

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
 Data File : VL036625.D
 Acq On : 1 Apr 2021 6:55
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:54:55 PM

Quant Time: Apr 01 08:55:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1518799	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3753139	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.11	117	3542739m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2839302	10.06	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	2379492	9.606 ppbv	98
3) Chlorodifluoromethane	3.00	51	2667662	9.401 ppbv	99
4) Chloromethane	3.15	50	921395	9.193 ppbv	99
5) Vinyl Chloride	3.27	62	914833	8.877 ppbv	100
6) Bromomethane	3.48	94	483184	8.515 ppbv	99
7) Chloroethane	3.56	64	301895	8.525 ppbv	95
8) Dichlorotetrafluoroethane	3.20	85	2151044	9.098 ppbv	98
9) Propene	3.02	41	897060	9.916 ppbv	97
10) Heptane	8.14	43	2285039	9.915 ppbv	99
11) Trichlorofluoromethane	3.96	101	2162802	8.567 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1458619	9.037 ppbv	98
13) Ethanol	3.62	45	76227	7.076 ppbv	98
14) Bromoethene	3.75	108	621698	9.265 ppbv	98
15) Acetone	3.86	43	1232081	8.242 ppbv	100
16) 1,3-Butadiene	3.33	39	923116	8.870 ppbv	95
17) tert-Butyl alcohol	4.31	59	1098840	8.444 ppbv	97
18) 1,1-Dichloroethene	4.30	96	620630	8.644 ppbv	98
19) Isopropyl Alcohol	3.98	45	607228	7.384 ppbv	98
20) Methylene Chloride	4.35	84	547507	7.823 ppbv	97
21) Allyl Chloride	4.42	41	1084168	9.098 ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	585917	8.803 ppbv	85
23) Vinyl Acetate	5.09	43	2554765	9.991 ppbv	99
24) 1,1-Dichloroethane	5.02	63	1739181	9.331 ppbv	99
25) Ethyl Acetate	5.69	43	3443559	9.689 ppbv	99
26) Hexane	5.70	57	1624832	9.852 ppbv	99
27) Carbon Disulfide	4.56	76	1561889	9.614 ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1904814	9.794 ppbv	99
29) Chloroform	5.76	83	2565989	9.729 ppbv	95
30) Cyclohexane	7.15	84	1315956	9.839 ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	1608838	10.086 ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	2566513	9.655 ppbv	99
34) 2-Butanone	5.26	43	1732925	9.459 ppbv	98
35) Carbon Tetrachloride	7.03	117	2698983	9.363 ppbv	99
36) Benzene	6.91	78	3369755	9.735 ppbv	99
37) 1,2-Dichloroethane	6.32	62	1955837	9.600 ppbv	100
38) Trichloroethene	7.85	130	1196042	8.879 ppbv	98
39) 1,2-Dichloropropane	7.63	63	1333663	9.498 ppbv	100
40) 1,4-Dioxane	7.86	88	254213	7.779 ppbv	# 1
41) Tetrahydrofuran	6.07	42	818745	9.693 ppbv	98
42) Bromodichloromethane	7.81	83	2803995	10.119 ppbv	98
43) Methyl Methacrylate	8.03	69	1231415	10.594 ppbv	96

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Manual Integrations
 APPROVED

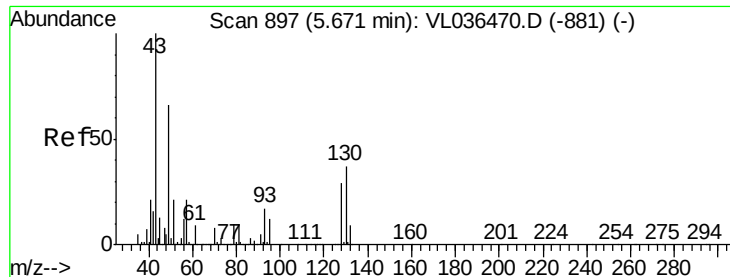
MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.89	57	5645051	9.266	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1360978	10.254	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1696265	9.998	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1332598	9.370	ppbv	97
48) Dibromochloromethane	10.32	129	2168761	10.003	ppbv	99
49) Bromoform	13.06	173	1690588	9.678	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2668526	10.067	ppbv	100
51) 2-Hexanone	10.16	43	1470243	10.991	ppbv #	99
52) Tetrachloroethene	11.24	164	1090266	8.554	ppbv	98
53) Toluene	9.83	91	3677702	9.977	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1889720	9.409	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1447639	9.034	ppbv	99
57) Chlorobenzene	12.17	112	2599993	8.625	ppbv	99
58) Ethyl Benzene	12.73	91	4821579	9.355	ppbv	99
59) m/p-Xylene	13.02	91	8091329m	17.998	ppbv	
60) o-Xylene	13.72	91	3800986	8.744	ppbv	100
61) Styrene	13.55	104	2258787	10.329	ppbv	99
62) Isopropylbenzene	14.69	105	5128418	8.761	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2692419	8.120	ppbv	99
64) n-propylbenzene	15.58	120	1313141	9.175	ppbv	96
65) tert-Butylbenzene	16.77	119	4375840	8.621	ppbv	99
66) Benzyl Chloride	17.01	91	603602	10.758	ppbv	98
67) sec-Butylbenzene	17.31	105	6155774	8.592	ppbv	100
69) p-Isopropyltoluene	17.67	119	5077474	9.075	ppbv	100
70) n-Butylbenzene	18.57	91	5345131	9.214	ppbv	99
71) 2-Chlorotoluene	15.47	91	3911036	8.916	ppbv	99
72) 4-Ethyltoluene	15.86	105	4336057	9.103	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3980499	8.954	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	4057796	8.529	ppbv	96
75) 1,3-Dichlorobenzene	17.02	146	2220162	8.291	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2178468	8.194	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2173690	8.636	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	1838218	8.154	ppbv	98
79) Naphthalene	22.22	128	3297729	11.879	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	267965	4.895	ppbv	98
81) 1,2,4-Trichlorobenzene	21.95	180	1781773	10.396	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL036625.D

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VSTDCCC010

Tot Ion: 49 Resp: 1518799

Ion Ratio Lower Upper

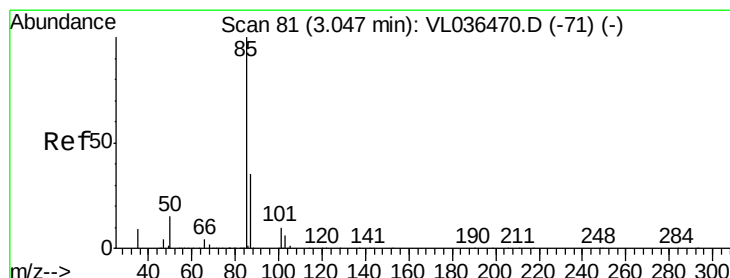
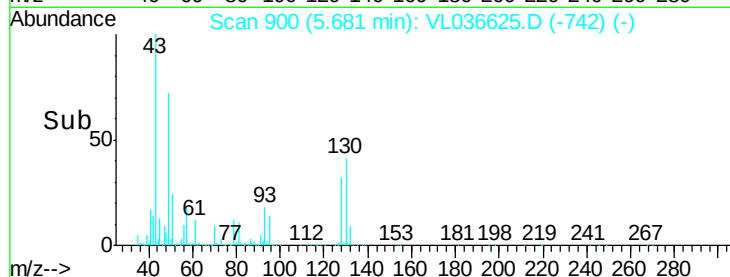
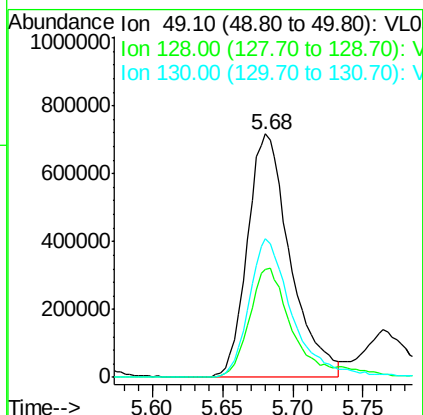
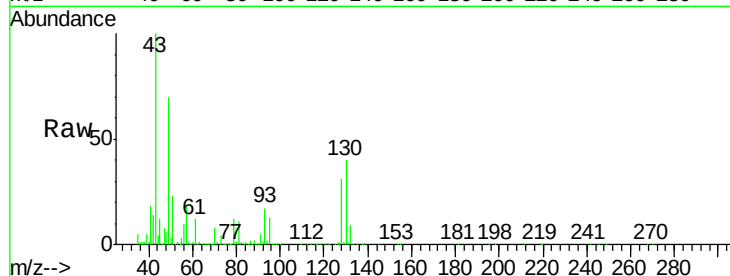
49 100

128 47.3 23.5 70.6

130 58.4 29.1 87.4

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 9.606 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL036625.D

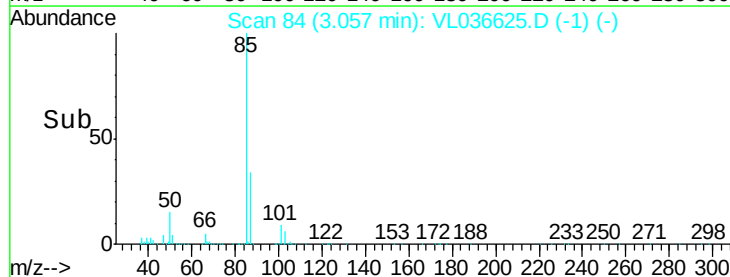
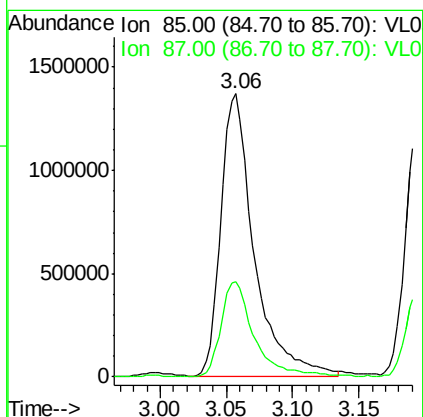
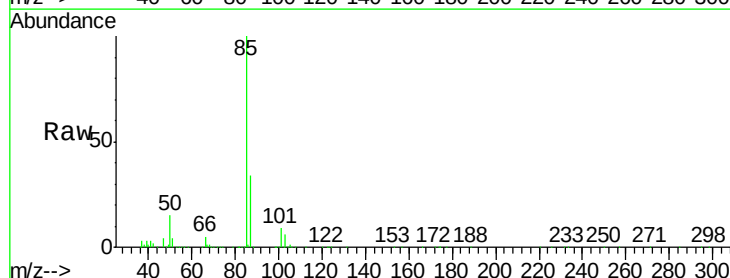
Acq: 1 Apr 2021 6:55

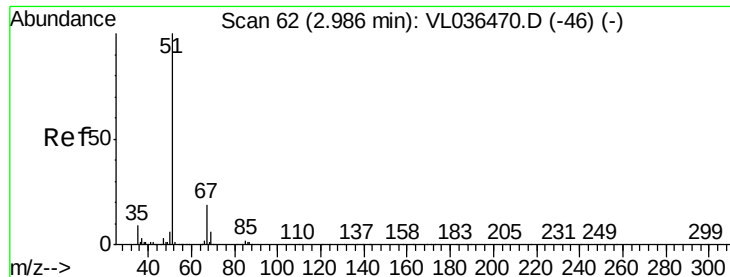
Tgt Ion: 85 Resp: 2379492

Ion Ratio Lower Upper

85 100

87 33.7 27.8 41.8





#3

Chlorodifluoromethane

Concen: 9.401 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Tot Ion: 51 Resp: 2667662

Ion Ratio Lower Upper

51 100

67 18.7 14.7 22.1

Instrument :

MSVOA_L

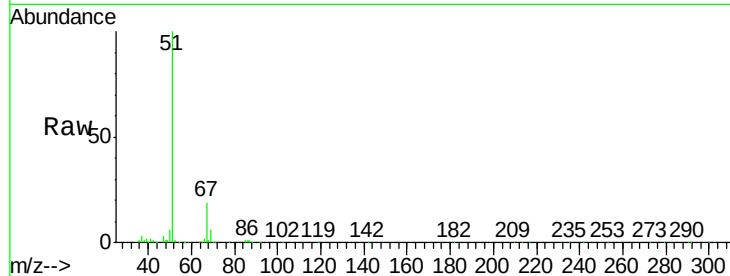
ClientSampleId :

VSTDCCC010

Manual Integrations
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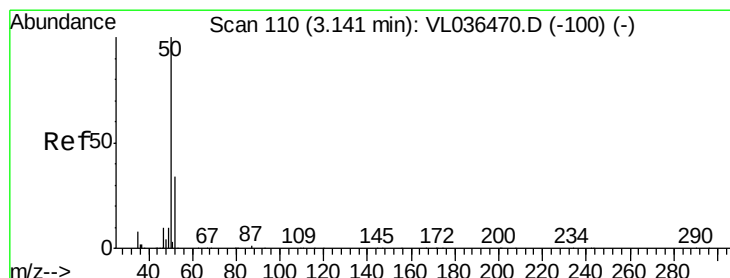
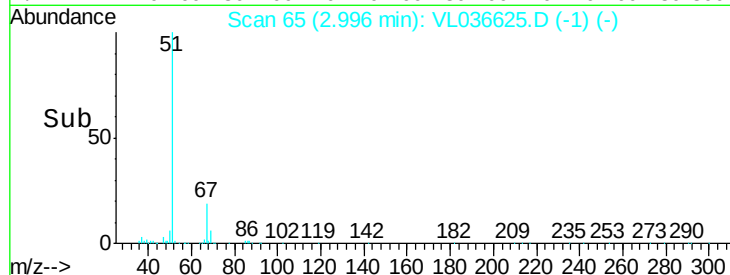
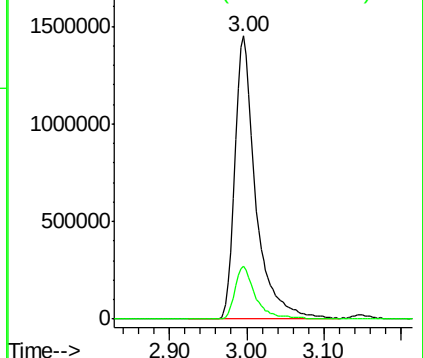
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4/2/2021 6:54:55 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.193 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL036625.D

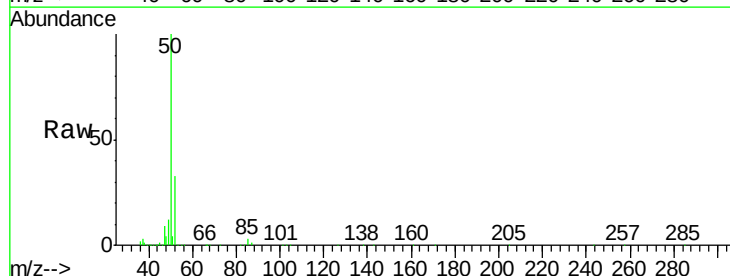
Acq: 1 Apr 2021 6:55

Tgt Ion: 50 Resp: 921395

Ion Ratio Lower Upper

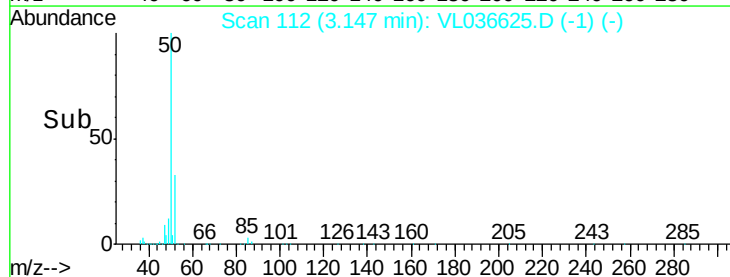
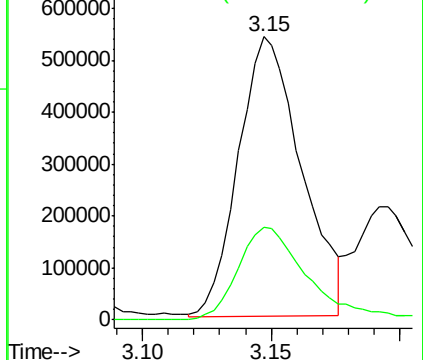
50 100

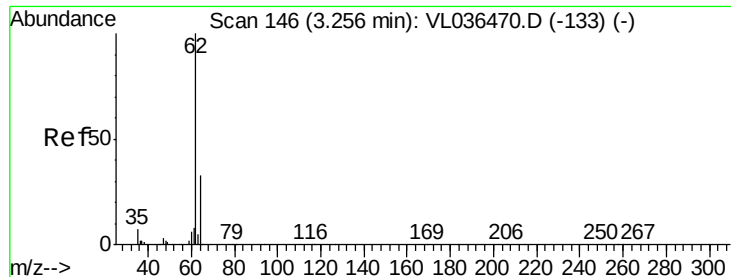
52 33.1 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.877 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 914833

Ion Ratio Lower Upper

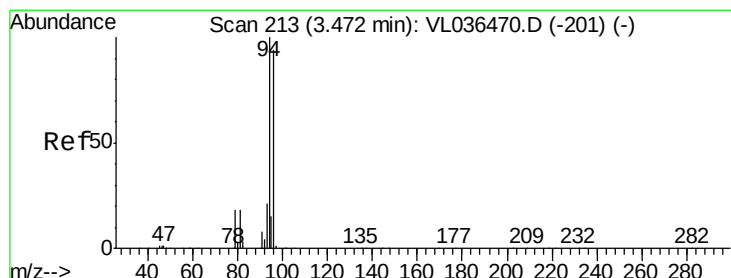
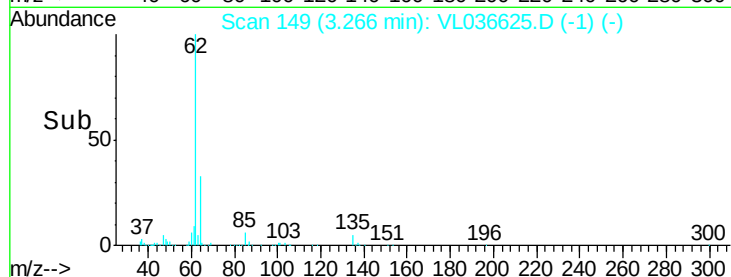
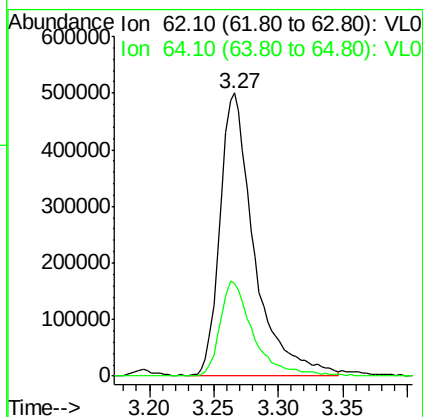
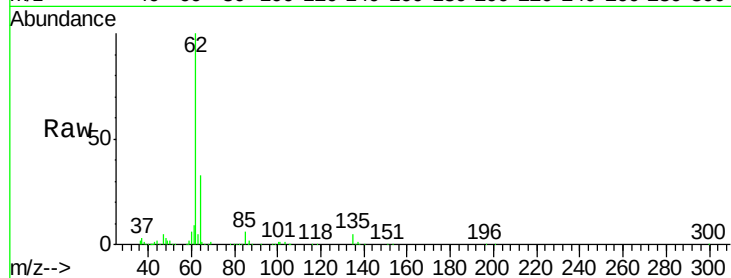
62 100

64 33.0 26.4 39.6

Manual Integrations
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4/2/2021 6:54:55 PM



#6

Bromomethane

Concen: 8.515 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036625.D

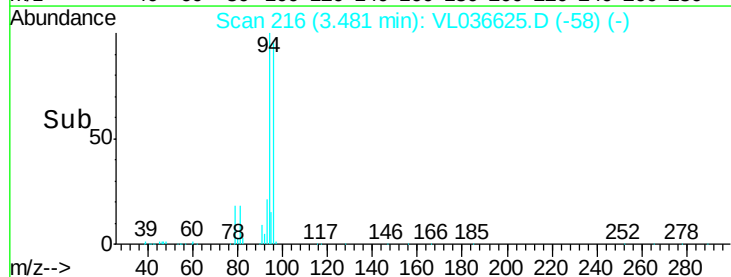
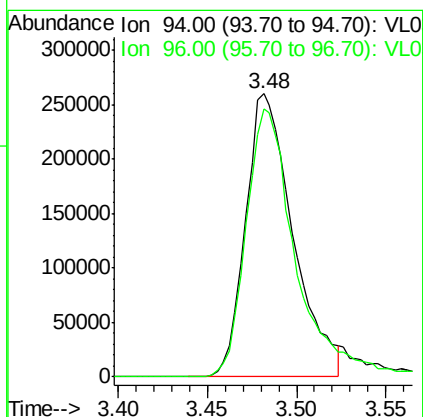
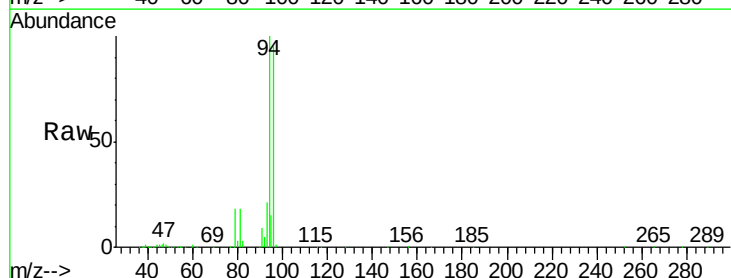
Acq: 1 Apr 2021 6:55

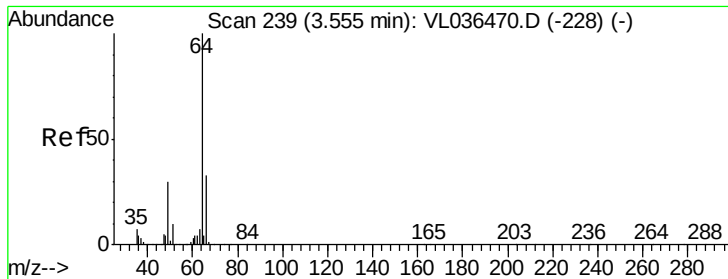
Tgt Ion: 94 Resp: 483184

Ion Ratio Lower Upper

94 100

96 94.7 74.9 112.3





#7

Chloroethane

Concen: 8.525 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 301895

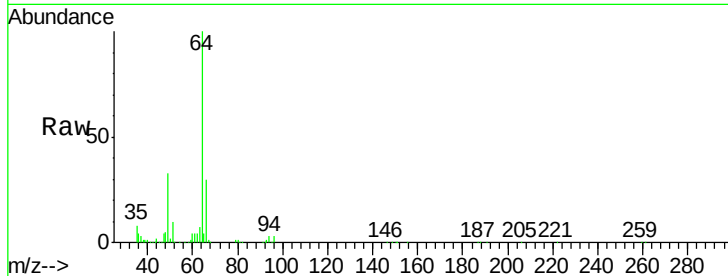
Ion Ratio Lower Upper

64 100

66 29.8 26.2 39.2

Manual Integrations
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4/2/2021 6:54:55 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

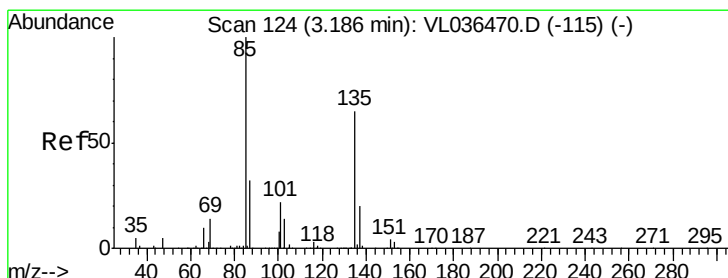
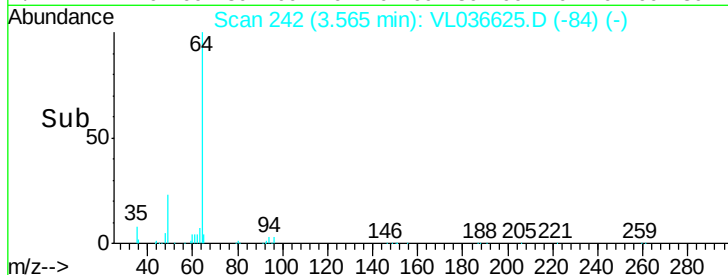
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.098 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036625.D

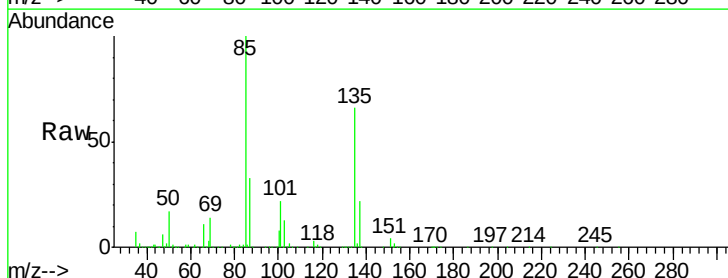
Acq: 1 Apr 2021 6:55

Tgt Ion: 85 Resp: 2151044

Ion Ratio Lower Upper

85 100

135 69.5 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

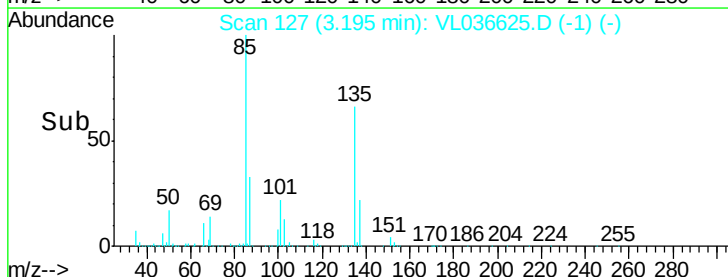
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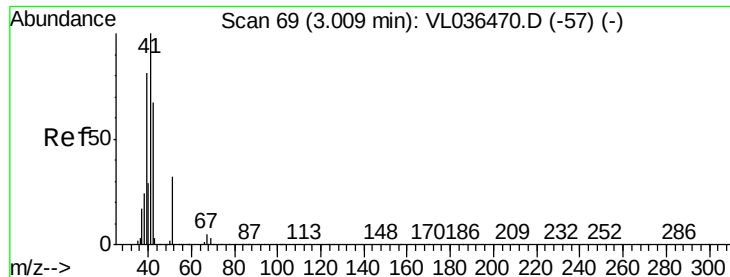
1000000

500000

0

Time-->





#9

Propene

Concen: 9.916 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 41 Resp: 897060

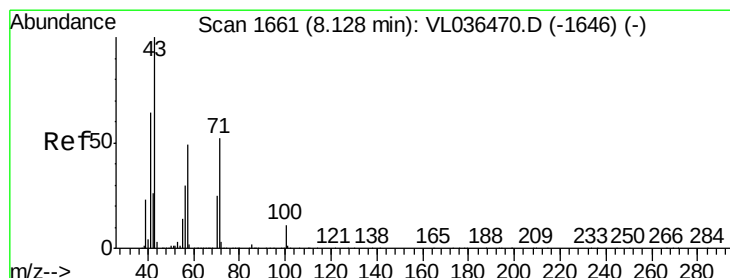
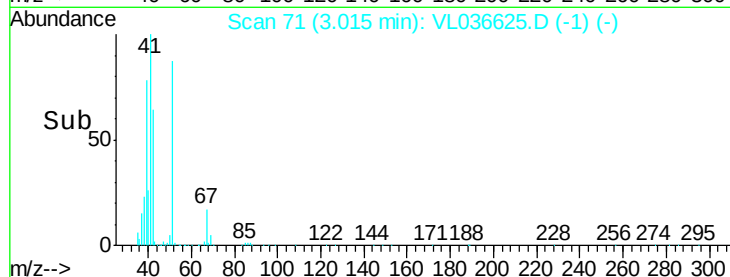
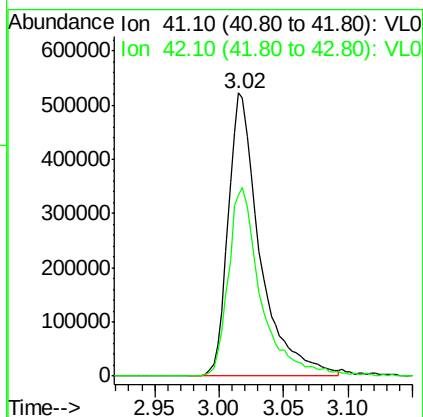
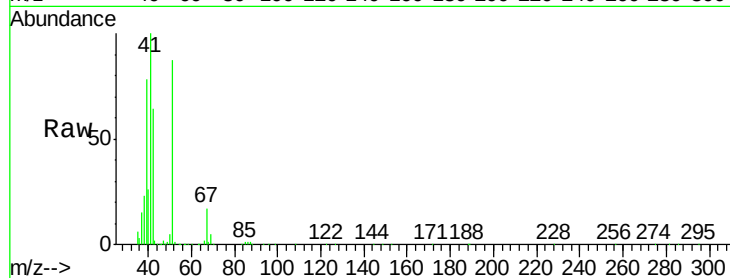
Ion Ratio Lower Upper

41 100

42 68.6 57.0 85.4

Manual Integrations
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4/2/2021 6:54:55 PM



#10

Heptane

Concen: 9.915 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VL036625.D

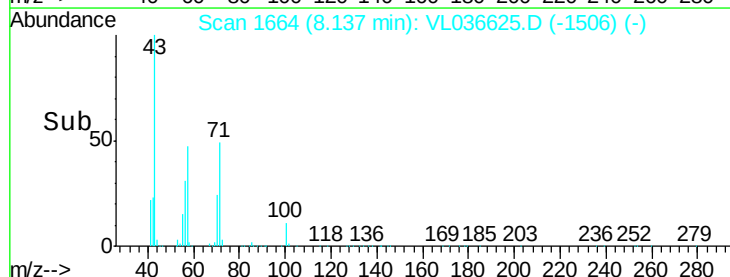
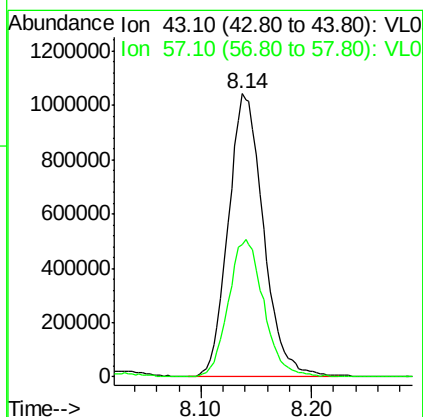
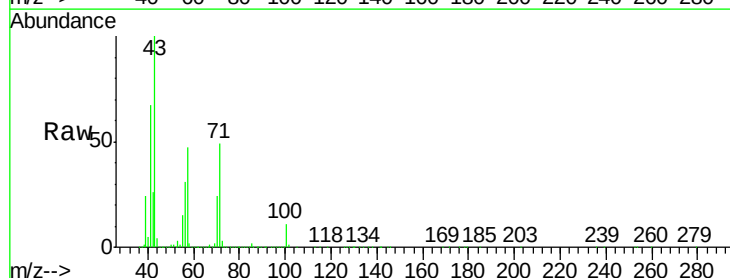
Acq: 1 Apr 2021 6:55

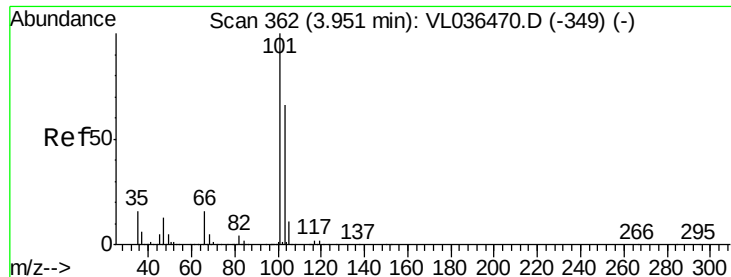
Tgt Ion: 43 Resp: 2285039

Ion Ratio Lower Upper

43 100

57 49.3 39.0 58.6





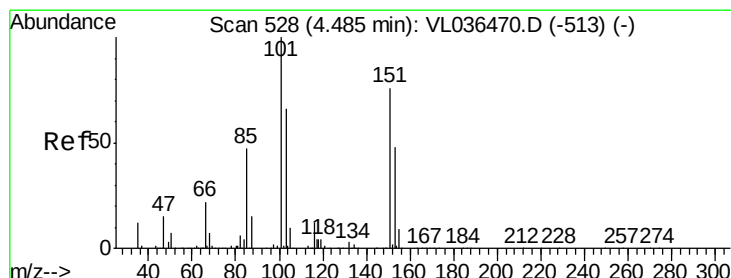
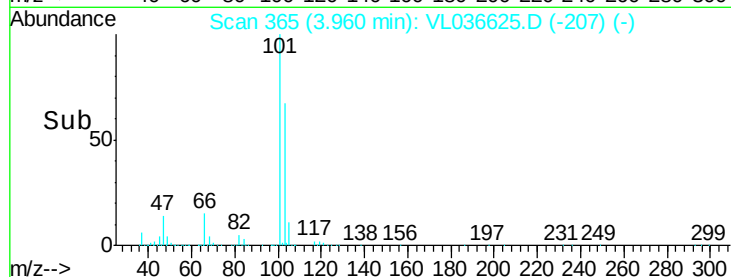
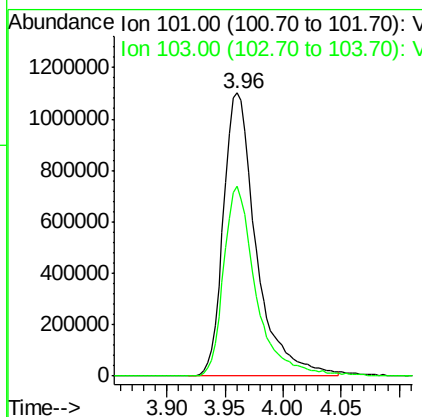
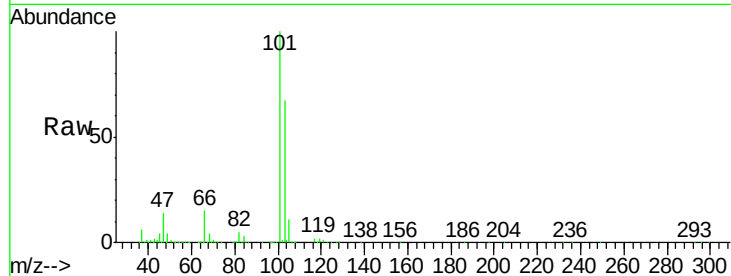
#11
 Trichlorofluoromethane
 Concen: 8.567 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2162802
 Ion Ratio Lower Upper
 101 100
 103 66.9 52.5 78.7

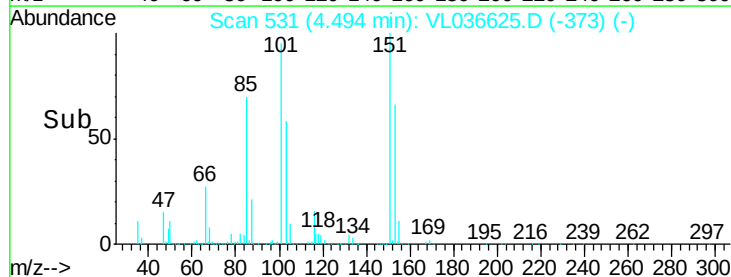
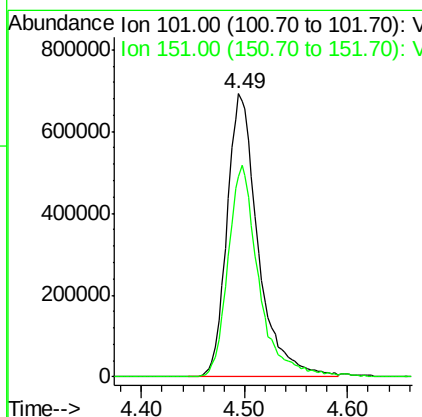
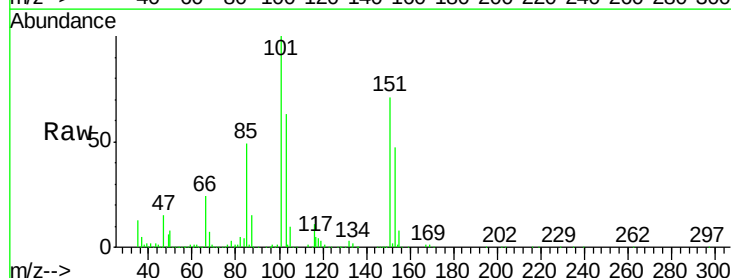
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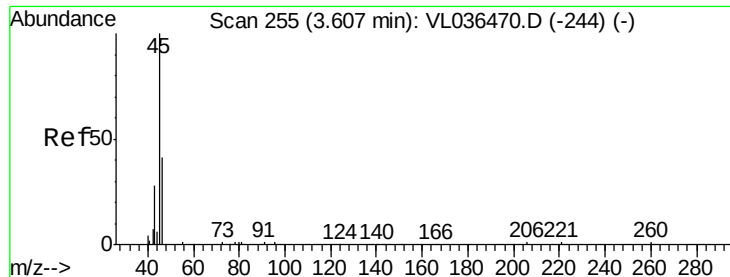
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.037 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Tgt Ion:101 Resp: 1458619
 Ion Ratio Lower Upper
 101 100
 151 74.2 60.9 91.3





#13

Ethanol

Concen: 7.076 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 76227

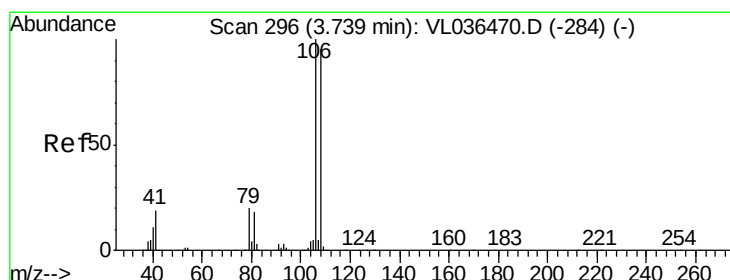
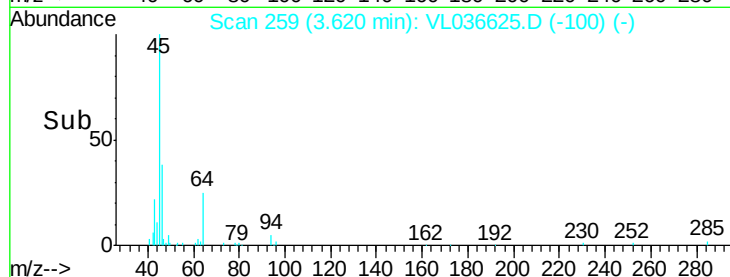
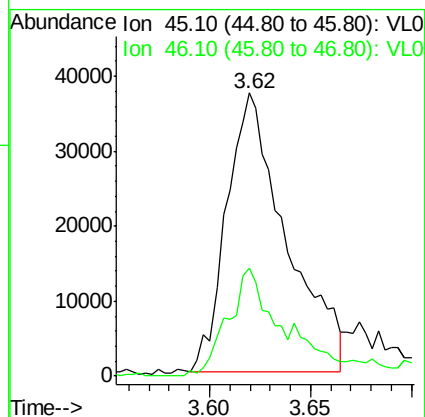
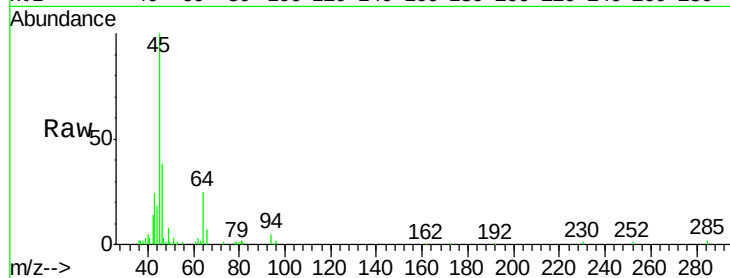
Ion Ratio Lower Upper

45 100

46 42.6 16.6 66.2

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#14

Bromoethene

Concen: 9.265 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

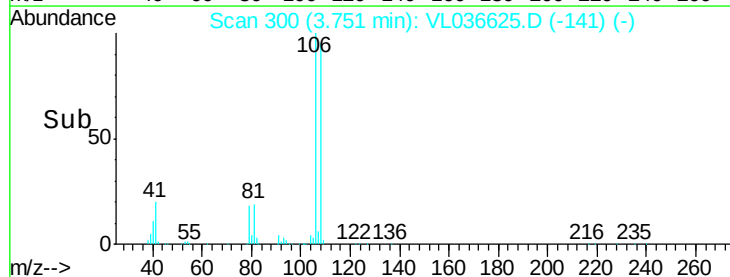
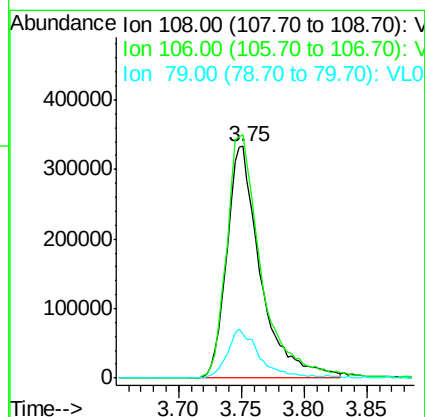
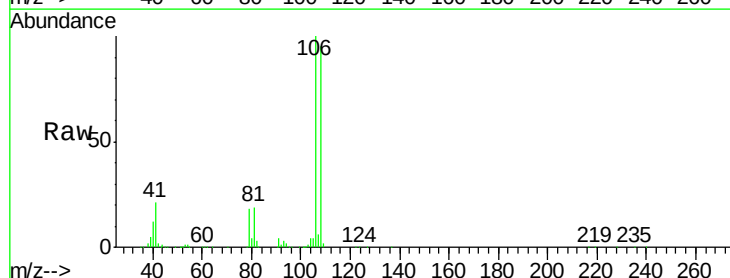
Tgt Ion: 108 Resp: 621698

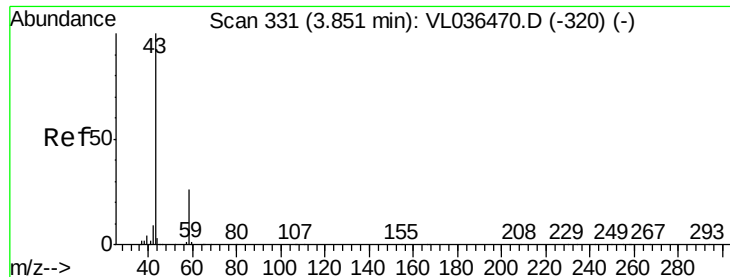
Ion Ratio Lower Upper

108 100

106 109.4 89.0 133.6

79 21.1 16.6 25.0





#15

Acetone

Concen: 8.242 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1232081

Ion Ratio Lower Upper

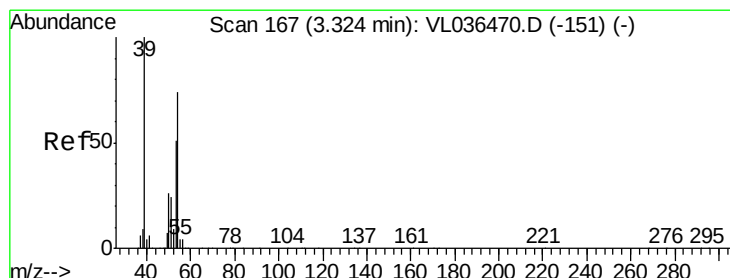
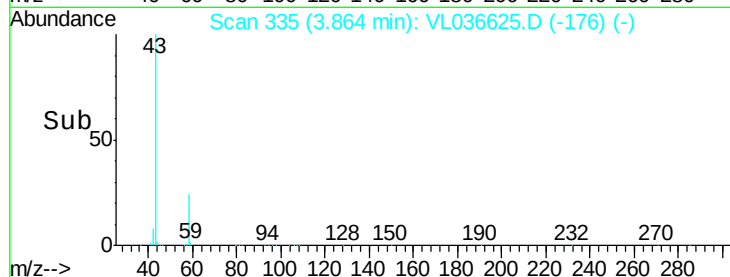
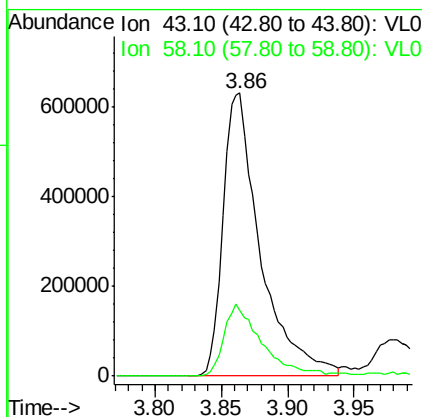
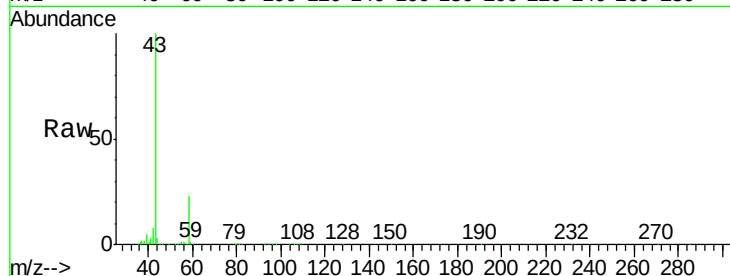
43 100

58 26.4 21.2 31.8

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4/2/2021 6:54:55 PM



#16

1,3-Butadiene

Concen: 8.870 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.01 min

Lab File: VL036625.D

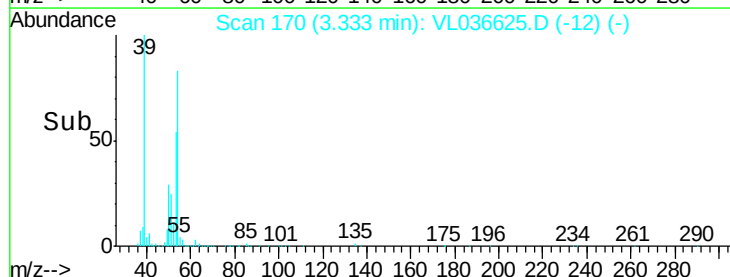
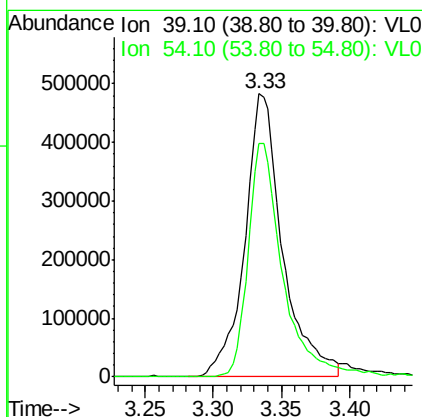
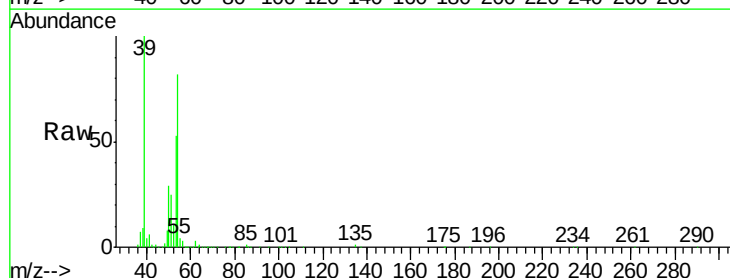
Acq: 1 Apr 2021 6:55

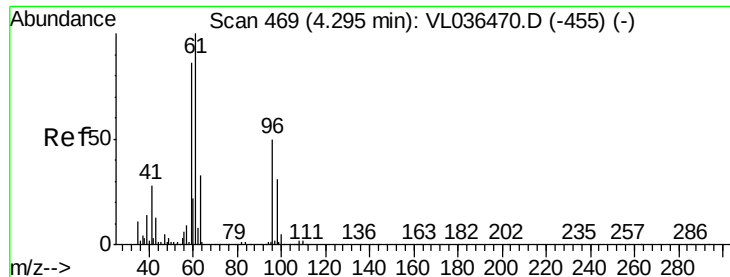
Tgt Ion: 39 Resp: 923116

Ion Ratio Lower Upper

39 100

54 77.4 58.8 88.2





#17

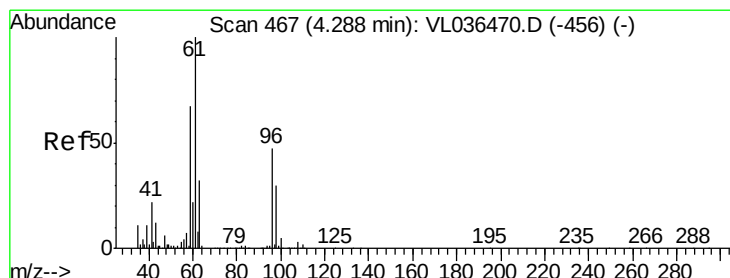
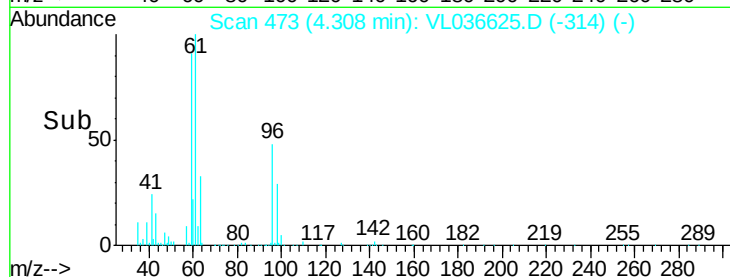
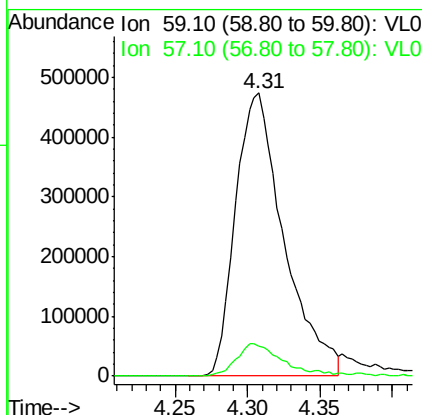
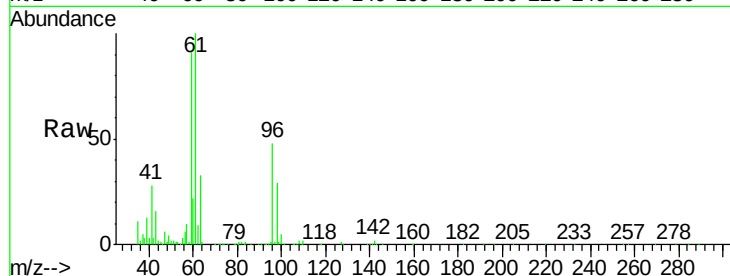
tert-Butyl alcohol
Concen: 8.444 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1098840
Ion Ratio Lower Upper
59 100
57 11.7 8.6 12.8

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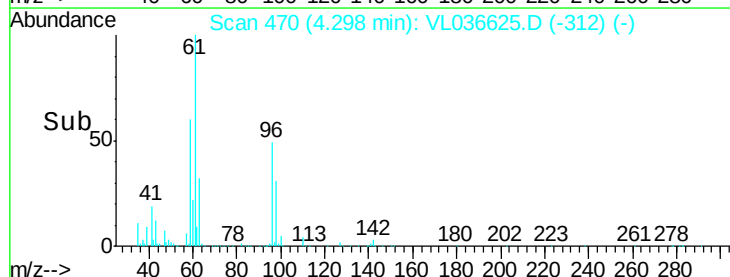
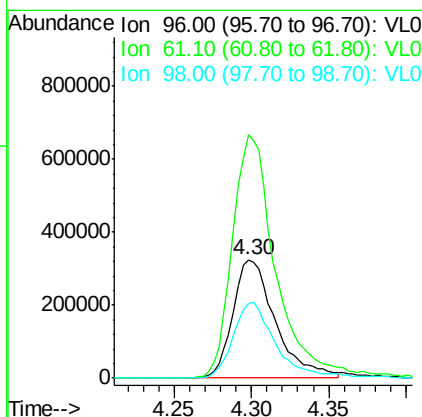
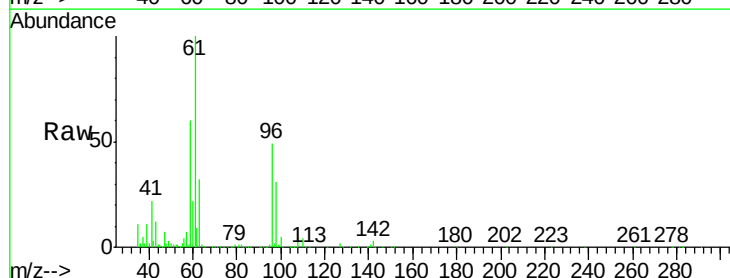
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4/2/2021 6:54:55 PM

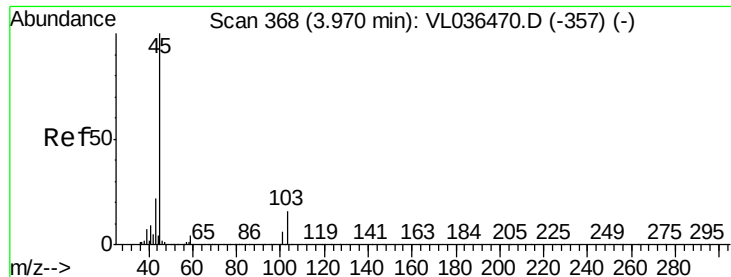


#18

1,1-Dichloroethene
Concen: 8.644 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion: 96 Resp: 620630
Ion Ratio Lower Upper
96 100
61 206.0 168.6 253.0
98 63.6 50.8 76.2





#19

Isopropyl Alcohol

Concen: 7.384 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 607228

Ion Ratio Lower Upper

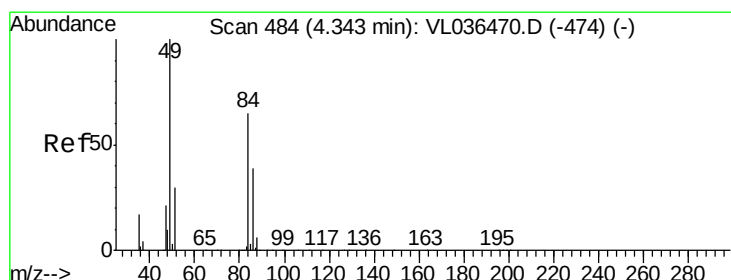
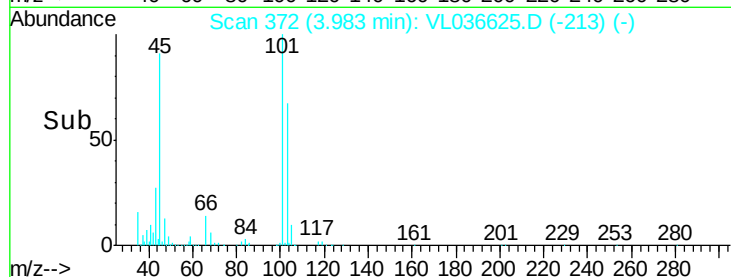
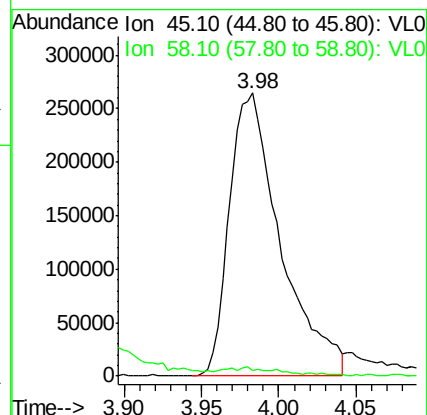
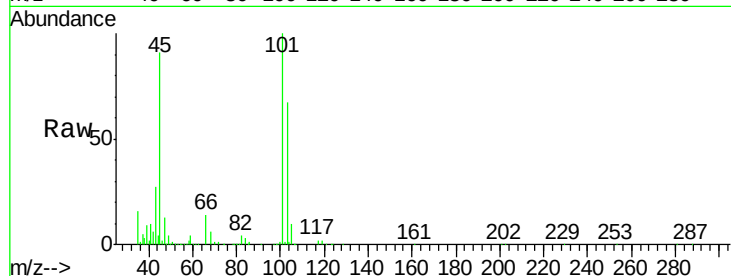
45 100

58 3.1 2.9 4.3

Manual Integrations
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4/2/2021 6:54:55 PM



#20

Methylene Chloride

Concen: 7.823 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Tgt Ion: 84 Resp: 547507

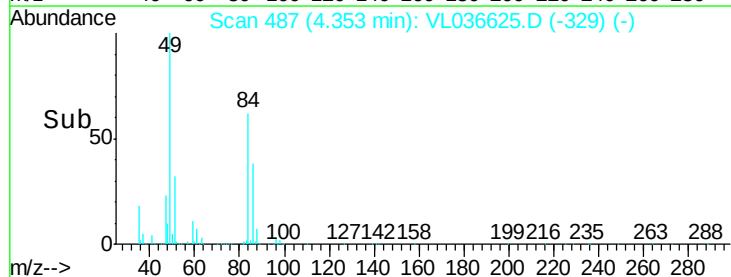
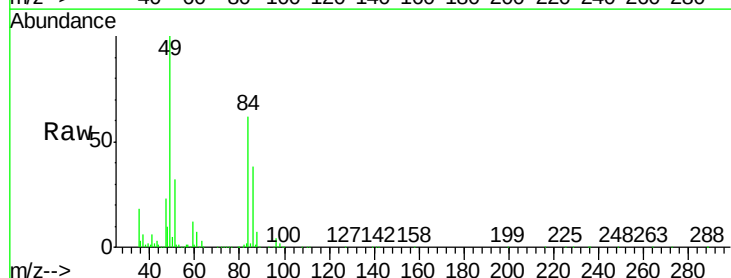
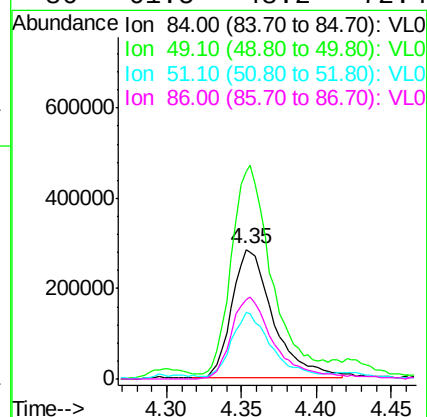
Ion Ratio Lower Upper

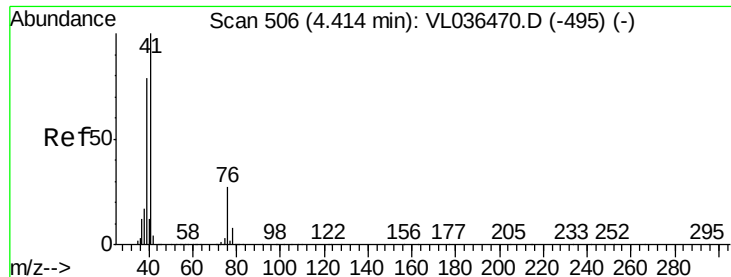
84 100

49 157.9 122.9 184.3

51 48.7 36.9 55.3

86 61.5 48.2 72.4





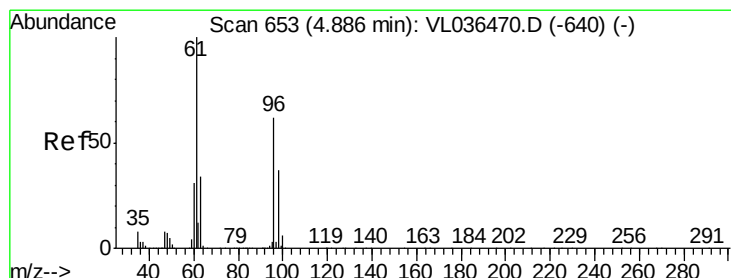
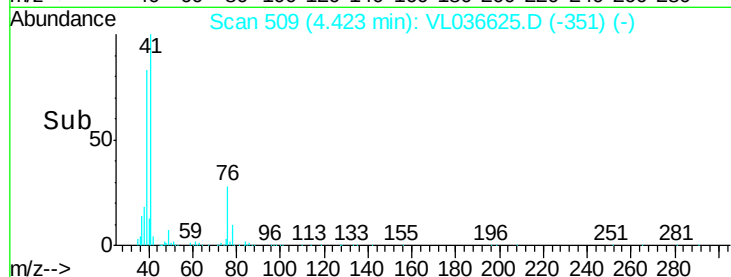
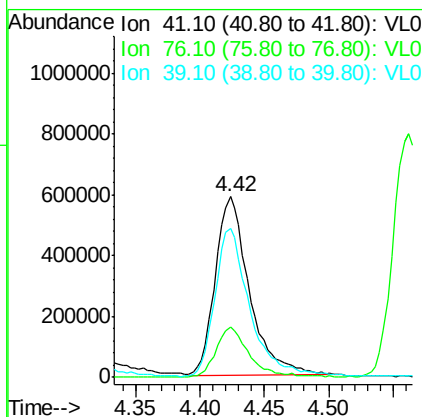
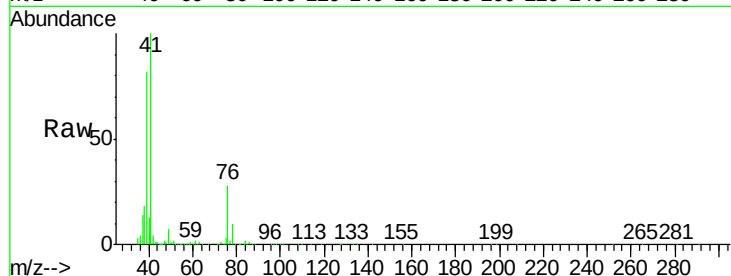
#21
Allvl Chloride
Concen: 9.098 ppbv
RT: 4.42 min Scan# 509
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 1084168
Ion Ratio Lower Upper
41 100
76 27.9 22.9 34.3
39 85.2 67.3 100.9

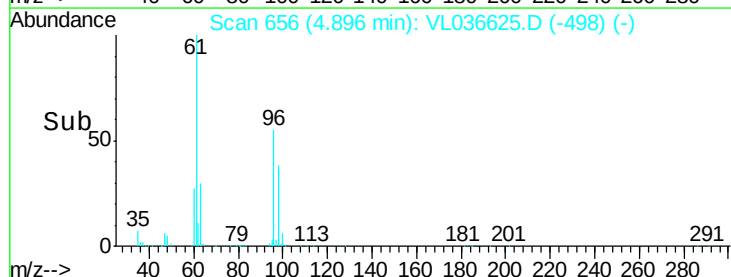
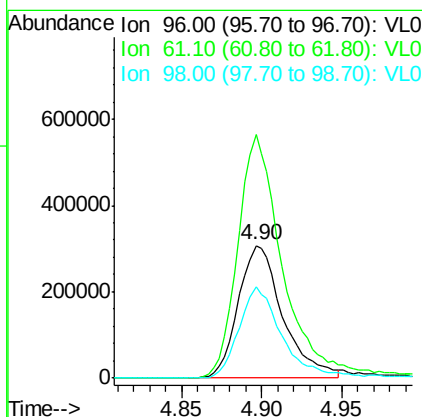
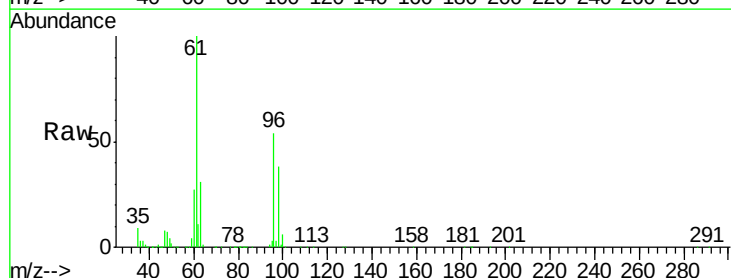
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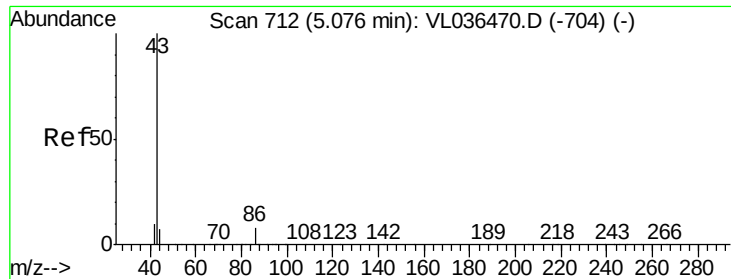
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4/2/2021 6:54:55 PM



#22
trans-1,2-Dichloroethene
Concen: 8.803 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion: 96 Resp: 585917
Ion Ratio Lower Upper
96 100
61 183.9 129.4 194.0
98 69.1 48.2 72.4





#23

Vinyl Acetate

Concen: 9.991 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Tot Ion: 43 Resp: 2554765

Ion Ratio Lower Upper

43 100

86 6.8 5.4 8.0

42 11.0 8.5 12.7

44 5.0 4.6 7.0

Instrument :

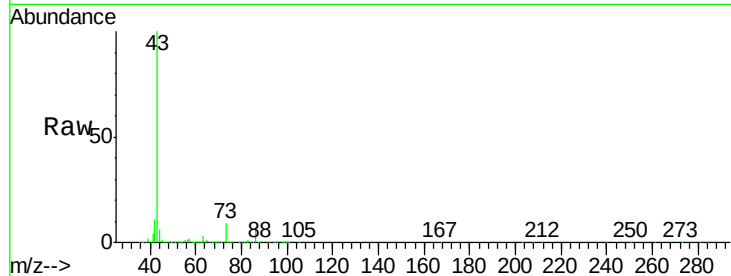
MSVOA_L

ClientSampleId :

VSTDCCC010

Manual Integrations
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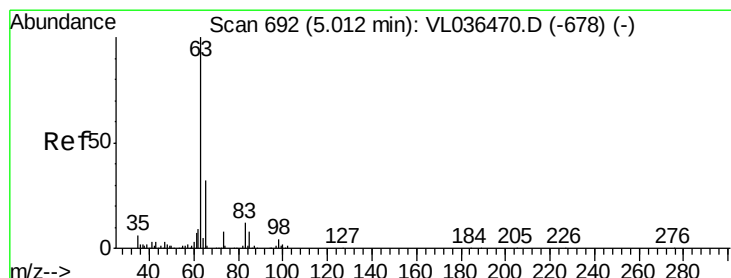
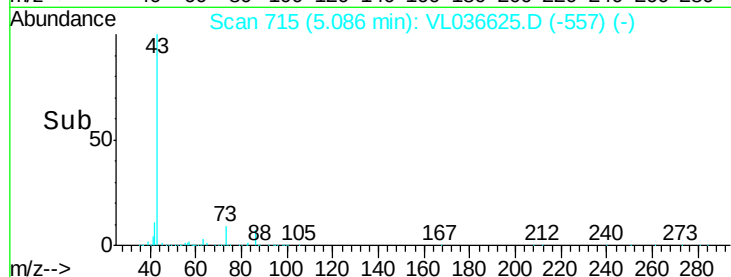
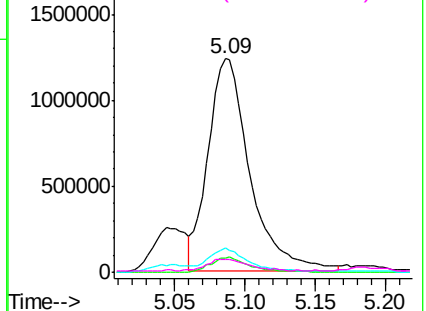


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#24

1,1-Dichloroethane

Concen: 9.331 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

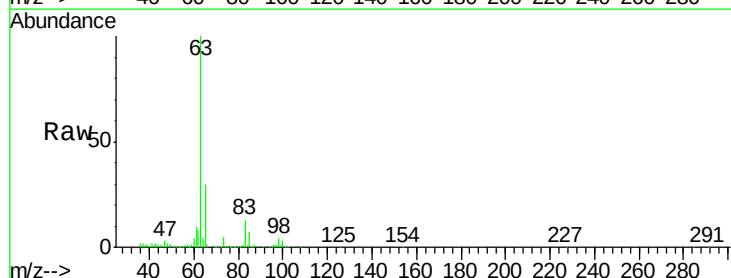
Tgt Ion: 63 Resp: 1739181

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.2

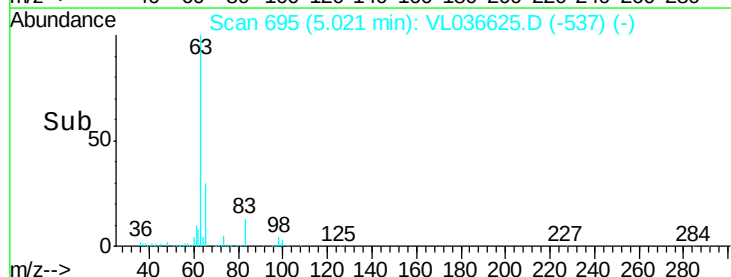
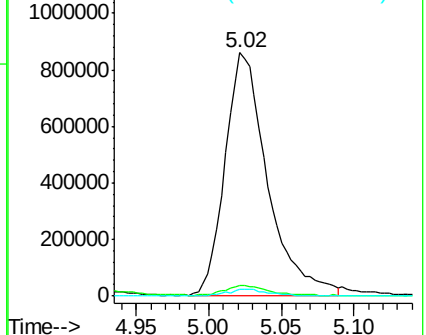
100 2.5 0.9 2.8

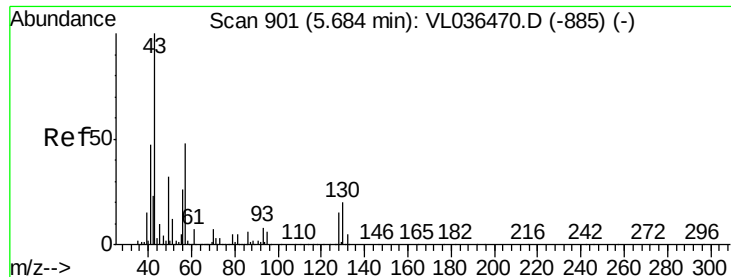


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





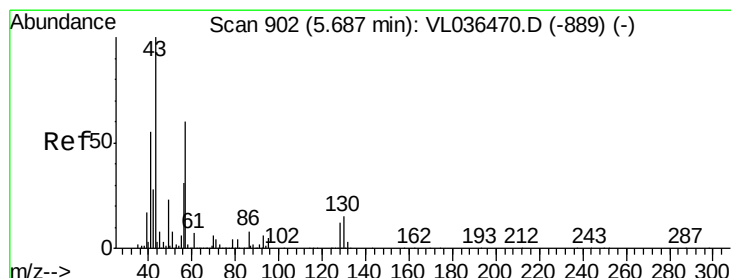
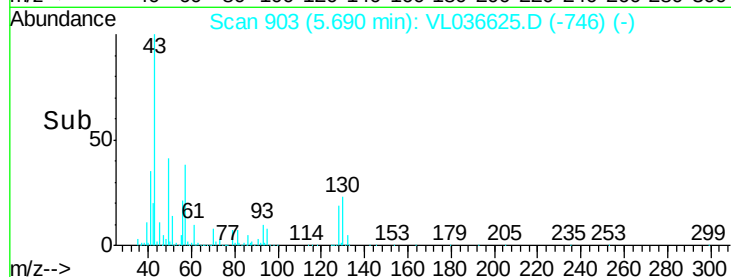
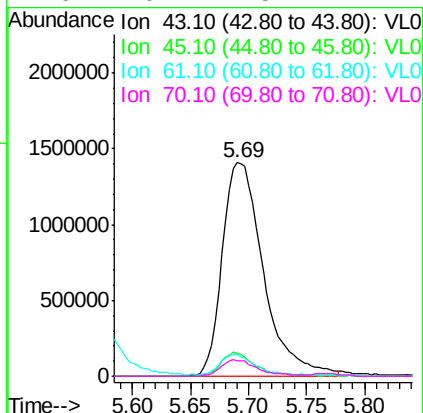
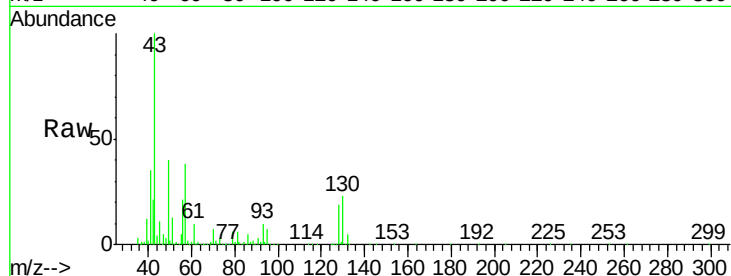
#25
Ethyl Acetate
Concen: 9.689 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
45	45	9.6	7.9	11.9
61	61	9.2	7.4	11.2
70	70	6.7	5.1	7.7

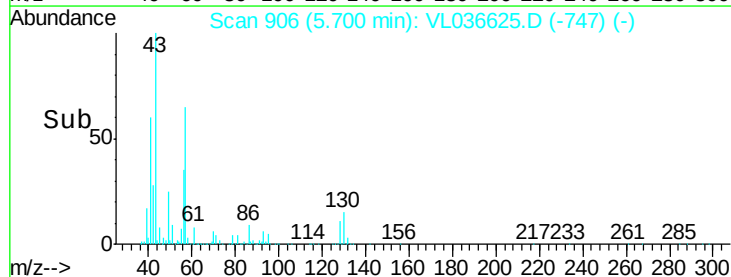
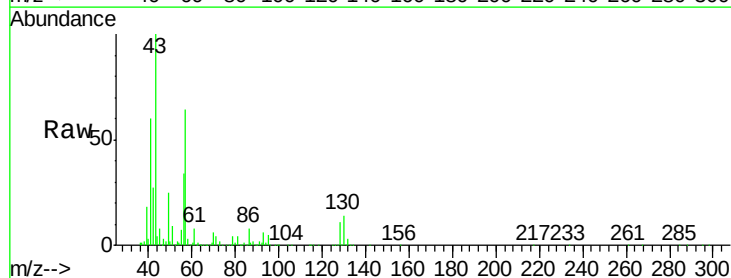
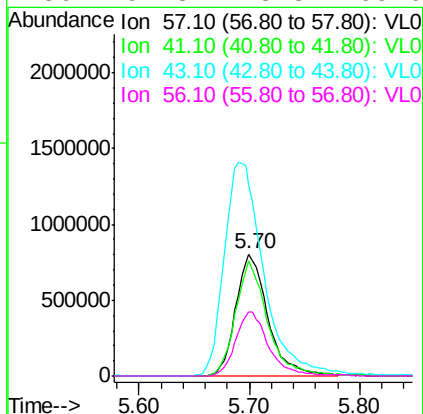
Manual Integrations
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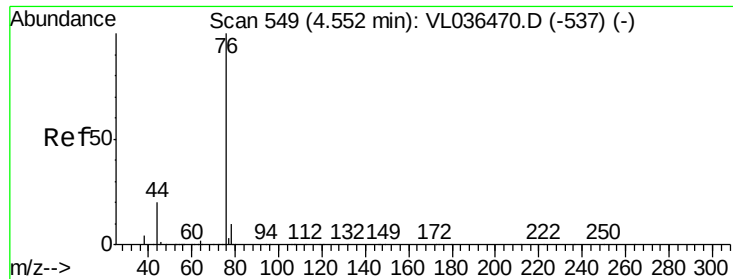
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#26
Hexane
Concen: 9.852 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion	Ion	Ratio	Lower	Upper
57	57	100		
41	41	95.2	77.2	115.8
43	43	216.6	173.8	260.6
56	56	54.3	43.8	65.6





#27

Carbon Disulfide

Concen: 9.614 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1561889

Ion Ratio Lower Upper

76 100

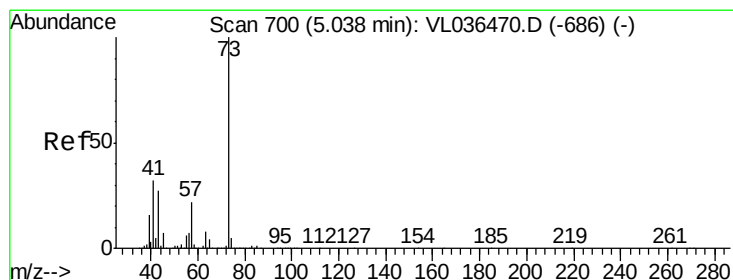
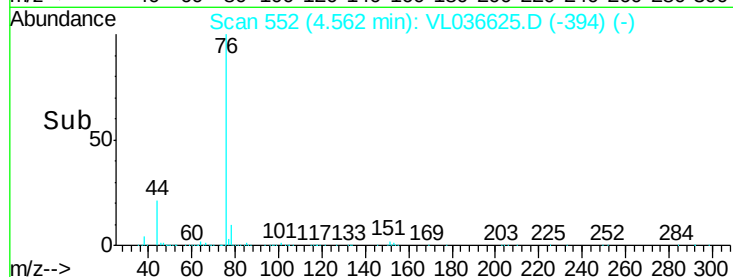
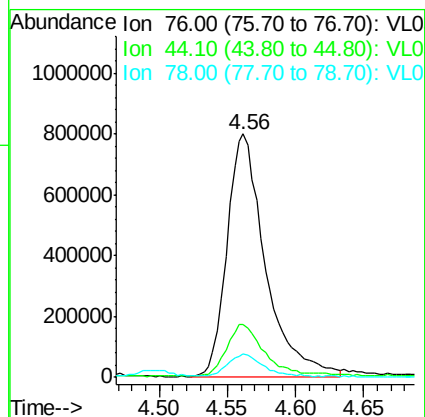
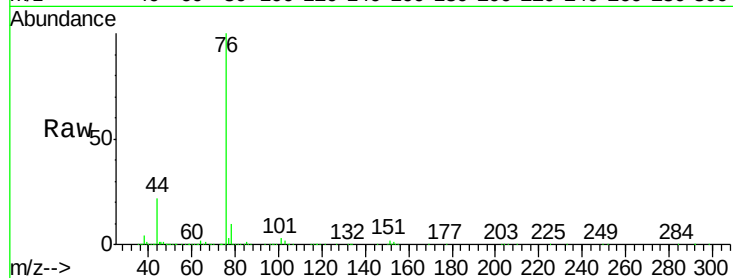
44 21.5 17.5 26.3

78 10.0 8.6 13.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 9.794 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.01 min

Lab File: VL036625.D

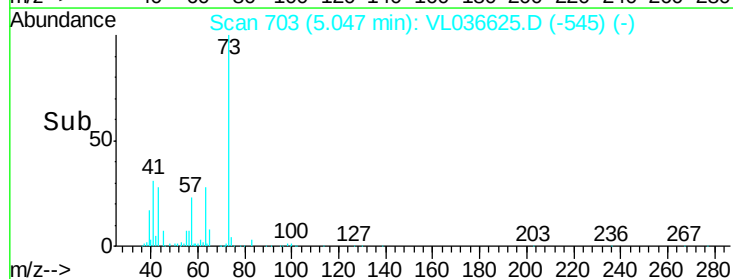
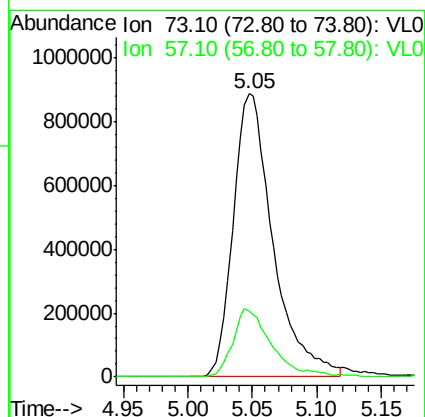
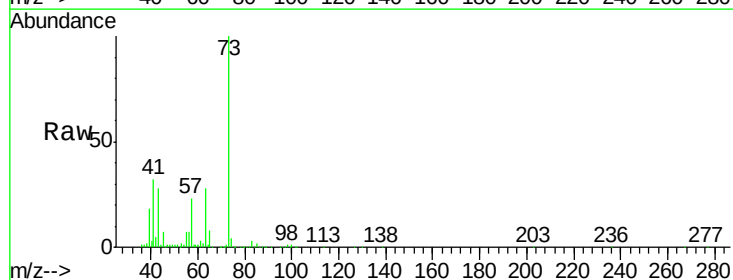
Acq: 1 Apr 2021 6:55

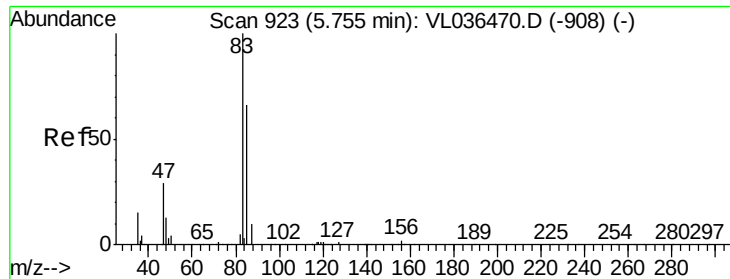
Tgt Ion: 73 Resp: 1904814

Ion Ratio Lower Upper

73 100

57 23.6 18.5 27.7





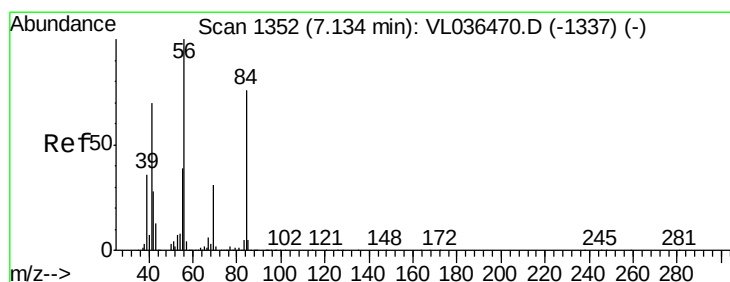
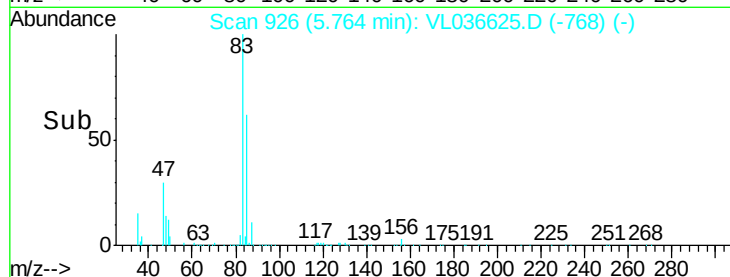
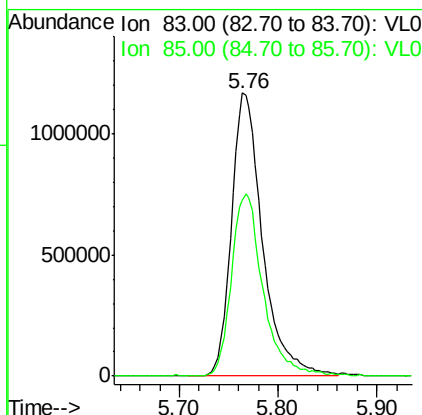
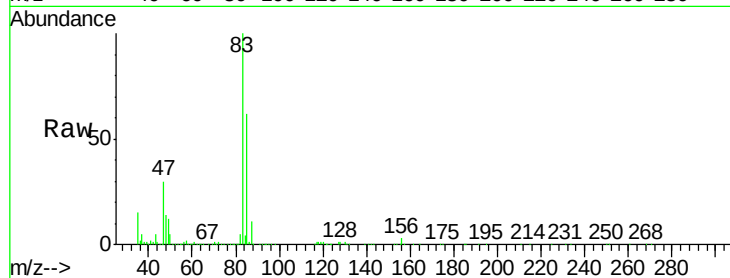
#29
Chloroform
Concen: 9.729 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2565989
Ion Ratio Lower Upper
83 100
85 61.9 52.6 78.8

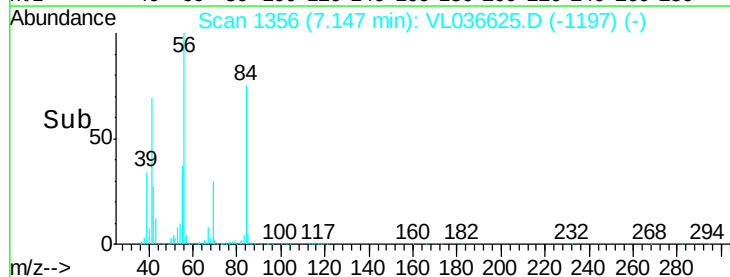
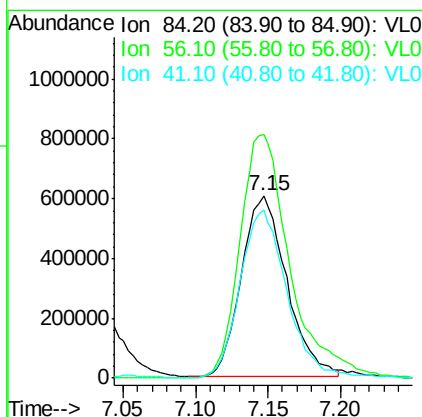
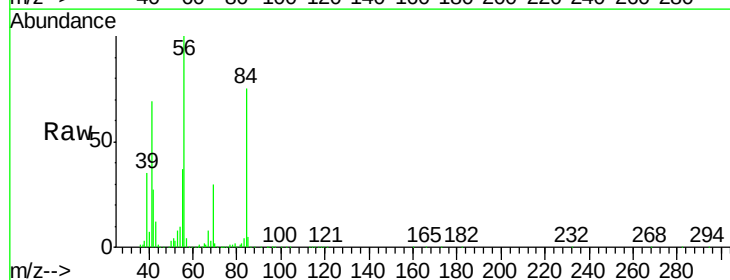
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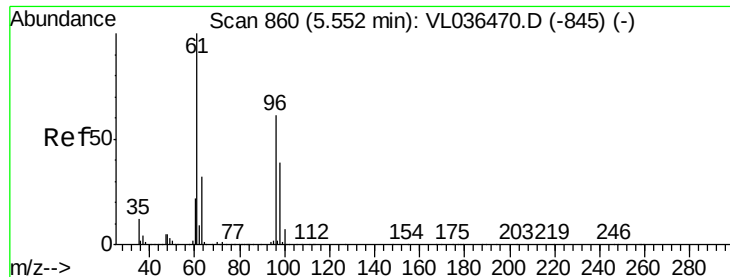
MMDadoda
4/2/2021 6:54:55 PM



#30
Cyclohexane
Concen: 9.839 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion: 84 Resp: 1315956
Ion Ratio Lower Upper
84 100
56 149.6 114.6 171.8
41 96.3 75.3 112.9





#31

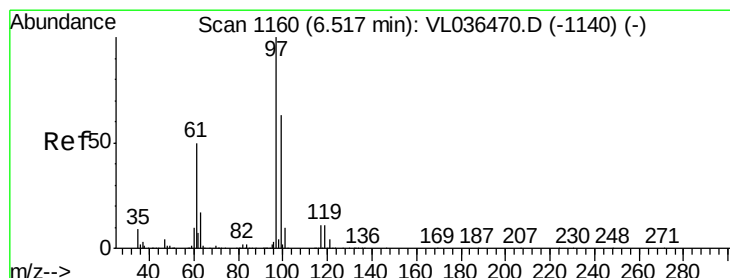
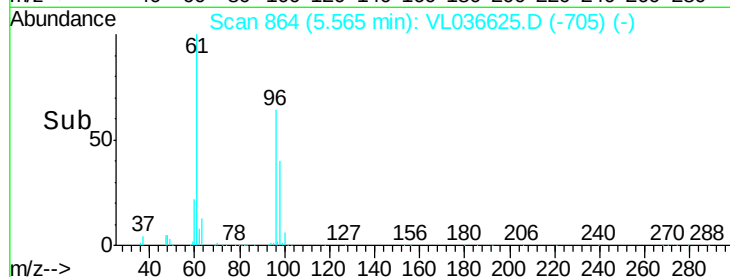
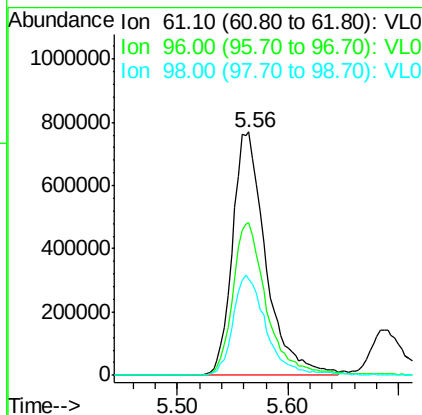
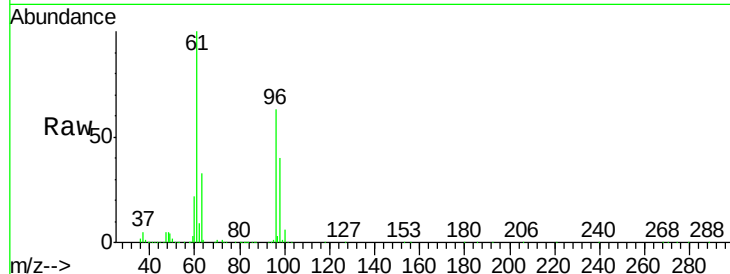
cis-1,2-Dichloroethene
Concen: 10.086 ppbv
RT: 5.56 min Scan# 864
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.7	48.7	73.1
98	39.9	31.4	47.0

Manual Integrations
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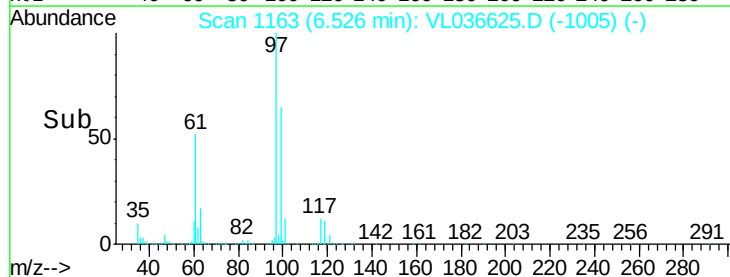
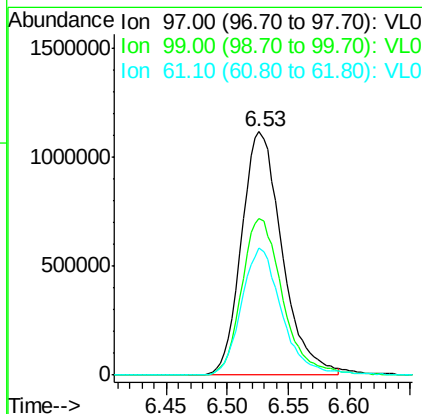
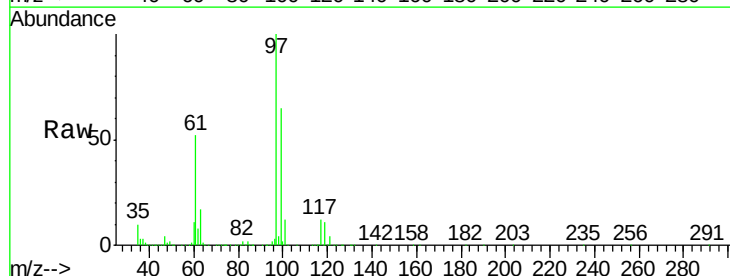
MMDadoda
4/2/2021 6:54:55 PM

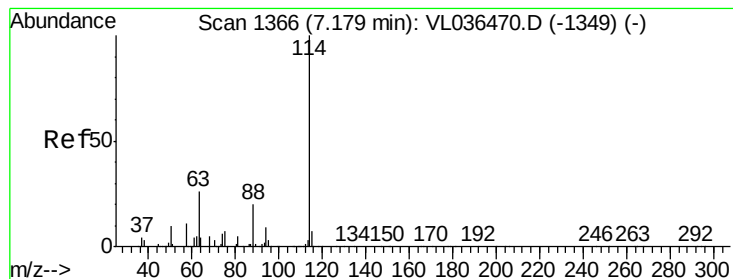


#32

1,1,1-Trichloroethane
Concen: 9.655 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.0
61	52.0	40.6	60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:114 Resp: 3753139

Ion Ratio Lower Upper

114 100

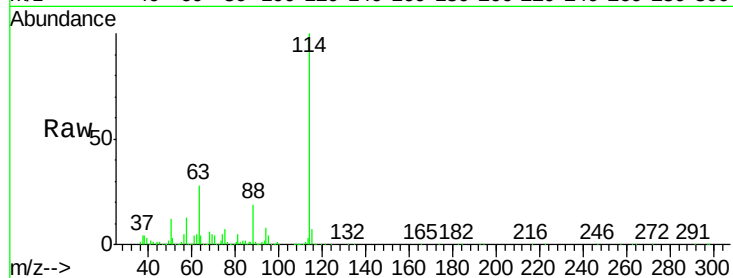
63 28.2 22.4 33.6

88 19.3 15.4 23.0

Manual Integrations
APPROVED

MMDadoda

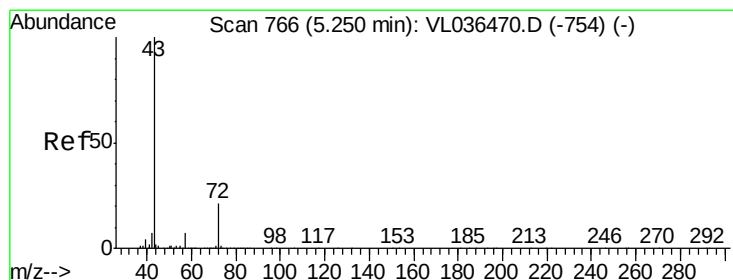
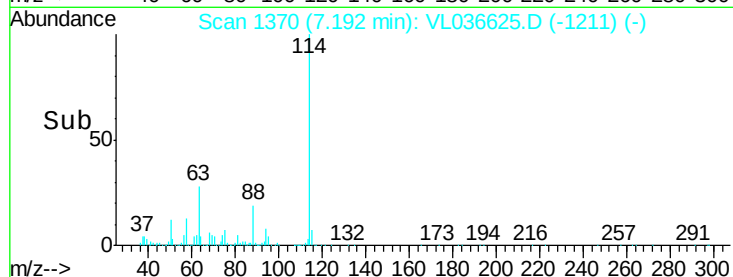
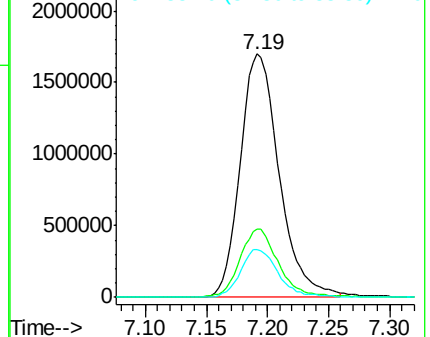
4/2/2021 6:54:55 PM



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.459 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.01 min

Lab File: VL036625.D

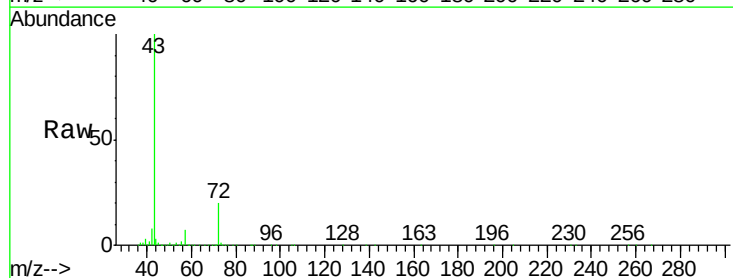
Acq: 1 Apr 2021 6:55

Tgt Ion: 43 Resp: 1732925

Ion Ratio Lower Upper

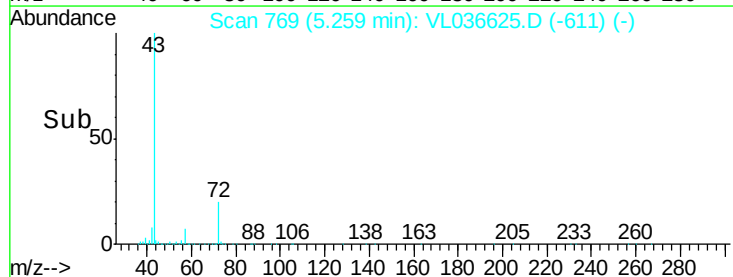
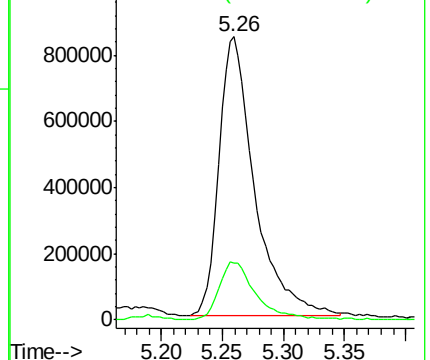
43 100

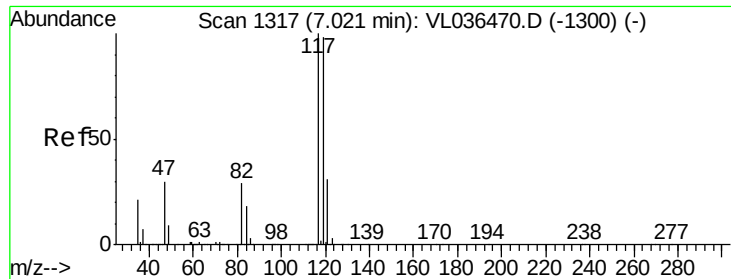
72 22.1 17.0 25.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.363 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2698983

Ion Ratio Lower Upper

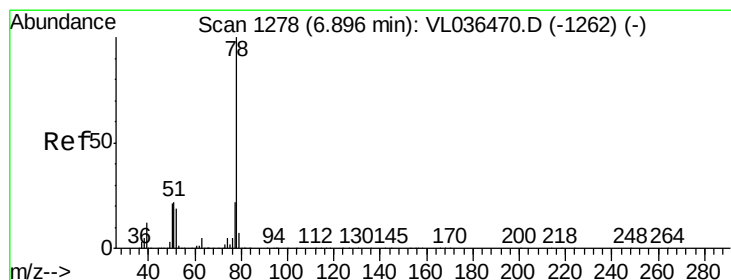
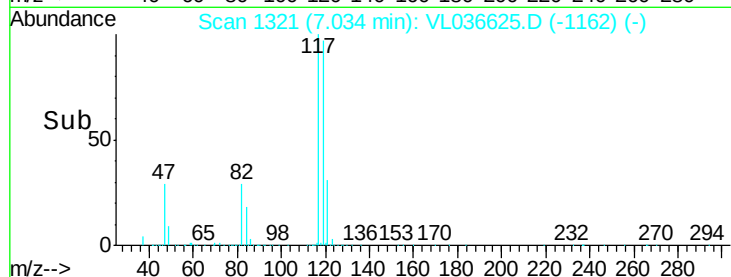
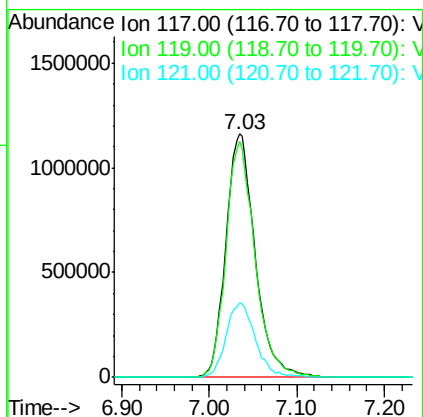
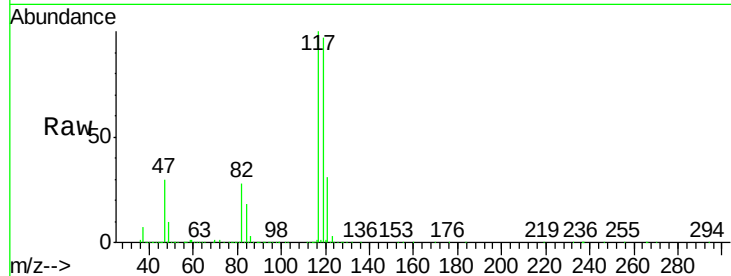
117 100

119 97.1 78.2 117.2

121 30.8 24.5 36.7

Manual Integrations
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4/2/2021 6:54:55 PM



#36

Benzene

Concen: 9.735 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

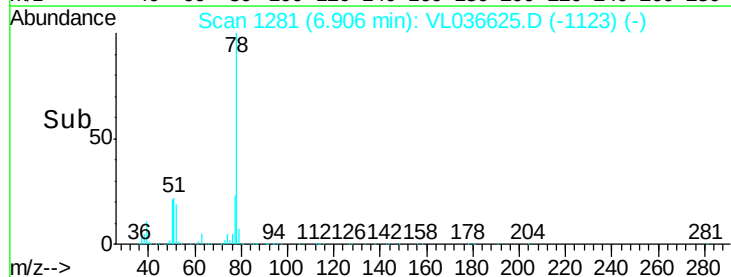
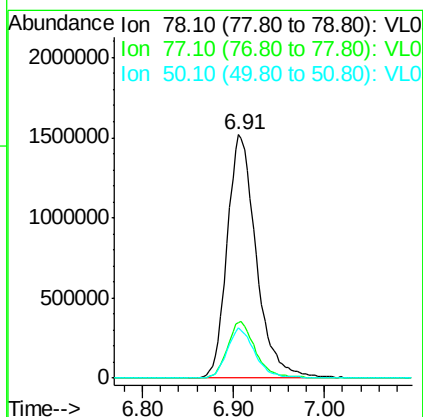
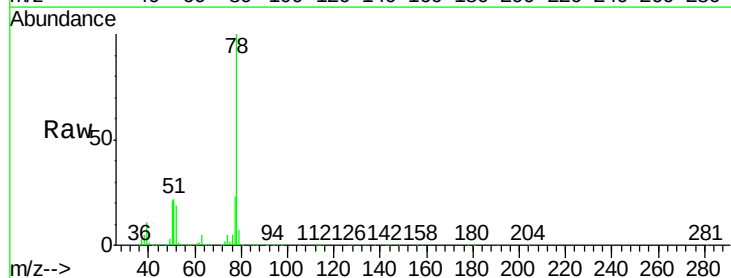
Tgt Ion: 78 Resp: 3369755

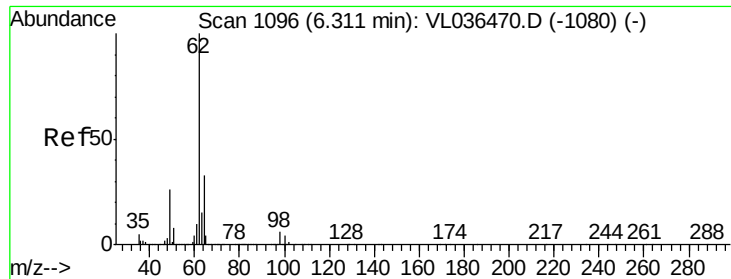
Ion Ratio Lower Upper

78 100

77 23.0 18.0 27.0

50 20.5 16.5 24.7





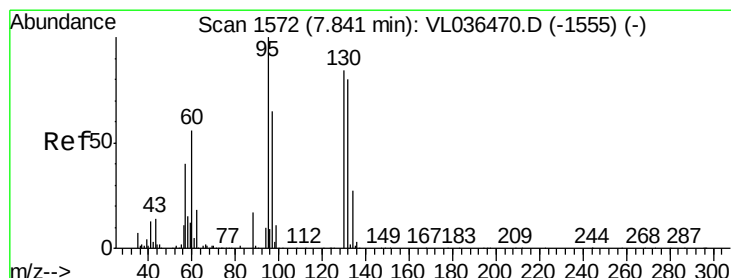
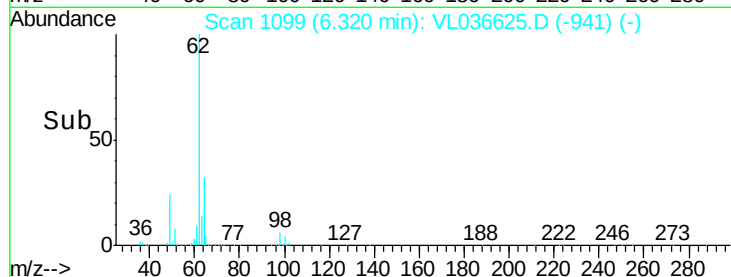
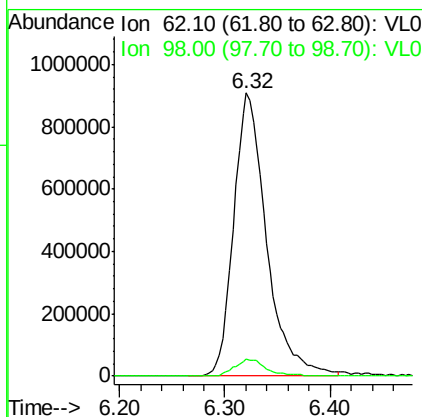
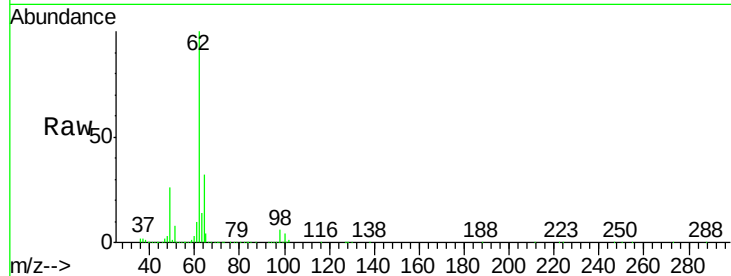
#37
 1,2-Dichloroethane
 Concen: 9.600 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1955837
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.9 7.3

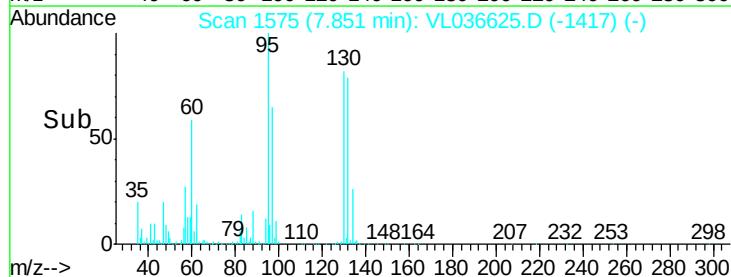
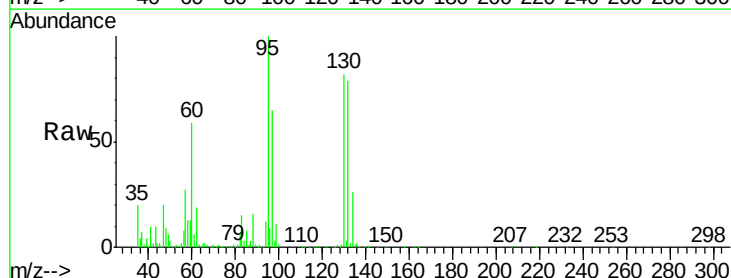
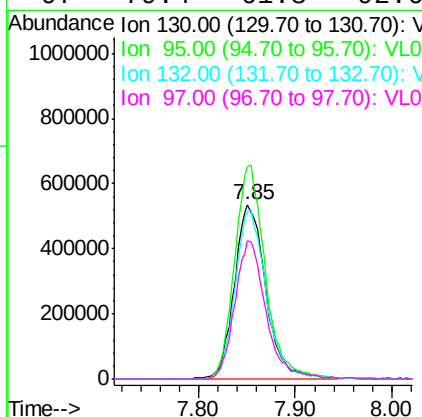
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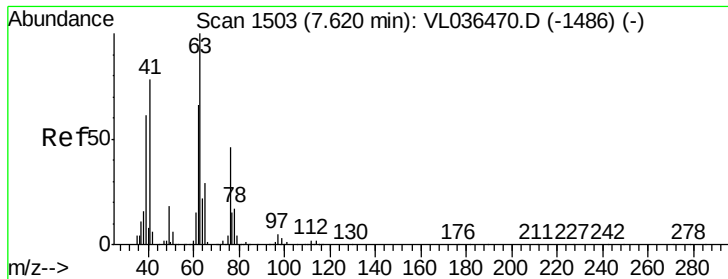
MMDadoda
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#38
 Trichloroethene
 Concen: 8.879 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Tgt Ion: 130 Resp: 1196042
 Ion Ratio Lower Upper
 130 100
 95 122.5 95.7 143.5
 132 96.4 76.2 114.4
 97 79.4 61.8 92.6





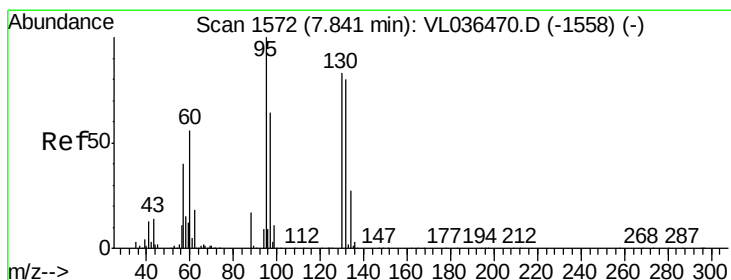
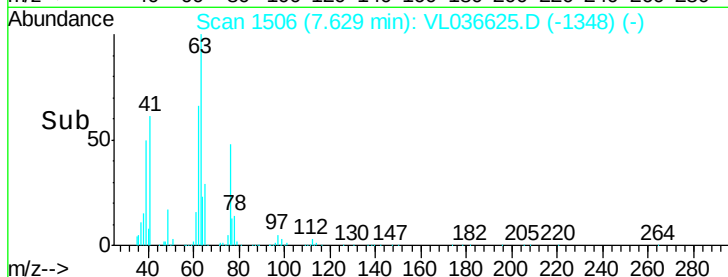
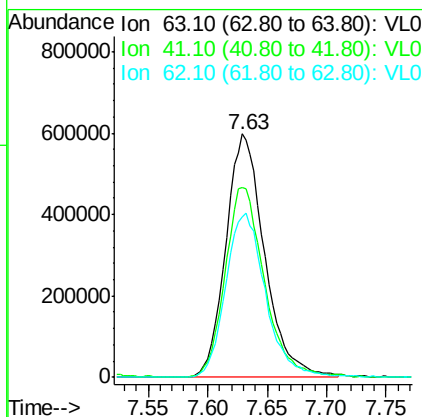
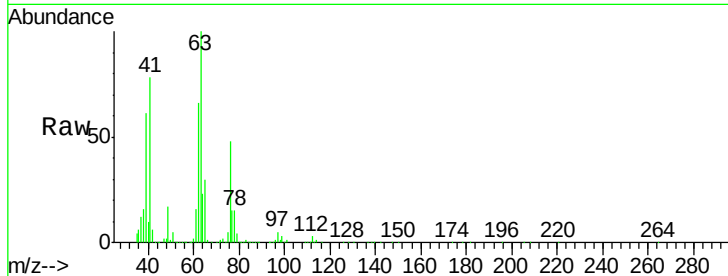
#39
 1,2-Dichloropropane
 Concen: 9.498 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	77.8	62.4	93.6
62	65.9	52.8	79.2

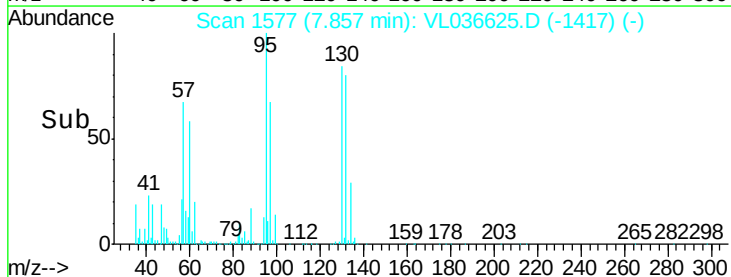
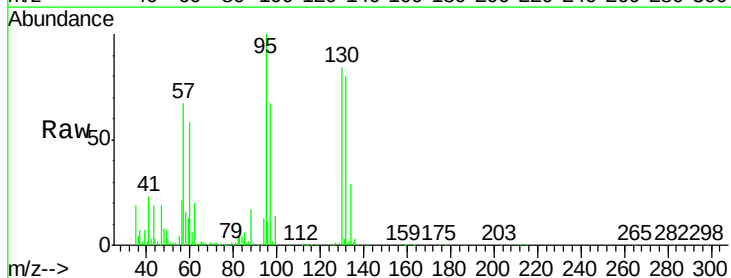
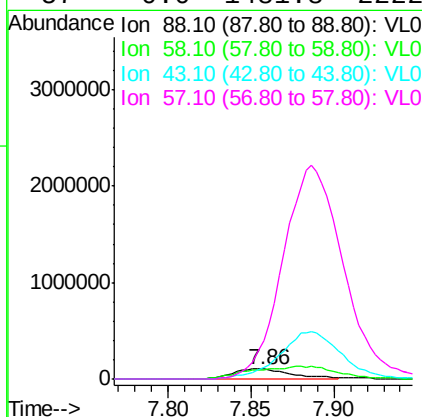
Manual Integrations
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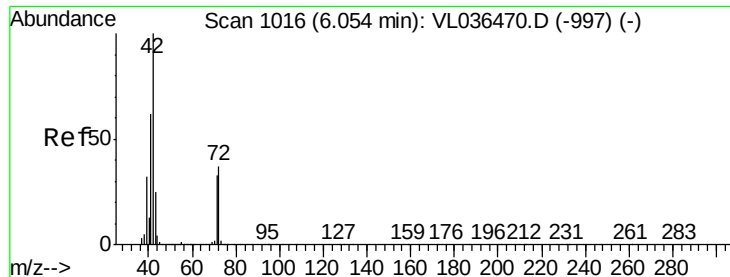
MMDadoda
 4/2/2021 6:54:55 PM



#40
 1,4-Dioxane
 Concen: 7.779 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.02 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	134.1	201.1#
43	0.0	346.6	520.0#
57	0.0	1481.8	2222.8#





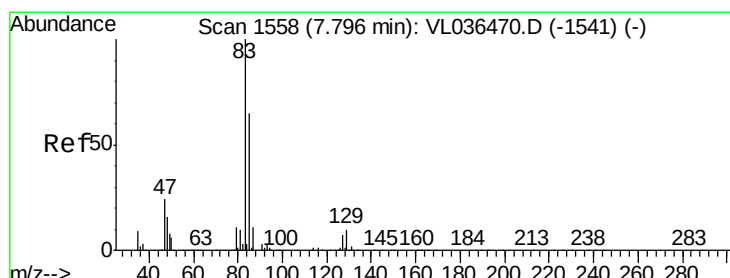
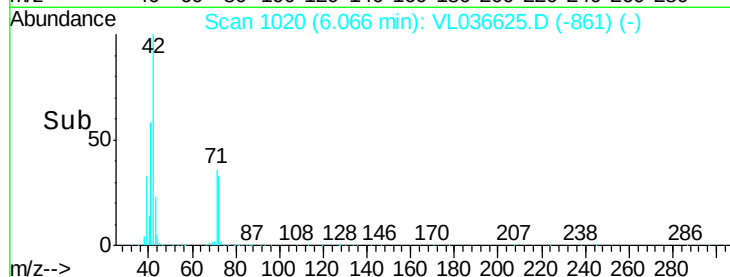
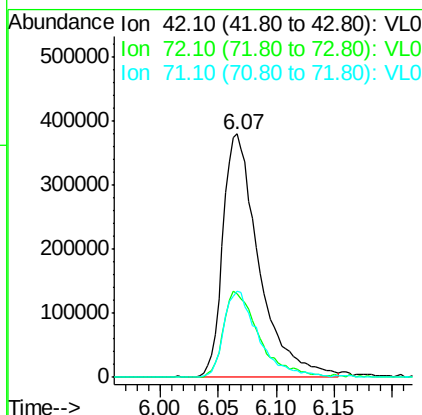
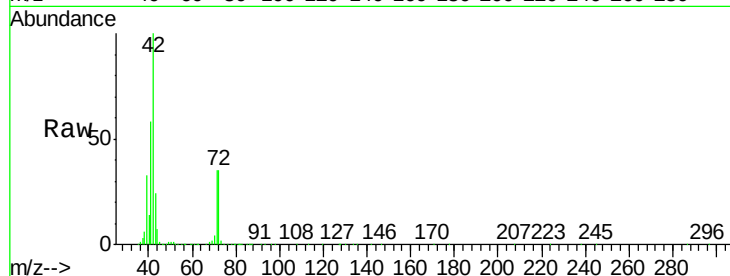
#41
Tetrahydrofuran
Concen: 9.693 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.9	27.6	41.4
71	34.8	27.0	40.4

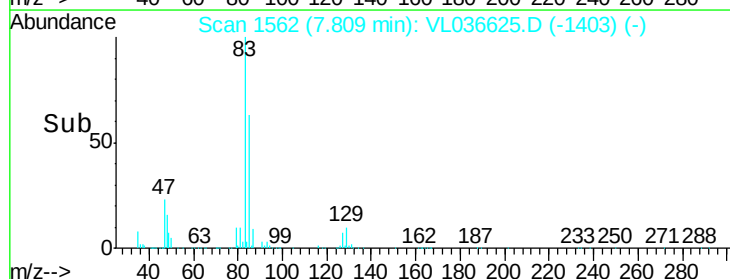
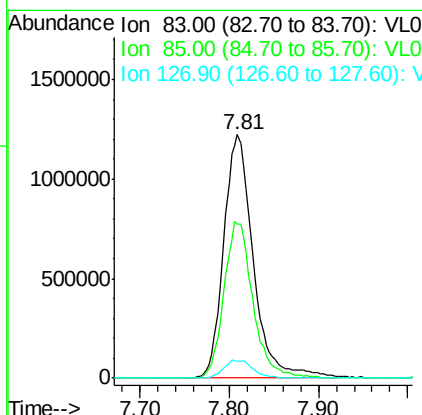
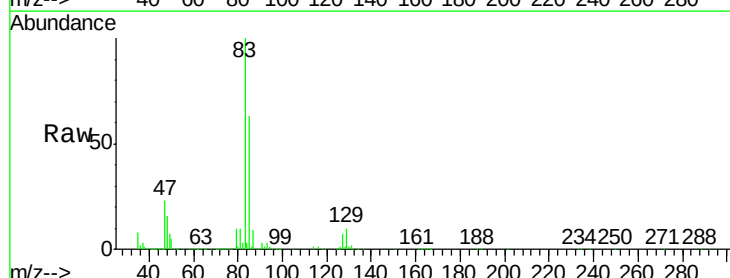
Manual Integrations
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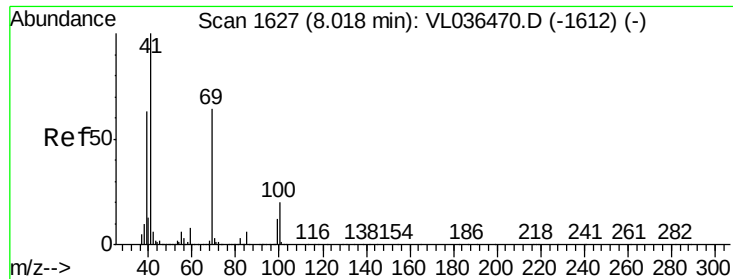
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4/2/2021 6:54:55 PM



#42
Bromodichloromethane
Concen: 10.119 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.8	77.6
127	7.2	5.8	8.8





#43

Methyl Methacrylate

Concen: 10.594 ppbv

RT: 8.03 min Scan# 1632

Delta R.T. 0.02 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

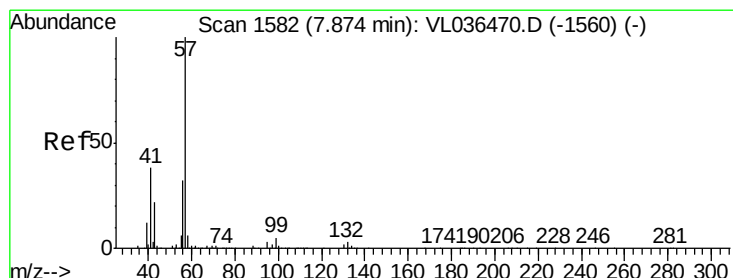
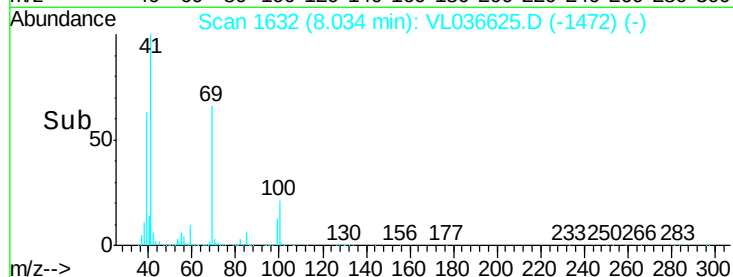
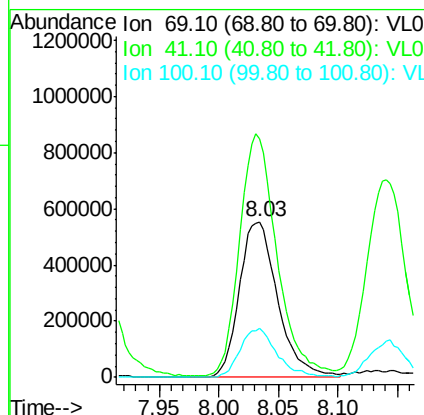
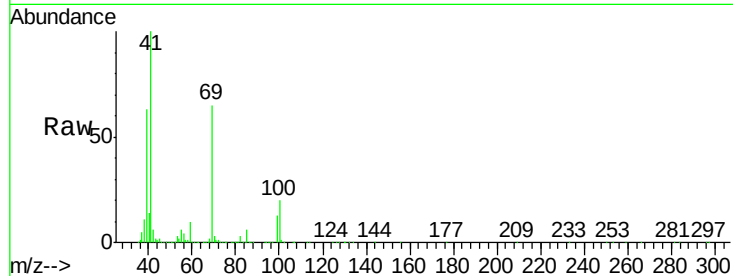
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1231415

Ion	Ratio	Lower	Upper
69	100		
41	153.2	126.8	190.2
100	30.5	24.9	37.3

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 9.266 ppbv

RT: 7.89 min Scan# 1586

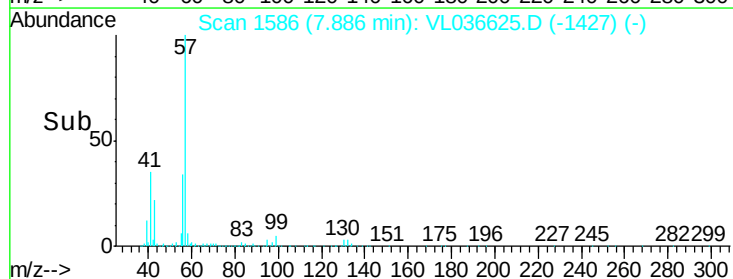
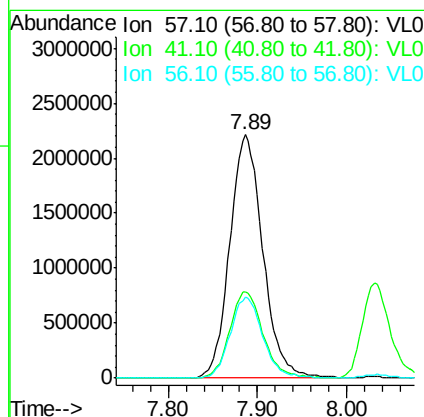
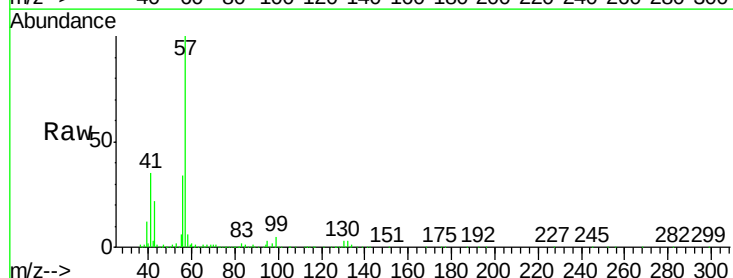
Delta R.T. 0.01 min

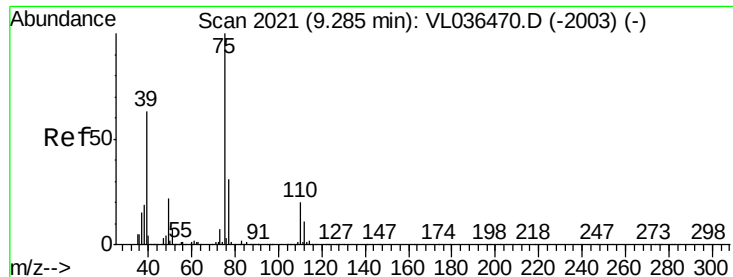
Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Tgt Ion: 57 Resp: 5645051

Ion	Ratio	Lower	Upper
57	100		
41	35.8	28.8	43.2
56	33.0	26.1	39.1





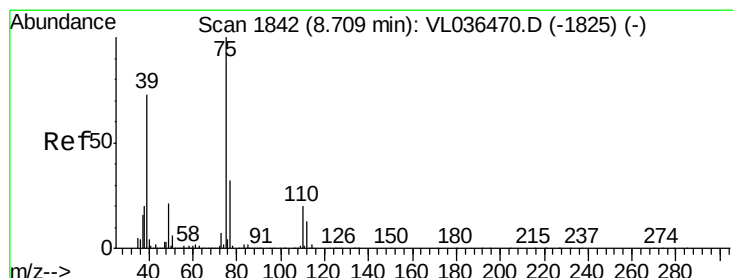
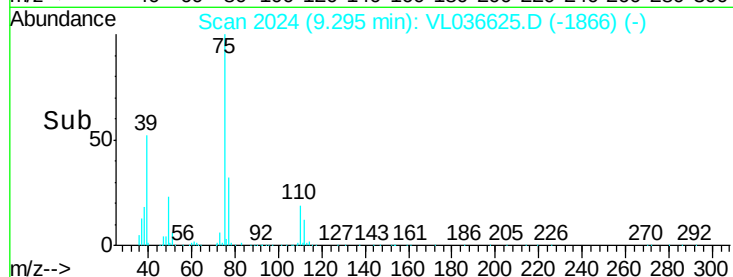
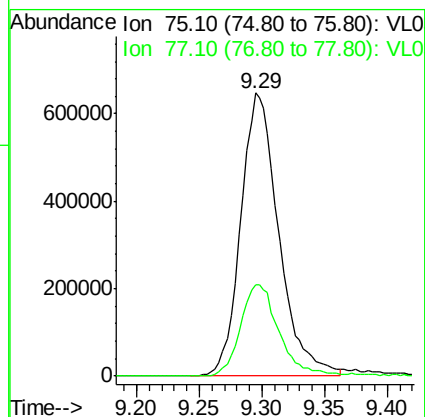
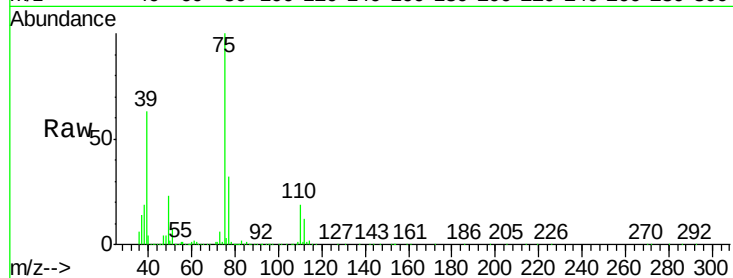
#45
t-1,3-Dichloropropene
Concen: 10.254 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1360978
Ion Ratio Lower Upper
75 100
77 32.4 25.1 37.7

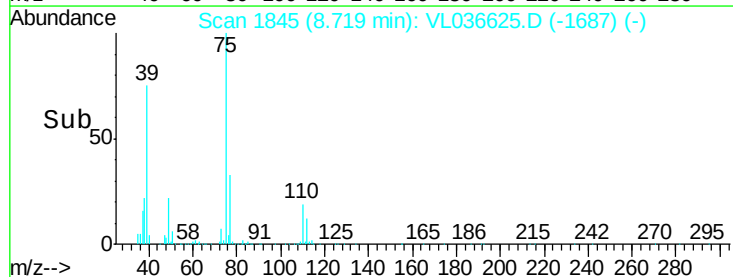
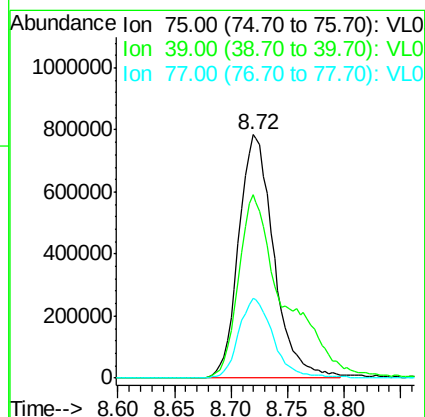
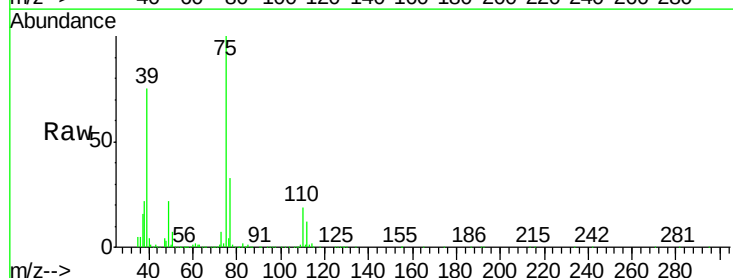
Manual Integrations
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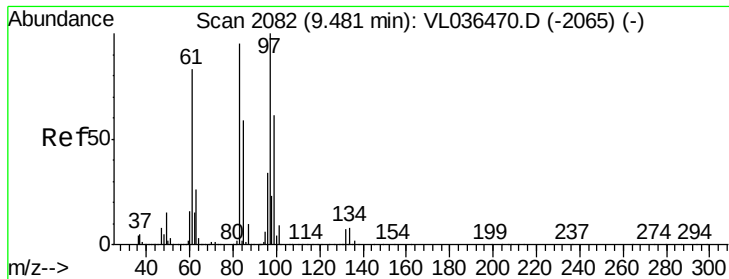
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 9.998 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion: 75 Resp: 1696265
Ion Ratio Lower Upper
75 100
39 75.2 58.2 87.2
77 32.7 25.2 37.8





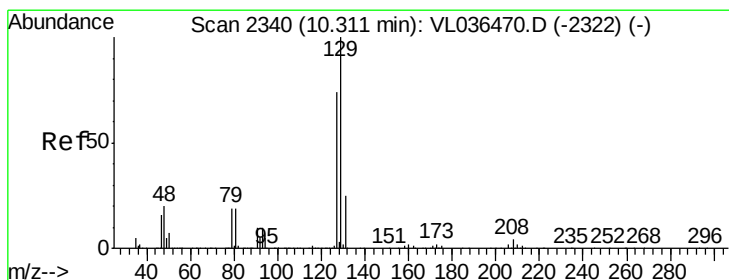
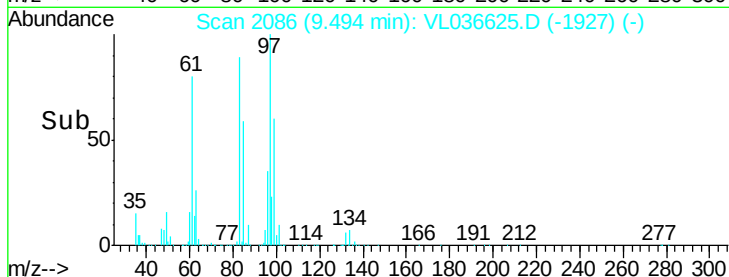
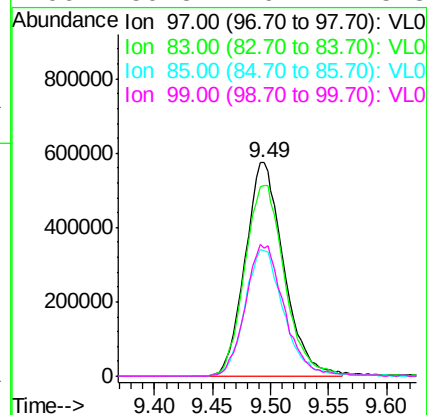
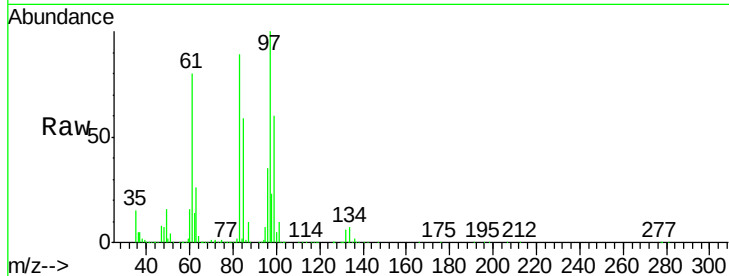
#47
 1,1,2-Trichloroethane
 Concen: 9.370 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.3	75.8	113.8
85	58.8	47.1	70.7
99	59.8	49.2	73.8

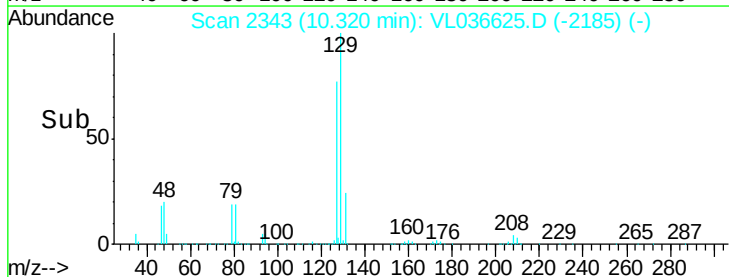
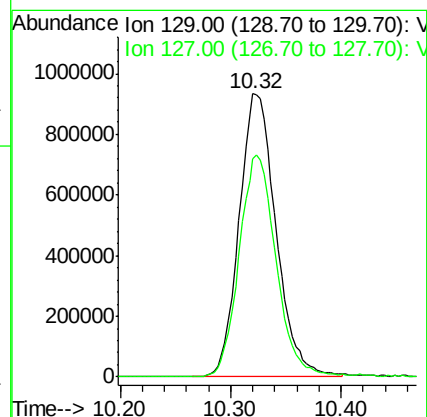
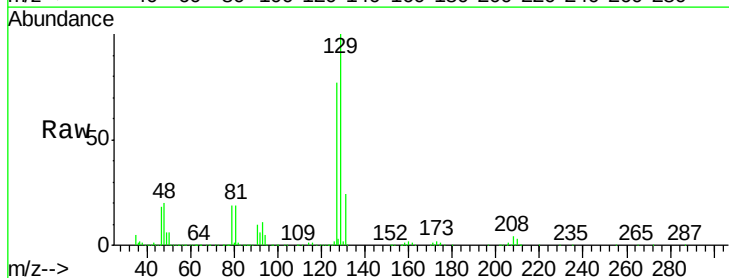
Manual Integrations
 APPROVED

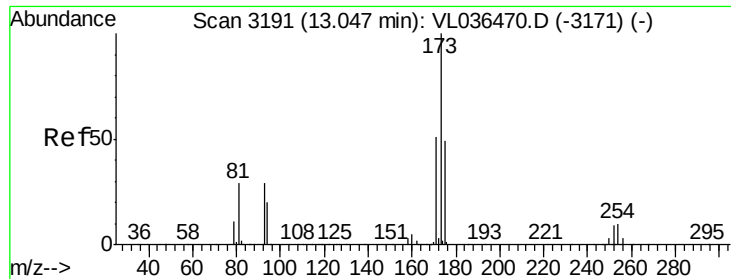
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.003 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.6	118.8





#49

Bromoform

Concen: 9.678 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1690588

Ion Ratio Lower Upper

173 100

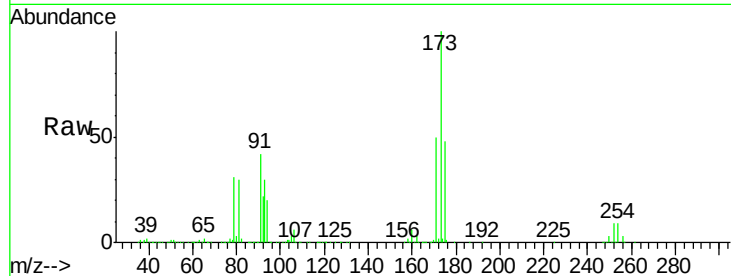
175 49.3 39.6 59.4

171 53.0 41.4 62.0

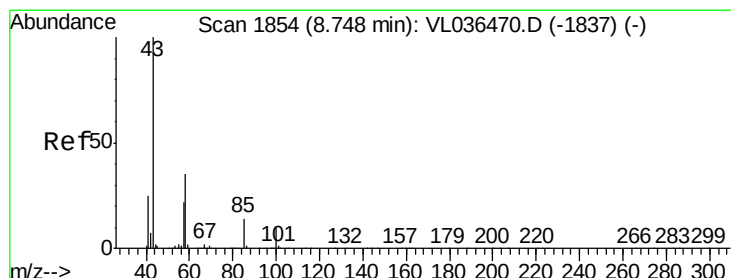
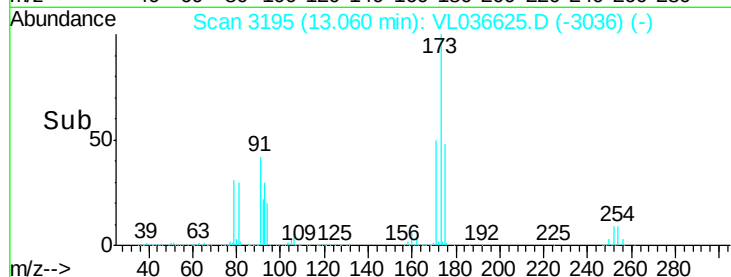
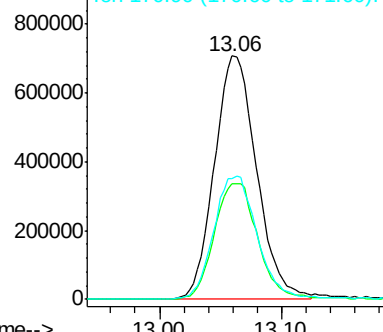
Manual Integrations
APPROVED

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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.067 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.01 min

Lab File: VL036625.D

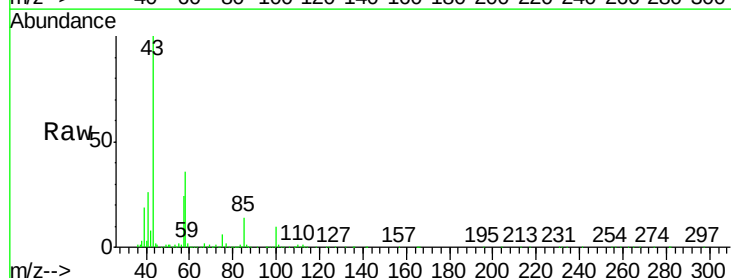
Acq: 1 Apr 2021 6:55

Tgt Ion: 43 Resp: 2668526

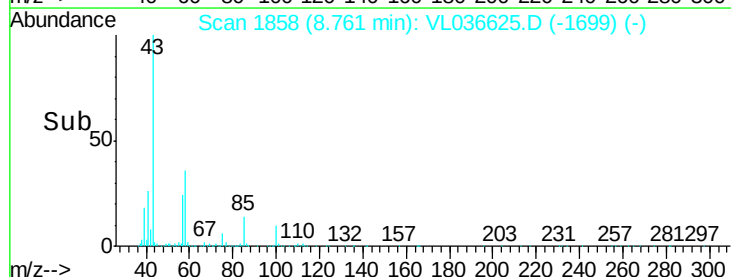
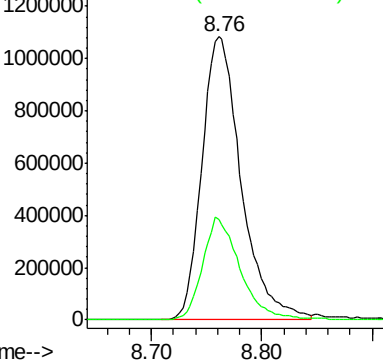
Ion Ratio Lower Upper

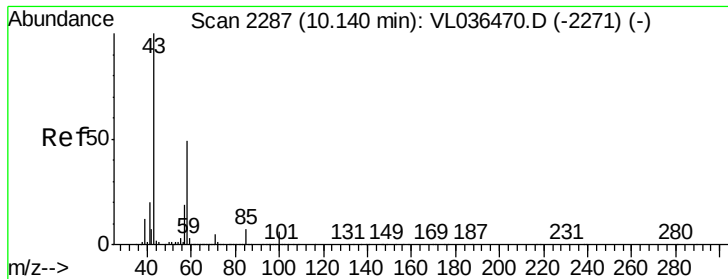
43 100

58 35.1 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.991 ppbv

RT: 10.16 min Scan# 2293

Delta R.T. 0.02 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1470243

Ion Ratio Lower Upper

43 100

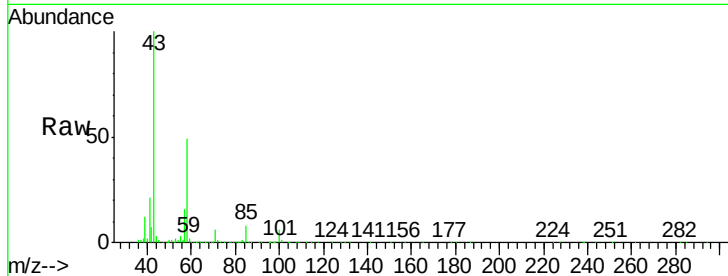
58 46.4 37.7 56.5

98 0.7 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda

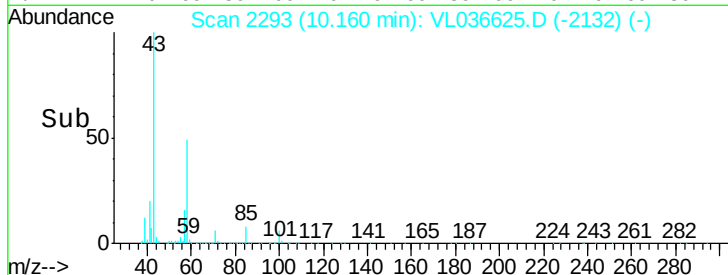
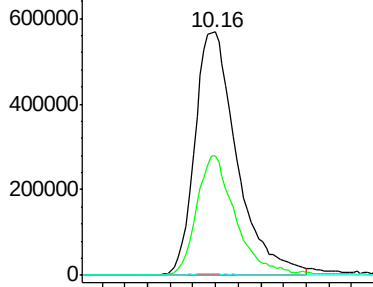
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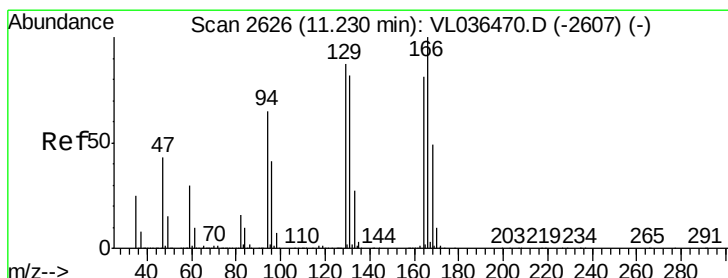
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



Time-->



#52

Tetrachloroethene

Concen: 8.554 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Tgt Ion: 164 Resp: 1090266

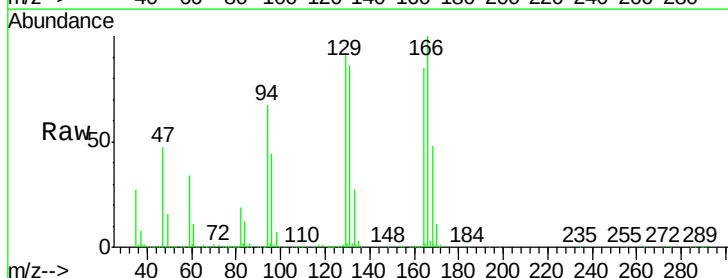
Ion Ratio Lower Upper

164 100

166 118.1 98.3 147.5

129 107.0 85.8 128.8

131 101.8 80.9 121.3

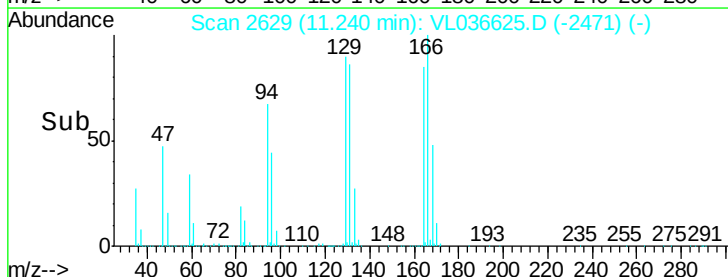
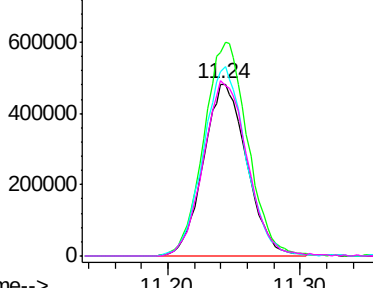


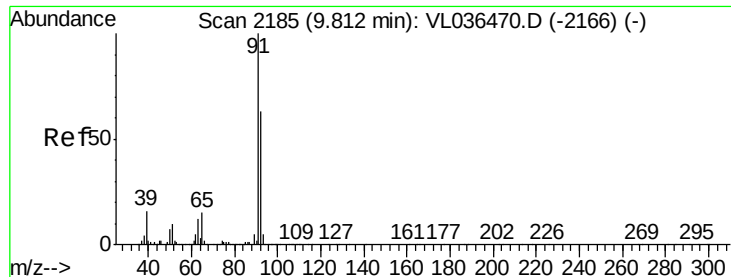
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





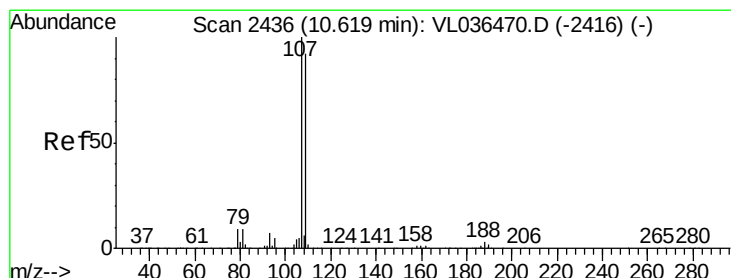
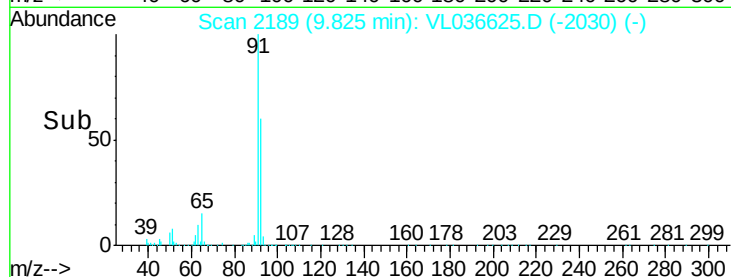
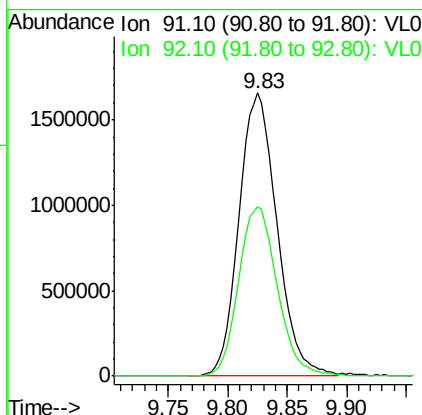
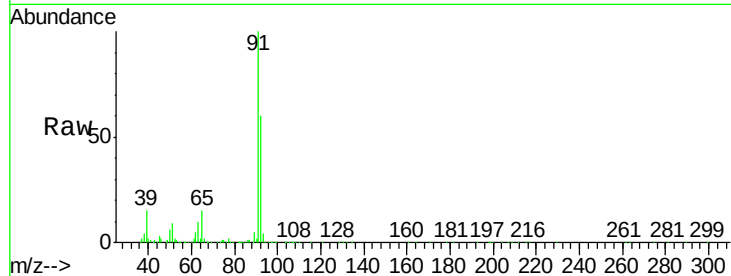
#53
Toluene
Concen: 9.977 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 3677702
Ion Ratio Lower Upper
91 100
92 61.2 48.8 73.2

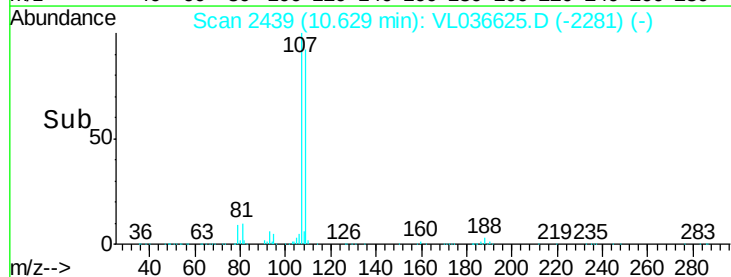
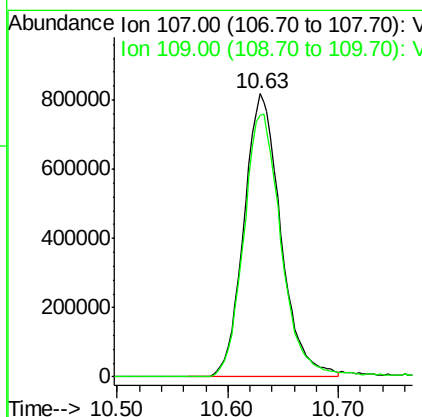
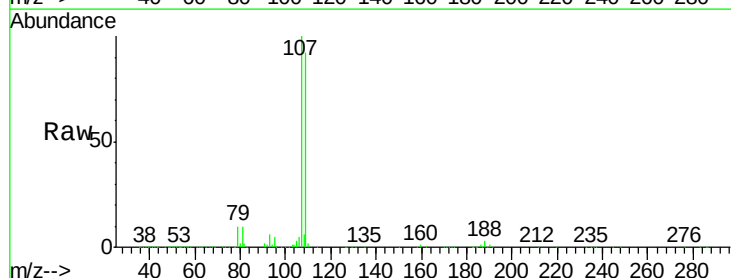
Manual Integrations
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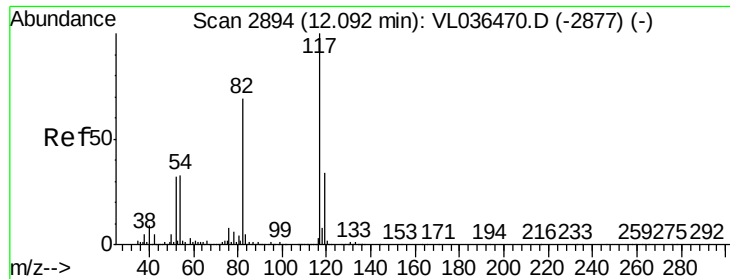
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#54
1,2-Dibromoethane
Concen: 9.409 ppbv
RT: 10.63 min Scan# 2439
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion: 107 Resp: 1889720
Ion Ratio Lower Upper
107 100
109 92.3 73.9 110.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.11 min Scan# 2899

Delta R.T. 0.02 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 3542739

Ion Ratio Lower Upper

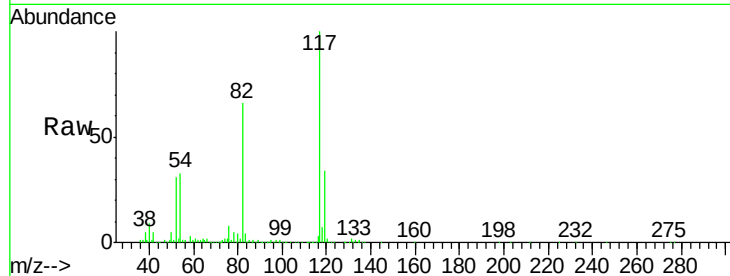
117 100

82 66.9 57.4 86.0

119 28.6 47.4 71.0#

Manual Integrations
APPROVED

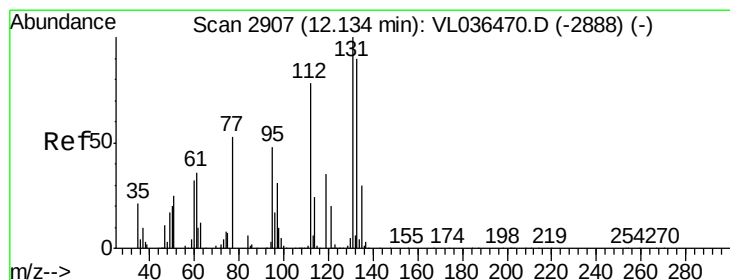
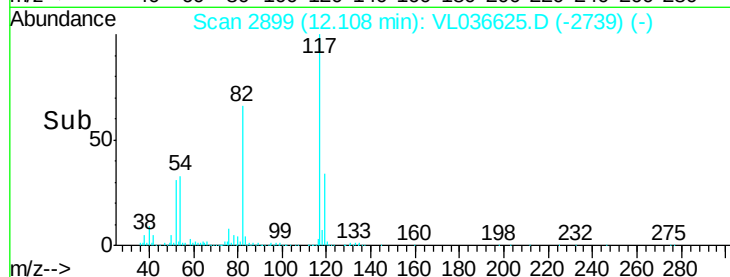
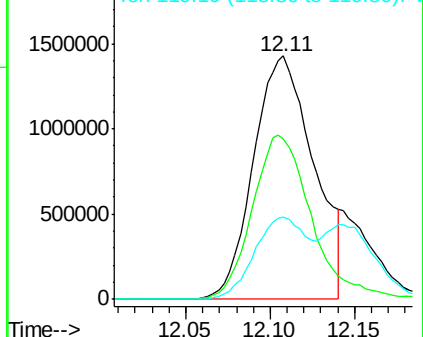
MMDadoda
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.034 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

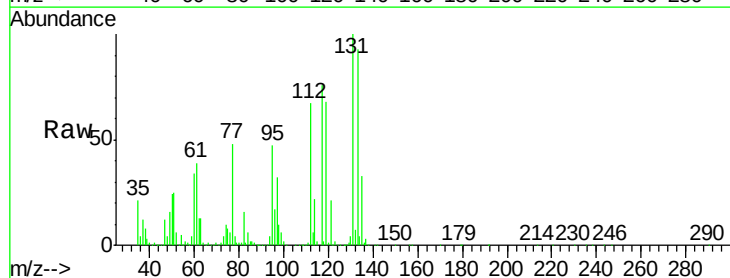
Tgt Ion:131 Resp: 1447639

Ion Ratio Lower Upper

131 100

133 96.1 75.8 113.6

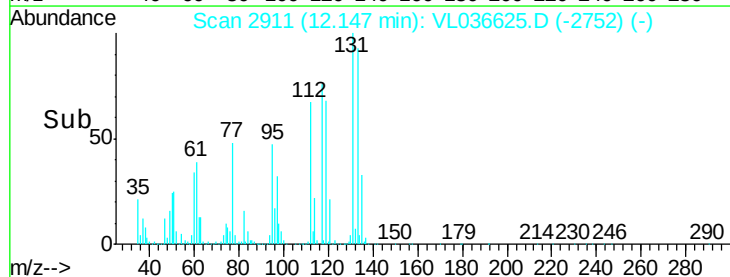
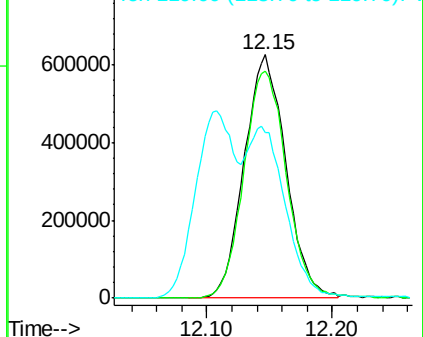
119 60.7 48.7 73.1

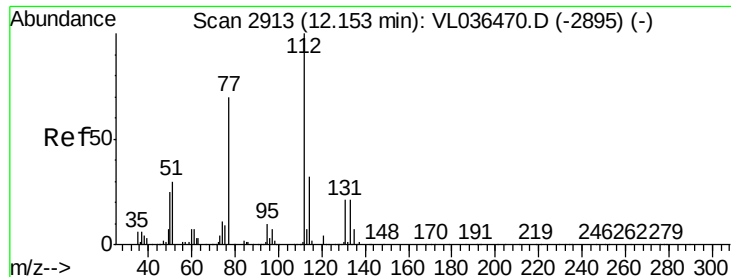


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





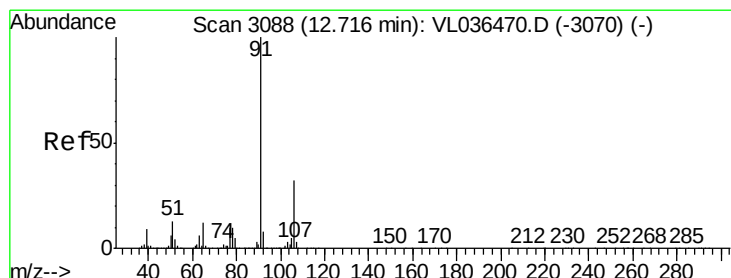
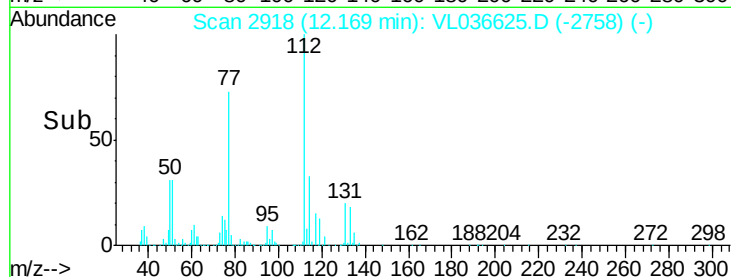
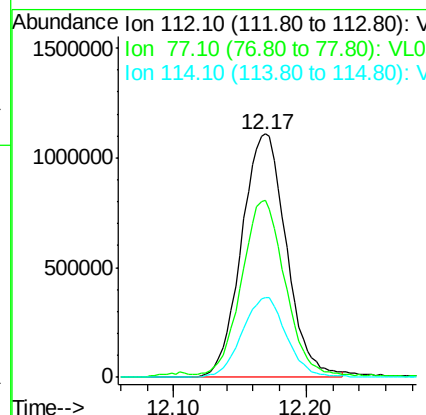
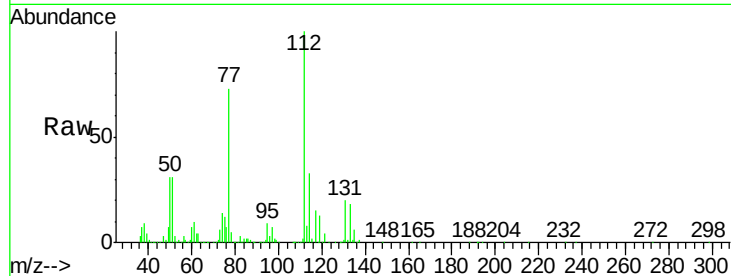
#57
Chlorobenzene
Concen: 8.625 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.02 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	71.3	56.0	84.0
114	32.5	29.0	35.4

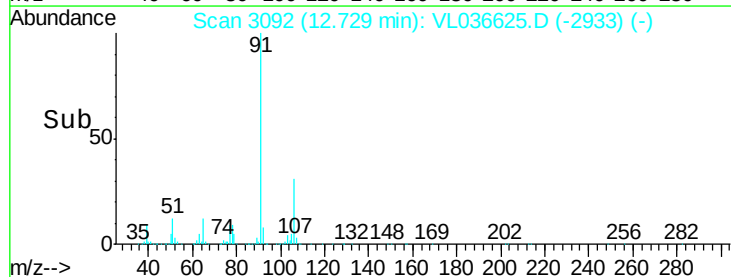
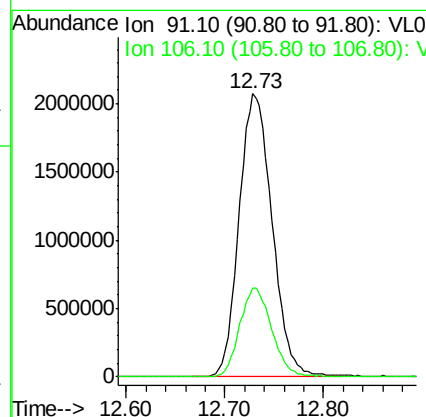
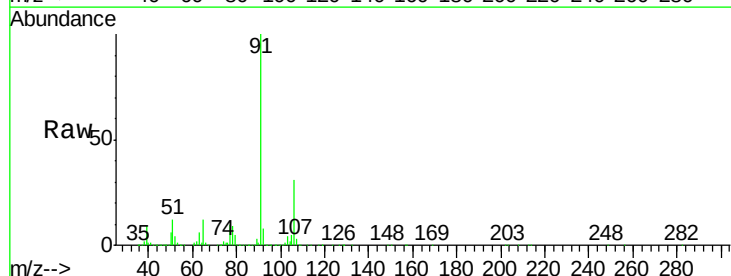
Manual Integrations
APPROVED

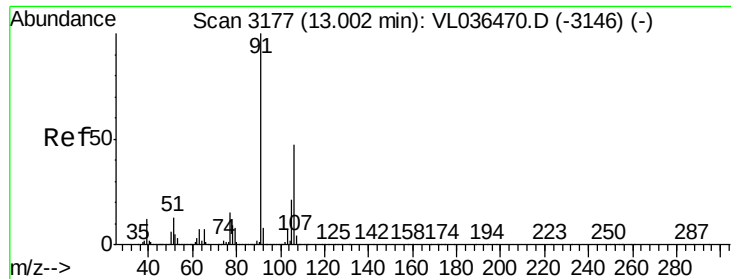
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#58
Ethyl Benzene
Concen: 9.355 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.3	37.9





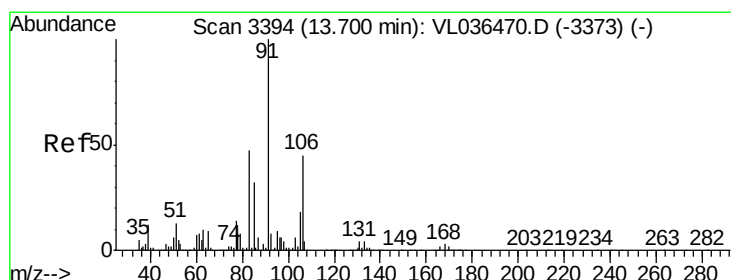
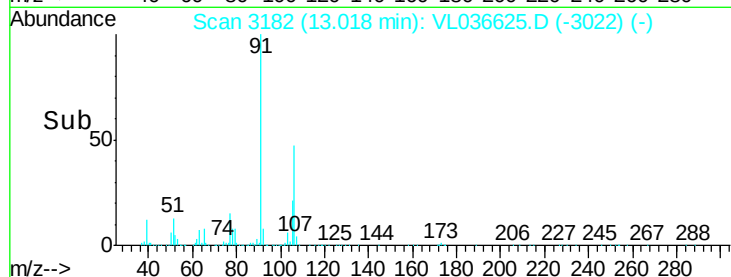
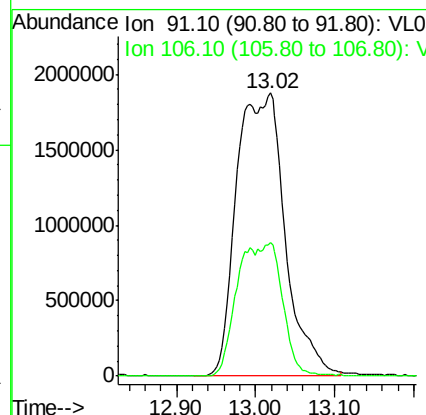
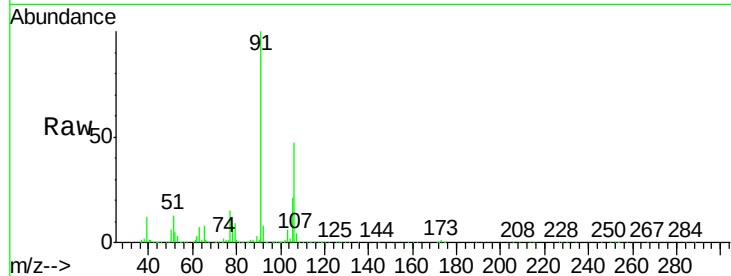
#59
m/p-Xylene
Concen: 17.998 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. 0.02 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8091329
Ion Ratio Lower Upper
91 100
106 44.0 35.3 52.9

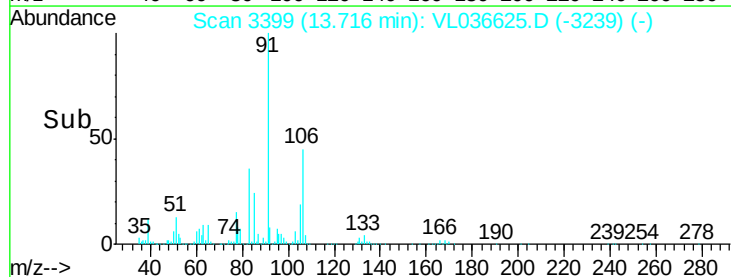
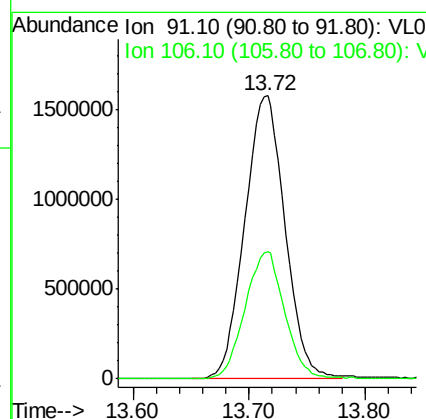
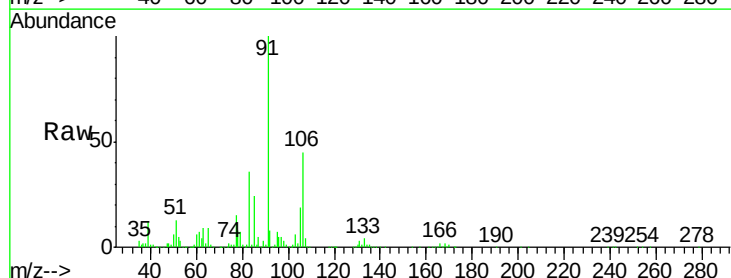
Manual Integrations
APPROVED

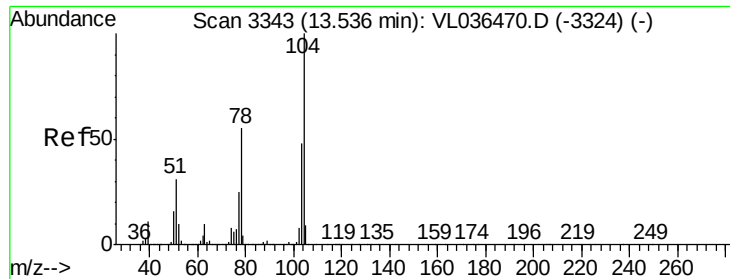
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#60
o-Xylene
Concen: 8.744 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.02 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion: 91 Resp: 3800986
Ion Ratio Lower Upper
91 100
106 44.5 22.3 66.9





#61

Stvrene

Concen: 10.329 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 2258787

Ion Ratio Lower Upper

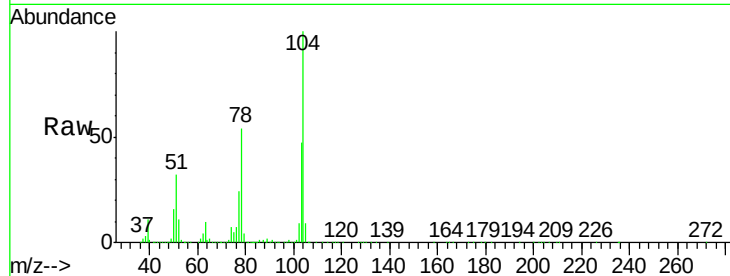
104 100

78 54.2 43.8 65.8

103 47.6 38.3 57.5

Manual Integrations
APPROVED

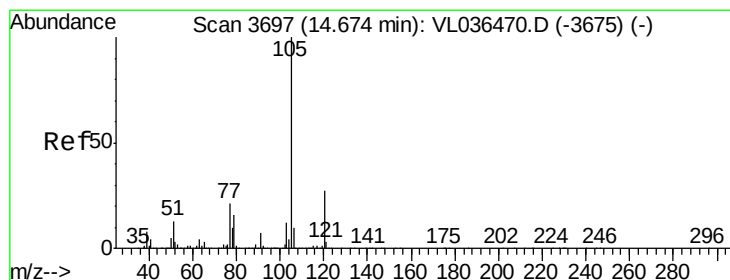
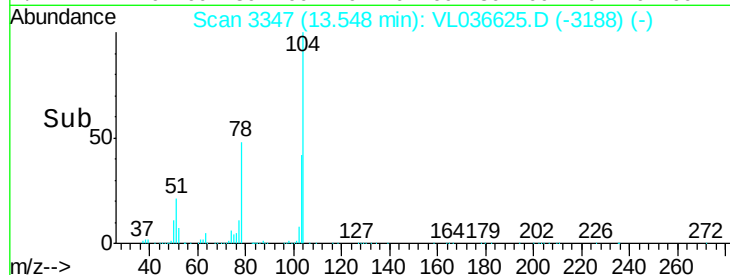
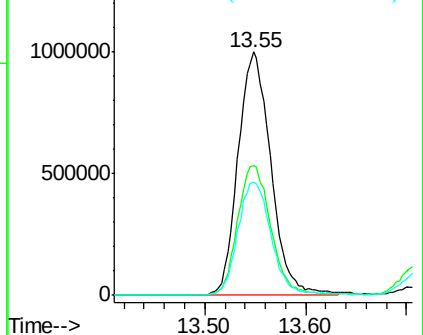
MMDadoda
4/2/2021 6:54:55 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.761 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.02 min

Lab File: VL036625.D

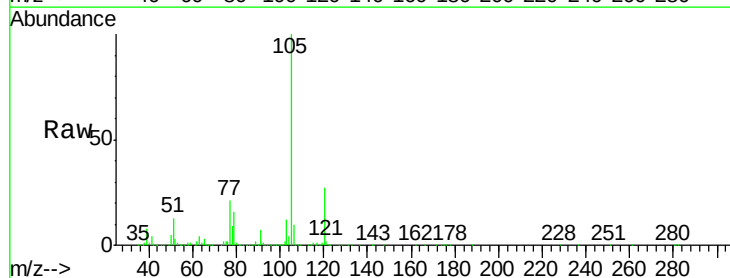
Acq: 1 Apr 2021 6:55

Tgt Ion:105 Resp: 5128418

Ion Ratio Lower Upper

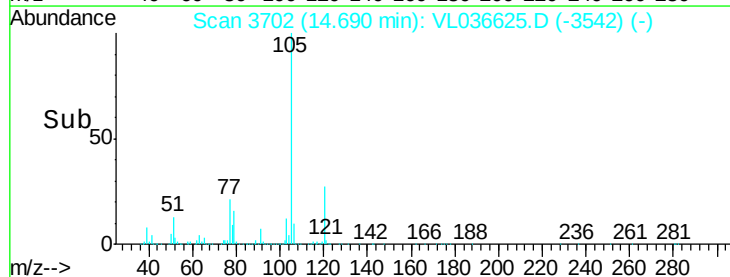
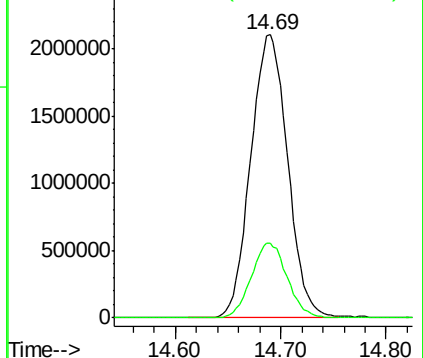
105 100

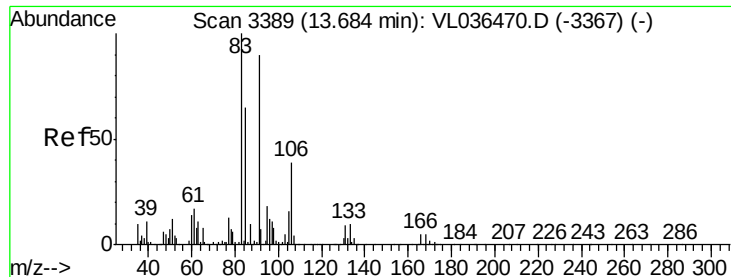
120 25.9 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





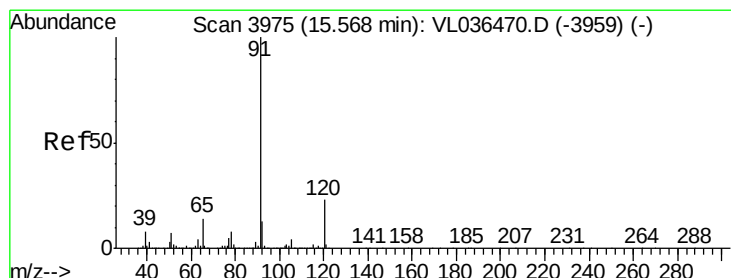
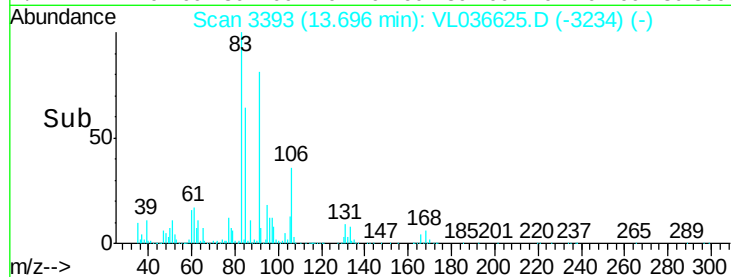
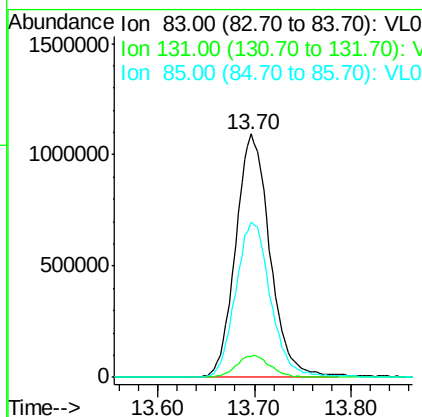
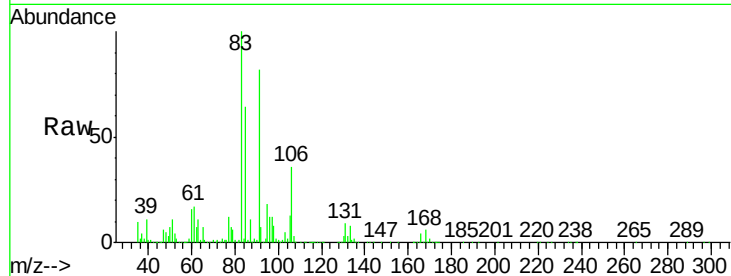
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.120 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	2692419
Ion Ratio	100	Lower	Upper
83	100		
131	9.1	4.7	14.0
85	65.2	33.1	99.3

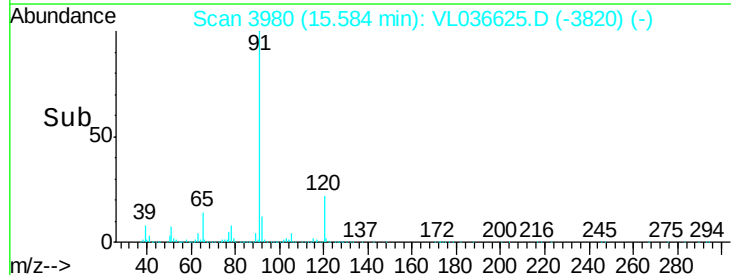
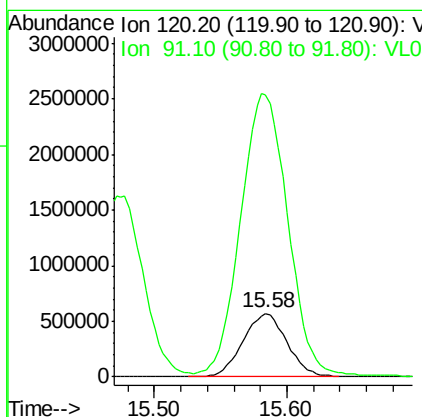
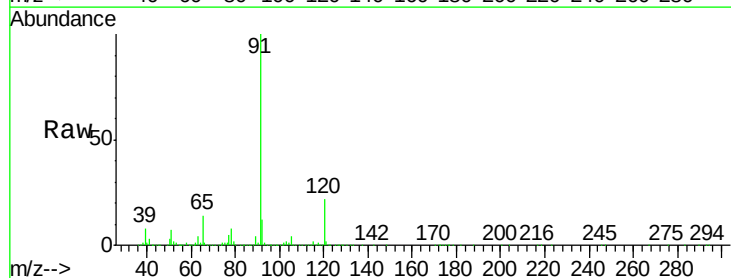
Manual Integrations
 APPROVED

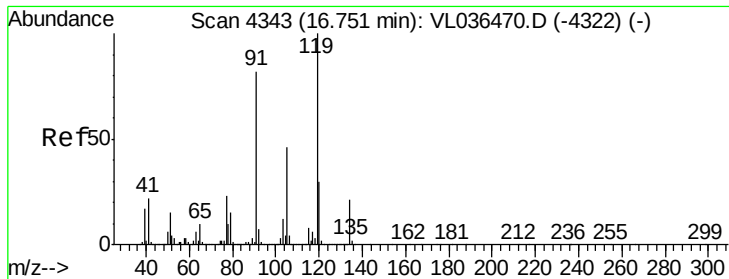
MMDadoda
 4/2/2021 6:54:55 PM



#64
 n-propylbenzene
 Concen: 9.175 ppbv
 RT: 15.58 min Scan# 3980
 Delta R.T. 0.02 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Tgt Ion	120	Resp	1313141
Ion Ratio	100	Lower	Upper
120	100		
91	482.7	377.4	566.2





#65

tert-Butylbenzene

Concen: 8.621 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.02 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

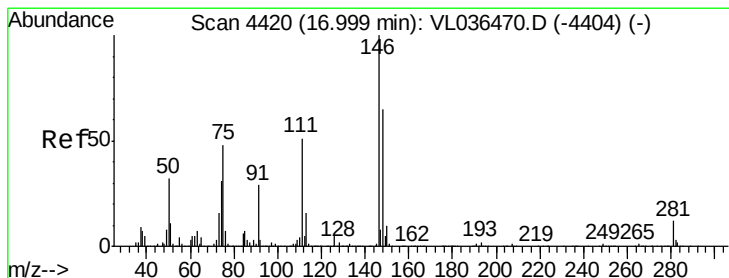
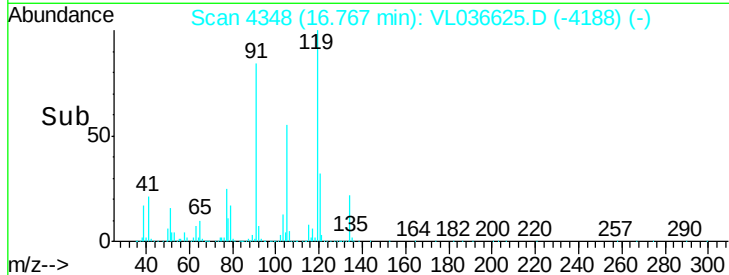
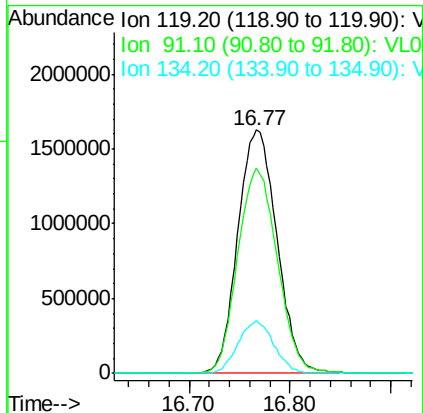
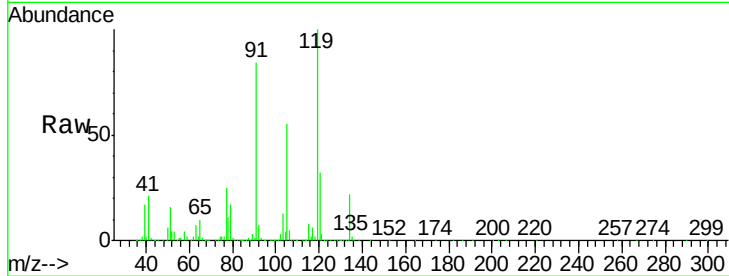
VSTDCCC010

Tot Ion:119 Resp: 4375840

Ion	Ratio	Lower	Upper
119	100		
91	85.8	67.5	101.3
134	19.9	15.8	23.8

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#66

Benzyl Chloride

Concen: 10.758 ppbv

RT: 17.01 min Scan# 4423

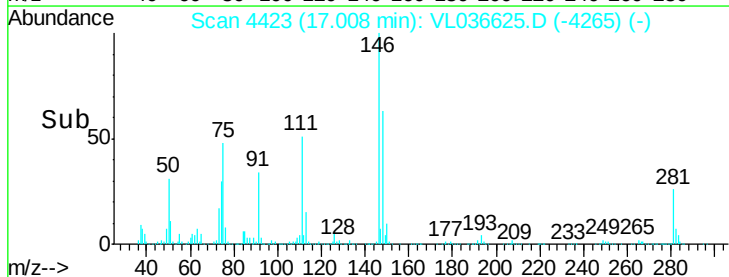
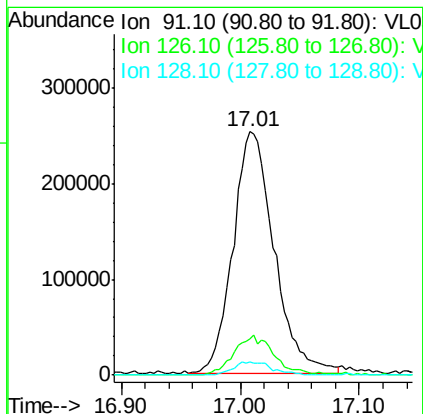
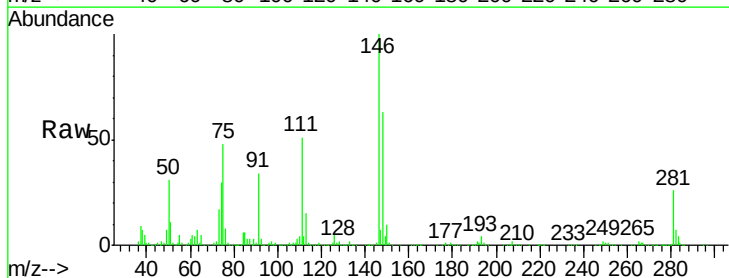
Delta R.T. 0.01 min

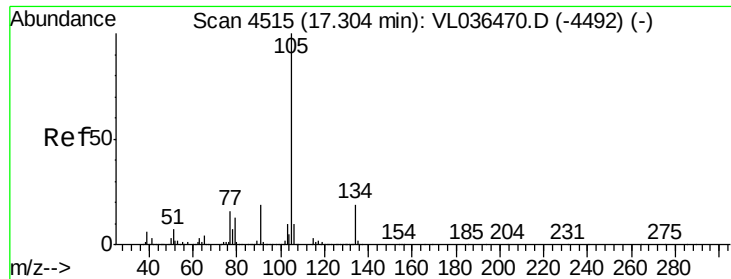
Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Tgt Ion: 91 Resp: 603602

Ion	Ratio	Lower	Upper
91	100		
126	16.0	13.5	20.3
128	5.4	4.2	6.4





#67

sec-Butylbenzene

Concen: 8.592 ppbv

RT: 17.31 min Scan# 4518

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 6155774

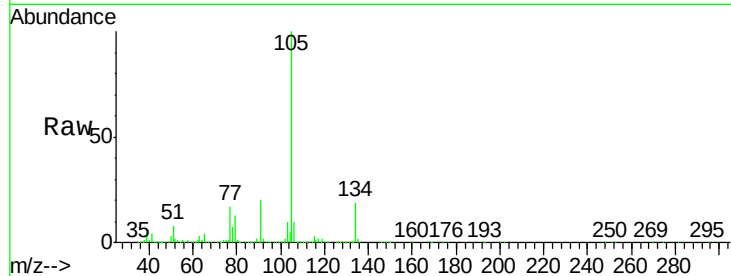
Ion Ratio Lower Upper

105 100

134 18.3 14.7 22.1

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4/2/2021 6:54:55 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.31

2500000

2000000

1500000

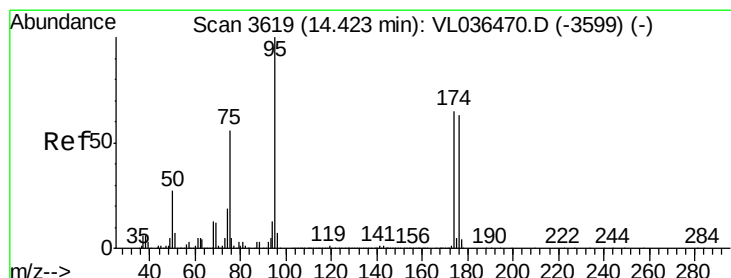
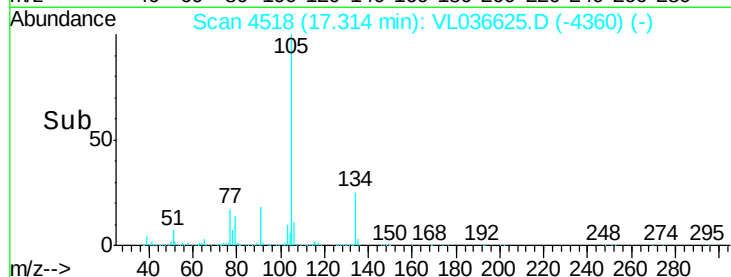
1000000

500000

0

Time-->

17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 10.056 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

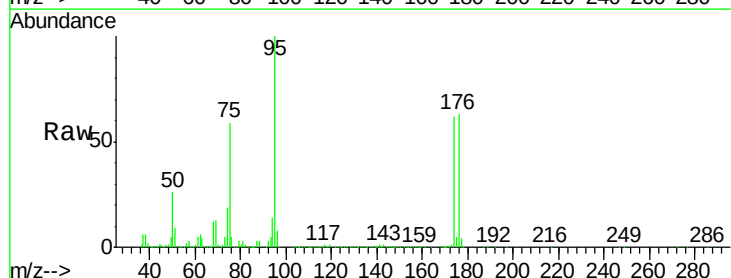
Tgt Ion: 95 Resp: 2839302

Ion Ratio Lower Upper

95 100

174 61.5 51.0 76.6

175 4.7 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.44

1500000

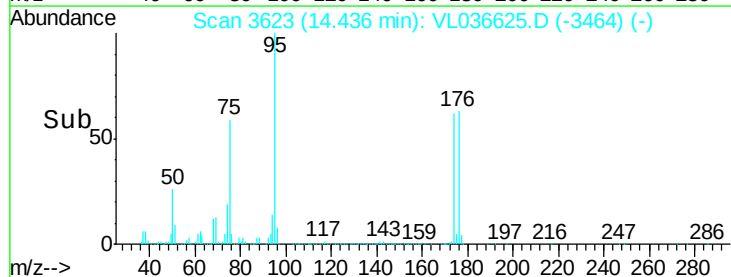
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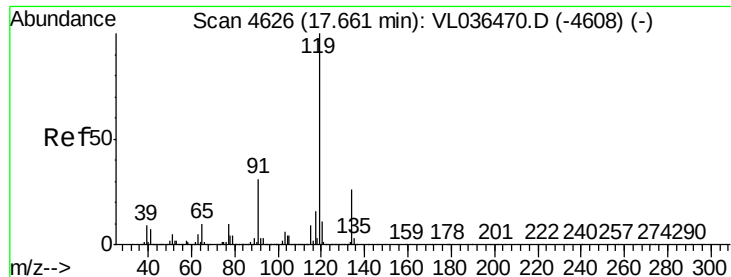
500000

0

Time-->

14.30 14.40 14.50





#69

p-Isopropyltoluene

Concen: 9.075 ppbv

RT: 17.67 min Scan# 4630

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 119 Resp: 5077474

Ion Ratio Lower Upper

119 100

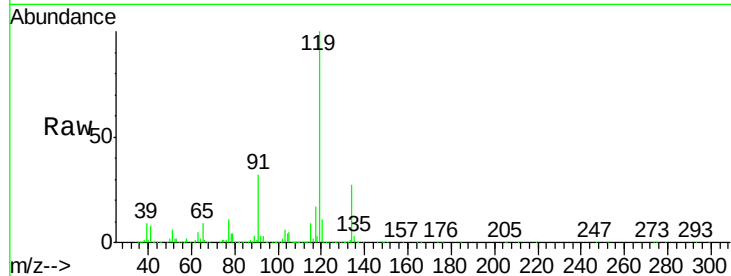
134 25.8 20.6 30.8

91 31.5 25.0 37.6

Manual Integrations
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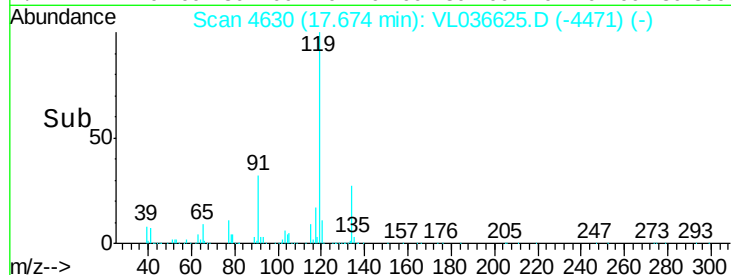


Abundance Ion 119.10 (118.80 to 119.80): V

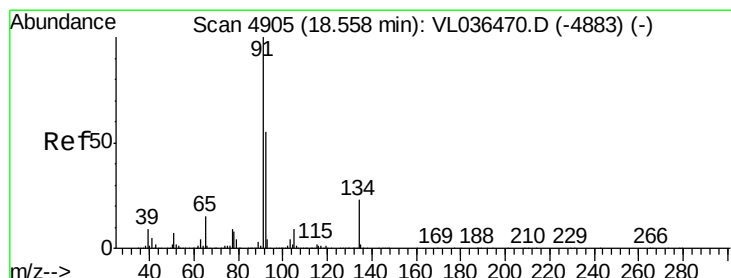
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V

Time-->



Time-->



#70

n-Butylbenzene

Concen: 9.214 ppbv

RT: 18.57 min Scan# 4910

Delta R.T. 0.02 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

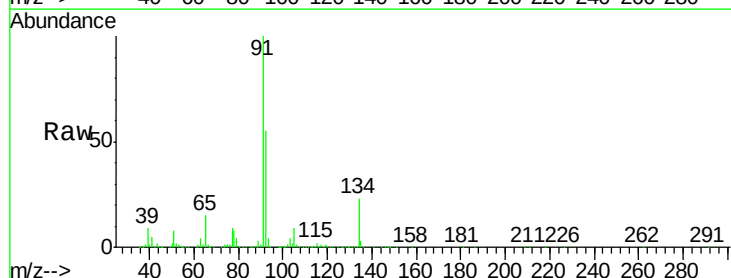
Tgt Ion: 91 Resp: 5345131

Ion Ratio Lower Upper

91 100

92 54.4 43.8 65.8

134 22.2 18.0 27.0

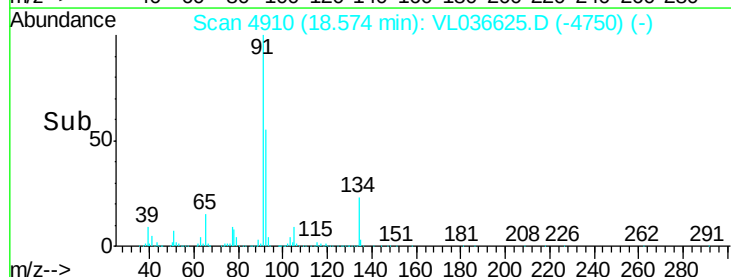


Abundance Ion 91.10 (90.80 to 91.80): VL0

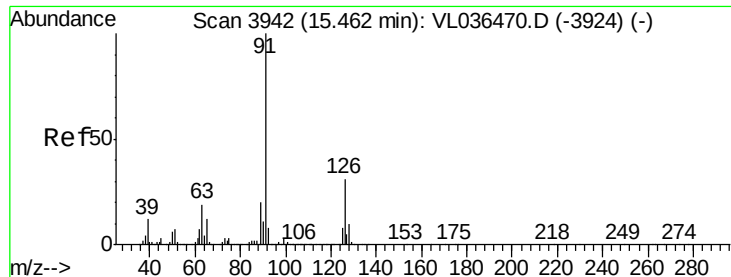
Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

Time-->



Time-->



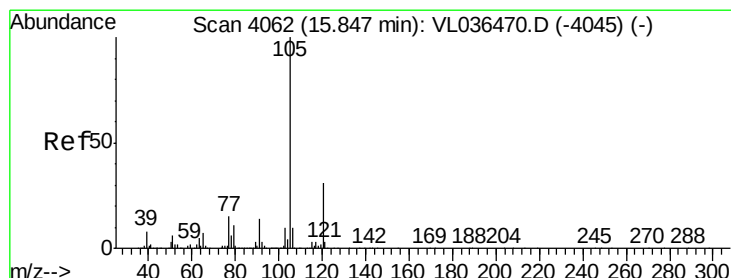
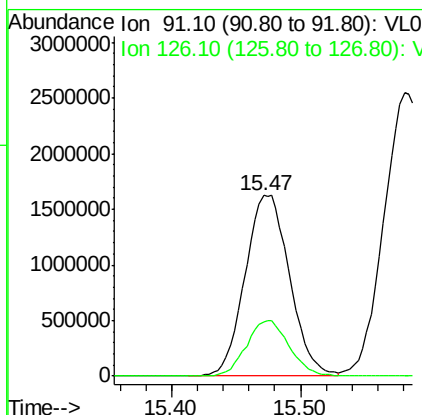
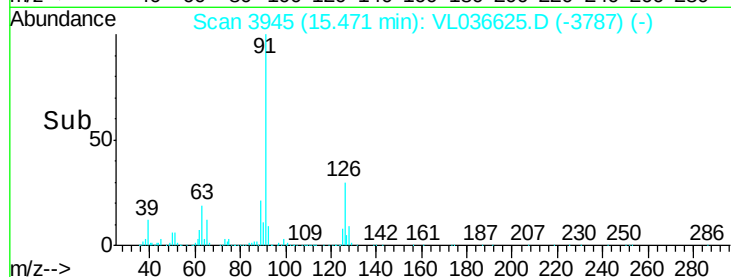
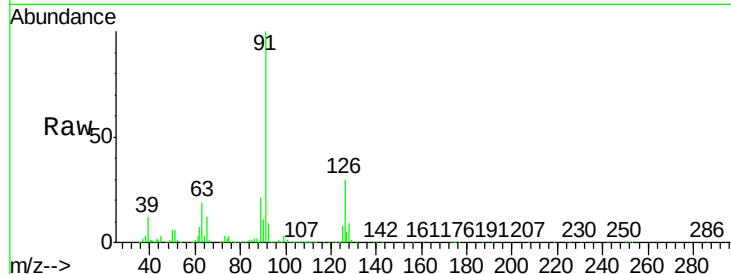
#71
 2-Chlorotoluene
 Concen: 8.916 ppbv
 RT: 15.47 min Scan# 3945
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 3911036
 Ion Ratio Lower Upper
 91 100
 126 29.9 12.1 48.5

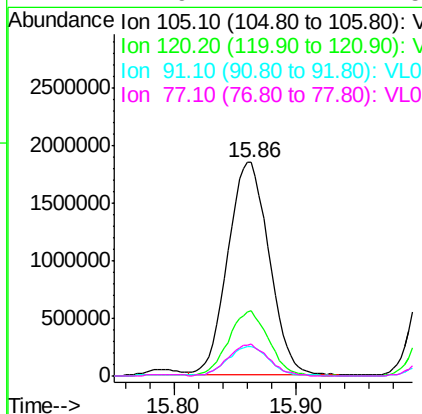
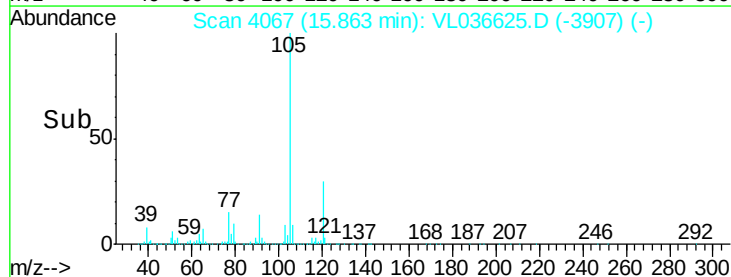
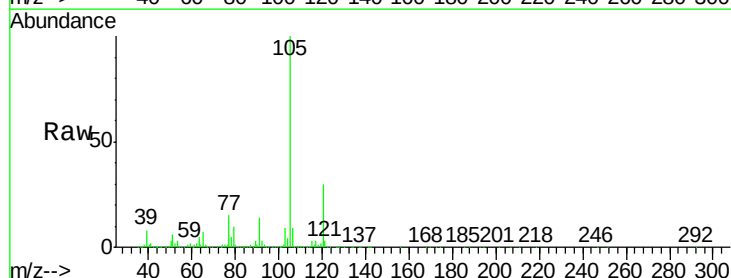
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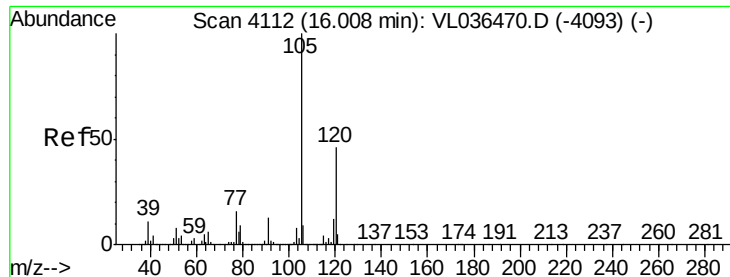
MMDadoda
 4/2/2021 6:54:55 PM



#72
 4-Ethyltoluene
 Concen: 9.103 ppbv
 RT: 15.86 min Scan# 4067
 Delta R.T. 0.02 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Tgt Ion: 105 Resp: 4336057
 Ion Ratio Lower Upper
 105 100
 120 30.0 24.0 36.0
 91 15.1 11.0 16.4
 77 14.9 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 8.954 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 3980499

Ion Ratio Lower Upper

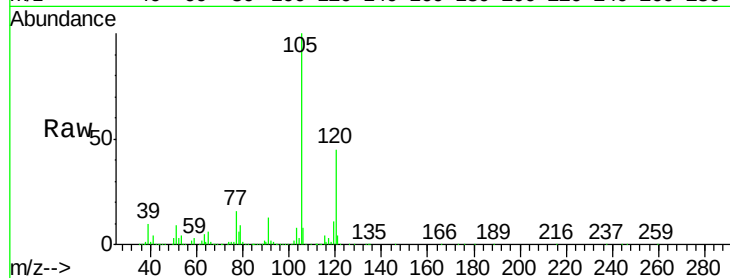
105 100

120 44.9 36.6 54.8

Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

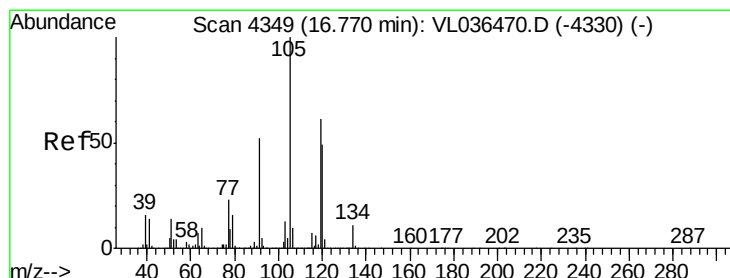
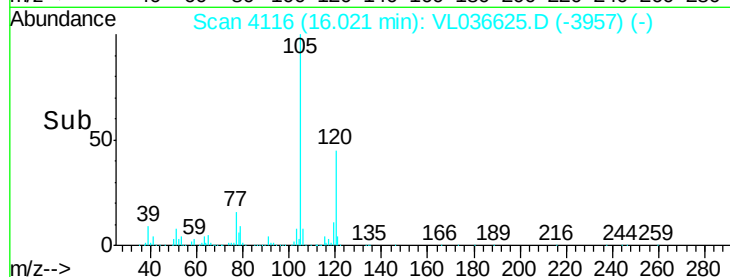
500000

0

16.02

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.529 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Tgt Ion:105 Resp: 4057796

Ion Ratio Lower Upper

105 100

120 47.4 39.2 58.8

91 56.5 42.6 64.0

77 25.1 18.6 28.0

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

2500000

2000000

1500000

1000000

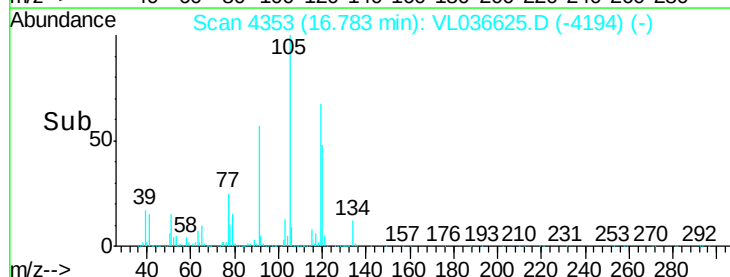
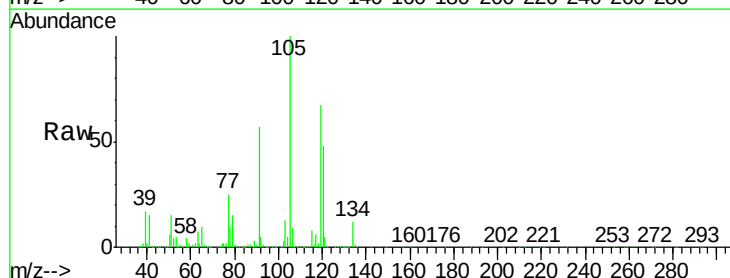
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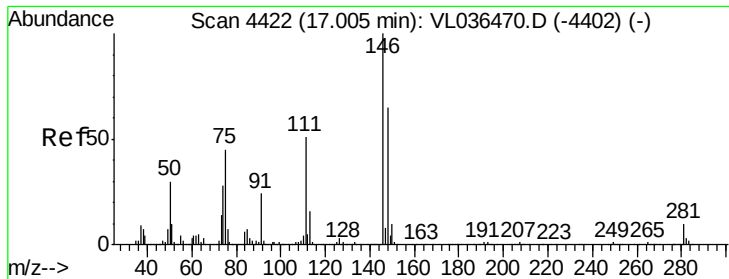
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16.78

16.80

Time-->





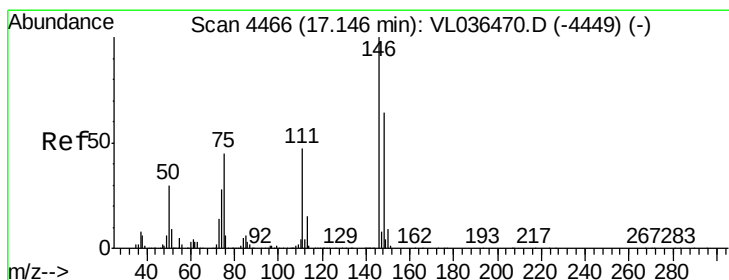
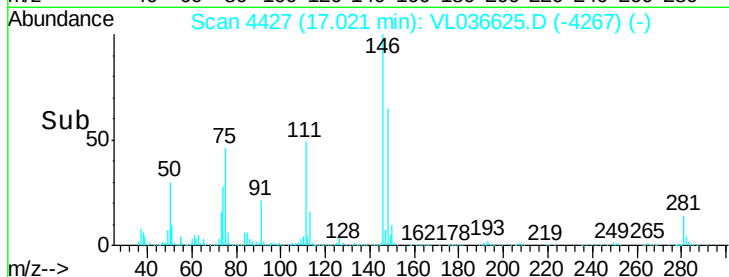
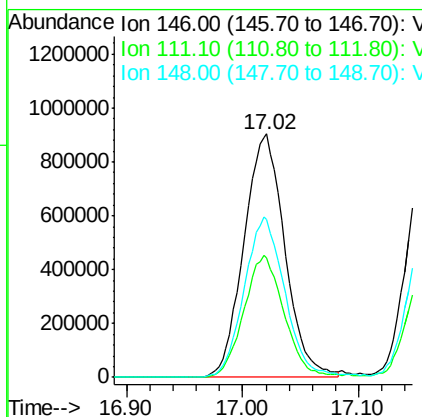
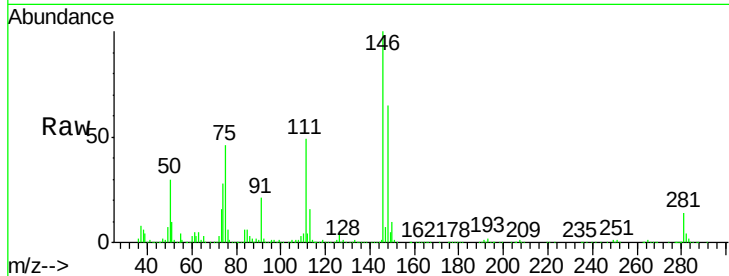
#75
 1,3-Dichlorobenzene
 Concen: 8.291 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. 0.02 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.5	24.5	73.5
148	65.3	32.3	96.9

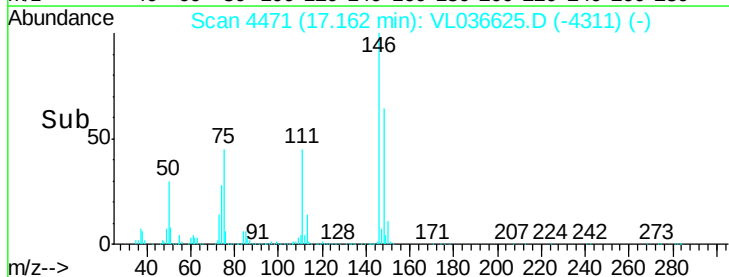
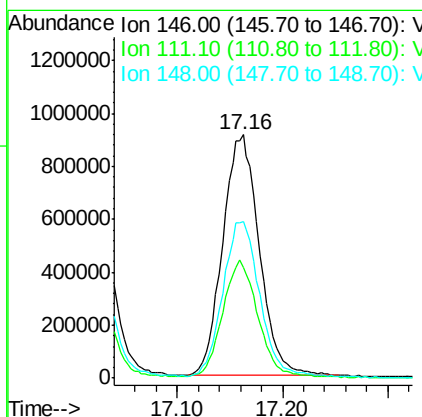
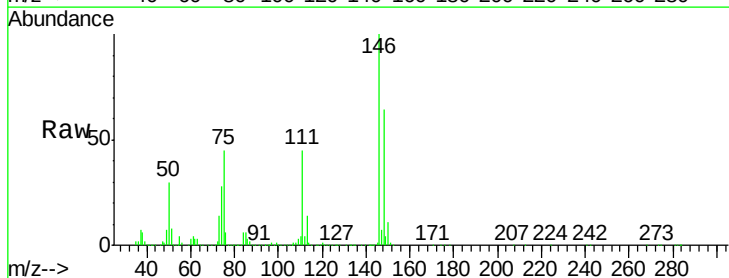
Manual Integrations
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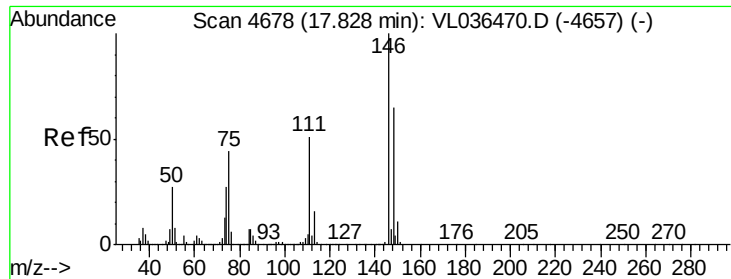
MMDadoda
 4/2/2021 6:54:55 PM



#76
 1,4-Dichlorobenzene
 Concen: 8.194 ppbv
 RT: 17.16 min Scan# 4471
 Delta R.T. 0.02 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	24.3	72.8
148	67.0	33.0	98.9





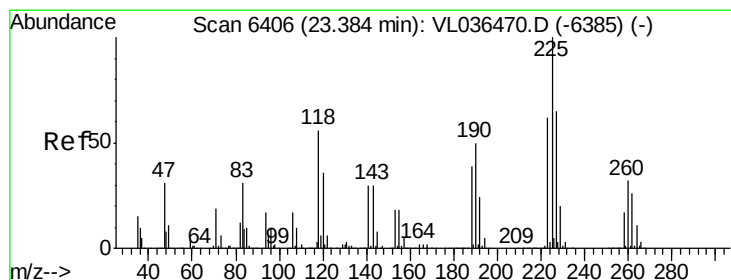
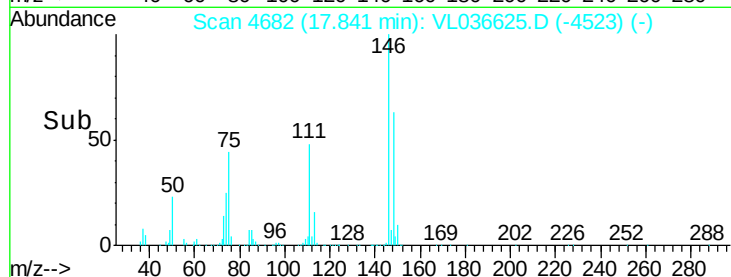
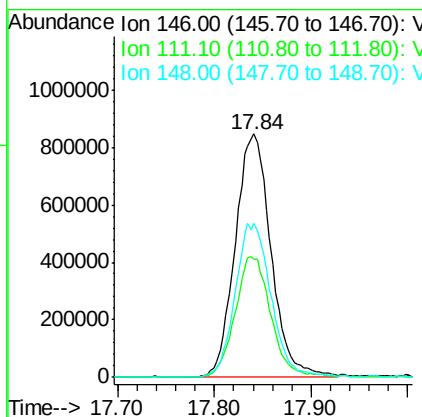
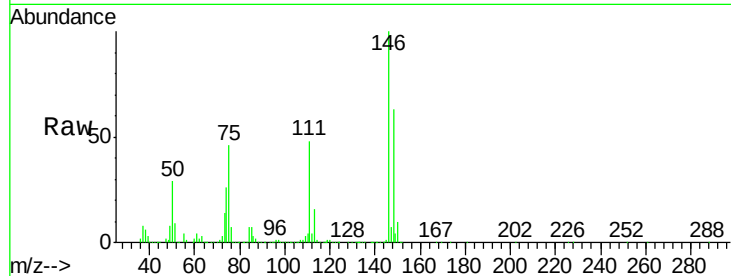
#77
 1,2-Dichlorobenzene
 Concen: 8.636 ppbv
 RT: 17.84 min Scan# 4682
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 2173690
 Ion Ratio Lower Upper
 146 100
 111 49.8 25.5 76.5
 148 63.6 32.9 98.6

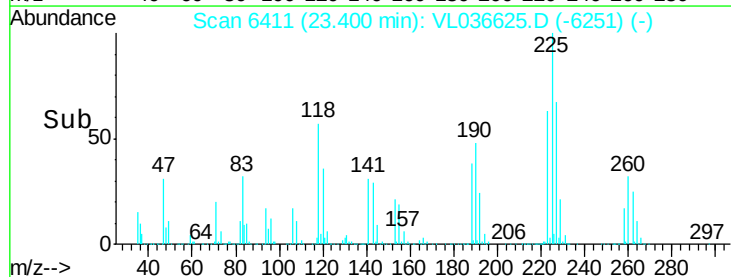
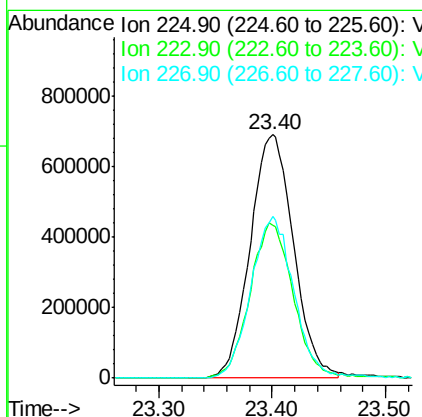
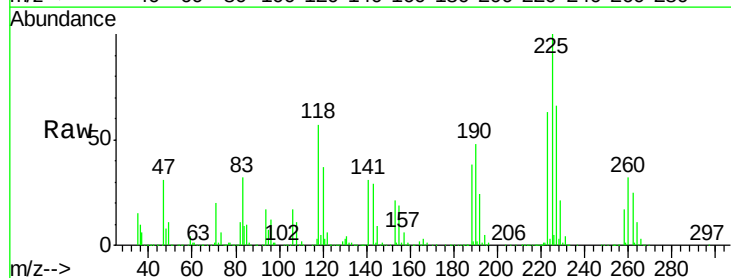
Manual Integrations
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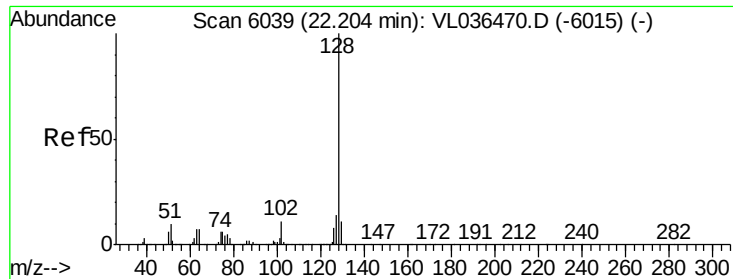
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 4/2/2021 6:54:55 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.154 ppbv
 RT: 23.40 min Scan# 6411
 Delta R.T. 0.02 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Tgt Ion:225 Resp: 1838218
 Ion Ratio Lower Upper
 225 100
 223 64.4 50.6 75.8
 227 66.4 52.2 78.2





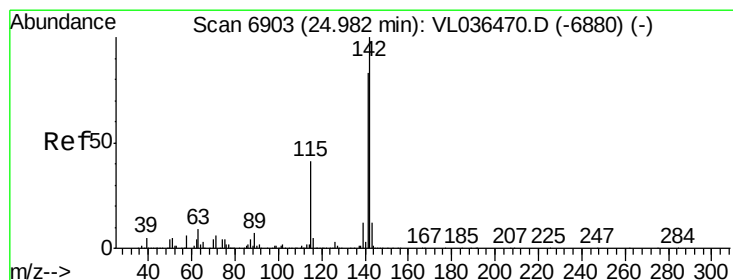
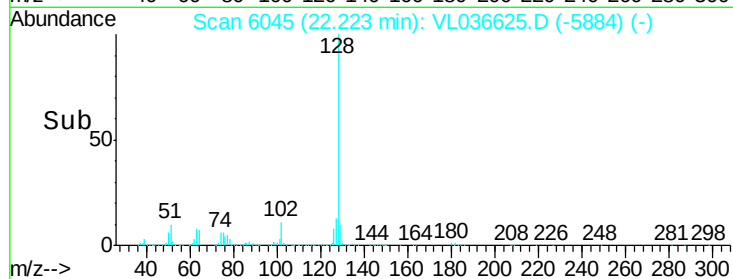
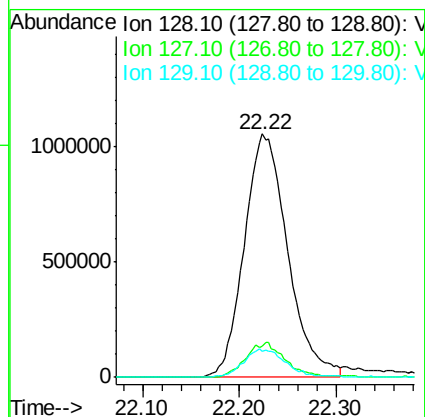
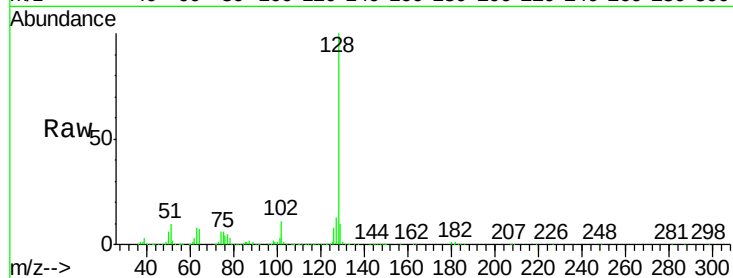
#79
Naphthalene
Concen: 11.879 ppbv
RT: 22.22 min Scan# 6045
Delta R.T. 0.02 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot	Ion:128	Resp: 3297729	
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.9	16.3
129	10.5	9.0	13.4

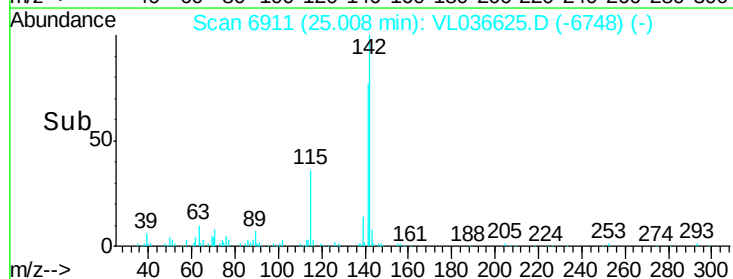
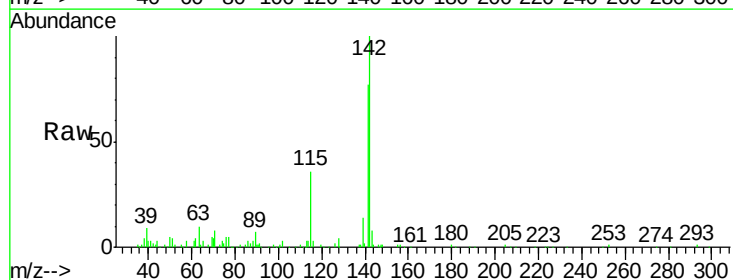
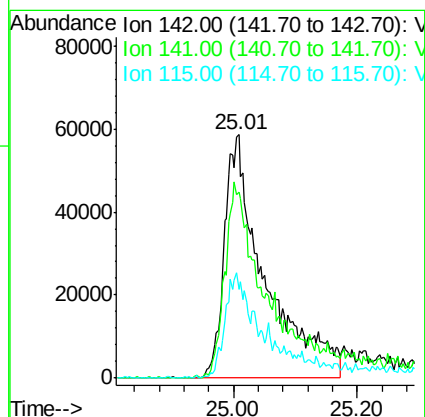
Manual Integrations
APPROVED

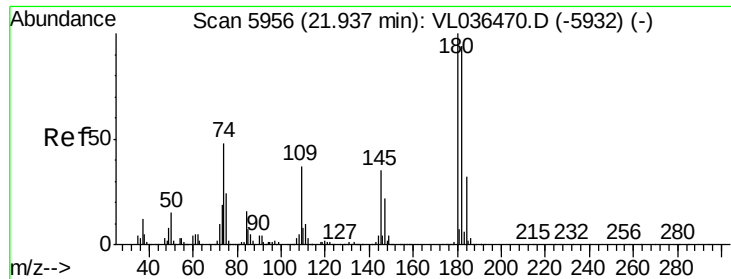
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4/2/2021 6:54:55 PM



#80
Naphthalene, 2-methyl-
Concen: 4.895 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. 0.03 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt	Ion:142	Resp:	267965
Ion	Ratio	Lower	Upper
142	100		
141	84.0	67.8	101.8
115	44.6	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 10.396 ppbv
 RT: 21.95 min Scan# 5961
 Delta R.T. 0.02 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.1	80.8	121.2
184	32.1	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:54:55 PM

