

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040621\
 Data File : VL036724.D
 Acq On : 7 Apr 2021 11:02
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:12:26 AM

Quant Time: Apr 08 01:54:32 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	5.66	49	1225841	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3100160	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2870238m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2434997	10.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1894935	9.478 ppbv	97
3) Chlorodifluoromethane	2.98	51	2350428	10.262 ppbv	100
4) Chloromethane	3.14	50	765027	9.457 ppbv	97
5) Vinyl Chloride	3.26	62	743416	8.937 ppbv	96
6) Bromomethane	3.47	94	402985	8.799 ppbv	95
7) Chloroethane	3.55	64	263273	9.211 ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	1814533	9.509 ppbv	98
9) Propene	3.01	41	700205	9.590 ppbv	99
10) Heptane	8.12	43	1839069	9.887 ppbv	99
11) Trichlorofluoromethane	3.94	101	1836817	9.015 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1202541	9.231 ppbv	99
13) Ethanol	3.60	45	81637m	9.389 ppbv	
14) Bromoethene	3.74	108	493351	9.109 ppbv	99
15) Acetone	3.85	43	1065633	8.832 ppbv	99
16) 1,3-Butadiene	3.32	39	808842	9.629 ppbv	96
17) tert-Butyl alcohol	4.29	59	1060540	10.098 ppbv	100
18) 1,1-Dichloroethene	4.29	96	520913	8.989 ppbv	99
19) Isopropyl Alcohol	3.96	45	602488	9.078 ppbv	# 97
20) Methylene Chloride	4.34	84	438804	7.768 ppbv	97
21) Allyl Chloride	4.41	41	812580	8.449 ppbv	95
22) trans-1,2-Dichloroethene	4.88	96	514929	9.585 ppbv	97
23) Vinyl Acetate	5.07	43	1955098	9.473 ppbv	99
24) 1,1-Dichloroethane	5.01	63	1386117	9.214 ppbv	98
25) Ethyl Acetate	5.68	43	2722662	9.492 ppbv	99
26) Hexane	5.68	57	1319444	9.912 ppbv	97
27) Carbon Disulfide	4.55	76	1236150	9.427 ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1419252	9.041 ppbv	97
29) Chloroform	5.75	83	2087337	9.805 ppbv	98
30) Cyclohexane	7.13	84	1107725	10.261 ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1258868	9.778 ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2094351	9.762 ppbv	99
34) 2-Butanone	5.24	43	1298215	8.579 ppbv	98
35) Carbon Tetrachloride	7.01	117	2161747	9.079 ppbv	98
36) Benzene	6.89	78	2742451	9.592 ppbv	98
37) 1,2-Dichloroethane	6.30	62	1580293	9.391 ppbv	100
38) Trichloroethene	7.83	130	1004159	9.024 ppbv	93
39) 1,2-Dichloropropane	7.61	63	1063820	9.172 ppbv	99
40) 1,4-Dioxane	7.83	88	254538m	9.429 ppbv	
41) Tetrahydrofuran	6.05	42	547043	7.840 ppbv	93
42) Bromodichloromethane	7.79	83	2193850	9.584 ppbv	98
43) Methyl Methacrylate	8.01	69	1020463	10.629 ppbv	98

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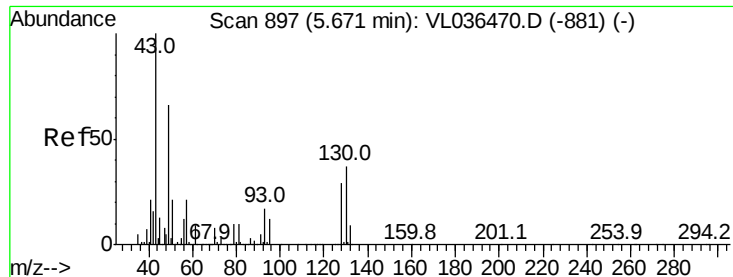
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4840532	9.619	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	979478	8.934	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1267330	9.043	ppbv	96
47) 1,1,2-Trichloroethane	9.47	97	1127747	9.600	ppbv	96
48) Dibromochloromethane	10.30	129	1823828	10.184	ppbv	100
49) Bromoform	13.04	173	1489436	10.322	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	1946766	8.891	ppbv	100
51) 2-Hexanone	10.14	43	1047653	9.481	ppbv #	99
52) Tetrachloroethene	11.22	164	943625	8.963	ppbv	98
53) Toluene	9.81	91	3094745	10.164	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1618120	9.753	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1288808	9.928	ppbv	95
57) Chlorobenzene	12.15	112	2317437	9.489	ppbv	98
58) Ethyl Benzene	12.71	91	4200659	10.060	ppbv	100
59) m/p-Xylene	13.00	91	7122614m	19.556	ppbv	
60) o-Xylene	13.70	91	3355453	9.528	ppbv	99
61) Styrene	13.53	104	1869541	10.552	ppbv	97
62) Isopropylbenzene	14.67	105	4699479	9.909	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2486368	9.255	ppbv	99
64) n-propylbenzene	15.56	120	1223959	10.556	ppbv	99
65) tert-Butylbenzene	16.75	119	4075104	9.909	ppbv	100
66) Benzyl Chloride	17.00	91	308310	6.783	ppbv	100
67) sec-Butylbenzene	17.30	105	5759952	9.923	ppbv	100
69) p-Isopropyltoluene	17.66	119	4736923	10.450	ppbv	99
70) n-Butylbenzene	18.55	91	4892594	10.410	ppbv	99
71) 2-Chlorotoluene	15.46	91	3599232	10.128	ppbv	100
72) 4-Ethyltoluene	15.84	105	4015457	10.406	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3600124	9.996	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	3748847	9.726	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	2211626	10.194	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2126242	9.871	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2133964	10.464	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1681418	9.206	ppbv	99
79) Naphthalene	22.21	128	2592094	11.525	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	478964	10.799	ppbv	95
81) 1,2,4-Trichlorobenzene	21.93	180	1599311m	11.517	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1225841

Ion Ratio Lower Upper

49 100

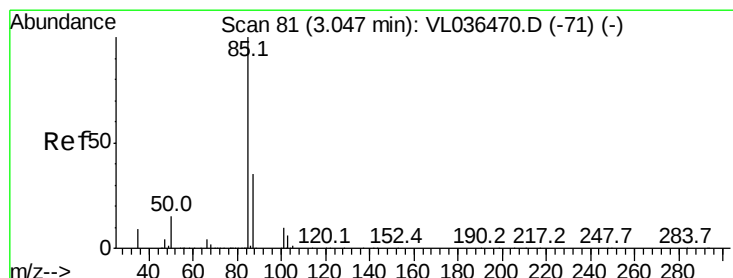
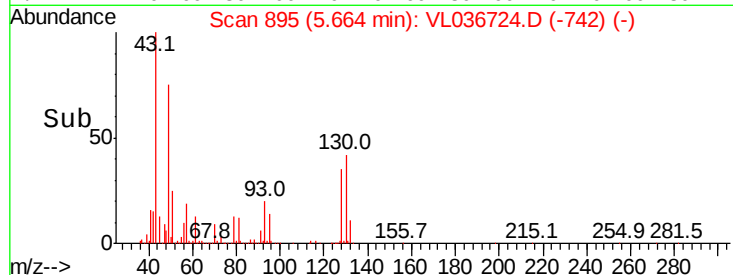
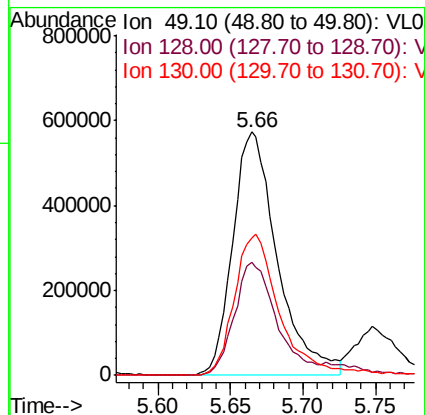
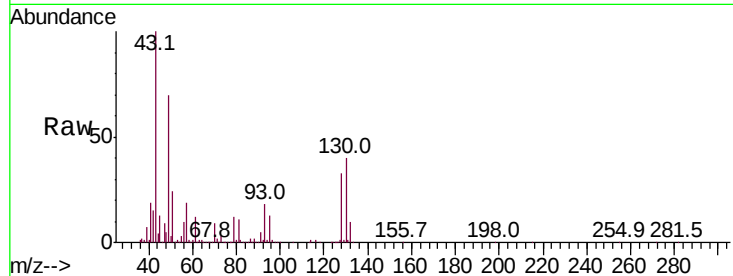
128 49.3 23.5 70.6

130 59.2 29.1 87.4

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#2

Dichlorodifluoromethane

Concen: 9.478 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL036724.D

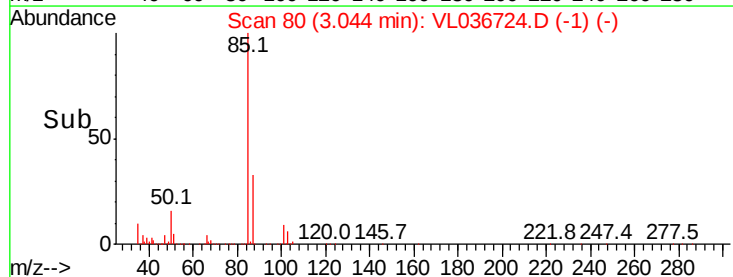
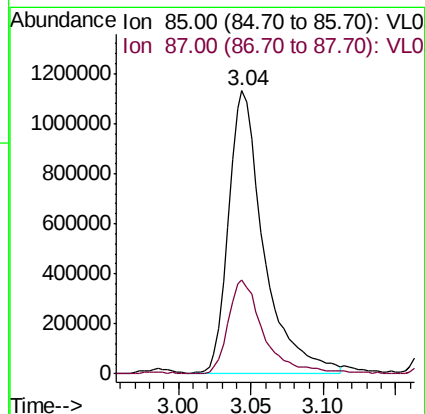
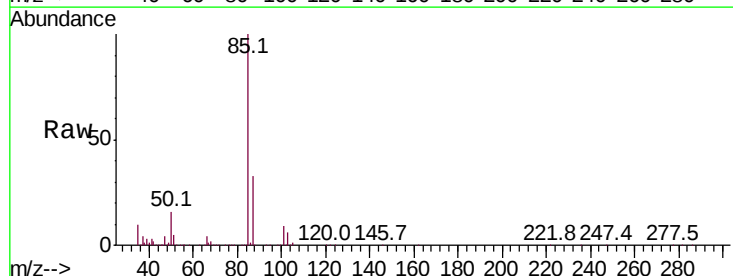
Acq: 7 Apr 2021 11:02

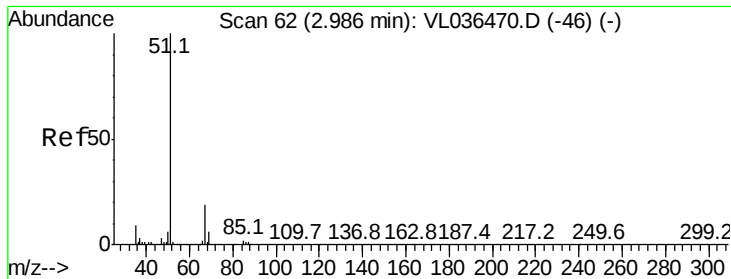
Tgt Ion: 85 Resp: 1894935

Ion Ratio Lower Upper

85 100

87 33.3 27.8 41.8





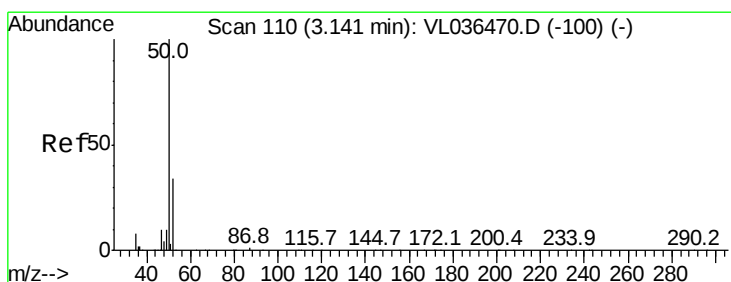
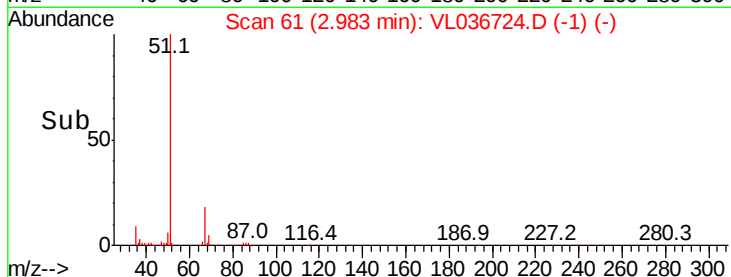
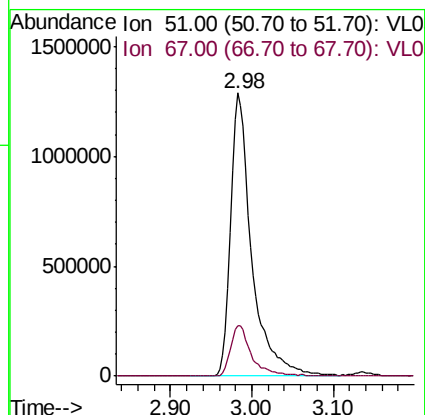
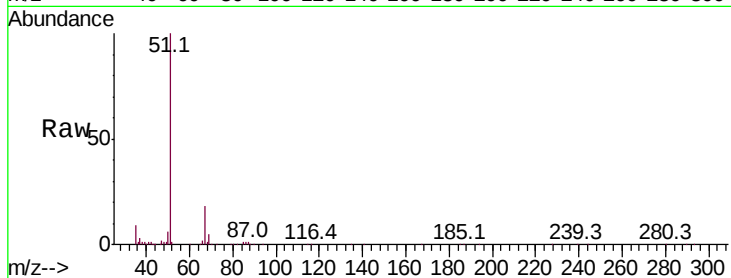
#3
Chlorodifluoromethane
Concen: 10.262 ppbv
RT: 2.98 min Scan# 61
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 2350428
Ion Ratio Lower Upper
51 100
67 18.2 14.7 22.1

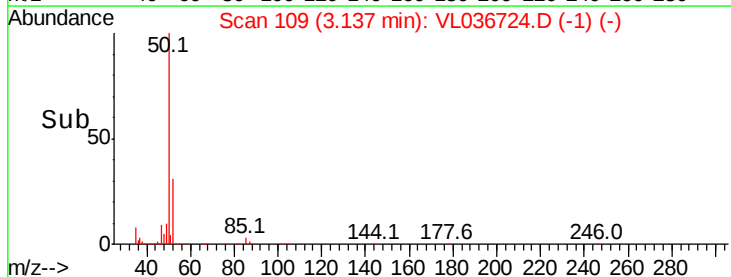
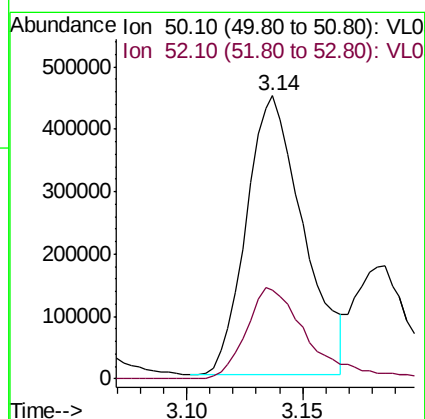
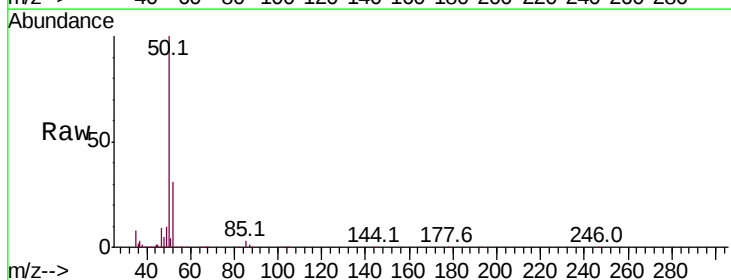
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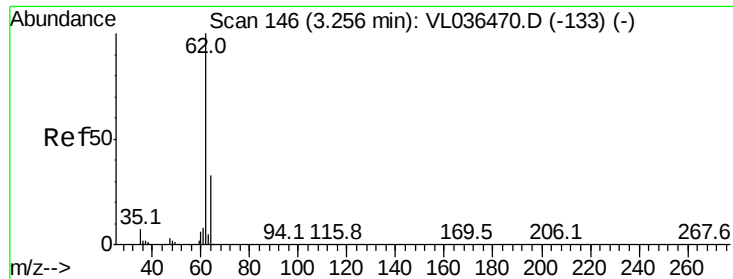
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#4
Chloromethane
Concen: 9.457 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion: 50 Resp: 765027
Ion Ratio Lower Upper
50 100
52 31.9 27.0 40.6





#5

Vinyl Chloride

Concen: 8.937 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 743416

Ion Ratio Lower Upper

62 100

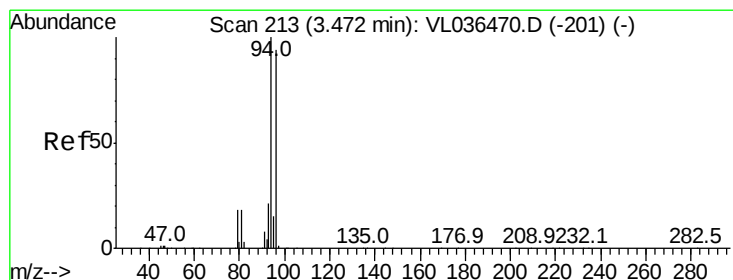
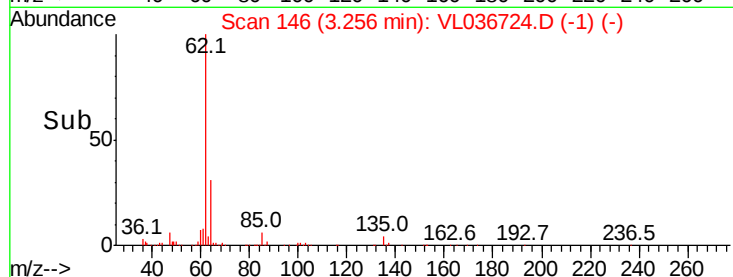
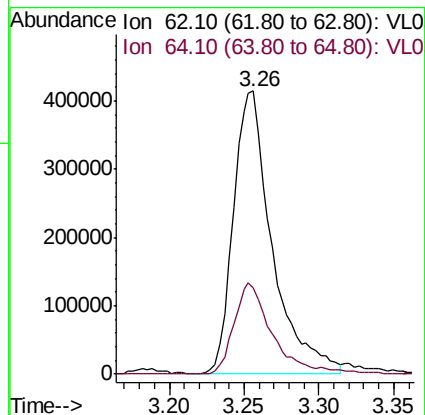
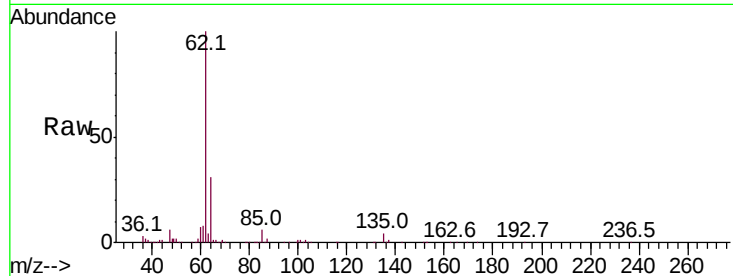
64 30.6 26.4 39.6

Manual Integrations

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#6

Bromomethane

Concen: 8.799 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL036724.D

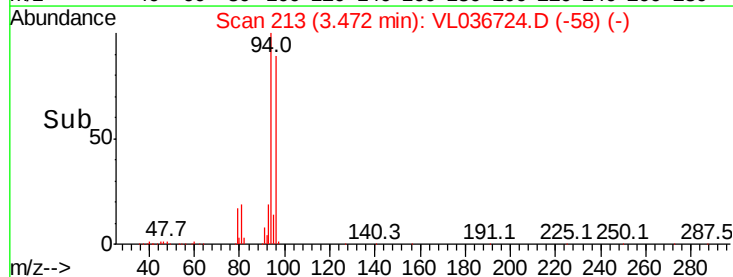
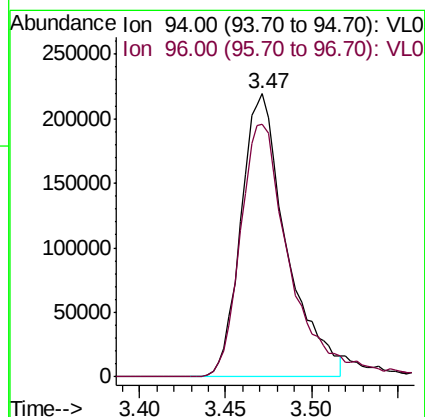
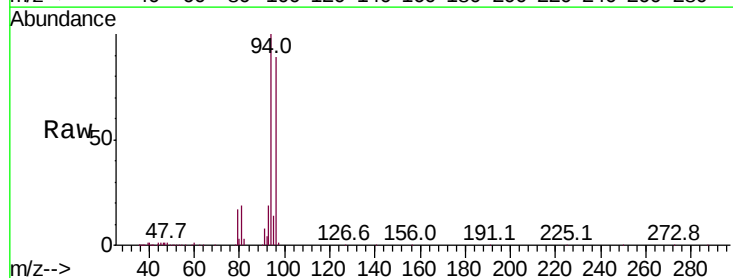
Acq: 7 Apr 2021 11:02

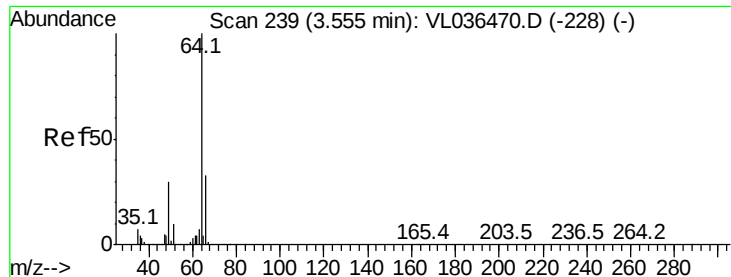
Tgt Ion: 94 Resp: 402985

Ion Ratio Lower Upper

94 100

96 89.3 74.9 112.3





#7

Chloroethane

Concen: 9.211 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

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ClientSampleId :

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Tot Ion: 64 Resp: 263273

Ion Ratio Lower Upper

64 100

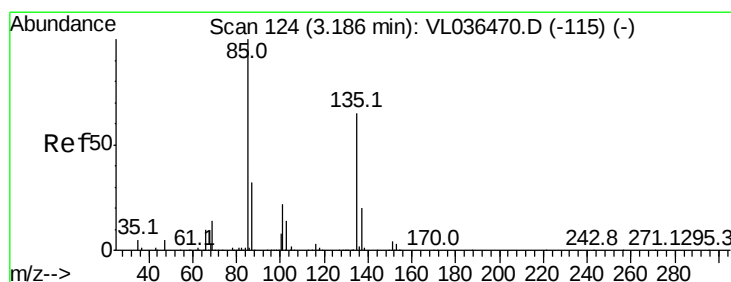
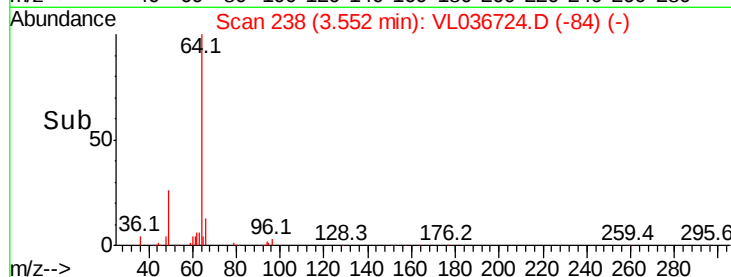
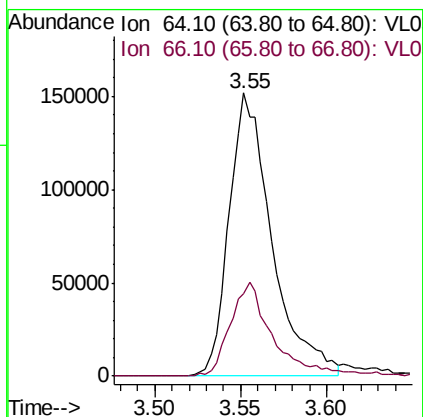
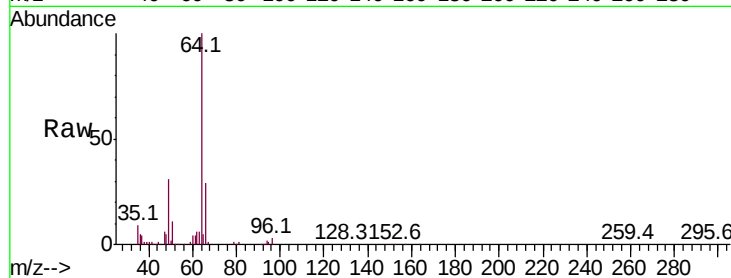
66 29.2 26.2 39.2

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#8

Dichlorotetrafluoroethane

Concen: 9.509 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL036724.D

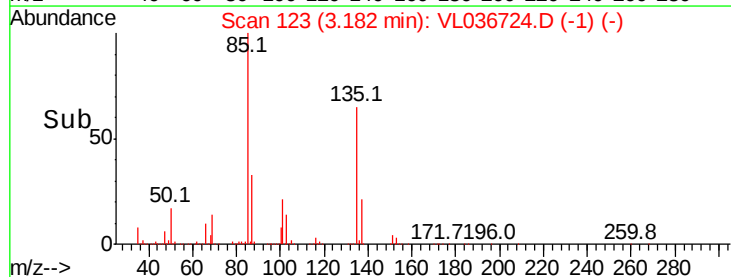
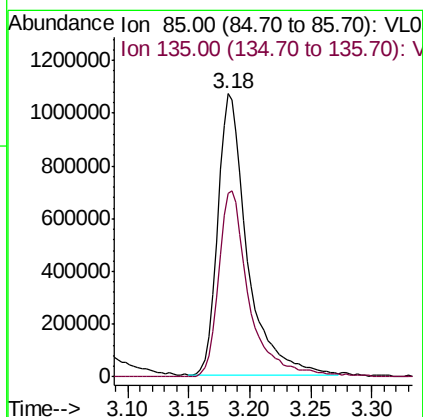
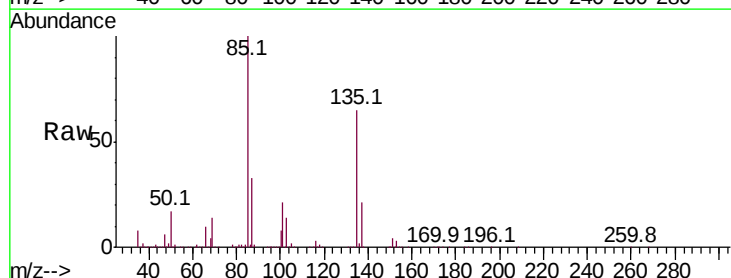
Acq: 7 Apr 2021 11:02

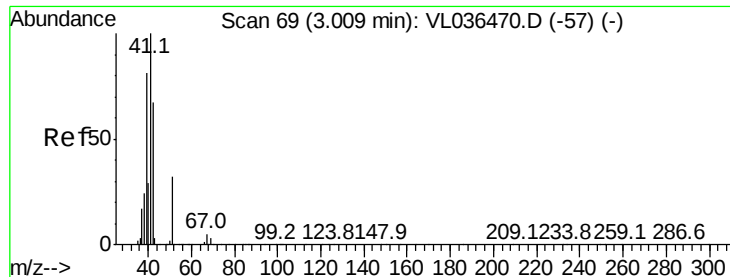
Tgt Ion: 85 Resp: 1814533

Ion Ratio Lower Upper

85 100

135 69.2 54.3 81.5





#9

Propene

Concen: 9.590 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

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Tot Ion: 41 Resp: 700205

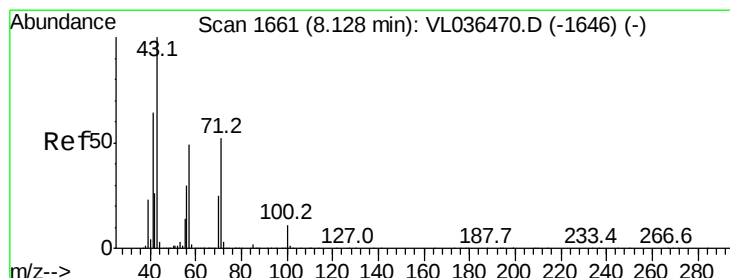
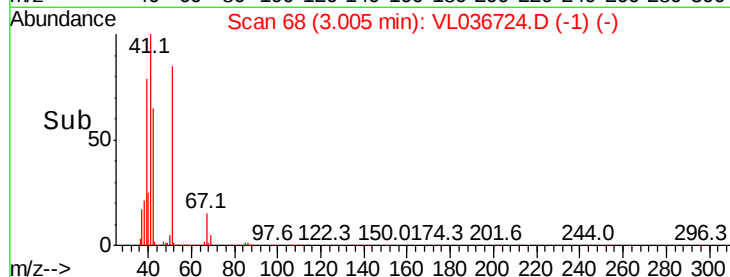
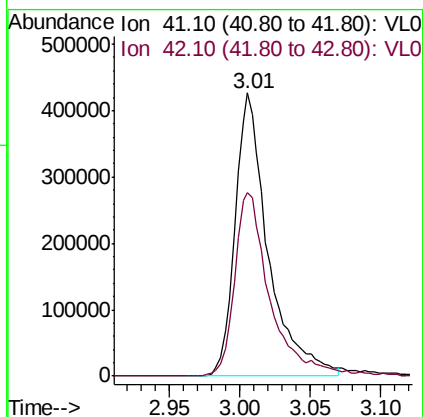
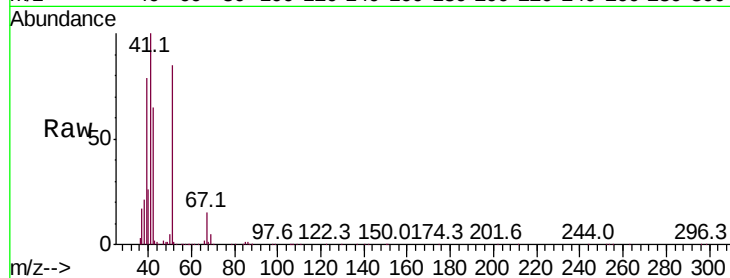
Ion Ratio Lower Upper

41 100

42 70.3 57.0 85.4

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#10

Heptane

Concen: 9.887 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL036724.D

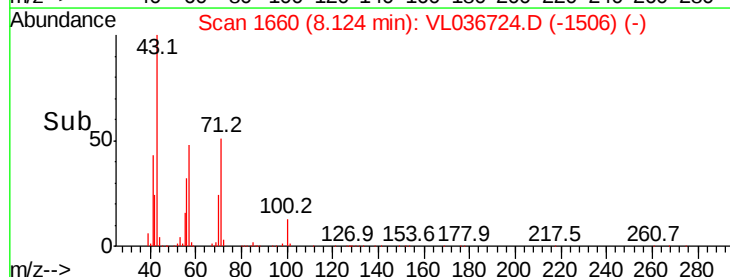
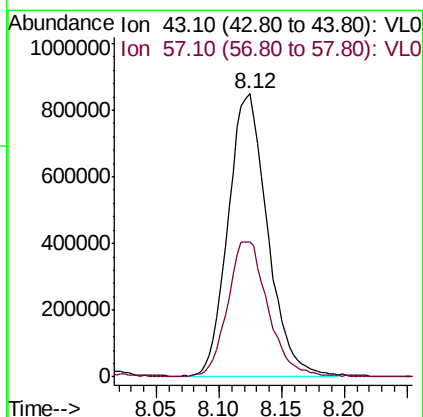
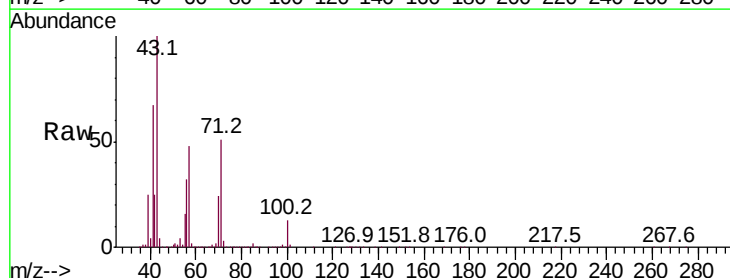
Acq: 7 Apr 2021 11:02

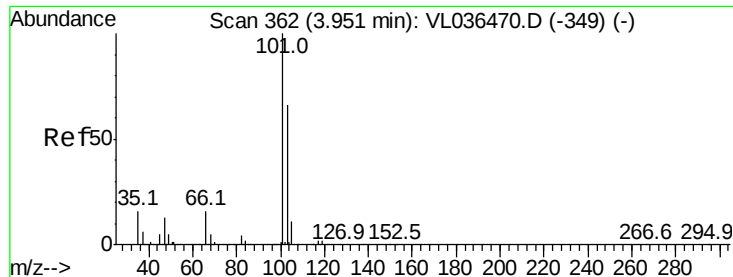
Tgt Ion: 43 Resp: 1839069

Ion Ratio Lower Upper

43 100

57 49.7 39.0 58.6





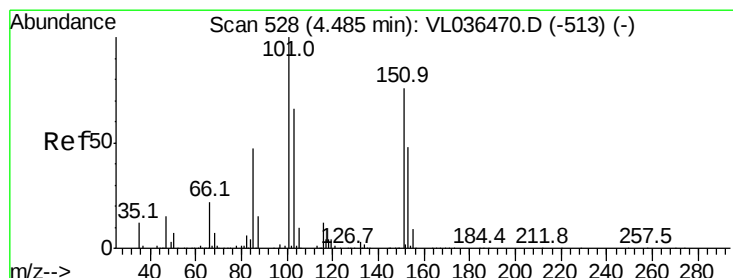
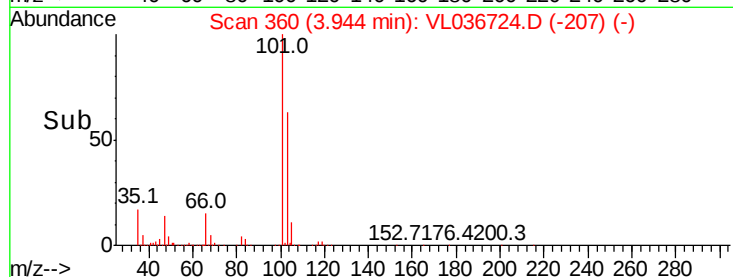
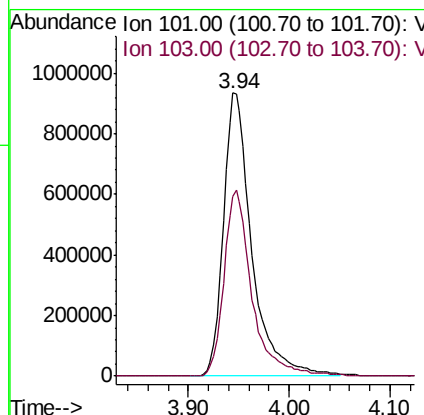
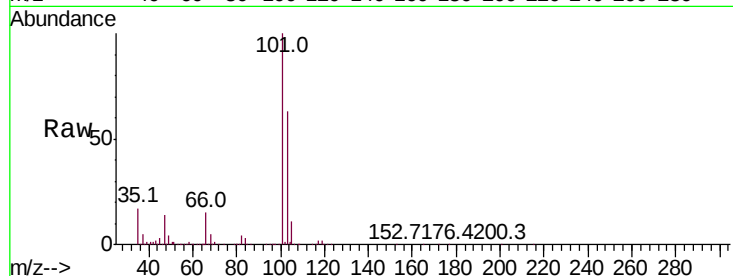
#11
 Trichlorofluoromethane
 Concen: 9.015 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Instrument :
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 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1836817
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.5 78.7

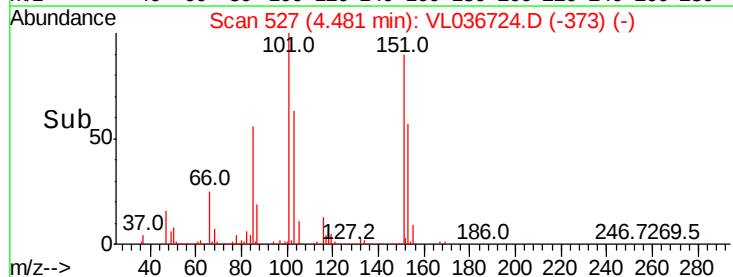
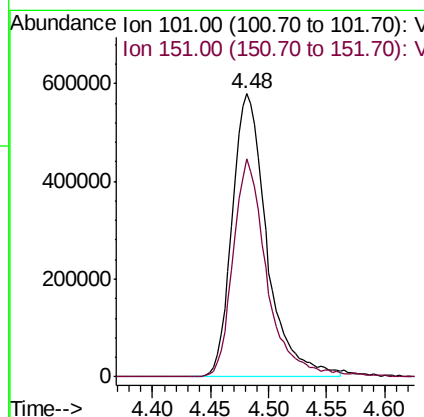
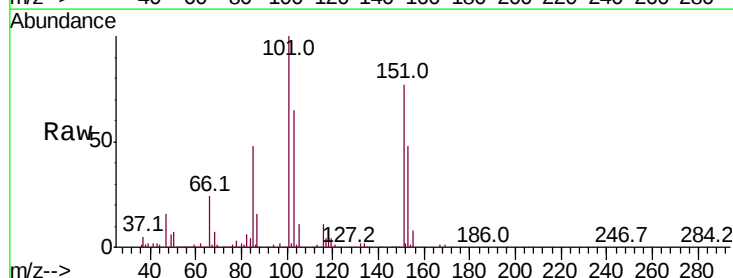
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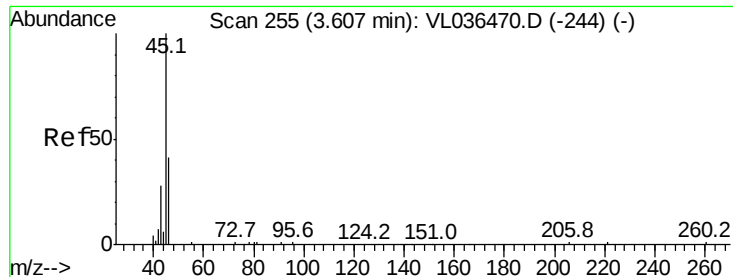
MMDadoda
 4/12/2021 11:12:26 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.231 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Tgt Ion:101 Resp: 1202541
 Ion Ratio Lower Upper
 101 100
 151 75.6 60.9 91.3





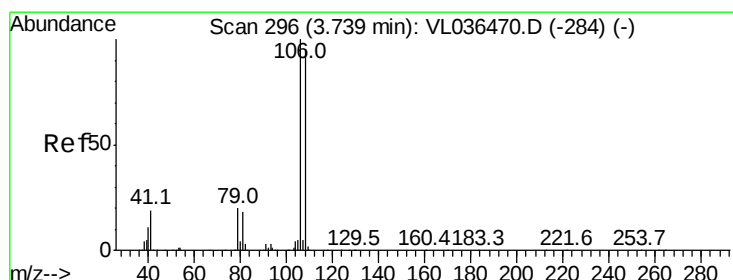
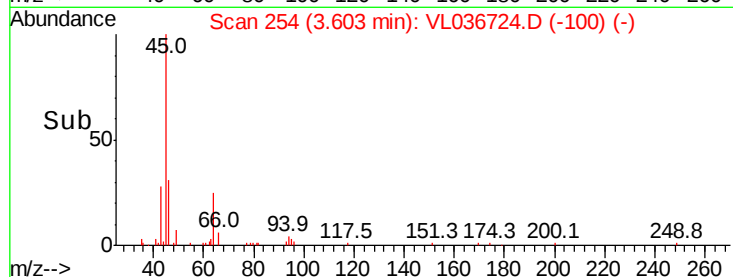
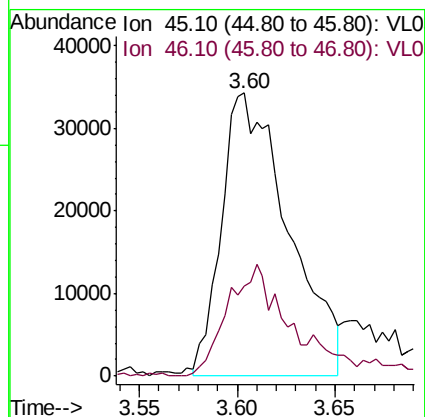
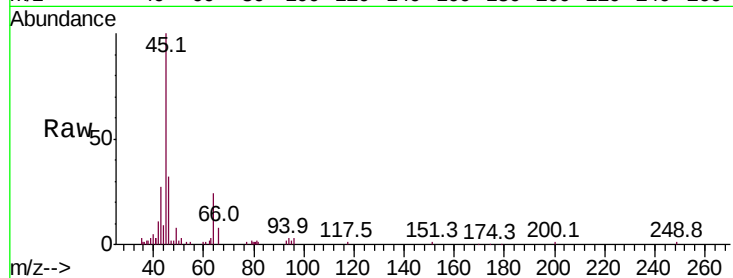
#13
Ethanol
Concen: 9.389 ppbv m
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	40.2	16.6	66.2

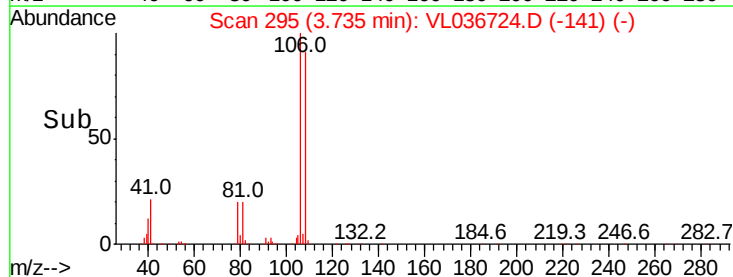
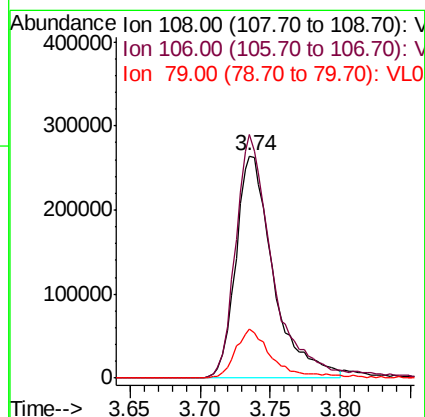
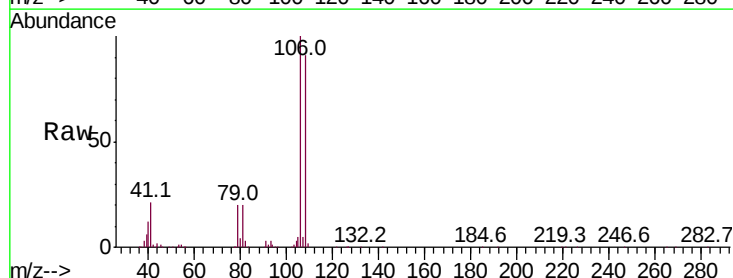
Manual Integrations
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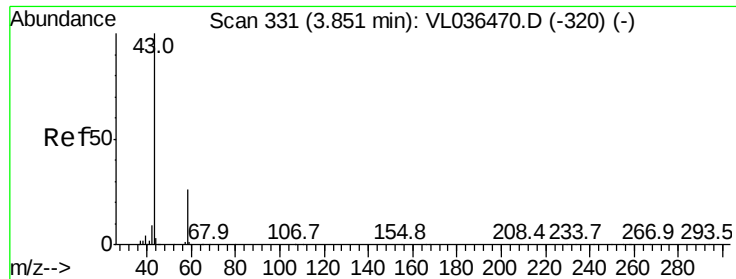
MMDadoda
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#14
Bromoethene
Concen: 9.109 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion	Ratio	Lower	Upper
108	100		
106	110.0	89.0	133.6
79	22.2	16.6	25.0





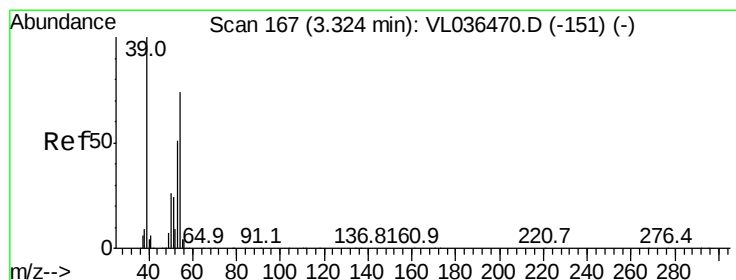
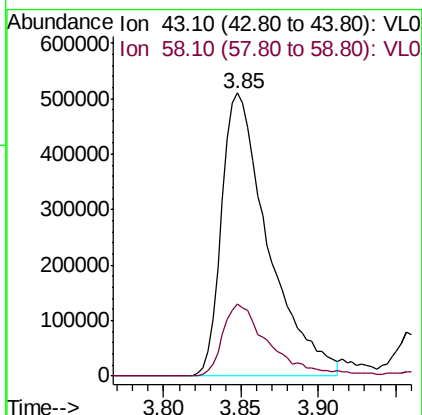
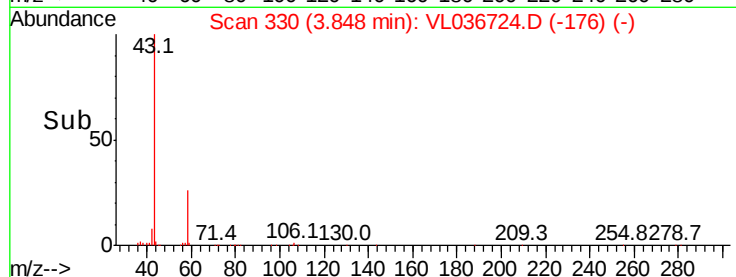
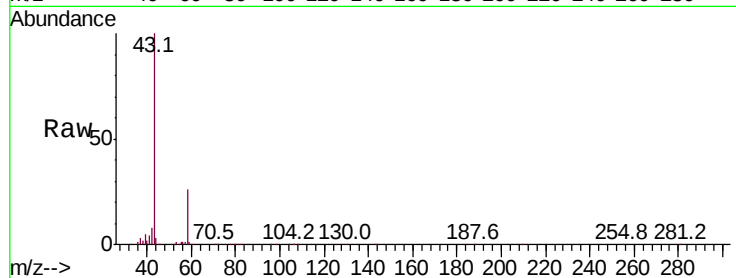
#15
Acetone
Concen: 8.832 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1065633
Ion Ratio Lower Upper
43 100
58 25.8 21.2 31.8

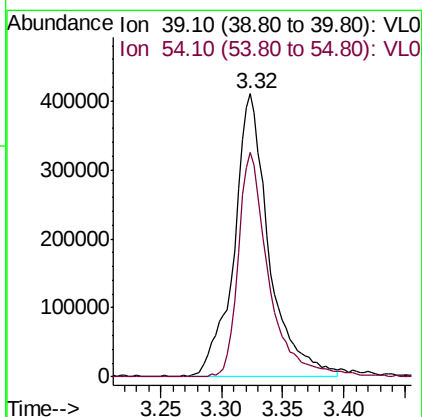
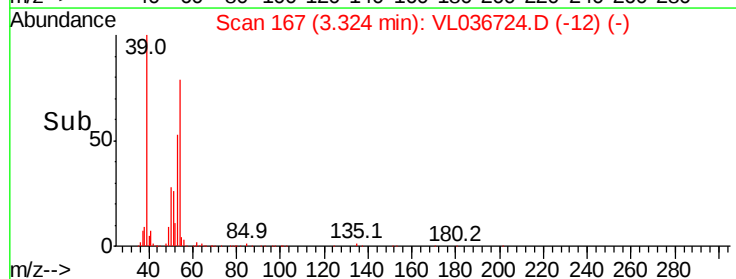
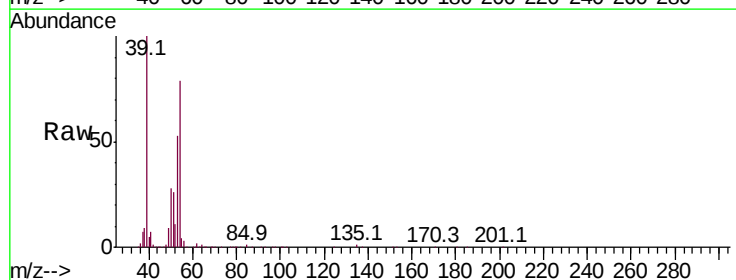
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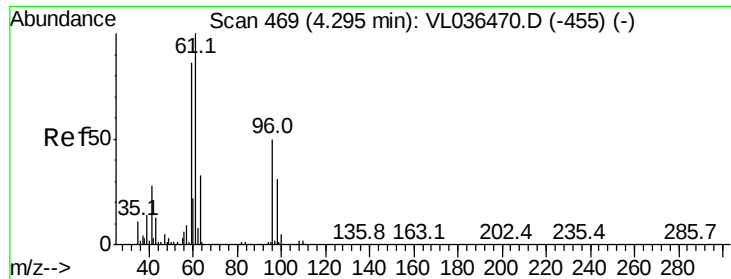
MMDadoda
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#16
1,3-Butadiene
Concen: 9.629 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion: 39 Resp: 808842
Ion Ratio Lower Upper
39 100
54 70.4 58.8 88.2





#17

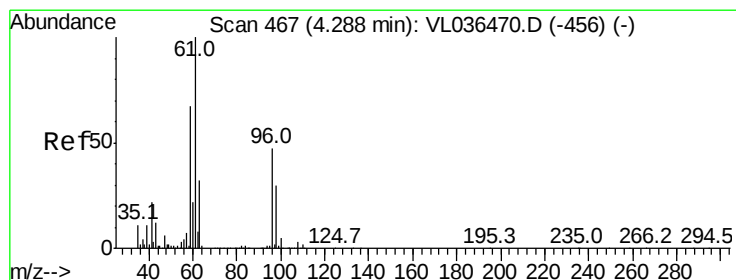
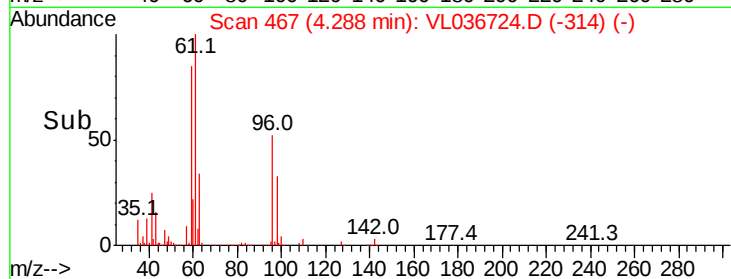
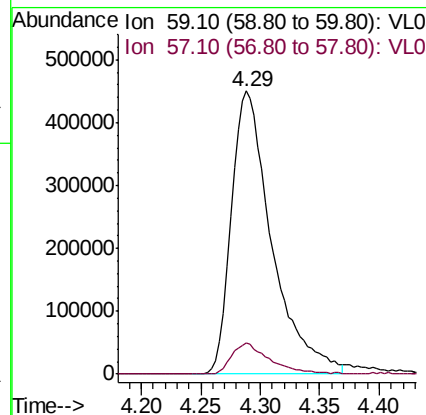
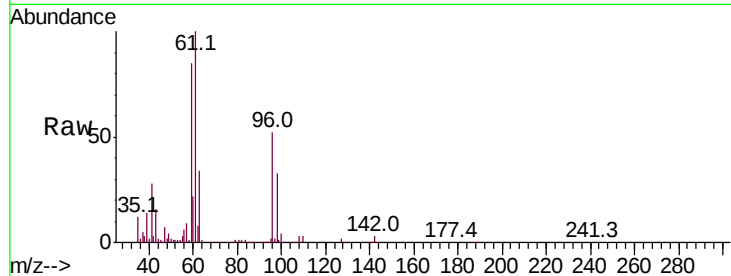
tert-Butyl alcohol
Concen: 10.098 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1060540
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8

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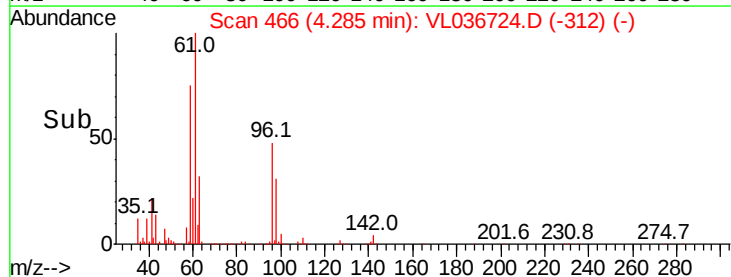
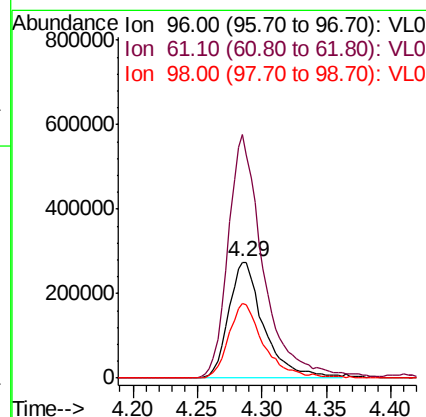
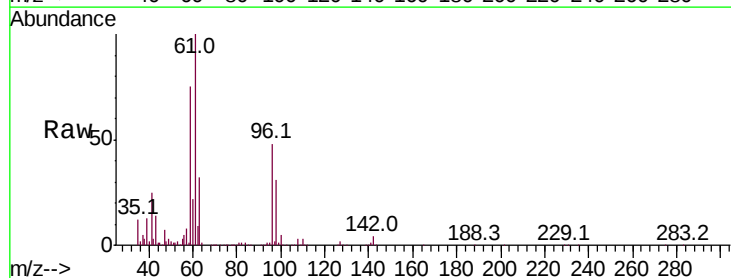
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4/12/2021 11:12:26 AM

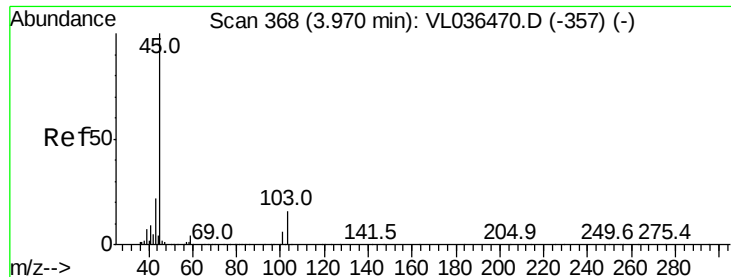


#18

1,1-Dichloroethene
Concen: 8.989 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion: 96 Resp: 520913
Ion Ratio Lower Upper
96 100
61 209.8 168.6 253.0
98 64.2 50.8 76.2





#19

Isopropyl Alcohol

Concen: 9.078 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 602488

Ion Ratio Lower Upper

45 100

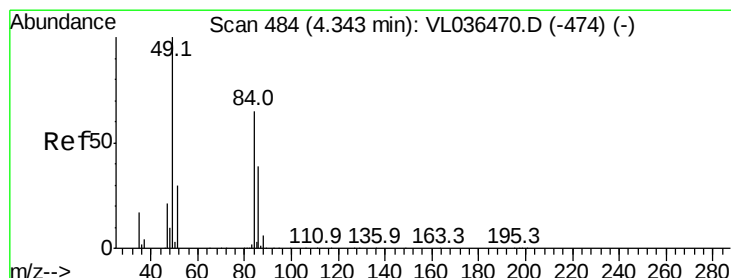
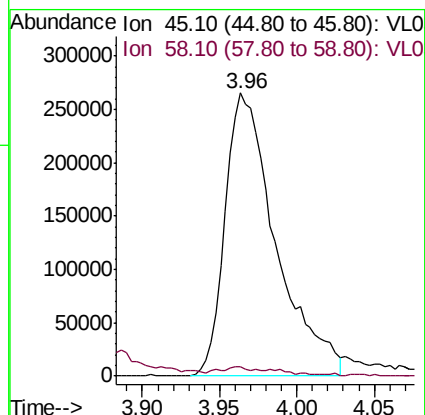
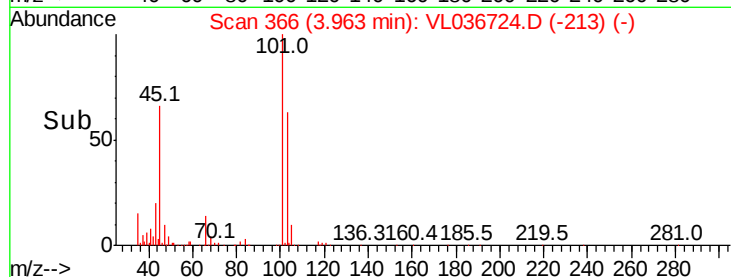
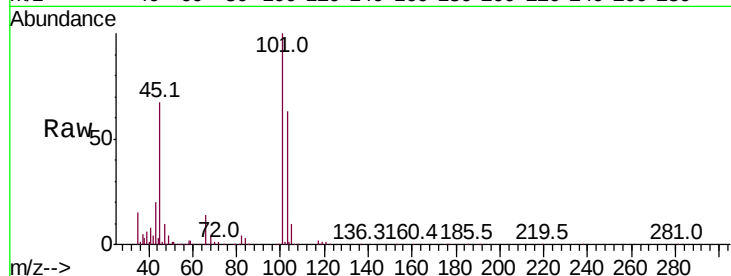
58 2.7 2.9 4.3#

Manual Integrations

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#20

Methylene Chloride

Concen: 7.768 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Tgt Ion: 84 Resp: 438804

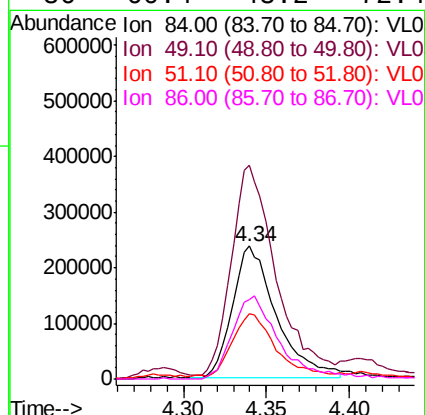
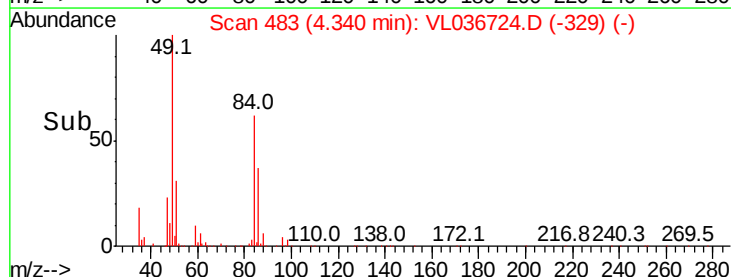
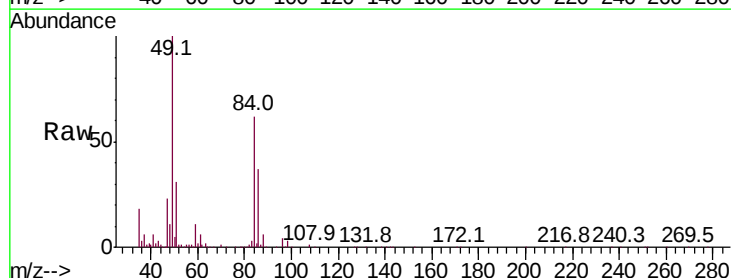
Ion Ratio Lower Upper

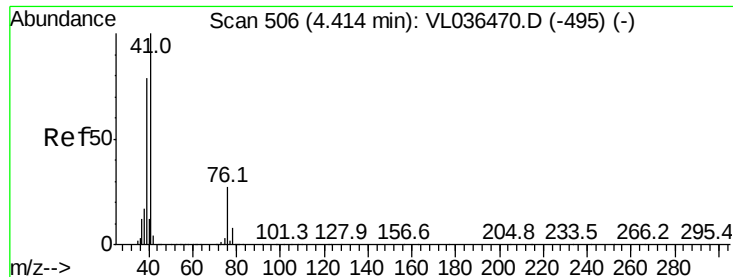
84 100

49 159.1 122.9 184.3

51 47.6 36.9 55.3

86 60.4 48.2 72.4





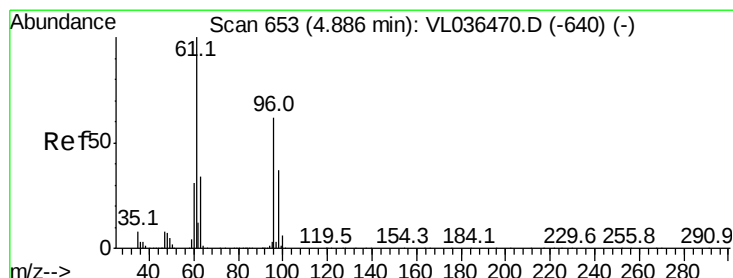
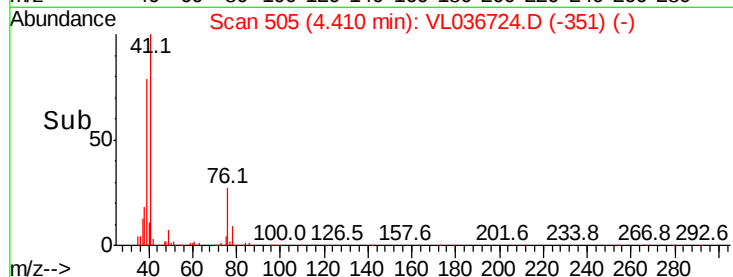
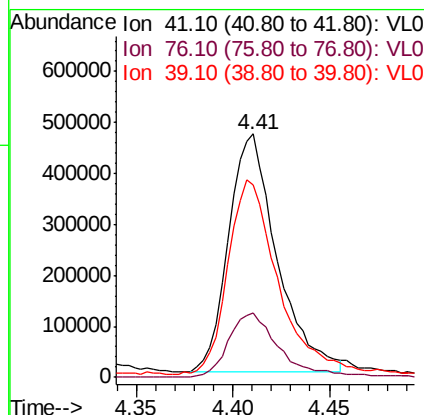
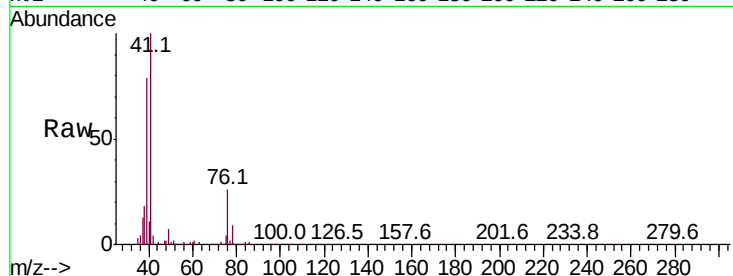
#21
Allvl Chloride
Concen: 8.449 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.9	22.9	34.3
39	89.8	67.3	100.9

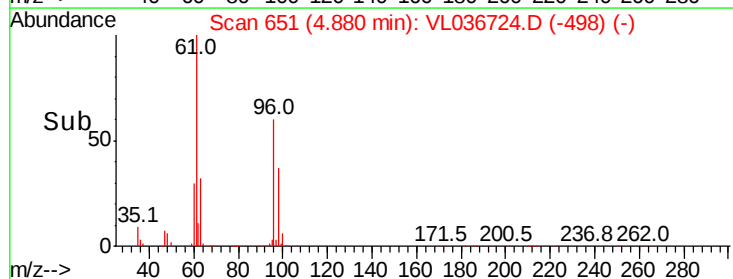
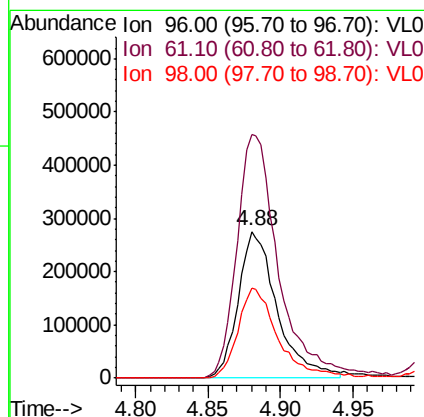
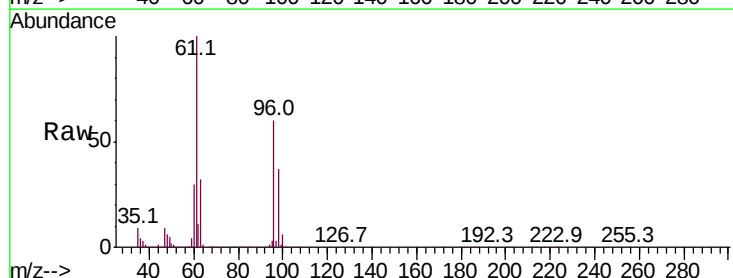
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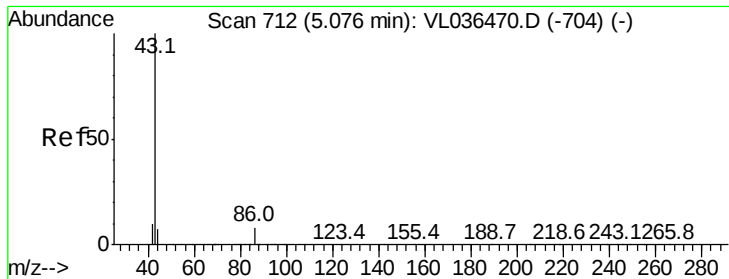
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#22
trans-1,2-Dichloroethene
Concen: 9.585 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.6	129.4	194.0
98	61.3	48.2	72.4





#23

Vinyl Acetate

Concen: 9.473 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL036724.D

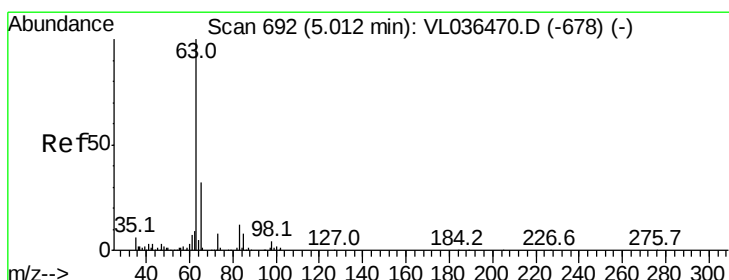
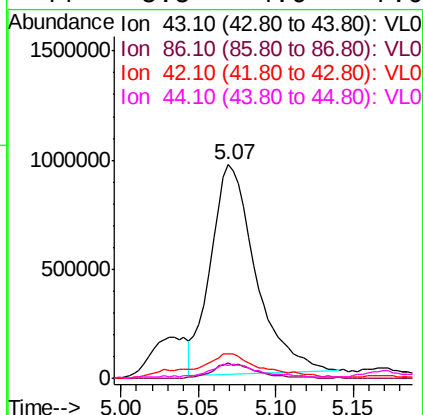
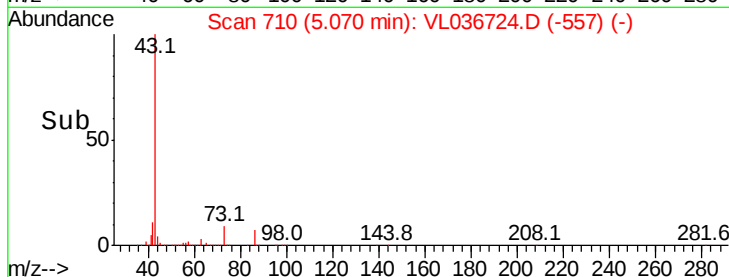
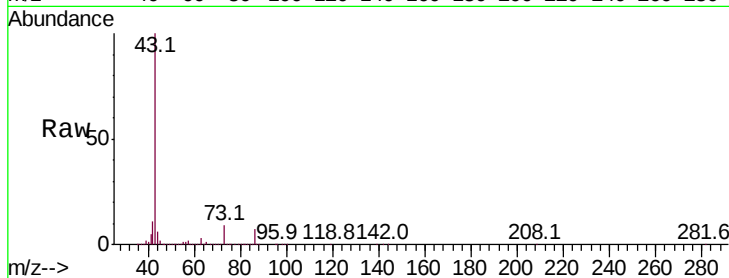
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	1955098
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.4	8.0
42	10.8	8.5	12.7
44	5.5	4.6	7.0

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#24

1,1-Dichloroethane

Concen: 9.214 ppbv

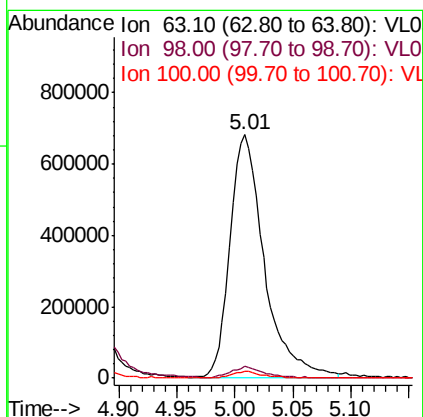
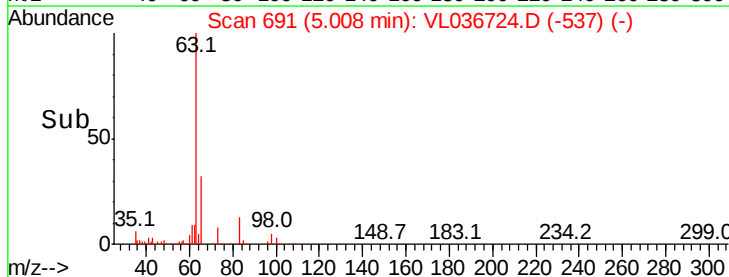
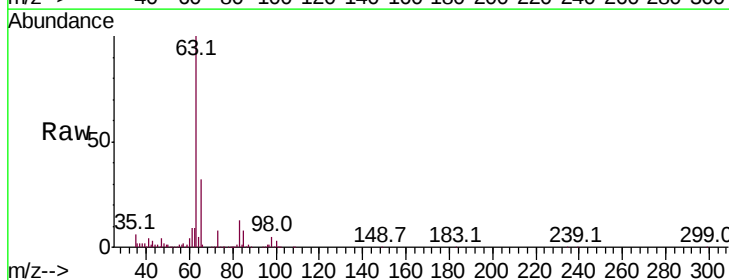
RT: 5.01 min Scan# 691

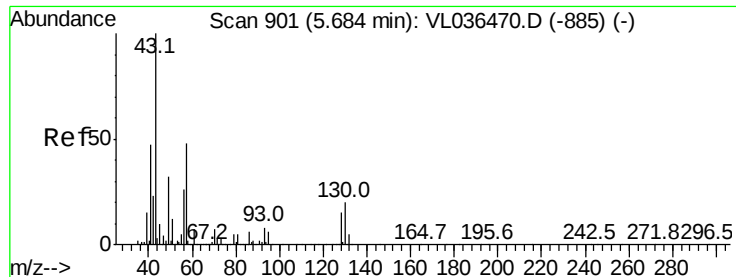
Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Tgt Ion	63	Resp	1386117
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.2
100	2.7	0.9	2.8





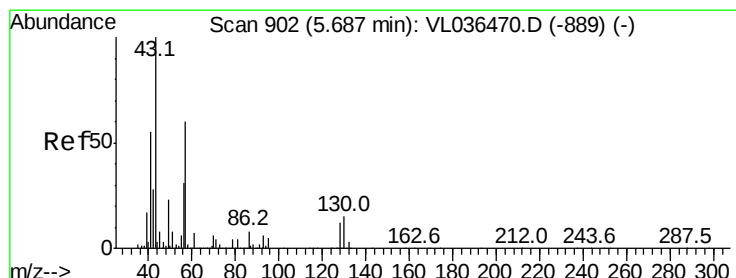
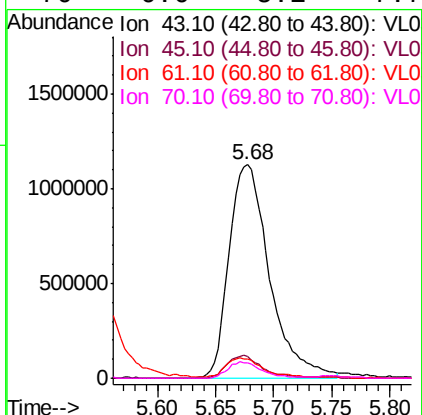
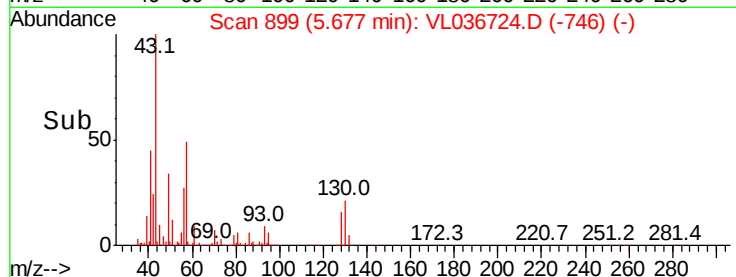
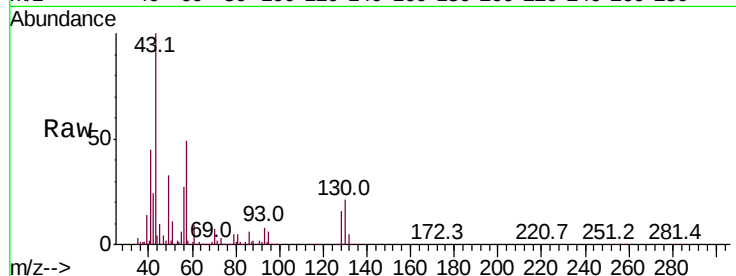
#25
Ethyl Acetate
Concen: 9.492 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.5	7.4	11.2
70	6.6	5.1	7.7

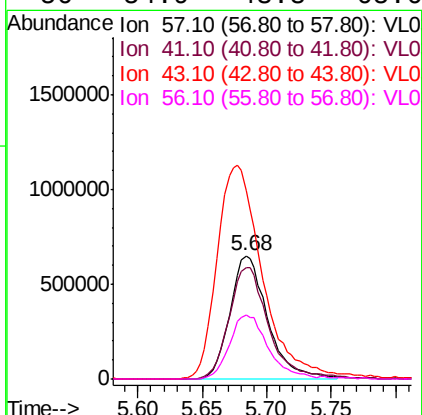
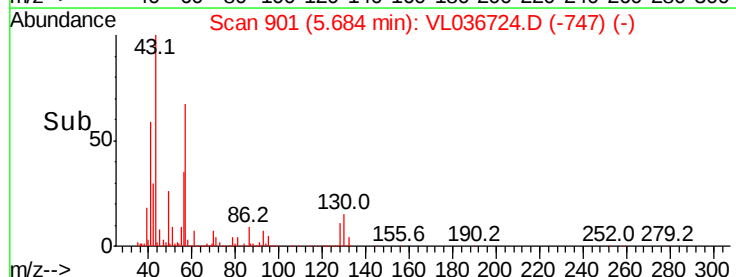
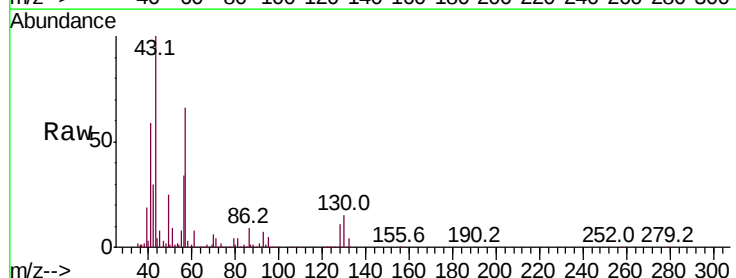
Manual Integrations
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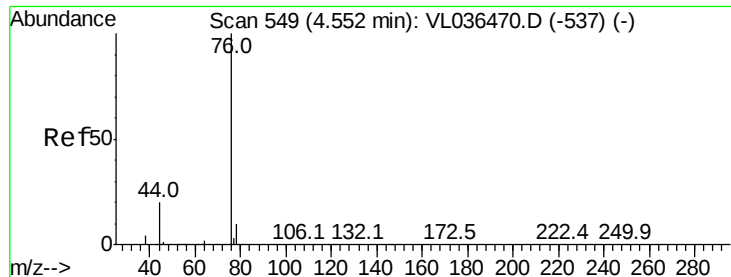
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#26
Hexane
Concen: 9.912 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.8	77.2	115.8
43	210.7	173.8	260.6
56	54.9	43.8	65.6





#27

Carbon Disulfide

Concen: 9.427 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1236150

Ion Ratio Lower Upper

76 100

44 21.4 17.5 26.3

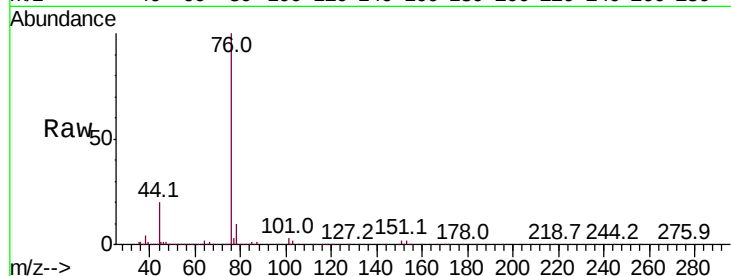
78 9.6 8.6 13.0

Manual Integrations

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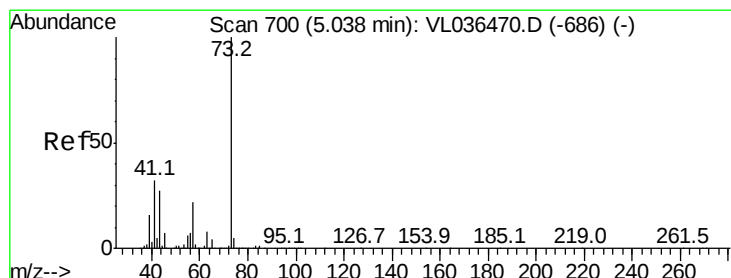
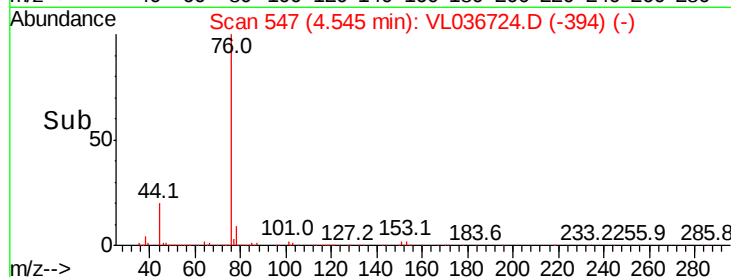
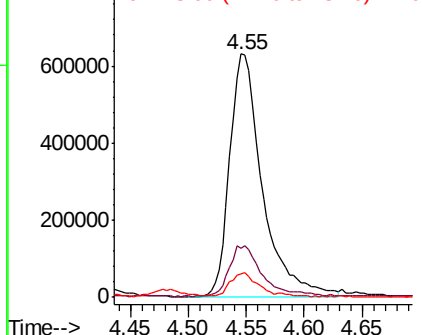
4/12/2021 11:12:26 AM



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: 9.041 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.01 min

Lab File: VL036724.D

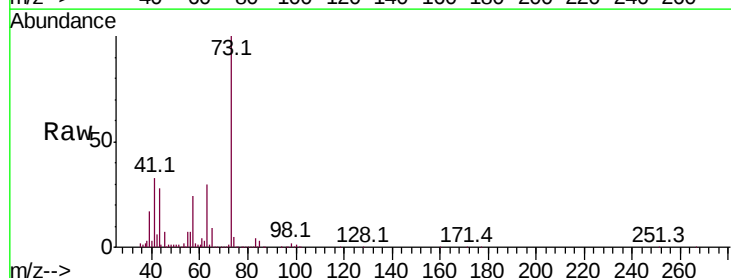
Acq: 7 Apr 2021 11:02

Tgt Ion: 73 Resp: 1419252

Ion Ratio Lower Upper

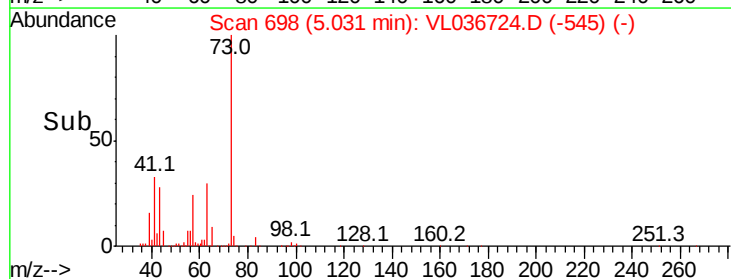
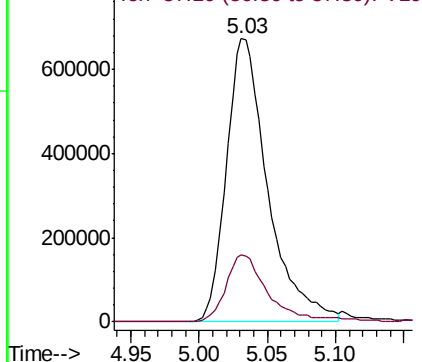
73 100

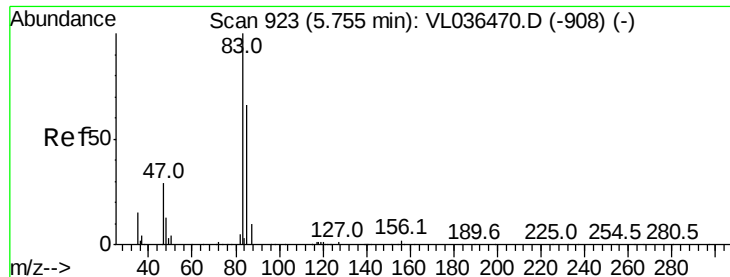
57 24.6 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.805 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2087337

Ion Ratio Lower Upper

83 100

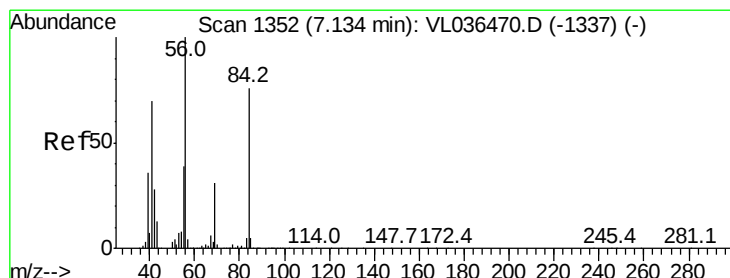
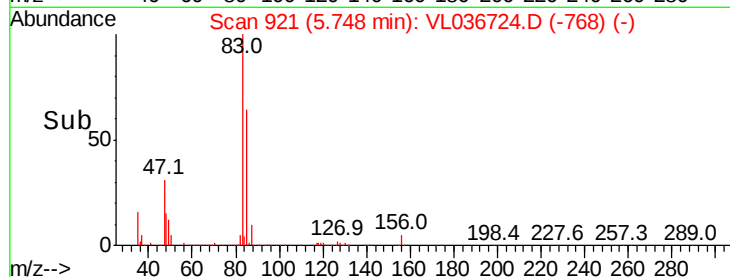
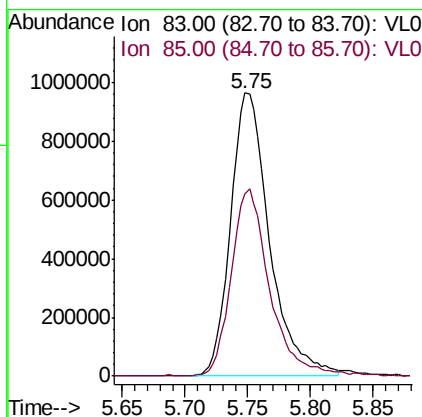
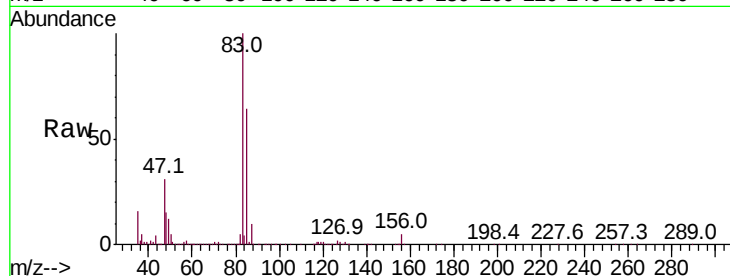
85 64.3 52.6 78.8

Manual Integrations

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#30

Cyclohexane

Concen: 10.261 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

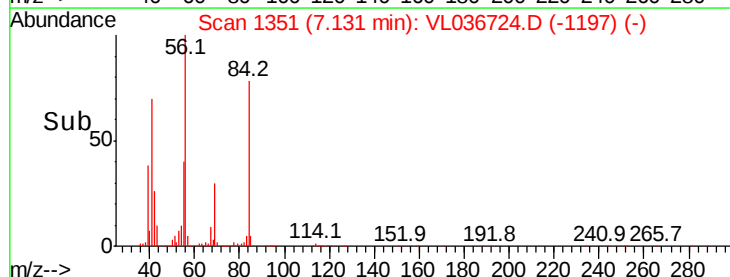
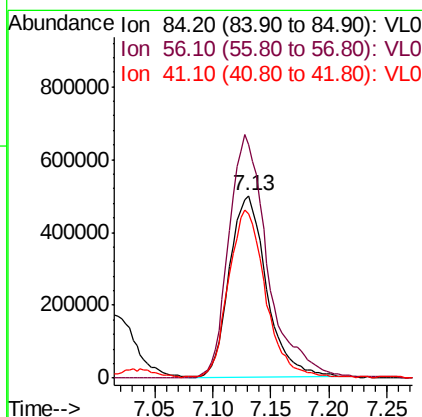
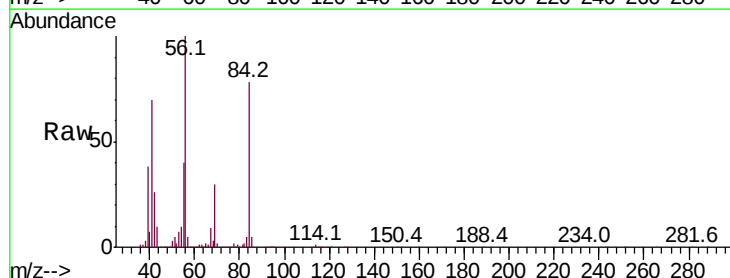
Tgt Ion: 84 Resp: 1107725

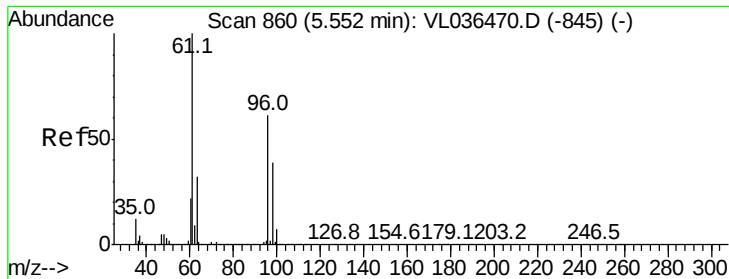
Ion Ratio Lower Upper

84 100

56 142.3 114.6 171.8

41 90.9 75.3 112.9





#31

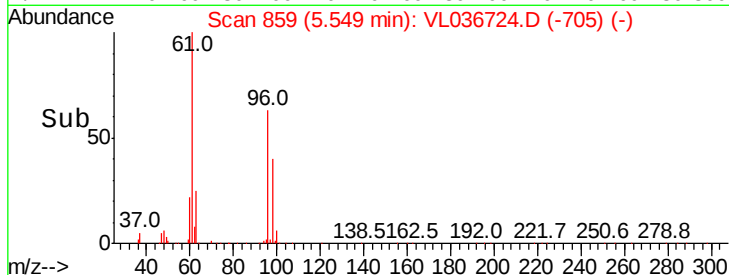
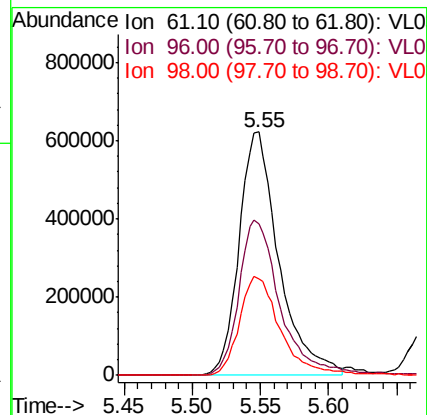
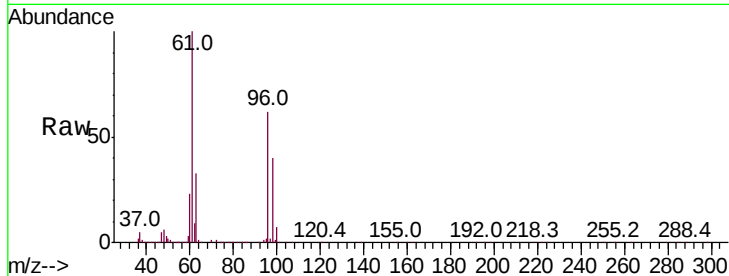
cis-1,2-Dichloroethene
Concen: 9.778 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.3	48.7	73.1
98	39.8	31.4	47.0

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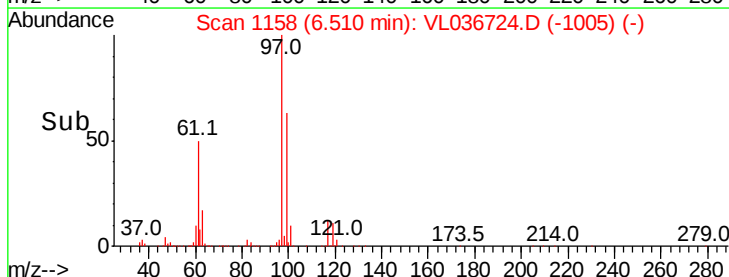
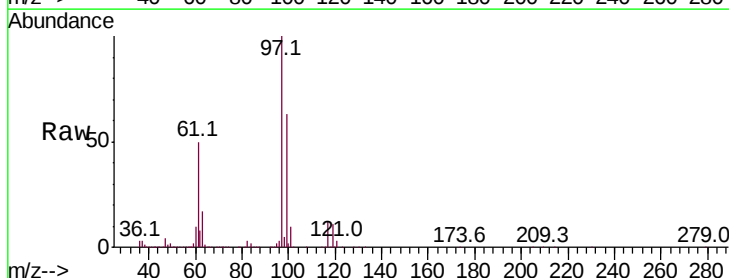
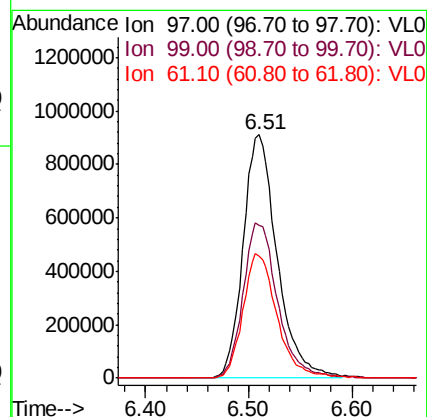
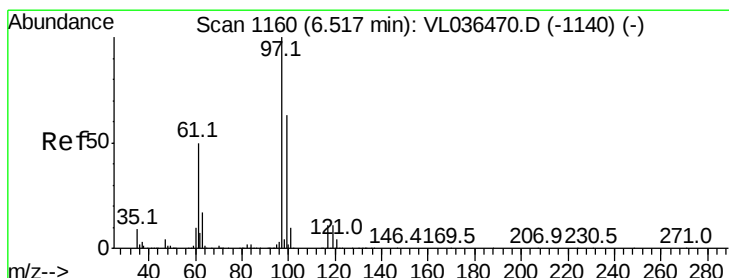
MMDadoda
4/12/2021 11:12:26 AM

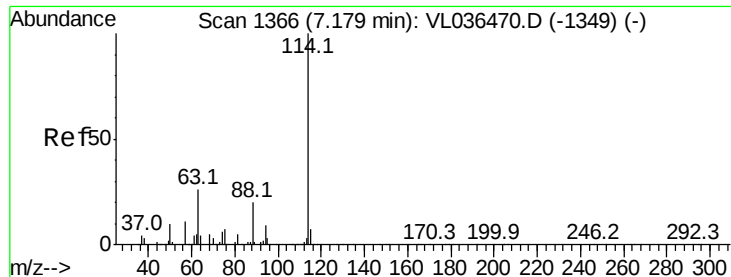


#32

1,1,1-Trichloroethane
Concen: 9.762 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.0
61	51.3	40.6	60.8





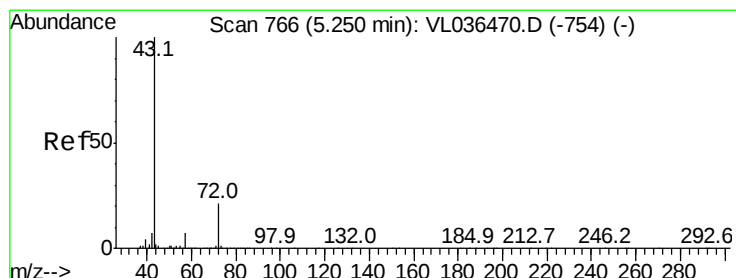
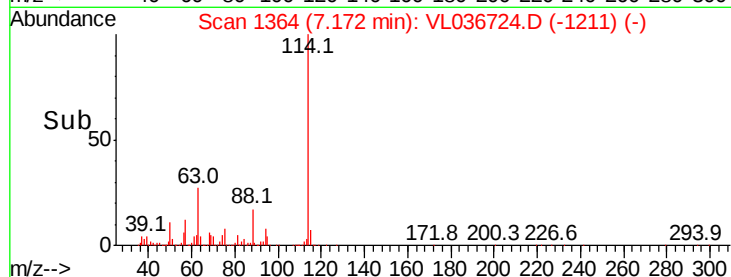
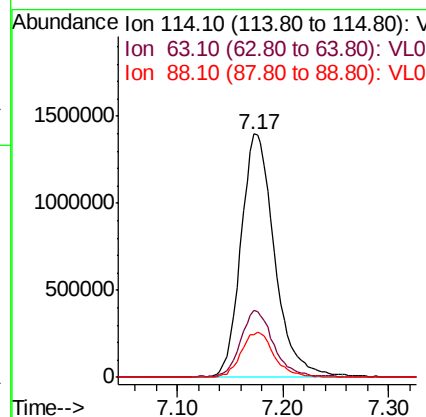
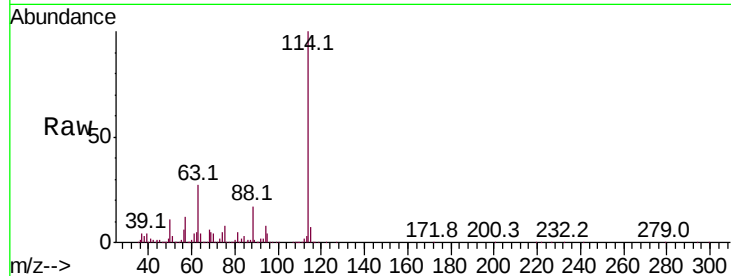
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.3	22.4	33.6
88	18.3	15.4	23.0

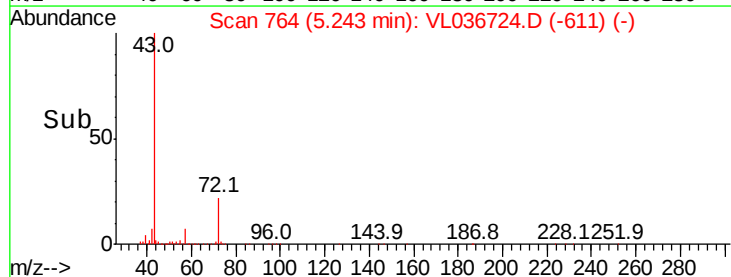
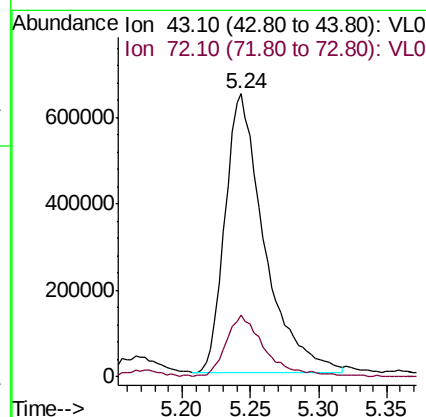
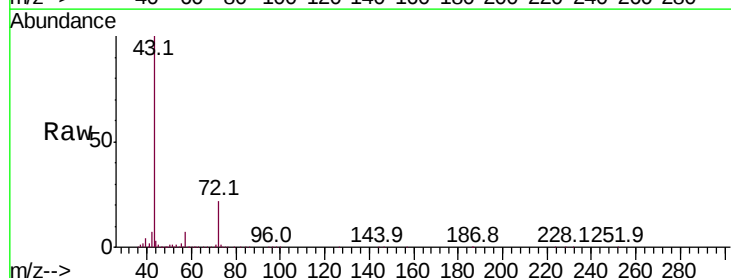
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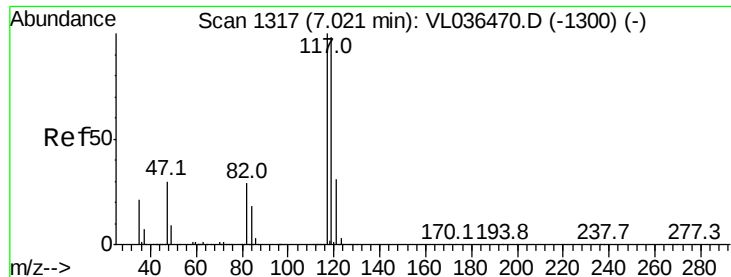
MMDadoda
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#34
 2-Butanone
 Concen: 8.579 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.0	25.6





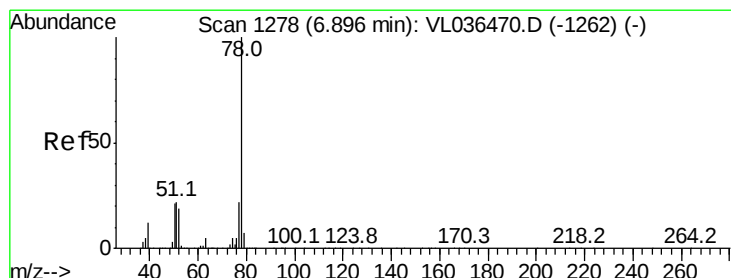
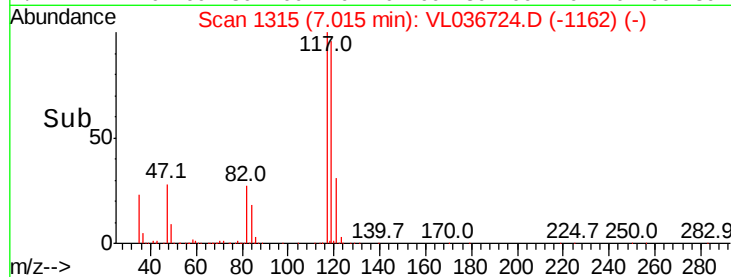
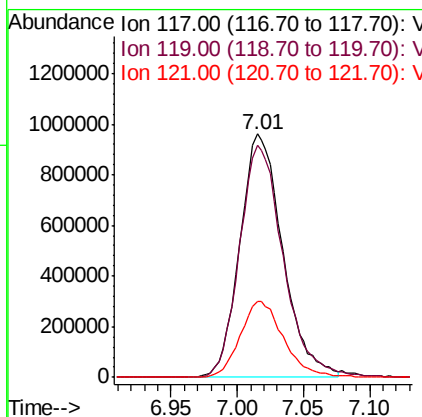
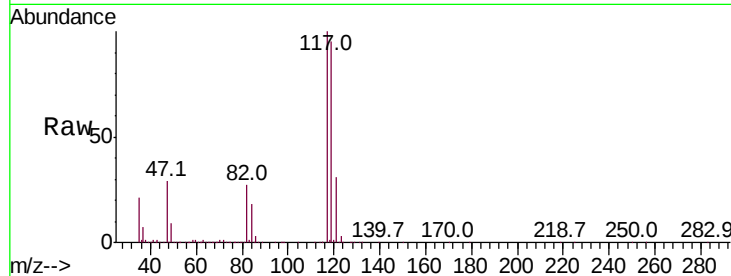
#35
Carbon Tetrachloride
Concen: 9.079 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.4	78.2	117.2
121	31.3	24.5	36.7

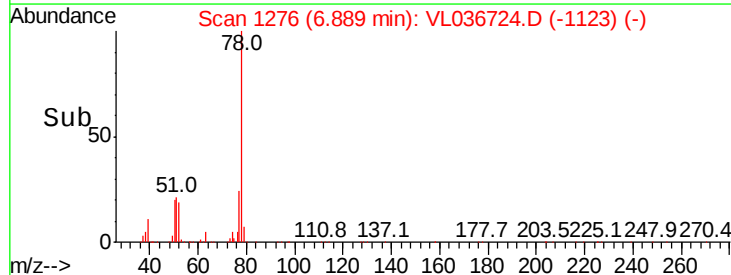
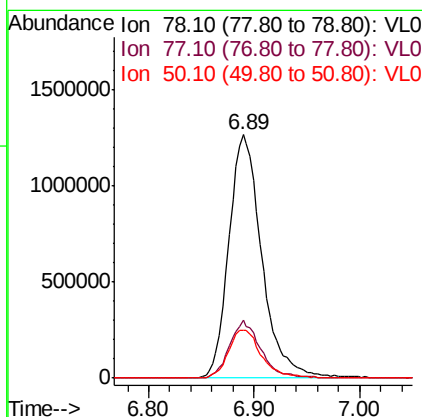
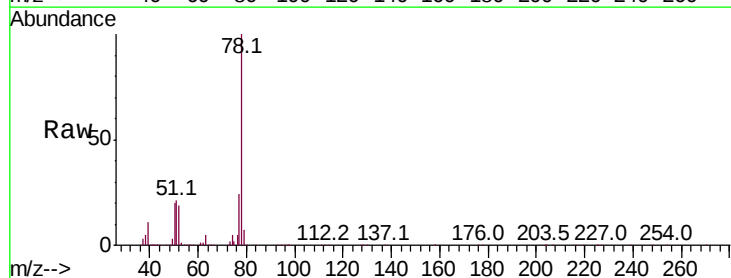
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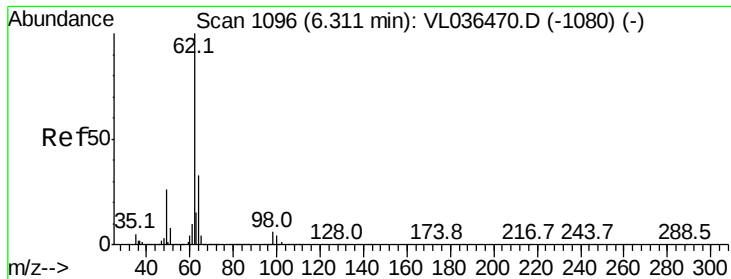
MMDadoda
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#36
Benzene
Concen: 9.592 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.0	27.0
50	19.8	16.5	24.7





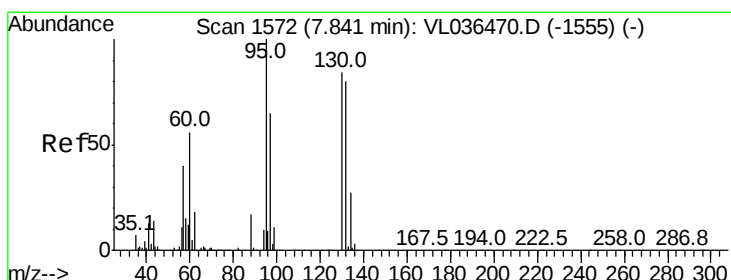
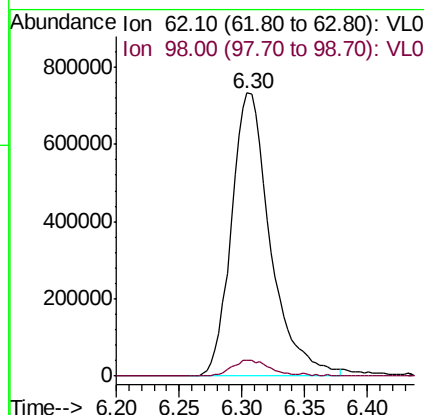
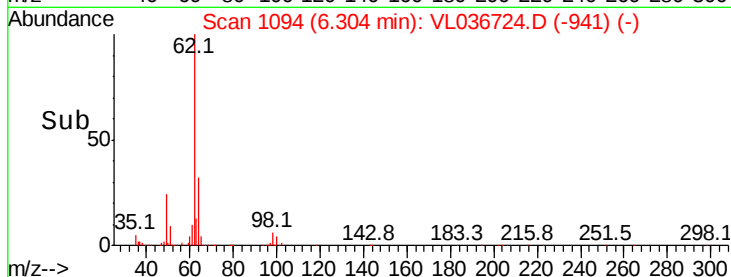
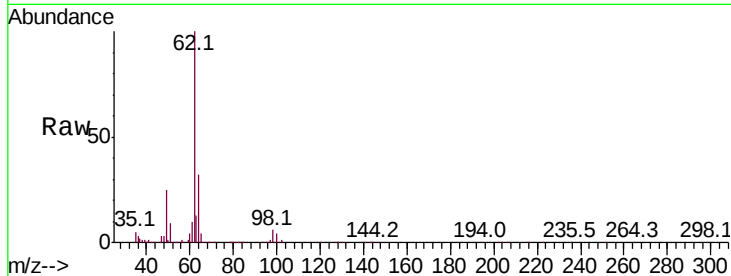
#37
 1,2-Dichloroethane
 Concen: 9.391 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1580293
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.9 7.3

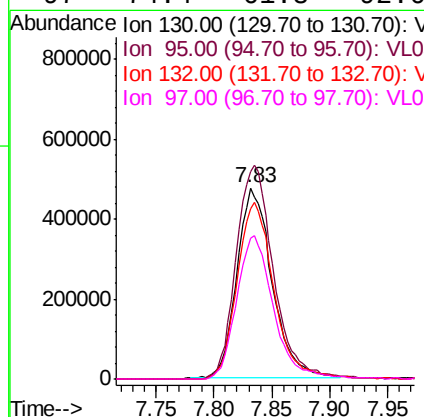
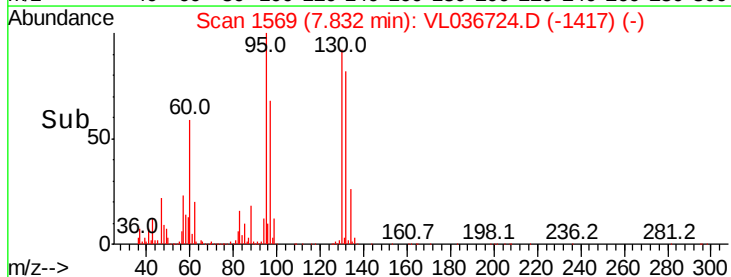
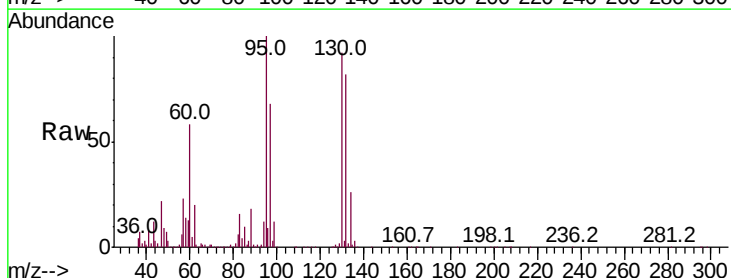
Manual Integrations
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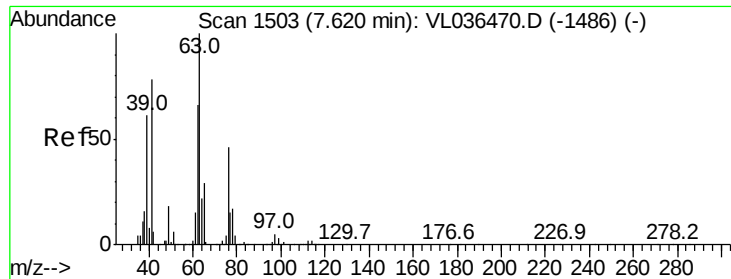
MMDadoda
 4/12/2021 11:12:26 AM



#38
 Trichloroethene
 Concen: 9.024 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Tgt Ion: 130 Resp: 1004159
 Ion Ratio Lower Upper
 130 100
 95 109.4 95.7 143.5
 132 89.4 76.2 114.4
 97 74.4 61.8 92.6





#39

1,2-Dichloropropane

Concen: 9.172 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1063820

Ion Ratio Lower Upper

63 100

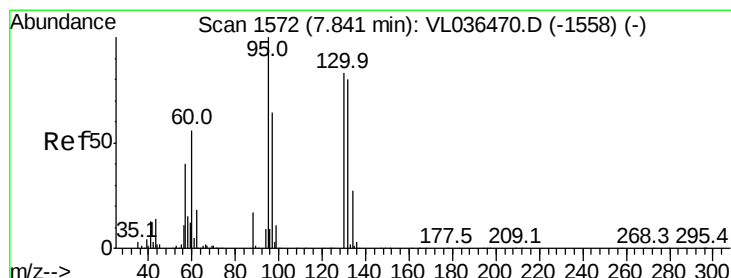
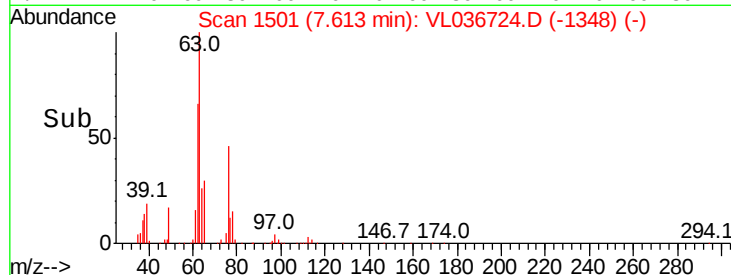
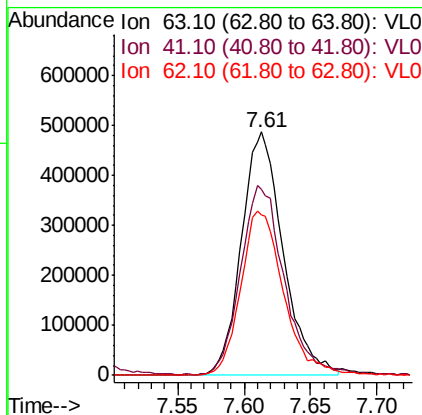
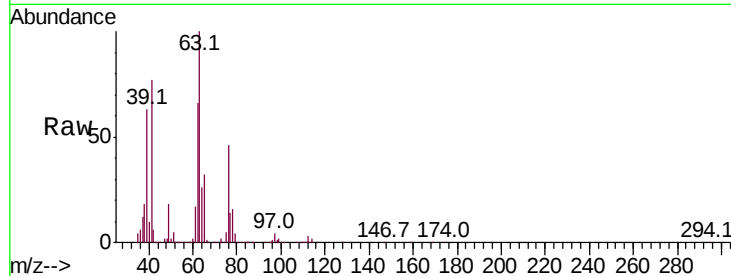
41 76.1 62.4 93.6

62 65.7 52.8 79.2

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.429 ppbv m

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Tgt Ion: 88 Resp: 254538

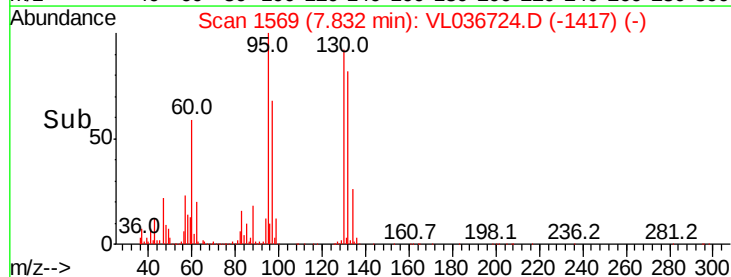
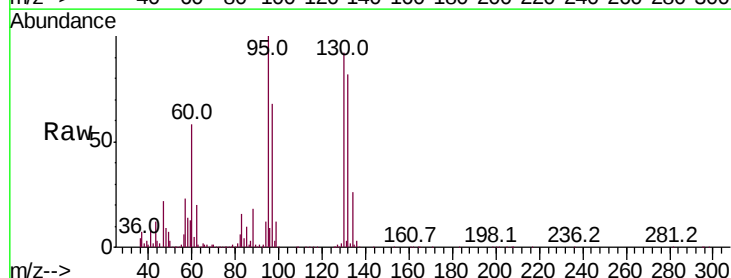
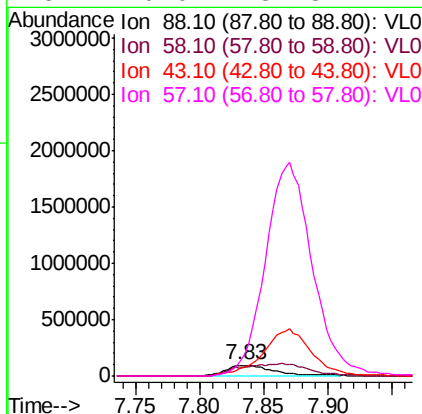
Ion Ratio Lower Upper

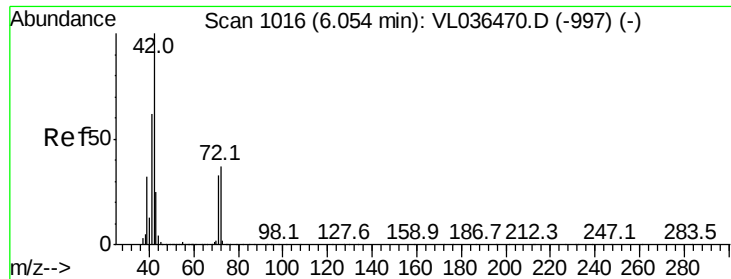
88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#





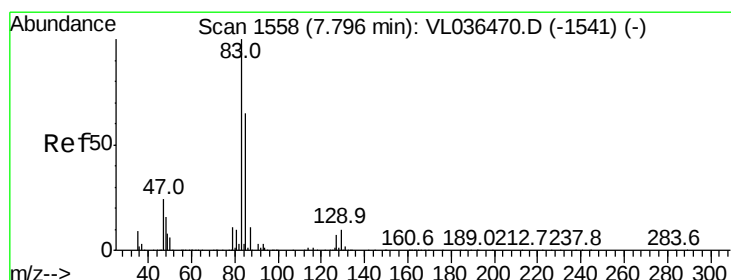
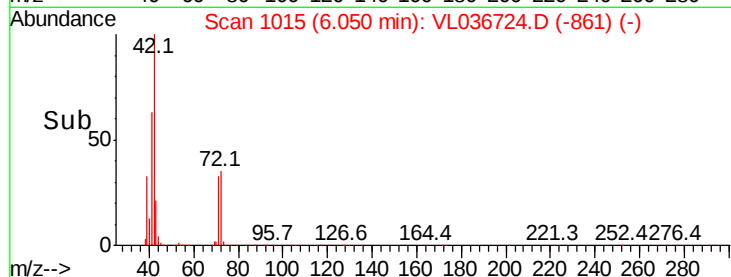
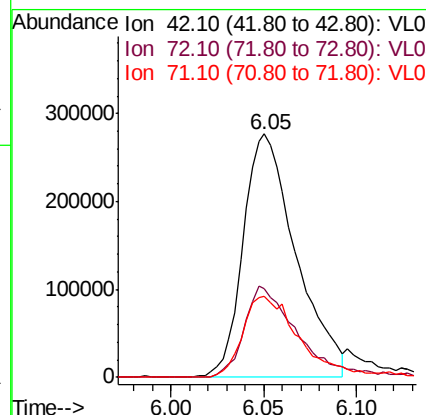
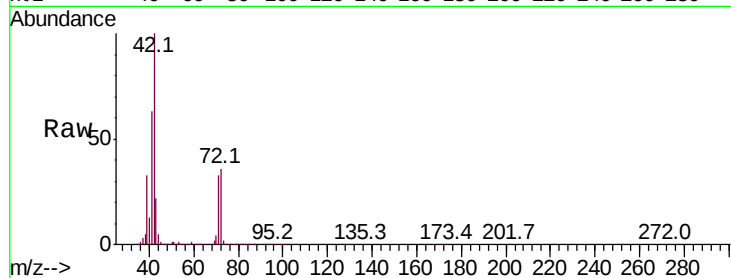
#41
Tetrahydrofuran
Concen: 7.840 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	27.6	41.4
71	36.6	27.0	40.4

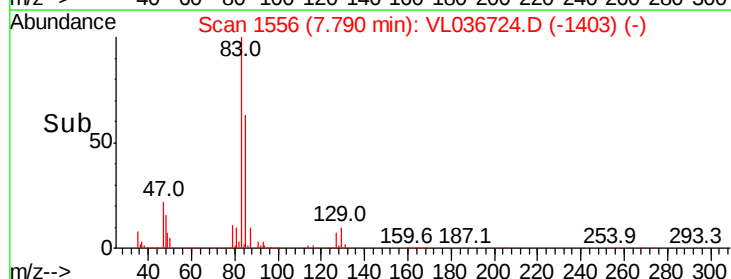
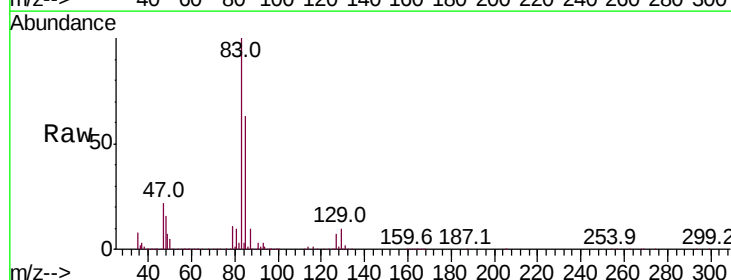
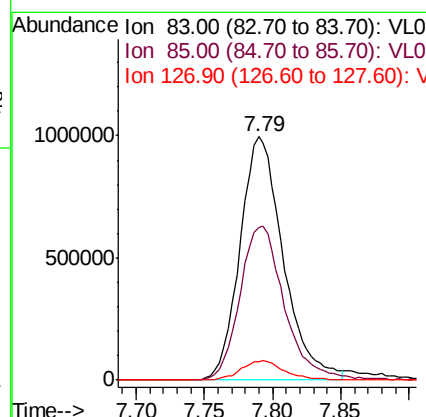
Manual Integrations
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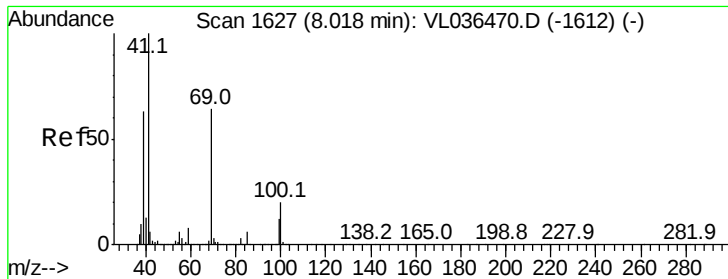
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#42
Bromodichloromethane
Concen: 9.584 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.8	77.6
127	7.4	5.8	8.8





#43

Methvl Methacrylate

Concen: 10.629 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

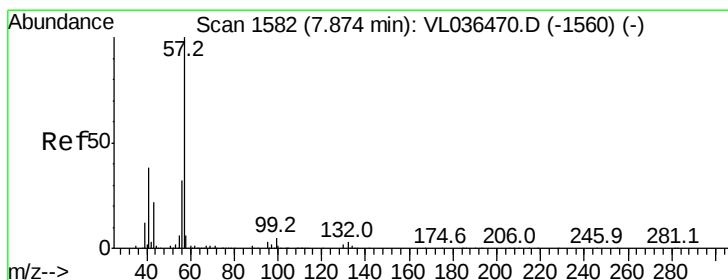
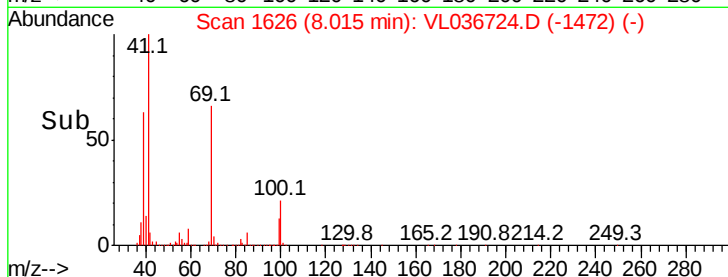
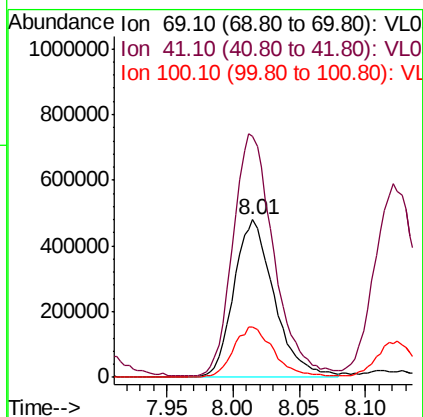
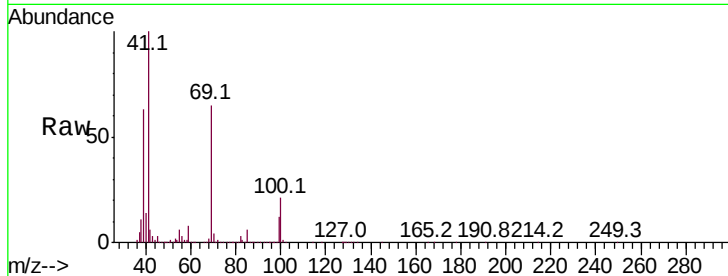
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1020463

Ion	Ratio	Lower	Upper
69	100		
41	156.6	126.8	190.2
100	32.2	24.9	37.3

Manual Integrations
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4/12/2021 11:12:26 AM



#44

2,2,4-Trimethylpentane

Concen: 9.619 ppbv

RT: 7.87 min Scan# 1581

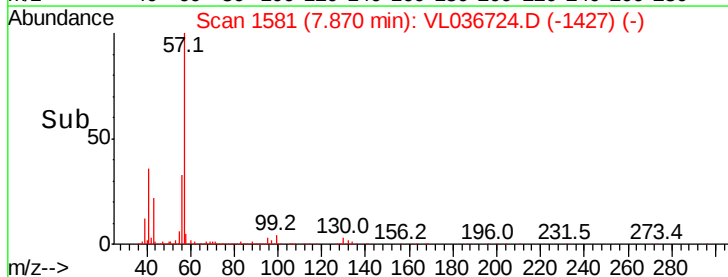
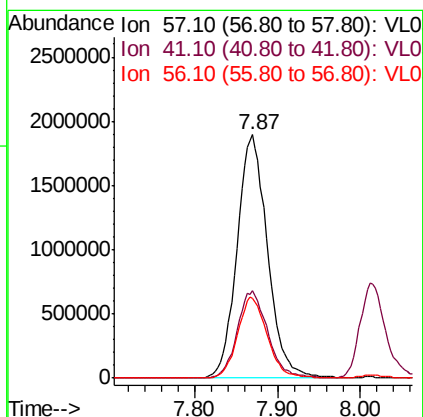
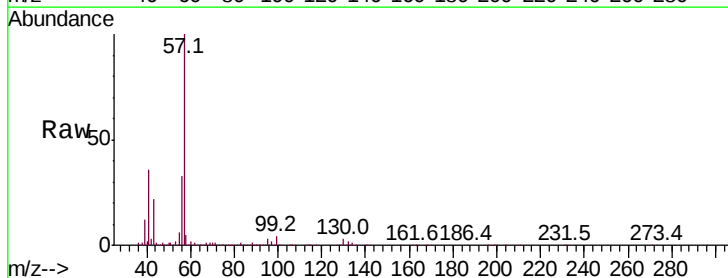
Delta R.T. -0.00 min

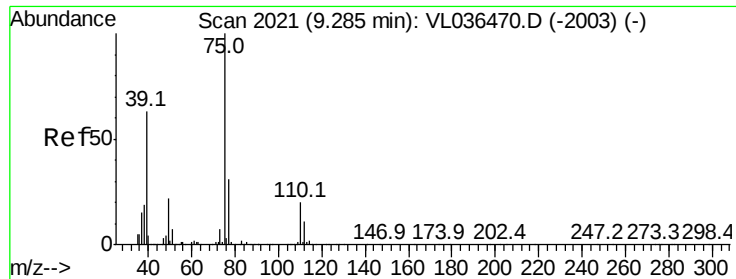
Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Tgt Ion: 57 Resp: 4840532

Ion	Ratio	Lower	Upper
57	100		
41	35.6	28.8	43.2
56	32.3	26.1	39.1





#45

t-1,3-Dichloropropene

Concen: 8.934 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 979478

Ion Ratio Lower Upper

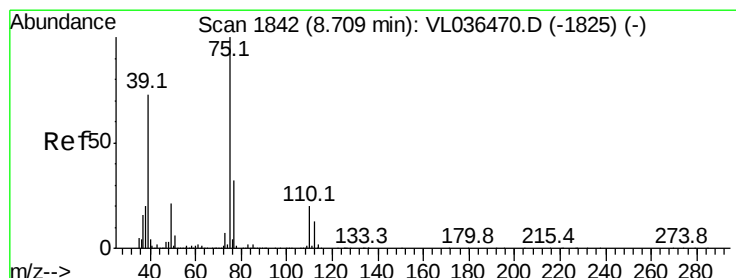
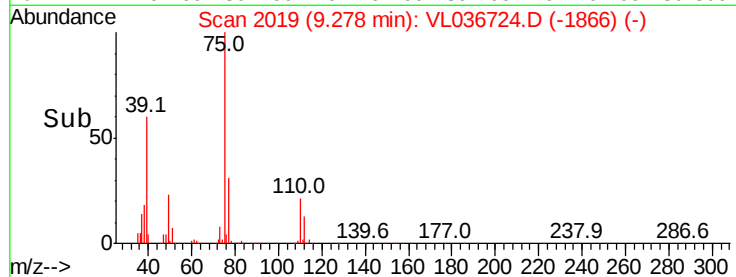
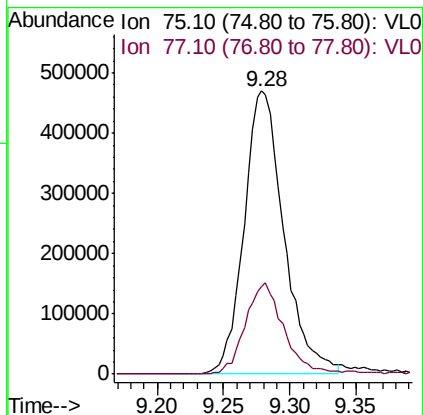
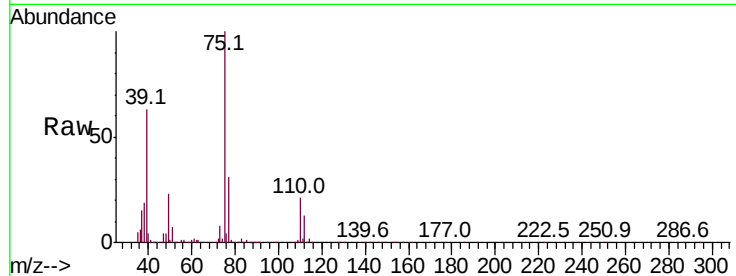
75 100

77 30.8 25.1 37.7

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#46

cis-1,3-Dichloropropene

Concen: 9.043 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

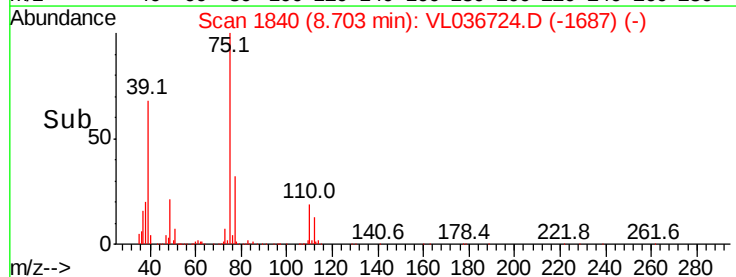
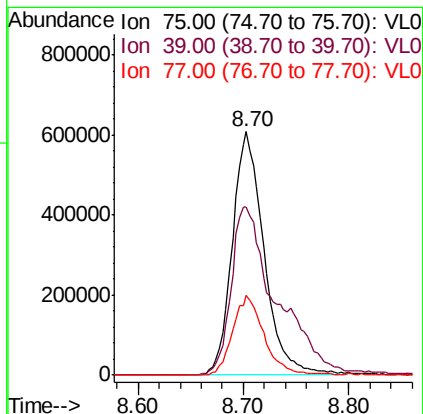
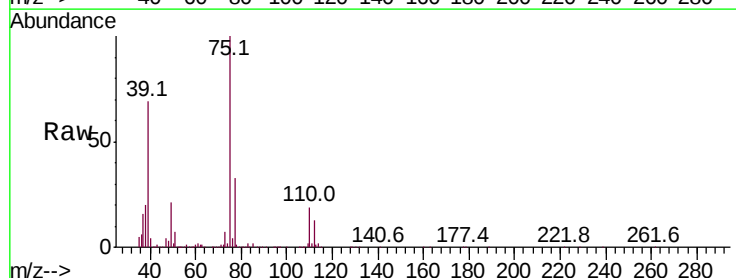
Tgt Ion: 75 Resp: 1267330

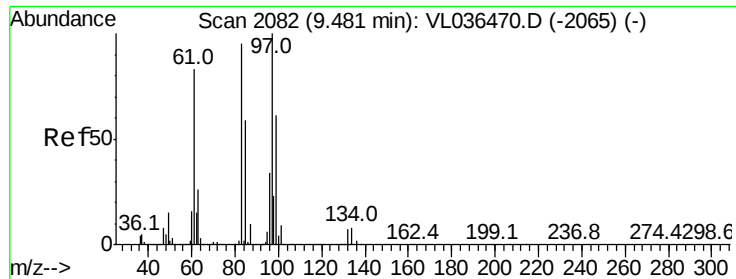
Ion Ratio Lower Upper

75 100

39 68.8 58.2 87.2

77 32.5 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 9.600 ppbv

RT: 9.47 min Scan# 2080

Delta R.T. -0.01 min

Lab File: VL036724.D

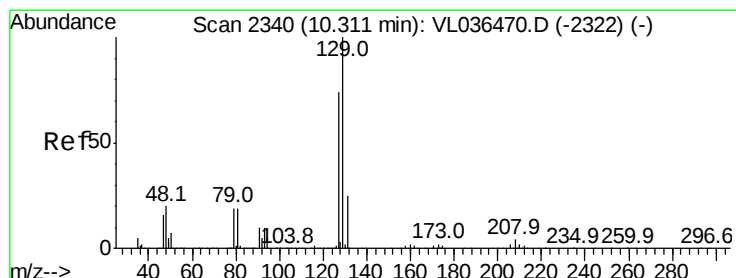
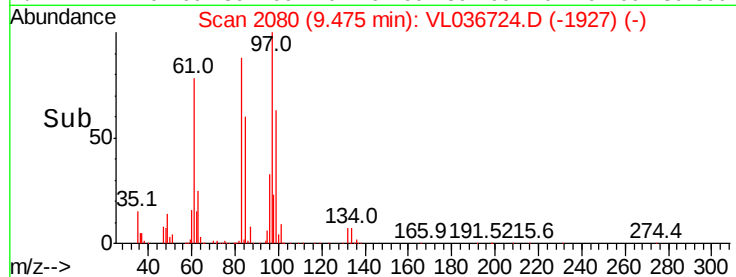
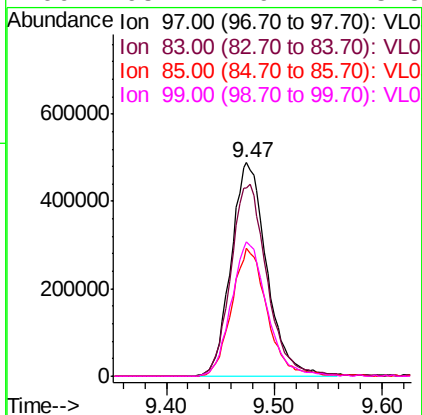
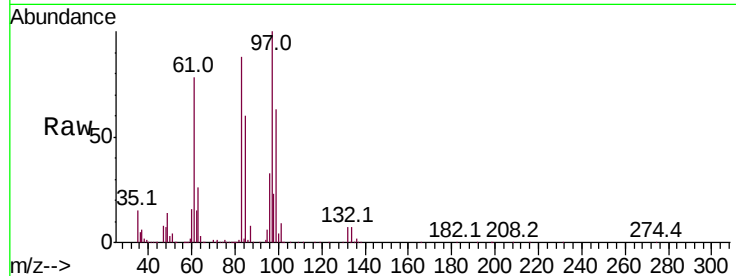
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.2	75.8	113.8	
85	59.6	47.1	70.7	
99	63.2	49.2	73.8	

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#48

Dibromochloromethane

Concen: 10.184 ppbv

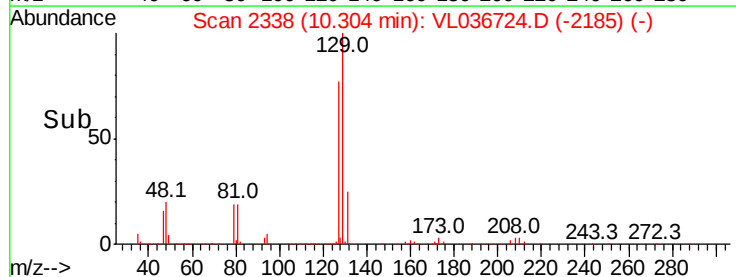
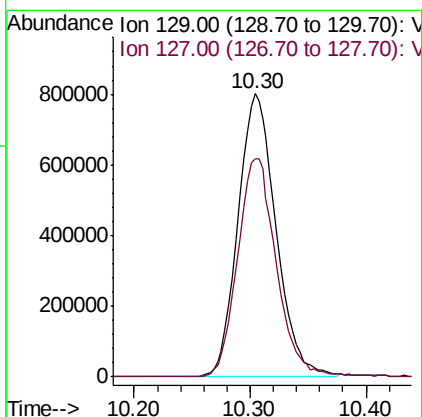
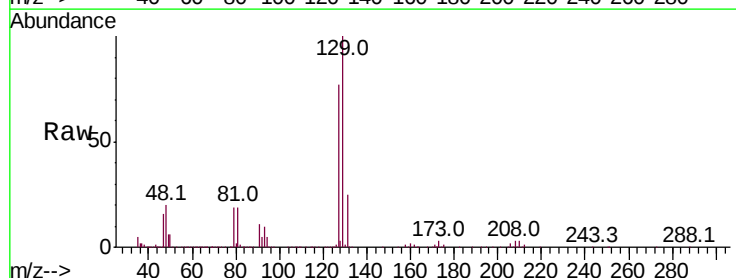
RT: 10.30 min Scan# 2338

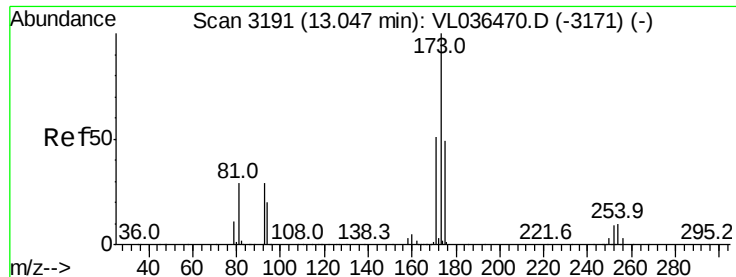
Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.0	39.6	118.8	





#49

Bromoform

Concen: 10.322 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1489436

Ion Ratio Lower Upper

173 100

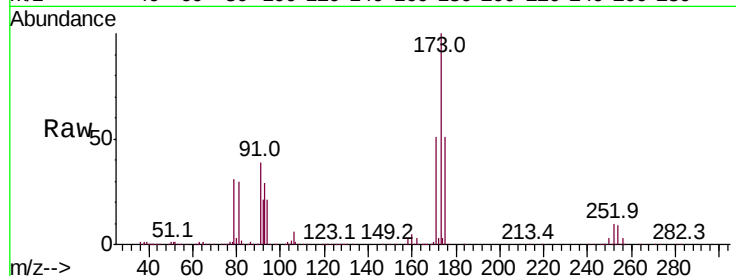
175 50.7 39.6 59.4

171 53.2 41.4 62.0

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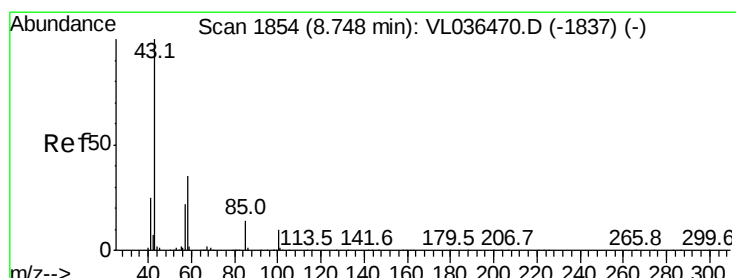
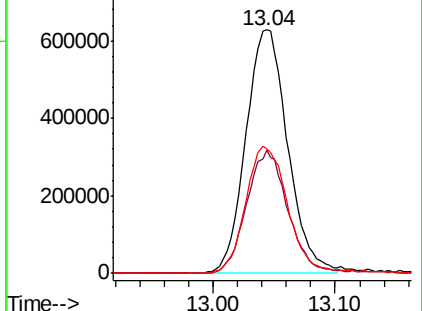
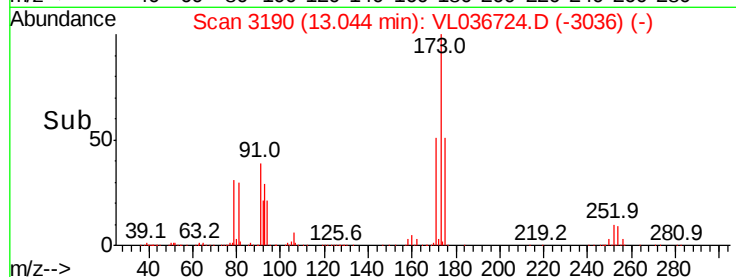
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.891 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL036724.D

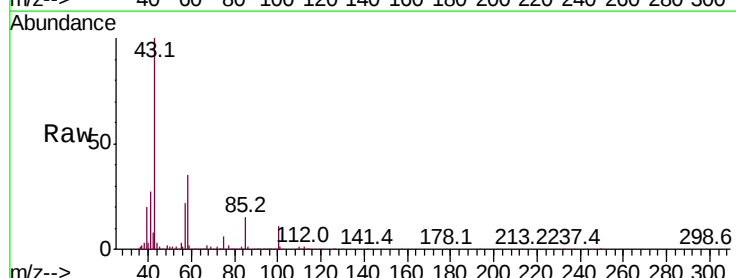
Acq: 7 Apr 2021 11:02

Tgt Ion: 43 Resp: 1946766

Ion Ratio Lower Upper

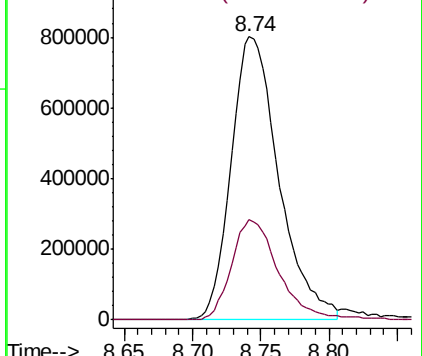
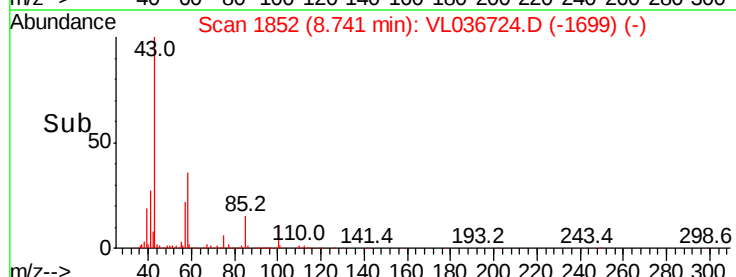
43 100

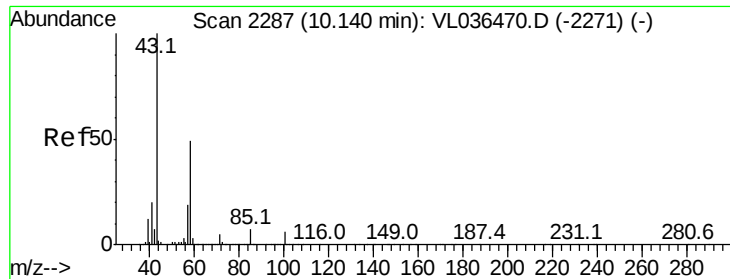
58 35.4 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.481 ppbv

RT: 10.14 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1047653

Ion Ratio Lower Upper

43 100

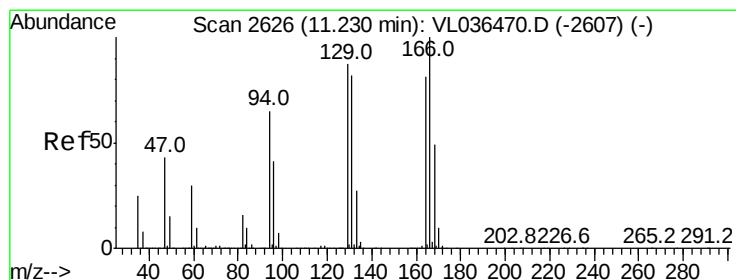
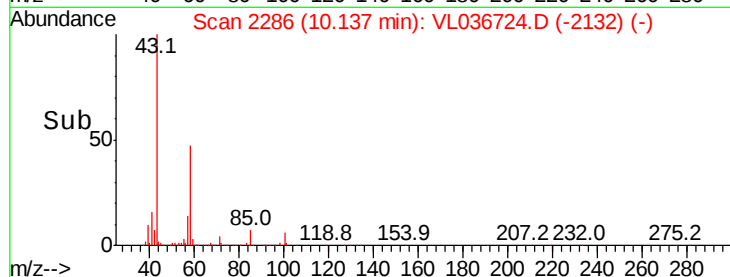
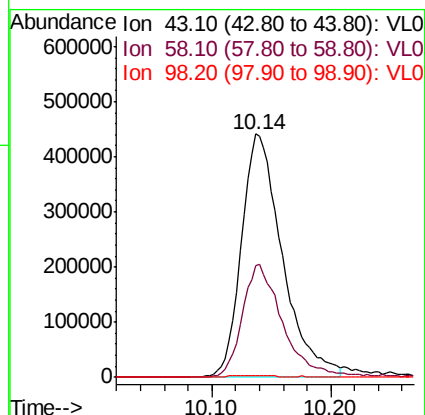
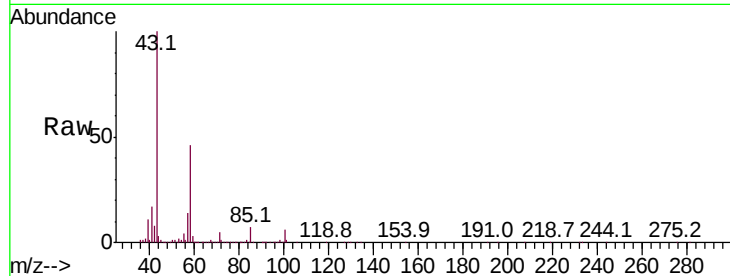
58 46.3 37.7 56.5

98 1.0 0.2 0.2#

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#52

Tetrachloroethene

Concen: 8.963 ppbv

RT: 11.22 min Scan# 2624

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Tgt Ion: 164 Resp: 943625

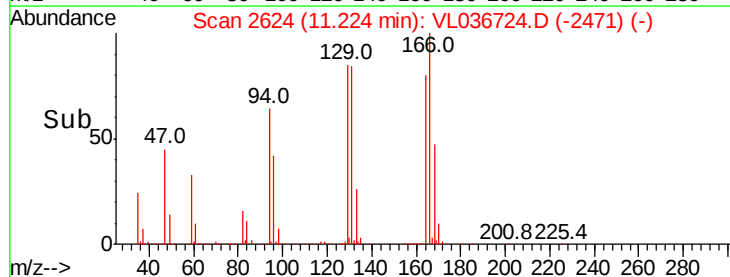
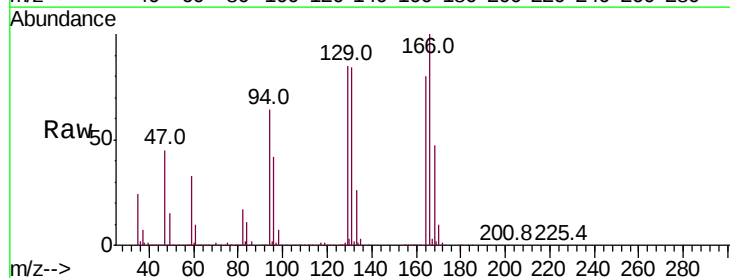
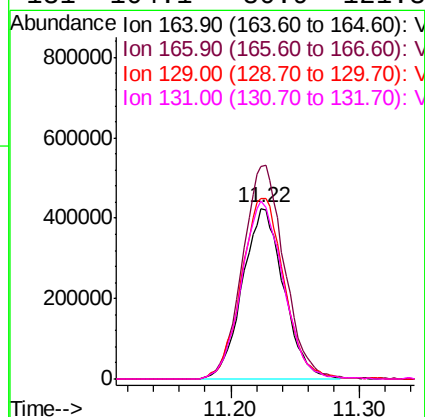
Ion Ratio Lower Upper

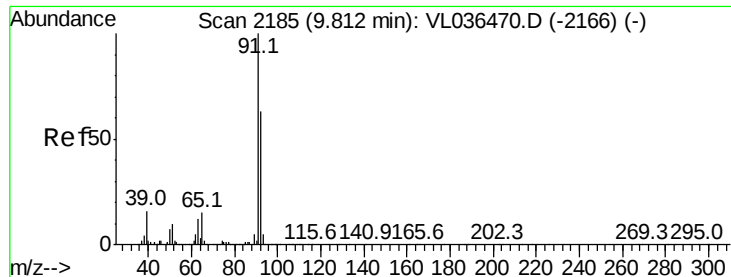
164 100

166 124.4 98.3 147.5

129 105.4 85.8 128.8

131 104.1 80.9 121.3





#53

Toluene

Concen: 10.164 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3094745

Ion Ratio Lower Upper

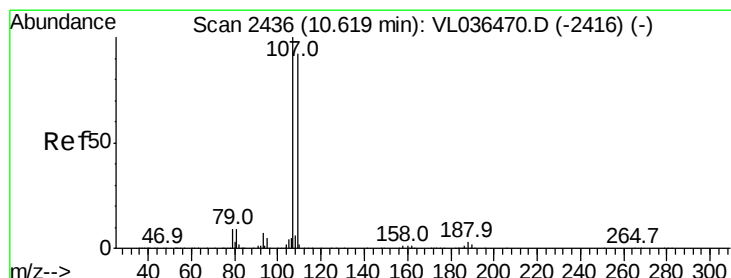
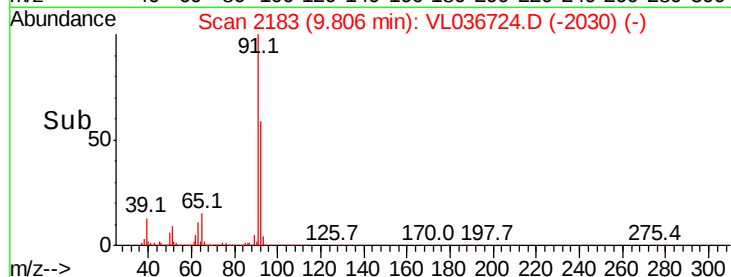
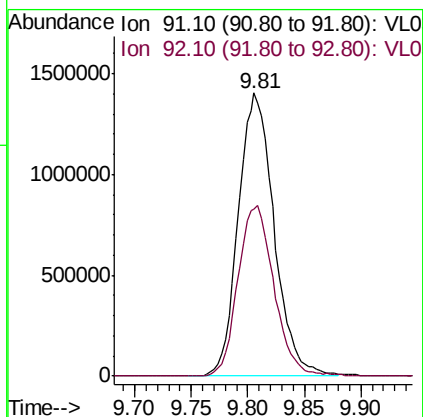
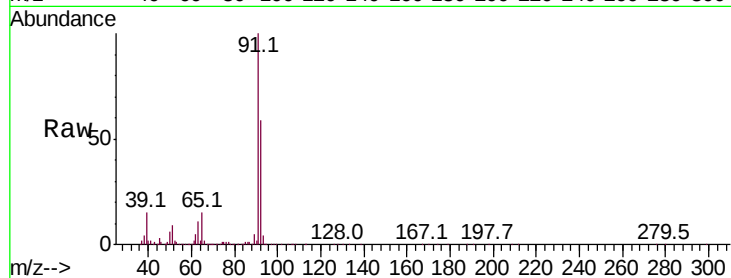
91 100

92 61.0 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 9.753 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.01 min

Lab File: VL036724.D

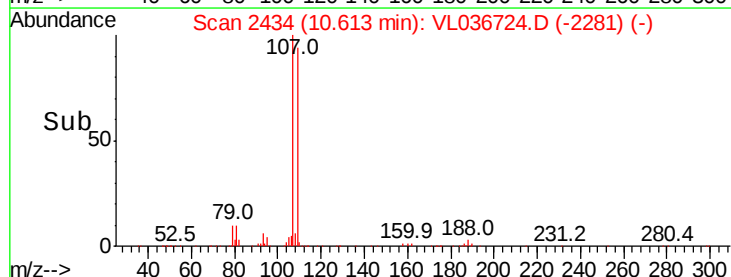
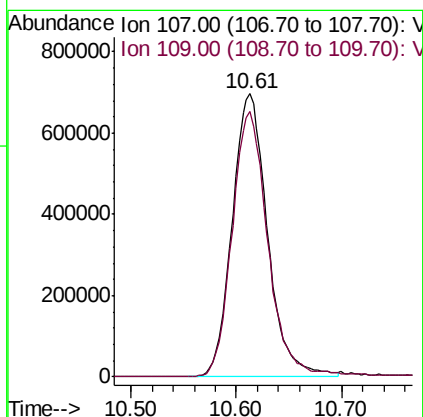
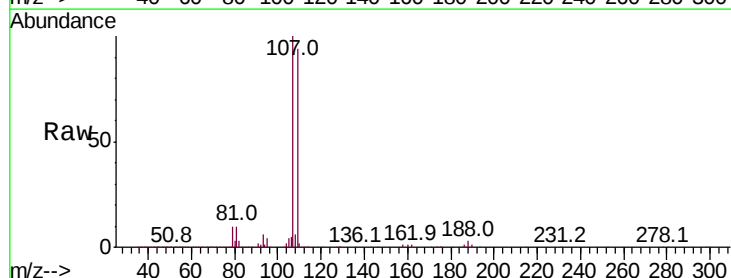
Acq: 7 Apr 2021 11:02

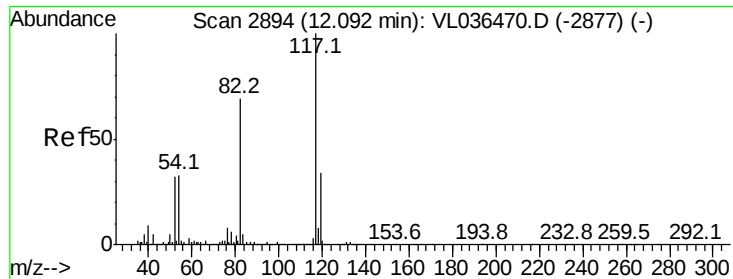
Tgt Ion: 107 Resp: 1618120

Ion Ratio Lower Upper

107 100

109 93.6 73.9 110.9





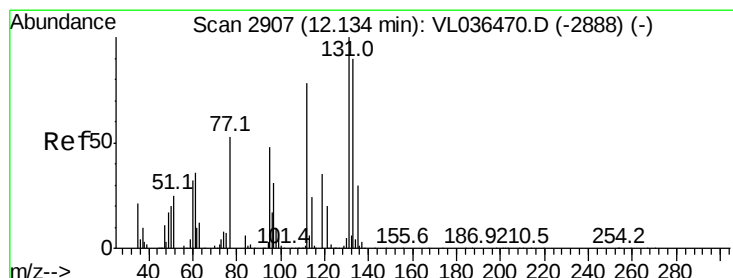
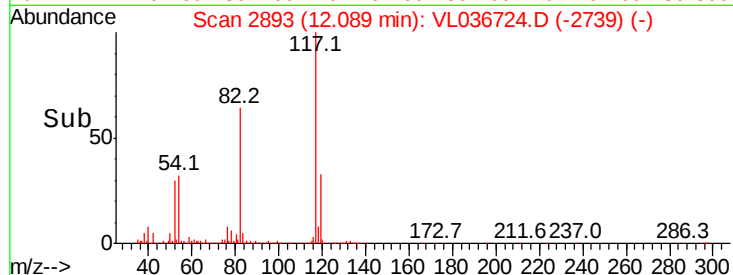
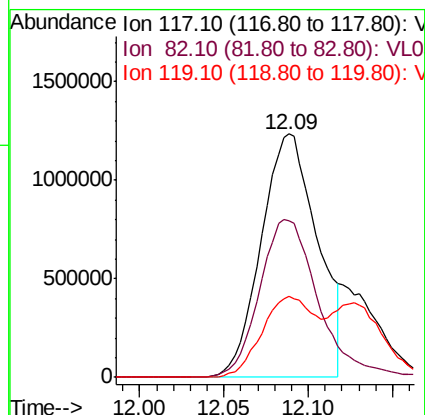
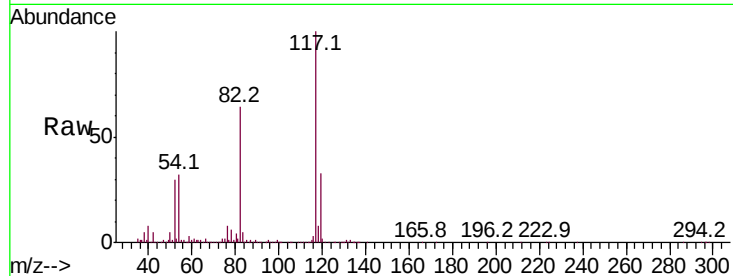
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2870238
Ion Ratio Lower Upper
117 100
82 68.7 57.4 86.0
119 33.2 47.4 71.0#

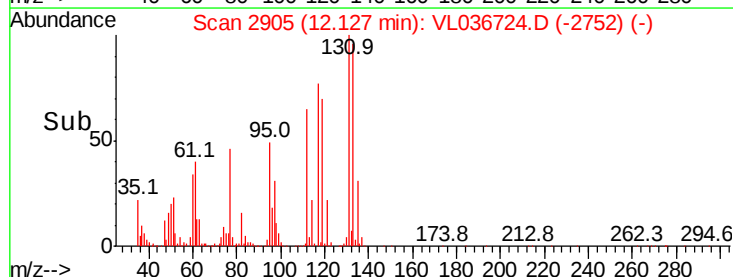
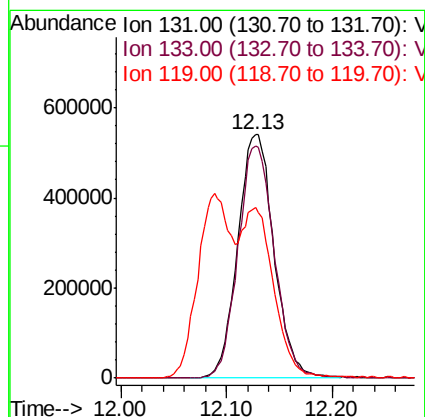
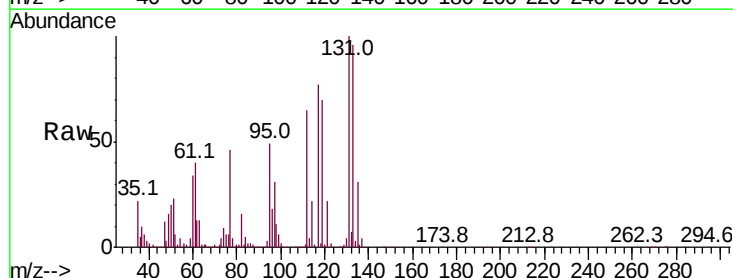
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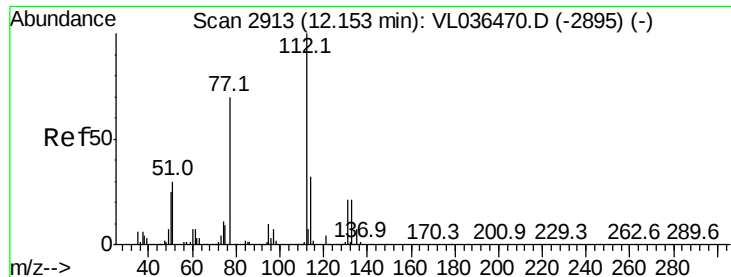
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.928 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion:131 Resp: 1288808
Ion Ratio Lower Upper
131 100
133 95.8 75.8 113.6
119 69.5 48.7 73.1





#57

Chlorobenzene

Concen: 9.489 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

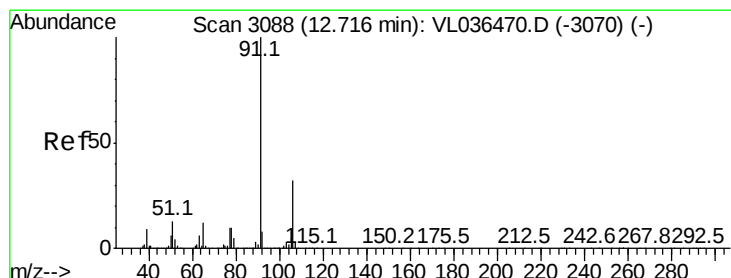
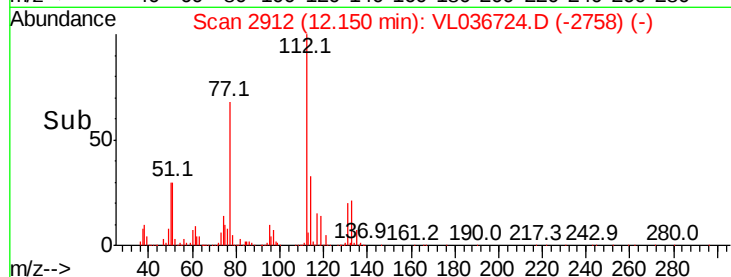
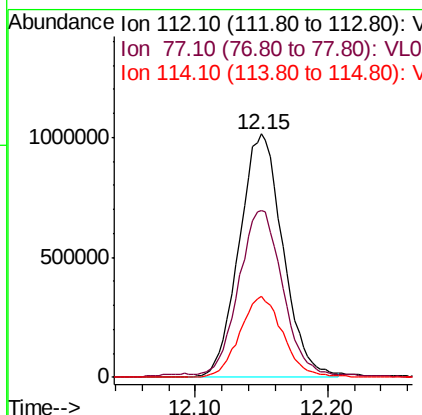
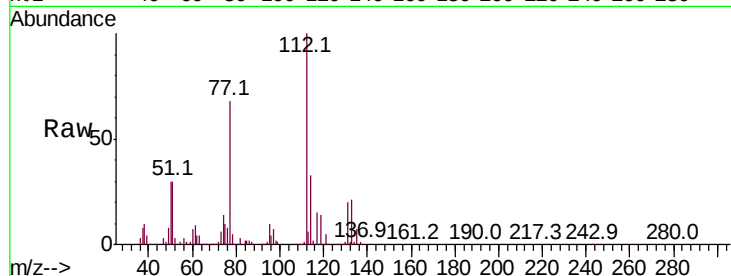
ClientSampleId :

VSTDCCC010EC

Tot Ion:	112	Resp:	2317437
Ion	Ratio	Lower	Upper
112	100		
77	67.5	56.0	84.0
114	32.9	29.0	35.4

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#58

Ethyl Benzene

Concen: 10.060 ppbv

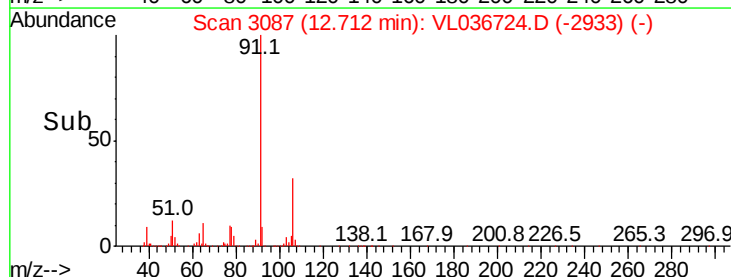
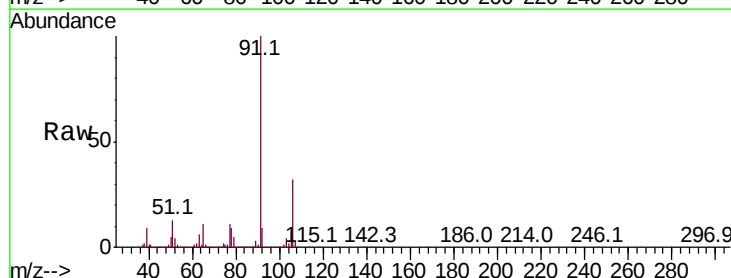
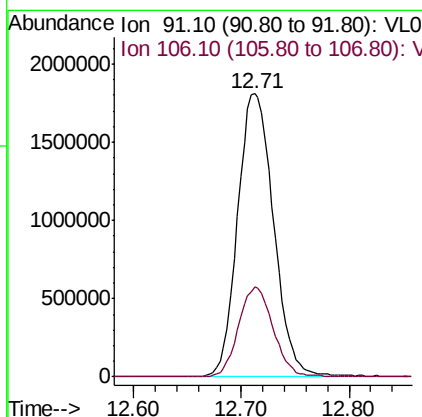
RT: 12.71 min Scan# 3087

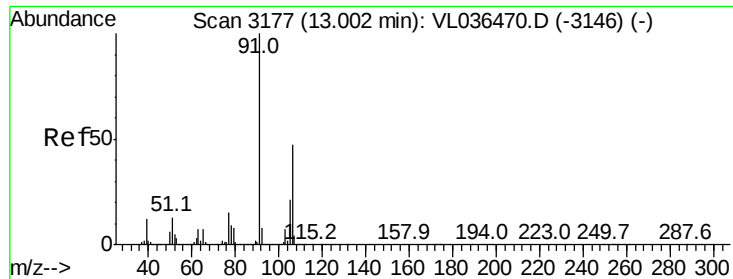
Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Tgt Ion:	91	Resp:	4200659
Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.3	37.9





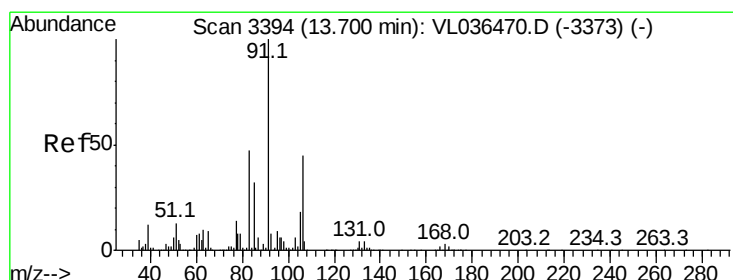
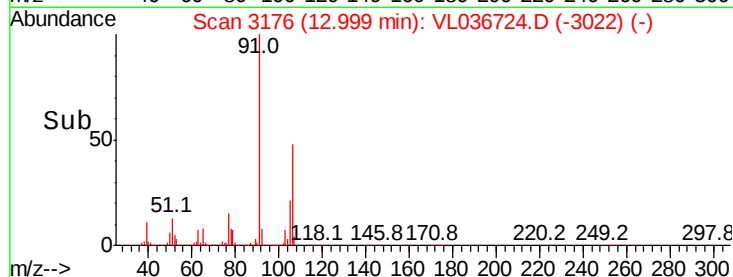
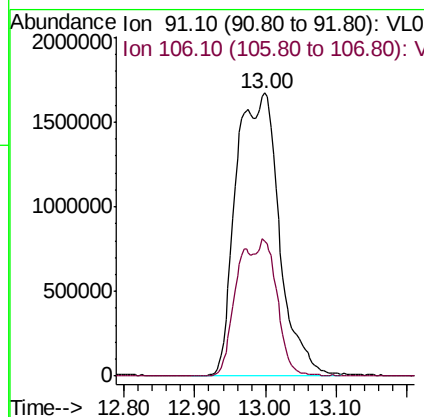
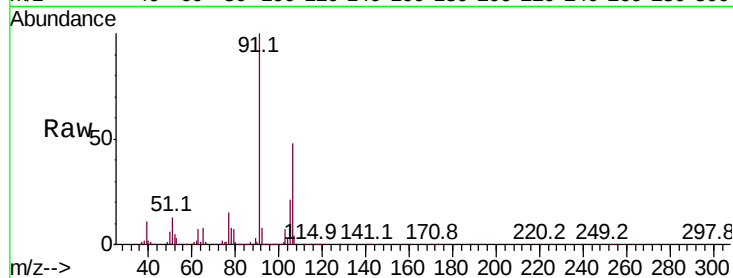
#59
m/p-Xylene
Concen: 19.556 ppbv m
RT: 13.00 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7122614
Ion Ratio Lower Upper
91 100
106 44.0 35.3 52.9

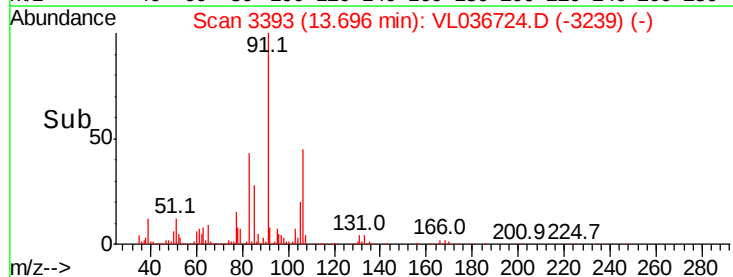
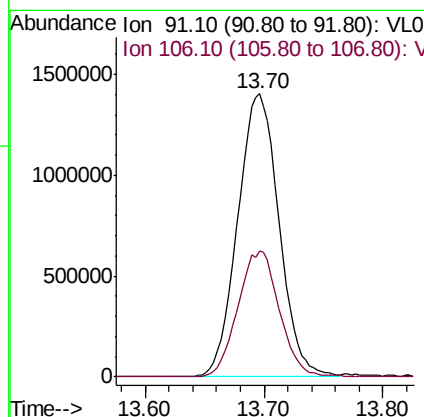
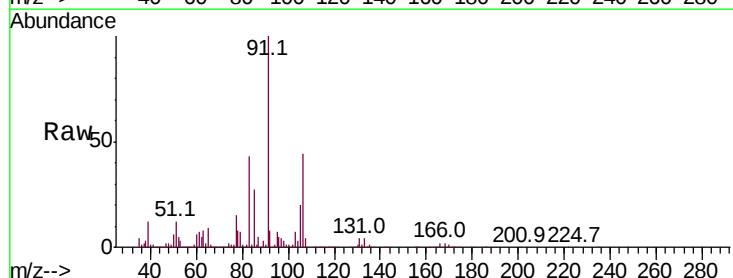
Manual Integrations
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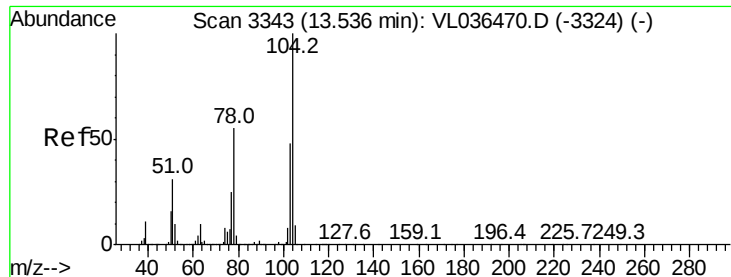
MMDadoda
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#60
o-Xylene
Concen: 9.528 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion: 91 Resp: 3355453
Ion Ratio Lower Upper
91 100
106 45.1 22.3 66.9





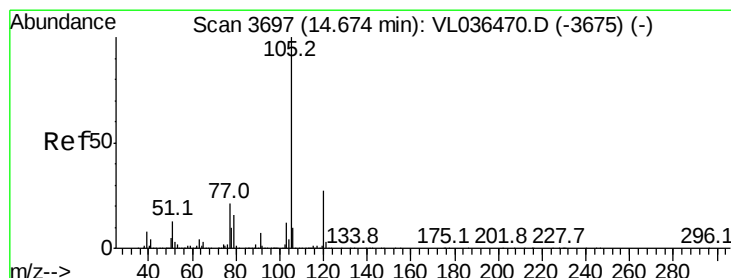
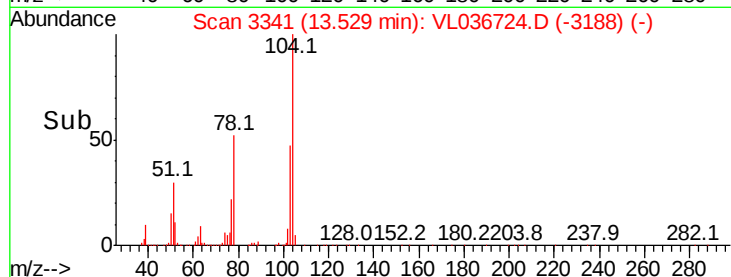
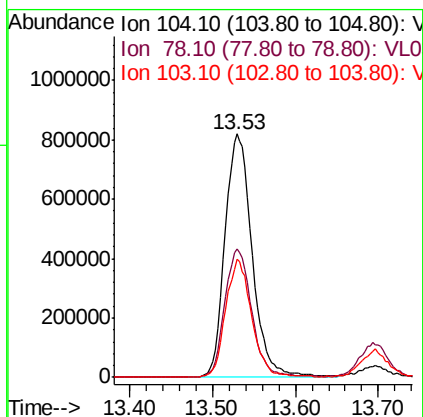
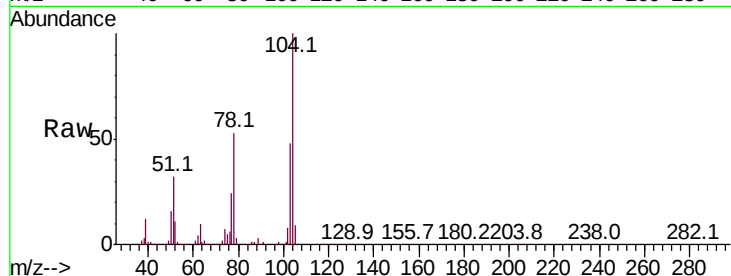
#61
Stvrene
Concen: 10.552 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.8	65.8
103	46.6	38.3	57.5

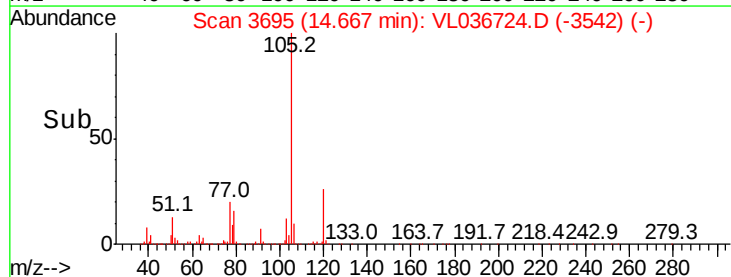
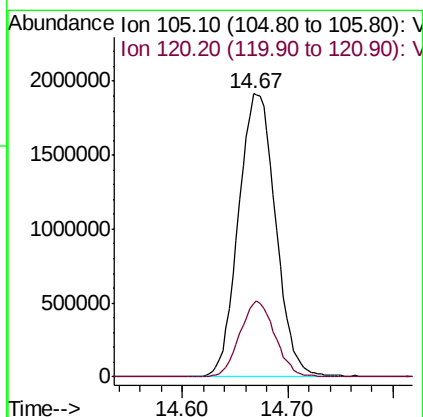
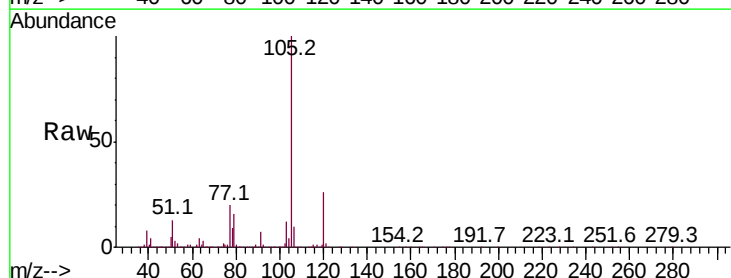
Manual Integrations
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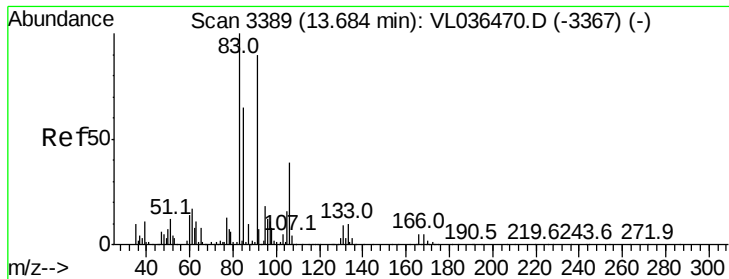
MMDadoda
4/12/2021 11:12:26 AM



#62
Isopropylbenzene
Concen: 9.909 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. -0.01 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.6	31.0





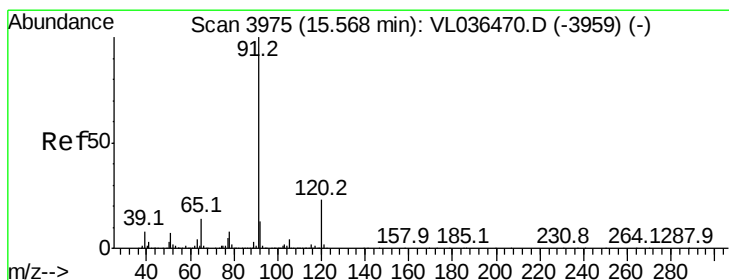
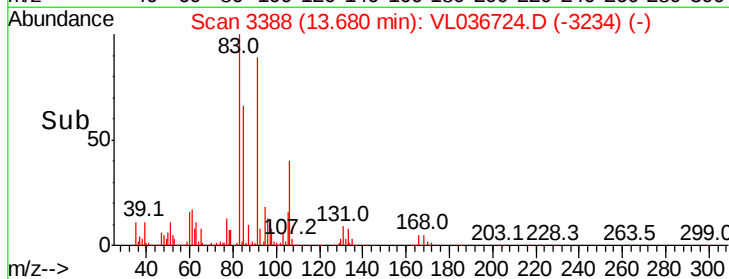
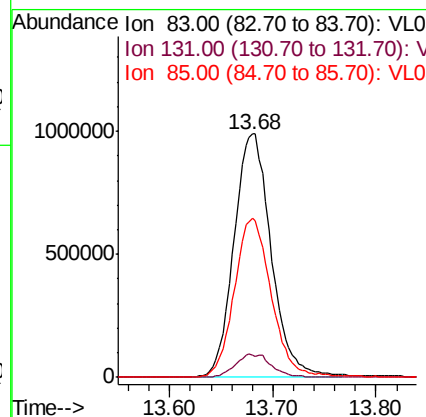
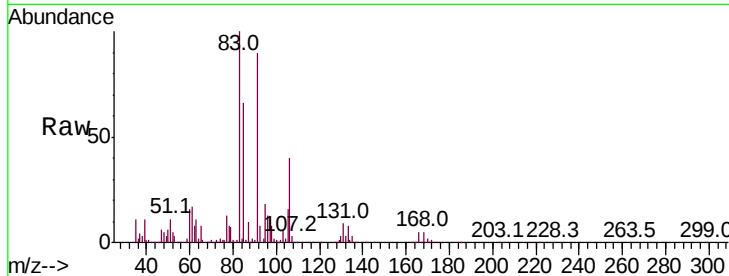
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.255 ppbv
 RT: 13.68 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.0
85	65.6	33.1	99.3

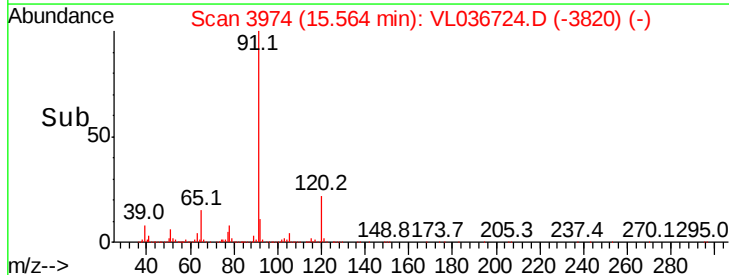
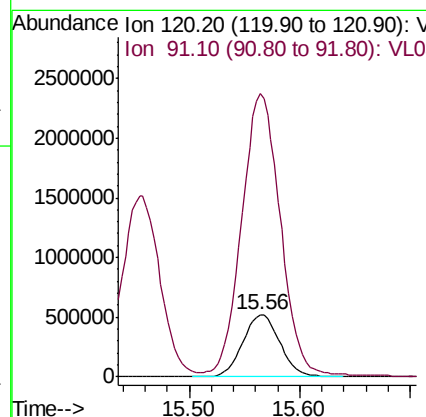
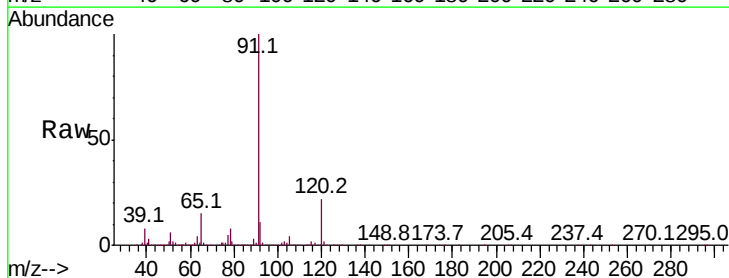
Manual Integrations
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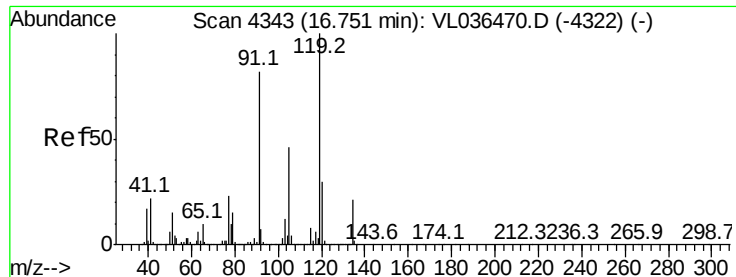
MMDadoda
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#64
 n-propylbenzene
 Concen: 10.556 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. -0.00 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Tgt Ion	Ratio	Lower	Upper
120	100		
91	475.0	377.4	566.2





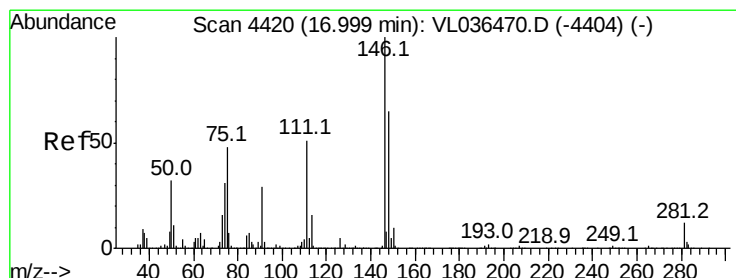
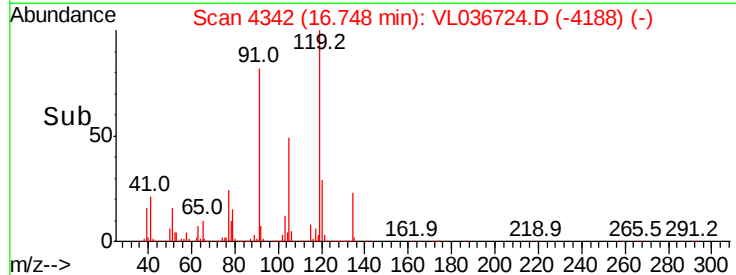
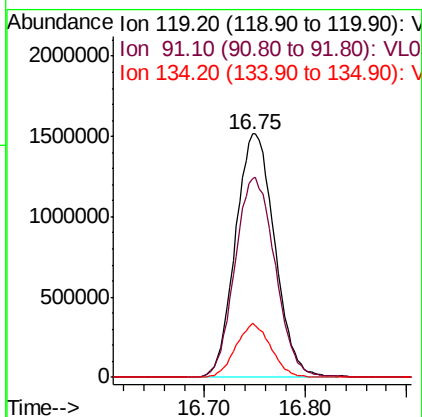
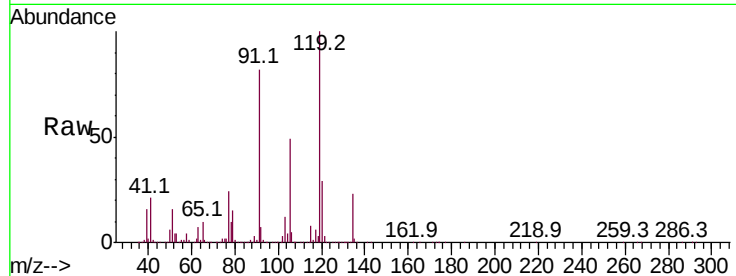
#65
tert-Butylbenzene
Concen: 9.909 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.6	67.5	101.3
134	19.9	15.8	23.8

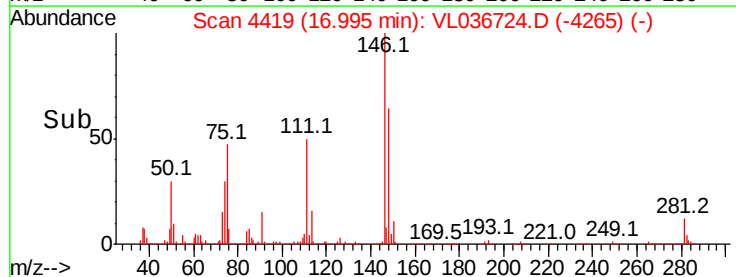
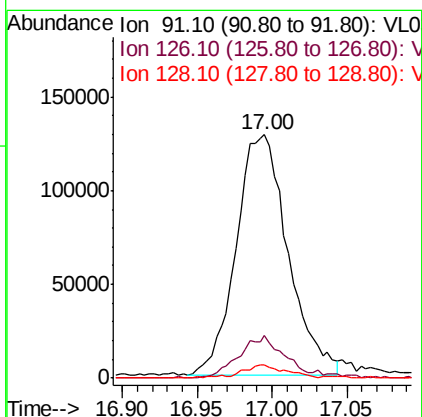
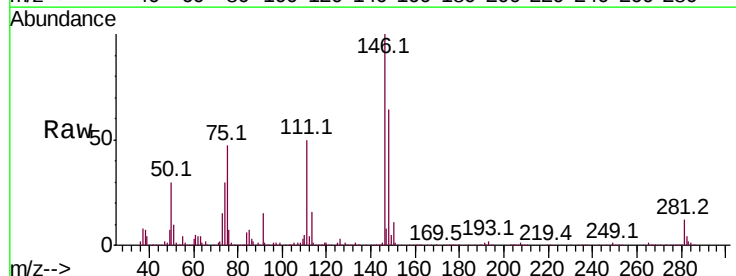
Manual Integrations
APPROVED

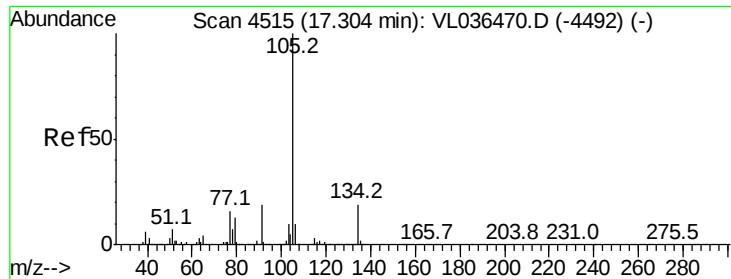
MMDadoda
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#66
Benzyl Chloride
Concen: 6.783 ppbv
RT: 17.00 min Scan# 4419
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.7	13.5	20.3
128	5.1	4.2	6.4





#67

sec-Butylbenzene

Concen: 9.923 ppbv

RT: 17.30 min Scan# 4514

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 5759952

Ion Ratio Lower Upper

105 100

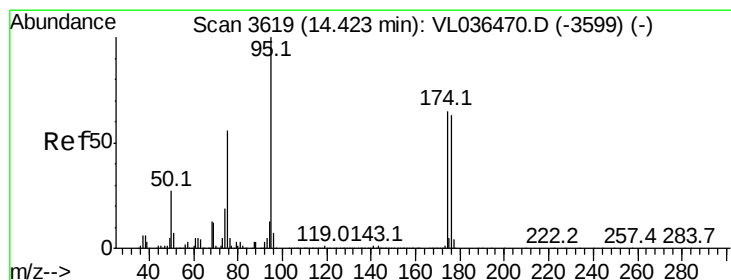
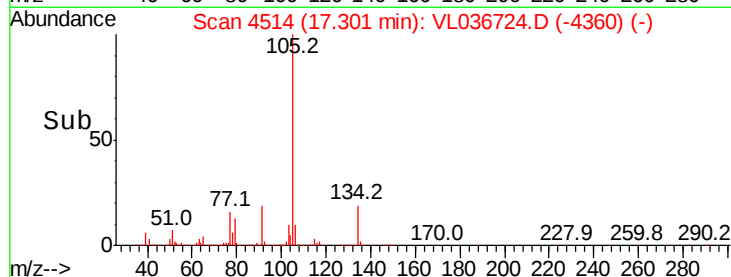
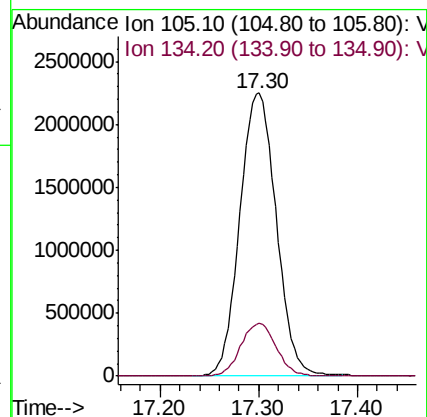
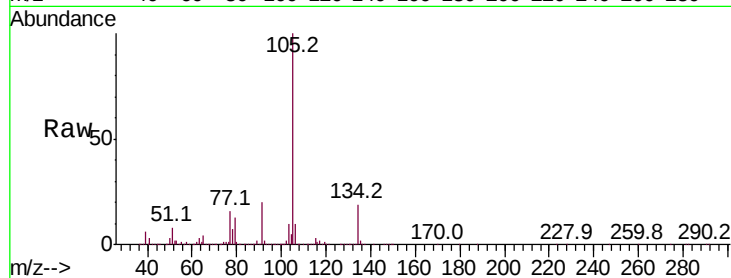
134 18.3 14.7 22.1

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.644 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

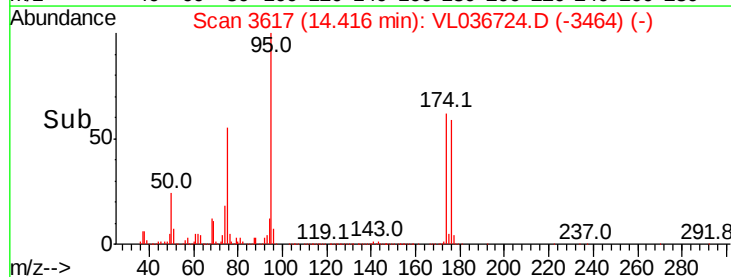
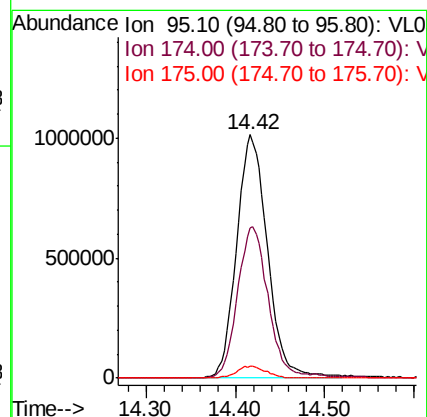
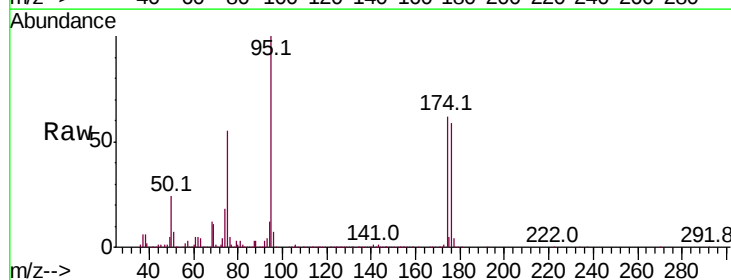
Tgt Ion: 95 Resp: 2434997

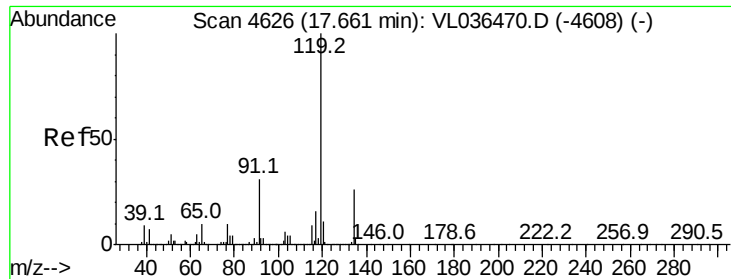
Ion Ratio Lower Upper

95 100

174 63.0 51.0 76.6

175 4.8 3.9 5.9





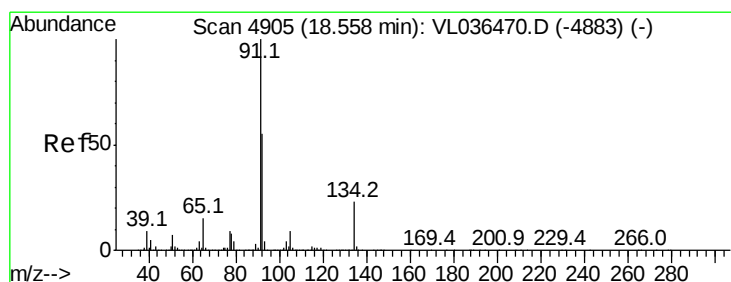
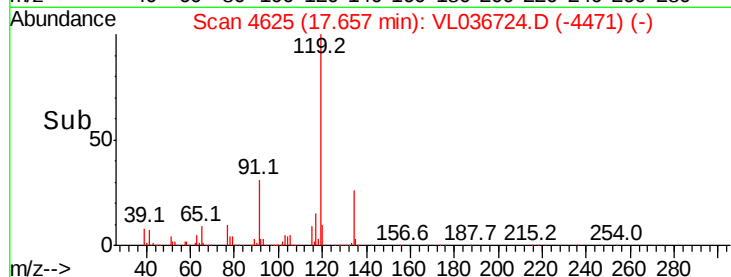
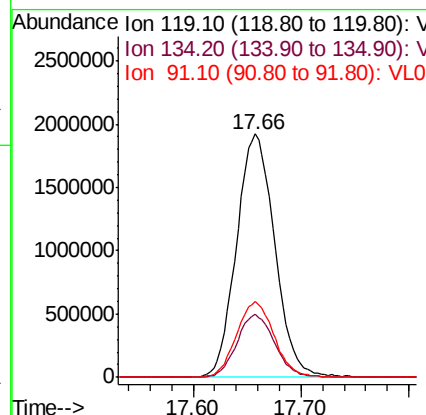
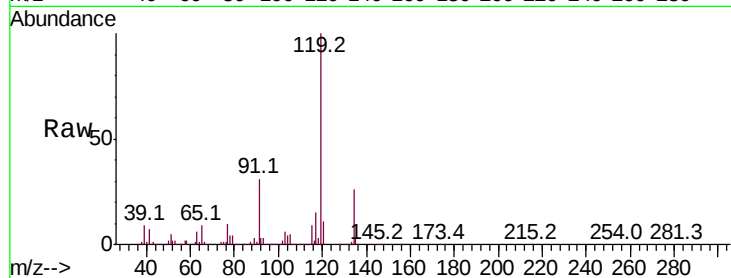
#69
p-Isopropyltoluene
Concen: 10.450 ppbv
RT: 17.66 min Scan# 4625
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	30.8
91	30.8	25.0	37.6

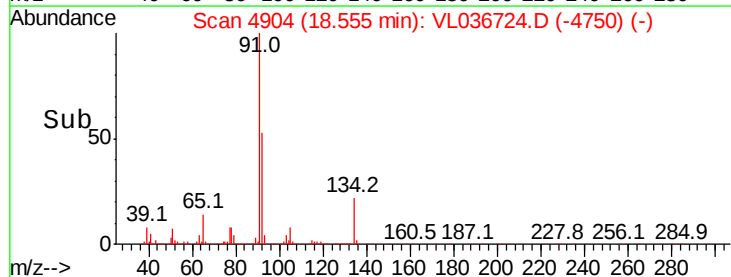
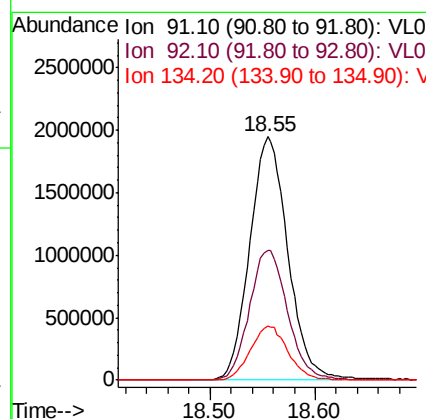
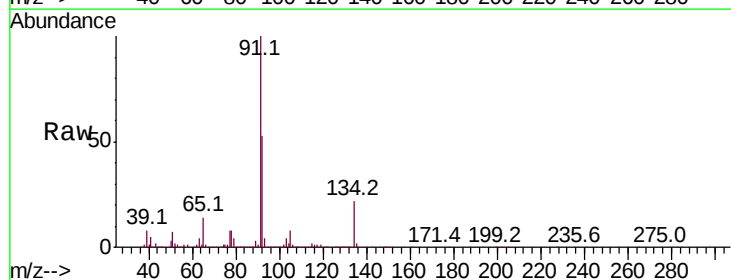
Manual Integrations
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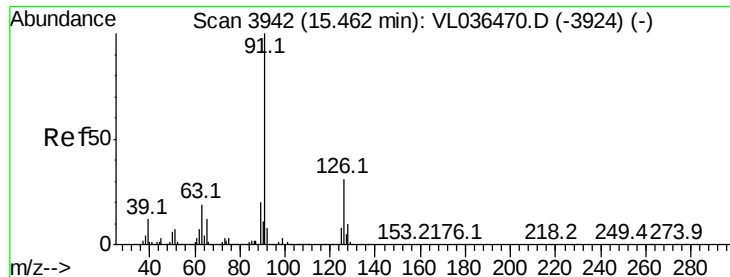
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#70
n-Butylbenzene
Concen: 10.410 ppbv
RT: 18.55 min Scan# 4904
Delta R.T. -0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.8	65.8
134	22.1	18.0	27.0





#71

2-Chlorotoluene

Concen: 10.128 ppbv

RT: 15.46 min Scan# 3941

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3599232

Ion Ratio Lower Upper

91 100

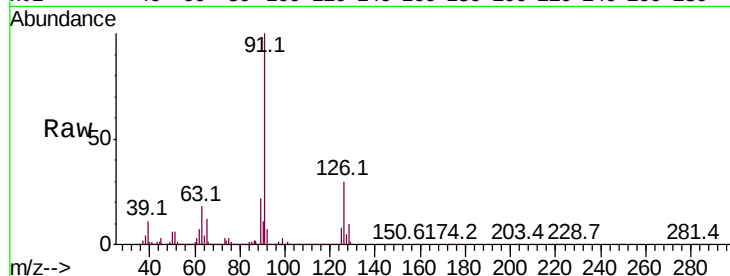
126 30.4 12.1 48.5

Manual Integrations

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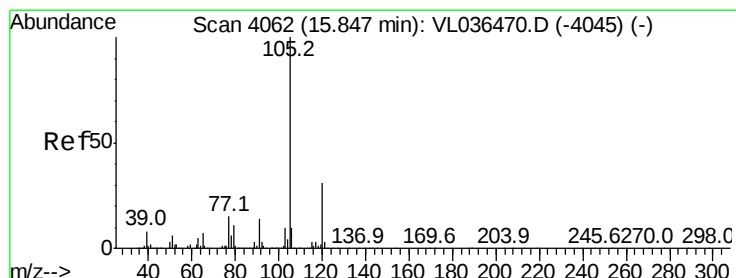
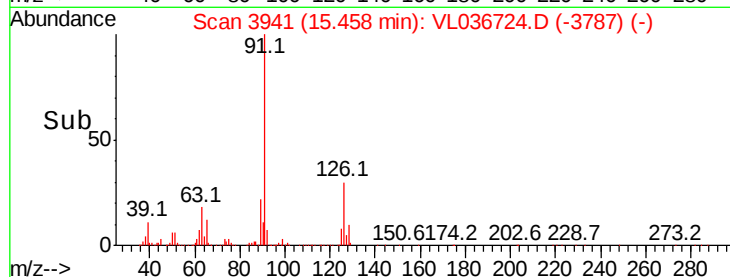
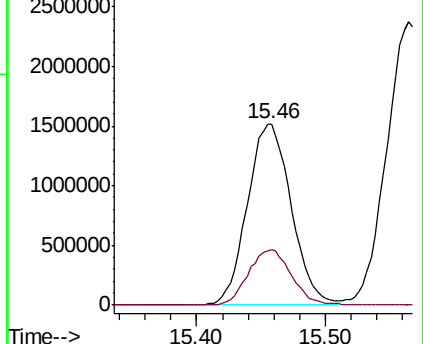
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.406 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Tgt Ion: 105 Resp: 4015457

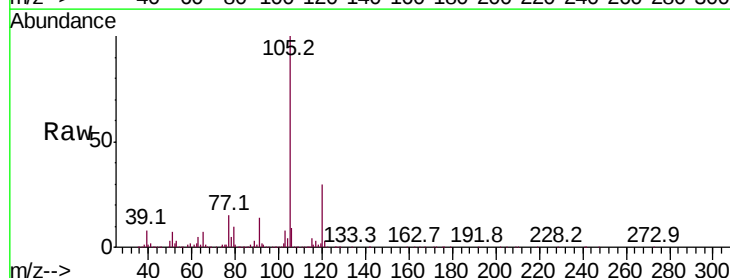
Ion Ratio Lower Upper

105 100

120 29.5 24.0 36.0

91 13.4 11.0 16.4

77 14.4 11.7 17.5

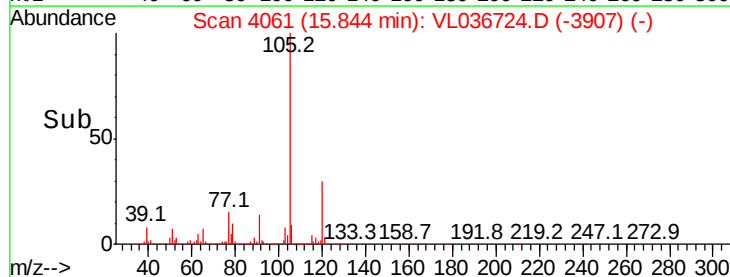
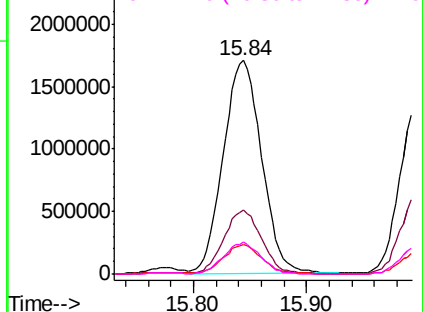


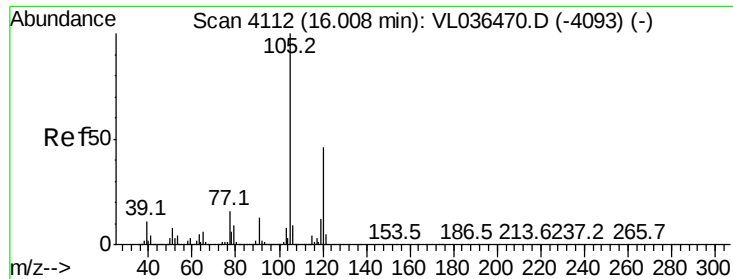
Abundance Ion 105.10 (104.80 to 105.80): V

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





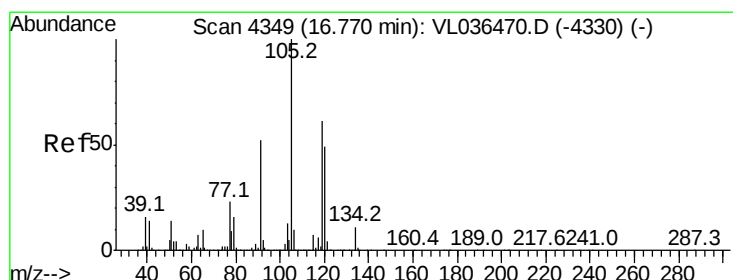
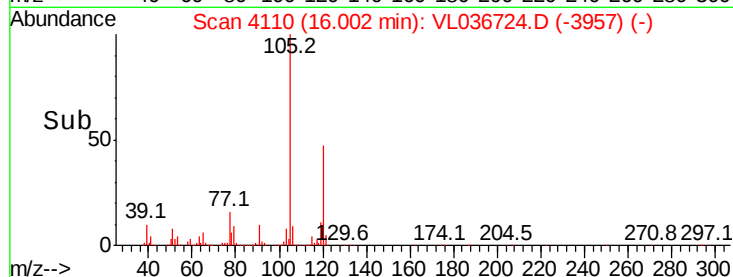
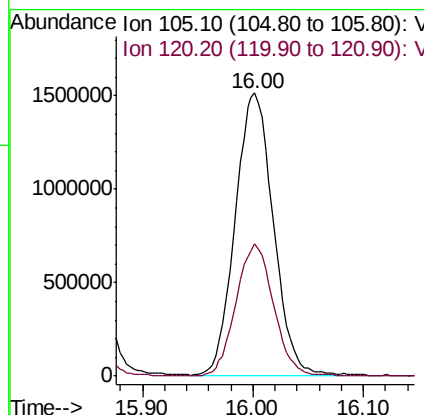
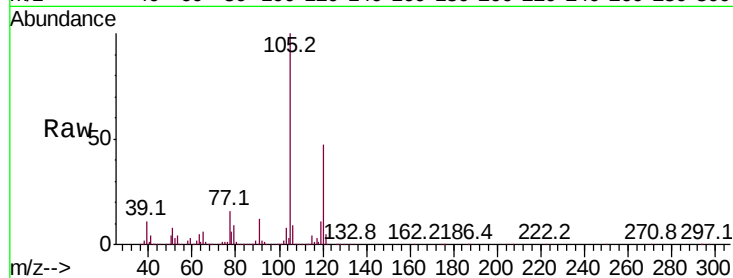
#73
 1,3,5-Trimethylbenzene
 Concen: 9.996 ppbv
 RT: 16.00 min Scan# 4110
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 3600124
 Ion Ratio Lower Upper
 105 100
 120 46.9 36.6 54.8

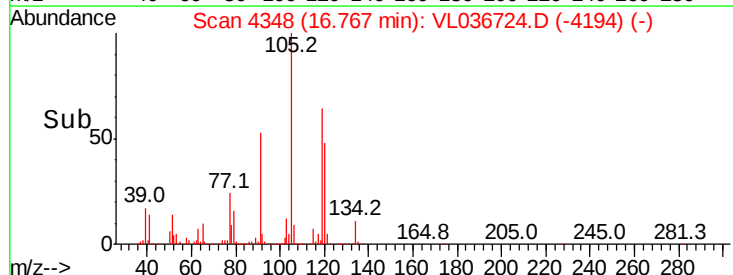
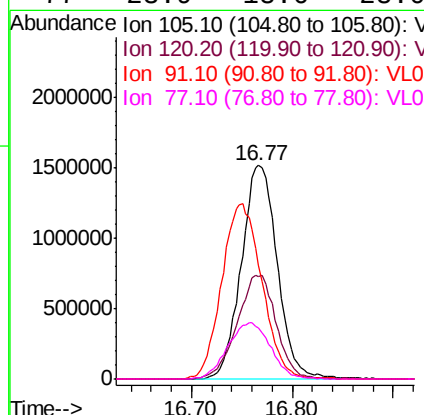
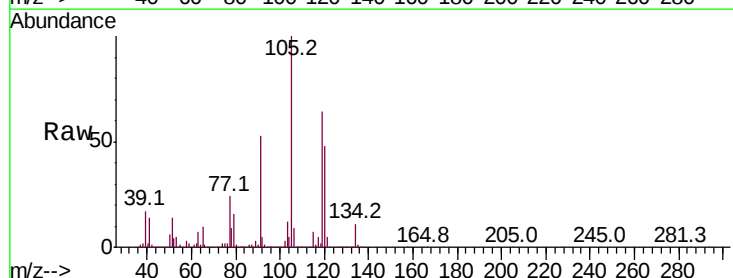
Manual Integrations
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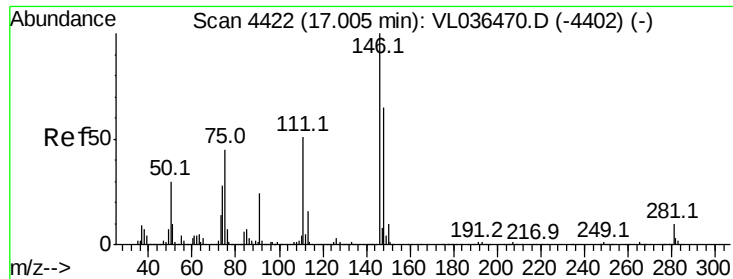
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.726 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. -0.00 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Tgt Ion:105 Resp: 3748847
 Ion Ratio Lower Upper
 105 100
 120 47.7 39.2 58.8
 91 52.8 42.6 64.0
 77 23.9 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 10.194 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2211626

Ion Ratio Lower Upper

146 100

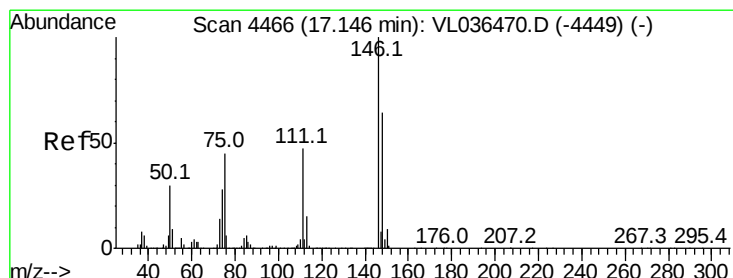
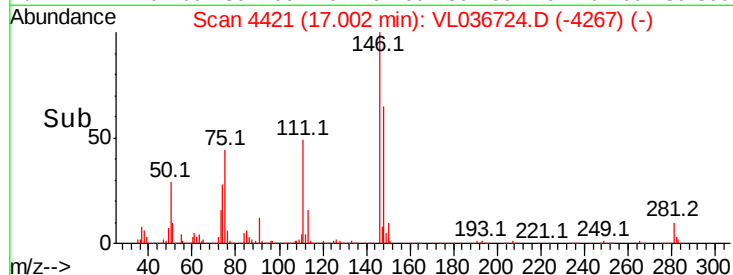
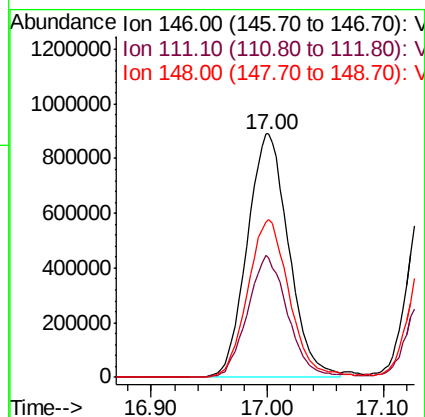
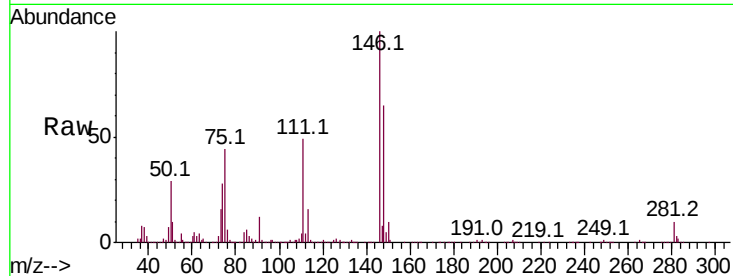
111 48.6 24.5 73.5

148 65.0 32.3 96.9

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 9.871 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

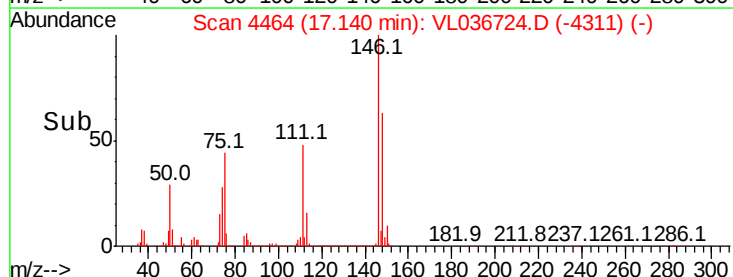
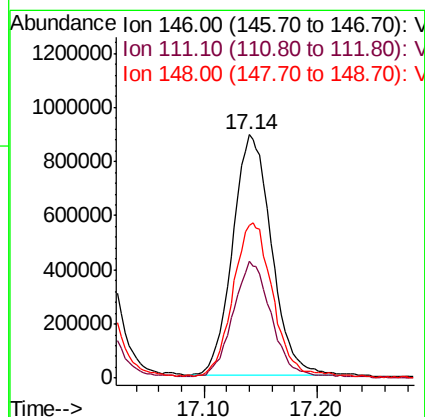
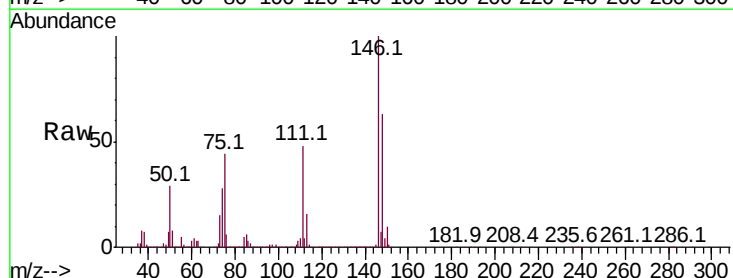
Tgt Ion:146 Resp: 2126242

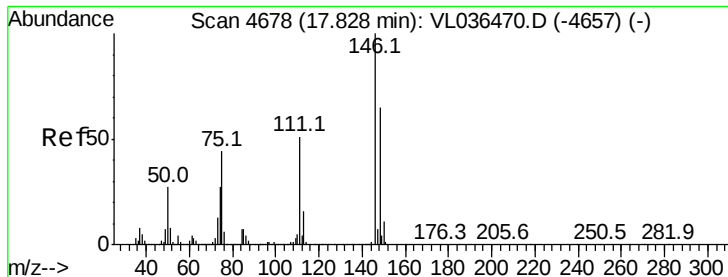
Ion Ratio Lower Upper

146 100

111 48.5 24.3 72.8

148 66.6 33.0 98.9





#77

1,2-Dichlorobenzene

Concen: 10.464 ppbv

RT: 17.82 min Scan# 4675

Delta R.T. -0.01 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2133964

Ion Ratio Lower Upper

146 100

111 49.9 25.5 76.5

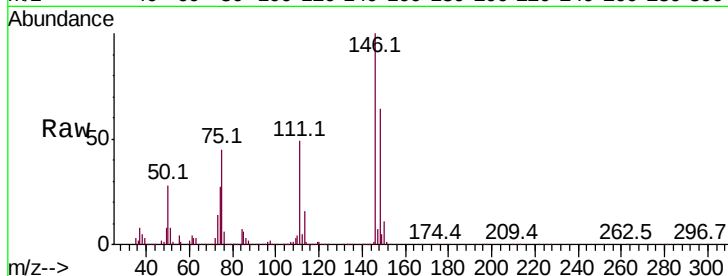
148 65.1 32.9 98.6

Manual Integrations

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MMDadoda

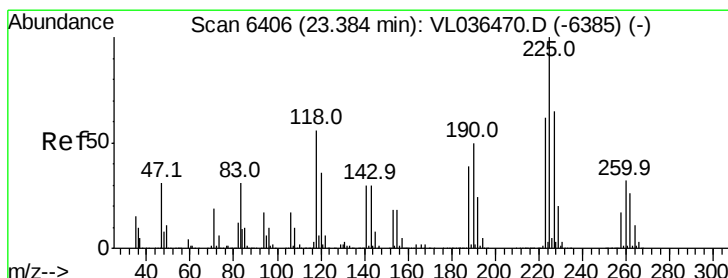
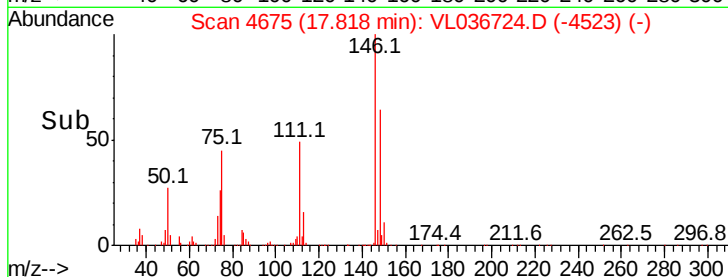
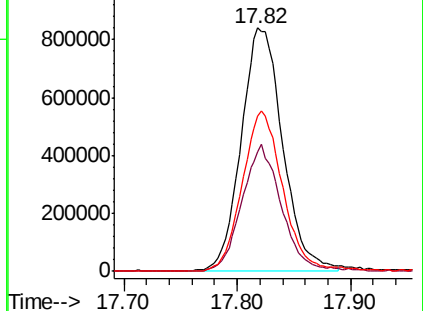
4/12/2021 11:12:26 AM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.206 ppbv

RT: 23.38 min Scan# 6406

Delta R.T. -0.00 min

Lab File: VL036724.D

Acq: 7 Apr 2021 11:02

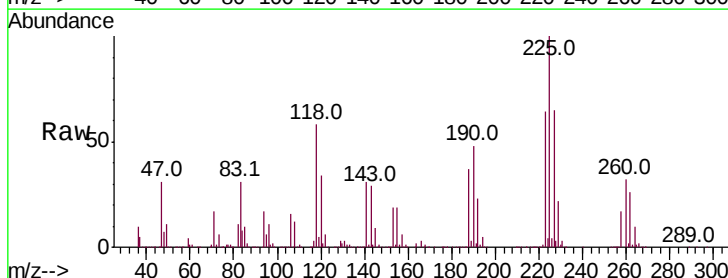
Tgt Ion:225 Resp: 1681418

Ion Ratio Lower Upper

225 100

223 64.4 50.6 75.8

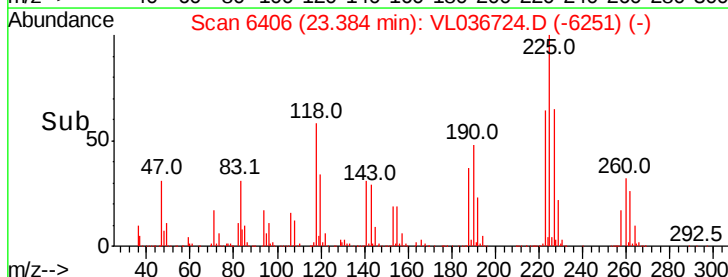
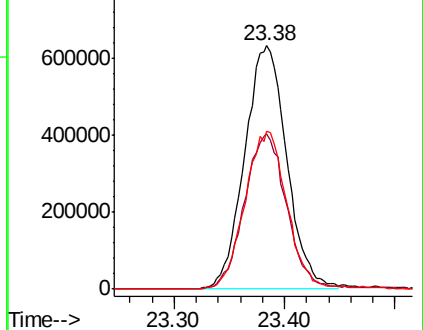
227 65.1 52.2 78.2

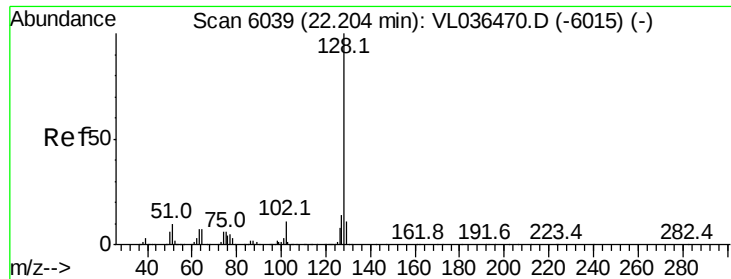


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





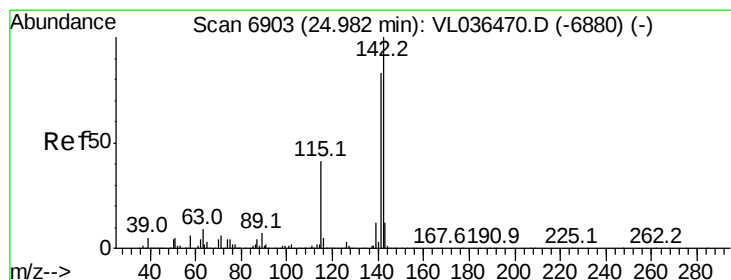
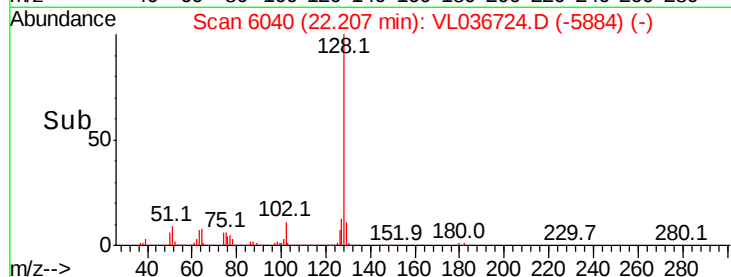
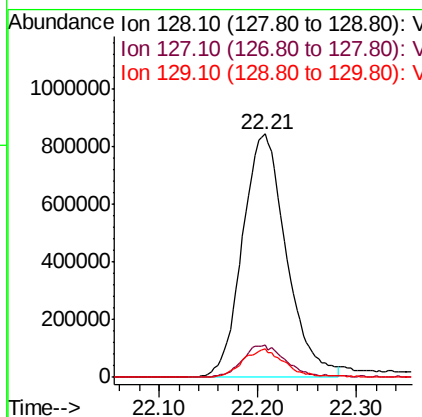
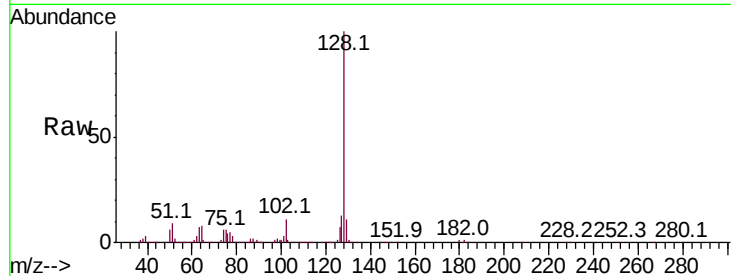
#79
Naphthalene
Concen: 11.525 ppbv
RT: 22.21 min Scan# 6040
Delta R.T. 0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.9	16.3
129	11.5	9.0	13.4

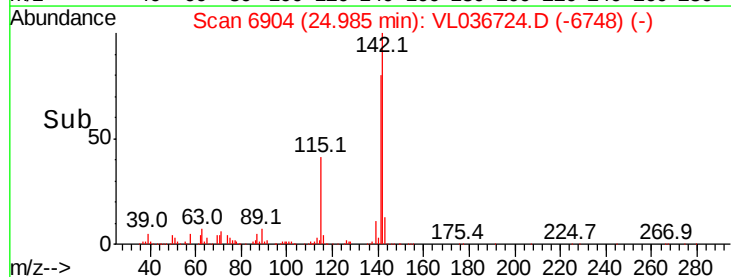
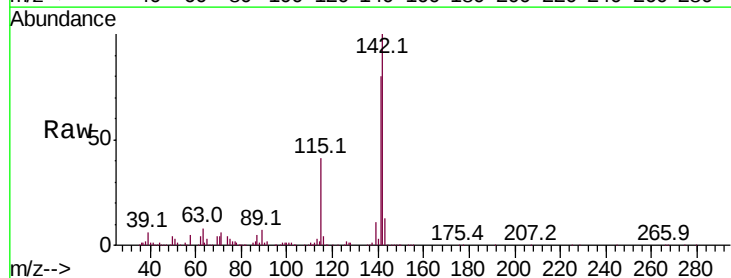
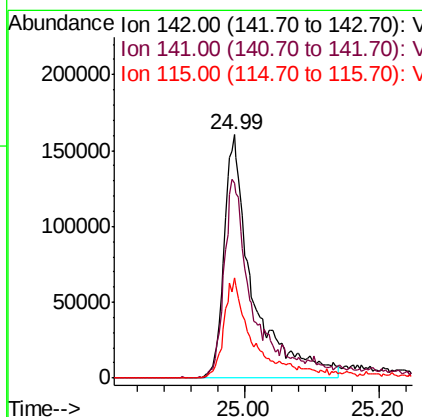
Manual Integrations
APPROVED

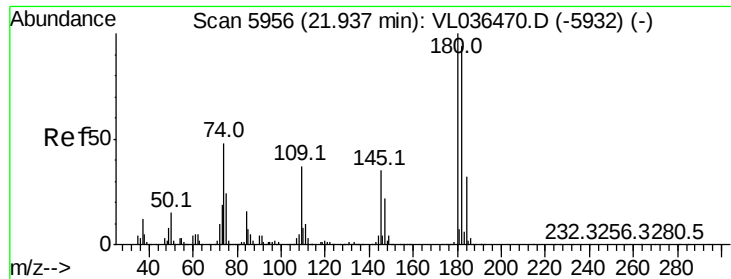
MMDadoda
4/12/2021 11:12:26 AM



#80
Naphthalene, 2-methyl-
Concen: 10.799 ppbv
RT: 24.99 min Scan# 6904
Delta R.T. 0.00 min
Lab File: VL036724.D
Acq: 7 Apr 2021 11:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.2	67.8	101.8
115	44.2	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 11.517 ppbv m
 RT: 21.93 min Scan# 5954
 Delta R.T. -0.01 min
 Lab File: VL036724.D
 Acq: 7 Apr 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	80.8	121.2#
184	0.0	25.0	37.4#

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:12:26 AM

