

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060821\
 Data File : VL037126.D
 Acq On : 8 Jun 2021 9:34
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Manual Integrations
 APPROVED

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 6/9/2021 4:22:45 PM

Quant Time: Jun 09 01:28:11 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	5.66	49	1433209	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	4385143	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	4185887m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3197845	10.17	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1881609	7.739 ppbv	98
3) Chlorodifluoromethane	2.99	51	2756859	10.500 ppbv	97
4) Chloromethane	3.14	50	938686	10.506 ppbv	100
5) Vinyl Chloride	3.25	62	1029287	10.539 ppbv	99
6) Bromomethane	3.47	94	585018	11.368 ppbv	98
7) Chloroethane	3.56	64	375197	11.832 ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	2508981	10.991 ppbv	98
9) Propene	3.01	41	902011	9.594 ppbv	100
10) Heptane	8.12	43	2273609	9.703 ppbv	99
11) Trichlorofluoromethane	3.95	101	2736581	12.160 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1974808	12.319 ppbv	96
13) Ethanol	3.61	45	131232m	10.461 ppbv	
14) Bromoethene	3.74	108	768121	10.879 ppbv	92
15) Acetone	3.85	43	1372670	9.351 ppbv	96
16) 1,3-Butadiene	3.32	39	975292	10.694 ppbv	100
17) tert-Butyl alcohol	4.29	59	1535216	11.417 ppbv	100
18) 1,1-Dichloroethene	4.29	96	870014	11.737 ppbv	98
19) Isopropyl Alcohol	3.97	45	885788	11.225 ppbv	# 35
20) Methylene Chloride	4.34	84	721518	9.169 ppbv	99
21) Allyl Chloride	4.41	41	1224370	11.056 ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	901033	12.683 ppbv	98
23) Vinyl Acetate	5.07	43	2159572	9.268 ppbv	99
24) 1,1-Dichloroethane	5.01	63	1777354	10.597 ppbv	99
25) Ethyl Acetate	5.67	43	3564800	10.106 ppbv	100
26) Hexane	5.68	57	1683016	9.339 ppbv	95
27) Carbon Disulfide	4.55	76	2026370	11.157 ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1950577	9.030 ppbv	99
29) Chloroform	5.75	83	2795087	10.979 ppbv	97
30) Cyclohexane	7.12	84	1531716	10.002 ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1708166	10.572 ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2948237	10.784 ppbv	99
34) 2-Butanone	5.24	43	1635636	10.244 ppbv	99
35) Carbon Tetrachloride	7.02	117	3133660	10.755 ppbv	100
36) Benzene	6.89	78	3604261	9.542 ppbv	98
37) 1,2-Dichloroethane	6.30	62	2114312	11.290 ppbv	99
38) Trichloroethene	7.83	130	1555717	9.628 ppbv	98
39) 1,2-Dichloropropane	7.61	63	1374884	9.449 ppbv	95
40) 1,4-Dioxane	7.83	88	356949	10.390 ppbv	# 100
41) Tetrahydrofuran	6.05	42	858875	9.444 ppbv	100
42) Bromodichloromethane	7.79	83	3002546	10.598 ppbv	98
43) Methyl Methacrylate	8.01	69	1310506	10.066 ppbv	100

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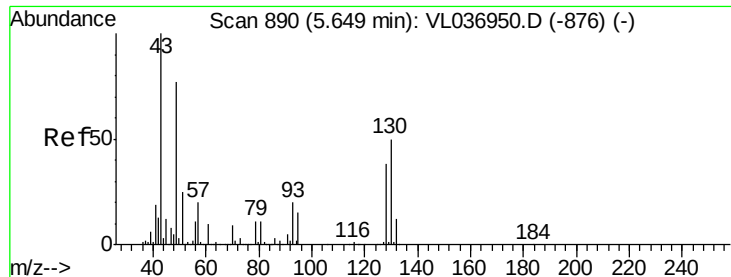
Manual Integrations
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5948981	9.180	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1045413	10.511	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1377407	10.296	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1543836	10.138	ppbv	99
48) Dibromochloromethane	10.30	129	2756380	11.178	ppbv	100
49) Bromoform	13.04	173	2299562	11.292	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2554251	9.694	ppbv	100
51) 2-Hexanone	10.13	43	1360941	9.770	ppbv #	96
52) Tetrachloroethene	11.22	164	1509057	10.047	ppbv	97
53) Toluene	9.80	91	4348357	9.675	ppbv	98
54) 1,2-Dibromoethane	10.61	107	2296542	10.607	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1896749	10.769	ppbv #	58
57) Chlorobenzene	12.14	112	3277204	10.097	ppbv	99
58) Ethyl Benzene	12.70	91	5794362	9.808	ppbv	100
59) m/p-Xylene	12.99	91	9763165m	19.992	ppbv	
60) o-Xylene	13.69	91	4658605	10.002	ppbv	99
61) Styrene	13.52	104	2707443	10.318	ppbv	97
62) Isopropylbenzene	14.66	105	6554234	9.792	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	3158714	9.081	ppbv	98
64) n-propylbenzene	15.56	120	1801934	10.434	ppbv	99
65) tert-Butylbenzene	16.74	119	6056088	10.027	ppbv	99
66) Benzyl Chloride	16.98	91	294554	8.789	ppbv	97
67) sec-Butylbenzene	17.29	105	8135800	9.874	ppbv	99
69) p-Isopropyltoluene	17.65	119	7228054	10.203	ppbv	99
70) n-Butylbenzene	18.55	91	6991615	10.389	ppbv	99
71) 2-Chlorotoluene	15.45	91	4840374	10.012	ppbv	99
72) 4-Ethyltoluene	15.83	105	5858039	10.597	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	5320868	10.250	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	5564721	10.368	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	3463877	10.568	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	3339056	10.076	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	3378028	10.286	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	2444904	9.258	ppbv	100
79) Naphthalene	22.19	128	4931460	11.710	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1268080	13.847	ppbv	92
81) 1,2,4-Trichlorobenzene	21.92	180	2778319	10.822	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

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MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1433209

Ion Ratio Lower Upper

49 100

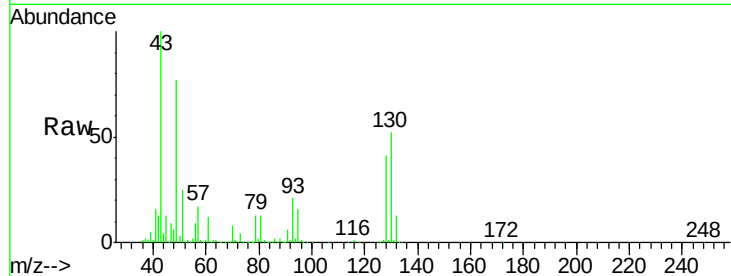
128 58.6 26.9 80.7

130 73.5 33.8 101.4

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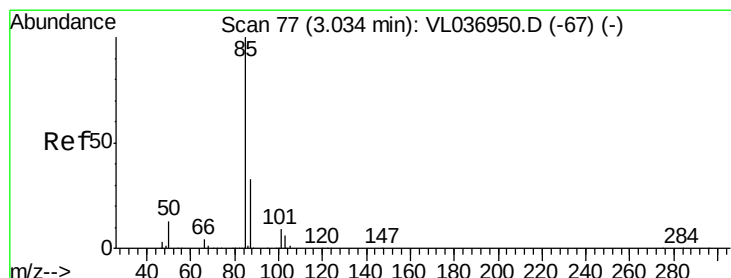
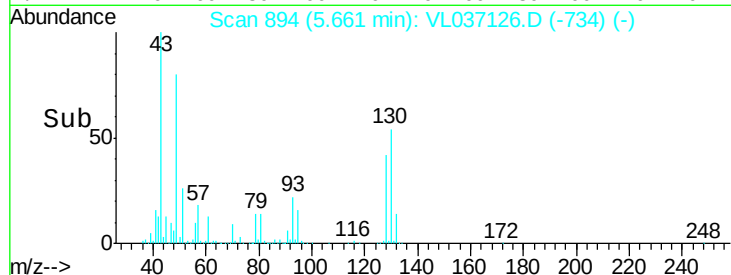
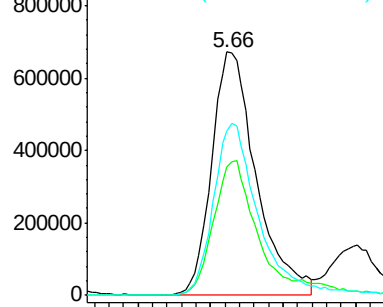
6/9/2021 4:22:45 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.739 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL037126.D

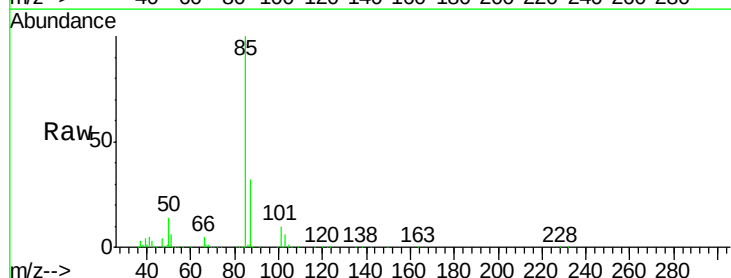
Acq: 8 Jun 2021 9:34

Tgt Ion: 85 Resp: 1881609

Ion Ratio Lower Upper

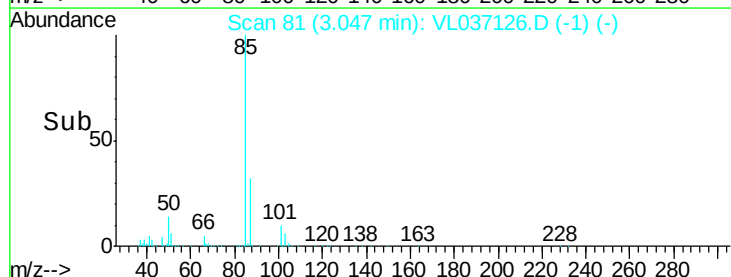
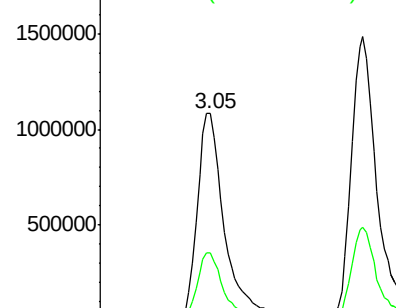
85 100

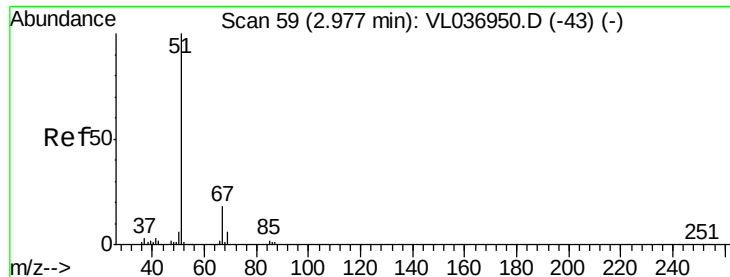
87 32.2 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





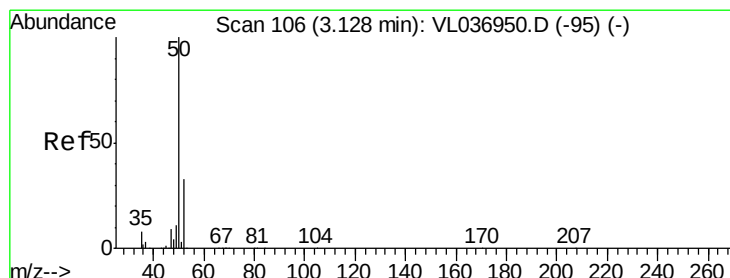
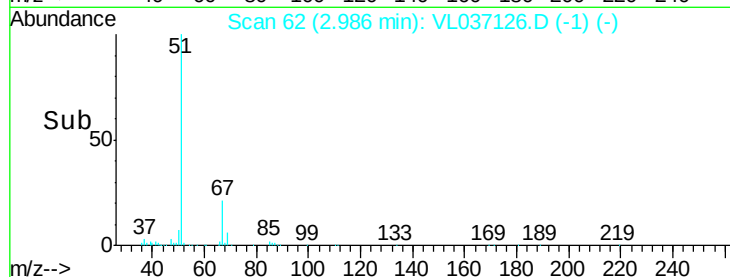
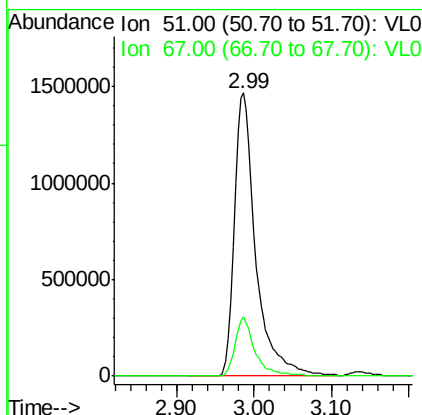
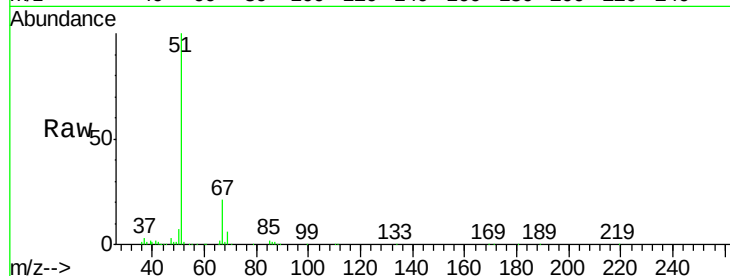
#3
Chlorodifluoromethane
Concen: 10.500 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.01 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 51 Resp: 2756859
Ion Ratio Lower Upper
51 100
67 19.6 14.6 21.8

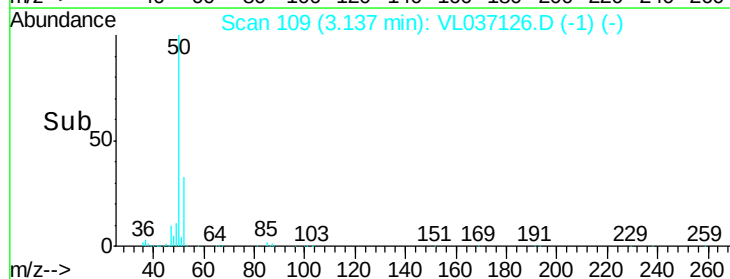
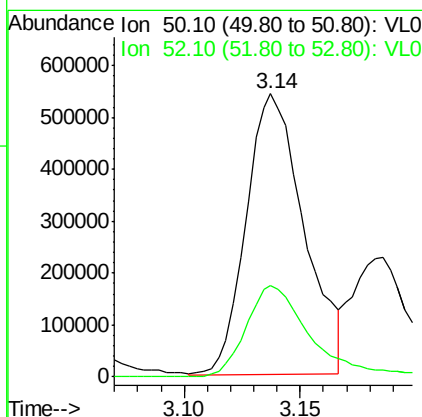
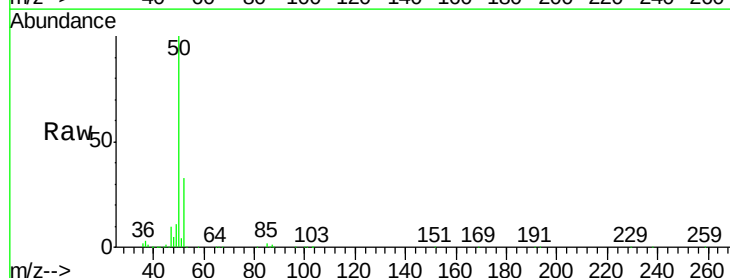
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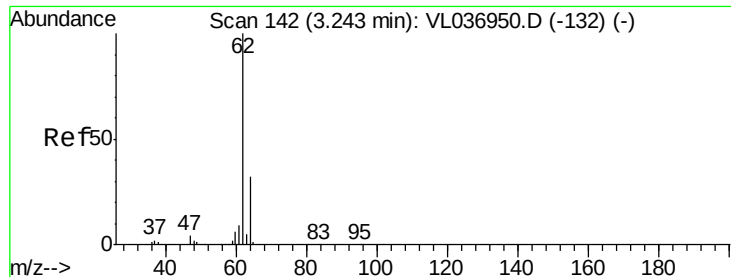
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#4
Chloromethane
Concen: 10.506 ppbv
RT: 3.14 min Scan# 109
Delta R.T. 0.01 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Tgt Ion: 50 Resp: 938686
Ion Ratio Lower Upper
50 100
52 32.9 26.1 39.1





#5

Vinyl Chloride

Concen: 10.539 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.01 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 1029287

Ion Ratio Lower Upper

62 100

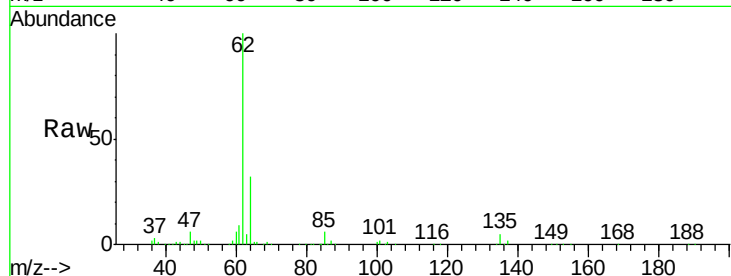
64 31.7 25.9 38.9

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

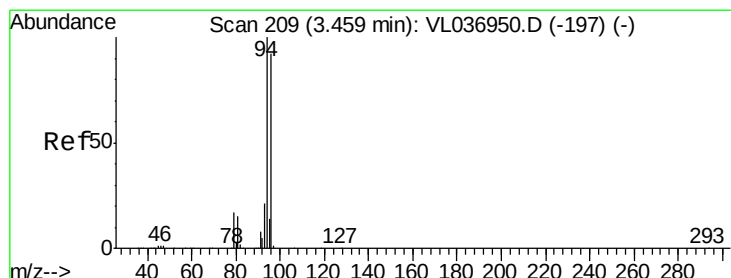
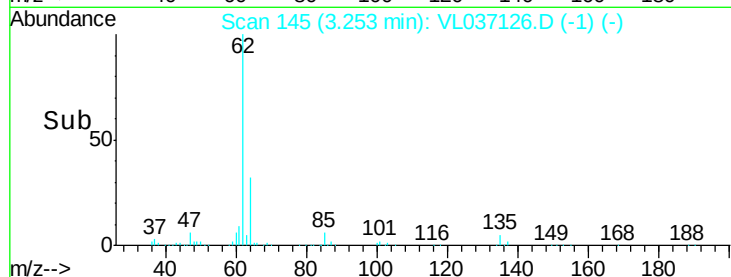
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 11.368 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.01 min

Lab File: VL037126.D

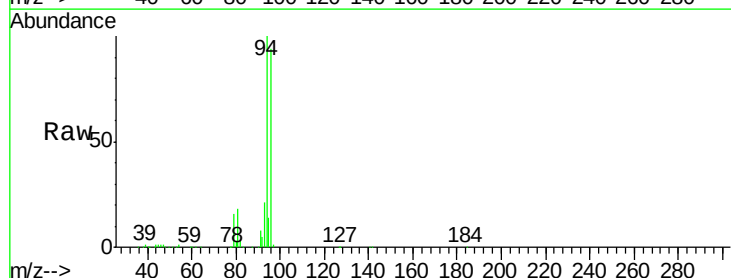
Acq: 8 Jun 2021 9:34

Tgt Ion: 94 Resp: 585018

Ion Ratio Lower Upper

94 100

96 94.4 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

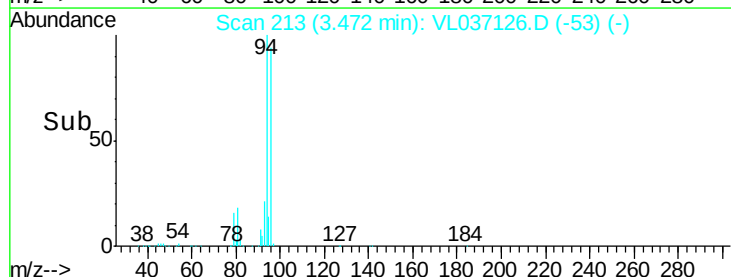
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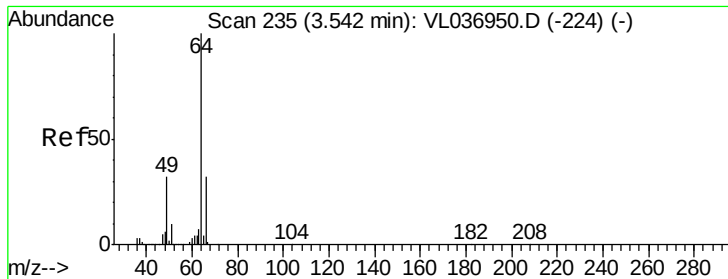
200000

100000

0

Time-->





#7

Chloroethane

Concen: 11.832 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.01 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 375197

Ion Ratio Lower Upper

64 100

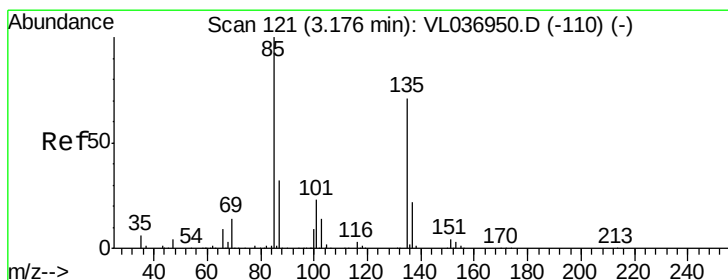
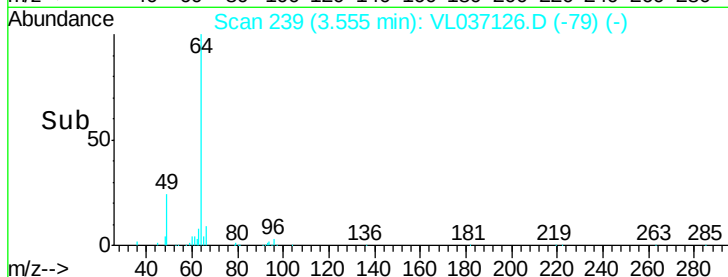
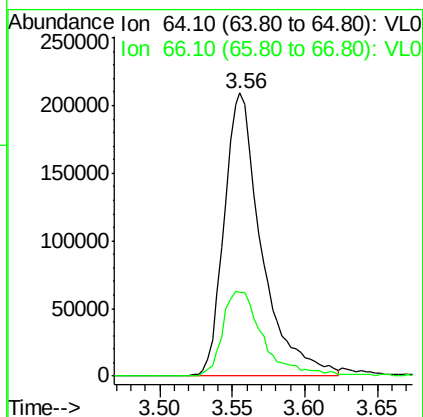
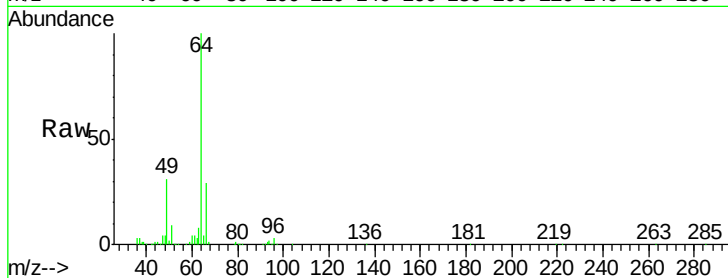
66 29.4 25.4 38.2

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#8

Dichlorotetrafluoroethane

Concen: 10.991 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.01 min

Lab File: VL037126.D

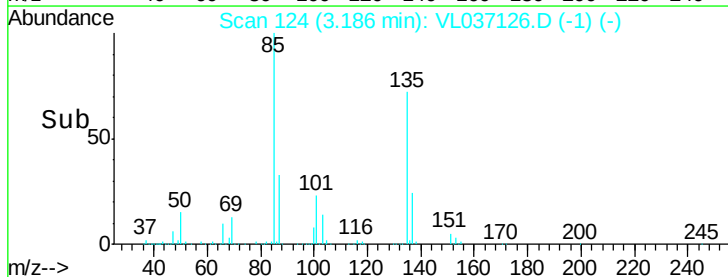
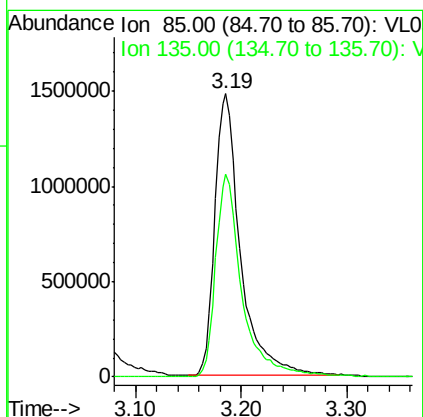
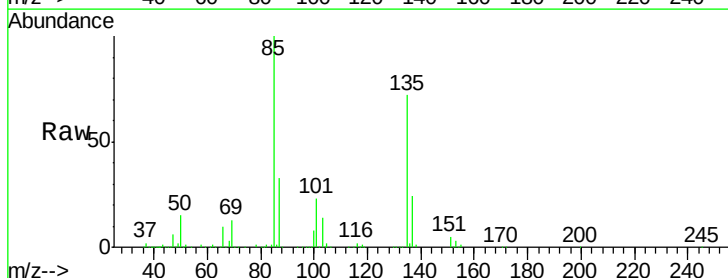
Acq: 8 Jun 2021 9:34

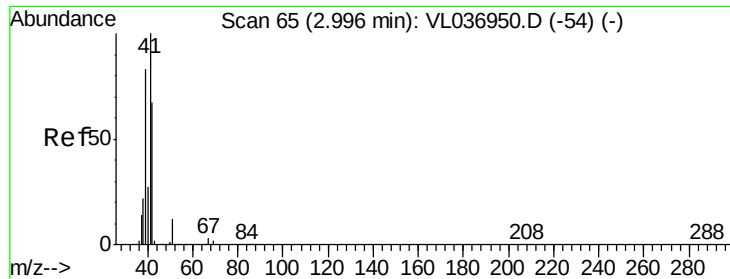
Tgt Ion: 85 Resp: 2508981

Ion Ratio Lower Upper

85 100

135 74.0 57.7 86.5





#9

Propene

Concen: 9.594 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Instrument :

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Tot Ion: 41 Resp: 902011

Ion Ratio Lower Upper

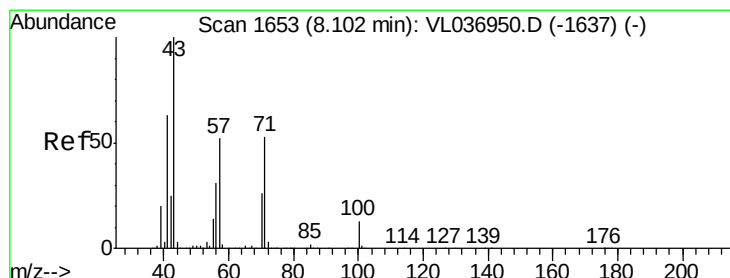
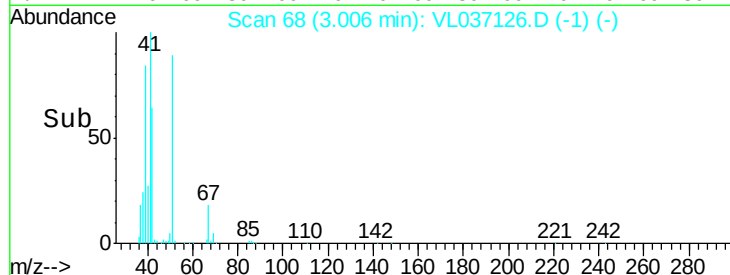
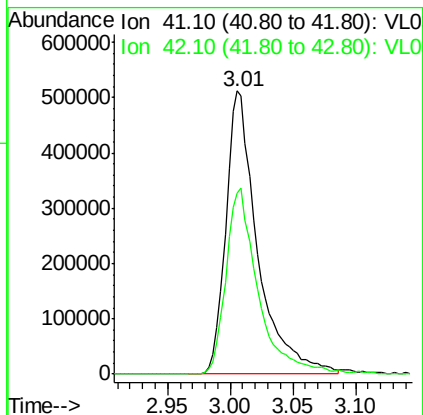
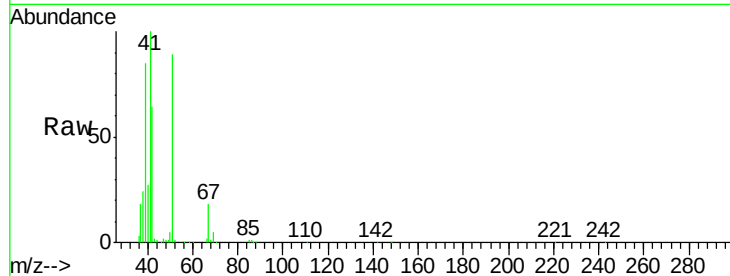
41 100

42 67.1 53.9 80.9

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#10

Heptane

Concen: 9.703 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.02 min

Lab File: VL037126.D

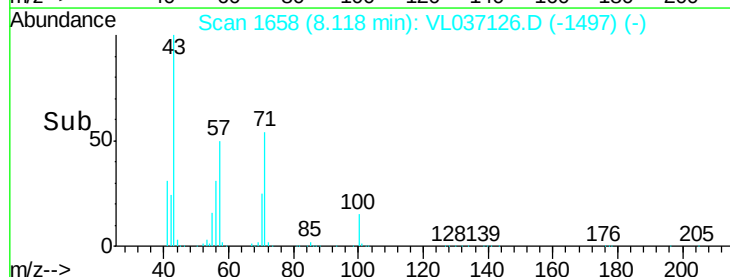
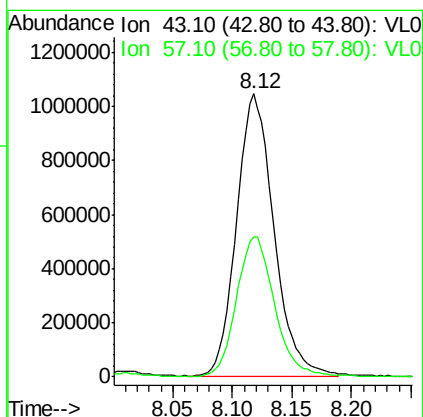
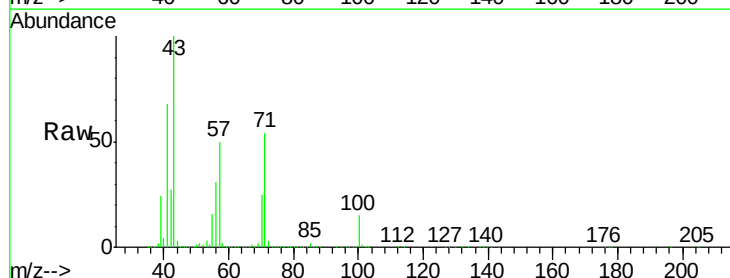
Acq: 8 Jun 2021 9:34

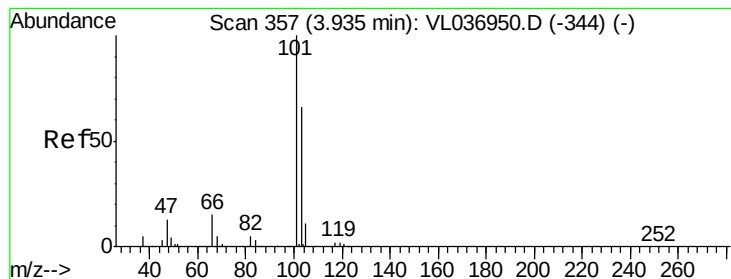
Tgt Ion: 43 Resp: 2273609

Ion Ratio Lower Upper

43 100

57 50.3 41.0 61.6





#11

Trichlorofluoromethane

Concen: 12.160 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Instrument :

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Tot Ion:101 Resp: 2736581

Ion Ratio Lower Upper

101 100

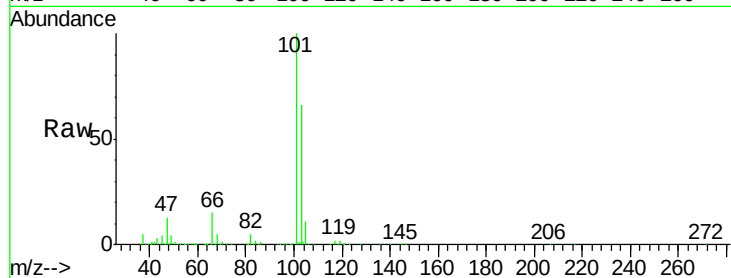
103 65.6 52.6 79.0

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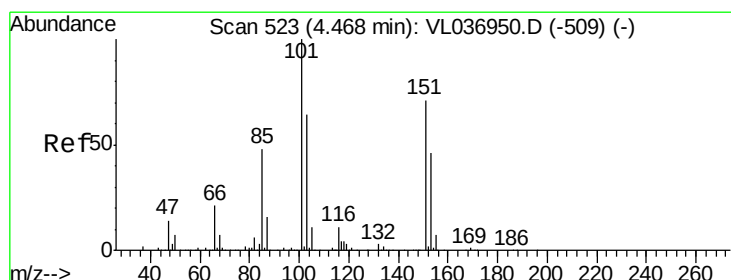
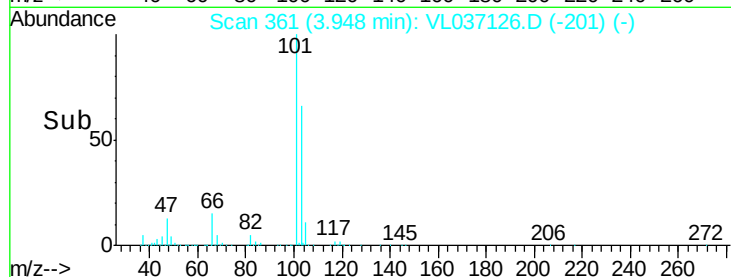
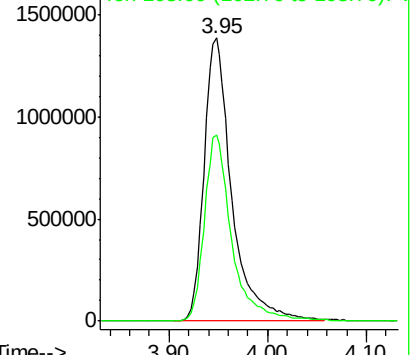
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 12.319 ppbv

RT: 4.48 min Scan# 527

Delta R.T. 0.01 min

Lab File: VL037126.D

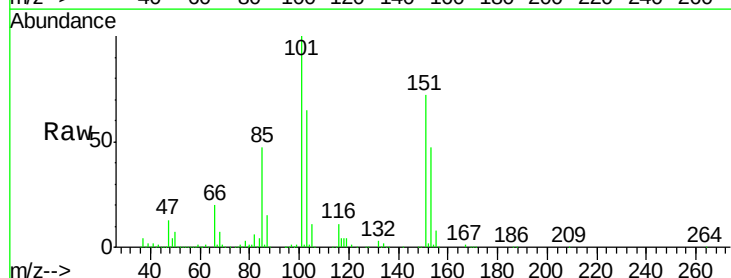
Acq: 8 Jun 2021 9:34

Tgt Ion:101 Resp: 1974808

Ion Ratio Lower Upper

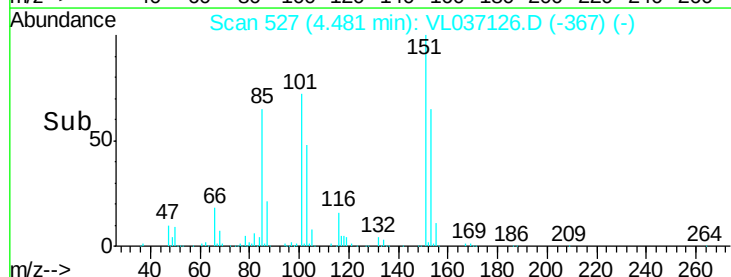
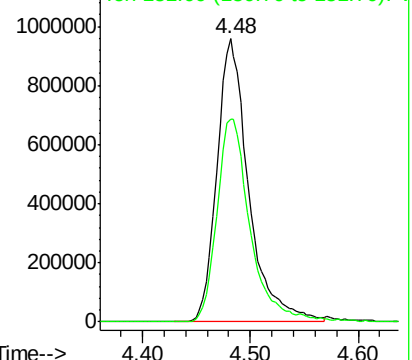
101 100

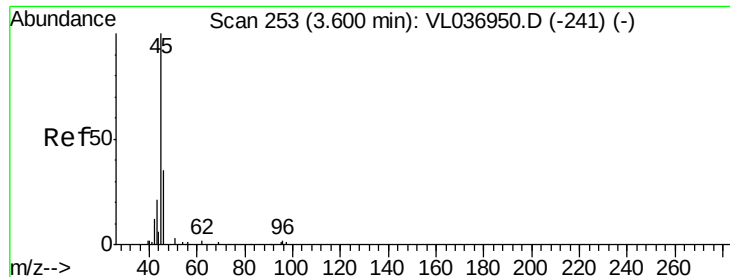
151 75.3 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





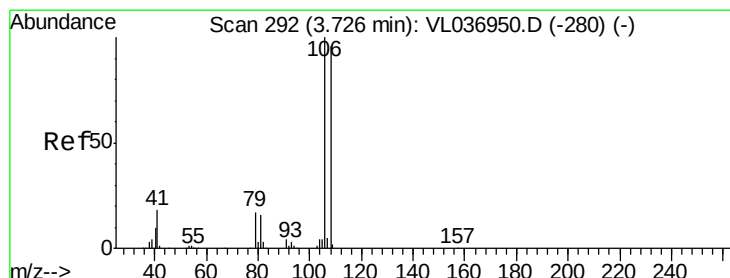
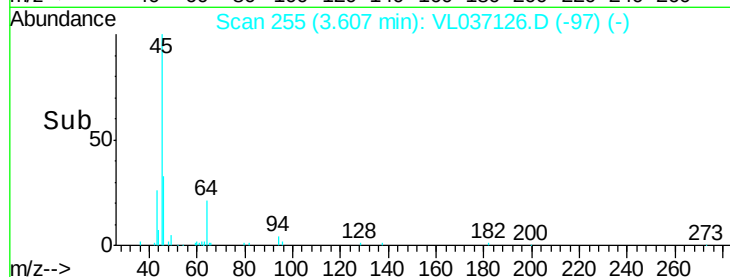
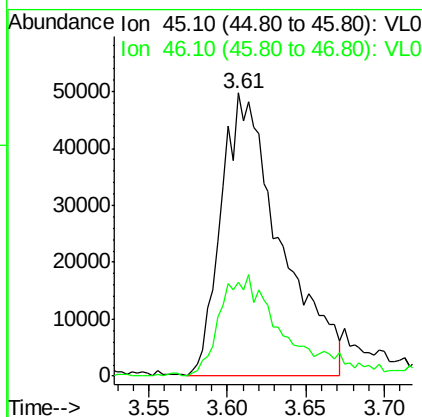
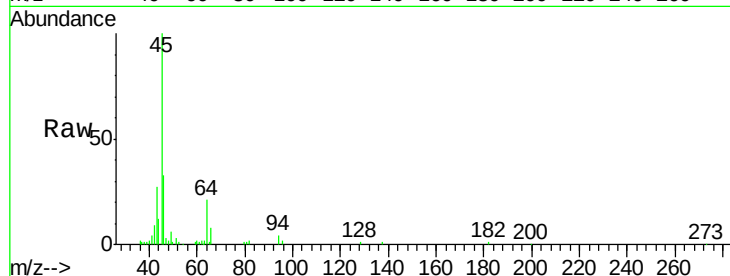
#13
Ethanol
Concen: 10.461 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	42.0	16.3	65.3

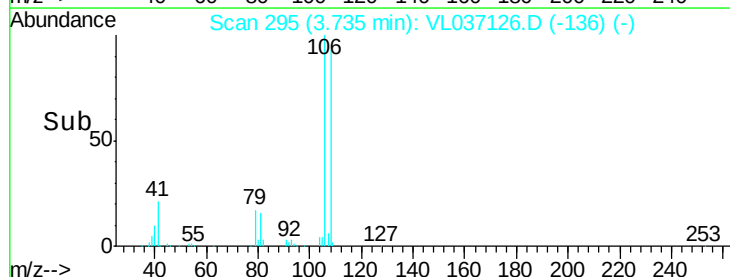
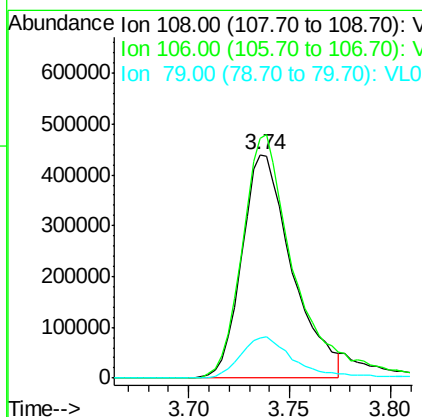
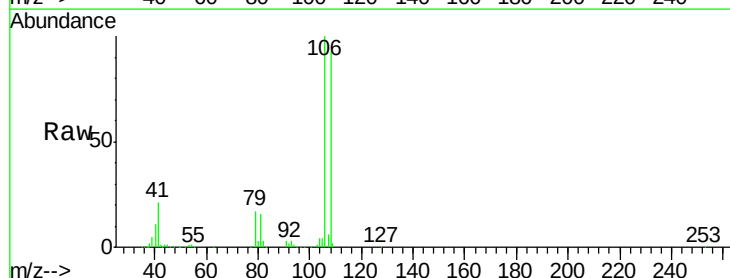
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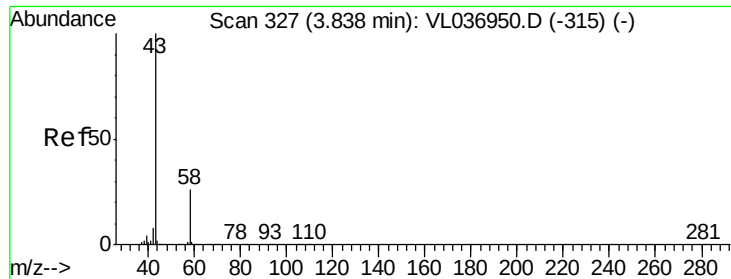
MMDadoda
6/9/2021 4:22:45 PM



#14
Bromoethene
Concen: 10.879 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.01 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Tgt Ion	Ratio	Lower	Upper
108	100		
106	116.5	86.5	129.7
79	20.7	15.0	22.4





#15

Acetone

Concen: 9.351 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1372670

Ion Ratio Lower Upper

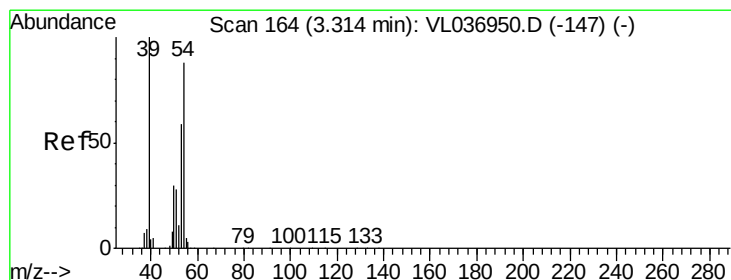
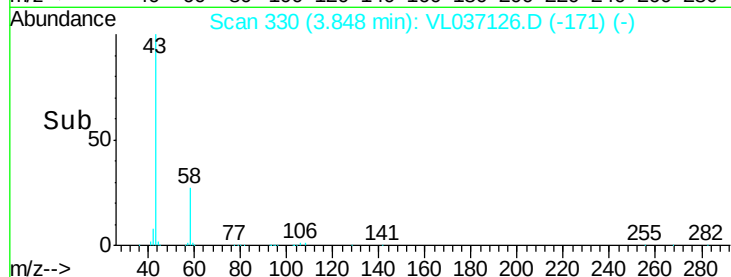
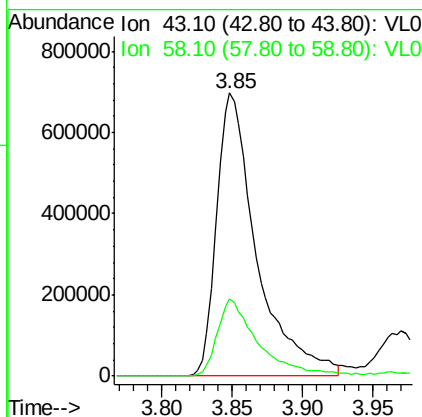
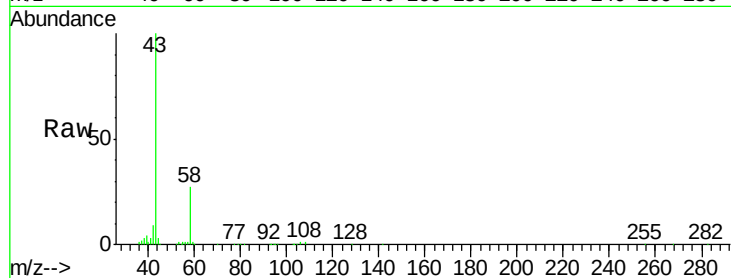
43 100

58 28.0 24.0 36.0

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#16

1,3-Butadiene

Concen: 10.694 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.01 min

Lab File: VL037126.D

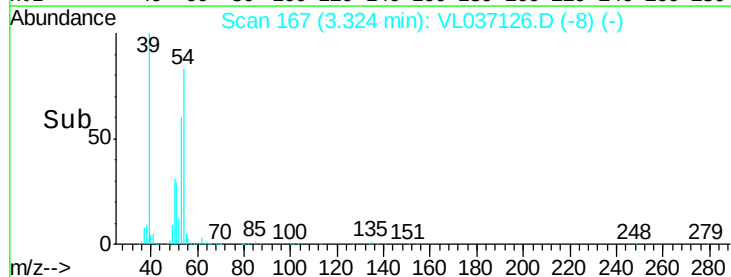
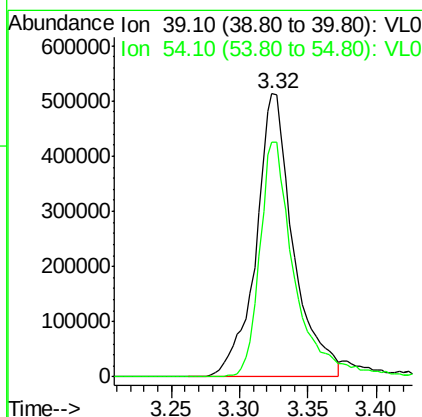
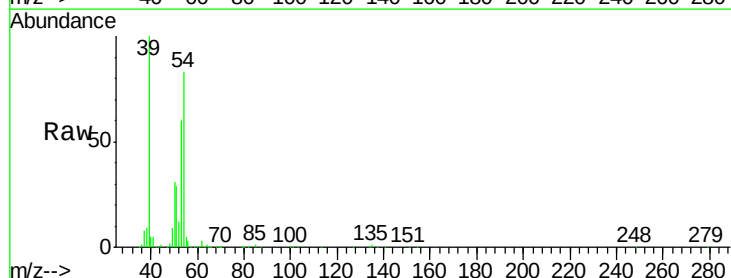
Acq: 8 Jun 2021 9:34

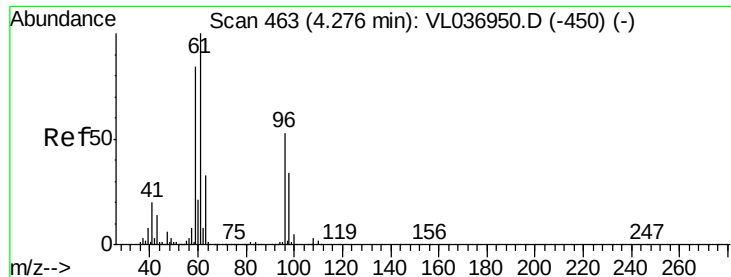
Tgt Ion: 39 Resp: 975292

Ion Ratio Lower Upper

39 100

54 78.8 63.2 94.8





#17

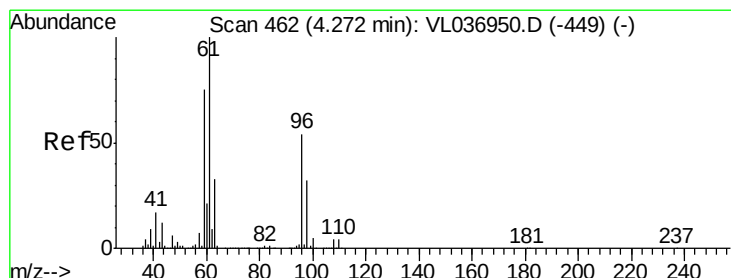
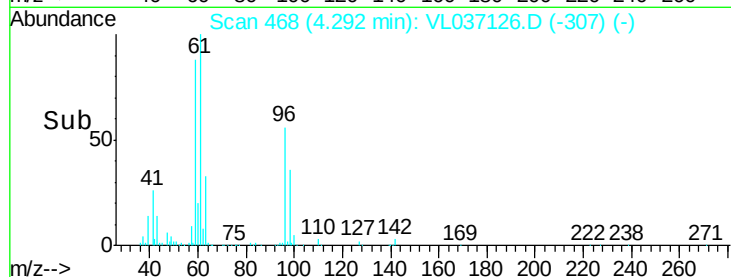
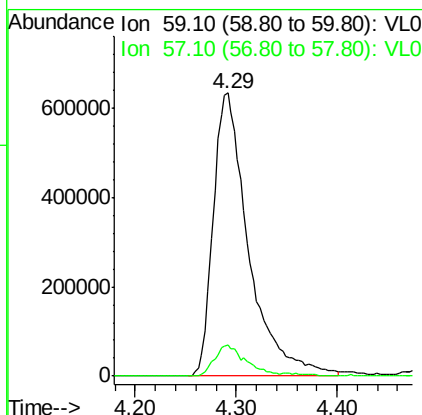
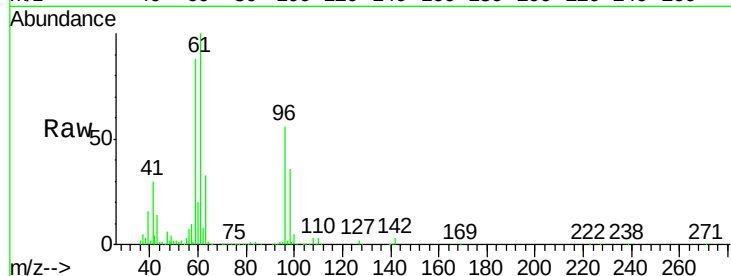
tert-Butyl alcohol
Concen: 11.417 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1535216
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5

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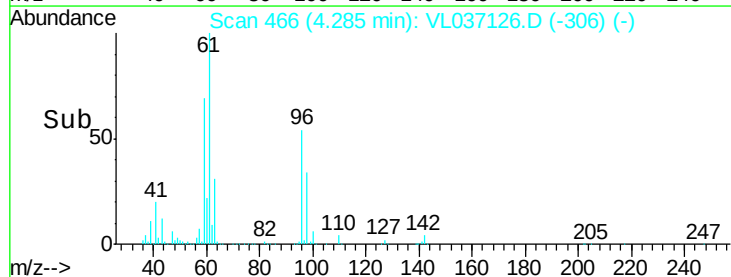
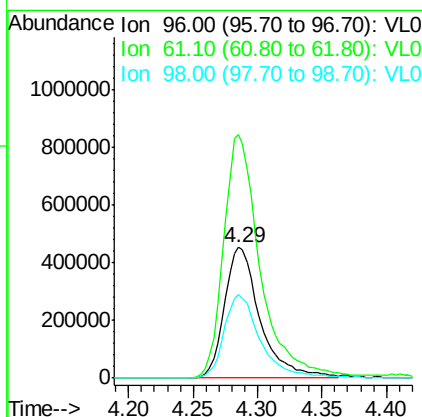
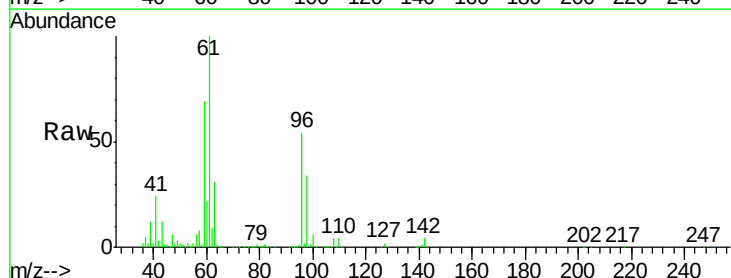
MMDadoda
6/9/2021 4:22:45 PM

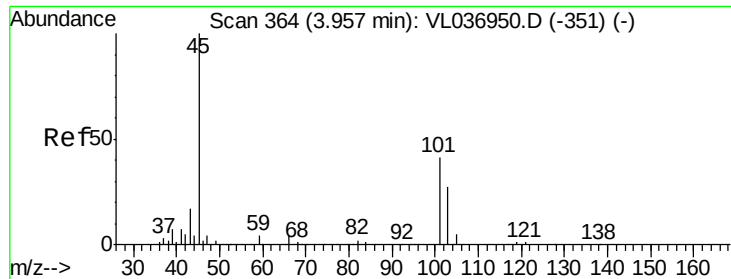


#18

1,1-Dichloroethene
Concen: 11.737 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Tgt Ion: 96 Resp: 870014
Ion Ratio Lower Upper
96 100
61 186.5 148.2 222.4
98 63.9 47.8 71.6





#19

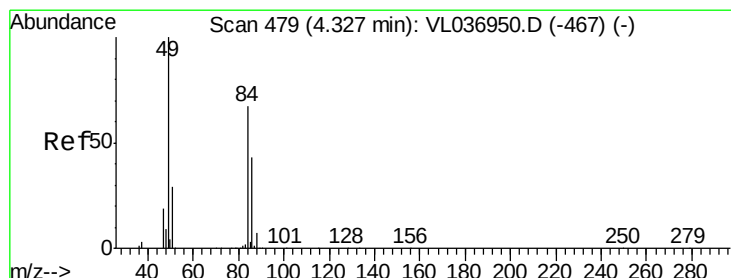
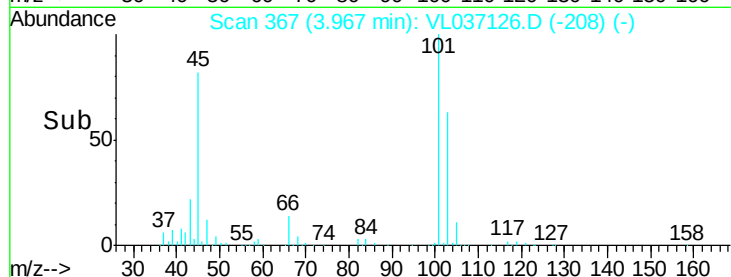
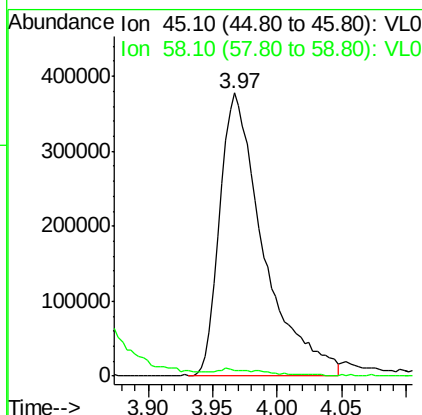
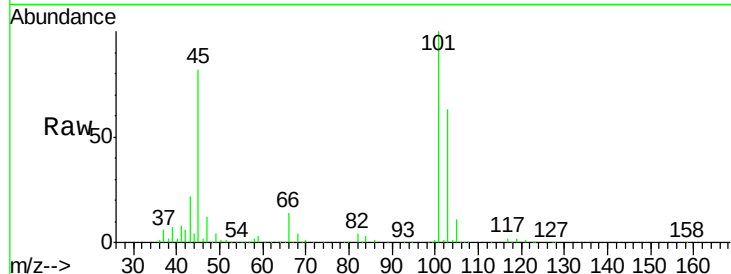
Isopropyl Alcohol
 Concen: 11.225 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 45 Resp: 885788
 Ion Ratio Lower Upper
 45 100
 58 3.1 37.2 55.8#

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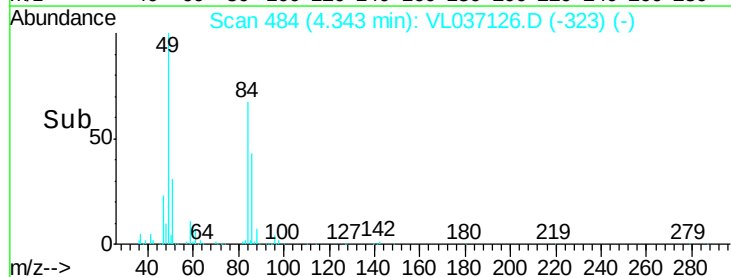
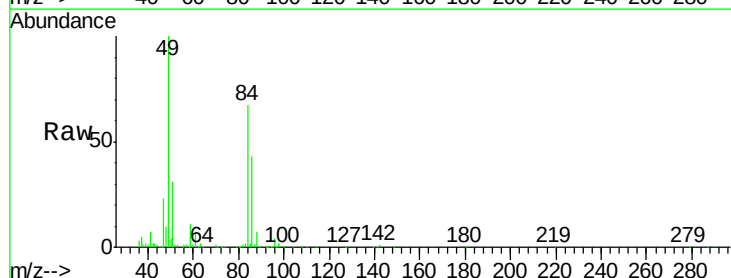
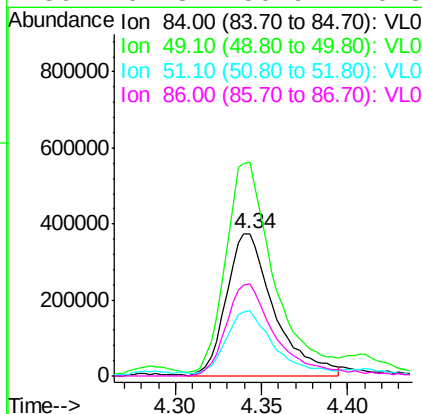
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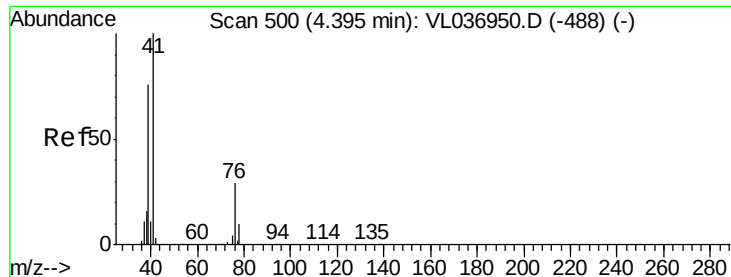


#20

Methylene Chloride
 Concen: 9.169 ppbv
 RT: 4.34 min Scan# 484
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Tgt Ion: 84 Resp: 721518
 Ion Ratio Lower Upper
 84 100
 49 147.7 119.8 179.6
 51 44.2 35.1 52.7
 86 64.8 50.9 76.3





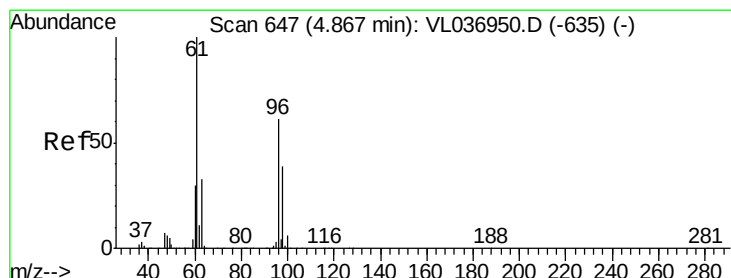
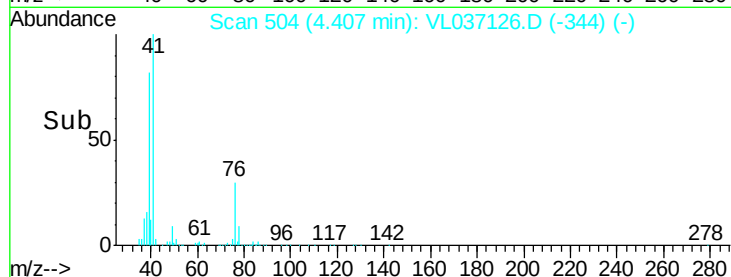
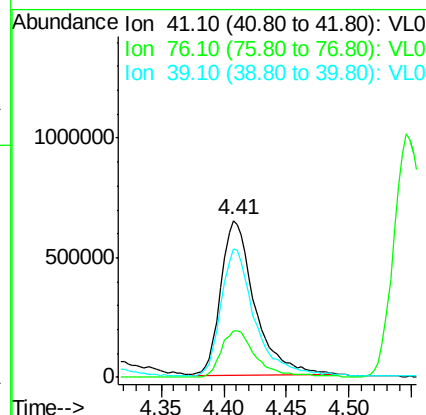
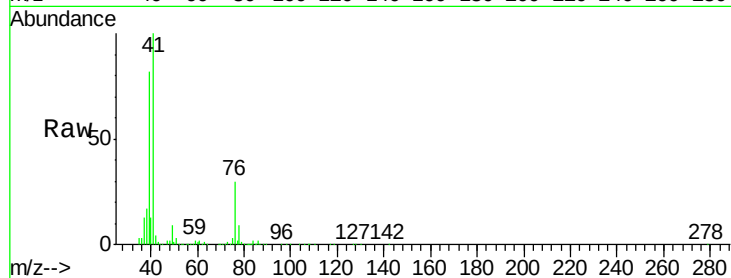
#21
Allvl Chloride
Concen: 11.056 ppbv
RT: 4.41 min Scan# 504
Delta R.T. 0.01 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 1224370
Ion Ratio Lower Upper
41 100
76 31.4 24.9 37.3
39 83.3 63.7 95.5

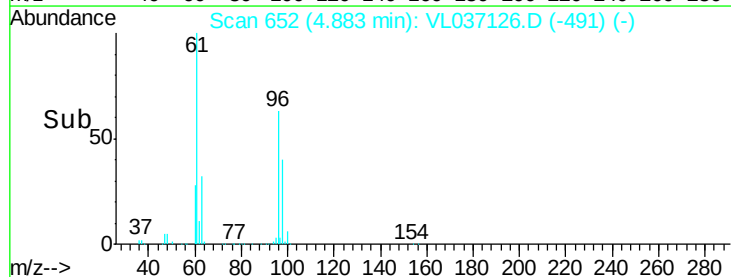
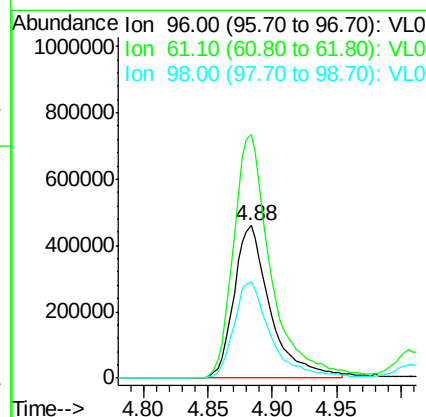
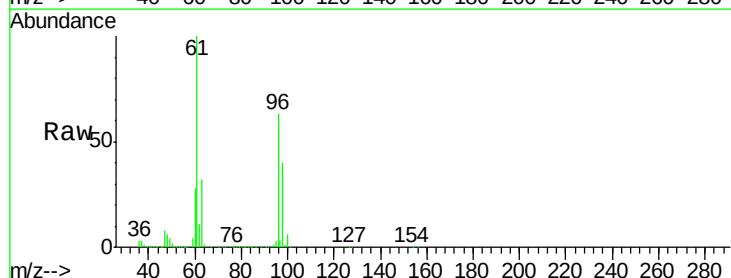
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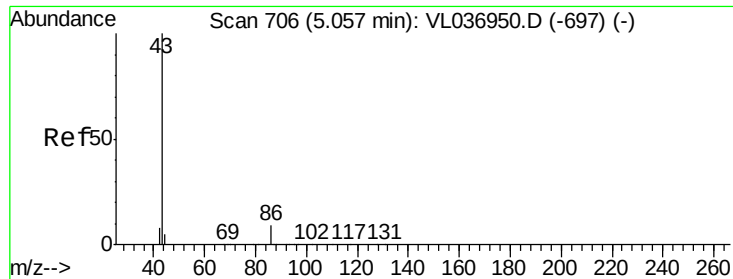
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#22
trans-1,2-Dichloroethene
Concen: 12.683 ppbv
RT: 4.88 min Scan# 652
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Tgt Ion: 96 Resp: 901033
Ion Ratio Lower Upper
96 100
61 159.5 130.6 196.0
98 63.6 50.8 76.2





#23

Vinyl Acetate

Concen: 9.268 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.01 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2159572

Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.8	8.8
42	9.8	7.4	11.2
44	4.8	3.3	4.9

43 100

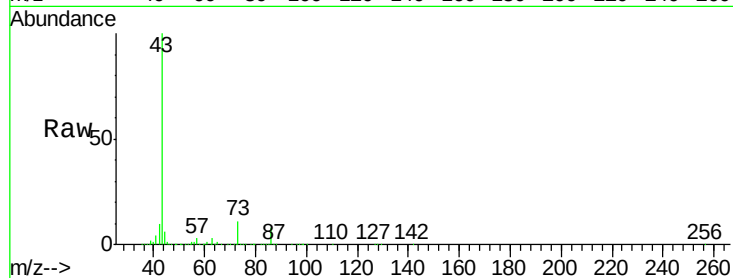
86 7.6 5.8 8.8

42 9.8 7.4 11.2

44 4.8 3.3 4.9

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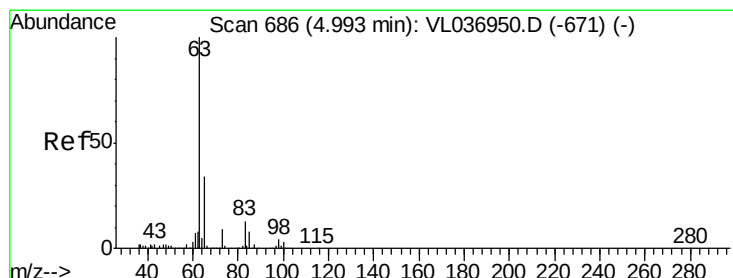
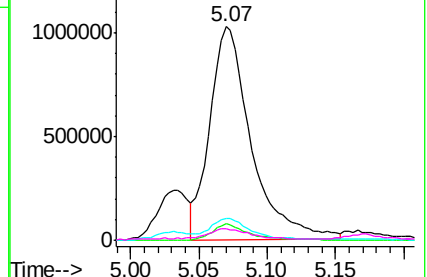
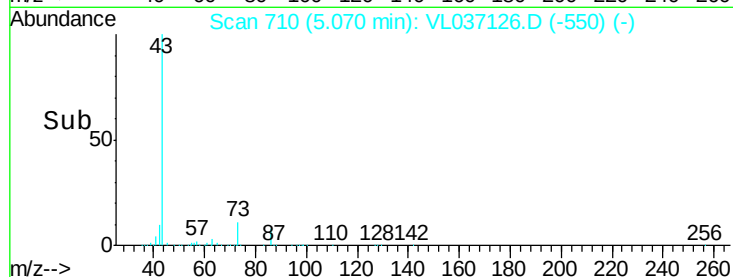
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

Time-->



#24

1,1-Dichloroethane

Concen: 10.597 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.02 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

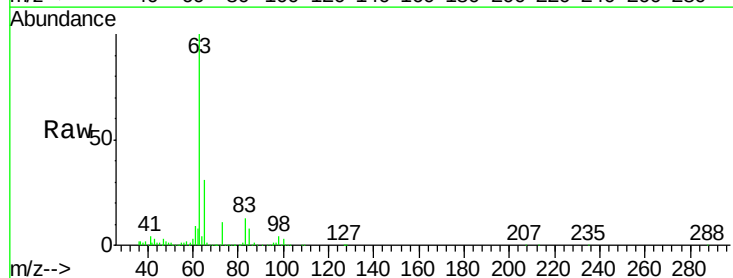
Tgt Ion: 63 Resp: 1777354

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.9
100	2.8	1.4	4.0

63 100

98 4.2 2.3 6.9

100 2.8 1.4 4.0

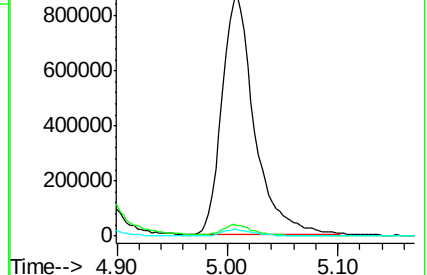
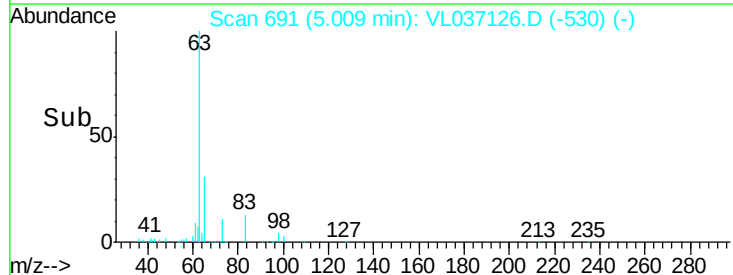


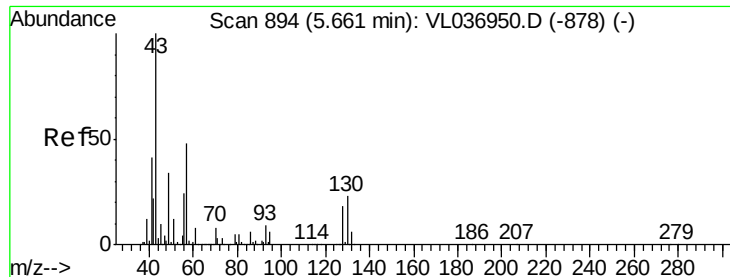
Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

Time-->





#25

Ethyl Acetate

Concen: 10.106 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 3564800

Ion Ratio Lower Upper

43 100

45 9.7 7.8 11.8

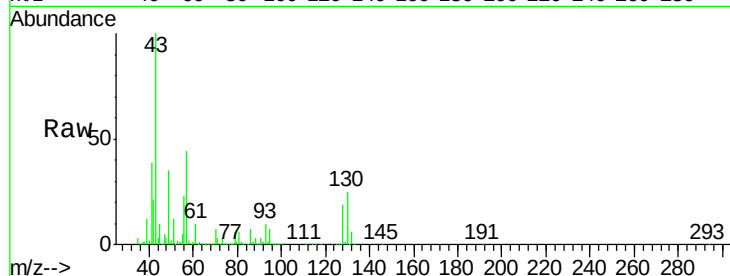
61 9.8 7.8 11.8

70 7.0 5.6 8.4

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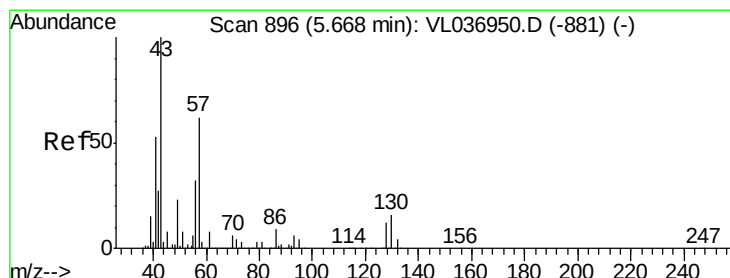
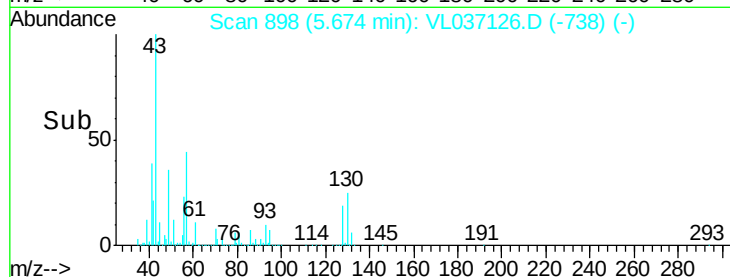
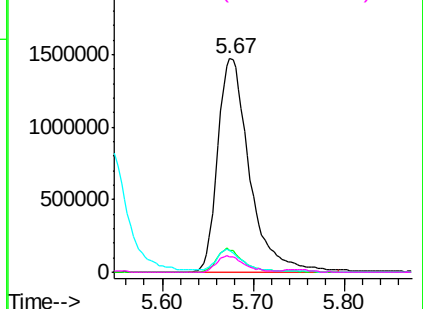


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.339 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.02 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Tgt Ion: 57 Resp: 1683016

Ion Ratio Lower Upper

57 100

41 94.3 70.5 105.7

43 214.3 165.8 248.8

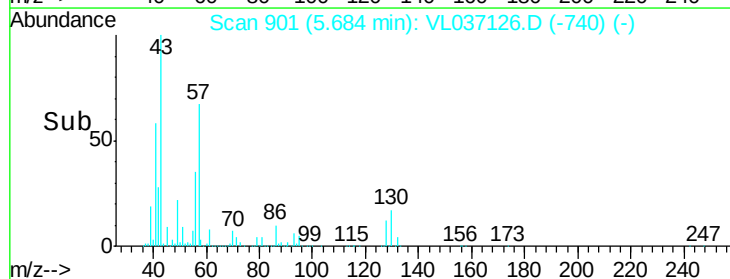
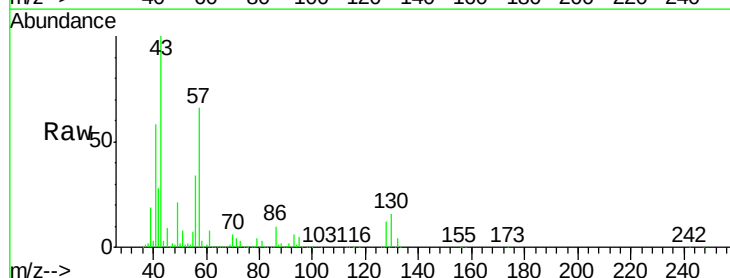
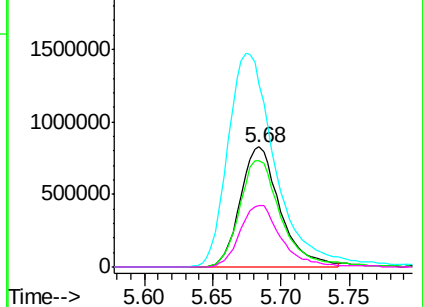
56 54.3 42.2 63.4

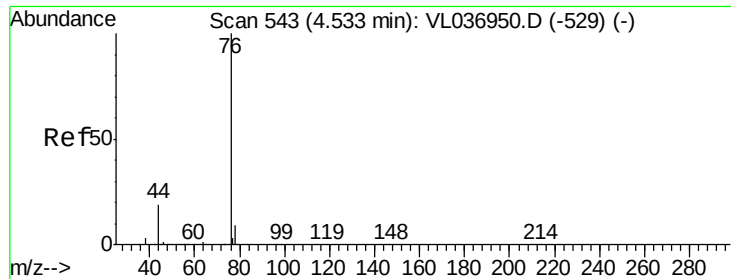
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.157 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.01 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 2026370

Ion Ratio Lower Upper

76 100

44 19.2 15.5 23.3

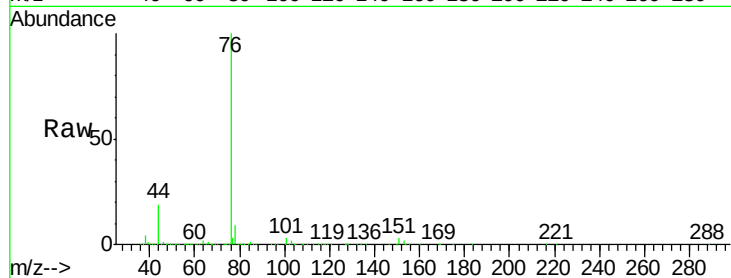
78 9.9 7.8 11.6

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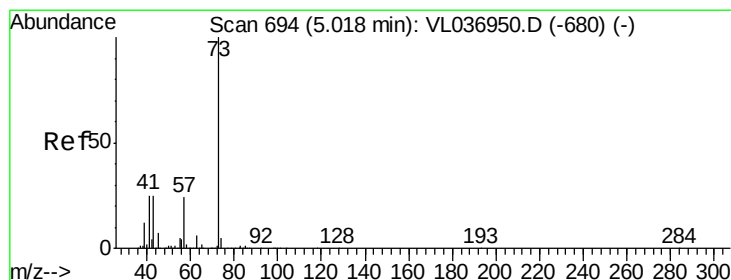
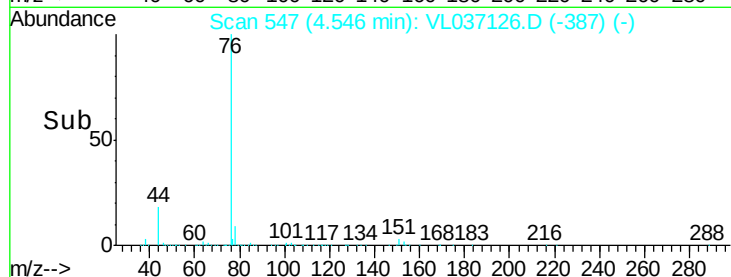
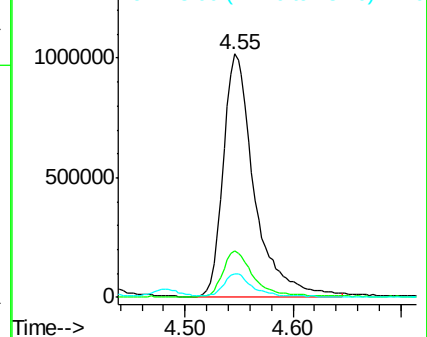
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.030 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL037126.D

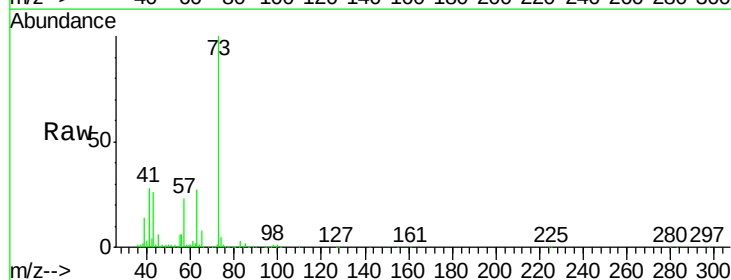
Acq: 8 Jun 2021 9:34

Tgt Ion: 73 Resp: 1950577

Ion Ratio Lower Upper

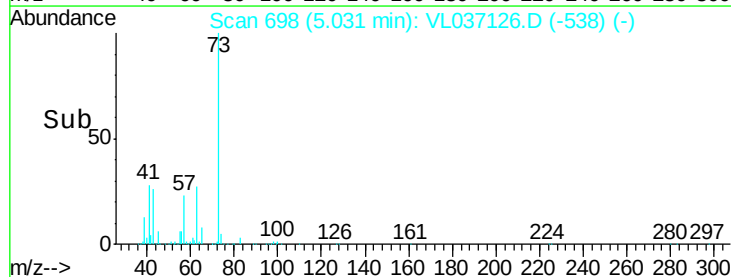
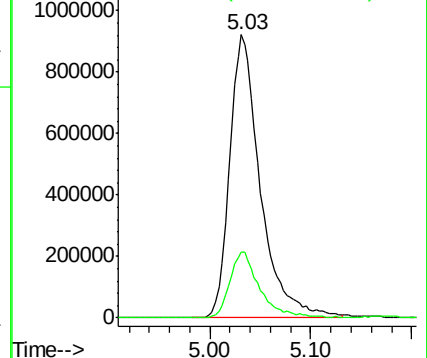
73 100

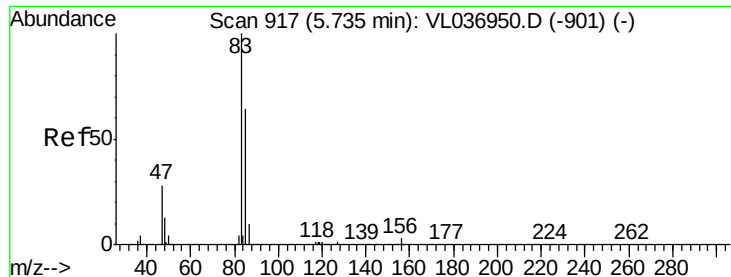
57 23.2 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





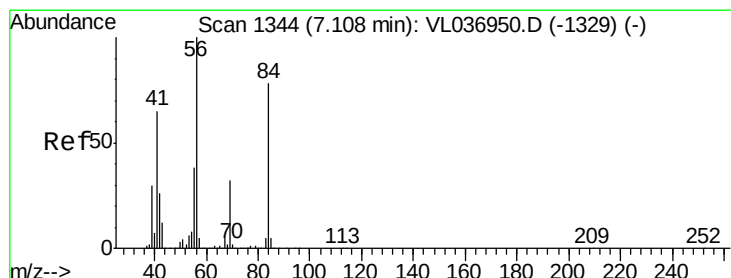
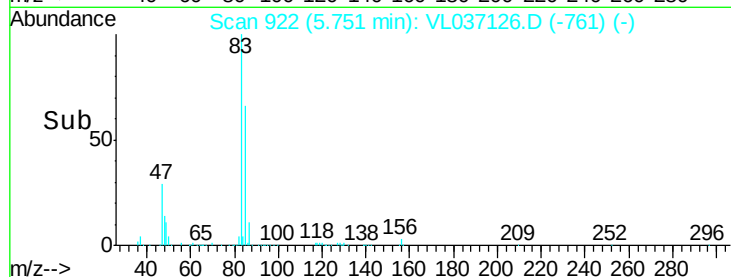
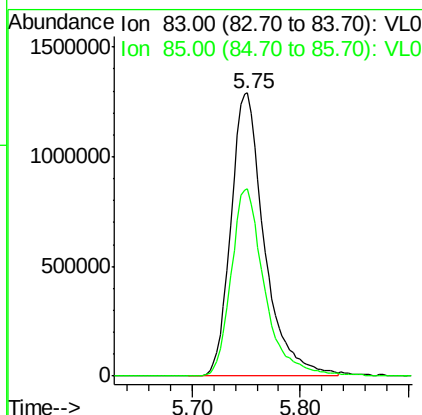
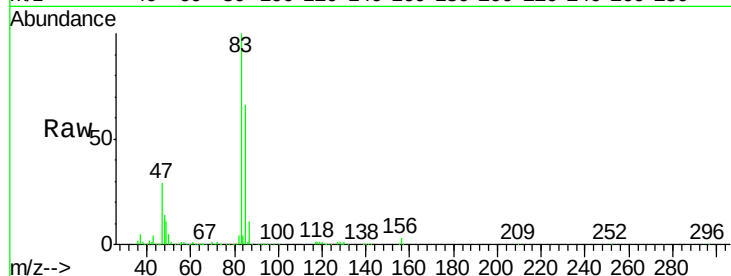
#29
Chloroform
Concen: 10.979 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2795087
Ion Ratio Lower Upper
83 100
85 66.0 51.1 76.7

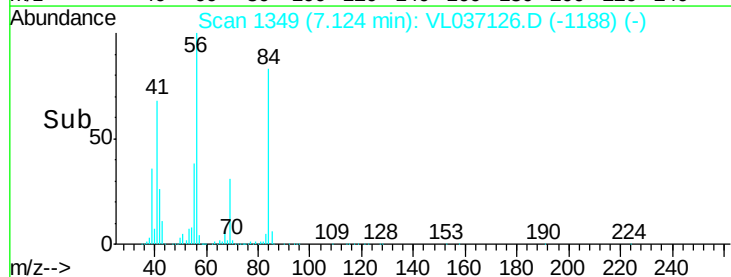
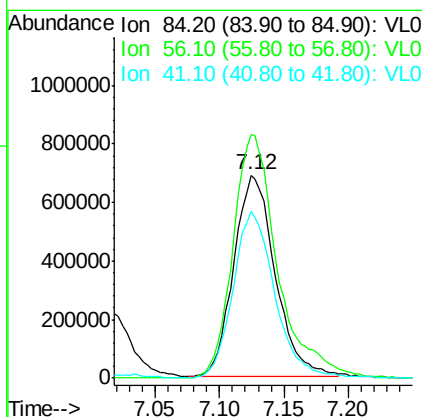
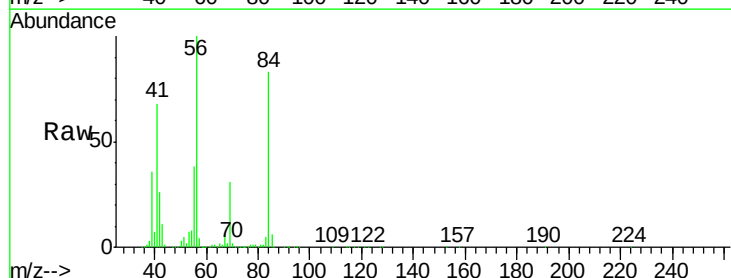
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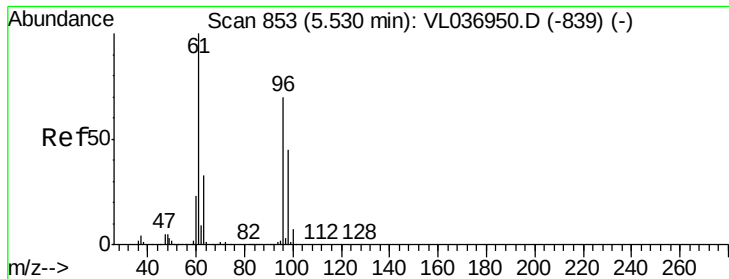
MMDadoda
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#30
Cyclohexane
Concen: 10.002 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Tgt Ion: 84 Resp: 1531716
Ion Ratio Lower Upper
84 100
56 131.8 107.9 161.9
41 84.0 65.5 98.3





#31

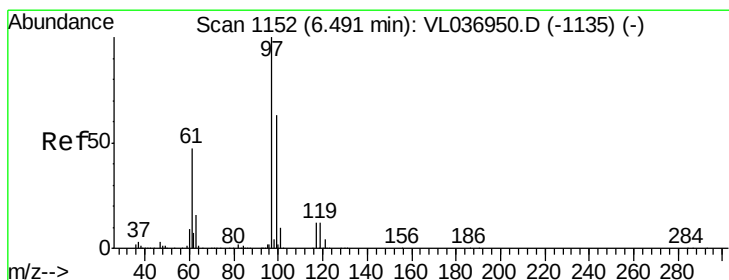
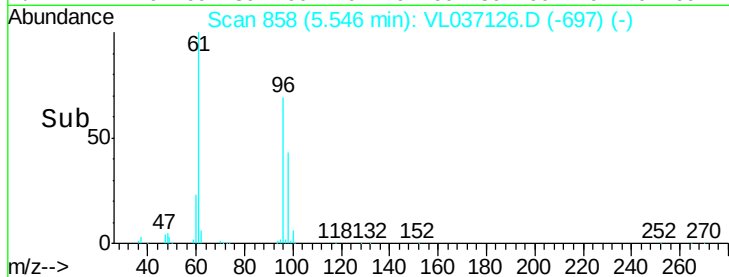
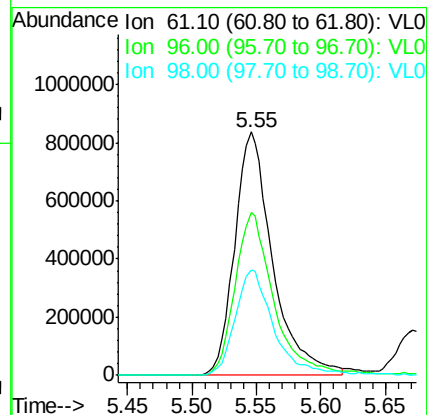
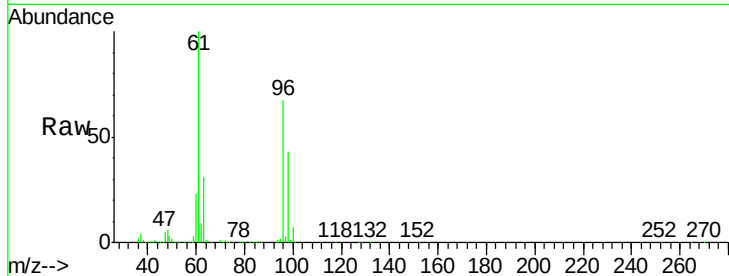
cis-1,2-Dichloroethene
Concen: 10.572 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.8	55.9	83.9
98	43.5	35.6	53.4

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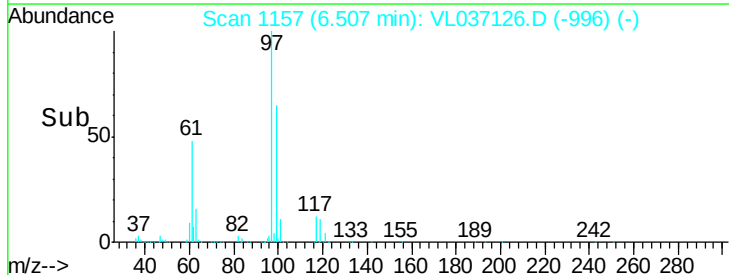
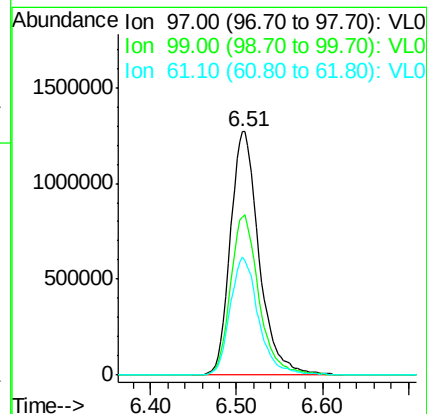
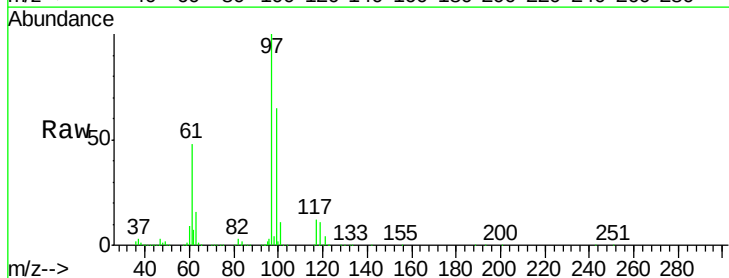
MMDadoda
6/9/2021 4:22:45 PM

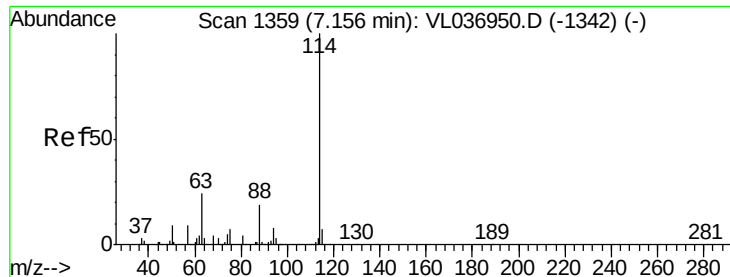


#32

1,1,1-Trichloroethane
Concen: 10.784 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.9	77.9
61	47.7	37.6	56.4





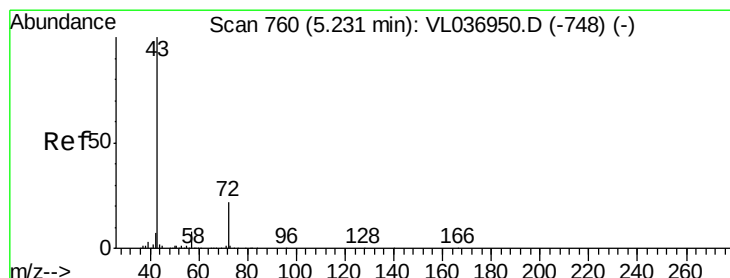
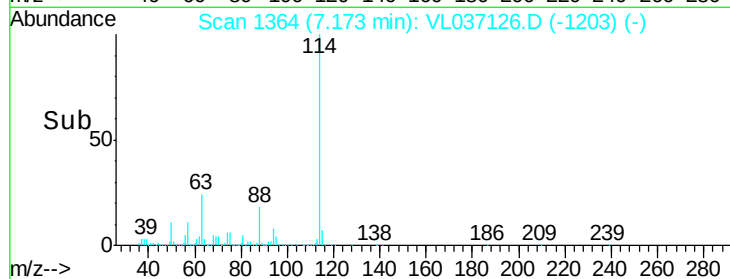
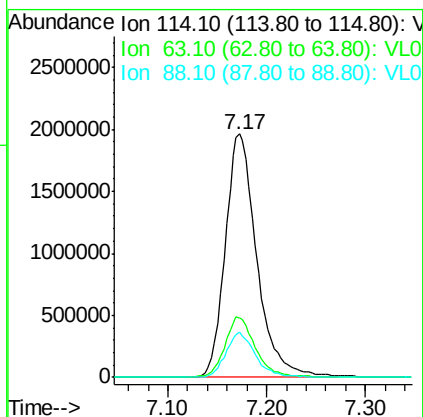
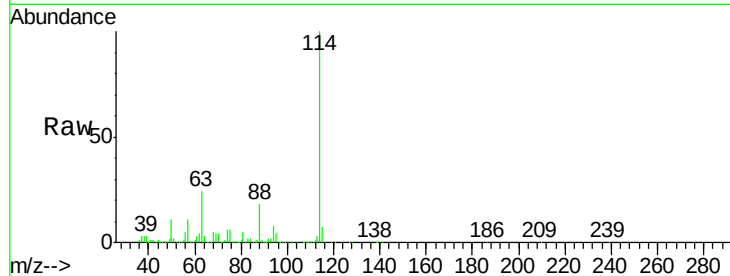
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4385143
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.6 29.4
 88 17.5 14.6 21.8

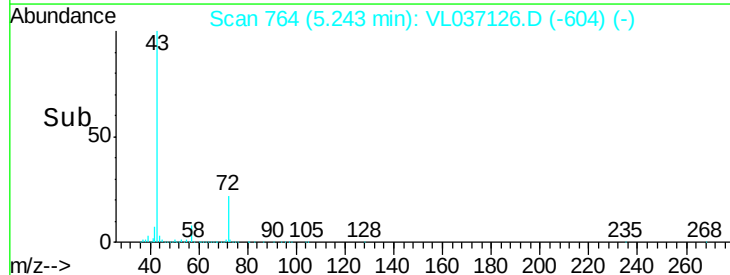
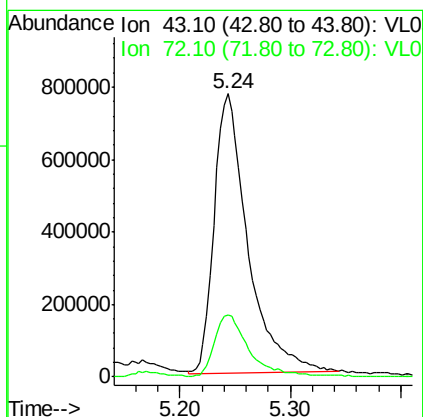
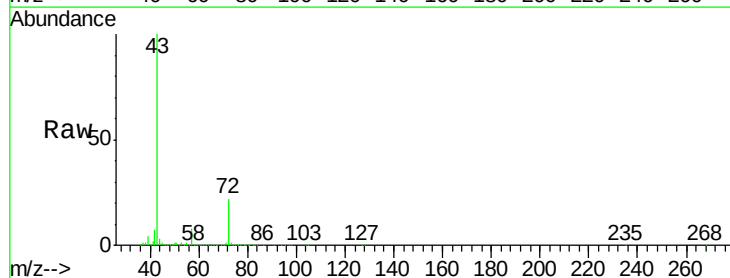
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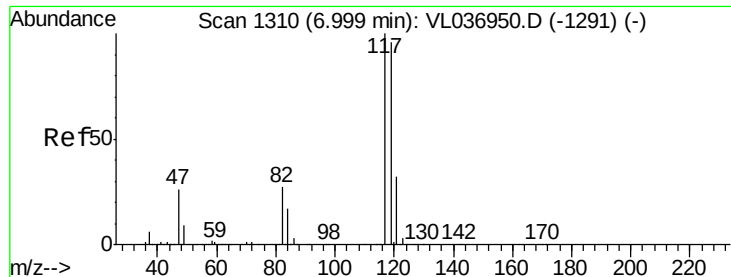
MMDadoda
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#34
 2-Butanone
 Concen: 10.244 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Tgt Ion: 43 Resp: 1635636
 Ion Ratio Lower Upper
 43 100
 72 23.0 19.0 28.4





#35

Carbon Tetrachloride

Concen: 10.755 ppbv

RT: 7.02 min Scan# 1315

Delta R.T. 0.02 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 3133660

Ion Ratio Lower Upper

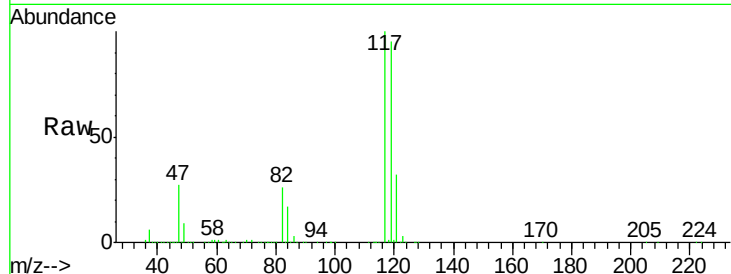
117 100

119 95.3 76.6 114.8

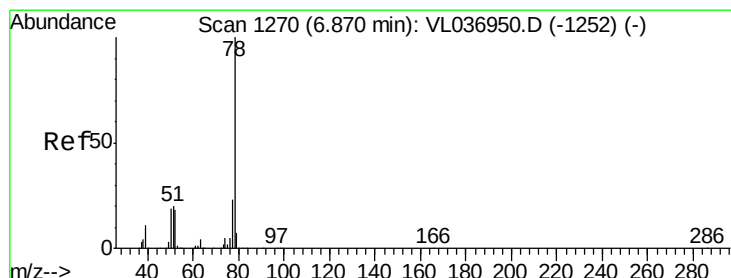
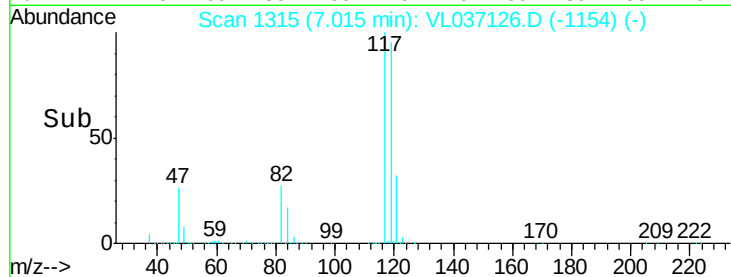
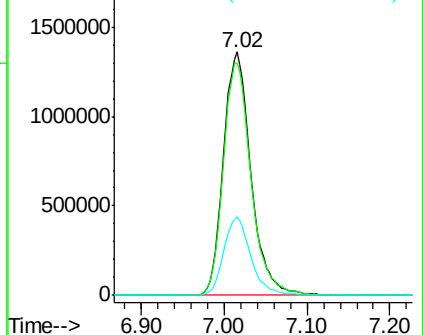
121 32.1 25.8 38.6

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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: 9.542 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. 0.02 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

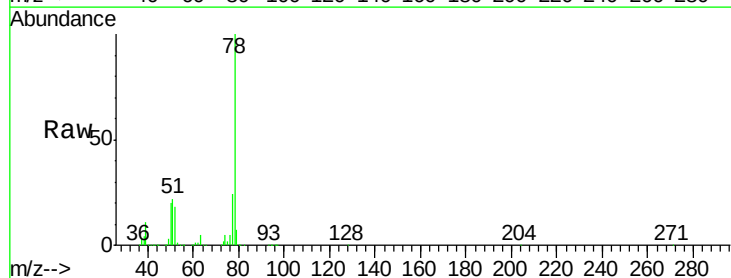
Tgt Ion: 78 Resp: 3604261

Ion Ratio Lower Upper

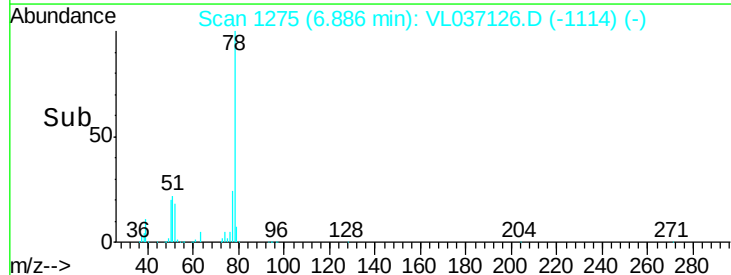
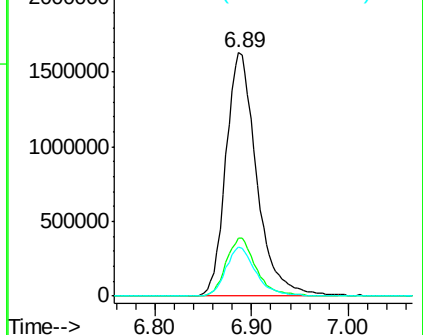
78 100

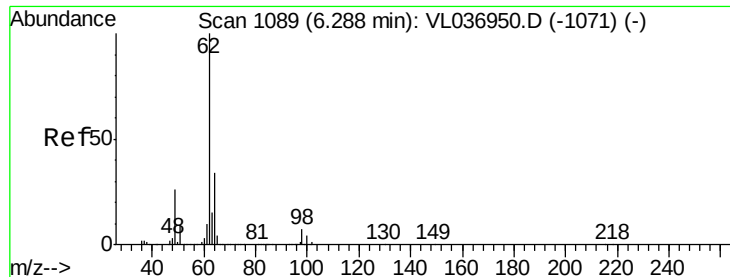
77 23.7 18.6 28.0

50 20.1 15.0 22.4



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





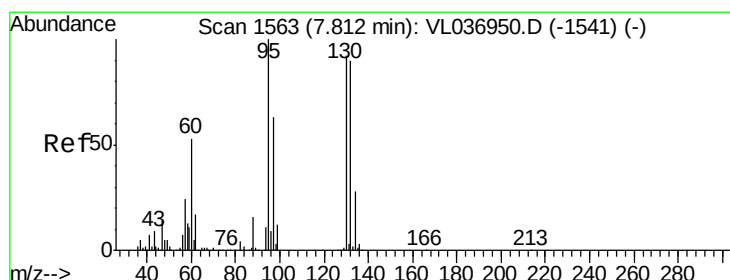
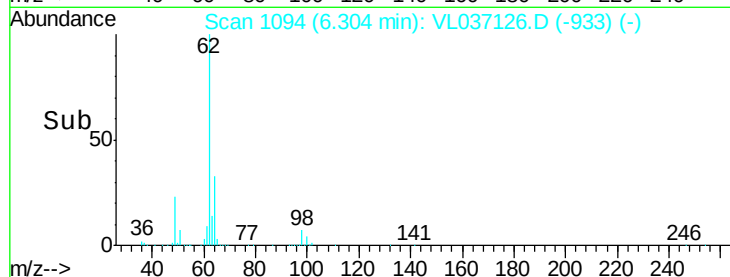
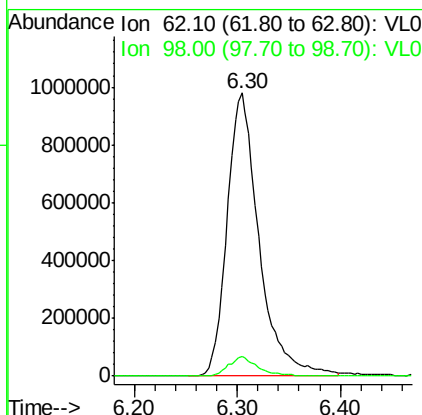
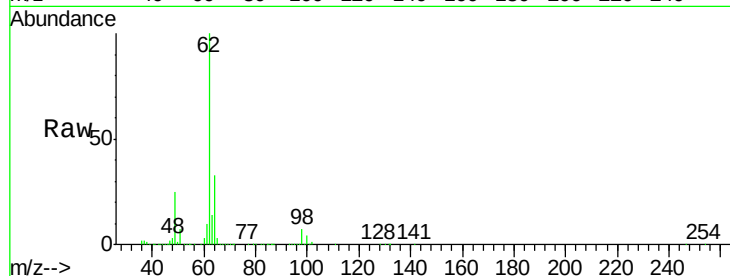
#37
 1,2-Dichloroethane
 Concen: 11.290 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 2114312
 Ion Ratio Lower Upper
 62 100
 98 6.5 5.5 8.3

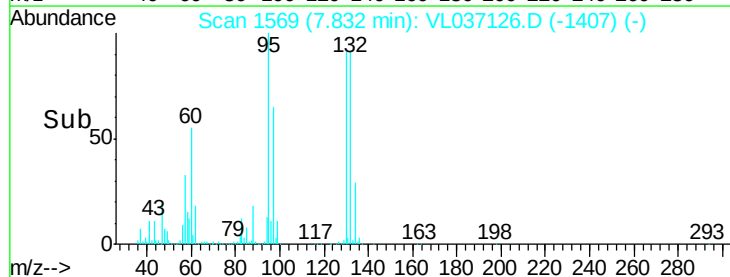
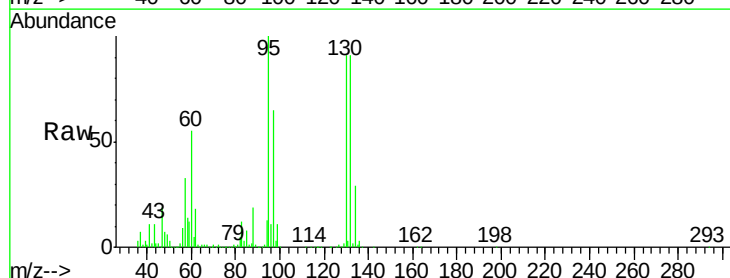
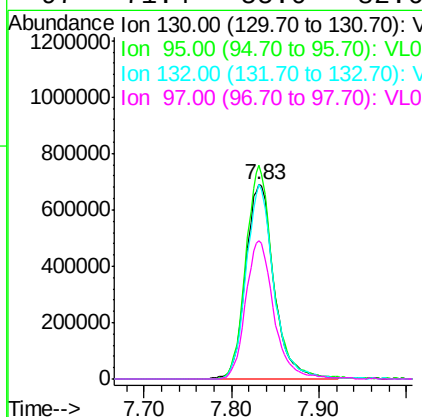
Manual Integrations
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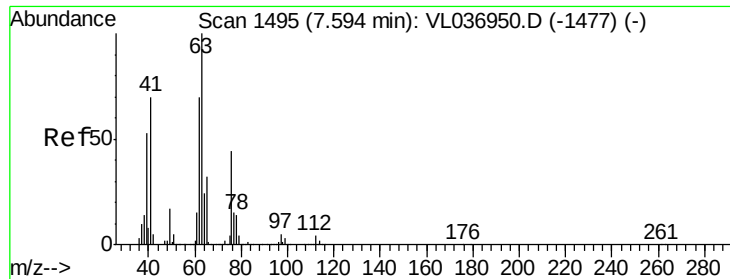
MMDadoda
 6/9/2021 4:22:45 PM



#38
 Trichloroethene
 Concen: 9.628 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Tgt Ion: 130 Resp: 1555717
 Ion Ratio Lower Upper
 130 100
 95 109.9 86.9 130.3
 132 99.8 78.4 117.6
 97 71.4 55.0 82.6





#39

1,2-Dichloropropane

Concen: 9.449 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. 0.02 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1374884

Ion Ratio Lower Upper

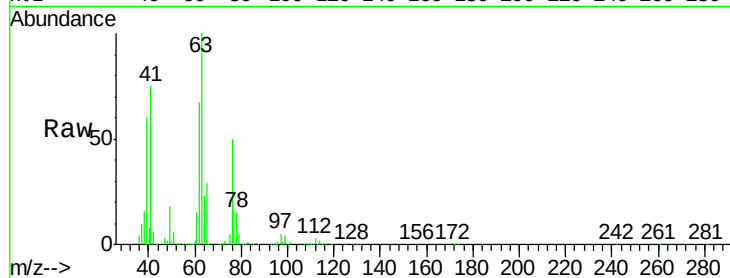
63 100

41 74.9 55.7 83.5

62 67.2 56.2 84.4

Manual Integrations
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Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0

800000

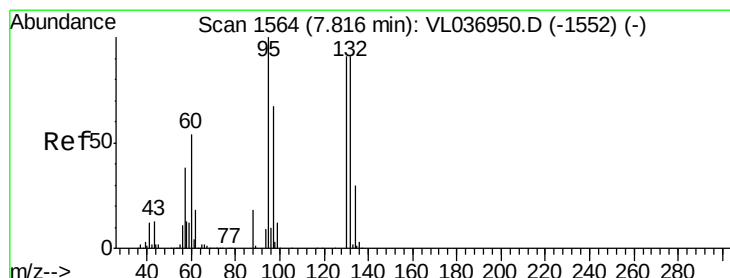
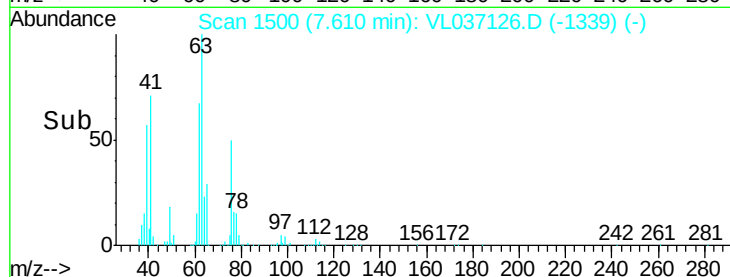
600000

400000

200000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#40

1,4-Dioxane

Concen: 10.390 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.02 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Tgt Ion: 88 Resp: 356949

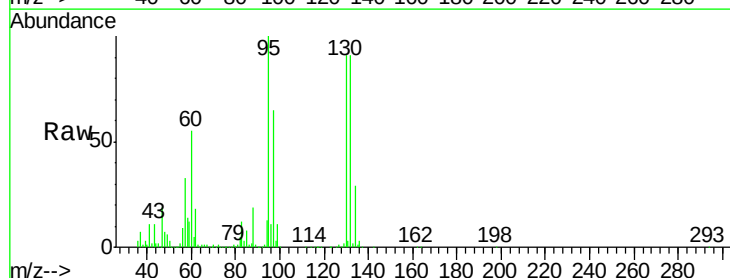
Ion Ratio Lower Upper

88 100

58 149.4 0.0 0.0#

43 376.5 0.0 0.0#

57 1667.3 0.0 0.0#



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

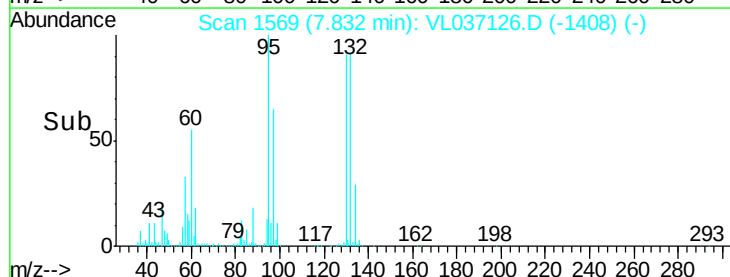
3000000

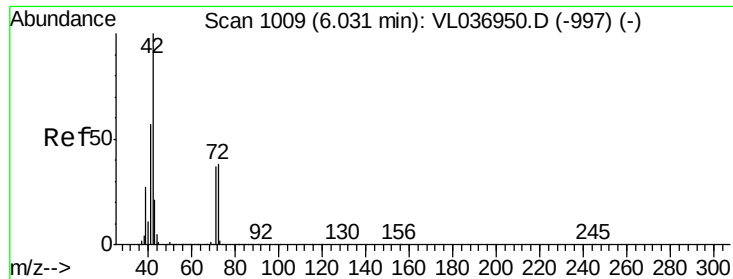
2000000

1000000

0

Time--> 7.80 7.90





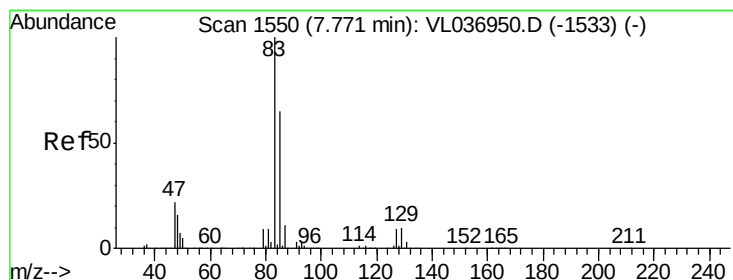
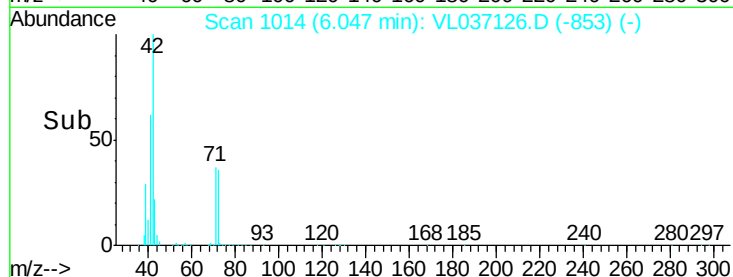
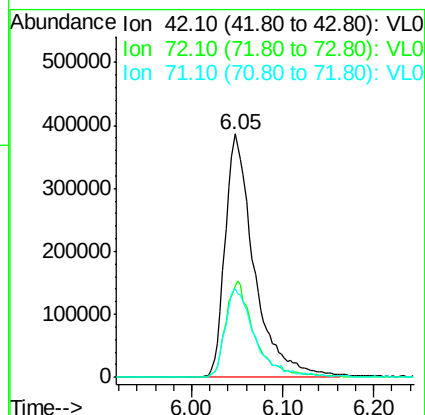
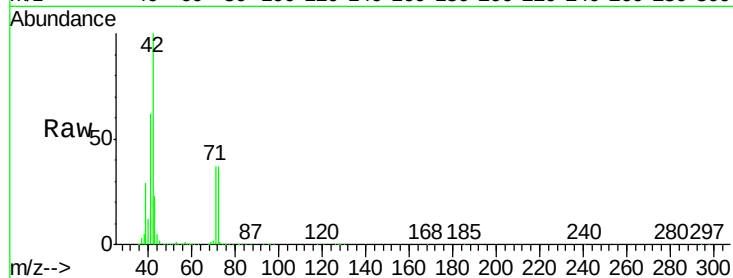
#41
Tetrahydrofuran
Concen: 9.444 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.4	47.2
71	37.8	30.4	45.6

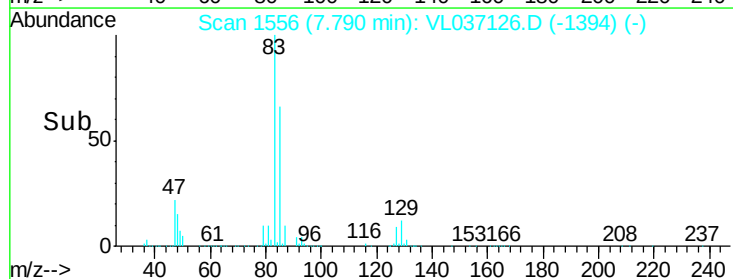
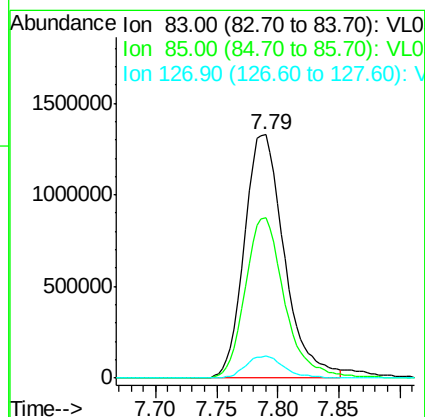
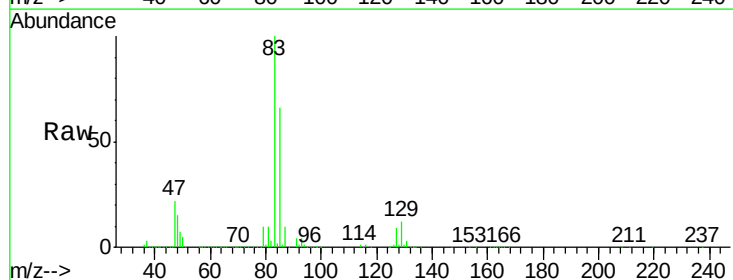
Manual Integrations
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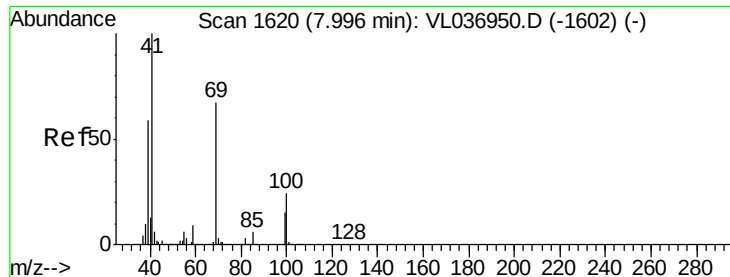
MMDadoda
6/9/2021 4:22:45 PM



#42
Bromodichloromethane
Concen: 10.598 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.7	77.5
127	9.3	6.9	10.3





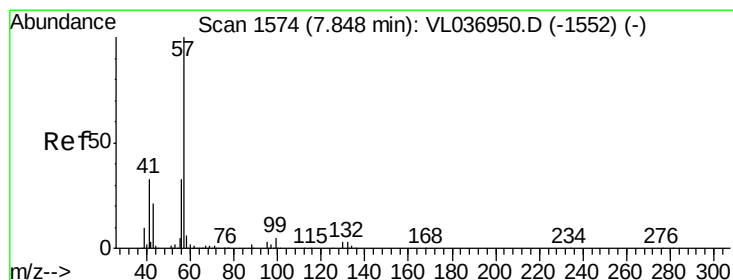
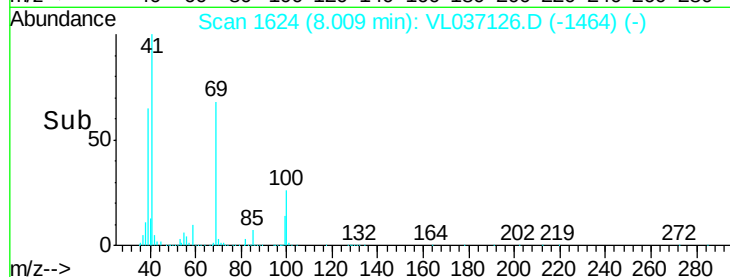
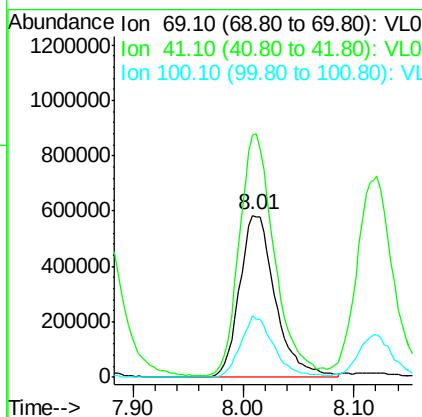
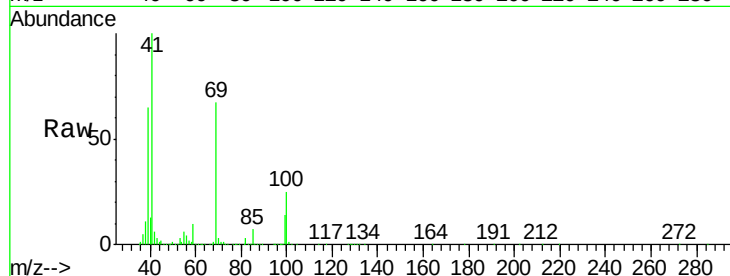
#43
Methyl Methacrylate
Concen: 10.066 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. 0.01 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1310506
Ion Ratio Lower Upper
69 100
41 149.0 118.6 178.0
100 35.4 28.2 42.4

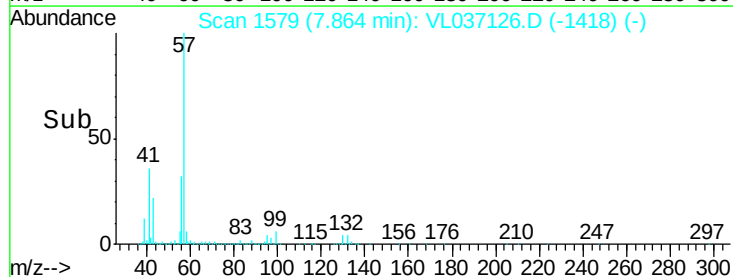
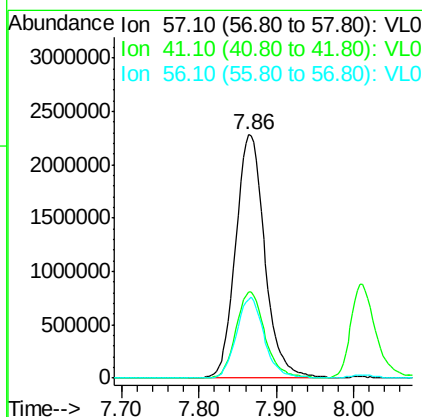
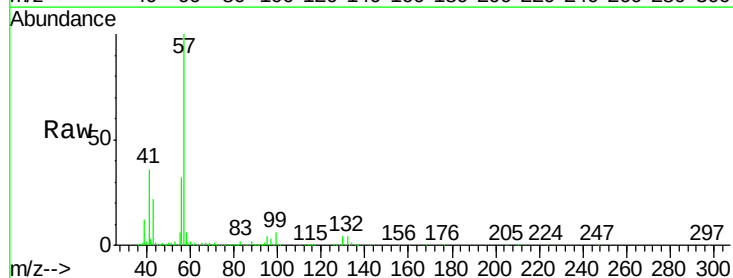
Manual Integrations
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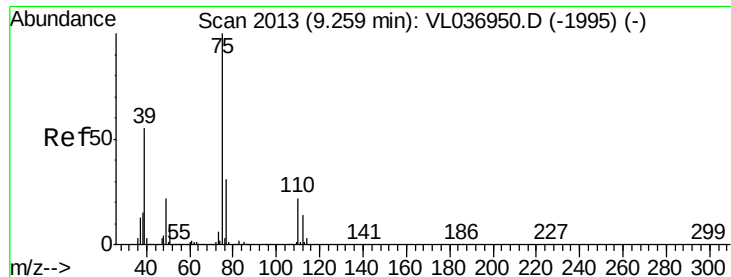
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.180 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Tgt Ion: 57 Resp: 5948981
Ion Ratio Lower Upper
57 100
41 35.0 27.0 40.4
56 31.7 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 10.511 ppbv

RT: 9.28 min Scan# 2018

Delta R.T. 0.02 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1045413

Ion Ratio Lower Upper

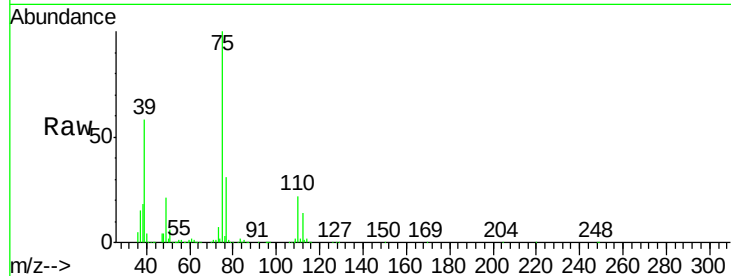
75 100

77 31.1 24.4 36.6

Manual Integrations
APPROVED

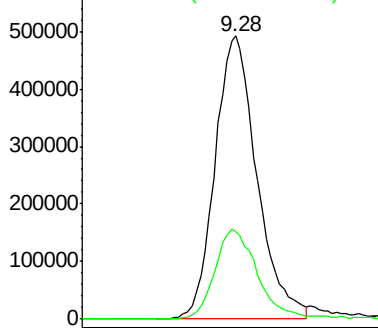
MMDadoda

6/9/2021 4:22:45 PM

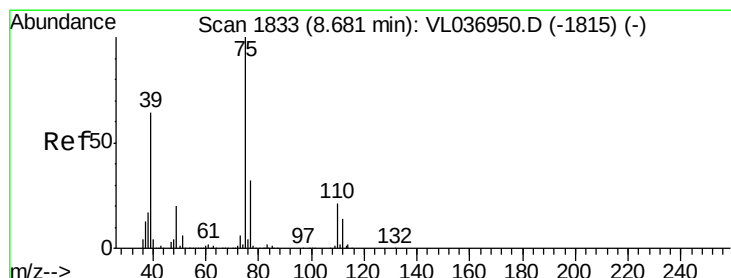
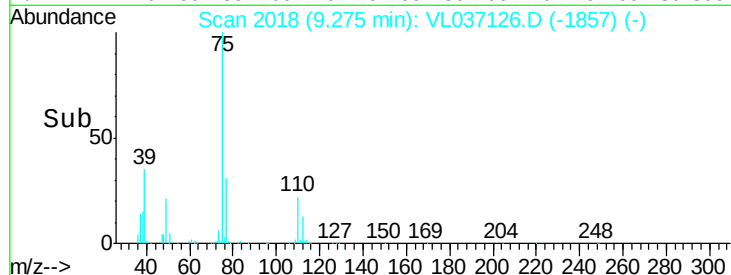


Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.296 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. 0.02 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

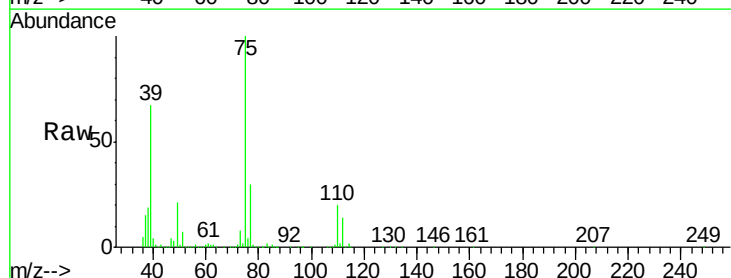
Tgt Ion: 75 Resp: 1377407

Ion Ratio Lower Upper

75 100

39 67.0 51.5 77.3

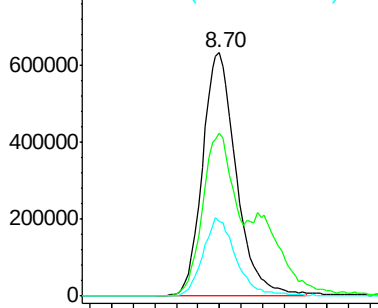
77 30.5 25.9 38.9



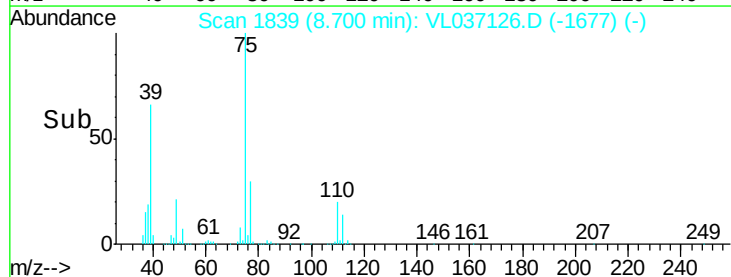
Abundance Ion 75.00 (74.70 to 75.70): VL0

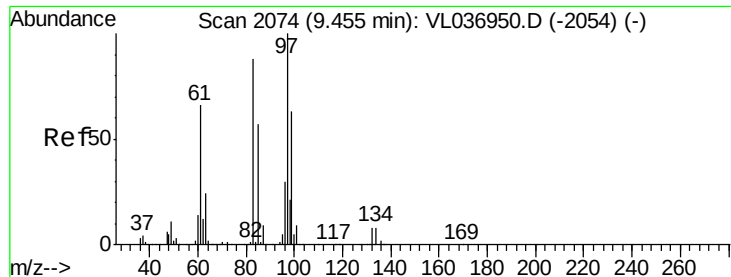
Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



Time-->





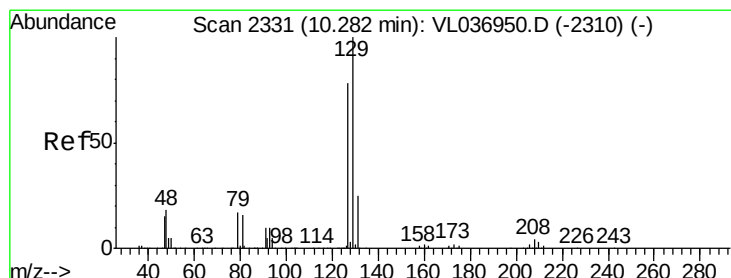
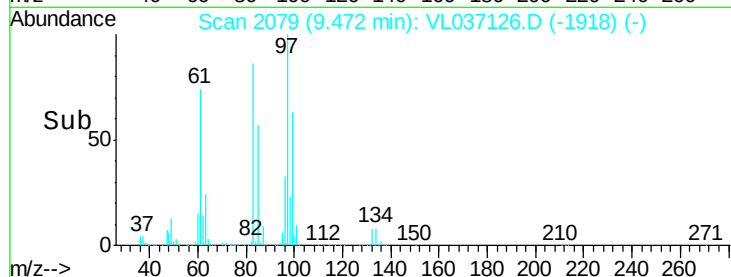
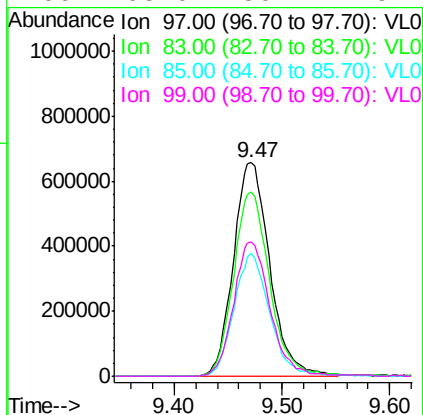
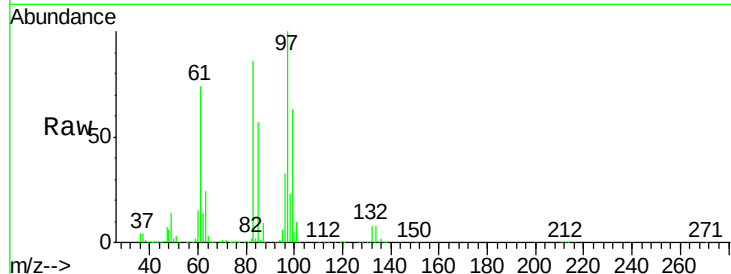
#47
 1,1,2-Trichloroethane
 Concen: 10.138 ppbv
 RT: 9.47 min Scan# 2079
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.4	105.6
85	57.4	45.5	68.3
99	63.0	50.2	75.2

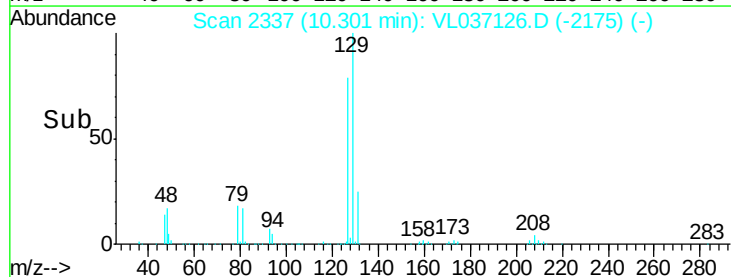
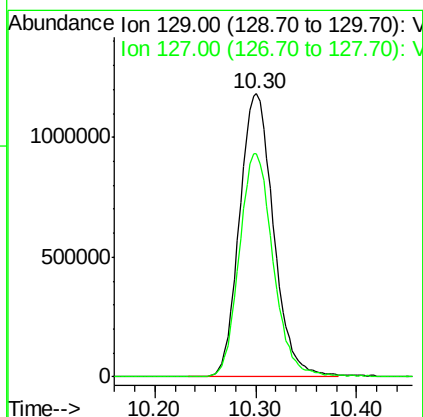
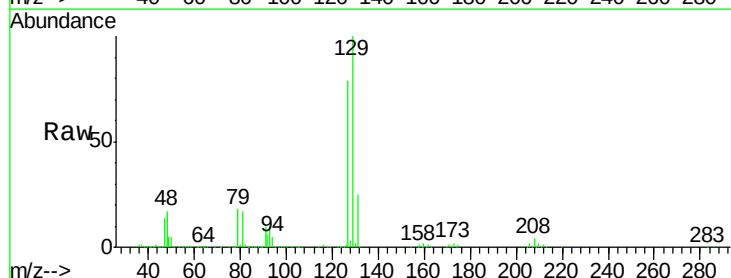
Manual Integrations
 APPROVED

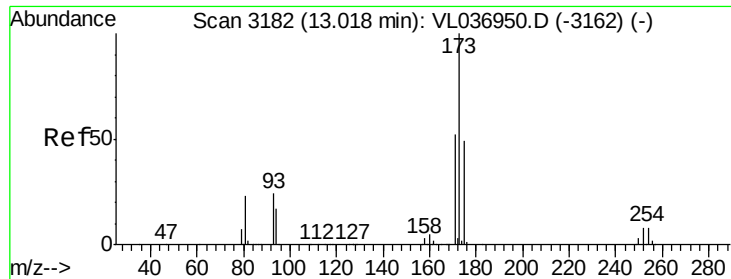
MMDadoda
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#48
 Dibromochloromethane
 Concen: 11.178 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.3	117.8





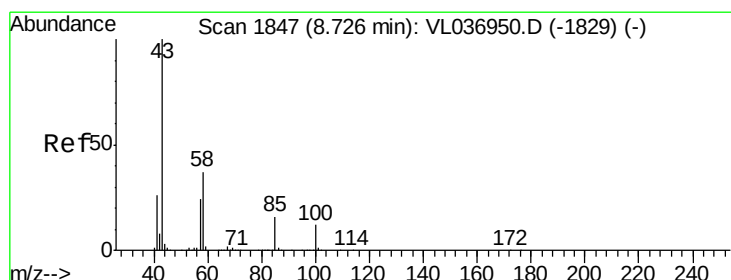
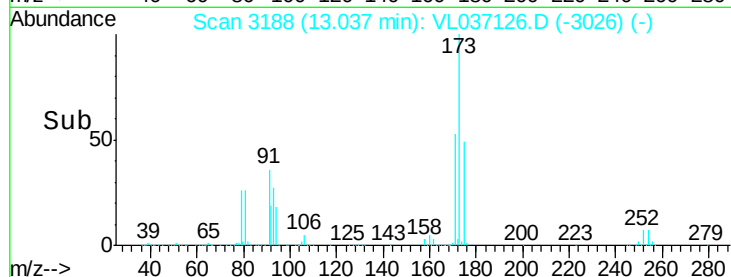
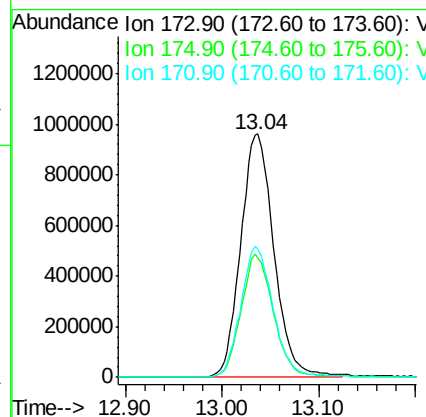
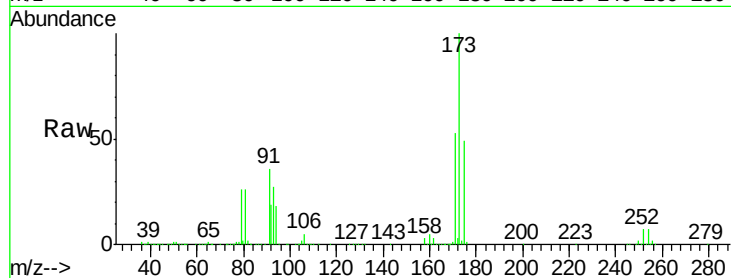
#49
Bromoform
Concen: 11.292 ppbv
RT: 13.04 min Scan# 3188
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 2299562
Ion Ratio Lower Upper
173 100
175 49.6 40.4 60.6
171 53.2 42.6 64.0

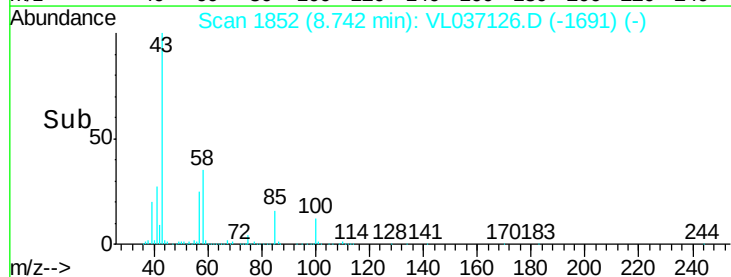
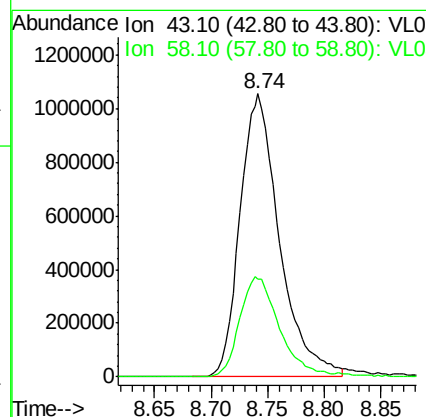
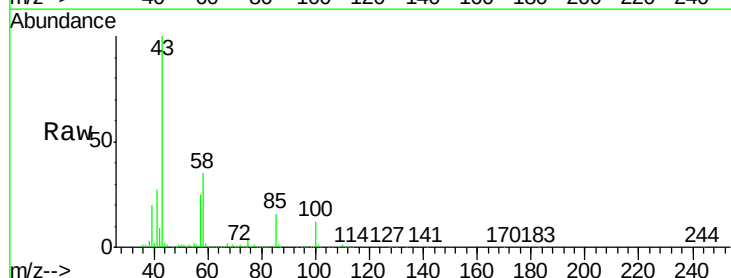
Manual Integrations
APPROVED

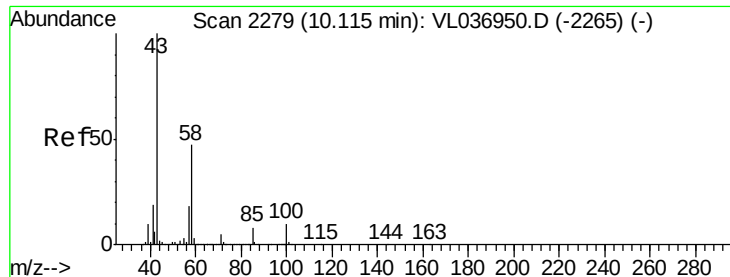
MMDadoda
6/9/2021 4:22:45 PM



#50
4-Methyl-2-Pentanone
Concen: 9.694 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Tgt Ion: 43 Resp: 2554251
Ion Ratio Lower Upper
43 100
58 36.7 29.4 44.2





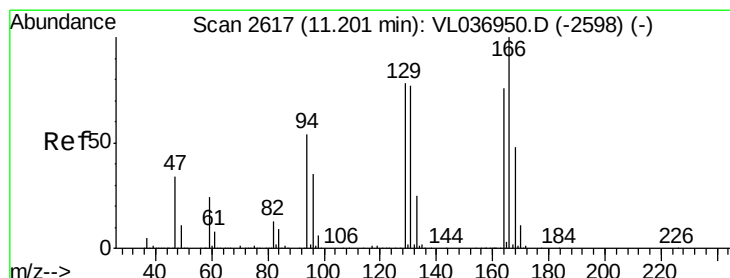
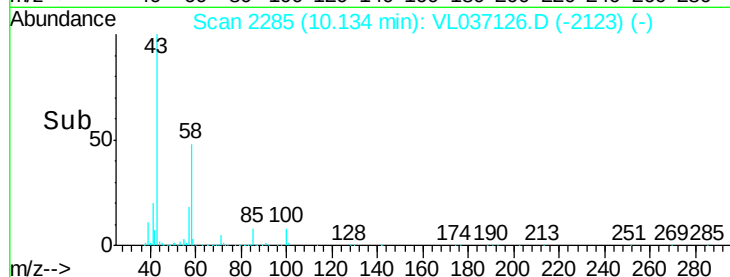
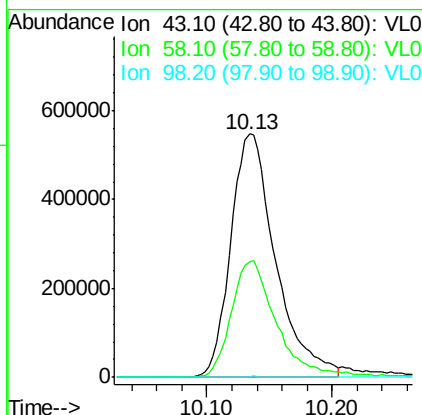
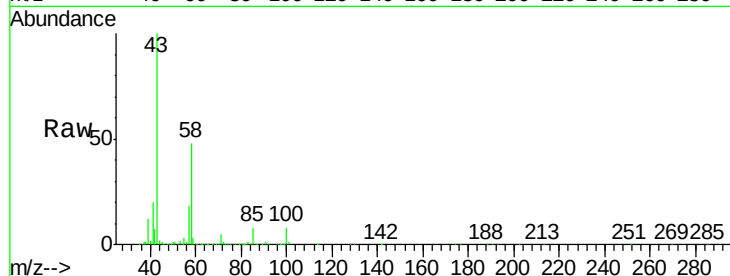
#51
2-Hexanone
Concen: 9.770 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1360941
Ion Ratio Lower Upper
43 100
58 48.5 41.1 61.7
98 0.4 0.1 0.1#

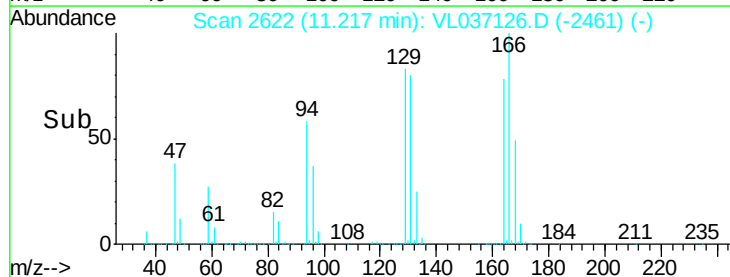
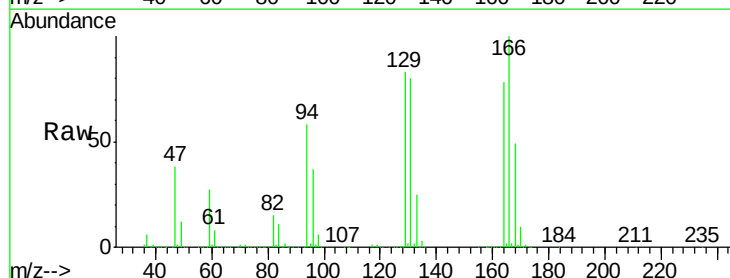
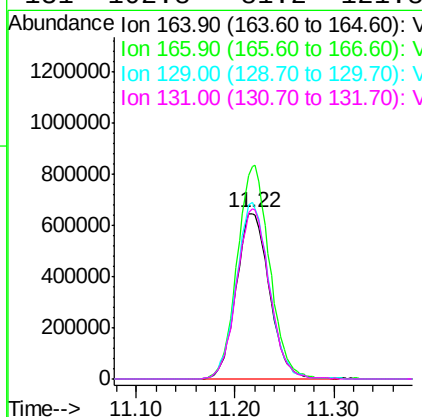
Manual Integrations
APPROVED

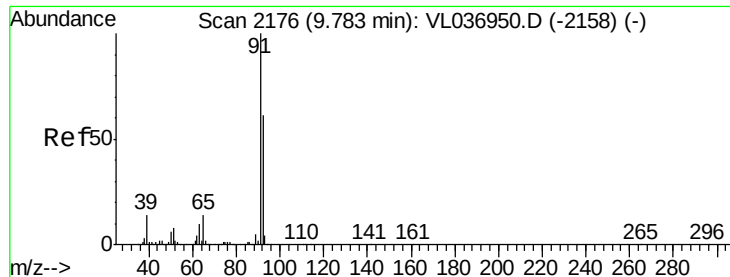
MMDadoda
6/9/2021 4:22:45 PM



#52
Tetrachloroethene
Concen: 10.047 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Tgt Ion: 164 Resp: 1509057
Ion Ratio Lower Upper
164 100
166 128.8 105.5 158.3
129 106.4 81.8 122.8
131 102.8 81.2 121.8





#53

Toluene

Concen: 9.675 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.02 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4348357

Ion Ratio Lower Upper

91 100

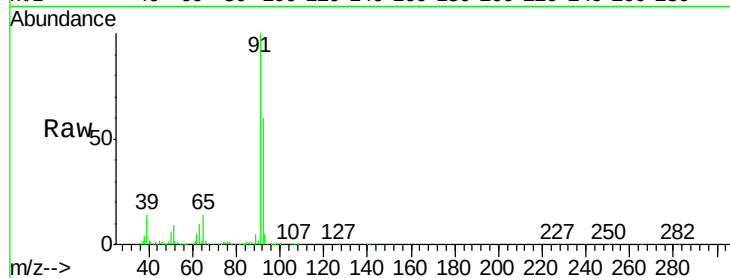
92 60.6 49.5 74.3

Manual Integrations

APPROVED

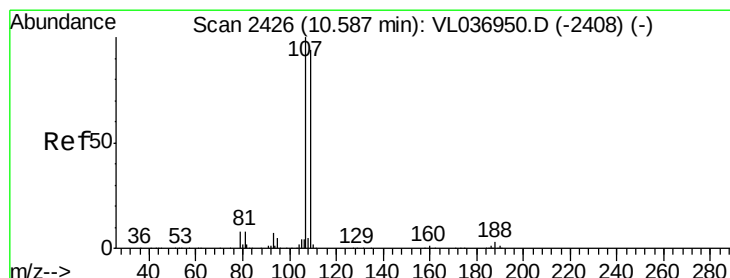
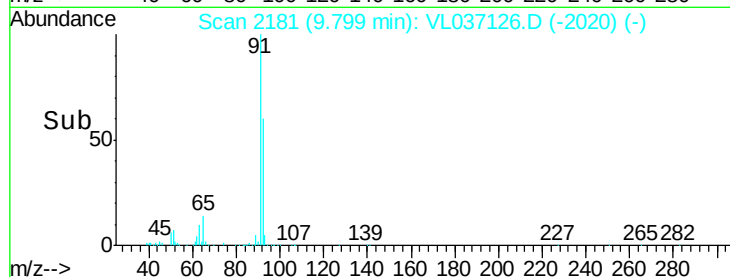
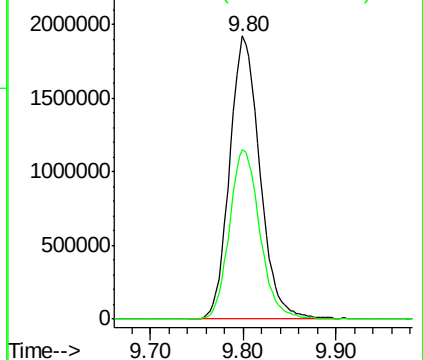
MMDadoda

6/9/2021 4:22:45 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.607 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.02 min

Lab File: VL037126.D

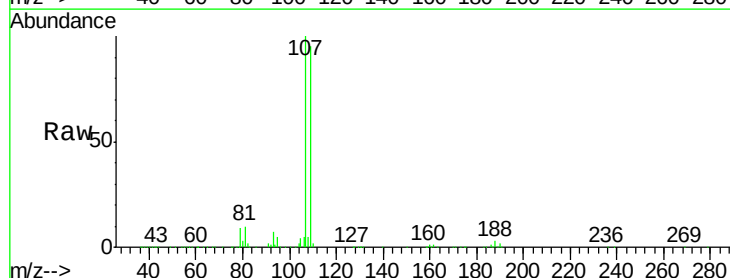
Acq: 8 Jun 2021 9:34

Tgt Ion: 107 Resp: 2296542

Ion Ratio Lower Upper

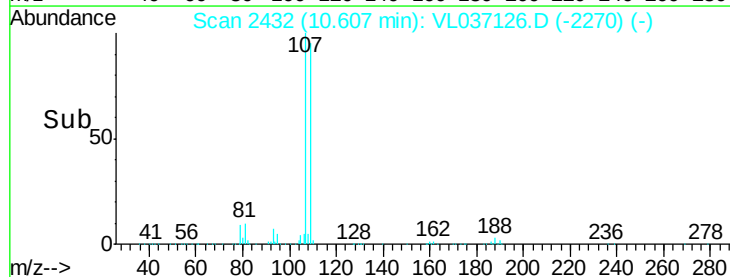
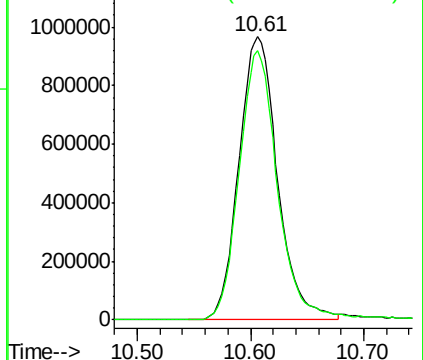
107 100

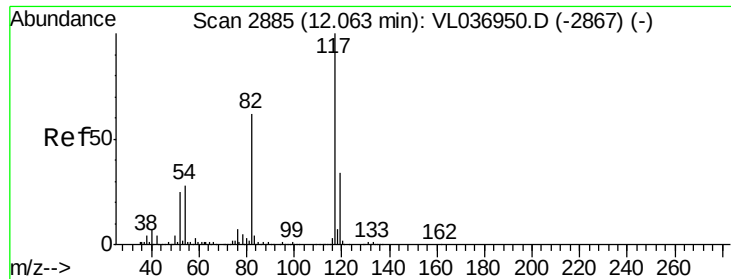
109 94.9 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





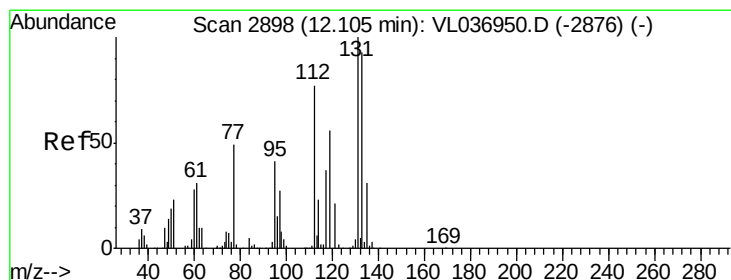
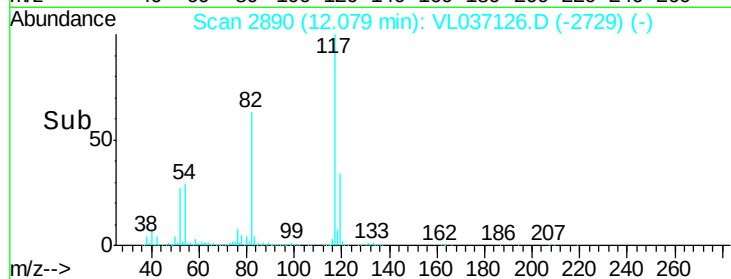
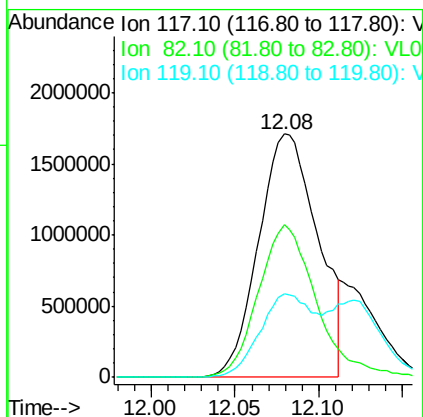
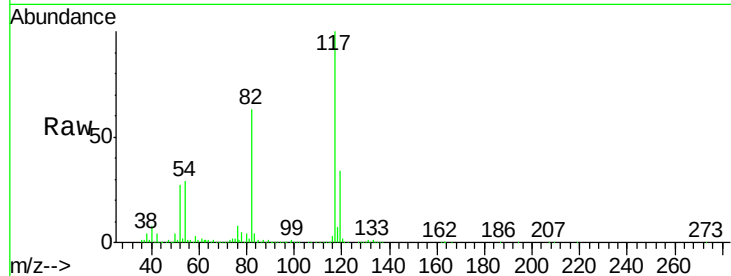
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2890
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 4185887
Ion Ratio Lower Upper
117 100
82 62.7 52.6 79.0
119 31.6 46.6 70.0#

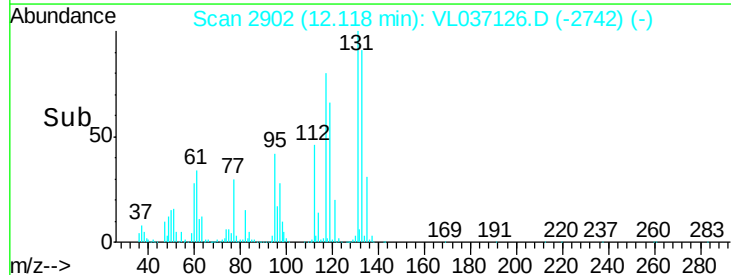
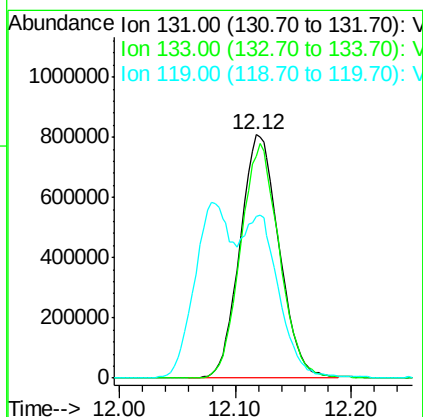
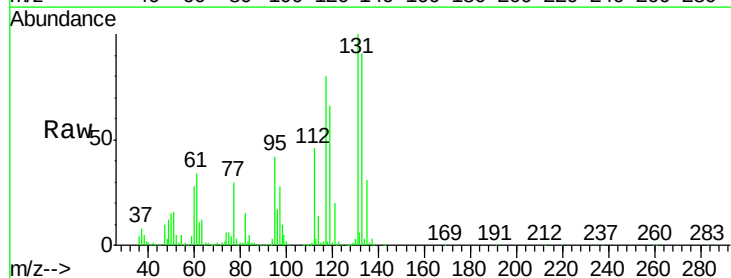
Manual Integrations
APPROVED

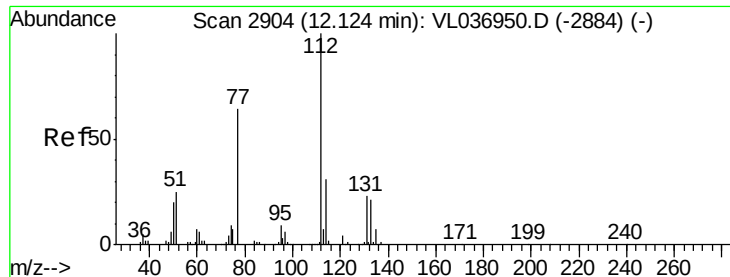
MMDadoda
6/9/2021 4:22:45 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.769 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Tgt Ion:131 Resp: 1896749
Ion Ratio Lower Upper
131 100
133 95.5 76.9 115.3
119 62.5 120.2 180.4#





#57

Chlorobenzene

Concen: 10.097 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. 0.02 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 3277204

Ion Ratio Lower Upper

112 100

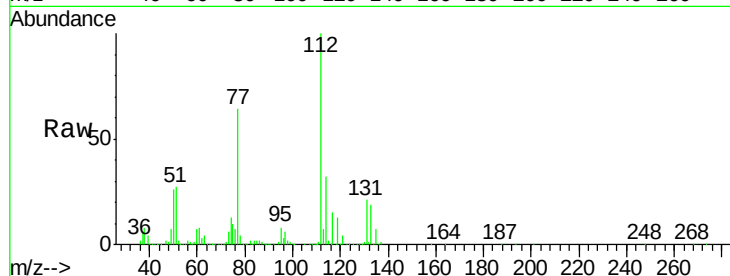
77 63.3 51.0 76.6

114 32.4 28.3 34.5

Manual Integrations
APPROVED

MMDadoda

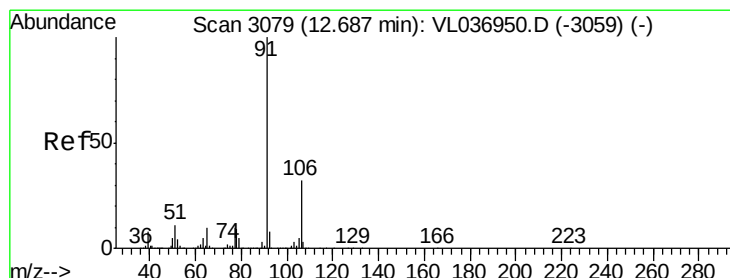
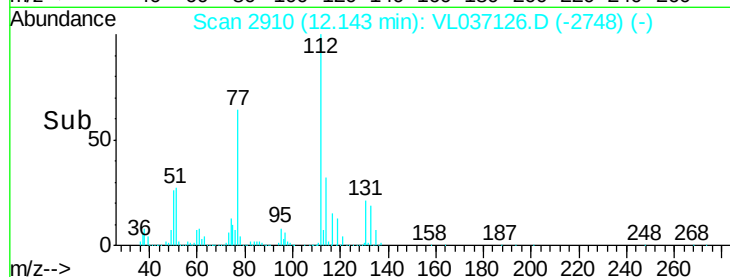
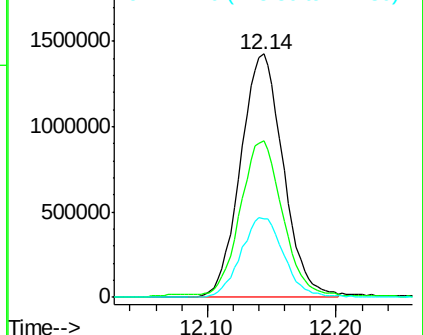
6/9/2021 4:22:45 PM



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: 9.808 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. 0.02 min

Lab File: VL037126.D

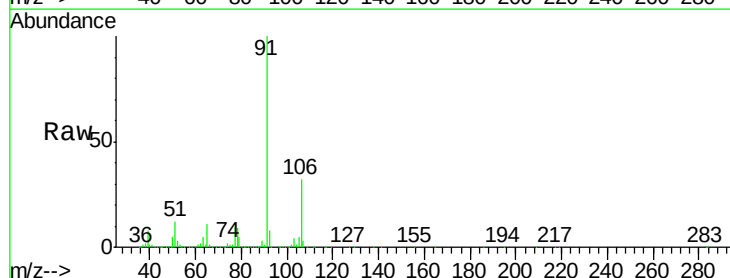
Acq: 8 Jun 2021 9:34

Tgt Ion: 91 Resp: 5794362

Ion Ratio Lower Upper

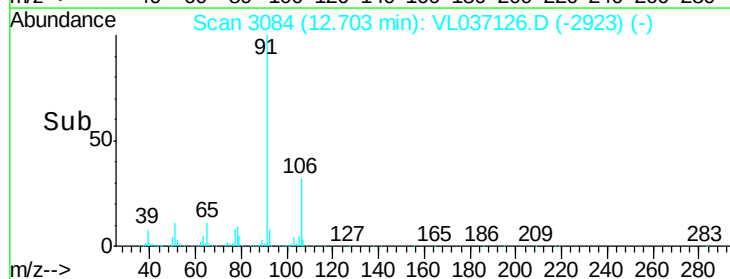
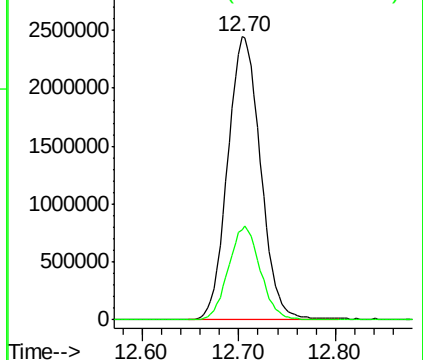
91 100

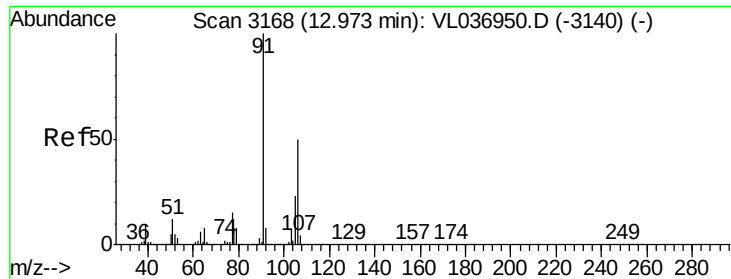
106 32.0 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





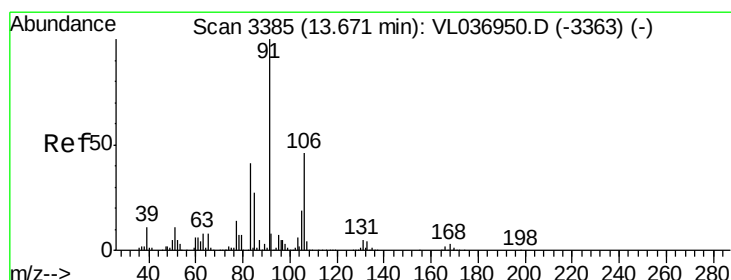
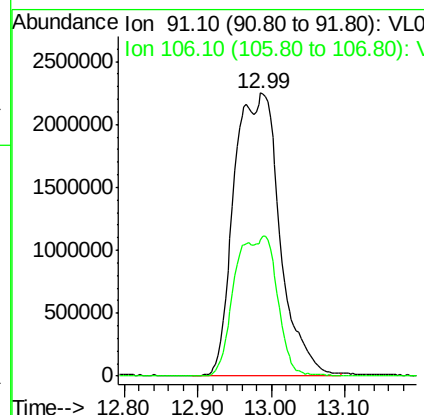
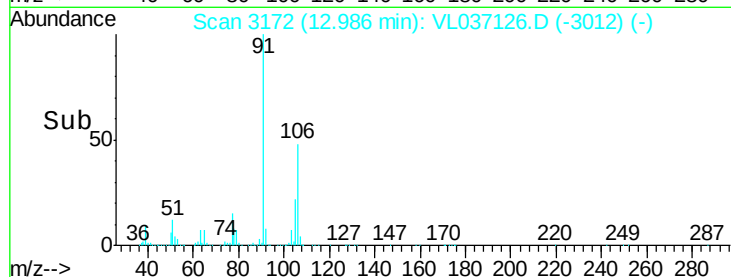
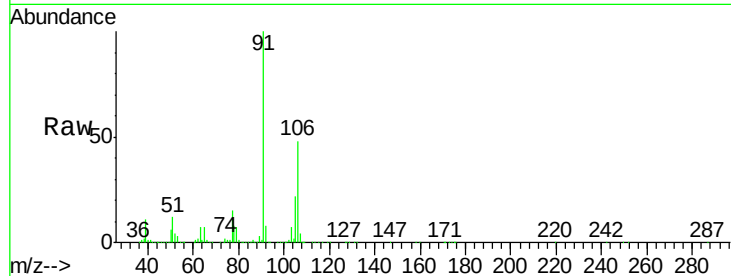
#59
m/p-Xylene
Concen: 19.992 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. 0.01 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 9763165
Ion Ratio Lower Upper
91 100
106 46.1 37.4 56.2

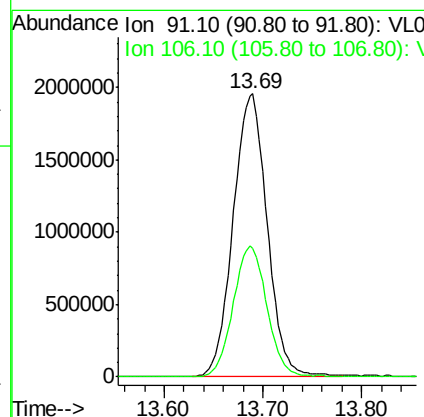
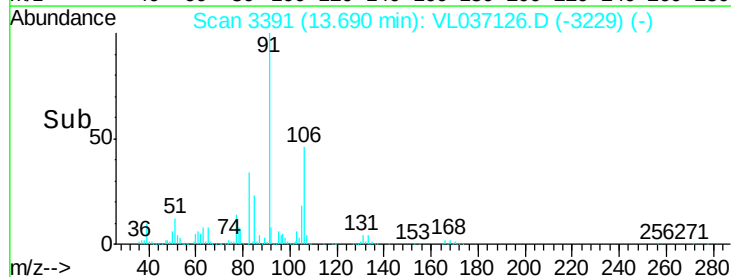
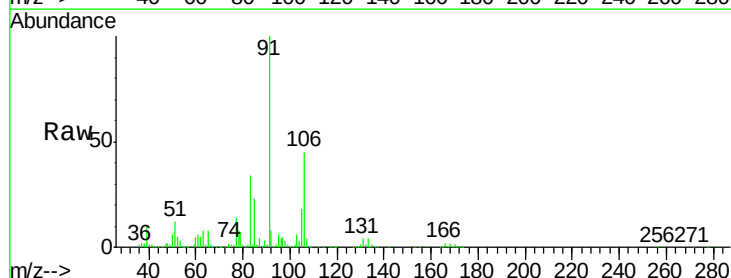
Manual Integrations
APPROVED

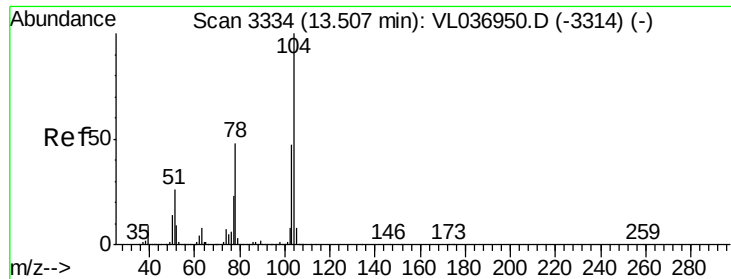
MMDadoda
6/9/2021 4:22:45 PM



#60
o-Xylene
Concen: 10.002 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Tgt Ion: 91 Resp: 4658605
Ion Ratio Lower Upper
91 100
106 46.2 23.4 70.3





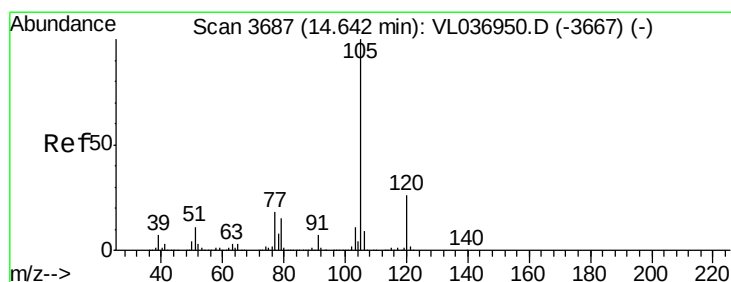
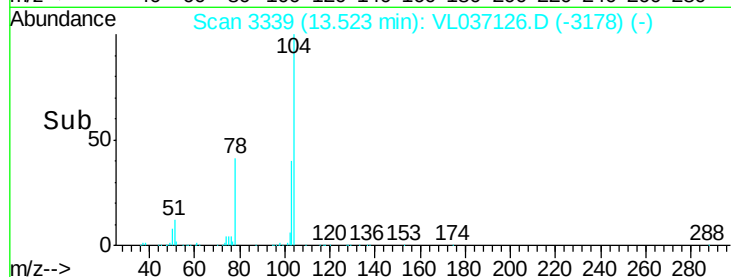
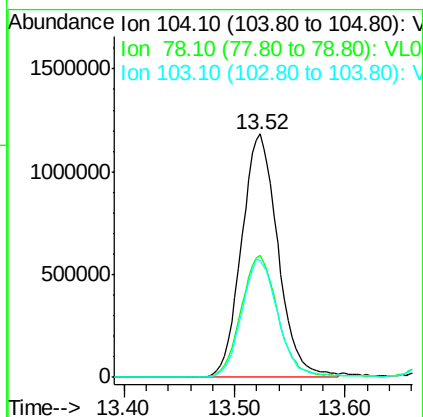
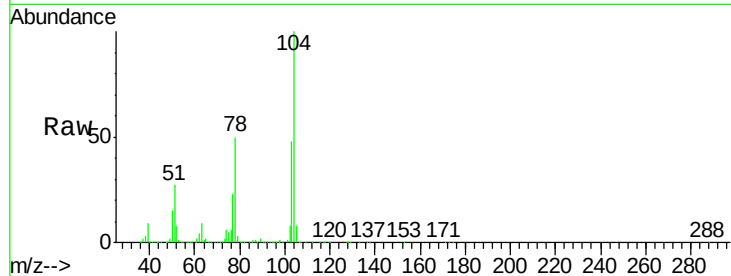
#61
Stvrene
Concen: 10.318 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:104 Resp: 2707443
Ion Ratio Lower Upper
104 100
78 50.9 39.0 58.6
103 48.8 38.0 57.0

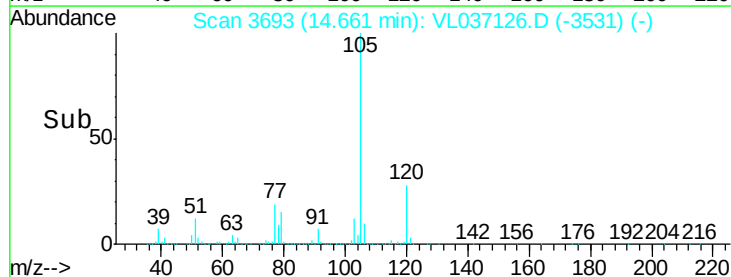
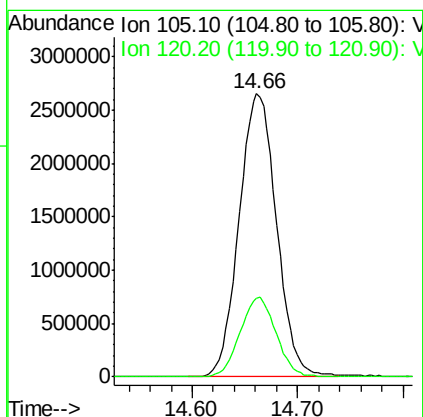
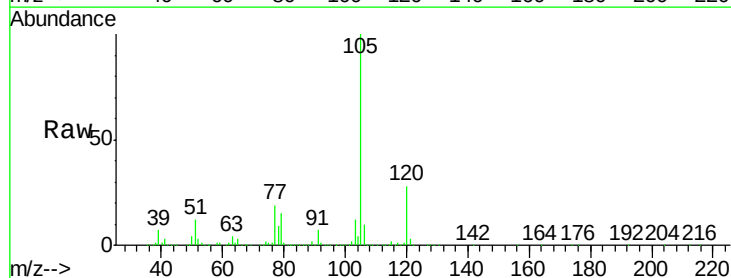
Manual Integrations
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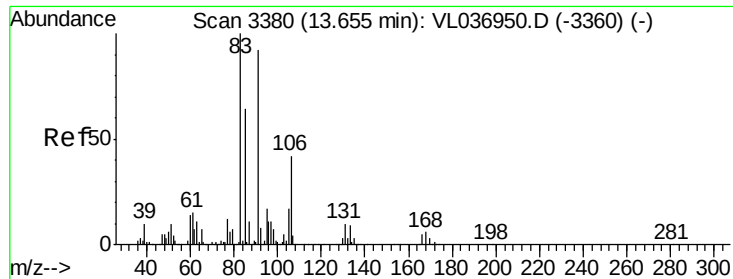
MMDadoda
6/9/2021 4:22:45 PM



#62
Isopropylbenzene
Concen: 9.792 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Tgt Ion:105 Resp: 6554234
Ion Ratio Lower Upper
105 100
120 27.1 21.7 32.5





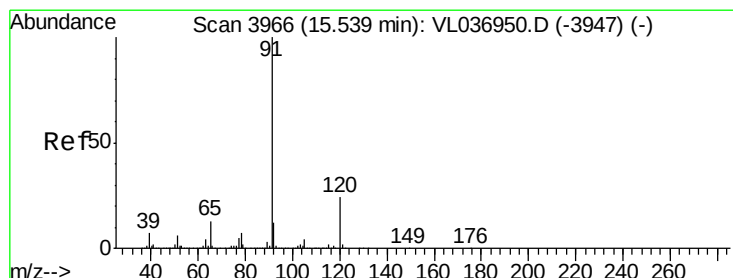
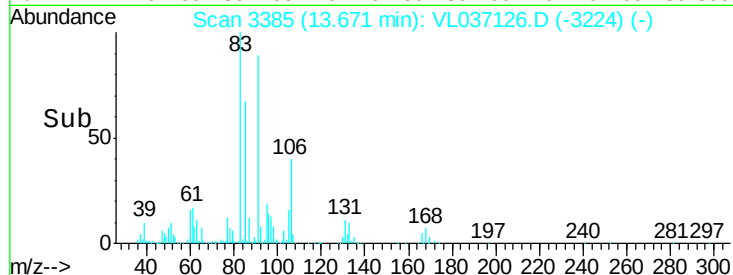
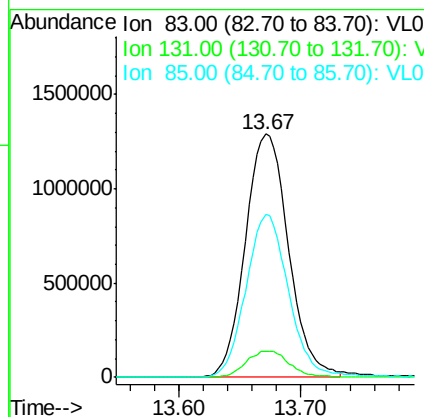
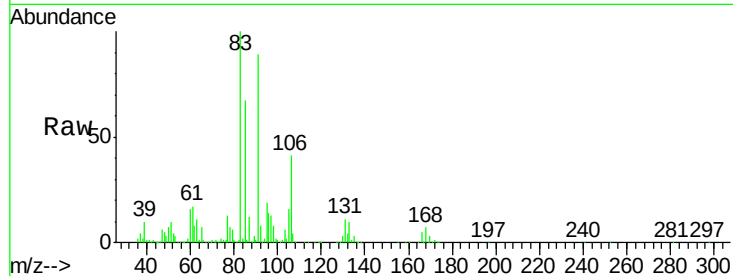
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.081 ppbv
 RT: 13.67 min Scan# 3385
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	3158714
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.0	15.0
85	67.0	32.9	98.6

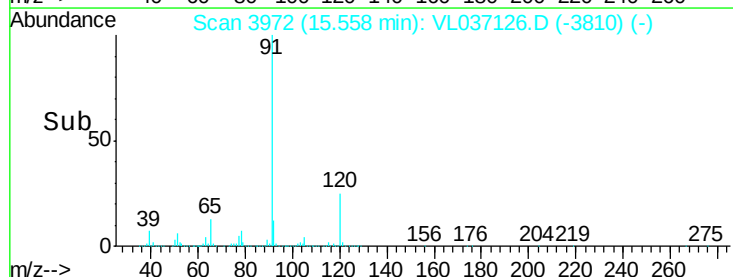
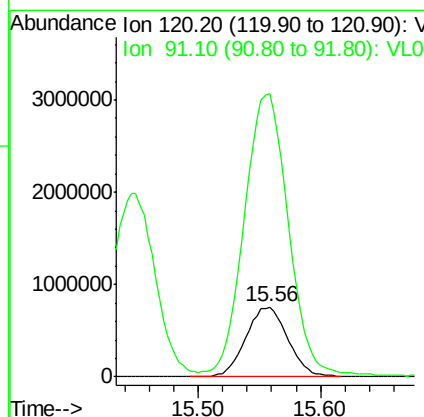
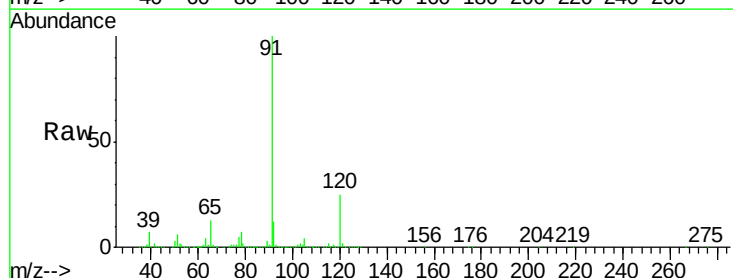
Manual Integrations
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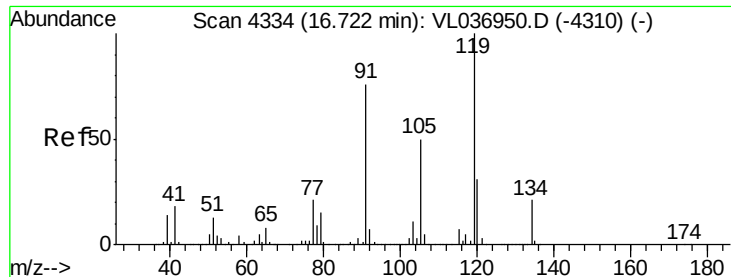
MMDadoda
 6/9/2021 4:22:45 PM



#64
 n-propylbenzene
 Concen: 10.434 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Tgt Ion	120	Resp	1801934
Ion Ratio	Lower	Upper	
120	100		
91	427.5	343.8	515.6





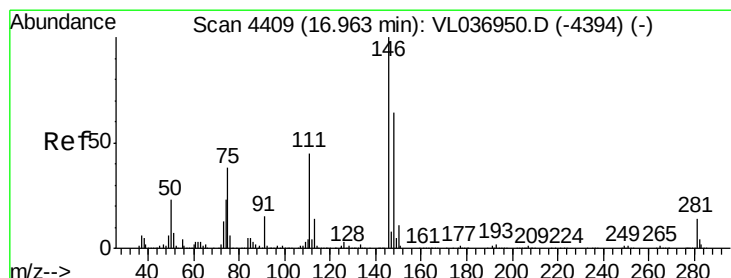
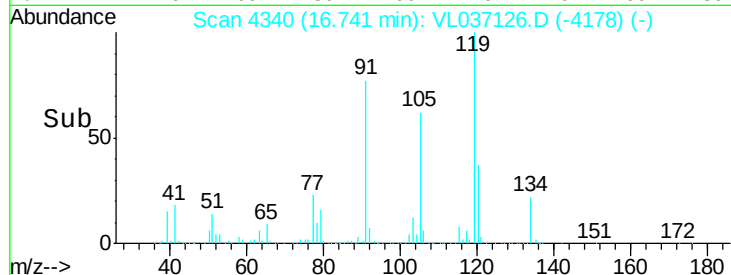
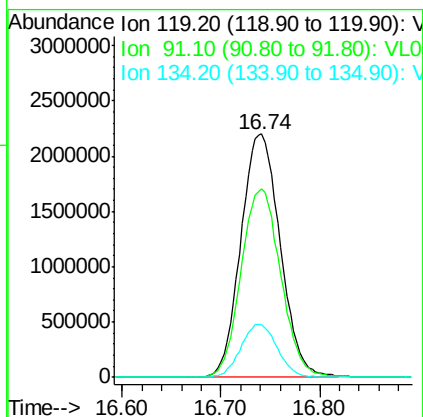
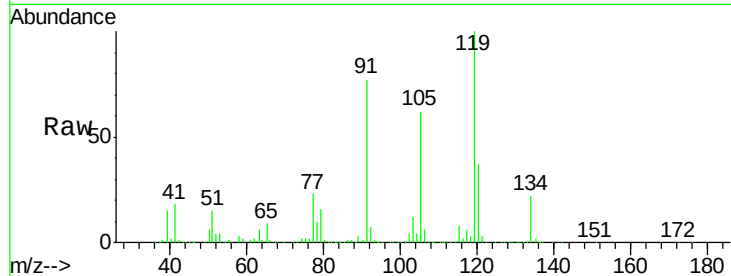
#65
 tert-Butylbenzene
 Concen: 10.027 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:119 Resp: 6056088
 Ion Ratio Lower Upper
 119 100
 91 78.4 61.9 92.9
 134 20.4 16.2 24.4

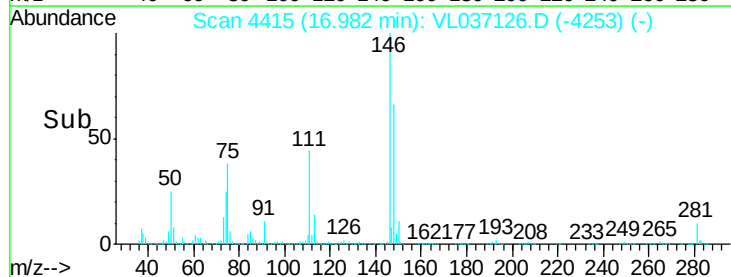
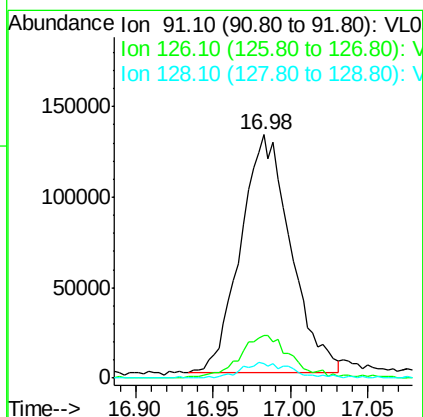
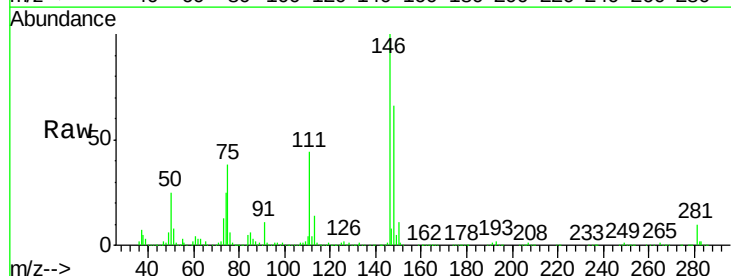
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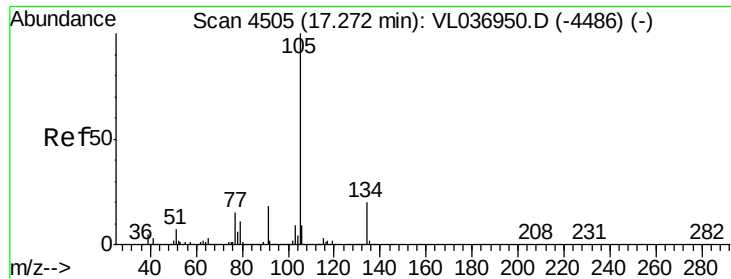
MMDadoda
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#66
 Benzyl Chloride
 Concen: 8.789 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Tgt Ion: 91 Resp: 294554
 Ion Ratio Lower Upper
 91 100
 126 18.5 16.5 24.7
 128 7.0 5.5 8.3





#67

sec-Butylbenzene

Concen: 9.874 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. 0.02 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 8135800

Ion Ratio Lower Upper

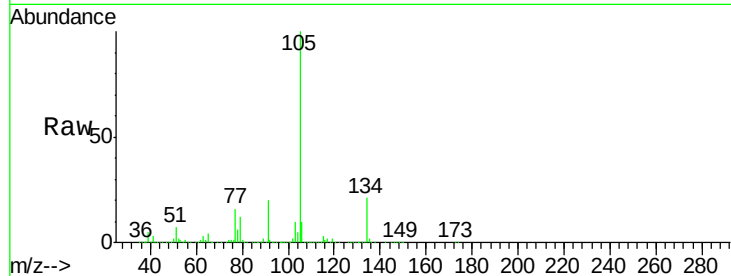
105 100

134 19.9 15.6 23.4

Manual Integrations
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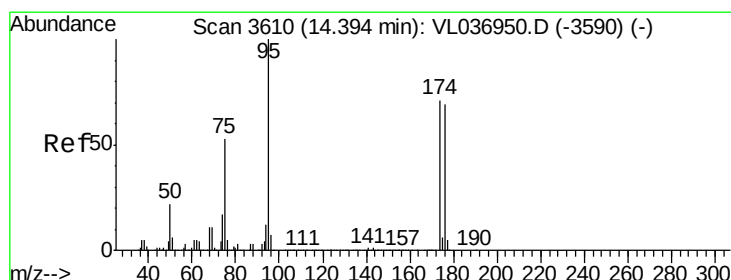
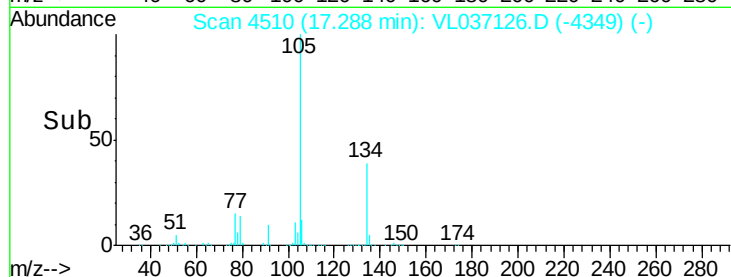
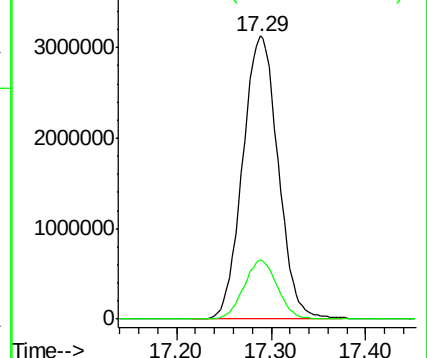
MMDadoda

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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: 10.170 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.02 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

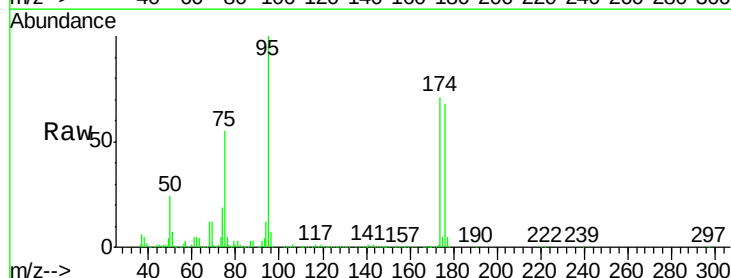
Tgt Ion: 95 Resp: 3197845

Ion Ratio Lower Upper

95 100

174 71.7 58.4 87.6

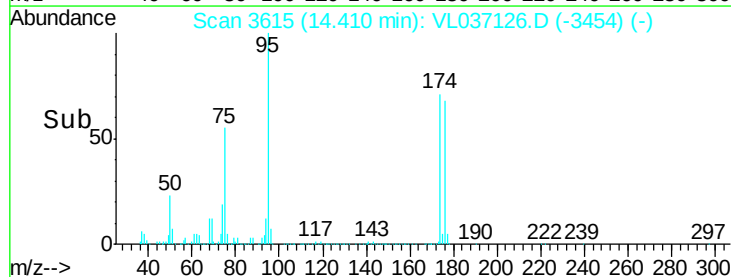
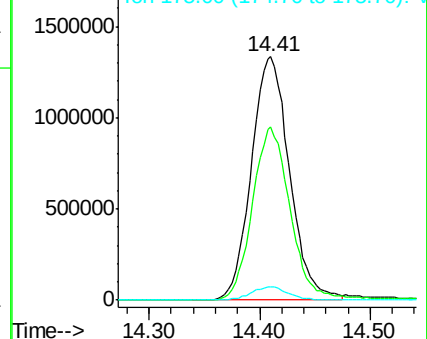
175 5.3 4.4 6.6

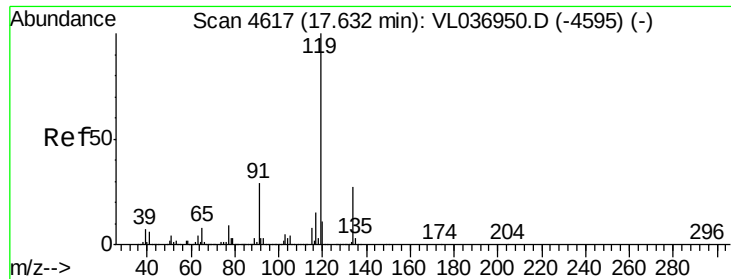


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





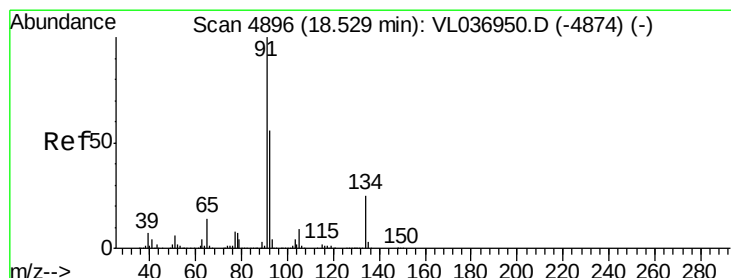
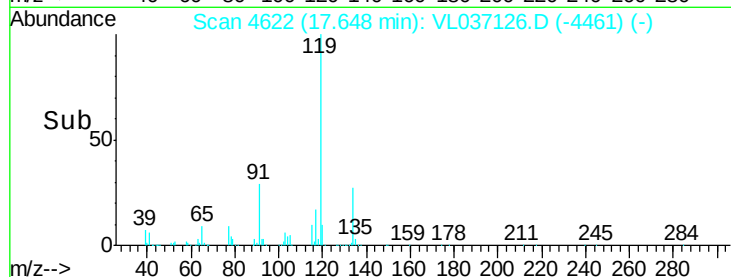
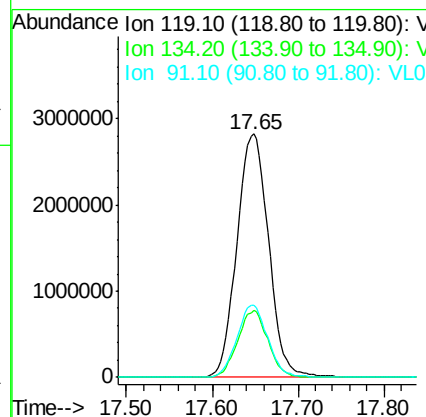
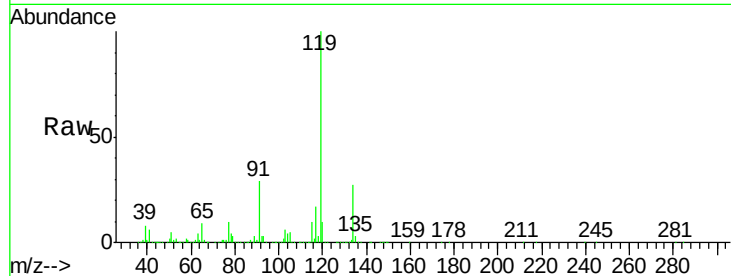
#69
 p-Isopropyltoluene
 Concen: 10.203 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	21.2	31.8
91	28.7	22.2	33.4

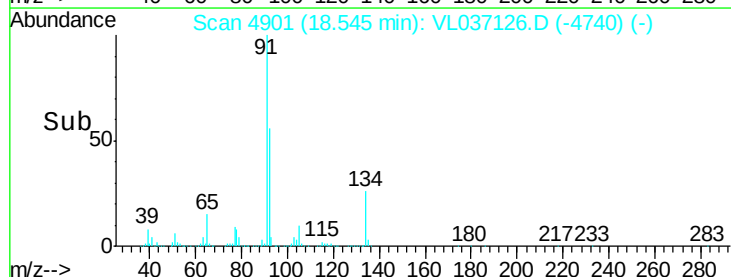
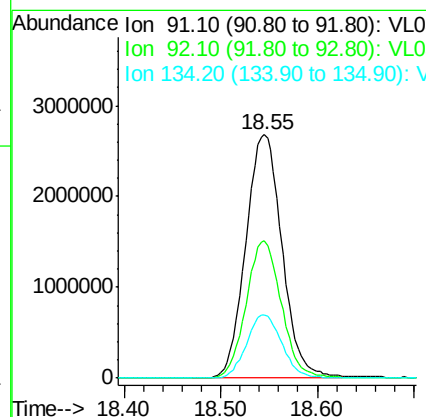
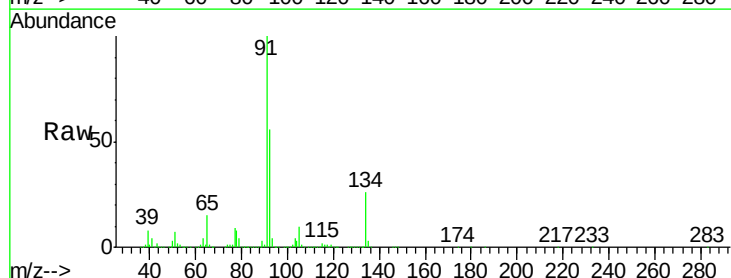
Manual Integrations
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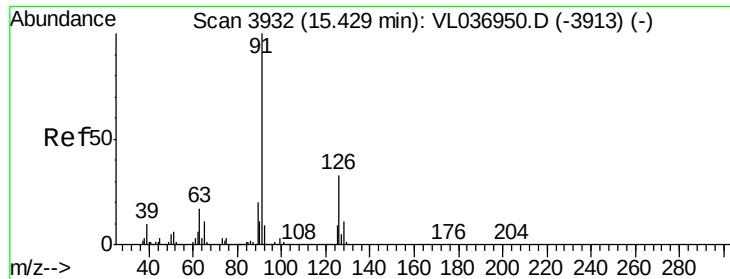
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#70
 n-Butylbenzene
 Concen: 10.389 ppbv
 RT: 18.55 min Scan# 4901
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.6	66.8
134	25.5	20.2	30.2





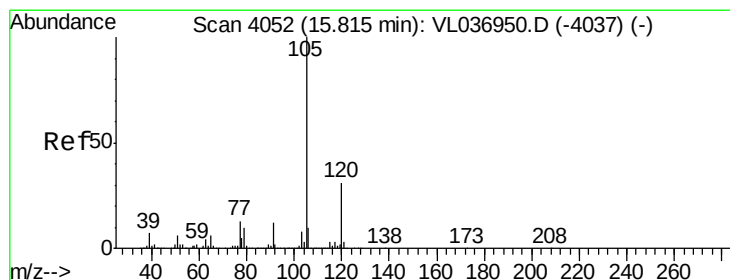
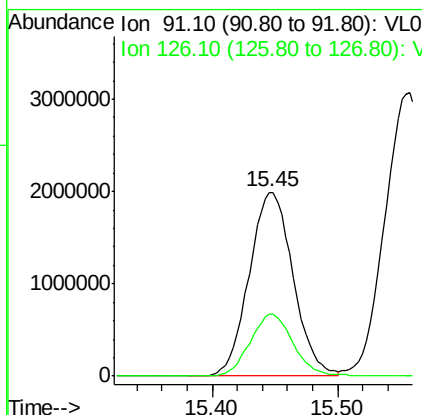
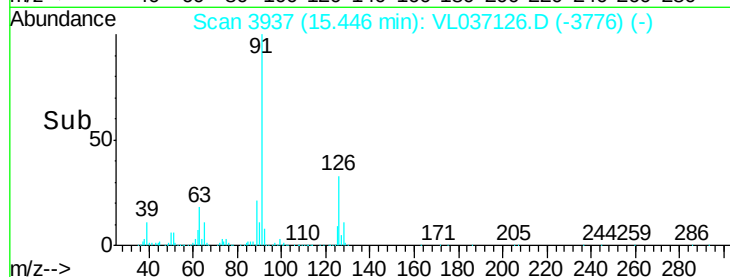
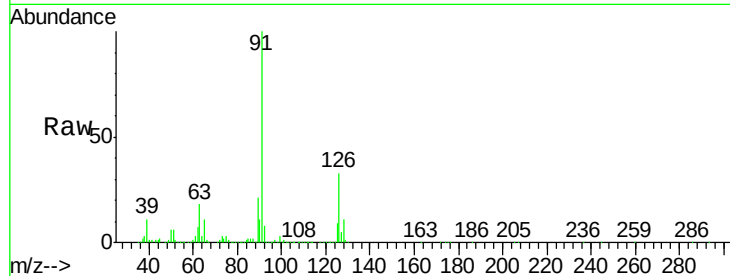
#71
 2-Chlorotoluene
 Concen: 10.012 ppbv
 RT: 15.45 min Scan# 3937
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 4840374
 Ion Ratio Lower Upper
 91 100
 126 33.4 13.1 52.5

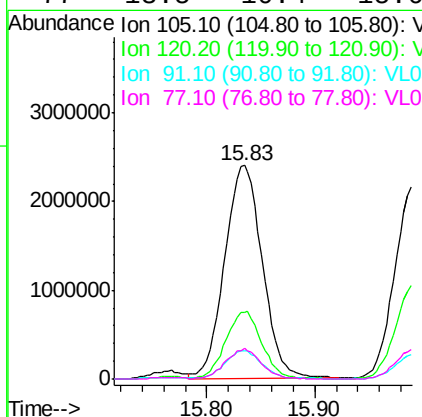
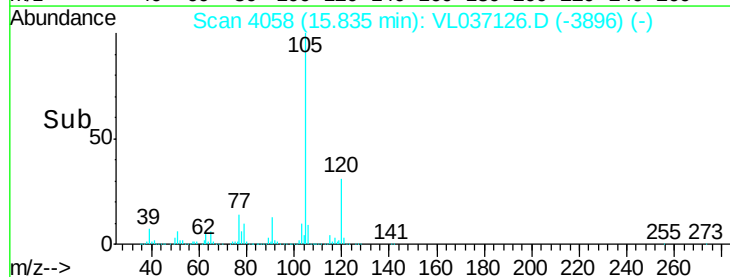
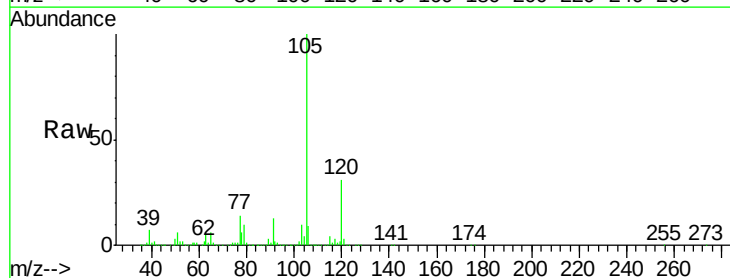
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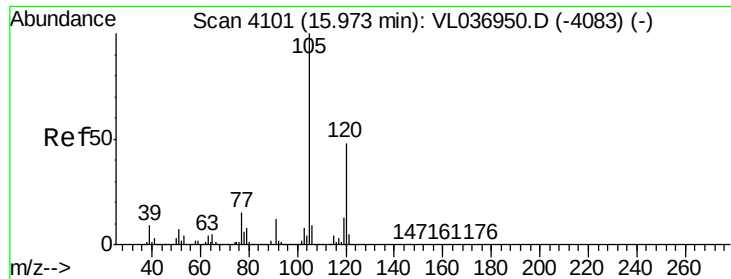
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#72
 4-Ethyltoluene
 Concen: 10.597 ppbv
 RT: 15.83 min Scan# 4058
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Tgt Ion: 105 Resp: 5858039
 Ion Ratio Lower Upper
 105 100
 120 30.7 24.6 37.0
 91 12.8 9.8 14.6
 77 13.5 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 10.250 ppbv

RT: 15.99 min Scan# 4107

Delta R.T. 0.02 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 5320868

Ion Ratio Lower Upper

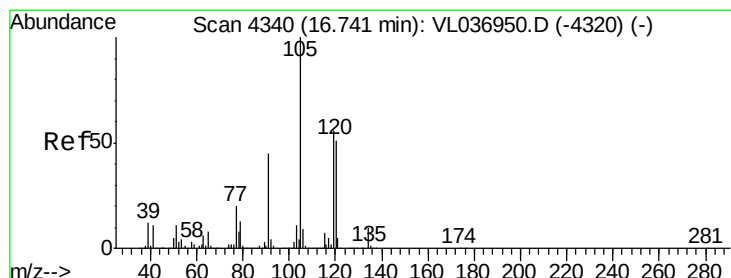
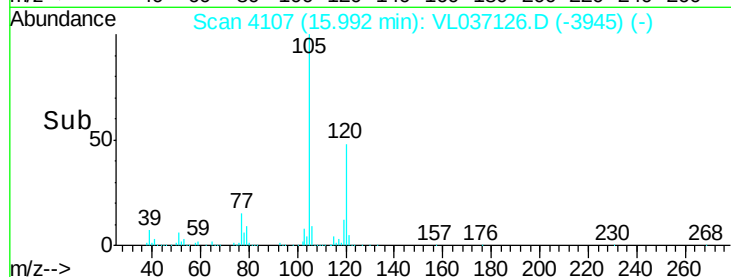
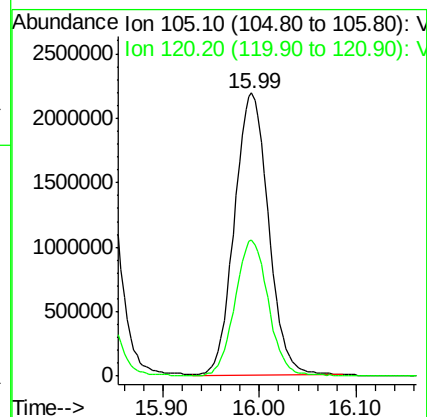
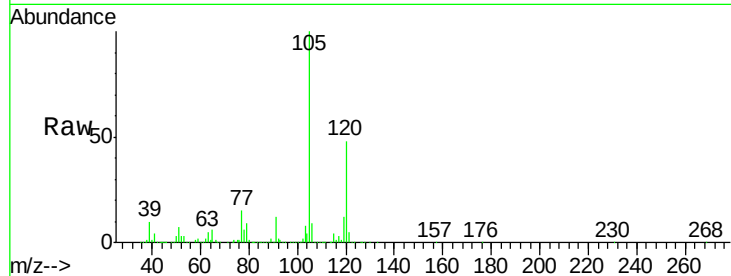
105 100

120 48.4 38.6 58.0

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#74

1,2,4-Trimethylbenzene

Concen: 10.368 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.02 min

Lab File: VL037126.D

Acq: 8 Jun 2021 9:34

Tgt Ion:105 Resp: 5564721

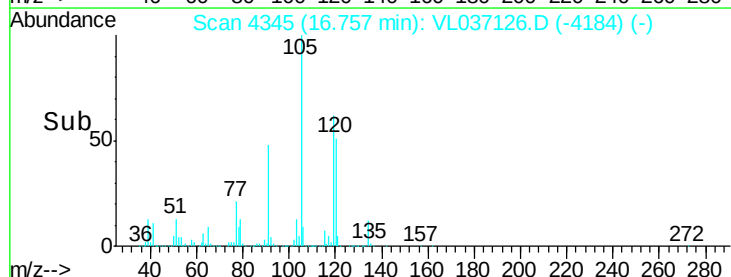
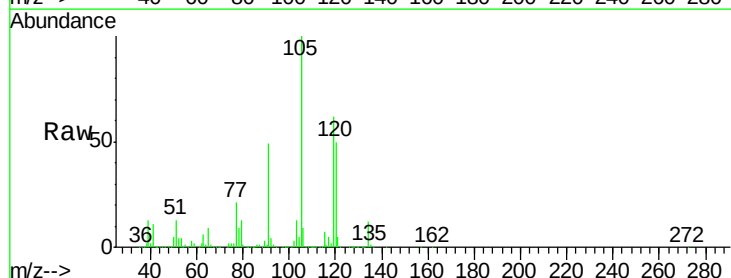
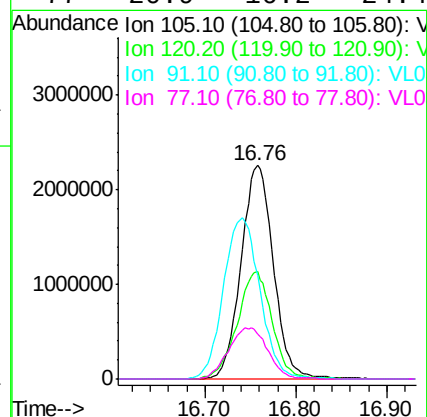
Ion Ratio Lower Upper

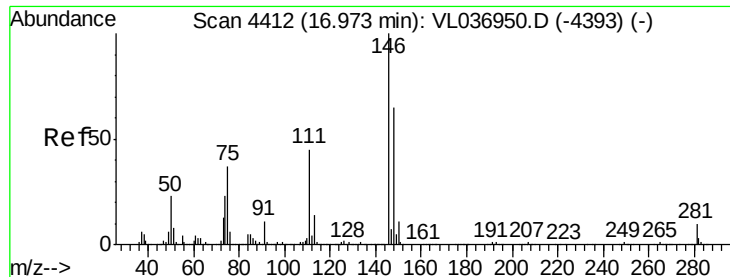
105 100

120 50.4 40.6 61.0

91 48.3 37.4 56.0

77 20.9 16.2 24.4





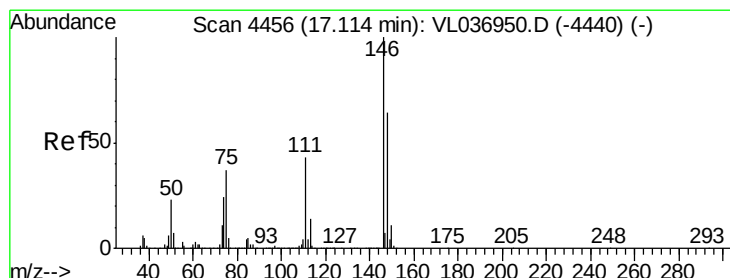
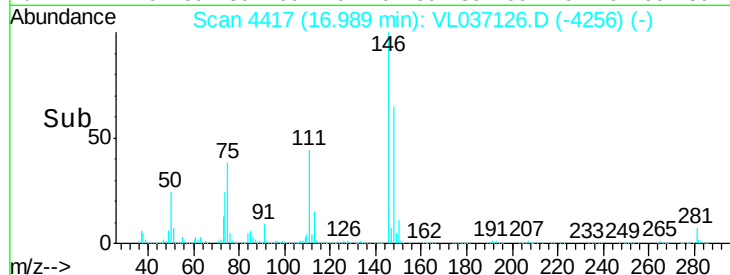
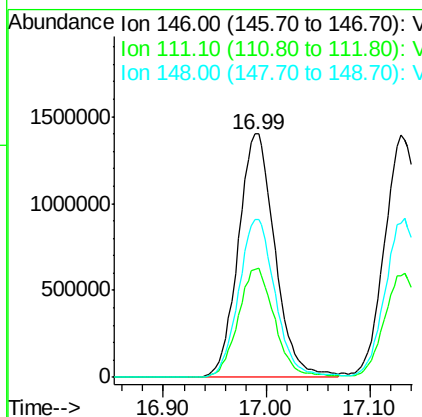
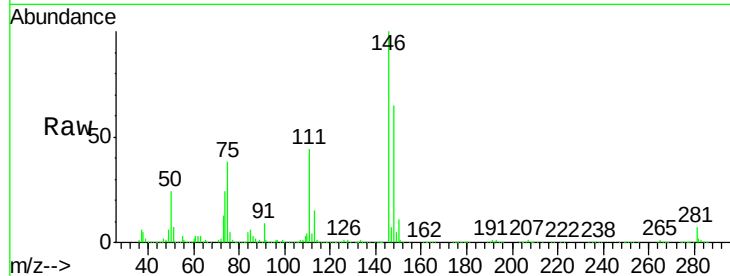
#75
 1,3-Dichlorobenzene
 Concen: 10.568 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 3463877
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.2 66.6
 148 64.8 32.3 96.8

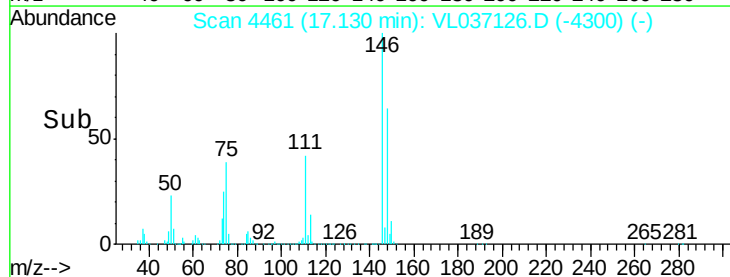
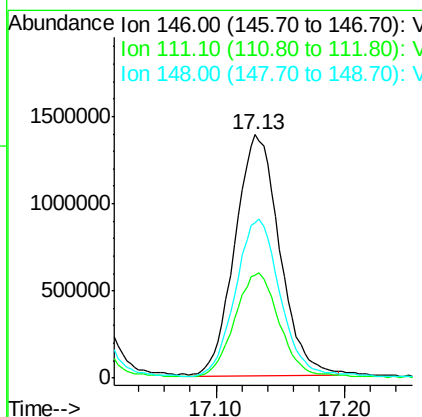
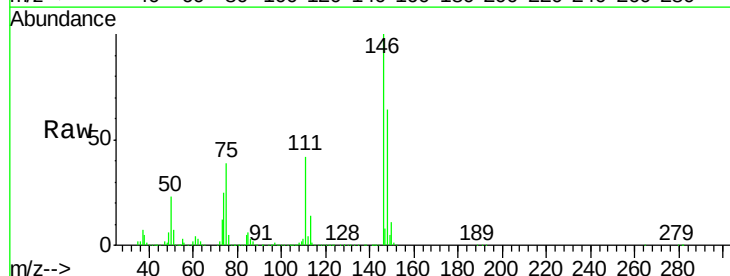
Manual Integrations
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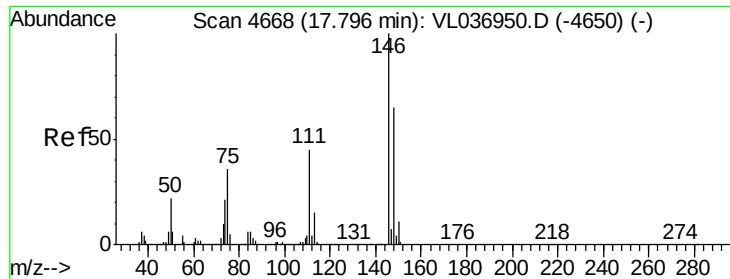
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#76
 1,4-Dichlorobenzene
 Concen: 10.076 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Tgt Ion:146 Resp: 3339056
 Ion Ratio Lower Upper
 146 100
 111 44.7 22.6 67.7
 148 67.0 33.5 100.5





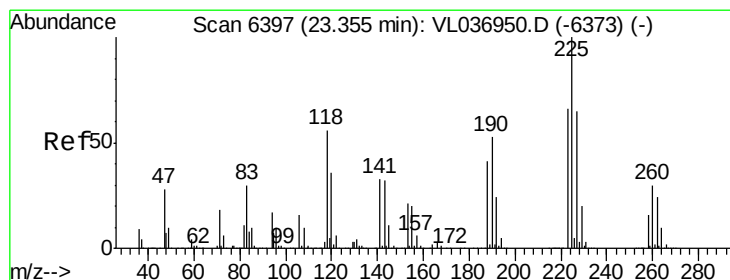
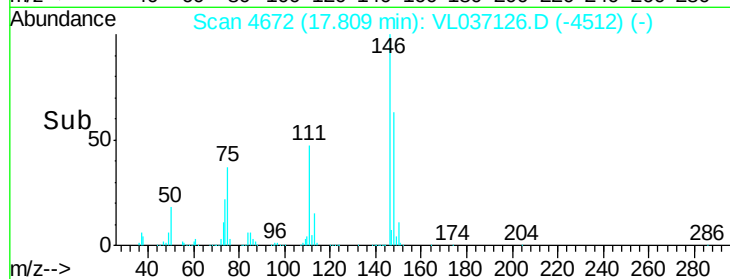
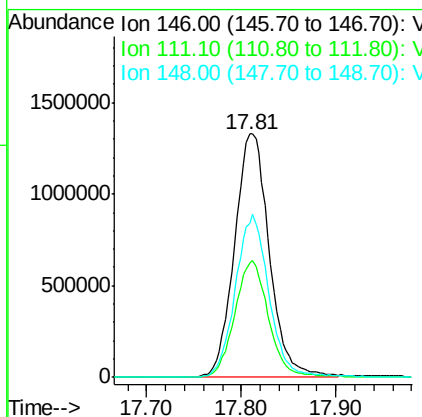
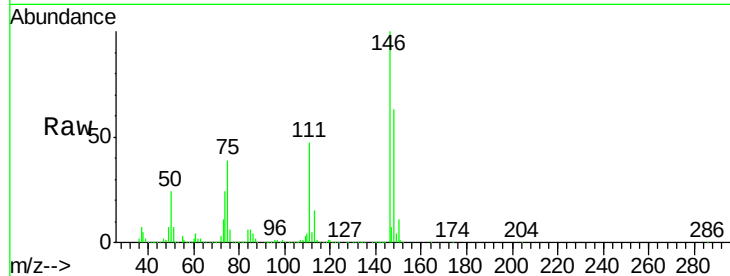
#77
 1,2-Dichlorobenzene
 Concen: 10.286 ppbv
 RT: 17.81 min Scan# 4672
 Delta R.T. 0.01 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 3378028
 Ion Ratio Lower Upper
 146 100
 111 46.6 23.1 69.2
 148 64.9 32.5 97.4

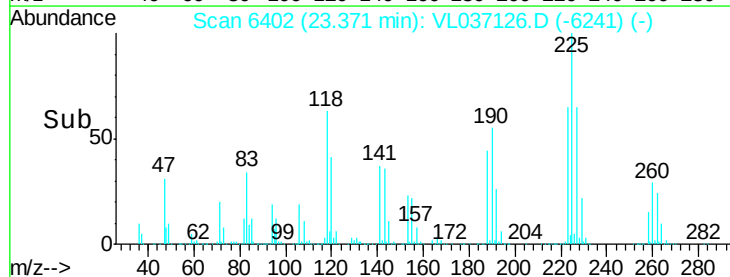
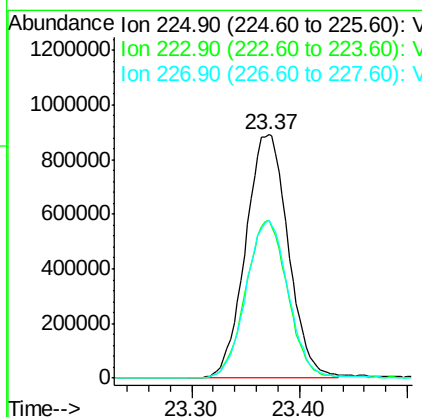
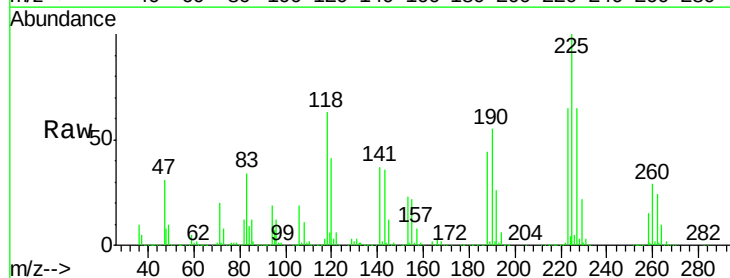
Manual Integrations
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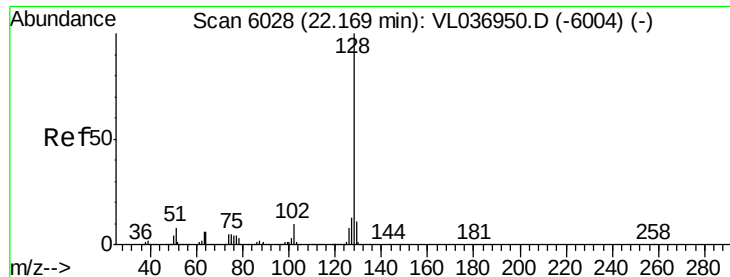
MMDadoda
 6/9/2021 4:22:45 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.258 ppbv
 RT: 23.37 min Scan# 6402
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Tgt Ion:225 Resp: 2444904
 Ion Ratio Lower Upper
 225 100
 223 64.2 51.9 77.9
 227 64.7 51.8 77.6





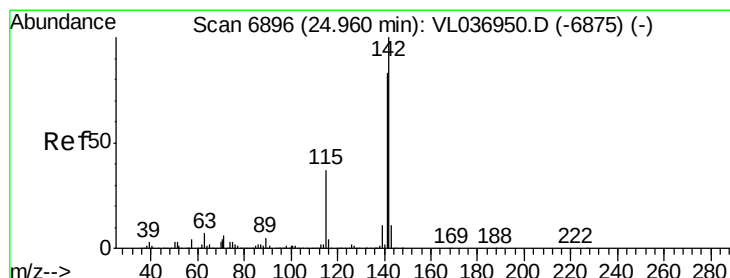
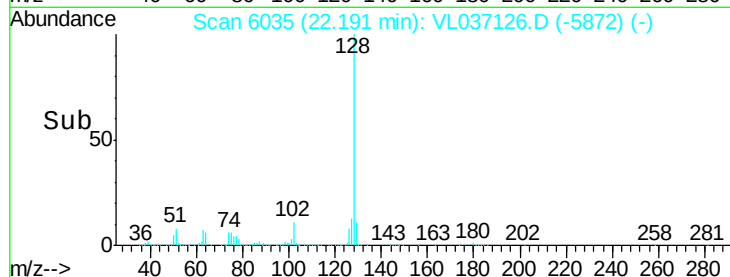
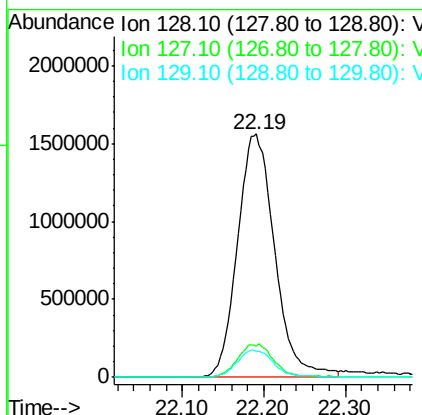
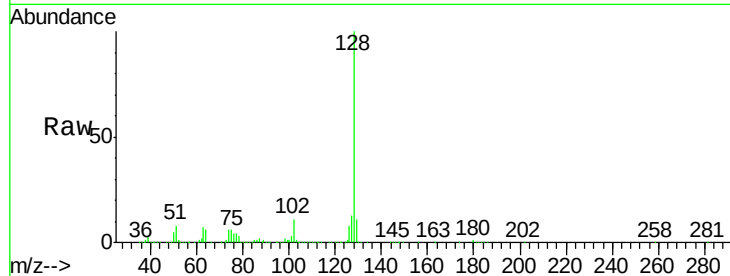
#79
Naphthalene
Concen: 11.710 ppbv
RT: 22.19 min Scan# 6035
Delta R.T. 0.02 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:128 Resp: 4931460
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.7 9.0 13.6

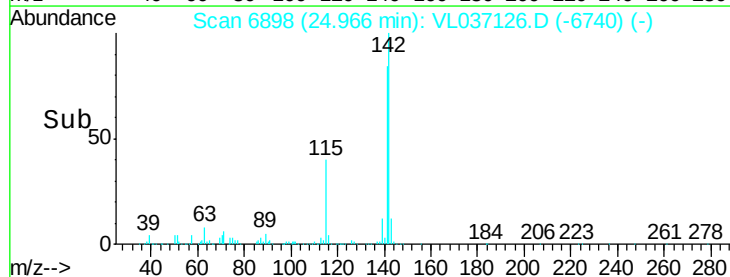
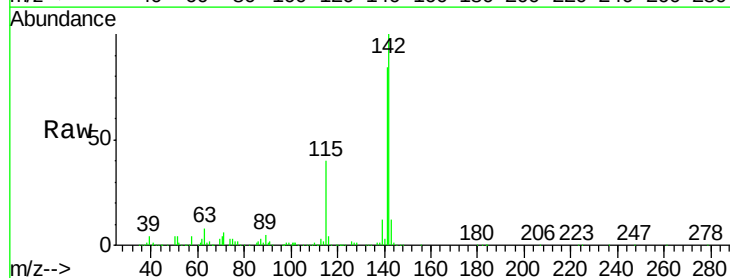
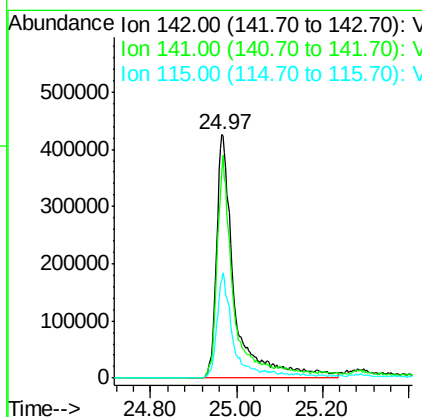
Manual Integrations
APPROVED

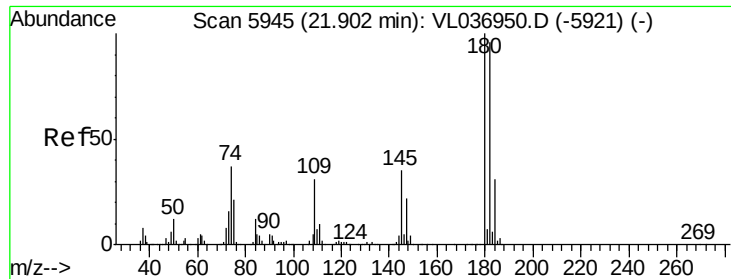
MMDadoda
6/9/2021 4:22:45 PM



#80
Naphthalene, 2-methyl-
Concen: 13.847 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. 0.01 min
Lab File: VL037126.D
Acq: 8 Jun 2021 9:34

Tgt Ion:142 Resp: 1268080
Ion Ratio Lower Upper
142 100
141 77.5 69.3 103.9
115 38.1 29.1 43.7





#81
 1,2,4-Trichlorobenzene
 Concen: 10.822 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.02 min
 Lab File: VL037126.D
 Acq: 8 Jun 2021 9:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.8	81.7	122.5
184	31.9	24.9	37.3

Manual Integrations
 APPROVED

MMDadoda
 6/9/2021 4:22:45 PM

