

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036748.D
 Acq On : 8 Apr 2021 12:47
 Operator : SY/AP
 Sample : VL0408ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0408ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:46:31 AM

Quant Time: Apr 09 08:51:09 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	1247021	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3127809	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2978003	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2318203	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1809369	8.896	ppbv	98
3) Chlorodifluoromethane	2.98	51	2311564	9.921	ppbv	100
4) Chloromethane	3.13	50	753165	9.152	ppbv	99
5) Vinyl Chloride	3.25	62	755042	8.923	ppbv	96
6) Bromomethane	3.47	94	394415	8.466	ppbv	97
7) Chloroethane	3.55	64	254334	8.747	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	1801471	9.280	ppbv	98
9) Propene	3.00	41	685669	9.231	ppbv	98
10) Heptane	8.12	43	1801054	9.518	ppbv	98
11) Trichlorofluoromethane	3.94	101	1836149	8.858	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1189802	8.978	ppbv	99
13) Ethanol	3.60	45	76696	8.671	ppbv	98
14) Bromoethene	3.74	108	500437	9.083	ppbv	99
15) Acetone	3.84	43	977707	7.966	ppbv	98
16) 1,3-Butadiene	3.32	39	789167	9.236	ppbv	98
17) tert-Butyl alcohol	4.29	59	1024615	9.590	ppbv	100
18) 1,1-Dichloroethene	4.28	96	511839	8.683	ppbv	93
19) Isopropyl Alcohol	3.96	45	586383	8.685	ppbv	98
20) Methylene Chloride	4.34	84	443455	7.717	ppbv	93
21) Allyl Chloride	4.40	41	837956	8.565	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	503720	9.217	ppbv	97
23) Vinyl Acetate	5.07	43	1818250	8.661	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1381085	9.025	ppbv	98
25) Ethyl Acetate	5.67	43	2695584	9.238	ppbv	99
26) Hexane	5.68	57	1255428	9.271	ppbv	99
27) Carbon Disulfide	4.54	76	1292603	9.690	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1426344	8.932	ppbv	99
29) Chloroform	5.74	83	2036490	9.404	ppbv	100
30) Cyclohexane	7.13	84	1118033m	10.181	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	1230483	9.395	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2059698	9.437	ppbv	99
34) 2-Butanone	5.24	43	1258372	8.242	ppbv	98
35) Carbon Tetrachloride	7.01	117	2187552	9.106	ppbv	96
36) Benzene	6.89	78	2689153	9.322	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1541041	9.077	ppbv	99
38) Trichloroethene	7.83	130	986935	8.791	ppbv	99
39) 1,2-Dichloropropane	7.61	63	1050104	8.974	ppbv	94
40) 1,4-Dioxane	7.83	88	258685m	9.498	ppbv	
41) Tetrahydrofuran	6.05	42	527772	7.497	ppbv	92
42) Bromodichloromethane	7.79	83	2175043	9.418	ppbv	99
43) Methyl Methacrylate	8.01	69	1002292	10.347	ppbv	98

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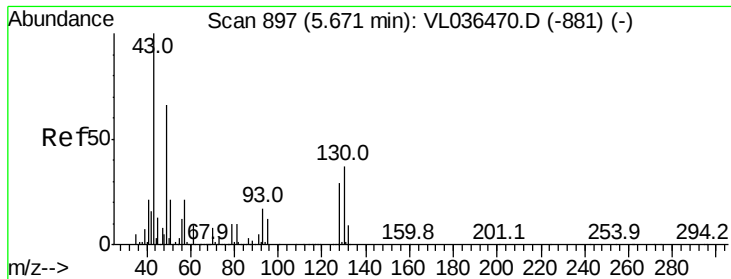
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4564602	8.991	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	964372	8.719	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1231619	8.711	ppbv	96
47) 1,1,2-Trichloroethane	9.47	97	1106409	9.335	ppbv	97
48) Dibromochloromethane	10.30	129	1802082	9.974	ppbv	100
49) Bromoform	13.04	173	1507458	10.355	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	1957396	8.860	ppbv	99
51) 2-Hexanone	10.14	43	1015077	9.105	ppbv #	99
52) Tetrachloroethene	11.22	164	914966	8.614	ppbv	99
53) Toluene	9.80	91	3038160	9.890	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1582604	9.455	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1280097	9.504	ppbv	95
57) Chlorobenzene	12.14	112	2295413	9.059	ppbv	97
58) Ethyl Benzene	12.71	91	4135340	9.545	ppbv	99
59) m/p-Xylene	12.99	91	7059154m	18.680	ppbv	
60) o-Xylene	13.69	91	3318436	9.082	ppbv	100
61) Styrene	13.52	104	1794794	9.764	ppbv	100
62) Isopropylbenzene	14.66	105	4627328	9.404	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2457807	8.818	ppbv	99
64) n-propylbenzene	15.56	120	1202817	9.998	ppbv	99
65) tert-Butylbenzene	16.74	119	4038750	9.466	ppbv	100
66) Benzyl Chloride	16.99	91	306856	6.506	ppbv	98
67) sec-Butylbenzene	17.29	105	5680746	9.432	ppbv	99
69) p-Isopropyltoluene	17.65	119	4699737	9.993	ppbv	99
70) n-Butylbenzene	18.55	91	4792029	9.827	ppbv	100
71) 2-Chlorotoluene	15.45	91	3578536	9.705	ppbv	99
72) 4-Ethyltoluene	15.84	105	3902578	9.747	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	3521763	9.424	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	3699719	9.252	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	2171462	9.647	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2108737	9.436	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2132230	10.077	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1662922	8.776	ppbv	99
79) Naphthalene	22.20	128	2568751	11.008	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	365255	7.938	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	1571864	10.910	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

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MSVOA_L

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VL0408ABS01

Tot Ion: 49 Resp: 1247021

Ion Ratio Lower Upper

49 100

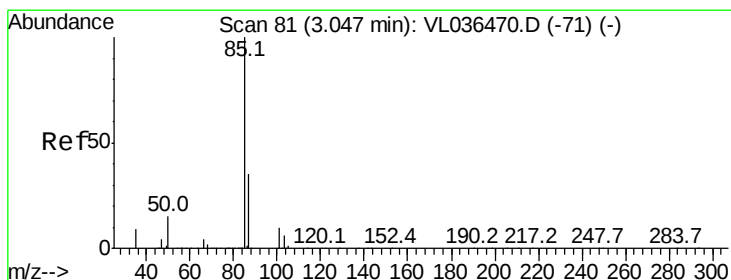
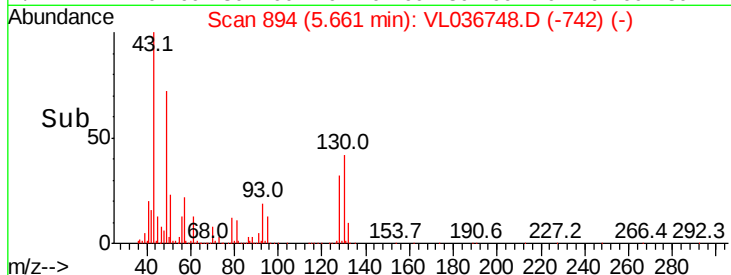
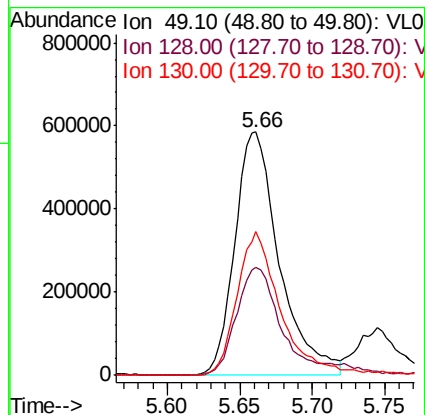
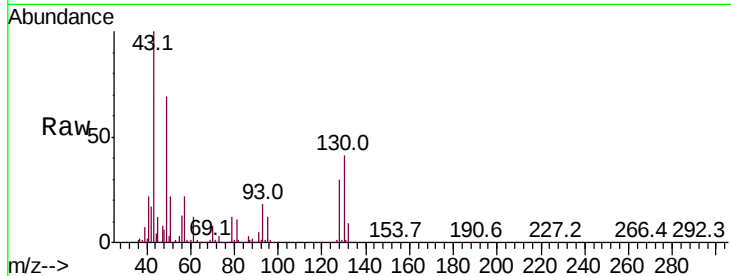
128 48.6 23.5 70.6

130 58.8 29.1 87.4

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#2

Dichlorodifluoromethane

Concen: 8.896 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036748.D

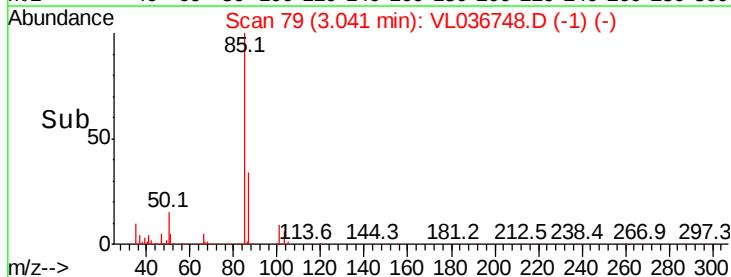
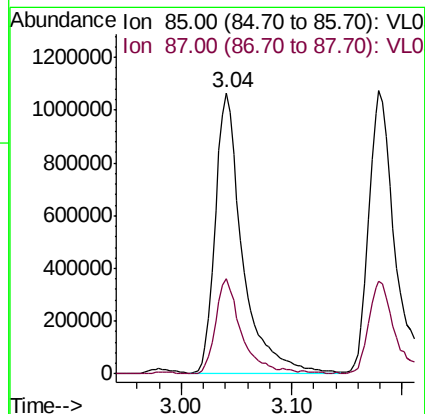
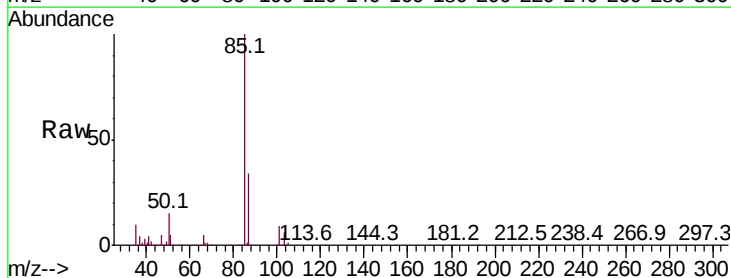
Acq: 8 Apr 2021 12:47

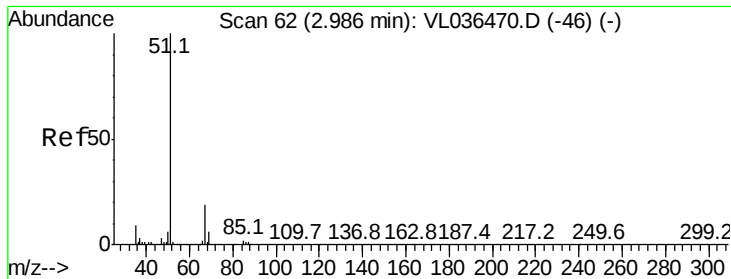
Tgt Ion: 85 Resp: 1809369

Ion Ratio Lower Upper

85 100

87 33.8 27.8 41.8





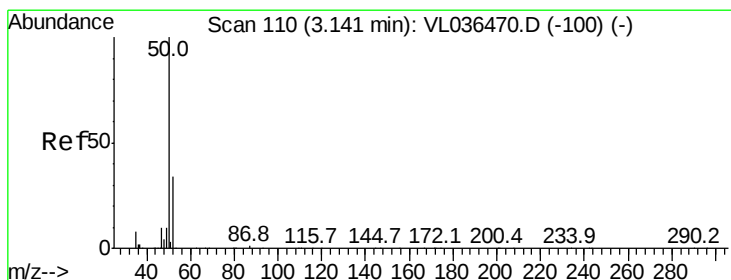
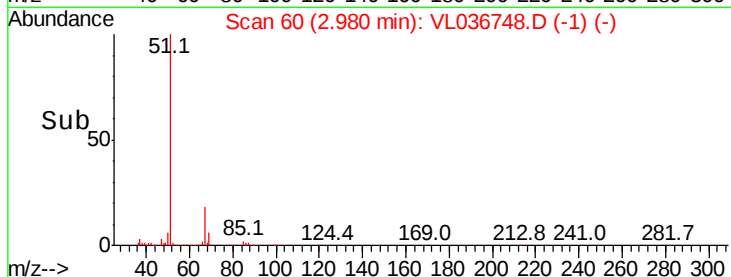
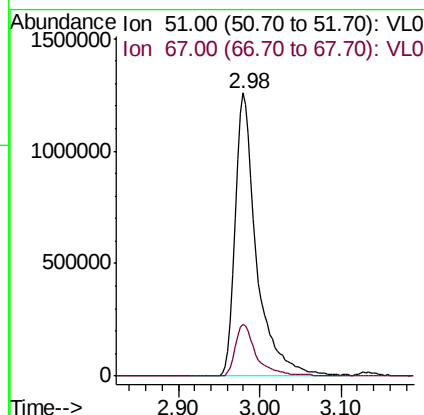
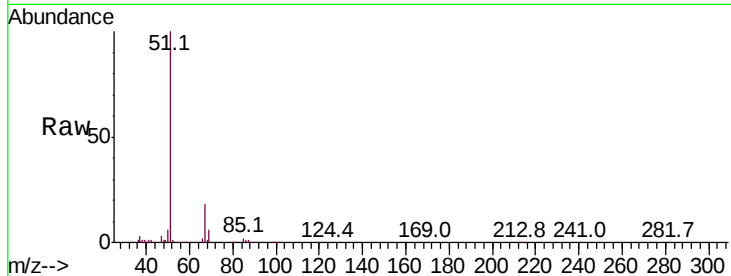
#3
Chlorodifluoromethane
Concen: 9.921 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tot Ion: 51 Resp: 2311564
Ion Ratio Lower Upper
51 100
67 18.4 14.7 22.1

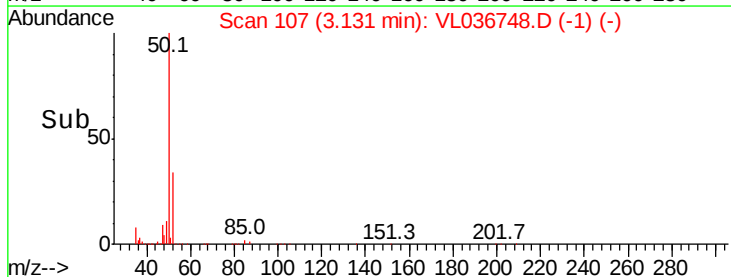
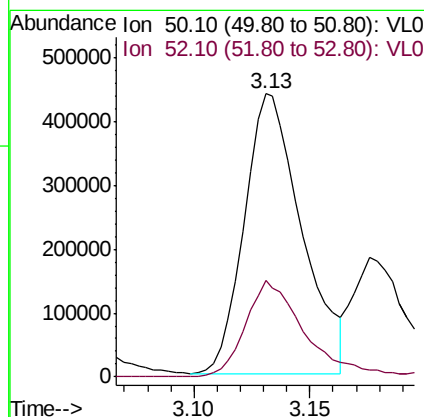
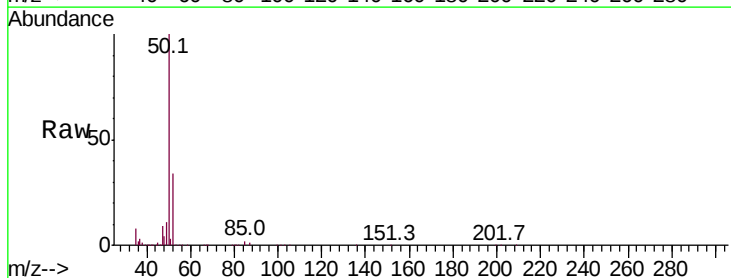
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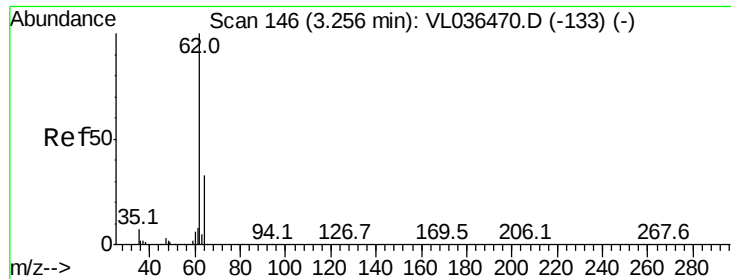
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#4
Chloromethane
Concen: 9.152 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Tgt Ion: 50 Resp: 753165
Ion Ratio Lower Upper
50 100
52 34.5 27.0 40.6





#5

Vinyl Chloride

Concen: 8.923 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tot Ion: 62 Resp: 755042

Ion Ratio Lower Upper

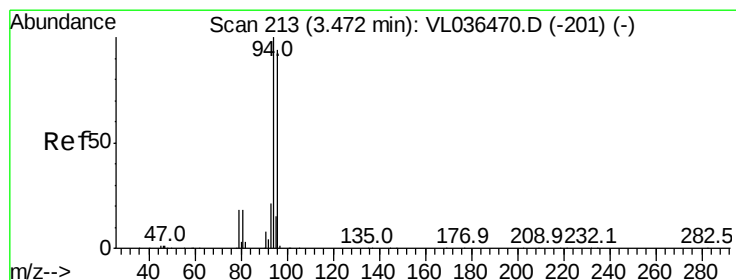
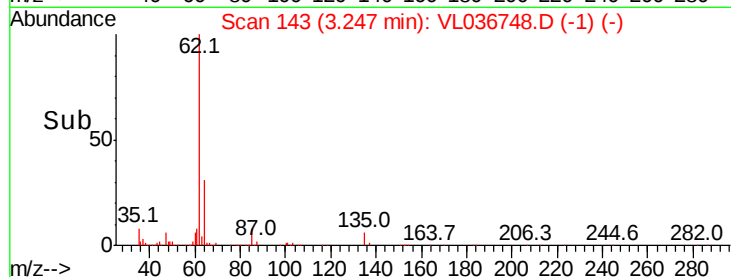
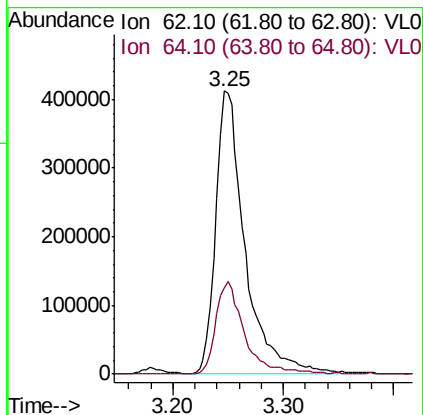
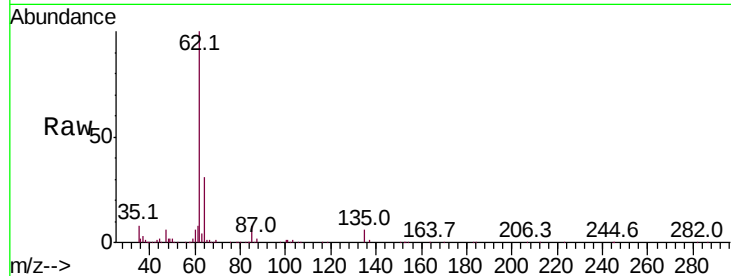
62 100

64 30.6 26.4 39.6

Manual Integrations
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#6

Bromomethane

Concen: 8.466 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL036748.D

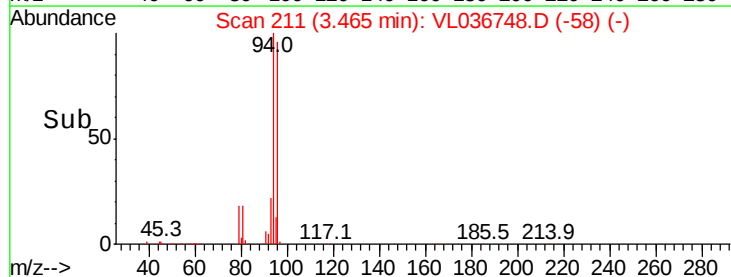
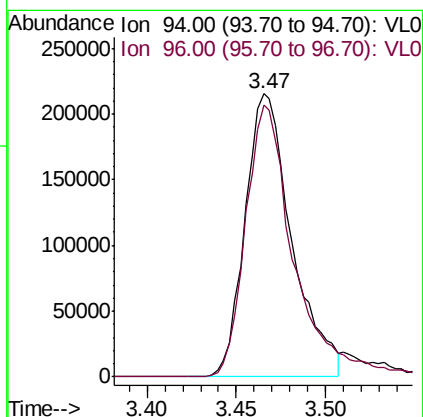
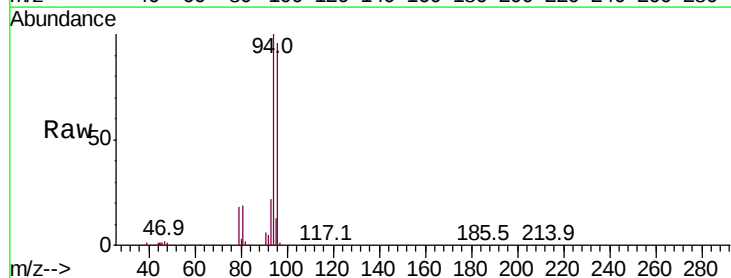
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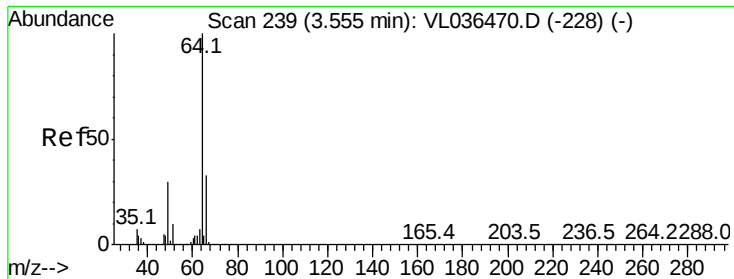
Tgt Ion: 94 Resp: 394415

Ion Ratio Lower Upper

94 100

96 96.3 74.9 112.3





#7

Chloroethane

Concen: 8.747 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tot Ion: 64 Resp: 254334

Ion Ratio Lower Upper

64 100

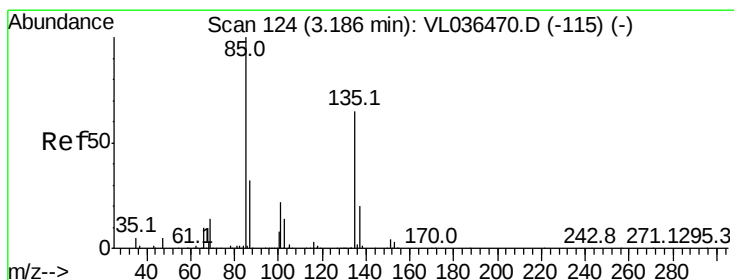
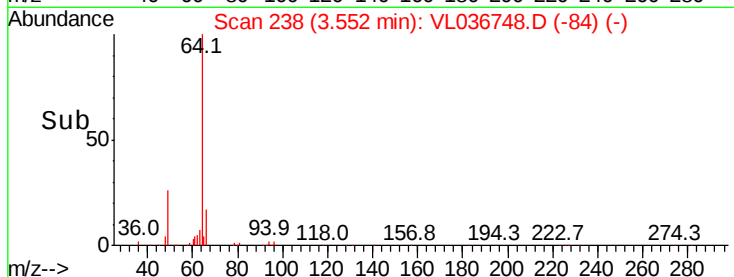
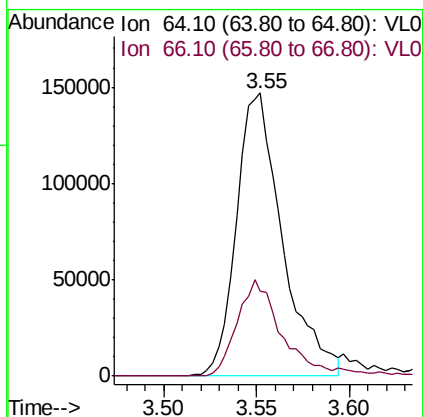
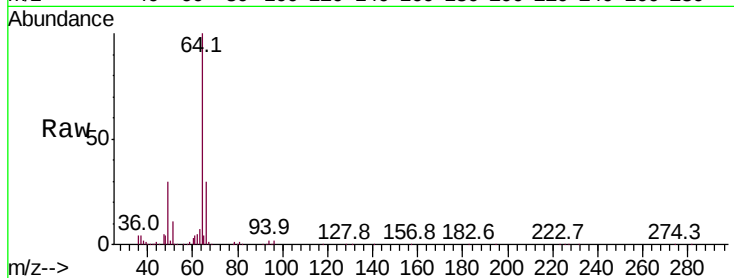
66 29.8 26.2 39.2

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#8

Dichlorotetrafluoroethane

Concen: 9.280 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL036748.D

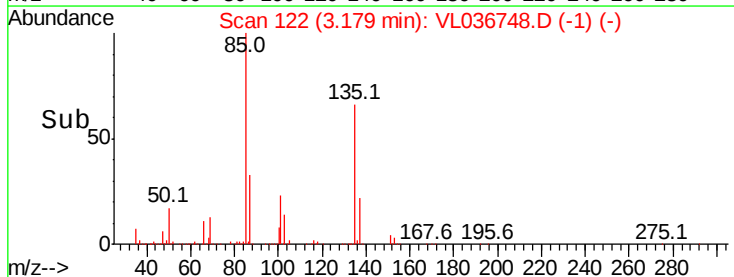
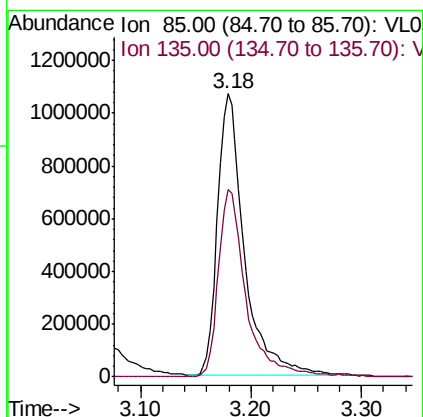
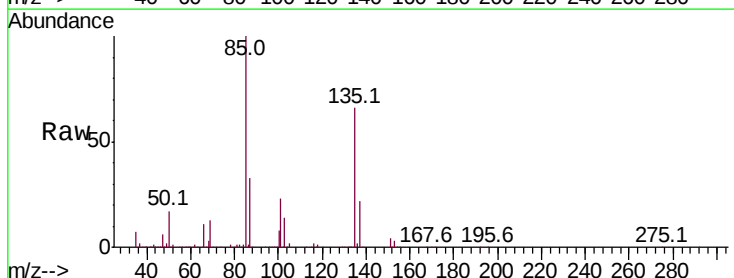
Acq: 8 Apr 2021 12:47

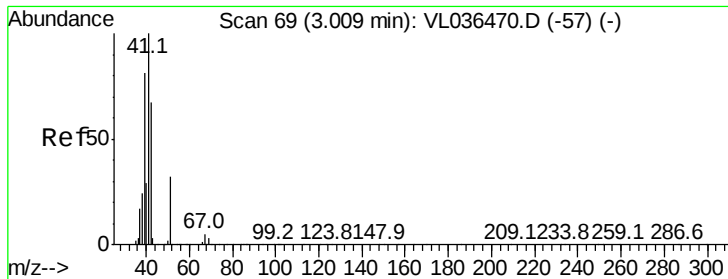
Tgt Ion: 85 Resp: 1801471

Ion Ratio Lower Upper

85 100

135 69.2 54.3 81.5





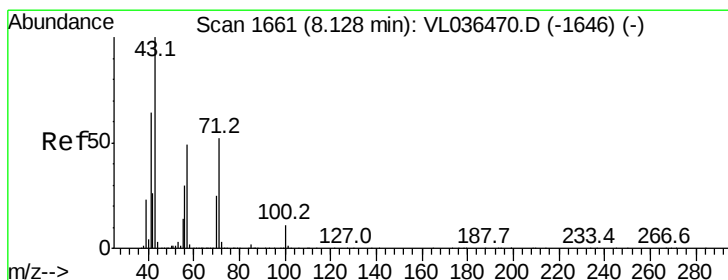
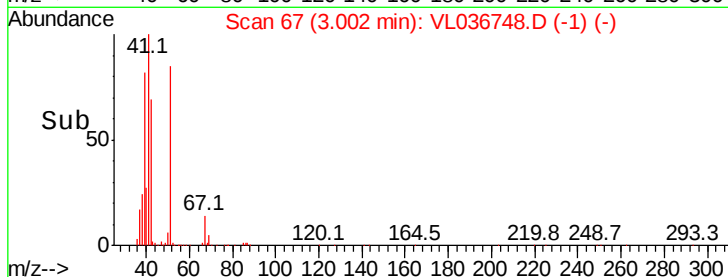
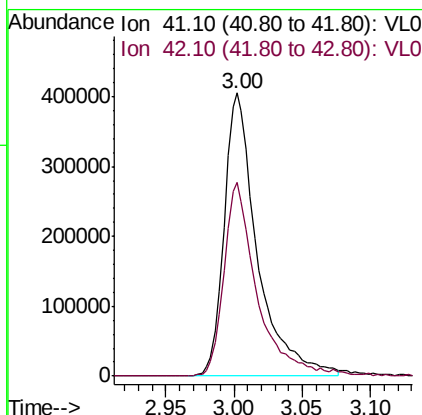
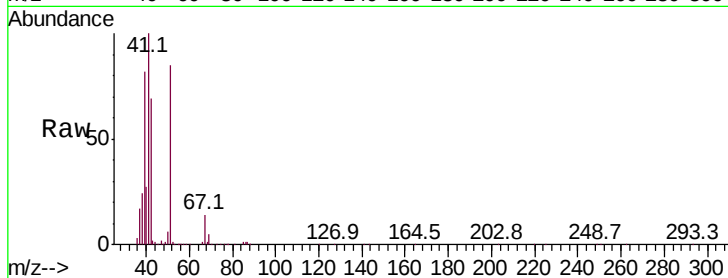
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Propene
Concen: 9.231 ppbv
RT: 3.00 min Scan# 67
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tot Ion: 41 Resp: 685669
Ion Ratio Lower Upper
41 100
42 69.2 57.0 85.4

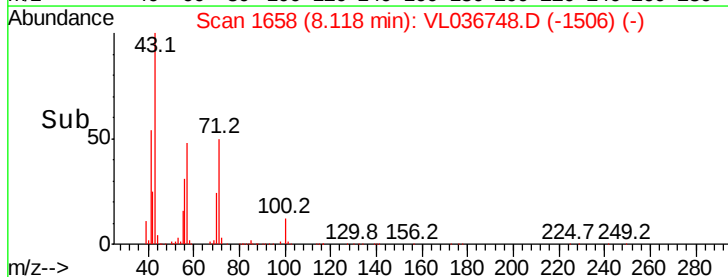
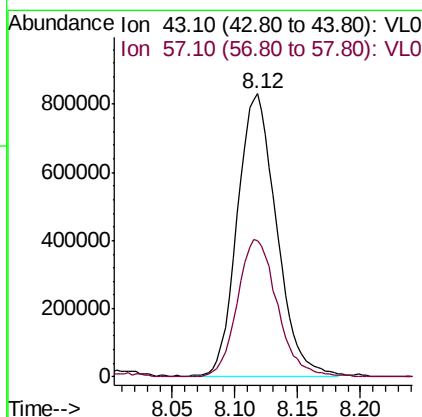
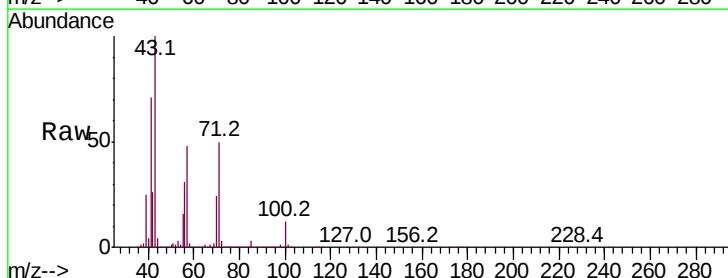
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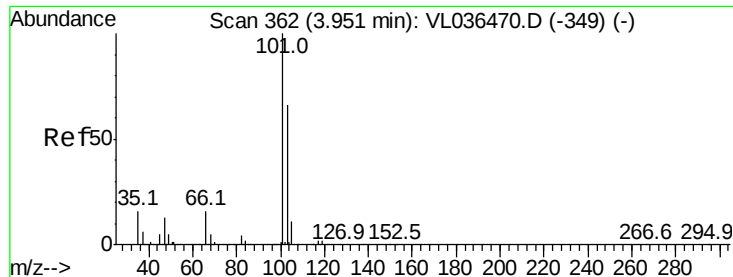
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#10
Heptane
Concen: 9.518 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Tgt Ion: 43 Resp: 1801054
Ion Ratio Lower Upper
43 100
57 49.9 39.0 58.6





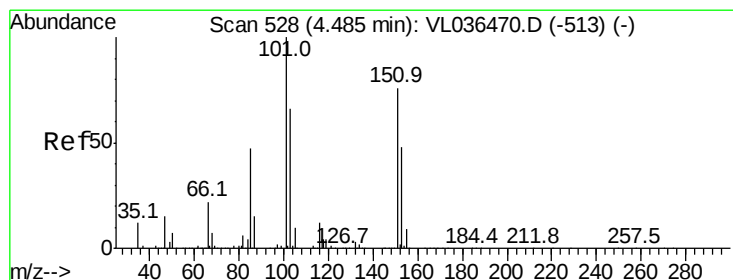
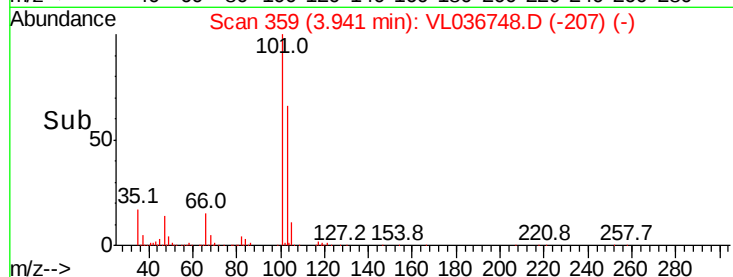
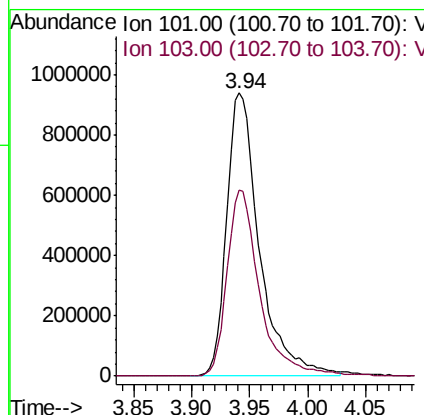
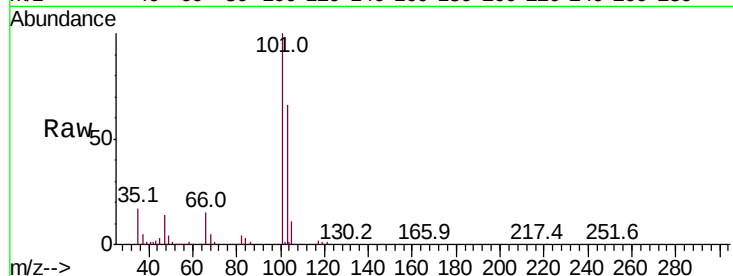
#11
 Trichlorofluoromethane
 Concen: 8.858 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL036748.D
 Acq: 8 Apr 2021 12:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0408ABS01

Tot Ion:101 Resp: 1836149
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.5 78.7

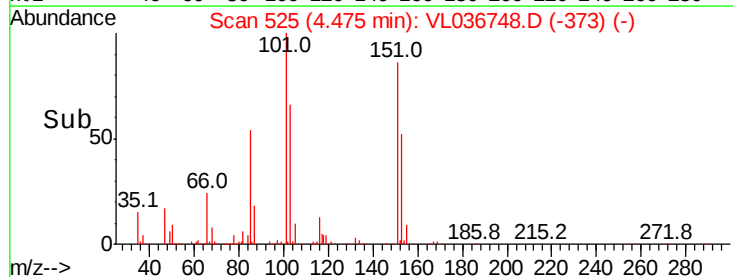
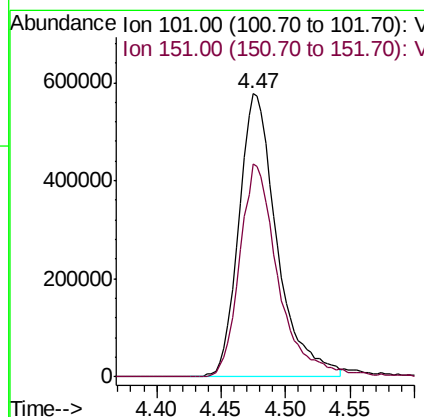
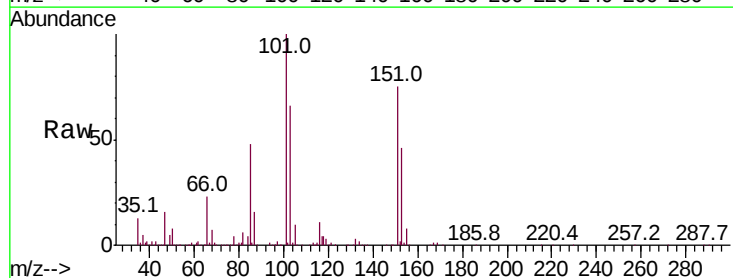
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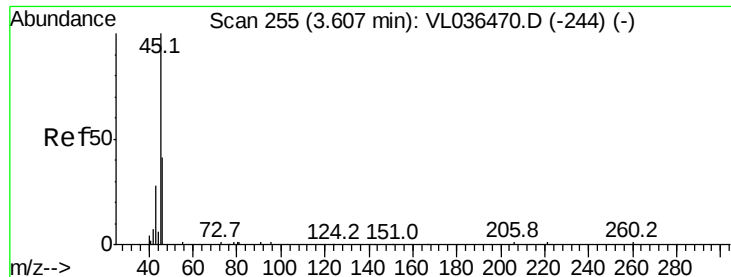
MMDadoda
 4/12/2021 11:46:31 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.978 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL036748.D
 Acq: 8 Apr 2021 12:47

Tgt Ion:101 Resp: 1189802
 Ion Ratio Lower Upper
 101 100
 151 76.7 60.9 91.3





#13

Ethanol

Concen: 8.671 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tot Ion: 45 Resp: 76696

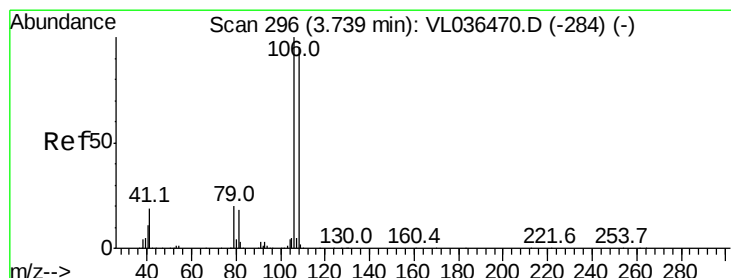
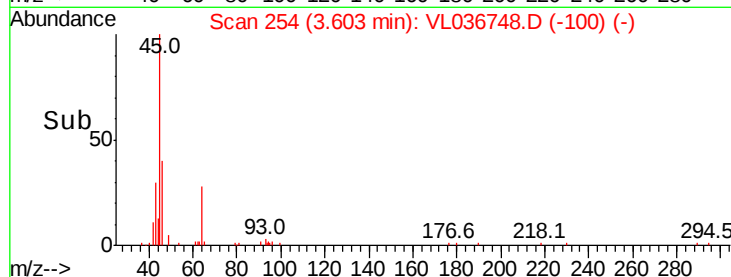
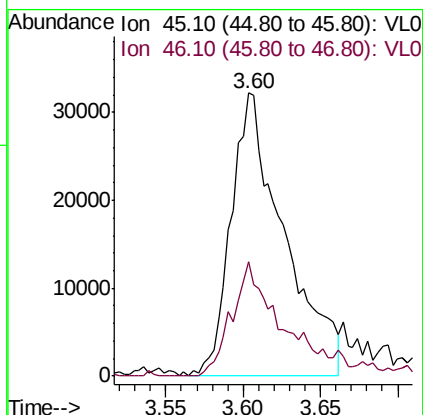
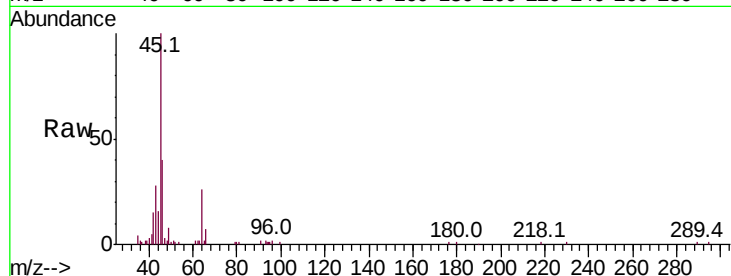
Ion Ratio Lower Upper

45 100

46 42.7 16.6 66.2

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#14

Bromoethene

Concen: 9.083 ppbv

RT: 3.74 min Scan# 295

Delta R.T. -0.00 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

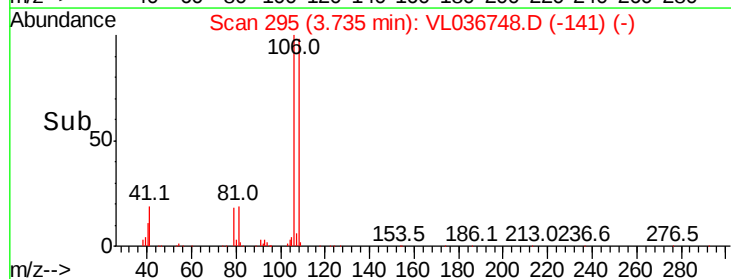
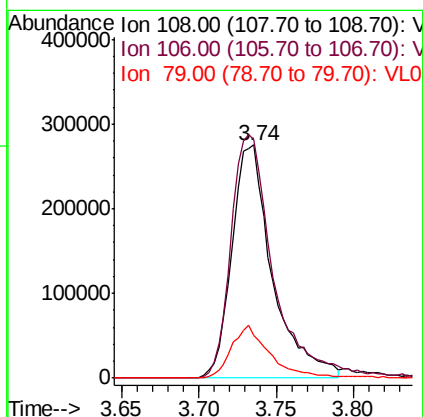
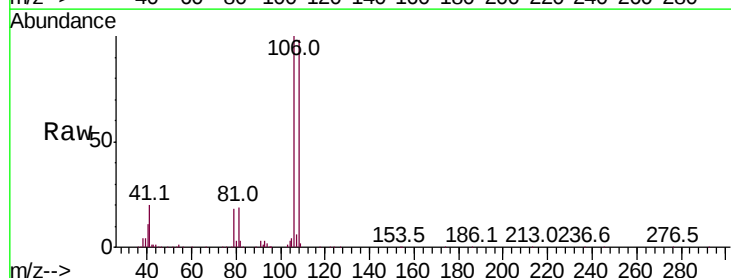
Tgt Ion: 108 Resp: 500437

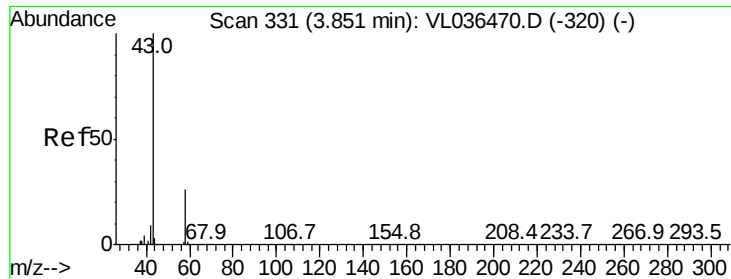
Ion Ratio Lower Upper

108 100

106 111.7 89.0 133.6

79 22.6 16.6 25.0





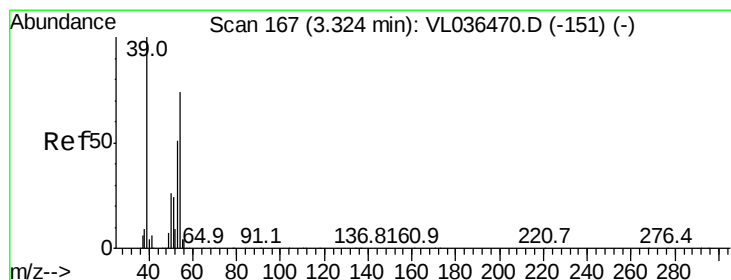
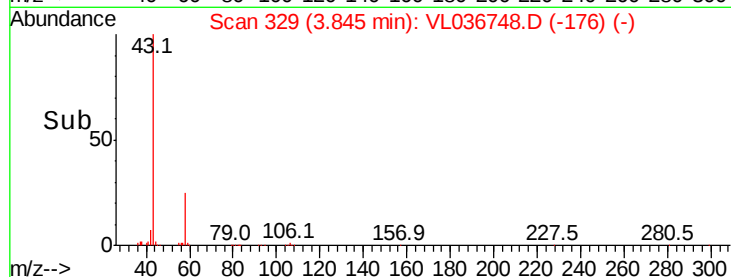
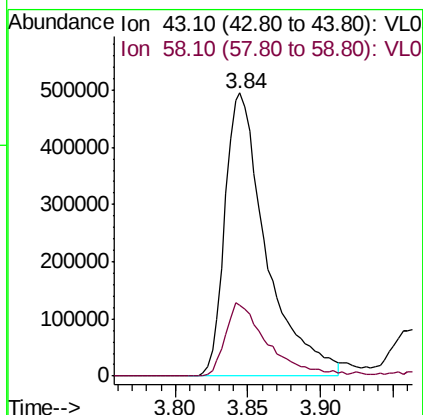
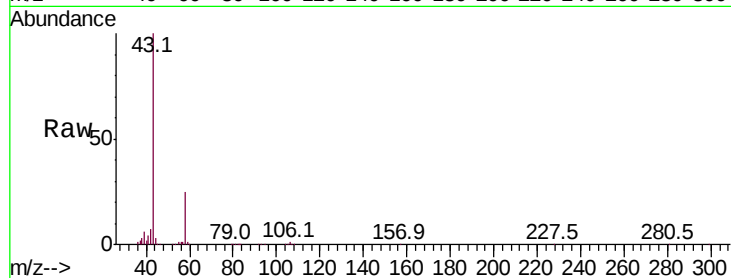
#15
Acetone
Concen: 7.966 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	27.4	21.2	31.8

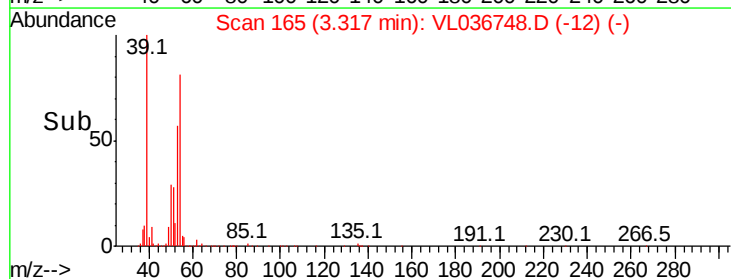
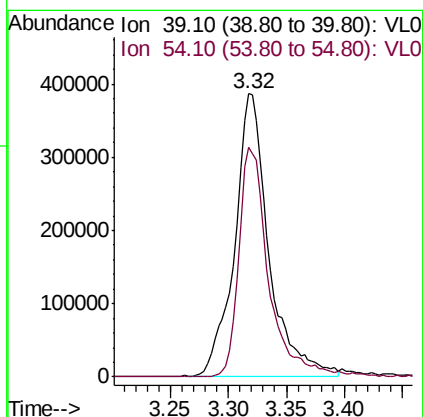
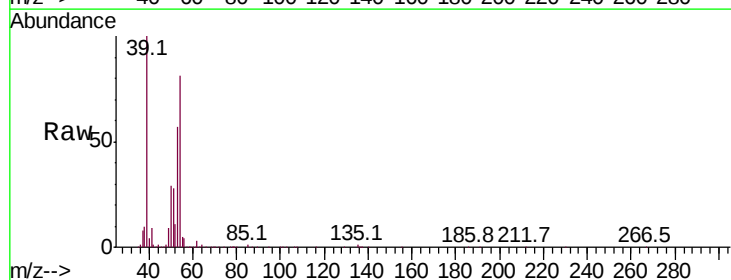
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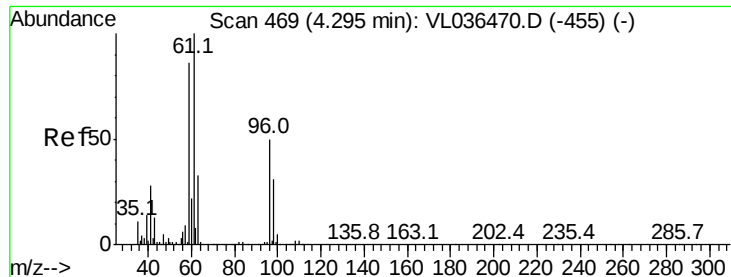
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#16
1,3-Butadiene
Concen: 9.236 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Tgt Ion	Ratio	Lower	Upper
39	100		
54	71.5	58.8	88.2





#17

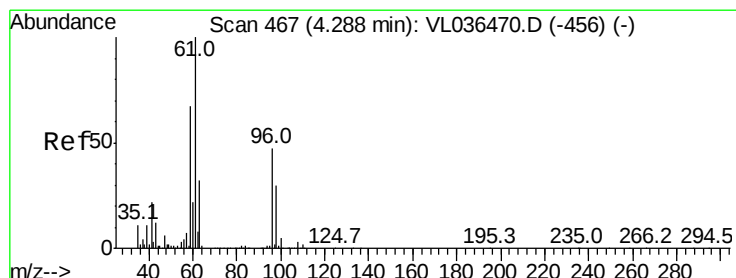
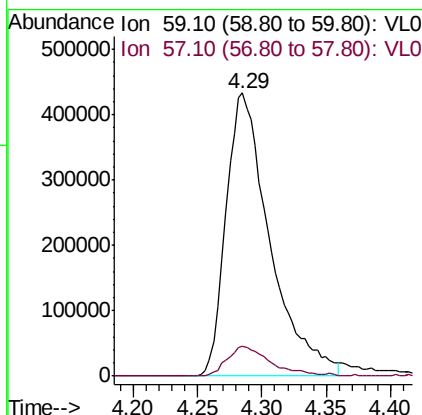
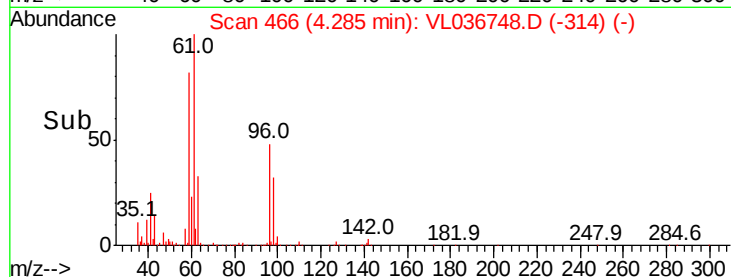
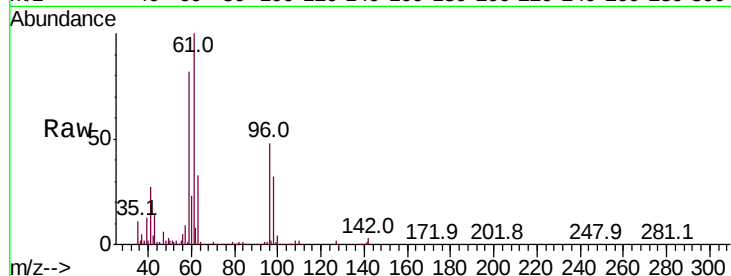
tert-Butyl alcohol
Concen: 9.590 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Instrument :
MSVOA_L
ClientSampleID :
VL0408ABS01

Tot Ion: 59 Resp: 1024615
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

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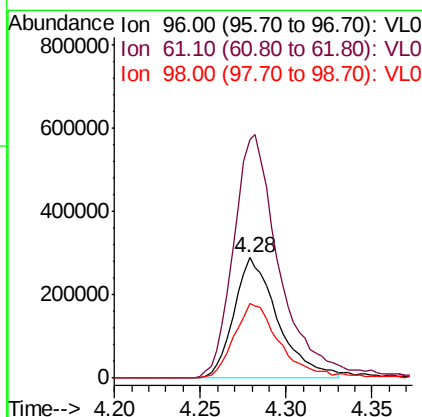
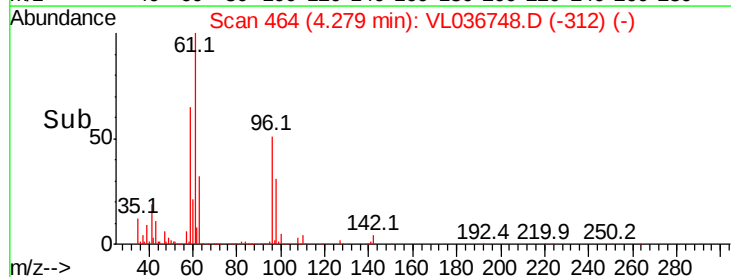
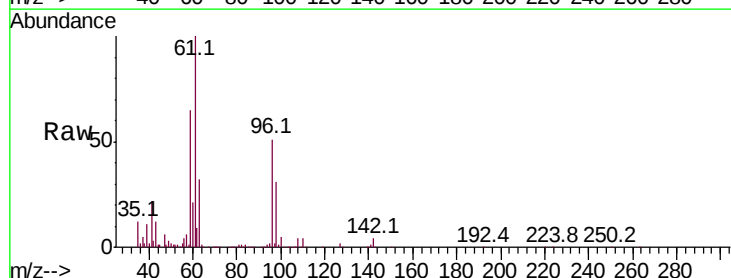
MMDadoda
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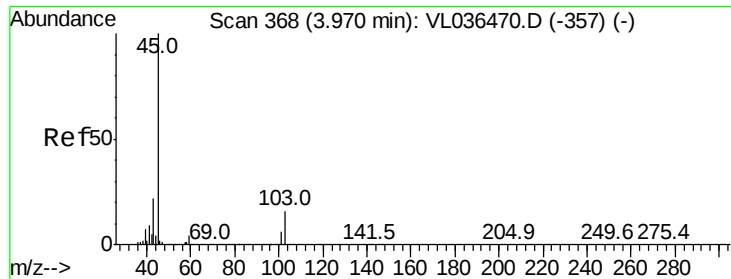


#18

1,1-Dichloroethene
Concen: 8.683 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Tgt Ion: 96 Resp: 511839
Ion Ratio Lower Upper
96 100
61 197.7 168.6 253.0
98 61.6 50.8 76.2





#19

Isopropyl Alcohol

Concen: 8.685 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tot Ion: 45 Resp: 586383

Ion Ratio Lower Upper

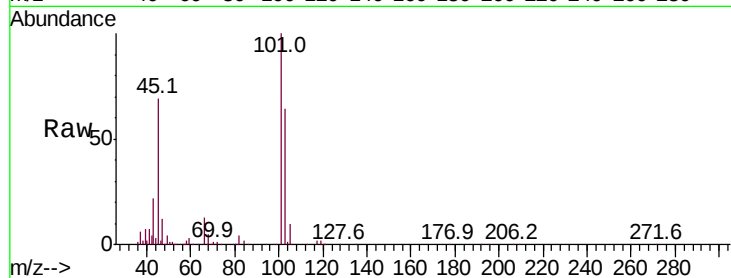
45 100

58 4.3 2.9 4.3

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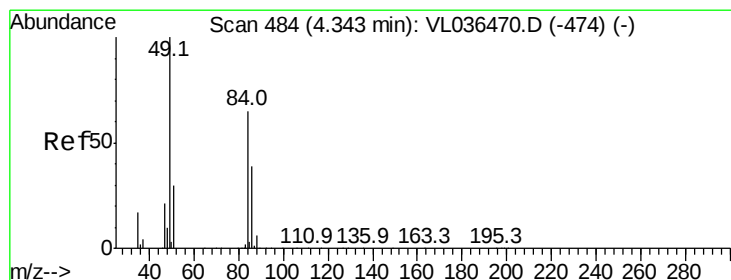
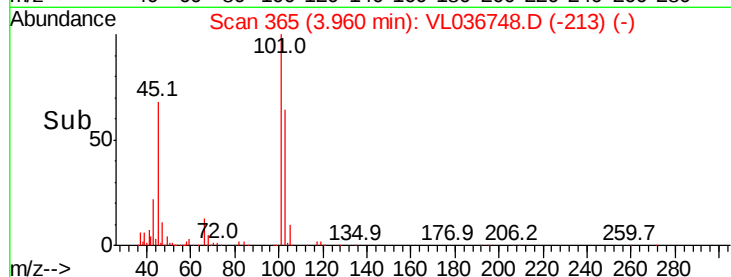
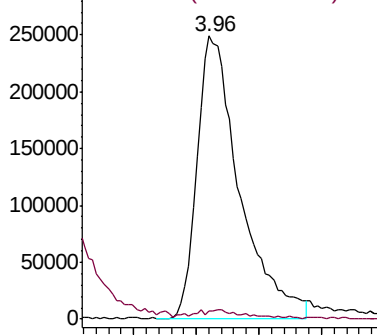
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.717 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Tgt Ion: 84 Resp: 443455

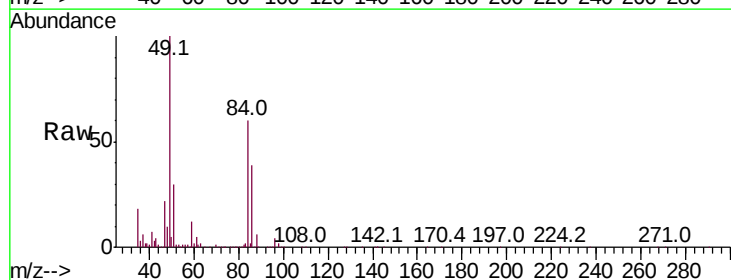
Ion Ratio Lower Upper

84 100

49 164.9 122.9 184.3

51 48.3 36.9 55.3

86 65.6 48.2 72.4

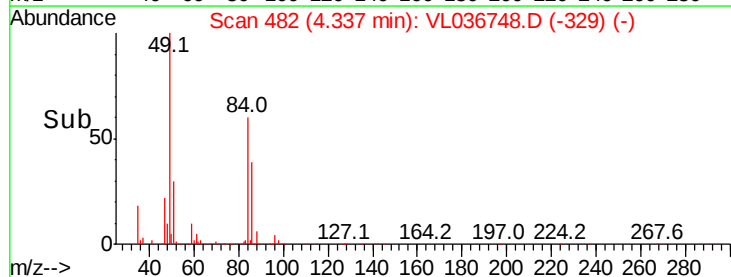
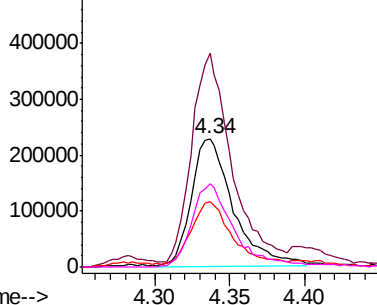


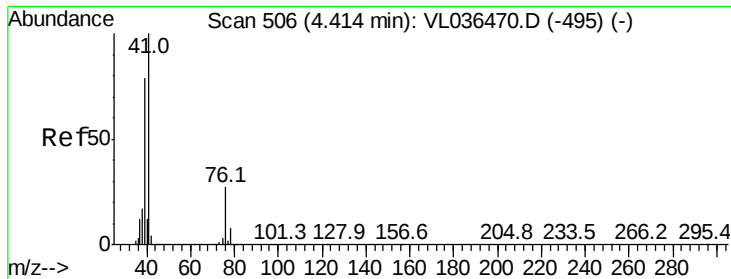
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 8.565 ppbv

RT: 4.40 min Scan# 503

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

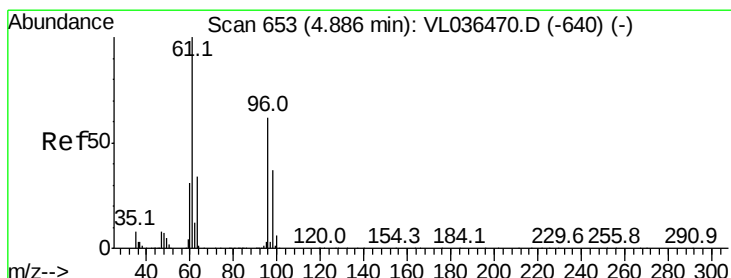
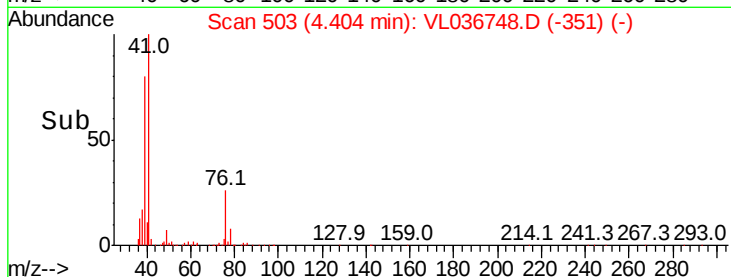
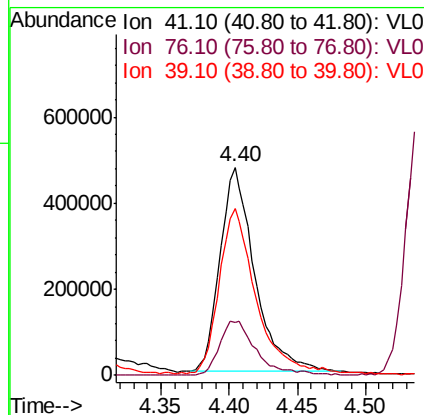
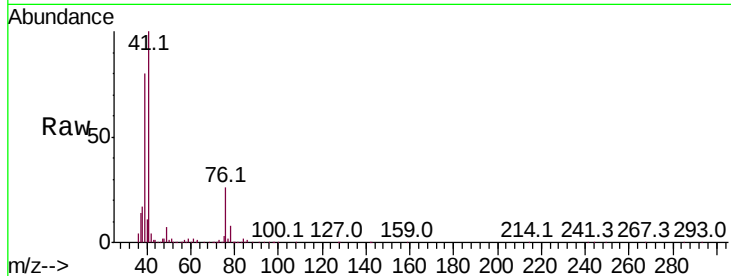
ClientSampleId :

VL0408ABS01

Tot Ion:	41	Resp:	837956
Ion Ratio	Lower	Upper	
41	100		
76	28.4	22.9	34.3
39	87.4	67.3	100.9

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#22

trans-1,2-Dichloroethene

Concen: 9.217 ppbv

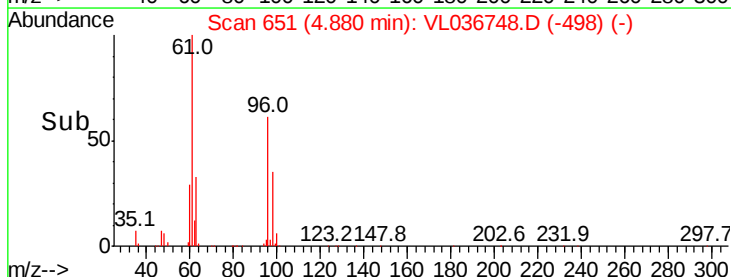
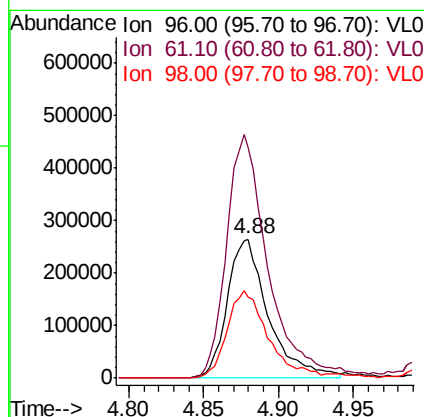
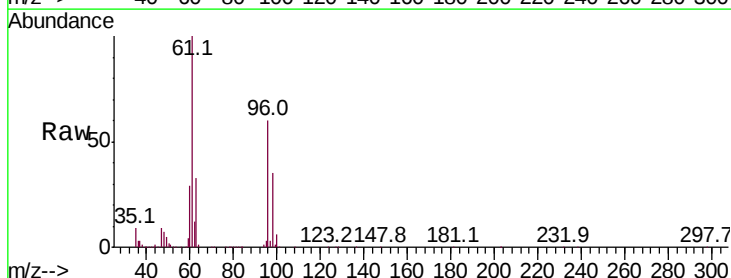
RT: 4.88 min Scan# 651

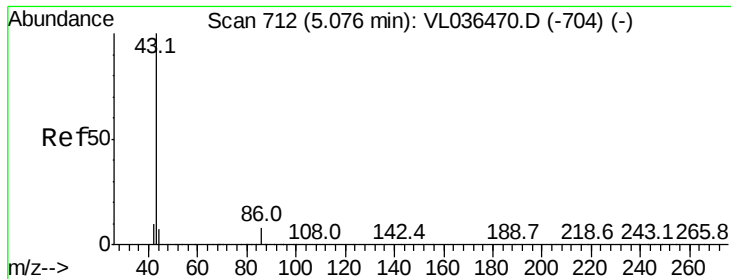
Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Tgt Ion:	96	Resp:	503720
Ion Ratio	Lower	Upper	
96	100		
61	165.9	129.4	194.0
98	58.1	48.2	72.4





#23

Vinyl Acetate

Concen: 8.661 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

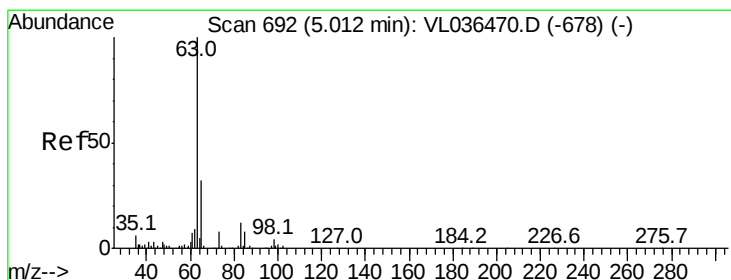
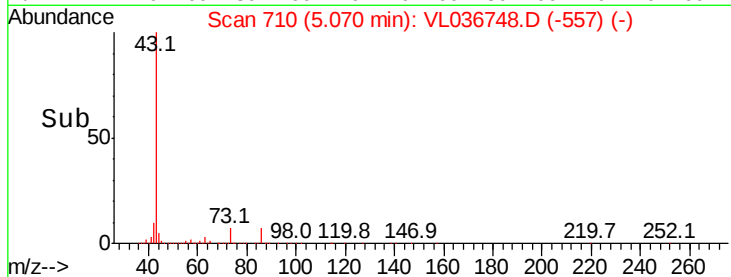
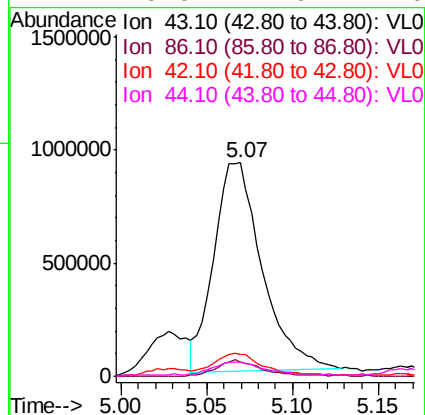
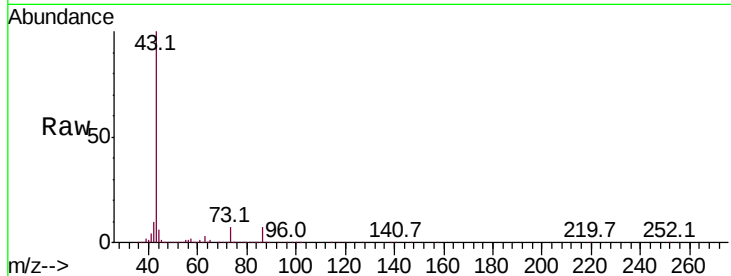
ClientSampleID :

VL0408ABS01

Tot Ion	43	Resp	1818250
Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.4	8.0
42	10.0	8.5	12.7
44	6.0	4.6	7.0

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 9.025 ppbv

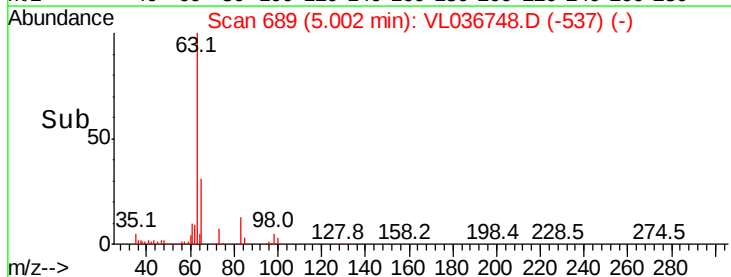
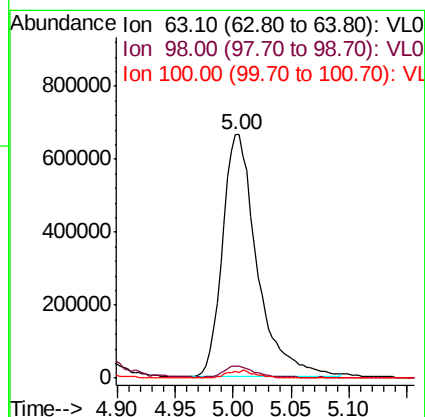
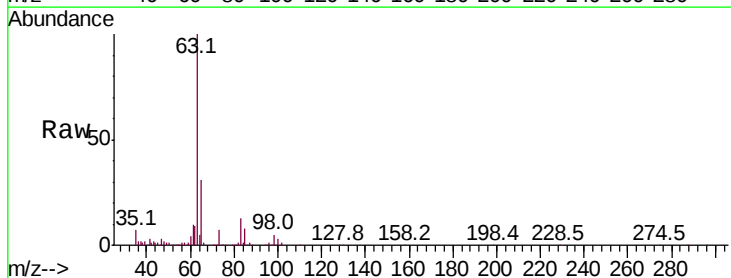
RT: 5.00 min Scan# 689

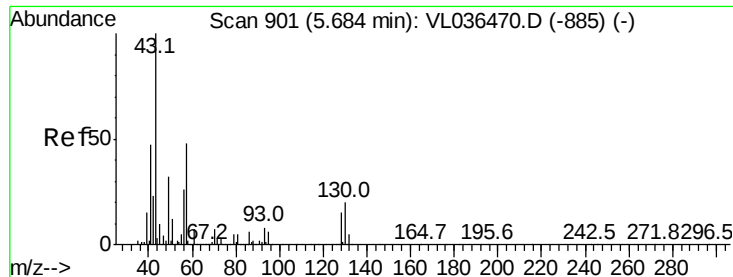
Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Tgt Ion	63	Resp	1381085
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.2
100	2.8	0.9	2.8





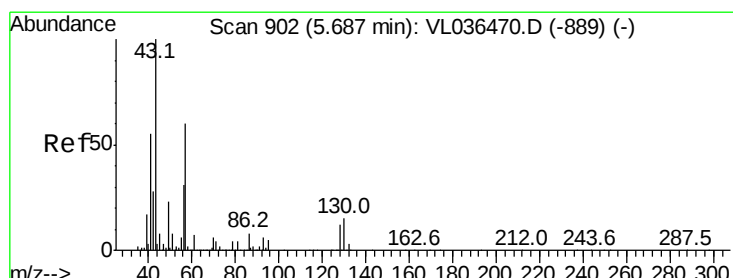
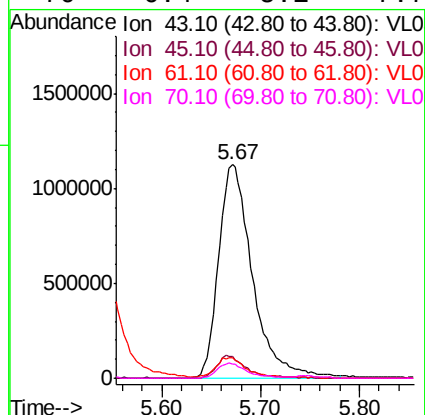
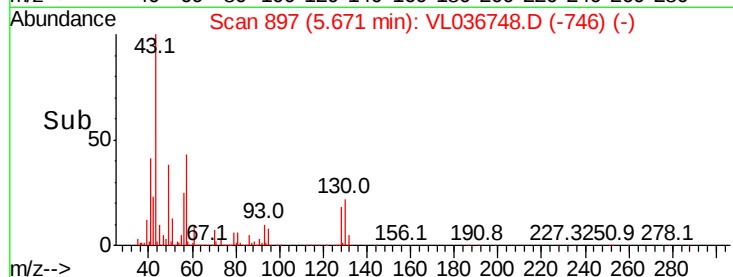
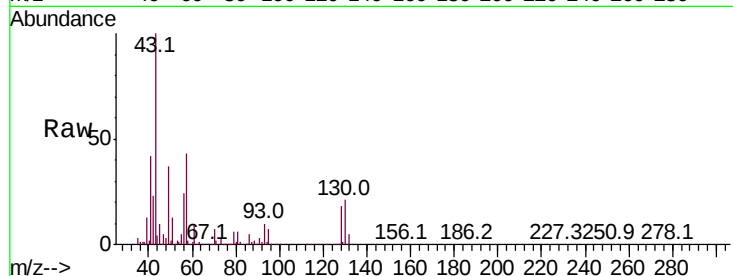
#25
Ethyl Acetate
Concen: 9.238 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.9	11.9
61	9.1	7.4	11.2
70	6.4	5.1	7.7

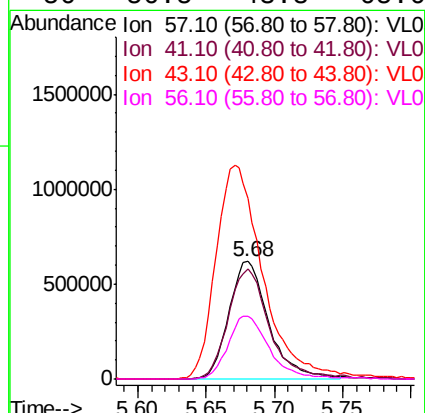
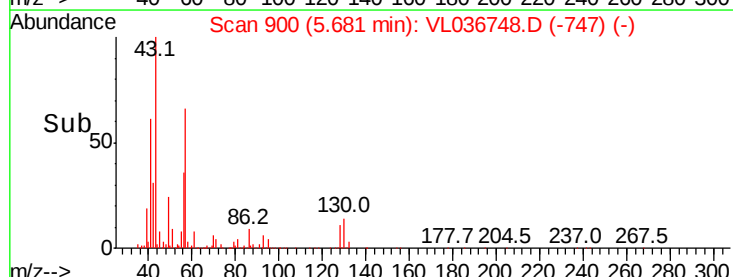
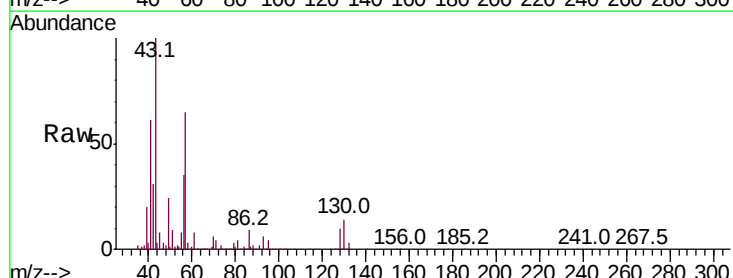
Manual Integrations
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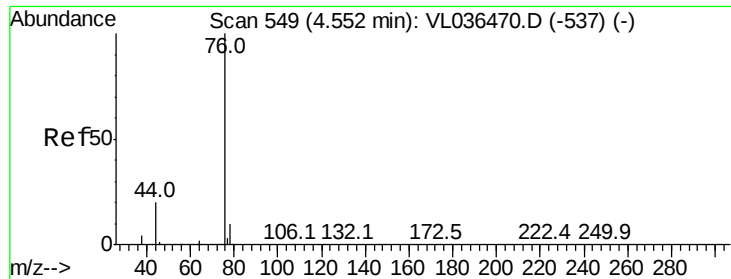
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#26
Hexane
Concen: 9.271 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Tgt Ion	Ratio	Lower	Upper
57	100		
41	98.1	77.2	115.8
43	216.9	173.8	260.6
56	56.5	43.8	65.6





#27

Carbon Disulfide

Concen: 9.690 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

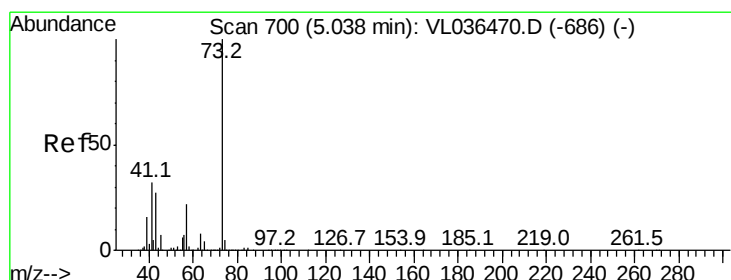
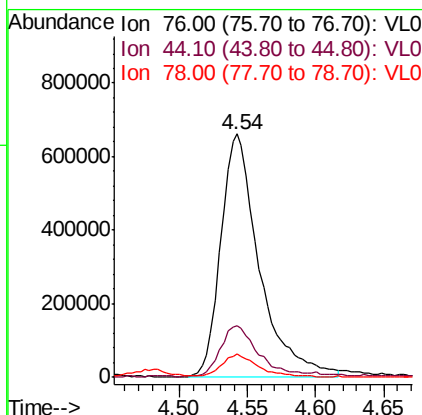
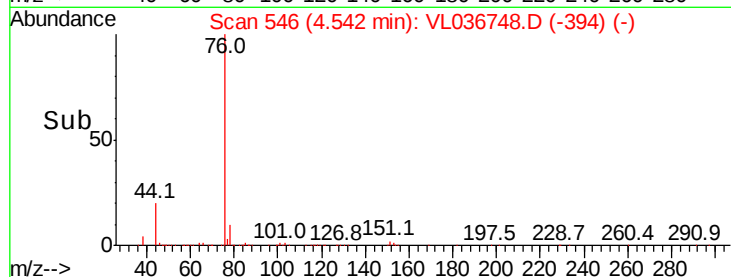
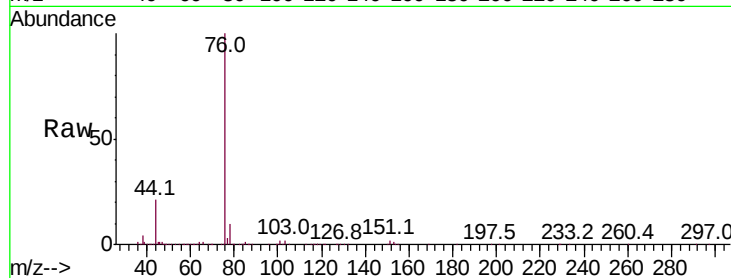
Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tot Ion: 76 Resp: 1292603

Ion	Ratio	Lower	Upper
76	100		
44	22.3	17.5	26.3
78	9.7	8.6	13.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 8.932 ppbv

RT: 5.03 min Scan# 697

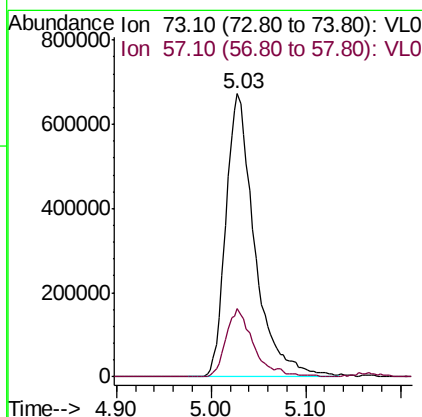
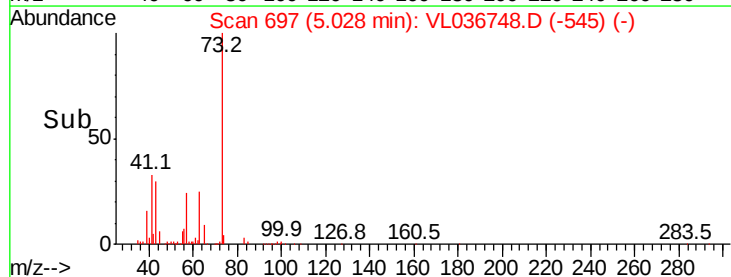
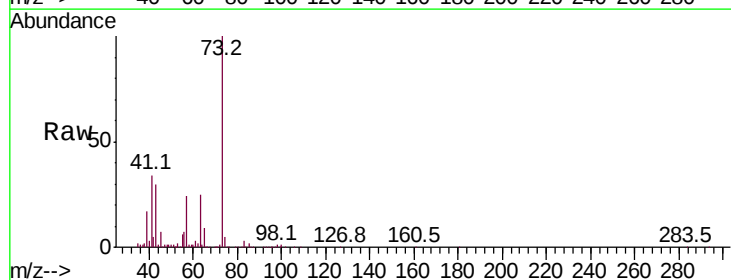
Delta R.T. -0.01 min

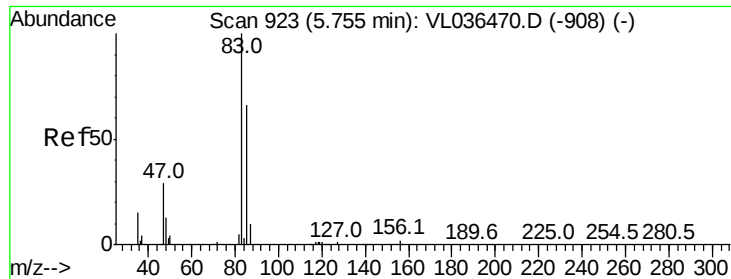
Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Tgt Ion: 73 Resp: 1426344

Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.5	27.7





#29

Chloroform

Concen: 9.404 ppbv

RT: 5.74 min Scan# 920

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tot Ion: 83 Resp: 2036490

Ion Ratio Lower Upper

83 100

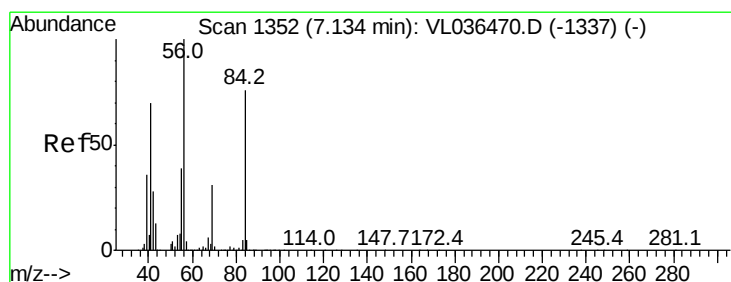
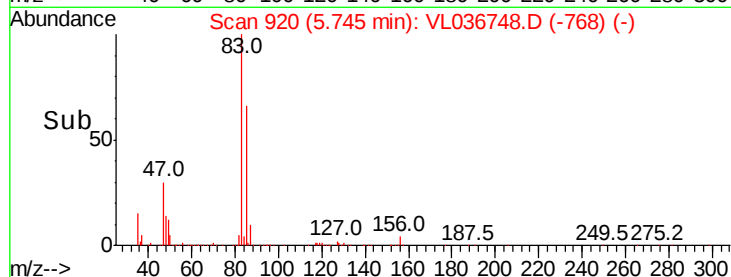
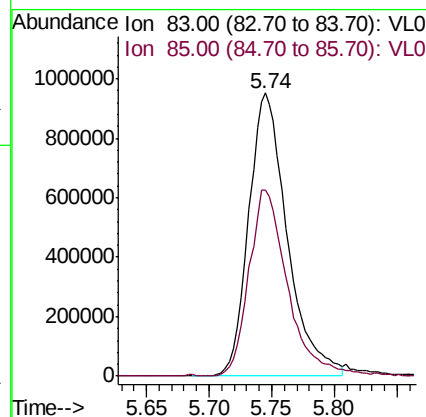
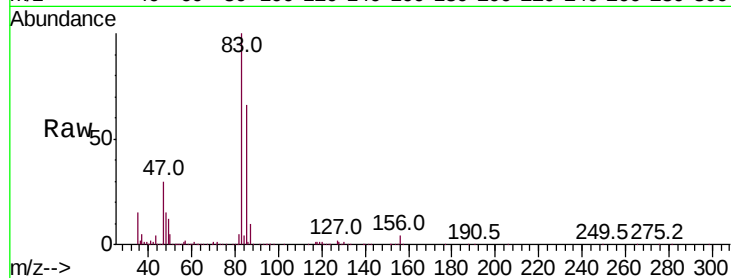
85 65.5 52.6 78.8

Manual Integrations

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#30

Cyclohexane

Concen: 10.181 ppbv m

RT: 7.13 min Scan# 1350

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

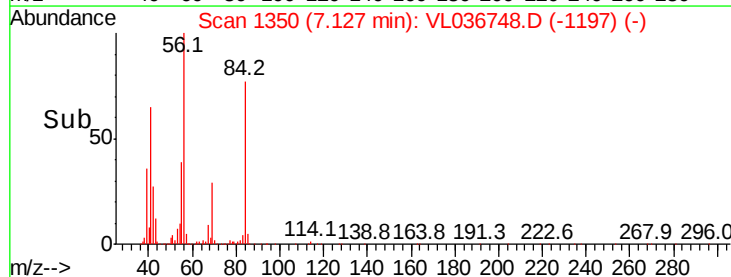
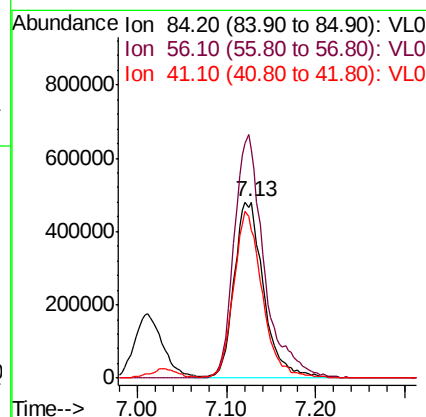
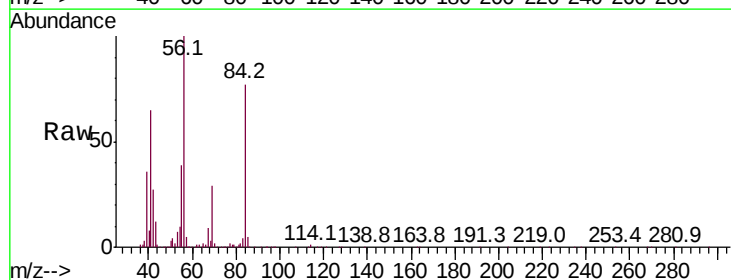
Tgt Ion: 84 Resp: 1118033

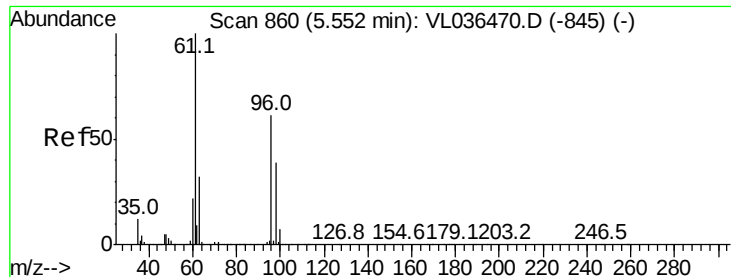
Ion Ratio Lower Upper

84 100

56 0.0 114.6 171.8#

41 90.7 75.3 112.9





#31

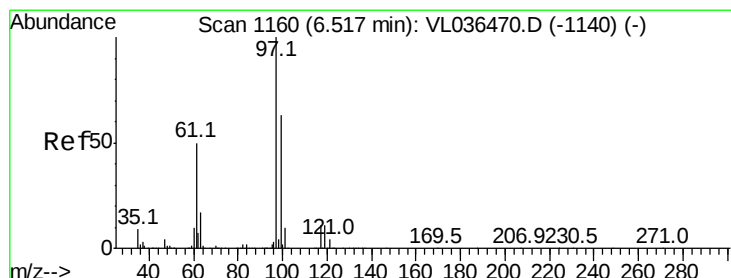
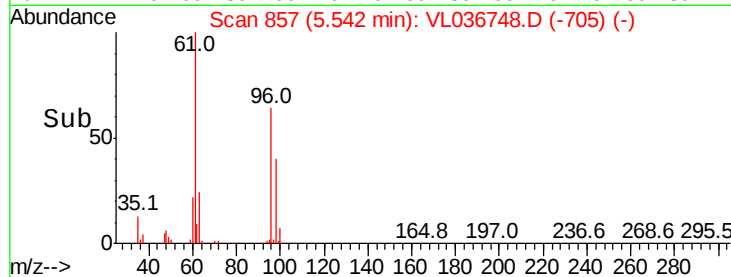
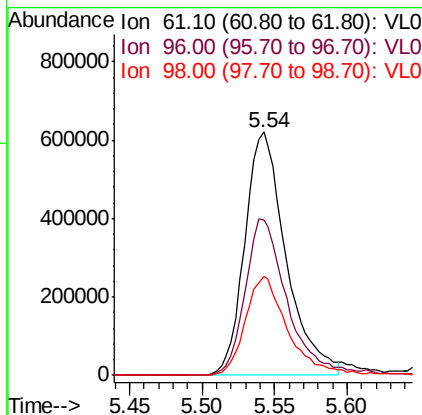
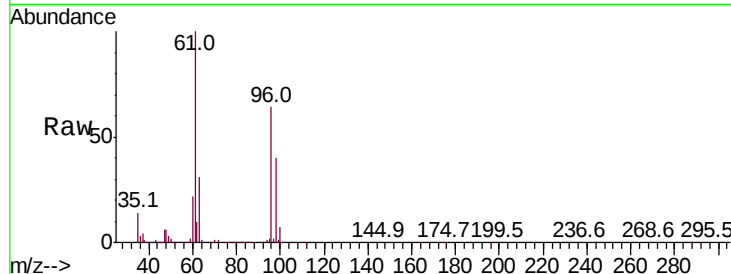
cis-1,2-Dichloroethene
Concen: 9.395 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.9	48.7	73.1
98	40.5	31.4	47.0

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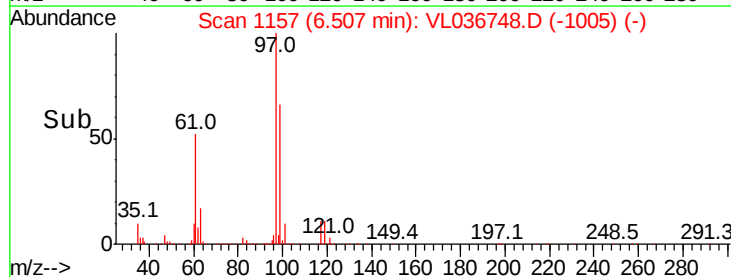
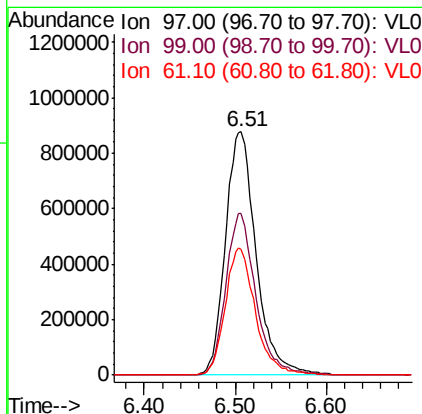
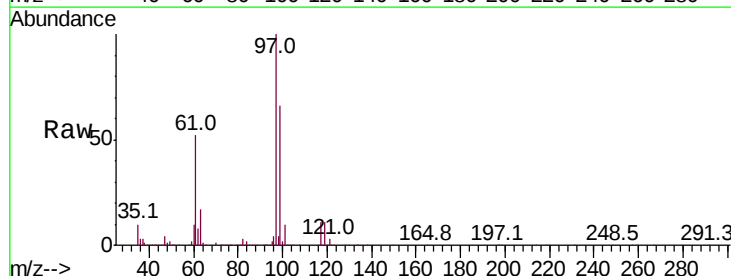
MMDadoda
4/12/2021 11:46:31 AM

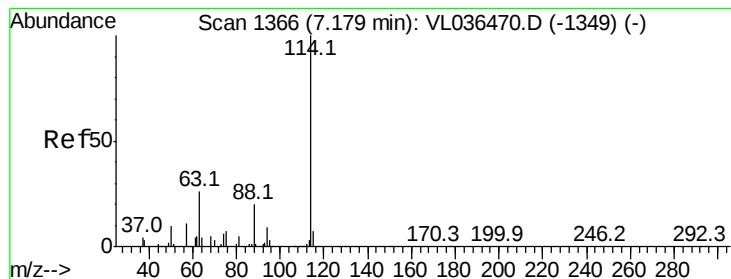


#32

1,1,1-Trichloroethane
Concen: 9.437 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.4	77.0
61	51.3	40.6	60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tot Ion:114 Resp: 3127809

Ion Ratio Lower Upper

114 100

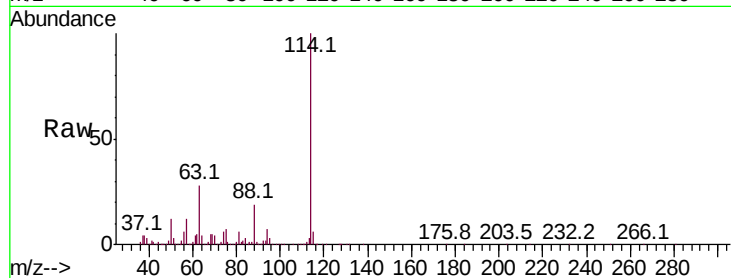
63 27.5 22.4 33.6

88 18.7 15.4 23.0

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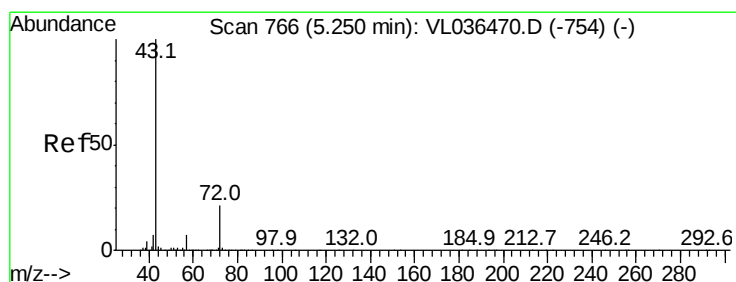
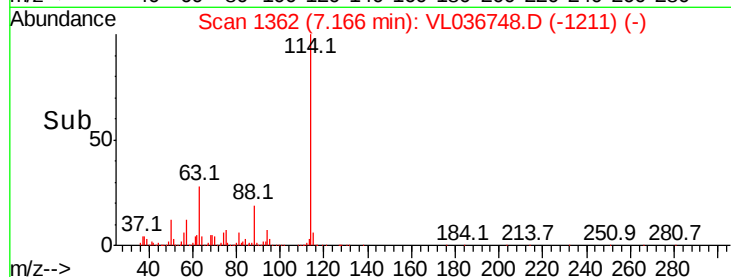
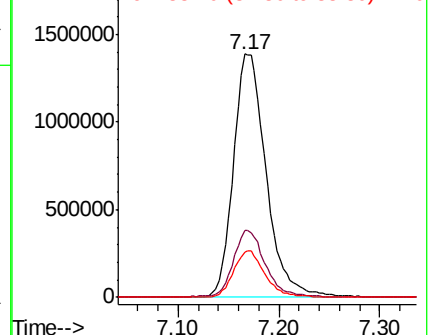
4/12/2021 11:46:31 AM



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.242 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.01 min

Lab File: VL036748.D

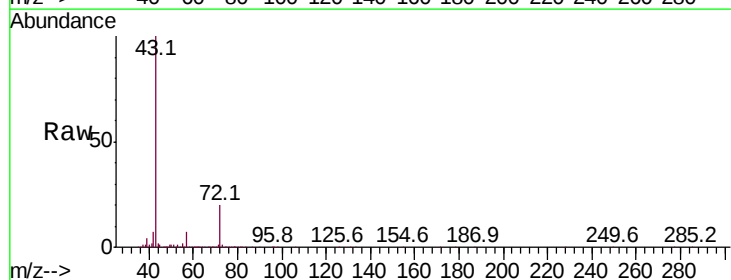
Acq: 8 Apr 2021 12:47

Tgt Ion: 43 Resp: 1258372

Ion Ratio Lower Upper

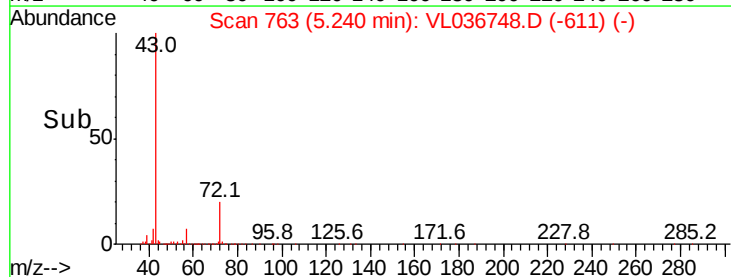
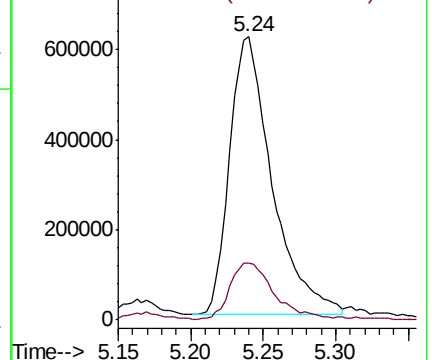
43 100

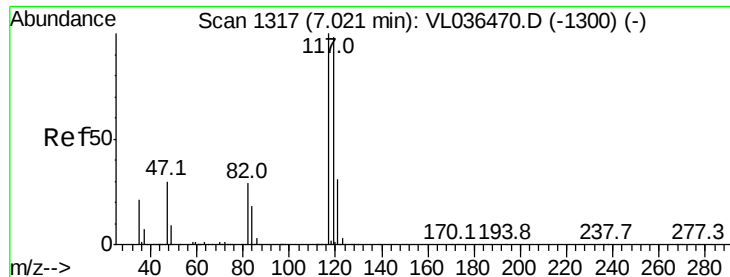
72 22.1 17.0 25.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.106 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tot Ion:117 Resp: 2187552

Ion Ratio Lower Upper

117 100

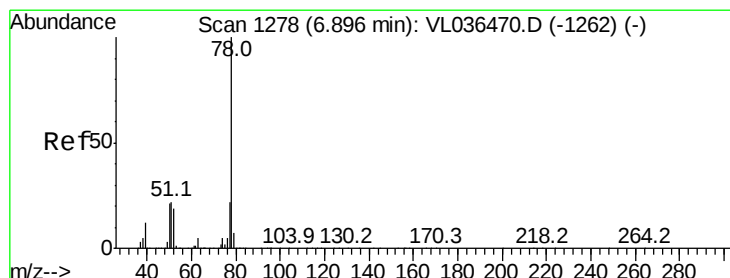
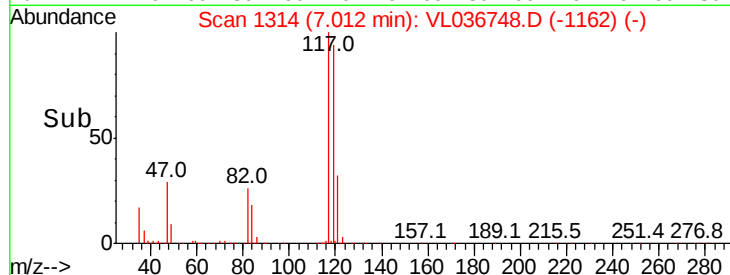
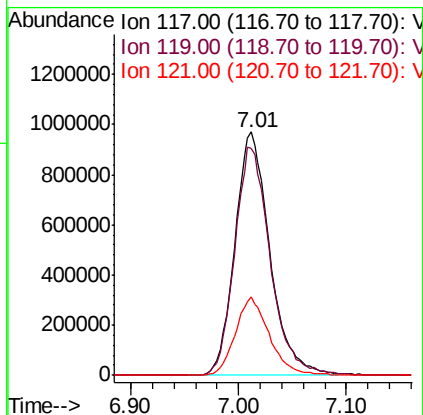
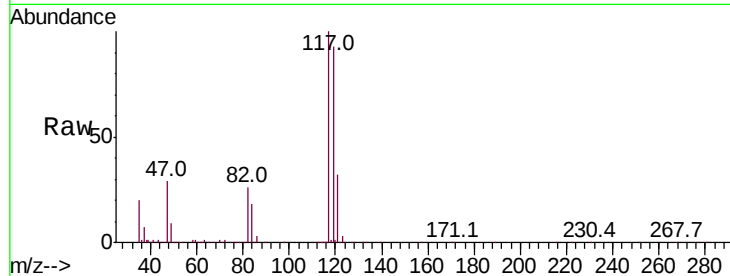
119 93.3 78.2 117.2

121 32.0 24.5 36.7

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#36

Benzene

Concen: 9.322 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

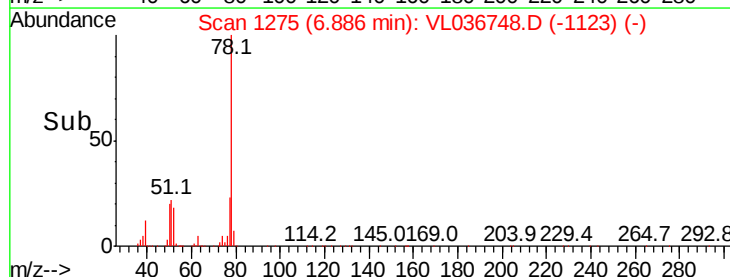
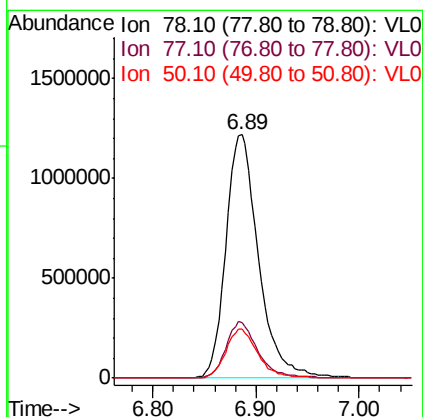
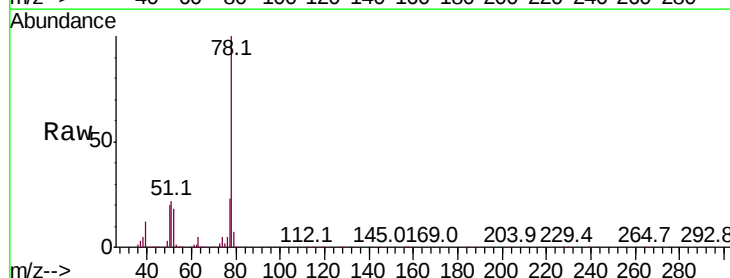
Tgt Ion: 78 Resp: 2689153

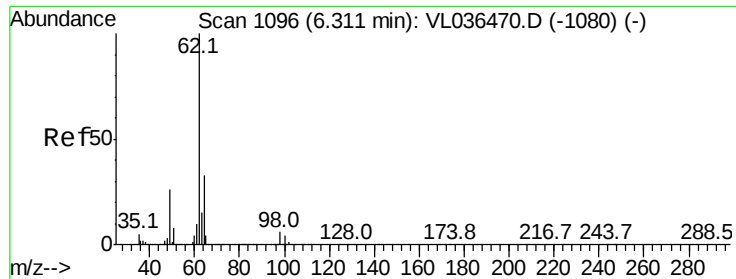
Ion Ratio Lower Upper

78 100

77 22.6 18.0 27.0

50 20.3 16.5 24.7





#37

1,2-Dichloroethane

Concen: 9.077 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tot Ion: 62 Resp: 1541041

Ion Ratio Lower Upper

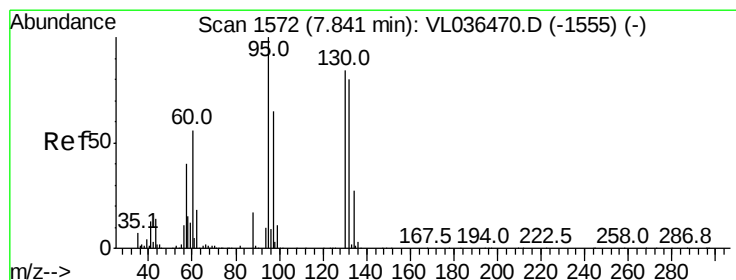
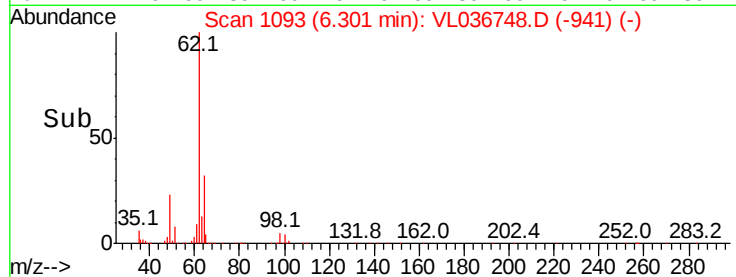
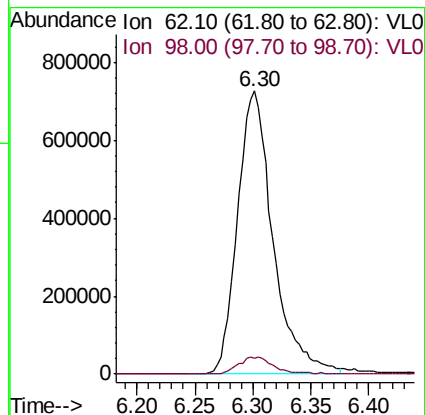
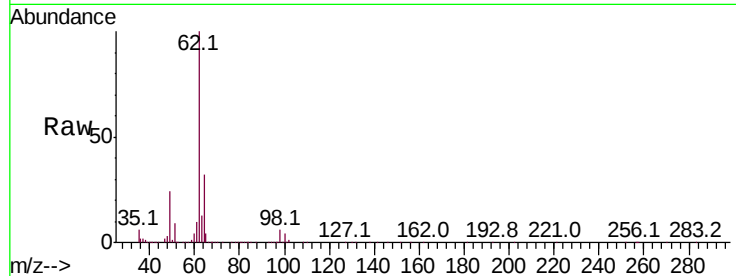
62 100

98 6.3 4.9 7.3

Manual Integrations
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#38

Trichloroethene

Concen: 8.791 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Tgt Ion: 130 Resp: 986935

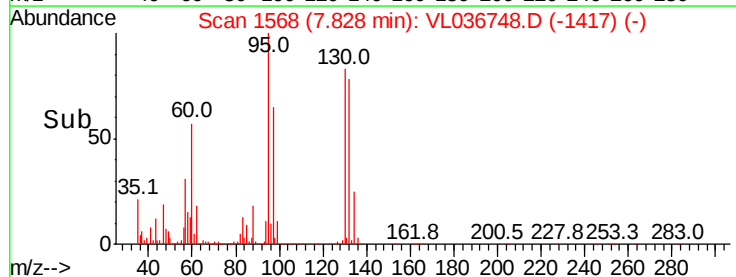
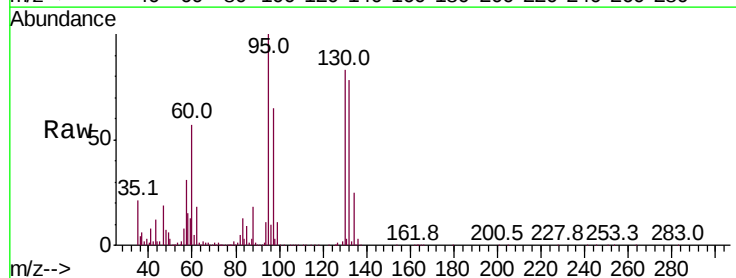
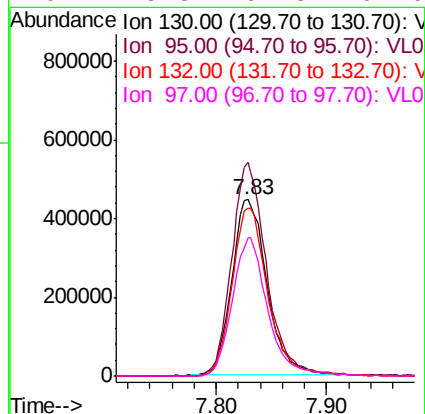
Ion Ratio Lower Upper

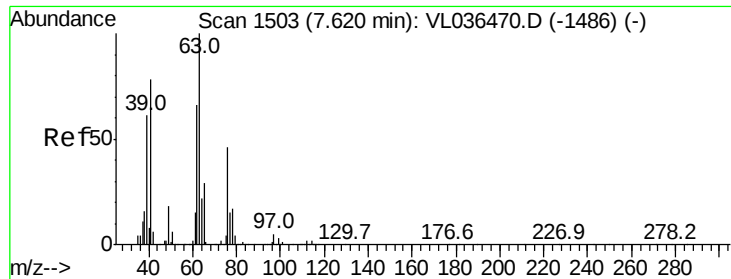
130 100

95 121.6 95.7 143.5

132 95.2 76.2 114.4

97 78.8 61.8 92.6





#39

1,2-Dichloropropane

Concen: 8.974 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tot Ion: 63 Resp: 1050104

Ion Ratio Lower Upper

63 100

41 82.9 62.4 93.6

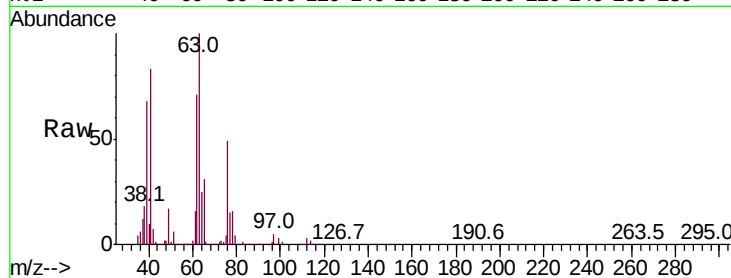
62 70.9 52.8 79.2

Manual Integrations

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MMDadoda

4/12/2021 11:46:31 AM

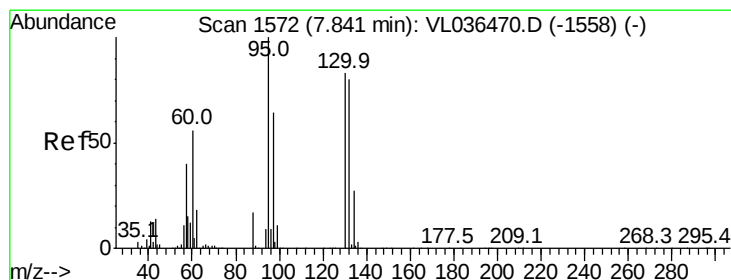
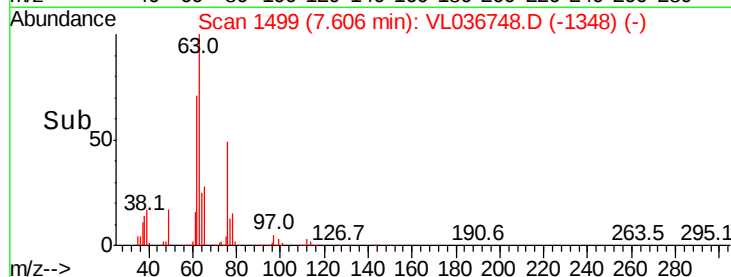
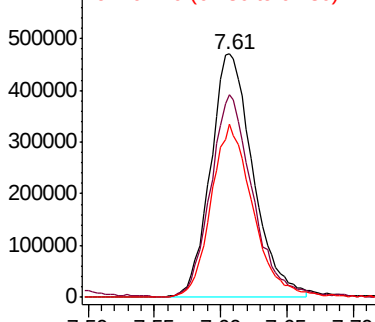


Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.498 ppbv m

RT: 7.83 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Tgt Ion: 88 Resp: 258685

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#

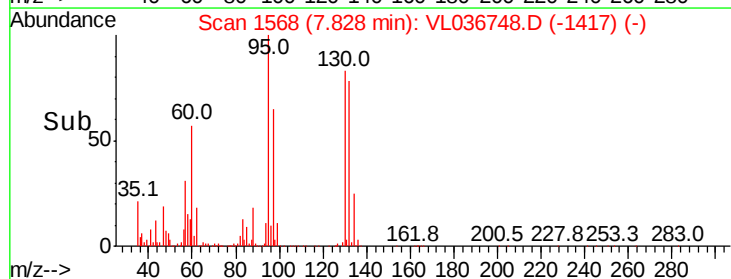
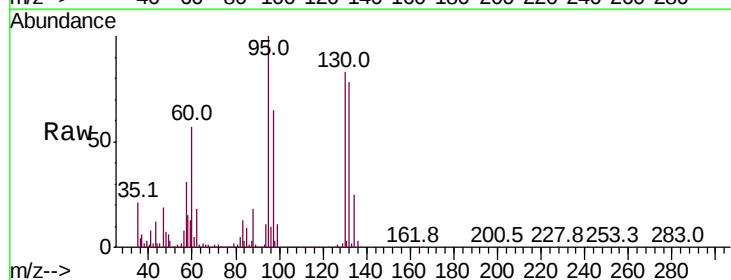
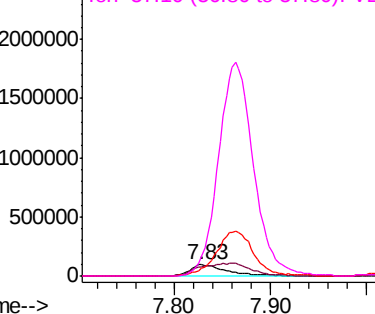
Abundance

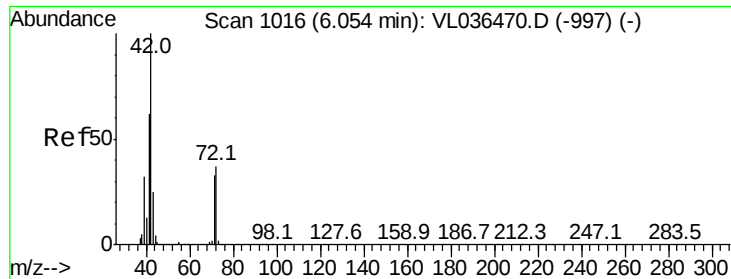
Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





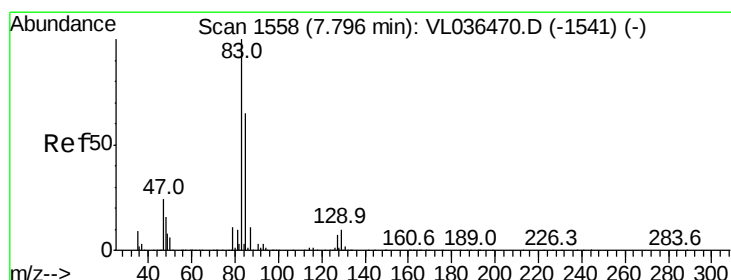
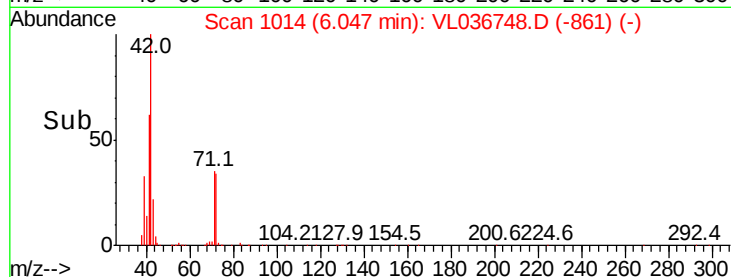
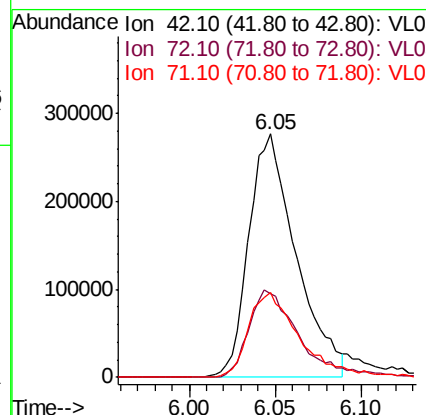
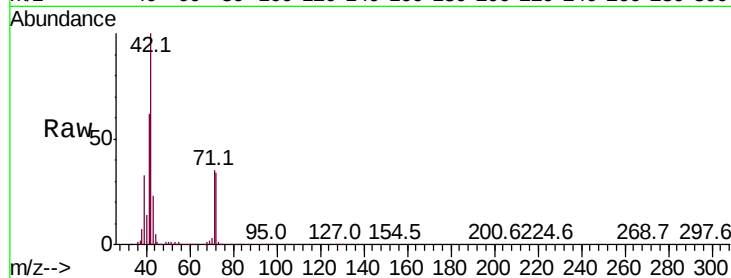
#41
Tetrahydrofuran
Concen: 7.497 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	27.6	41.4
71	38.7	27.0	40.4

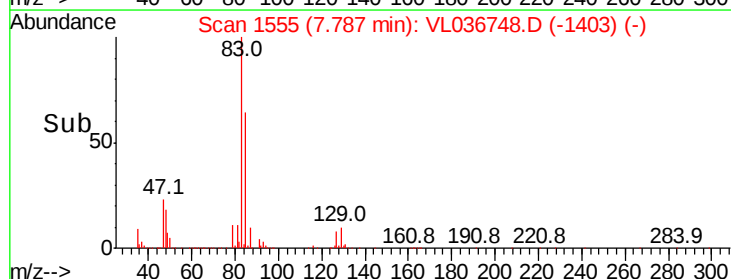
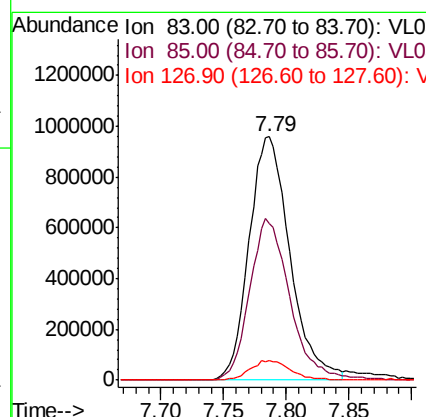
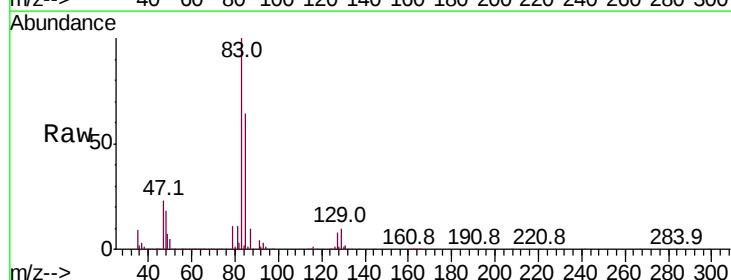
Manual Integrations
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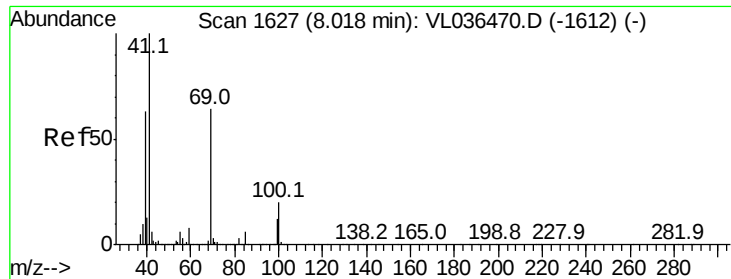
MMDadoda
4/12/2021 11:46:31 AM



#42
Bromodichloromethane
Concen: 9.418 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6
127	8.2	5.8	8.8





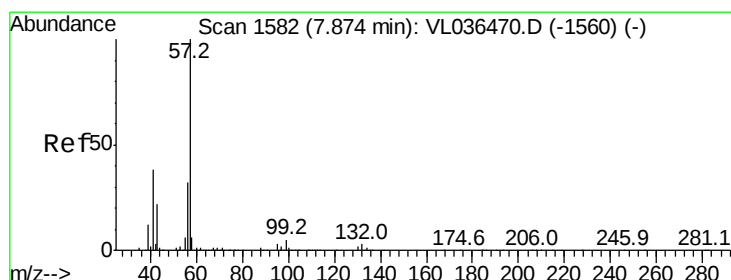
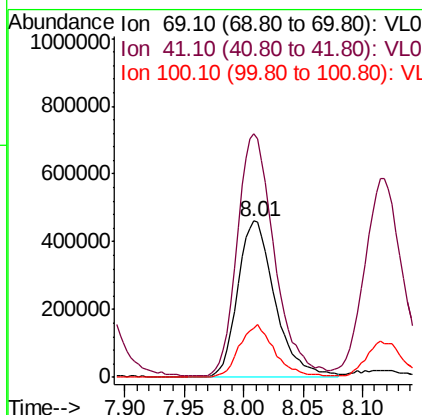
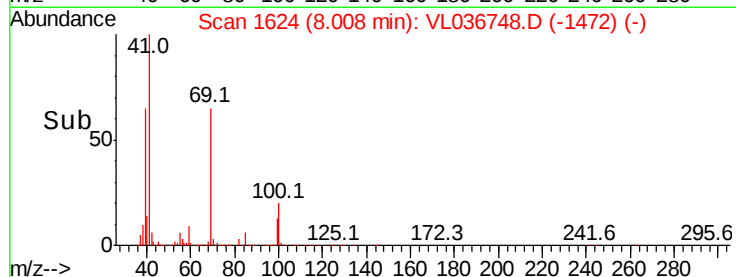
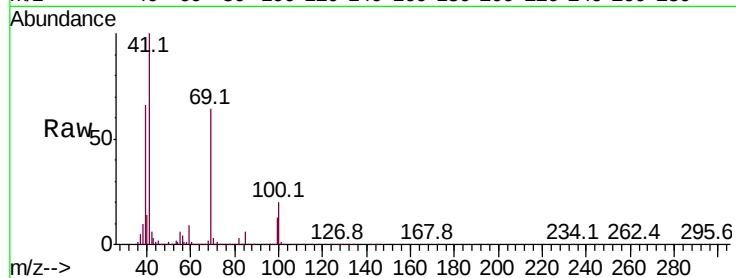
#43
Methvl Methacrylate
Concen: 10.347 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tot Ion: 69 Resp: 1002292
Ion Ratio Lower Upper
69 100
41 155.7 126.8 190.2
100 32.2 24.9 37.3

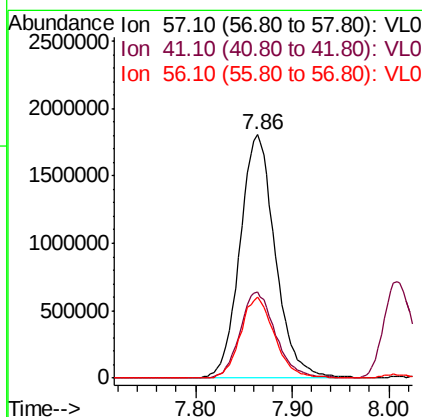
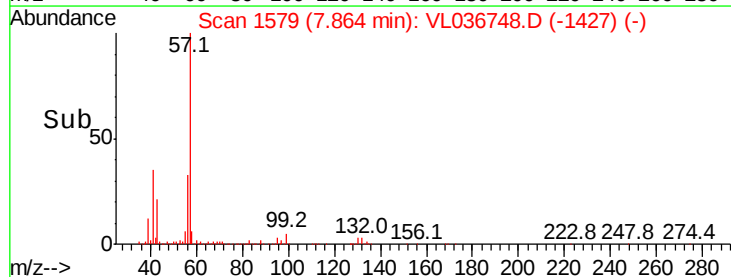
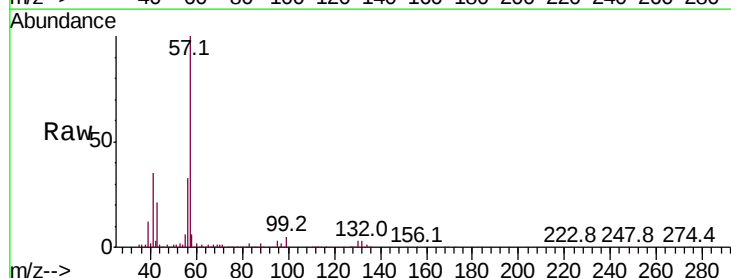
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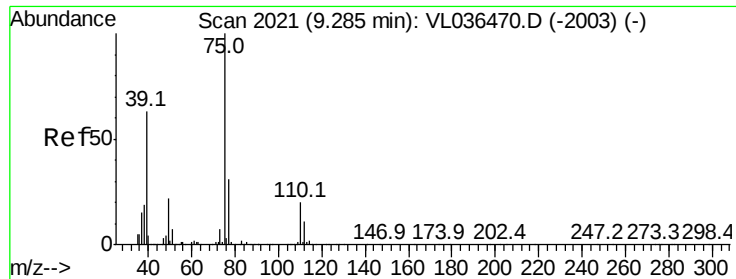
MMDadoda
4/12/2021 11:46:31 AM



#44
2,2,4-Trimethylpentane
Concen: 8.991 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Tgt Ion: 57 Resp: 4564602
Ion Ratio Lower Upper
57 100
41 35.5 28.8 43.2
56 32.4 26.1 39.1





#45

t-1,3-Dichloropropene

Concen: 8.719 ppbv

RT: 9.28 min Scan# 2018

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tot Ion: 75 Resp: 964372

Ion Ratio Lower Upper

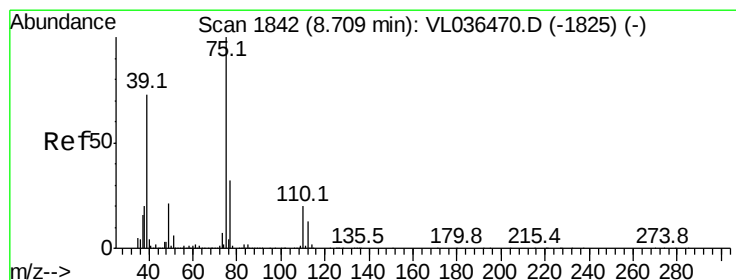
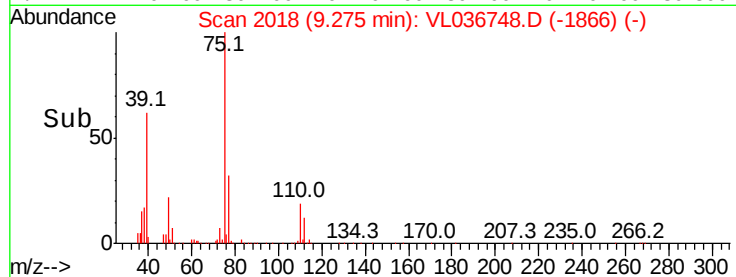
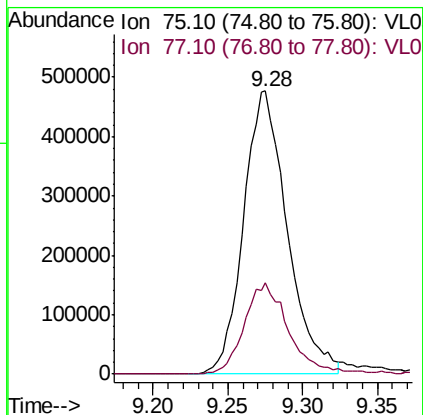
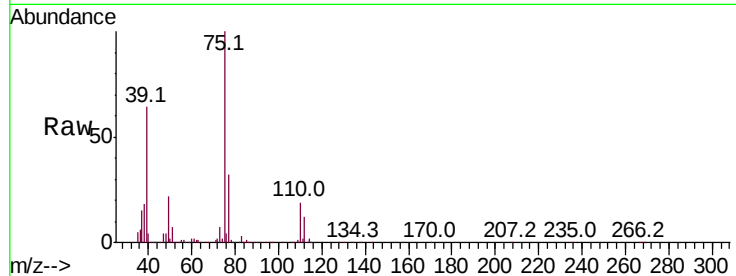
75 100

77 32.2 25.1 37.7

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#46

cis-1,3-Dichloropropene

Concen: 8.711 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

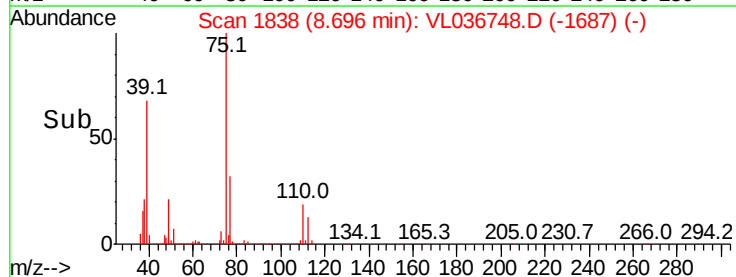
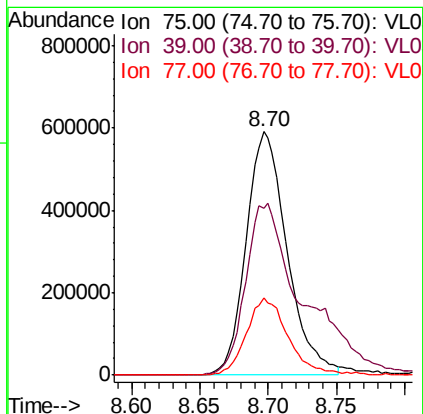
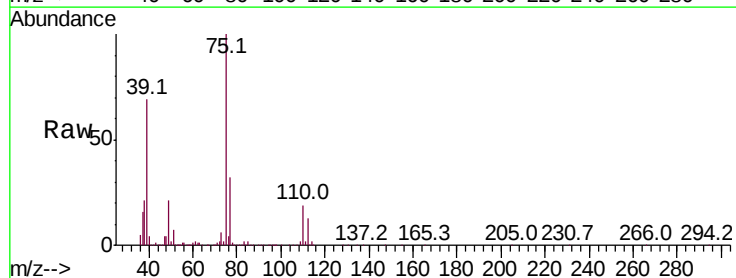
Tgt Ion: 75 Resp: 1231619

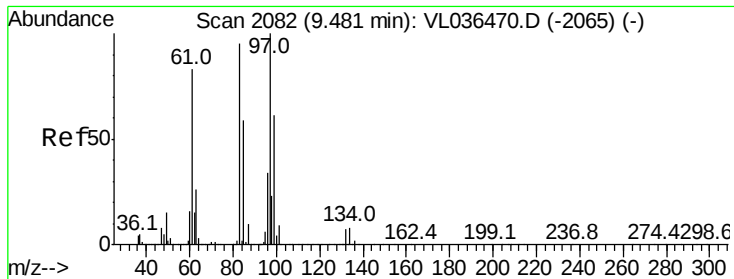
Ion Ratio Lower Upper

75 100

39 68.4 58.2 87.2

77 31.8 25.2 37.8





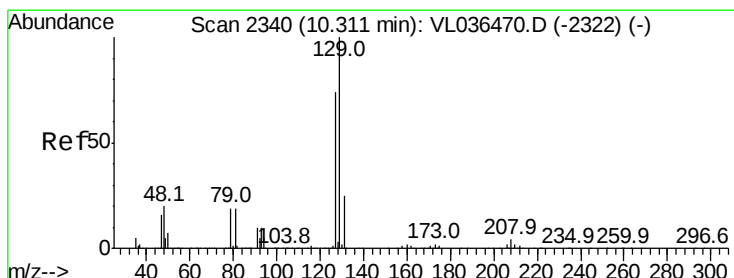
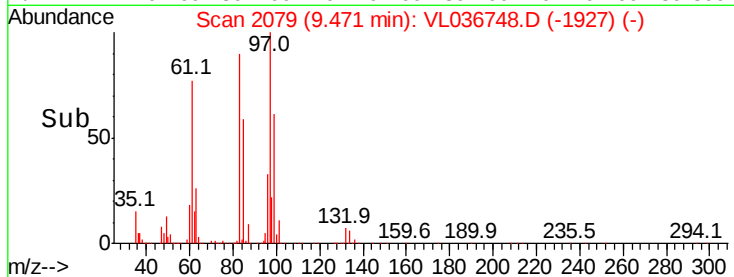
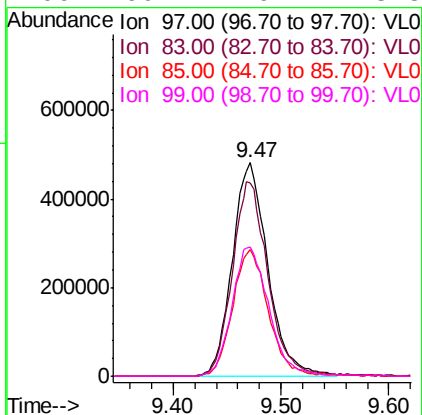
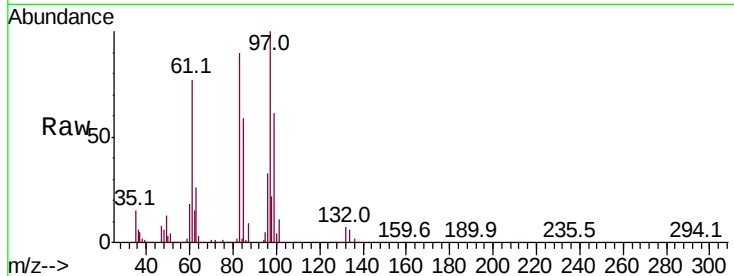
#47
1,1,2-Trichloroethane
Concen: 9.335 ppbv
RT: 9.47 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tot Ion	97	Resp	1106409
Ion	Ratio	Lower	Upper
97	100		
83	90.2	75.8	113.8
85	59.4	47.1	70.7
99	60.7	49.2	73.8

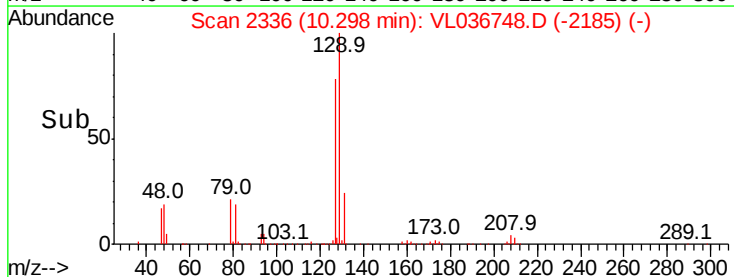
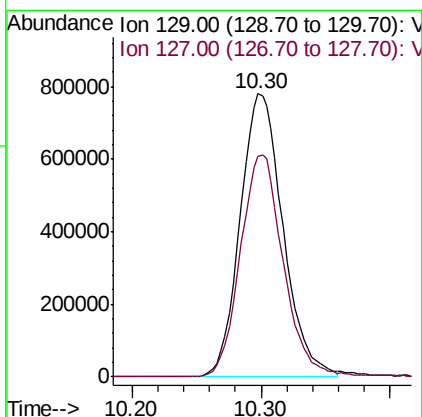
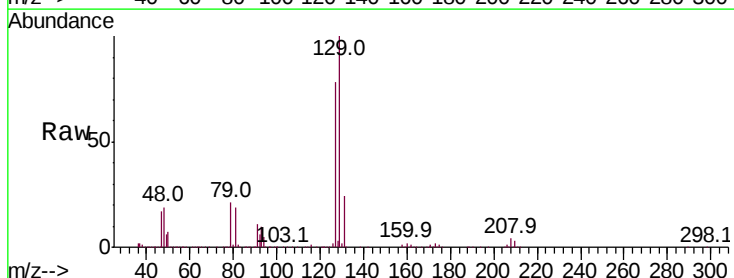
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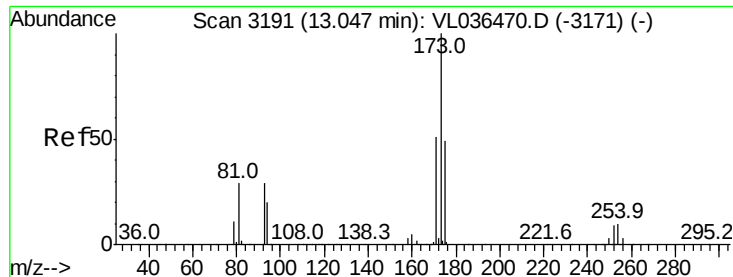
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#48
Dibromochloromethane
Concen: 9.974 ppbv
RT: 10.30 min Scan# 2336
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Tgt Ion	129	Resp	1802082
Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.6	118.8





#49

Bromoform

Concen: 10.355 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tot Ion:173 Resp: 1507458

Ion Ratio Lower Upper

173 100

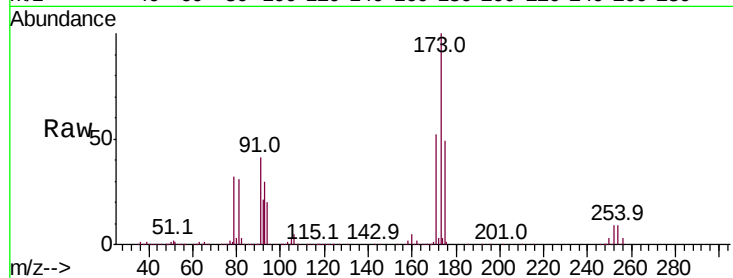
175 50.6 39.6 59.4

171 53.0 41.4 62.0

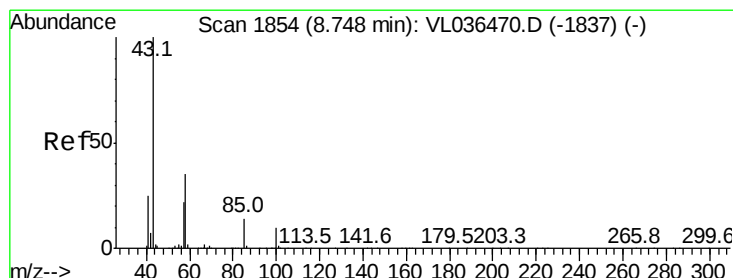
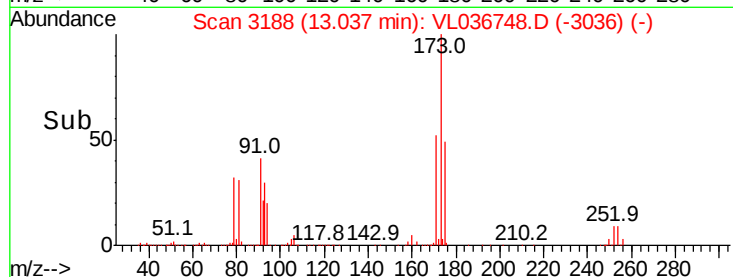
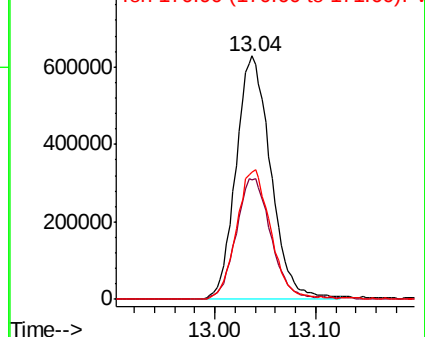
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.860 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL036748.D

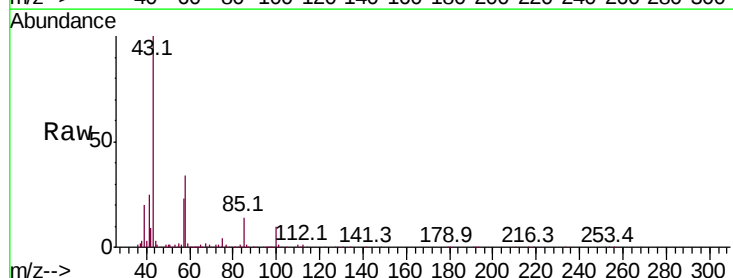
Acq: 8 Apr 2021 12:47

Tgt Ion: 43 Resp: 1957396

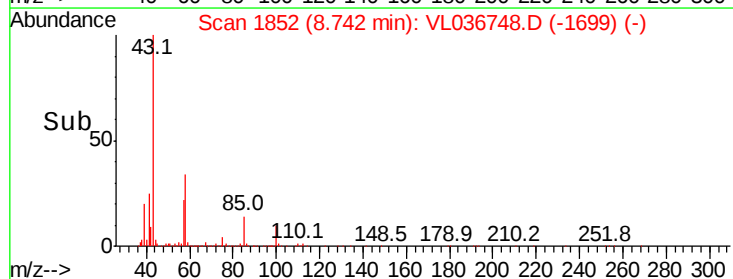
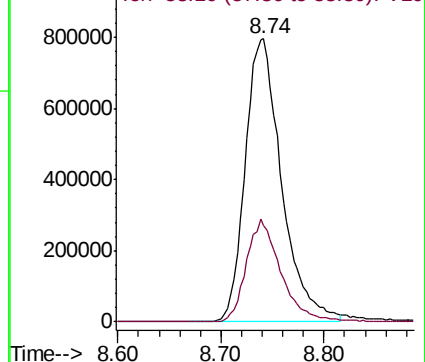
Ion Ratio Lower Upper

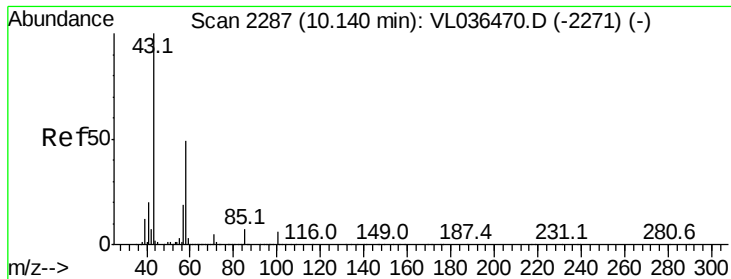
43 100

58 34.7 28.2 42.2



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





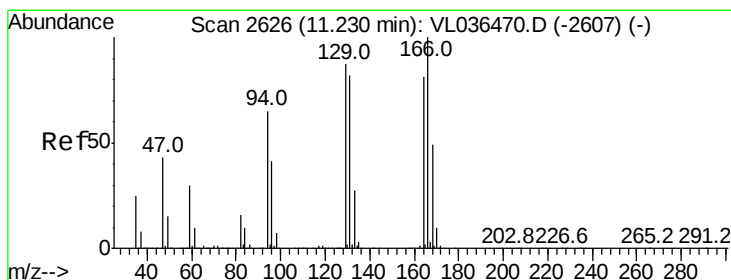
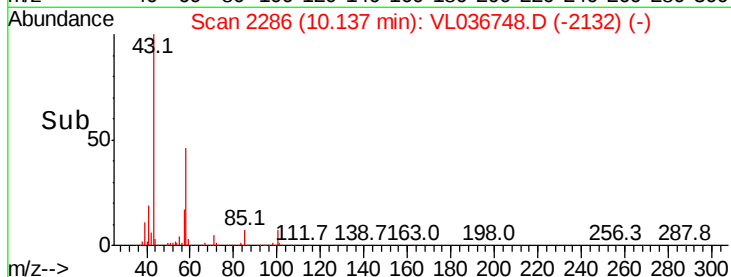
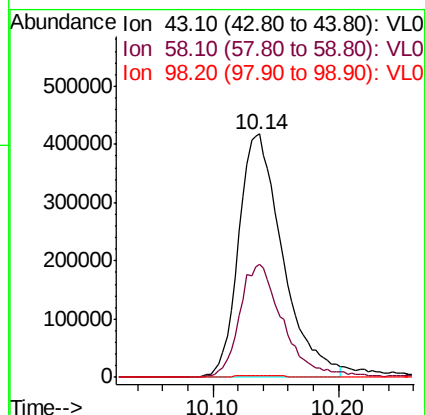
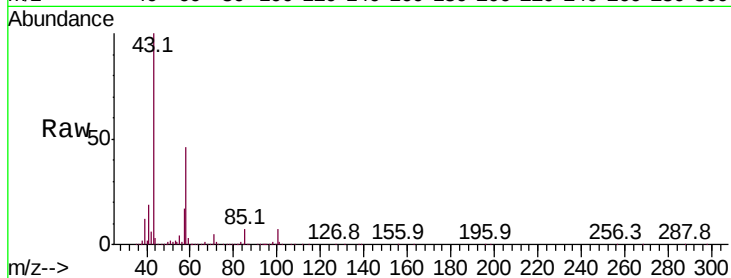
#51
2-Hexanone
Concen: 9.105 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tot Ion: 43 Resp: 1015077
Ion Ratio Lower Upper
43 100
58 46.3 37.7 56.5
98 1.1 0.2 0.2#

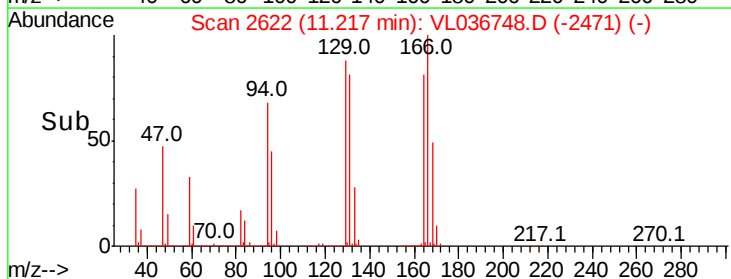
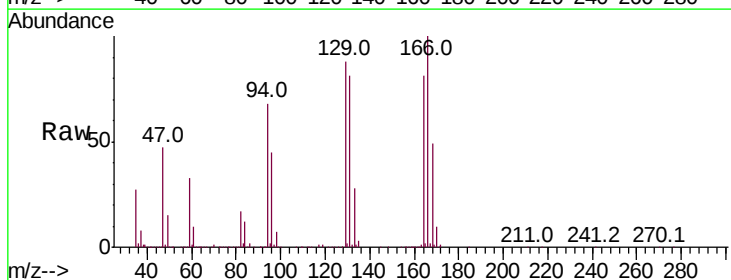
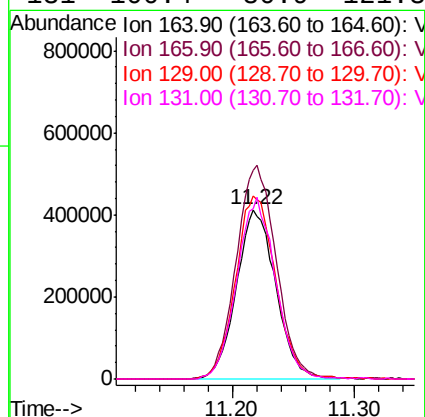
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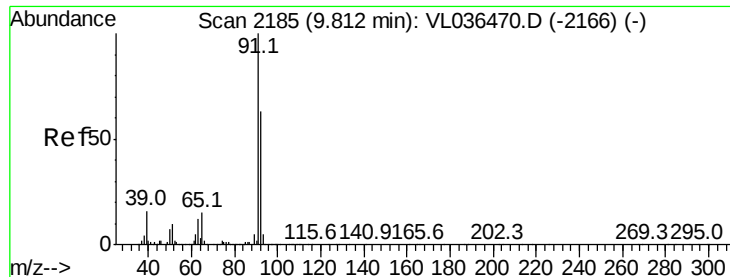
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#52
Tetrachloroethene
Concen: 8.614 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Tgt Ion: 164 Resp: 914966
Ion Ratio Lower Upper
164 100
166 123.3 98.3 147.5
129 108.5 85.8 128.8
131 100.4 80.9 121.3





#53

Toluene

Concen: 9.890 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tot Ion: 91 Resp: 3038160

Ion Ratio Lower Upper

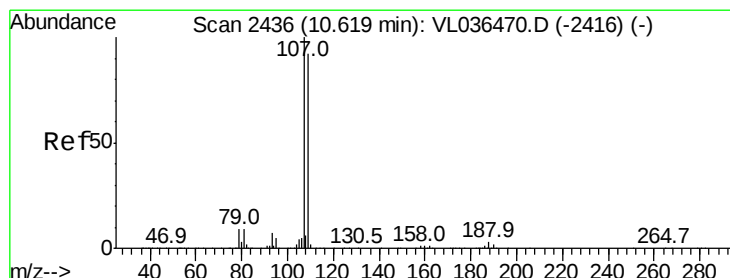
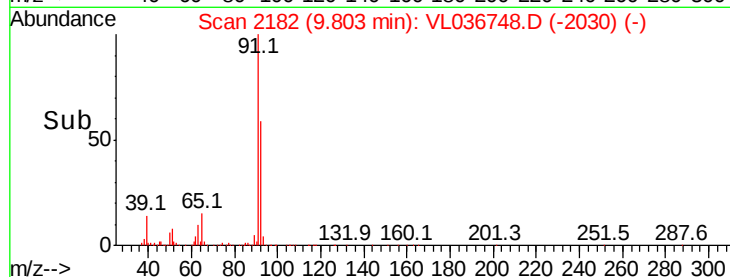
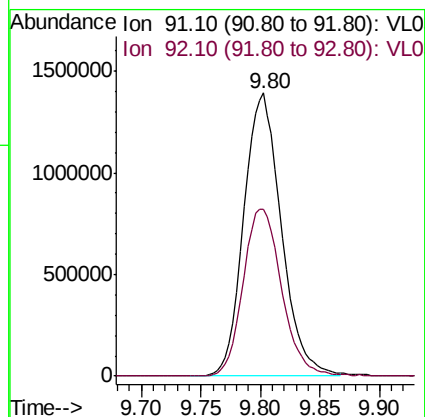
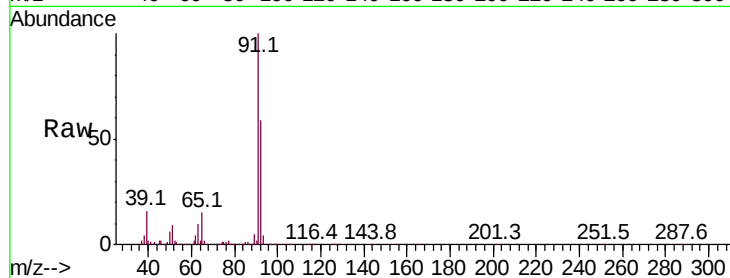
91 100

92 61.0 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 9.455 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.02 min

Lab File: VL036748.D

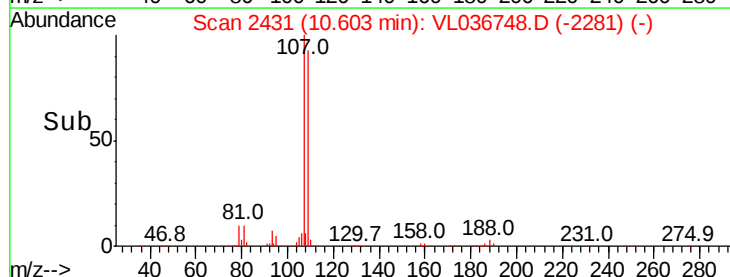
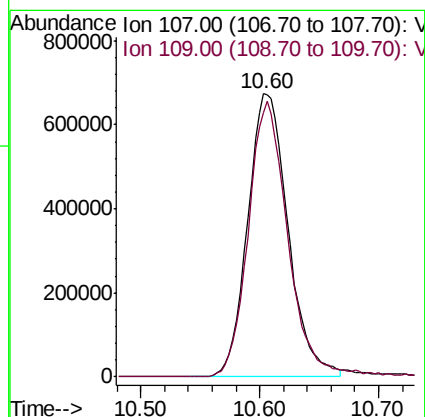
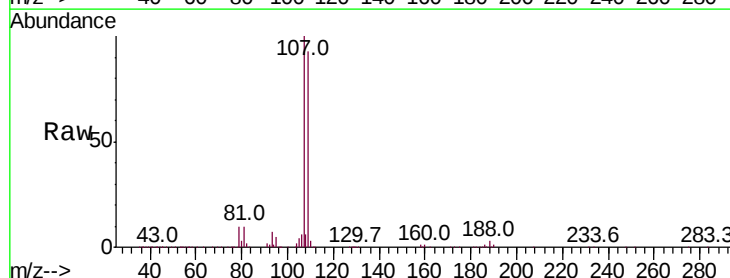
Acq: 8 Apr 2021 12:47

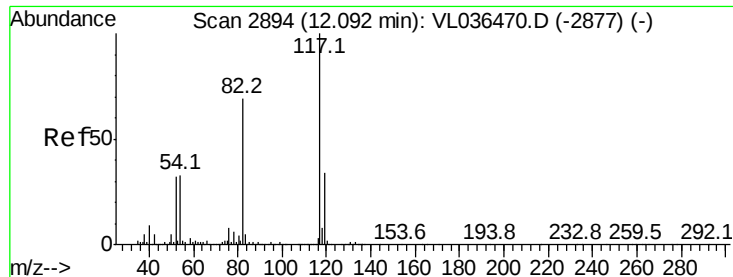
Tgt Ion: 107 Resp: 1582604

Ion Ratio Lower Upper

107 100

109 93.4 73.9 110.9





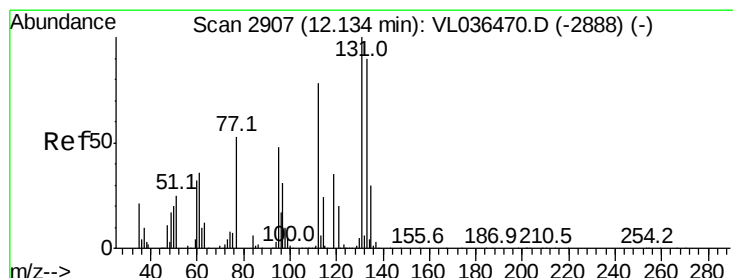
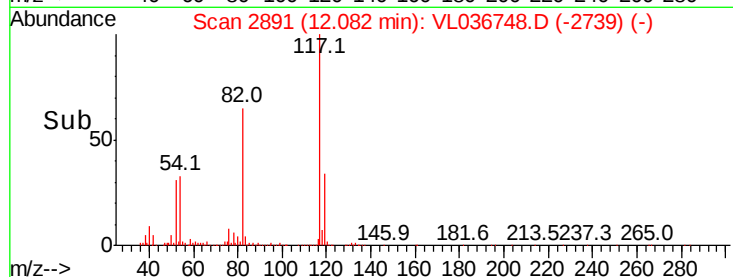
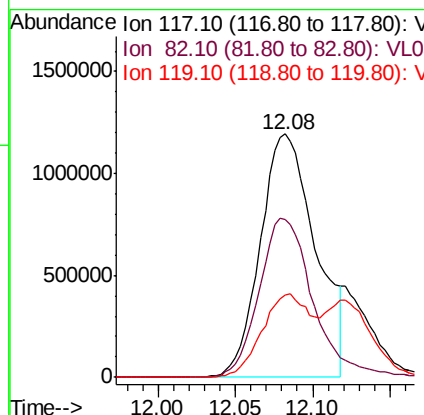
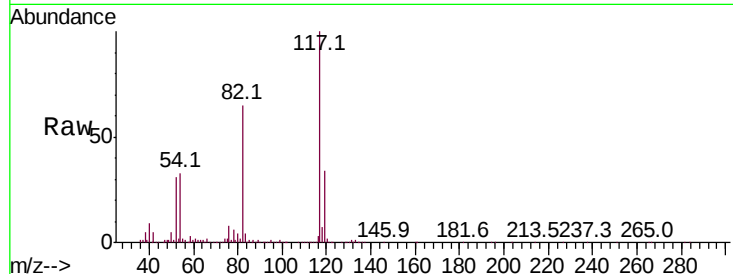
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.3	57.4	86.0
119	29.3	47.4	71.0

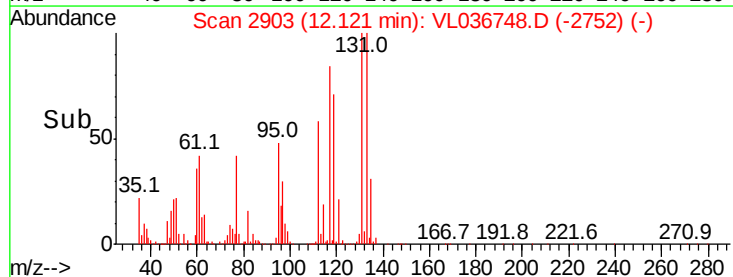
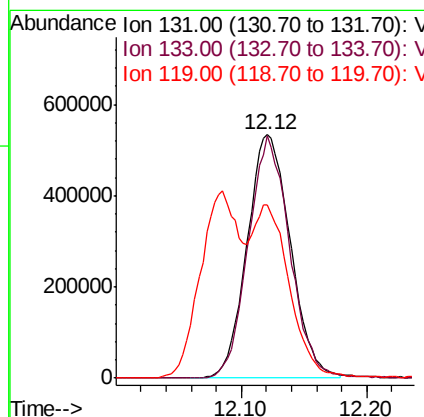
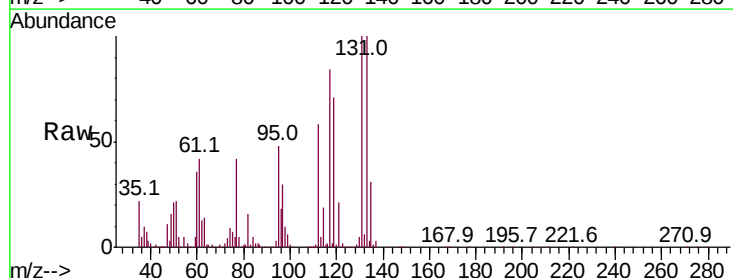
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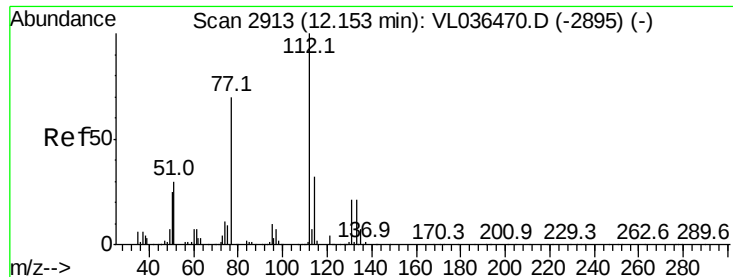
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.504 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	75.8	113.6
119	69.0	48.7	73.1





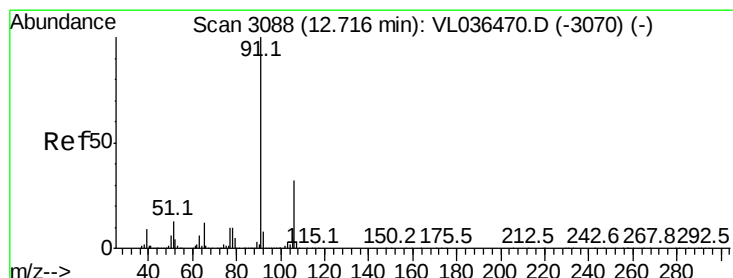
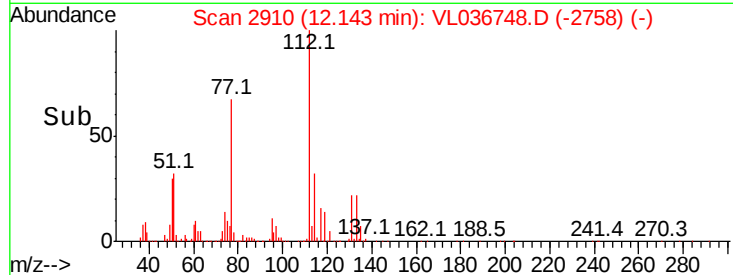
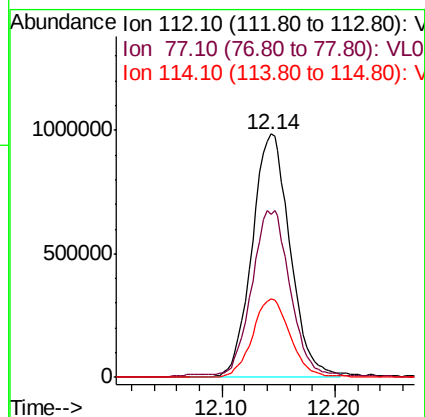
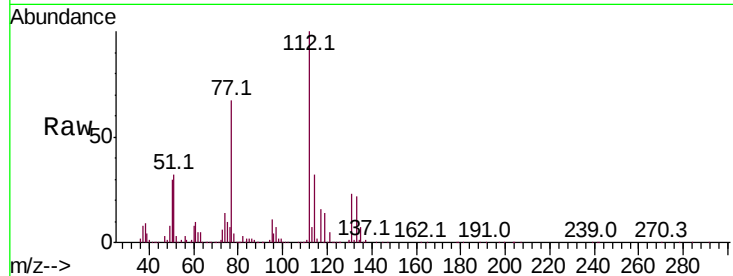
#57
Chlorobenzene
Concen: 9.059 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	66.2	56.0	84.0
114	32.3	29.0	35.4

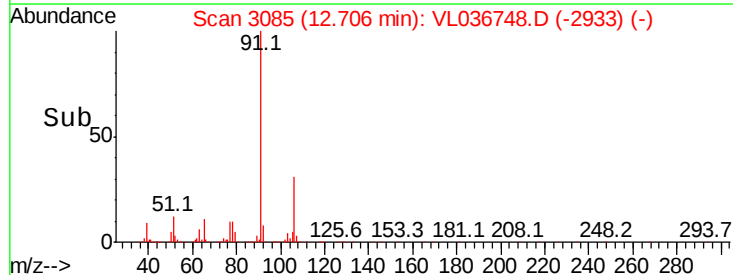
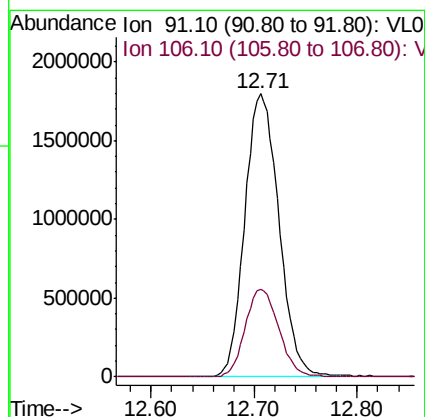
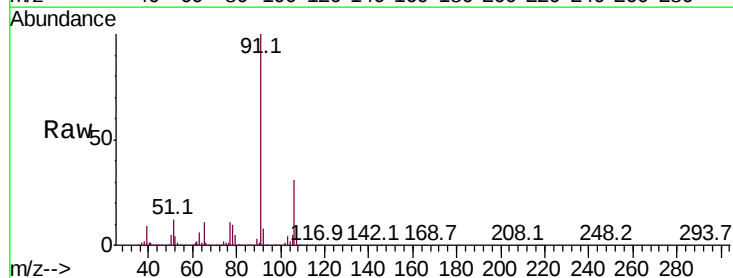
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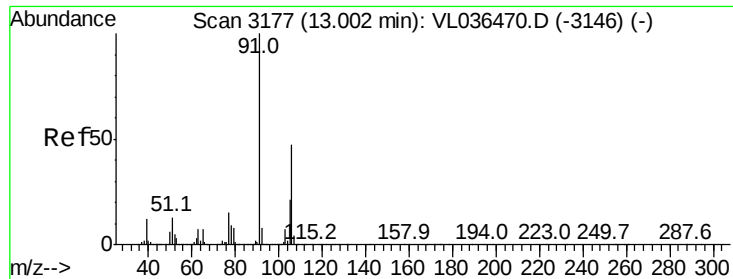
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#58
Ethyl Benzene
Concen: 9.545 ppbv
RT: 12.71 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.3	37.9





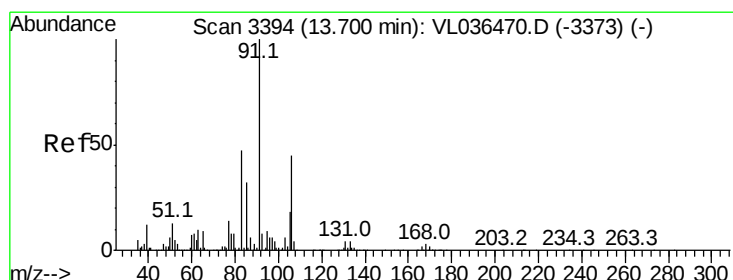
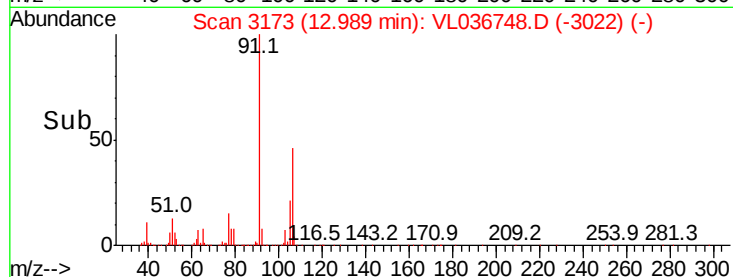
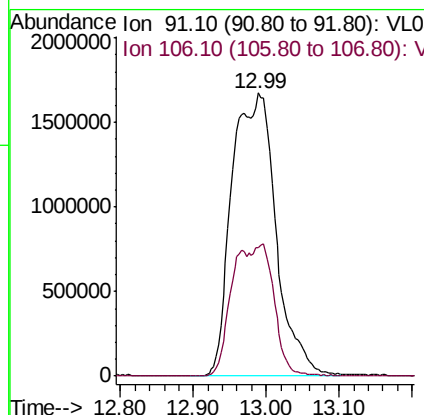
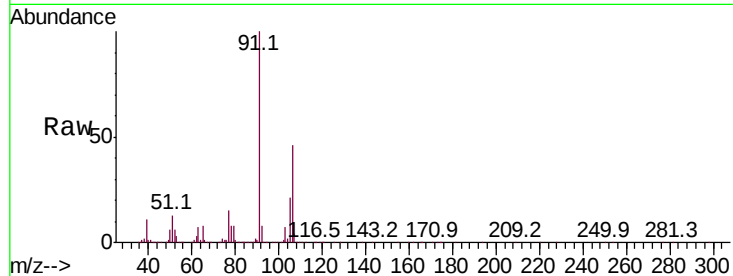
#59
m/p-Xylene
Concen: 18.680 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tot Ion: 91 Resp: 7059154
Ion Ratio Lower Upper
91 100
106 44.2 35.3 52.9

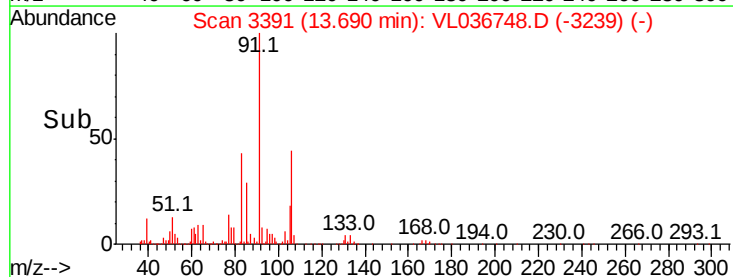
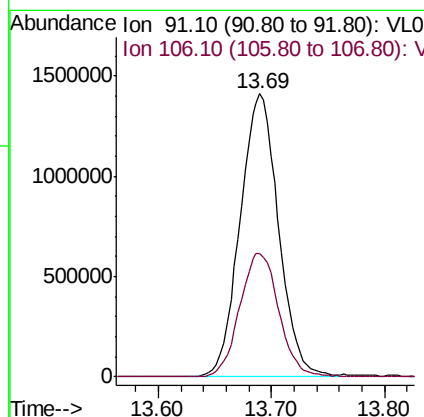
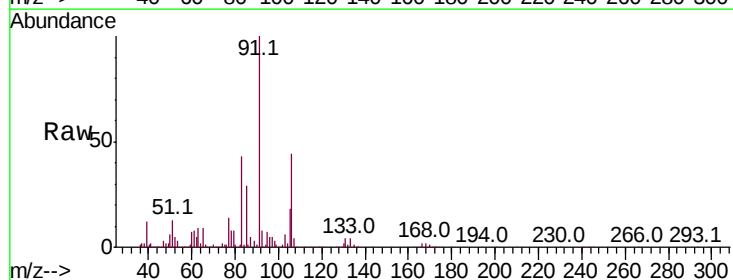
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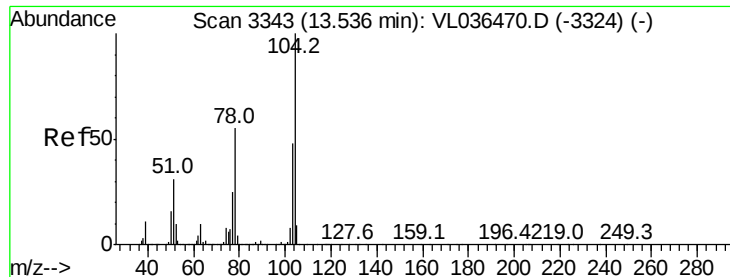
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#60
o-Xylene
Concen: 9.082 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Tgt Ion: 91 Resp: 3318436
Ion Ratio Lower Upper
91 100
106 44.9 22.3 66.9





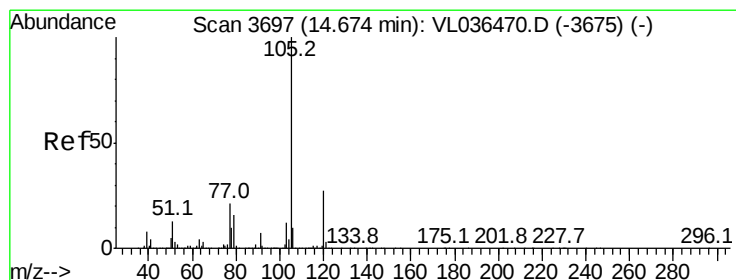
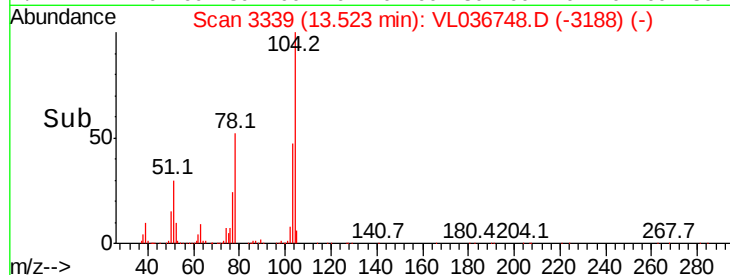
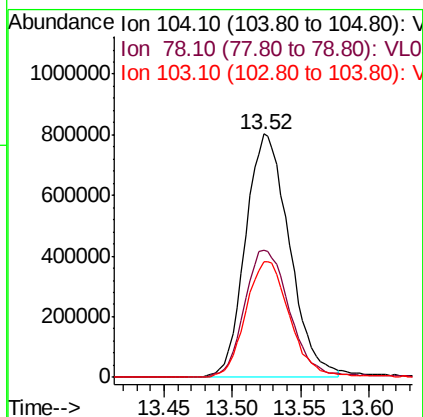
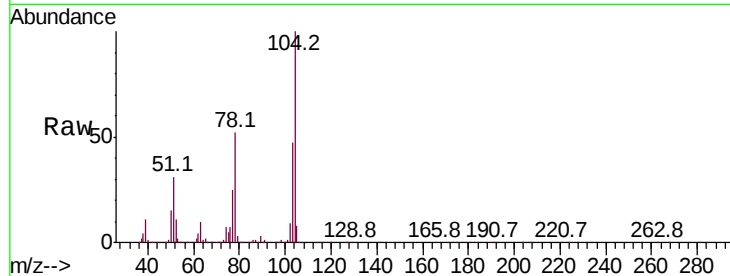
#61
Stvrene
Concen: 9.764 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.4	43.8	65.8
103	48.1	38.3	57.5

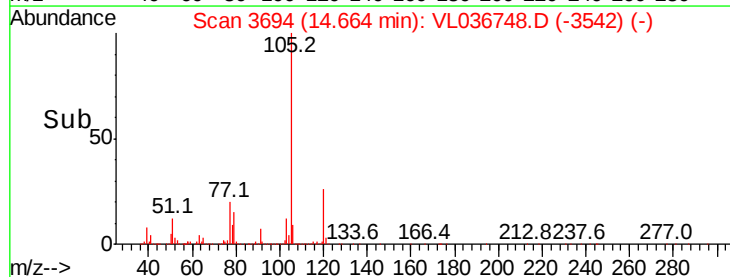
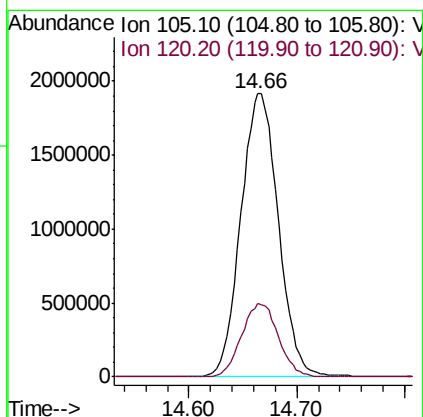
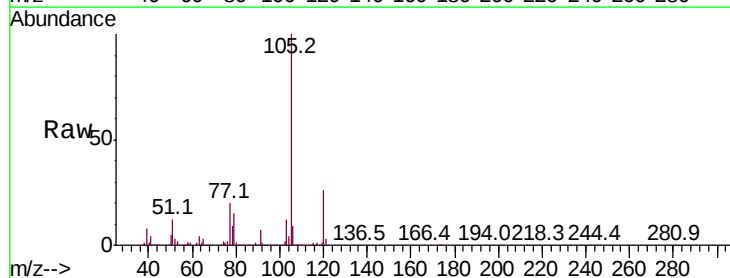
Manual Integrations
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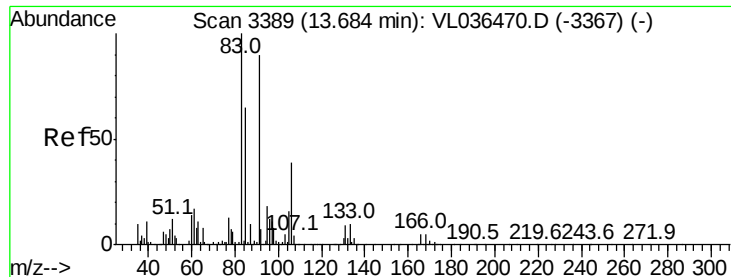
MMDadoda
4/12/2021 11:46:31 AM



#62
Isopropylbenzene
Concen: 9.404 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 8.818 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tot Ion: 83 Resp: 2457807

Ion Ratio Lower Upper

83 100

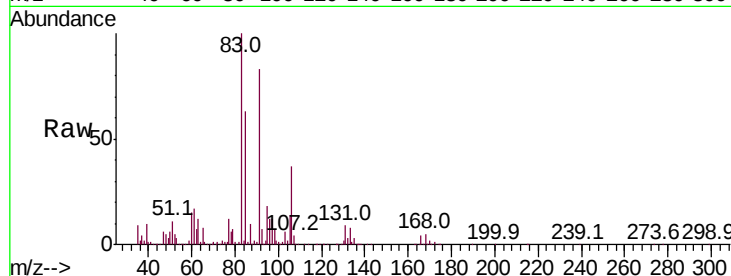
131 9.1 4.7 14.0

85 65.4 33.1 99.3

Manual Integrations
APPROVED

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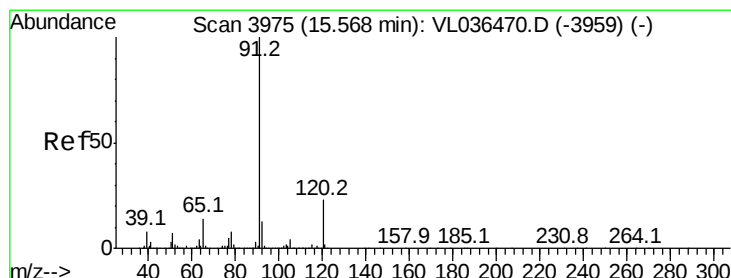
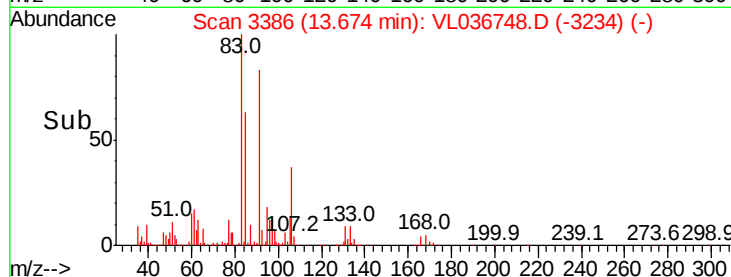
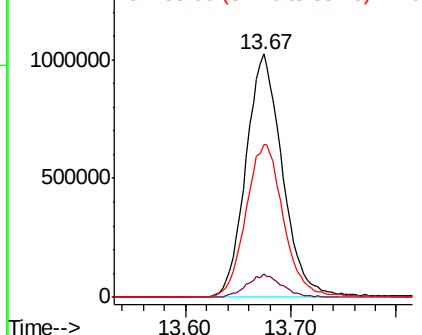
4/12/2021 11:46:31 AM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.998 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VL036748.D

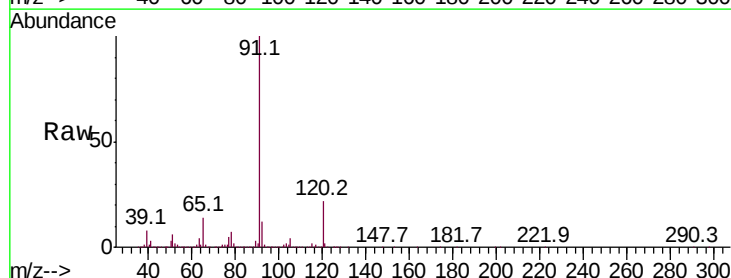
Acq: 8 Apr 2021 12:47

Tgt Ion:120 Resp: 1202817

Ion Ratio Lower Upper

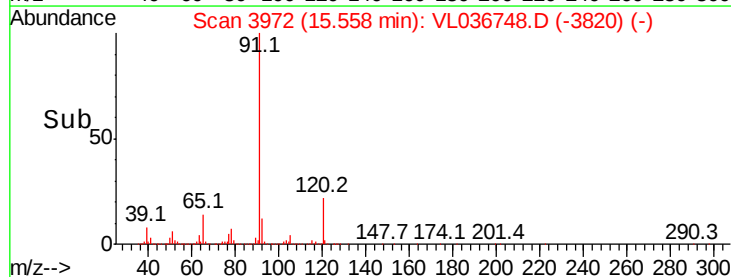
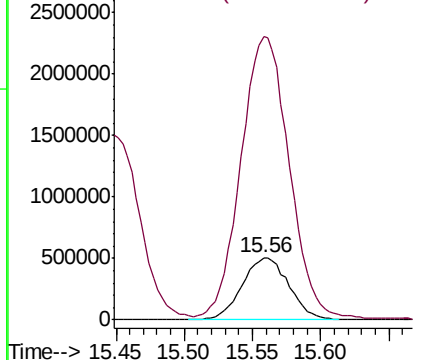
120 100

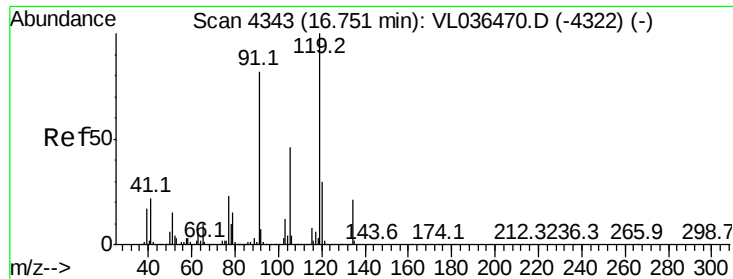
91 475.0 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





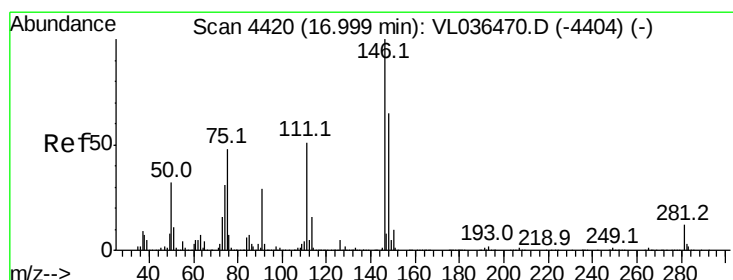
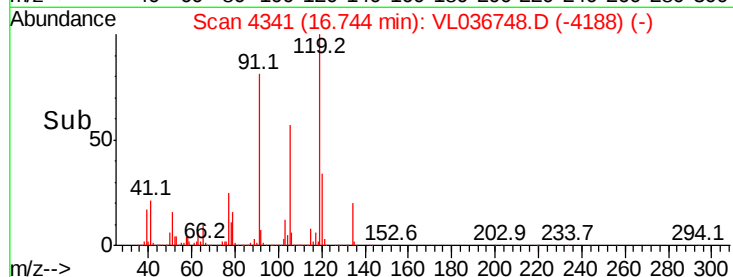
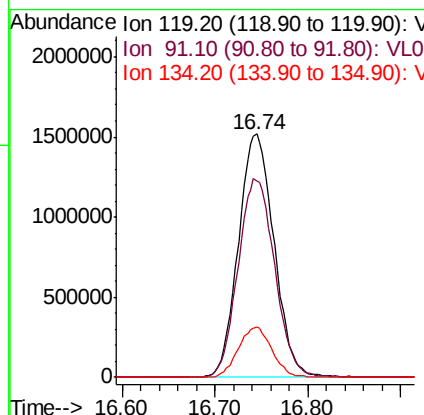
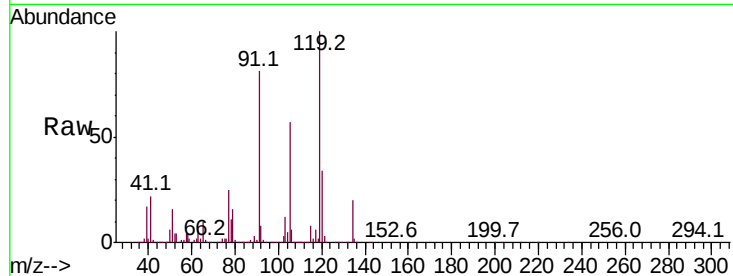
#65
tert-Butylbenzene
Concen: 9.466 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tot Ion: 119 Resp: 4038750
Ion Ratio Lower Upper
119 100
91 84.3 67.5 101.3
134 19.7 15.8 23.8

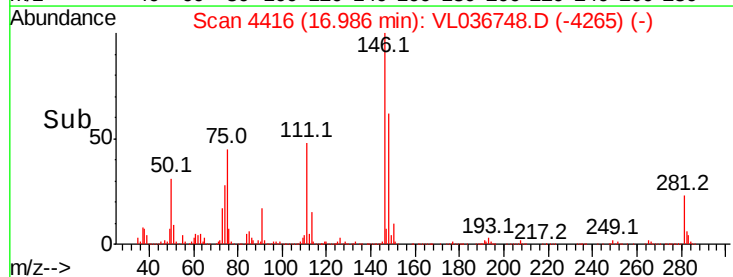
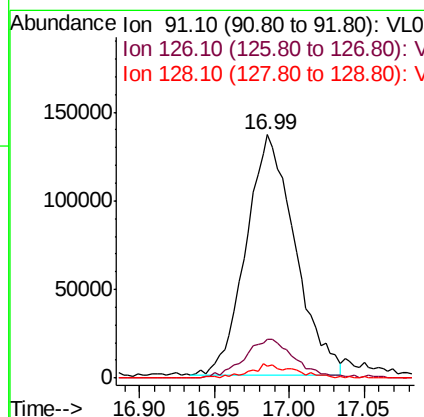
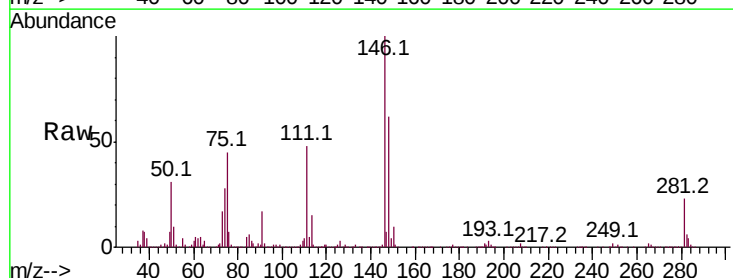
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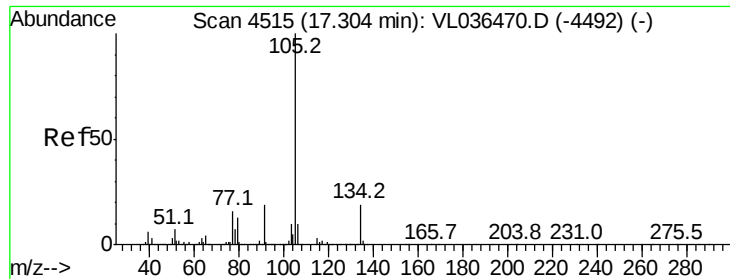
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#66
Benzyl Chloride
Concen: 6.506 ppbv
RT: 16.99 min Scan# 4416
Delta R.T. -0.01 min
Lab File: VL036748.D
Acq: 8 Apr 2021 12:47

Tgt Ion: 91 Resp: 306856
Ion Ratio Lower Upper
91 100
126 17.9 13.5 20.3
128 5.8 4.2 6.4





#67

sec-Butylbenzene

Concen: 9.432 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tot Ion:105 Resp: 5680746

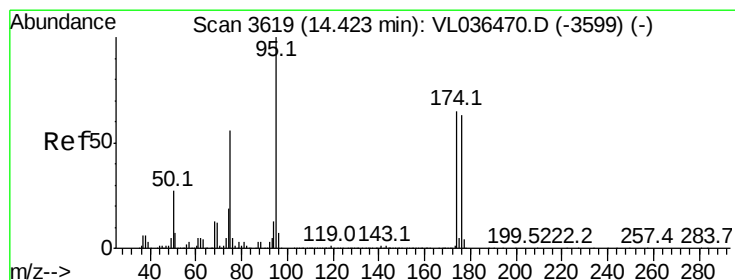
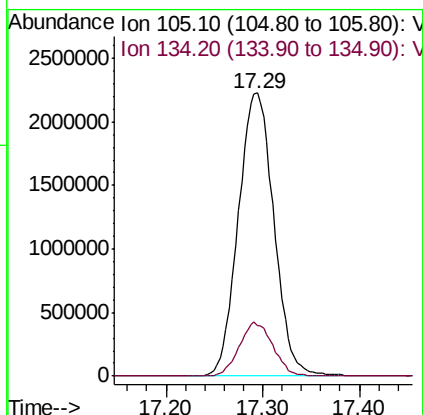
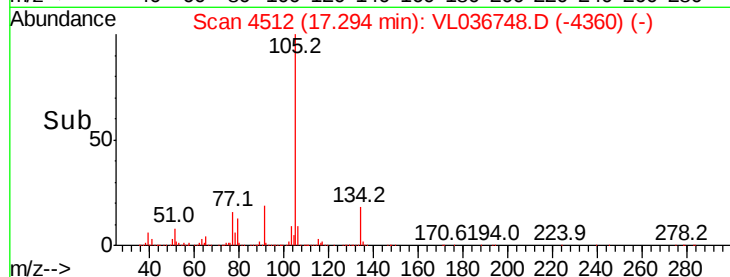
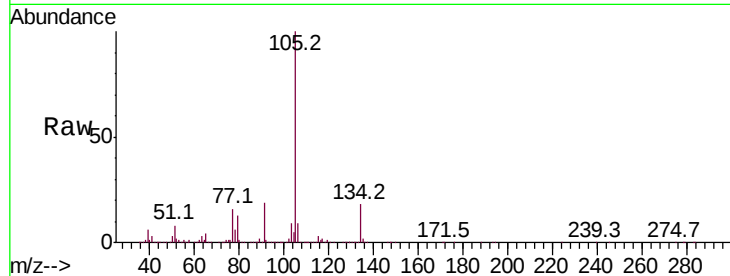
Ion Ratio Lower Upper

105 100

134 18.1 14.7 22.1

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.767 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

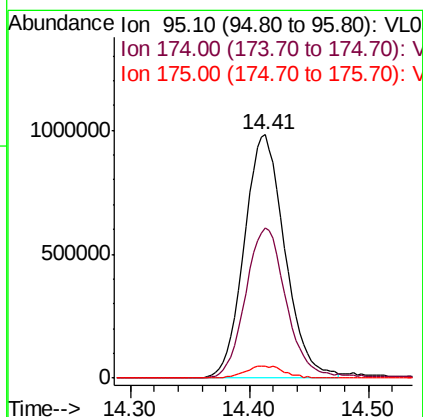
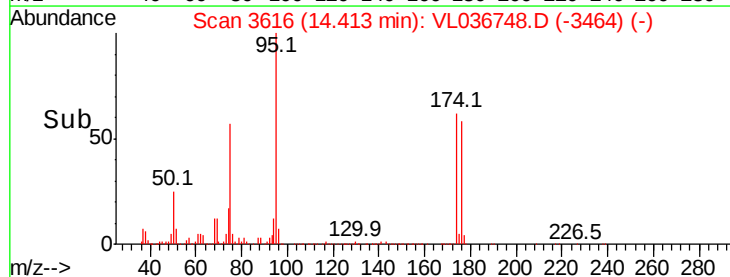
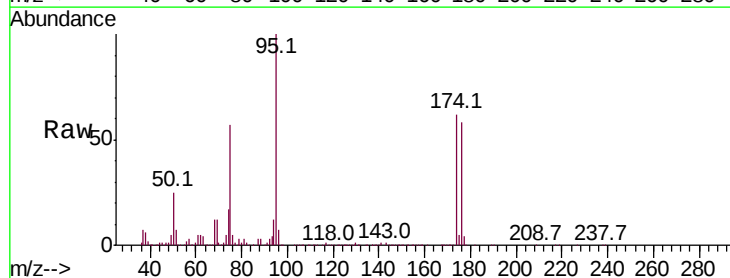
Tgt Ion: 95 Resp: 2318203

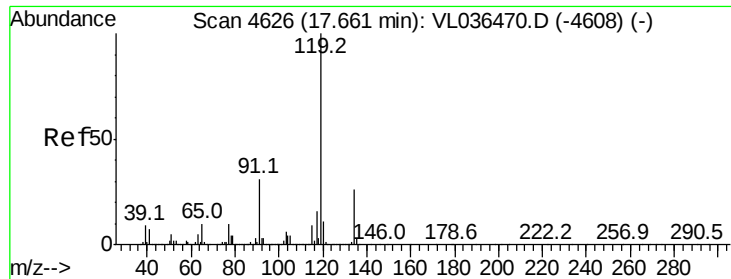
Ion Ratio Lower Upper

95 100

174 63.2 51.0 76.6

175 4.8 3.9 5.9





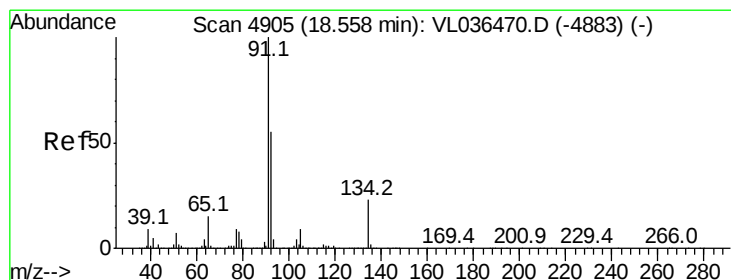
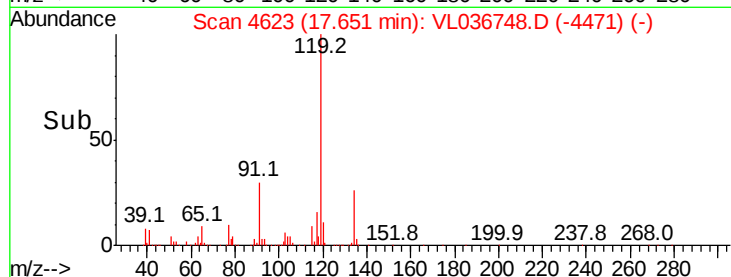
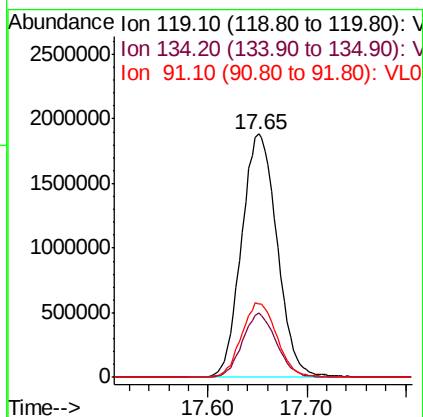
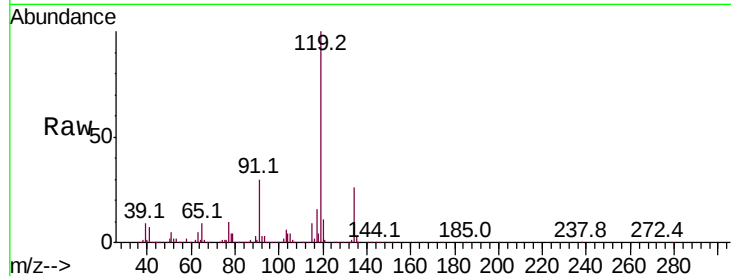
#69
 p-Isopropyltoluene
 Concen: 9.993 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. -0.01 min
 Lab File: VL036748.D
 Acq: 8 Apr 2021 12:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0408ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	30.5	25.0	37.6

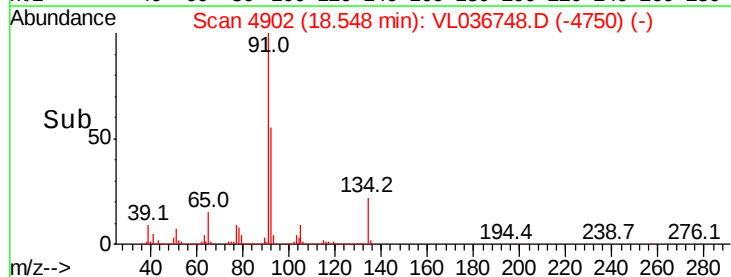
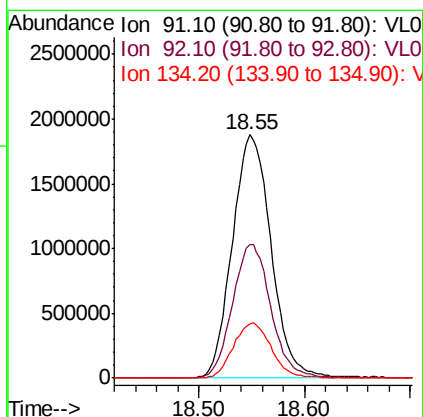
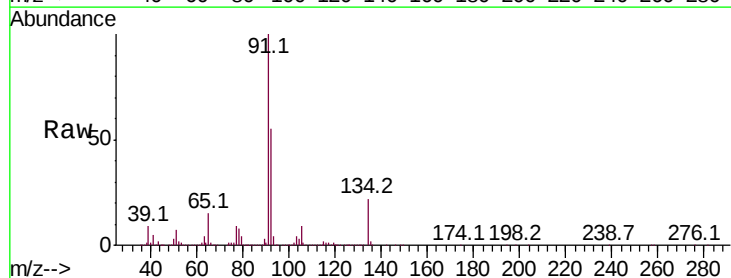
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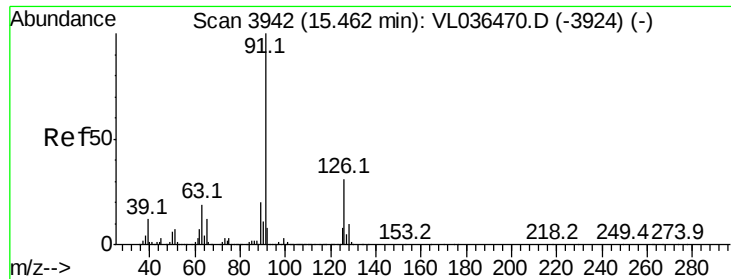
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#70
 n-Butylbenzene
 Concen: 9.827 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. -0.01 min
 Lab File: VL036748.D
 Acq: 8 Apr 2021 12:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.8	65.8
134	22.5	18.0	27.0





#71

2-Chlorotoluene

Concen: 9.705 ppbv

RT: 15.45 min Scan# 3938

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tot Ion: 91 Resp: 3578536

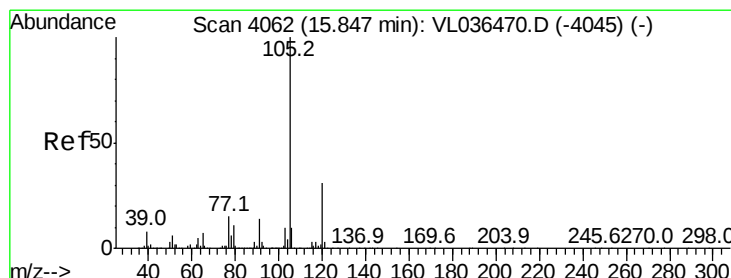
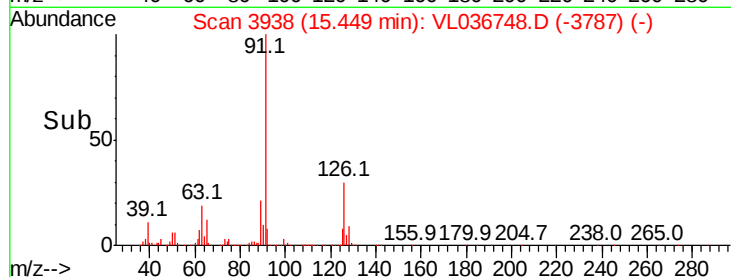
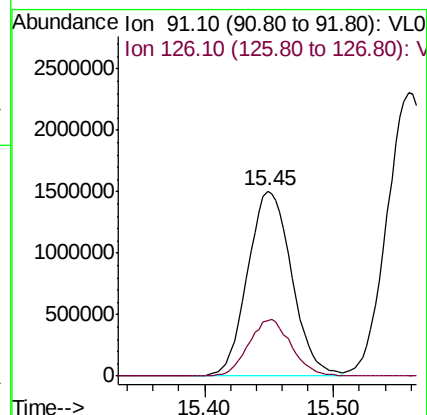
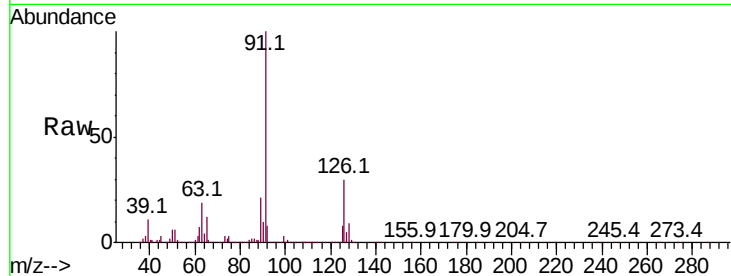
Ion Ratio Lower Upper

91 100

126 29.9 12.1 48.5

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#72

4-Ethyltoluene

Concen: 9.747 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Tgt Ion: 105 Resp: 3902578

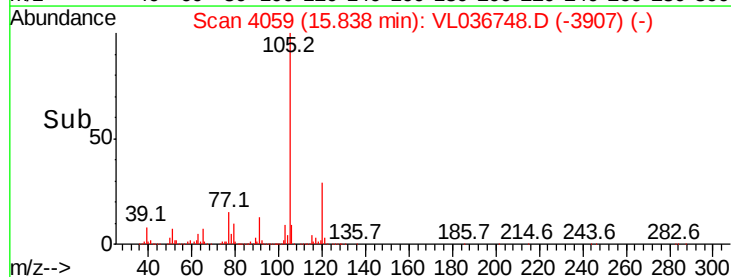
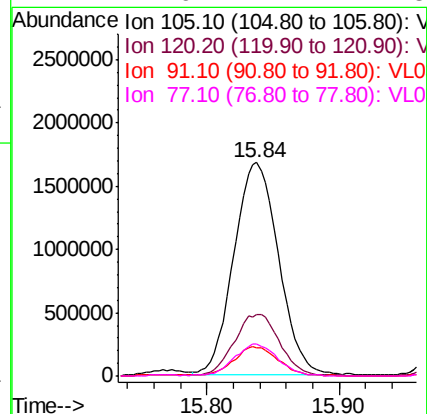
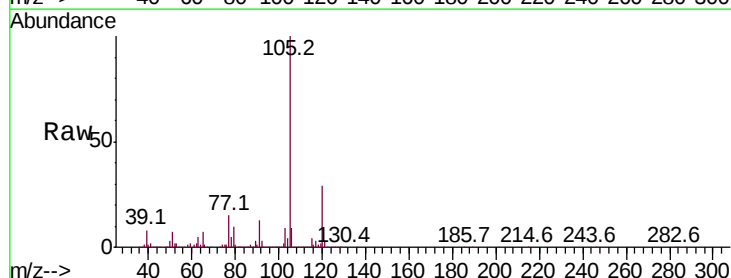
Ion Ratio Lower Upper

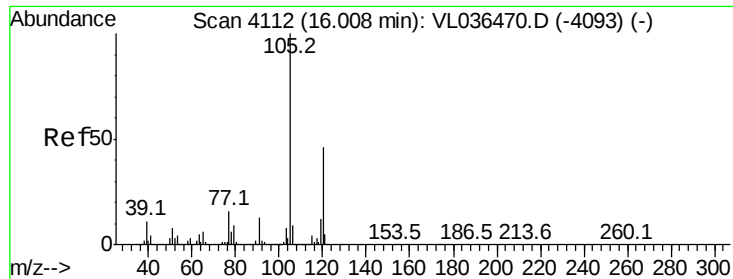
105 100

120 30.0 24.0 36.0

91 13.5 11.0 16.4

77 14.9 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 9.424 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tot Ion:105 Resp: 3521763

Ion Ratio Lower Upper

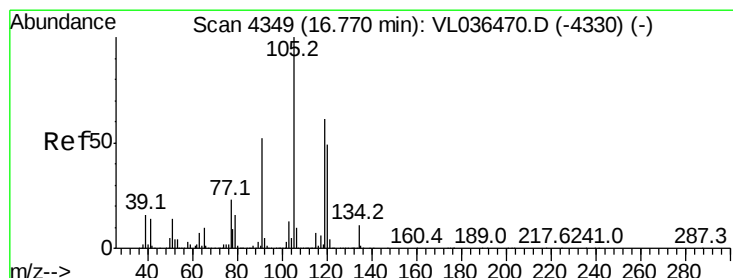
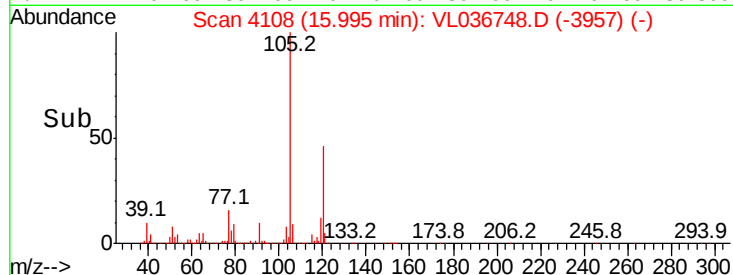
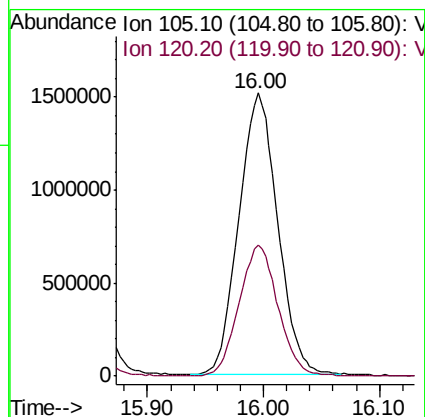
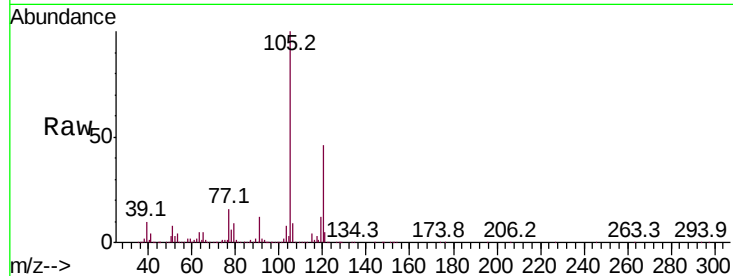
105 100

120 46.3 36.6 54.8

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#74

1,2,4-Trimethylbenzene

Concen: 9.252 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Tgt Ion:105 Resp: 3699719

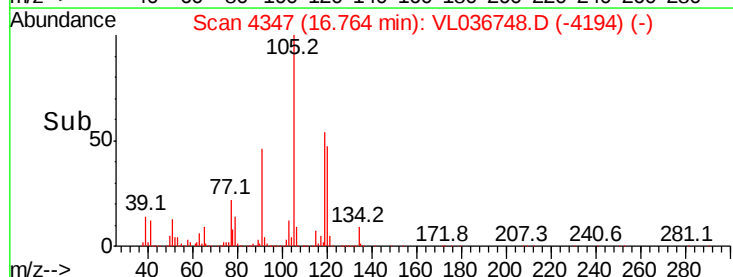
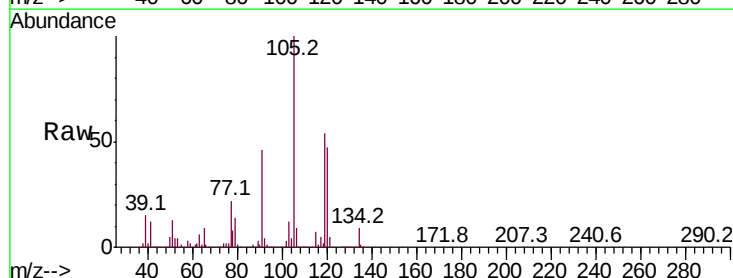
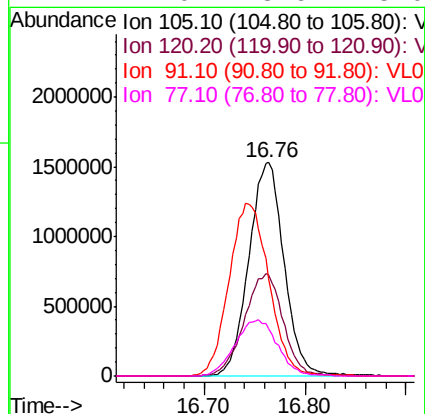
Ion Ratio Lower Upper

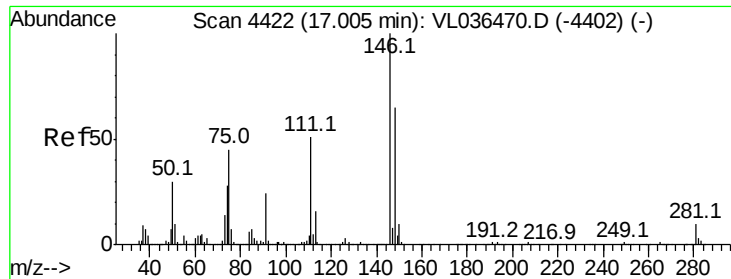
105 100

120 47.2 39.2 58.8

91 45.5 42.6 64.0

77 22.0 18.6 28.0





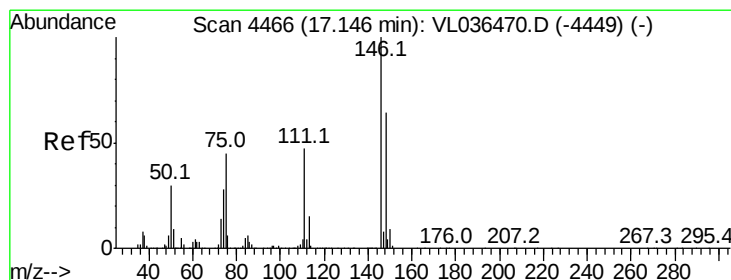
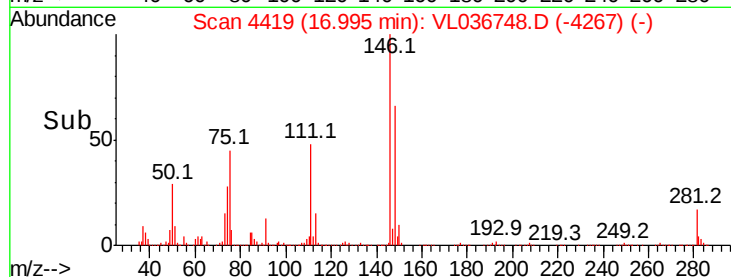
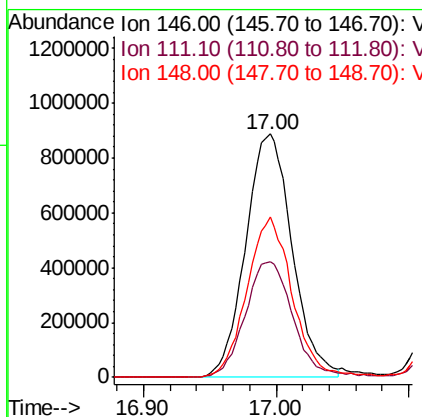
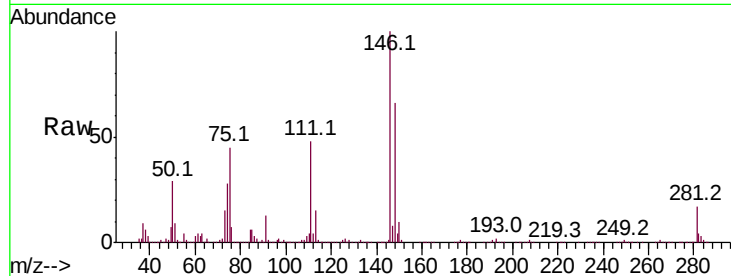
#75
 1,3-Dichlorobenzene
 Concen: 9.647 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. -0.01 min
 Lab File: VL036748.D
 Acq: 8 Apr 2021 12:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0408ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.5	73.5
148	64.5	32.3	96.9

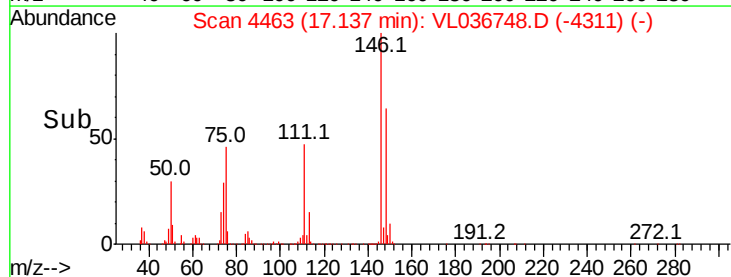
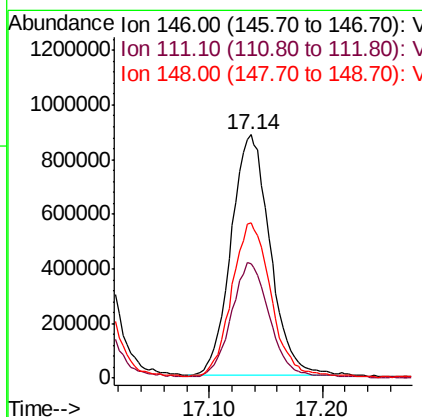
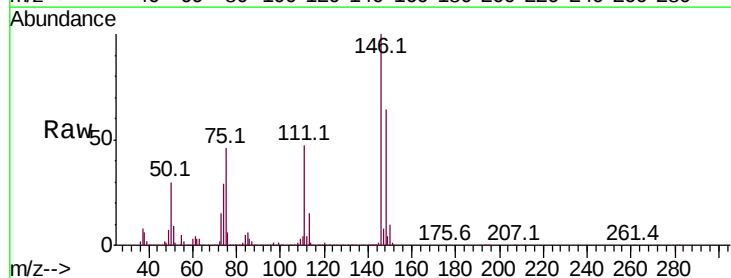
Manual Integrations
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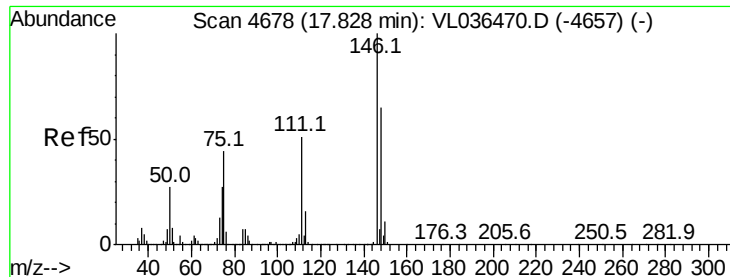
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#76
 1,4-Dichlorobenzene
 Concen: 9.436 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. -0.01 min
 Lab File: VL036748.D
 Acq: 8 Apr 2021 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.7	24.3	72.8
148	65.7	33.0	98.9





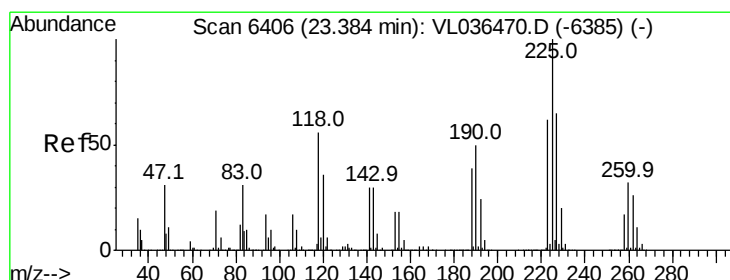
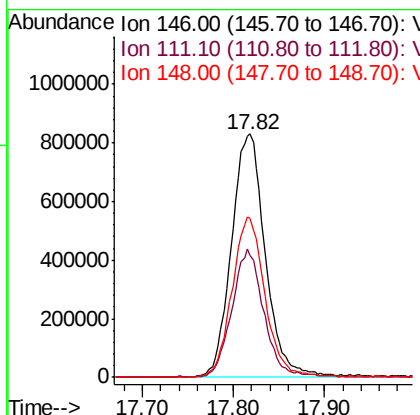
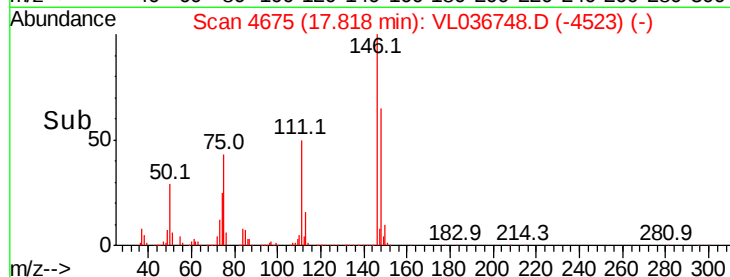
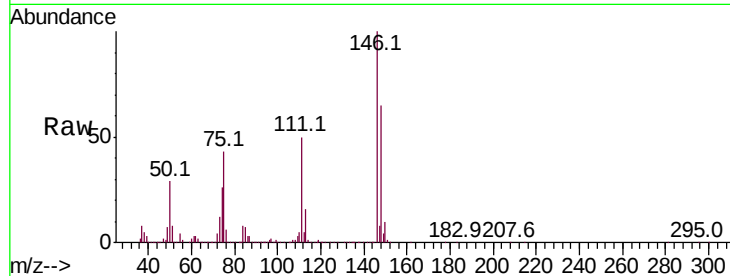
#77
 1,2-Dichlorobenzene
 Concen: 10.077 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. -0.01 min
 Lab File: VL036748.D
 Acq: 8 Apr 2021 12:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0408ABS01

Tot Ion:146 Resp: 2132230
 Ion Ratio Lower Upper
 146 100
 111 50.1 25.5 76.5
 148 64.3 32.9 98.6

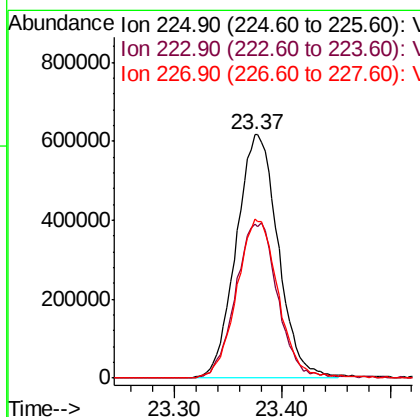
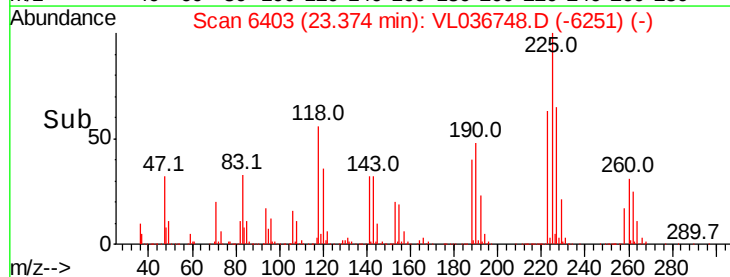
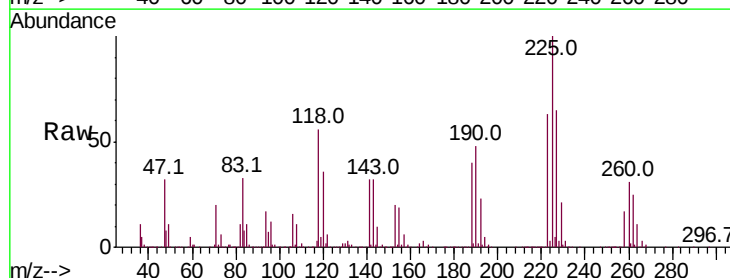
Manual Integrations
 APPROVED

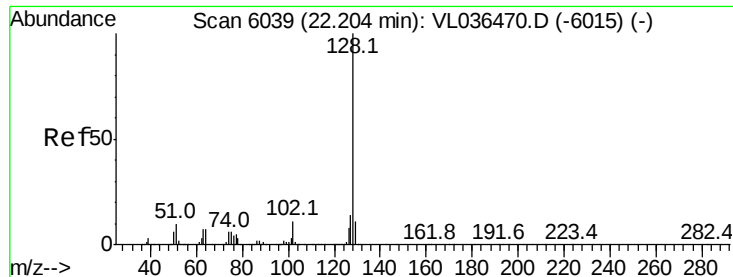
MMDadoda
 4/12/2021 11:46:31 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.776 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. -0.01 min
 Lab File: VL036748.D
 Acq: 8 Apr 2021 12:47

Tgt Ion:225 Resp: 1662922
 Ion Ratio Lower Upper
 225 100
 223 64.6 50.6 75.8
 227 65.3 52.2 78.2





#79

Naphthalene

Concen: 11.008 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. -0.01 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Instrument :

MSVOA_L

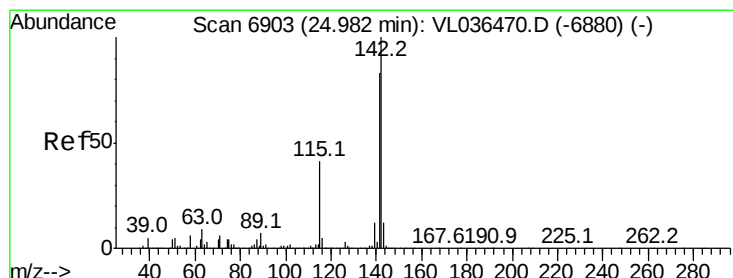
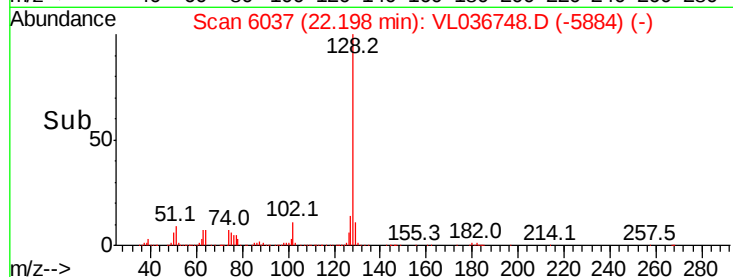
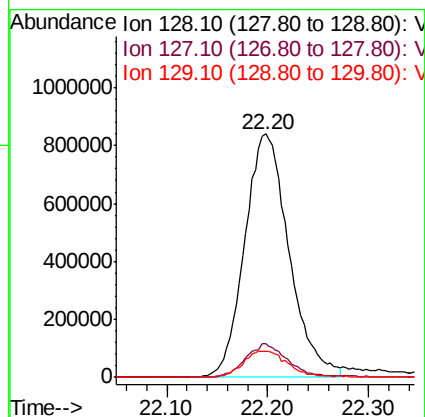
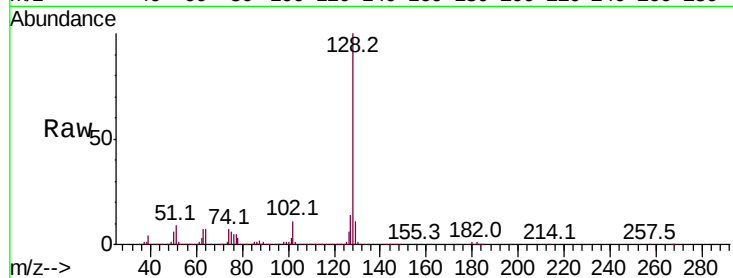
ClientSampleId :

VL0408ABS01

Tot Ion:	128	Resp:	2568751
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.9	16.3
129	10.9	9.0	13.4

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#80

Naphthalene, 2-methyl-

Concen: 7.938 ppbv

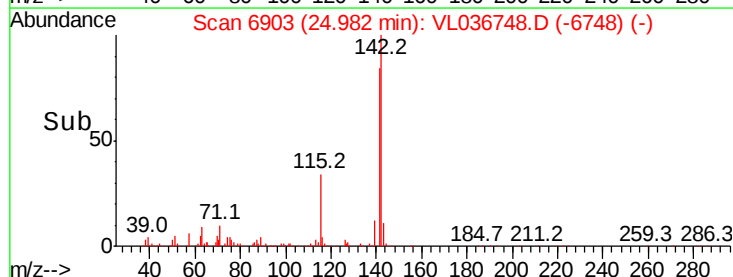
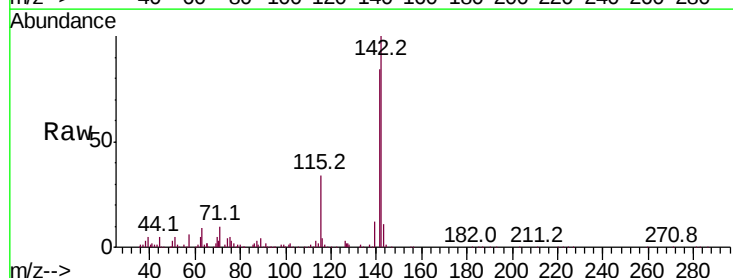
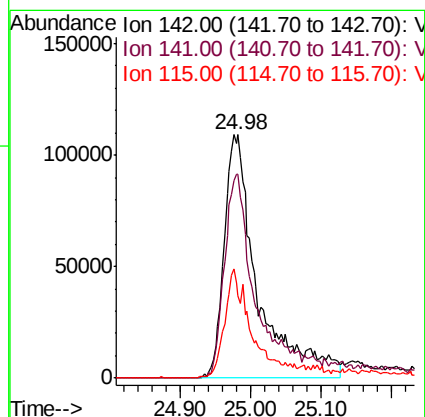
RT: 24.98 min Scan# 6903

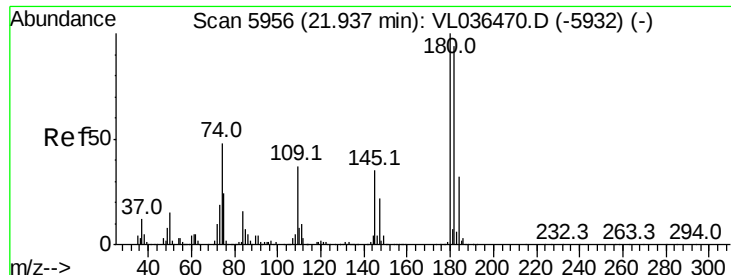
Delta R.T. -0.00 min

Lab File: VL036748.D

Acq: 8 Apr 2021 12:47

Tgt Ion:	142	Resp:	365255
Ion	Ratio	Lower	Upper
142	100		
141	85.2	67.8	101.8
115	37.2	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 10.910 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. -0.01 min
 Lab File: VL036748.D
 Acq: 8 Apr 2021 12:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0408ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.3	80.8	121.2
184	31.2	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:46:31 AM

