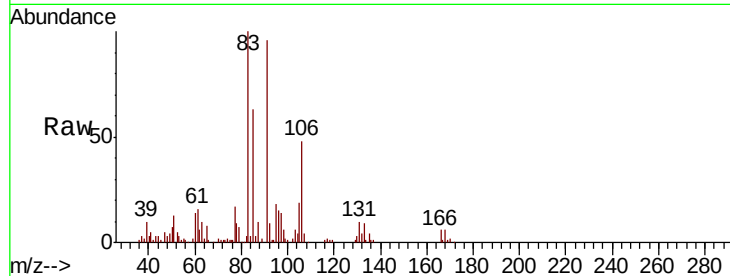
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.482 ppbv m
 RT: 13.64 min Scan# 3377
 Delta R.T. -0.01 min
 Lab File: VL036962.D
 Acq: 18 May 2021 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2021

Tot Ion	83	Resp	140814
Ion Ratio	100	Lower	Upper
83	100		
131	11.1	5.0	15.0
85	67.3	32.9	98.6

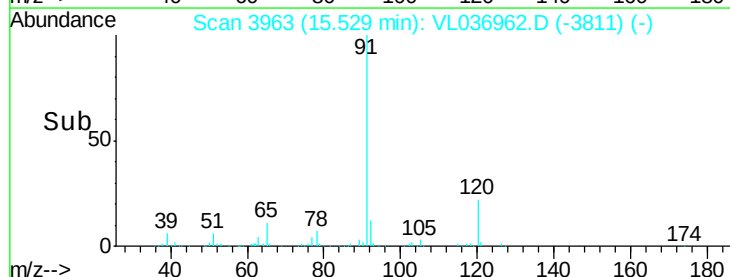
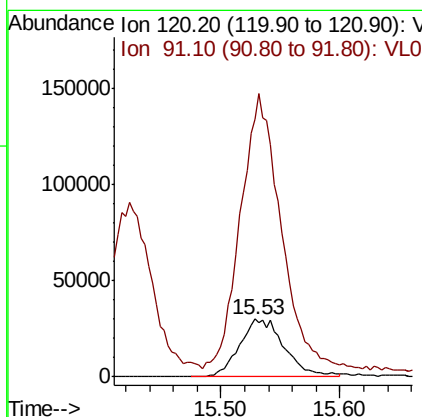
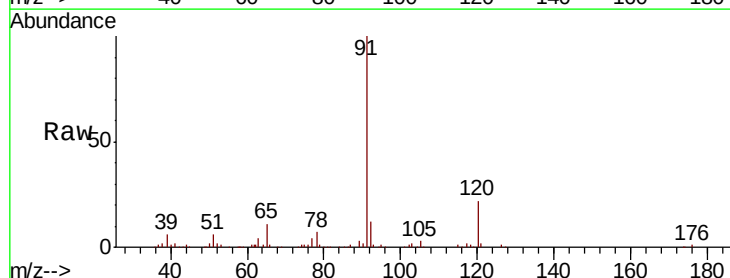
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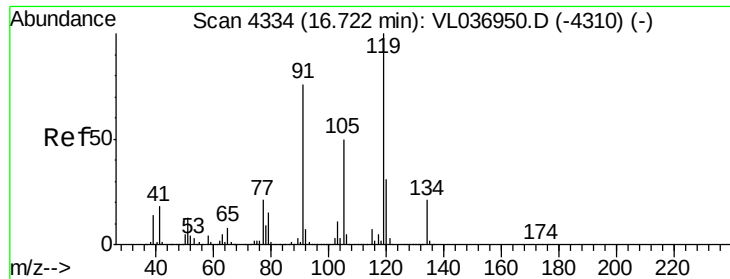
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#64
 n-propylbenzene
 Concen: 0.540 ppbv m
 RT: 15.53 min Scan# 3963
 Delta R.T. -0.01 min
 Lab File: VL036962.D
 Acq: 18 May 2021 10:47

Tgt Ion	120	Resp	78184
Ion Ratio	100	Lower	Upper
120	100		
91	467.9	343.8	515.6





#65

tert-Butylbenzene

Concen: 0.573 ppbv

RT: 16.72 min Scan# 4333

Delta R.T. -0.00 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

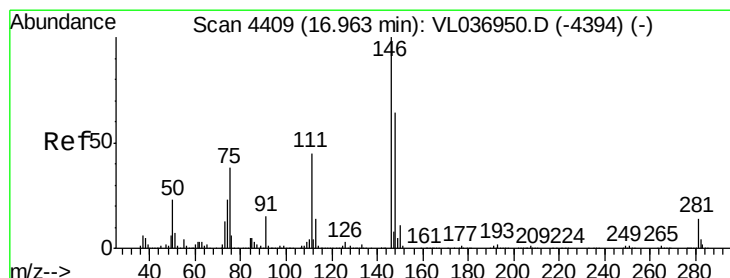
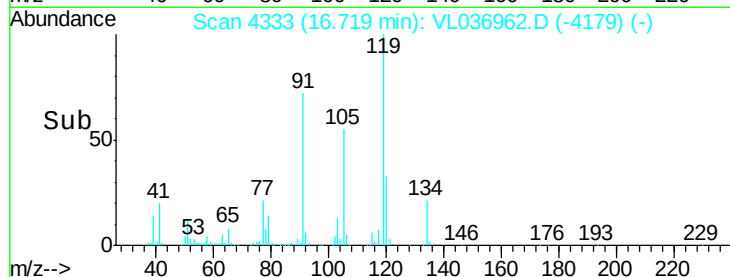
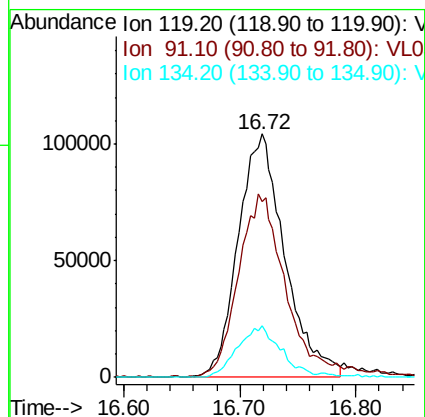
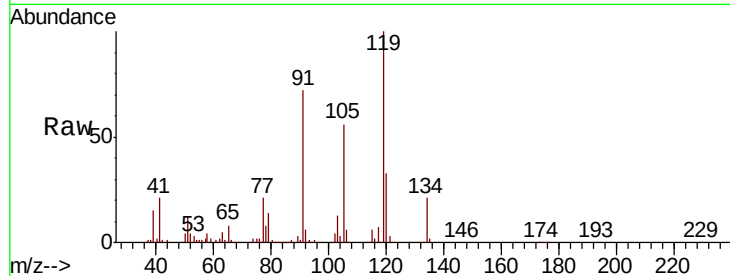
ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion:	119	Resp:	290523
Ion Ratio	Lower	Upper	
119	100		
91	79.7	61.9	92.9
134	20.5	16.2	24.4

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#66

Benzyl Chloride

Concen: 0.398 ppbv m

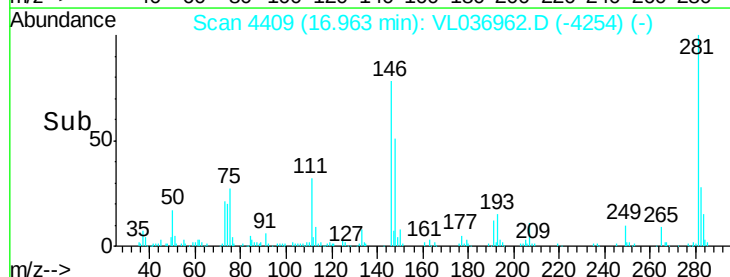
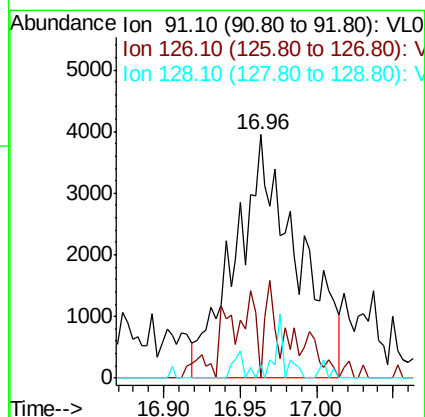
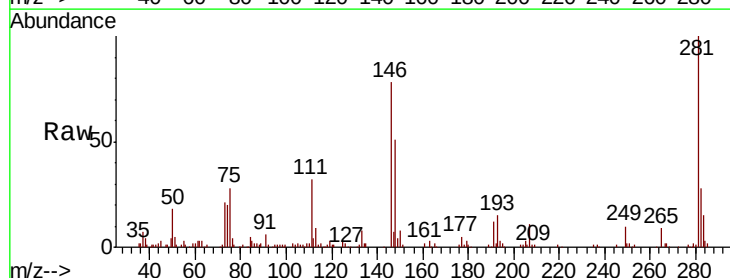
RT: 16.96 min Scan# 4409

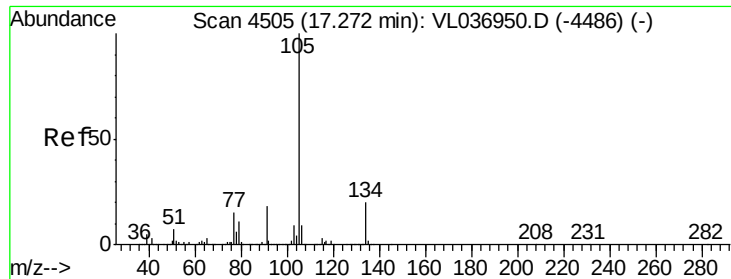
Delta R.T. -0.00 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Tgt Ion:	91	Resp:	11180
Ion Ratio	Lower	Upper	
91	100		
126	22.7	16.5	24.7
128	6.2	5.5	8.3





#67

sec-Butylbenzene

Concen: 0.546 ppbv

RT: 17.26 min Scan# 4502

Delta R.T. -0.01 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion: 105 Resp: 377671

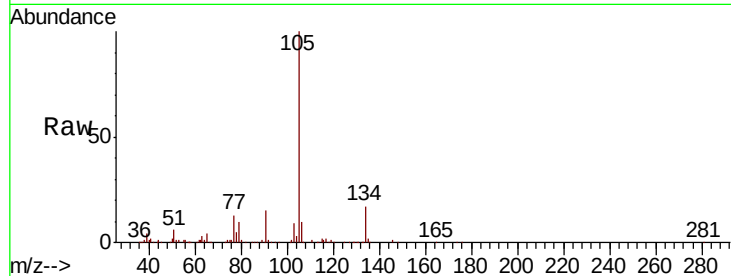
Ion Ratio Lower Upper

105 100

134 19.7 15.6 23.4

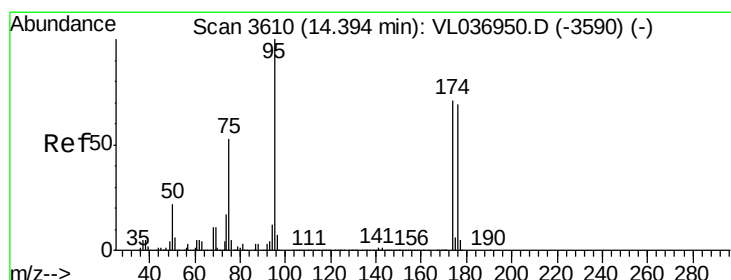
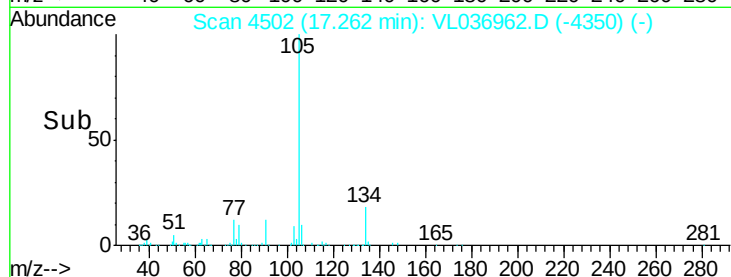
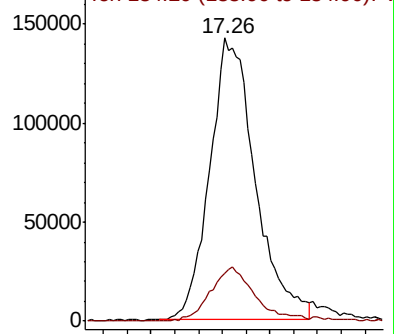
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.949 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.01 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

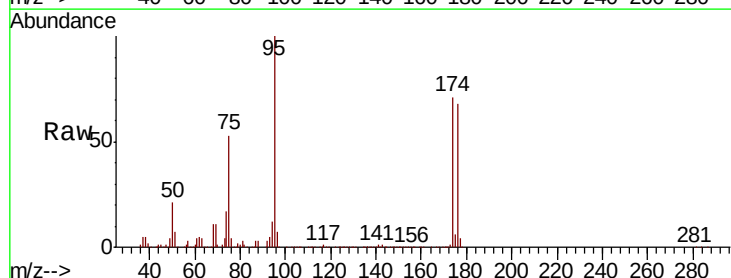
Tgt Ion: 95 Resp: 2624865

Ion Ratio Lower Upper

95 100

174 74.7 58.4 87.6

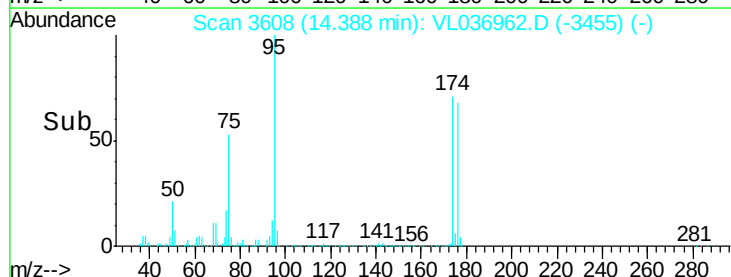
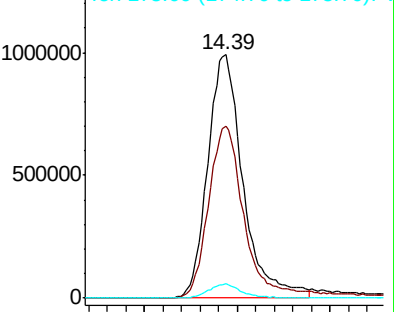
175 5.7 4.4 6.6

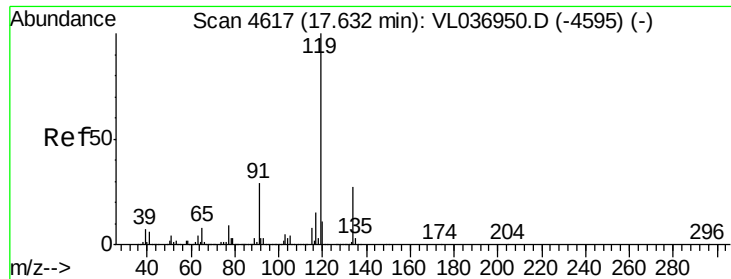


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





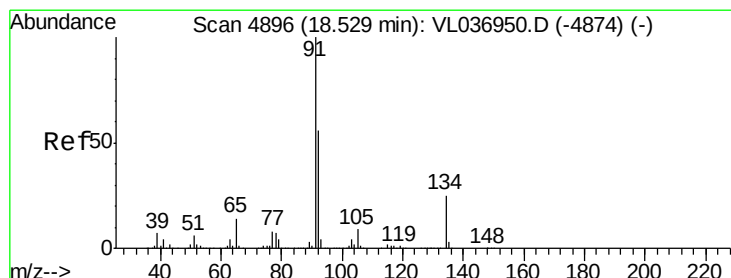
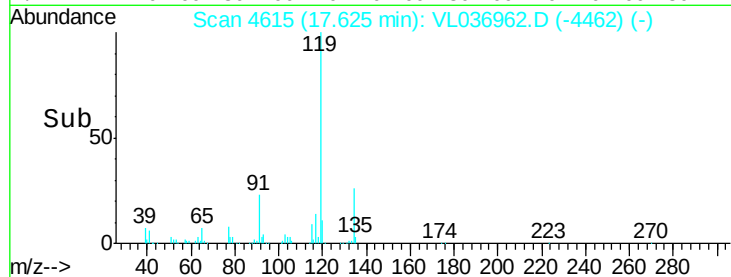
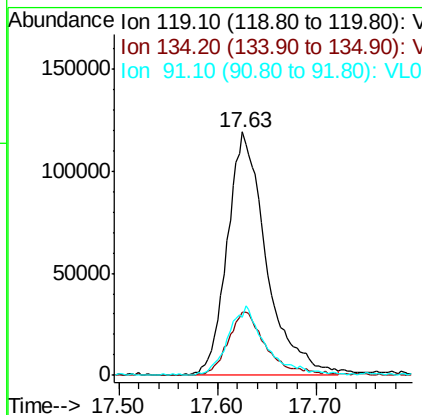
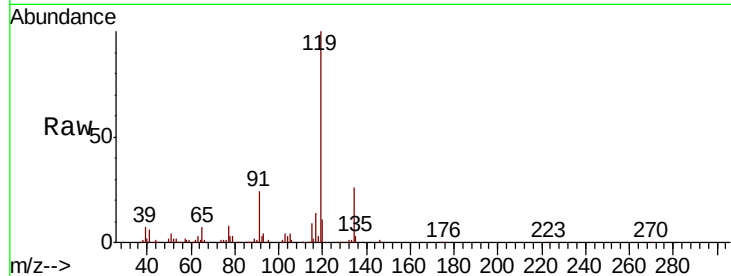
#69
 p-Isopropyltoluene
 Concen: 0.549 ppbv
 RT: 17.63 min Scan# 4615
 Delta R.T. -0.01 min
 Lab File: VL036962.D
 Acq: 18 May 2021 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2021

Tot Ion	Ratio	Resp	Lower	Upper
119	100	326605		
134	26.2		21.2	31.8
91	26.9		22.2	33.4

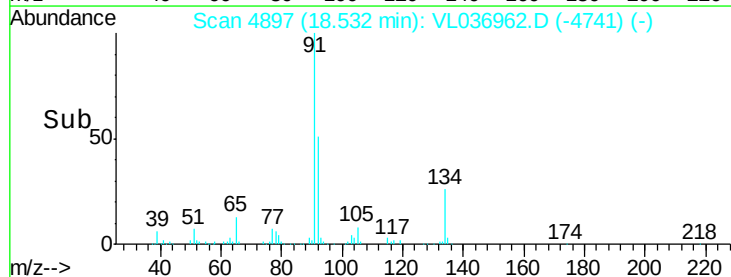
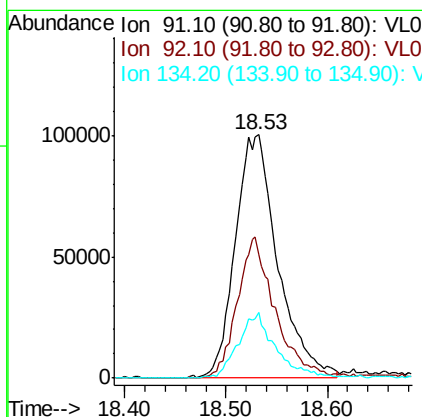
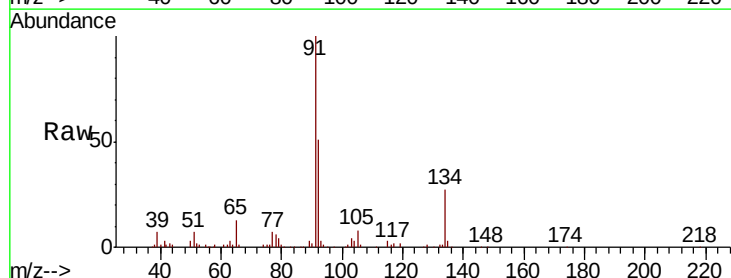
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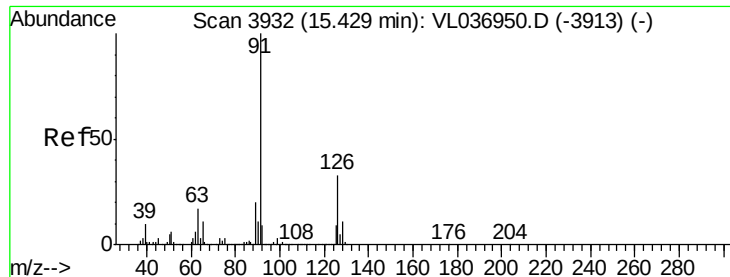
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#70
 n-Butylbenzene
 Concen: 0.519 ppbv m
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL036962.D
 Acq: 18 May 2021 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	292900		
92	0.0		44.6	66.8#
134	0.0		20.2	30.2#





#71

2-Chlorotoluene

Concen: 0.540 ppbv

RT: 15.42 min Scan# 3930

Delta R.T. -0.01 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion: 91 Resp: 219167

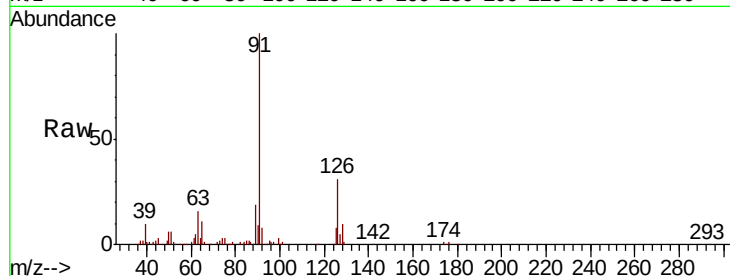
Ion Ratio Lower Upper

91 100

126 33.3 13.1 52.5

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Abundance Ion 91.10 (90.80 to 91.80): VL036962.D (-3777) (-)

Ion 126.10 (125.80 to 126.80): VL036962.D (-3777) (-)

15.42

100000

80000

60000

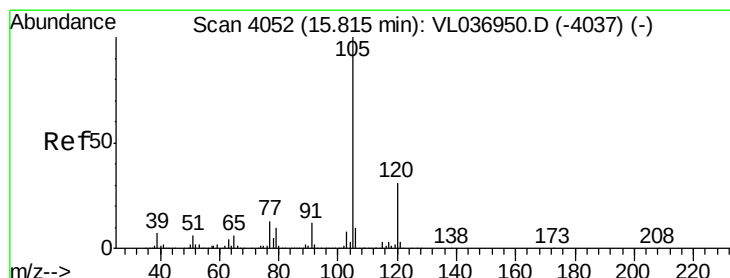
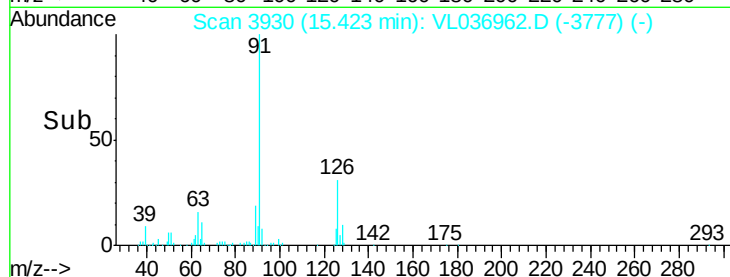
40000

20000

0

15.35 15.40 15.45 15.50

Time-->



#72

4-Ethyltoluene

Concen: 0.499 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.00 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Tgt Ion: 105 Resp: 231409

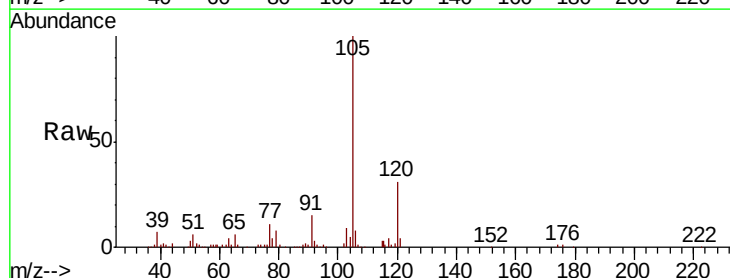
Ion Ratio Lower Upper

105 100

120 33.0 24.6 37.0

91 14.2 9.8 14.6

77 15.3 10.4 15.6



Abundance Ion 105.10 (104.80 to 105.80): VL036962.D (-3897) (-)

Ion 120.20 (119.90 to 120.90): VL036962.D (-3897) (-)

Ion 91.10 (90.80 to 91.80): VL036962.D (-3897) (-)

Ion 77.10 (76.80 to 77.80): VL036962.D (-3897) (-)

15.81

150000

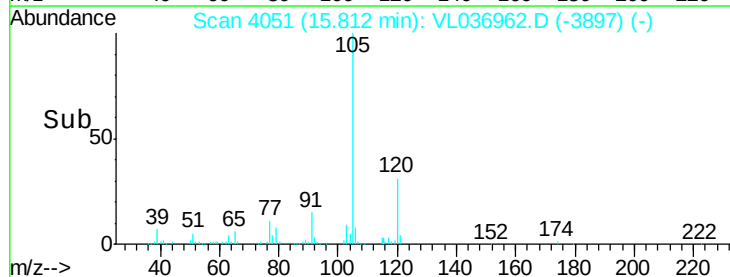
100000

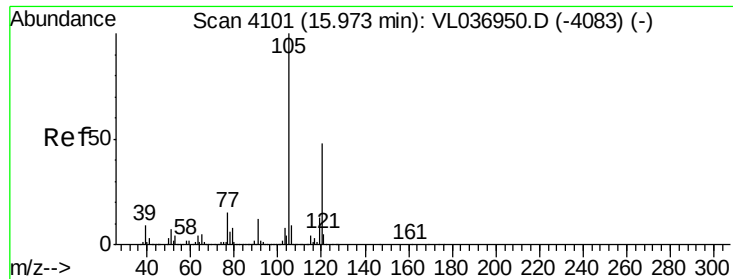
50000

0

15.75 15.80 15.85

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 0.515 ppbv

RT: 15.97 min Scan# 4099

Delta R.T. -0.01 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion:105 Resp: 224414

Ion Ratio Lower Upper

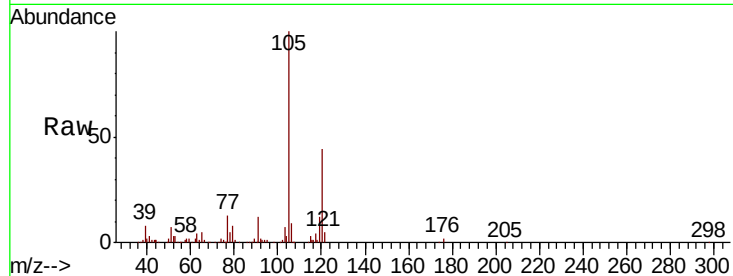
105 100

120 44.3 38.6 58.0

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.97

100000

80000

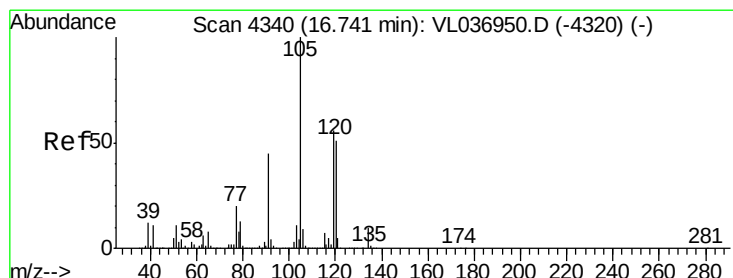
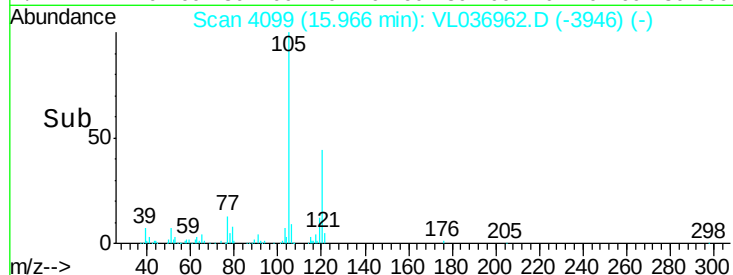
60000

40000

20000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.553 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. -0.01 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Tgt Ion:105 Resp: 248823

Ion Ratio Lower Upper

105 100

120 50.3 40.6 61.0

91 52.8 37.4 56.0

77 20.7 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

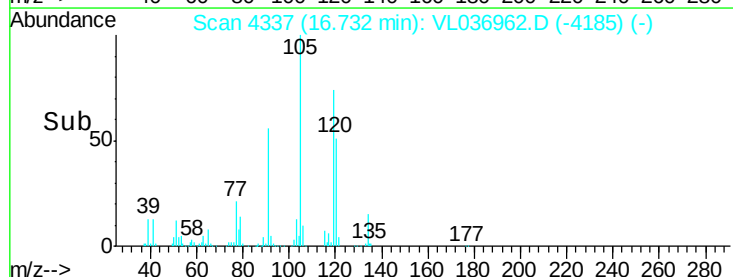
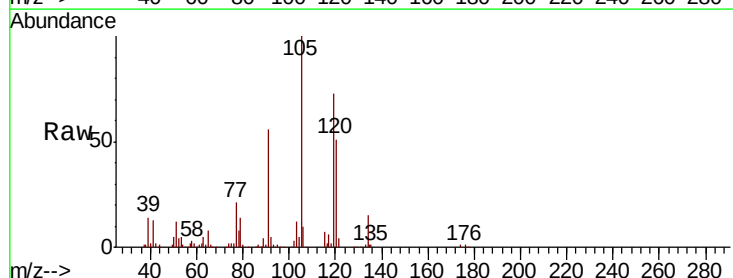
150000

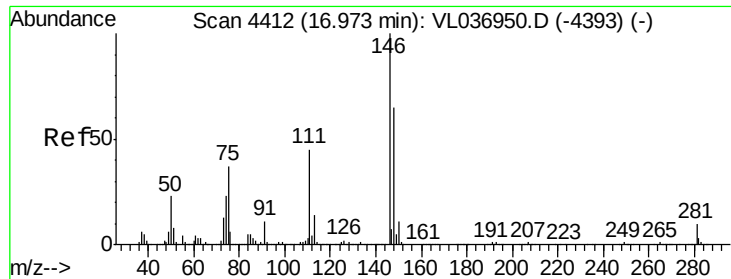
100000

50000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 0.498 ppbv

RT: 16.97 min Scan# 4410

Delta R.T. -0.01 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Instrument :

MSVOA_L

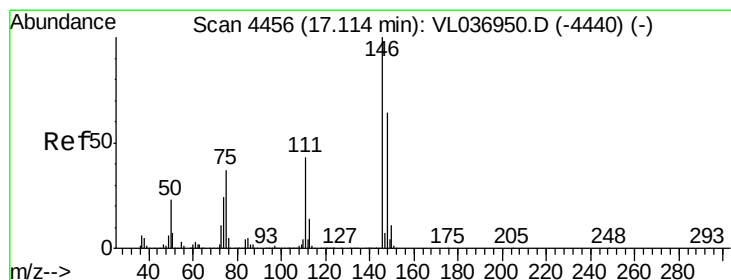
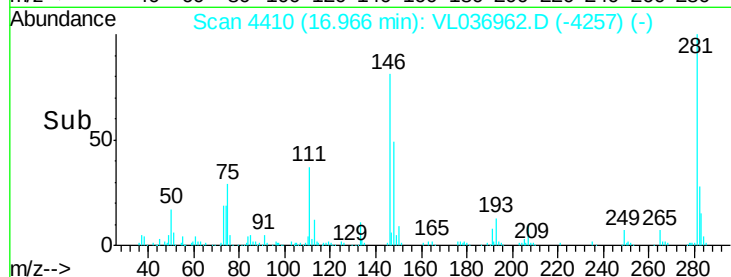
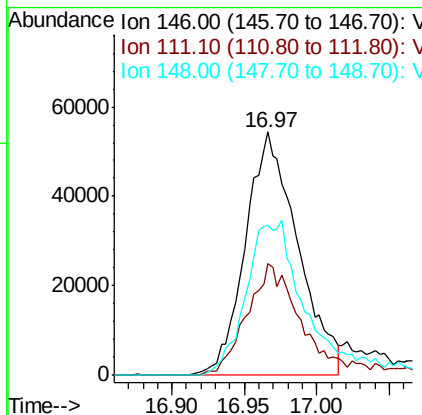
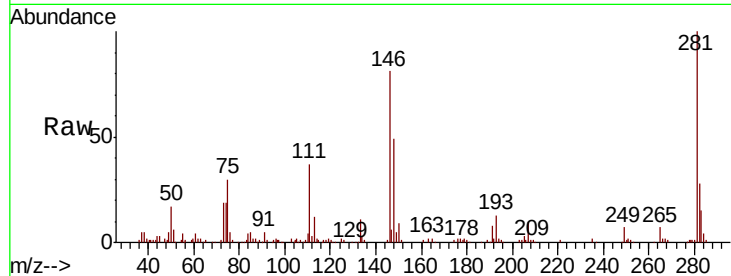
ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion:	146	Resp:	136818
Ion Ratio	Lower	Upper	
146	100		
111	49.0	22.2	66.6
148	72.6	32.3	96.8

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#76

1,4-Dichlorobenzene

Concen: 0.562 ppbv m

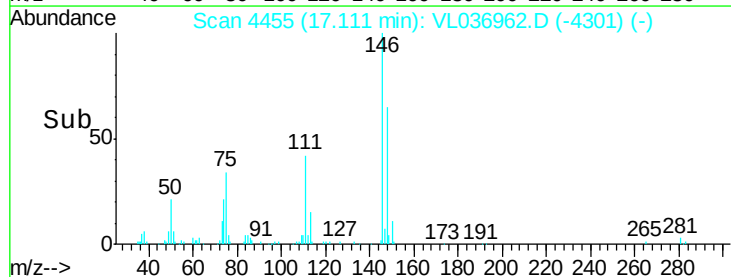
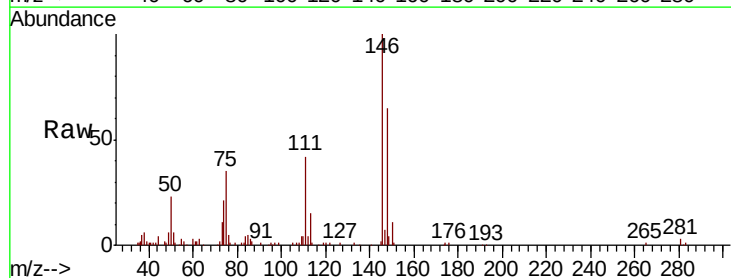
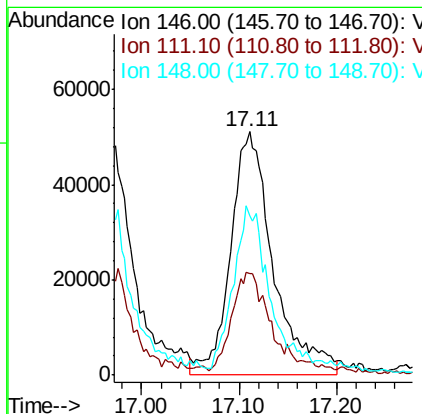
RT: 17.11 min Scan# 4455

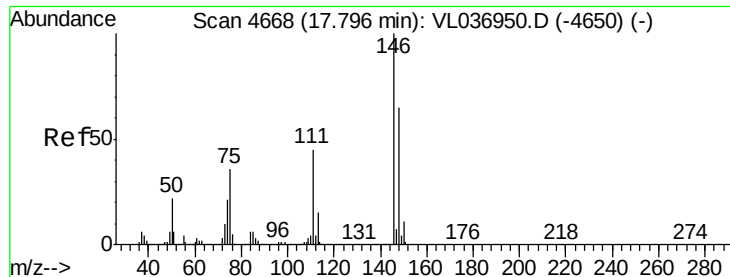
Delta R.T. -0.00 min

Lab File: VL036962.D

Acq: 18 May 2021 10:47

Tgt Ion:	146	Resp:	156279
Ion Ratio	Lower	Upper	
146	100		
111	42.8	22.6	67.7
148	62.9	33.5	100.5





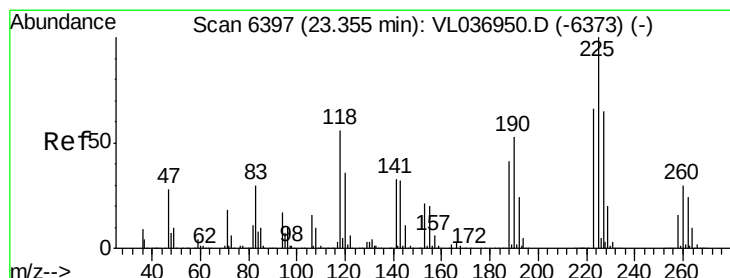
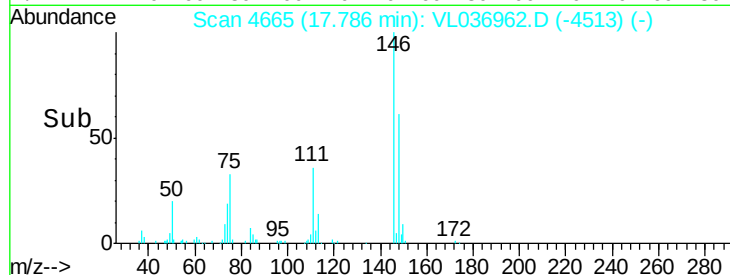
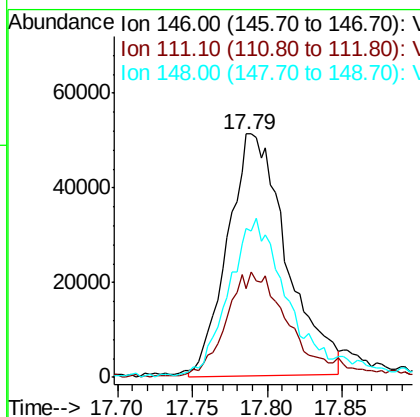
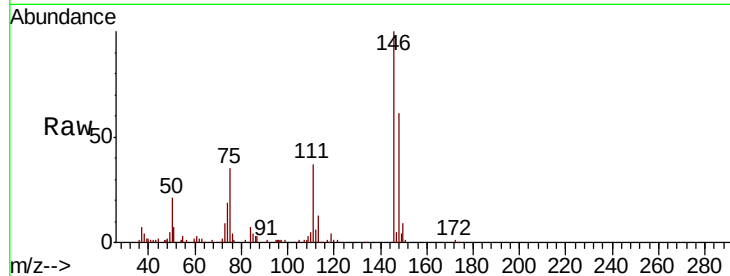
#77
 1,2-Dichlorobenzene
 Concen: 0.510 ppbv
 RT: 17.79 min Scan# 4665
 Delta R.T. -0.01 min
 Lab File: VL036962.D
 Acq: 18 May 2021 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2021

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.7	23.1	69.2
148	69.5	32.5	97.4

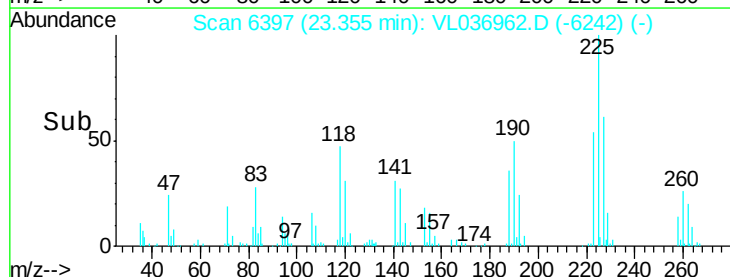
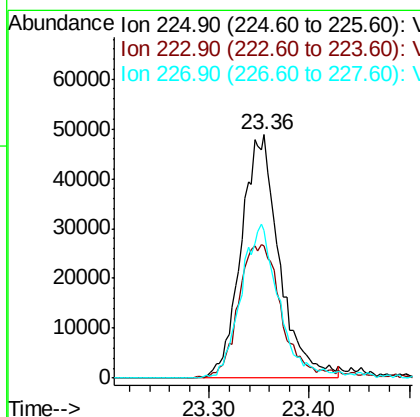
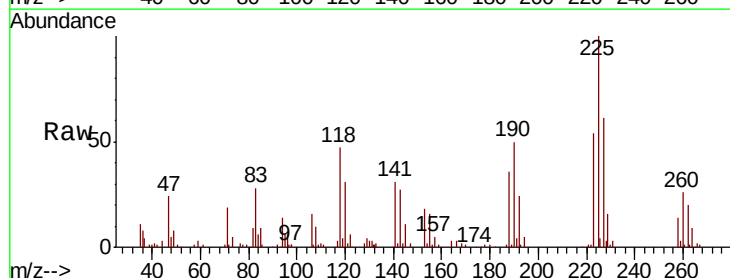
Manual Integrations
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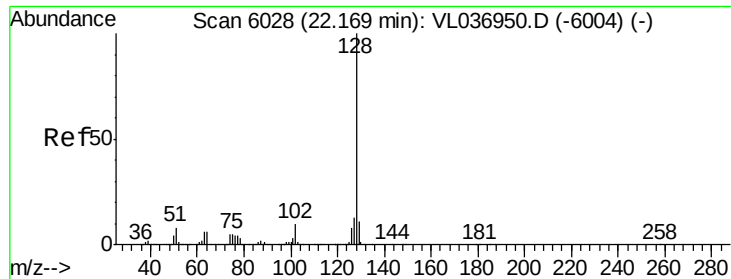
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.587 ppbv m
 RT: 23.36 min Scan# 6397
 Delta R.T. -0.00 min
 Lab File: VL036962.D
 Acq: 18 May 2021 10:47

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





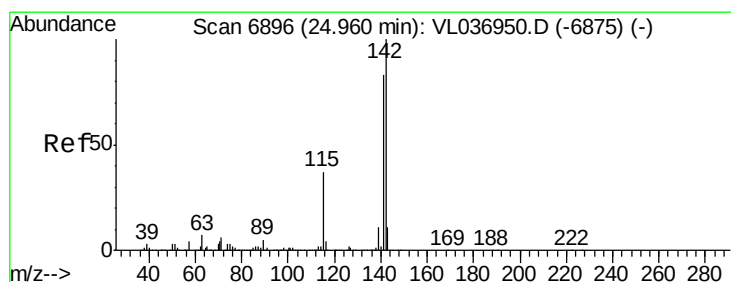
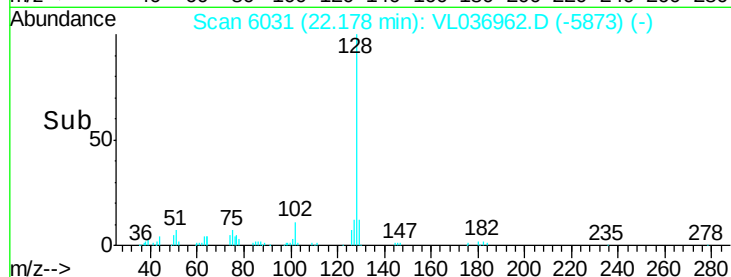
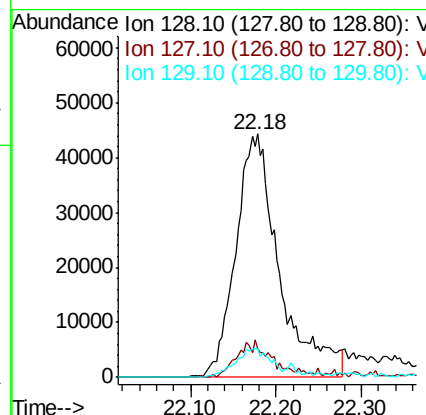
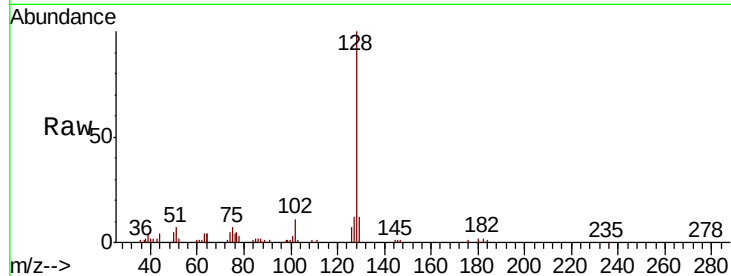
#79
Naphthalene
Concen: 0.445 ppbv m
RT: 22.18 min Scan# 6031
Delta R.T. 0.01 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2021

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.4	15.6
129	11.7	9.0	13.6

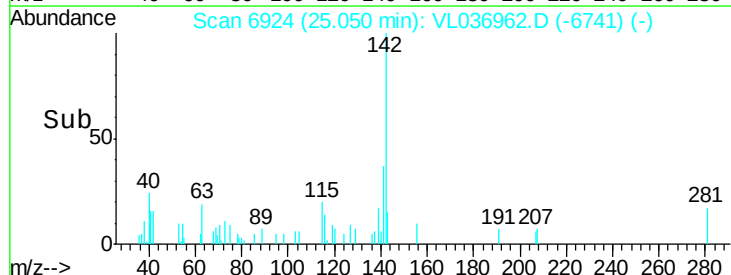
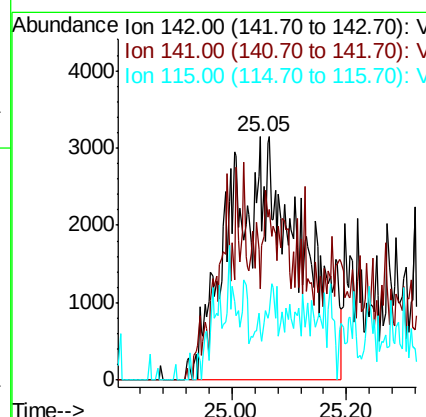
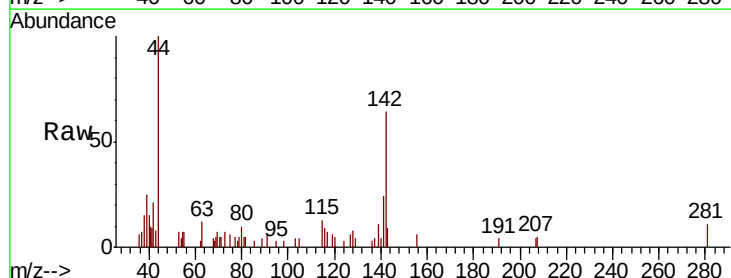
Manual Integrations
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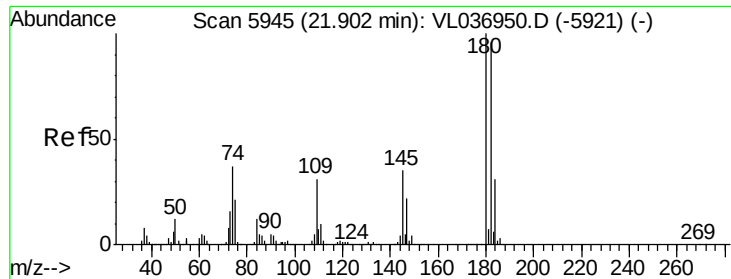
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#80
Naphthalene, 2-methyl-
Concen: 0.348 ppbv m
RT: 25.05 min Scan# 6924
Delta R.T. 0.09 min
Lab File: VL036962.D
Acq: 18 May 2021 10:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	18.6	69.3	103.9#
115	12.7	29.1	43.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.478 ppbv m
 RT: 21.90 min Scan# 5945
 Delta R.T. -0.00 min
 Lab File: VL036962.D
 Acq: 18 May 2021 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2021

Tot Ion:	180	Resp:	102955
Ion Ratio	Lower	Upper	
180	100		
182	95.1	81.7	122.5
184	31.1	24.9	37.3

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