

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037348.D
 Acq On : 6 Aug 2021 17:25
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080621

Manual Integrations
 APPROVED

MMDadoda
 8/10/2021 6:09:40 PM

Quant Time: Aug 06 18:54:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 06 2021
 QLast Update : Fri Aug 06 17:52:04 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	979393	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3263172	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2910153m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2164161	10.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2266658	10.215	ppbv	97
3) Chlorodifluoromethane	2.98	51	1819722	9.317	ppbv	99
4) Chloromethane	3.13	50	639987	9.587	ppbv	99
5) Vinyl Chloride	3.25	62	719096	8.921	ppbv	97
6) Bromomethane	3.47	94	398106	9.901	ppbv	94
7) Chloroethane	3.55	64	258595	9.575	ppbv	92
8) Dichlorotetrafluoroethane	3.18	85	1774631	9.316	ppbv	99
9) Propene	3.01	41	620971	9.473	ppbv	100
10) Heptane	8.11	43	1530833	10.049	ppbv	99
11) Trichlorofluoromethane	3.94	101	1785916	9.386	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1293207	9.142	ppbv	100
13) Ethanol	3.61	45	94295	7.800	ppbv	98
14) Bromoethene	3.74	108	589929	9.802	ppbv	100
15) Acetone	3.84	43	835162	8.183	ppbv	100
16) 1,3-Butadiene	3.32	39	619359	9.028	ppbv	97
17) tert-Butyl alcohol	4.28	59	1047530	9.643	ppbv	99
18) 1,1-Dichloroethene	4.29	96	604564	9.823	ppbv	97
19) Isopropyl Alcohol	3.96	45	586634	9.497	ppbv	100
20) Methylene Chloride	4.34	84	511520	5.985	ppbv	97
21) Allyl Chloride	4.41	41	754044	8.935	ppbv	94
22) trans-1,2-Dichloroethene	4.88	96	573021	9.565	ppbv	96
23) Vinyl Acetate	5.07	43	1547275	10.924	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1279009	10.493	ppbv	98
25) Ethyl Acetate	5.67	43	2369152	9.384	ppbv	99
26) Hexane	5.68	57	1200059	8.413	ppbv	99
27) Carbon Disulfide	4.55	76	1360926	10.989	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1543521	10.864	ppbv	99
29) Chloroform	5.75	83	1848616	9.660	ppbv	100
30) Cyclohexane	7.12	84	1096378	9.855	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1149279	10.207	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	1904803	9.388	ppbv	99
34) 2-Butanone	5.24	43	1050530	9.588	ppbv	99
35) Carbon Tetrachloride	7.01	117	2009735	9.842	ppbv	98
36) Benzene	6.88	78	2552341	10.205	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1299628	9.937	ppbv	99
38) Trichloroethene	7.83	130	1098317	8.963	ppbv	97
39) 1,2-Dichloropropane	7.61	63	947569	10.398	ppbv	96
40) 1,4-Dioxane	7.83	88	266290m	9.954	ppbv	
41) Tetrahydrofuran	6.04	42	564675	10.476	ppbv	98
42) Bromodichloromethane	7.78	83	1982742	10.544	ppbv	98
43) Methyl Methacrylate	8.01	69	888463	10.917	ppbv	99

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 QLast Update : Fri Aug 06 17:52:04 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4171178	9.974	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	673482	12.762	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	894673	11.913	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1060810	10.077	ppbv	97
48) Dibromochloromethane	10.29	129	1819337	11.191	ppbv	100
49) Bromoform	13.03	173	1507464	12.672	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1552954	10.335	ppbv	97
51) 2-Hexanone	10.13	43	783214	10.403	ppbv #	98
52) Tetrachloroethene	11.21	164	1068478	8.958	ppbv	97
53) Toluene	9.80	91	3062027	10.503	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1523572	10.477	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1246024	10.105	ppbv	98
57) Chlorobenzene	12.14	112	2248483	9.861	ppbv	100
58) Ethyl Benzene	12.70	91	3939681	10.356	ppbv	99
59) m/p-Xylene	12.99	91	6607137m	19.974	ppbv	
60) o-Xylene	13.68	91	3055494	9.966	ppbv	97
61) Styrene	13.52	104	1766192	11.185	ppbv	99
62) Isopropylbenzene	14.65	105	4495246	9.958	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2154247	8.961	ppbv	100
64) n-propylbenzene	15.55	120	1202572	10.505	ppbv	97
65) tert-Butylbenzene	16.73	119	4072301	9.840	ppbv	99
66) Benzyl Chloride	16.98	91	172730	10.486	ppbv	99
67) sec-Butylbenzene	17.28	105	5507893	10.052	ppbv	100
69) p-Isopropyltoluene	17.64	119	4793386	10.130	ppbv	99
70) n-Butylbenzene	18.54	91	4450671	10.539	ppbv	100
71) 2-Chlorotoluene	15.44	91	3223411	10.644	ppbv	99
72) 4-Ethyltoluene	15.83	105	3873952	10.684	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3464961	10.118	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	3659957	10.182	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	2292606	10.076	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2255649	10.108	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	2230302	10.103	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1639314	9.391	ppbv	100
79) Naphthalene	22.18	128	3020947	11.887	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	610927	13.227	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	1781760	10.829	ppbv	99

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

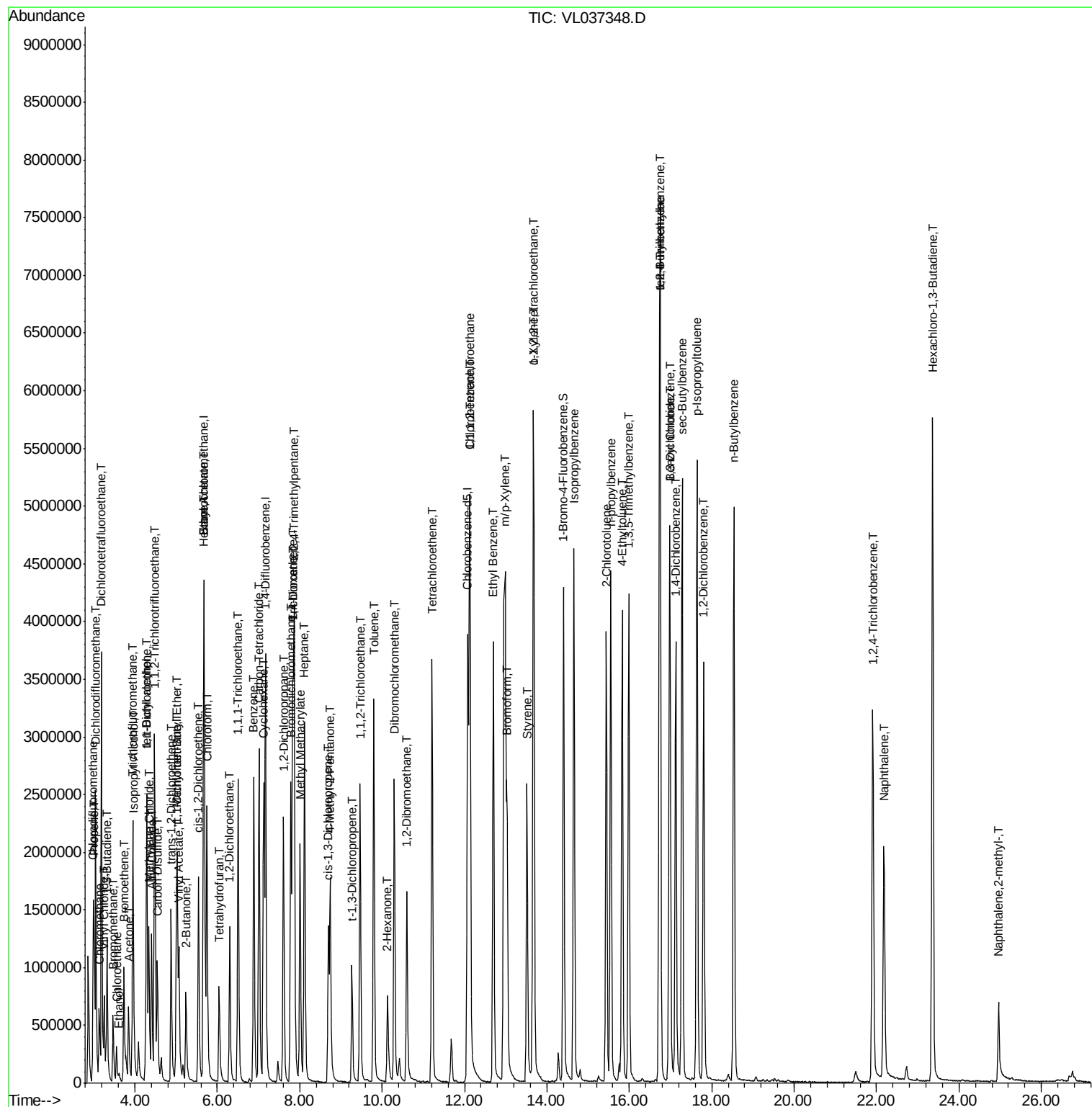
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080621\
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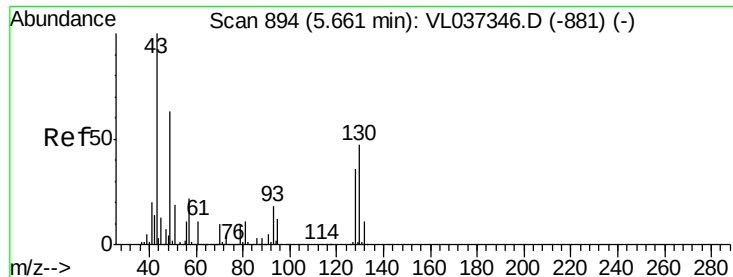
Instrument :
MSVOA_L
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ICVVL080621

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QLast Update : Fri Aug 06 17:52:04 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

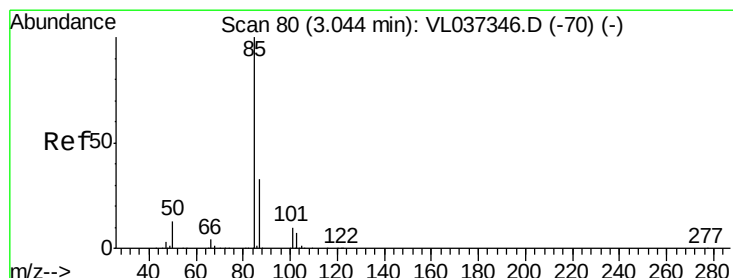
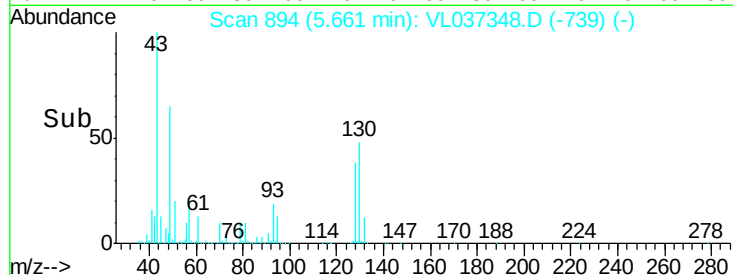
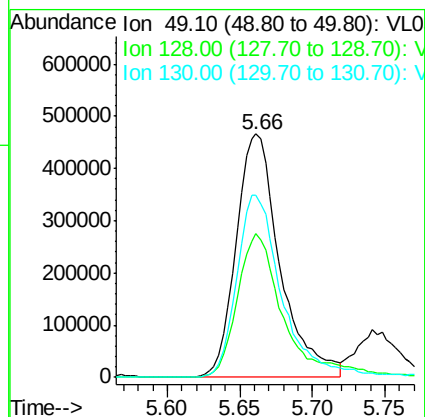
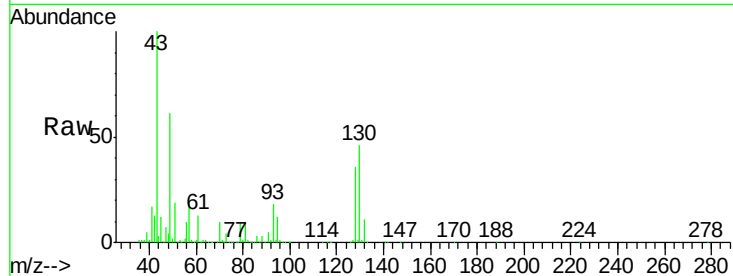
ClientSampleId :

ICVVL080621

Tot Ion:	49	Resp:	979393
Ion	Ratio	Lower	Upper
49	100		
128	63.8	32.1	96.3
130	78.7	40.0	120.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 10.215 ppbv

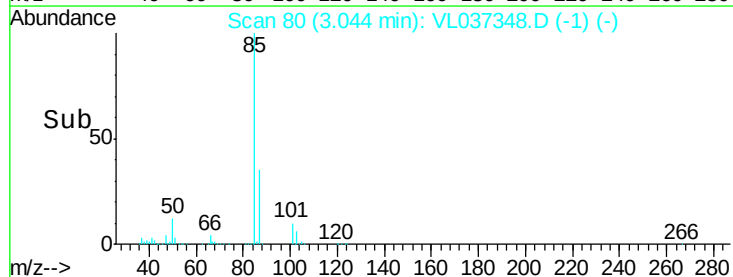
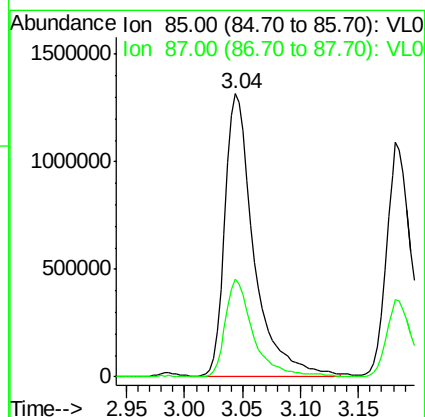
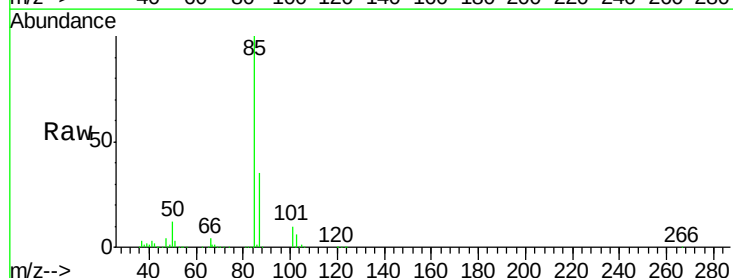
RT: 3.04 min Scan# 80

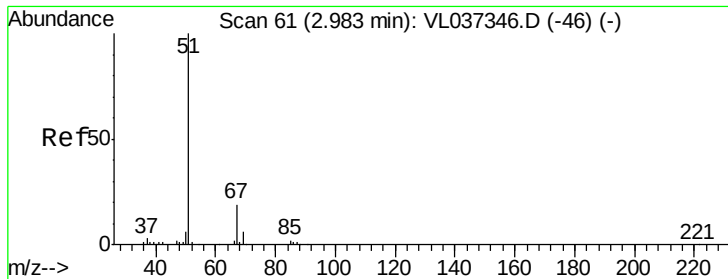
Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Tgt Ion:	85	Resp:	2266658
Ion	Ratio	Lower	Upper
85	100		
87	34.5	26.4	39.6





#3

Chlorodifluoromethane

Concen: 9.317 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Tot Ion: 51 Resp: 1819722

Ion Ratio Lower Upper

51 100

67 18.9 15.6 23.4

Instrument :

MSVOA_L

ClientSampleId :

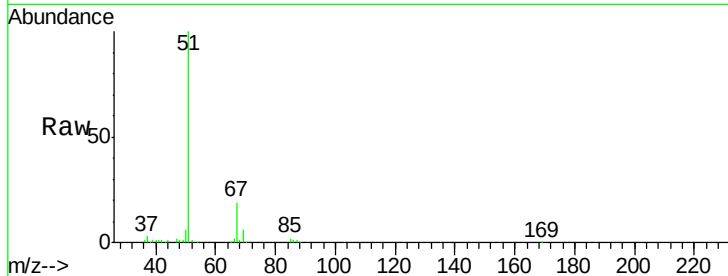
ICVVL080621

Manual Integrations

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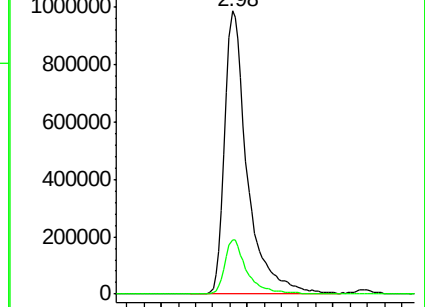
MMDadoda

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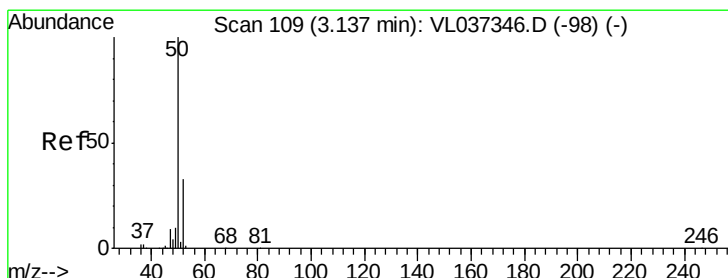
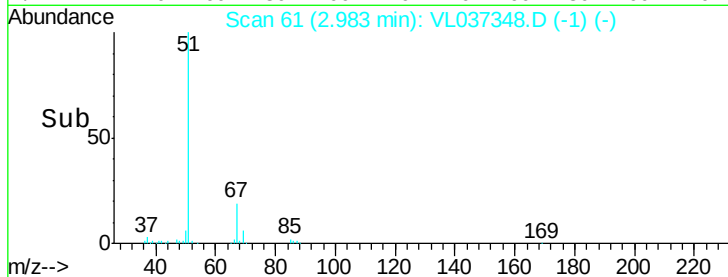


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 9.587 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL037348.D

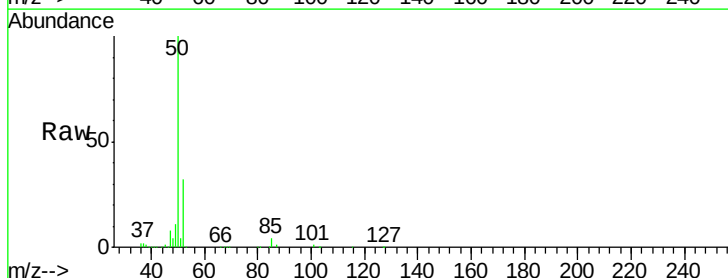
Acq: 6 Aug 2021 17:25

Tgt Ion: 50 Resp: 639987

Ion Ratio Lower Upper

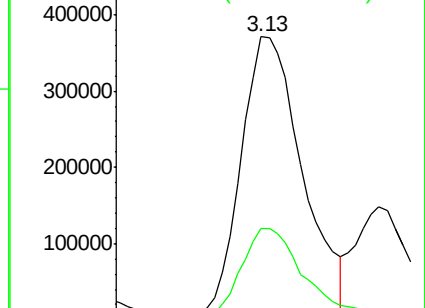
50 100

52 32.6 26.3 39.5

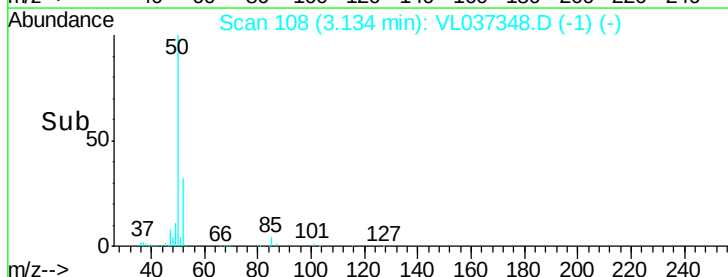


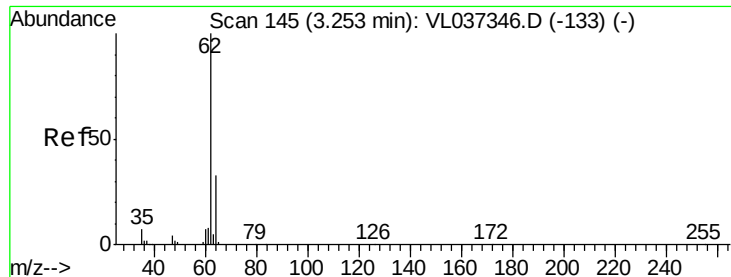
Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->





#5

Vinyl Chloride

Concen: 8.921 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion: 62 Resp: 719096

Ion Ratio Lower Upper

62 100

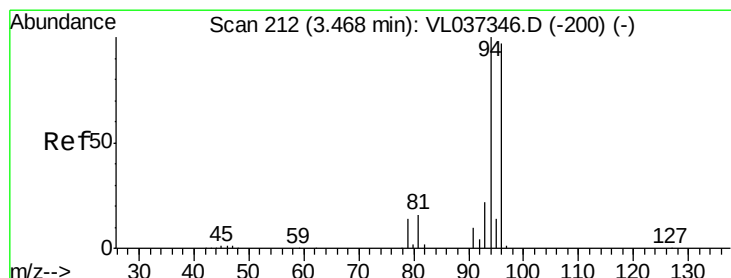
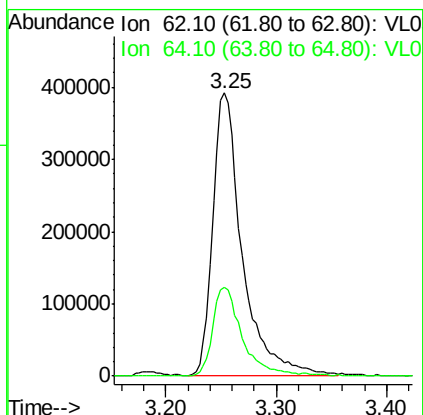
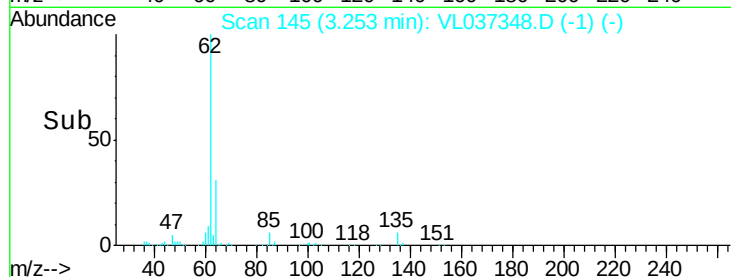
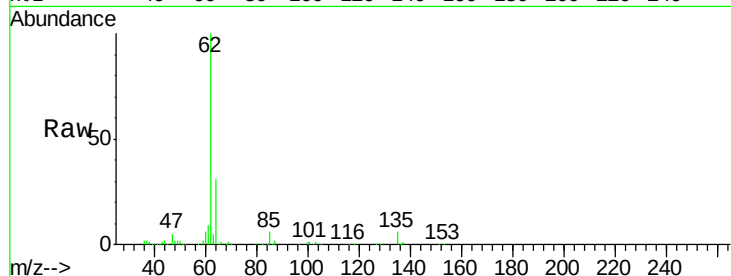
64 31.5 26.4 39.6

Manual Integrations

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#6

Bromomethane

Concen: 9.901 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL037348.D

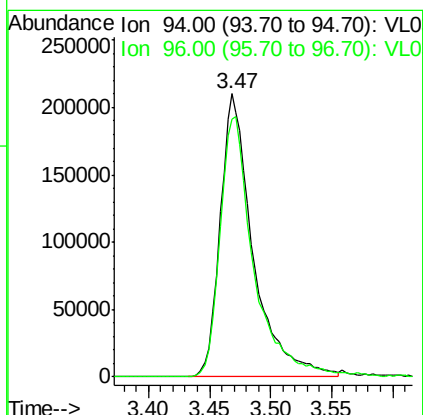
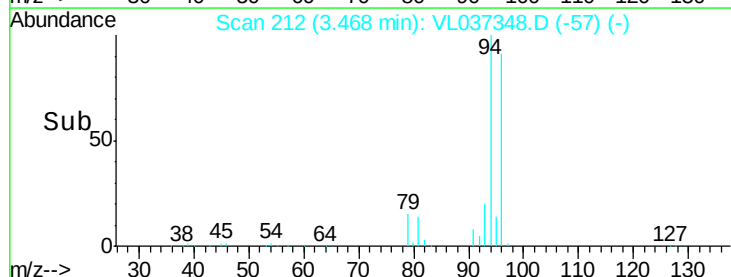
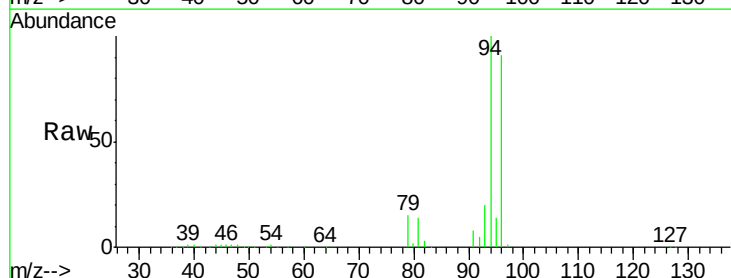
Acq: 6 Aug 2021 17:25

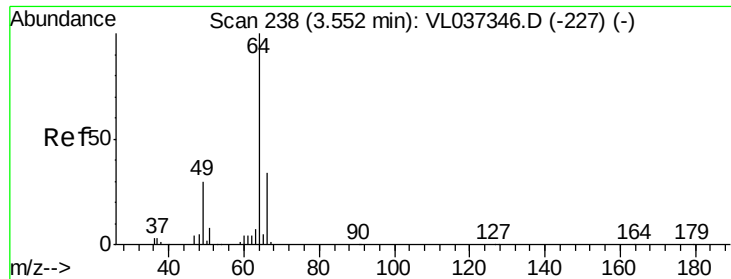
Tgt Ion: 94 Resp: 398106

Ion Ratio Lower Upper

94 100

96 91.2 77.4 116.2





#7

Chloroethane

Concen: 9.575 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion: 64 Resp: 258595

Ion Ratio Lower Upper

64 100

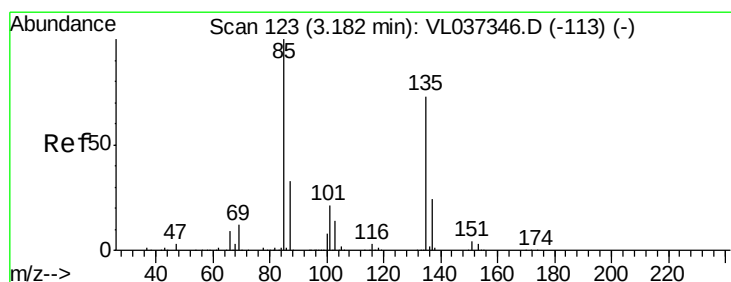
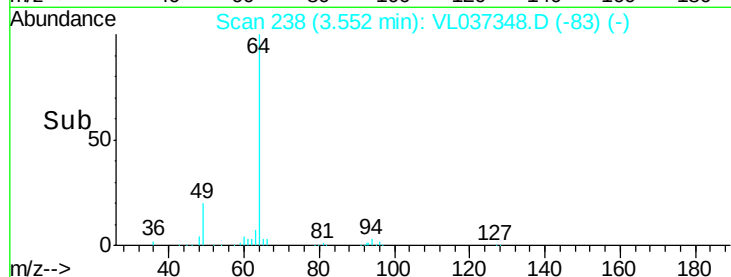
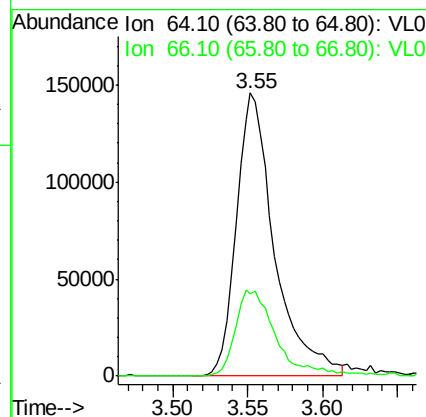
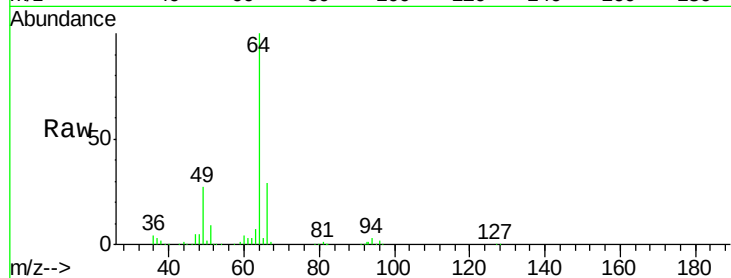
66 29.0 26.8 40.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.316 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL037348.D

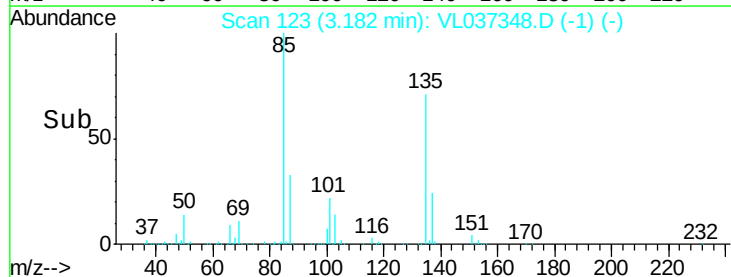
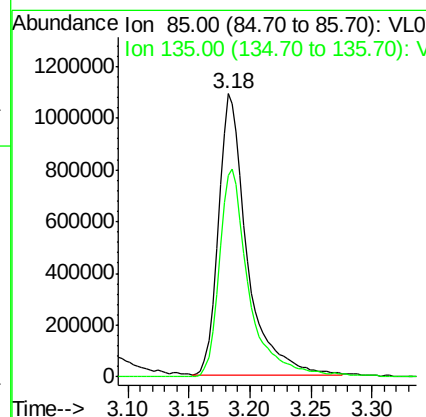
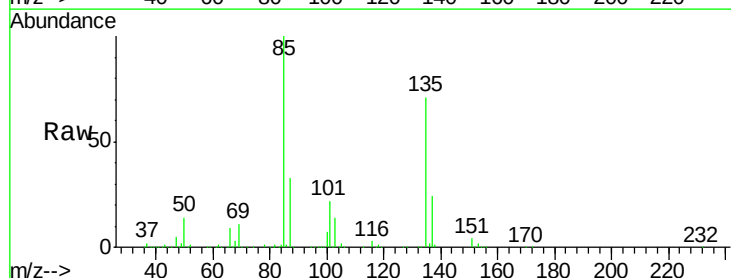
Acq: 6 Aug 2021 17:25

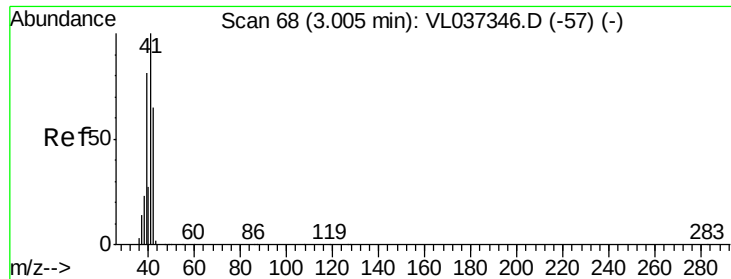
Tgt Ion: 85 Resp: 1774631

Ion Ratio Lower Upper

85 100

135 78.2 63.2 94.8





#9

Propene

Concen: 9.473 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion: 41 Resp: 620971

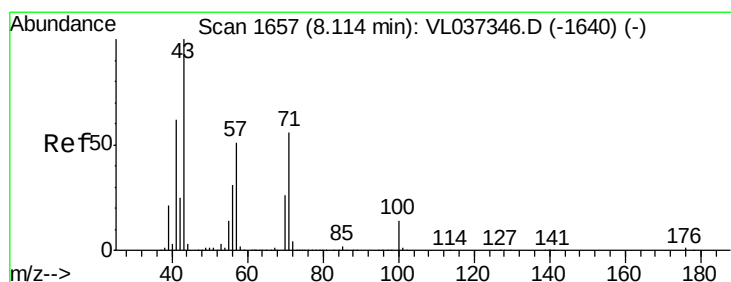
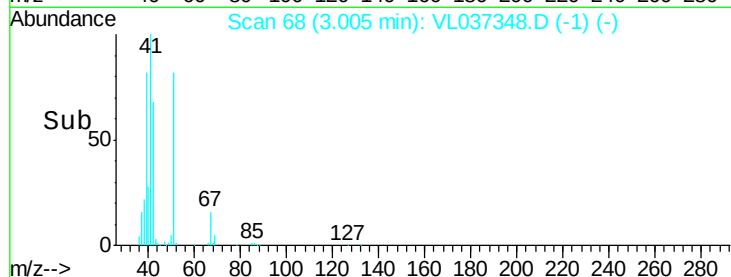
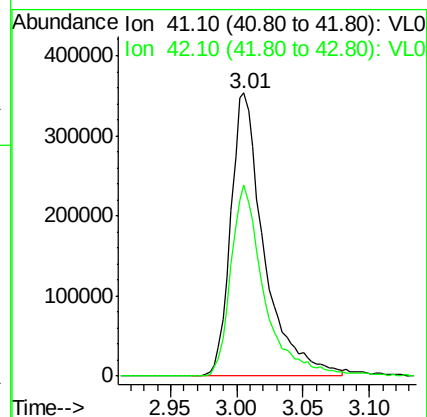
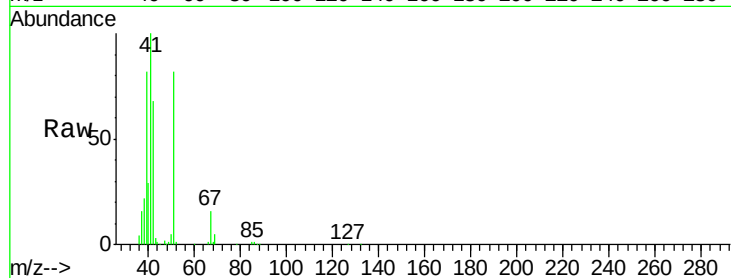
Ion Ratio Lower Upper

41 100

42 68.0 54.3 81.5

Manual Integrations
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#10

Heptane

Concen: 10.049 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VL037348.D

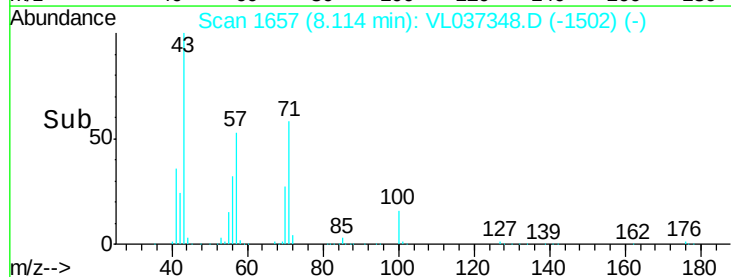
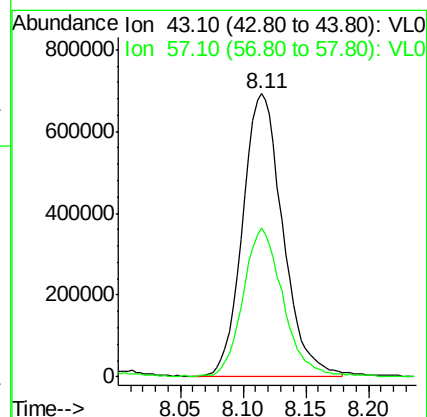
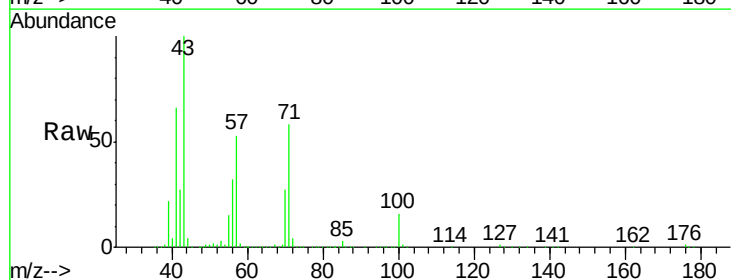
Acq: 6 Aug 2021 17:25

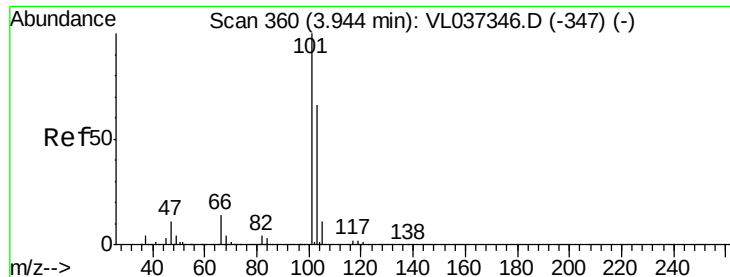
Tgt Ion: 43 Resp: 1530833

Ion Ratio Lower Upper

43 100

57 52.8 41.6 62.4





#11

Trichlorofluoromethane

Concen: 9.386 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion:101 Resp: 1785916

Ion Ratio Lower Upper

101 100

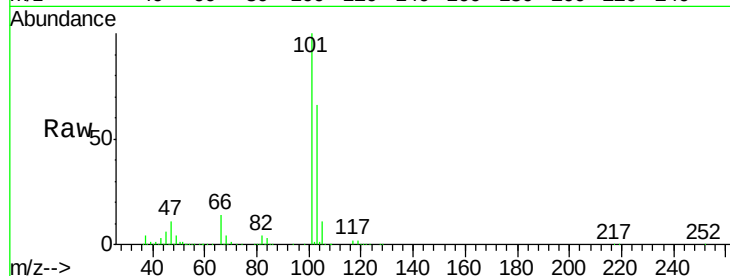
103 66.5 52.5 78.7

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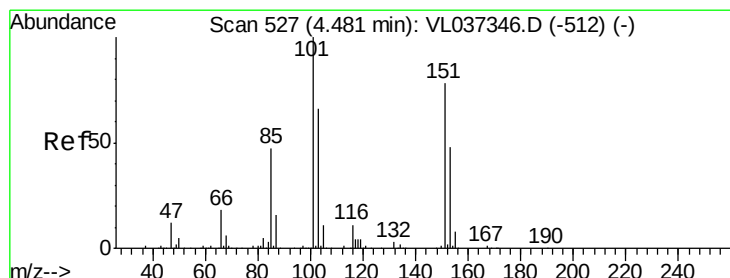
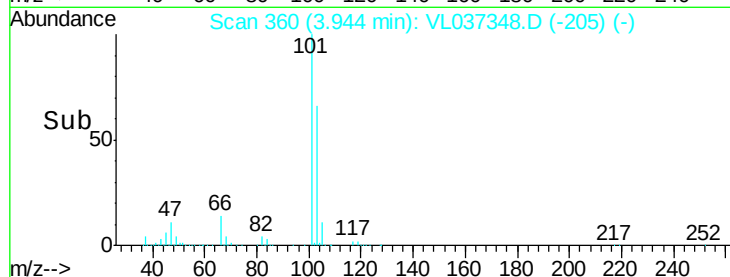
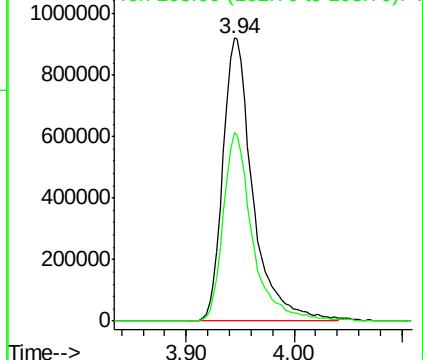
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.142 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.00 min

Lab File: VL037348.D

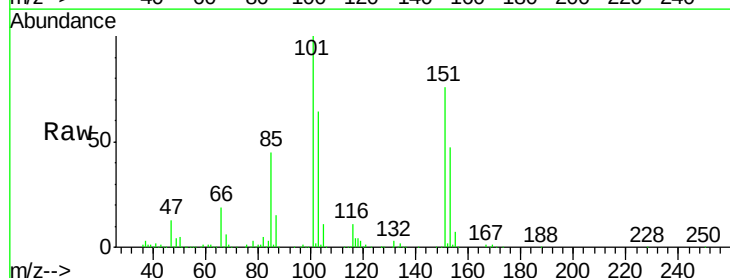
Acq: 6 Aug 2021 17:25

Tgt Ion:101 Resp: 1293207

Ion Ratio Lower Upper

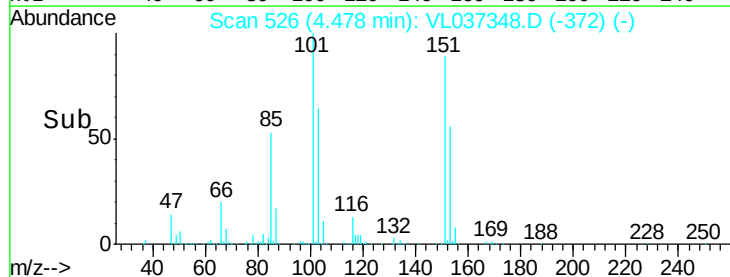
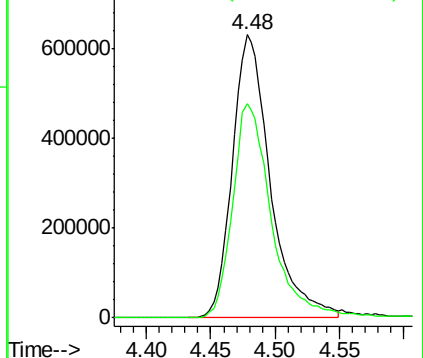
101 100

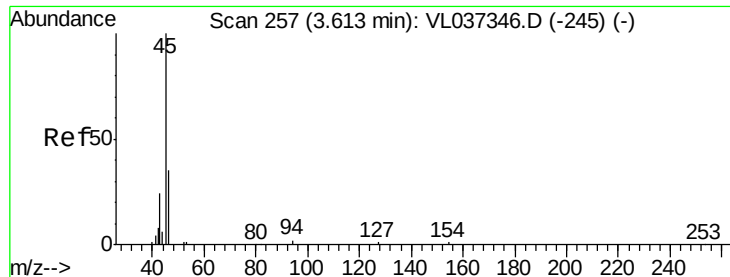
151 77.6 62.4 93.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





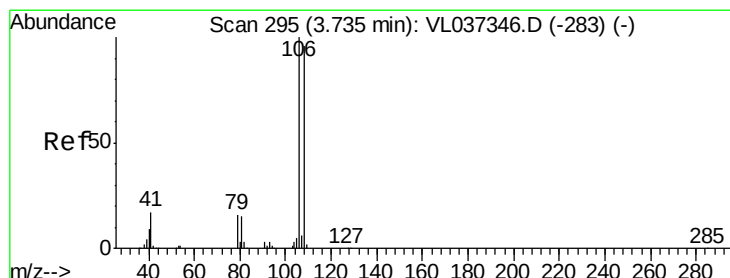
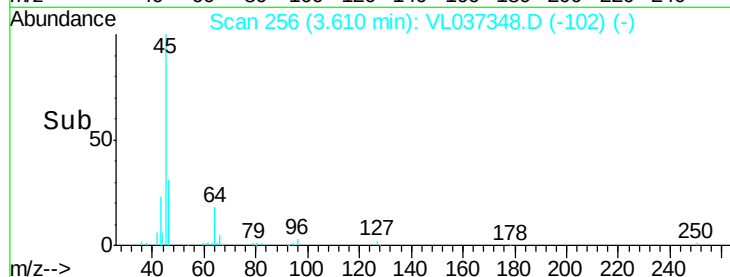
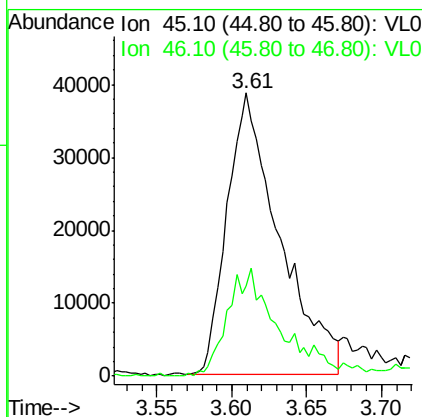
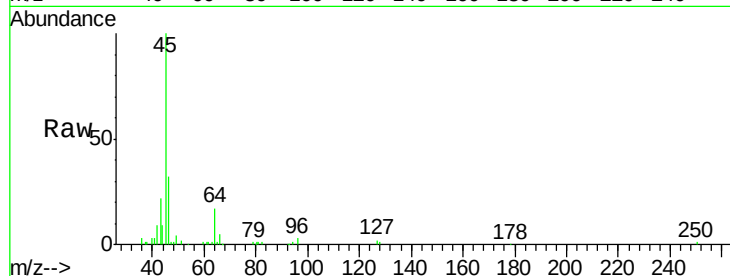
#13
Ethanol
Concen: 7.800 ppbv
RT: 3.61 min Scan# 256
Delta R.T. -0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080621

Tot Ion	45	Resp	94295
Ion Ratio	100	Lower	Upper
46	38.4	15.7	62.9

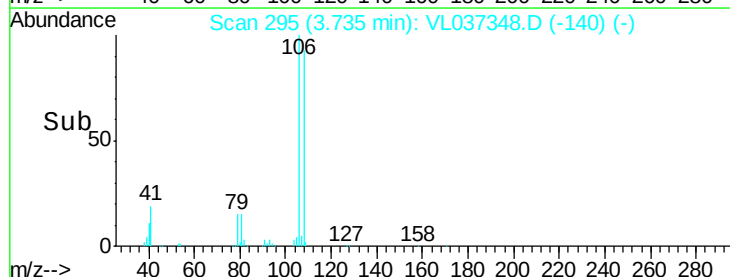
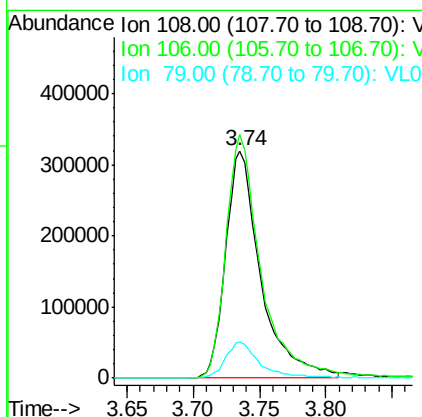
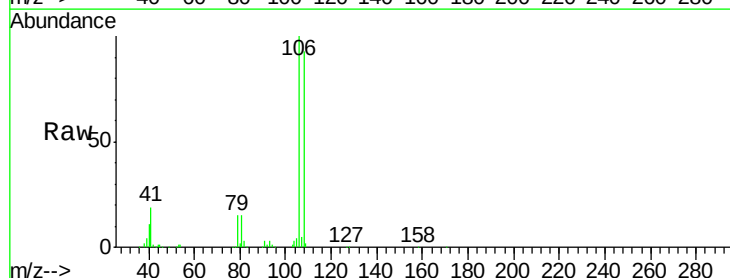
Manual Integrations
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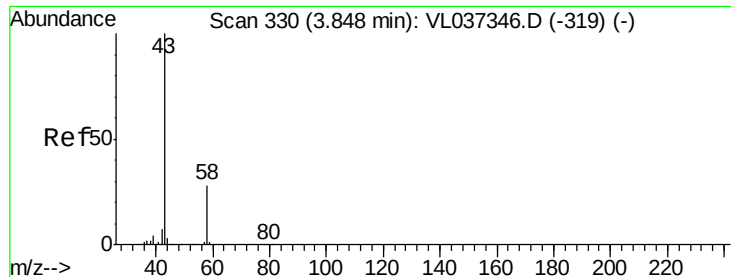
MMDadoda
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#14
Bromoethene
Concen: 9.802 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Tgt Ion	108	Resp	589929
Ion Ratio	100	Lower	Upper
106	108.3	86.8	130.2
79	16.3	13.4	20.2





#15

Acetone

Concen: 8.183 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion: 43 Resp: 835162

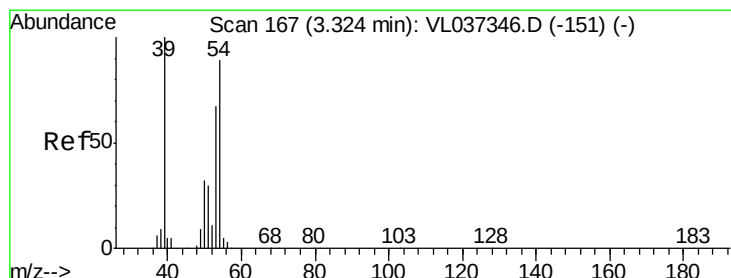
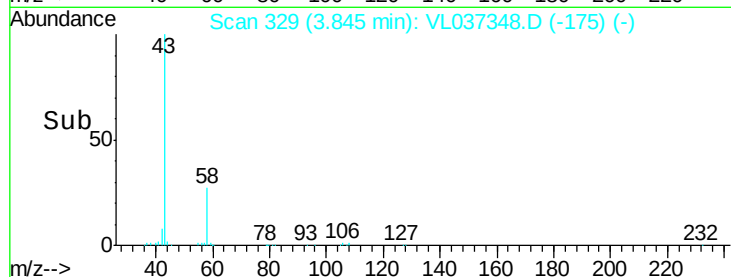
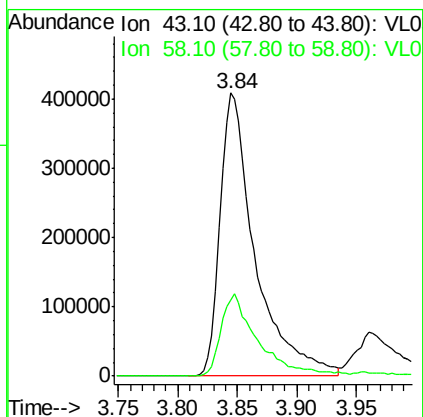
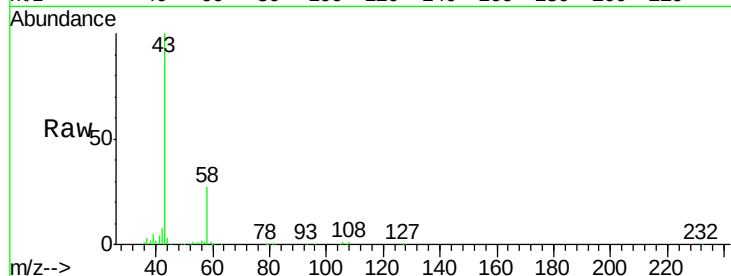
Ion Ratio Lower Upper

43 100

58 30.6 24.6 36.8

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#16

1,3-Butadiene

Concen: 9.028 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.00 min

Lab File: VL037348.D

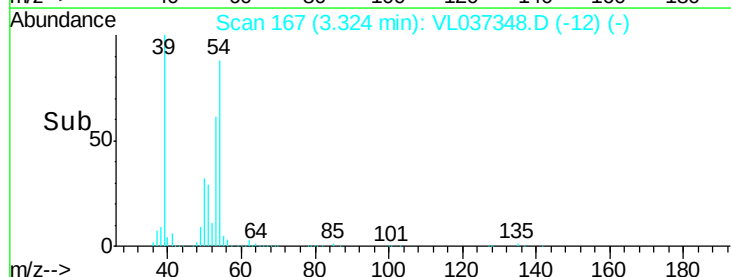
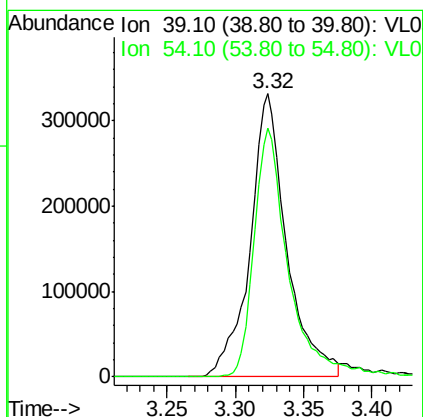
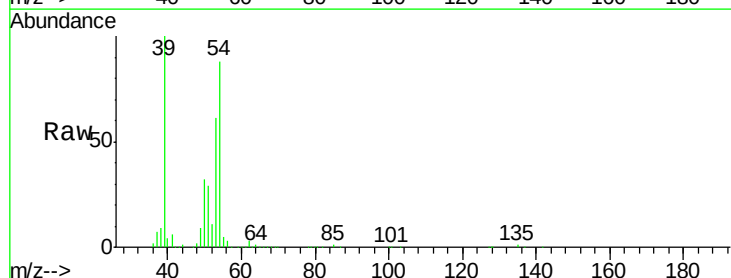
Acq: 6 Aug 2021 17:25

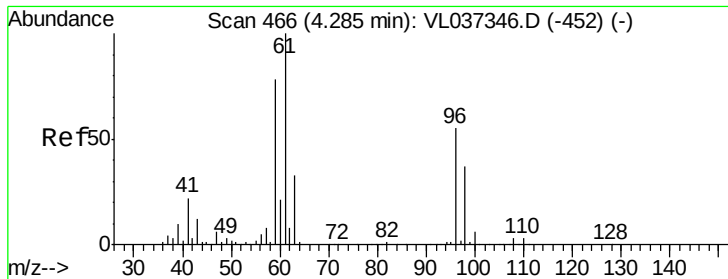
Tgt Ion: 39 Resp: 619359

Ion Ratio Lower Upper

39 100

54 83.0 64.2 96.4





#17

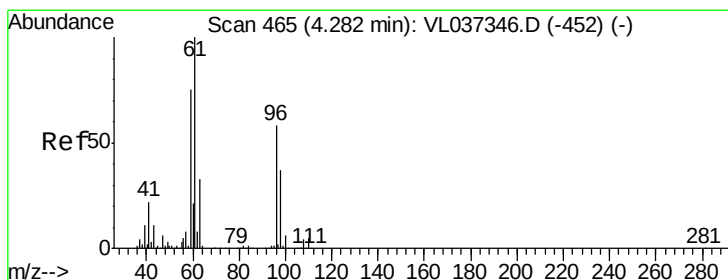
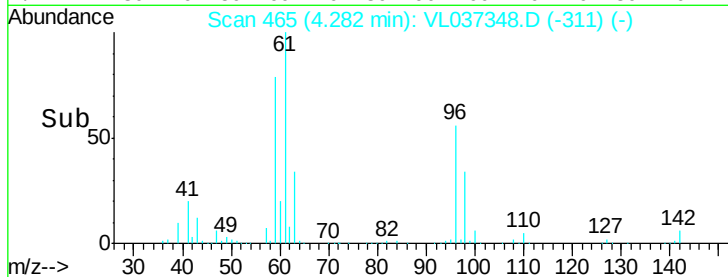
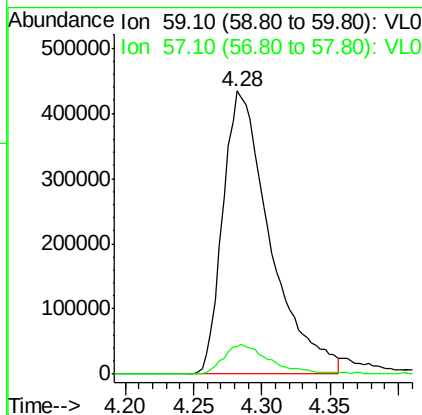
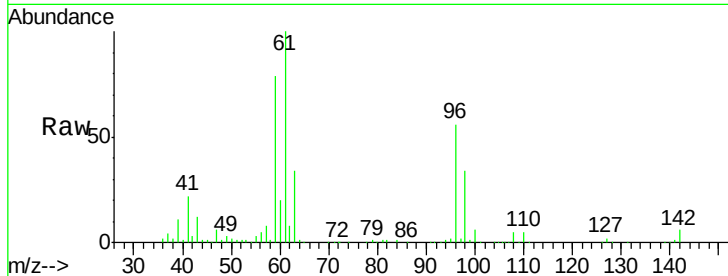
tert-Butyl alcohol
Concen: 9.643 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080621

Tot Ion: 59 Resp: 1047530
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1

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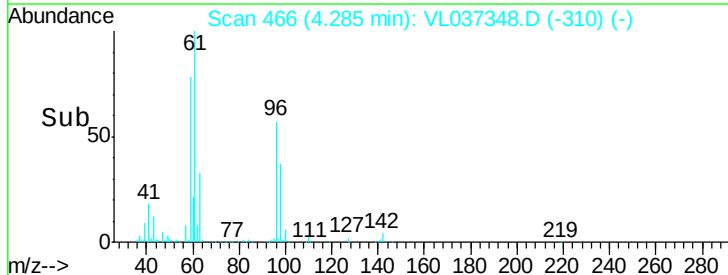
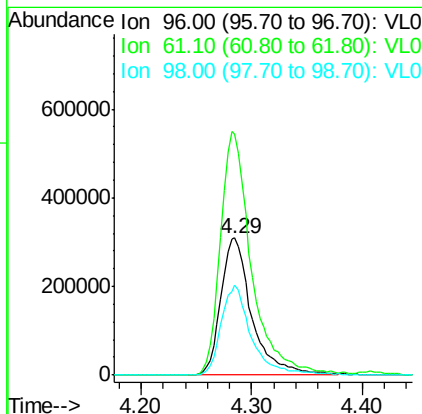
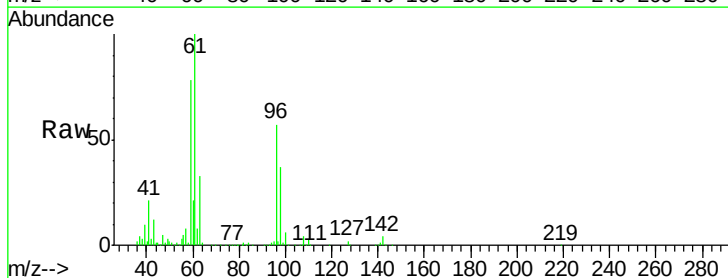
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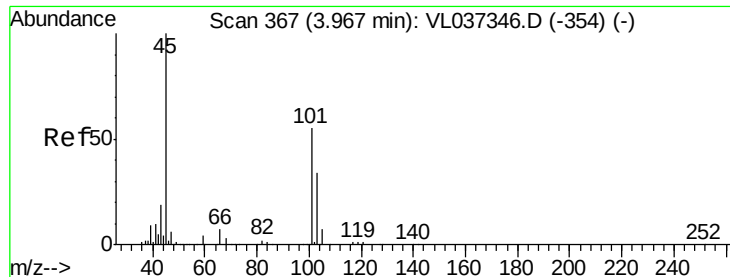


#18

1,1-Dichloroethene
Concen: 9.823 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Tgt Ion: 96 Resp: 604564
Ion Ratio Lower Upper
96 100
61 175.7 137.0 205.4
98 65.9 50.4 75.6





#19

Isopropyl Alcohol

Concen: 9.497 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion: 45 Resp: 586634

Ion Ratio Lower Upper

45 100

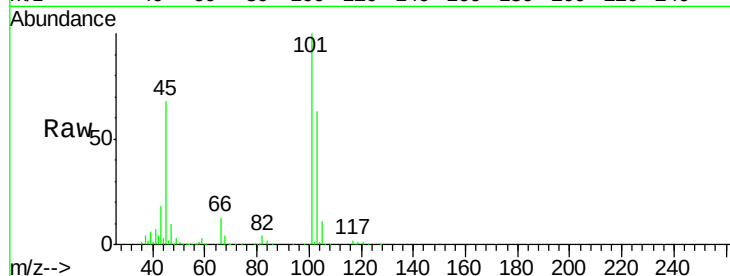
58 2.4 1.8 2.8

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

250000

200000

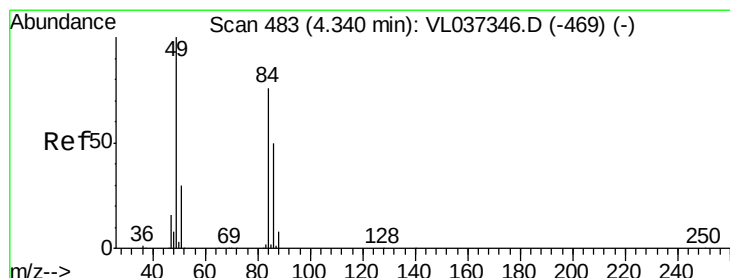
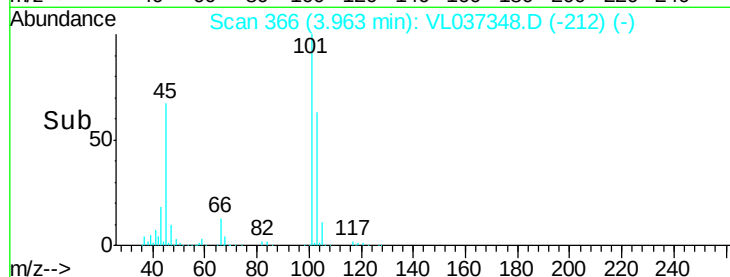
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 5.985 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Tgt Ion: 84 Resp: 511520

Ion Ratio Lower Upper

84 100

49 137.7 107.3 160.9

51 42.6 33.0 49.4

86 66.3 51.8 77.8

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

500000

400000

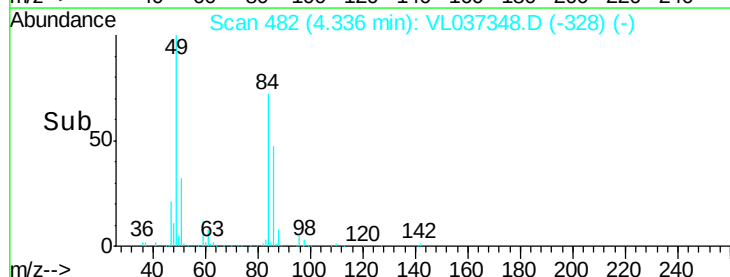
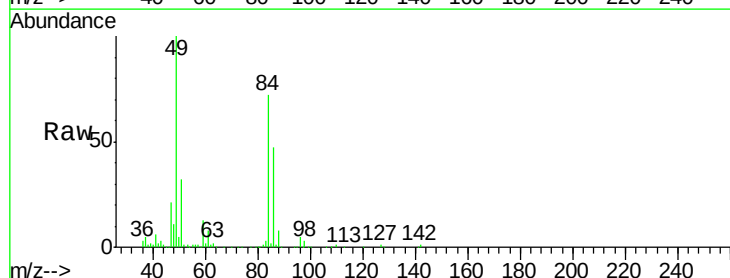
300000

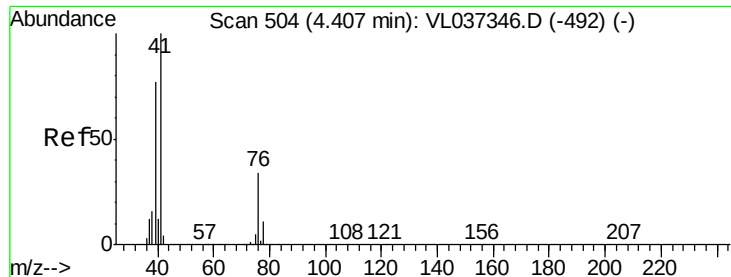
200000

100000

0

Time-->





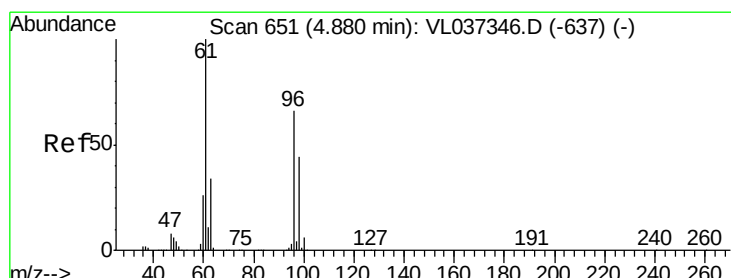
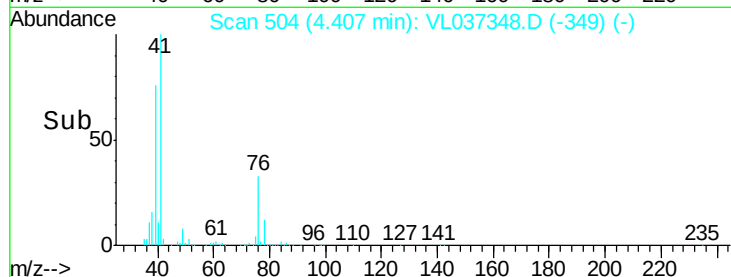
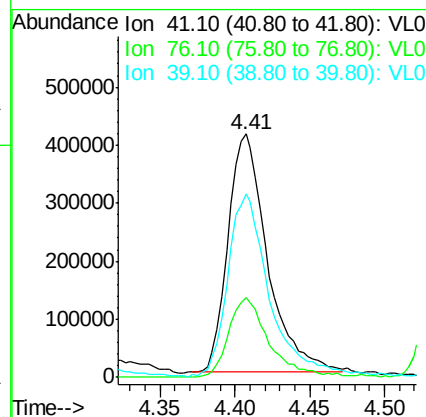
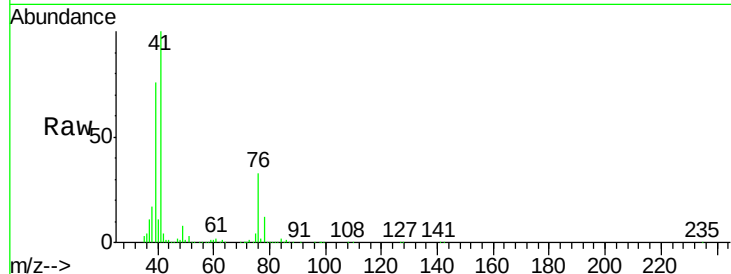
#21
Allvl Chloride
Concen: 8.935 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080621

Tot Ion	Ratio	Lower	Upper
41	100		
76	34.6	25.7	38.5
39	82.4	61.0	91.4

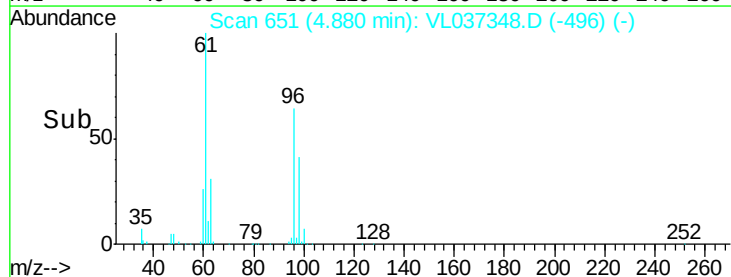
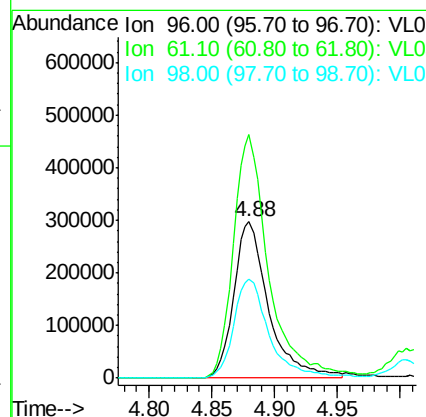
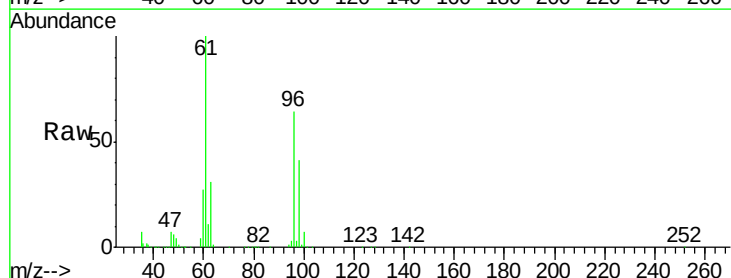
Manual Integrations
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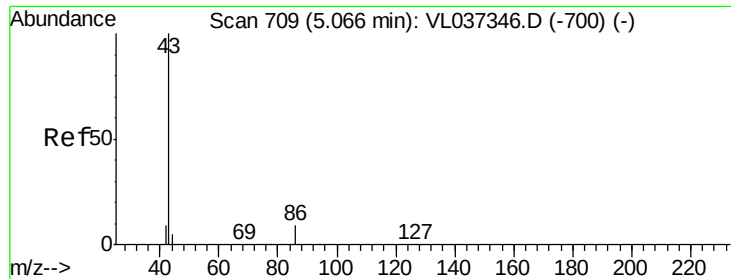
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#22
trans-1,2-Dichloroethene
Concen: 9.565 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.9	120.6	181.0
98	63.8	53.0	79.6





#23

Vinyl Acetate

Concen: 10.924 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion: 43 Resp: 1547275

Ion Ratio Lower Upper

43 100

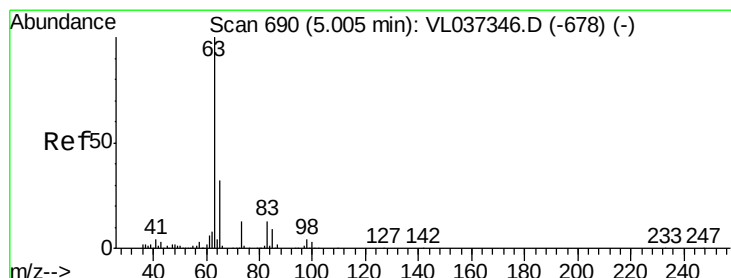
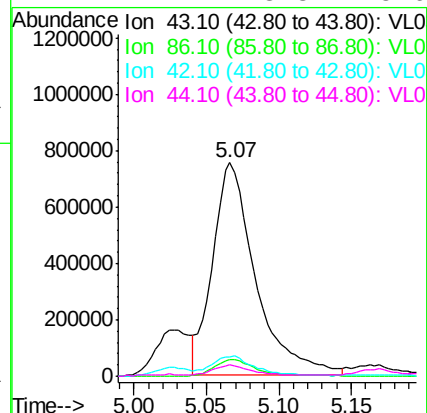
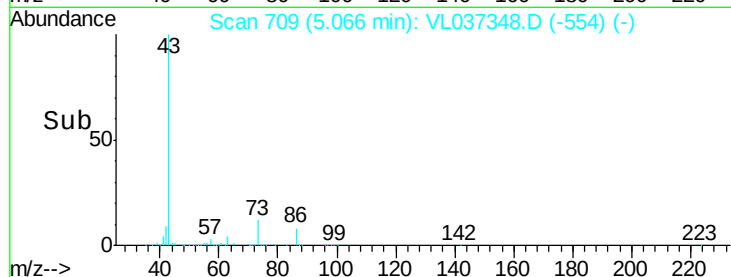
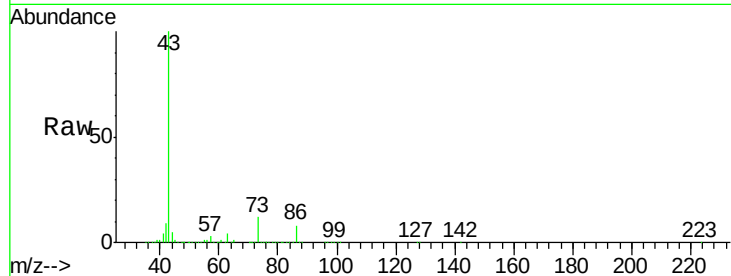
86 8.0 6.3 9.5

42 8.9 8.3 12.5

44 4.7 3.8 5.6

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 10.493 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

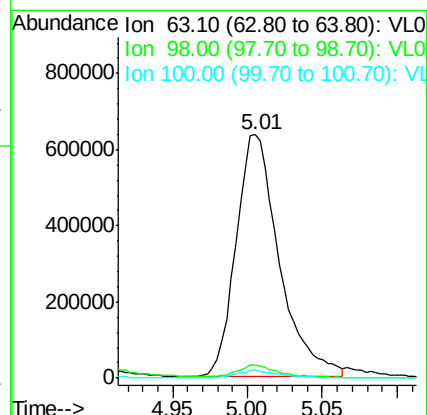
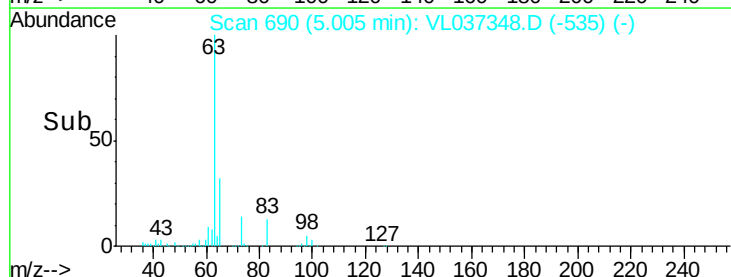
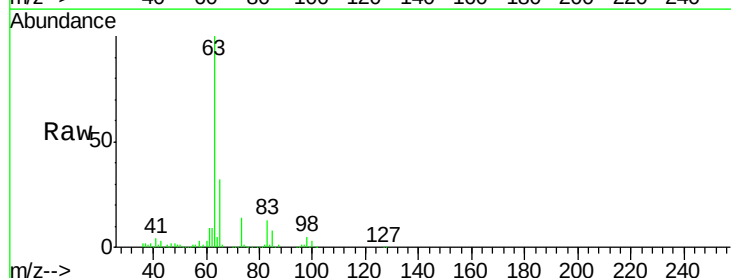
Tgt Ion: 63 Resp: 1279009

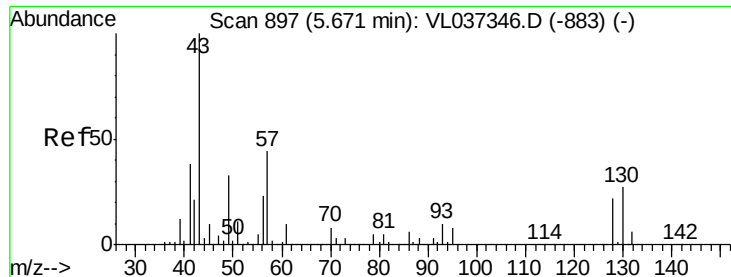
Ion Ratio Lower Upper

63 100

98 5.1 2.3 6.8

100 3.1 1.4 4.0





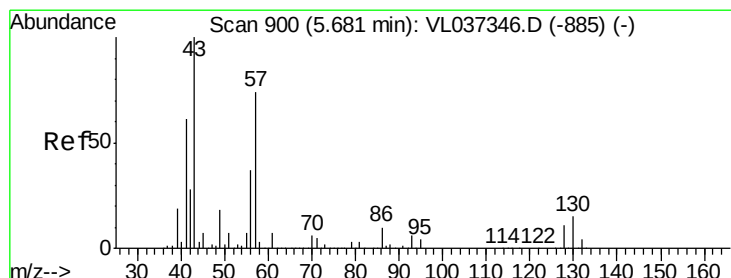
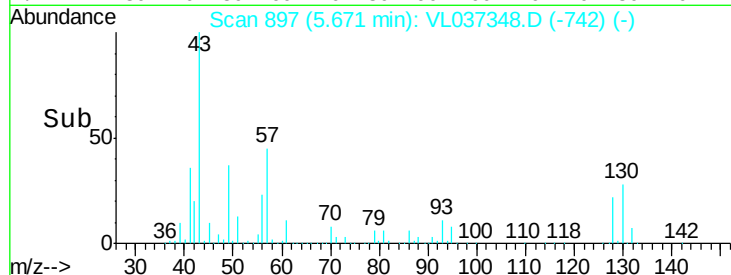
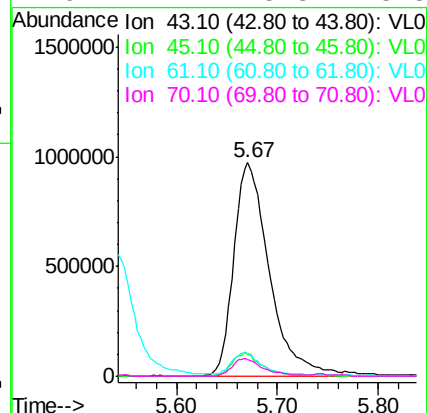
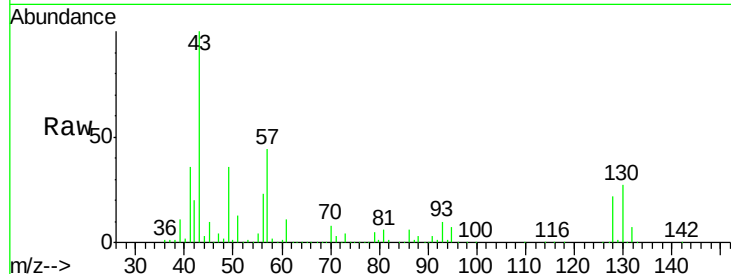
#25
Ethyl Acetate
Concen: 9.384 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080621

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.8	7.7	11.5	
61	10.5	8.2	12.2	
70	7.2	5.8	8.8	

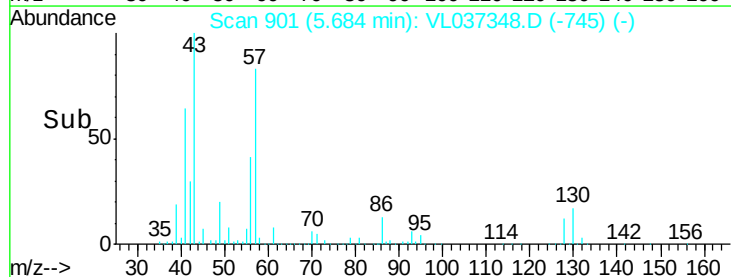
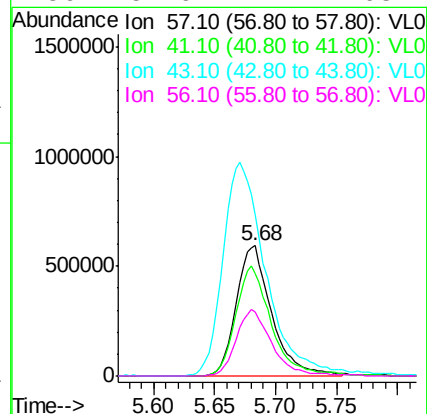
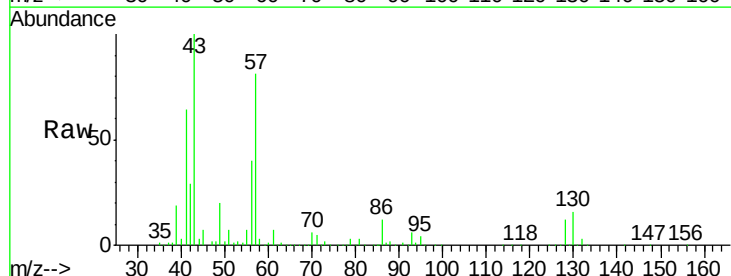
Manual Integrations
APPROVED

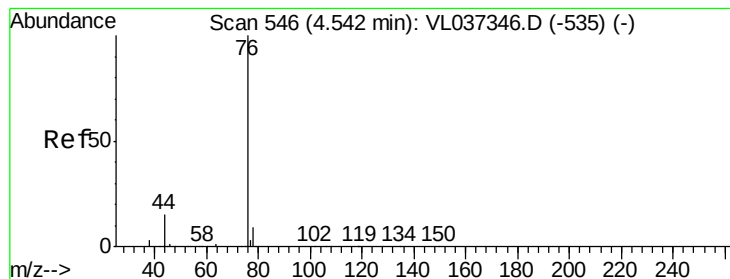
MMDadoda
8/10/2021 6:09:40 PM



#26
Hexane
Concen: 8.413 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	85.8	69.2	103.8	
43	200.5	162.1	243.1	
56	51.9	42.2	63.4	





#27

Carbon Disulfide

Concen: 10.989 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion: 76 Resp: 1360926

Ion Ratio Lower Upper

76 100

44 16.1 13.4 20.0

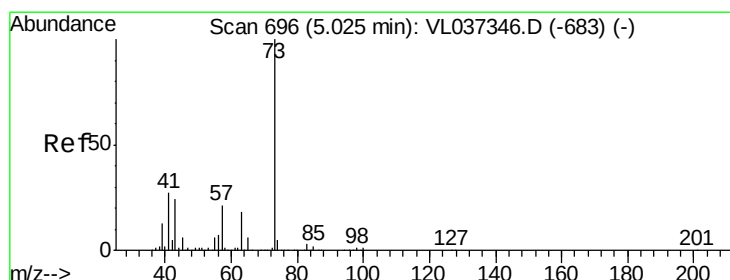
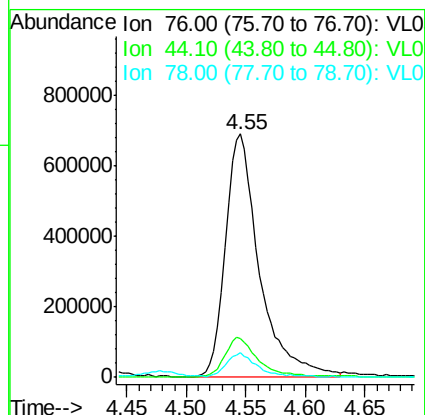
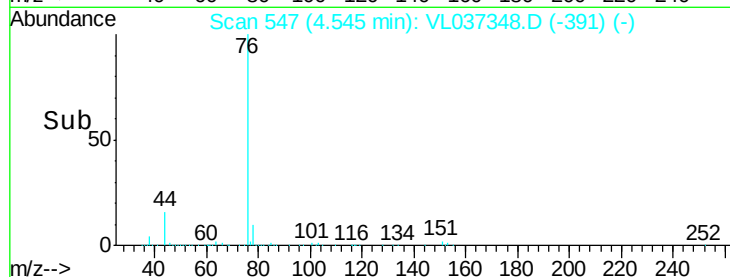
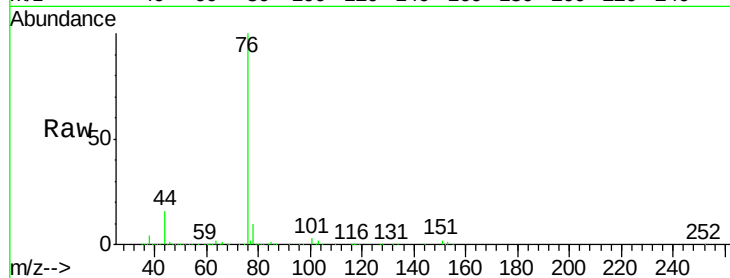
78 9.6 7.9 11.9

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 10.864 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.00 min

Lab File: VL037348.D

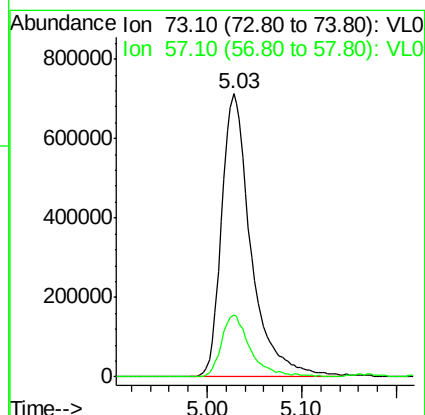
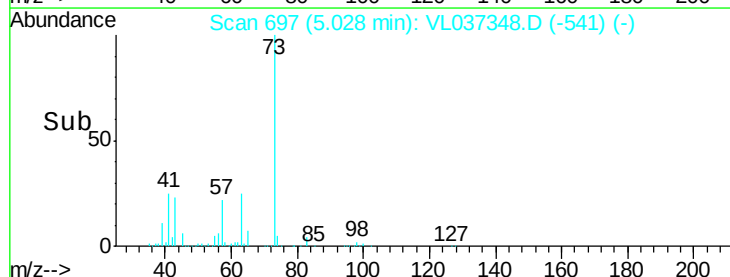
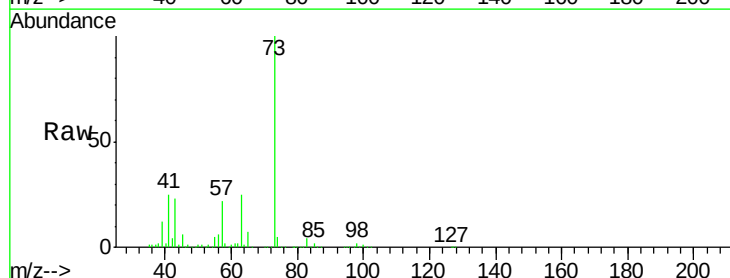
Acq: 6 Aug 2021 17:25

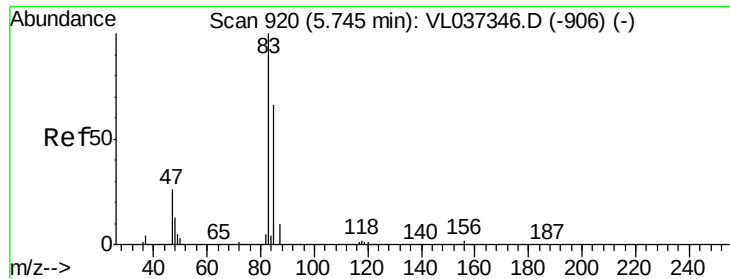
Tgt Ion: 73 Resp: 1543521

Ion Ratio Lower Upper

73 100

57 21.7 17.9 26.9





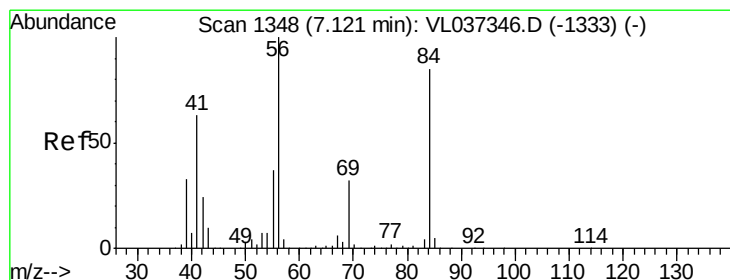
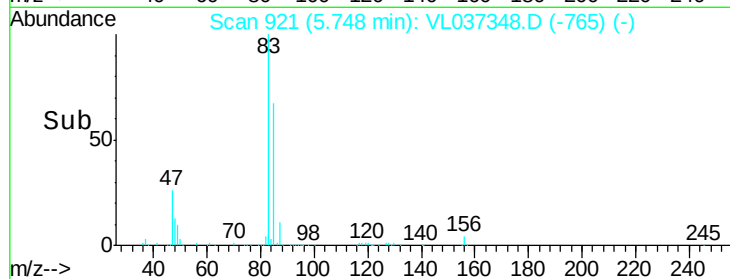
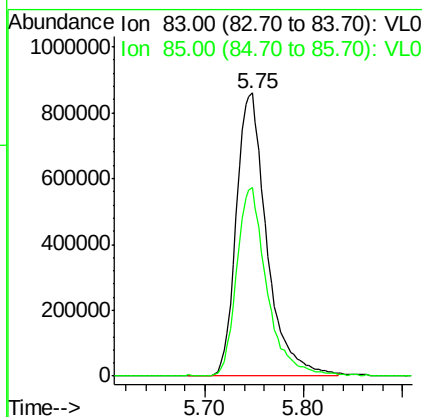
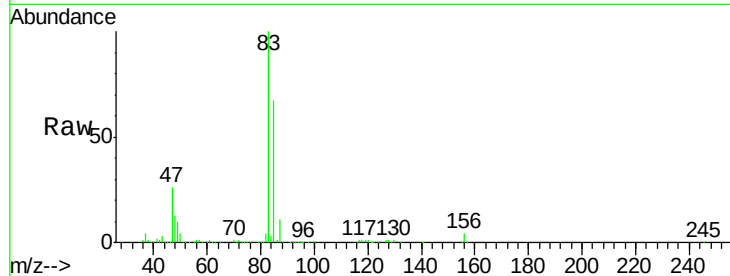
#29
Chloroform
Concen: 9.660 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080621

Tot Ion: 83 Resp: 1848616
Ion Ratio Lower Upper
83 100
85 66.1 53.1 79.7

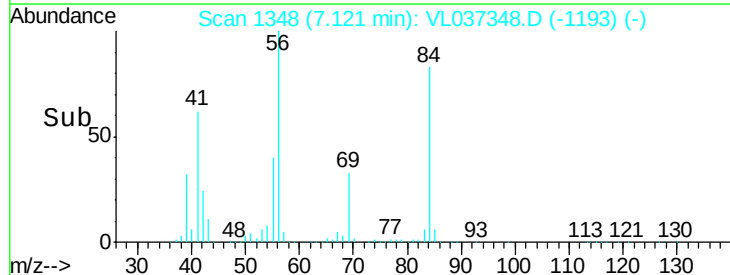
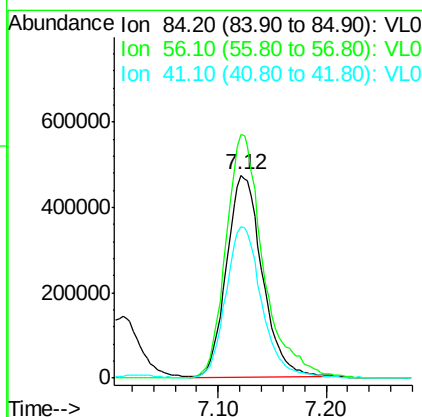
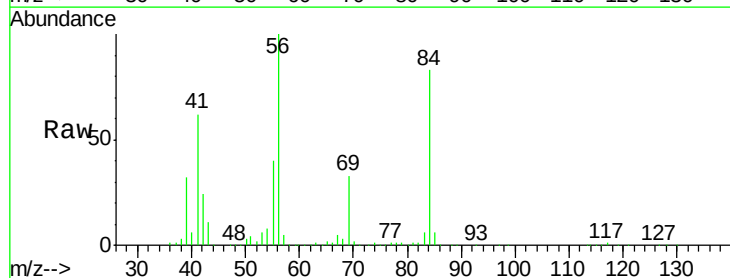
Manual Integrations
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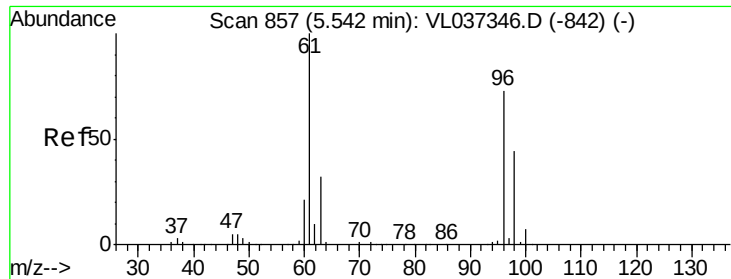
MMDadoda
8/10/2021 6:09:40 PM



#30
Cyclohexane
Concen: 9.855 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Tgt Ion: 84 Resp: 1096378
Ion Ratio Lower Upper
84 100
56 126.7 103.5 155.3
41 75.5 61.4 92.2





#31

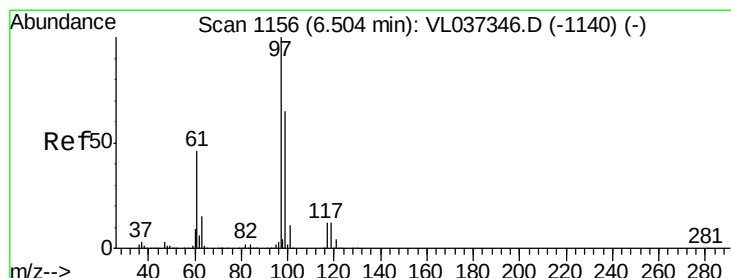
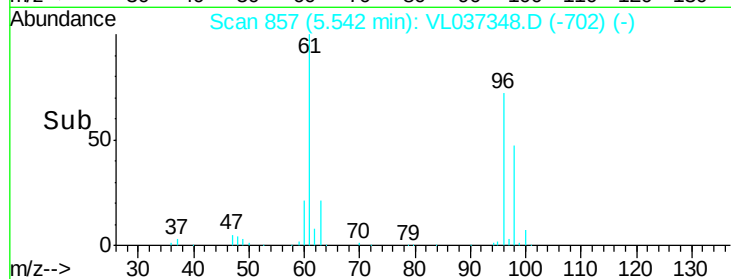
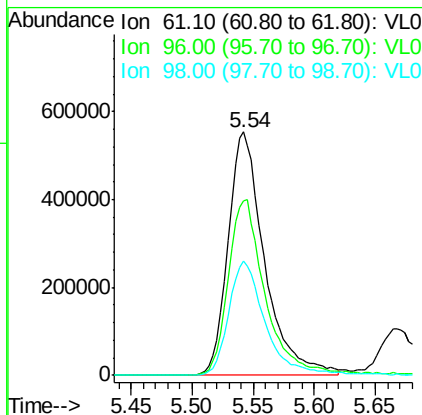
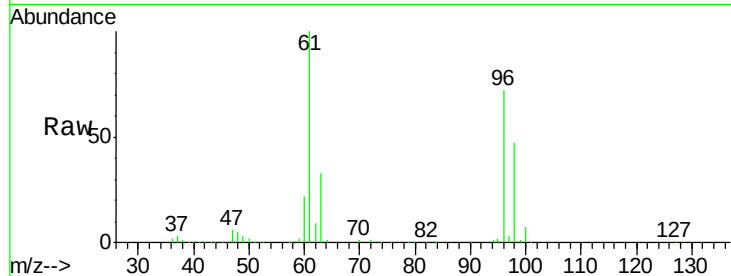
cis-1,2-Dichloroethene
 Concen: 10.207 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VL037348.D
 Acq: 6 Aug 2021 17:25

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080621

Tot Ion	61	Resp	1149279
Ion	Ratio	Lower	Upper
61	100		
96	71.5	58.5	87.7
98	46.8	35.1	52.7

Manual Integrations
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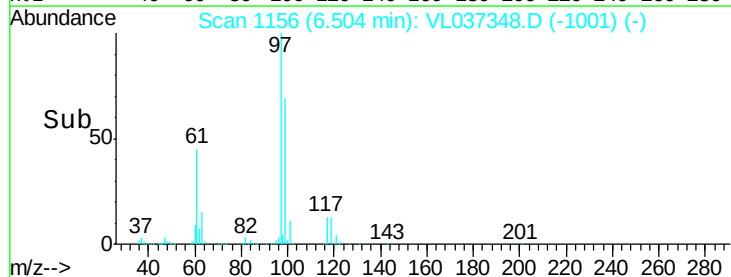
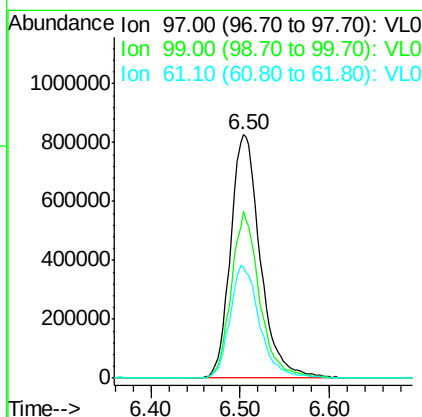
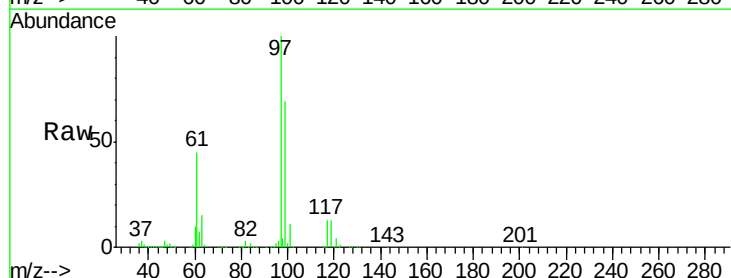
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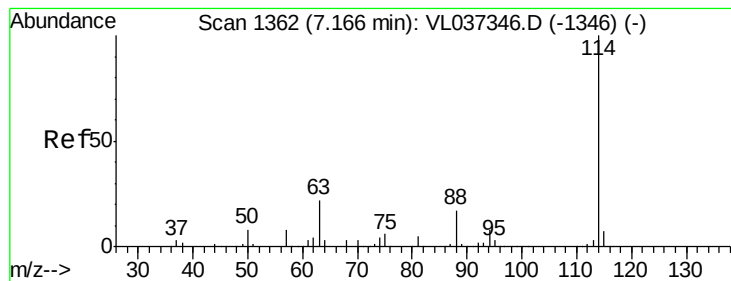


#32

1,1,1-Trichloroethane
 Concen: 9.388 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VL037348.D
 Acq: 6 Aug 2021 17:25

Tgt Ion	97	Resp	1904803
Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.8	77.6
61	46.6	37.0	55.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion:114 Resp: 3263172

Ion Ratio Lower Upper

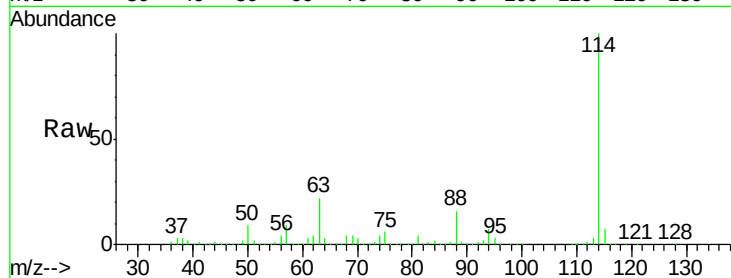
114 100

63 22.1 17.8 26.6

88 16.8 13.5 20.3

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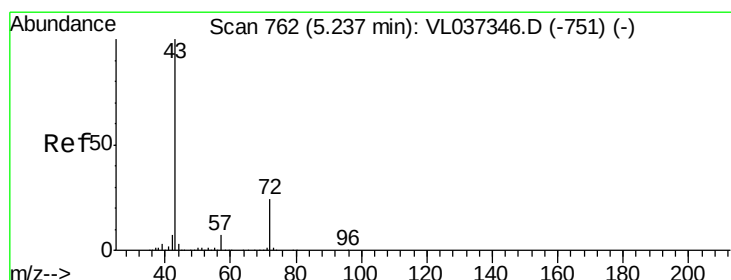
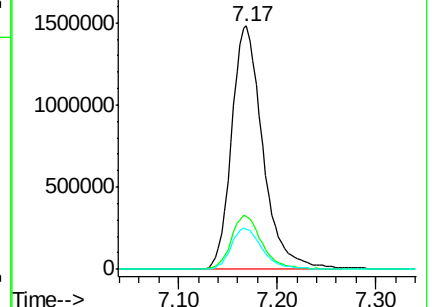
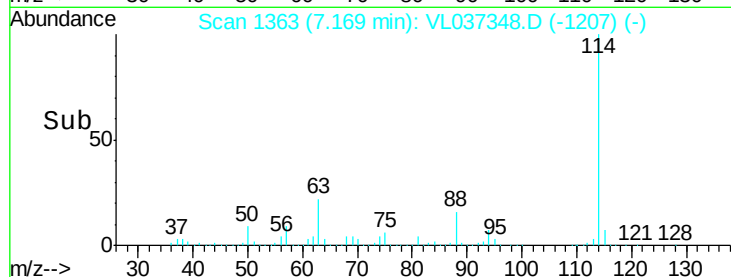
MMDadoda
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.588 ppbv

RT: 5.24 min Scan# 762

Delta R.T. -0.00 min

Lab File: VL037348.D

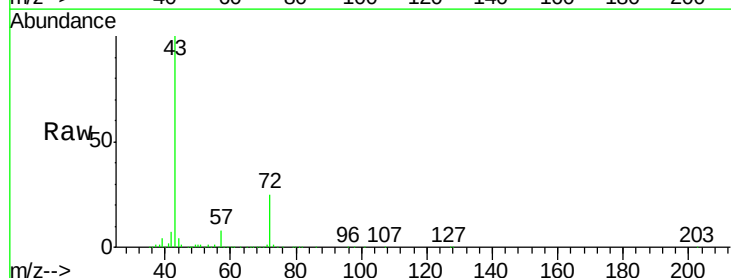
Acq: 6 Aug 2021 17:25

Tgt Ion: 43 Resp: 1050530

Ion Ratio Lower Upper

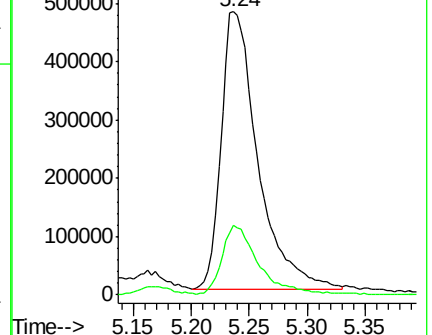
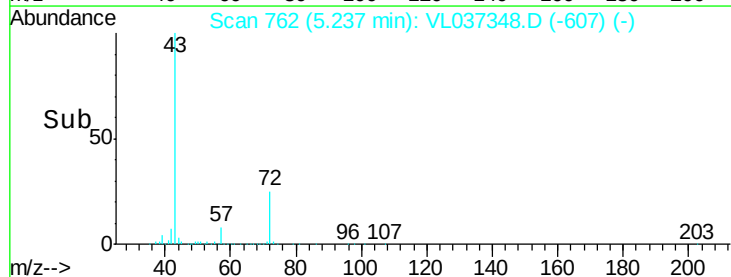
43 100

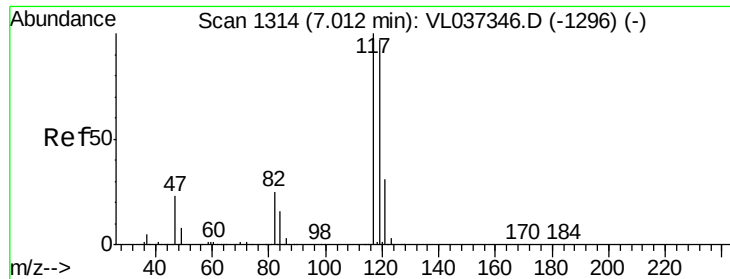
72 25.4 19.8 29.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.842 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion:117 Resp: 2009735

Ion Ratio Lower Upper

117 100

119 95.0 77.8 116.8

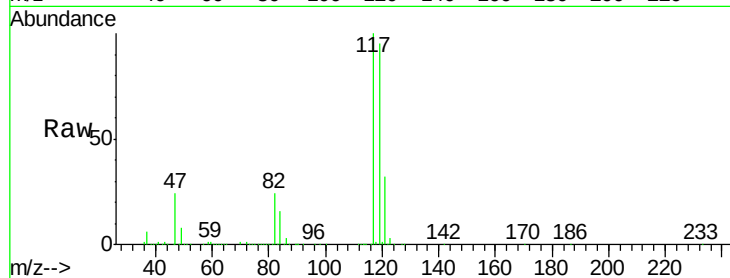
121 32.0 24.6 36.8

Manual Integrations

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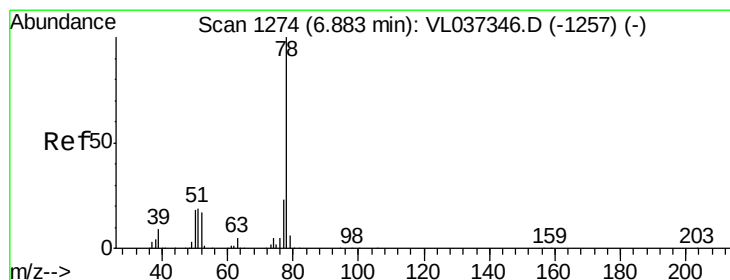
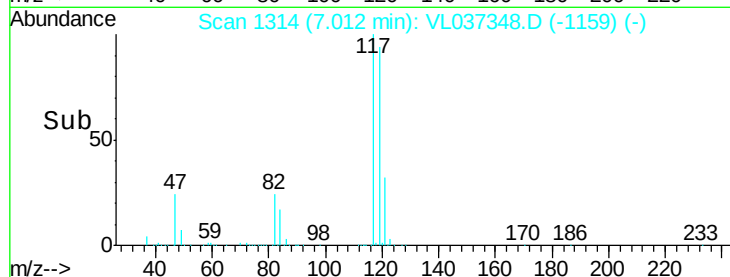
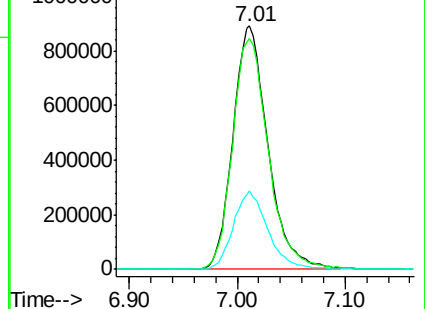
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.205 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

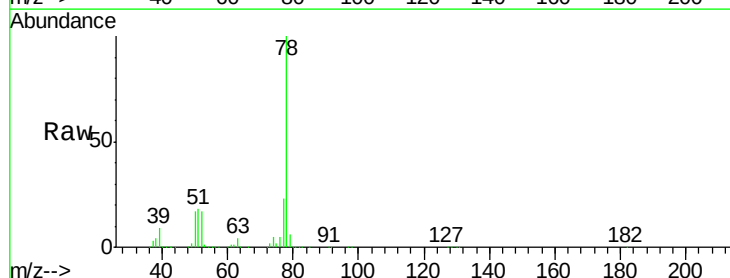
Tgt Ion: 78 Resp: 2552341

Ion Ratio Lower Upper

78 100

77 23.1 18.7 28.1

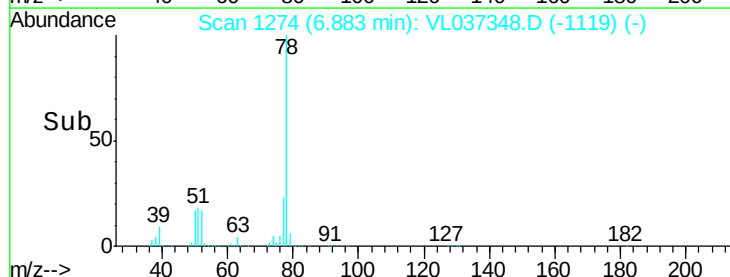
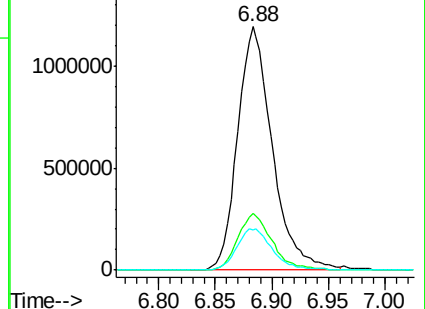
50 16.6 14.6 22.0

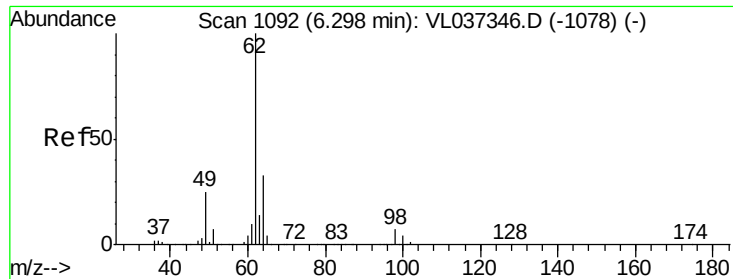


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





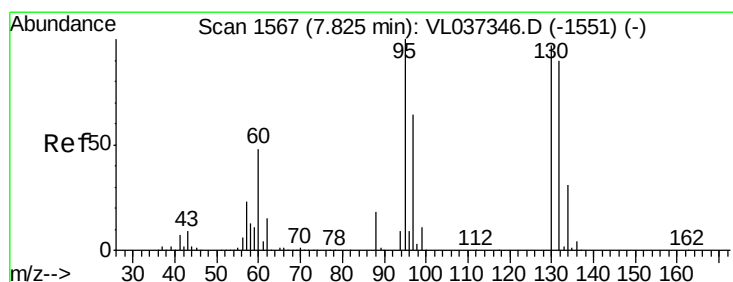
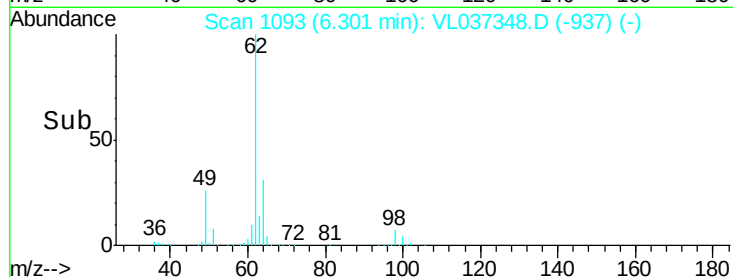
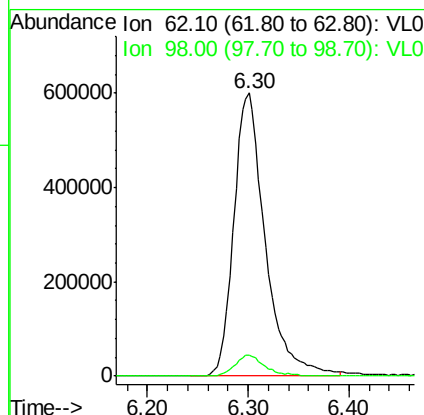
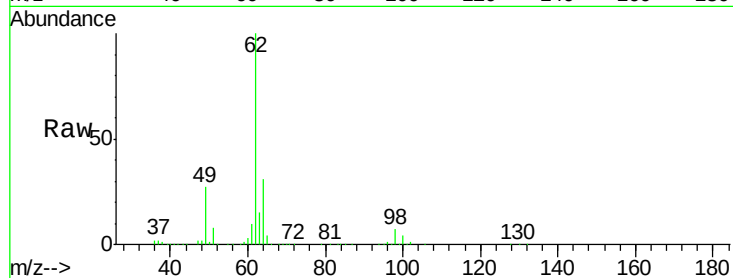
#37
1,2-Dichloroethane
Concen: 9.937 ppbv
RT: 6.30 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080621

Tot Ion: 62 Resp: 1299628
Ion Ratio Lower Upper
62 100
98 7.4 5.6 8.4

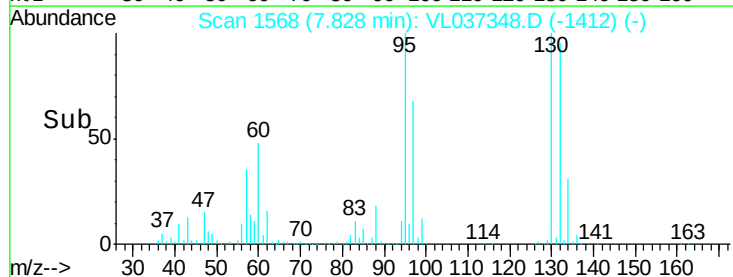
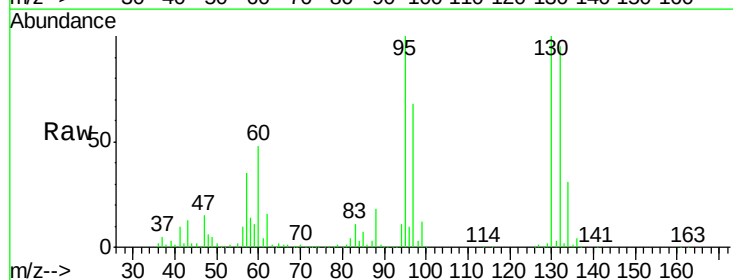
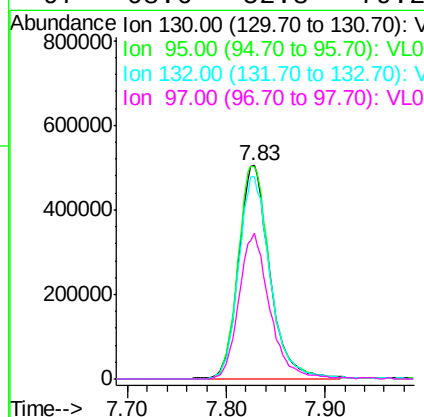
Manual Integrations
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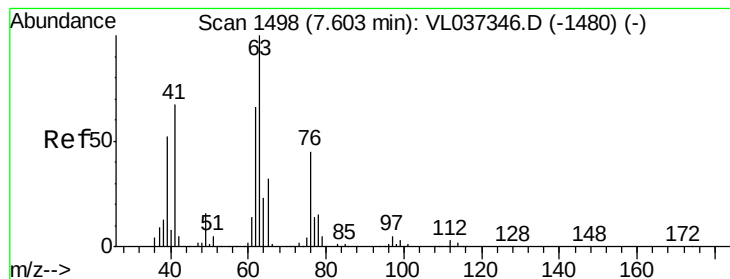
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#38
Trichloroethene
Concen: 8.963 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Tgt Ion:130 Resp: 1098317
Ion Ratio Lower Upper
130 100
95 99.8 82.8 124.2
132 95.2 74.9 112.3
97 68.6 52.8 79.2





#39

1,2-Dichloropropane

Concen: 10.398 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

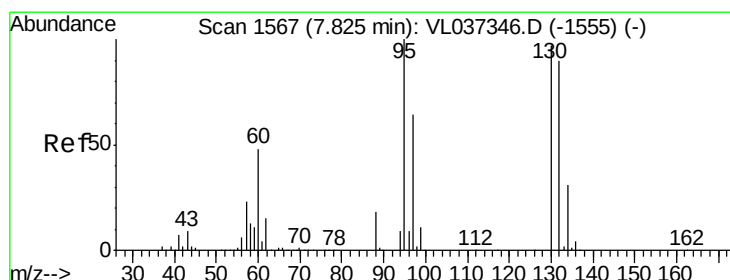
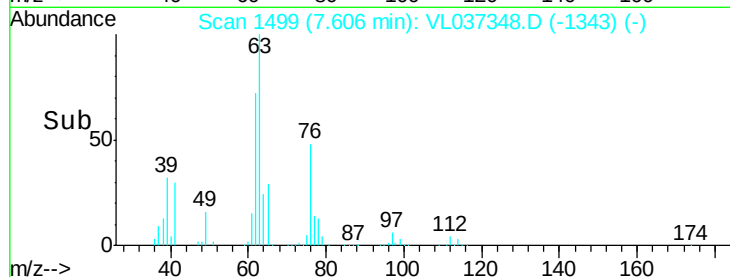
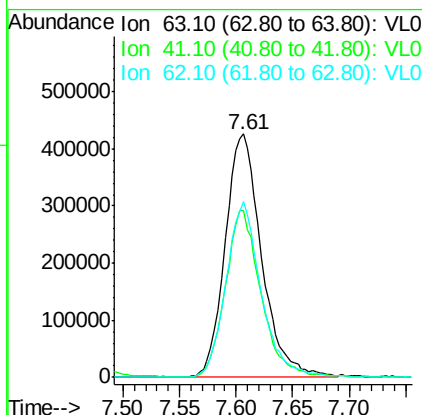
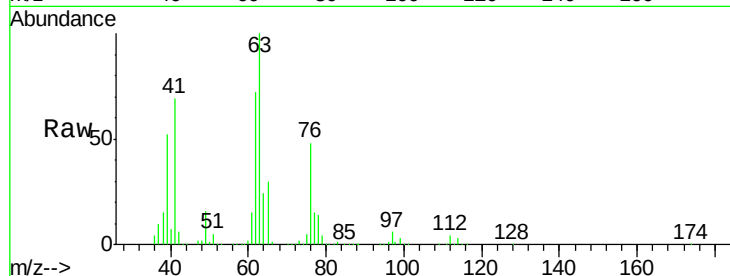
ClientSampleId :

ICVVL080621

Tot Ion:	63	Resp:	947569
Ion	Ratio	Lower	Upper
63	100		
41	68.6	53.9	80.9
62	72.0	53.0	79.6

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.954 ppbv m

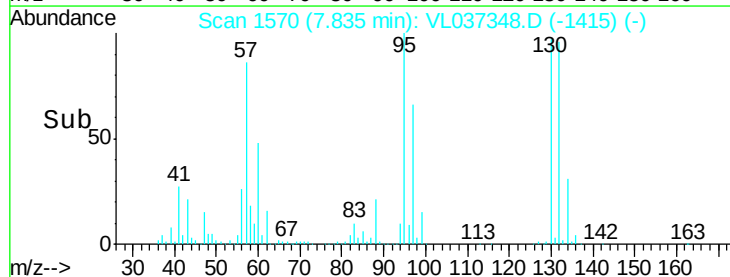
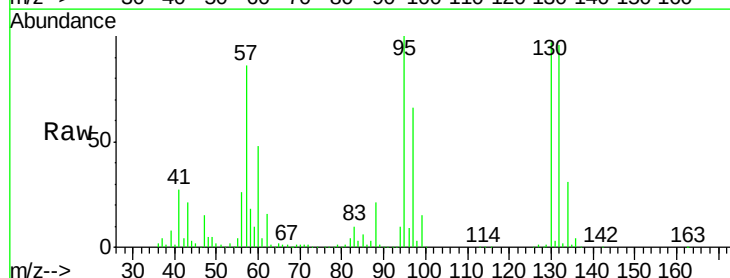
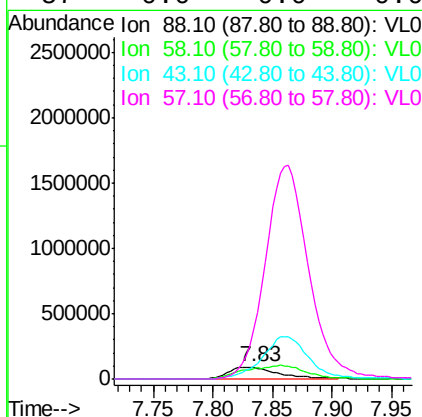
RT: 7.83 min Scan# 1570

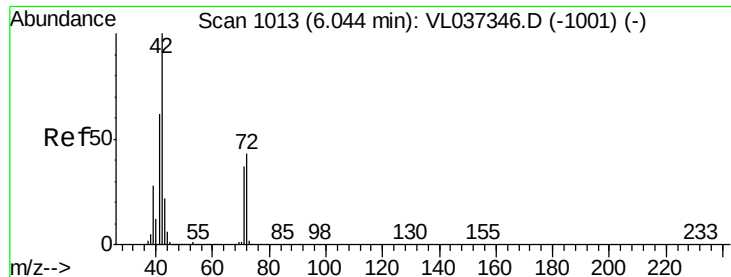
Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Tgt Ion:	88	Resp:	266290
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





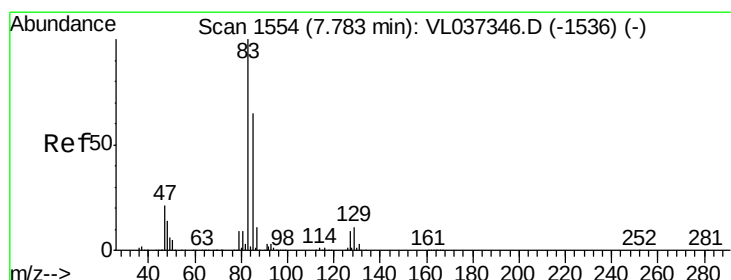
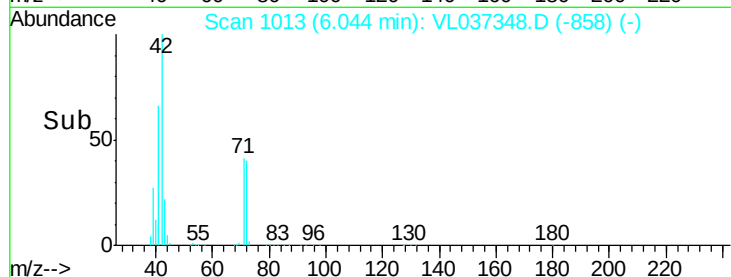
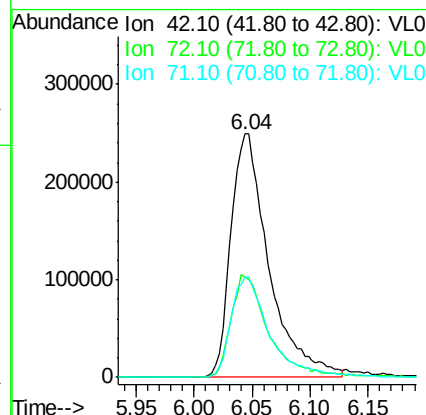
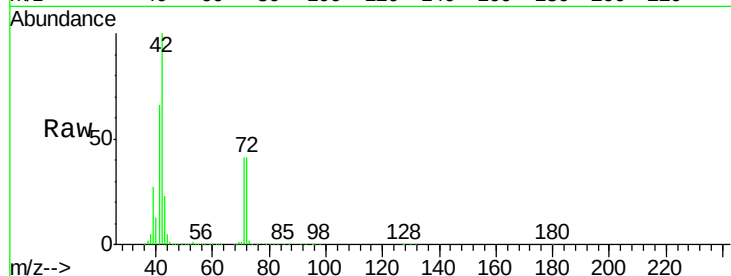
#41
Tetrahydrofuran
Concen: 10.476 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080621

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	35.6	53.4
71	42.4	33.8	50.6

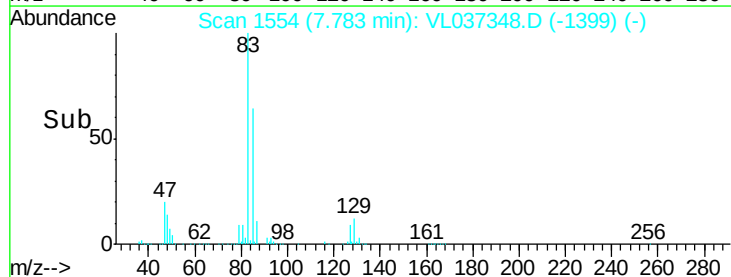
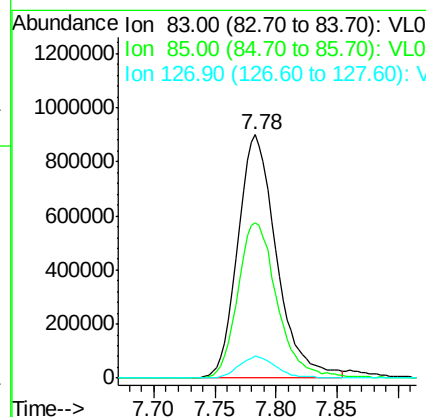
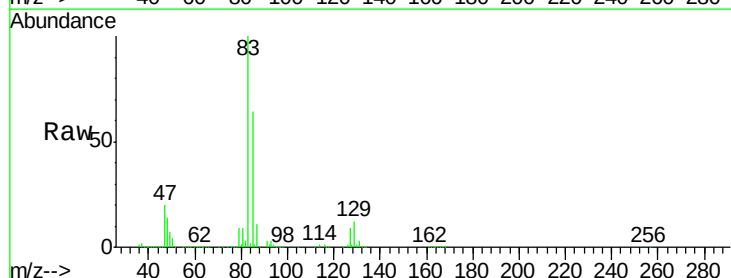
Manual Integrations
APPROVED

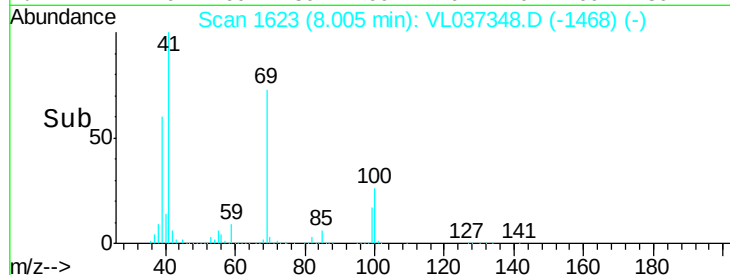
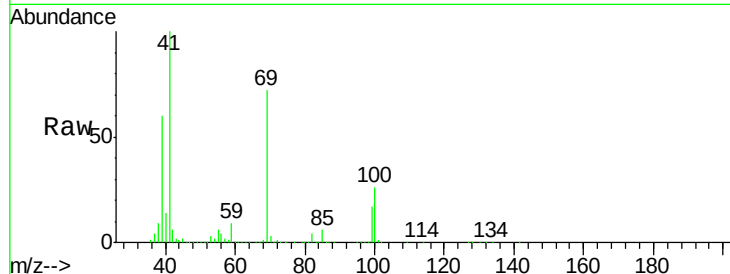
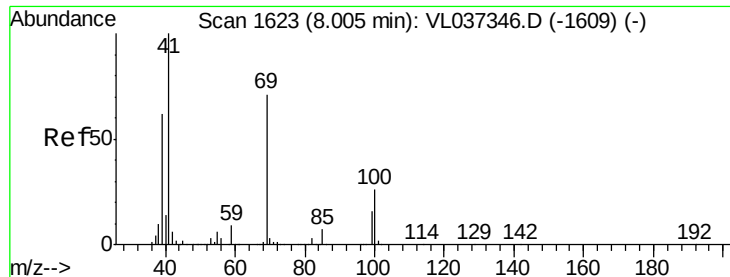
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#42
Bromodichloromethane
Concen: 10.544 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.1	78.1
127	9.2	7.0	10.6





#43

Methyl Methacrylate

Concen: 10.917 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Tot Ion:	69	Resp:	888463
Ion	Ratio	Lower	Upper
69	100		
41	142.2	115.0	172.4
100	37.1	30.1	45.1

Instrument :

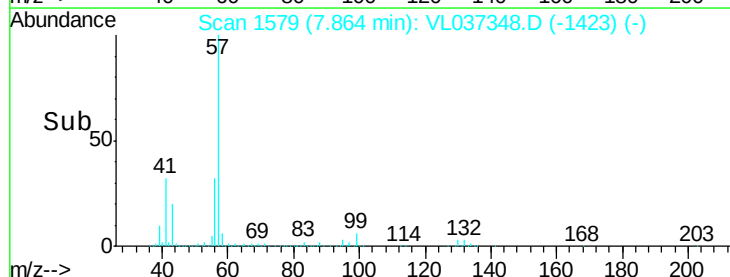
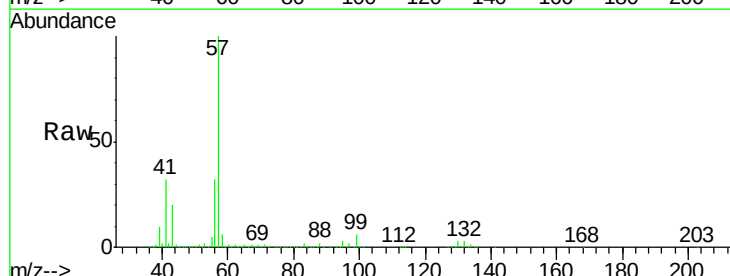
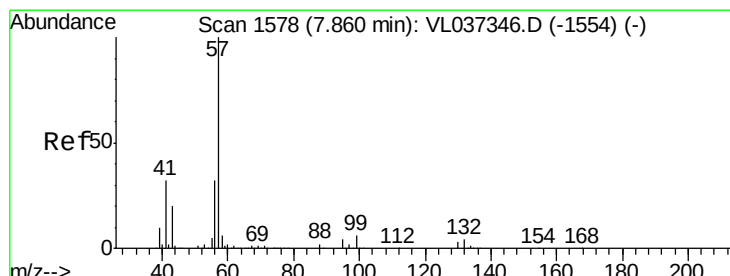
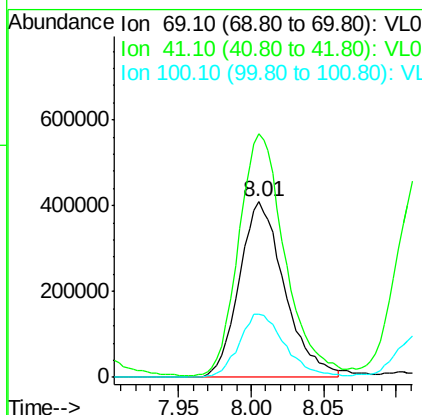
MSVOA_L

ClientSampleId :

ICVVL080621

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 9.974 ppbv

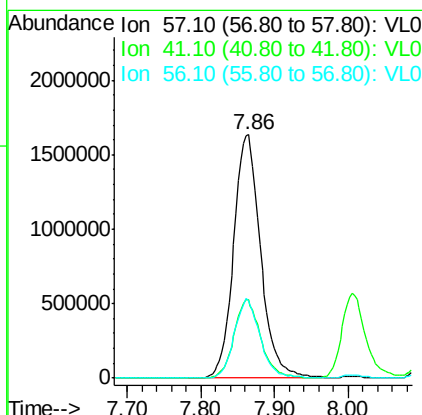
RT: 7.86 min Scan# 1579

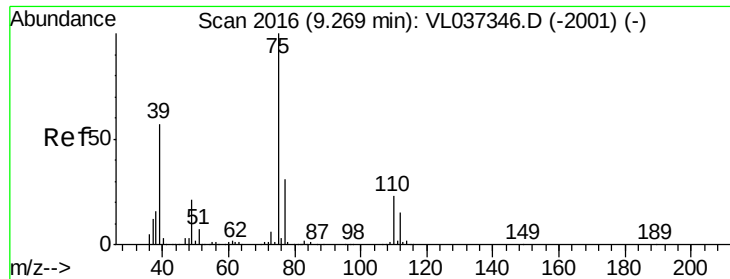
Delta R.T. 0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Tgt Ion:	57	Resp:	4171178
Ion	Ratio	Lower	Upper
57	100		
41	31.7	26.1	39.1
56	31.1	25.0	37.4





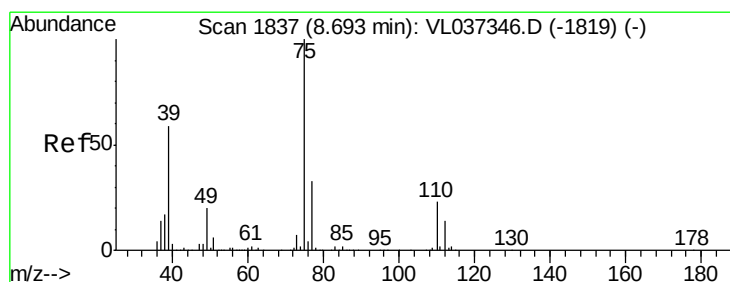
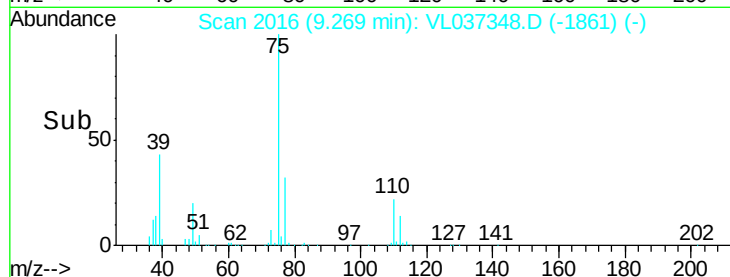
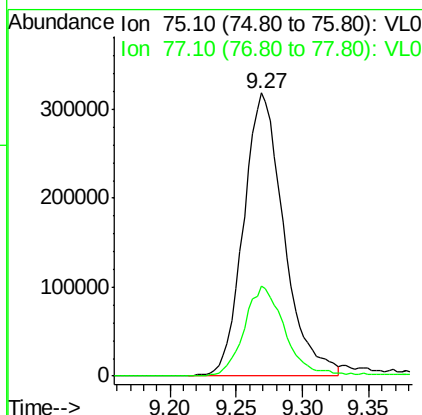
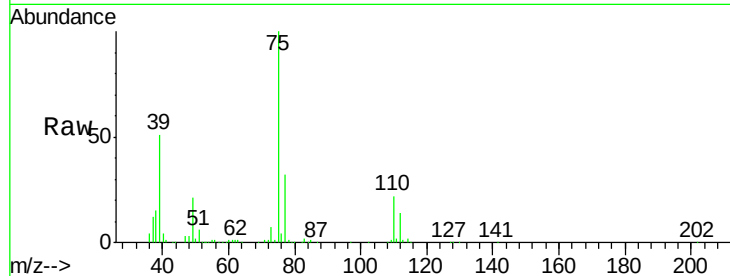
#45
 t-1,3-Dichloropropene
 Concen: 12.762 ppbv
 RT: 9.27 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VL037348.D
 Acq: 6 Aug 2021 17:25

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080621

Tot Ion: 75 Resp: 673482
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.7 37.1

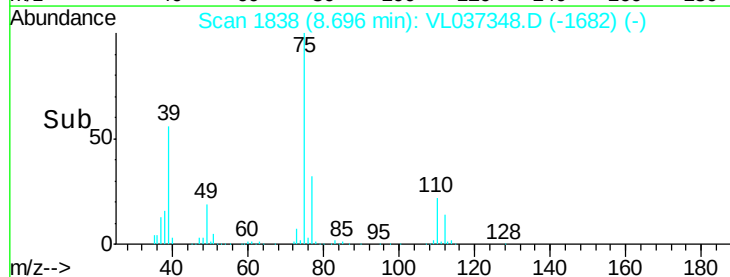
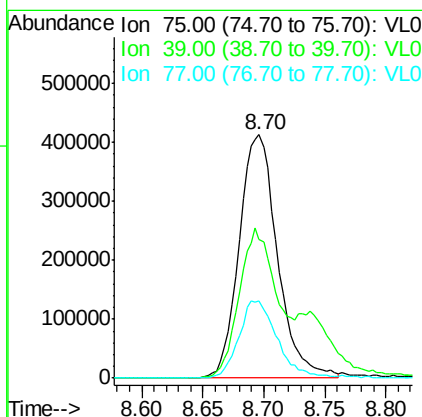
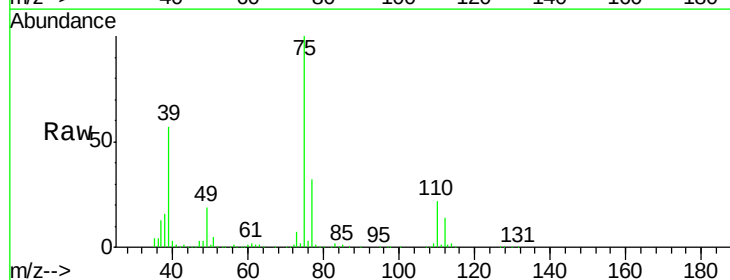
Manual Integrations
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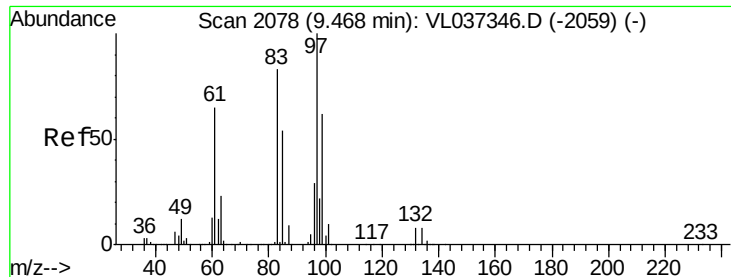
MMDadoda
 8/10/2021 6:09:40 PM



#46
 cis-1,3-Dichloropropene
 Concen: 11.913 ppbv
 RT: 8.70 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VL037348.D
 Acq: 6 Aug 2021 17:25

Tgt Ion: 75 Resp: 894673
 Ion Ratio Lower Upper
 75 100
 39 56.7 47.2 70.8
 77 31.8 26.2 39.4





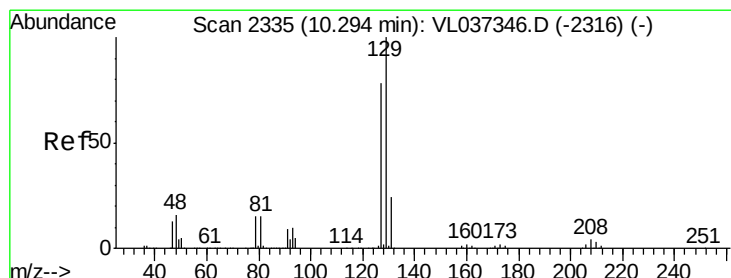
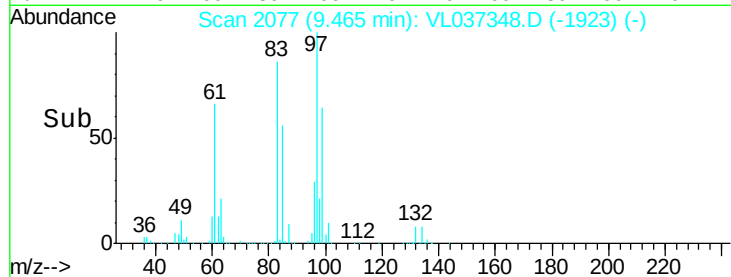
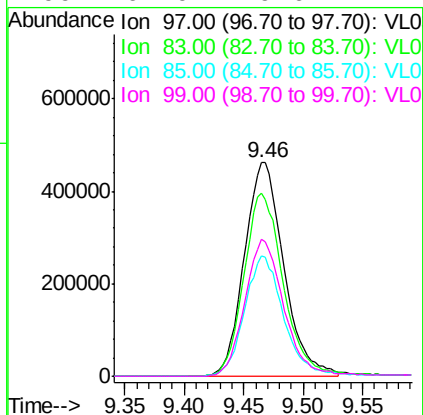
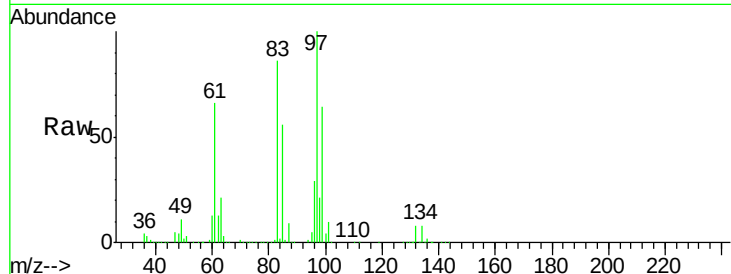
#47
 1,1,2-Trichloroethane
 Concen: 10.077 ppbv
 RT: 9.46 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: VL037348.D
 Acq: 6 Aug 2021 17:25

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080621

Tot Ion	97	Resp	1060810
Ion	Ratio	Lower	Upper
97	100		
83	85.6	66.1	99.1
85	56.2	43.1	64.7
99	64.0	49.6	74.4

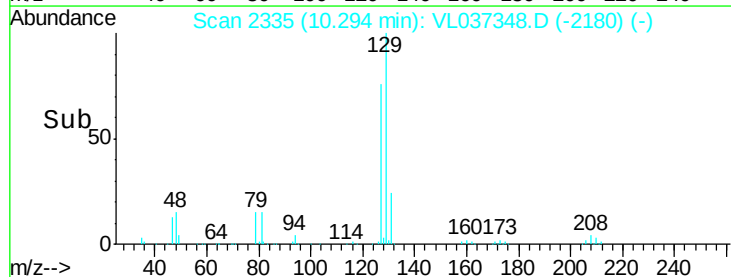
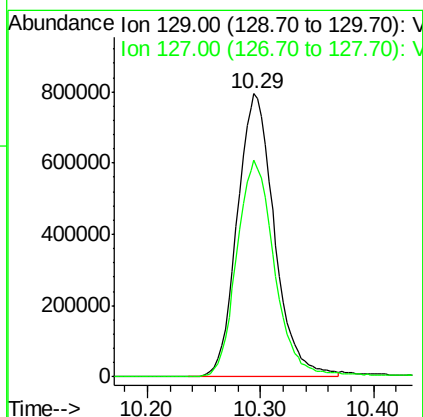
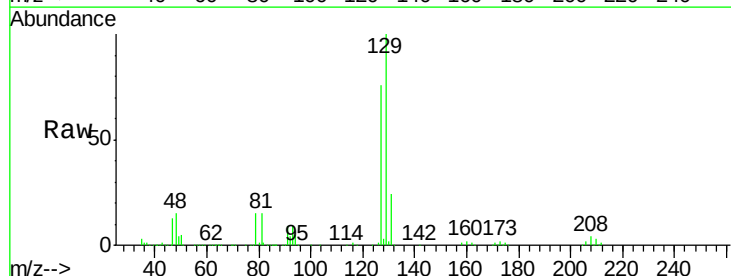
Manual Integrations
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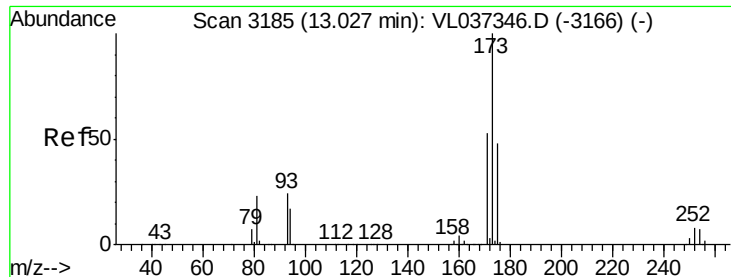
MMDadoda
 8/10/2021 6:09:40 PM



#48
 Dibromochloromethane
 Concen: 11.191 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. -0.00 min
 Lab File: VL037348.D
 Acq: 6 Aug 2021 17:25

Tgt Ion	129	Resp	1819337
Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.8





#49

Bromoform

Concen: 12.672 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion:173 Resp: 1507464

Ion Ratio Lower Upper

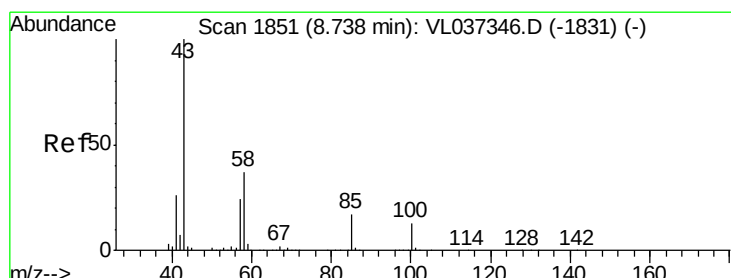
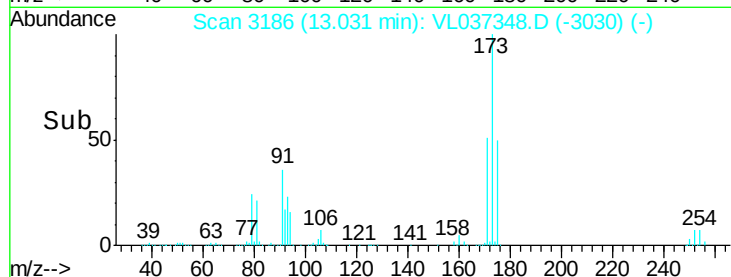
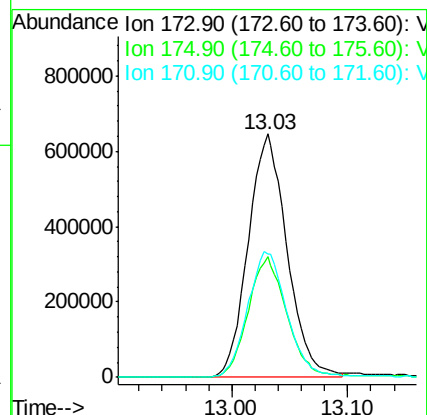
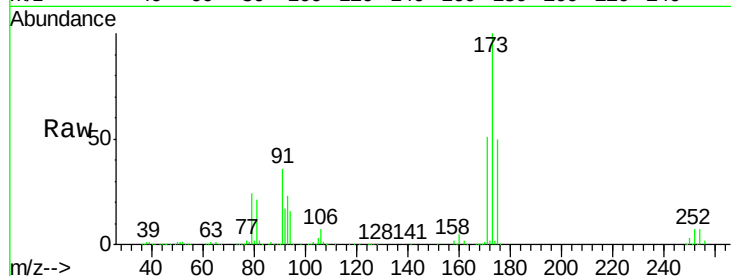
173 100

175 50.6 39.6 59.4

171 53.4 42.2 63.4

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#50

4-Methyl-2-Pentanone

Concen: 10.335 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VL037348.D

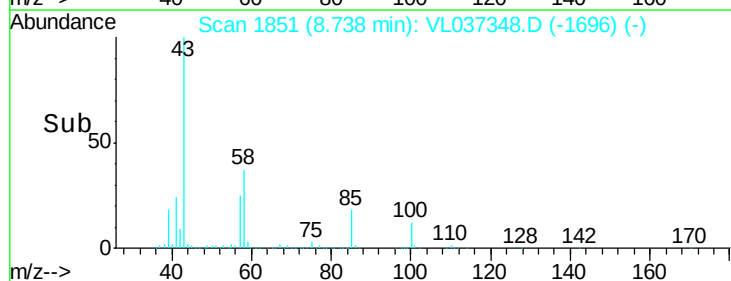
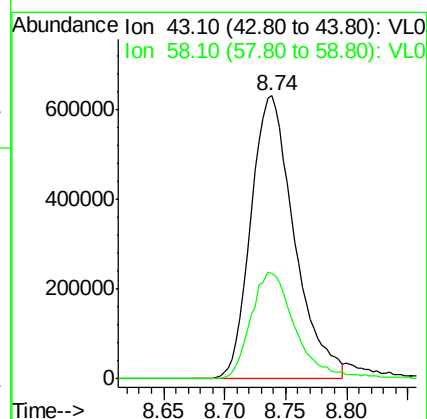
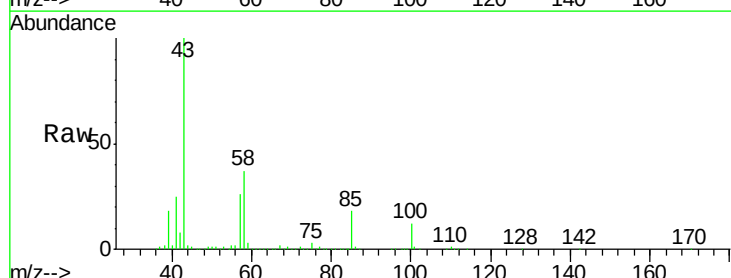
Acq: 6 Aug 2021 17:25

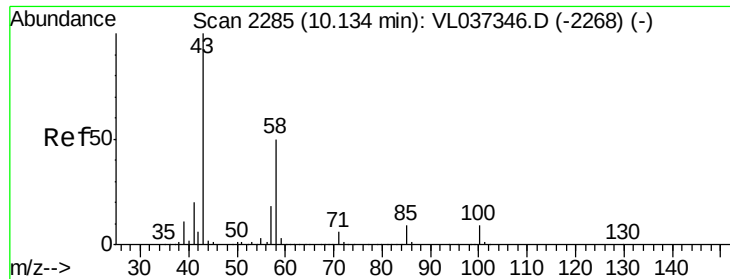
Tgt Ion: 43 Resp: 1552954

Ion Ratio Lower Upper

43 100

58 39.3 29.9 44.9





#51

2-Hexanone

Concen: 10.403 ppbv

RT: 10.13 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion: 43 Resp: 783214

Ion Ratio Lower Upper

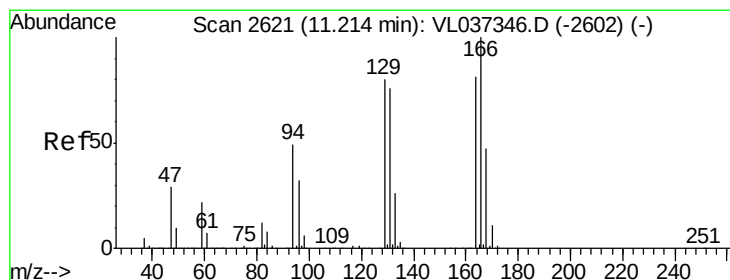
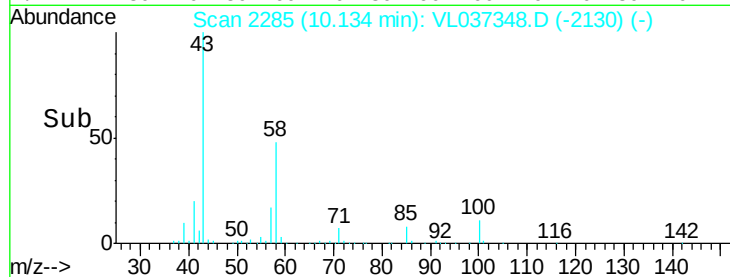
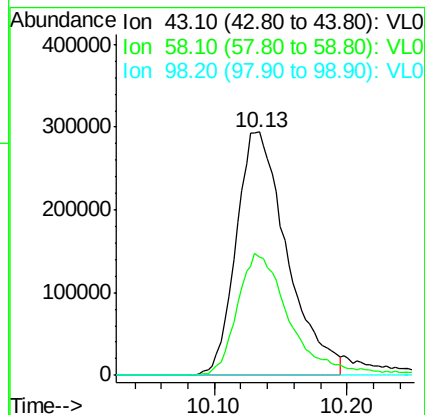
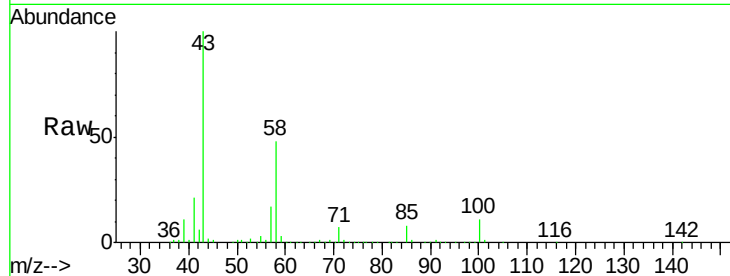
43 100

58 52.8 41.0 61.6

98 0.3 0.2 0.2#

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#52

Tetrachloroethene

Concen: 8.958 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Tgt Ion:164 Resp: 1068478

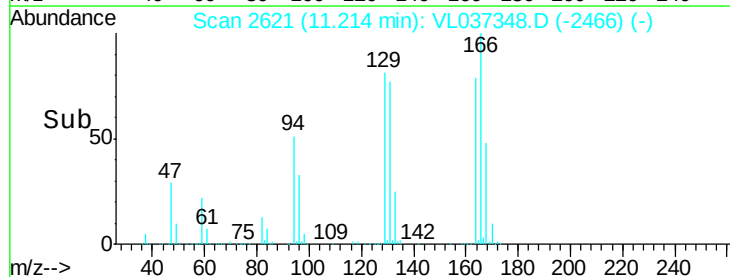
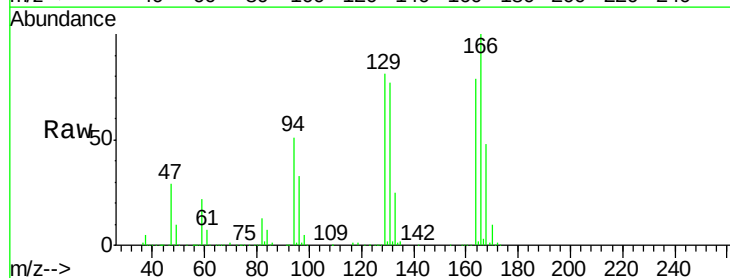
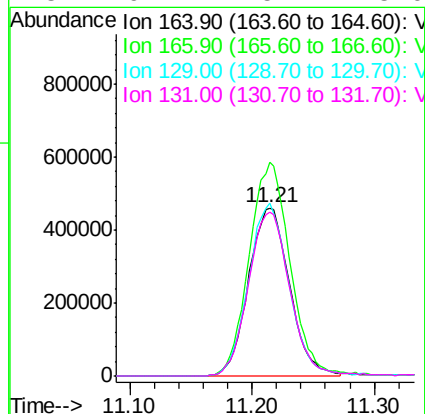
Ion Ratio Lower Upper

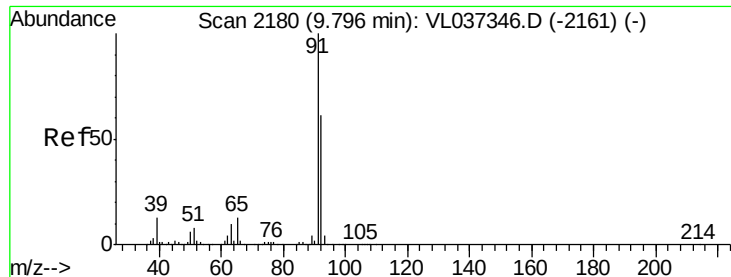
164 100

166 126.9 99.4 149.0

129 102.8 79.2 118.8

131 97.4 75.4 113.0





#53

Toluene

Concen: 10.503 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion: 91 Resp: 3062027

Ion Ratio Lower Upper

91 100

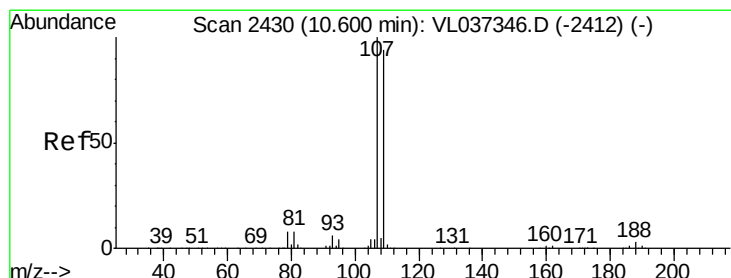
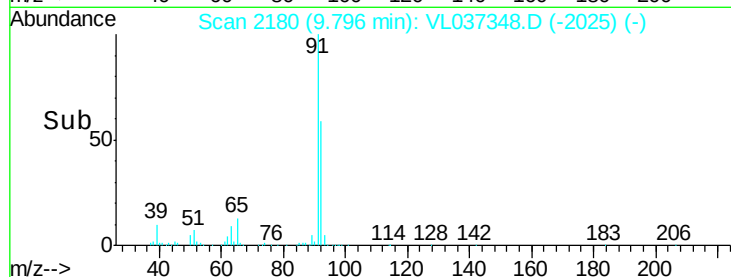
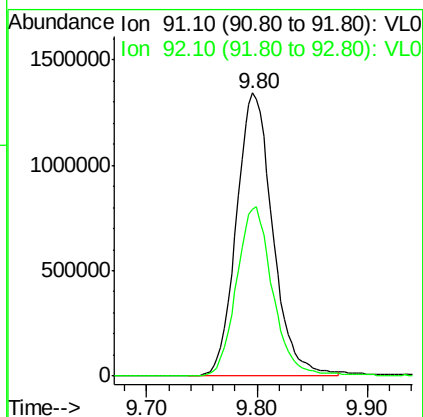
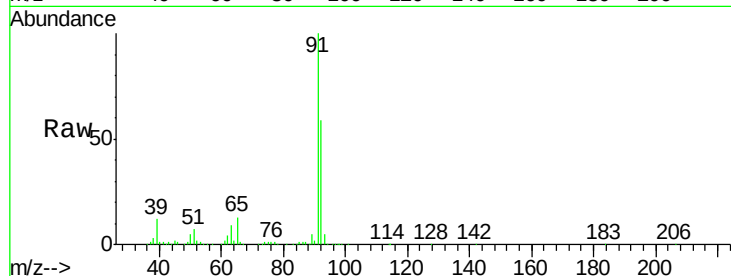
92 60.5 48.2 72.4

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.477 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VL037348.D

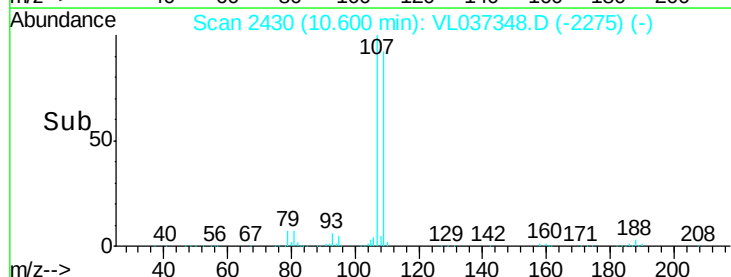
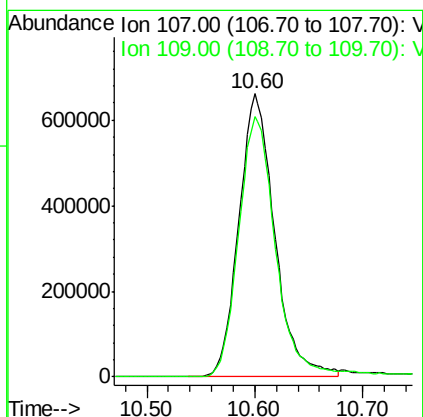
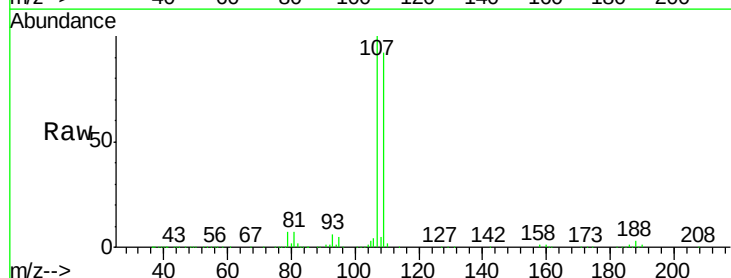
Acq: 6 Aug 2021 17:25

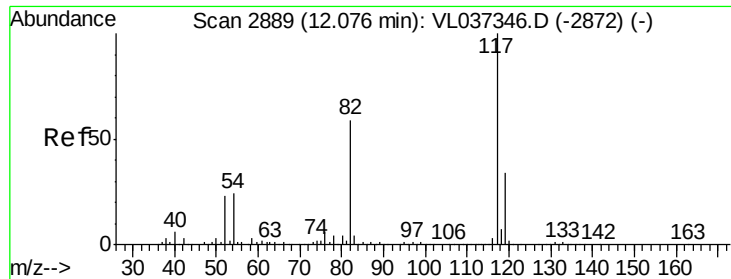
Tgt Ion: 107 Resp: 1523572

Ion Ratio Lower Upper

107 100

109 91.8 75.1 112.7





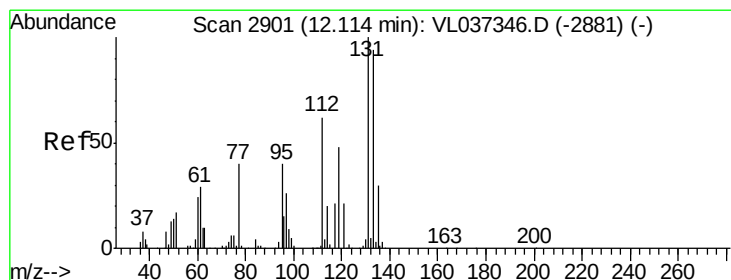
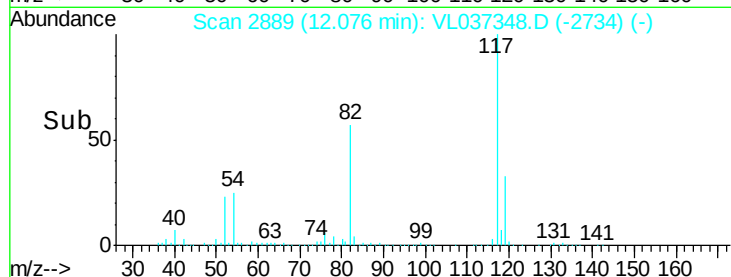
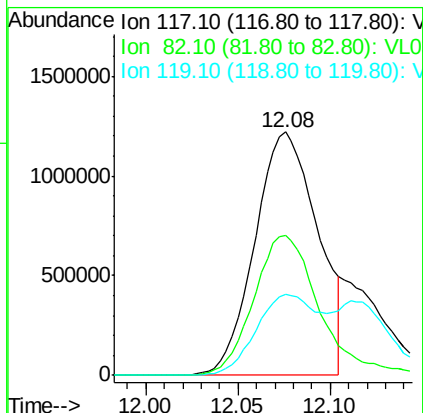
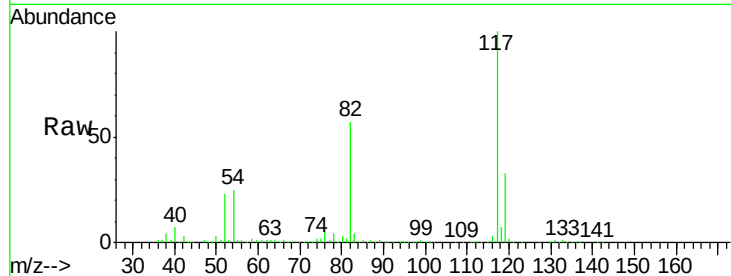
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080621

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.0	46.0	69.0
119	35.1	24.4	36.6

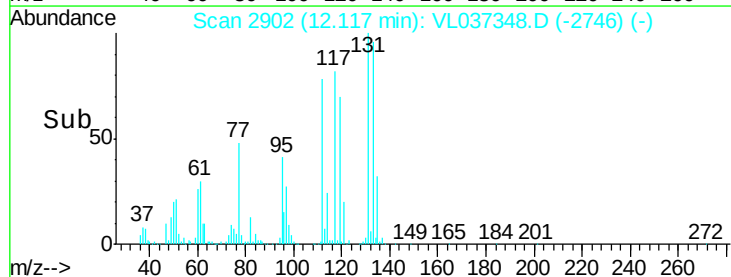
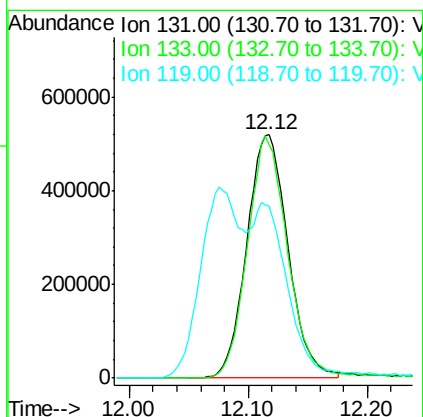
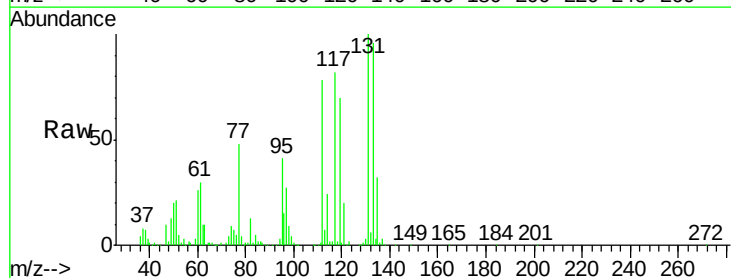
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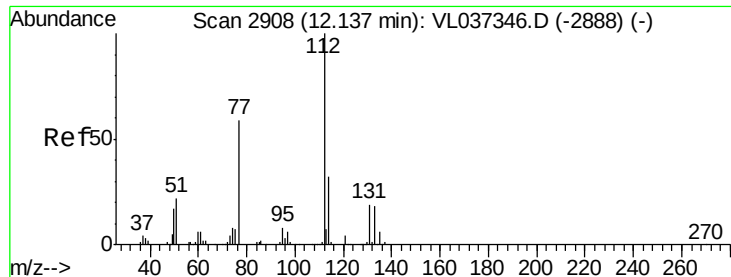
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.105 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.9	76.6	114.8
119	66.5	51.8	77.6





#57

Chlorobenzene

Concen: 9.861 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion:112 Resp: 2248483

Ion Ratio Lower Upper

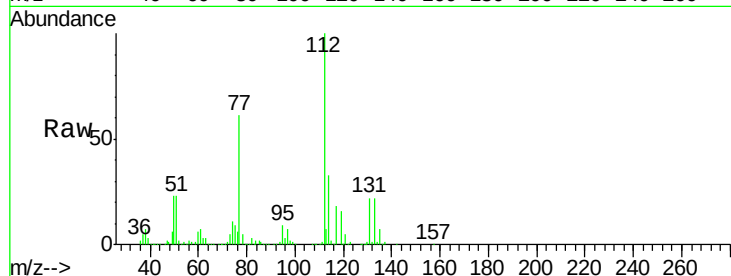
112 100

77 60.2 48.1 72.1

114 32.8 29.0 35.4

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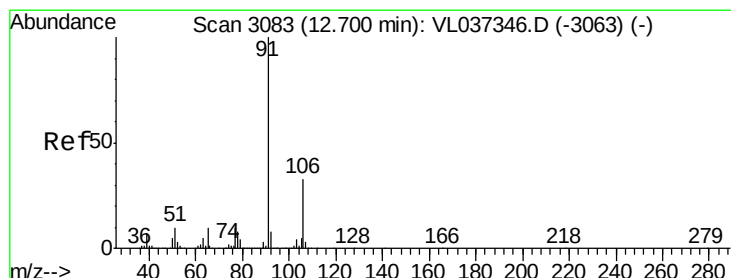
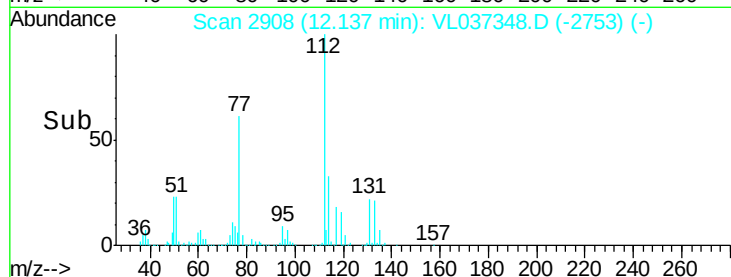
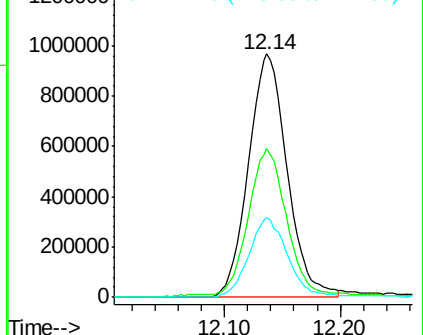
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.356 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. -0.00 min

Lab File: VL037348.D

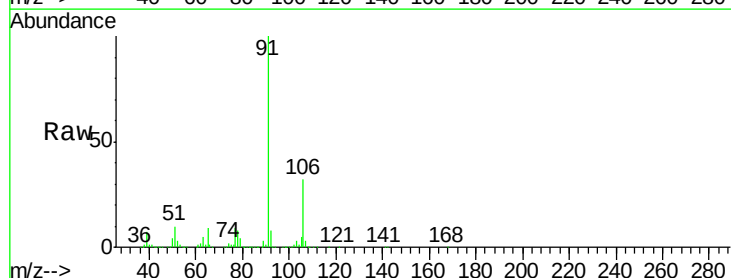
Acq: 6 Aug 2021 17:25

Tgt Ion: 91 Resp: 3939681

Ion Ratio Lower Upper

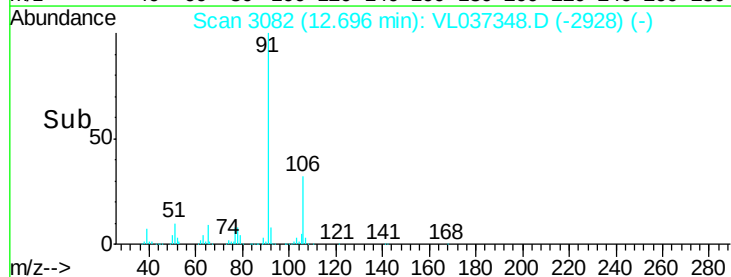
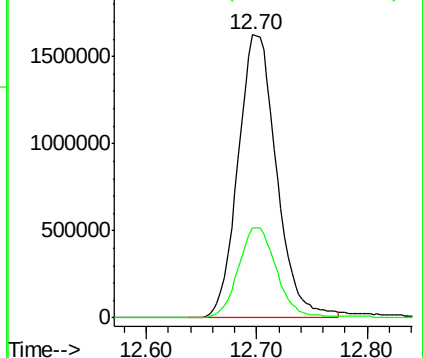
91 100

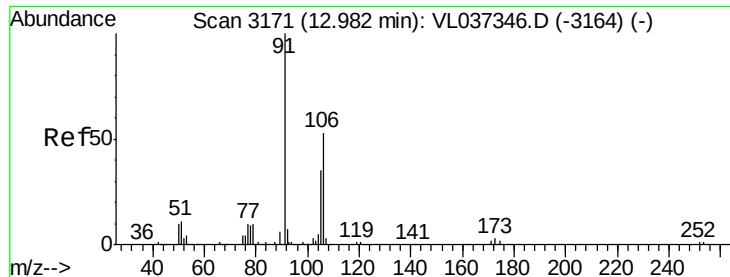
106 32.0 26.2 39.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





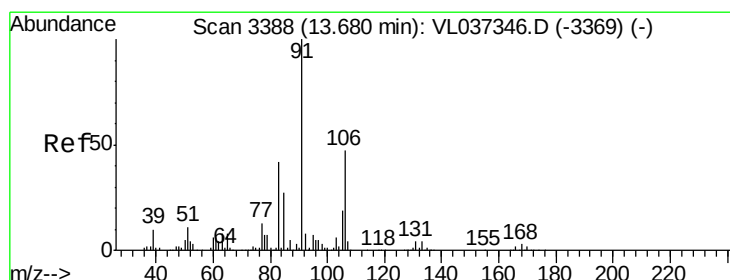
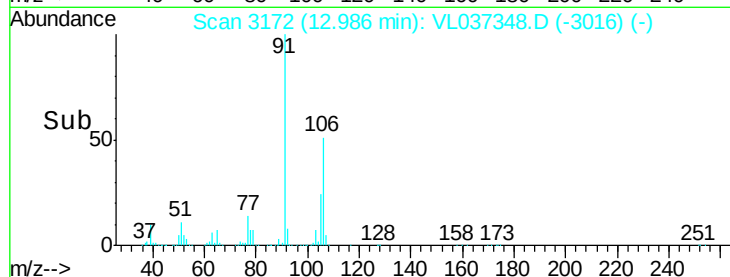
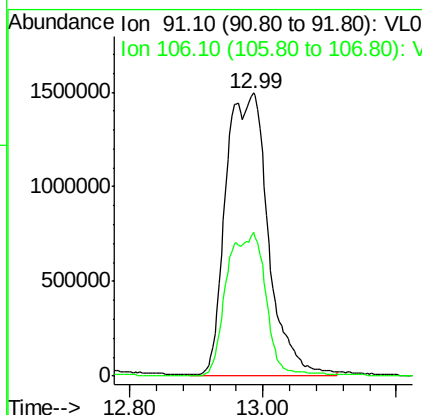
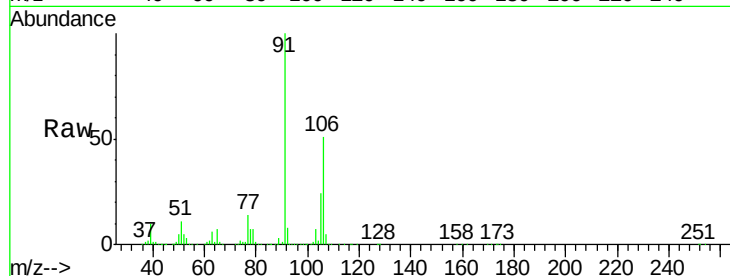
#59
m/p-Xylene
Concen: 19.974 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Instrument :
MSVOA_L
ClientSampled :
ICVVL080621

Tot Ion: 91 Resp: 6607137
Ion Ratio Lower Upper
91 100
106 46.9 37.0 55.6

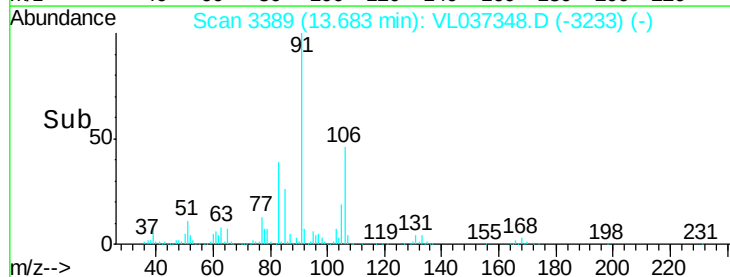
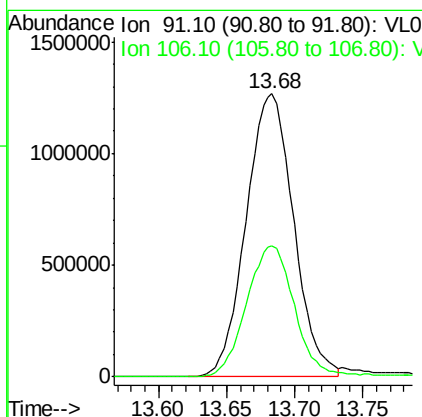
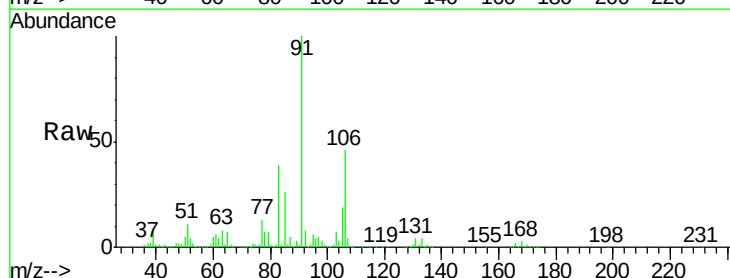
Manual Integrations
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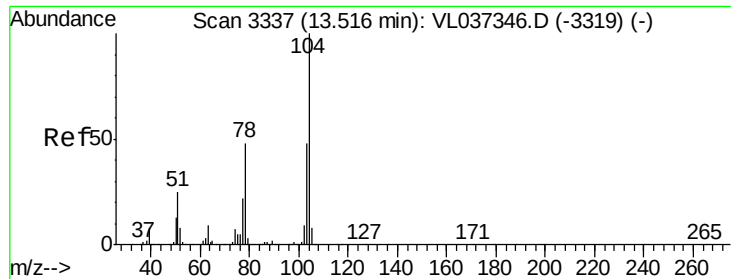
MMDadoda
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#60
o-Xylene
Concen: 9.966 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Tgt Ion: 91 Resp: 3055494
Ion Ratio Lower Upper
91 100
106 48.0 23.1 69.3





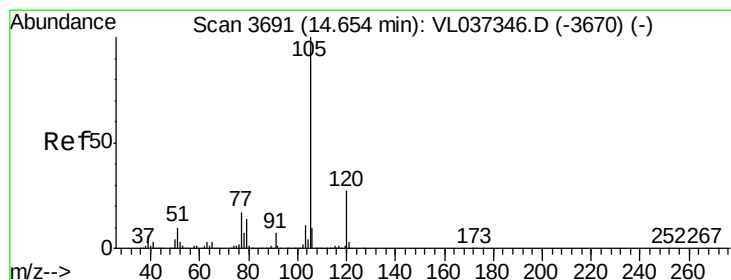
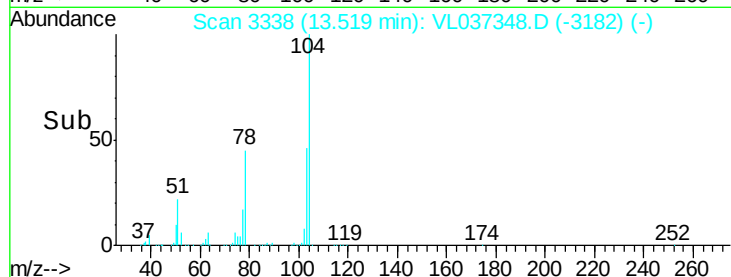
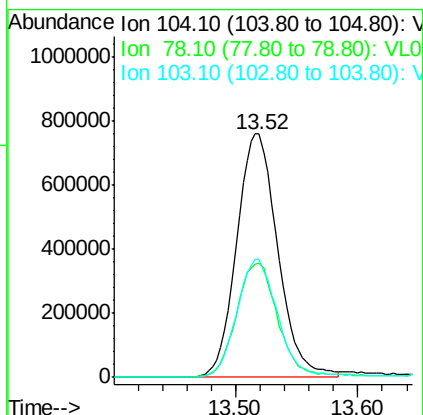
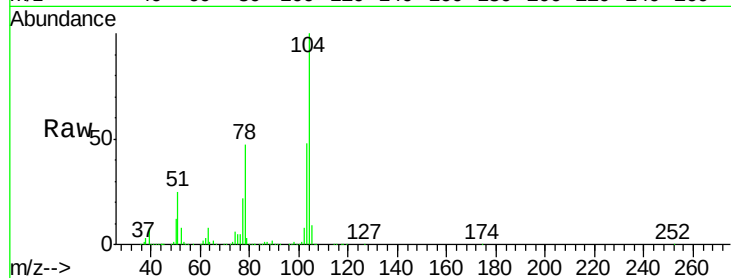
#61
Stvrene
Concen: 11.185 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. 0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080621

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.2	57.4
103	49.2	38.3	57.5

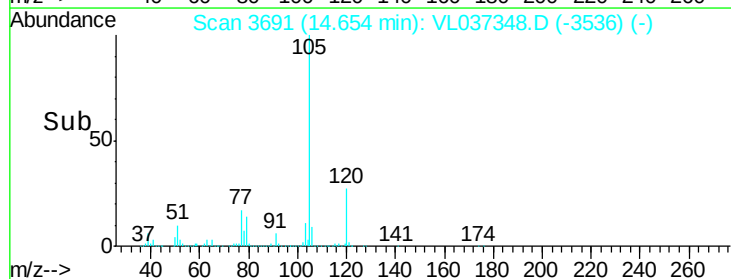
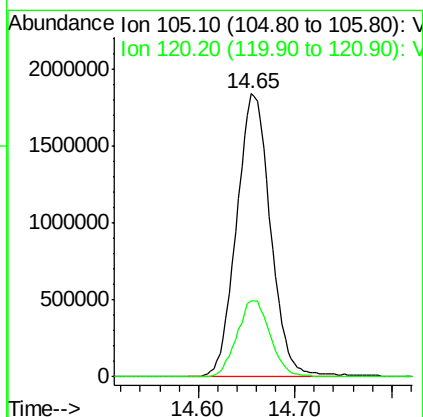
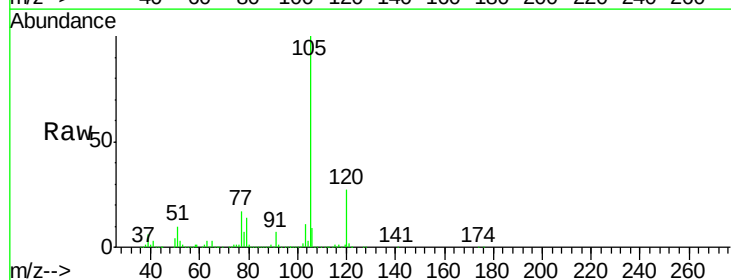
Manual Integrations
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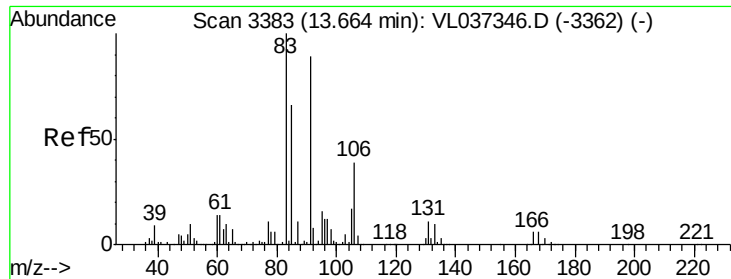
MMDadoda
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#62
Isopropylbenzene
Concen: 9.958 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. -0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.4	32.2





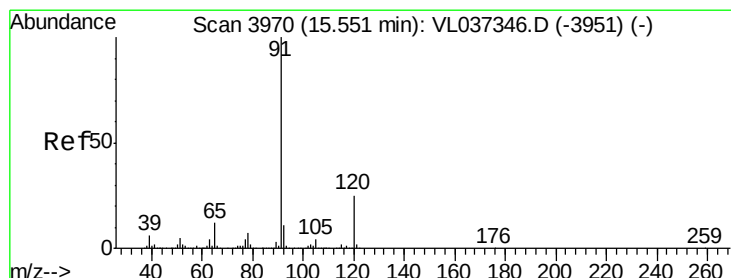
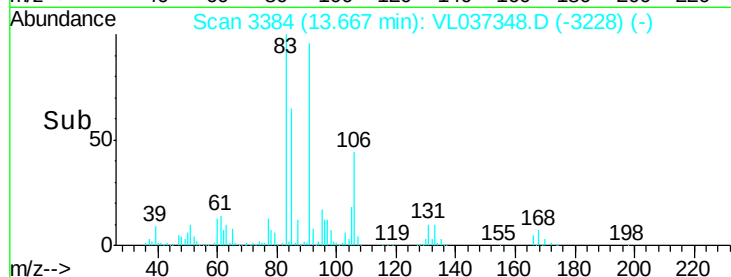
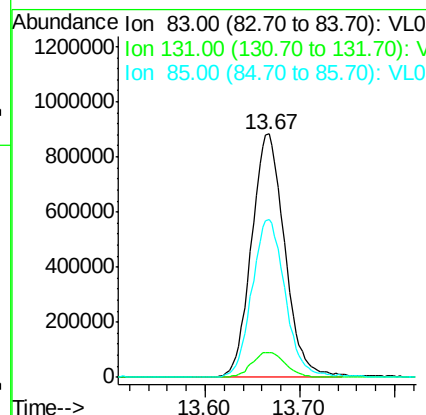
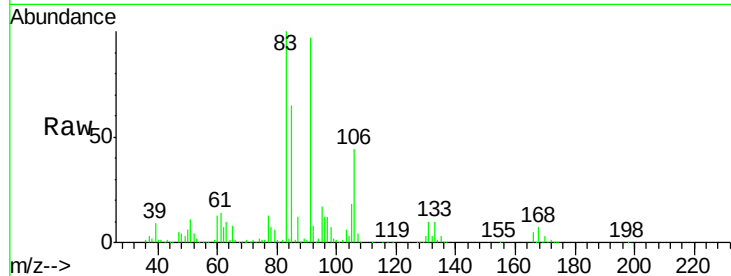
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.961 ppbv
 RT: 13.67 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VL037348.D
 Acq: 6 Aug 2021 17:25

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080621

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	16.1
85	65.9	33.1	99.2

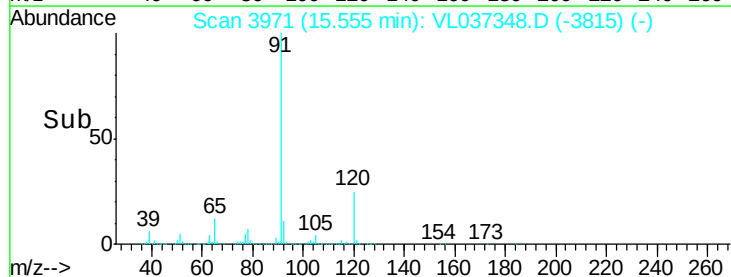
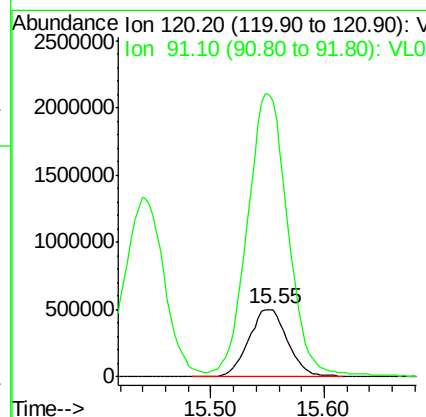
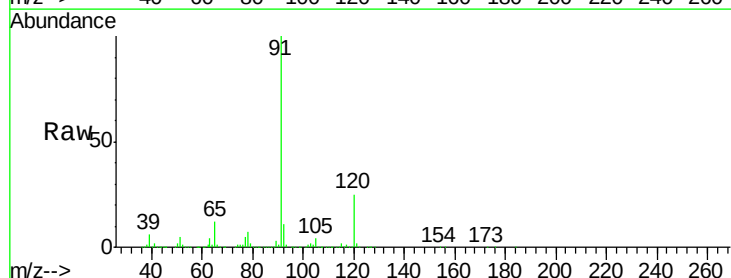
Manual Integrations
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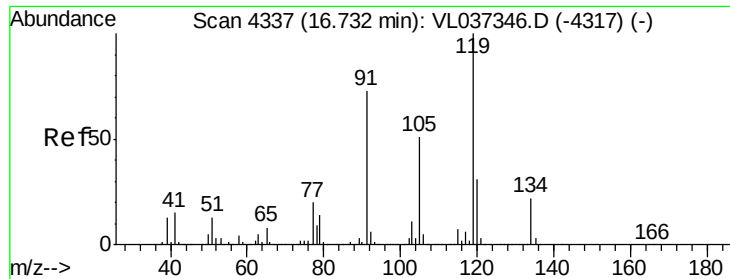
MMDadoda
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#64
 n-propylbenzene
 Concen: 10.505 ppbv
 RT: 15.55 min Scan# 3971
 Delta R.T. 0.00 min
 Lab File: VL037348.D
 Acq: 6 Aug 2021 17:25

Tgt Ion	Ratio	Lower	Upper
120	100		
91	437.7	344.6	517.0





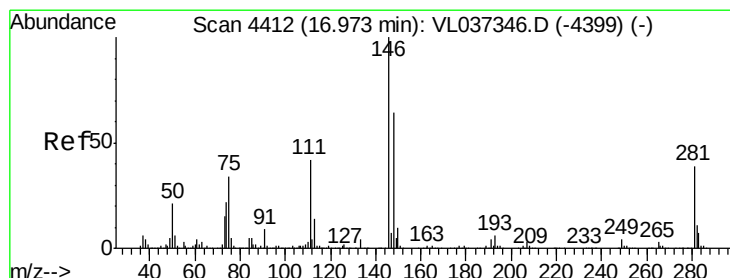
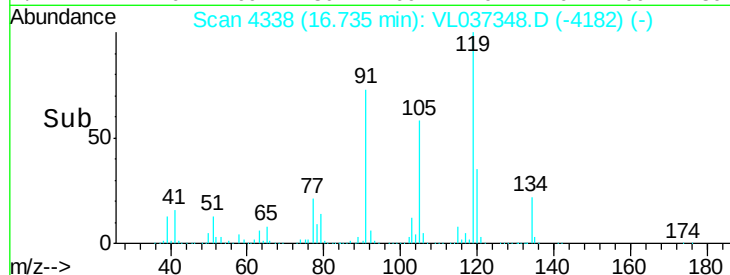
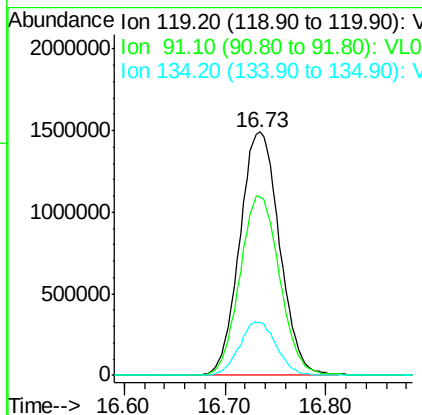
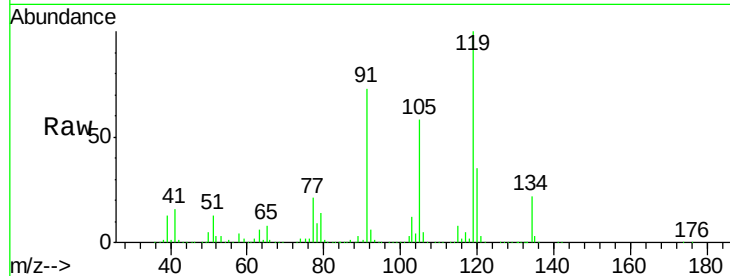
#65
tert-Butylbenzene
Concen: 9.840 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. 0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080621

Tot Ion:119 Resp: 4072301
Ion Ratio Lower Upper
119 100
91 73.8 59.6 89.4
134 20.6 16.6 24.8

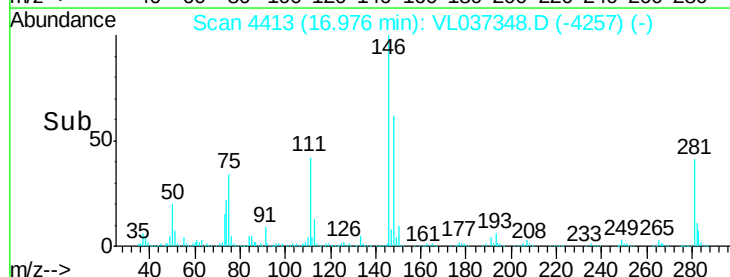
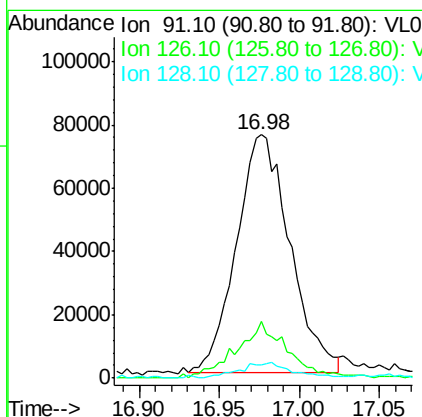
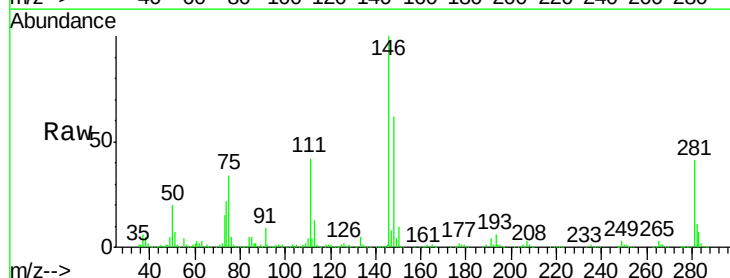
Manual Integrations
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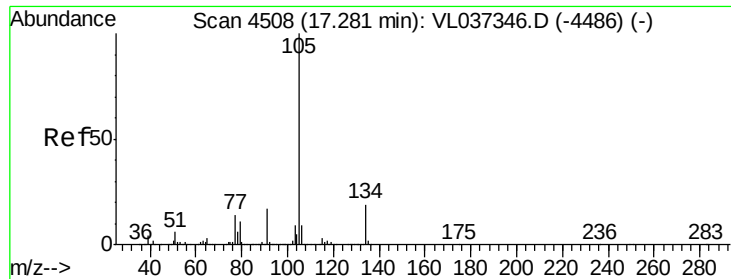
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#66
Benzyl Chloride
Concen: 10.486 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. 0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Tgt Ion: 91 Resp: 172730
Ion Ratio Lower Upper
91 100
126 23.5 19.2 28.8
128 6.8 5.8 8.6





#67

sec-Butylbenzene

Concen: 10.052 ppbv

RT: 17.28 min Scan# 4508

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion: 105 Resp: 5507893

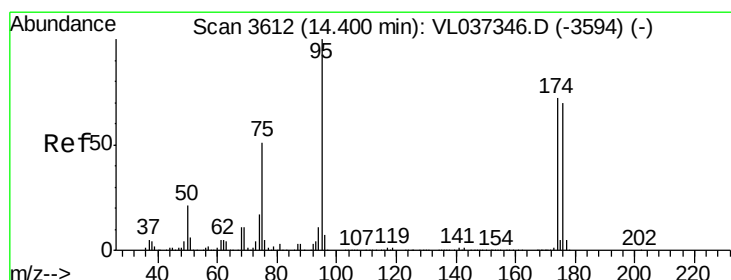
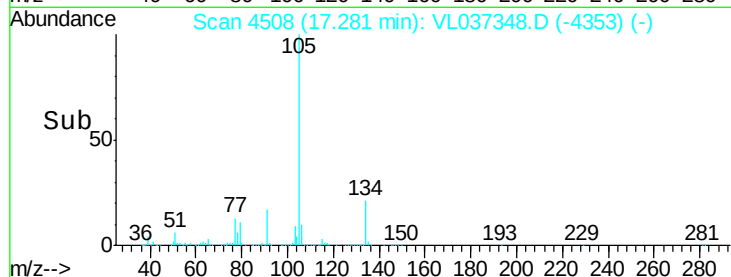
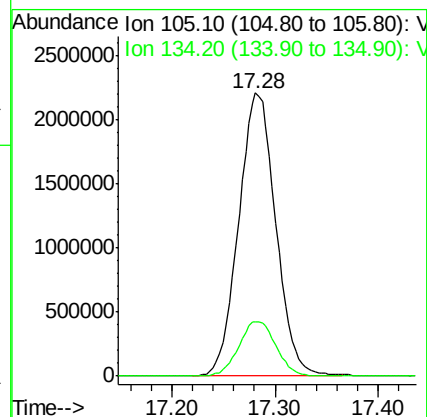
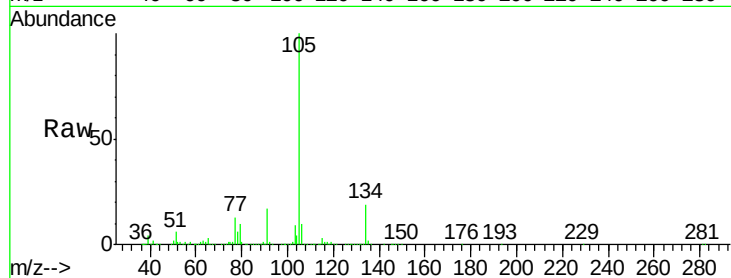
Ion Ratio Lower Upper

105 100

134 19.4 15.6 23.4

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.557 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

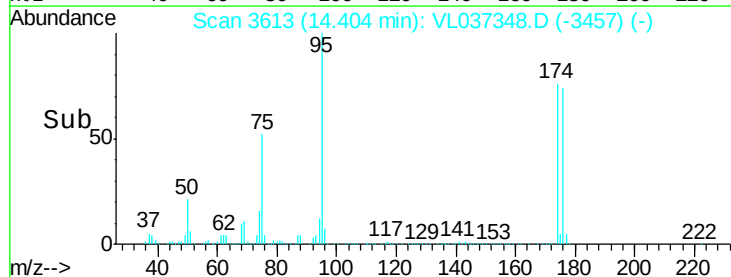
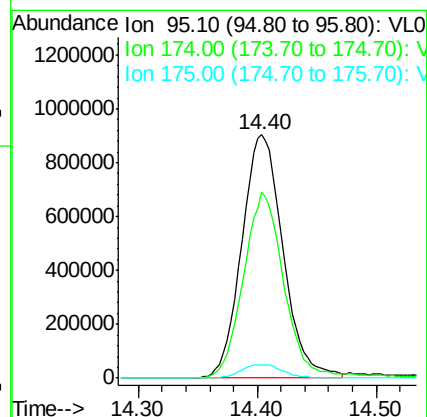
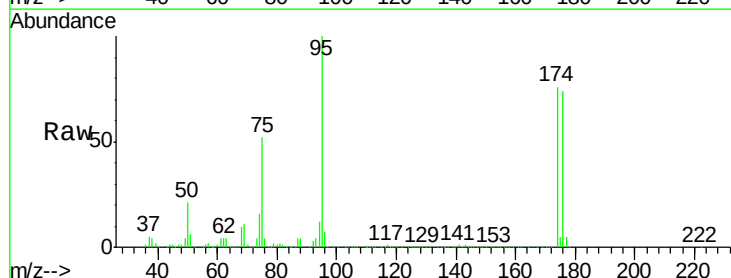
Tgt Ion: 95 Resp: 2164161

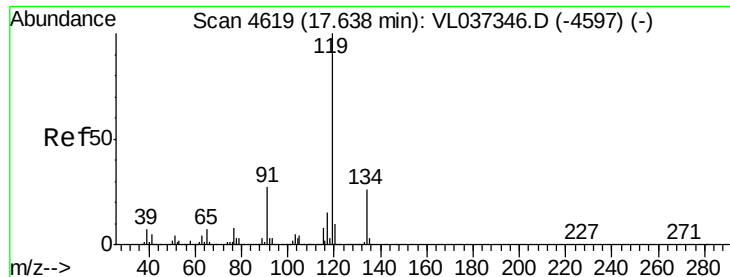
Ion Ratio Lower Upper

95 100

174 76.8 60.8 91.2

175 5.8 4.3 6.5





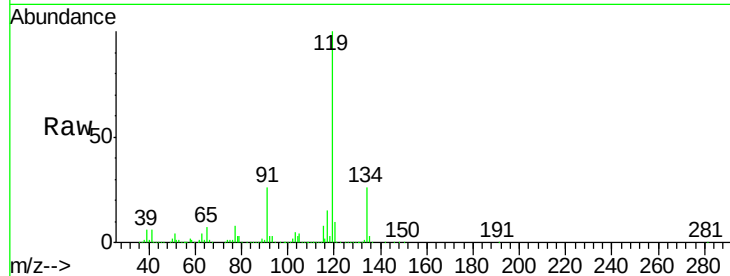
#69
p-Isopropyltoluene
Concen: 10.130 ppbv
RT: 17.64 min Scan# 4620
Delta R.T. 0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080621

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	20.8	31.2
91	25.9	21.0	31.6

Manual Integrations
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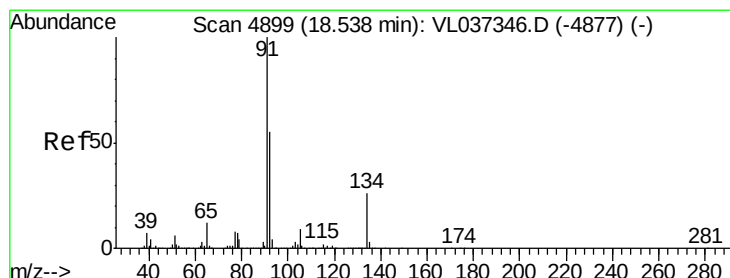
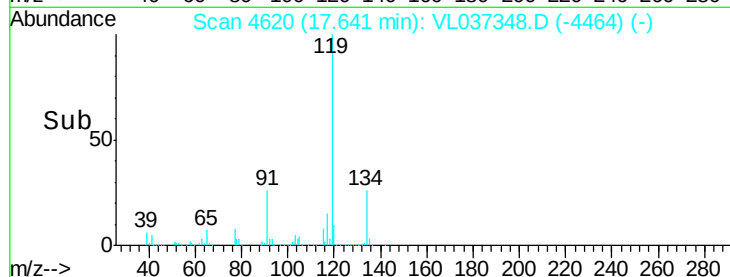
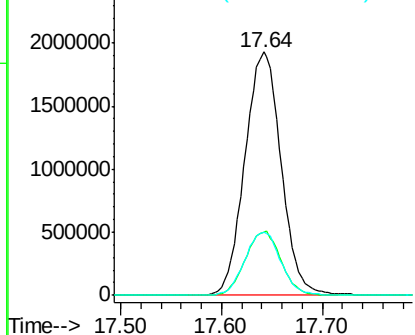


Abundance

Ion 119.10 (118.80 to 119.80): V

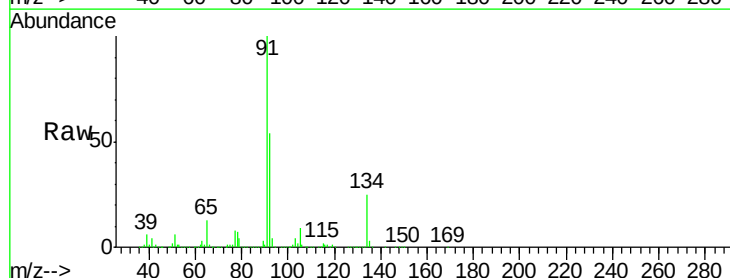
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
n-Butylbenzene
Concen: 10.539 ppbv
RT: 18.54 min Scan# 4900
Delta R.T. 0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.5	65.3
134	25.6	20.4	30.6

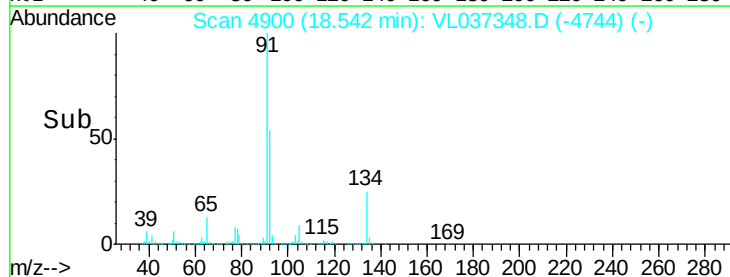
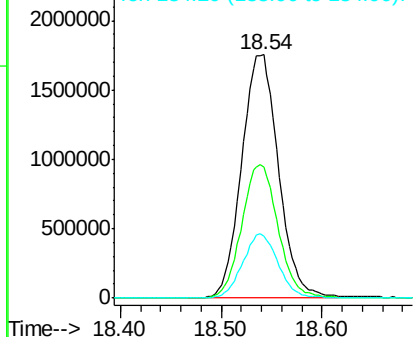


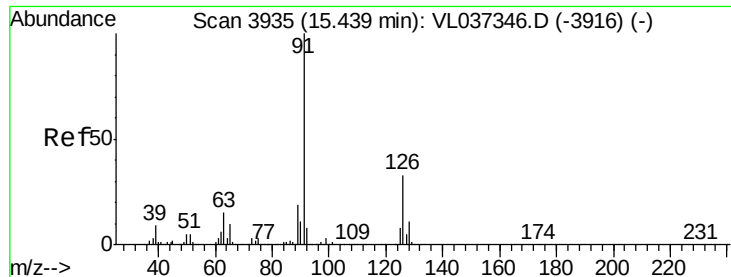
Abundance

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: 10.644 ppbv

RT: 15.44 min Scan# 3935

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion: 91 Resp: 3223411

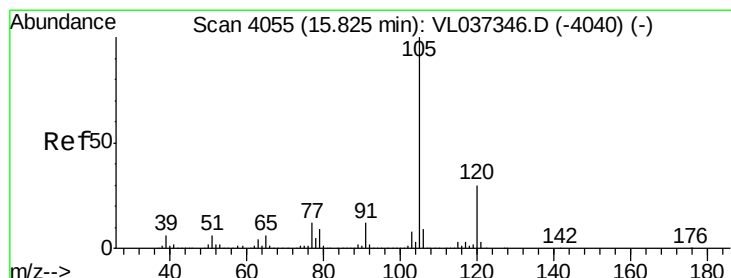
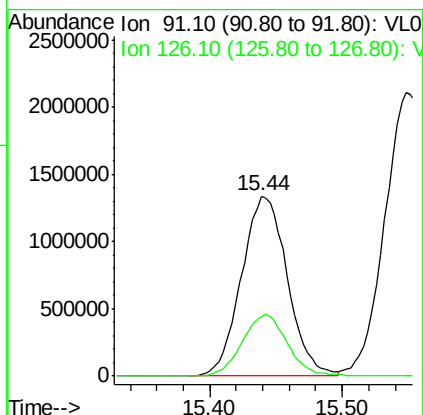
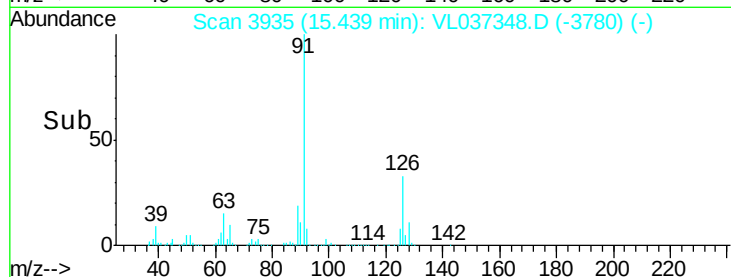
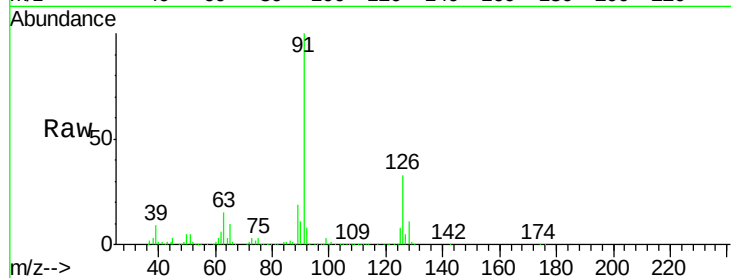
Ion Ratio Lower Upper

91 100

126 34.0 13.4 53.6

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#72

4-Ethyltoluene

Concen: 10.684 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. 0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Tgt Ion:105 Resp: 3873952

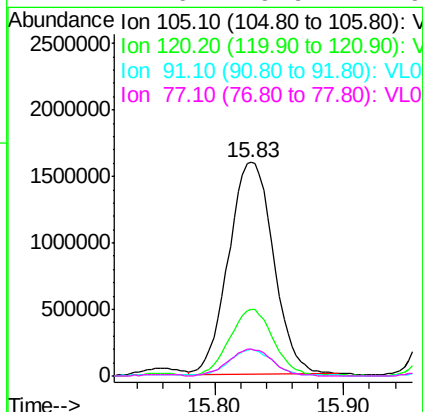
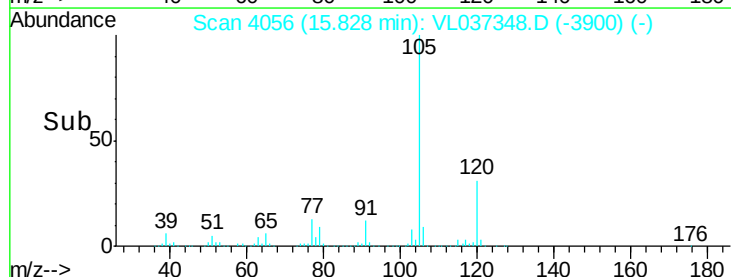
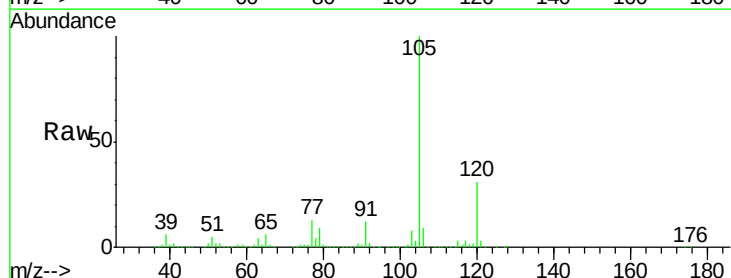
Ion Ratio Lower Upper

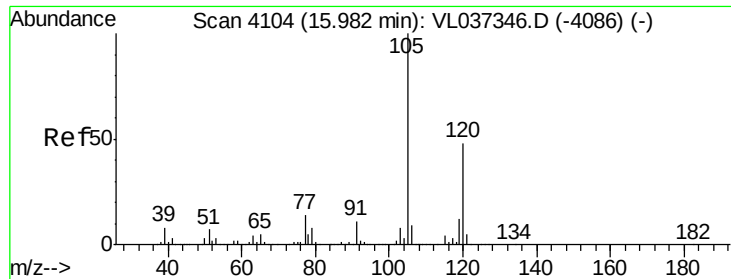
105 100

120 31.0 24.4 36.6

91 11.9 9.8 14.6

77 12.6 9.9 14.9





#73

1,3,5-Trimethylbenzene

Concen: 10.118 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. 0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion:105 Resp: 3464961

Ion Ratio Lower Upper

105 100

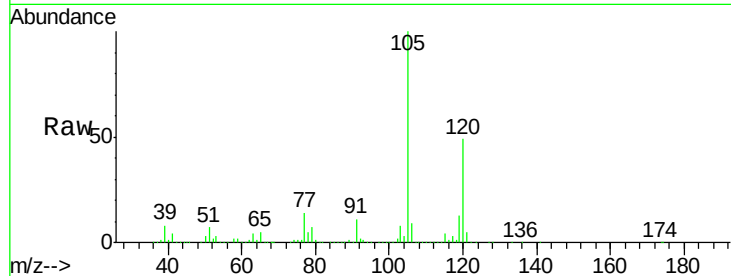
120 49.0 38.1 57.1

Manual Integrations

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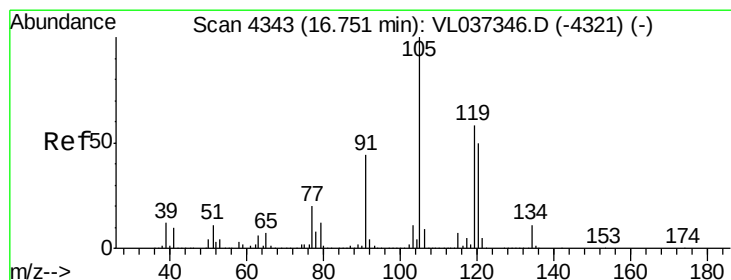
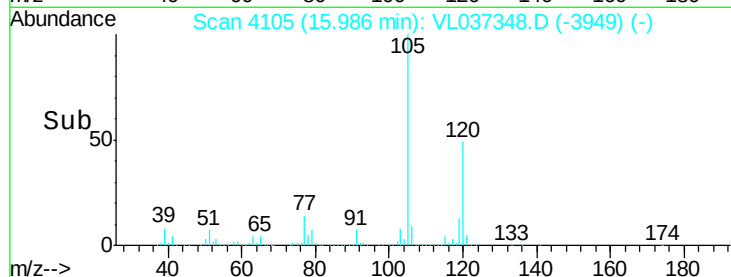
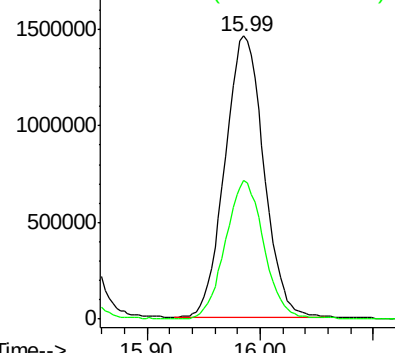
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.182 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Tgt Ion:105 Resp: 3659957

Ion Ratio Lower Upper

105 100

120 49.6 39.7 59.5

91 47.7 35.0 52.6

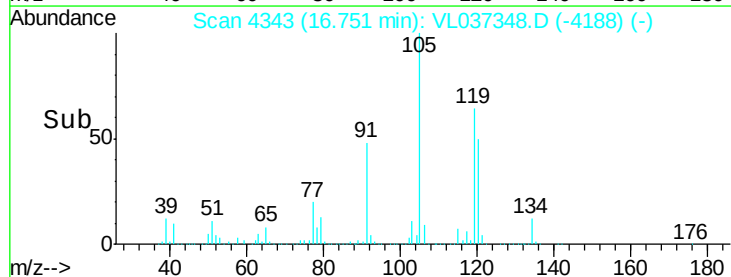
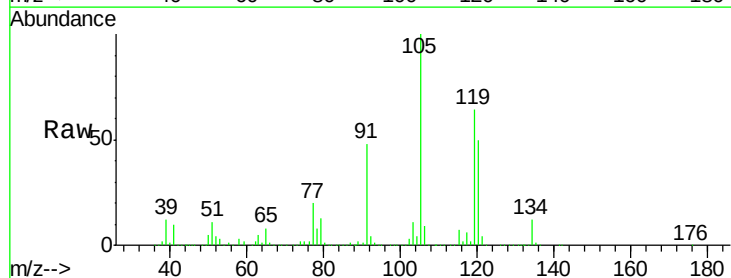
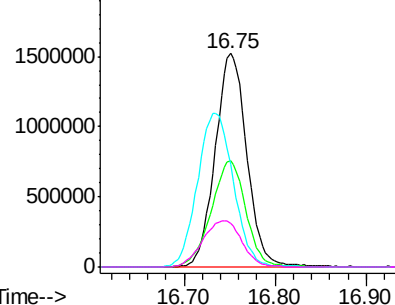
77 20.0 16.1 24.1

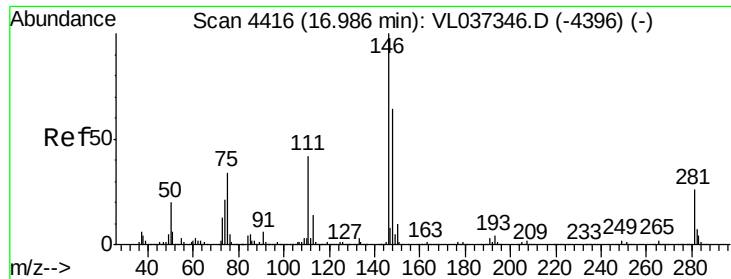
Abundance Ion 105.10 (104.80 to 105.80): V

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: 10.076 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080621

Tot Ion:146 Resp: 2292606

Ion Ratio Lower Upper

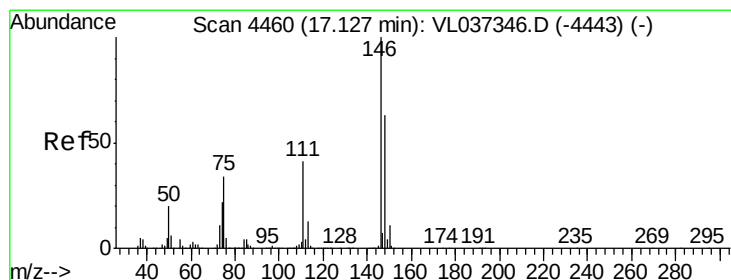
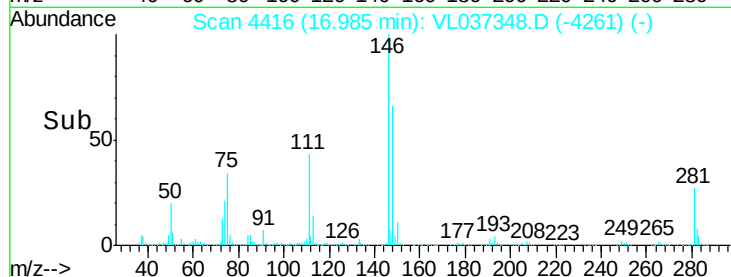
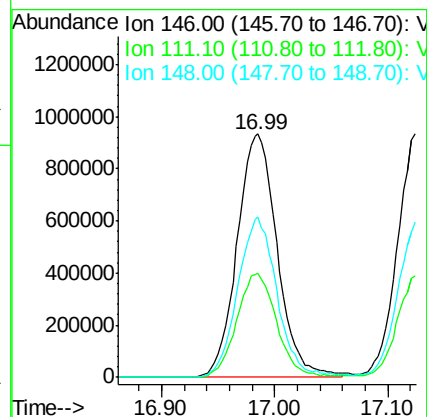
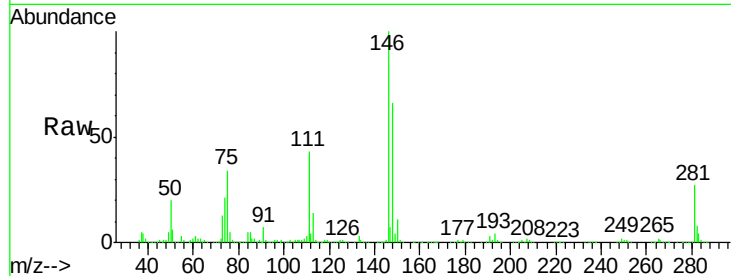
146 100

111 42.9 21.5 64.5

148 64.7 32.2 96.6

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#76

1,4-Dichlorobenzene

Concen: 10.108 ppbv

RT: 17.13 min Scan# 4460

Delta R.T. -0.00 min

Lab File: VL037348.D

Acq: 6 Aug 2021 17:25

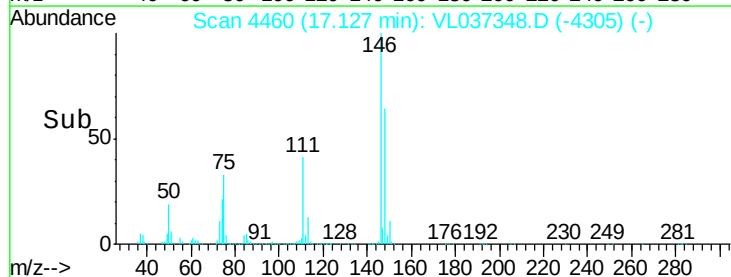
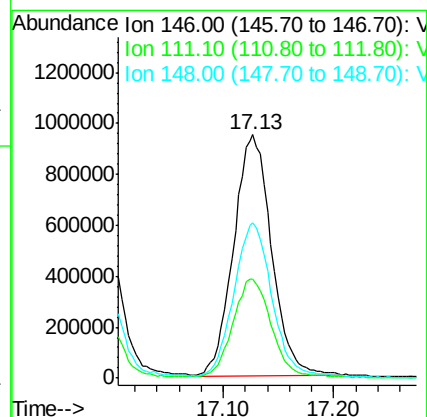
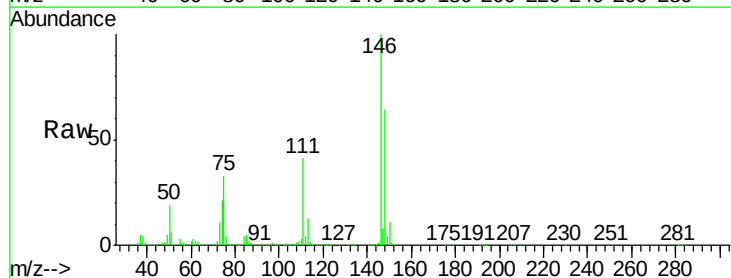
Tgt Ion:146 Resp: 2255649

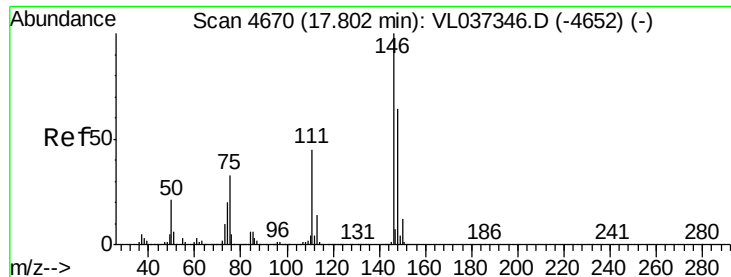
Ion Ratio Lower Upper

146 100

111 42.2 21.1 63.3

148 65.7 32.8 98.4





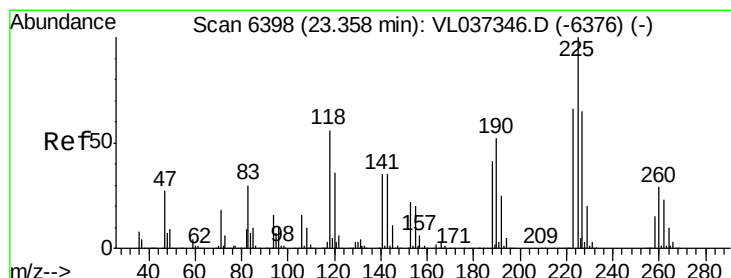
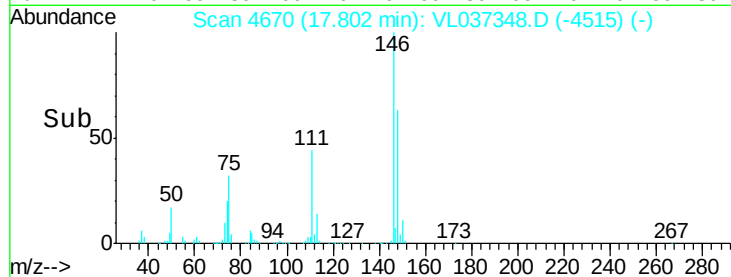
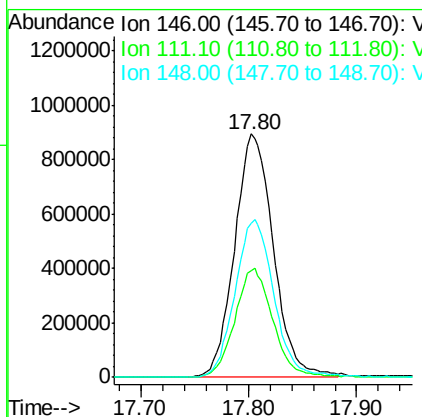
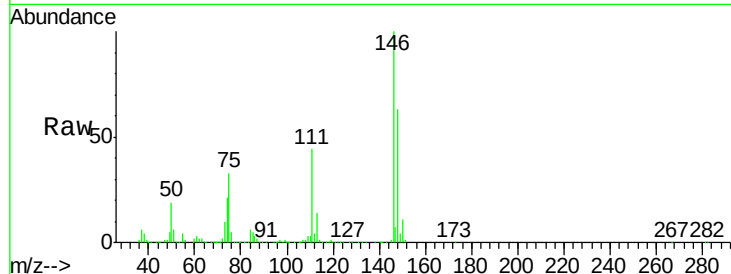
#77
 1,2-Dichlorobenzene
 Concen: 10.103 ppbv
 RT: 17.80 min Scan# 4670
 Delta R.T. -0.00 min
 Lab File: VL037348.D
 Acq: 6 Aug 2021 17:25

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080621

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.4	67.2
148	64.8	32.9	98.6

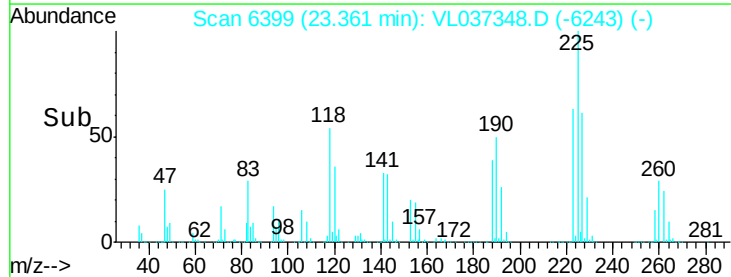
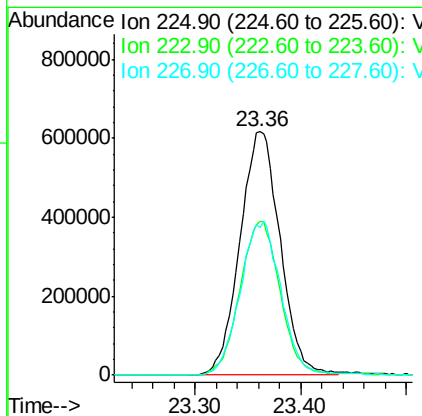
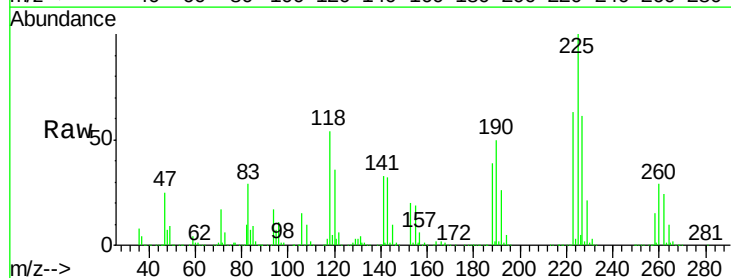
Manual Integrations
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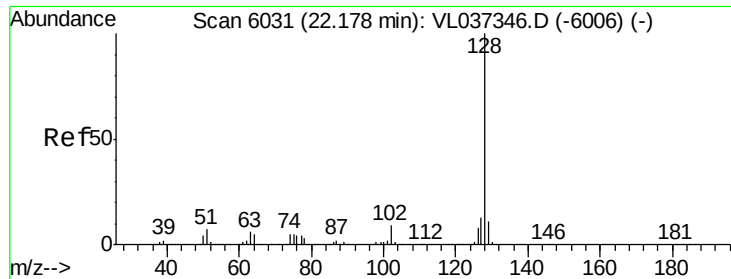
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.391 ppbv
 RT: 23.36 min Scan# 6399
 Delta R.T. 0.00 min
 Lab File: VL037348.D
 Acq: 6 Aug 2021 17:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.3	76.9
227	64.4	51.6	77.4





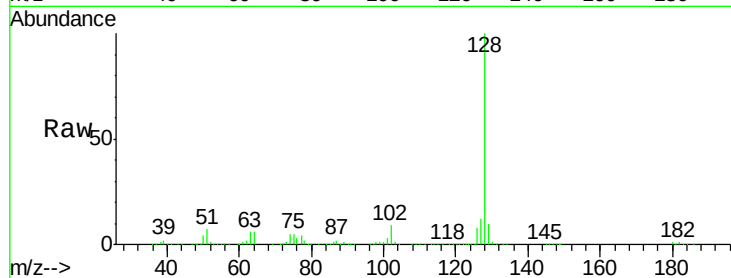
#79
Naphthalene
Concen: 11.887 ppbv
RT: 22.18 min Scan# 6031
Delta R.T. -0.00 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080621

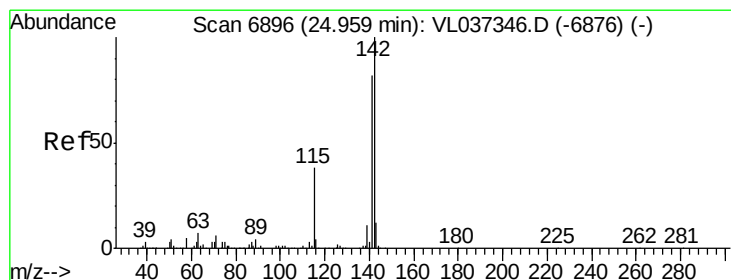
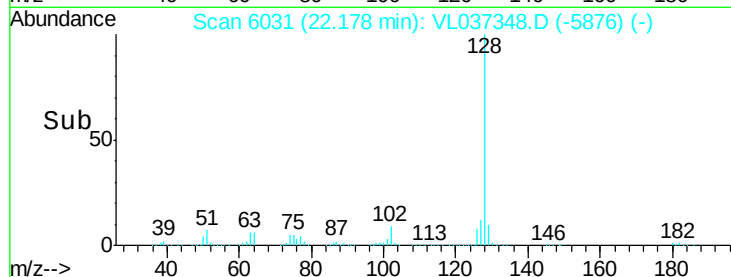
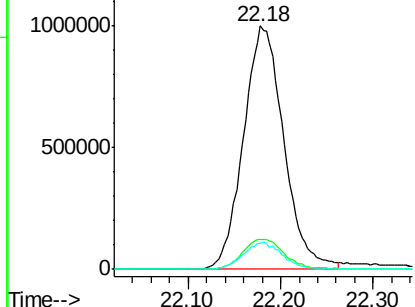
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.4	8.8	13.2

Manual Integrations
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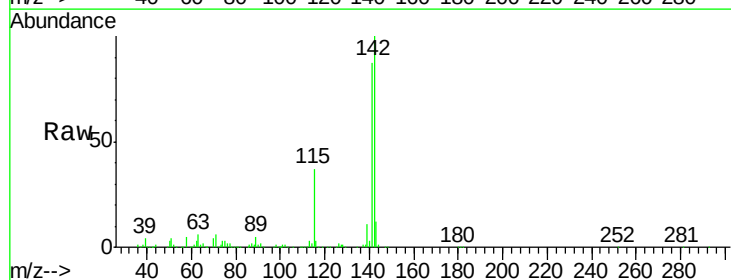


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

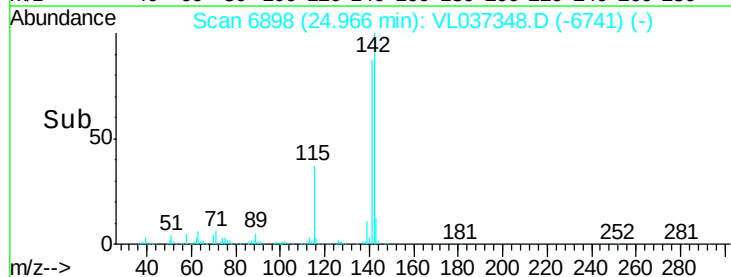
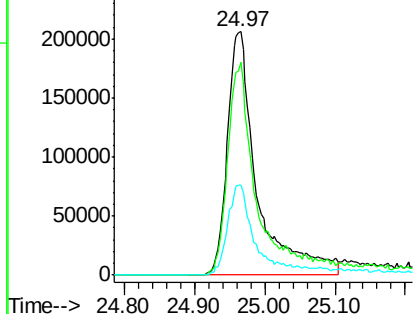


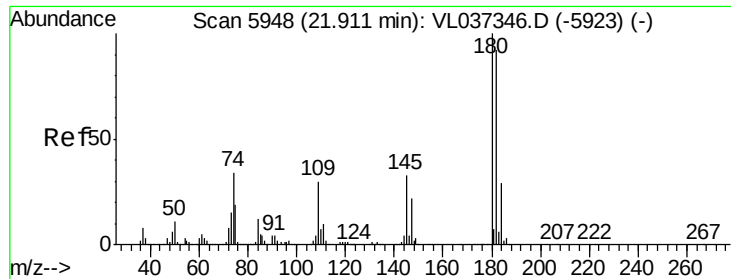
#80
Naphthalene, 2-methyl-
Concen: 13.227 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. 0.01 min
Lab File: VL037348.D
Acq: 6 Aug 2021 17:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.5	67.2	100.8
115	36.8	29.4	44.2



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.829 ppbv
 RT: 21.91 min Scan# 5948
 Delta R.T. -0.00 min
 Lab File: VL037348.D
 Acq: 6 Aug 2021 17:25

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080621

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	78.1	117.1
184	30.3	24.9	37.3

Manual Integrations
 APPROVED

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