

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032921\
 Data File : VL036538.D
 Acq On : 29 Mar 2021 13:12
 Operator : SY/AP
 Sample : VL0329ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0329ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 7:44:02 PM

Quant Time: Mar 30 07:03:13 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	1590776	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3856836	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3589897m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3048638	10.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2465079	9.501	ppbv	97
3) Chlorodifluoromethane	2.98	51	2771287	9.324	ppbv	99
4) Chloromethane	3.14	50	995399	9.482	ppbv	96
5) Vinyl Chloride	3.25	62	989929	9.171	ppbv	96
6) Bromomethane	3.47	94	581413	9.783	ppbv	96
7) Chloroethane	3.56	64	361868	9.756	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	2381244	9.616	ppbv	99
9) Propene	3.01	41	917360	9.682	ppbv	99
10) Heptane	8.12	43	2379746	9.859	ppbv	99
11) Trichlorofluoromethane	3.95	101	2605053	9.852	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1645918	9.736	ppbv	97
13) Ethanol	3.60	45	92228	8.174	ppbv	99
14) Bromoethene	3.74	108	688676	9.799	ppbv	100
15) Acetone	3.85	43	1430672	9.138	ppbv	100
16) 1,3-Butadiene	3.32	39	1009258	9.259	ppbv	95
17) tert-Butyl alcohol	4.29	59	1230664	9.029	ppbv	99
18) 1,1-Dichloroethene	4.29	96	707163	9.404	ppbv	97
19) Isopropyl Alcohol	3.97	45	666075	7.734	ppbv	99
20) Methylene Chloride	4.34	84	607607	8.289	ppbv	95
21) Allyl Chloride	4.41	41	1227357	9.834	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	687740	9.865	ppbv	87
23) Vinyl Acetate	5.08	43	2661489	9.938	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1910969	9.789	ppbv	99
25) Ethyl Acetate	5.68	43	3521709	9.461	ppbv	100
26) Hexane	5.69	57	1682602	9.741	ppbv	99
27) Carbon Disulfide	4.55	76	1830275	10.756	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1987854	9.758	ppbv	99
29) Chloroform	5.75	83	2661559	9.634	ppbv	100
30) Cyclohexane	7.13	84	1406766	10.042	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	1652128	9.888	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	2651159	9.522	ppbv	98
34) 2-Butanone	5.24	43	1790336	9.510	ppbv	99
35) Carbon Tetrachloride	7.02	117	2790184	9.419	ppbv	96
36) Benzene	6.89	78	3423233	9.624	ppbv	98
37) 1,2-Dichloroethane	6.31	62	2002526	9.565	ppbv	99
38) Trichloroethene	7.83	130	1210690	8.746	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1379136	9.558	ppbv	97
40) 1,4-Dioxane	7.83	88	277588	8.266	ppbv #	1
41) Tetrahydrofuran	6.05	42	843992	9.723	ppbv	99
42) Bromodichloromethane	7.79	83	2868238	10.072	ppbv	99
43) Methyl Methacrylate	8.01	69	1256260	10.518	ppbv	99

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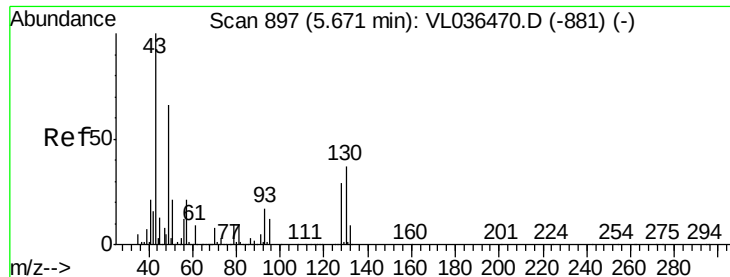
Manual Integrations
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Quant Time: Mar 30 07:03:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5825497	9.305	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1516100	11.116	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1880854	10.788	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1402122	9.594	ppbv	98
48) Dibromochloromethane	10.30	129	2318430	10.406	ppbv	100
49) Bromoform	13.04	173	1896963	10.567	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2745349	10.078	ppbv	100
51) 2-Hexanone	10.14	43	1514575	11.018	ppbv #	99
52) Tetrachloroethene	11.23	164	1154264	8.812	ppbv	98
53) Toluene	9.81	91	3852434	10.170	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2029909	9.835	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1551535	9.555	ppbv	99
57) Chlorobenzene	12.15	112	2827844	9.258	ppbv	99
58) Ethyl Benzene	12.71	91	5191875	9.941	ppbv	100
59) m/p-Xylene	13.00	91	8757951m	19.225	ppbv	
60) o-Xylene	13.70	91	4165416	9.457	ppbv	100
61) Styrene	13.53	104	2455813	11.082	ppbv	100
62) Isopropylbenzene	14.67	105	5554398	9.364	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3007028	8.949	ppbv	100
64) n-propylbenzene	15.56	120	1472262	10.152	ppbv	99
65) tert-Butylbenzene	16.75	119	4797544	9.327	ppbv	99
66) Benzyl Chloride	16.99	91	701050	12.331	ppbv	99
67) sec-Butylbenzene	17.30	105	6745477	9.291	ppbv	100
69) p-Isopropyltoluene	17.66	119	5564026	9.814	ppbv	100
70) n-Butylbenzene	18.55	91	5745721	9.774	ppbv	100
71) 2-Chlorotoluene	15.46	91	4327905	9.737	ppbv	100
72) 4-Ethyltoluene	15.84	105	4832140	10.012	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4368433	9.697	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	4503771	9.343	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	2556861	9.423	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2469237	9.165	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2449598	9.604	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1856584	8.128	ppbv	99
79) Naphthalene	22.20	128	3143656	11.176	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	645308	11.633	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	1803484	10.384	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

VL0329ABS01

Tot Ion: 49 Resp: 1590776

Ion Ratio Lower Upper

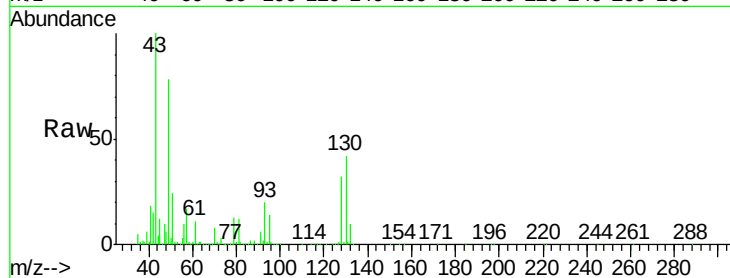
49 100

128 46.7 23.5 70.6

130 58.0 29.1 87.4

Manual Integrations
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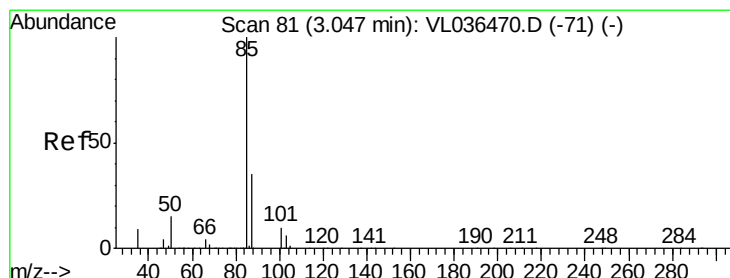
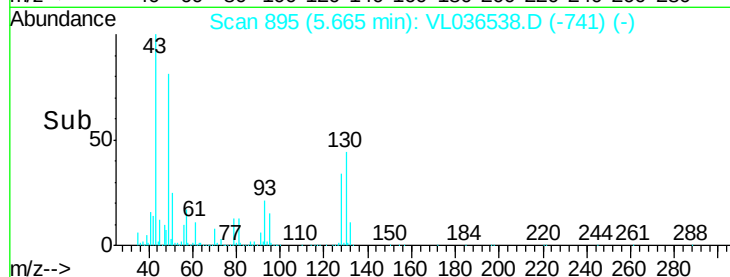
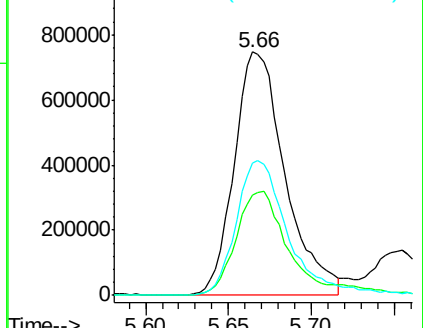
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.501 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL036538.D

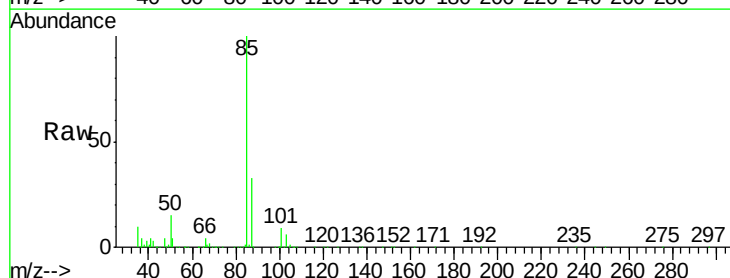
Acq: 29 Mar 2021 13:12

Tgt Ion: 85 Resp: 2465079

Ion Ratio Lower Upper

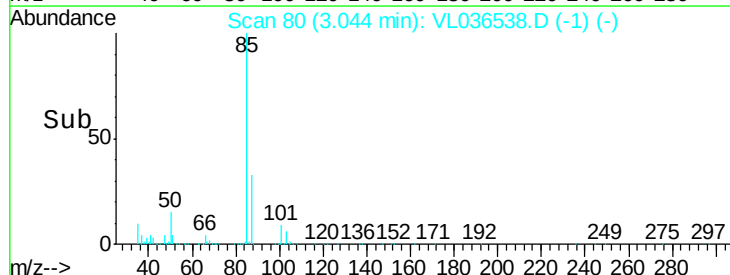
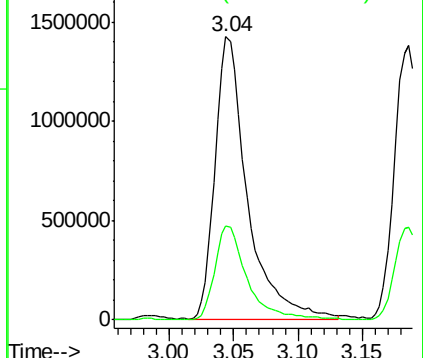
85 100

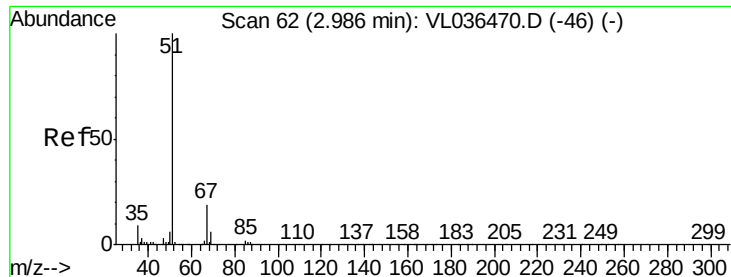
87 33.3 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.324 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Tot Ion: 51 Resp: 2771287

Ion Ratio Lower Upper

51 100

67 18.8 14.7 22.1

Instrument :

MSVOA_L

ClientSampleId :

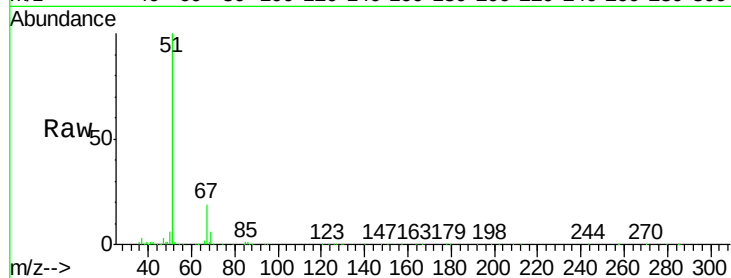
VL0329ABS01

Manual Integrations

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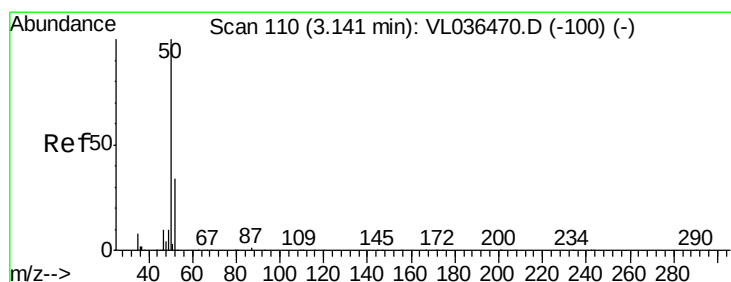
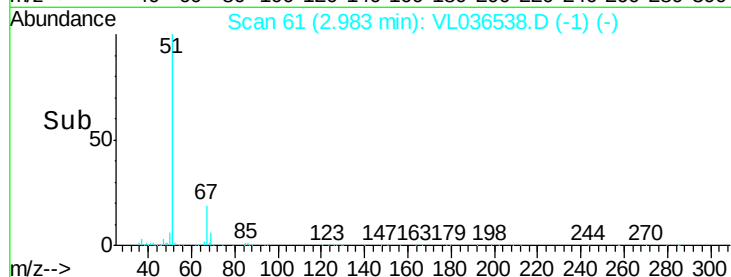
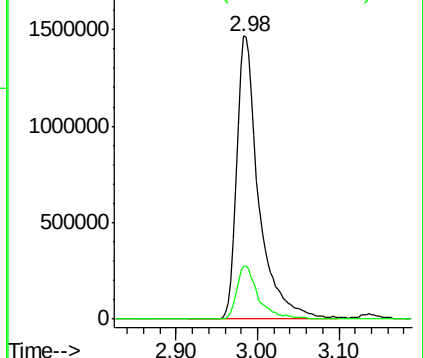
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.482 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL036538.D

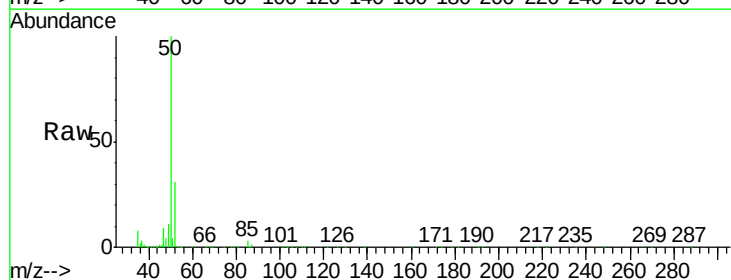
Acq: 29 Mar 2021 13:12

Tgt Ion: 50 Resp: 995399

Ion Ratio Lower Upper

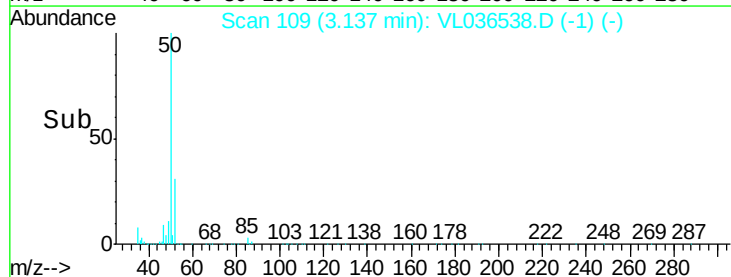
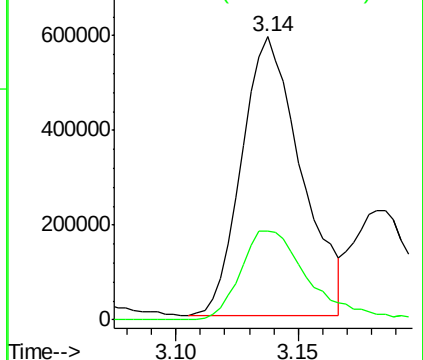
50 100

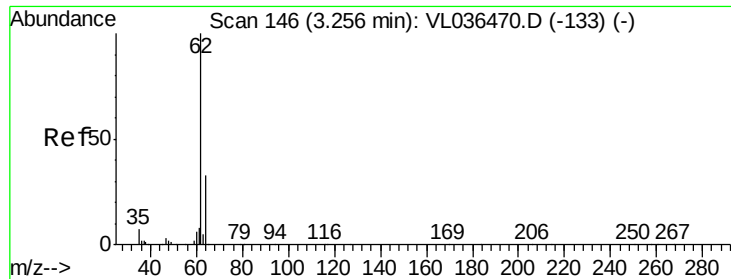
52 31.5 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.171 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

VL0329ABS01

Tot Ion: 62 Resp: 989929

Ion Ratio Lower Upper

62 100

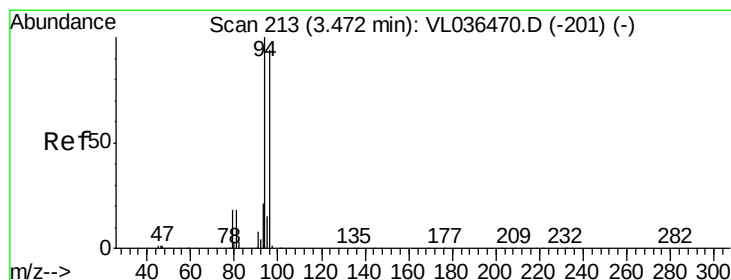
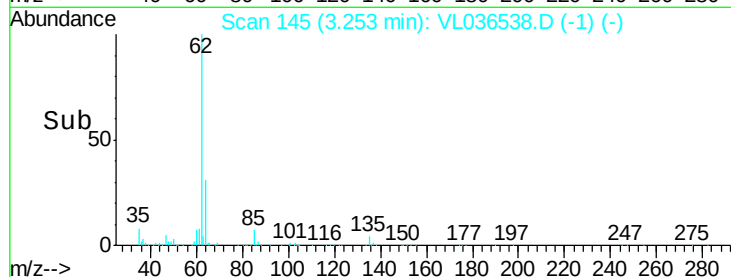
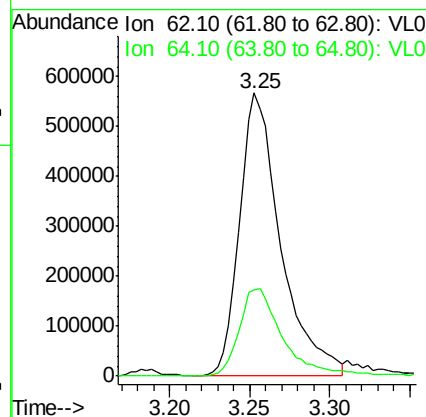
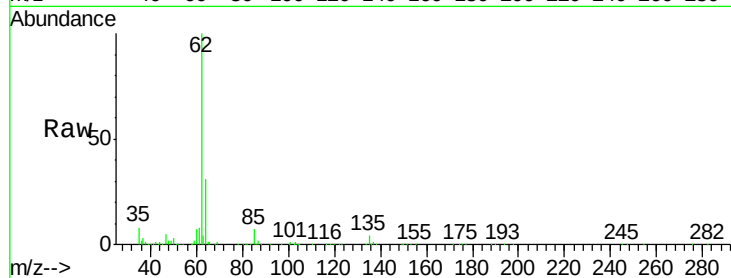
64 30.7 26.4 39.6

Manual Integrations

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#6

Bromomethane

Concen: 9.783 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL036538.D

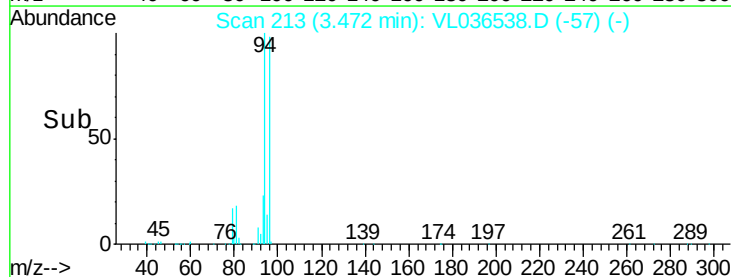
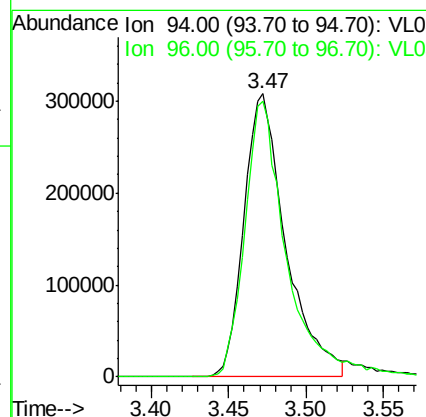
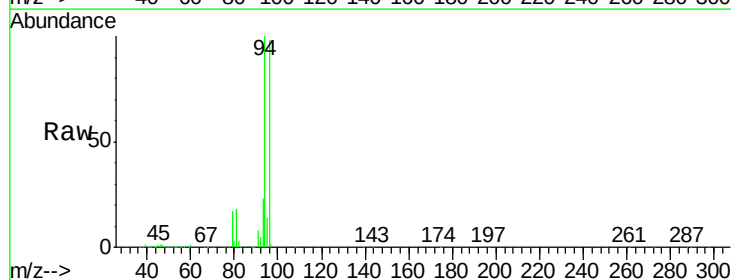
Acq: 29 Mar 2021 13:12

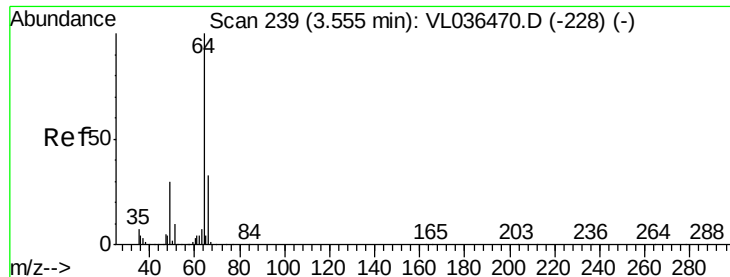
Tgt Ion: 94 Resp: 581413

Ion Ratio Lower Upper

94 100

96 97.6 74.9 112.3





#7

Chloroethane

Concen: 9.756 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

VL0329ABS01

Tot Ion: 64 Resp: 361868

Ion Ratio Lower Upper

64 100

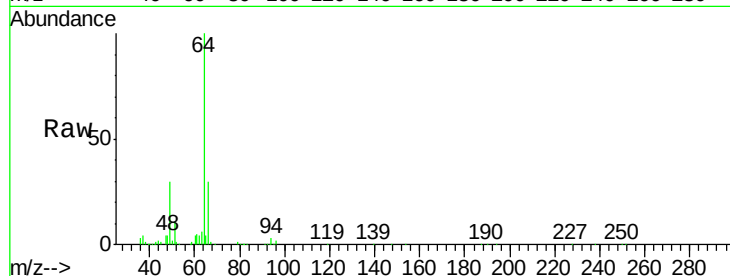
66 30.1 26.2 39.2

Manual Integrations

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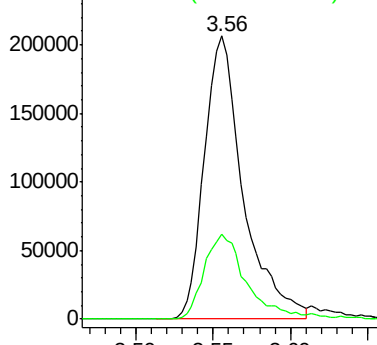
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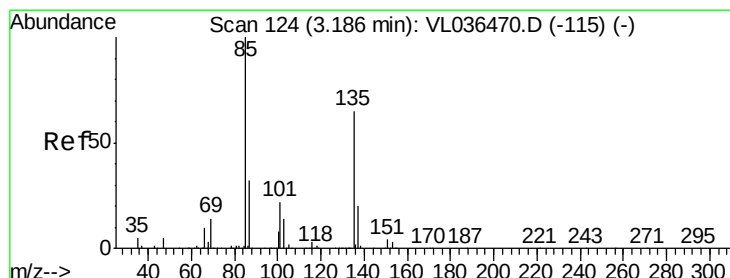
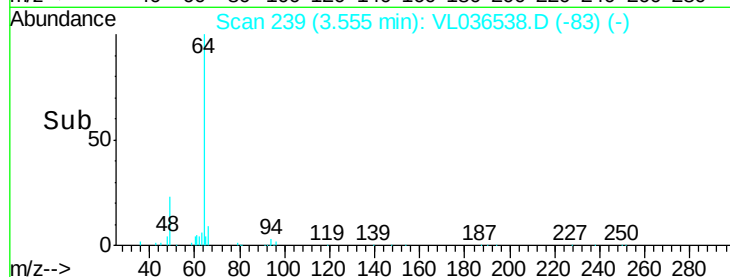


Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.616 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL036538.D

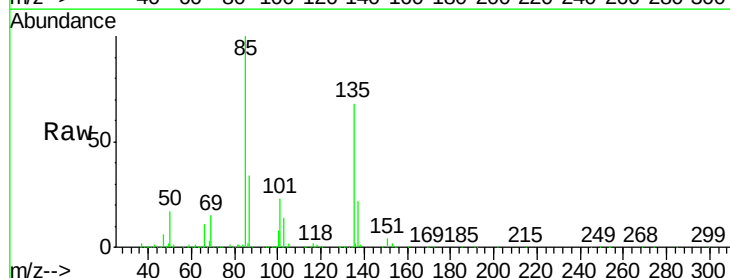
Acq: 29 Mar 2021 13:12

Tgt Ion: 85 Resp: 2381244

Ion Ratio Lower Upper

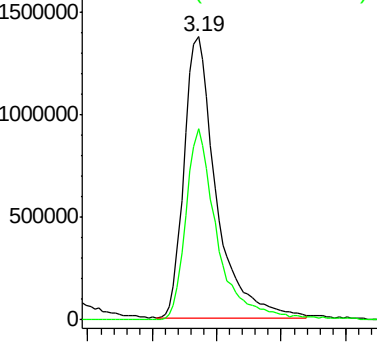
85 100

135 67.1 54.3 81.5

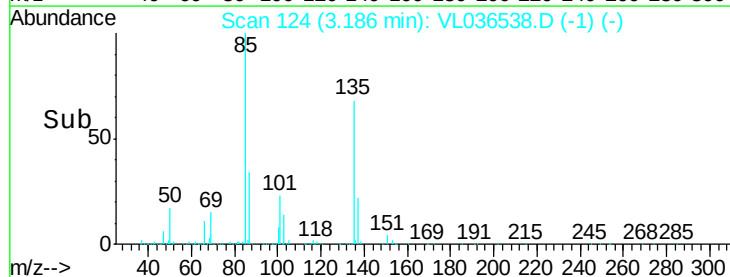


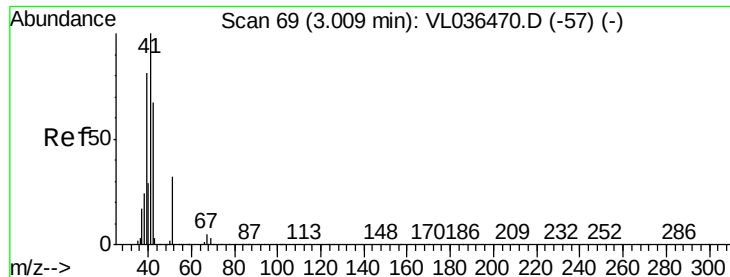
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



Time-->





#9

Propene

Concen: 9.682 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

VL0329ABS01

Tot Ion: 41 Resp: 917360

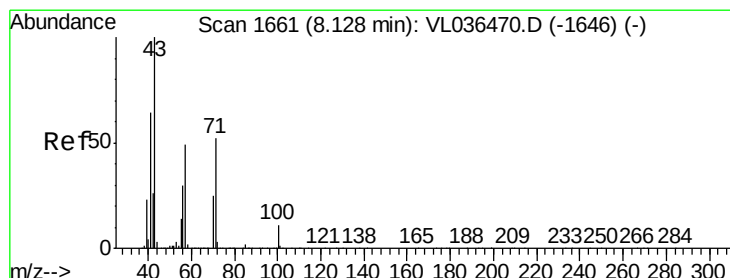
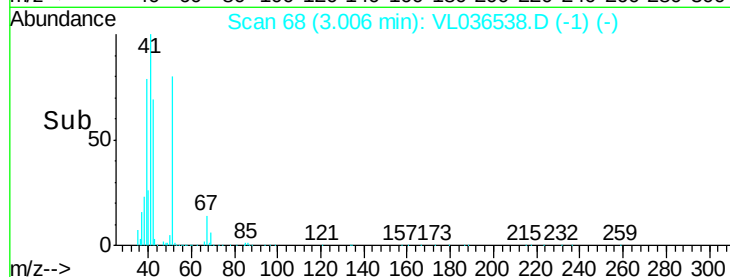
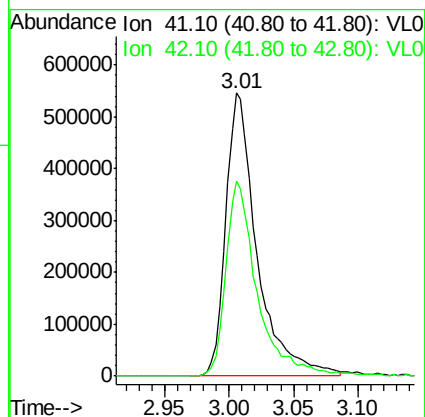
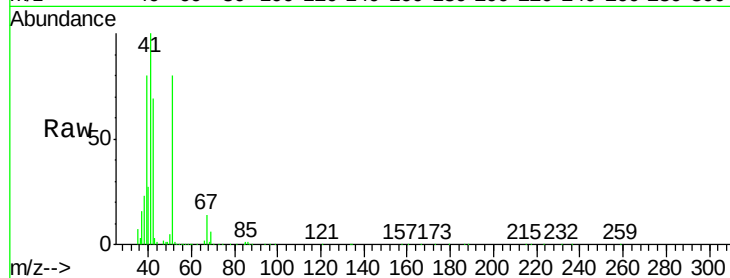
Ion Ratio Lower Upper

41 100

42 70.0 57.0 85.4

Manual Integrations
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#10

Heptane

Concen: 9.859 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL036538.D

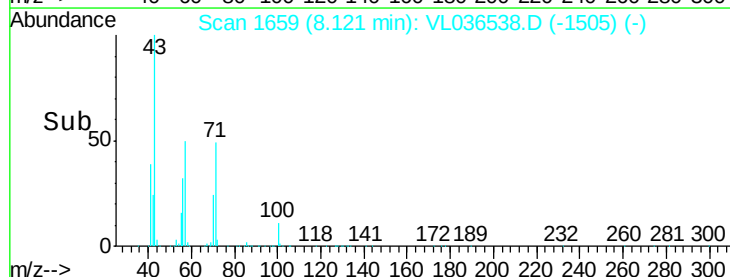
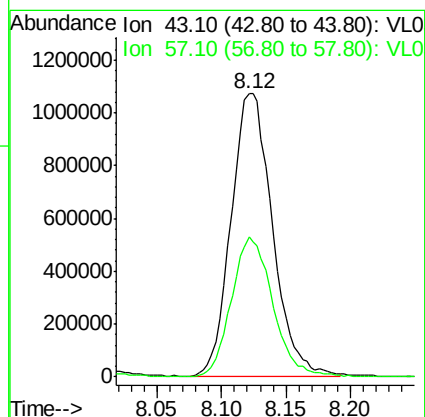
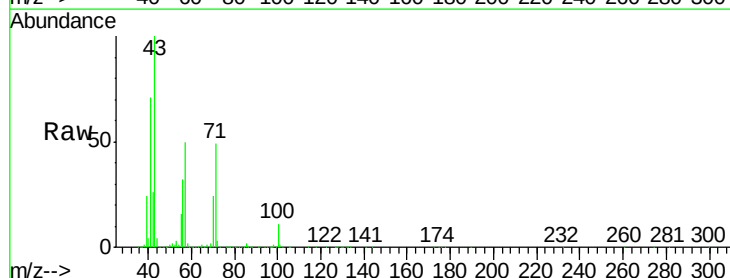
Acq: 29 Mar 2021 13:12

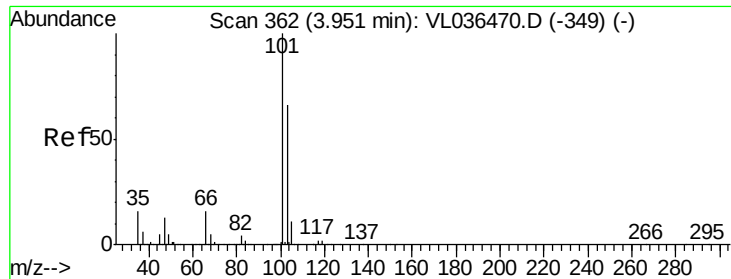
Tgt Ion: 43 Resp: 2379746

Ion Ratio Lower Upper

43 100

57 49.8 39.0 58.6





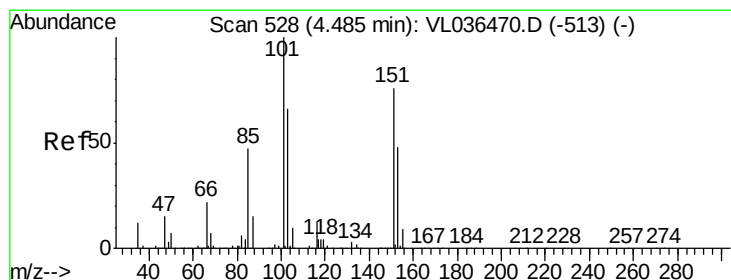
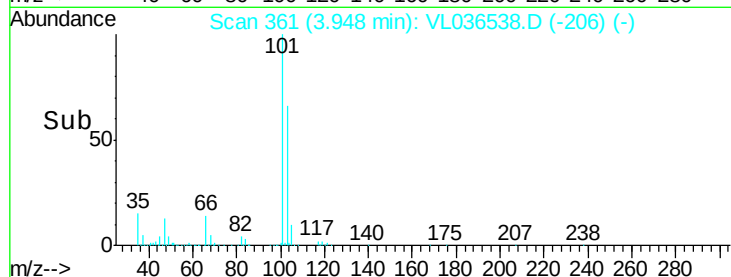
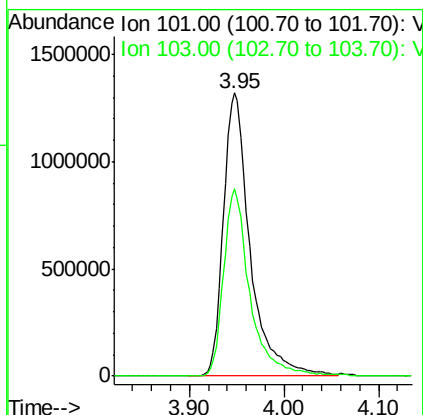
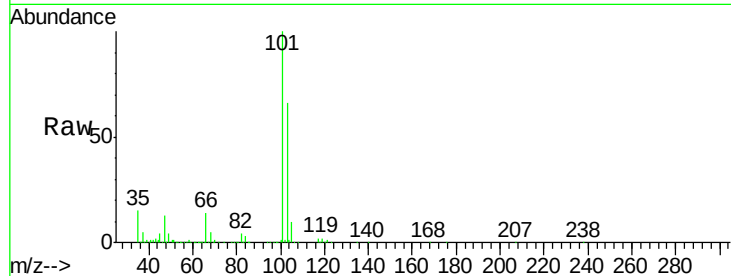
#11
 Trichlorofluoromethane
 Concen: 9.852 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0329ABS01

Tot Ion:101 Resp: 2605053
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.5 78.7

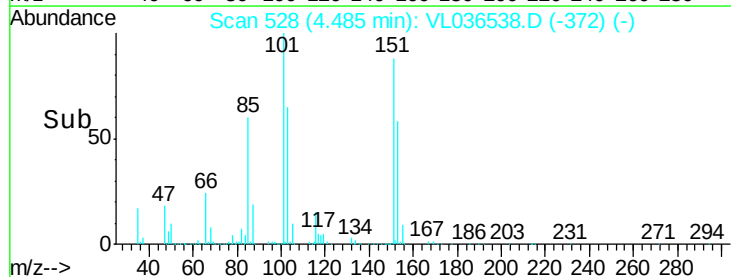
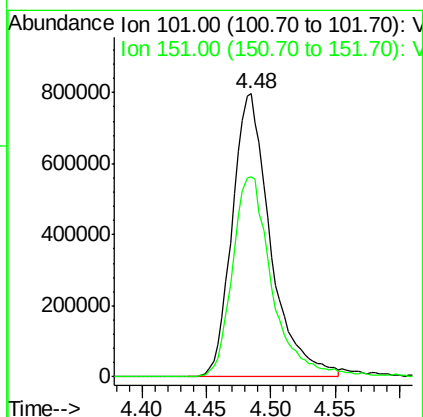
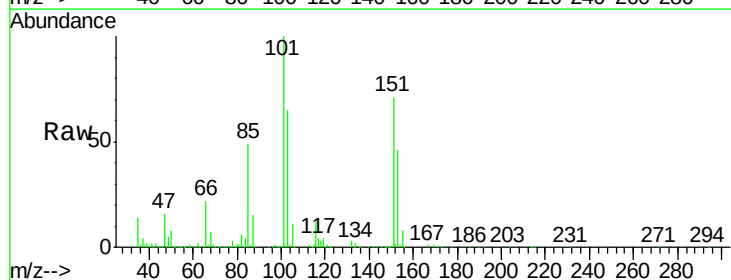
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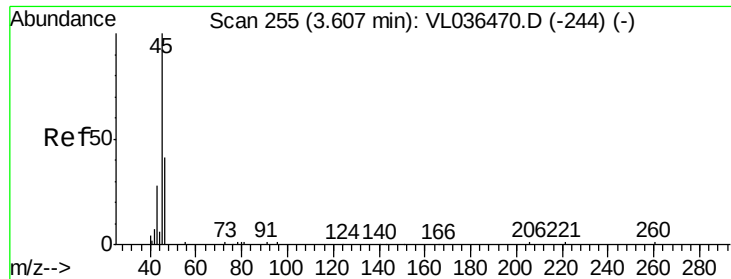
MMDadoda
 3/30/2021 7:44:02 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.736 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Tgt Ion:101 Resp: 1645918
 Ion Ratio Lower Upper
 101 100
 151 73.9 60.9 91.3





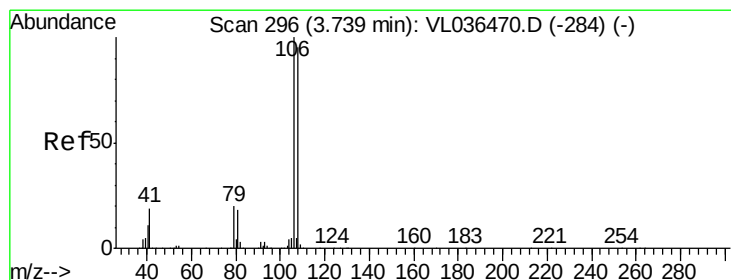
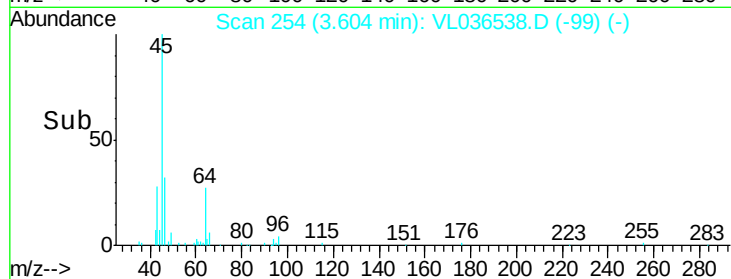
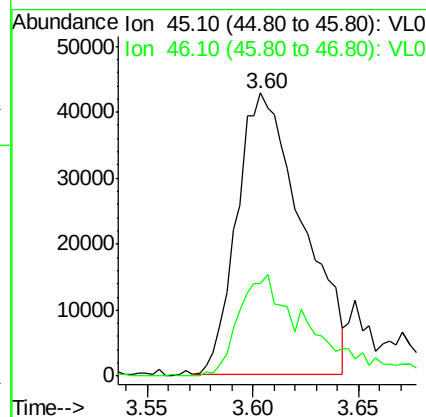
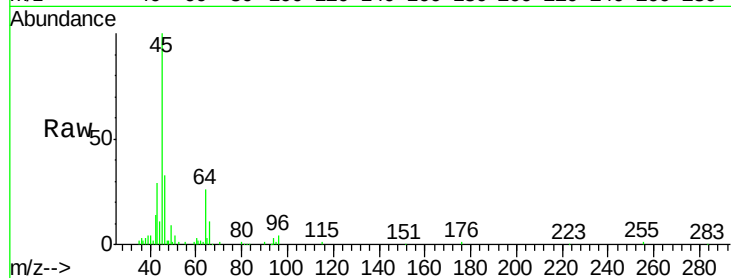
#13
Ethanol
Concen: 8.174 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampleId :
VL0329ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	42.2	16.6	66.2

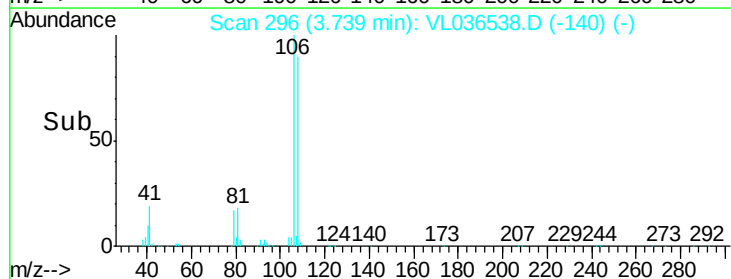
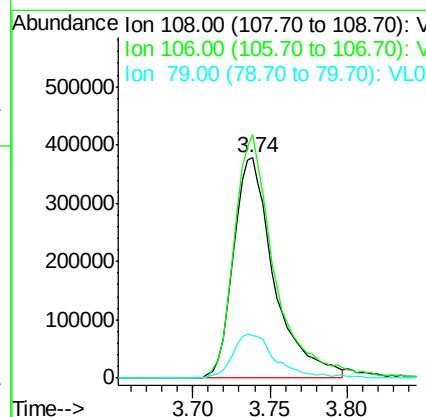
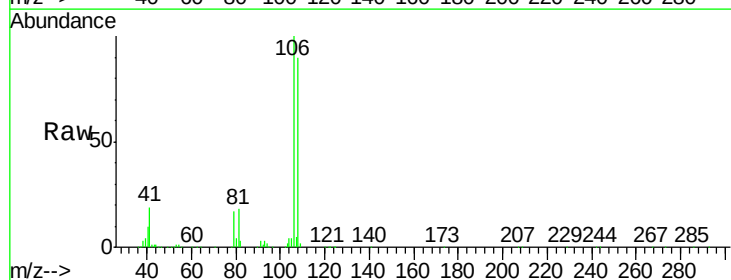
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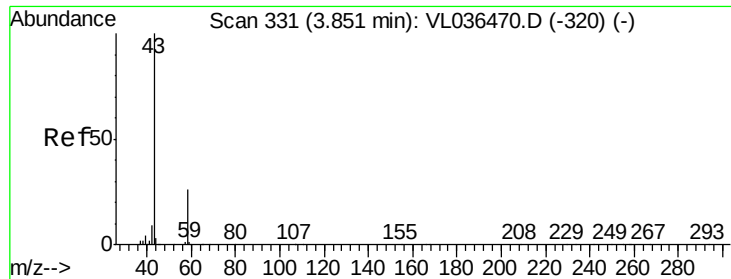
MMDadoda
3/30/2021 7:44:02 PM



#14
Bromoethene
Concen: 9.799 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion	Ratio	Lower	Upper
108	100		
106	111.4	89.0	133.6
79	21.7	16.6	25.0





#15

Acetone

Concen: 9.138 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

VL0329ABS01

Tot Ion: 43 Resp: 1430672

Ion Ratio Lower Upper

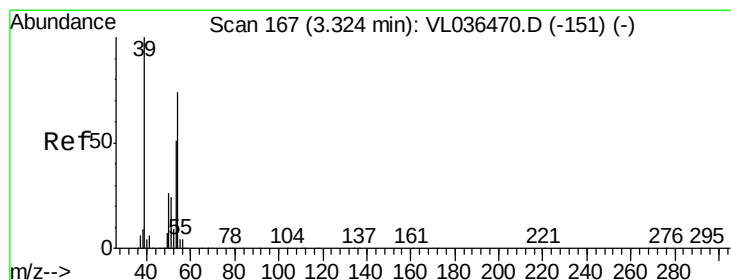
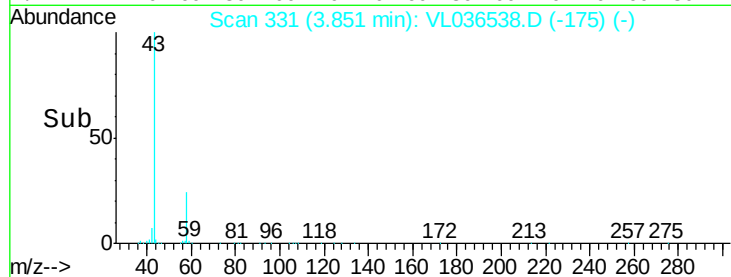
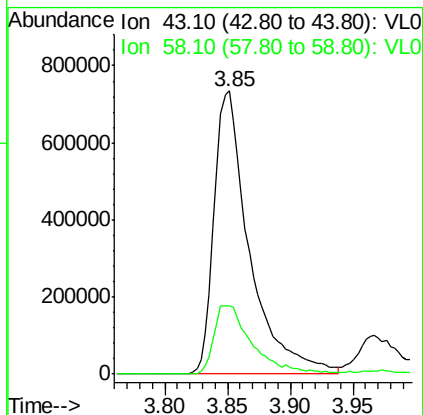
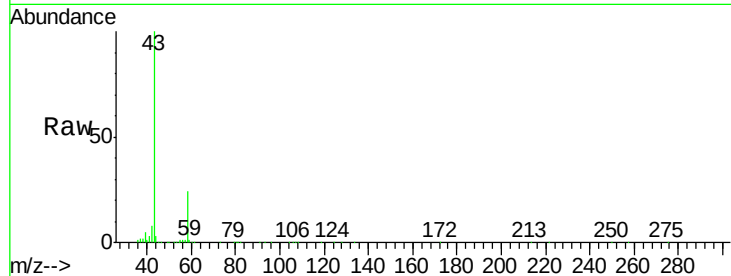
43 100

58 26.7 21.2 31.8

Manual Integrations
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#16

1,3-Butadiene

Concen: 9.259 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL036538.D

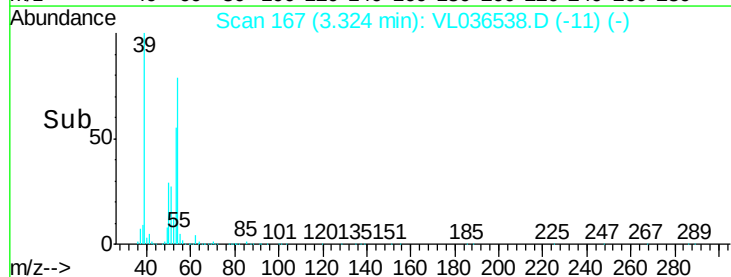
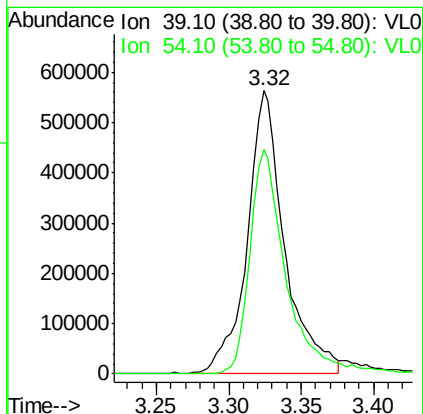
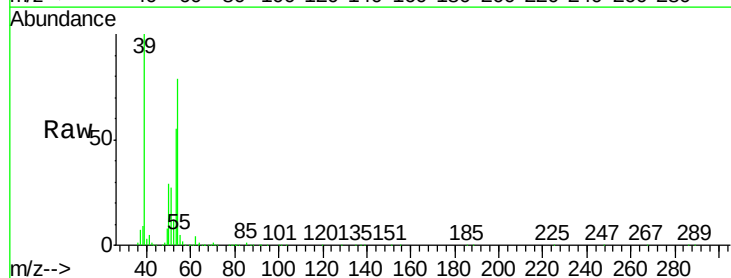
Acq: 29 Mar 2021 13:12

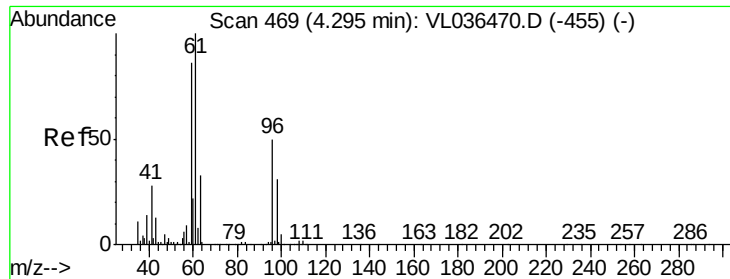
Tgt Ion: 39 Resp: 1009258

Ion Ratio Lower Upper

39 100

54 77.5 58.8 88.2





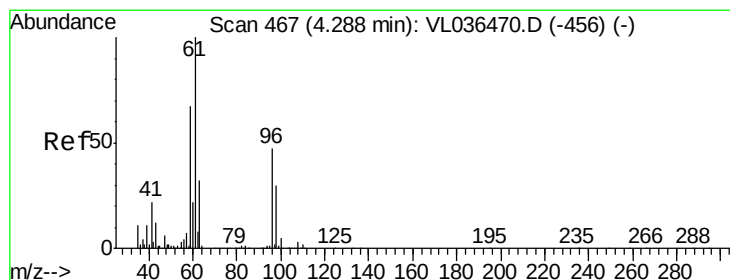
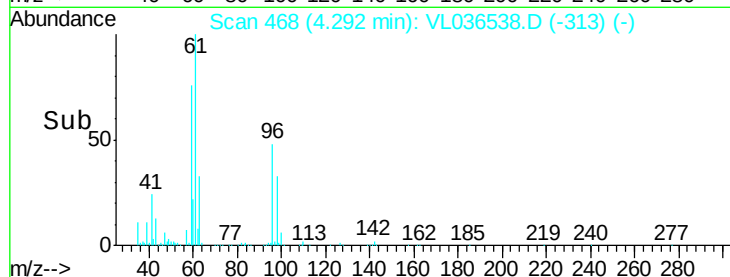
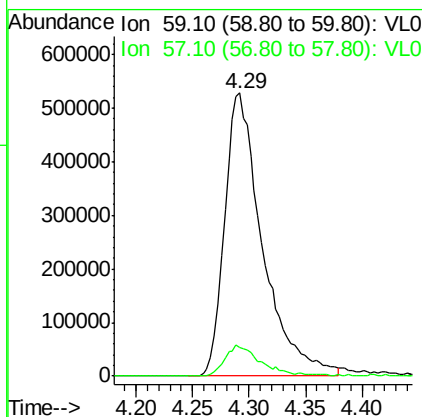
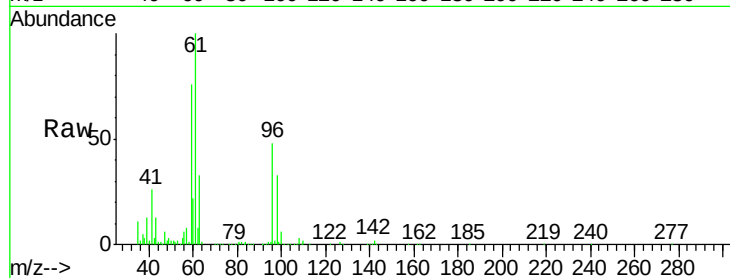
#17
tert-Butyl alcohol
Concen: 9.029 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampleId :
VL0329ABS01

Tot Ion: 59 Resp: 1230664
Ion Ratio Lower Upper
59 100
57 11.2 8.6 12.8

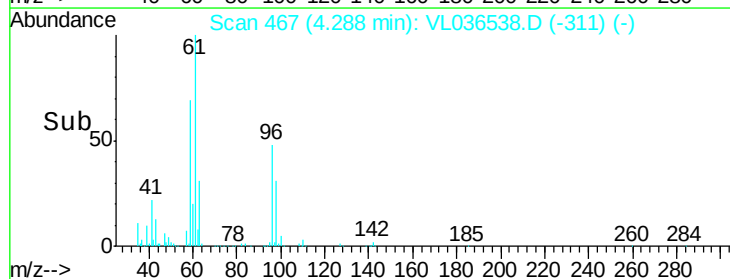
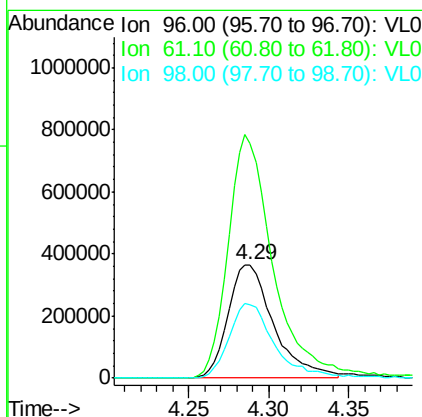
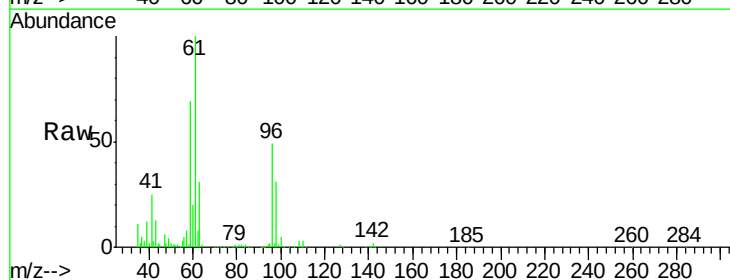
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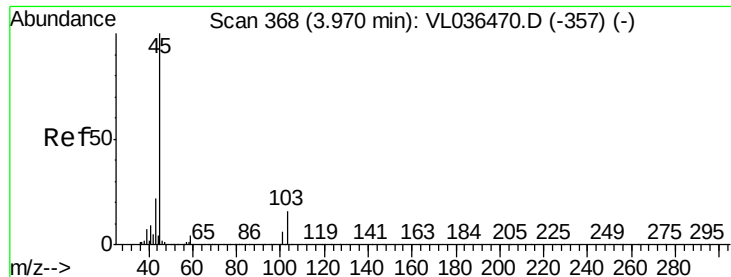
MMDadoda
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#18
1,1-Dichloroethene
Concen: 9.404 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion: 96 Resp: 707163
Ion Ratio Lower Upper
96 100
61 206.0 168.6 253.0
98 64.5 50.8 76.2





#19

Isopropyl Alcohol

Concen: 7.734 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

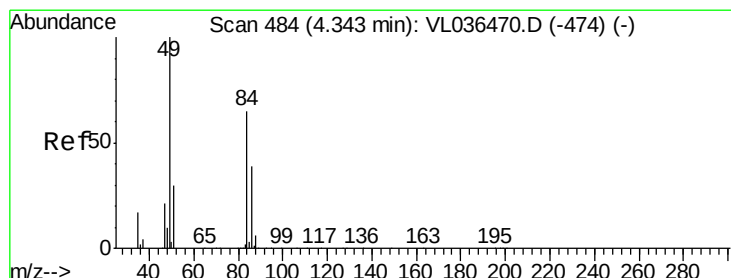
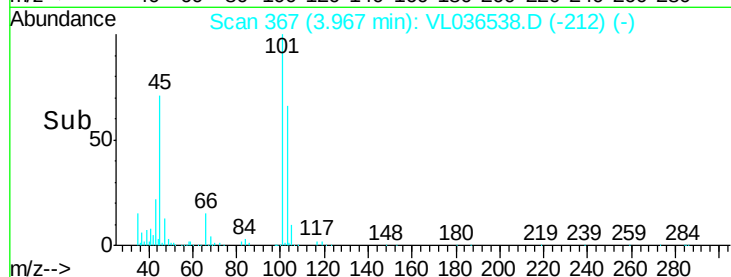
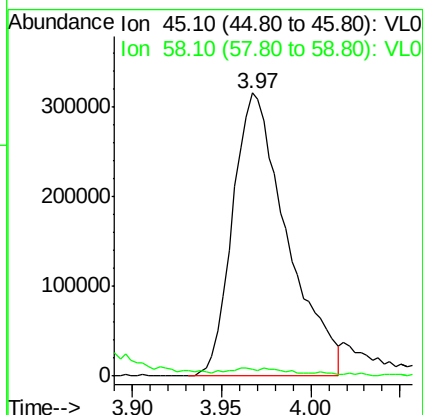
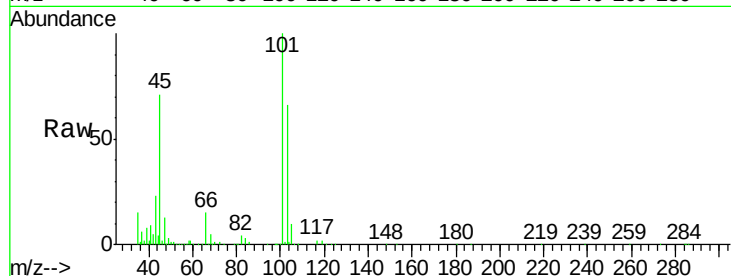
ClientSampleId :

VL0329ABS01

Tot Ion	45	58	Ratio	100	4.0	Resp	666075	Lower	2.9	Upper	4.3
Ion	45	58	Ratio	100	4.0	Resp	666075	Lower	2.9	Upper	4.3

Manual Integrations
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#20

Methylene Chloride

Concen: 8.289 ppbv

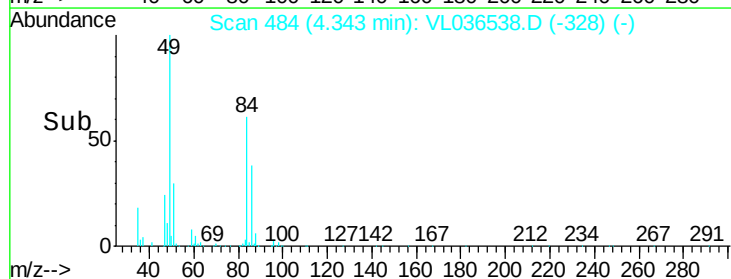
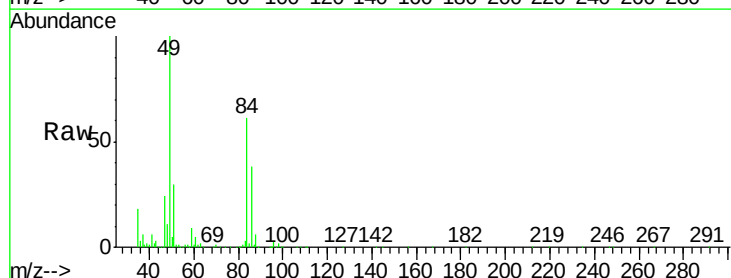
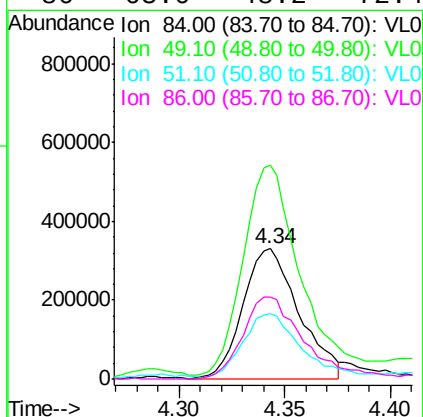
RT: 4.34 min Scan# 484

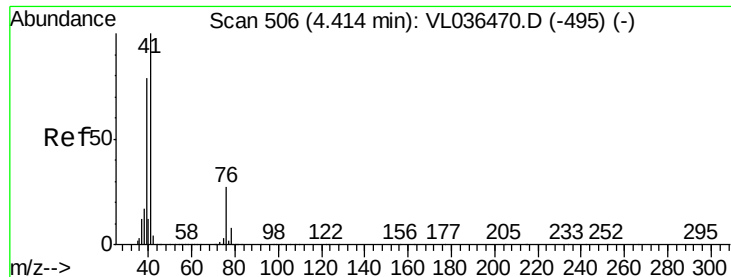
Delta R.T. 0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Tgt Ion	84	49	51	86	Ratio	100	161.5	47.9	63.0	Resp	607607	Lower	122.9	36.9	48.2	Upper	184.3	55.3	72.4
Ion	84	49	51	86	Ratio	100	161.5	47.9	63.0	Resp	607607	Lower	122.9	36.9	48.2	Upper	184.3	55.3	72.4





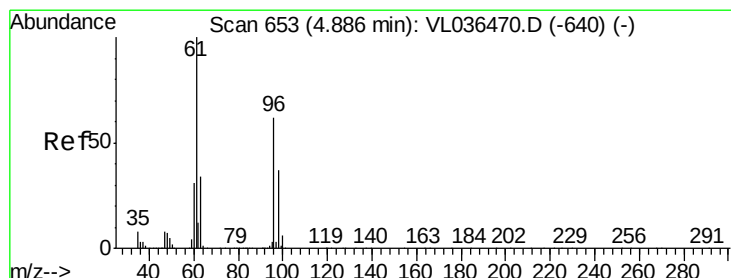
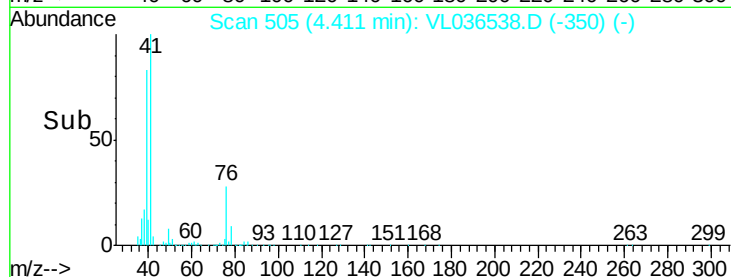
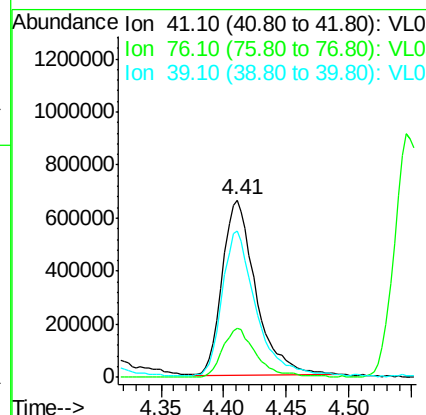
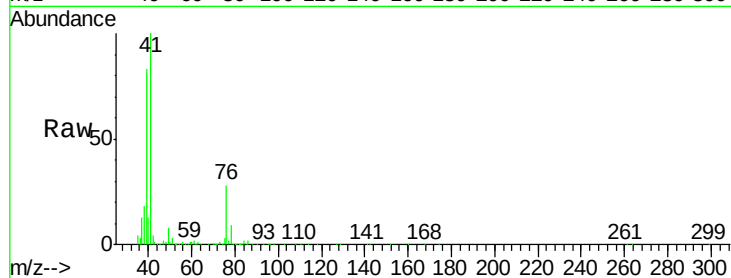
#21
Allvl Chloride
Concen: 9.834 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampleId :
VL0329ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.4	22.9	34.3
39	87.1	67.3	100.9

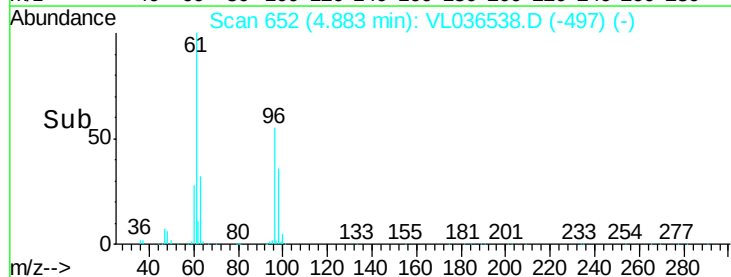
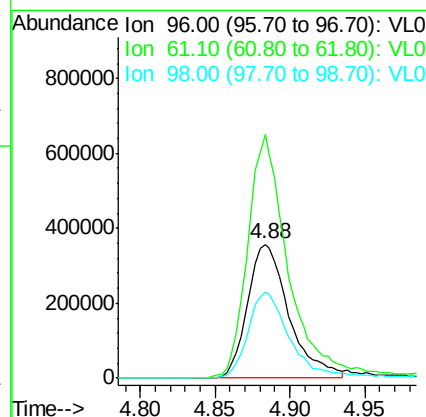
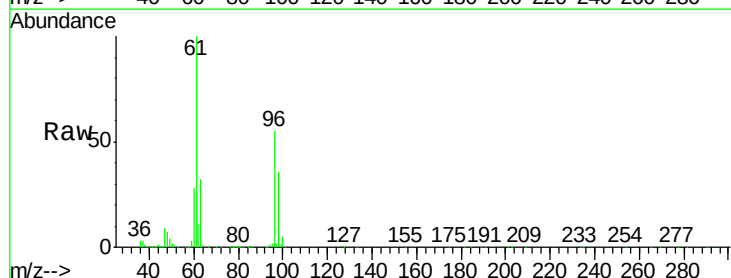
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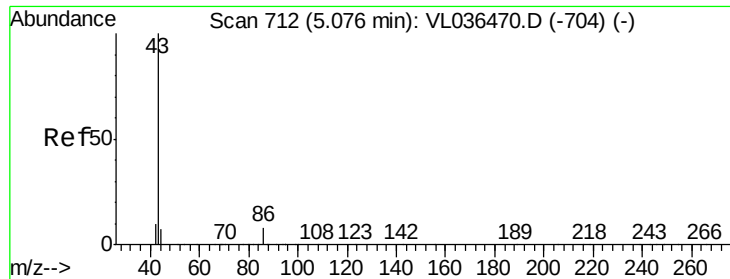
MMDadoda
3/30/2021 7:44:02 PM



#22
trans-1,2-Dichloroethene
Concen: 9.865 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.3	129.4	194.0
98	64.8	48.2	72.4





#23

Vinyl Acetate

Concen: 9.938 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

VL0329ABS01

Tot Ion: 43 Resp: 2661489

Ion Ratio Lower Upper

43 100

86 6.0 5.4 8.0

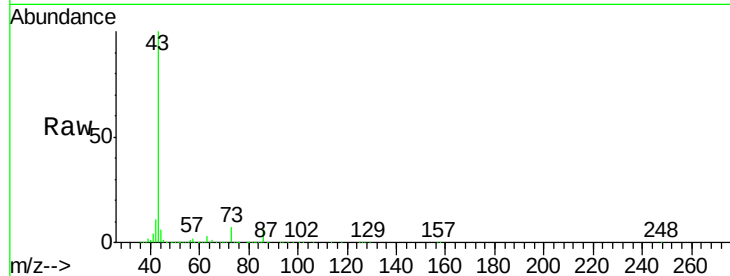
42 10.2 8.5 12.7

44 5.5 4.6 7.0

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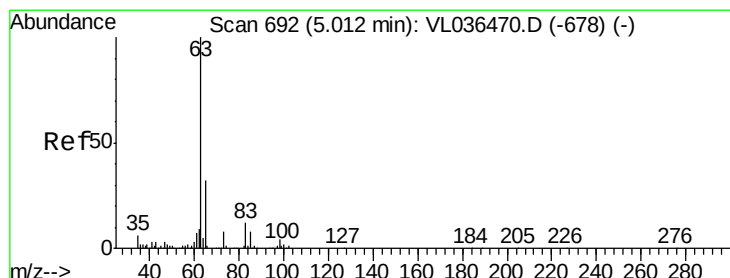
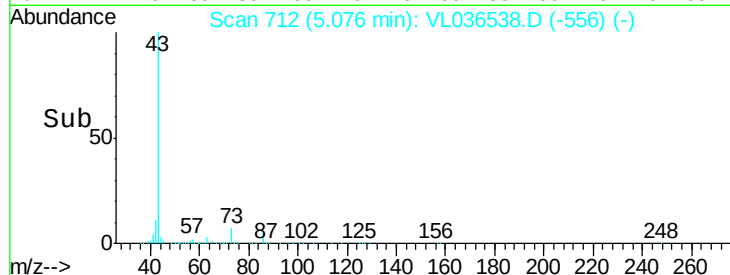
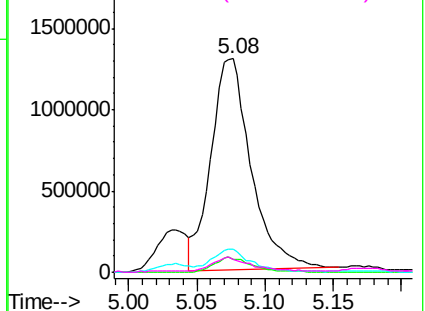


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.789 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

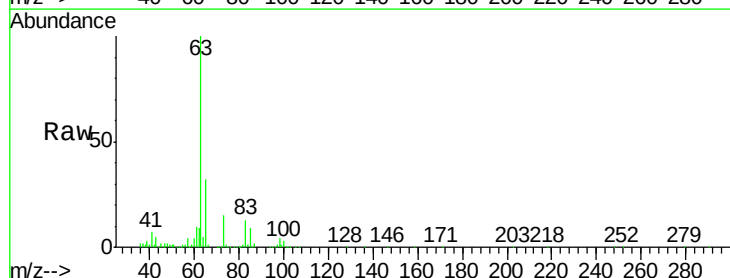
Tgt Ion: 63 Resp: 1910969

Ion Ratio Lower Upper

63 100

98 3.8 2.1 6.2

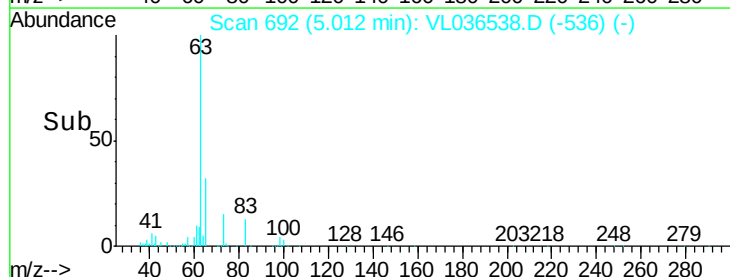
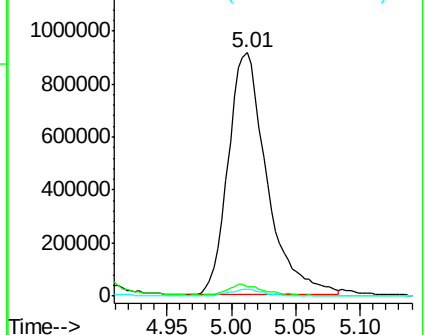
100 2.7 0.9 2.8

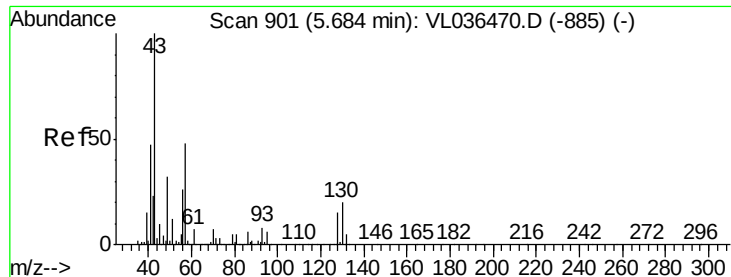


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





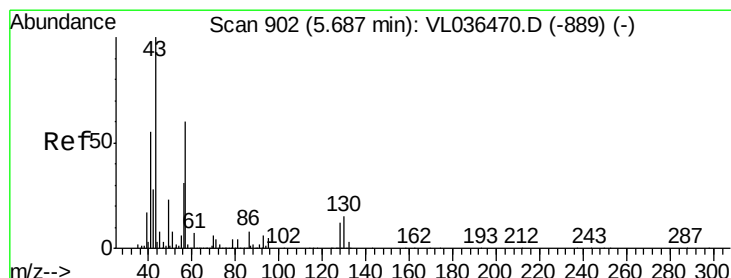
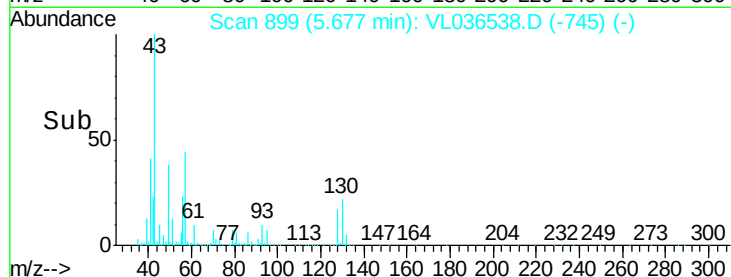
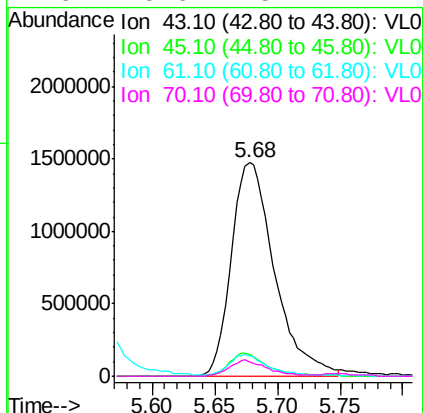
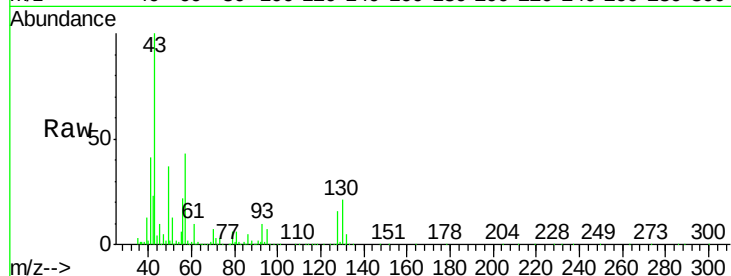
#25
Ethyl Acetate
Concen: 9.461 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampleId :
VL0329ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.2	7.4	11.2
70	6.6	5.1	7.7

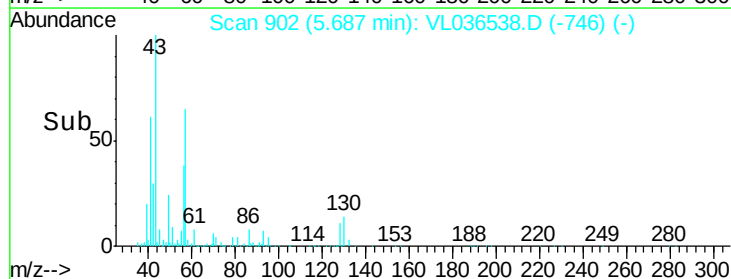
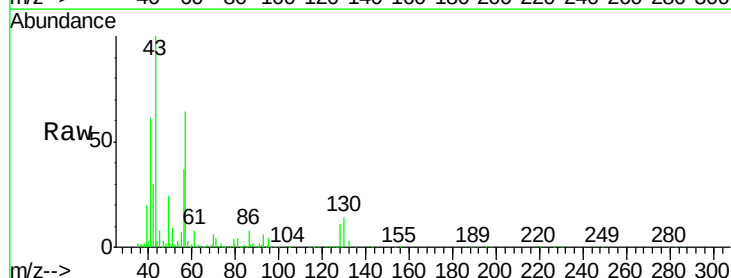
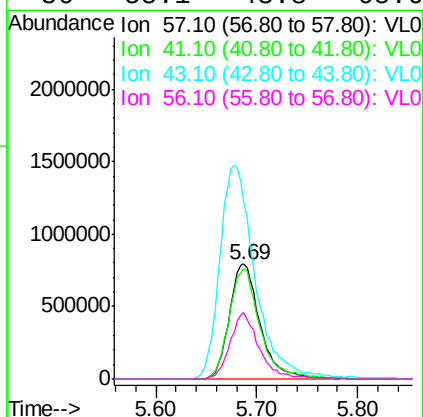
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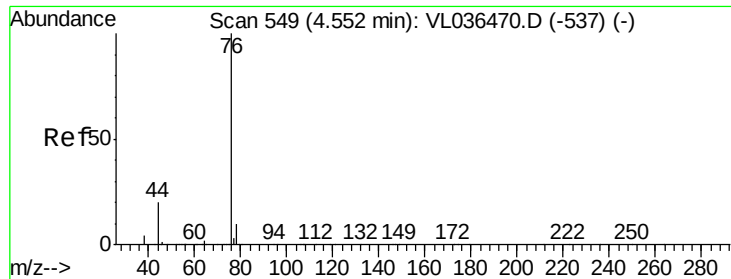
MMDadoda
3/30/2021 7:44:02 PM



#26
Hexane
Concen: 9.741 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion	Ratio	Lower	Upper
57	100		
41	97.6	77.2	115.8
43	214.5	173.8	260.6
56	55.1	43.8	65.6





#27

Carbon Disulfide

Concen: 10.756 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

VL0329ABS01

Tot Ion: 76 Resp: 1830275

Ion Ratio Lower Upper

76 100

44 21.4 17.5 26.3

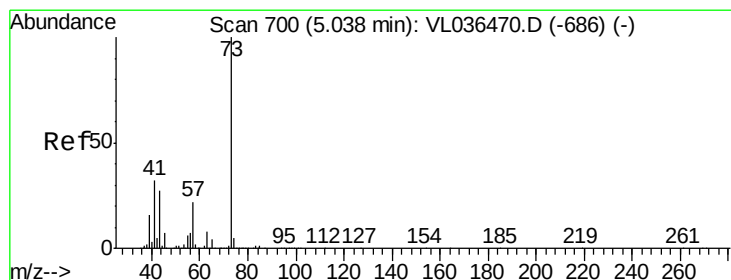
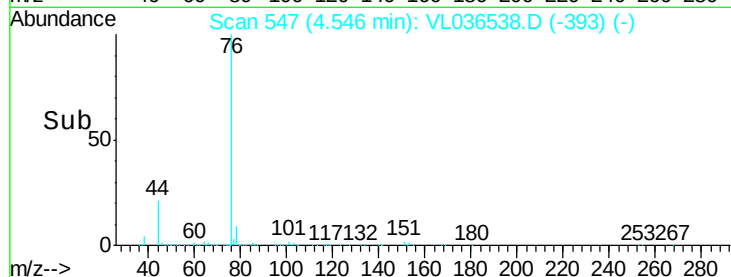
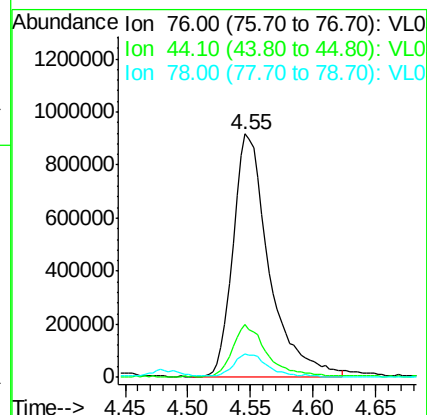
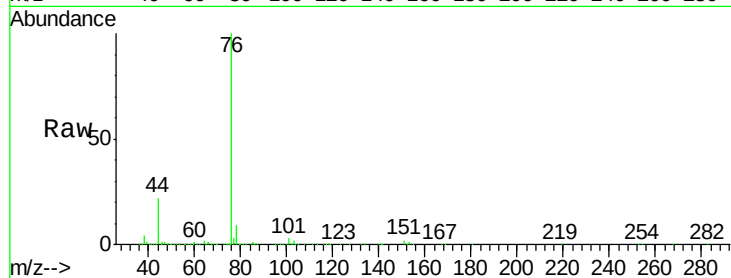
78 9.7 8.6 13.0

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#28

Methyl tert-Butyl Ether

Concen: 9.758 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.00 min

Lab File: VL036538.D

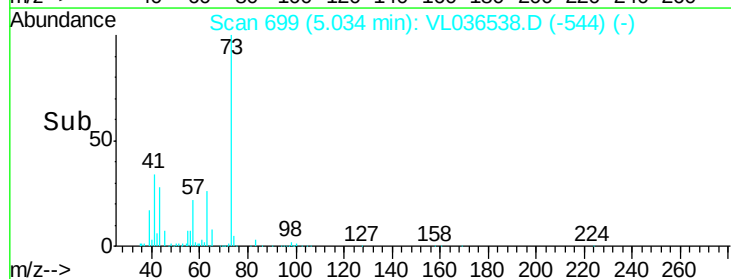
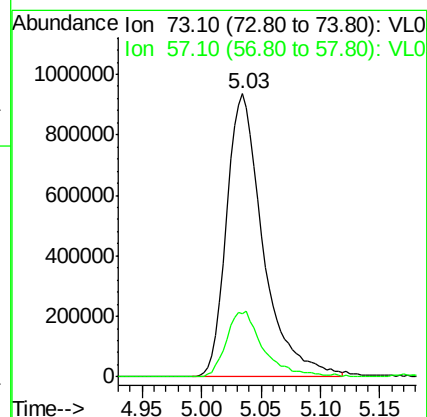
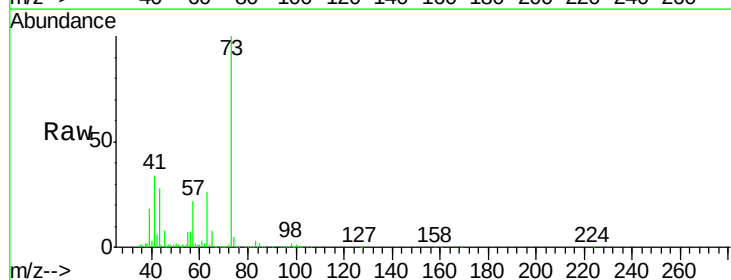
Acq: 29 Mar 2021 13:12

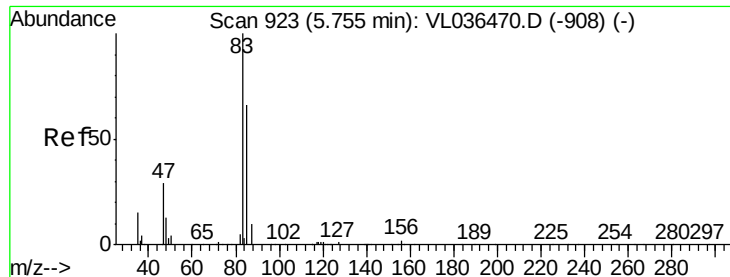
Tgt Ion: 73 Resp: 1987854

Ion Ratio Lower Upper

73 100

57 23.8 18.5 27.7





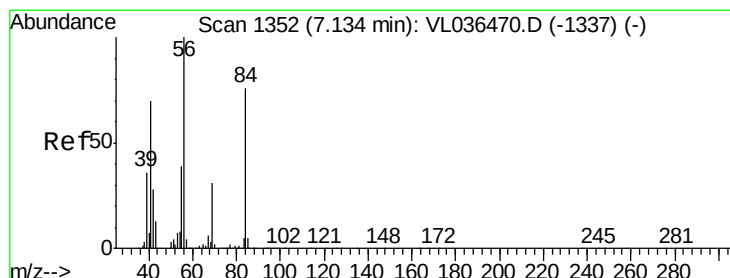
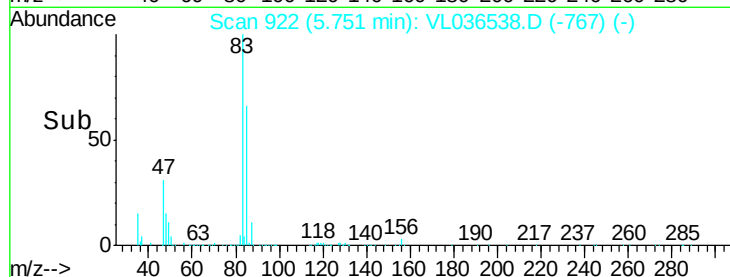
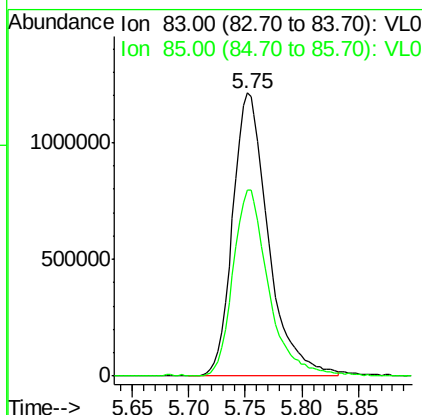
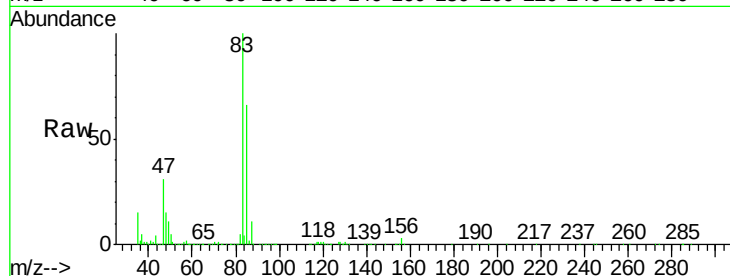
#29
Chloroform
Concen: 9.634 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampled :
VL0329ABS01

Tot Ion: 83 Resp: 2661559
Ion Ratio Lower Upper
83 100
85 65.7 52.6 78.8

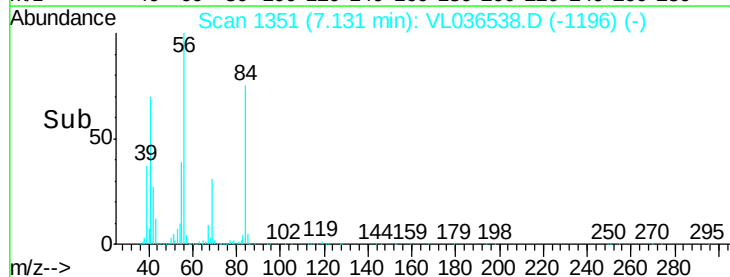
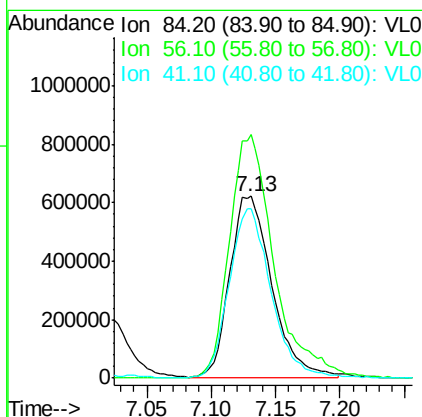
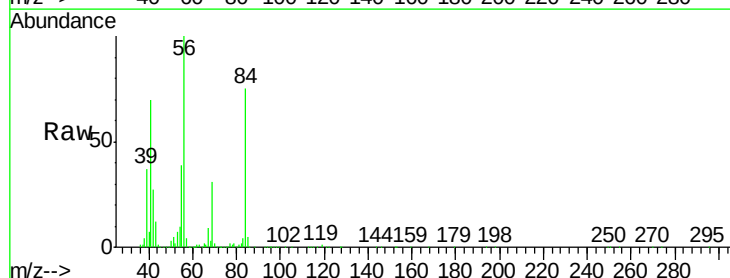
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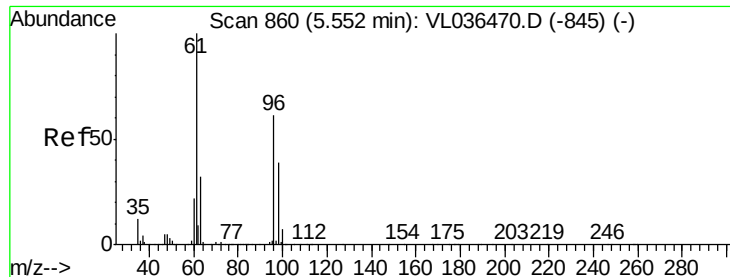
MMDadoda
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#30
Cyclohexane
Concen: 10.042 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion: 84 Resp: 1406766
Ion Ratio Lower Upper
84 100
56 143.4 114.6 171.8
41 93.9 75.3 112.9





#31

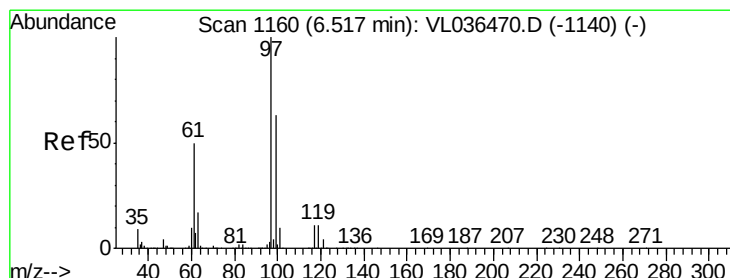
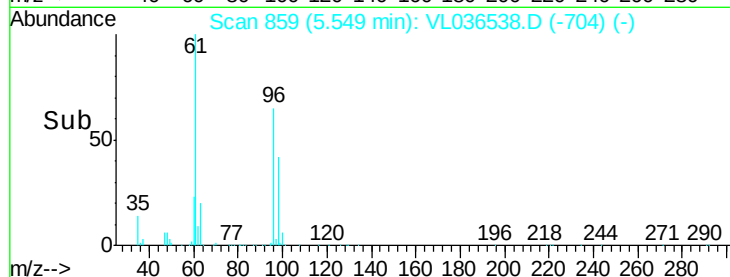
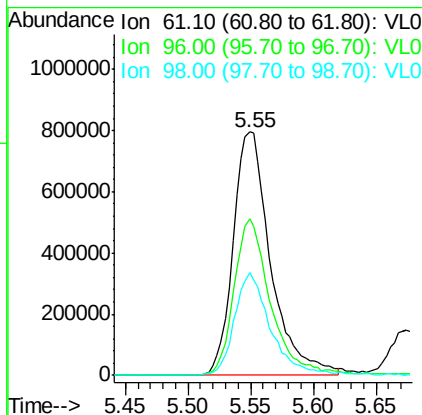
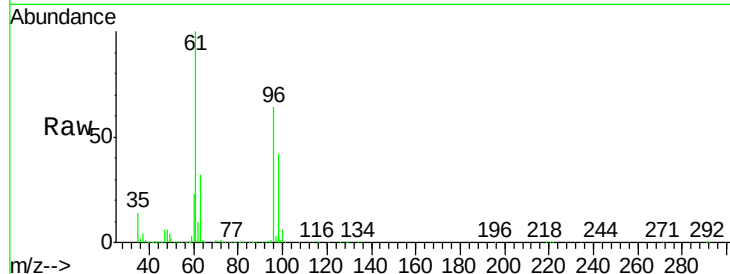
cis-1,2-Dichloroethene
Concen: 9.888 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampleId :
VL0329ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.4	48.7	73.1
98	42.0	31.4	47.0

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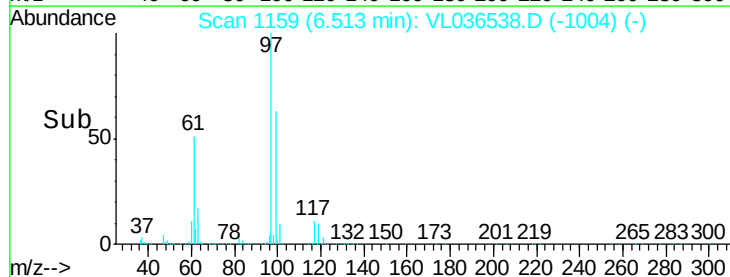
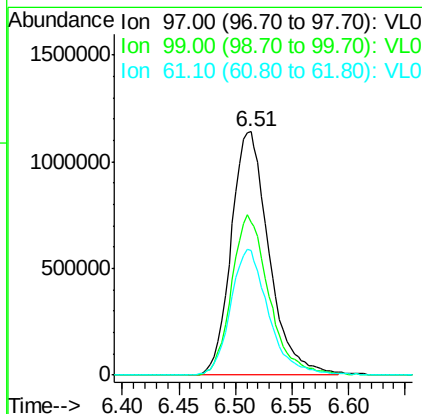
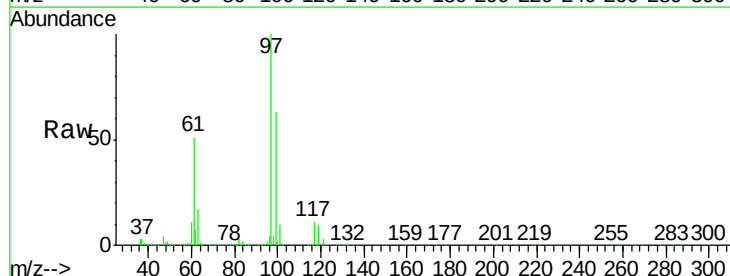
MMDadoda
3/30/2021 7:44:02 PM

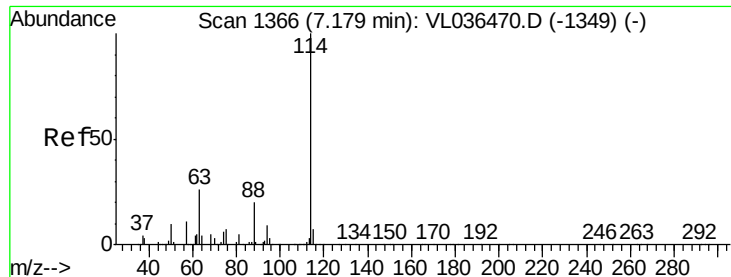


#32

1,1,1-Trichloroethane
Concen: 9.522 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.4	77.0
61	52.3	40.6	60.8





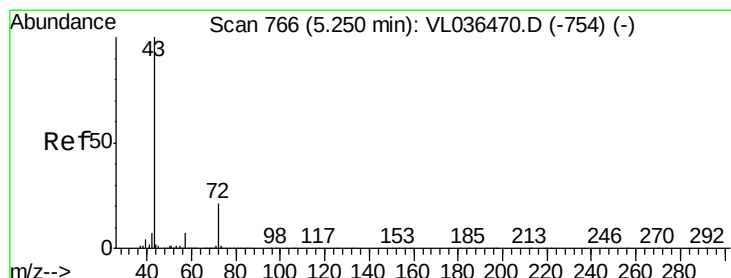
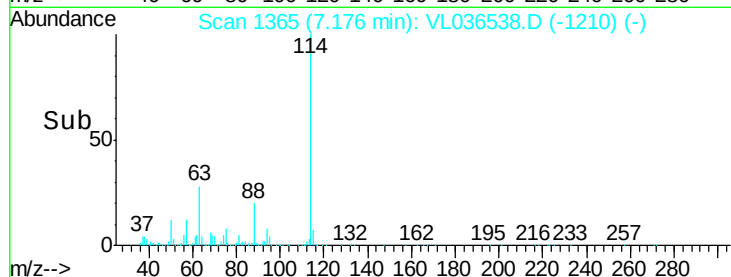
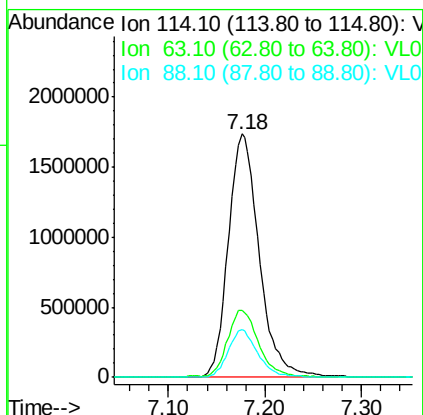
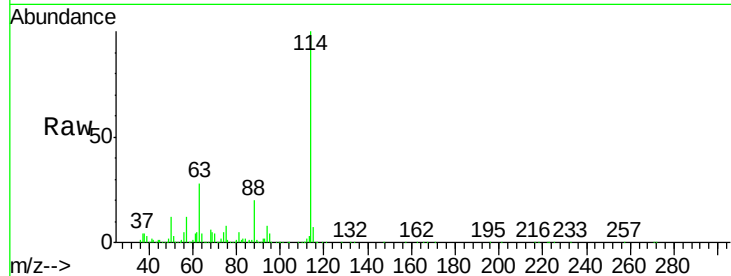
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0329ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.5	22.4	33.6
88	19.0	15.4	23.0

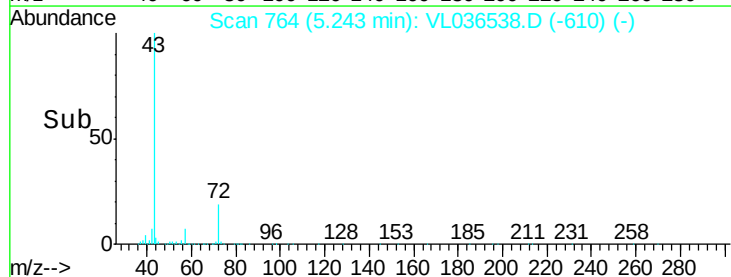
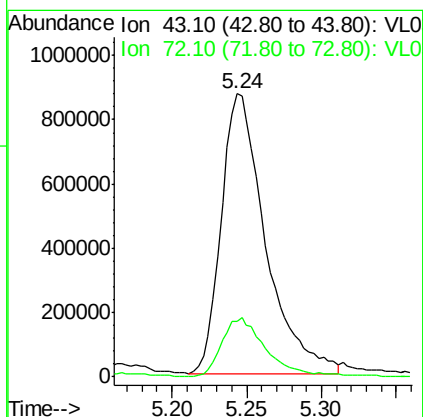
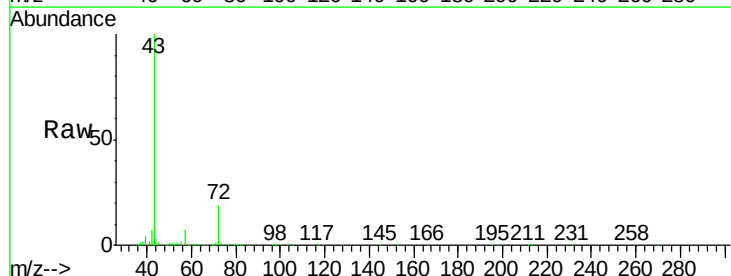
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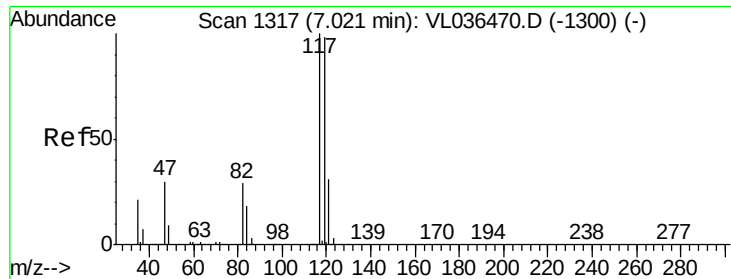
MMDadoda
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#34
 2-Butanone
 Concen: 9.510 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.0	25.6





#35

Carbon Tetrachloride

Concen: 9.419 ppbv

RT: 7.02 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

VL0329ABS01

Tot Ion:117 Resp: 2790184

Ion Ratio Lower Upper

117 100

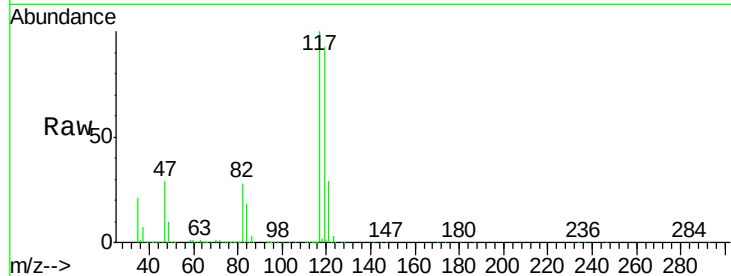
119 92.7 78.2 117.2

121 29.4 24.5 36.7

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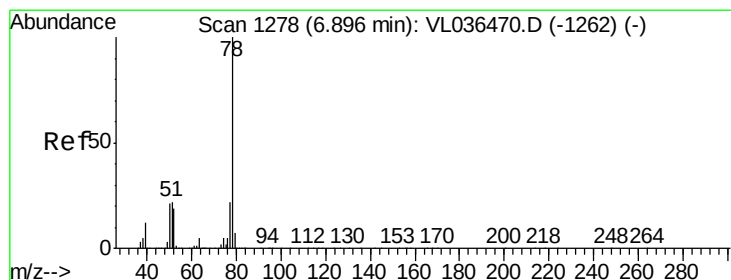
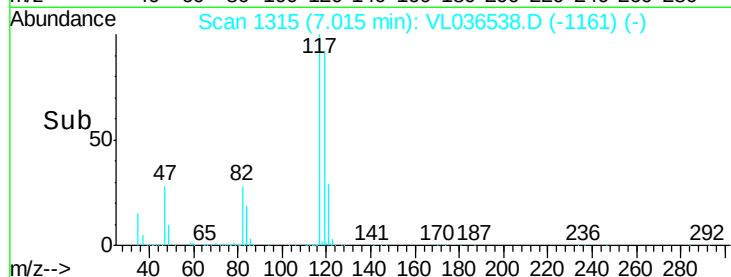
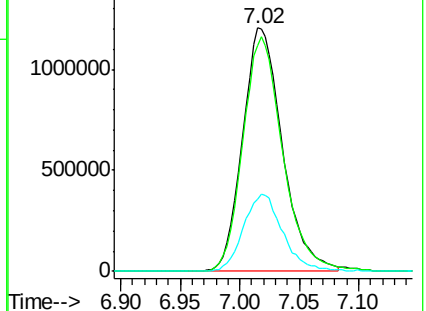
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.624 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

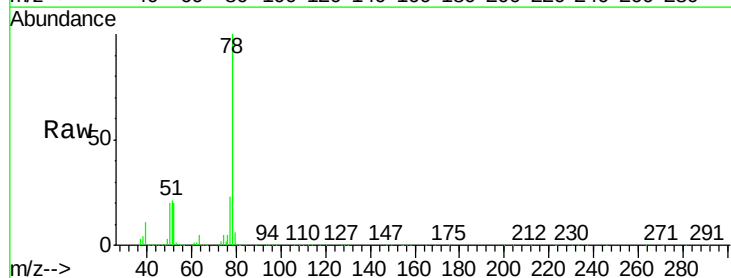
Tgt Ion: 78 Resp: 3423233

Ion Ratio Lower Upper

78 100

77 23.1 18.0 27.0

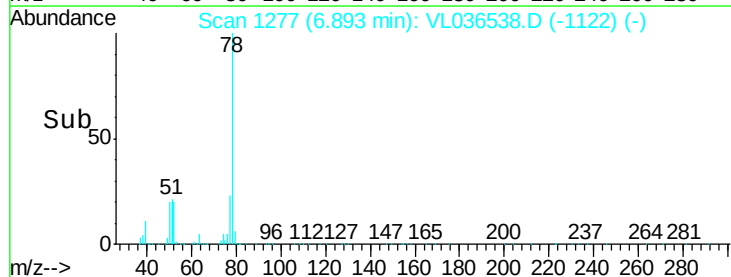
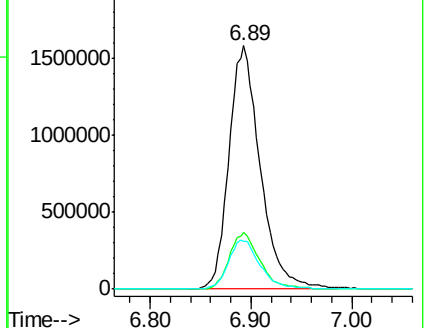
50 19.7 16.5 24.7

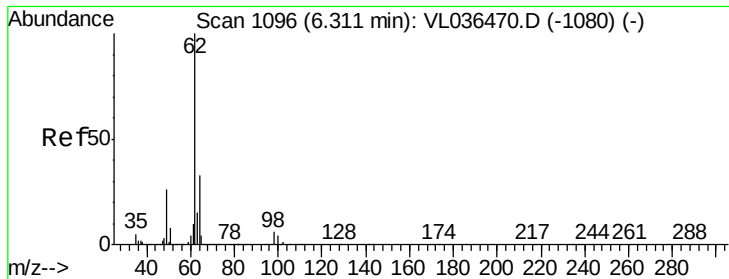


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





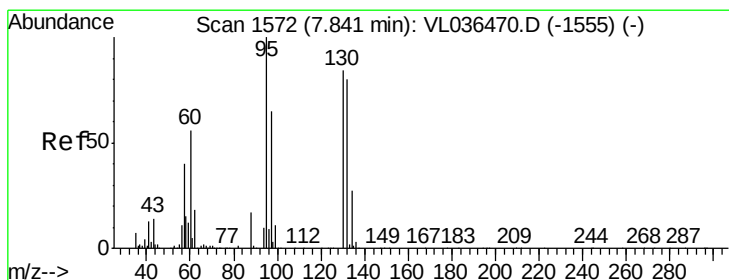
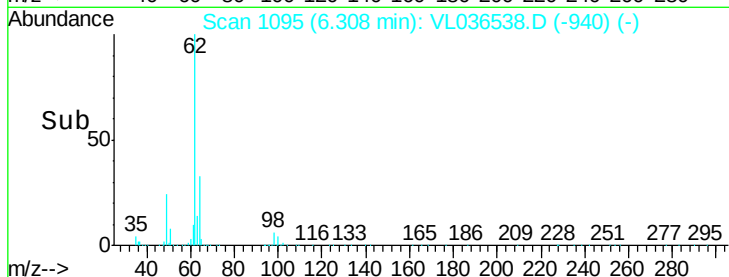
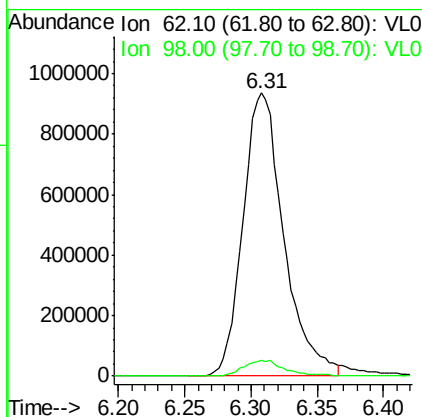
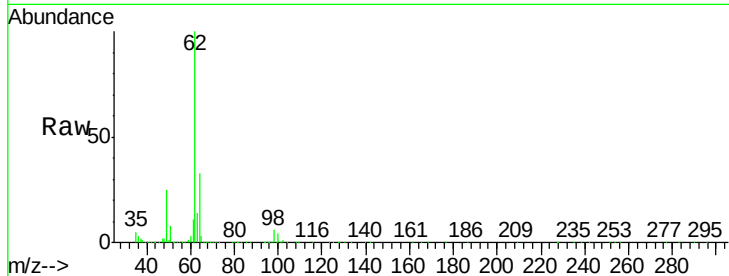
#37
 1,2-Dichloroethane
 Concen: 9.565 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0329ABS01

Tot Ion: 62 Resp: 2002526
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.9 7.3

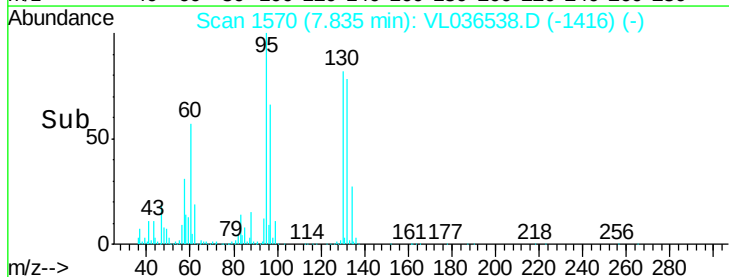
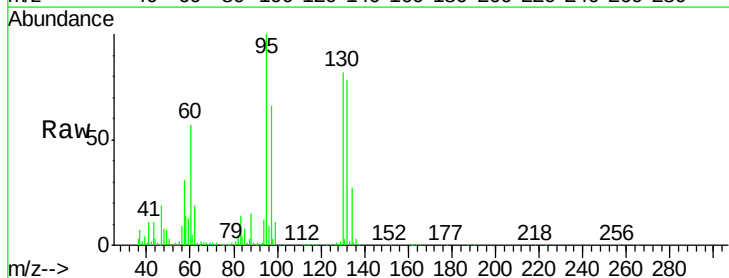
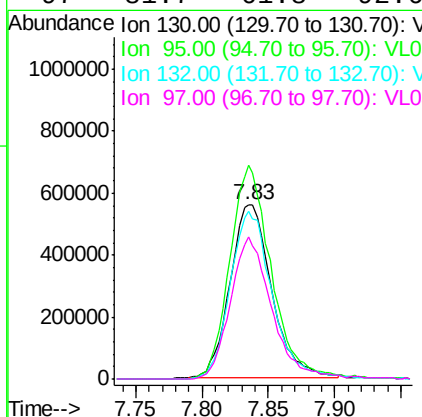
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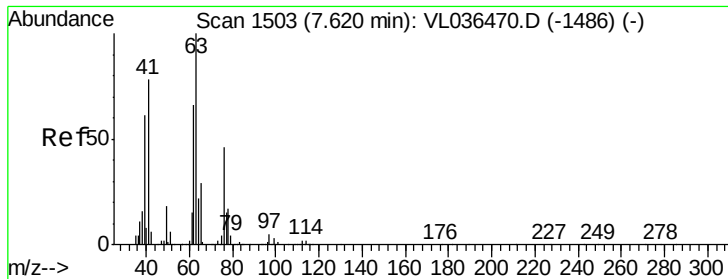
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#38
 Trichloroethene
 Concen: 8.746 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Tgt Ion: 130 Resp: 1210690
 Ion Ratio Lower Upper
 130 100
 95 123.0 95.7 143.5
 132 96.6 76.2 114.4
 97 81.7 61.8 92.6





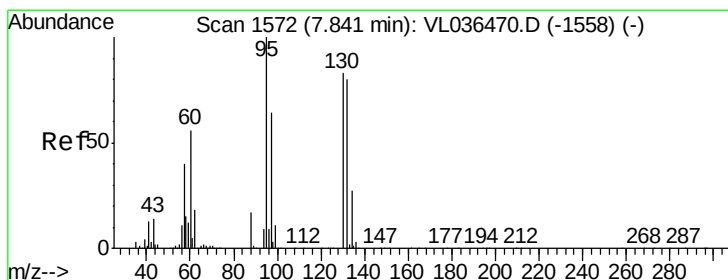
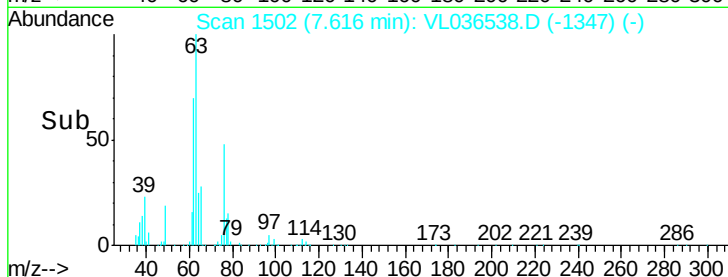
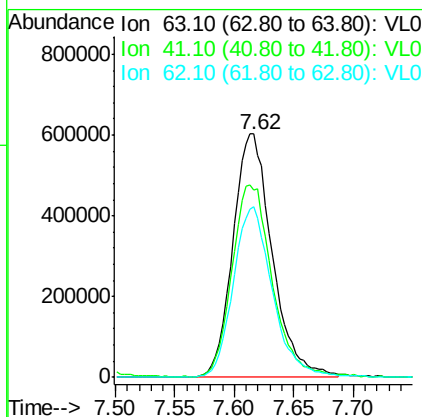
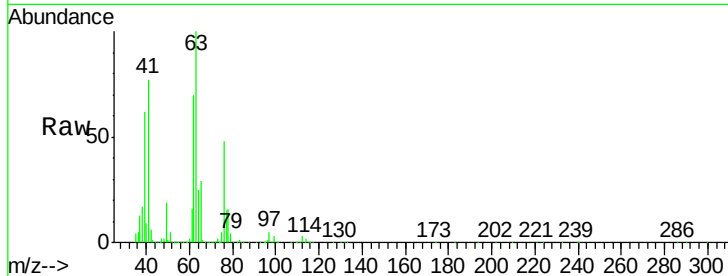
#39
 1,2-Dichloropropane
 Concen: 9.558 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0329ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.5	62.4	93.6
62	69.9	52.8	79.2

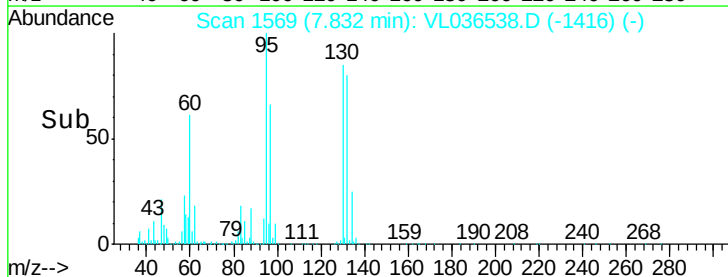
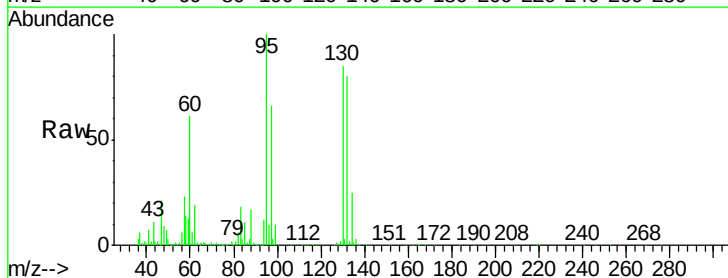
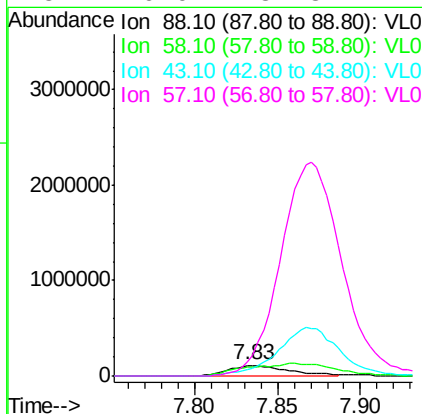
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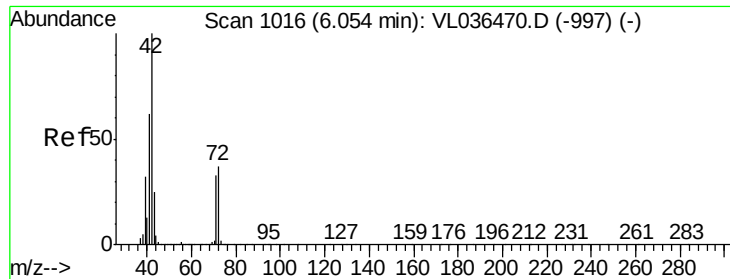
MMDadoda
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#40
 1,4-Dioxane
 Concen: 8.266 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

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





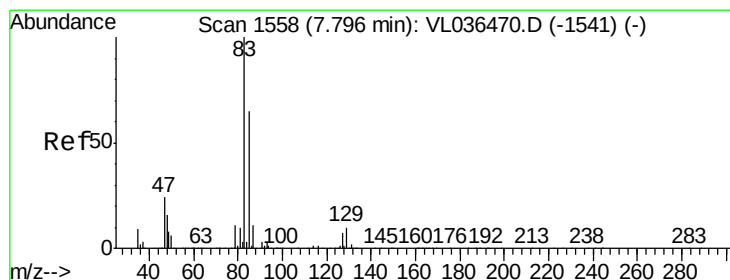
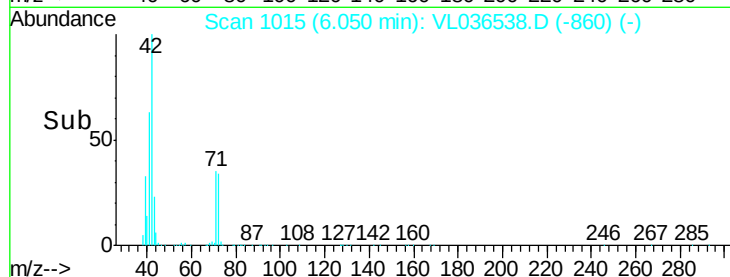
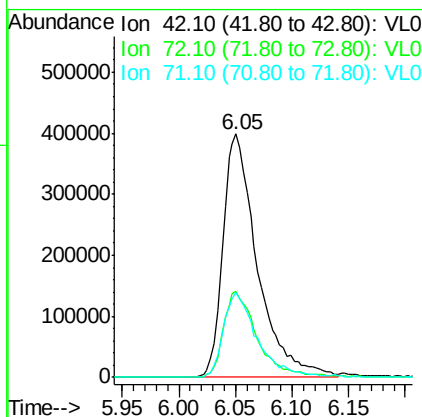
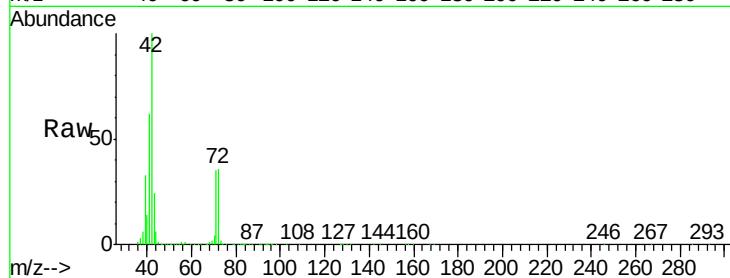
#41
Tetrahydrofuran
Concen: 9.723 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampleId :
VL0329ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.2	27.6	41.4
71	34.7	27.0	40.4

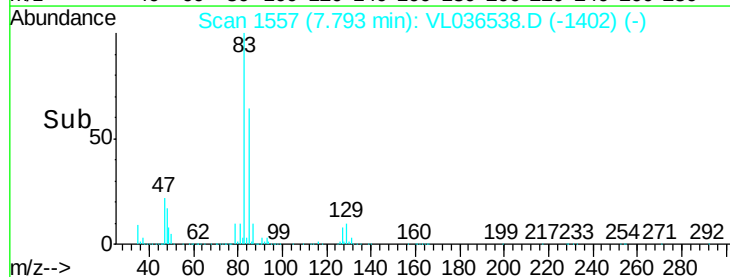
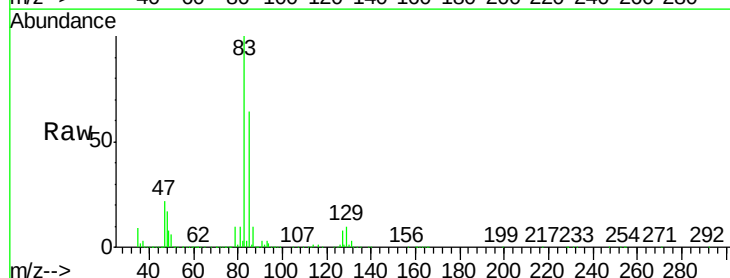
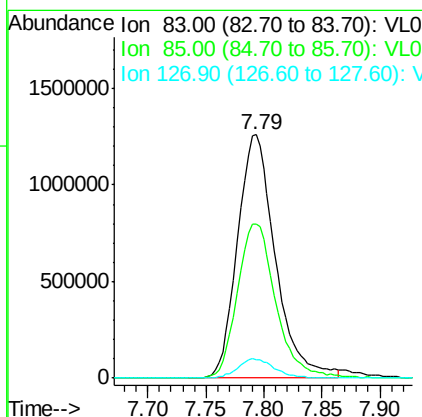
Manual Integrations
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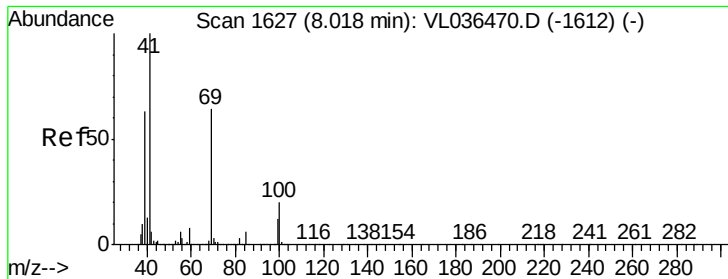
MMDadoda
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#42
Bromodichloromethane
Concen: 10.072 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.6
127	7.7	5.8	8.8





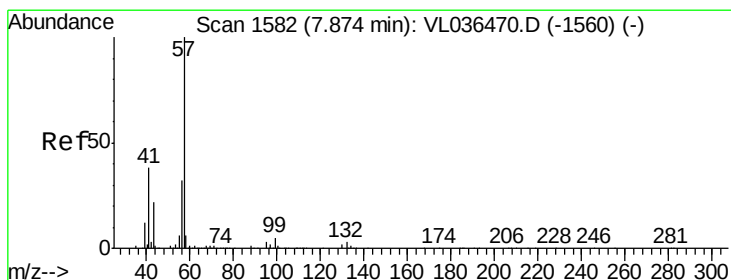
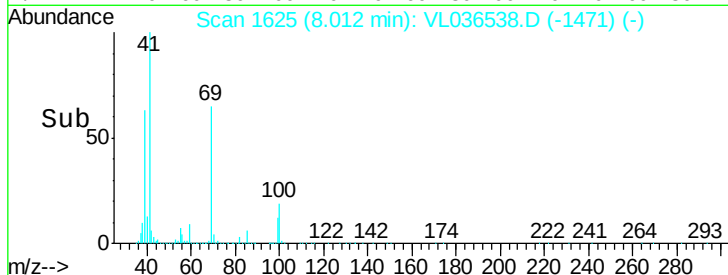
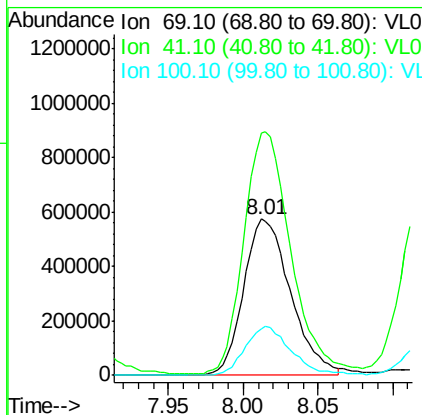
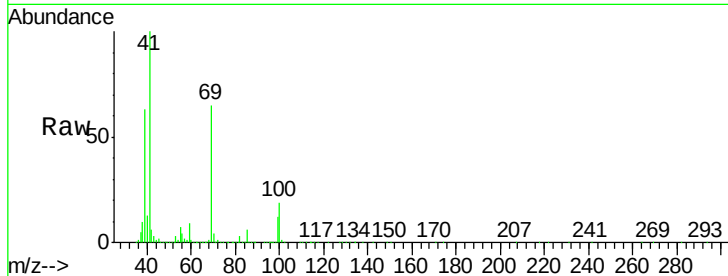
#43
Methvl Methacrylate
Concen: 10.518 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.01 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampleId :
VL0329ABS01

Tot Ion: 69 Resp: 1256260
Ion Ratio Lower Upper
69 100
41 157.6 126.8 190.2
100 30.8 24.9 37.3

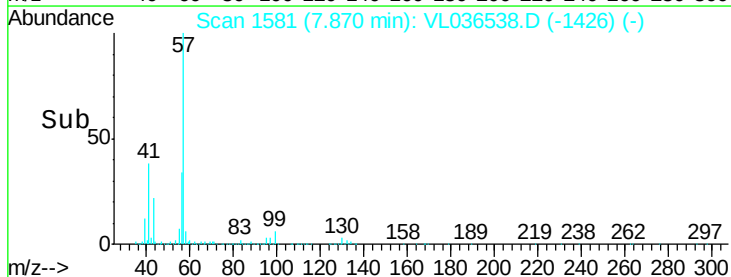
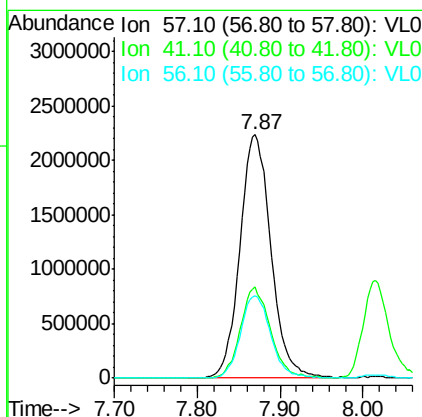
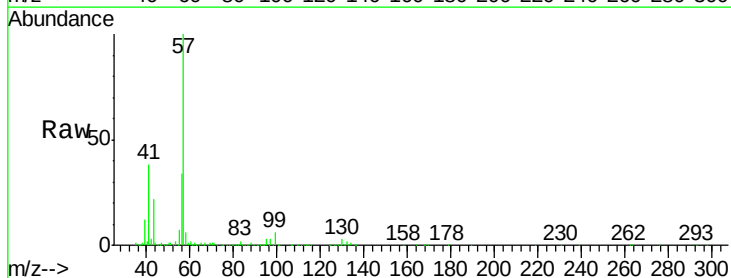
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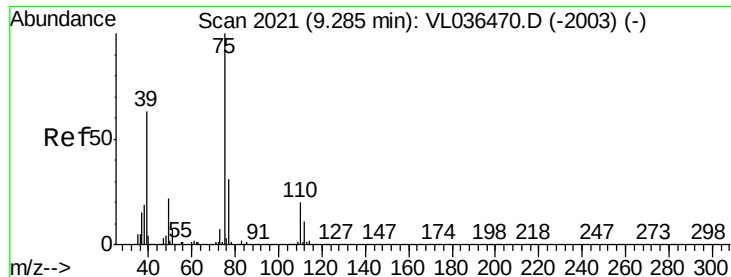
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.305 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion: 57 Resp: 5825497
Ion Ratio Lower Upper
57 100
41 36.1 28.8 43.2
56 33.1 26.1 39.1





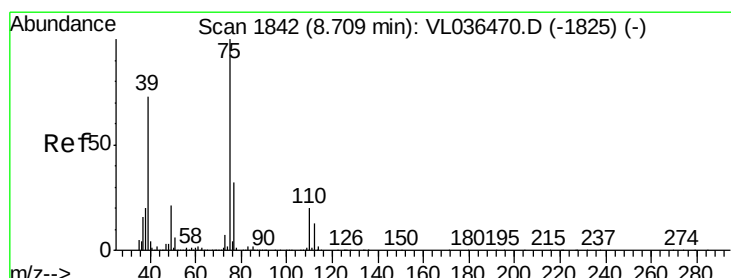
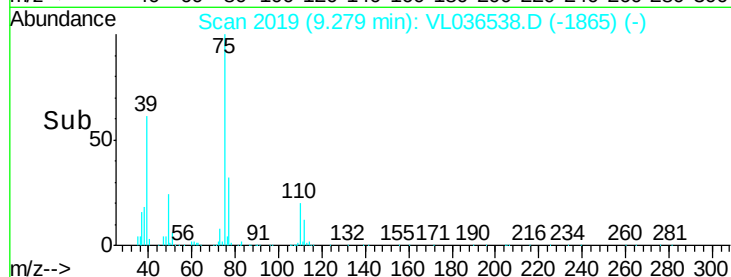
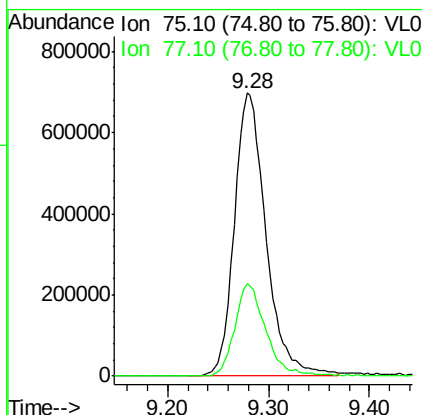
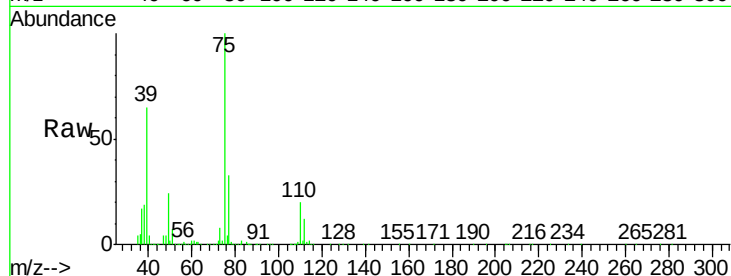
#45
t-1,3-Dichloropropene
Concen: 11.116 ppbv
RT: 9.28 min Scan# 2019
Delta R.T. -0.01 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampleId :
VL0329ABS01

Tot Ion: 75 Resp: 1516100
Ion Ratio Lower Upper
75 100
77 32.6 25.1 37.7

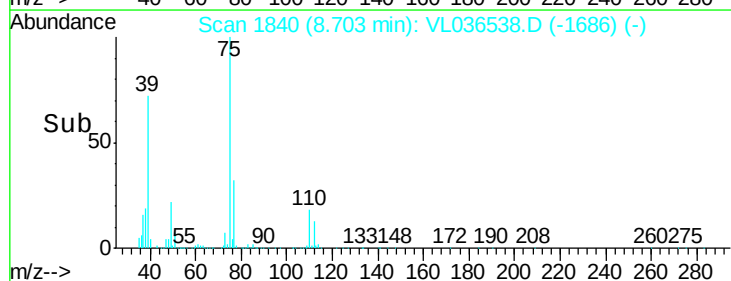
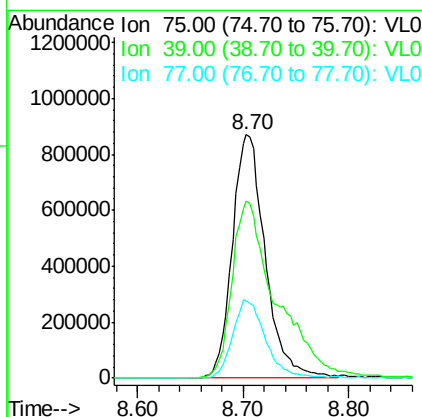
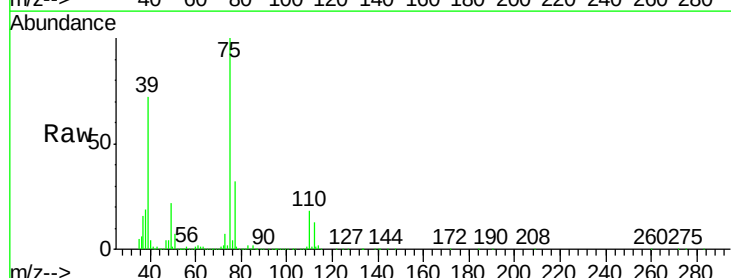
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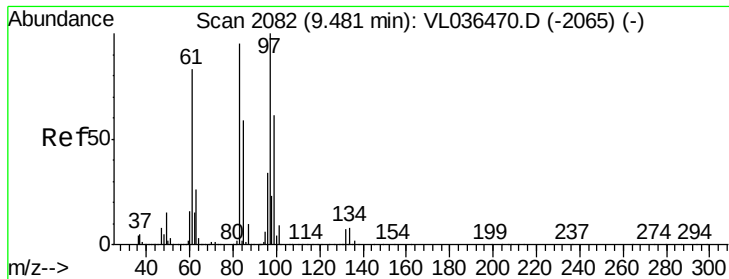
MMDadoda
3/30/2021 7:44:02 PM



#46
cis-1,3-Dichloropropene
Concen: 10.788 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion: 75 Resp: 1880854
Ion Ratio Lower Upper
75 100
39 72.3 58.2 87.2
77 31.7 25.2 37.8





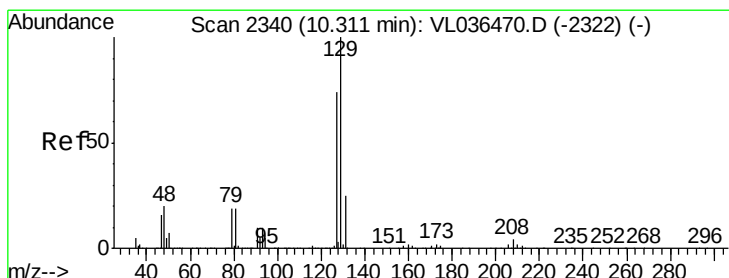
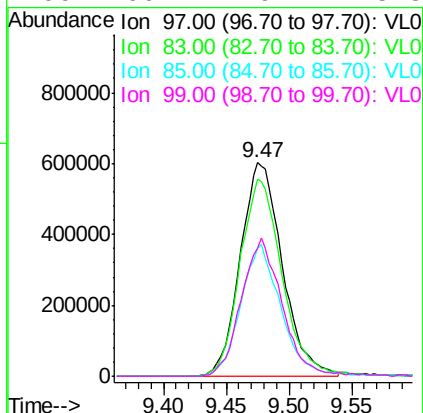
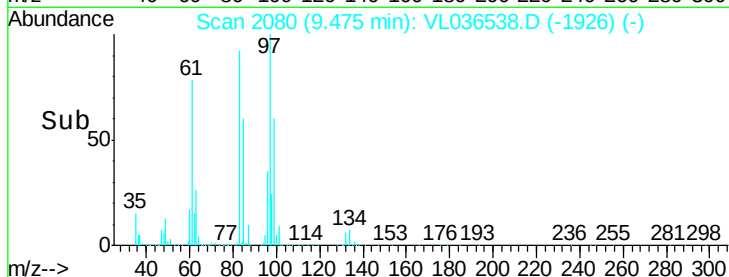
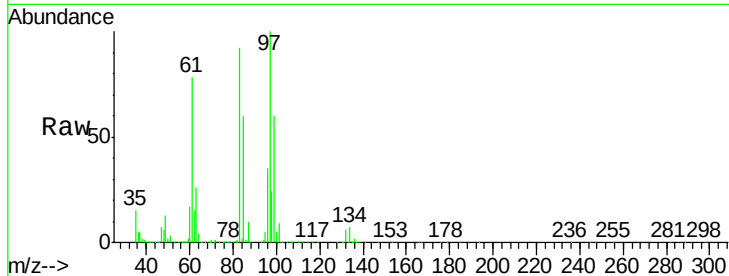
#47
 1,1,2-Trichloroethane
 Concen: 9.594 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0329ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	92.2	75.8	113.8	
85	60.0	47.1	70.7	
99	60.1	49.2	73.8	

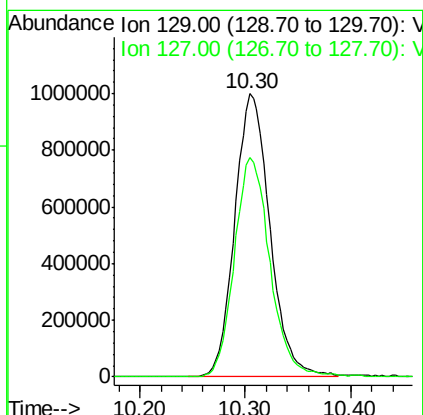
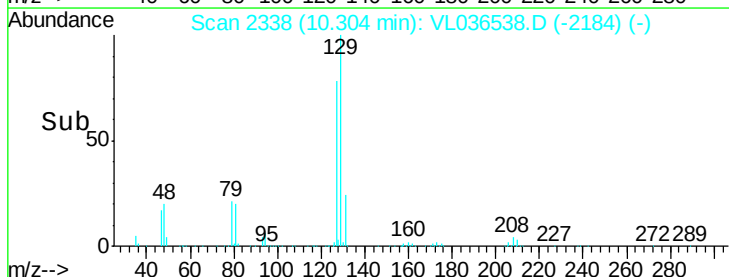
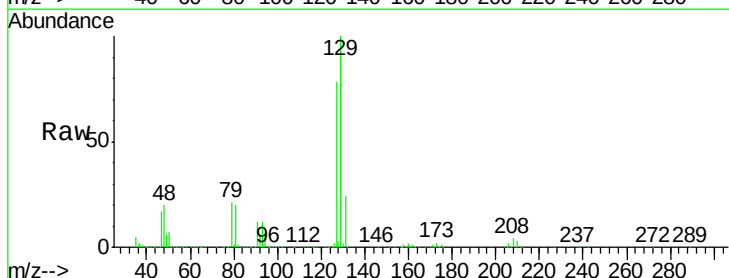
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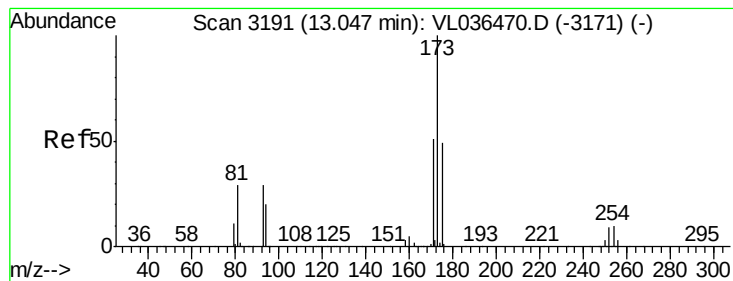
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#48
 Dibromochloromethane
 Concen: 10.406 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.8	39.6	118.8	





#49

Bromoform

Concen: 10.567 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

VL0329ABS01

Tot Ion:173 Resp: 1896963

Ion Ratio Lower Upper

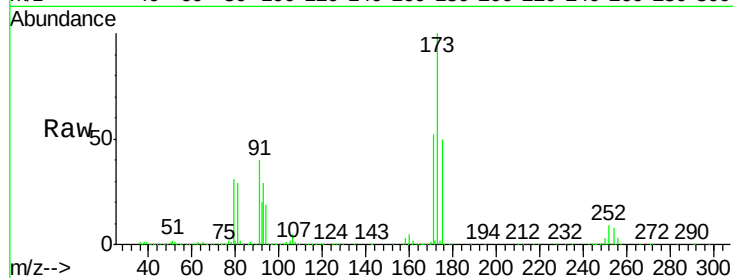
173 100

175 50.4 39.6 59.4

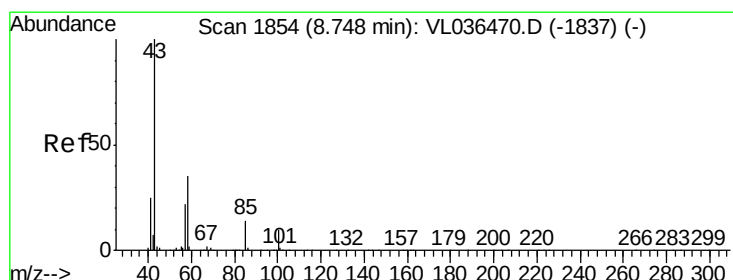
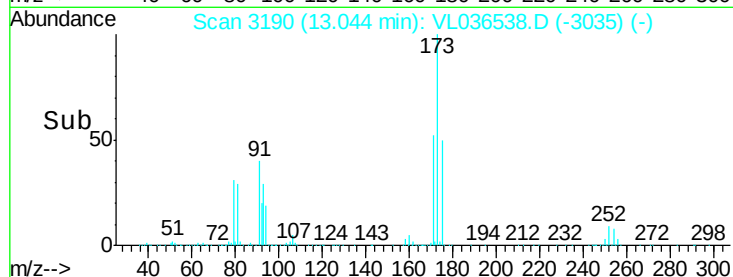
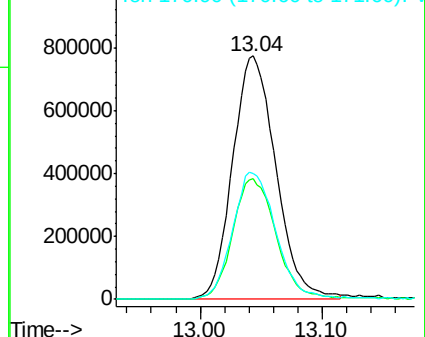
171 53.2 41.4 62.0

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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: 10.078 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL036538.D

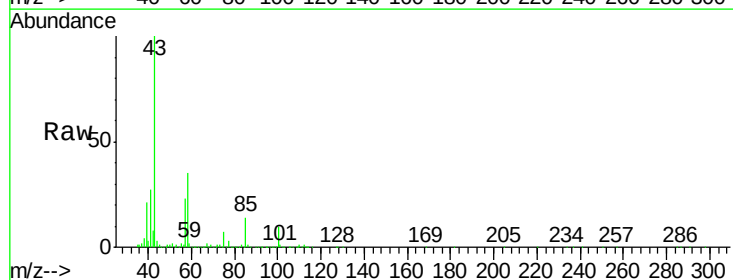
Acq: 29 Mar 2021 13:12

Tgt Ion: 43 Resp: 2745349

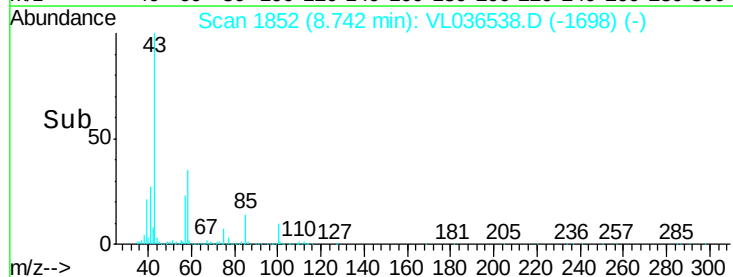
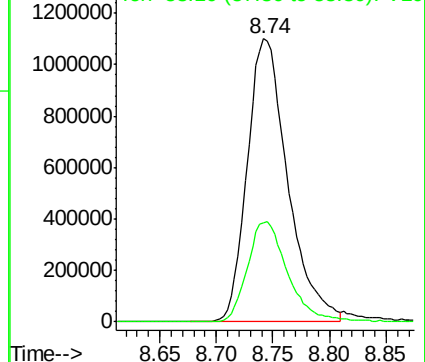
Ion Ratio Lower Upper

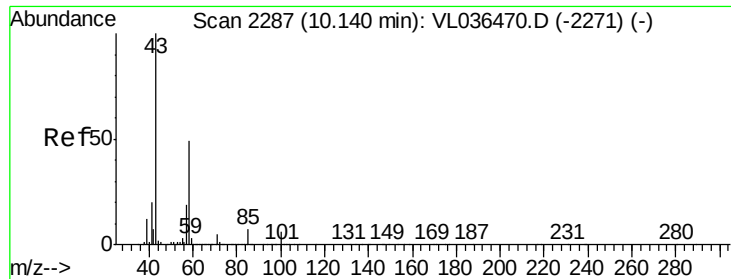
43 100

58 35.4 28.2 42.2



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





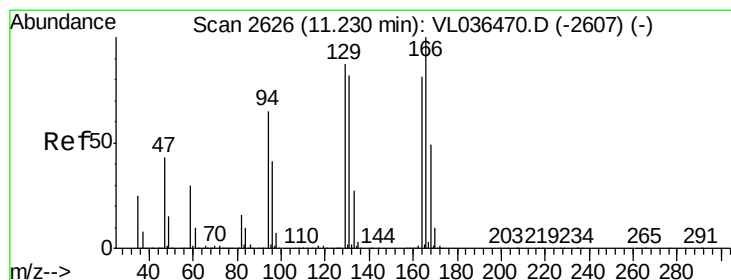
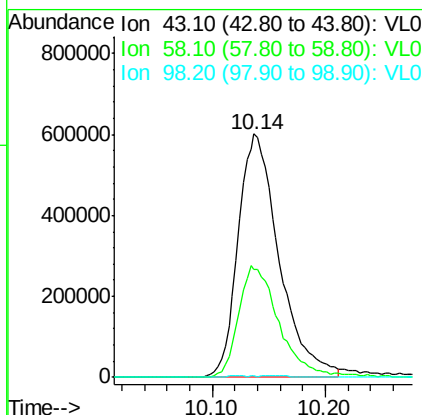
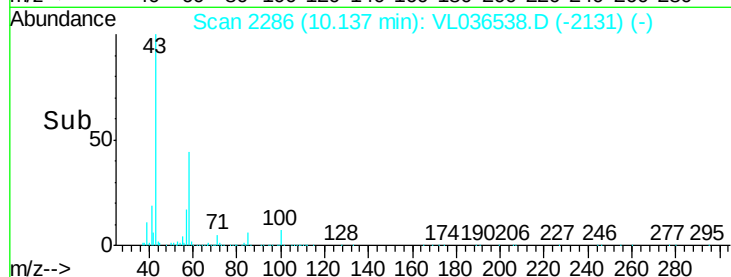
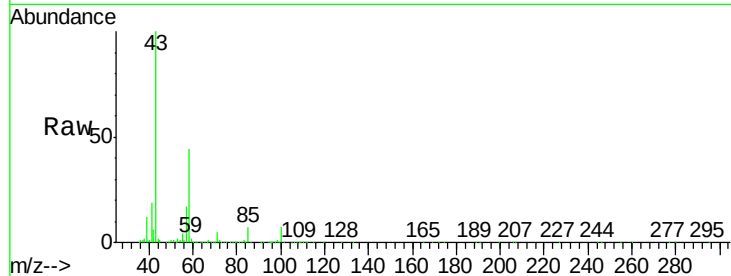
#51
2-Hexanone
Concen: 11.018 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampleId :
VL0329ABS01

Tot Ion: 43 Resp: 1514575
Ion Ratio Lower Upper
43 100
58 46.2 37.7 56.5
98 0.5 0.2 0.2#

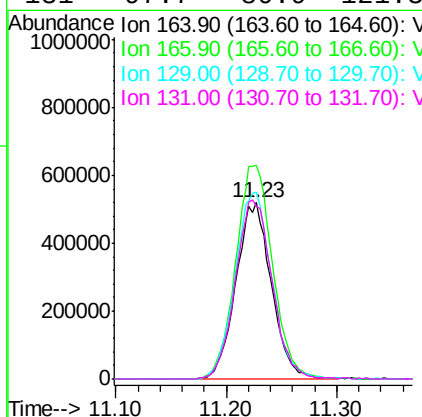
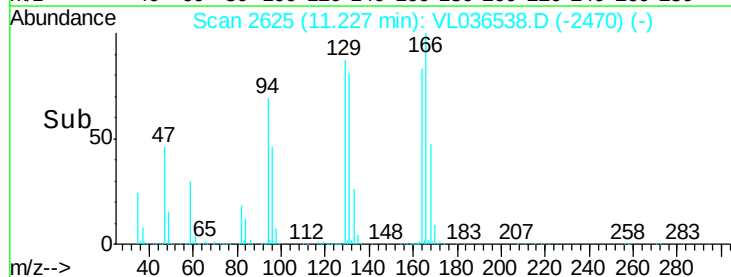
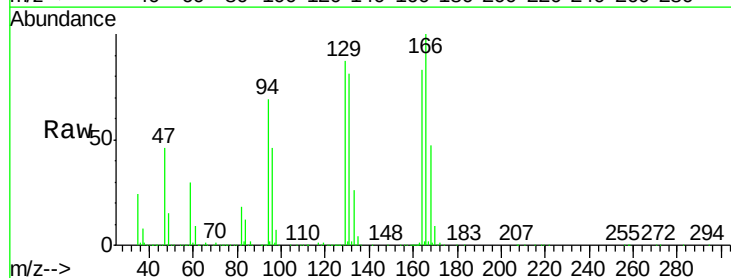
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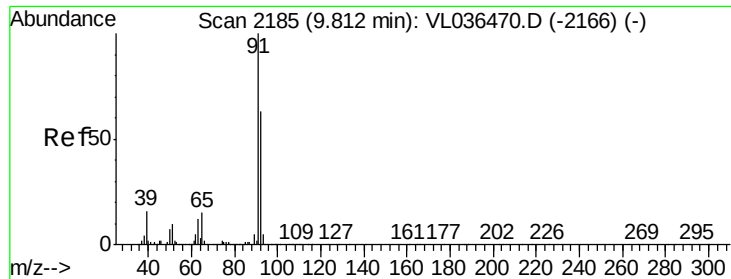
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#52
Tetrachloroethene
Concen: 8.812 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion:164 Resp: 1154264
Ion Ratio Lower Upper
164 100
166 121.1 98.3 147.5
129 105.7 85.8 128.8
131 97.7 80.9 121.3





#53

Toluene

Concen: 10.170 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

VL0329ABS01

Tot Ion: 91 Resp: 3852434

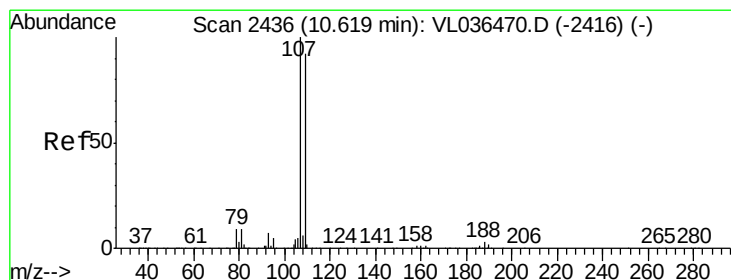
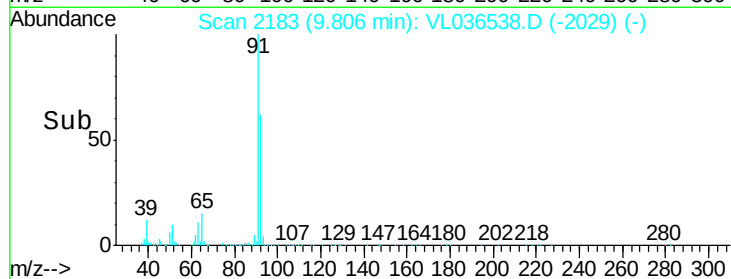
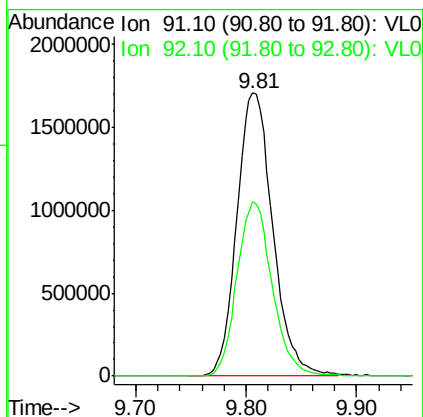
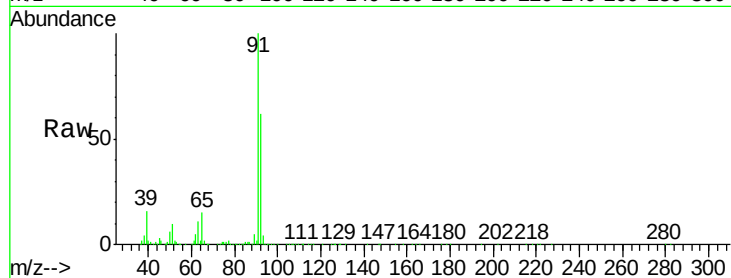
Ion Ratio Lower Upper

91 100

92 60.7 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 9.835 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.01 min

Lab File: VL036538.D

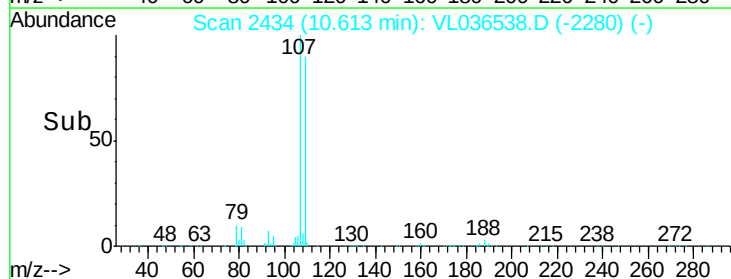
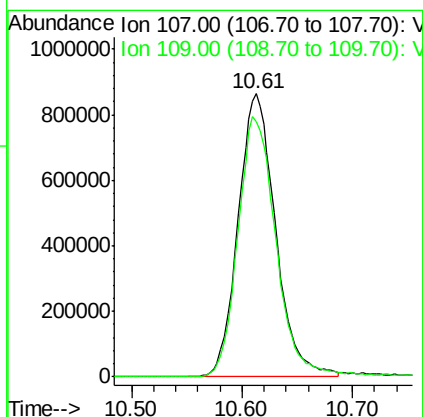
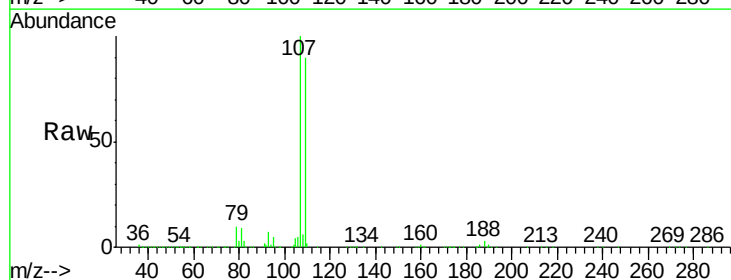
Acq: 29 Mar 2021 13:12

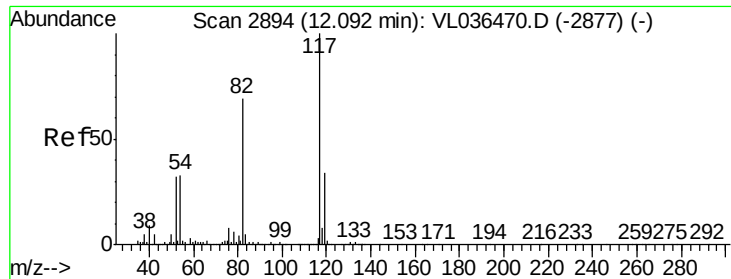
Tgt Ion: 107 Resp: 2029909

Ion Ratio Lower Upper

107 100

109 90.0 73.9 110.9





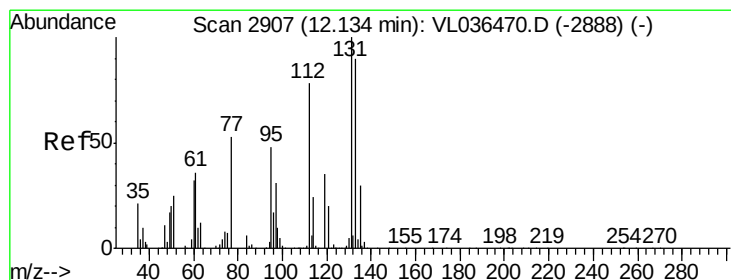
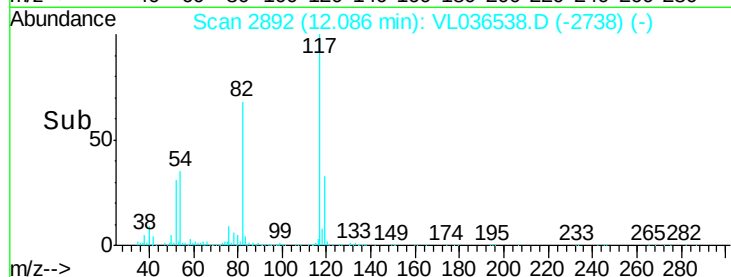
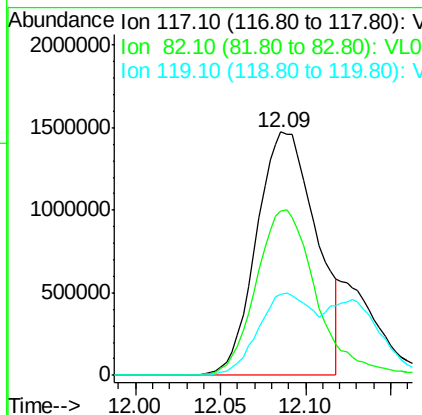
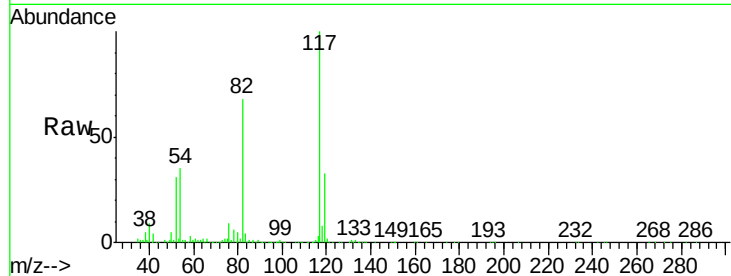
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampleId :
VL0329ABS01

Tot Ion:117 Resp: 3589897
Ion Ratio Lower Upper
117 100
82 69.5 57.4 86.0
119 31.0 47.4 71.0#

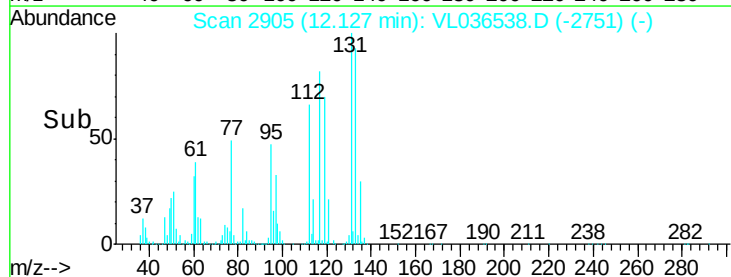
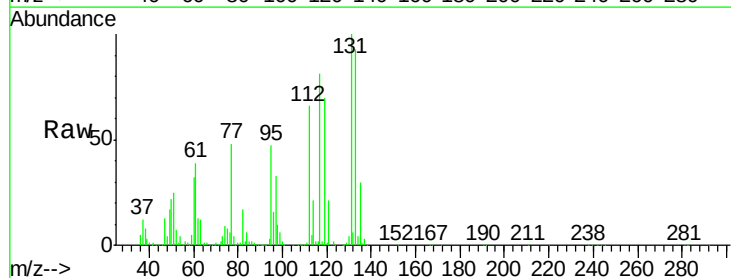
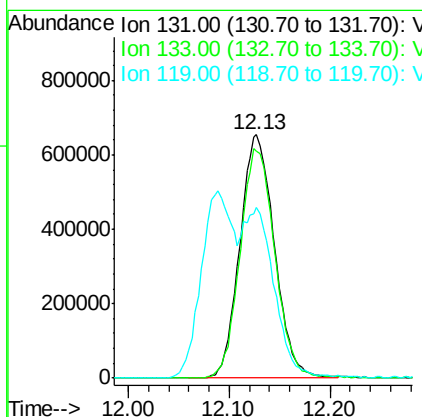
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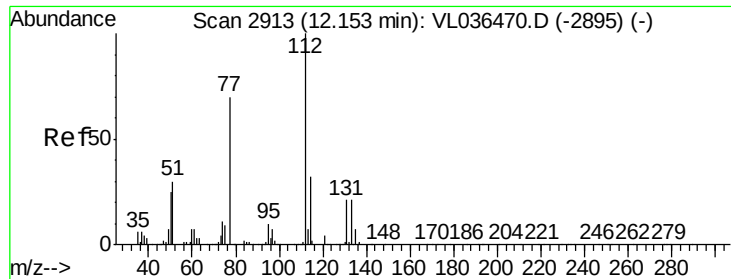
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.555 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion:131 Resp: 1551535
Ion Ratio Lower Upper
131 100
133 95.3 75.8 113.6
119 60.6 48.7 73.1





#57

Chlorobenzene

Concen: 9.258 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

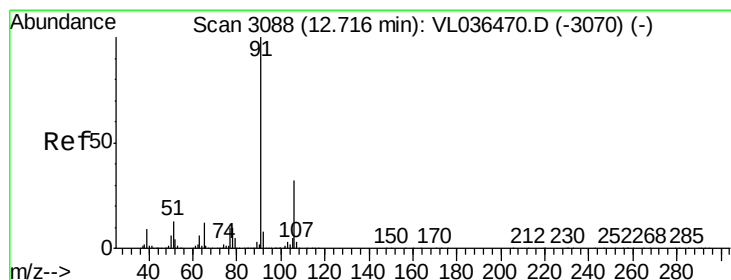
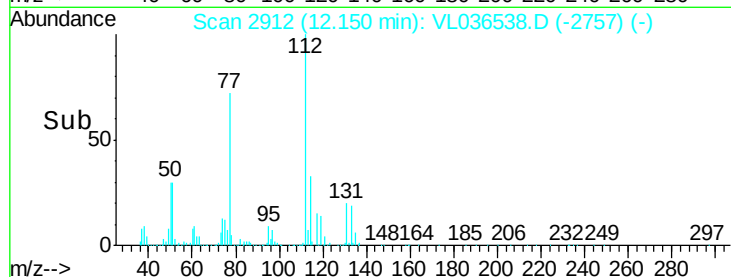
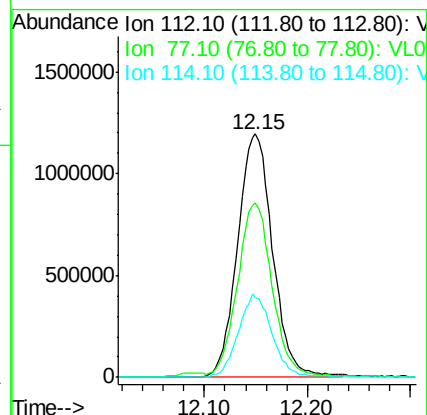
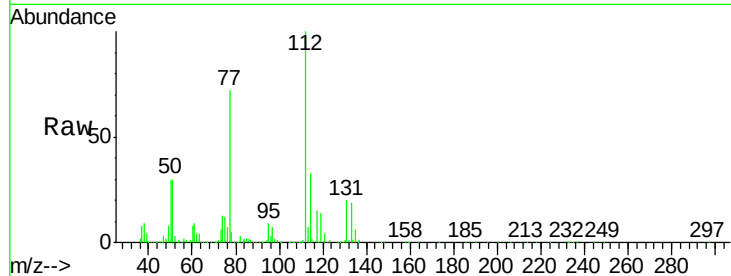
ClientSampleId :

VL0329ABS01

Tot Ion:	112	Resp:	2827844
Ion	Ratio	Lower	Upper
112	100		
77	70.9	56.0	84.0
114	32.5	29.0	35.4

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#58

Ethyl Benzene

Concen: 9.941 ppbv

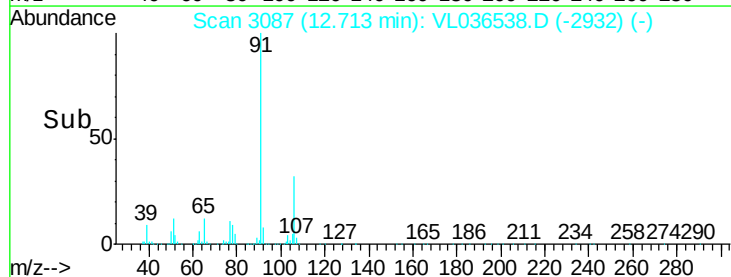
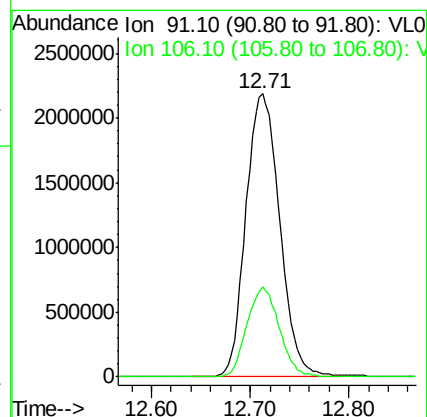
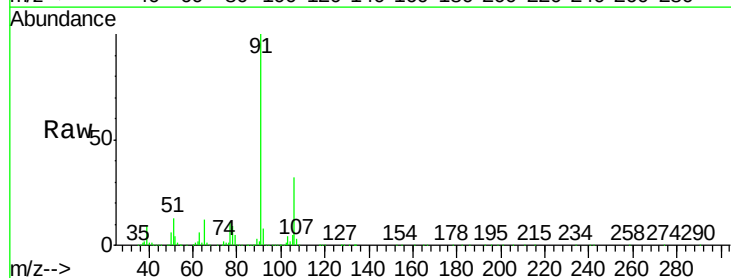
RT: 12.71 min Scan# 3087

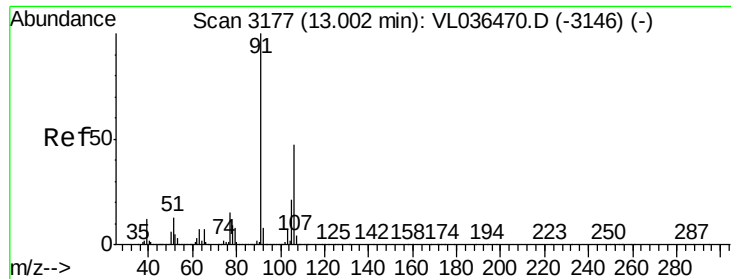
Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Tgt Ion:	91	Resp:	5191875
Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.3	37.9





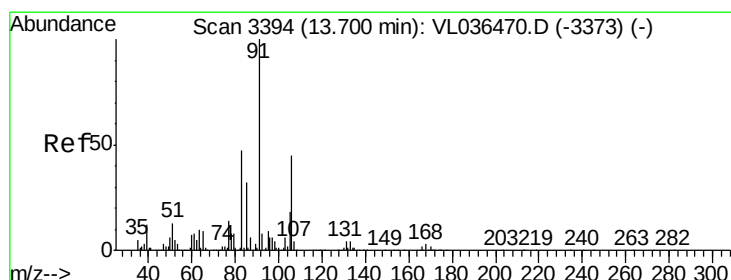
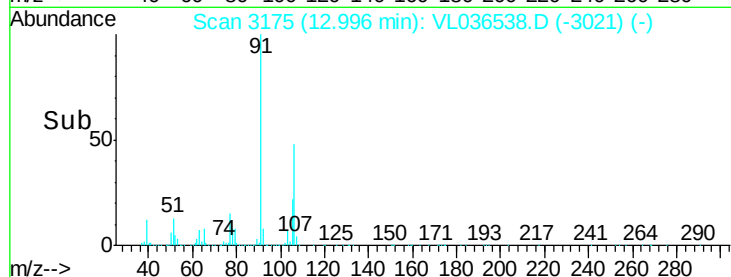
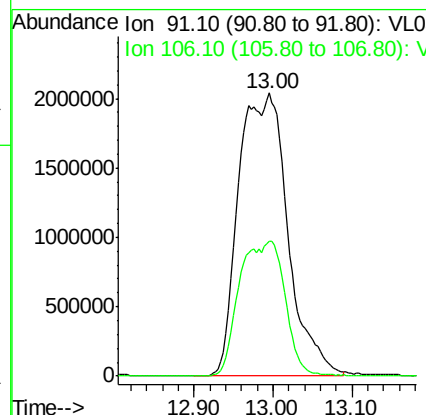
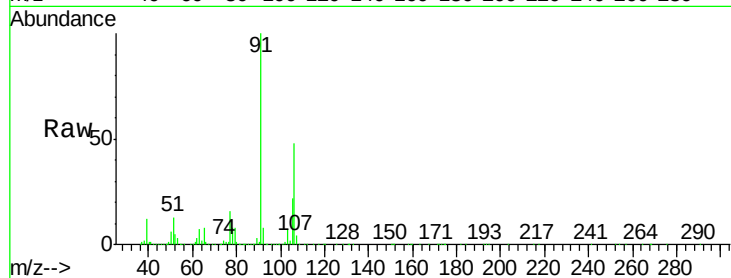
#59
m/p-Xylene
Concen: 19.225 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. -0.01 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampleId :
VL0329ABS01

Tot Ion: 91 Resp: 8757951
Ion Ratio Lower Upper
91 100
106 44.3 35.3 52.9

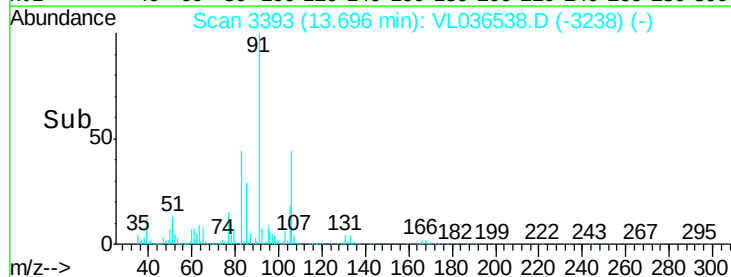
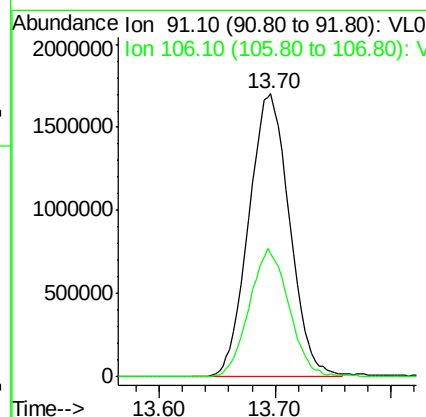
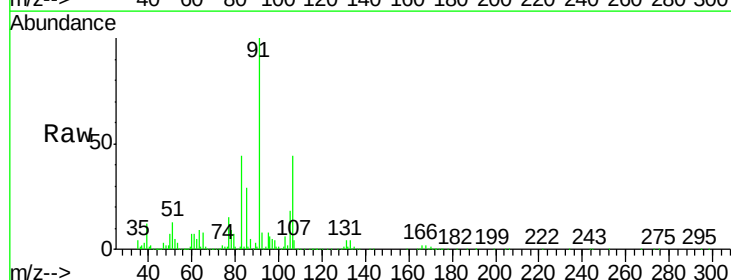
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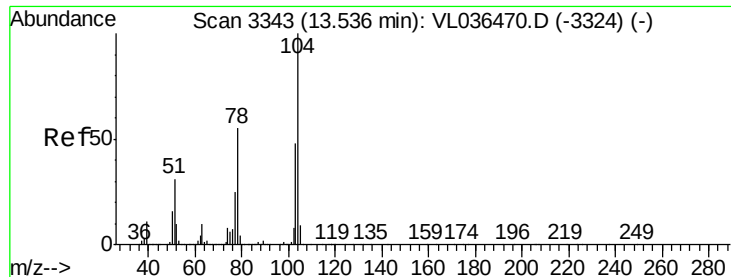
MMDadoda
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#60
o-Xylene
Concen: 9.457 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion: 91 Resp: 4165416
Ion Ratio Lower Upper
91 100
106 44.4 22.3 66.9





#61

Stvrene

Concen: 11.082 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

VL0329ABS01

Tot Ion:104 Resp: 2455813

Ion Ratio Lower Upper

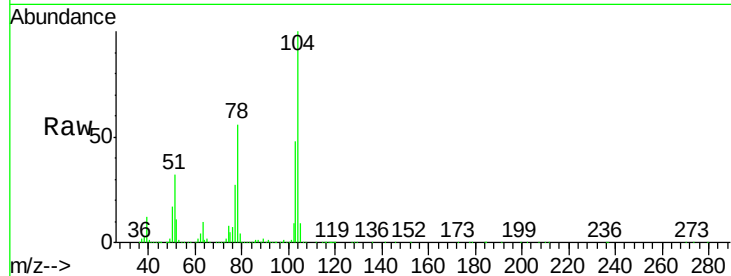
104 100

78 55.2 43.8 65.8

103 47.9 38.3 57.5

Manual Integrations
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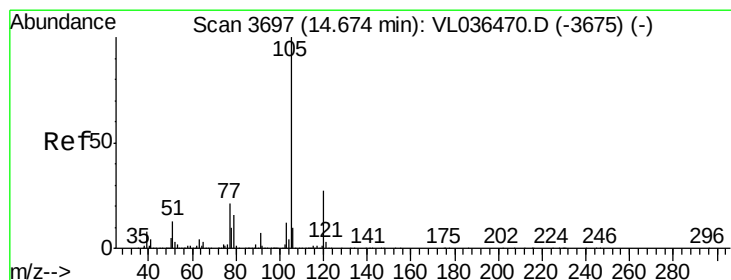
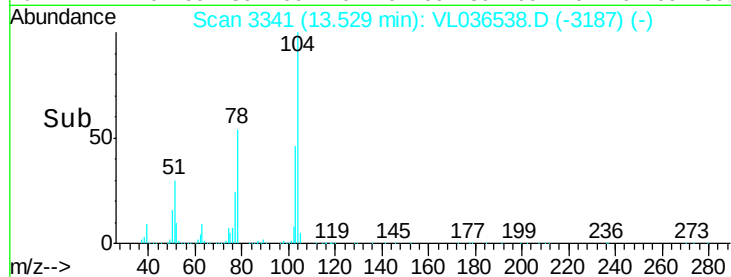
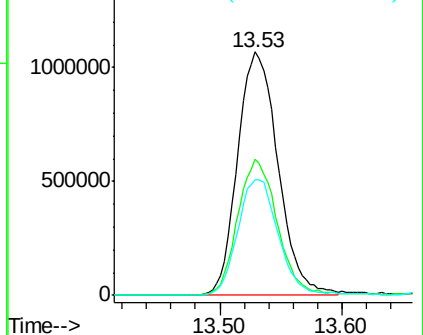
MMDadoda
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.364 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL036538.D

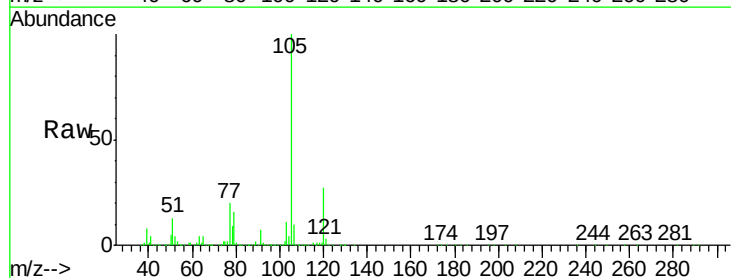
Acq: 29 Mar 2021 13:12

Tgt Ion:105 Resp: 5554398

Ion Ratio Lower Upper

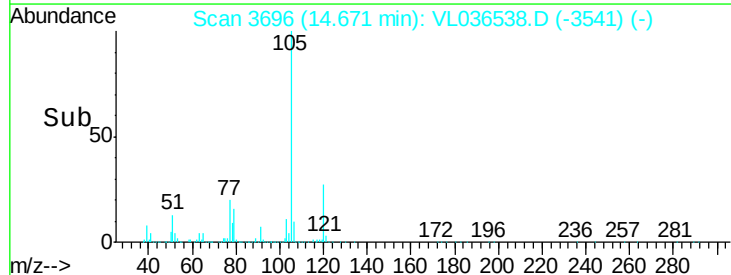
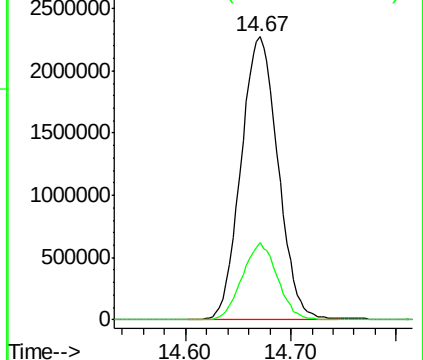
105 100

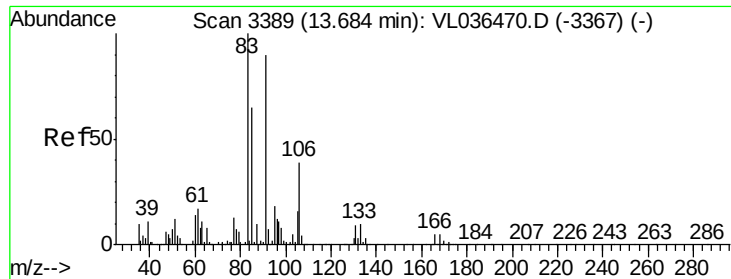
120 26.1 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.949 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

VL0329ABS01

Tot Ion: 83 Resp: 3007028

Ion Ratio Lower Upper

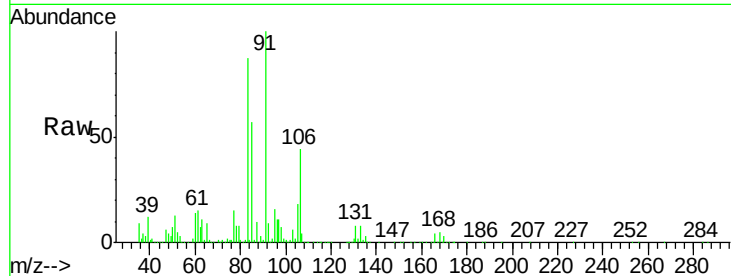
83 100

131 9.2 4.7 14.0

85 66.4 33.1 99.3

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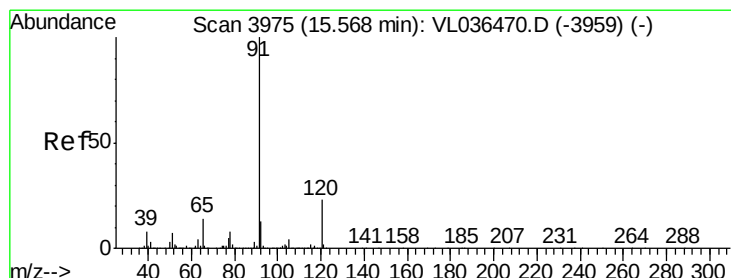
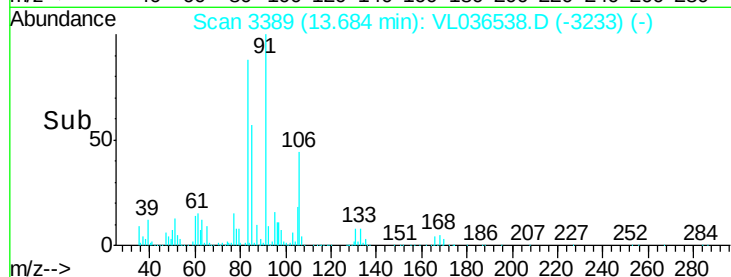
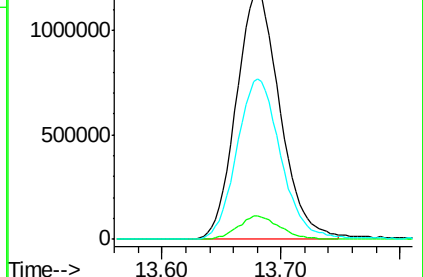
MMDadoda
3/30/2021 7:44:02 PM



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: 10.152 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VL036538.D

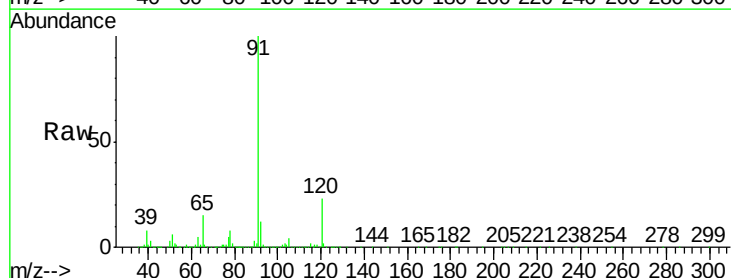
Acq: 29 Mar 2021 13:12

Tgt Ion: 120 Resp: 1472262

Ion Ratio Lower Upper

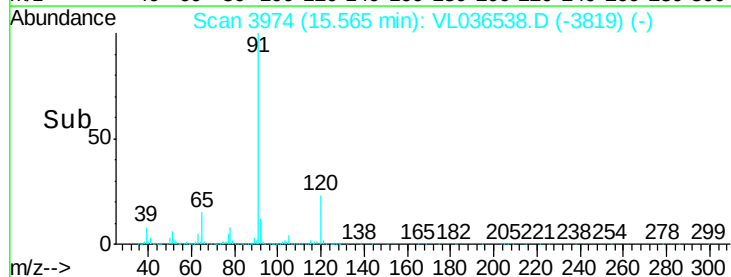
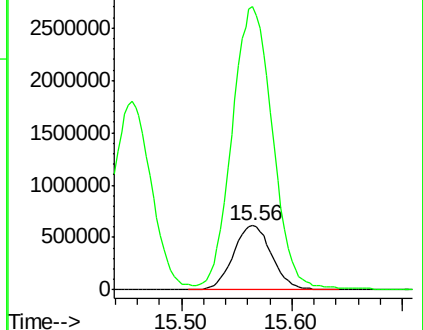
120 100

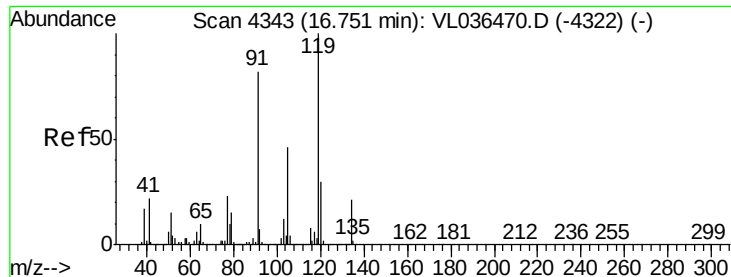
91 469.4 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





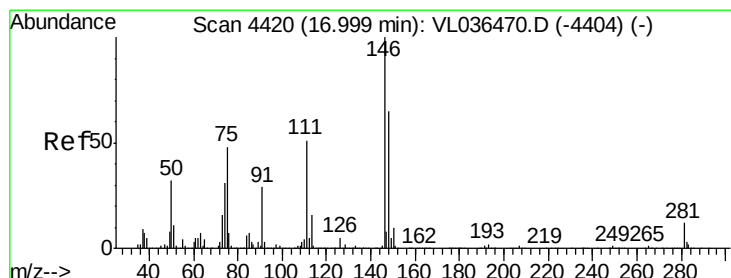
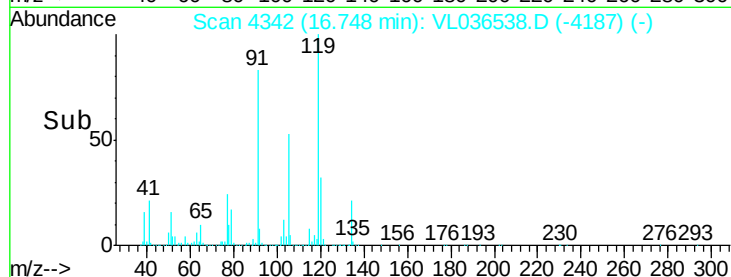
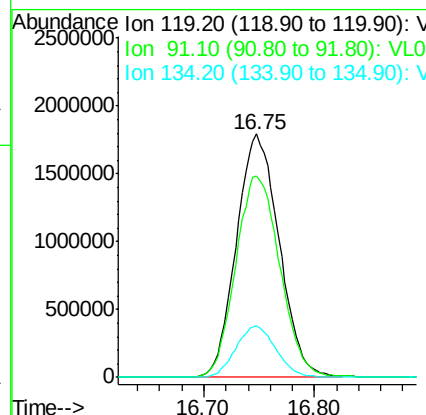
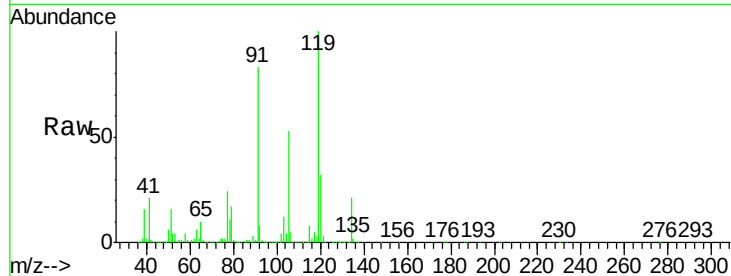
#65
tert-Butylbenzene
Concen: 9.327 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. -0.00 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampleId :
VL0329ABS01

Tot Ion: 119 Resp: 4797544
Ion Ratio Lower Upper
119 100
91 85.9 67.5 101.3
134 20.0 15.8 23.8

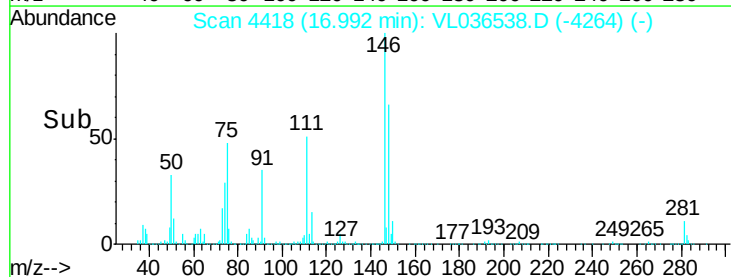
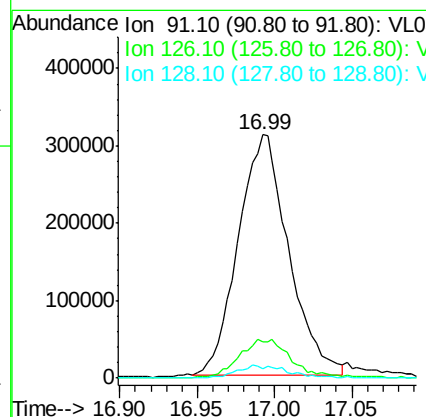
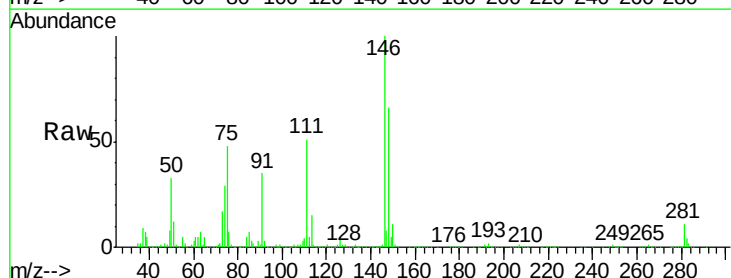
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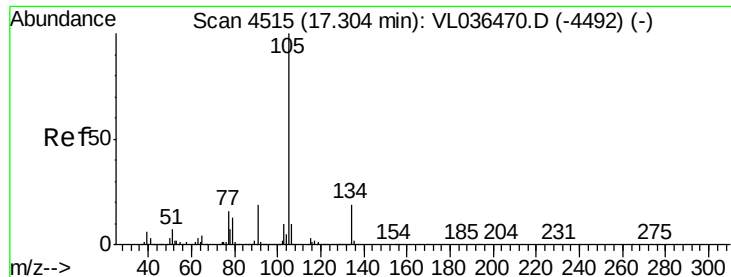
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#66
Benzyl Chloride
Concen: 12.331 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. -0.01 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion: 91 Resp: 701050
Ion Ratio Lower Upper
91 100
126 17.2 13.5 20.3
128 5.5 4.2 6.4





#67

sec-Butylbenzene

Concen: 9.291 ppbv

RT: 17.30 min Scan# 4513

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

VL0329ABS01

Tot Ion:105 Resp: 6745477

Ion Ratio Lower Upper

105 100

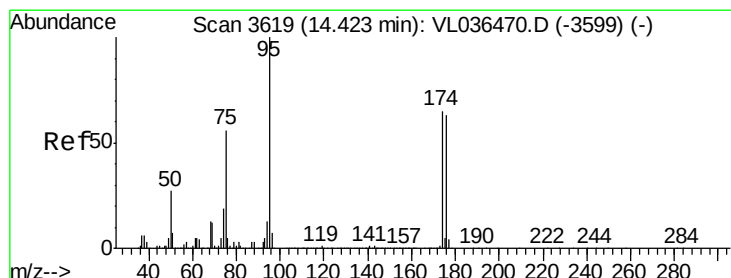
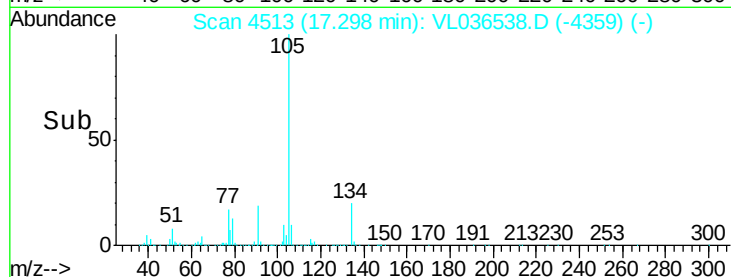
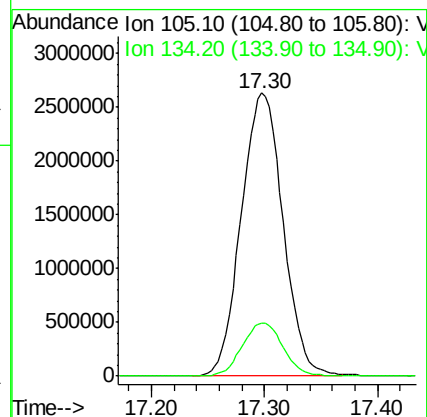
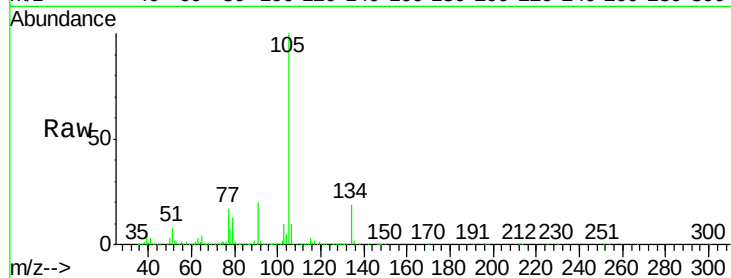
134 18.4 14.7 22.1

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.655 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

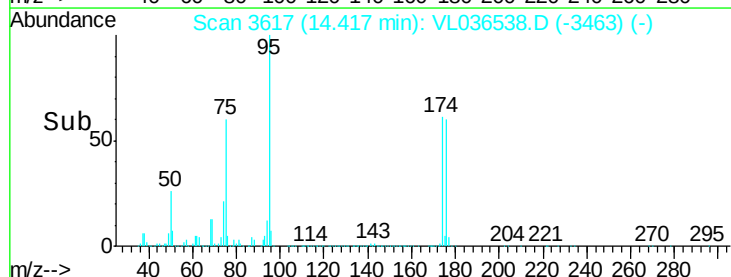
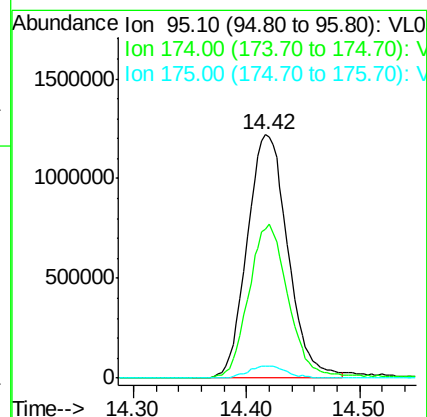
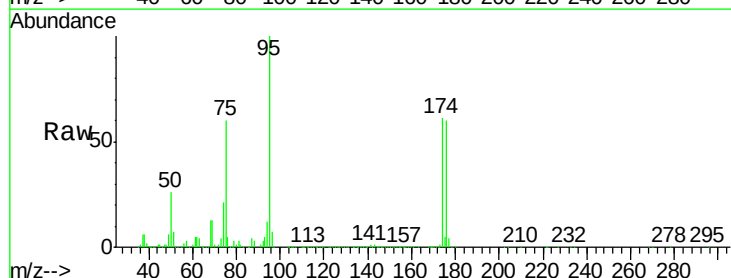
Tgt Ion: 95 Resp: 3048638

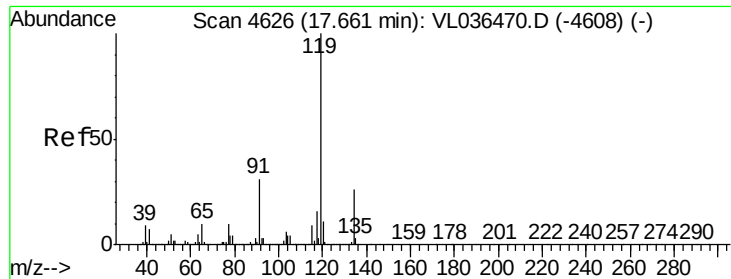
Ion Ratio Lower Upper

95 100

174 63.0 51.0 76.6

175 4.9 3.9 5.9





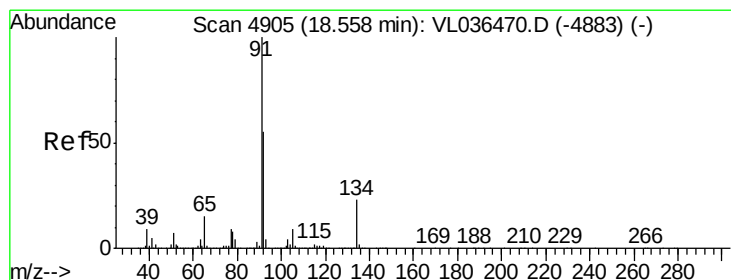
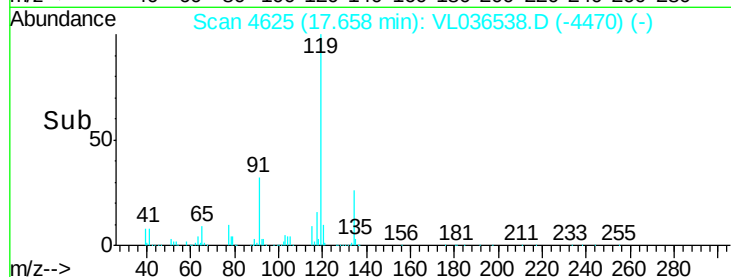
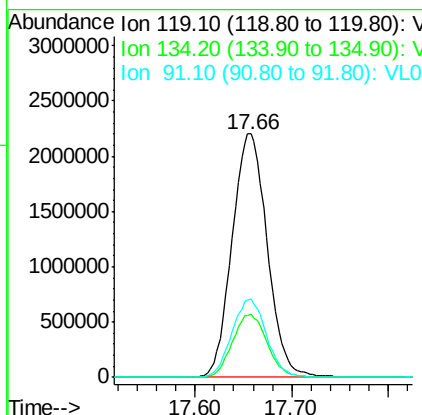
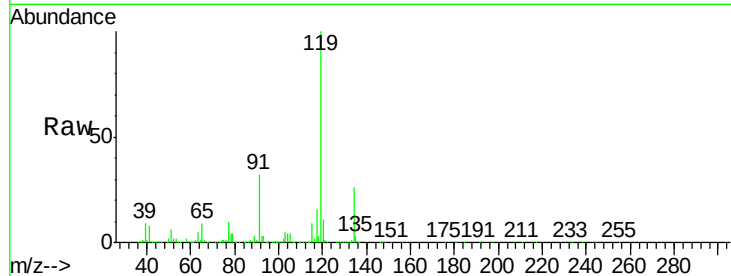
#69
 p-Isopropyltoluene
 Concen: 9.814 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. -0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0329ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	30.8
91	31.5	25.0	37.6

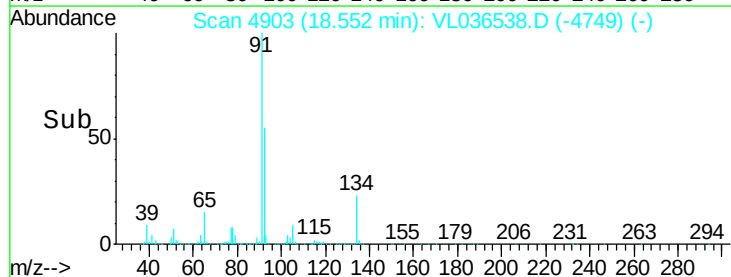
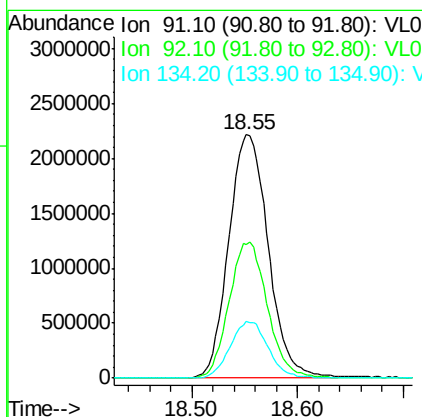
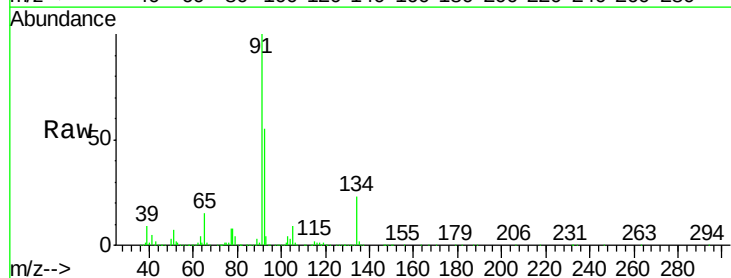
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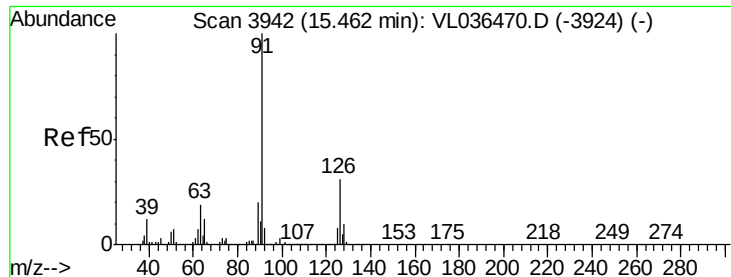
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#70
 n-Butylbenzene
 Concen: 9.774 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	43.8	65.8
134	22.5	18.0	27.0





#71

2-Chlorotoluene

Concen: 9.737 ppbv

RT: 15.46 min Scan# 3940

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

VL0329ABS01

Tot Ion: 91 Resp: 4327905

Ion Ratio Lower Upper

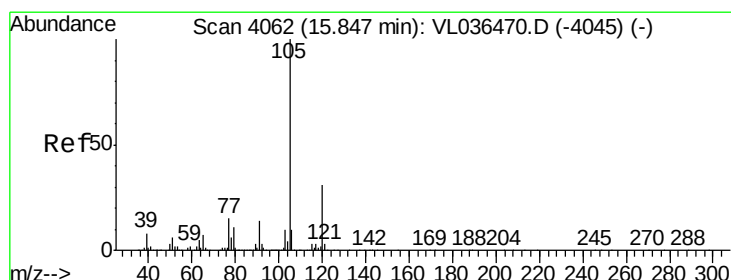
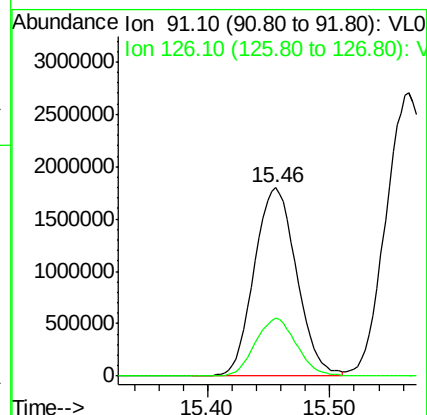
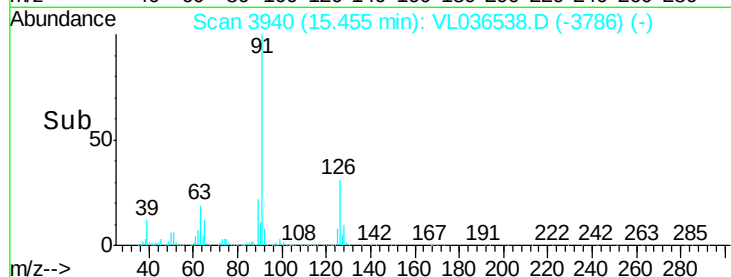
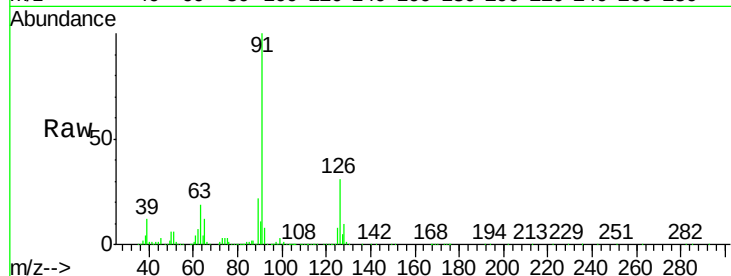
91 100

126 30.1 12.1 48.5

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#72

4-Ethyltoluene

Concen: 10.012 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Tgt Ion: 105 Resp: 4832140

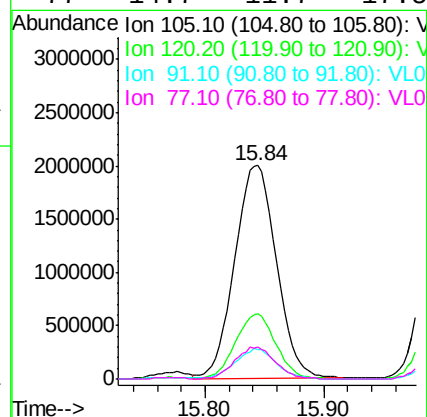
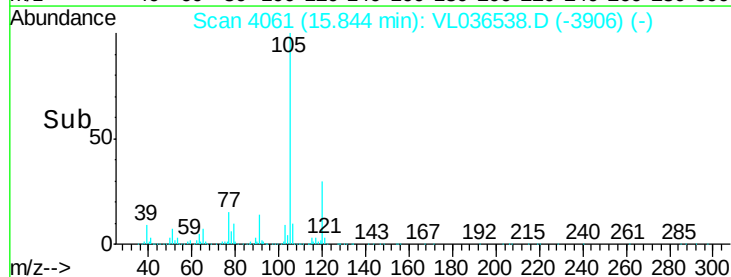
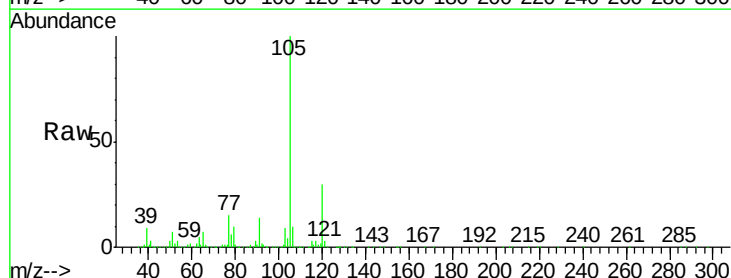
Ion Ratio Lower Upper

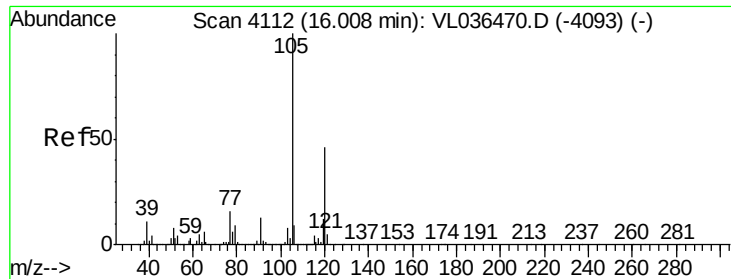
105 100

120 29.8 24.0 36.0

91 14.9 11.0 16.4

77 14.7 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 9.697 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. -0.01 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Instrument :

MSVOA_L

ClientSampleId :

VL0329ABS01

Tot Ion:105 Resp: 4368433

Ion Ratio Lower Upper

105 100

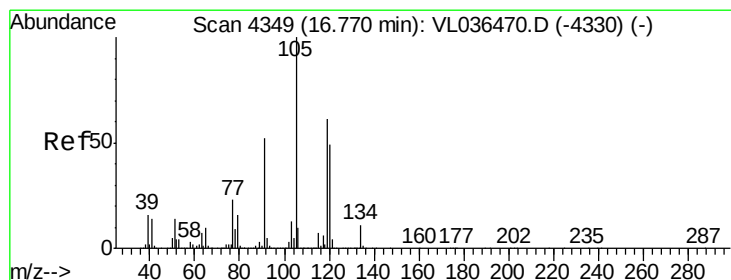
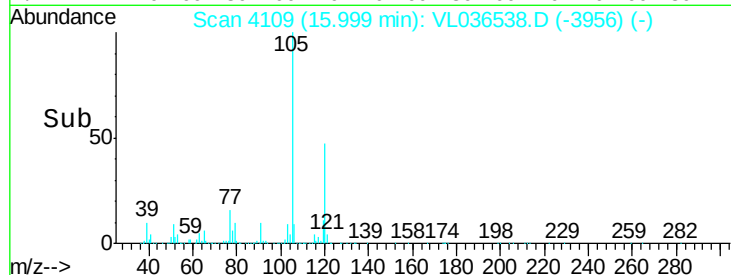
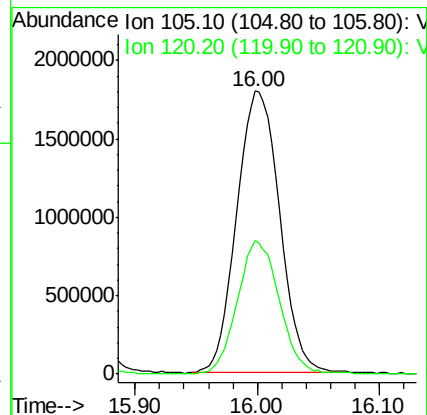
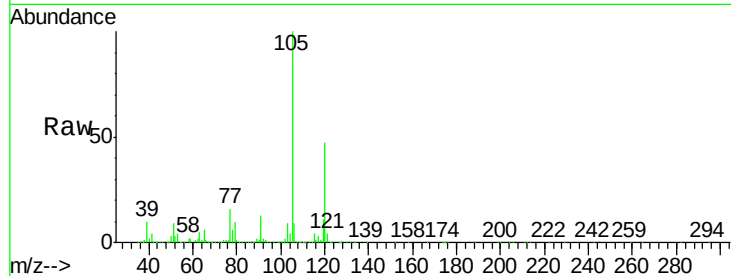
120 47.5 36.6 54.8

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#74

1,2,4-Trimethylbenzene

Concen: 9.343 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.00 min

Lab File: VL036538.D

Acq: 29 Mar 2021 13:12

Tgt Ion:105 Resp: 4503771

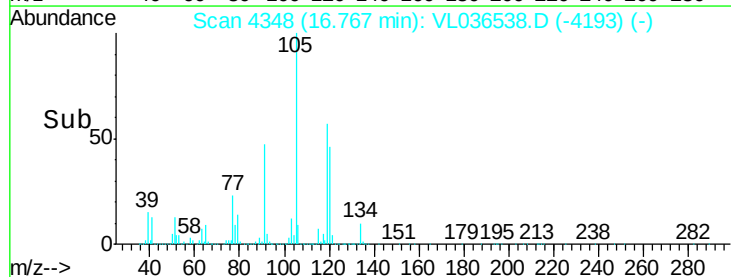
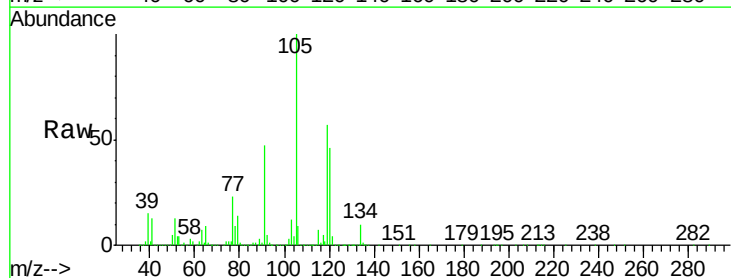
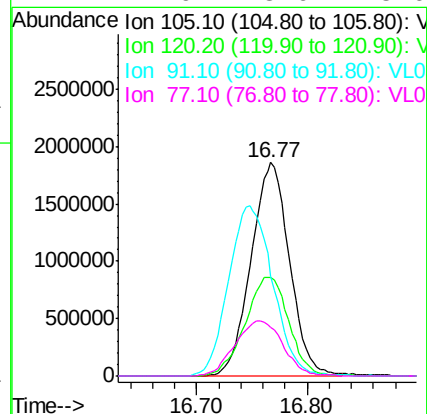
Ion Ratio Lower Upper

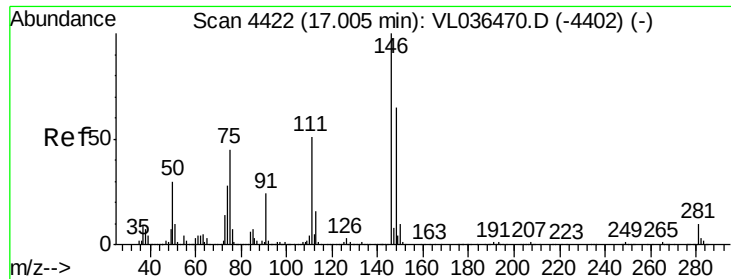
105 100

120 46.3 39.2 58.8

91 46.6 42.6 64.0

77 22.9 18.6 28.0





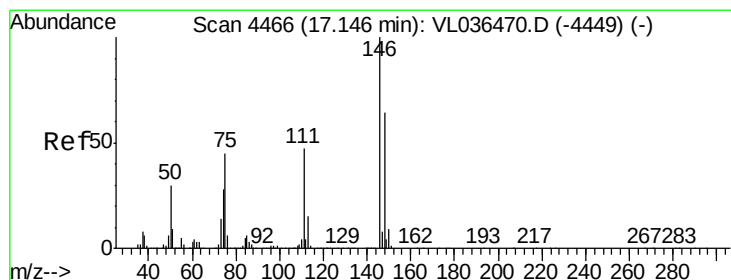
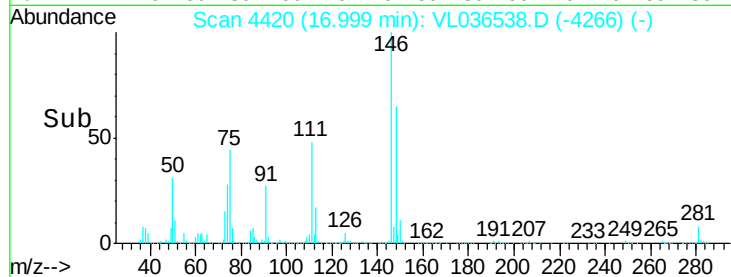
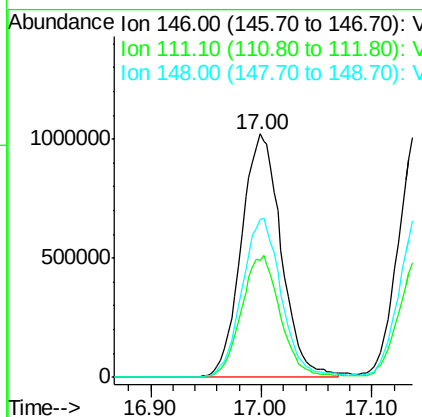
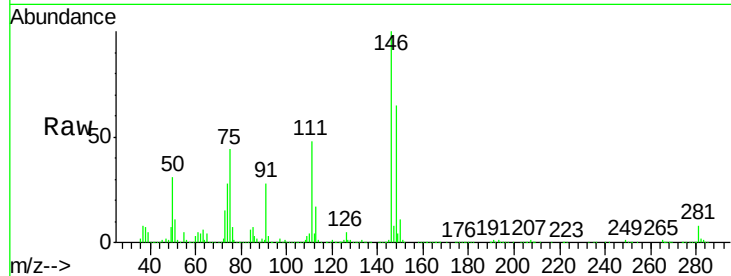
#75
 1,3-Dichlorobenzene
 Concen: 9.423 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0329ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.5	73.5
148	64.6	32.3	96.9

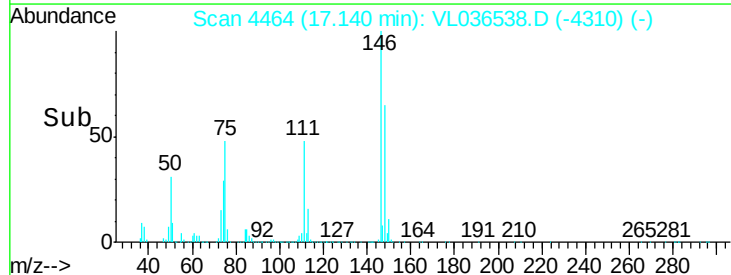
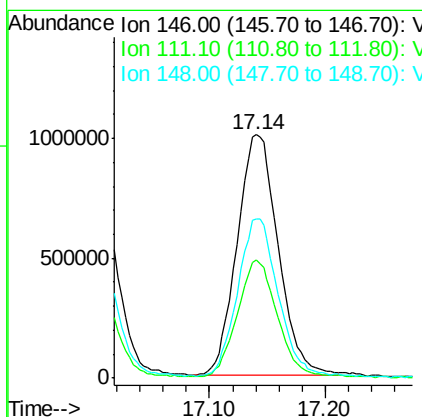
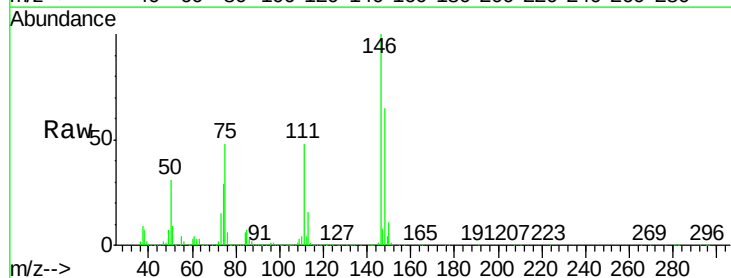
Manual Integrations
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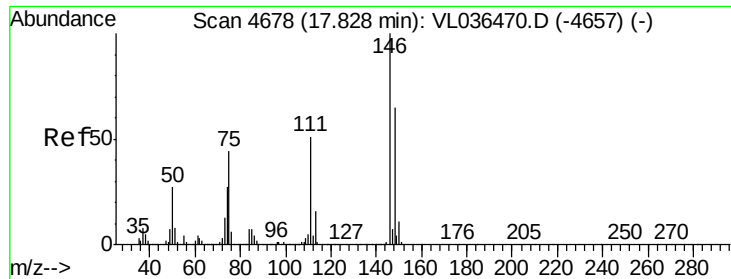
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#76
 1,4-Dichlorobenzene
 Concen: 9.165 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.3	72.8
148	66.6	33.0	98.9





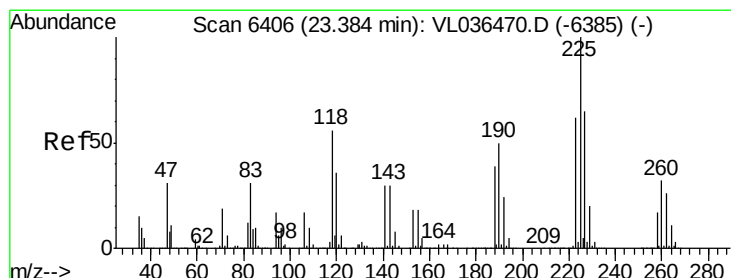
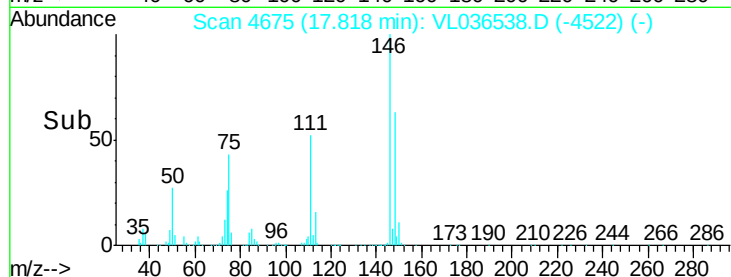
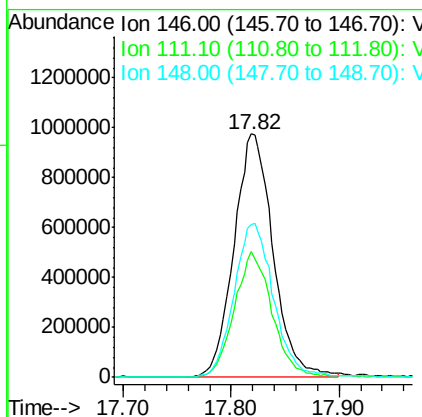
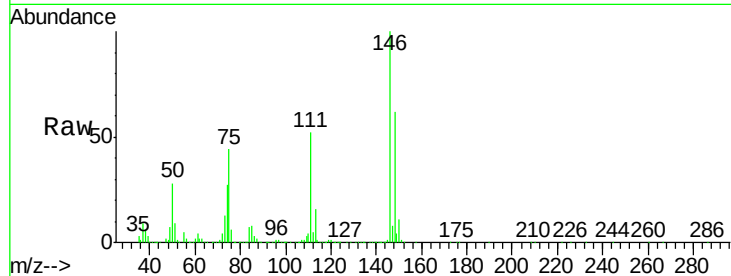
#77
 1,2-Dichlorobenzene
 Concen: 9.604 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0329ABS01

Tot Ion:146 Resp: 2449598
 Ion Ratio Lower Upper
 146 100
 111 50.3 25.5 76.5
 148 64.2 32.9 98.6

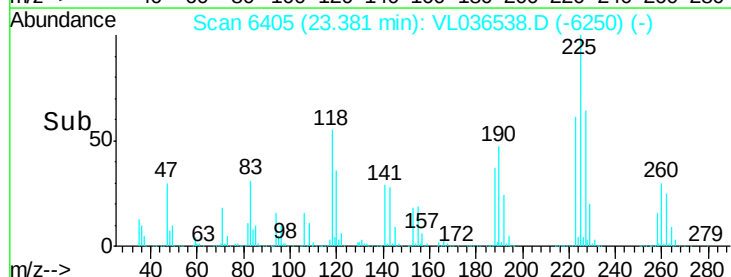
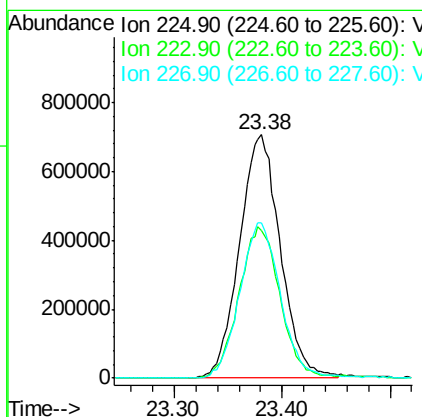
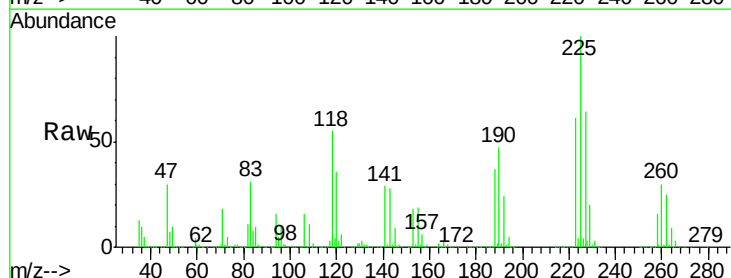
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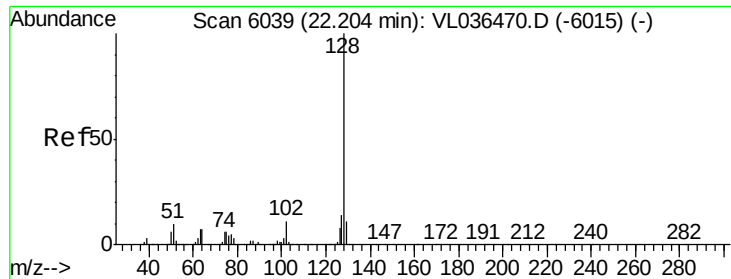
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.128 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. -0.00 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Tgt Ion:225 Resp: 1856584
 Ion Ratio Lower Upper
 225 100
 223 63.6 50.6 75.8
 227 64.3 52.2 78.2





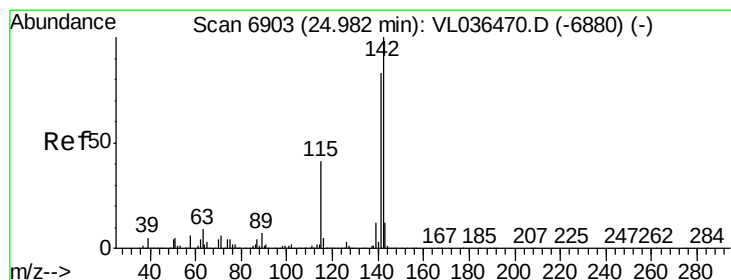
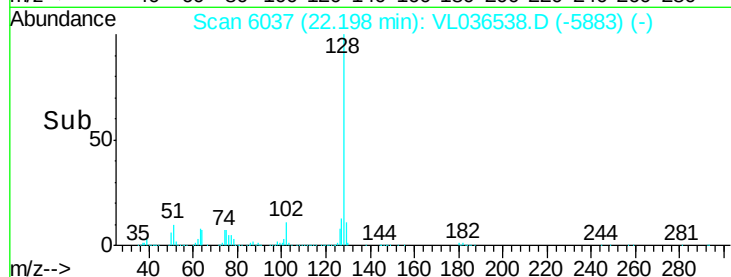
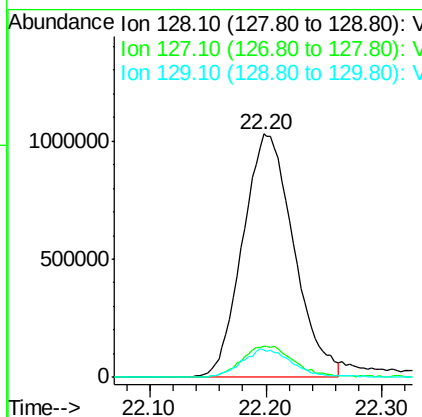
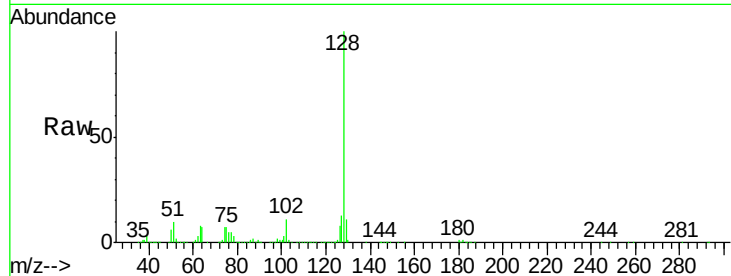
#79
Naphthalene
Concen: 11.176 ppbv
RT: 22.20 min Scan# 6037
Delta R.T. -0.01 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Instrument :
MSVOA_L
ClientSampleId :
VL0329ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.9	16.3
129	11.3	9.0	13.4

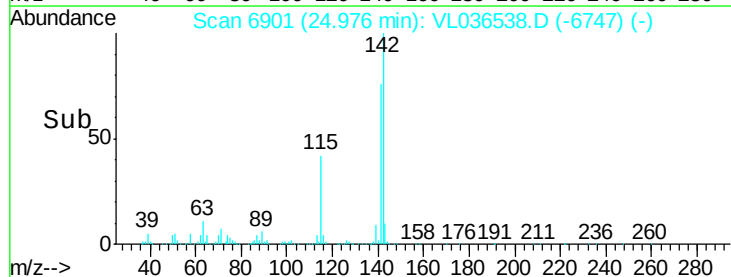
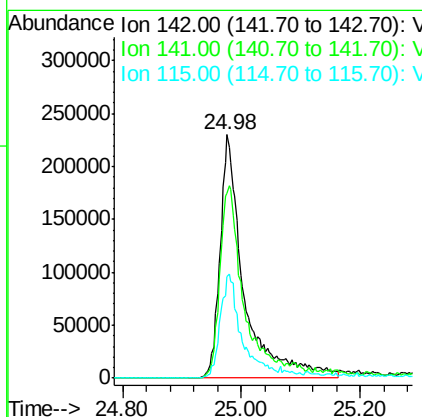
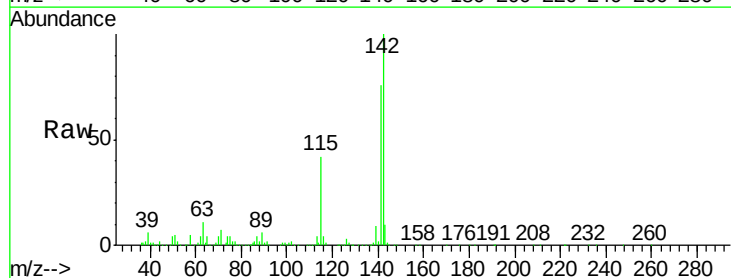
Manual Integrations
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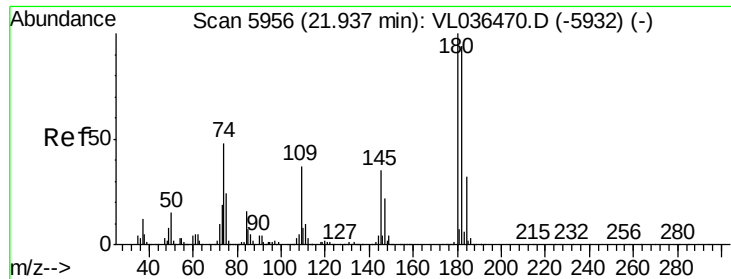
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#80
Naphthalene, 2-methyl-
Concen: 11.633 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.01 min
Lab File: VL036538.D
Acq: 29 Mar 2021 13:12

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.1	67.8	101.8
115	37.7	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 10.384 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. -0.01 min
 Lab File: VL036538.D
 Acq: 29 Mar 2021 13:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0329ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.5	80.8	121.2
184	32.0	25.0	37.4

Manual Integrations
 APPROVED

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