

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037297.D
 Acq On : 31 Jul 2021 00:36
 Operator : SY/AP
 Sample : VL0730ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:58:00 AM

Quant Time: Jul 31 01:44:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 31 2021
 QLast Update : Fri Jul 30 23:19:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1185782	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.18	114	3751711	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3530851m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2720699	10.59	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1127522	6.607	ppbv	98
3) Chlorodifluoromethane	2.98	51	2168747	9.127	ppbv	99
4) Chloromethane	3.13	50	771702	9.313	ppbv	100
5) Vinyl Chloride	3.25	62	853501	9.533	ppbv	99
6) Bromomethane	3.47	94	515188	10.147	ppbv	98
7) Chloroethane	3.55	64	302315	9.581	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1745609	8.602	ppbv	99
9) Propene	3.00	41	722855	9.043	ppbv	100
10) Heptane	8.12	43	1876252	9.861	ppbv	99
11) Trichlorofluoromethane	3.94	101	2073727	9.782	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1525736	9.675	ppbv	99
13) Ethanol	3.60	45	121807m	6.933	ppbv	
14) Bromoethene	3.73	108	665221	9.983	ppbv	98
15) Acetone	3.84	43	1125082	5.268	ppbv	99
16) 1,3-Butadiene	3.32	39	794205	9.913	ppbv	98
17) tert-Butyl alcohol	4.29	59	1305795	9.615	ppbv	99
18) 1,1-Dichloroethene	4.28	96	705111	10.174	ppbv	95
19) Isopropyl Alcohol	3.96	45	793095	9.598	ppbv	100
20) Methylene Chloride	4.34	84	721864	8.734	ppbv	94
21) Allyl Chloride	4.41	41	950456	9.995	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	701523	10.605	ppbv	99
23) Vinyl Acetate	5.07	43	1942043	10.776	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1395208	9.971	ppbv	98
25) Ethyl Acetate	5.67	43	3031725	9.783	ppbv	99
26) Hexane	5.68	57	1552810	9.376	ppbv	98
27) Carbon Disulfide	4.55	76	1551682	11.374	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1492293	9.328	ppbv	100
29) Chloroform	5.75	83	2282881	9.619	ppbv	99
30) Cyclohexane	7.13	84	1286013	9.930	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1402986	9.996	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2314780	9.809	ppbv	99
34) 2-Butanone	5.24	43	1377371	8.556	ppbv	100
35) Carbon Tetrachloride	7.01	117	2462397	10.357	ppbv	100
36) Benzene	6.89	78	3022815	9.517	ppbv	97
37) 1,2-Dichloroethane	6.30	62	1647600	9.957	ppbv	99
38) Trichloroethene	7.83	130	1302094	9.084	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1124083	9.410	ppbv	98
40) 1,4-Dioxane	7.84	88	271393	7.887	ppbv	# 1
41) Tetrahydrofuran	6.05	42	686710	10.616	ppbv	98
42) Bromodichloromethane	7.79	83	2431658	10.534	ppbv	98
43) Methyl Methacrylate	8.01	69	1098499	10.404	ppbv	100

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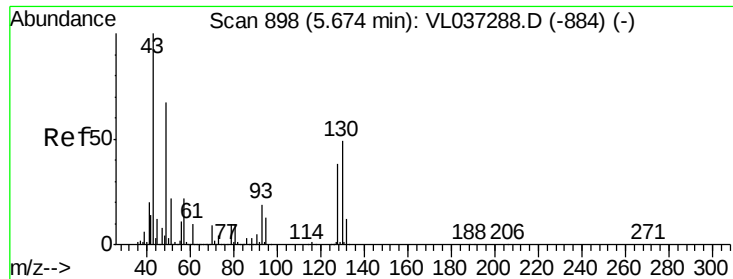
MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	4953802	9.540	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1052872	11.900	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1340167	11.231	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1313350	9.801	ppbv	98
48) Dibromochloromethane	10.30	129	2253960	10.987	ppbv	99
49) Bromoform	13.04	173	1865262	11.704	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1987092	9.748	ppbv	100
51) 2-Hexanone	10.14	43	958262	10.181	ppbv #	100
52) Tetrachloroethene	11.22	164	1305783	9.326	ppbv	98
53) Toluene	9.81	91	3700508	9.910	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1950475	10.295	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	1560236	10.095	ppbv	96
57) Chlorobenzene	12.15	112	2891387	9.789	ppbv	100
58) Ethyl Benzene	12.71	91	4882538	10.058	ppbv	100
59) m/p-Xylene	13.00	91	8281220m	19.816	ppbv	
60) o-Xylene	13.69	91	3976794	9.958	ppbv	100
61) Styrene	13.53	104	2214661	10.849	ppbv	98
62) Isopropylbenzene	14.67	105	5545867	9.831	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2692847	9.560	ppbv	99
64) n-propylbenzene	15.56	120	1465189	10.017	ppbv	93
65) tert-Butylbenzene	16.75	119	5092179	9.753	ppbv	100
66) Benzyl Chloride	16.99	91	301306	11.744	ppbv	98
67) sec-Butylbenzene	17.30	105	6850776	9.924	ppbv	100
69) p-Isopropyltoluene	17.66	119	5939420	10.050	ppbv	100
70) n-Butylbenzene	18.55	91	5584795	10.014	ppbv	100
71) 2-Chlorotoluene	15.46	91	3962211	9.855	ppbv	99
72) 4-Ethyltoluene	15.84	105	4688109	9.913	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	4313634	9.876	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4644495	9.645	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	2932766	10.129	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2892483	9.676	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2807994	10.102	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1875333	8.994	ppbv	99
79) Naphthalene	22.20	128	3538082	9.382	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	813470	7.501	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	2129445	9.356	ppbv	97

(#) = 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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ClientSampleId :

VL0730ABS01

Tot Ion: 49 Resp: 1185782

Ion Ratio Lower Upper

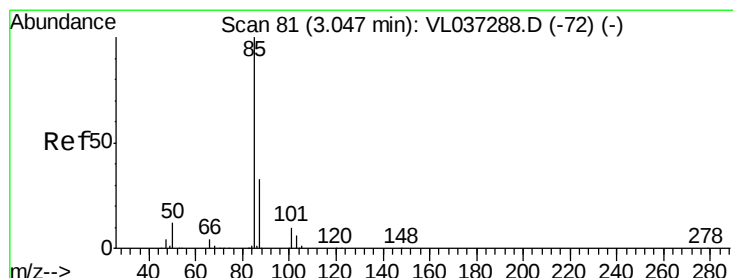
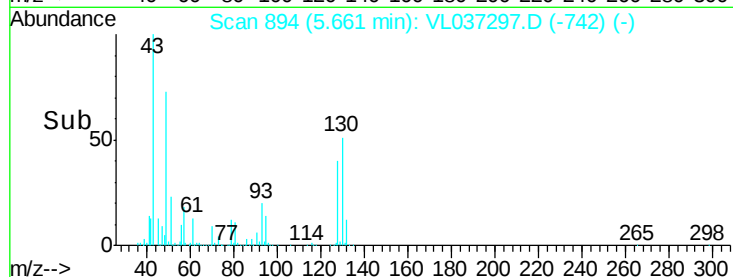
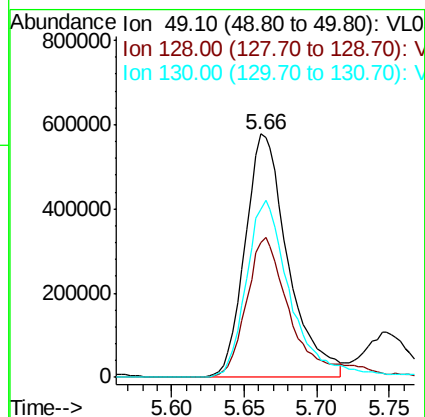
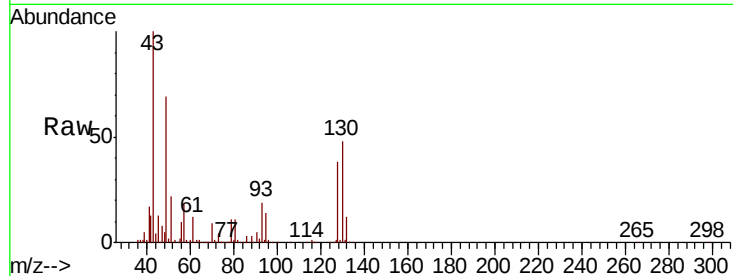
49 100

128 62.2 30.6 92.0

130 77.4 37.8 113.4

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#2

Dichlorodifluoromethane

Concen: 6.607 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL037297.D

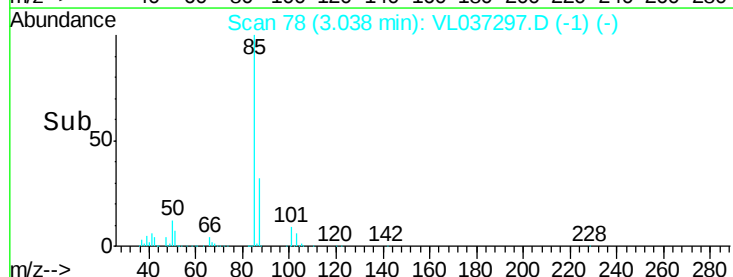
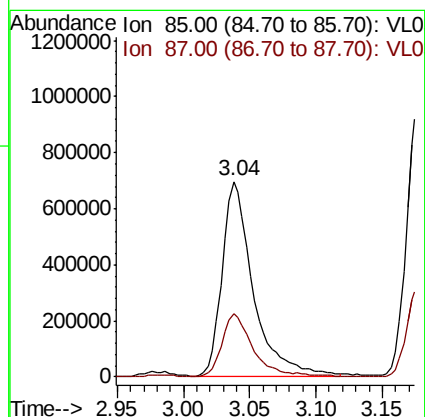
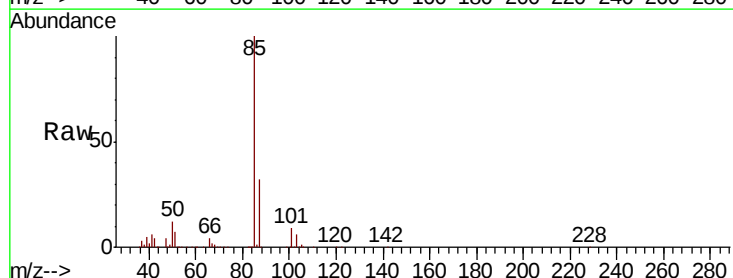
Acq: 31 Jul 2021 00:36

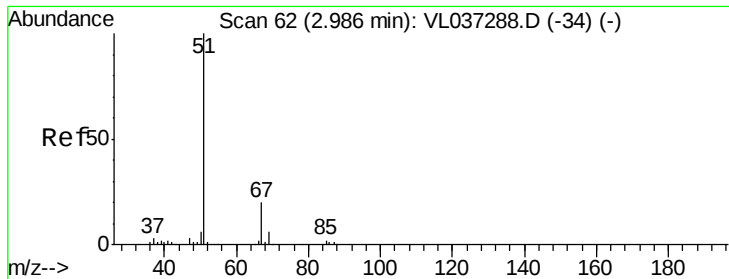
Tgt Ion: 85 Resp: 1127522

Ion Ratio Lower Upper

85 100

87 32.4 26.6 40.0





#3

Chlorodifluoromethane

Concen: 9.127 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

Tot Ion: 51 Resp: 2168747

Ion Ratio Lower Upper

51 100

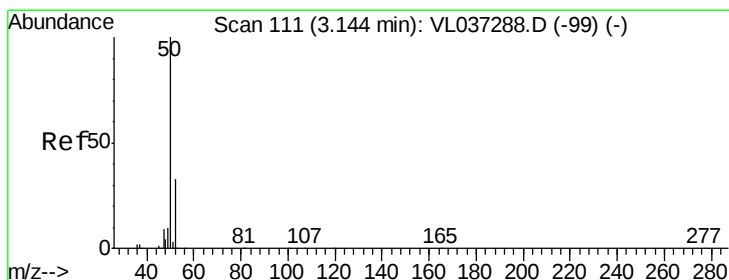
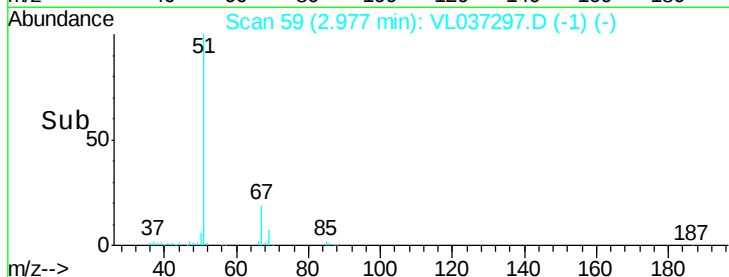
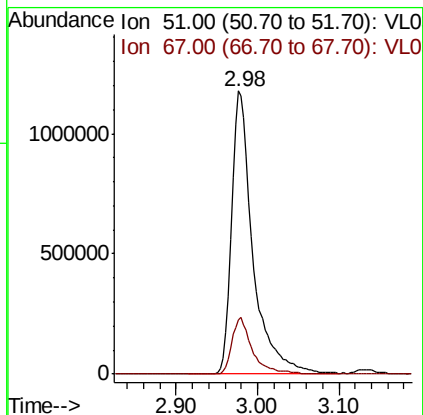
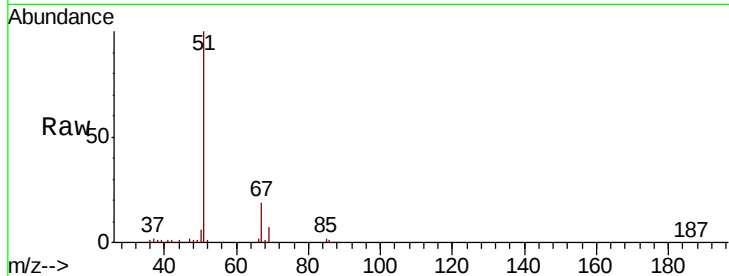
67 19.5 15.2 22.8

Manual Integrations

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#4

Chloromethane

Concen: 9.313 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL037297.D

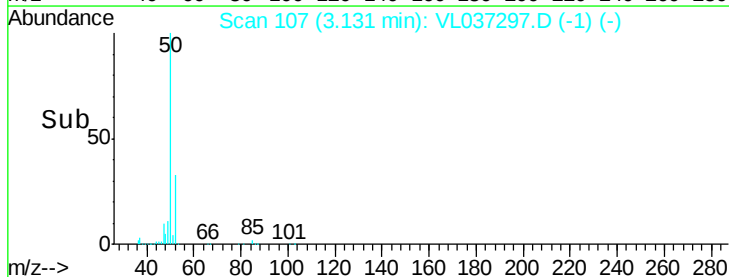
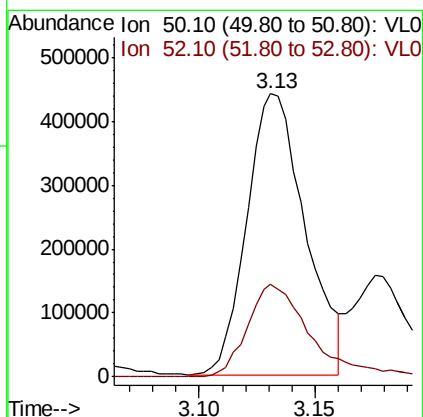
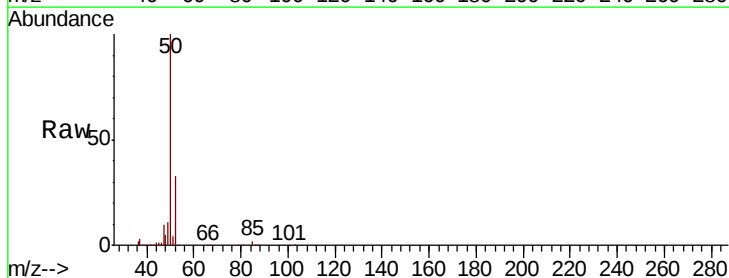
Acq: 31 Jul 2021 00:36

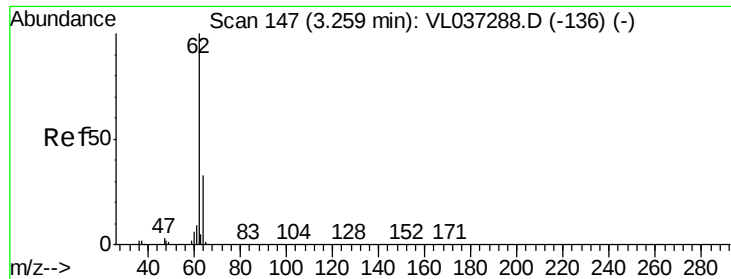
Tgt Ion: 50 Resp: 771702

Ion Ratio Lower Upper

50 100

52 32.9 26.2 39.4





#5

Vinyl Chloride

Concen: 9.533 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

Tot Ion: 62 Resp: 853501

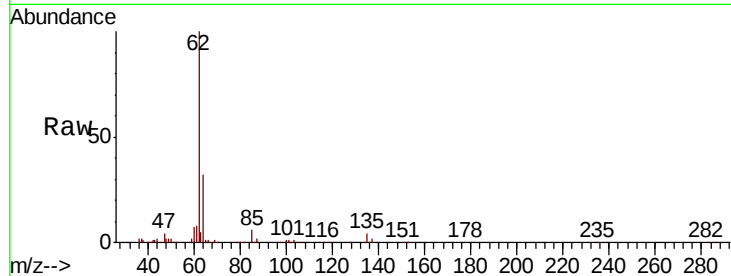
Ion Ratio Lower Upper

62 100

64 32.2 26.1 39.1

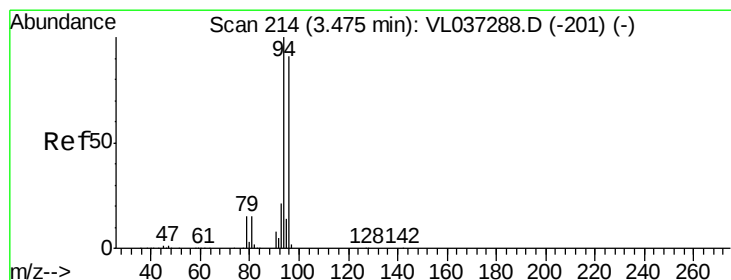
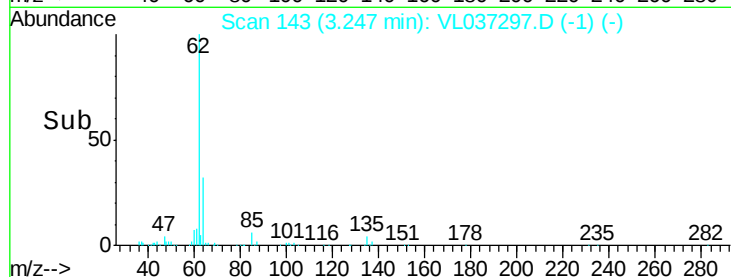
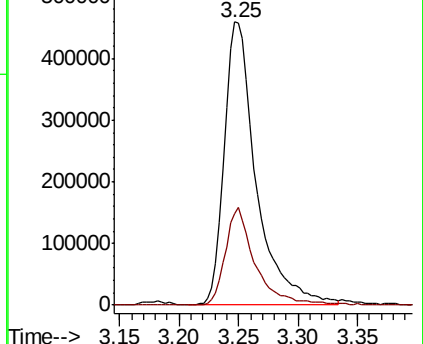
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.147 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL037297.D

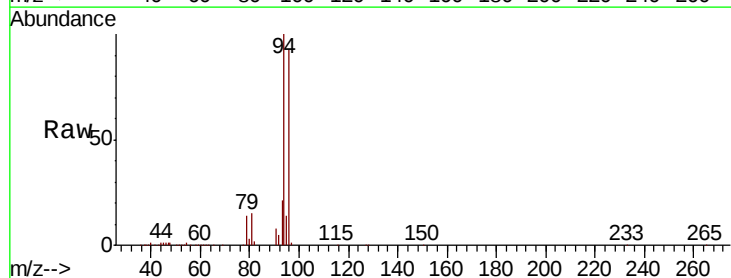
Acq: 31 Jul 2021 00:36

Tgt Ion: 94 Resp: 515188

Ion Ratio Lower Upper

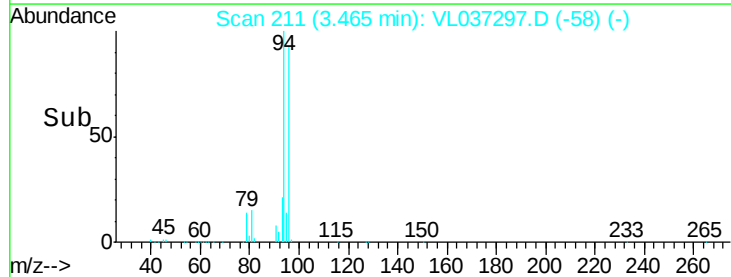
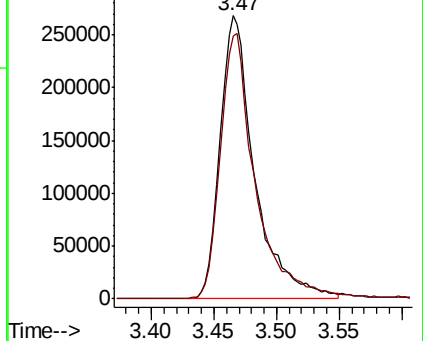
94 100

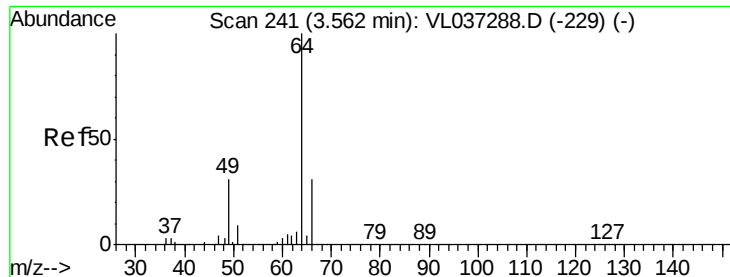
96 93.1 72.7 109.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.581 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

Tot Ion: 64 Resp: 302315

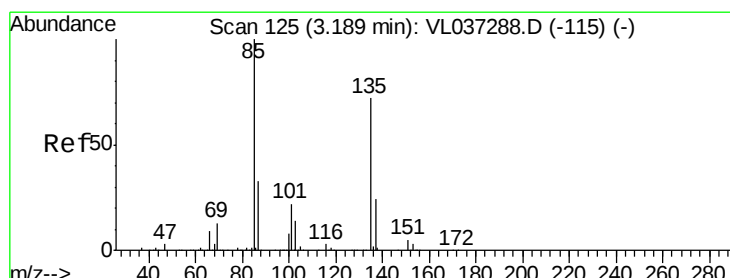
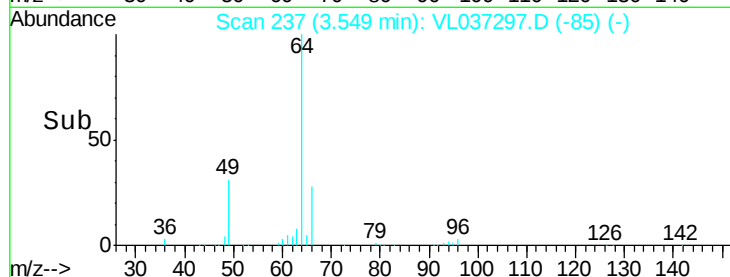
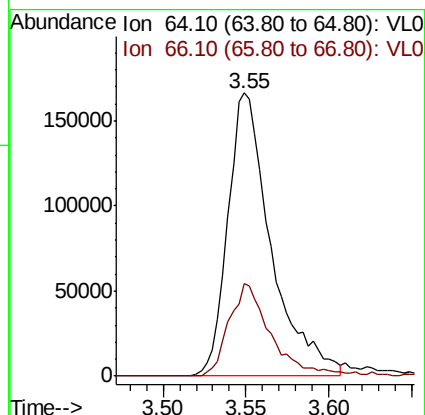
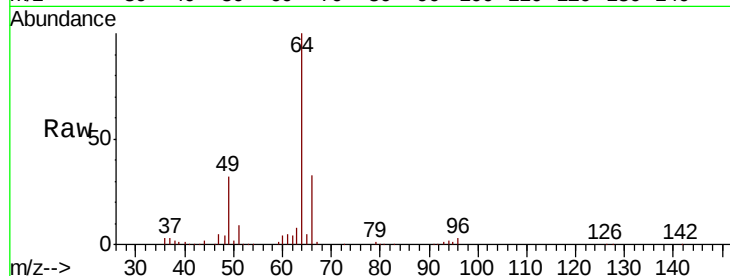
Ion Ratio Lower Upper

64 100

66 32.6 24.9 37.3

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 8.602 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL037297.D

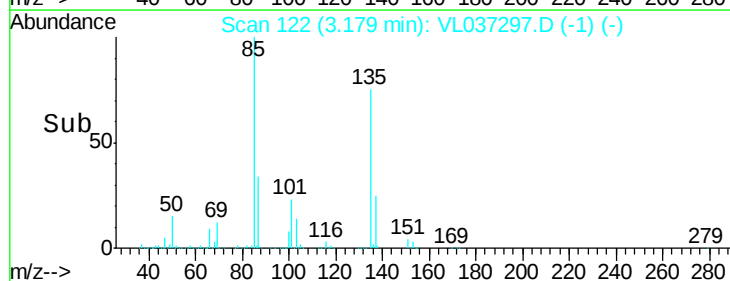
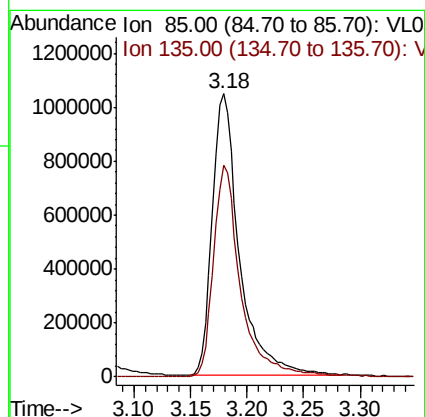
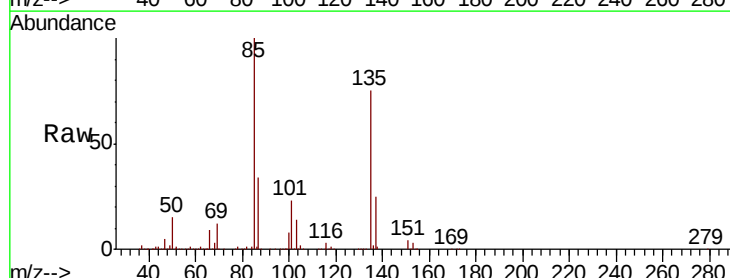
Acq: 31 Jul 2021 00:36

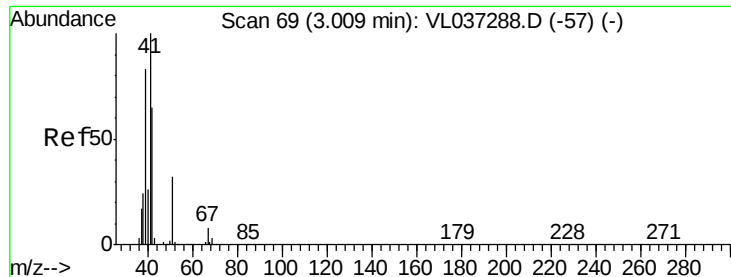
Tgt Ion: 85 Resp: 1745609

Ion Ratio Lower Upper

85 100

135 75.7 61.0 91.4





#9

Propene

Concen: 9.043 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

Tot Ion: 41 Resp: 722855

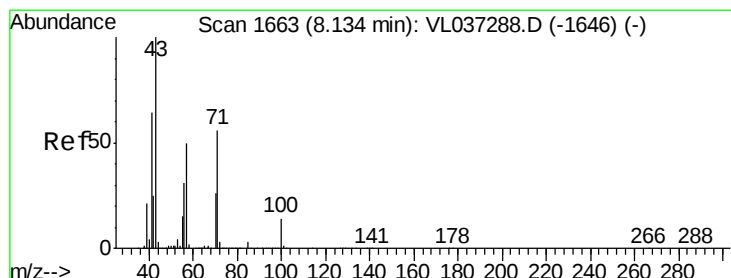
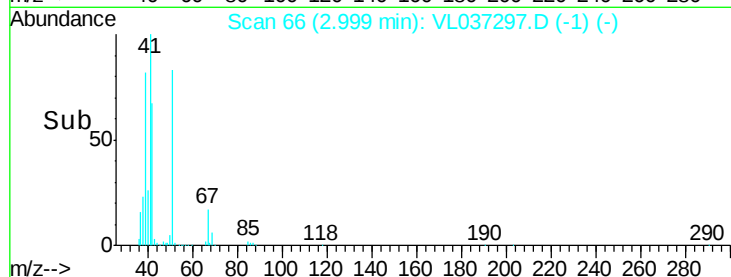
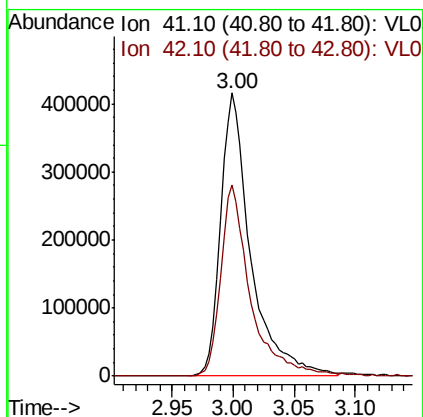
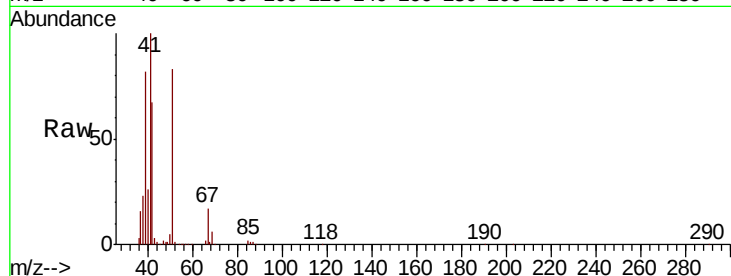
Ion Ratio Lower Upper

41 100

42 67.2 54.0 81.0

Manual Integrations
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#10

Heptane

Concen: 9.861 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL037297.D

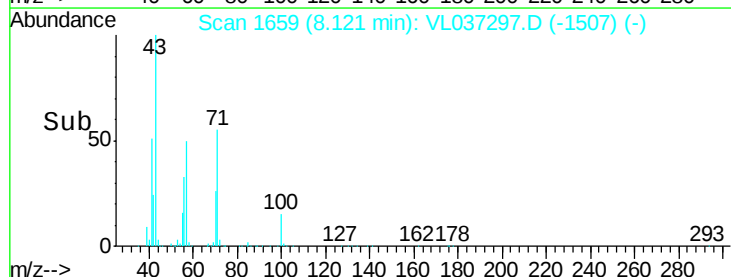
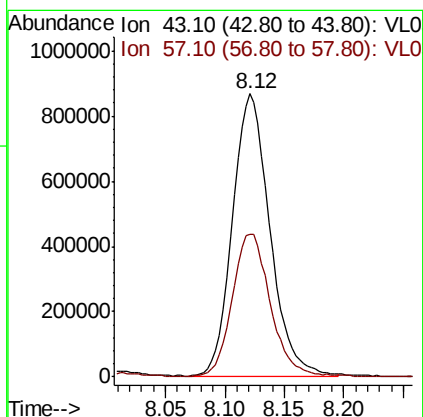
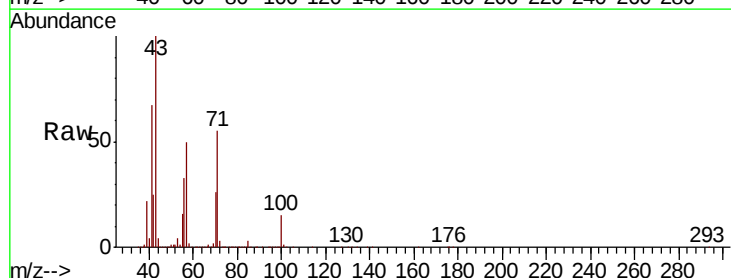
Acq: 31 Jul 2021 00:36

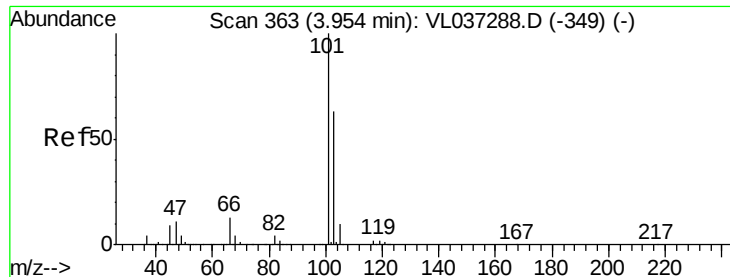
Tgt Ion: 43 Resp: 1876252

Ion Ratio Lower Upper

43 100

57 52.1 40.9 61.3





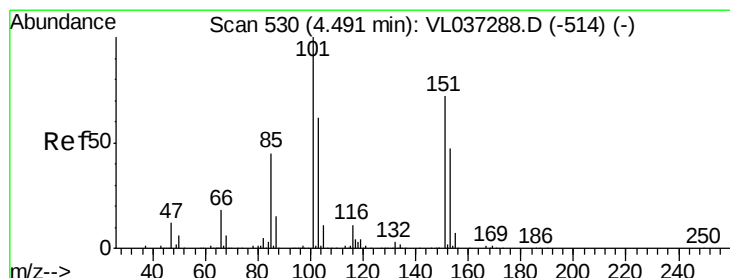
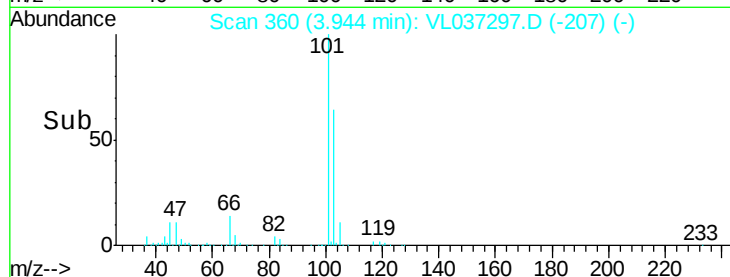
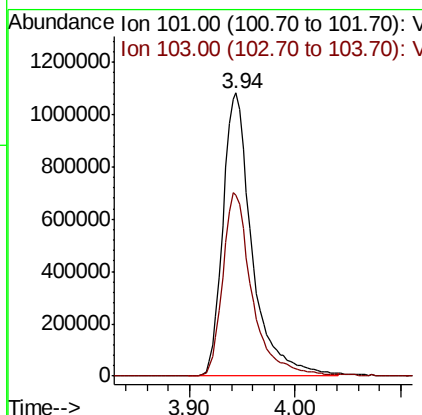
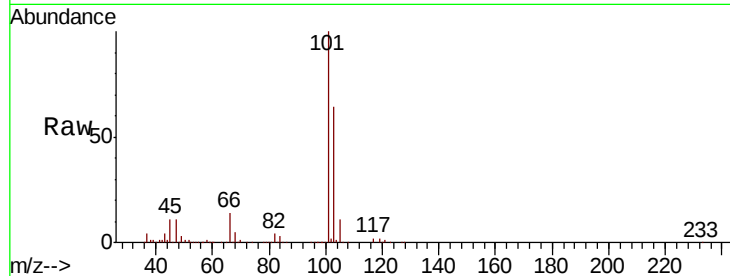
#11
 Trichlorofluoromethane
 Concen: 9.782 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

Tot Ion:101 Resp: 2073727
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.6 75.8

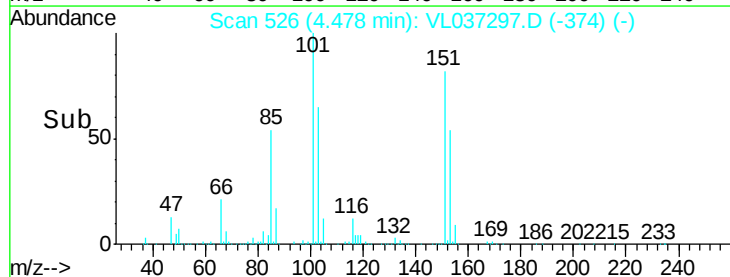
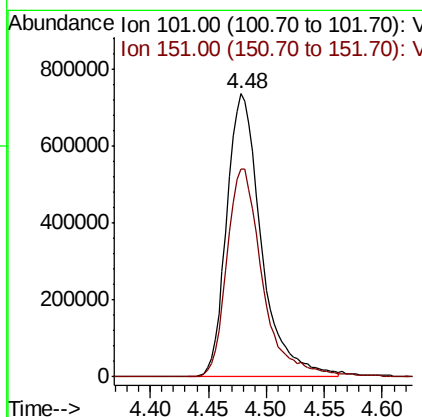
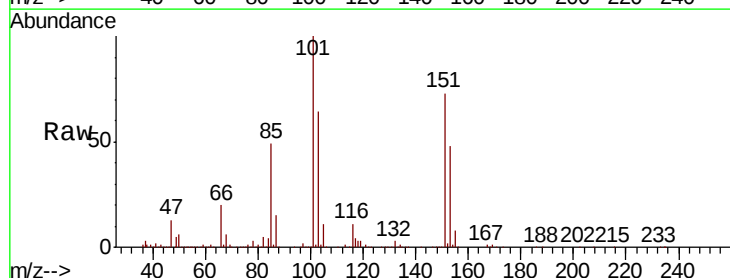
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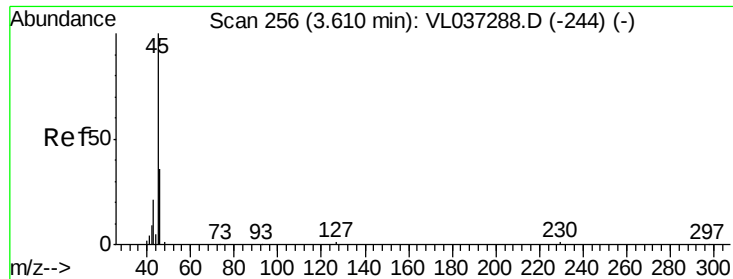
MMDadoda
 8/2/2021 8:58:00 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.675 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion:101 Resp: 1525736
 Ion Ratio Lower Upper
 101 100
 151 76.1 61.4 92.0





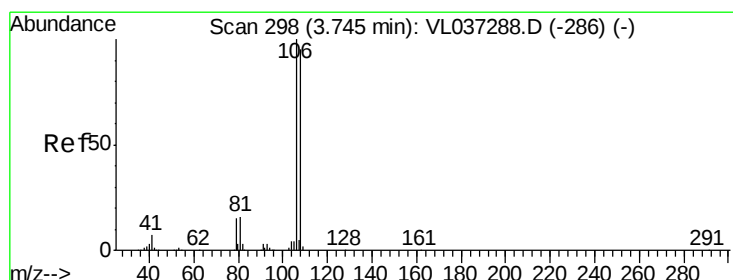
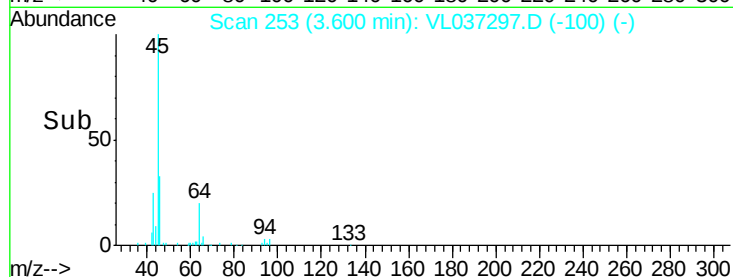
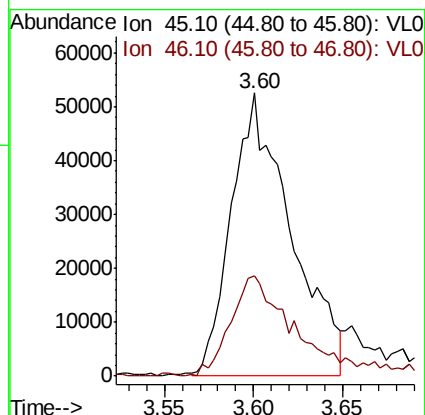
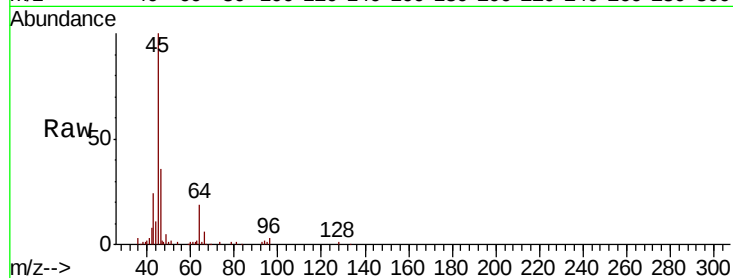
#13
Ethanol
Concen: 6.933 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

Tot Ion	45	Resp	121807
Ion Ratio	100	Lower	Upper
46	41.3	16.2	64.8

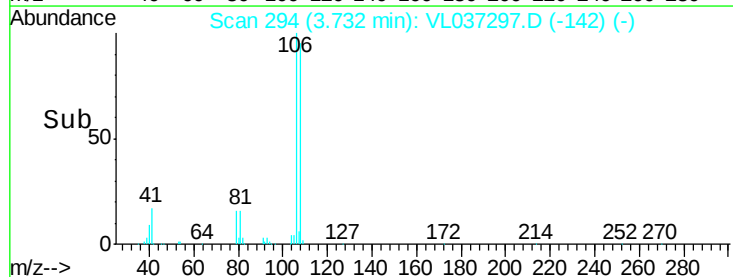
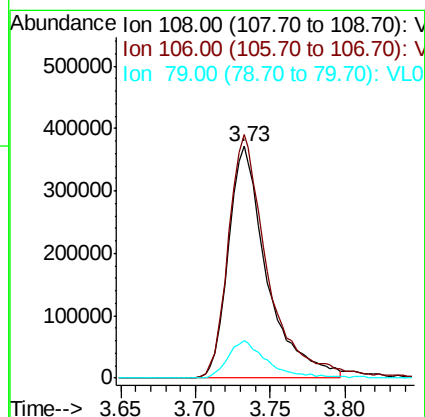
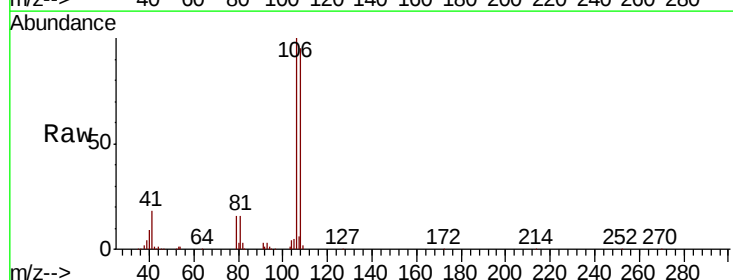
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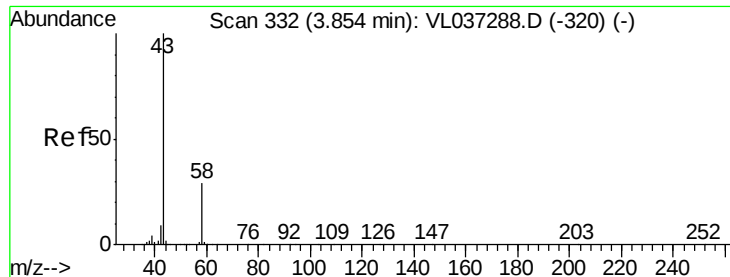
MMDadoda
8/2/2021 8:58:00 AM



#14
Bromoethene
Concen: 9.983 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion	108	Resp	665221
Ion Ratio	100	Lower	Upper
106	109.6	86.2	129.2
79	17.3	13.3	19.9





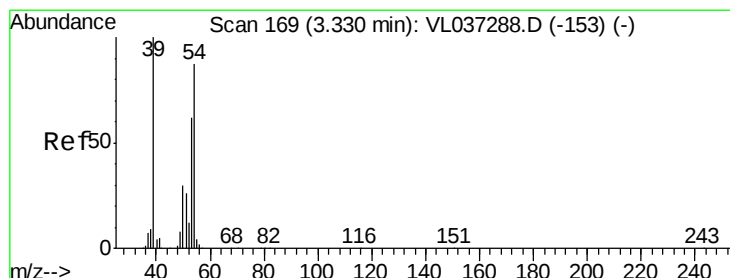
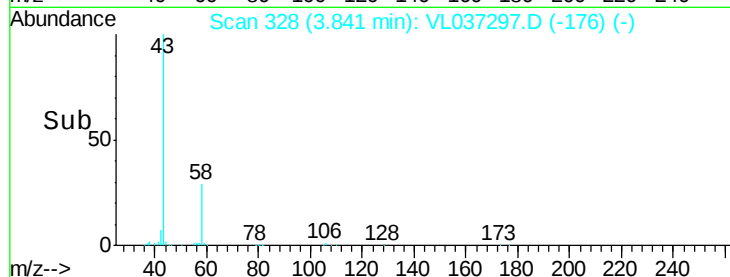
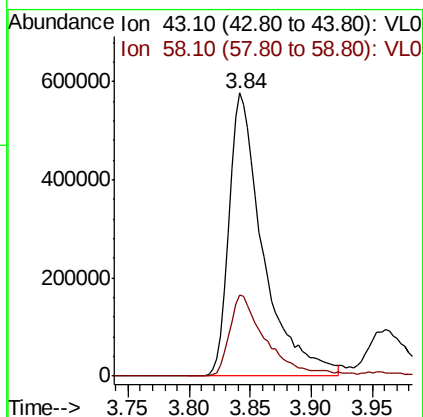
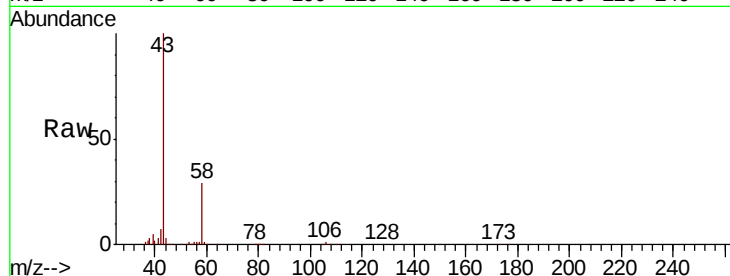
#15
Acetone
Concen: 5.268 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

Tot Ion: 43 Resp: 1125082
Ion Ratio Lower Upper
43 100
58 30.6 24.2 36.4

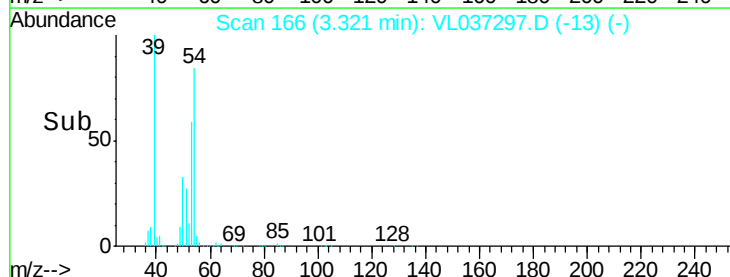
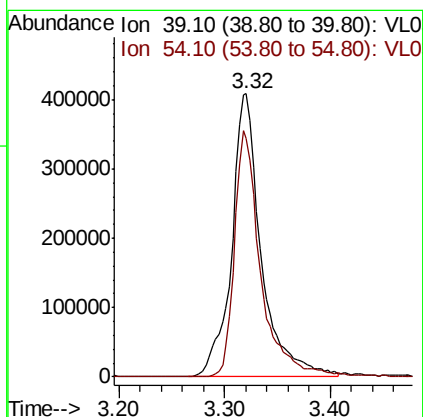
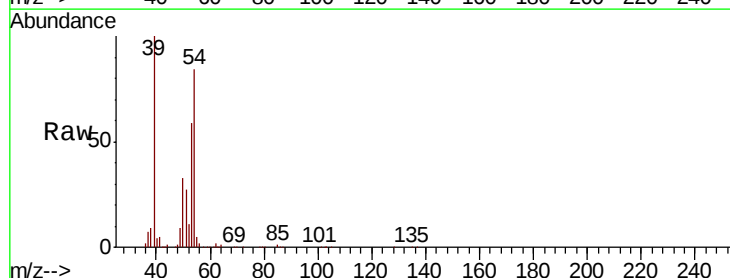
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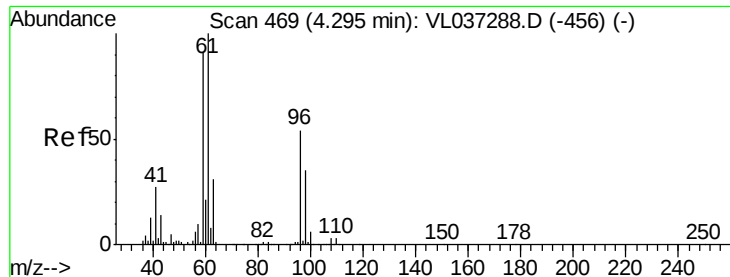
MMDadoda
8/2/2021 8:58:00 AM



#16
1,3-Butadiene
Concen: 9.913 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion: 39 Resp: 794205
Ion Ratio Lower Upper
39 100
54 78.2 63.9 95.9





#17

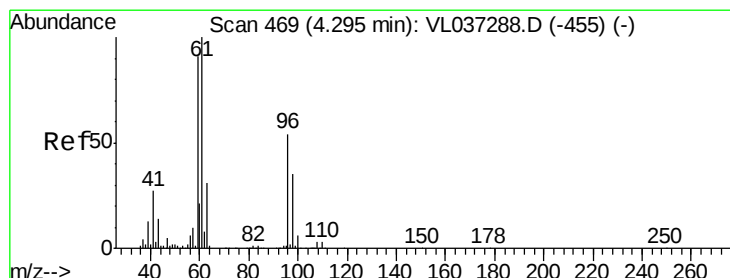
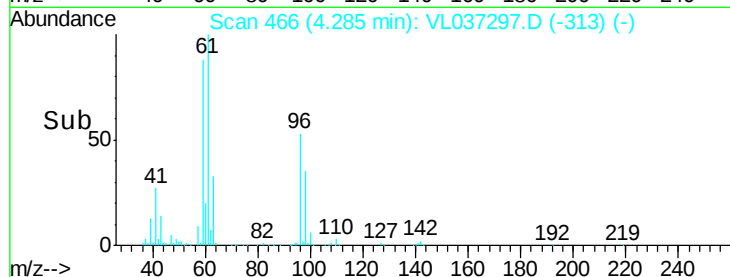
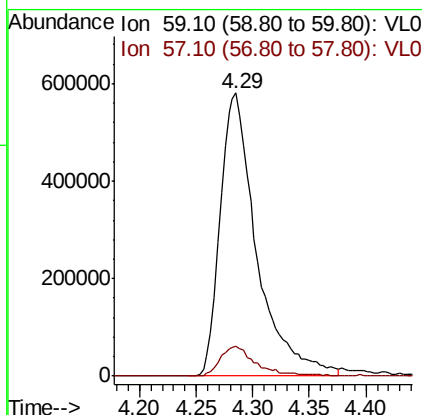
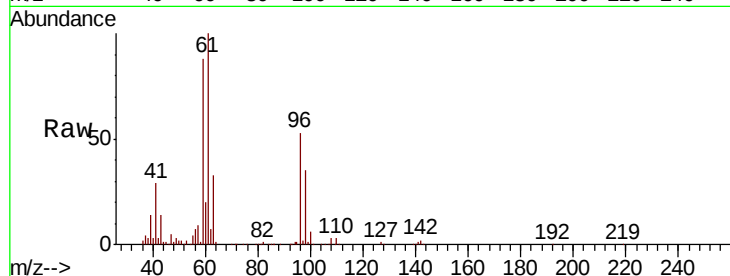
tert-Butyl alcohol
Concen: 9.615 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

Tot Ion: 59 Resp: 1305795
Ion Ratio Lower Upper
59 100
57 10.5 8.6 13.0

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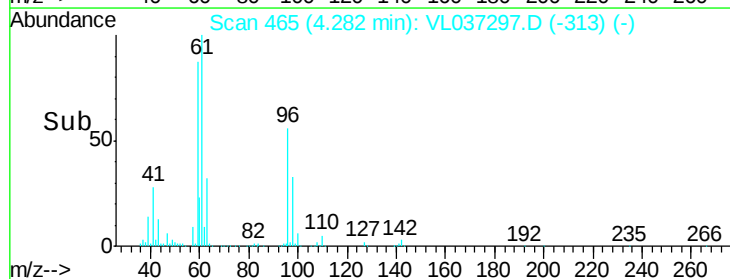
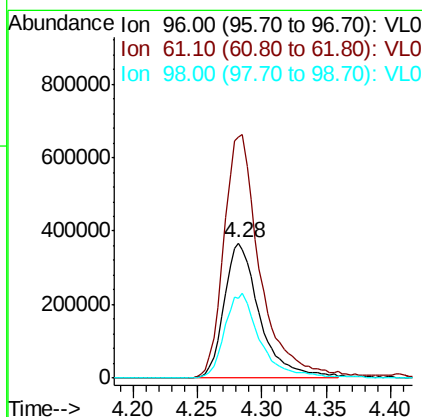
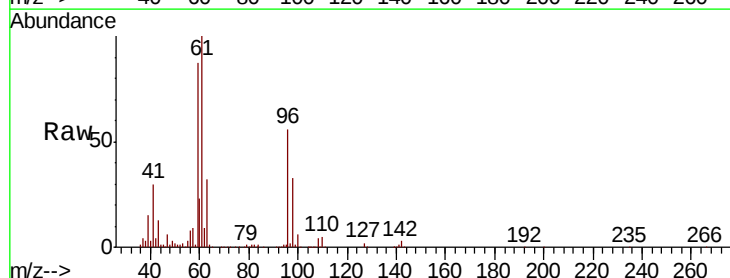
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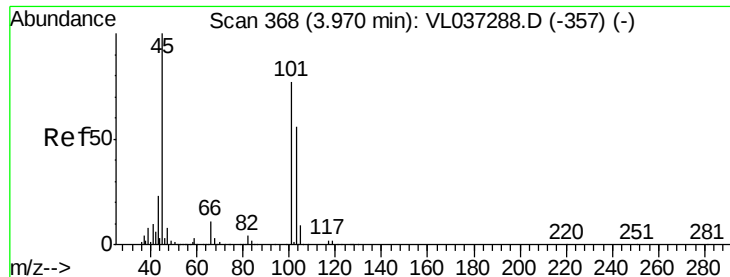


#18

1,1-Dichloroethene
Concen: 10.174 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion: 96 Resp: 705111
Ion Ratio Lower Upper
96 100
61 178.0 148.3 222.5
98 59.5 51.4 77.0





#19

Isopropyl Alcohol

Concen: 9.598 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Tot Ion: 45 Resp: 793095

Ion Ratio Lower Upper

45 100

58 2.7 2.2 3.2

Instrument :

MSVOA_L

ClientSampleId :

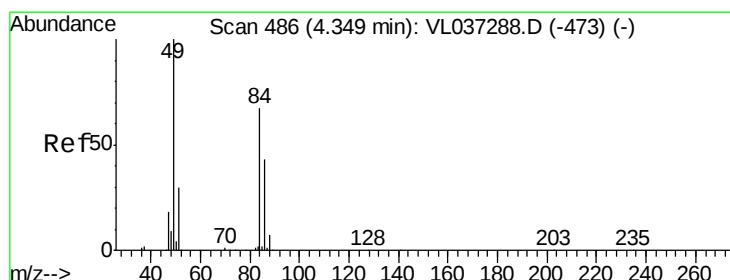
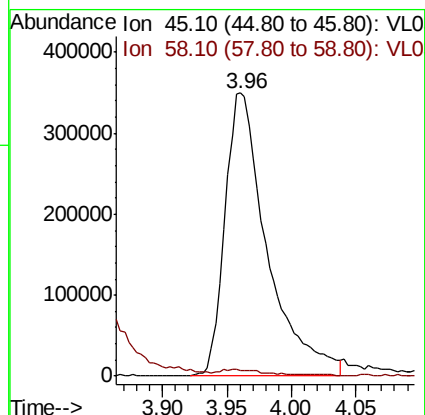
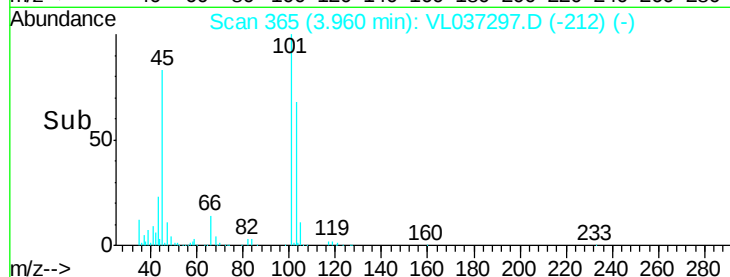
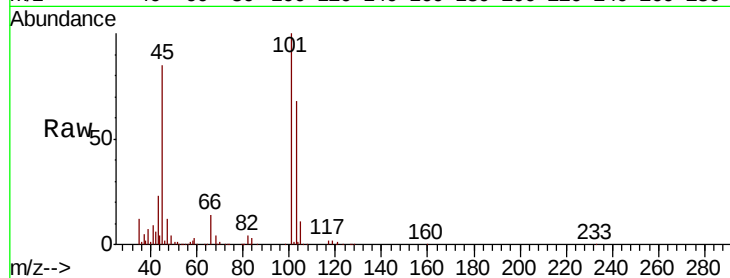
VL0730ABS01

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#20

Methylene Chloride

Concen: 8.734 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Tgt Ion: 84 Resp: 721864

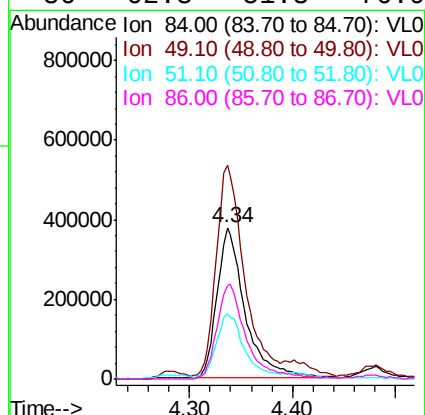
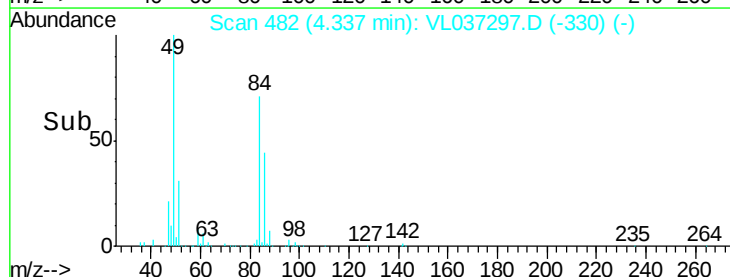
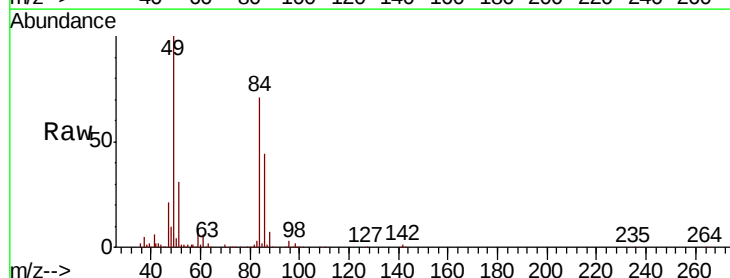
Ion Ratio Lower Upper

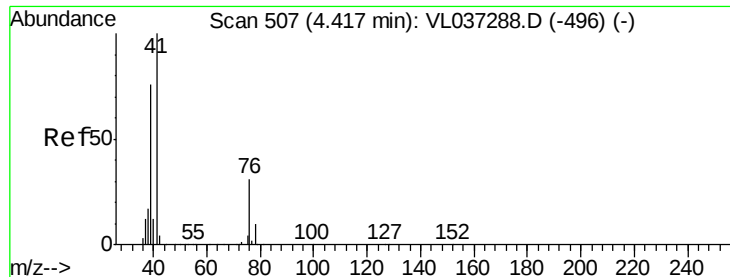
84 100

49 140.5 120.2 180.4

51 42.8 36.5 54.7

86 62.3 51.3 76.9





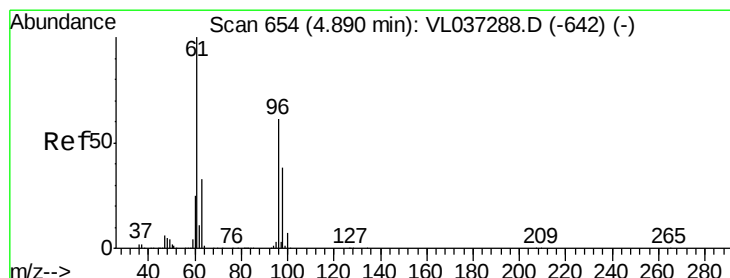
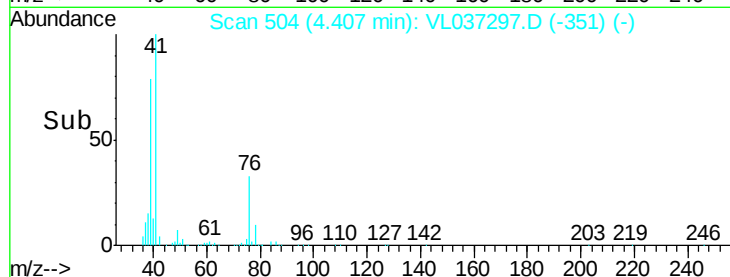
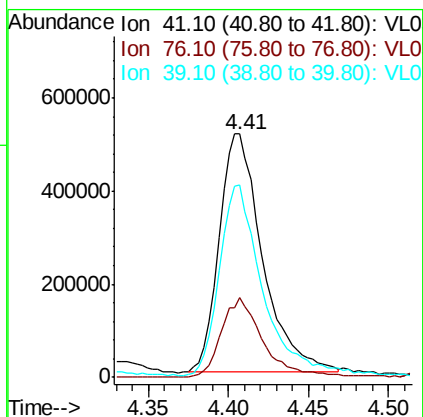
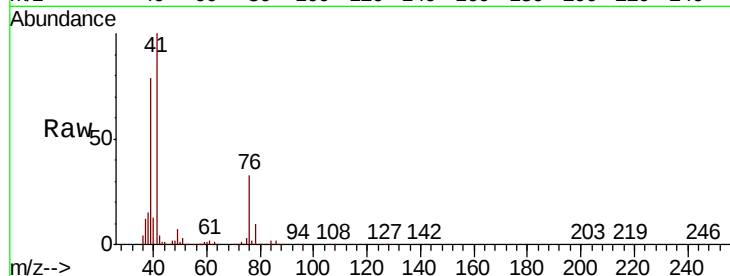
#21
Allvl Chloride
Concen: 9.995 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.3	24.7	37.1
39	81.8	64.5	96.7

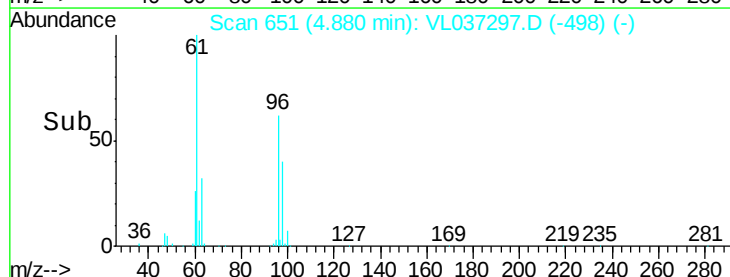
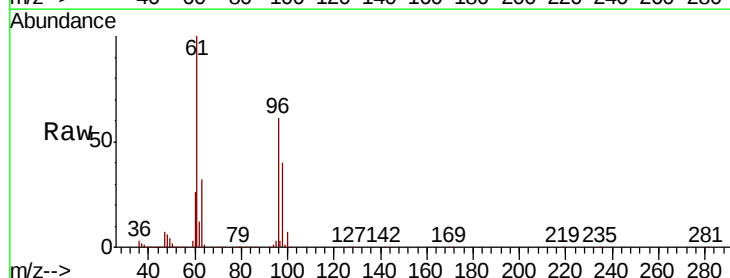
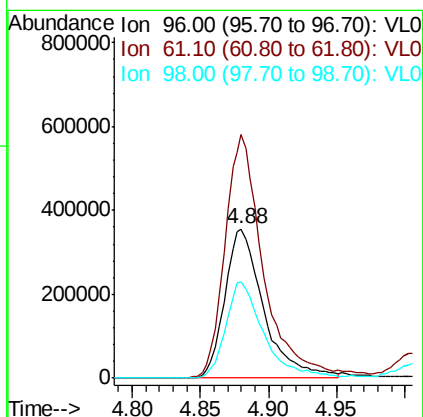
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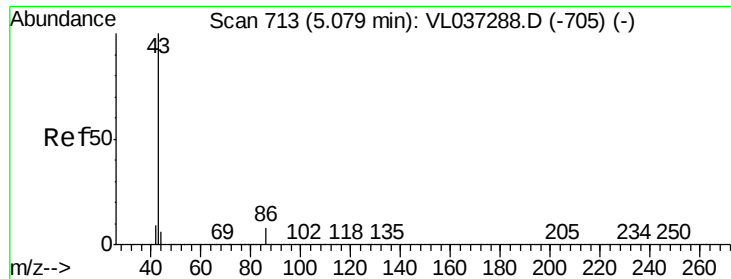
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#22
trans-1,2-Dichloroethene
Concen: 10.605 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.8	131.1	196.7
98	64.5	49.9	74.9





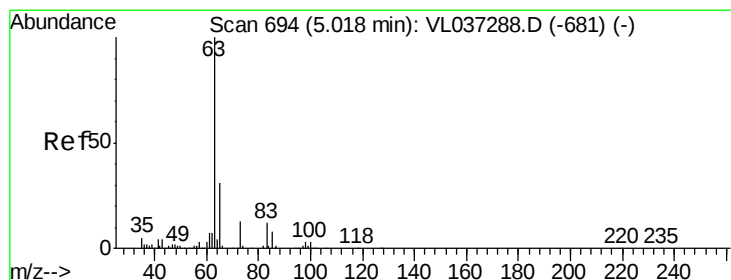
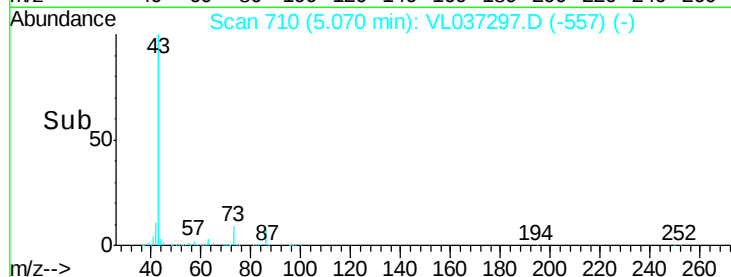
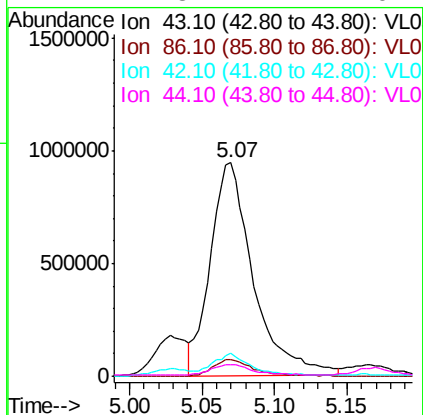
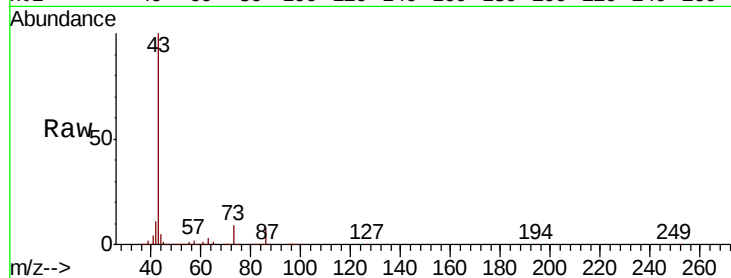
#23
 Vinyl Acetate
 Concen: 10.776 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

Tot Ion	43	Resp	1942043
Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.7	8.5
42	10.7	8.1	12.1
44	4.8	4.1	6.1

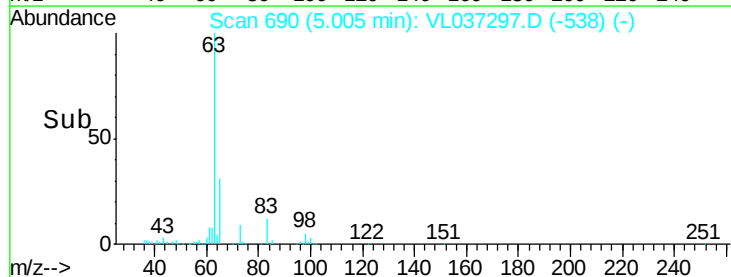
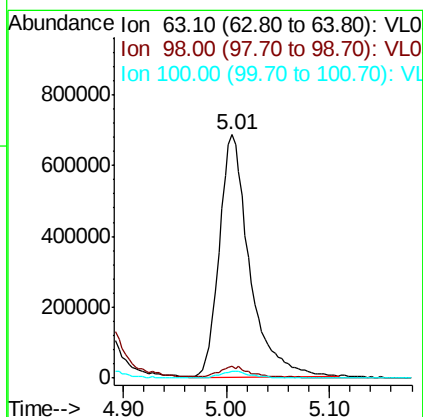
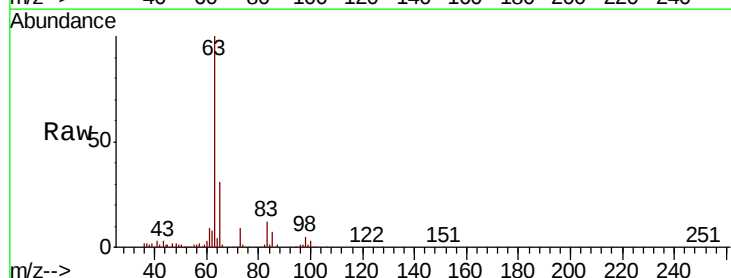
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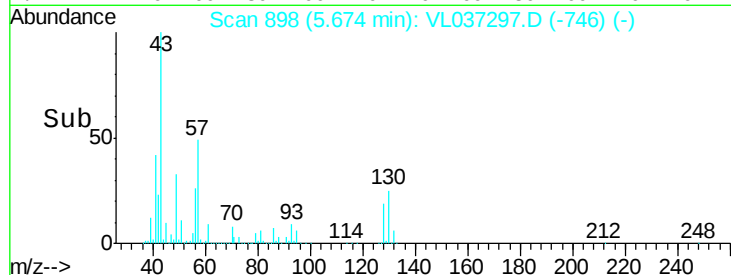
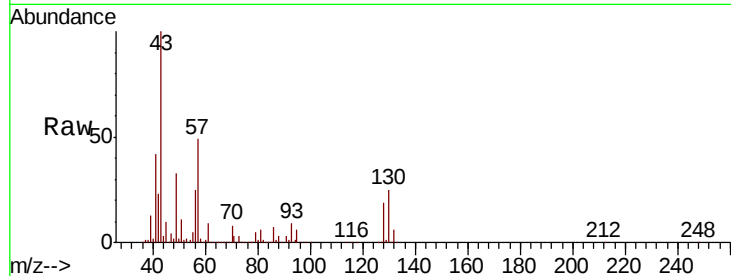
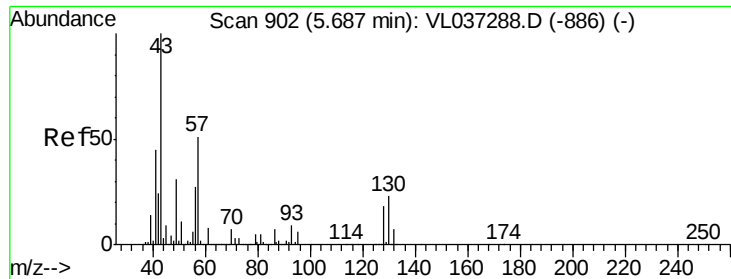
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#24
 1,1-Dichloroethane
 Concen: 9.971 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

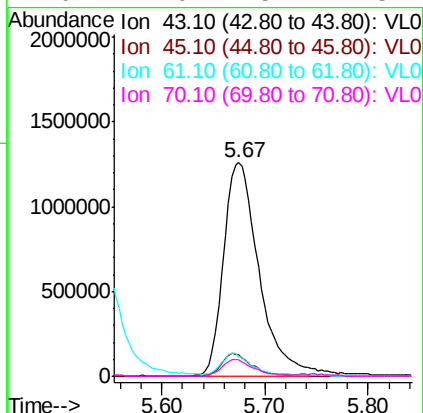
Tgt Ion	63	Resp	1395208
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.0	5.8
100	2.6	1.4	4.2





#25
Ethyl Acetate
Concen: 9.783 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

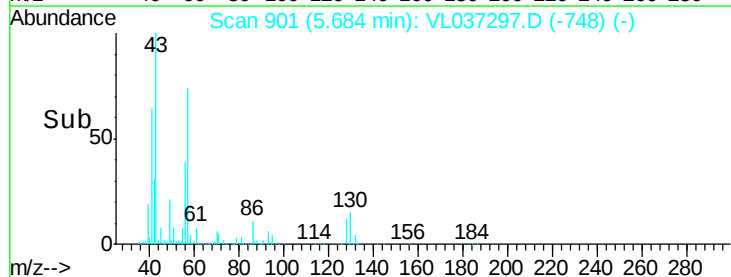
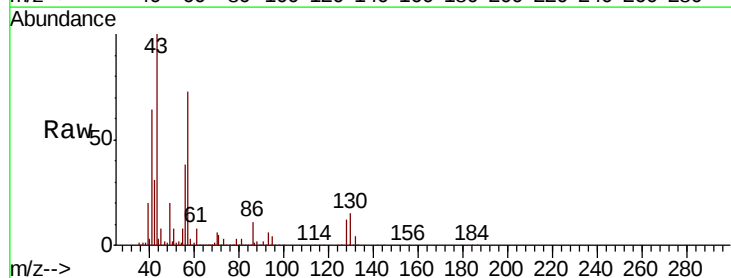
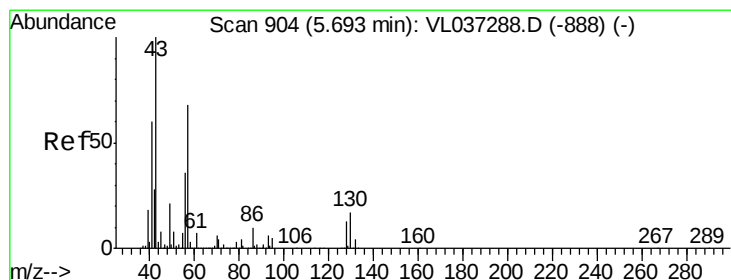
Tot Ion	43	Ratio	Lower	Upper
43	100			
45	9.6	7.4	11.2	
61	9.3	7.8	11.6	
70	7.0	5.4	8.2	



Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

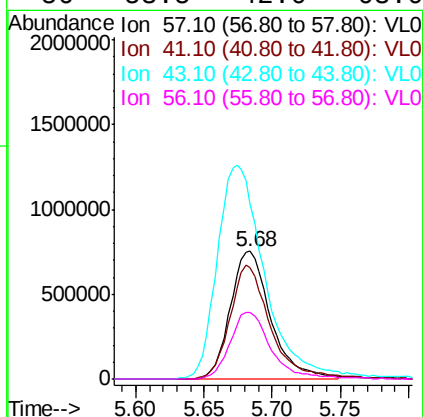
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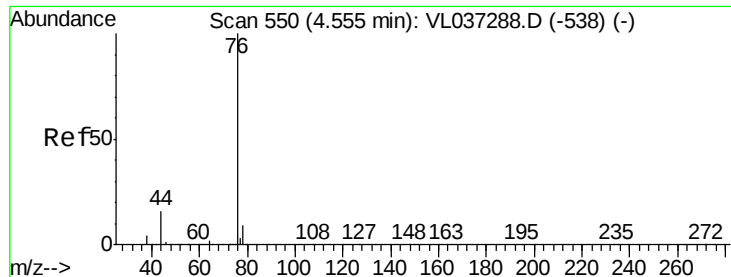
MMDadoda
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#26
Hexane
Concen: 9.376 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion	57	Ratio	Lower	Upper
57	100			
41	89.5	71.0	106.6	
43	198.3	155.0	232.4	
56	53.5	42.0	63.0	





#27

Carbon Disulfide

Concen: 11.374 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

Tot Ion: 76 Resp: 1551682

Ion Ratio Lower Upper

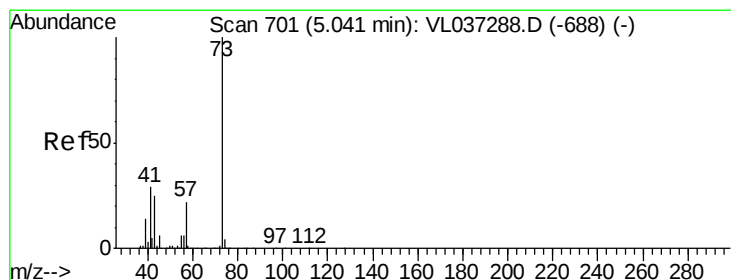
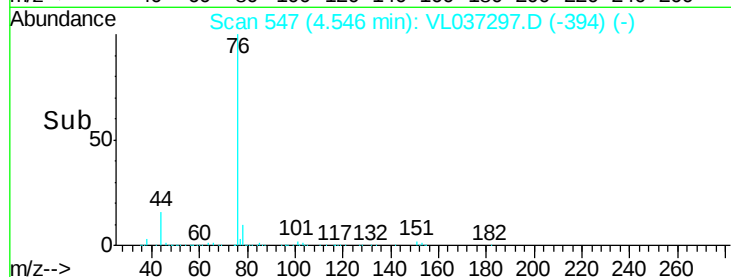
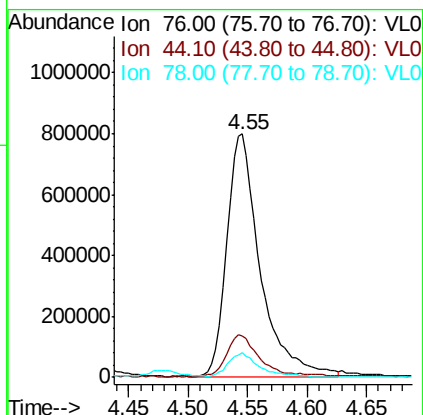
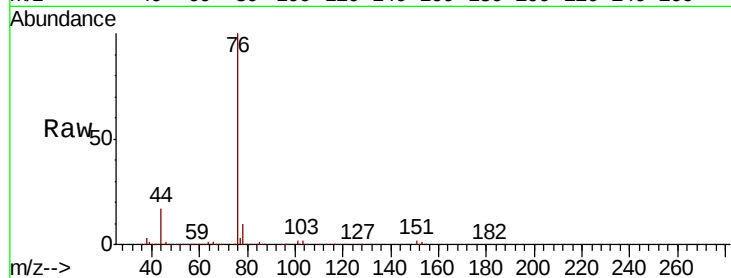
76 100

44 18.0 14.1 21.1

78 10.1 8.0 12.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 9.328 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL037297.D

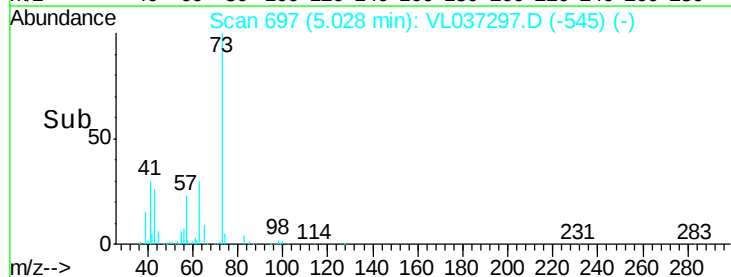
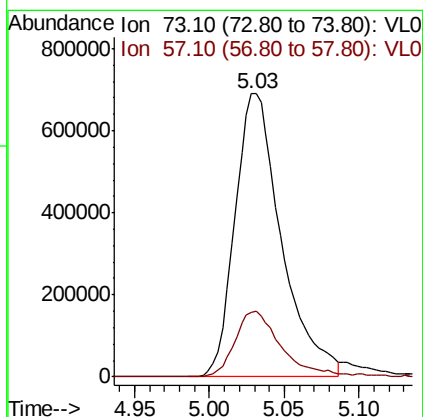
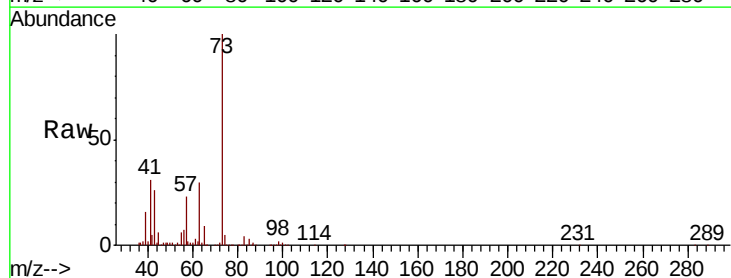
Acq: 31 Jul 2021 00:36

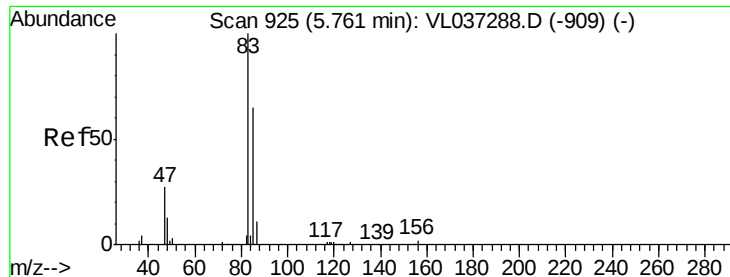
Tgt Ion: 73 Resp: 1492293

Ion Ratio Lower Upper

73 100

57 23.6 19.0 28.6





#29

Chloroform

Concen: 9.619 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

Tot Ion: 83 Resp: 2282881

Ion Ratio Lower Upper

83 100

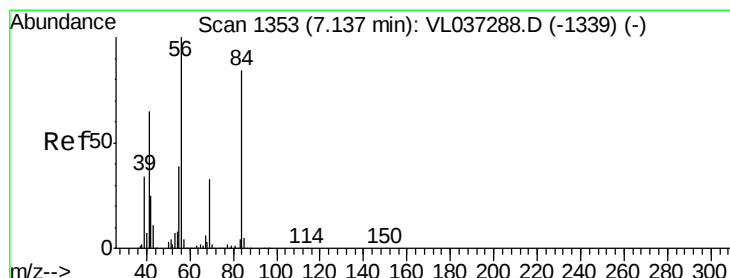
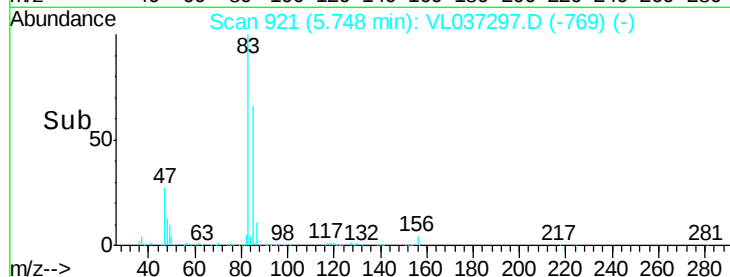
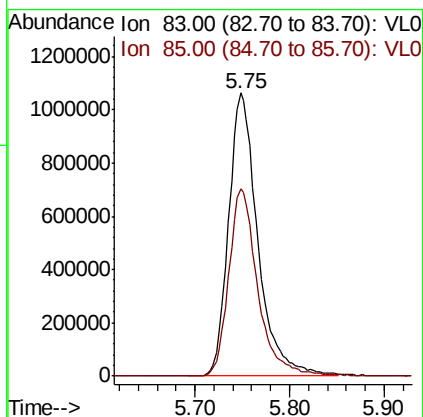
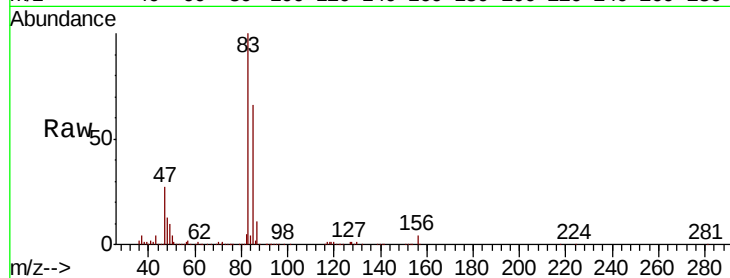
85 66.0 51.9 77.9

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#30

Cyclohexane

Concen: 9.930 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

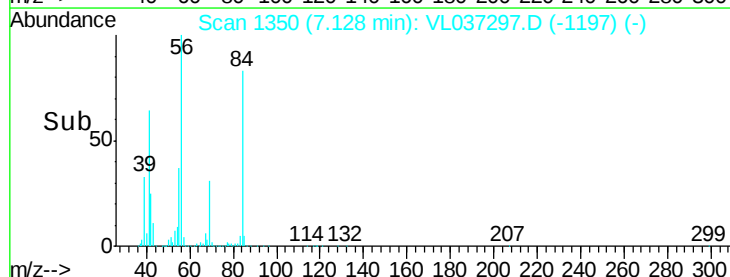
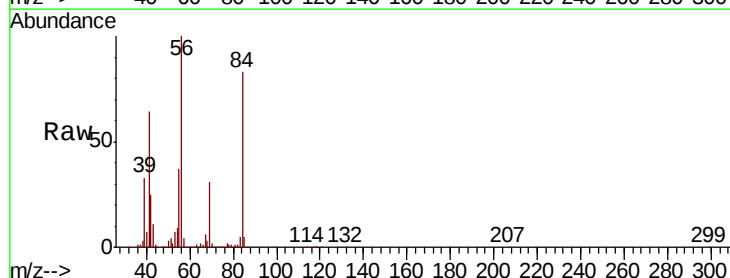
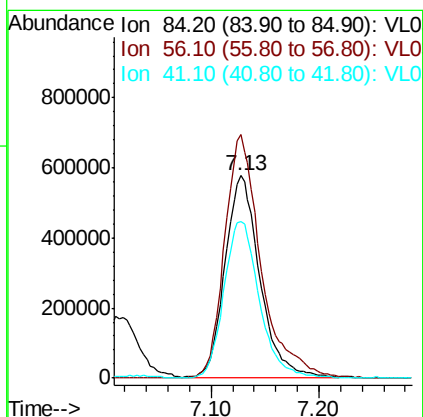
Tgt Ion: 84 Resp: 1286013

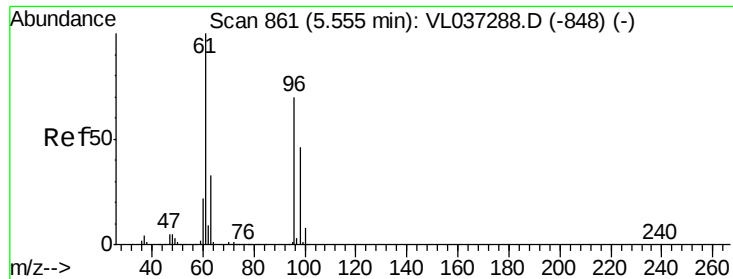
Ion Ratio Lower Upper

84 100

56 127.6 104.1 156.1

41 79.5 64.7 97.1





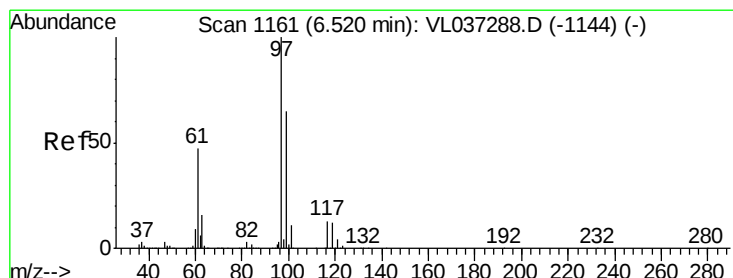
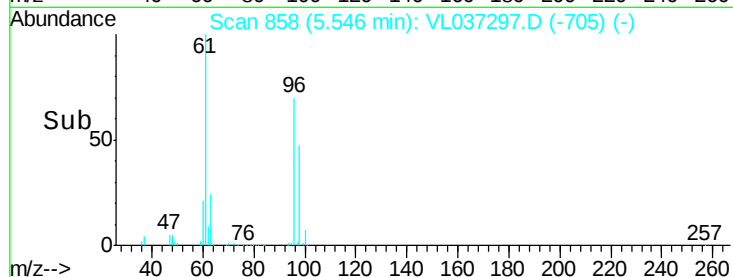
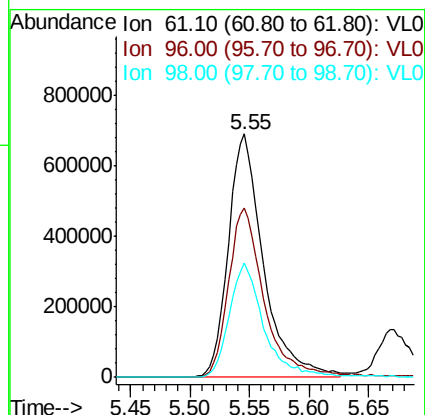
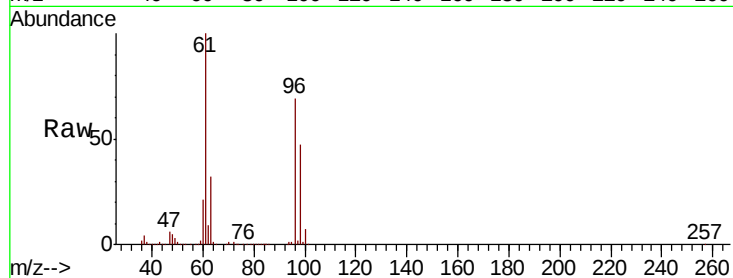
#31
 cis-1,2-Dichloroethene
 Concen: 9.996 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	69.5	55.9	83.9
98	47.1	37.1	55.7

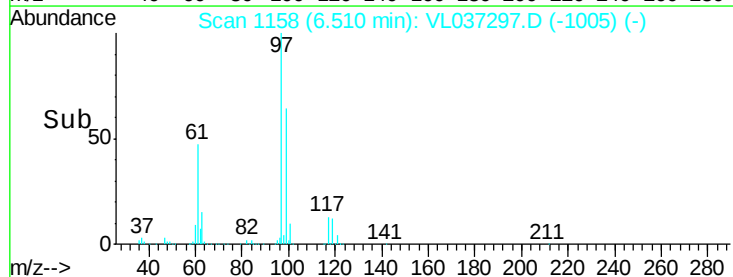
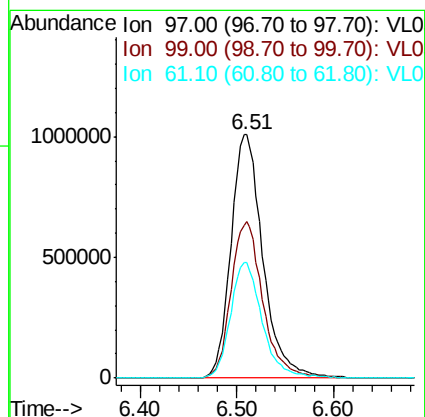
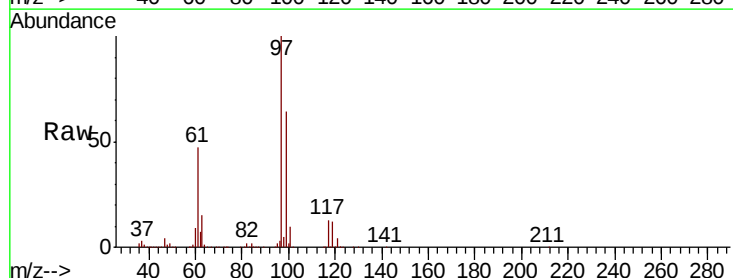
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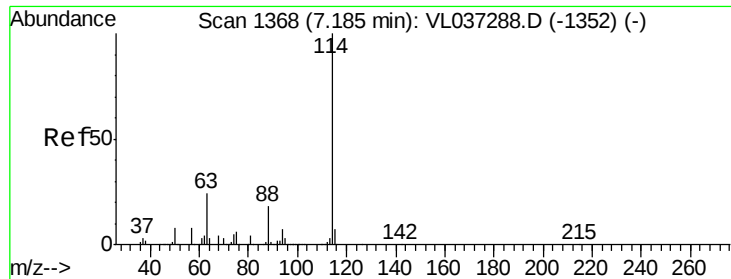
MMDadoda
 8/2/2021 8:58:00 AM



#32
 1,1,1-Trichloroethane
 Concen: 9.809 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.5	78.7
61	47.3	38.2	57.4





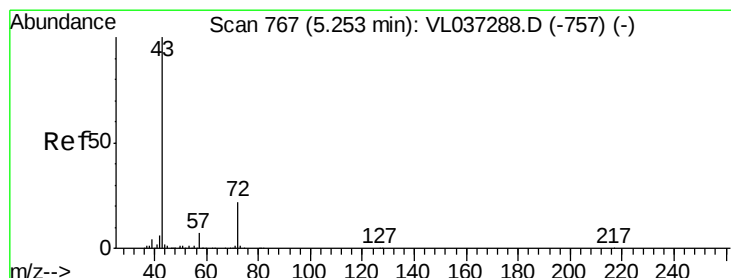
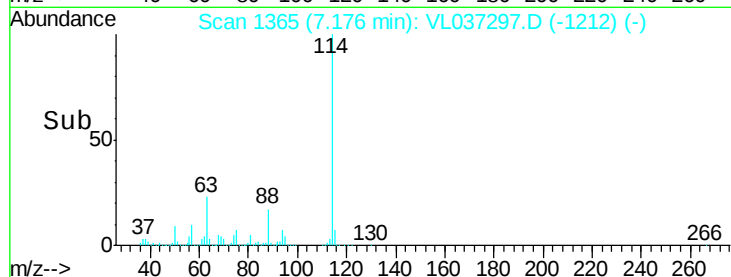
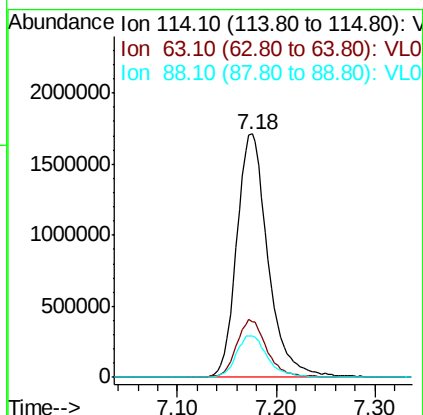
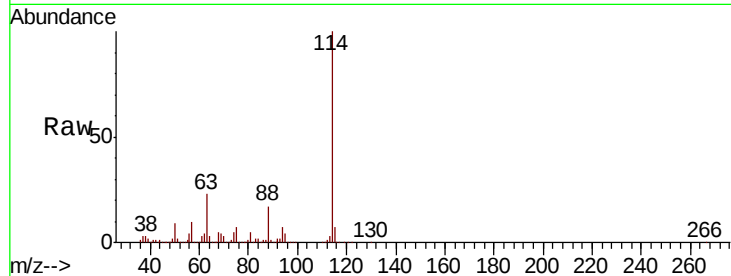
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.5	19.0	28.4
88	17.2	14.0	21.0

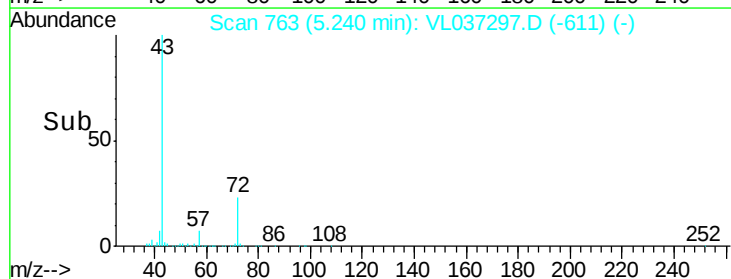
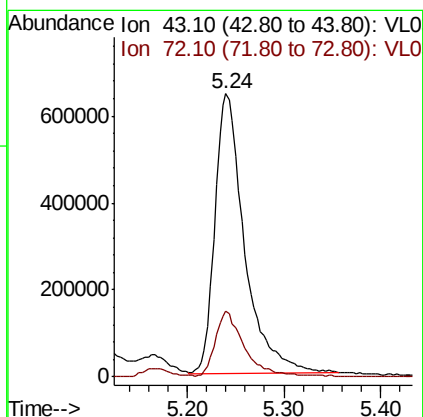
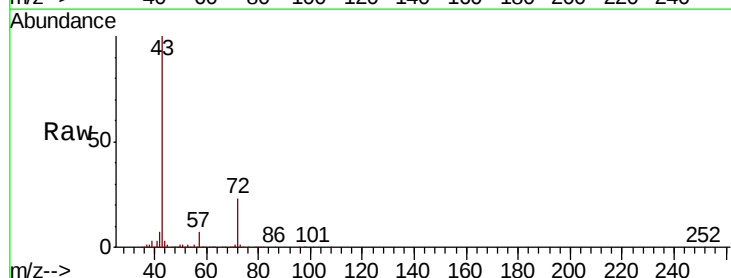
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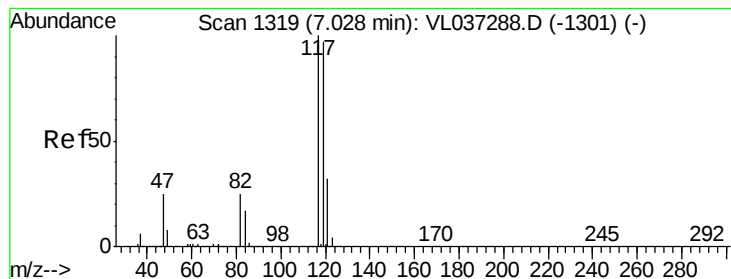
MMDadoda
 8/2/2021 8:58:00 AM



#34
 2-Butanone
 Concen: 8.556 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.5	27.7





#35

Carbon Tetrachloride

Concen: 10.357 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

Tot Ion:117 Resp: 2462397

Ion Ratio Lower Upper

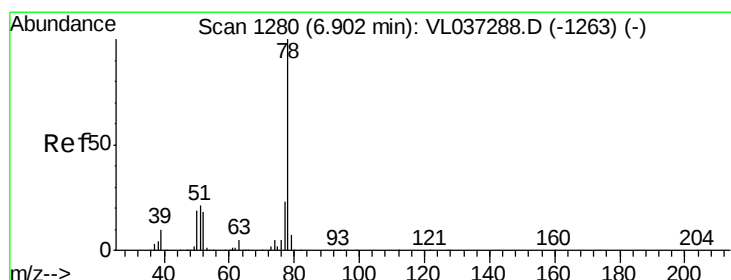
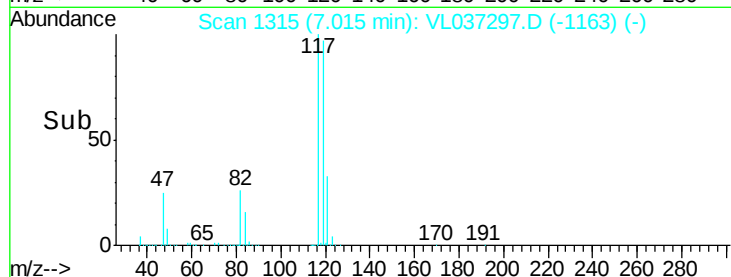
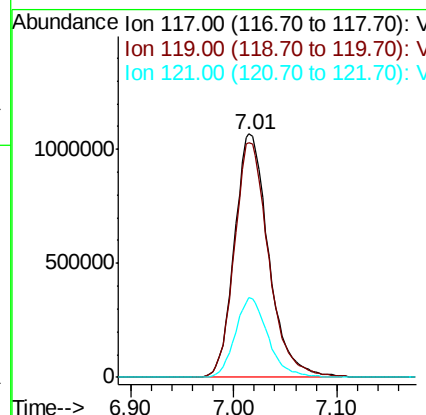
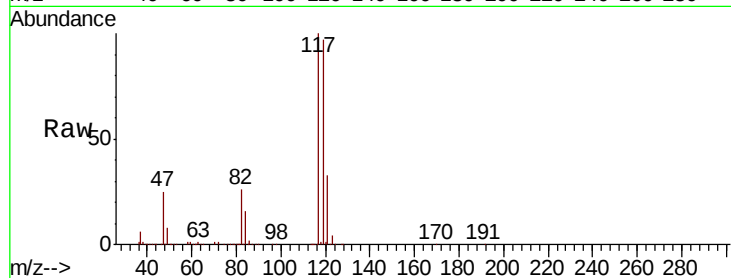
117 100

119 96.6 77.4 116.2

121 32.6 25.8 38.8

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#36

Benzene

Concen: 9.517 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

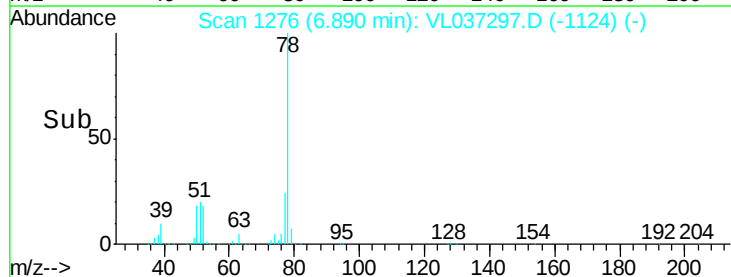
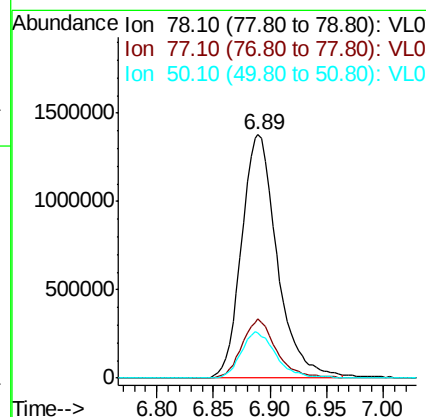
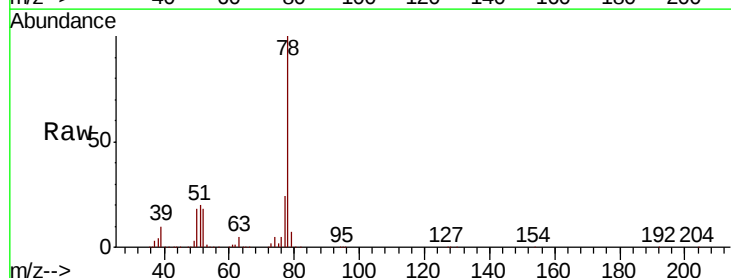
Tgt Ion: 78 Resp: 3022815

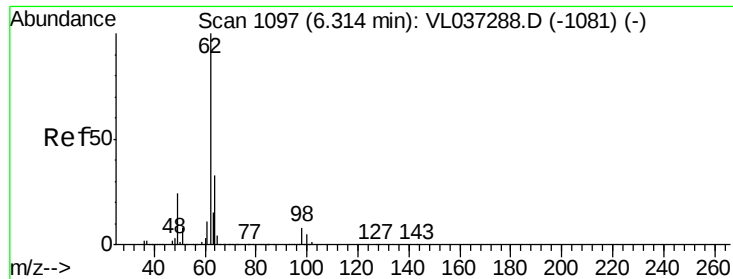
Ion Ratio Lower Upper

78 100

77 24.5 18.3 27.5

50 18.5 15.5 23.3





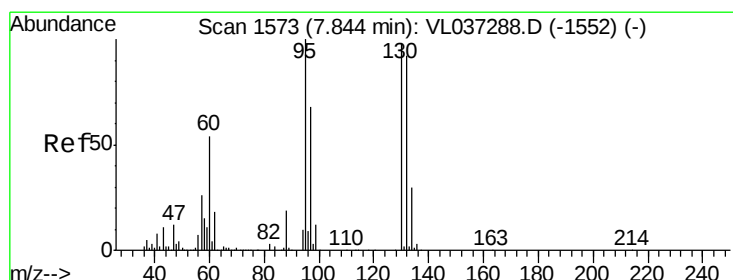
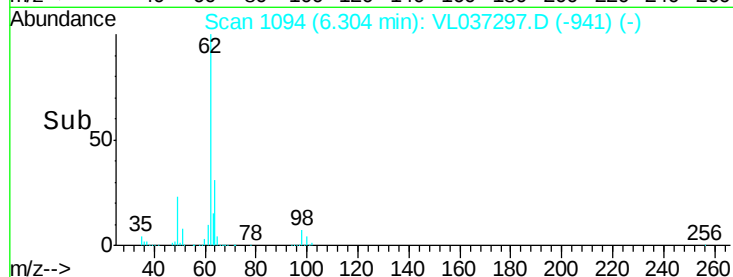
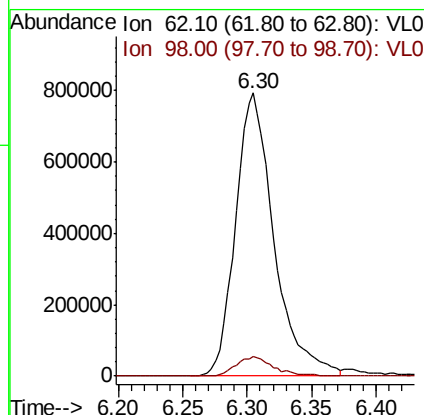
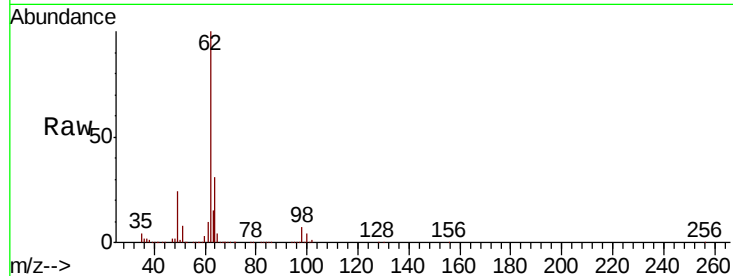
#37
 1,2-Dichloroethane
 Concen: 9.957 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

Tot Ion: 62 Resp: 1647600
 Ion Ratio Lower Upper
 62 100
 98 7.0 5.8 8.6

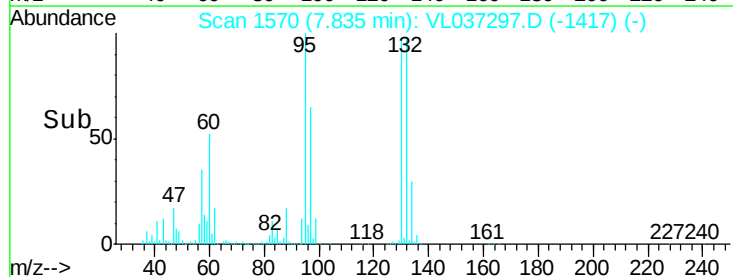
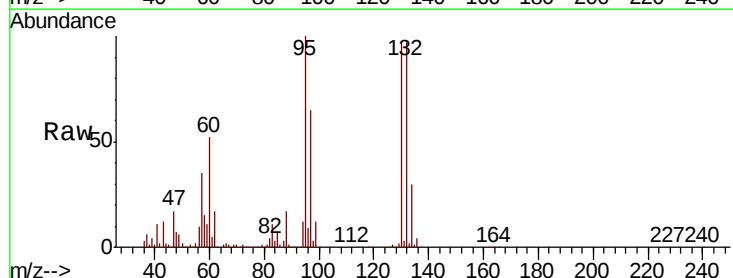
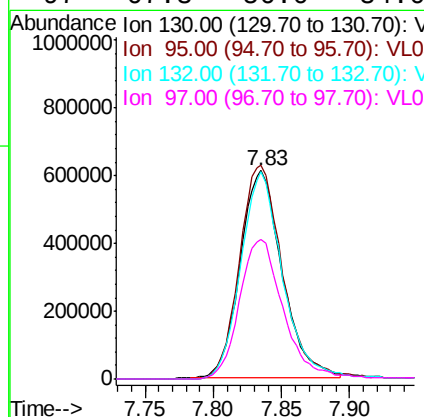
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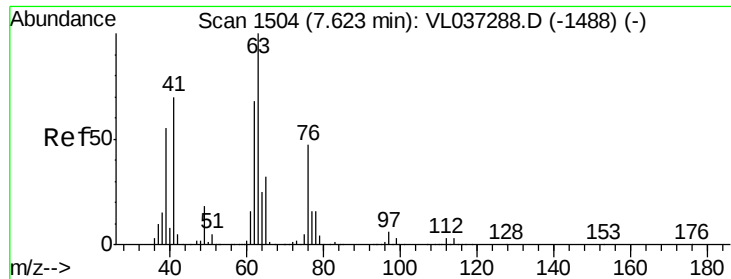
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 8/2/2021 8:58:00 AM



#38
 Trichloroethene
 Concen: 9.084 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion: 130 Resp: 1302094
 Ion Ratio Lower Upper
 130 100
 95 103.2 82.0 123.0
 132 100.2 75.0 112.6
 97 67.3 56.0 84.0





#39

1,2-Dichloropropane

Concen: 9.410 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

Tot Ion: 63 Resp: 1124083

Ion Ratio Lower Upper

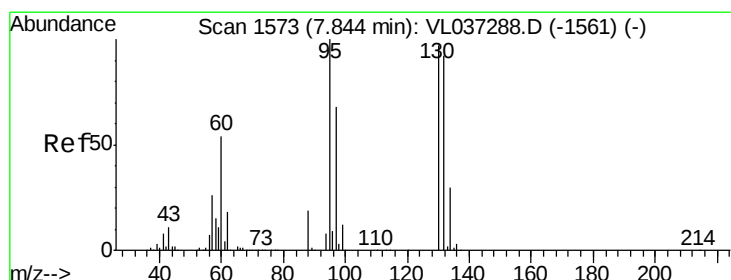
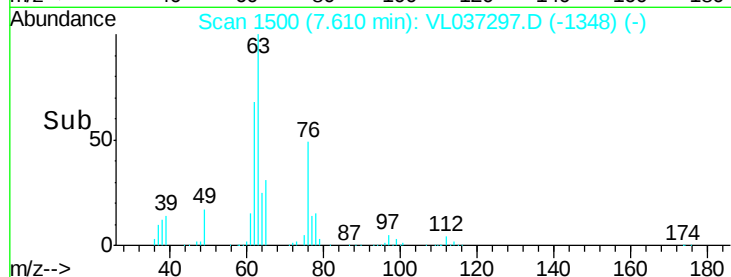
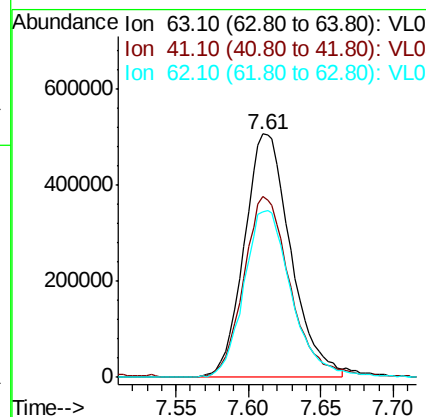
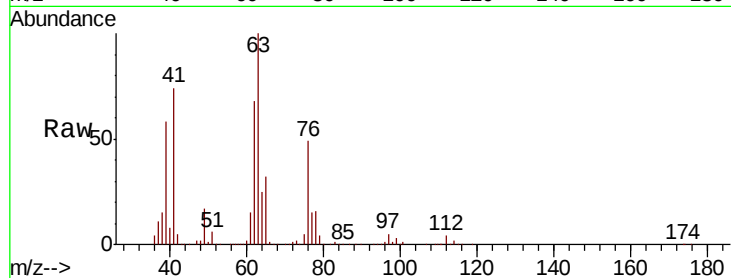
63 100

41 73.9 56.4 84.6

62 67.9 54.6 82.0

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#40

1,4-Dioxane

Concen: 7.887 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Tgt Ion: 88 Resp: 271393

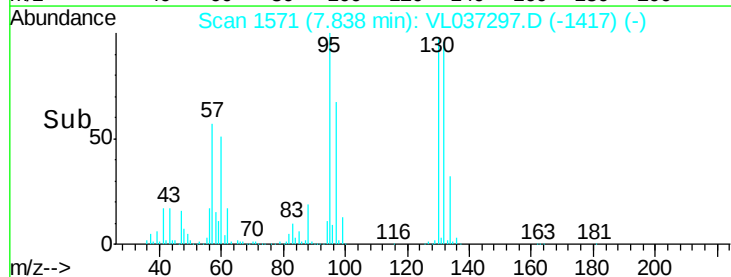
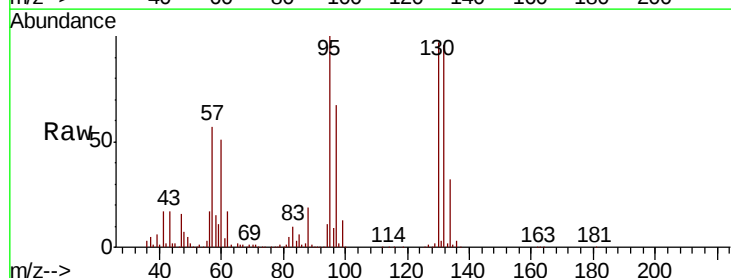
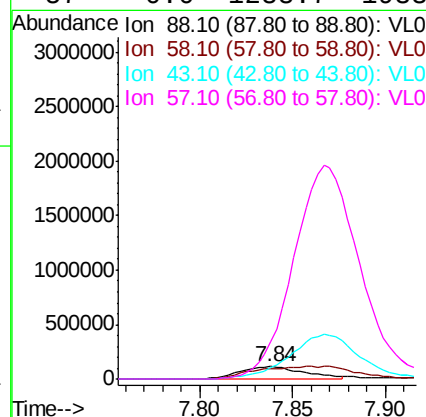
Ion Ratio Lower Upper

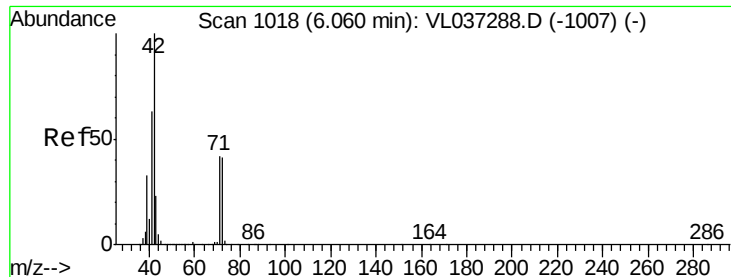
88 100

58 0.0 119.2 178.8#

43 0.0 282.2 423.2#

57 0.0 1288.7 1933.1#





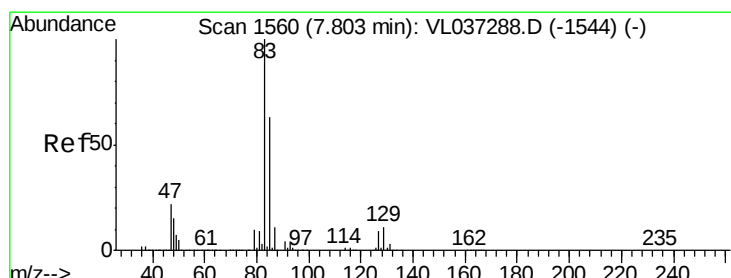
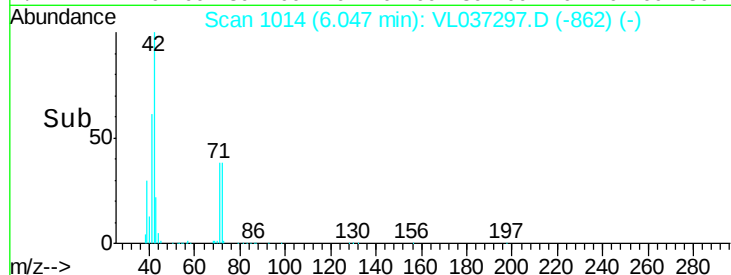
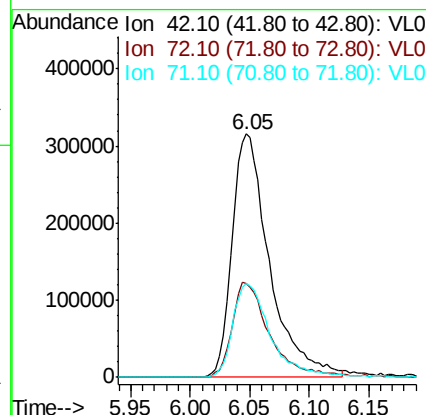
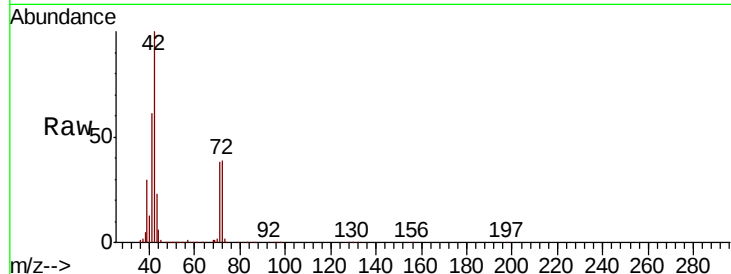
#41
Tetrahydrofuran
Concen: 10.616 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	33.0	49.6
71	39.6	32.7	49.1

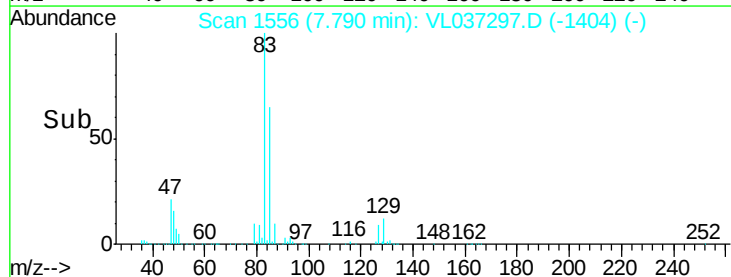
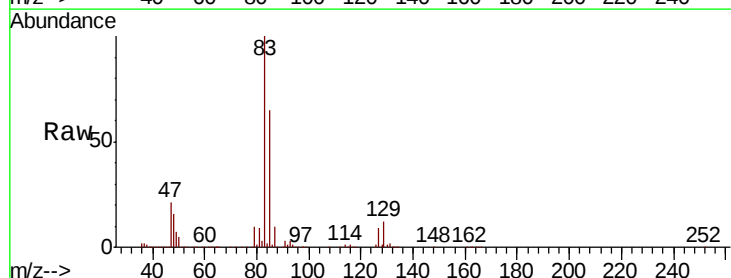
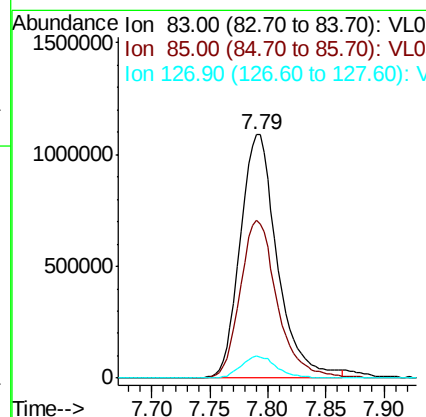
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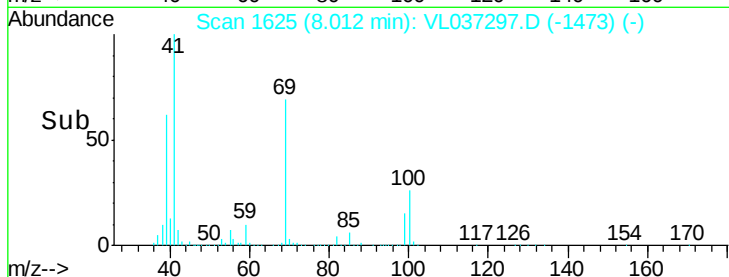
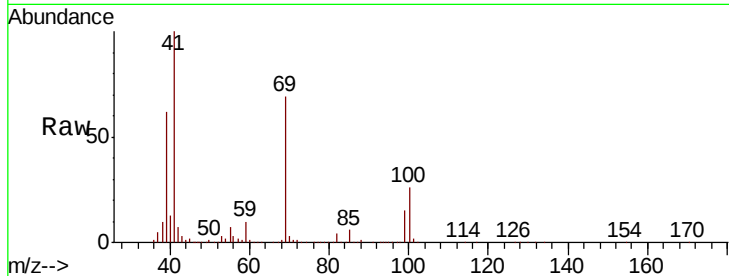
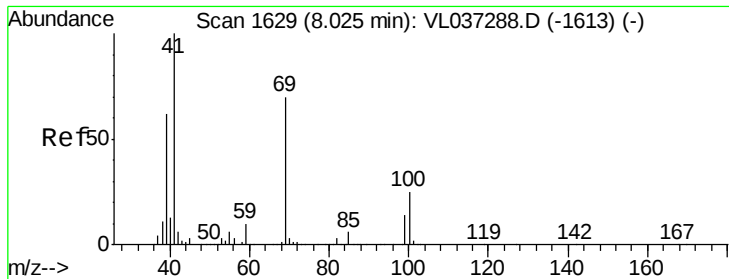
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#42
Bromodichloromethane
Concen: 10.534 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.5	75.7
127	9.2	7.0	10.6





#43

Methyl Methacrylate

Concen: 10.404 ppbv

RT: 8.01 min Scan# 1625

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Tot Ion: 69 Resp: 1098499

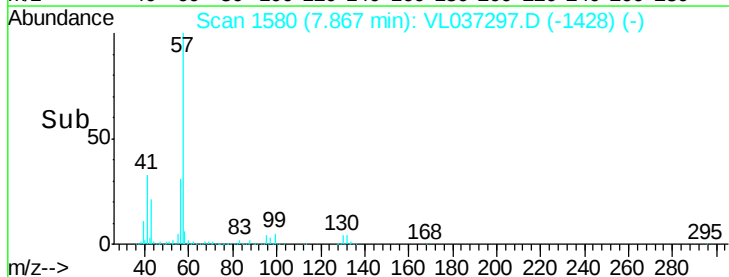
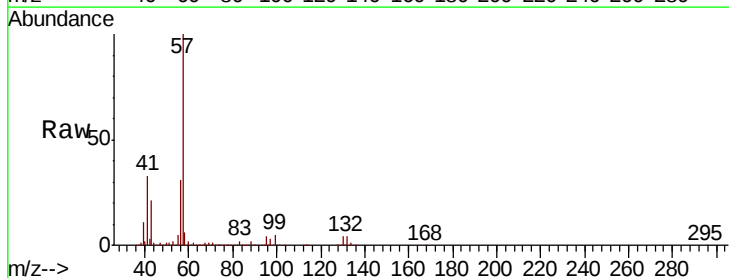
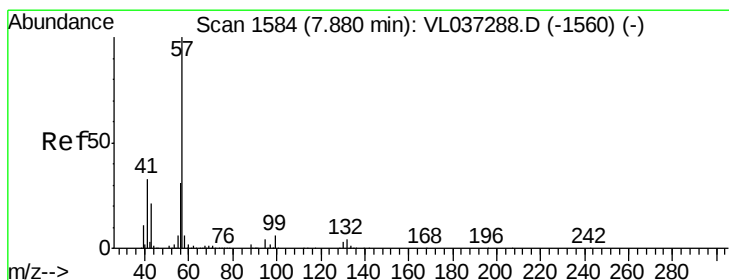
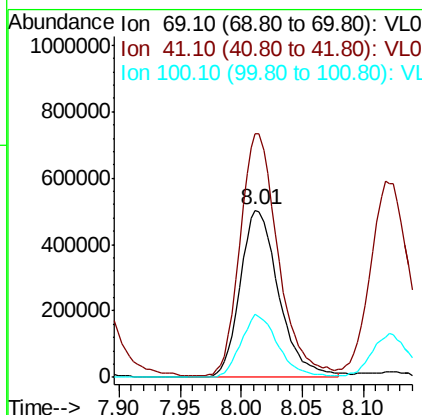
Ion	Ratio	Lower	Upper
69	100		
41	145.2	116.5	174.7
100	36.6	28.7	43.1

Instrument :
MSVOA_L

ClientSampleId :
VL0730ABS01

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 9.540 ppbv

RT: 7.87 min Scan# 1580

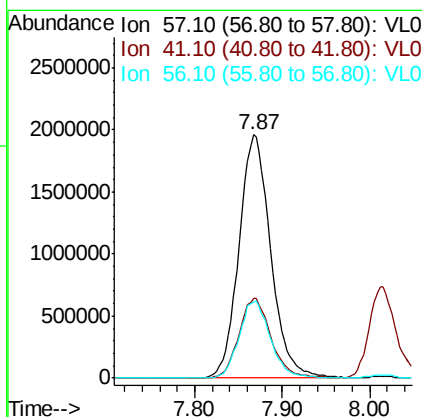
Delta R.T. -0.01 min

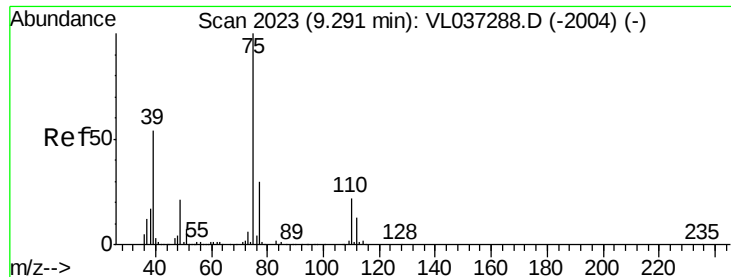
Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Tgt Ion: 57 Resp: 4953802

Ion	Ratio	Lower	Upper
57	100		
41	33.1	26.6	40.0
56	31.3	25.3	37.9





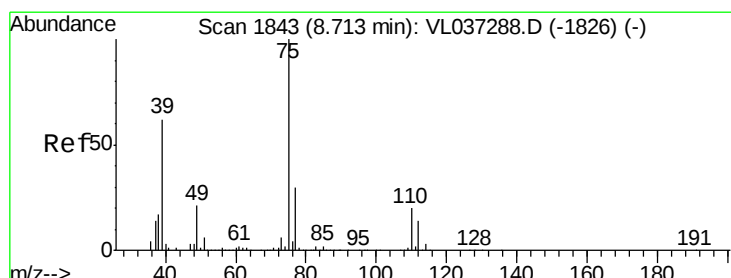
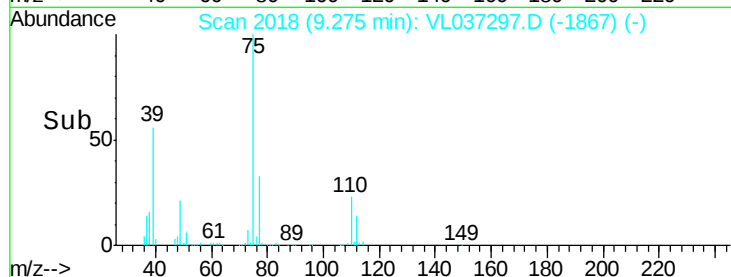
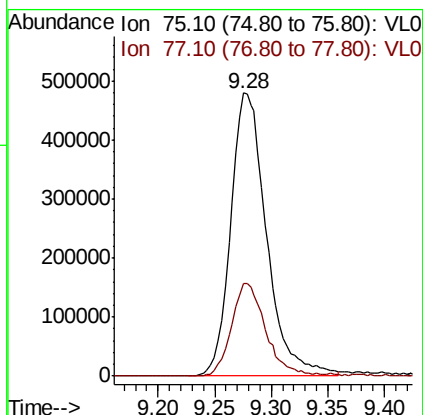
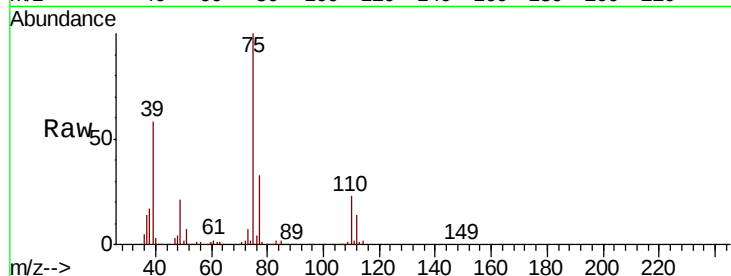
#45
t-1,3-Dichloropropene
Concen: 11.900 ppbv
RT: 9.28 min Scan# 2018
Delta R.T. -0.02 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

Tot Ion: 75 Resp: 1052872
Ion Ratio Lower Upper
75 100
77 32.6 24.3 36.5

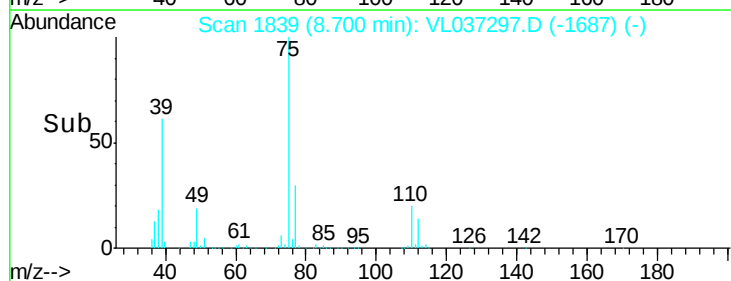
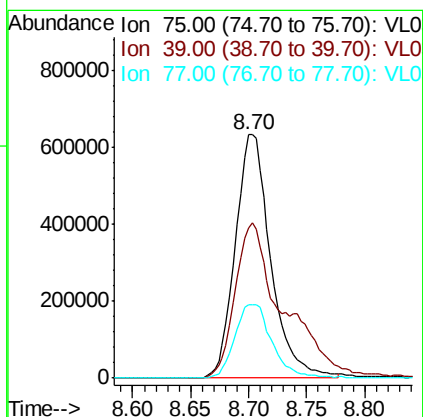
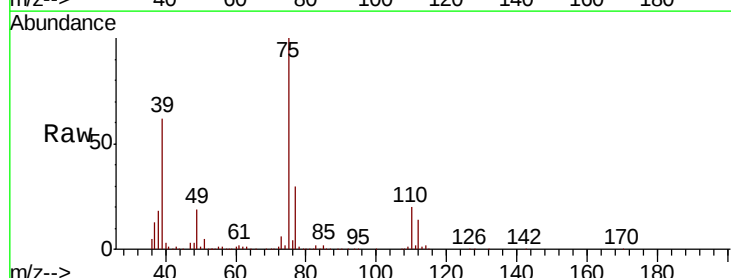
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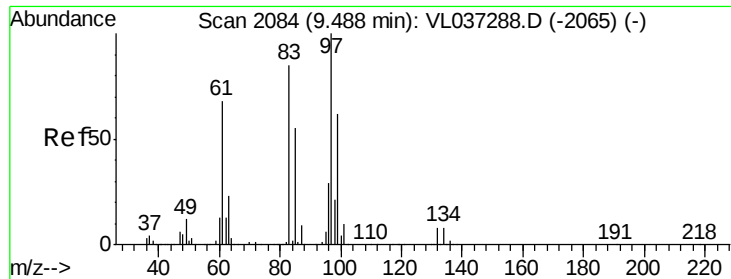
MMDadoda
8/2/2021 8:58:00 AM



#46
cis-1,3-Dichloropropene
Concen: 11.231 ppbv
RT: 8.70 min Scan# 1839
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion: 75 Resp: 1340167
Ion Ratio Lower Upper
75 100
39 61.6 49.8 74.6
77 29.9 24.3 36.5





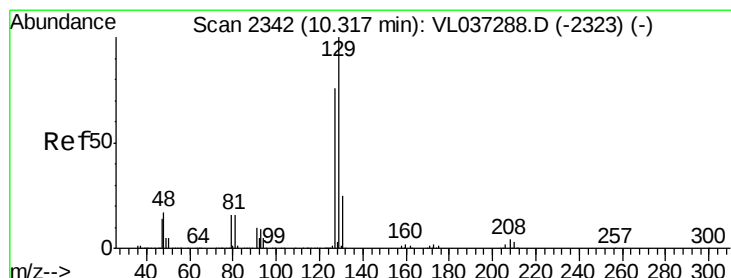
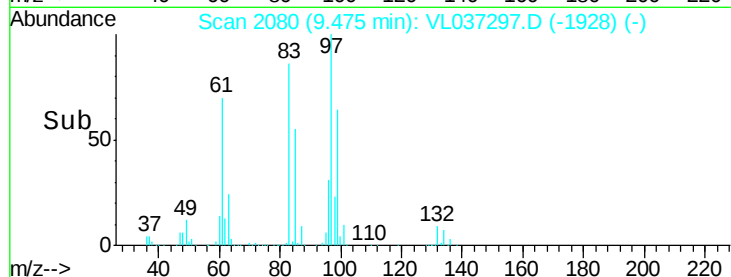
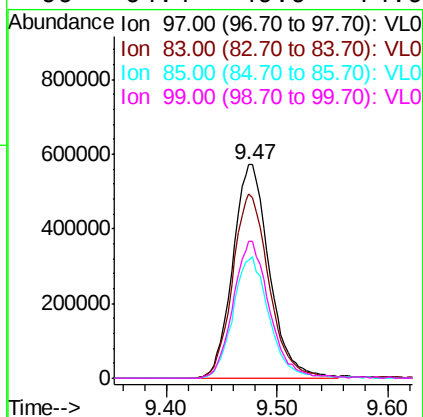
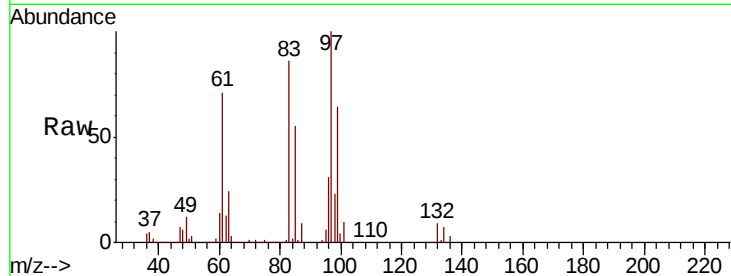
#47
 1,1,2-Trichloroethane
 Concen: 9.801 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.5	67.7	101.5
85	55.1	43.8	65.6
99	64.4	49.9	74.9

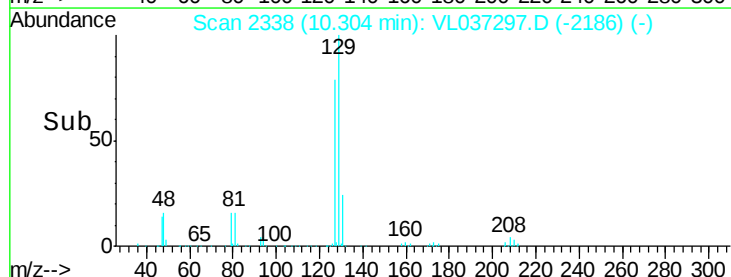
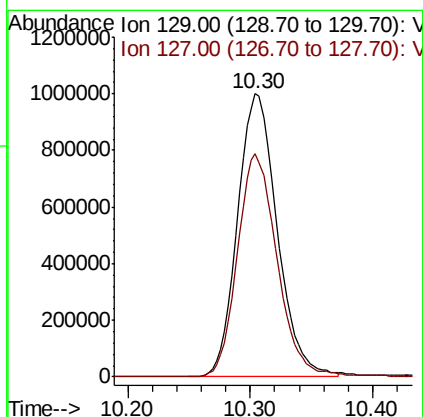
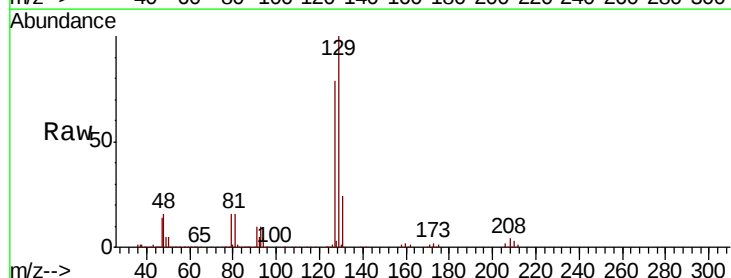
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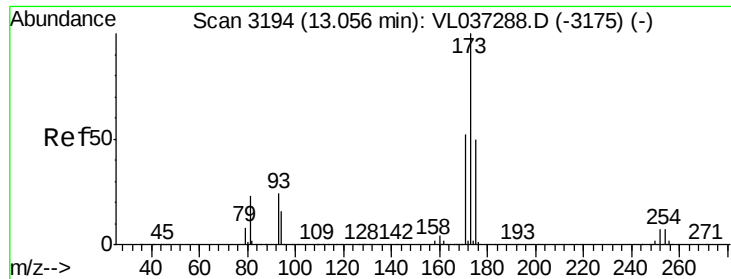
MMDadoda
 8/2/2021 8:58:00 AM



#48
 Dibromochloromethane
 Concen: 10.987 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.5	39.5	118.3





#49

Bromoform

Concen: 11.704 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

Tot Ion:173 Resp: 1865262

Ion Ratio Lower Upper

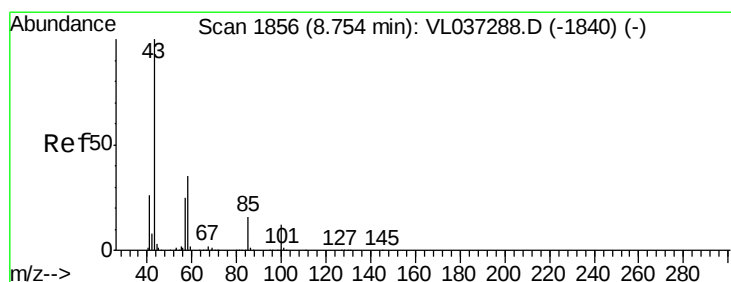
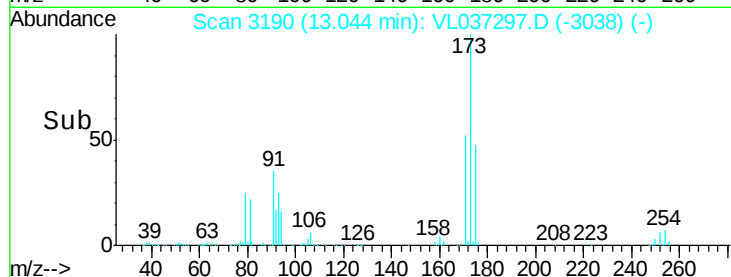
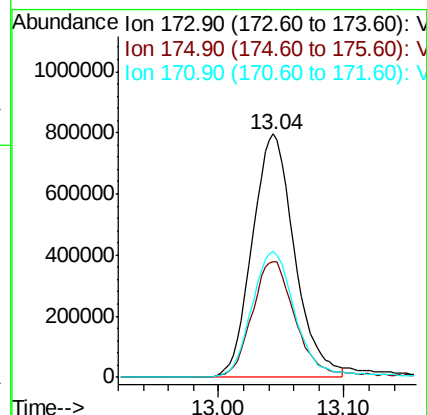
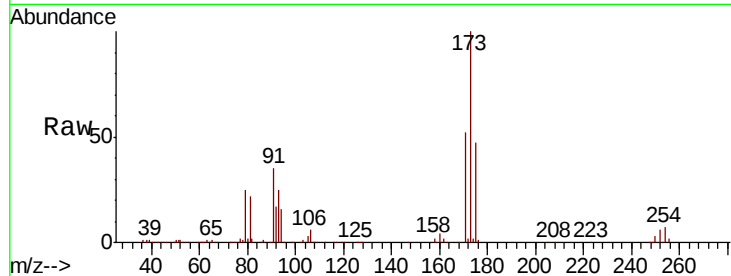
173 100

175 51.0 40.4 60.6

171 55.1 43.3 64.9

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#50

4-Methyl-2-Pentanone

Concen: 9.748 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL037297.D

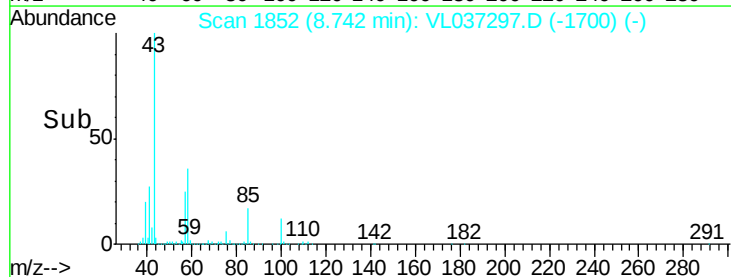
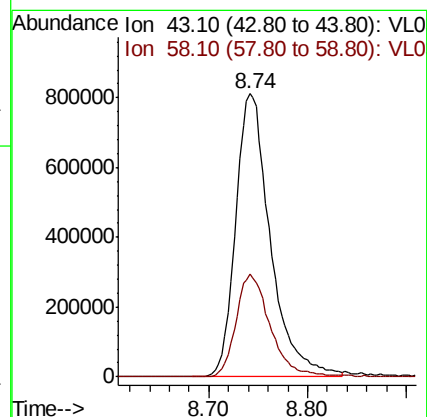
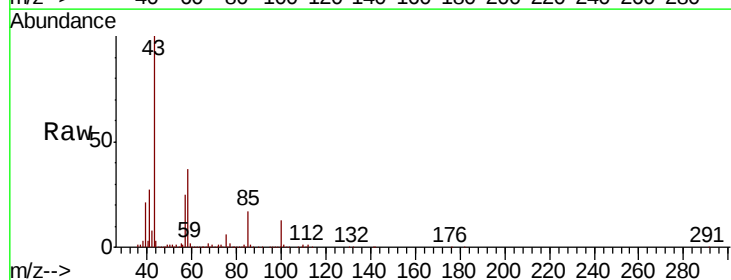
Acq: 31 Jul 2021 00:36

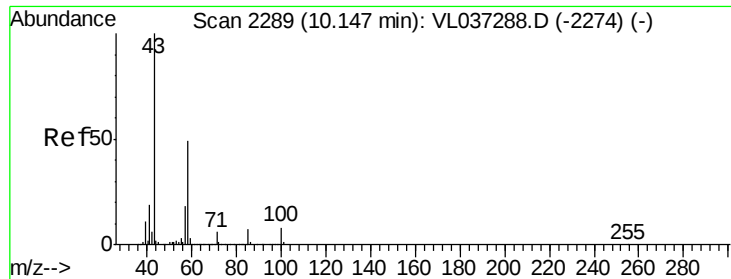
Tgt Ion: 43 Resp: 1987092

Ion Ratio Lower Upper

43 100

58 36.2 29.2 43.8





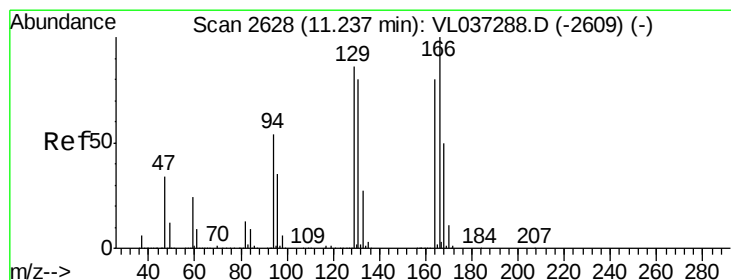
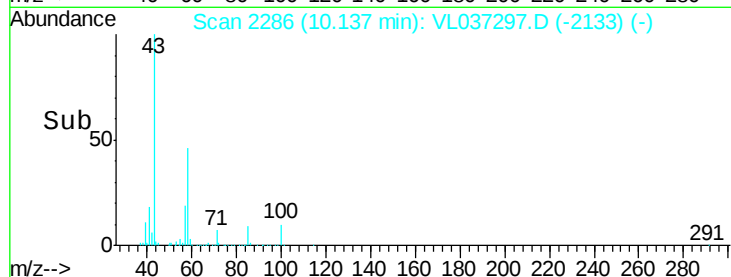
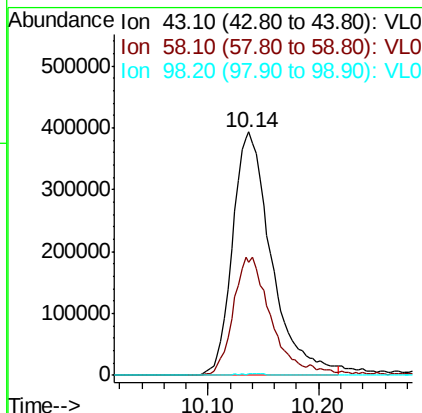
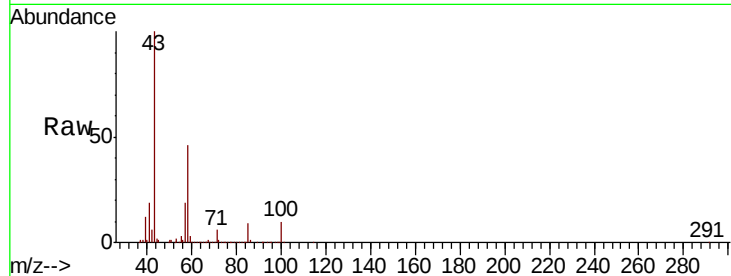
#51
2-Hexanone
Concen: 10.181 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	39.0	58.4
98	0.7	0.4	0.6#

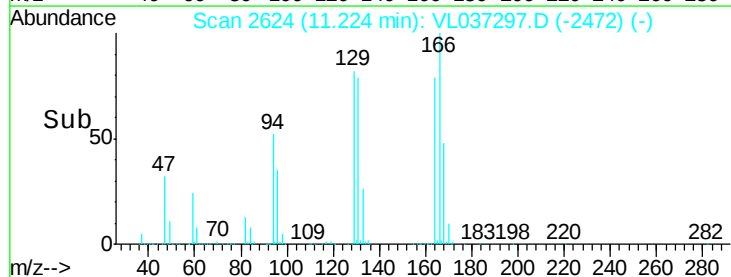
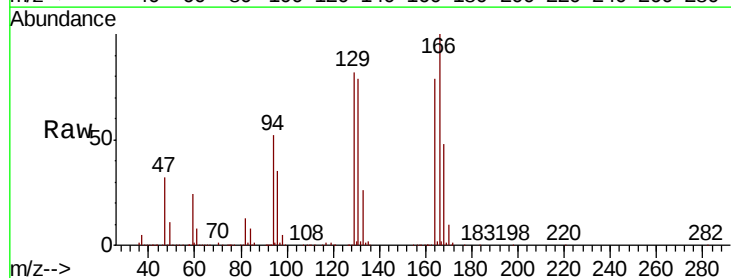
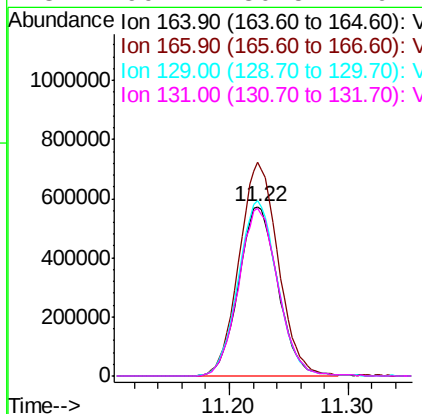
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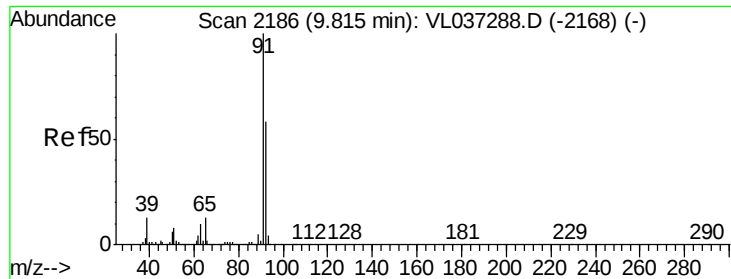
MMDadoda
8/2/2021 8:58:00 AM



#52
Tetrachloroethene
Concen: 9.326 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	100.4	150.6
129	103.2	86.2	129.4
131	99.1	80.5	120.7





#53

Toluene

Concen: 9.910 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

Tot Ion: 91 Resp: 3700508

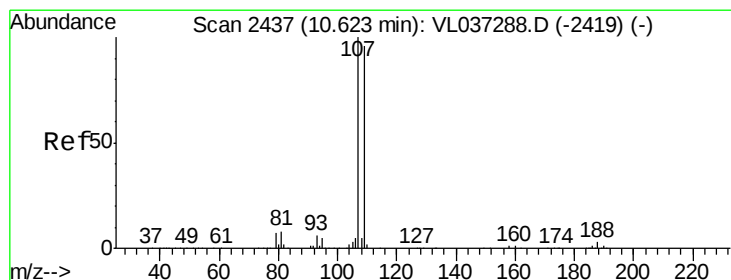
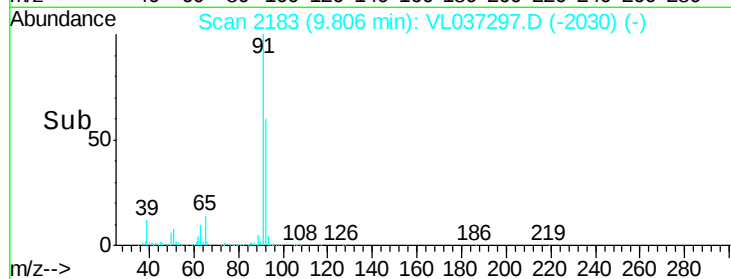
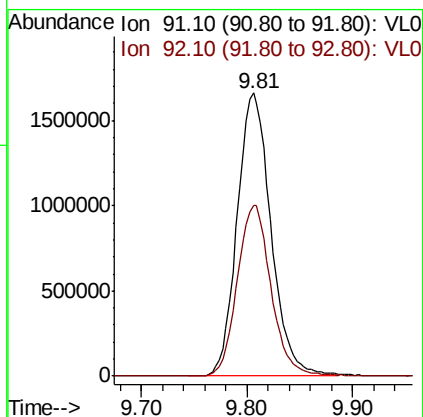
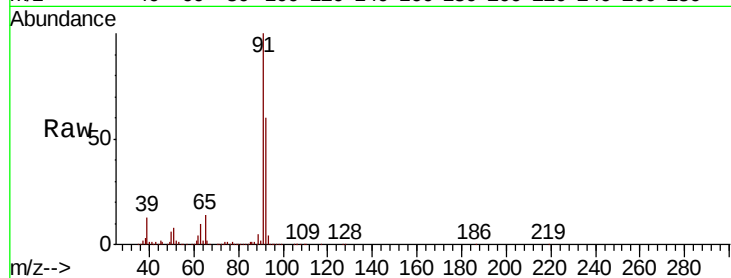
Ion Ratio Lower Upper

91 100

92 60.6 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 10.295 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL037297.D

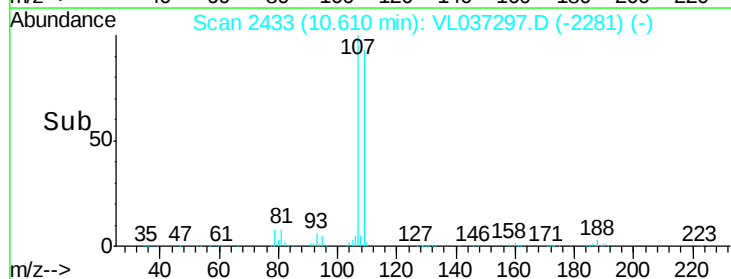
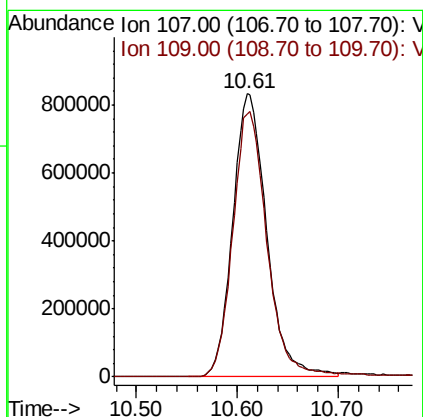
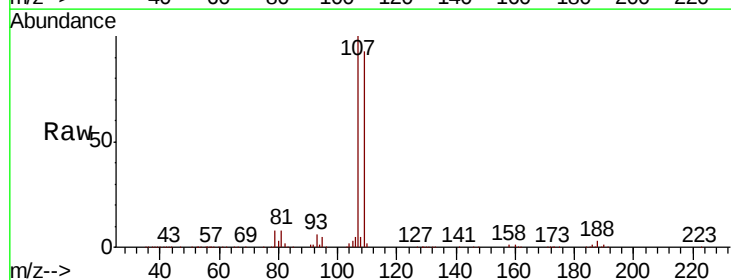
Acq: 31 Jul 2021 00:36

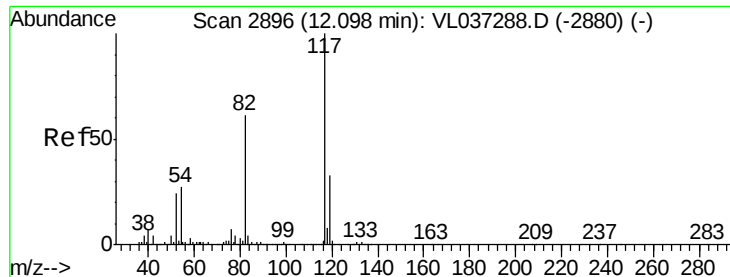
Tgt Ion: 107 Resp: 1950475

Ion Ratio Lower Upper

107 100

109 92.8 77.0 115.4





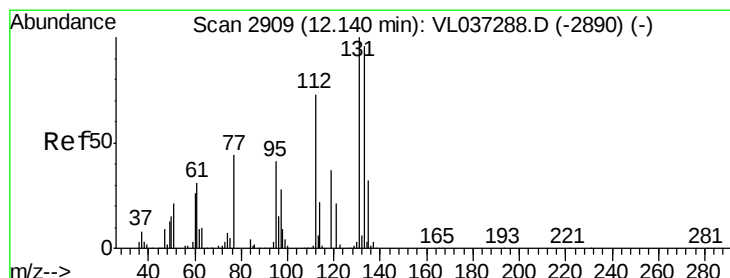
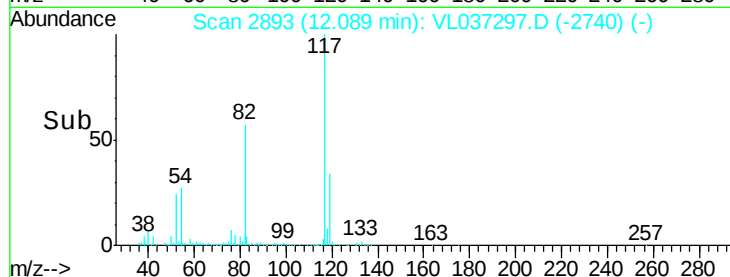
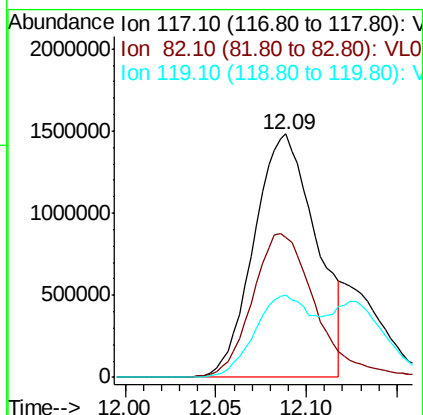
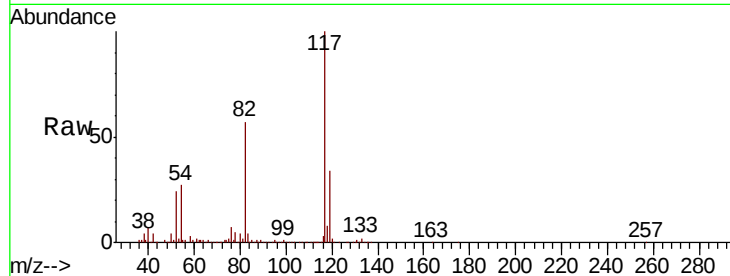
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	47.2	70.8
119	29.7	45.8	68.8#

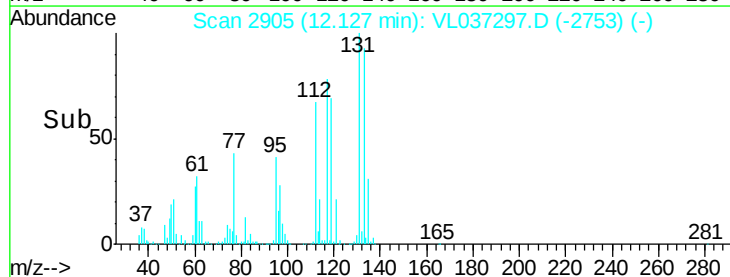
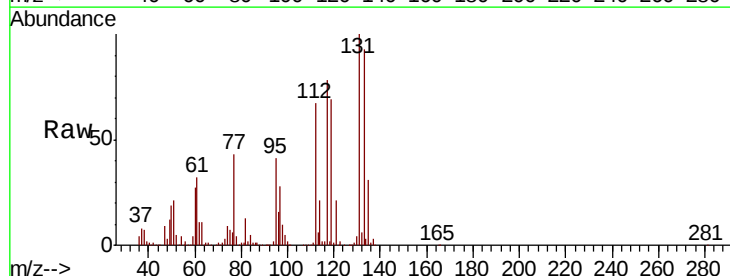
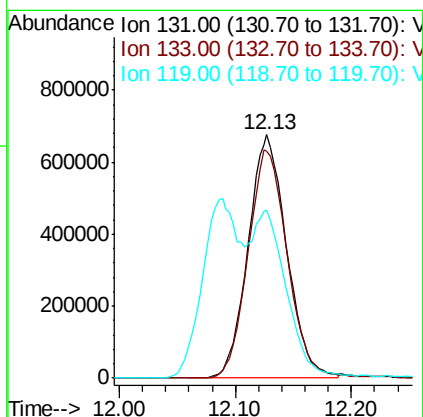
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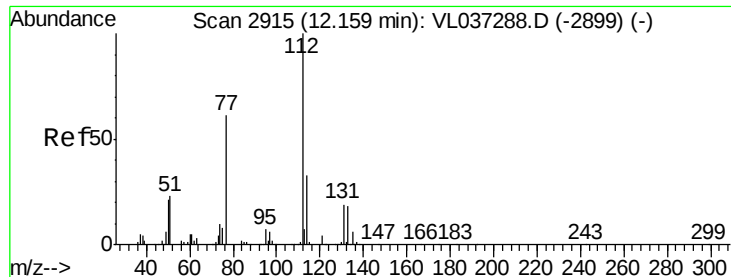
MMDadoda
8/2/2021 8:58:00 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.095 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	77.4	116.2
119	70.1	51.0	76.4





#57

Chlorobenzene

Concen: 9.789 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

Tot Ion: 112 Resp: 2891387

Ion Ratio Lower Upper

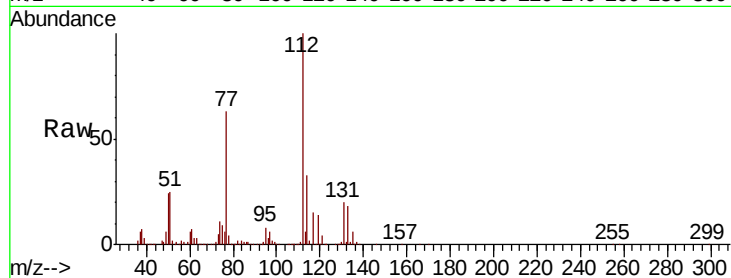
112 100

77 61.6 49.0 73.6

114 32.4 29.3 35.9

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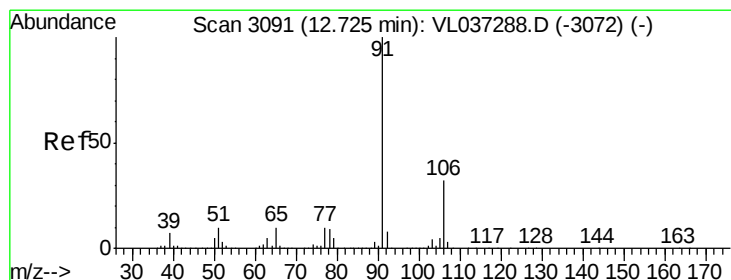
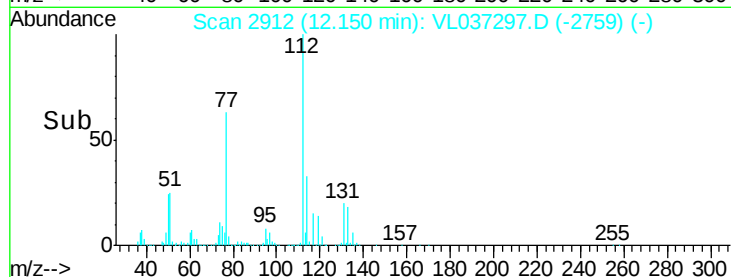
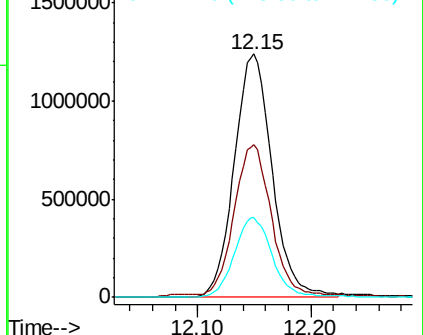
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.058 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.01 min

Lab File: VL037297.D

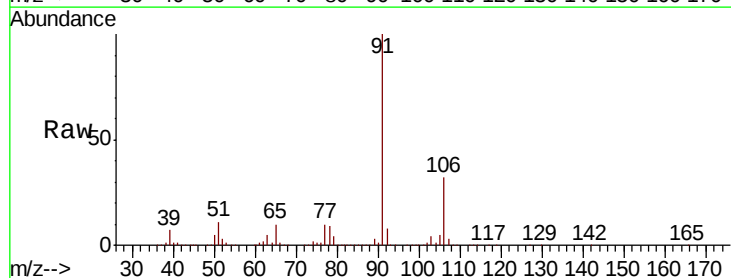
Acq: 31 Jul 2021 00:36

Tgt Ion: 91 Resp: 4882538

Ion Ratio Lower Upper

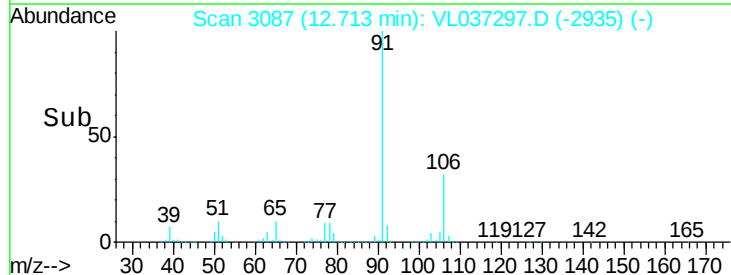
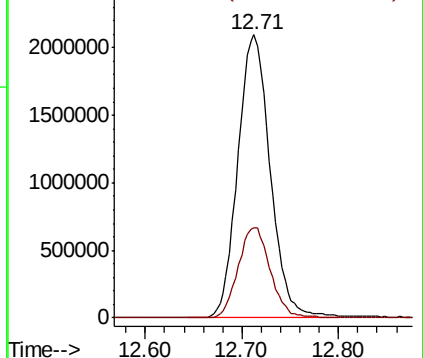
91 100

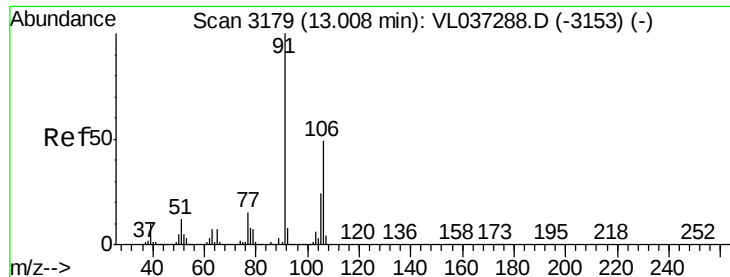
106 32.0 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





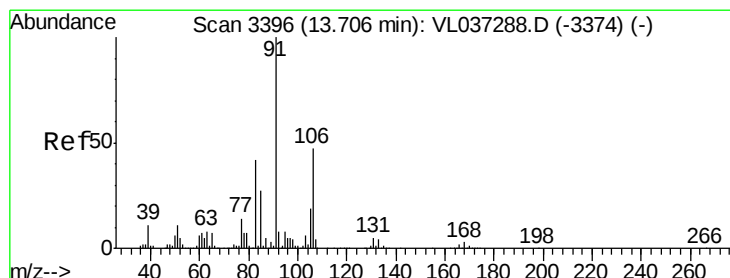
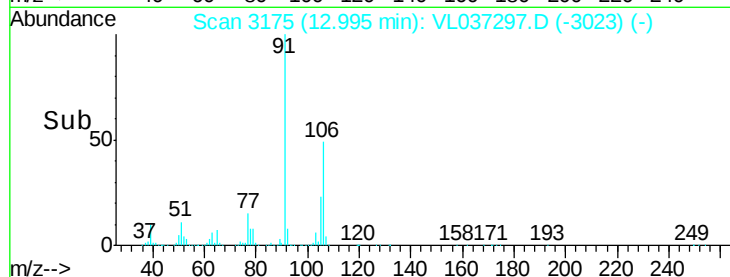
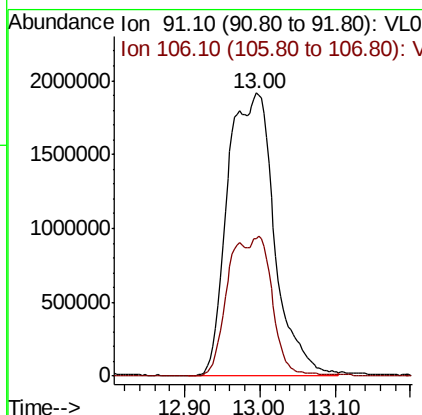
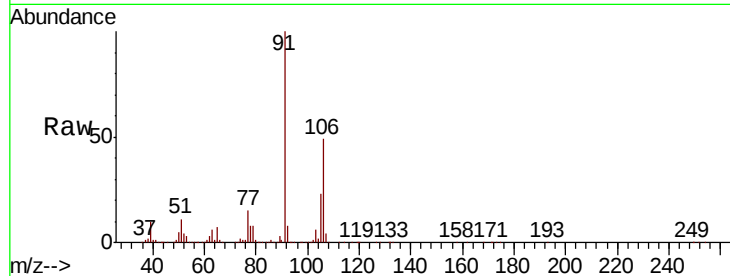
#59
m/p-Xylene
Concen: 19.816 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

Tot Ion: 91 Resp: 8281220
Ion Ratio Lower Upper
91 100
106 46.7 37.3 55.9

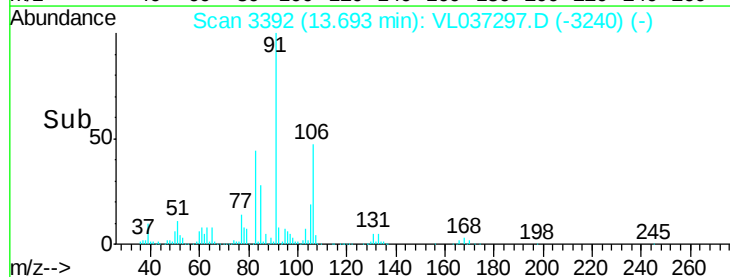
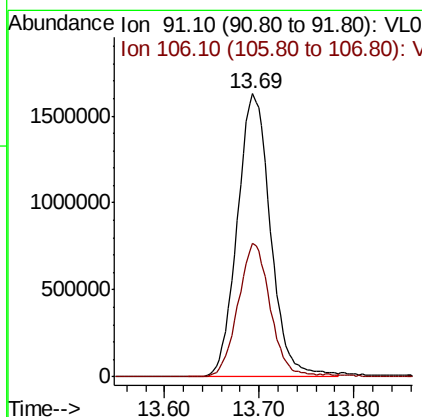
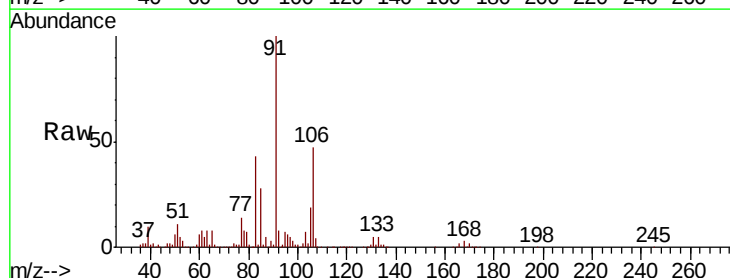
Manual Integrations
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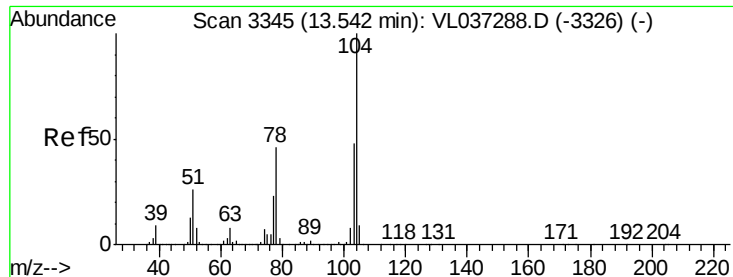
MMDadoda
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#60
o-Xylene
Concen: 9.958 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion: 91 Resp: 3976794
Ion Ratio Lower Upper
91 100
106 46.5 23.4 70.0





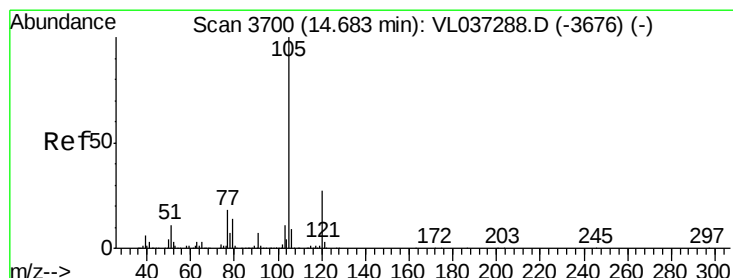
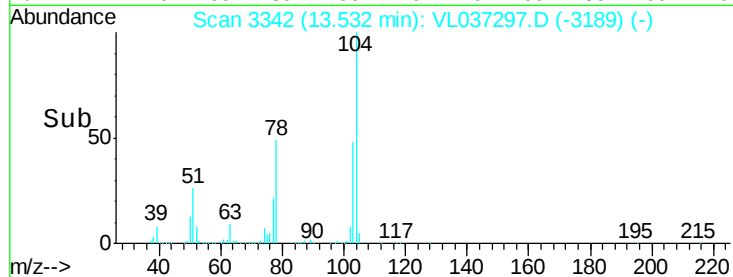
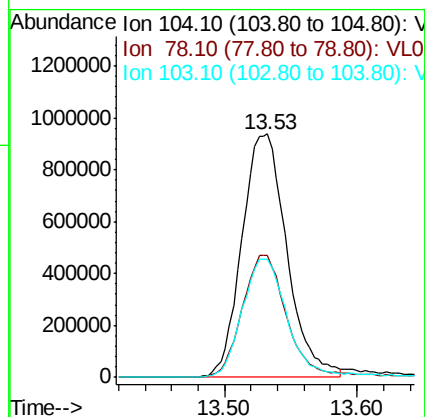
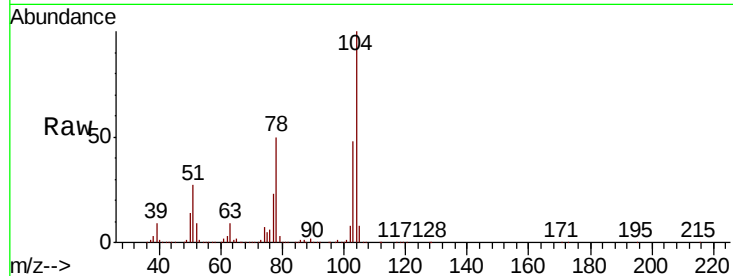
#61
Stvrene
Concen: 10.849 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.4	39.0	58.6
103	49.3	38.6	58.0

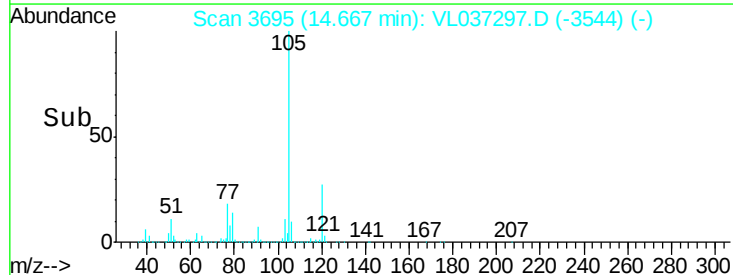
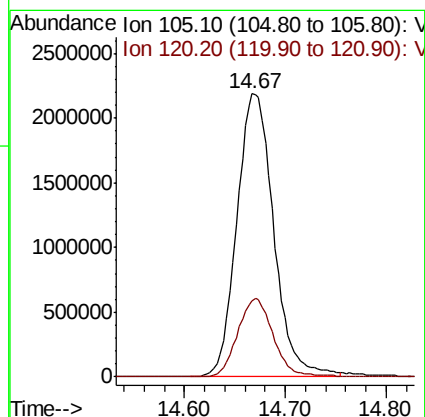
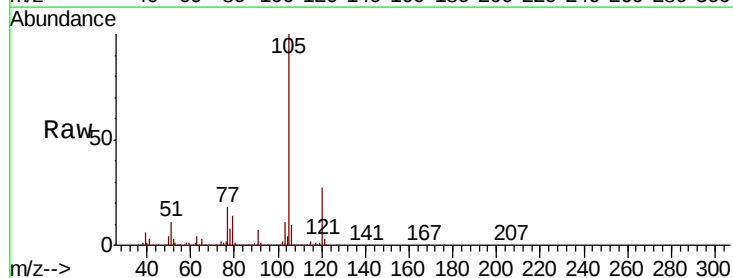
Manual Integrations
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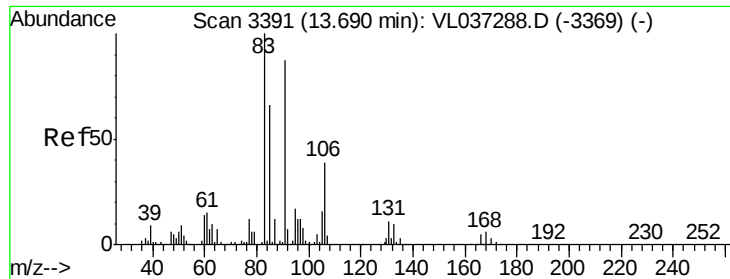
MMDadoda
8/2/2021 8:58:00 AM



#62
Isopropylbenzene
Concen: 9.831 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. -0.02 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	21.8	32.6





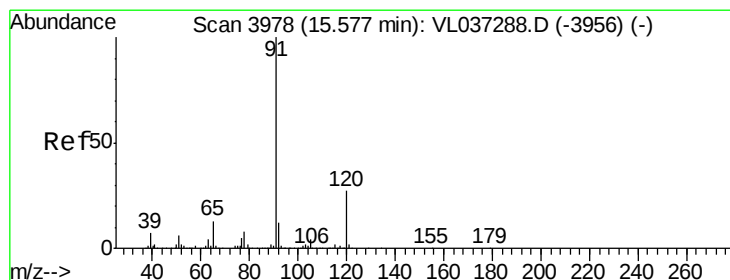
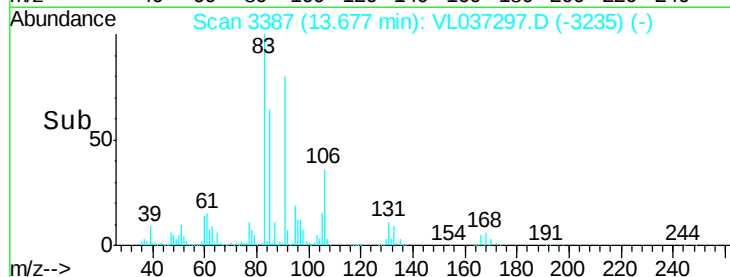
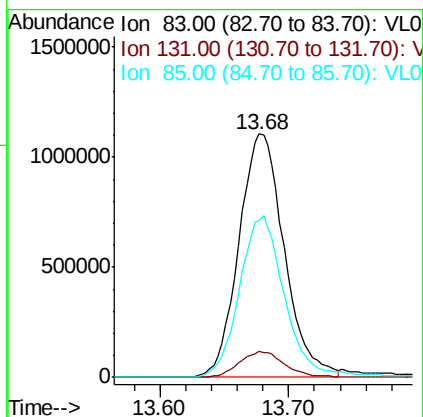
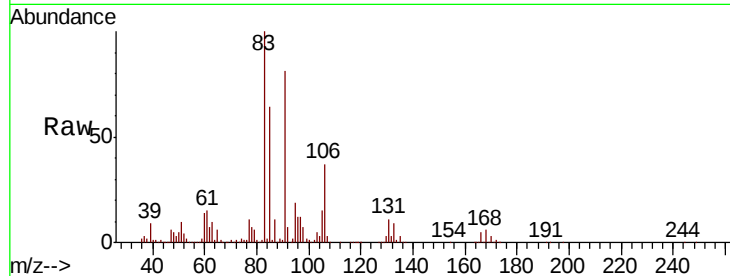
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.560 ppbv
 RT: 13.68 min Scan# 3387
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

Tot Ion	83	Resp	2692847
Ion Ratio	100	Lower	Upper
83	100		
131	11.0	5.5	16.5
85	67.7	33.6	100.8

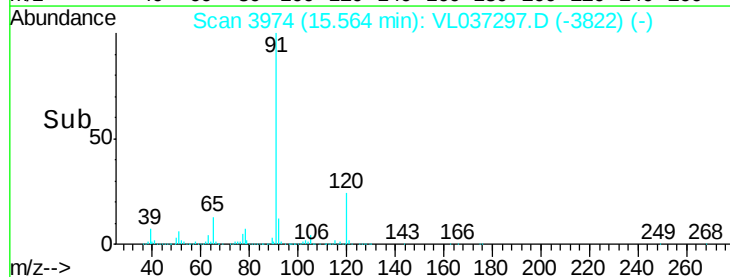
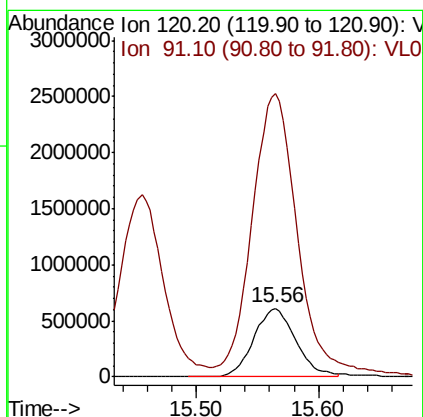
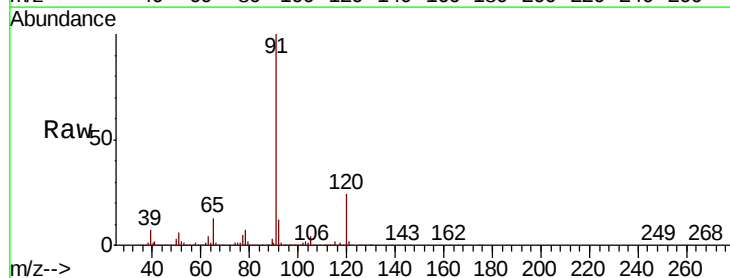
Manual Integrations
 APPROVED

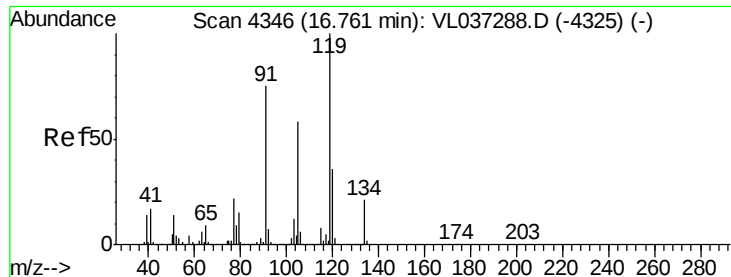
MMDadoda
 8/2/2021 8:58:00 AM



#64
 n-propylbenzene
 Concen: 10.017 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion	120	Resp	1465189
Ion Ratio	100	Lower	Upper
120	100		
91	451.3	347.0	520.4





#65

tert-Butylbenzene

Concen: 9.753 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

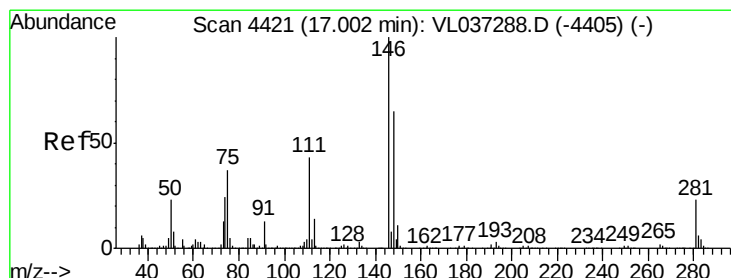
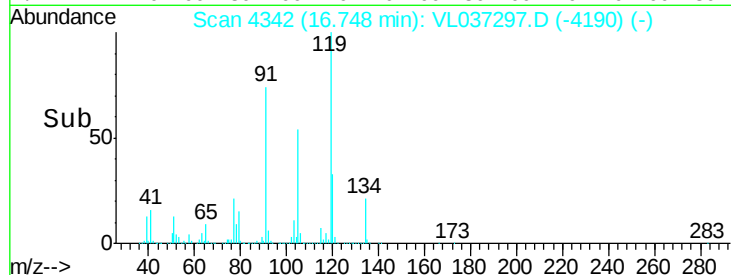
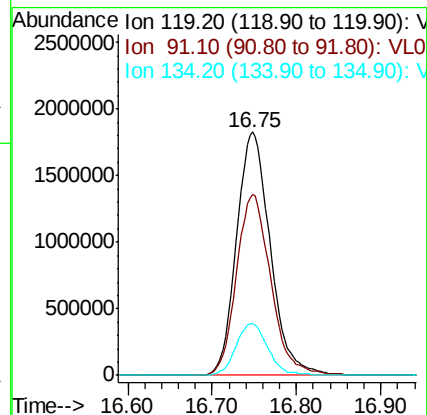
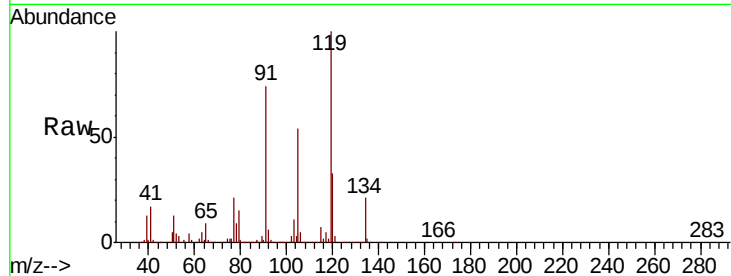
ClientSampleId :

VL0730ABS01

Tot Ion:	119	Resp:	5092179
Ion	Ratio	Lower	Upper
119	100		
91	75.5	60.5	90.7
134	20.3	16.2	24.4

Manual Integrations
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MMDadoda
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#66

Benzyl Chloride

Concen: 11.744 ppbv

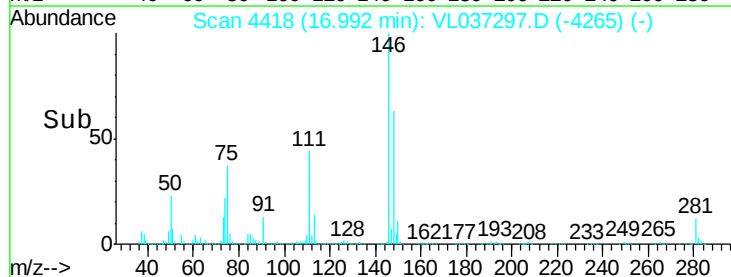
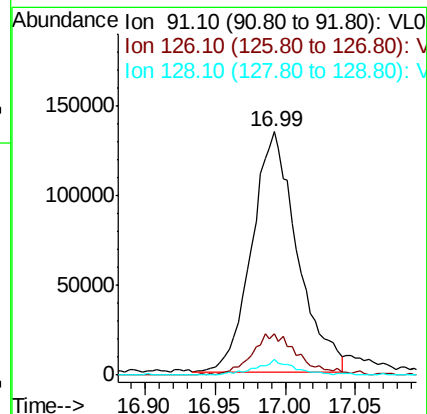
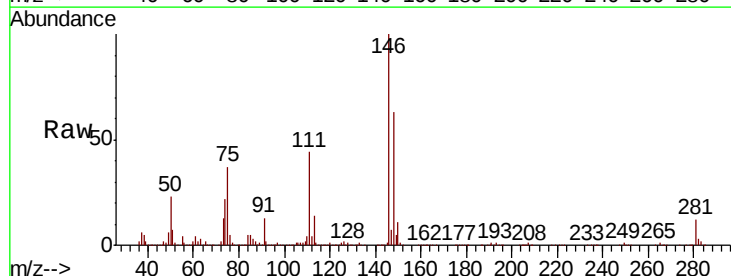
RT: 16.99 min Scan# 4418

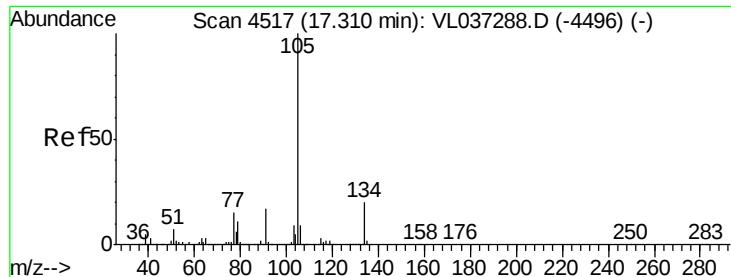
Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Tgt Ion:	91	Resp:	301306
Ion	Ratio	Lower	Upper
91	100		
126	18.1	15.4	23.0
128	5.9	5.0	7.4





#67

sec-Butylbenzene

Concen: 9.924 ppbv

RT: 17.30 min Scan# 4513

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

Tot Ion: 105 Resp: 6850776

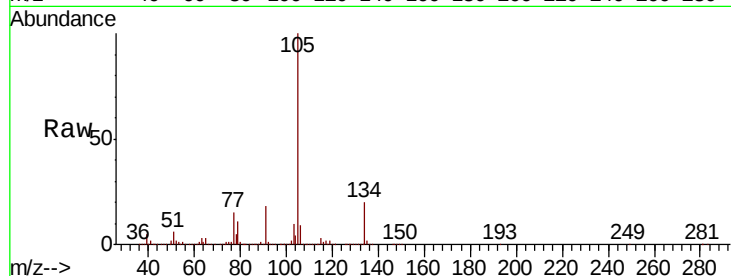
Ion Ratio Lower Upper

105 100

134 19.5 15.8 23.6

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

3000000

2500000

2000000

1500000

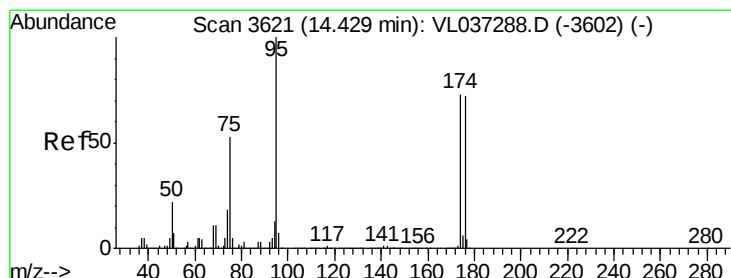
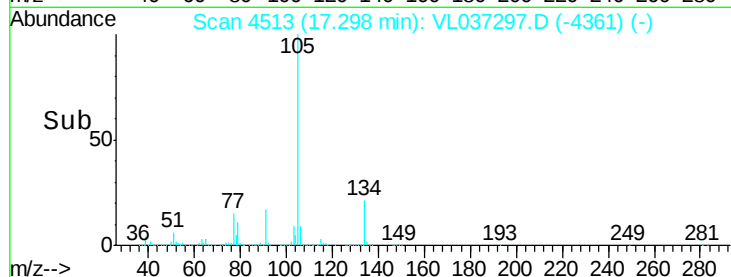
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.591 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

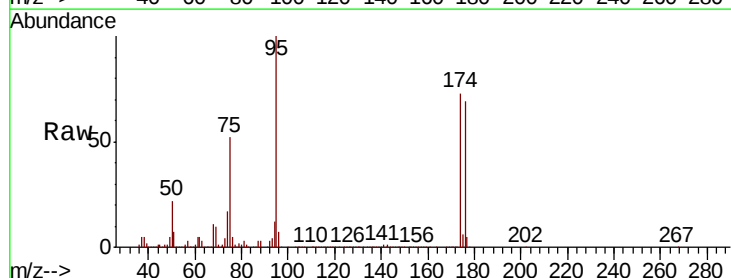
Tgt Ion: 95 Resp: 2720699

Ion Ratio Lower Upper

95 100

174 74.2 59.8 89.6

175 5.5 4.5 6.7



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1500000

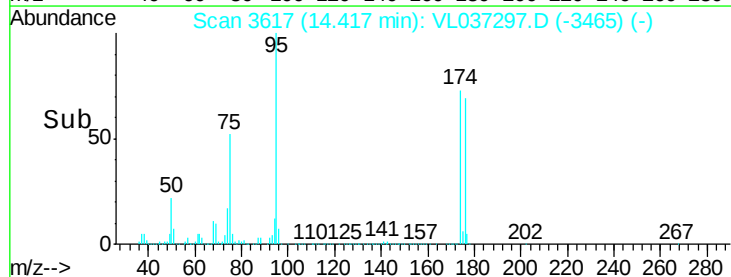
1000000

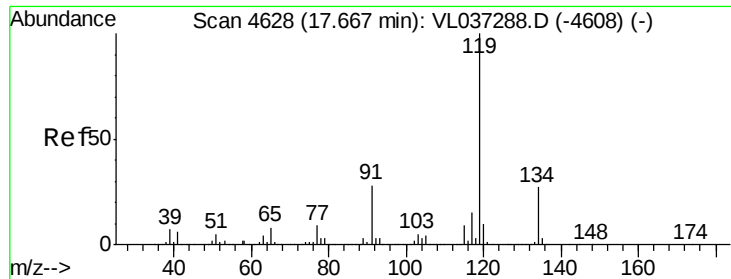
500000

0

14.30 14.40 14.50

Time-->





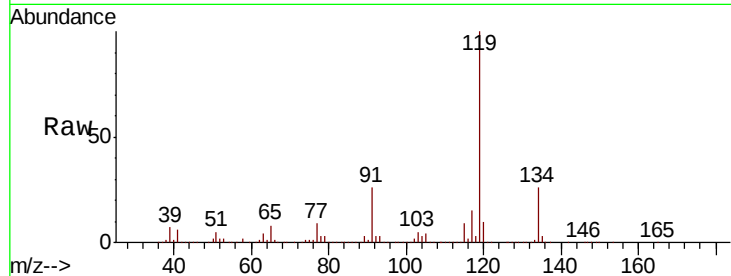
#69
 p-Isopropyltoluene
 Concen: 10.050 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

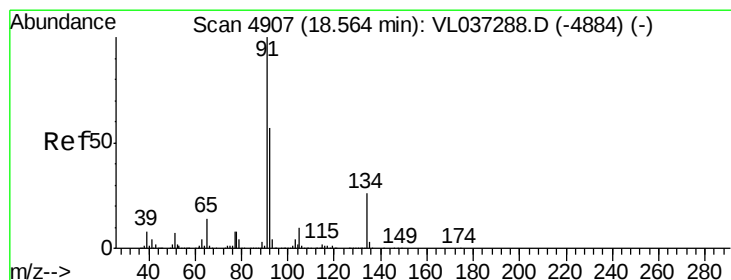
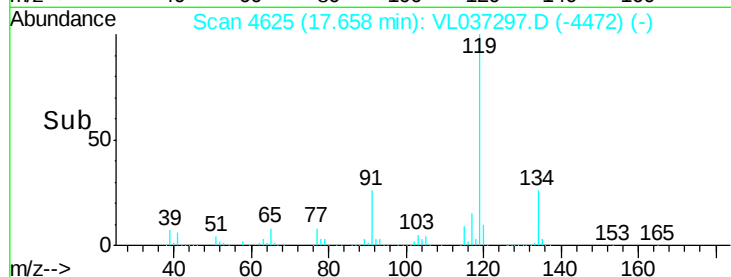
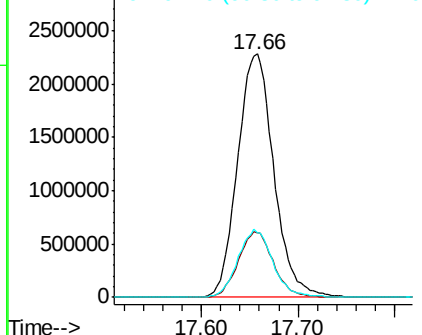
Tot Ion: 119 Resp: 5939420
 Ion Ratio Lower Upper
 119 100
 134 26.3 21.1 31.7
 91 26.9 21.8 32.6

Manual Integrations
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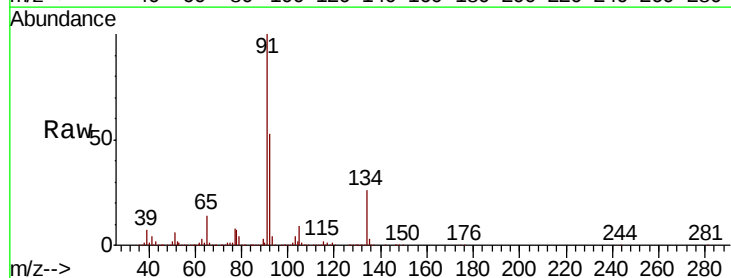


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

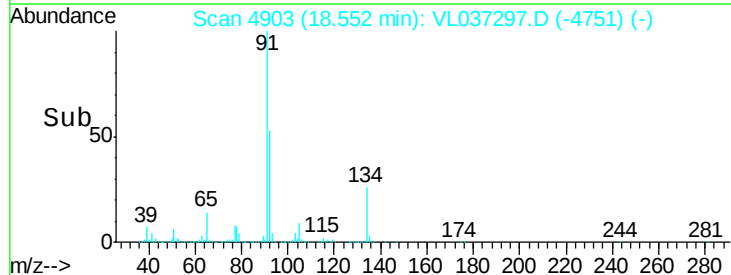
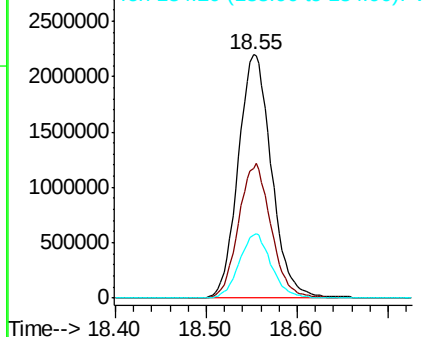


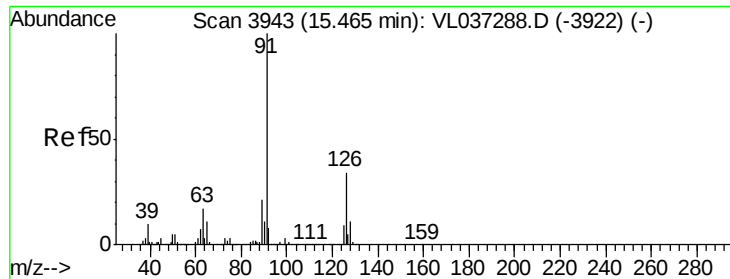
#70
 n-Butylbenzene
 Concen: 10.014 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion: 91 Resp: 5584795
 Ion Ratio Lower Upper
 91 100
 92 54.5 43.6 65.4
 134 25.5 20.3 30.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





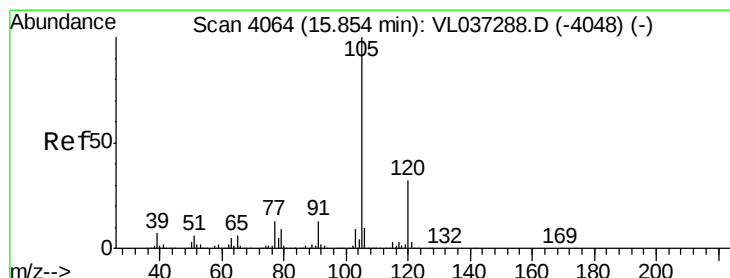
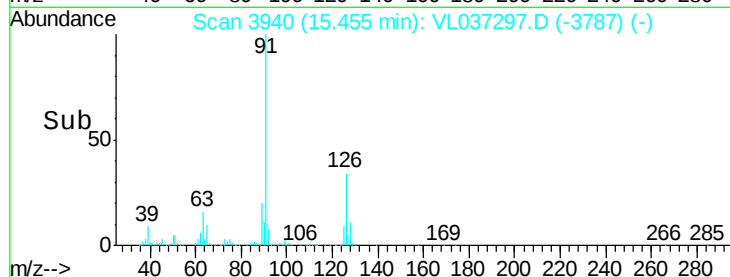
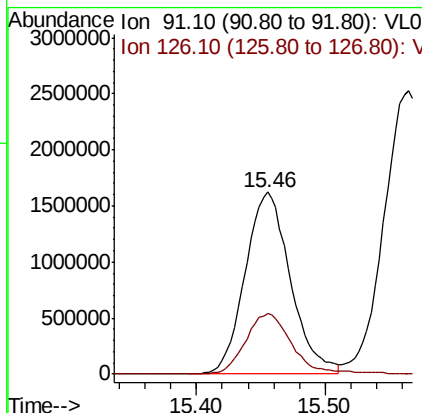
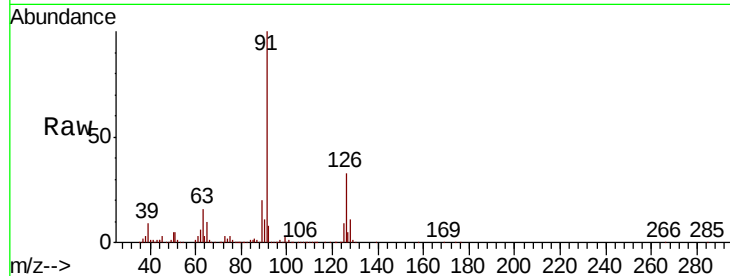
#71
 2-Chlorotoluene
 Concen: 9.855 ppbv
 RT: 15.46 min Scan# 3940
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

Tot Ion: 91 Resp: 3962211
 Ion Ratio Lower Upper
 91 100
 126 34.9 13.8 55.2

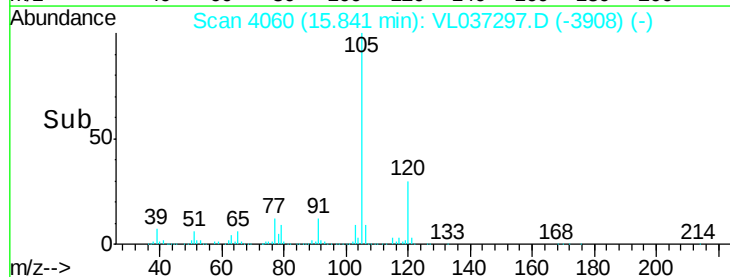
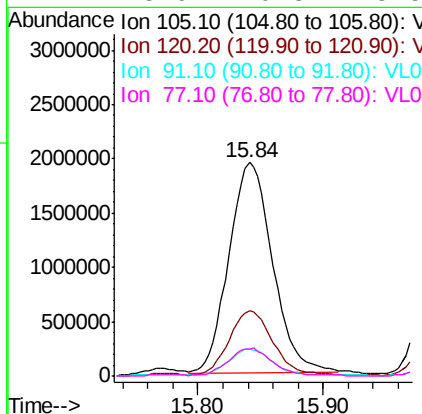
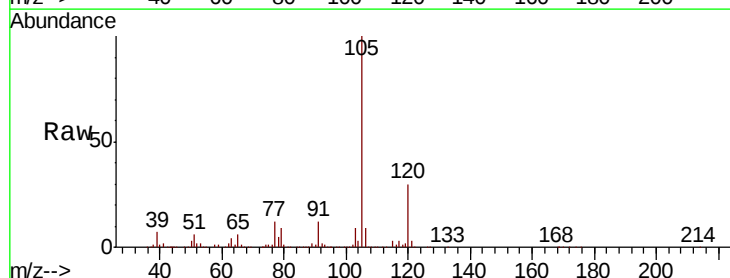
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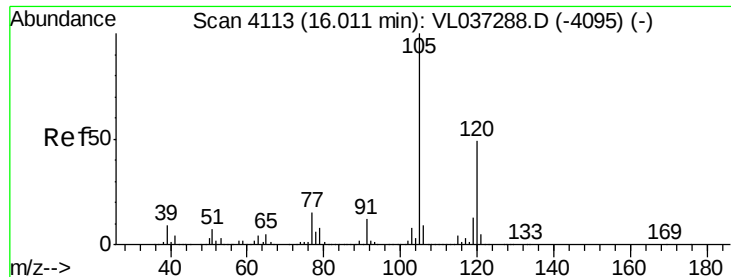
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#72
 4-Ethyltoluene
 Concen: 9.913 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion: 105 Resp: 4688109
 Ion Ratio Lower Upper
 105 100
 120 31.7 24.3 36.5
 91 12.6 9.6 14.4
 77 13.9 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 9.876 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

Tot Ion:105 Resp: 4313634

Ion Ratio Lower Upper

105 100

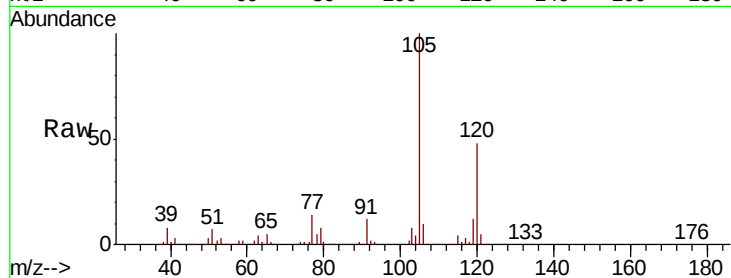
120 48.4 39.0 58.6

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

500000

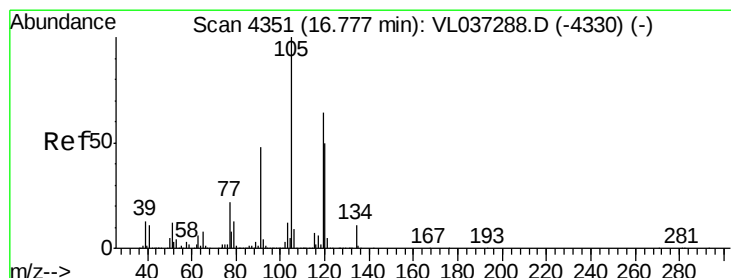
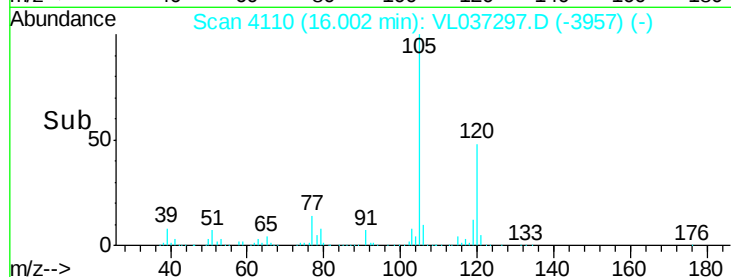
0

15.90

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.645 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Tgt Ion:105 Resp: 4644495

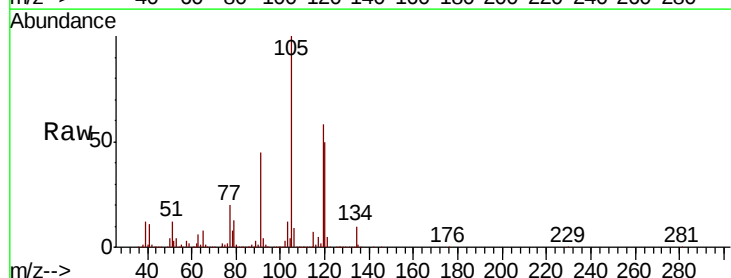
Ion Ratio Lower Upper

105 100

120 49.7 40.2 60.4

91 44.4 39.0 58.6

77 20.2 17.4 26.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

1000000

500000

0

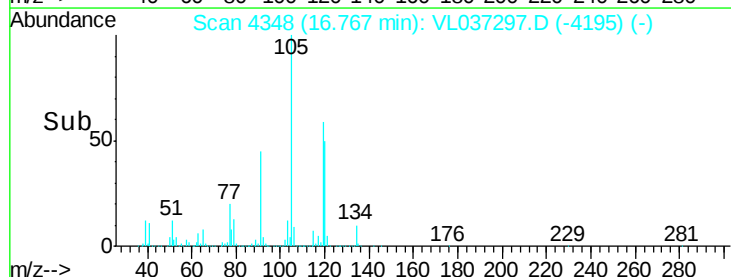
16.70

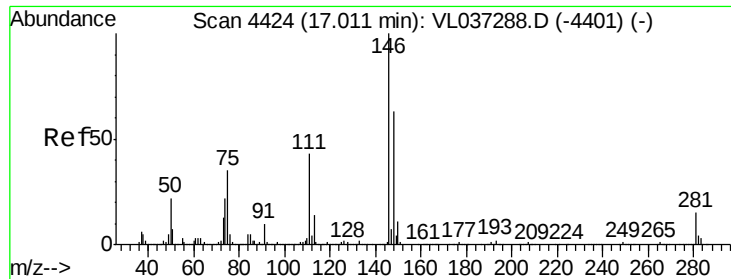
16.77

16.80

16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 10.129 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampled :

VL0730ABS01

Tot Ion:146 Resp: 2932766

Ion Ratio Lower Upper

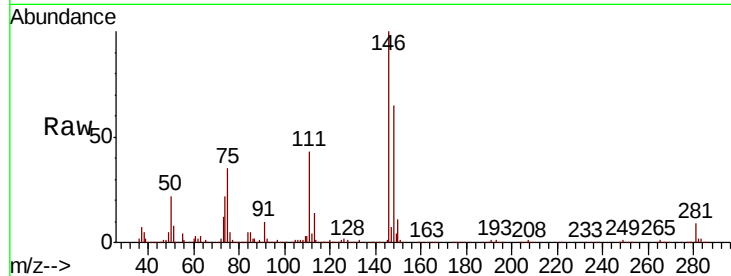
146 100

111 43.5 21.7 65.1

148 64.3 32.3 96.9

Manual Integrations
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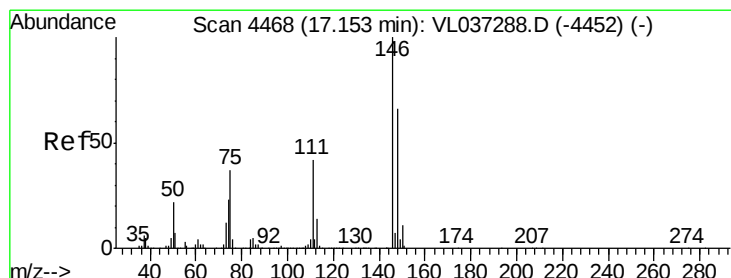
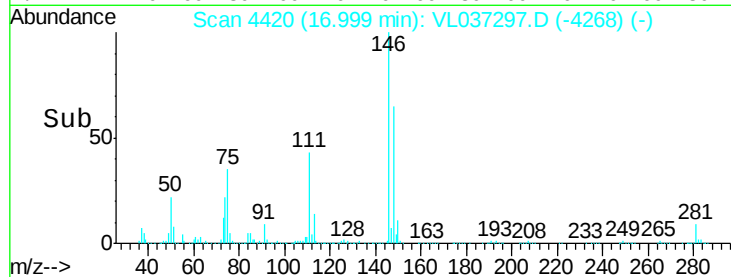
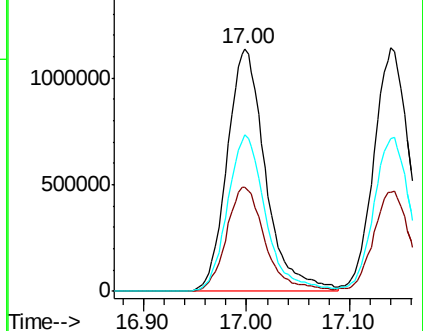
MMDadoda
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.676 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

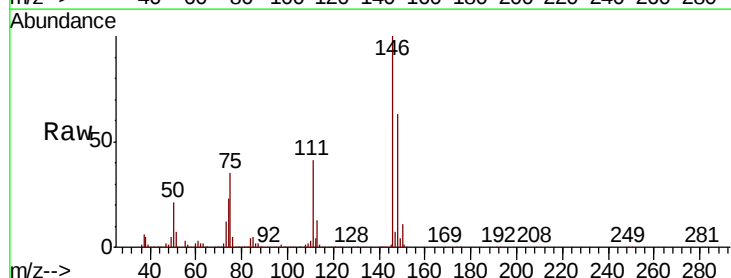
Tgt Ion:146 Resp: 2892483

Ion Ratio Lower Upper

146 100

111 42.2 21.2 63.6

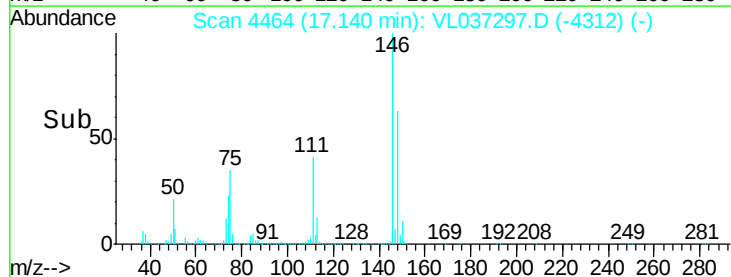
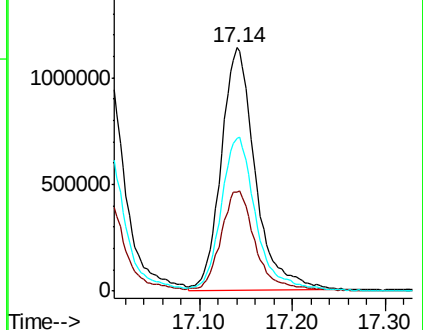
148 64.9 32.9 98.6

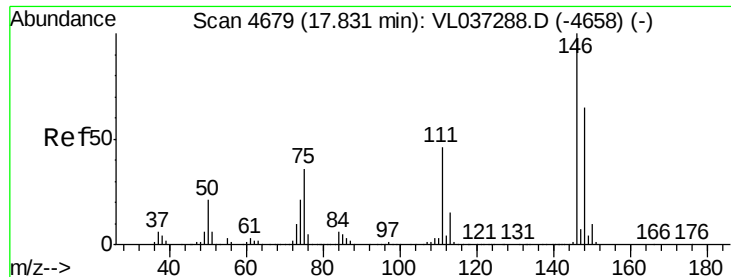


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





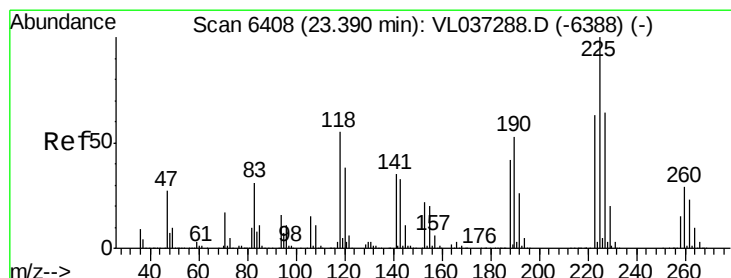
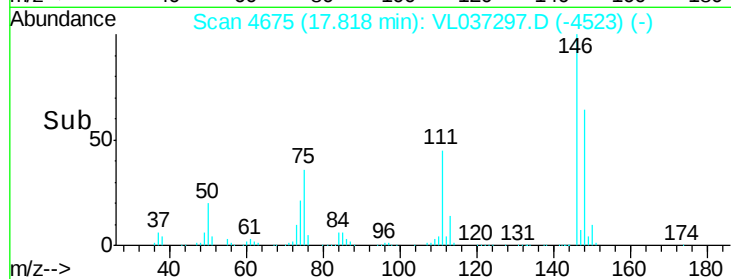
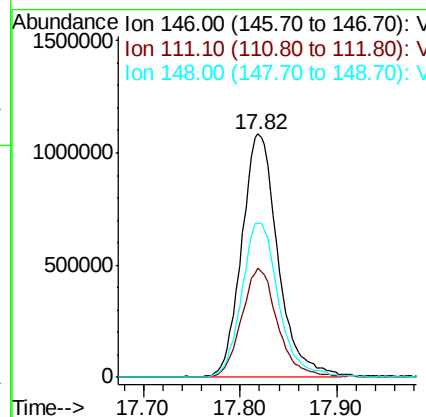
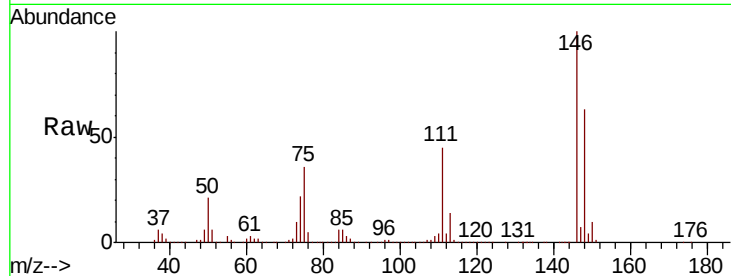
#77
 1,2-Dichlorobenzene
 Concen: 10.102 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Instrument :
 MSVOA_L
 ClientSampled :
 VL0730ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.6	67.7
148	65.2	32.5	97.4

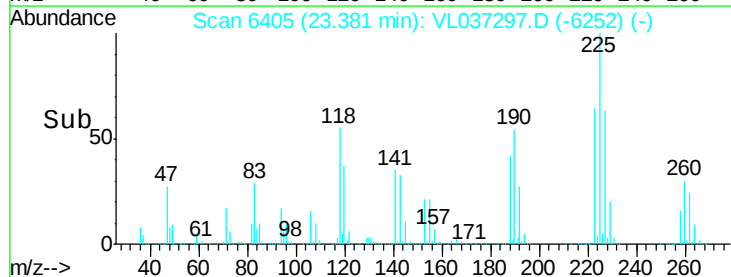
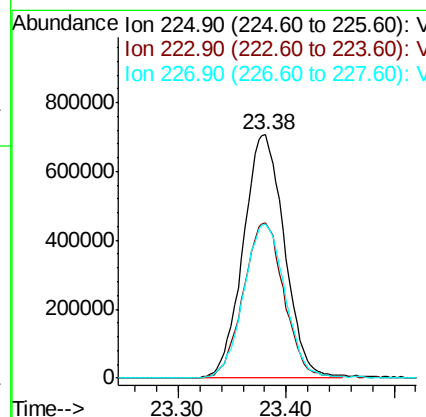
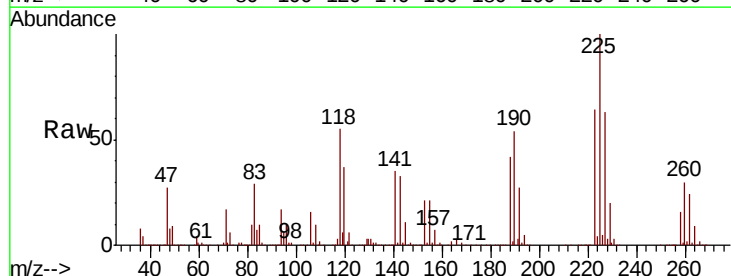
Manual Integrations
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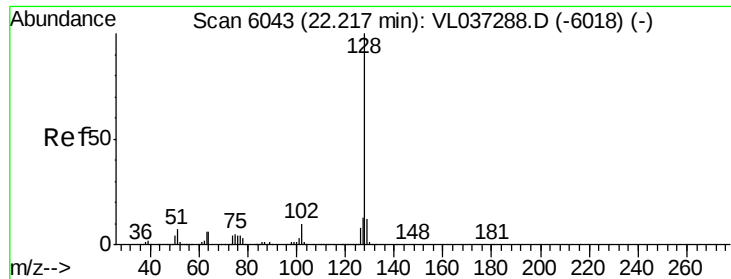
MMDadoda
 8/2/2021 8:58:00 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.994 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.7	77.5
227	64.1	51.8	77.8





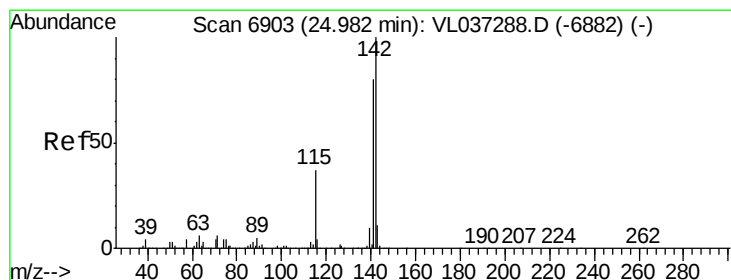
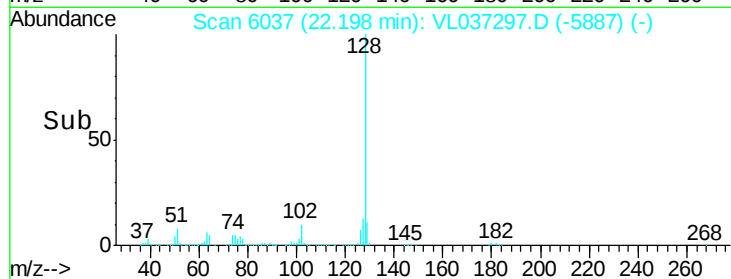
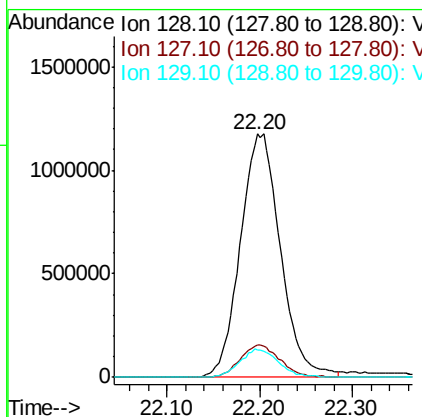
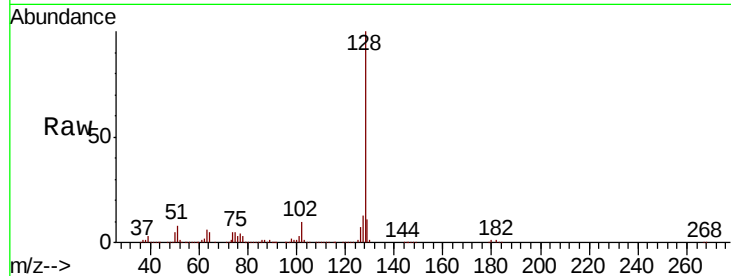
#79
Naphthalene
Concen: 9.382 ppbv
RT: 22.20 min Scan# 6037
Delta R.T. -0.02 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	11.2	9.4	14.2

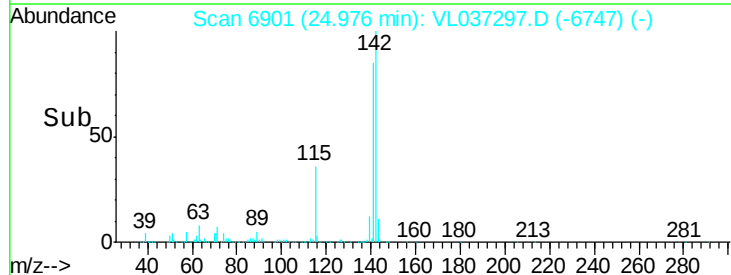
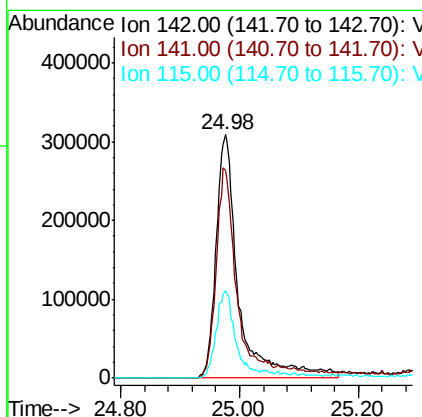
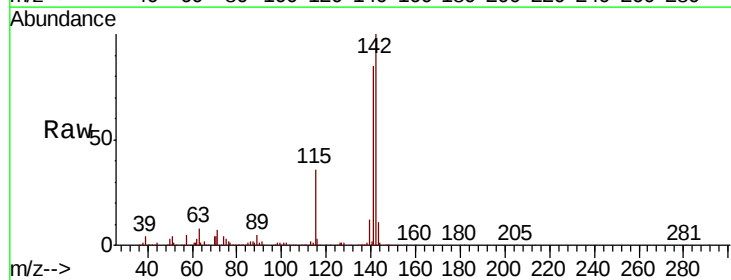
Manual Integrations
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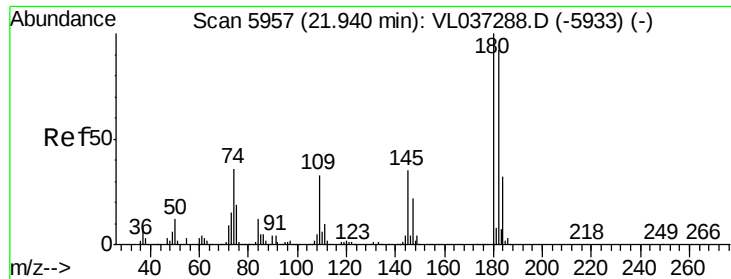
MMDadoda
8/2/2021 8:58:00 AM



#80
Naphthalene, 2-methyl-
Concen: 7.501 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.7	67.0	100.6
115	35.1	28.6	42.8





#81
 1,2,4-Trichlorobenzene
 Concen: 9.356 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	80.8	121.2
184	30.4	25.4	38.2

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:58:00 AM

