

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090921\
 Data File : VL037596.D
 Acq On : 9 Sep 2021 13:24
 Operator : SY/AP
 Sample : VL0909ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0909ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 6:37:10 PM

Quant Time: Sep 10 02:54:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 10 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1490121	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4511197	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	4201448	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2990608	10.02	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1838631	7.690	ppbv	94
3) Chlorodifluoromethane	3.00	51	2900231	10.164	ppbv	100
4) Chloromethane	3.15	50	1056834	10.365	ppbv	94
5) Vinyl Chloride	3.27	62	1090508	10.439	ppbv	97
6) Bromomethane	3.48	94	591259	10.332	ppbv	100
7) Chloroethane	3.57	64	368066	10.323	ppbv	94
8) Dichlorotetrafluoroethane	3.20	85	2388061	9.675	ppbv	99
9) Propene	3.02	41	1062247	10.405	ppbv	97
10) Heptane	8.14	43	2669224	11.359	ppbv	98
11) Trichlorofluoromethane	3.96	101	2186481	9.742	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1777240	10.792	ppbv	98
13) Ethanol	3.62	45	104656m	10.534	ppbv	
14) Bromoethene	3.75	108	749402	10.023	ppbv	98
15) Acetone	3.86	43	1278748	8.432	ppbv	99
16) 1,3-Butadiene	3.34	39	1044205	10.734	ppbv	98
17) tert-Butyl alcohol	4.30	59	1581737	11.418	ppbv	100
18) 1,1-Dichloroethene	4.30	96	786258	10.510	ppbv	98
19) Isopropyl Alcohol	3.98	45	876552	10.089	ppbv #	97
20) Methylene Chloride	4.36	84	669683	8.820	ppbv	97
21) Allyl Chloride	4.42	41	1299070	10.547	ppbv	95
22) trans-1,2-Dichloroethene	4.90	96	832863	11.159	ppbv	97
23) Vinyl Acetate	5.09	43	2158081	9.654	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1656409	10.217	ppbv	99
25) Ethyl Acetate	5.69	43	4036274	10.484	ppbv	99
26) Hexane	5.70	57	1942763	10.321	ppbv	99
27) Carbon Disulfide	4.56	76	1936517	11.544	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1719219	9.510	ppbv	99
29) Chloroform	5.77	83	2690498	10.086	ppbv	99
30) Cyclohexane	7.14	84	1676961	10.692	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1796493	10.545	ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	2619856	9.996	ppbv	99
34) 2-Butanone	5.26	43	1428480	7.754	ppbv	99
35) Carbon Tetrachloride	7.03	117	2717094	10.191	ppbv	97
36) Benzene	6.91	78	4062473	10.712	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1971528	10.495	ppbv	100
38) Trichloroethene	7.85	130	1618296	10.401	ppbv	97
39) 1,2-Dichloropropane	7.63	63	1536394	10.543	ppbv	99
40) 1,4-Dioxane	7.85	88	298038m	8.348	ppbv	
41) Tetrahydrofuran	6.06	42	956781	10.782	ppbv	99
42) Bromodichloromethane	7.81	83	2889664	10.520	ppbv	95
43) Methyl Methacrylate	8.03	69	1458815	11.037	ppbv	98

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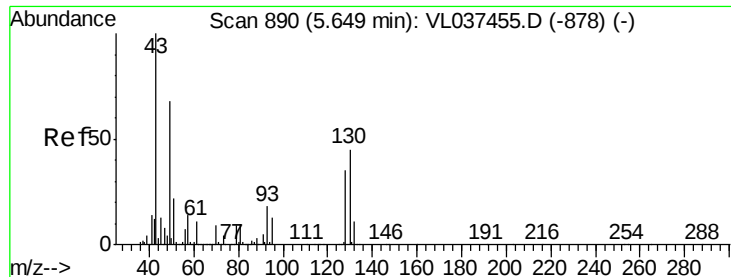
Manual Integrations
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Quant Time: Sep 10 02:54:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 10 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	6717433	10.525	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1281567	12.880	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1696090	12.220	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	1605367	10.196	ppbv	99
48) Dibromochloromethane	10.32	129	2524842	11.143	ppbv	100
49) Bromoform	13.05	173	1992430	11.155	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2671790	11.117	ppbv	99
51) 2-Hexanone	10.15	43	1262608	11.422	ppbv #	99
52) Tetrachloroethene	11.23	164	1518158	9.769	ppbv	95
53) Toluene	9.82	91	4687335	10.825	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2330990	10.604	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1730208	9.883	ppbv	99
57) Chlorobenzene	12.16	112	3417231	9.801	ppbv	98
58) Ethyl Benzene	12.73	91	5935255	10.180	ppbv	99
59) m/p-Xylene	13.01	91	9802567m	19.393	ppbv	
60) o-Xylene	13.71	91	4633371	9.821	ppbv	98
61) Styrene	13.54	104	2620963	10.695	ppbv	99
62) Isopropylbenzene	14.68	105	6196590	9.307	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.69	83	3135939	8.944	ppbv	99
64) n-propylbenzene	15.57	120	1625952	9.596	ppbv	93
65) tert-Butylbenzene	16.76	119	5435472	8.964	ppbv	99
66) Benzyl Chloride	17.00	91	340771	12.423	ppbv	97
67) sec-Butylbenzene	17.31	105	7507748	8.861	ppbv	100
69) p-Isopropyltoluene	17.67	119	6257359	9.063	ppbv	99
70) n-Butylbenzene	18.56	91	6140918	9.307	ppbv	100
71) 2-Chlorotoluene	15.47	91	4501953	9.220	ppbv	99
72) 4-Ethyltoluene	15.85	105	5135971	9.153	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	4943420	9.464	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	4978460	8.969	ppbv	94
75) 1,3-Dichlorobenzene	17.01	146	2829241	8.468	ppbv	97
76) 1,4-Dichlorobenzene	17.15	146	2944573	8.749	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2832833	8.611	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	2519574	9.211	ppbv	99
79) Naphthalene	22.21	128	4804106	12.934	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	1140325	11.020	ppbv	92
81) 1,2,4-Trichlorobenzene	21.94	180	2640864	11.330	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.03 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VL0909ABS01

Tot Ion: 49 Resp: 1490121

Ion Ratio Lower Upper

49 100

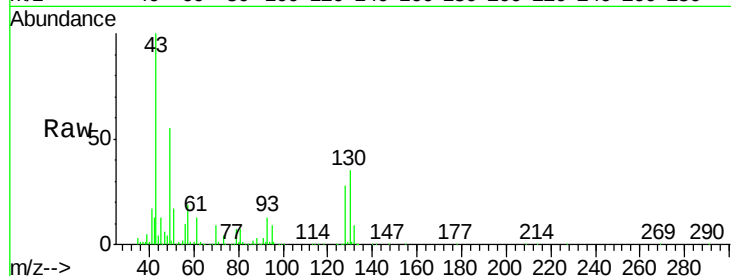
128 54.9 27.5 82.4

130 68.0 34.0 101.8

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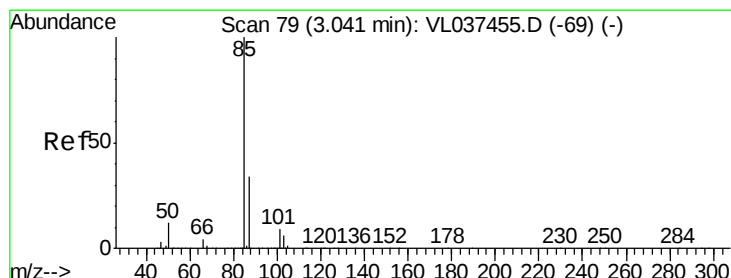
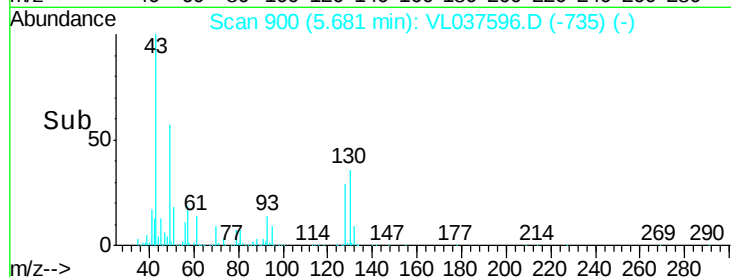
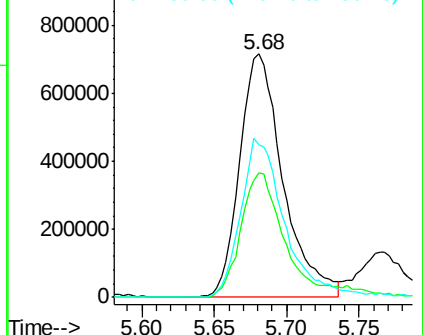
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.690 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL037596.D

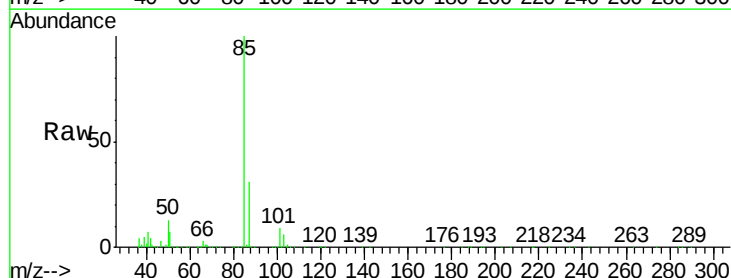
Acq: 9 Sep 2021 13:24

Tgt Ion: 85 Resp: 1838631

Ion Ratio Lower Upper

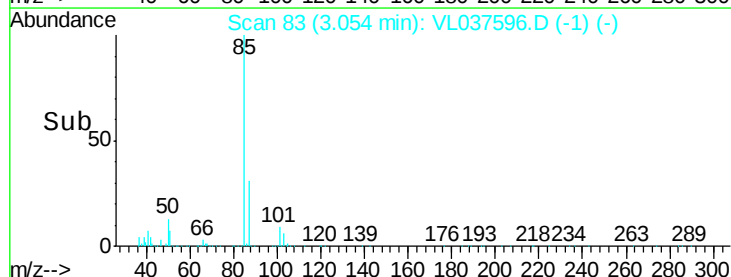
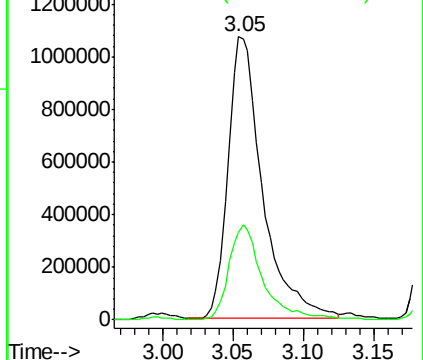
85 100

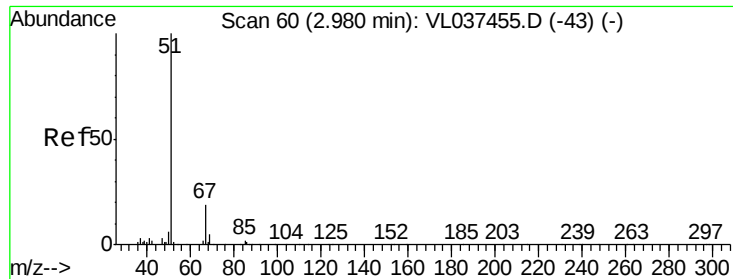
87 31.0 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





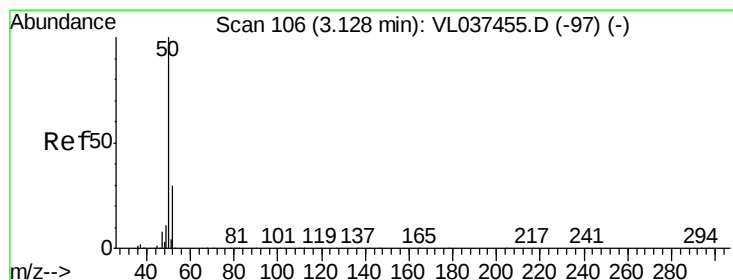
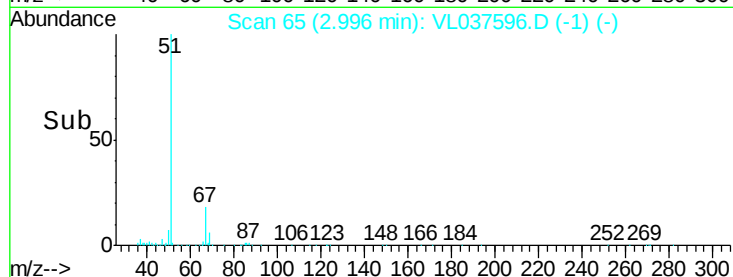
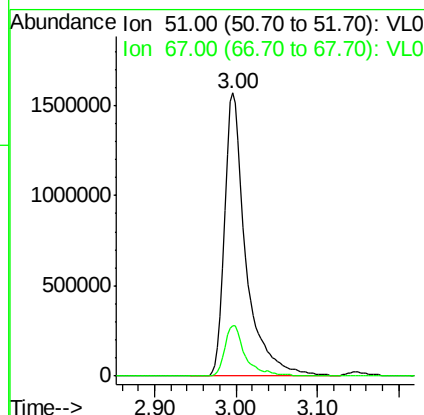
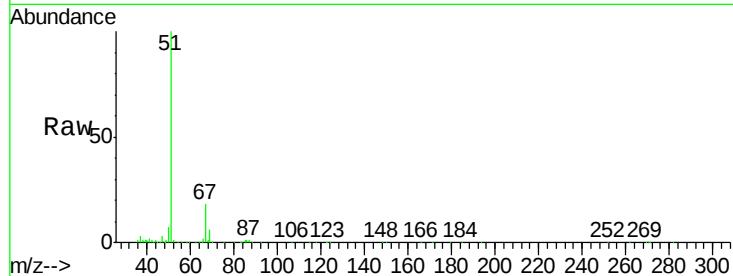
#3
Chlorodifluoromethane
Concen: 10.164 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.02 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampleId :
VL0909ABS01

Tot Ion: 51 Resp: 2900231
Ion Ratio Lower Upper
51 100
67 17.6 14.2 21.2

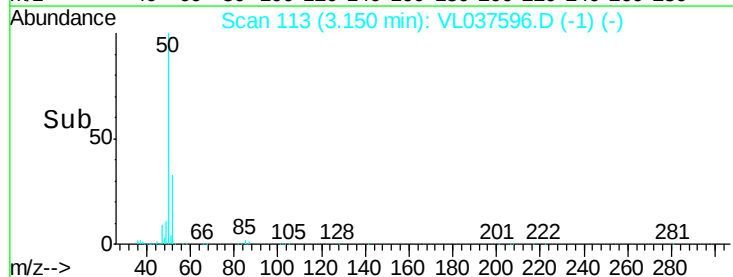
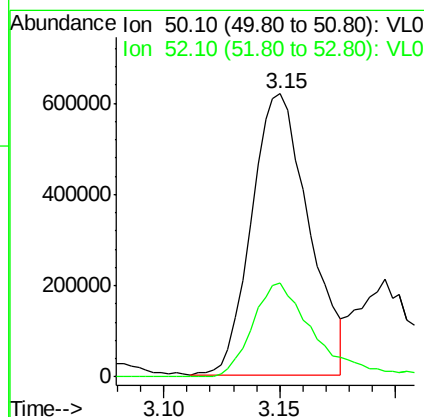
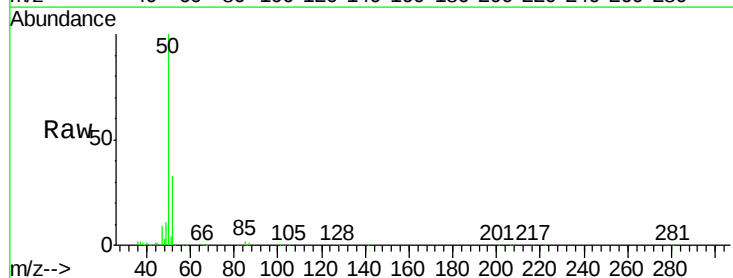
Manual Integrations
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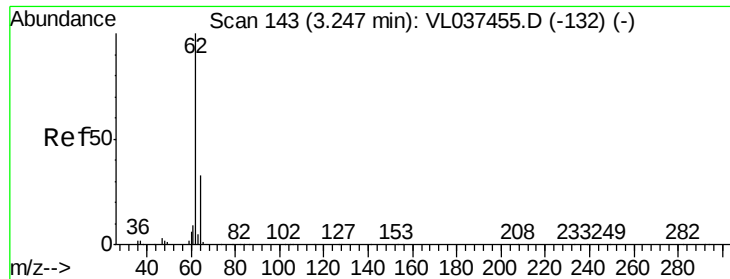
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#4
Chloromethane
Concen: 10.365 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.02 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 50 Resp: 1056834
Ion Ratio Lower Upper
50 100
52 33.4 24.0 36.0





#5

Vinyl Chloride

Concen: 10.439 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.02 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VL0909ABS01

Tot Ion: 62 Resp: 1090508

Ion Ratio Lower Upper

62 100

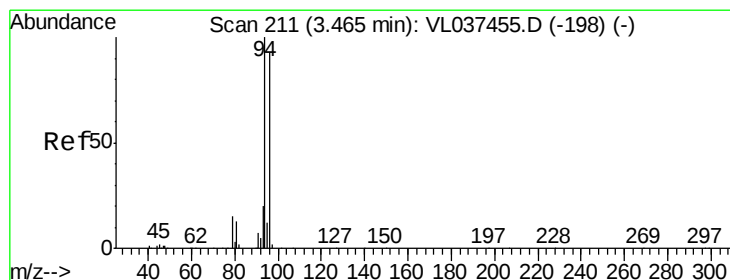
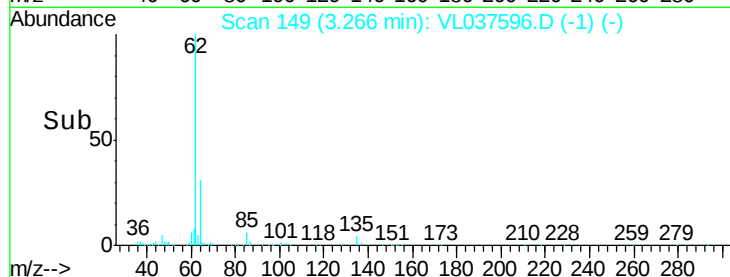
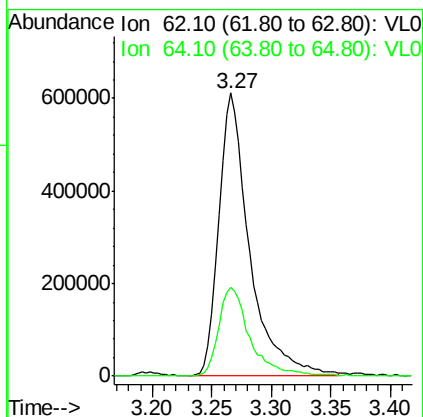
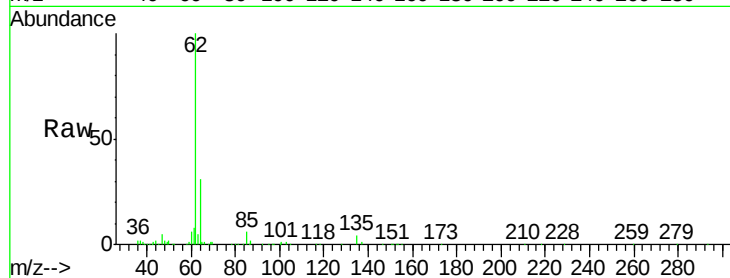
64 31.5 26.5 39.7

Manual Integrations

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#6

Bromomethane

Concen: 10.332 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.02 min

Lab File: VL037596.D

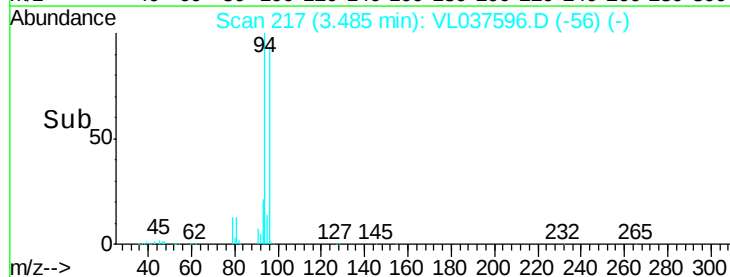
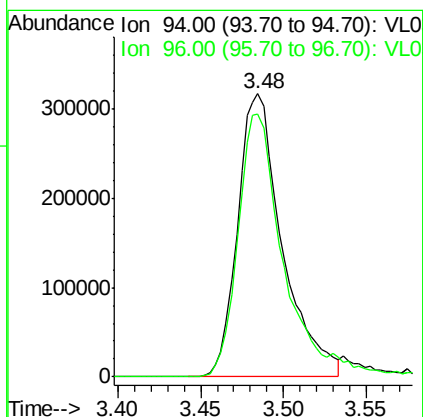
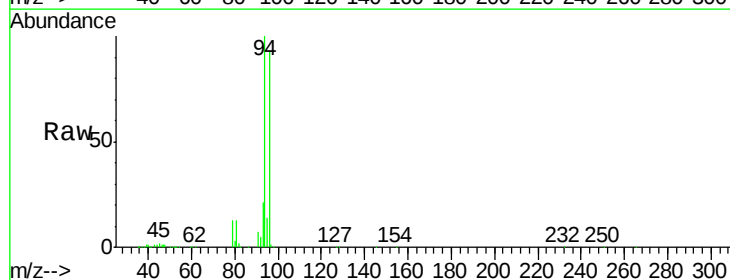
Acq: 9 Sep 2021 13:24

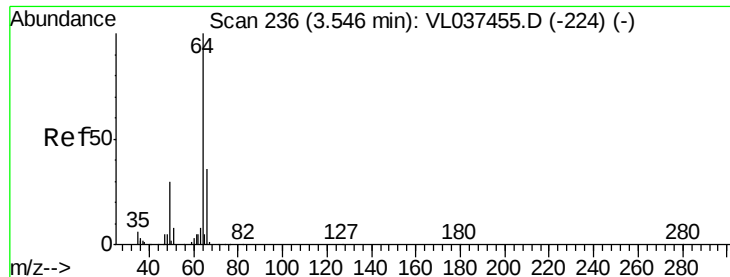
Tgt Ion: 94 Resp: 591259

Ion Ratio Lower Upper

94 100

96 92.7 74.5 111.7





#7

Chloroethane

Concen: 10.323 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.02 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VL0909ABS01

Tot Ion: 64 Resp: 368066

Ion Ratio Lower Upper

64 100

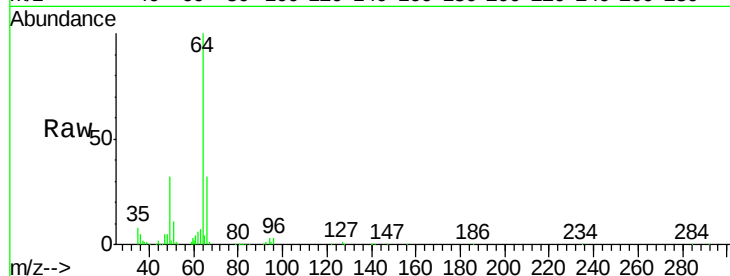
66 32.4 28.6 43.0

Manual Integrations

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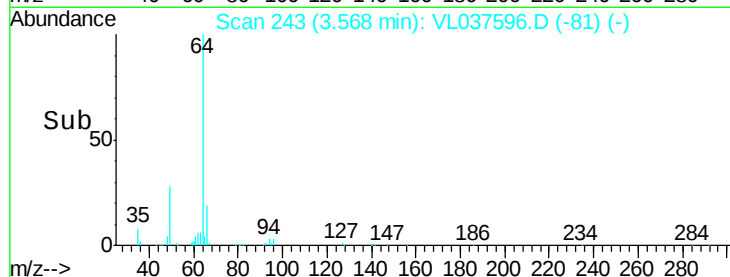
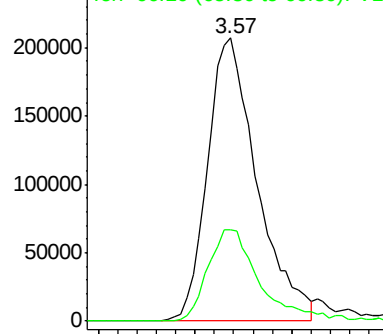
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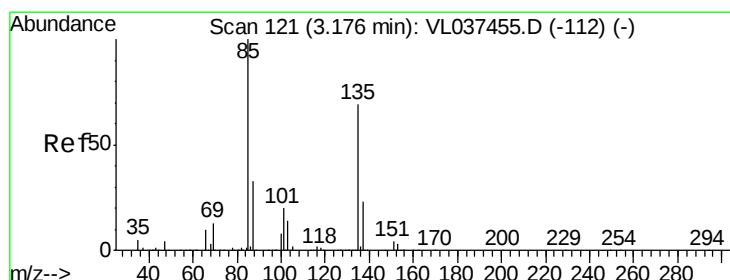


Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.675 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.02 min

Lab File: VL037596.D

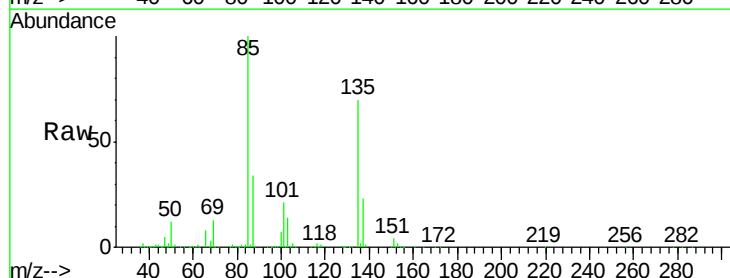
Acq: 9 Sep 2021 13:24

Tgt Ion: 85 Resp: 2388061

Ion Ratio Lower Upper

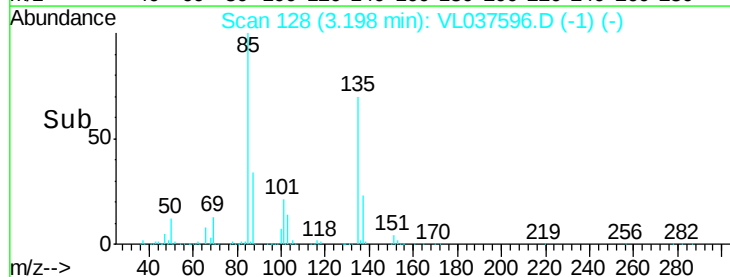
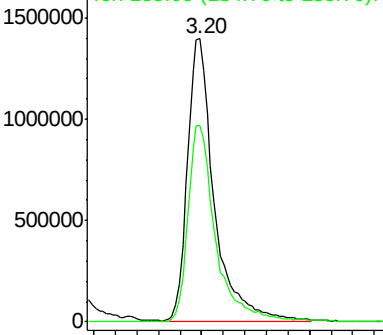
85 100

135 72.9 58.8 88.2

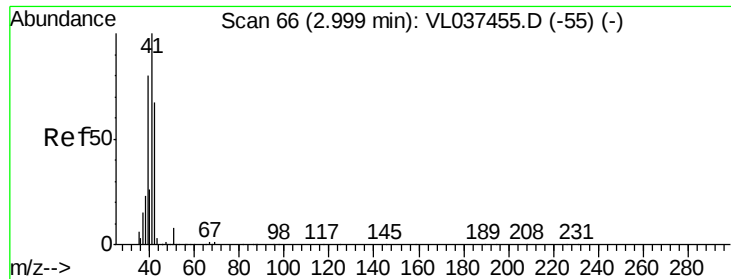


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



Time-->



#9

Propene

Concen: 10.405 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Tot Ion: 41 Resp: 1062247

Ion Ratio Lower Upper

41 100

42 69.8 53.7 80.5

Instrument :

MSVOA_L

ClientSampleId :

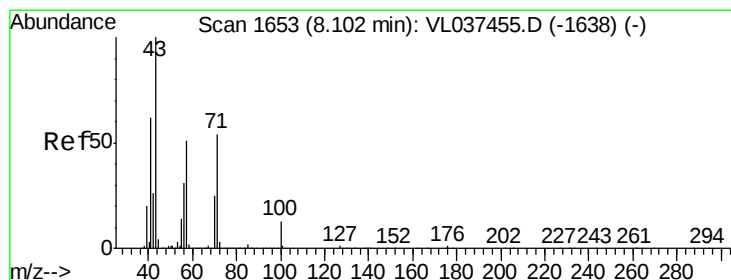
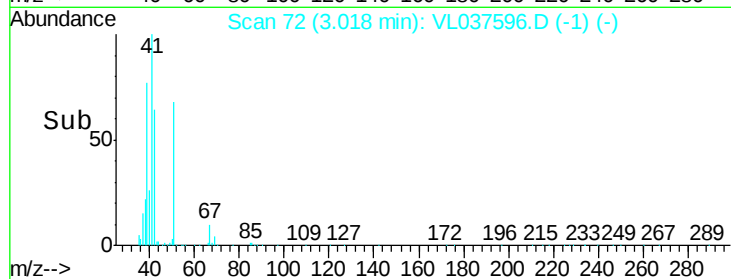
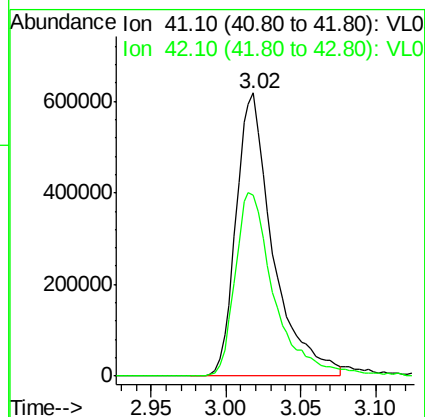
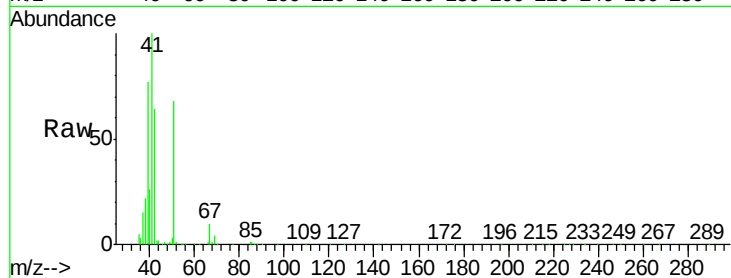
VL0909ABS01

Manual Integrations

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#10

Heptane

Concen: 11.359 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.04 min

Lab File: VL037596.D

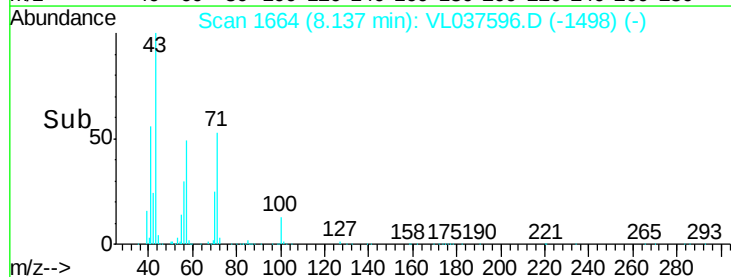
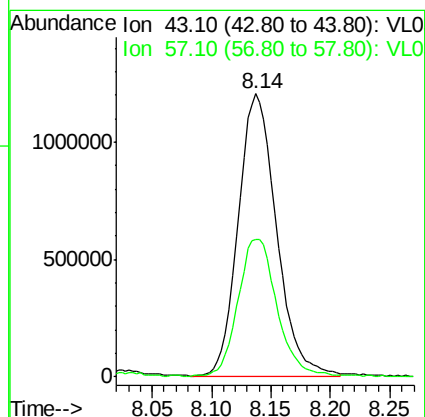
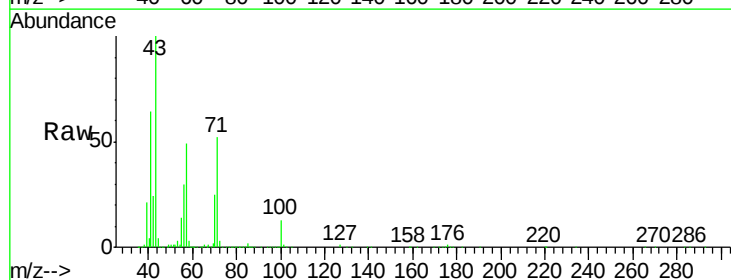
Acq: 9 Sep 2021 13:24

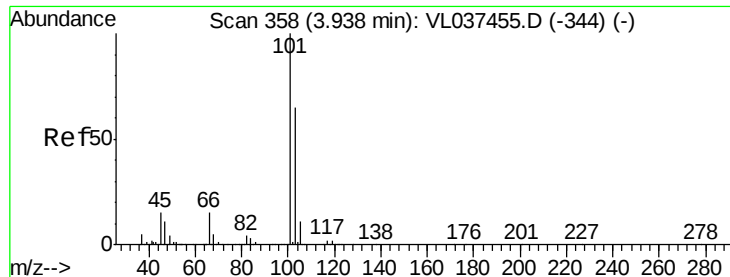
Tgt Ion: 43 Resp: 2669224

Ion Ratio Lower Upper

43 100

57 50.0 41.0 61.6





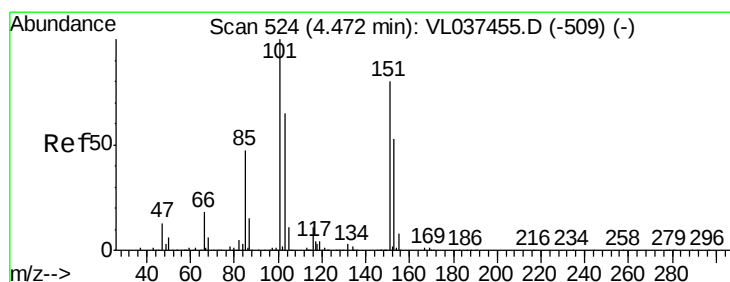
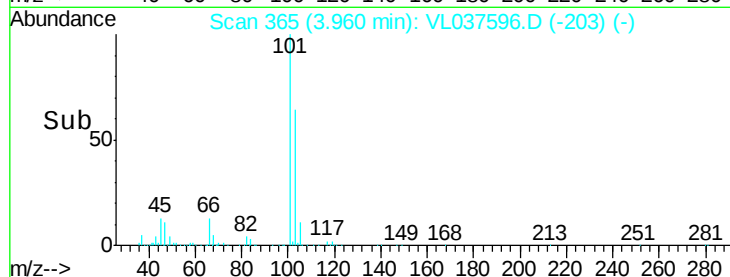
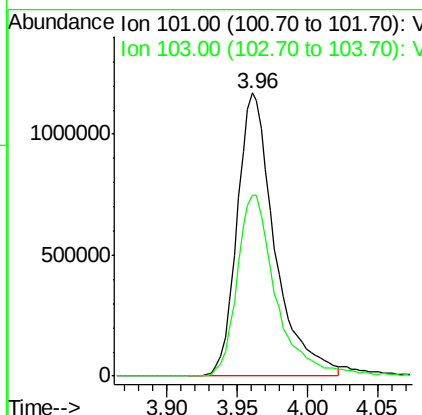
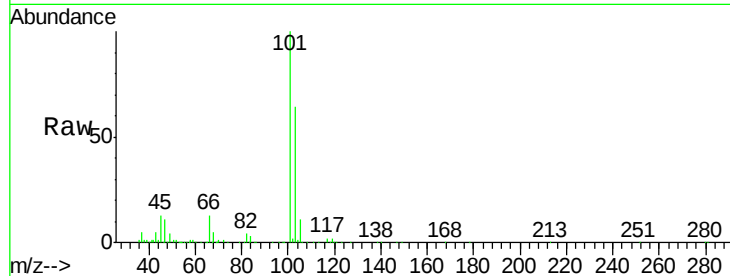
#11
 Trichlorofluoromethane
 Concen: 9.742 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.02 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0909ABS01

Tot Ion:101 Resp: 2186481
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.8 77.6

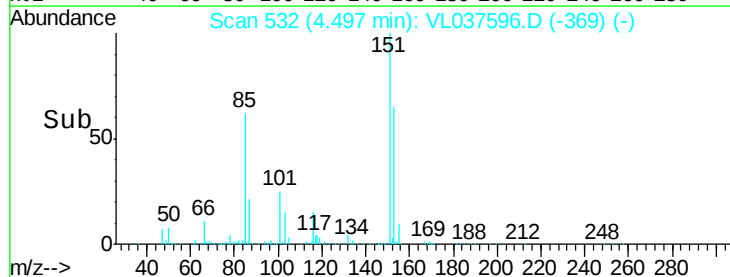
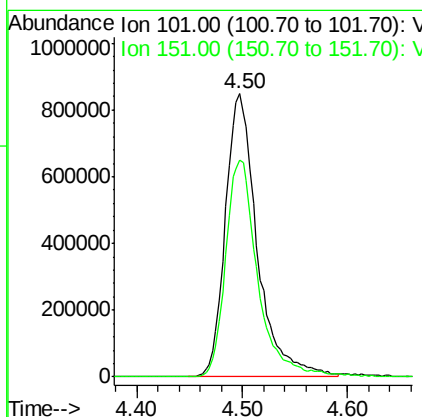
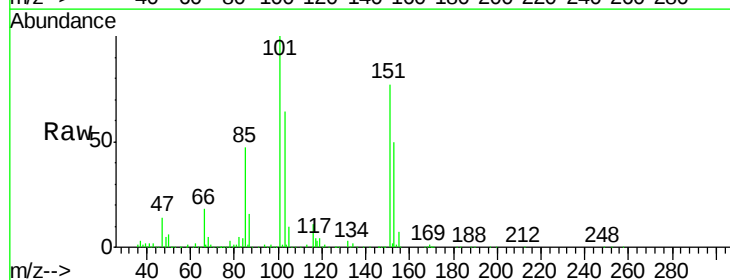
Manual Integrations
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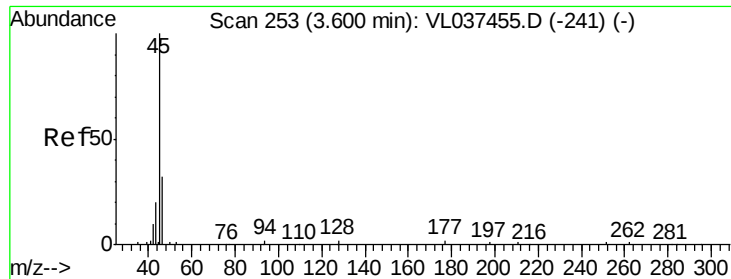
MMDadoda
 9/10/2021 6:37:10 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.792 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.03 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Tgt Ion:101 Resp: 1777240
 Ion Ratio Lower Upper
 101 100
 151 77.7 63.7 95.5





#13

Ethanol

Concen: 10.534 ppbv m

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VL0909ABS01

Tot Ion: 45 Resp: 104656

Ion Ratio Lower Upper

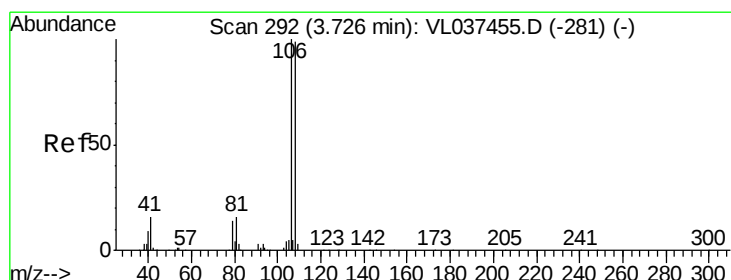
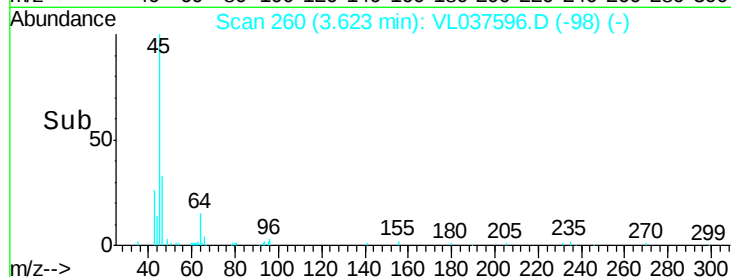
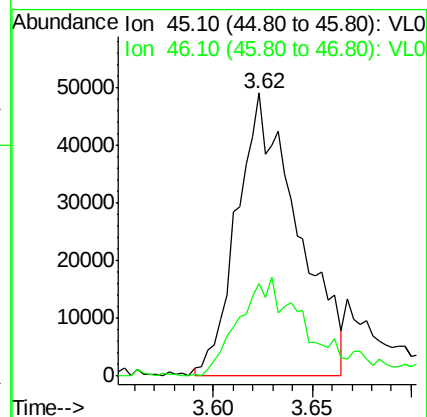
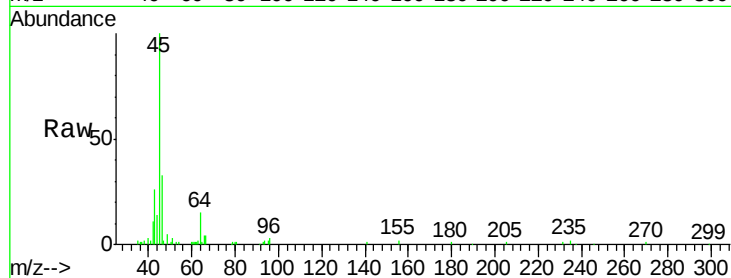
45 100

46 0.0 14.1 56.5#

Manual Integrations
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#14

Bromoethene

Concen: 10.023 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.03 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

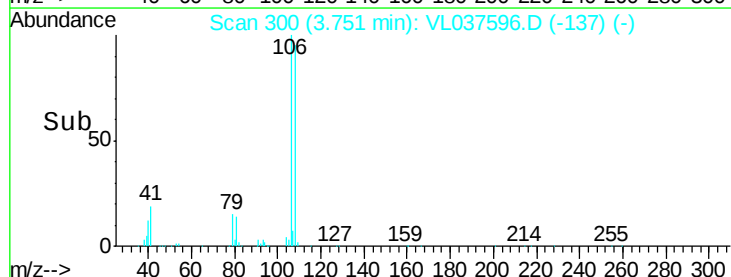
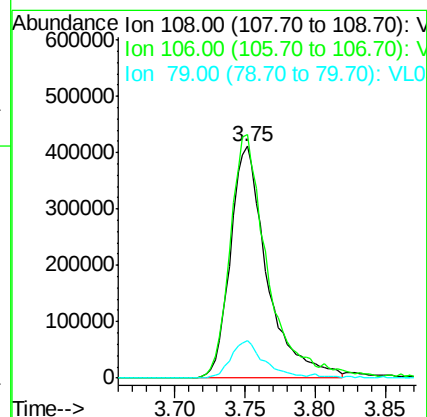
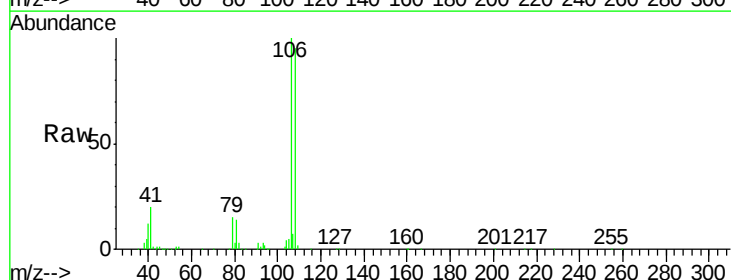
Tgt Ion: 108 Resp: 749402

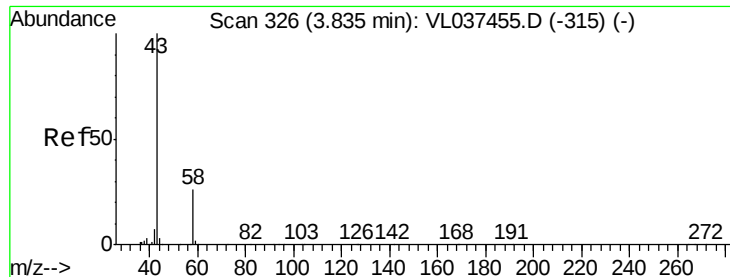
Ion Ratio Lower Upper

108 100

106 109.2 85.8 128.8

79 16.1 12.6 18.8





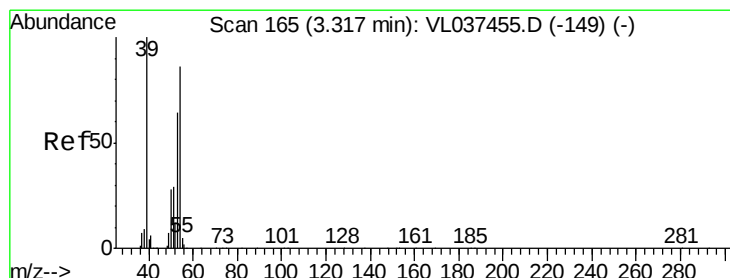
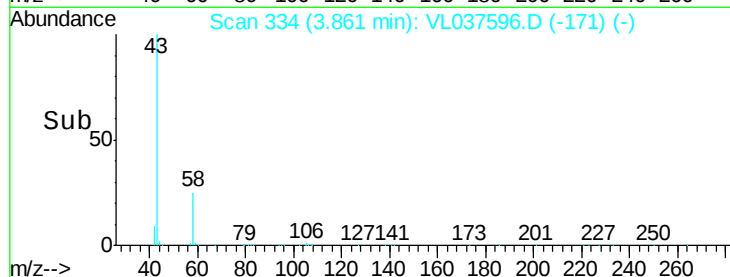
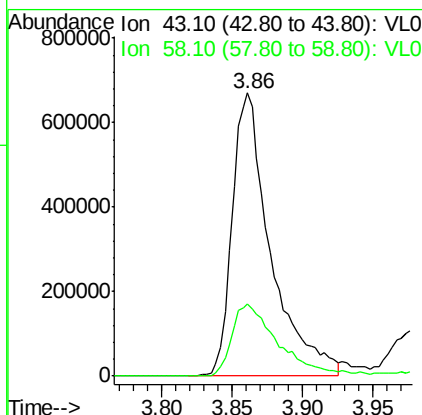
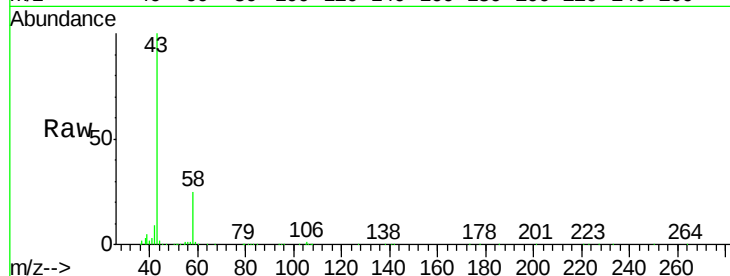
#15
Acetone
Concen: 8.432 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampleId :
VL0909ABS01

Tot Ion: 43 Resp: 1278748
Ion Ratio Lower Upper
43 100
58 31.4 24.8 37.2

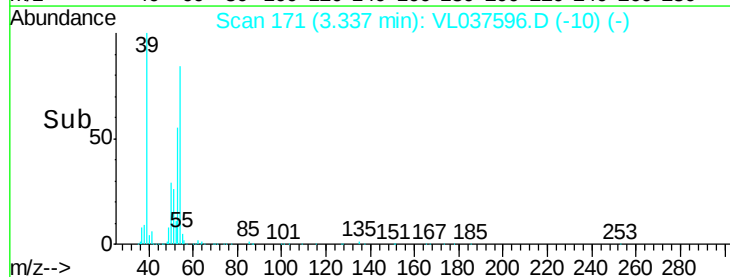
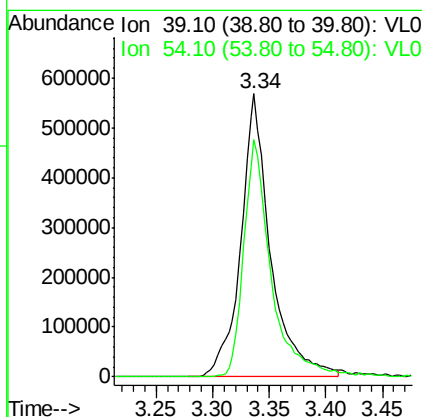
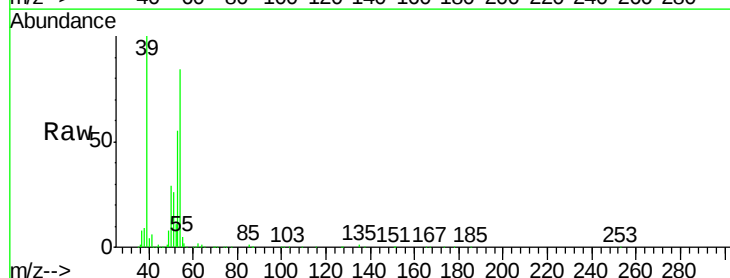
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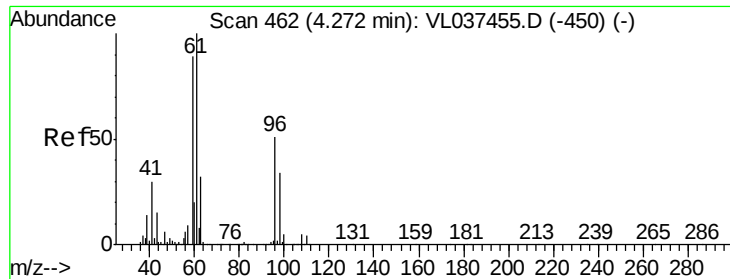
MMDadoda
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#16
1,3-Butadiene
Concen: 10.734 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.02 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 39 Resp: 1044205
Ion Ratio Lower Upper
39 100
54 77.8 63.7 95.5





#17

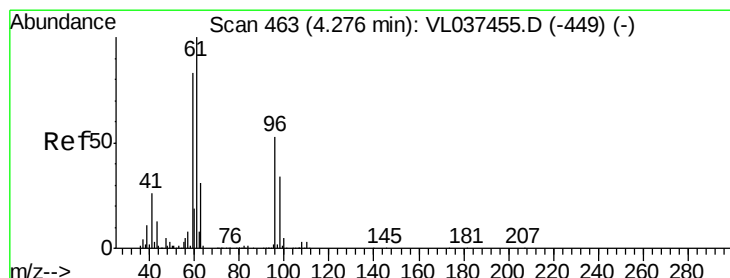
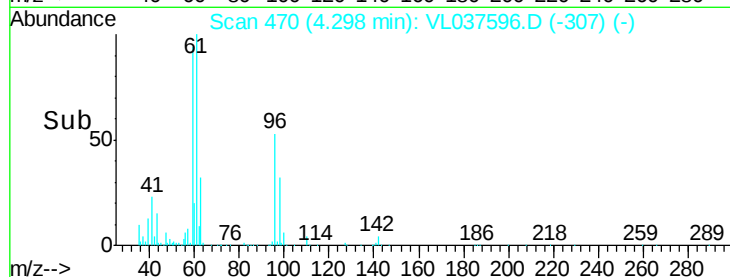
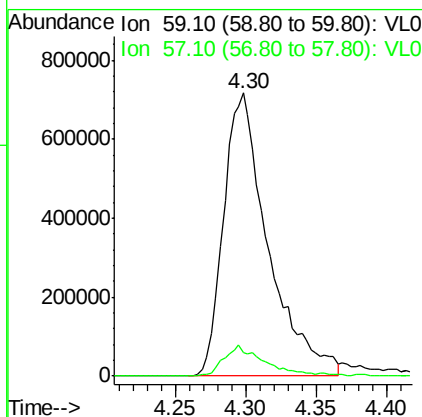
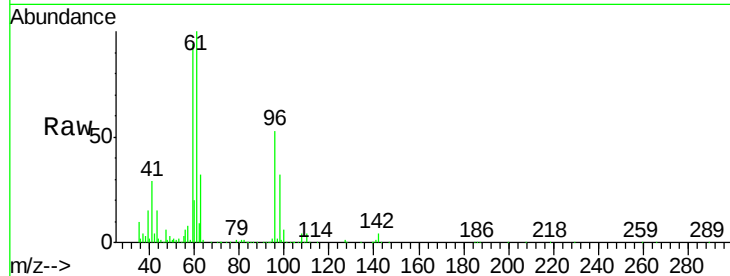
tert-Butyl alcohol
 Concen: 11.418 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.03 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0909ABS01

Tot Ion: 59 Resp: 1581737
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.3 12.5

Manual Integrations
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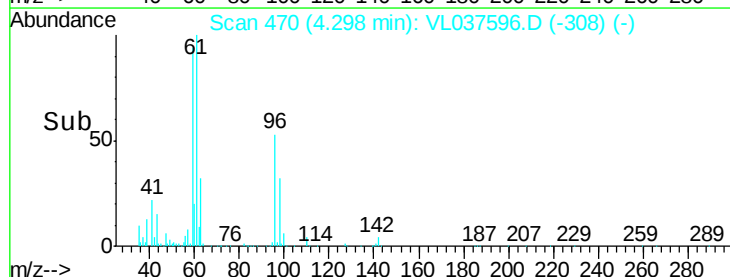
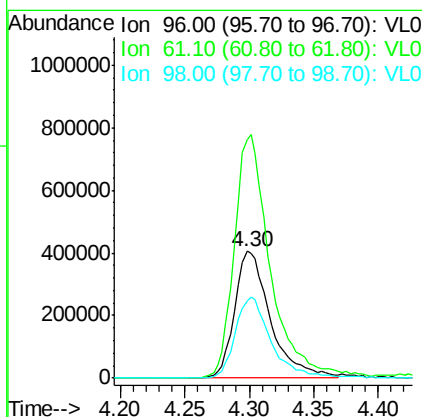
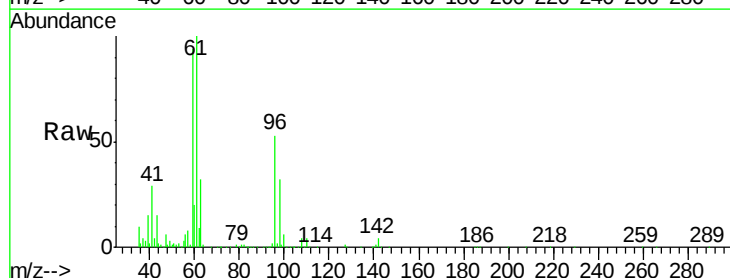
MMDadoda
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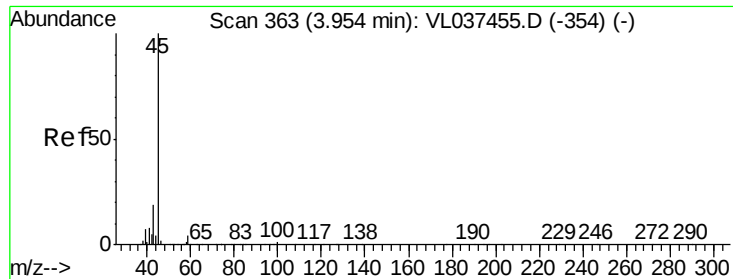


#18

1,1-Dichloroethene
 Concen: 10.510 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.02 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Tgt Ion: 96 Resp: 786258
 Ion Ratio Lower Upper
 96 100
 61 188.4 151.1 226.7
 98 60.4 51.8 77.8





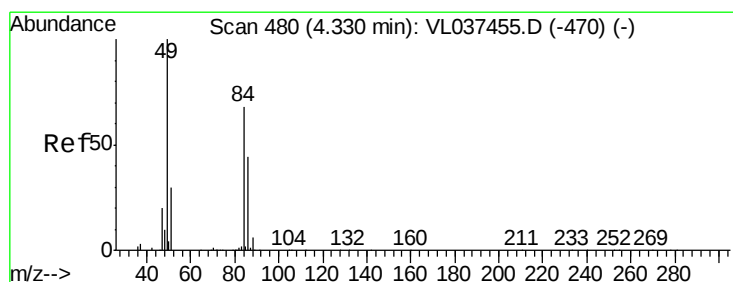
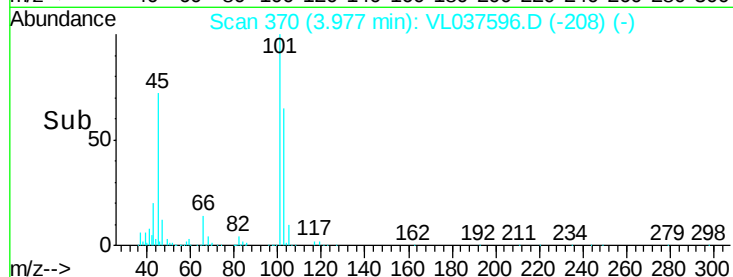
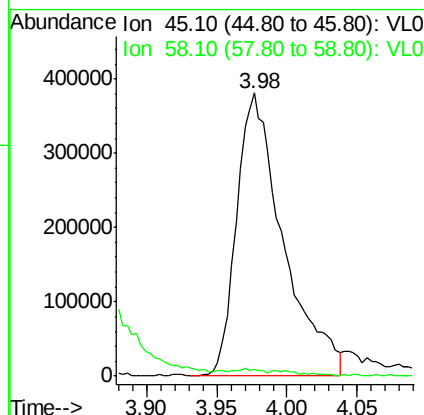
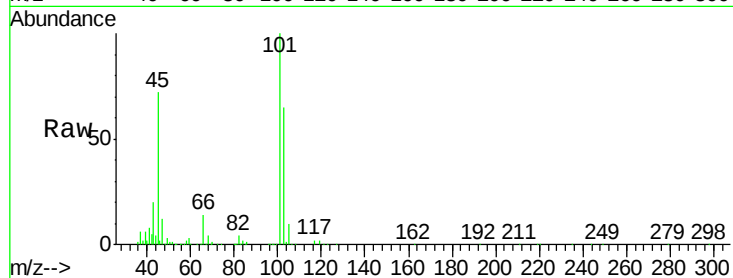
#19
Isopropyl Alcohol
Concen: 10.089 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.02 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampleId :
VL0909ABS01

Tot Ion: 45 Resp: 876552
Ion Ratio Lower Upper
45 100
58 2.9 1.4 2.2#

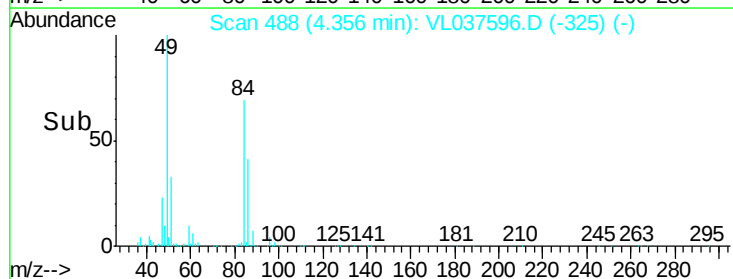
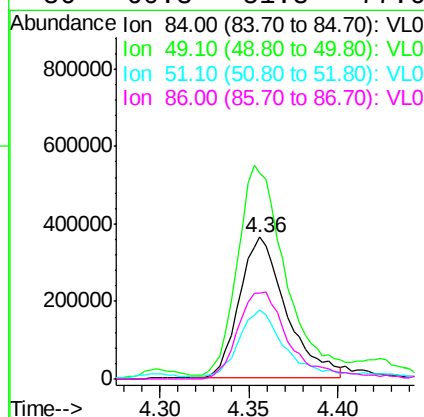
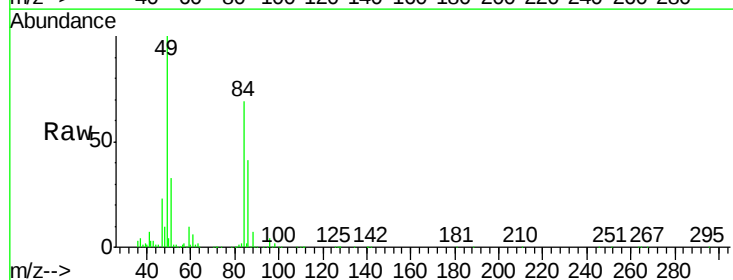
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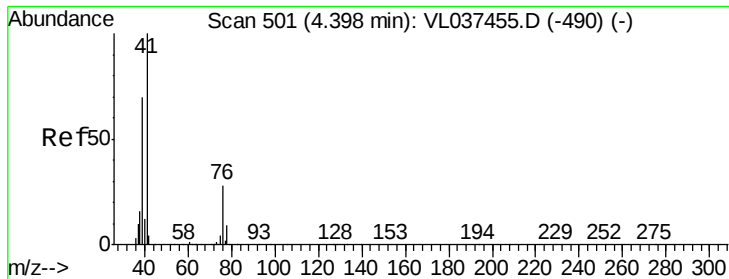
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#20
Methylene Chloride
Concen: 8.820 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 84 Resp: 669683
Ion Ratio Lower Upper
84 100
49 143.8 118.2 177.2
51 46.9 36.6 55.0
86 60.3 51.8 77.6





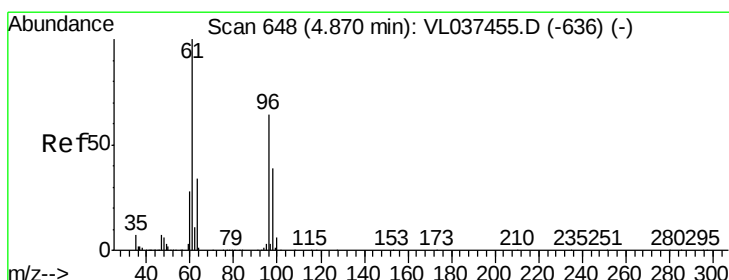
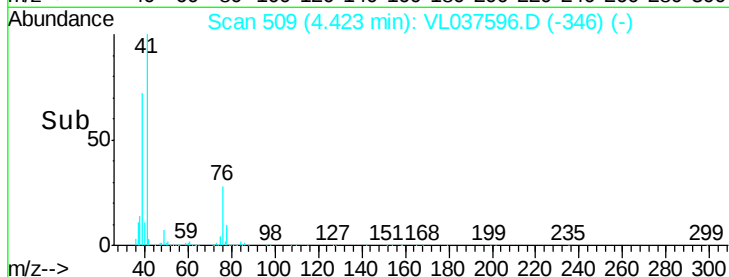
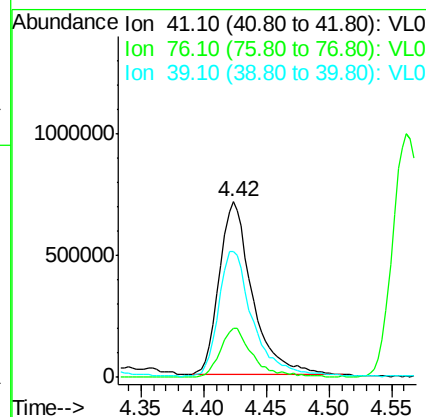
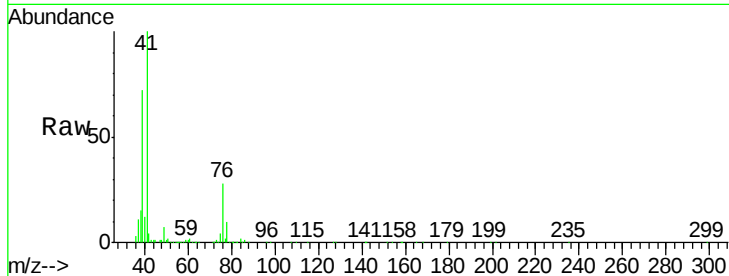
#21
Allvl Chloride
Concen: 10.547 ppbv
RT: 4.42 min Scan# 509
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampled :
VL0909ABS01

Tot Ion: 41 Resp: 1299070
Ion Ratio Lower Upper
41 100
76 28.5 21.8 32.6
39 76.1 56.8 85.2

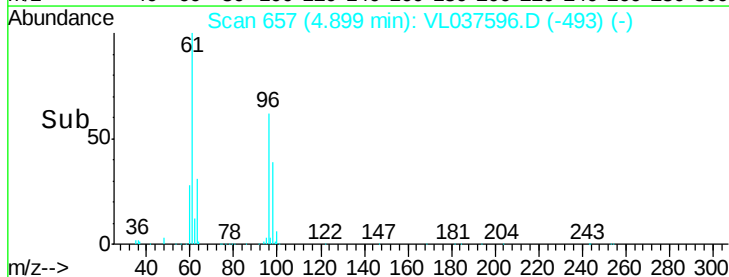
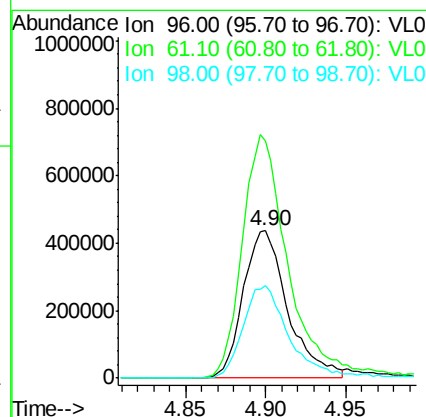
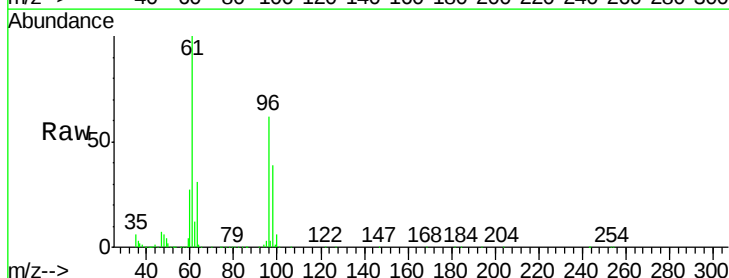
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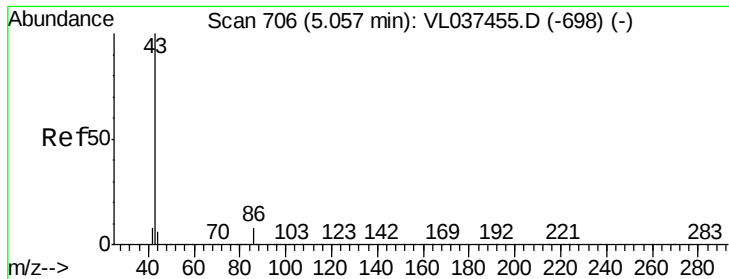
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#22
trans-1,2-Dichloroethene
Concen: 11.159 ppbv
RT: 4.90 min Scan# 657
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 96 Resp: 832863
Ion Ratio Lower Upper
96 100
61 160.5 125.5 188.3
98 62.8 49.0 73.4





#23

Vinyl Acetate

Concen: 9.654 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.03 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Tot Ion: 43 Resp: 2158081

Ion Ratio Lower Upper

43 100

86 6.0 5.7 8.5

42 8.5 7.4 11.2

44 5.0 4.3 6.5

Instrument :

MSVOA_L

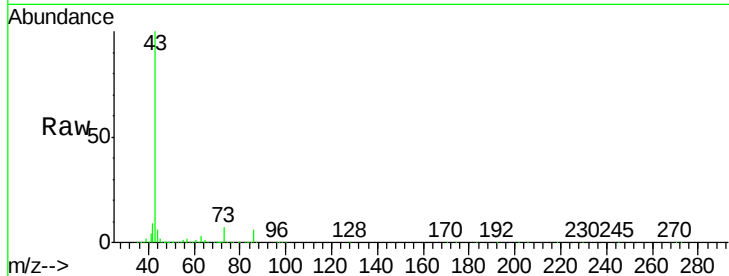
ClientSampleId :

VL0909ABS01

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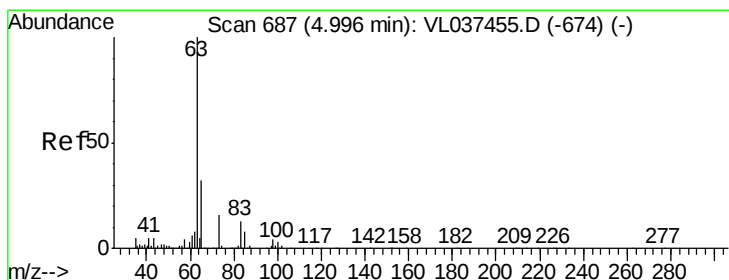
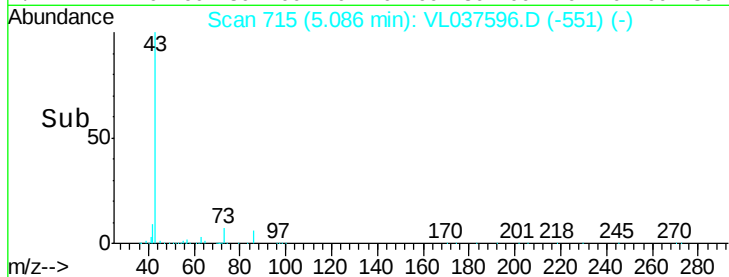
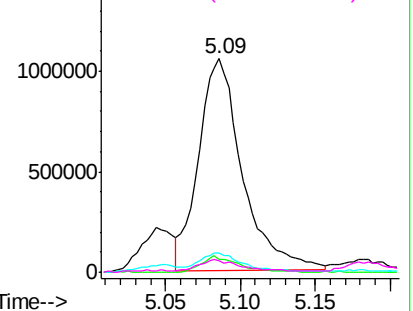


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.217 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.03 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

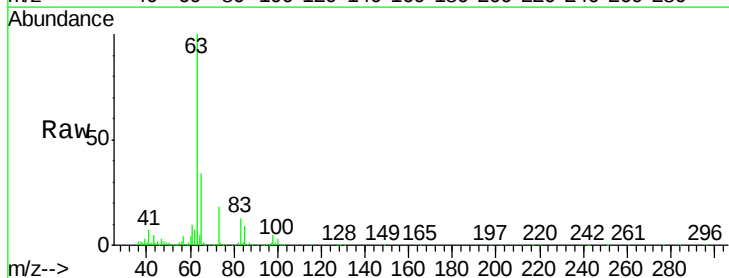
Tgt Ion: 63 Resp: 1656409

Ion Ratio Lower Upper

63 100

98 4.8 2.1 6.3

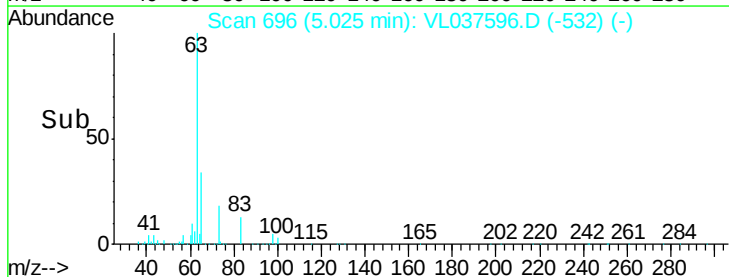
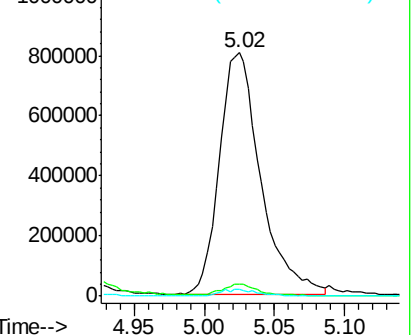
100 2.8 1.6 4.7

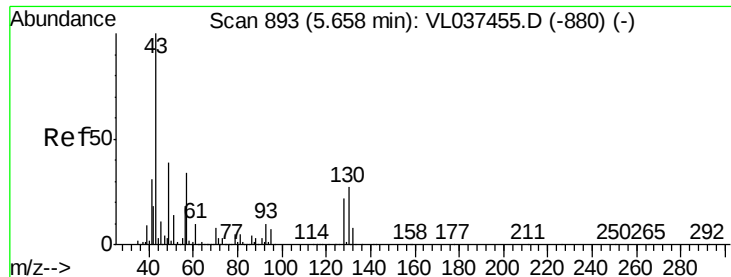


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





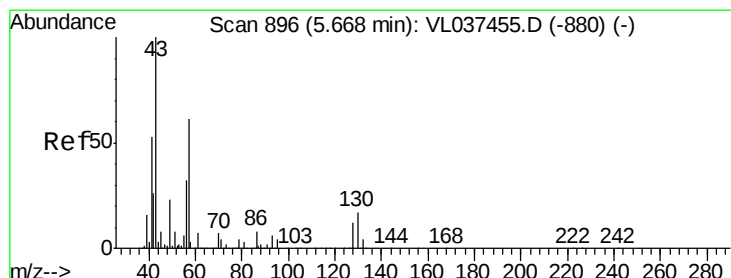
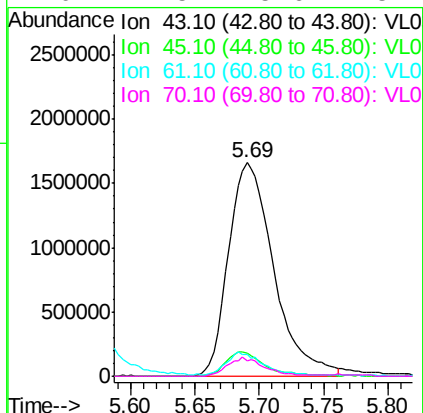
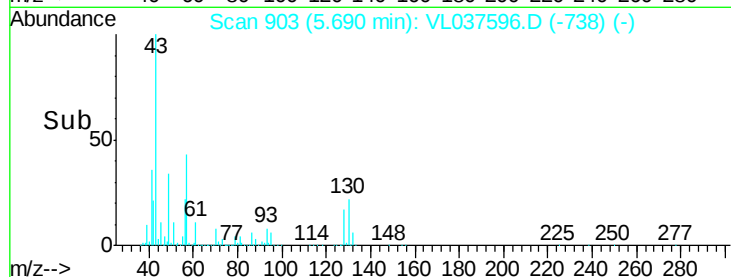
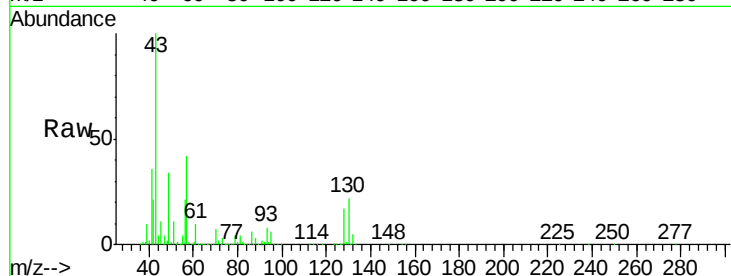
#25
Ethyl Acetate
Concen: 10.484 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampleId :
VL0909ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.0	12.0
61	10.2	8.0	12.0
70	7.5	5.6	8.4

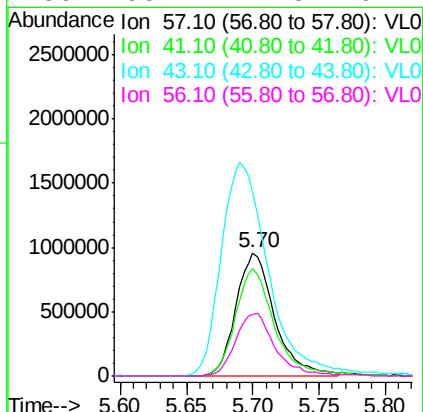
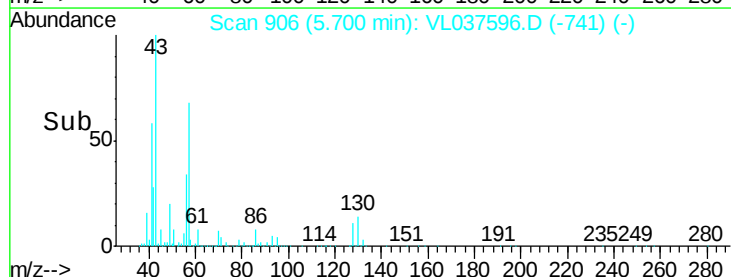
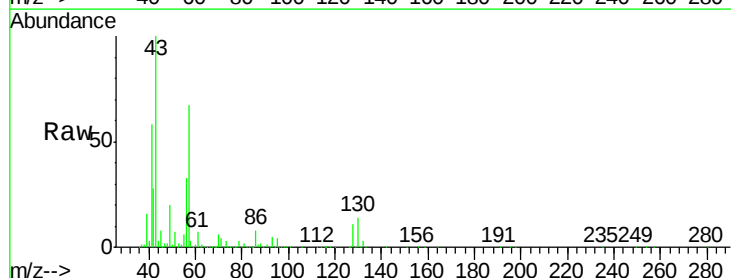
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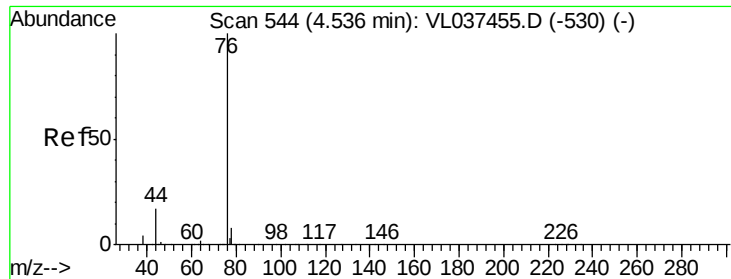
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#26
Hexane
Concen: 10.321 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion	Ratio	Lower	Upper
57	100		
41	89.1	72.3	108.5
43	214.4	172.3	258.5
56	53.1	42.8	64.2





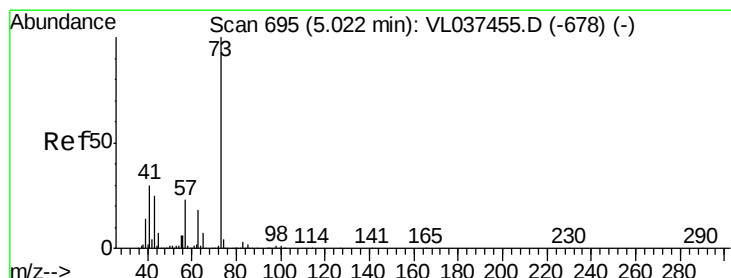
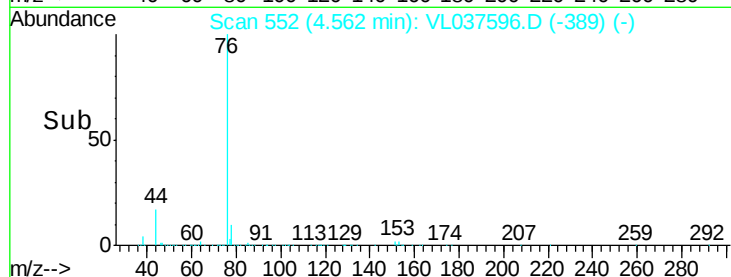
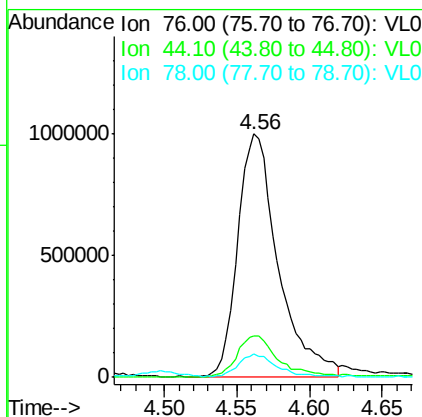
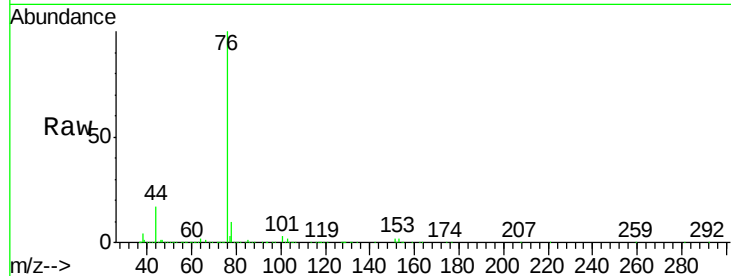
#27
Carbon Disulfide
Concen: 11.544 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampleId :
VL0909ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	17.6	13.9	20.9
78	9.9	7.9	11.9

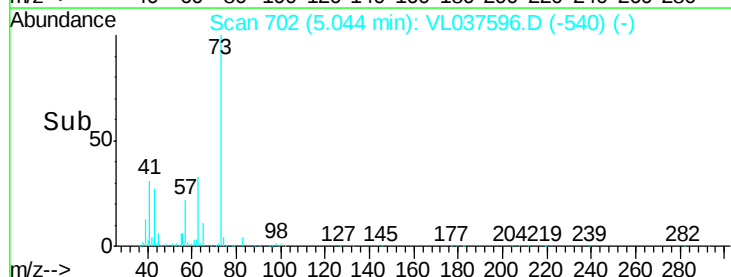
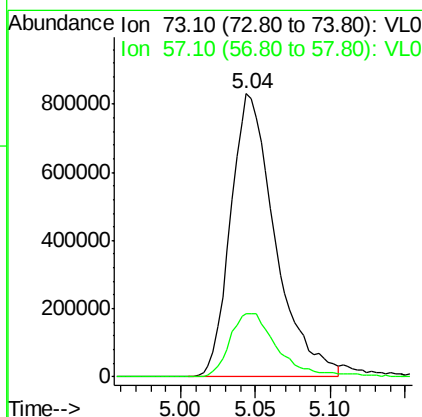
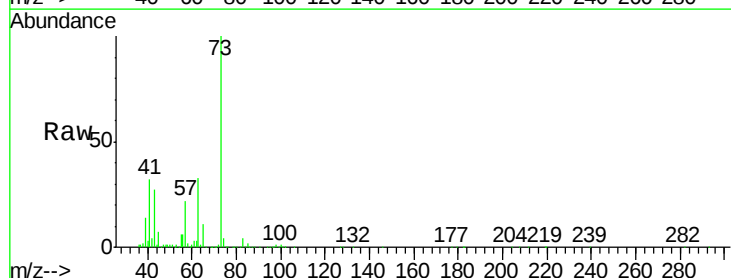
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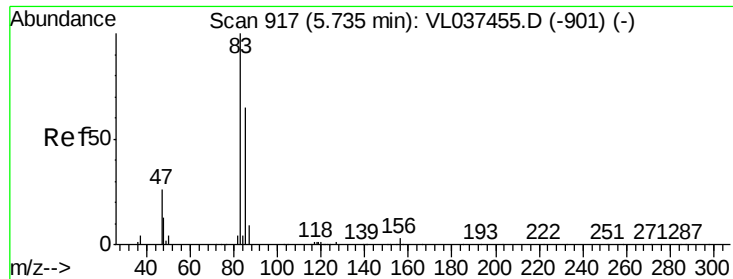
MMDadoda
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#28
Methyl tert-Butyl Ether
Concen: 9.510 ppbv
RT: 5.04 min Scan# 702
Delta R.T. 0.02 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.0	19.4	29.2





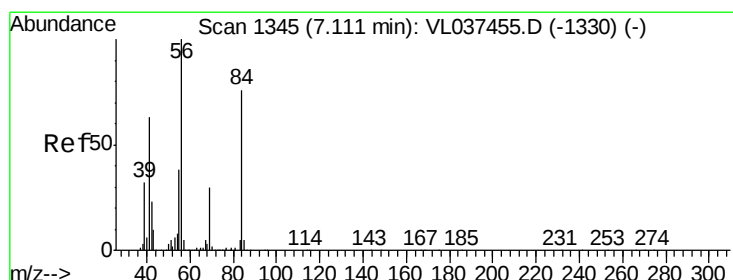
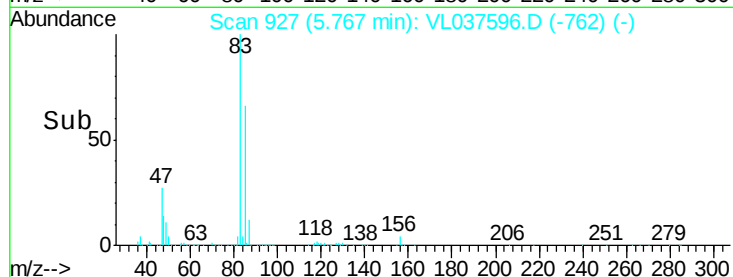
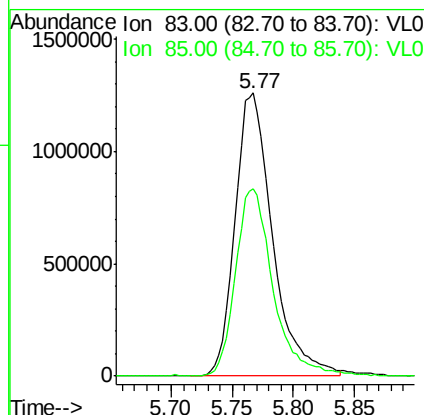
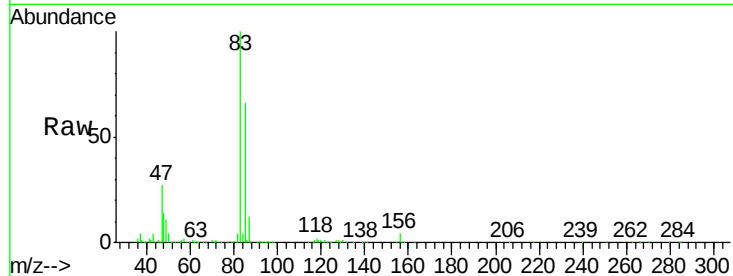
#29
Chloroform
Concen: 10.086 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampleId :
VL0909ABS01

Tot Ion: 83 Resp: 2690498
Ion Ratio Lower Upper
83 100
85 66.1 52.3 78.5

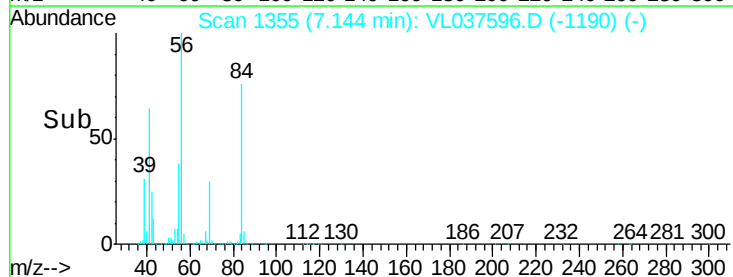
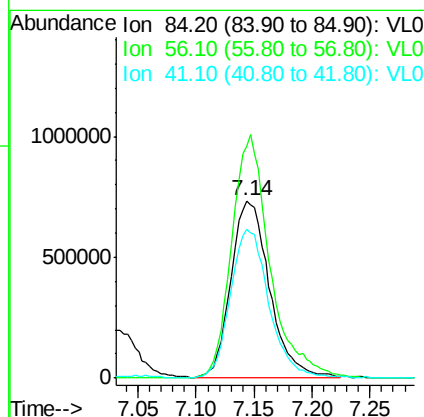
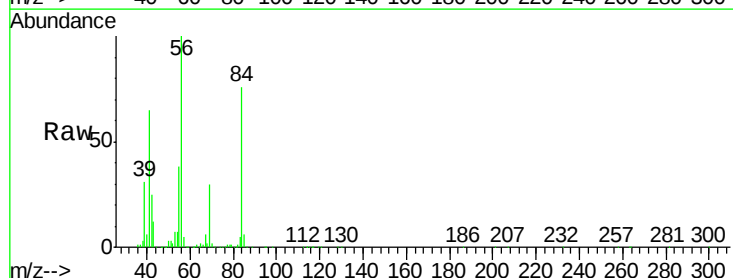
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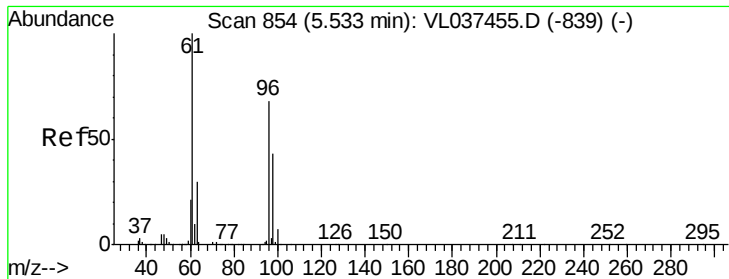
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#30
Cyclohexane
Concen: 10.692 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 84 Resp: 1676961
Ion Ratio Lower Upper
84 100
56 137.7 110.6 165.8
41 85.5 67.0 100.6





#31

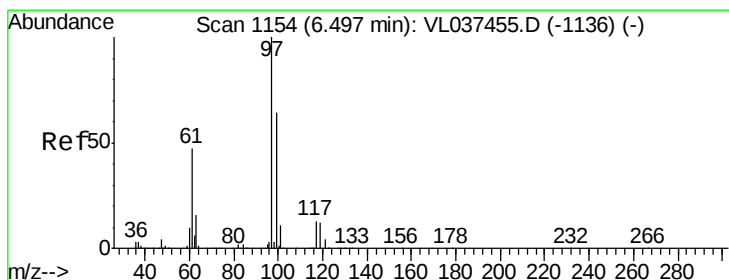
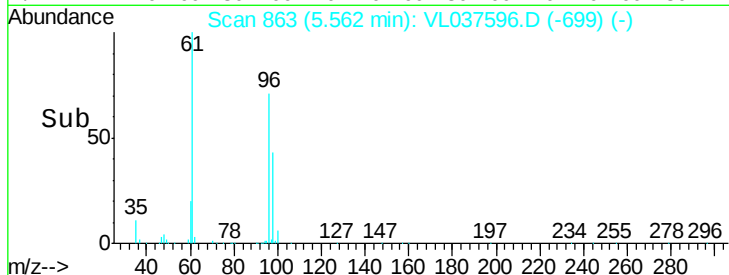
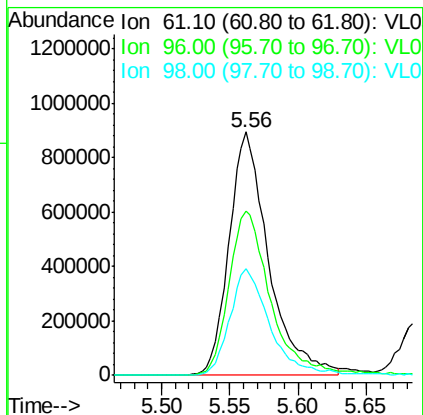
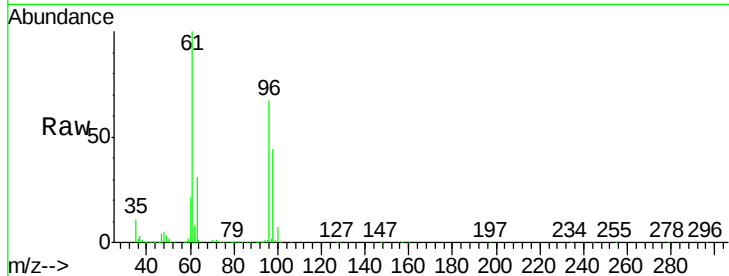
cis-1,2-Dichloroethene
 Concen: 10.545 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. 0.03 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0909ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.4	54.8	82.2
98	43.6	34.2	51.2

Manual Integrations
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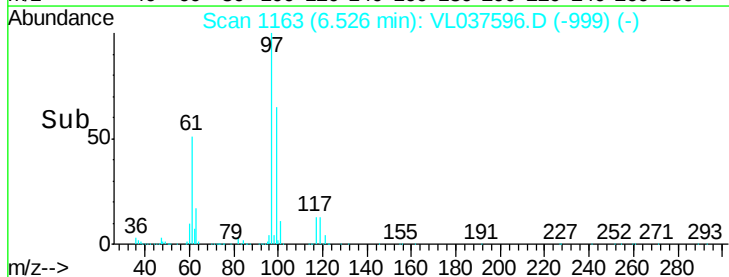
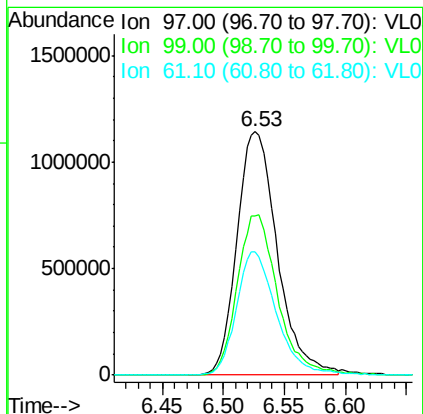
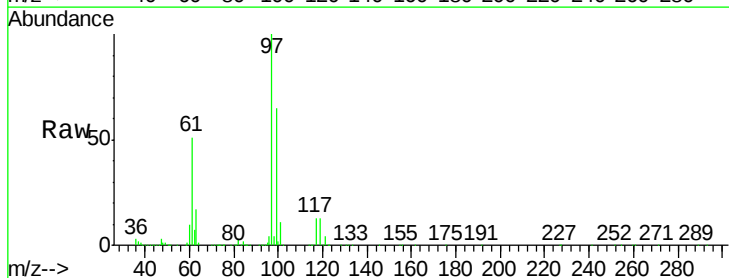
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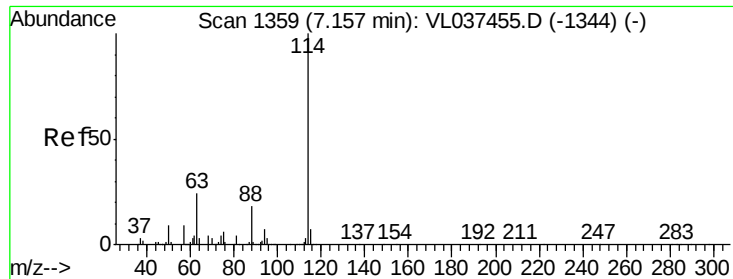


#32

1,1,1-Trichloroethane
 Concen: 9.996 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. 0.03 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.8	77.6
61	50.3	39.6	59.4





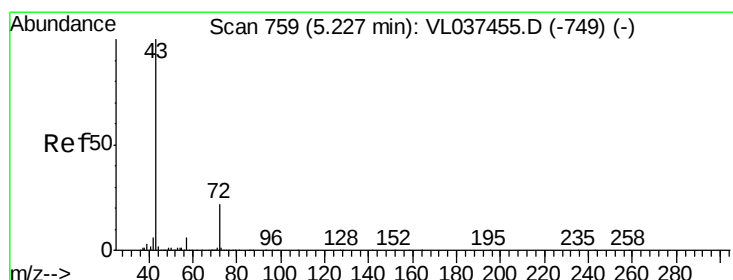
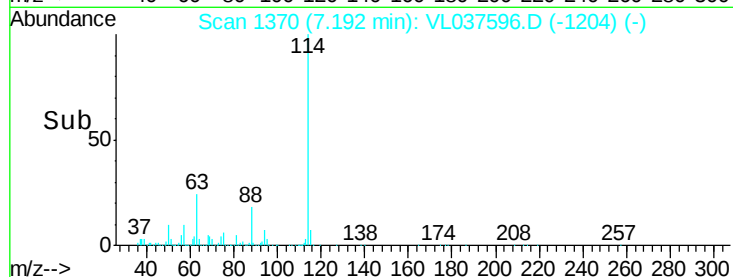
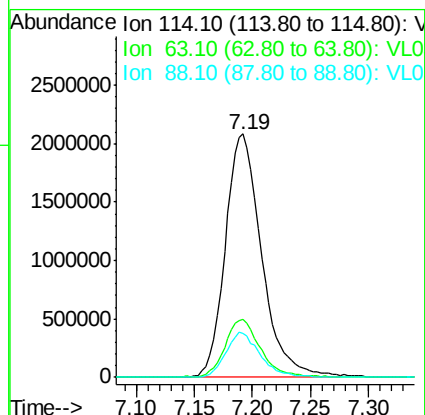
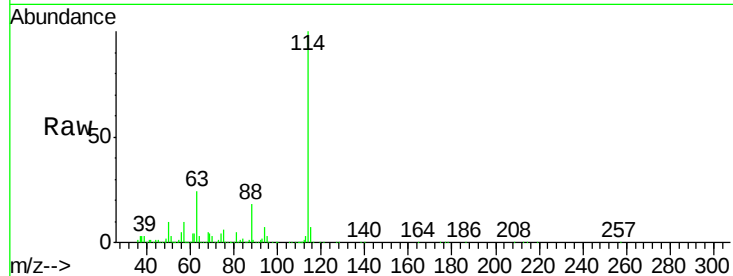
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.04 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0909ABS01

Tot Ion:114 Resp: 4511197
 Ion Ratio Lower Upper
 114 100
 63 23.9 19.3 28.9
 88 18.0 14.2 21.4

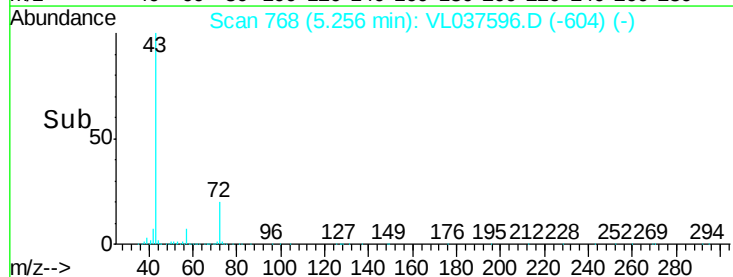
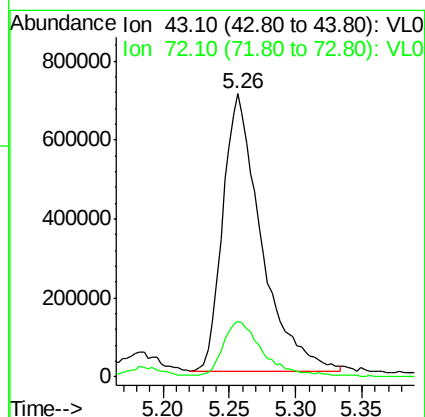
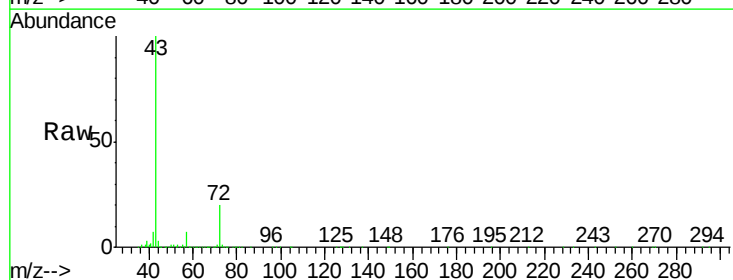
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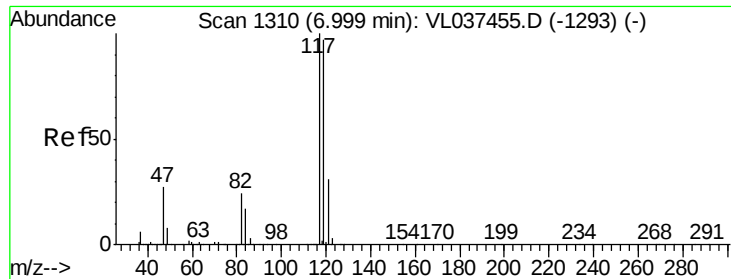
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#34
 2-Butanone
 Concen: 7.754 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.03 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Tgt Ion: 43 Resp: 1428480
 Ion Ratio Lower Upper
 43 100
 72 21.2 17.4 26.0





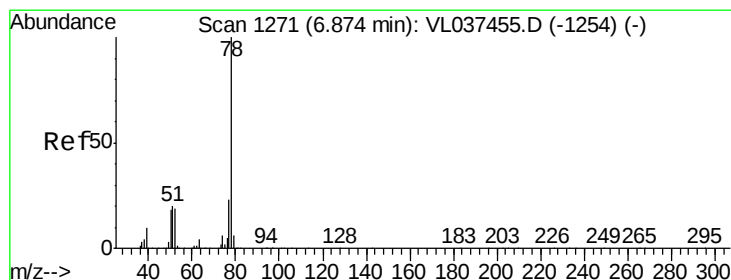
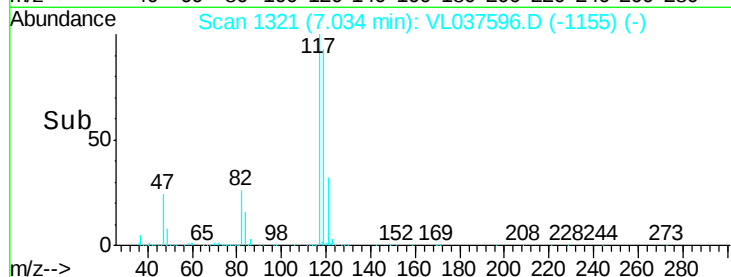
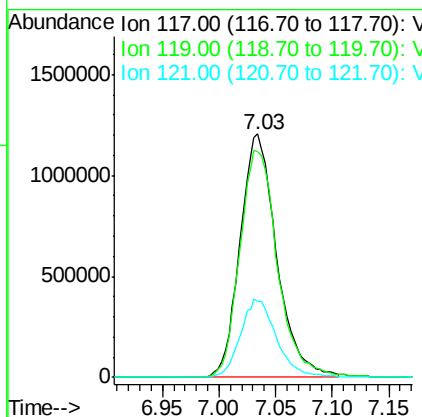
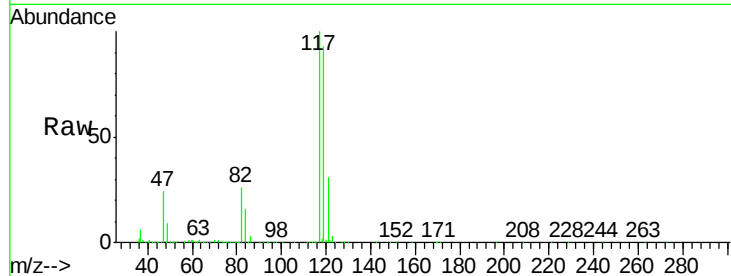
#35
Carbon Tetrachloride
Concen: 10.191 ppbv
RT: 7.03 min Scan# 1321
Delta R.T. 0.04 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampleId :
VL0909ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.8	77.3	115.9
121	31.4	25.2	37.8

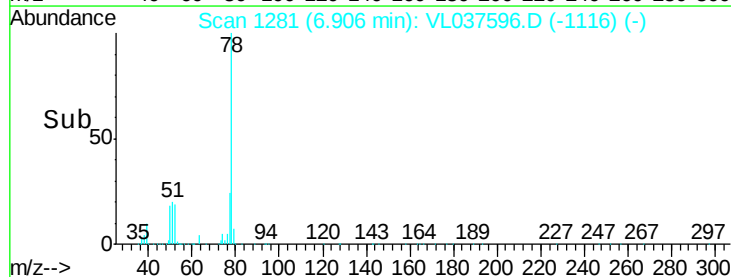
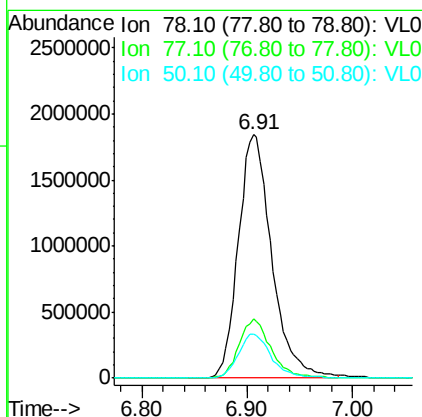
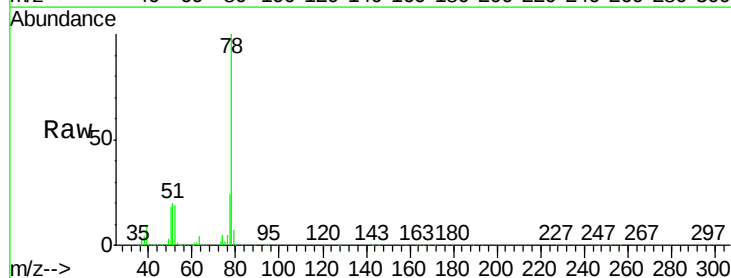
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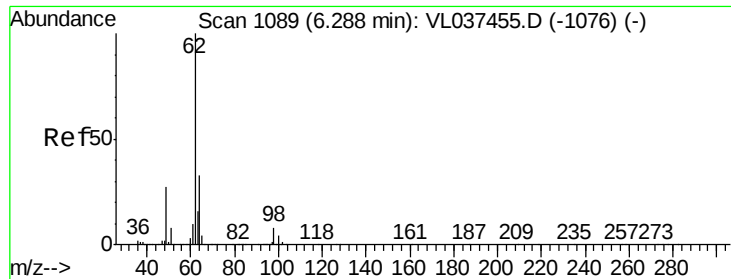
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#36
Benzene
Concen: 10.712 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.2	27.4
50	18.1	14.6	21.8





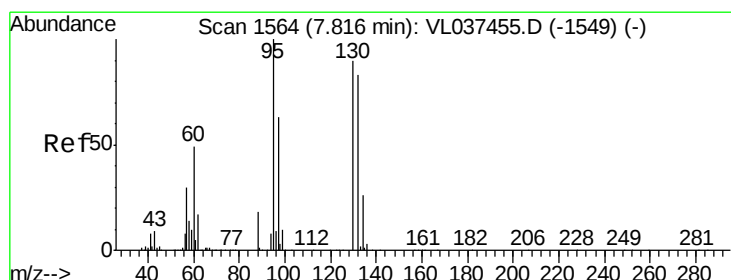
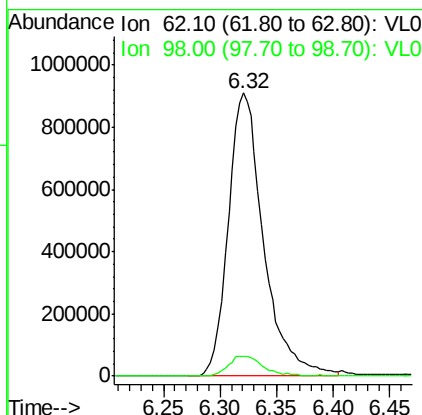
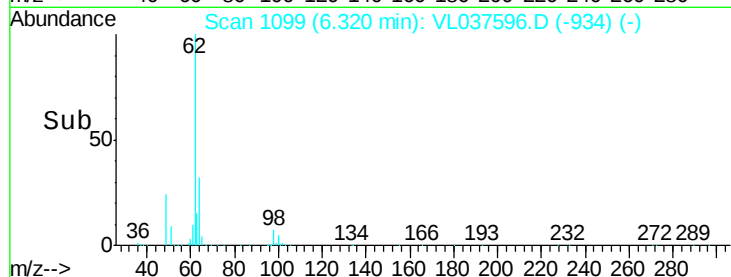
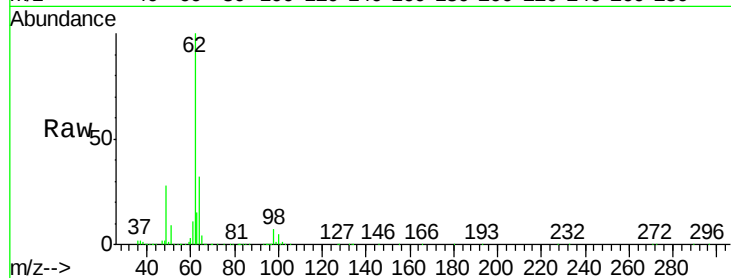
#37
 1,2-Dichloroethane
 Concen: 10.495 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.03 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0909ABS01

Tot Ion: 62 Resp: 1971528
 Ion Ratio Lower Upper
 62 100
 98 7.6 6.0 9.0

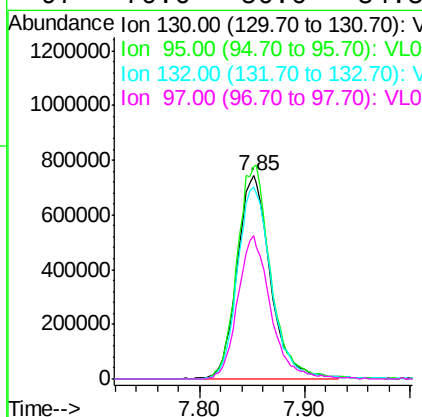
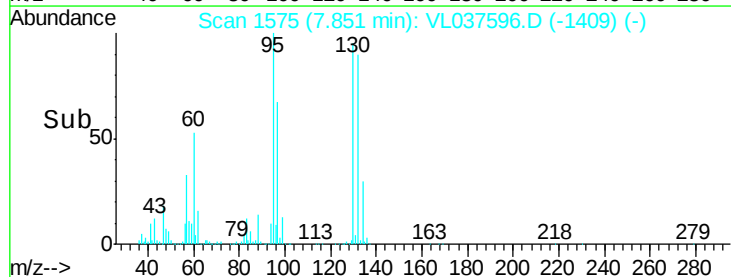
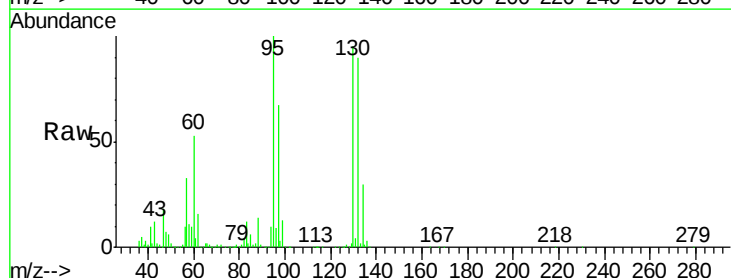
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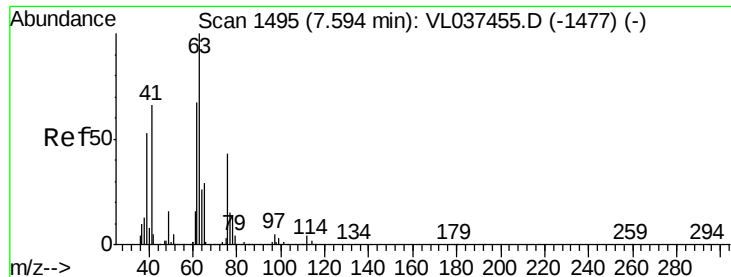
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#38
 Trichloroethene
 Concen: 10.401 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.04 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Tgt Ion: 130 Resp: 1618296
 Ion Ratio Lower Upper
 130 100
 95 105.0 89.2 133.8
 132 94.5 74.0 111.0
 97 70.6 56.6 84.8





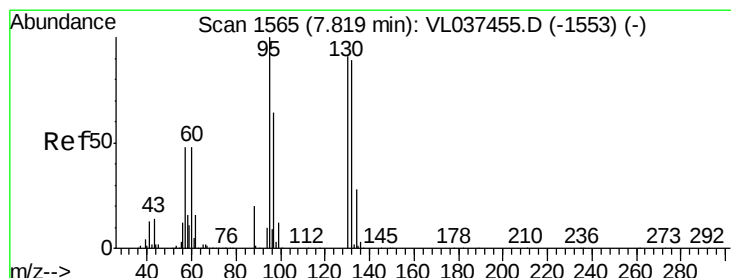
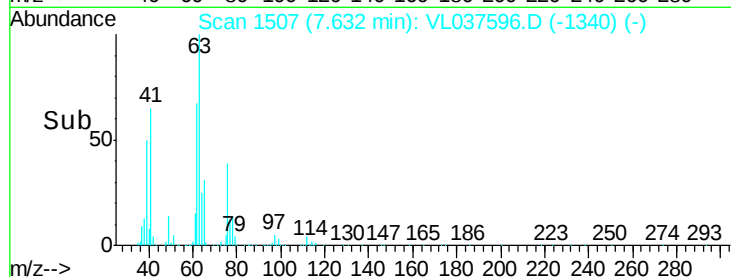
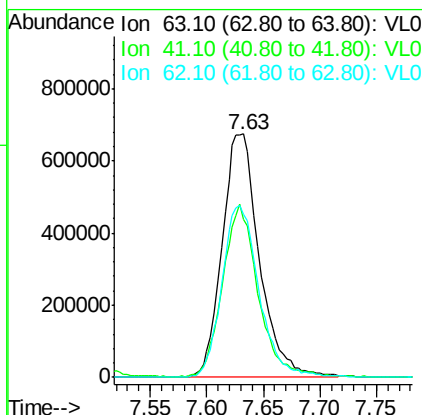
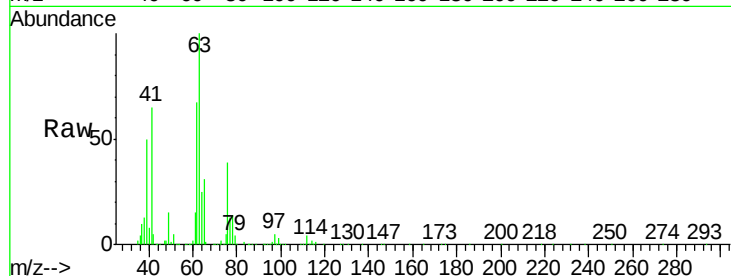
#39
 1,2-Dichloropropane
 Concen: 10.543 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. 0.04 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0909ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	64.6	52.4	78.6
62	66.8	53.6	80.4

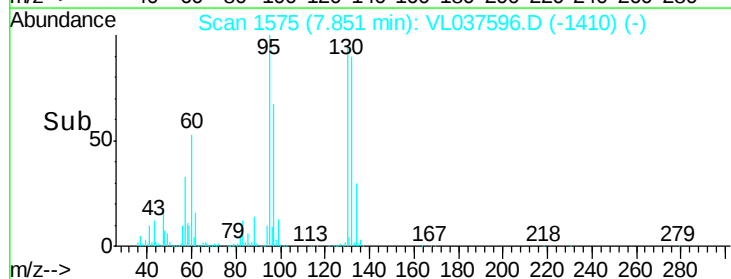
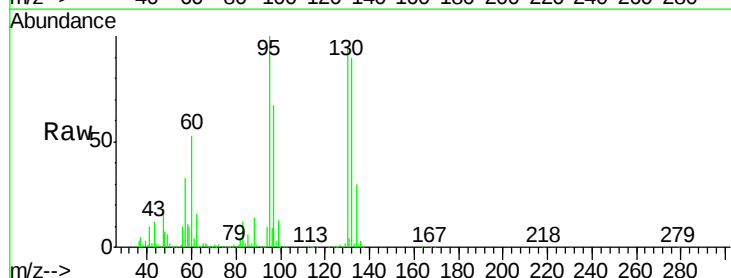
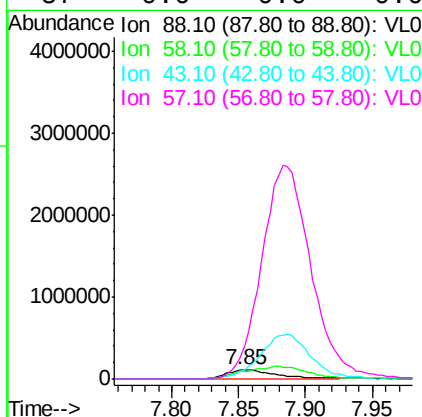
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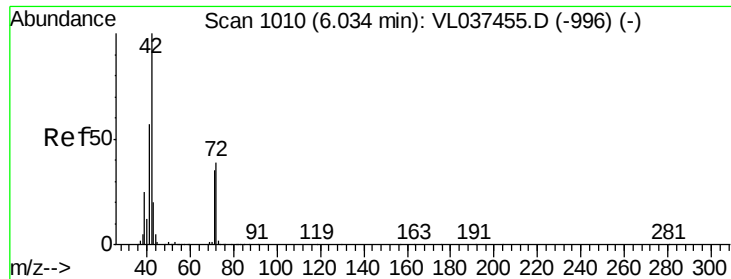
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#40
 1,4-Dioxane
 Concen: 8.348 ppbv m
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.03 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





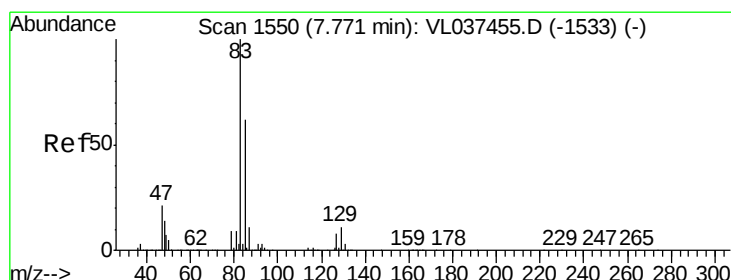
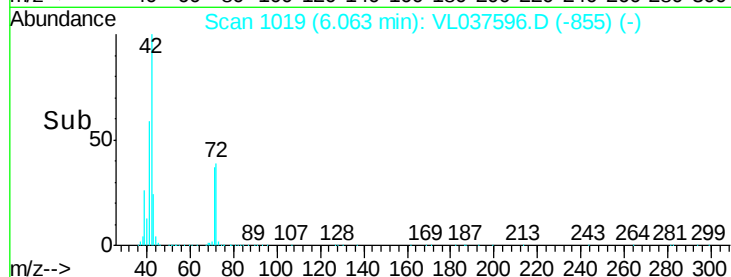
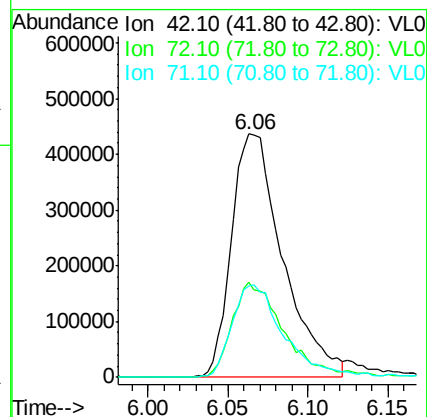
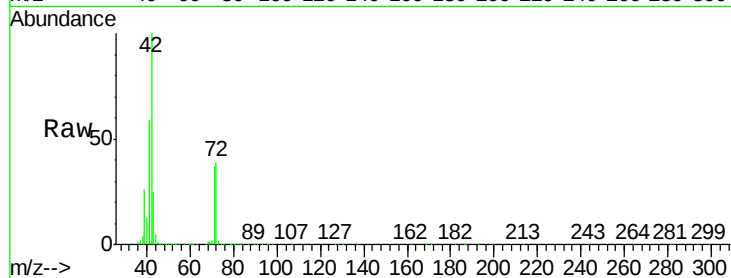
#41
Tetrahydrofuran
Concen: 10.782 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampleId :
VL0909ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.2	48.4
71	39.5	30.5	45.7

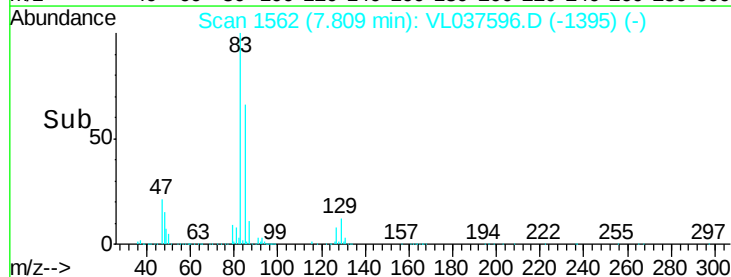
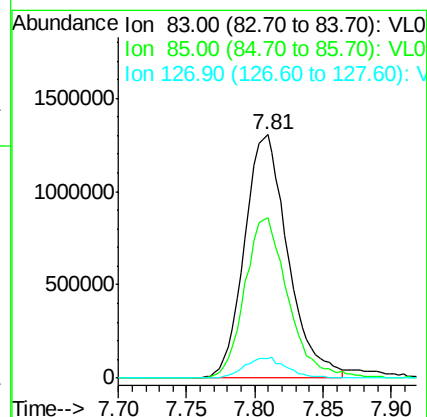
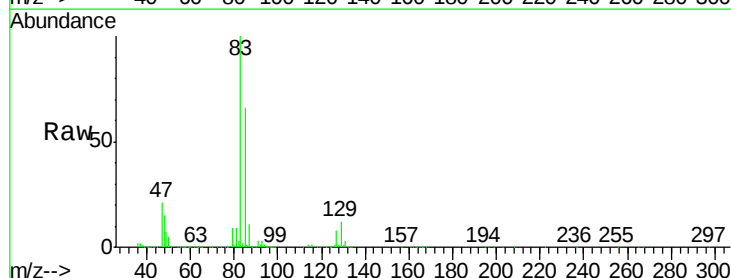
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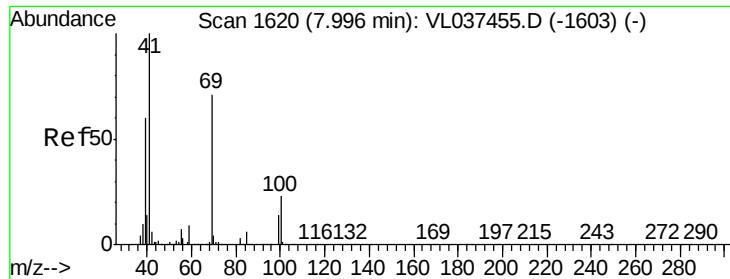
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#42
Bromodichloromethane
Concen: 10.520 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.04 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.5	74.3
127	8.2	6.3	9.5





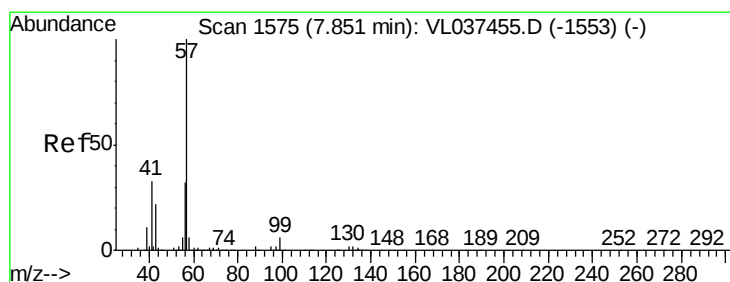
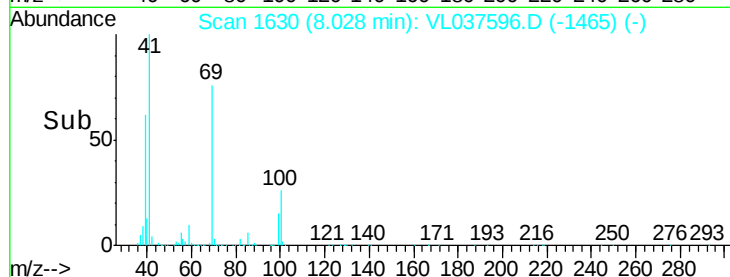
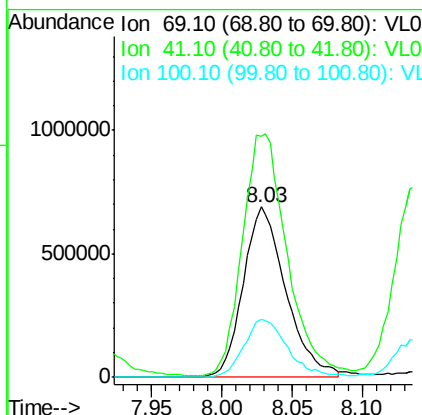
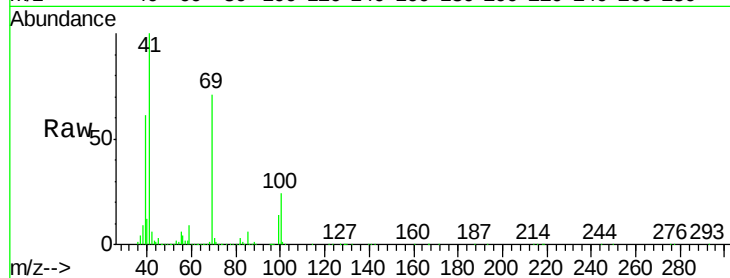
#43
Methvl Methacrilate
Concen: 11.037 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampleId :
VL0909ABS01

Tot Ion: 69 Resp: 1458815
Ion Ratio Lower Upper
69 100
41 151.2 118.6 178.0
100 35.3 27.4 41.0

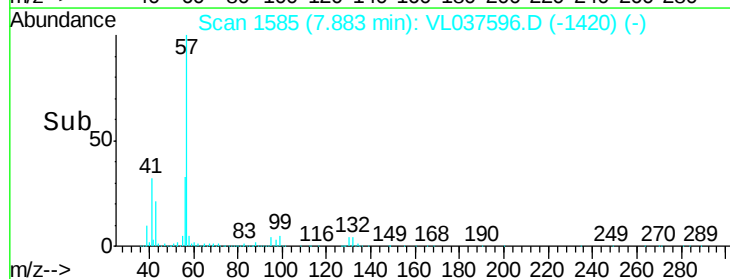
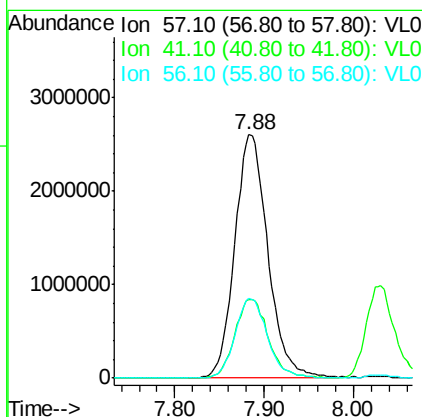
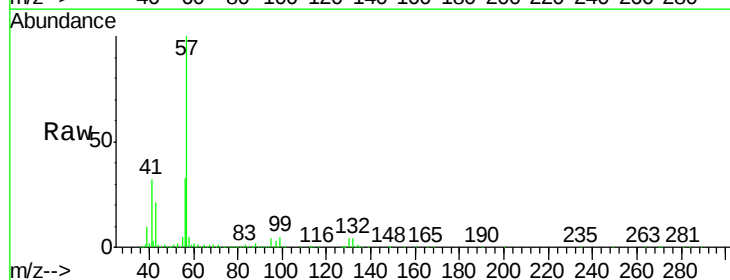
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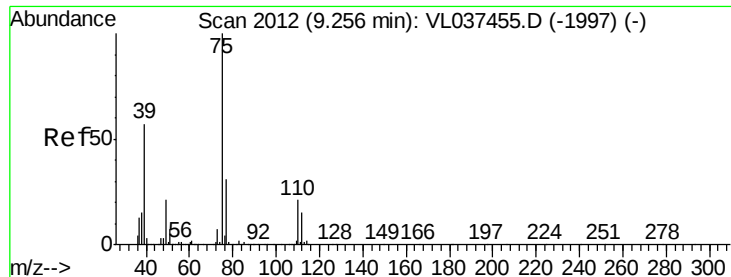
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#44
2,2,4-Trimethylpentane
Concen: 10.525 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 57 Resp: 6717433
Ion Ratio Lower Upper
57 100
41 32.7 26.2 39.4
56 32.1 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 12.880 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Tot Ion: 75 Resp: 1281567

Ion Ratio Lower Upper

75 100

77 31.2 24.5 36.7

Instrument :

MSVOA_L

ClientSampleId :

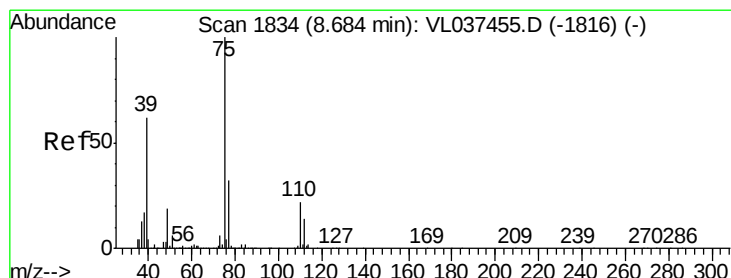
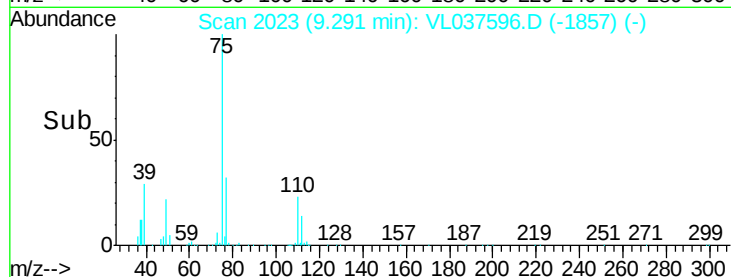
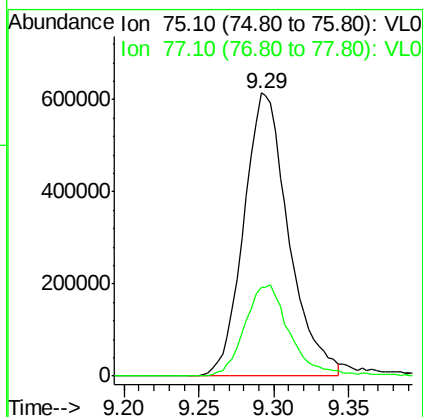
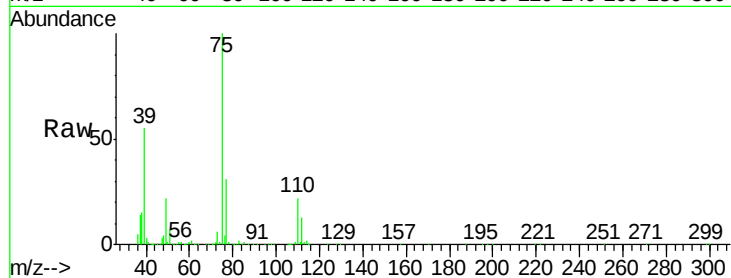
VL0909ABS01

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#46

cis-1,3-Dichloropropene

Concen: 12.220 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.03 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

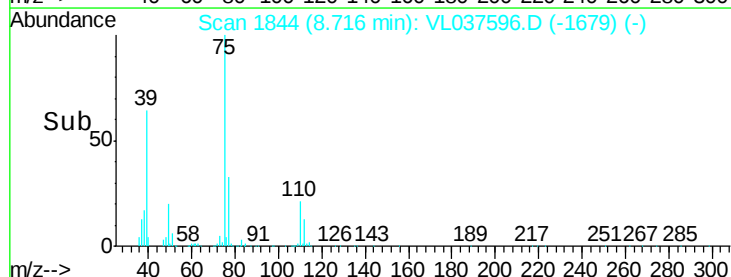
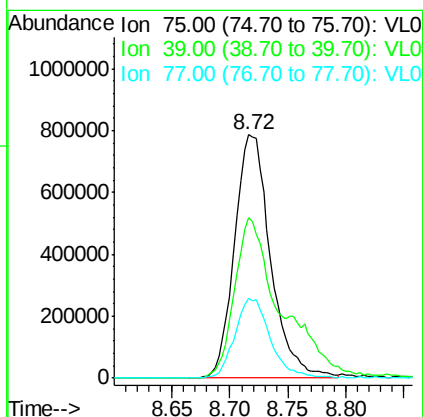
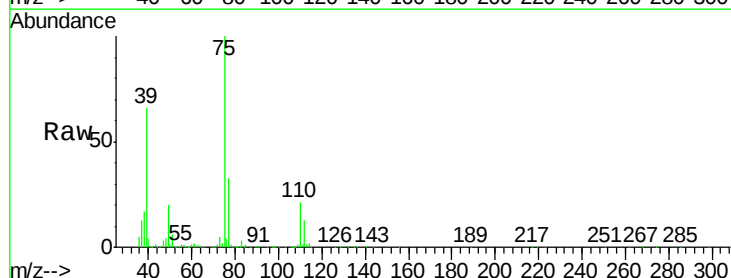
Tgt Ion: 75 Resp: 1696090

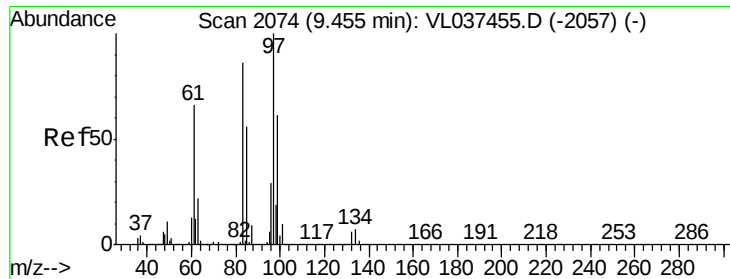
Ion Ratio Lower Upper

75 100

39 65.9 49.7 74.5

77 32.9 25.4 38.0





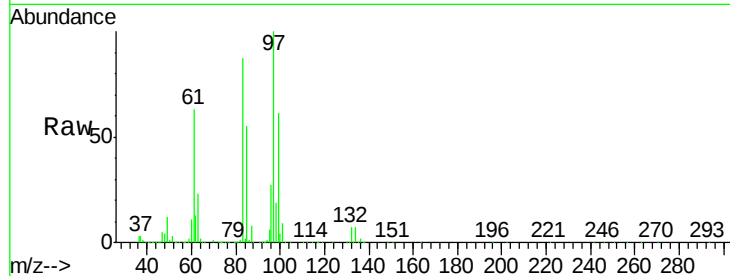
#47
 1,1,2-Trichloroethane
 Concen: 10.196 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.04 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0909ABS01

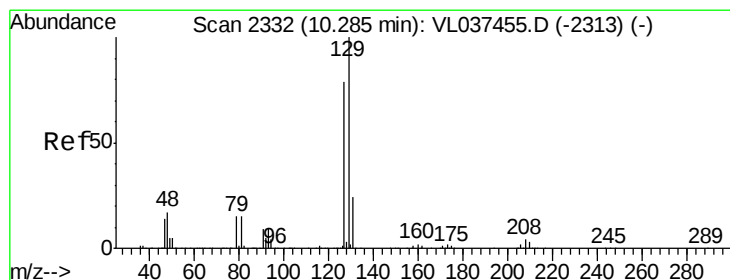
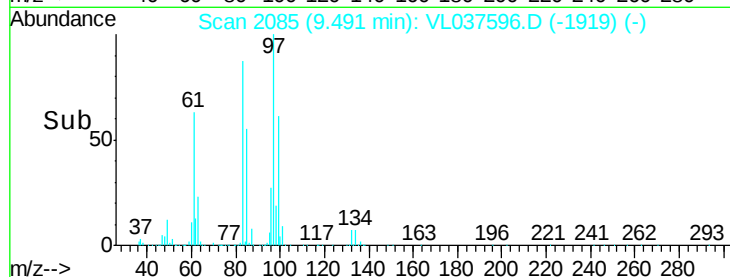
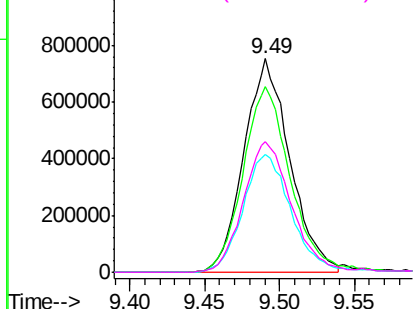
Tot Ion	97	Resp	1605367
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.7	103.1
85	55.3	44.7	67.1
99	61.0	48.6	72.8

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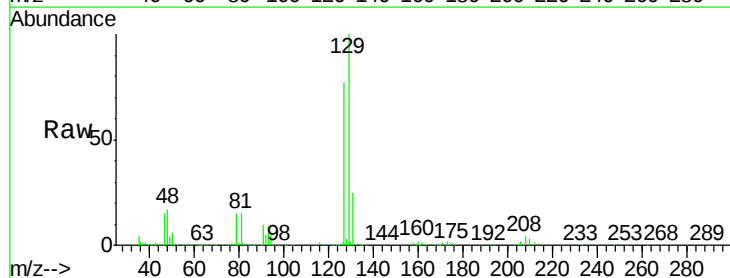


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

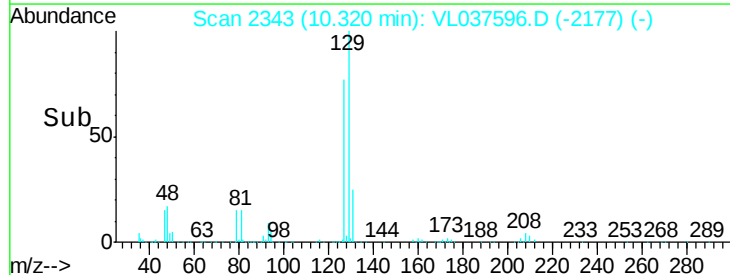
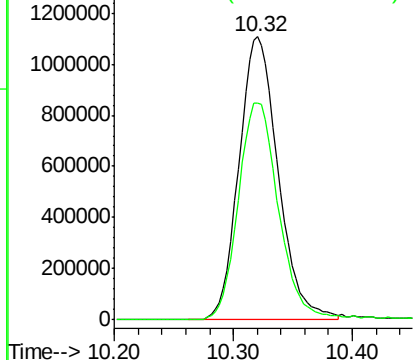


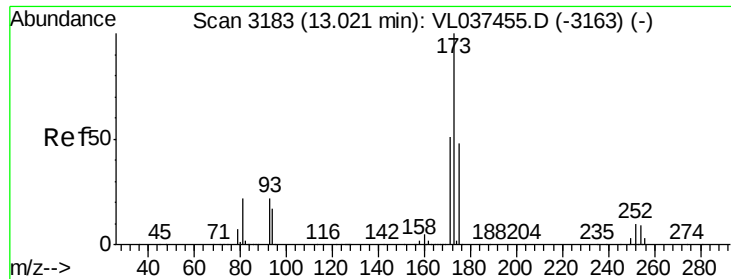
#48
 Dibromochloromethane
 Concen: 11.143 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. 0.04 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Tgt Ion	129	Resp	2524842
Ion	Ratio	Lower	Upper
129	100		
127	80.2	40.0	120.0



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





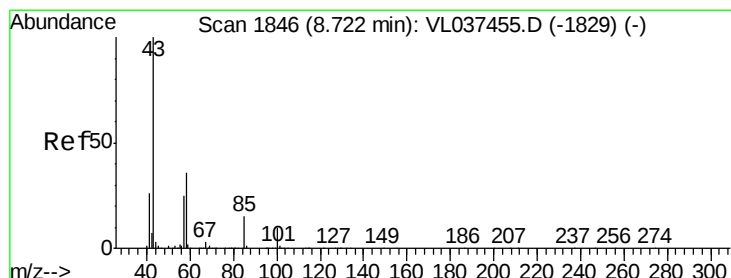
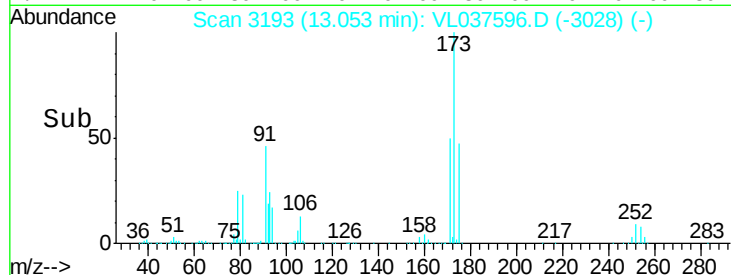
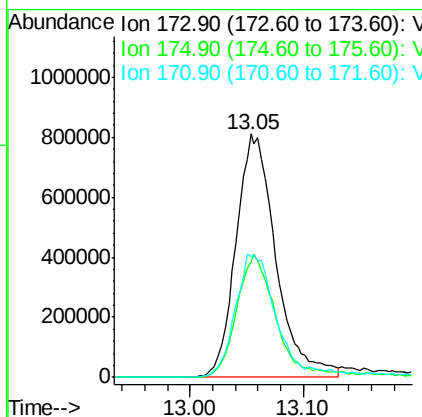
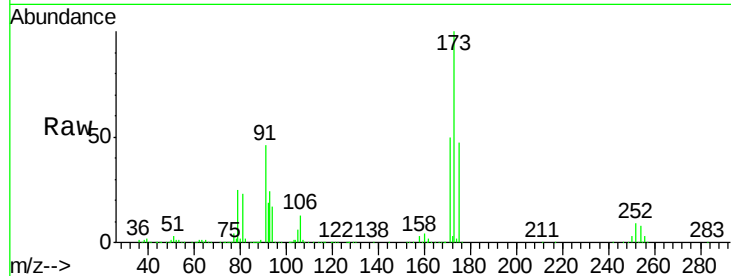
#49
Bromoform
Concen: 11.155 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampleId :
VL0909ABS01

Tot Ion:173 Resp: 1992430
Ion Ratio Lower Upper
173 100
175 52.3 41.9 62.9
171 55.5 44.2 66.4

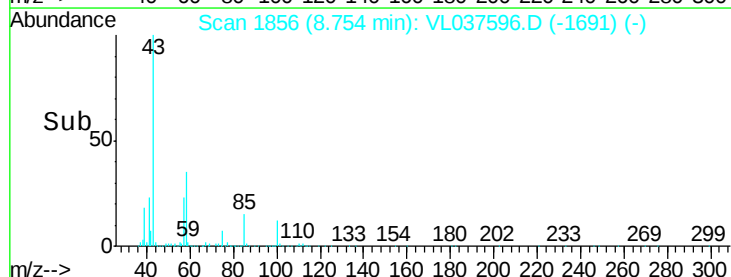
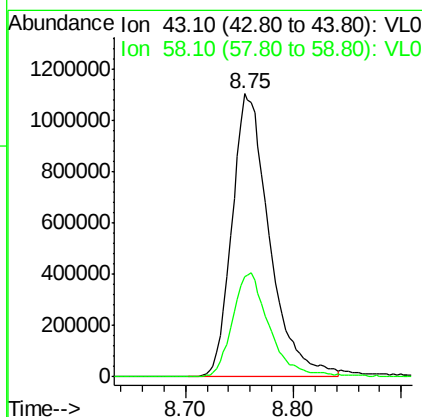
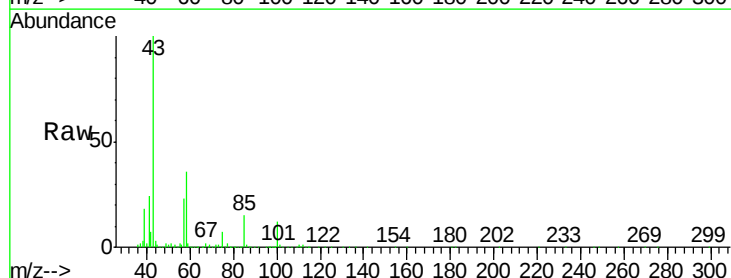
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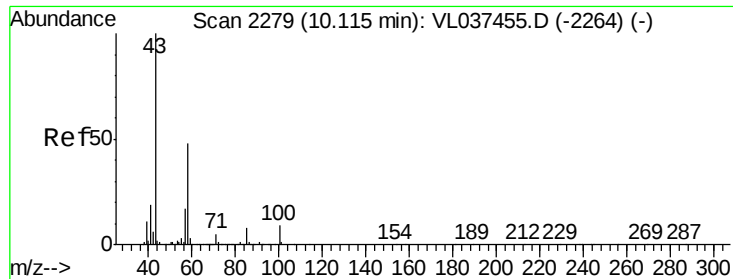
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#50
4-Methyl-2-Pentanone
Concen: 11.117 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 43 Resp: 2671790
Ion Ratio Lower Upper
43 100
58 37.0 29.9 44.9





#51

2-Hexanone

Concen: 11.422 ppbv

RT: 10.15 min Scan# 2291

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VL0909ABS01

Tot Ion: 43 Resp: 1262608

Ion Ratio Lower Upper

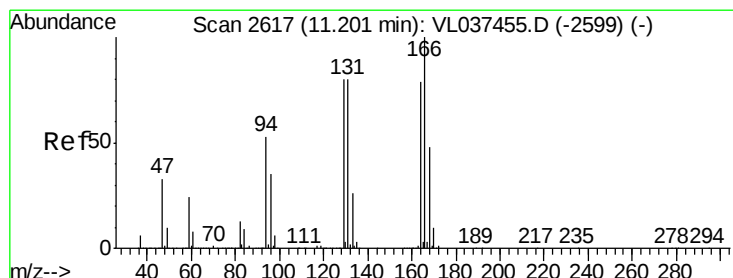
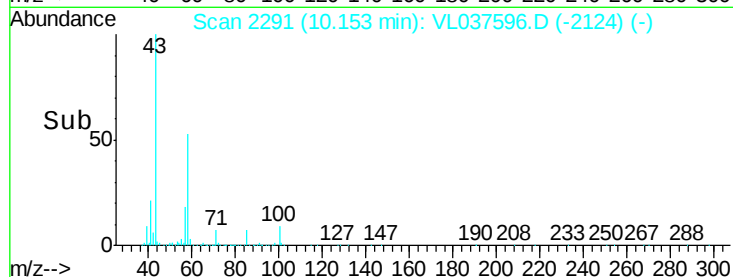
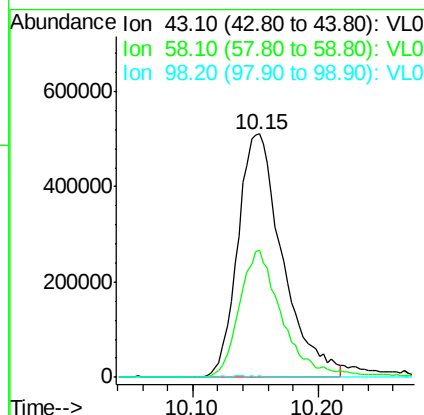
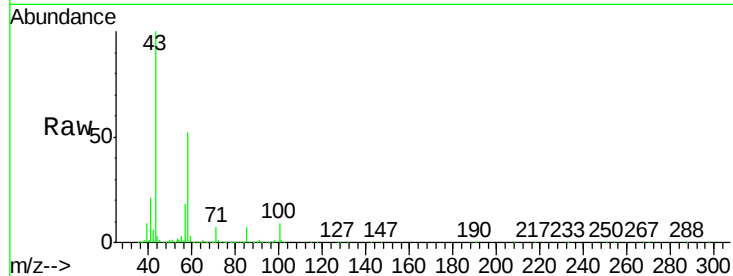
43 100

58 50.8 41.0 61.6

98 0.6 0.3 0.5#

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#52

Tetrachloroethene

Concen: 9.769 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. 0.03 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Tgt Ion: 164 Resp: 1518158

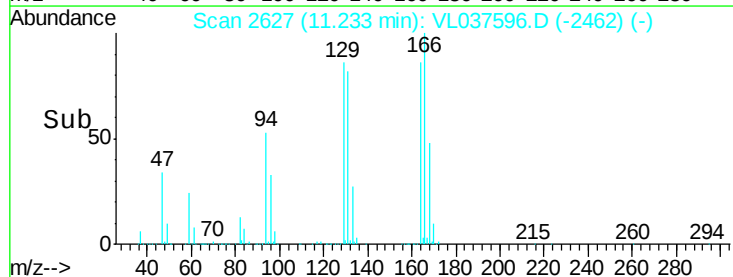
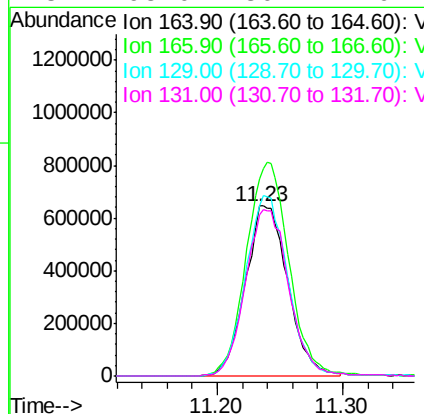
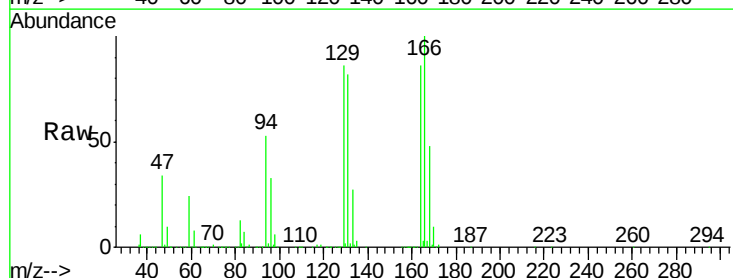
Ion Ratio Lower Upper

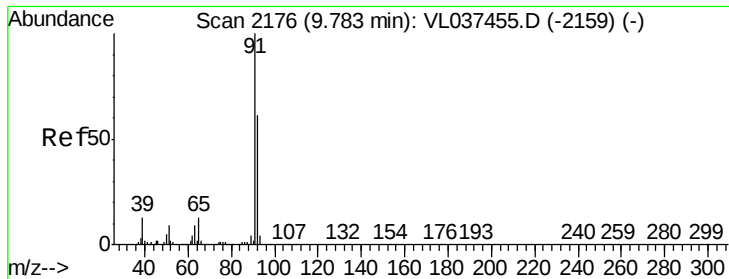
164 100

166 115.6 100.7 151.1

129 100.0 80.9 121.3

131 95.0 80.2 120.4





#53

Toluene

Concen: 10.825 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VL0909ABS01

Tot Ion: 91 Resp: 4687335

Ion Ratio Lower Upper

91 100

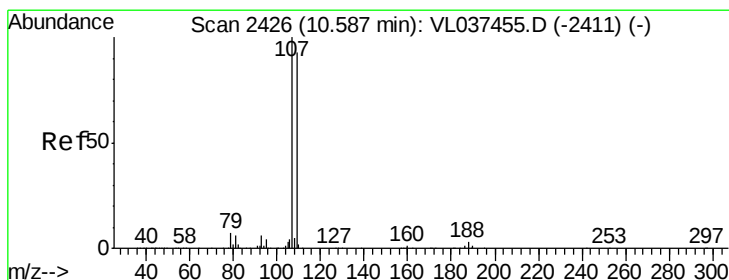
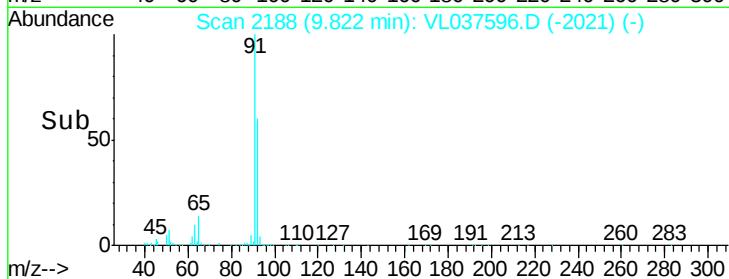
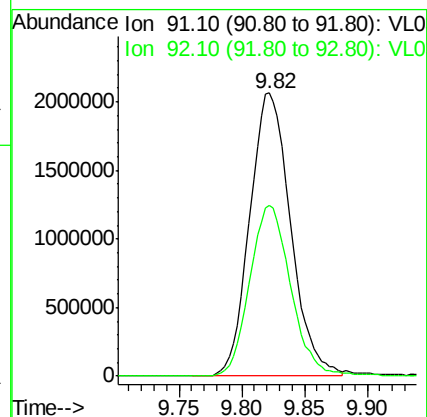
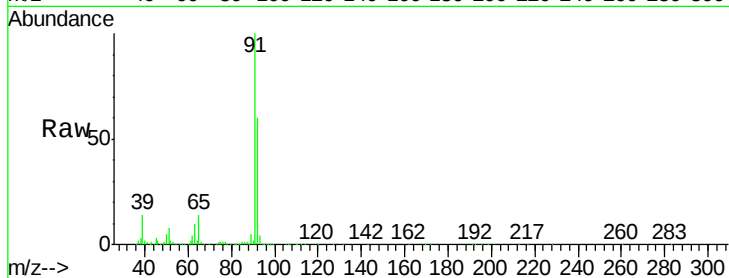
92 60.9 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 10.604 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.04 min

Lab File: VL037596.D

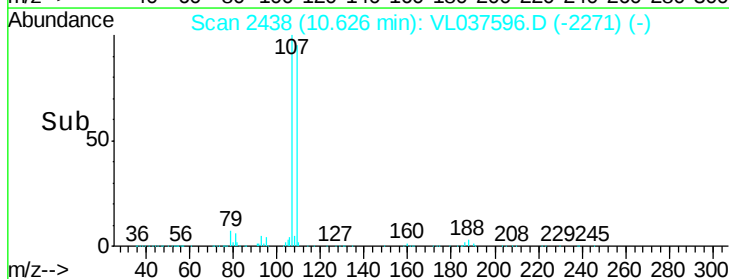
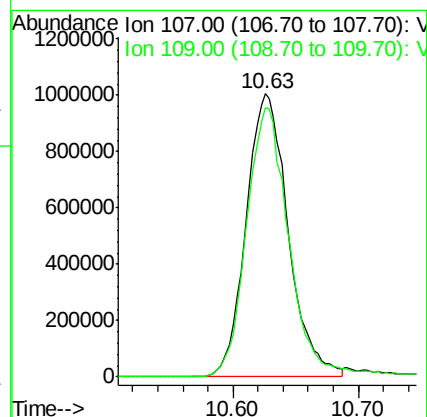
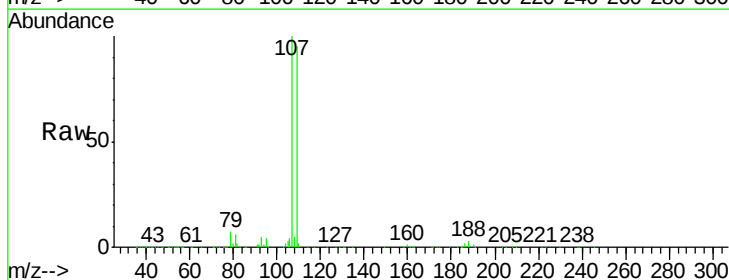
Acq: 9 Sep 2021 13:24

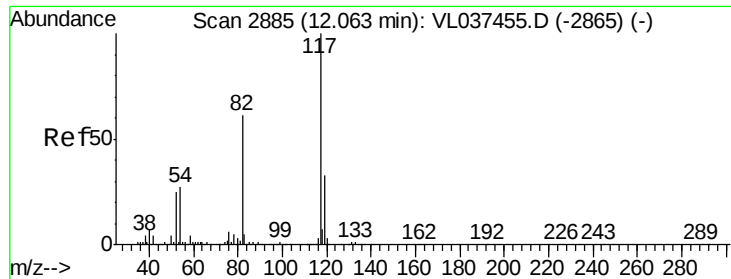
Tgt Ion: 107 Resp: 2330990

Ion Ratio Lower Upper

107 100

109 95.1 74.2 111.4





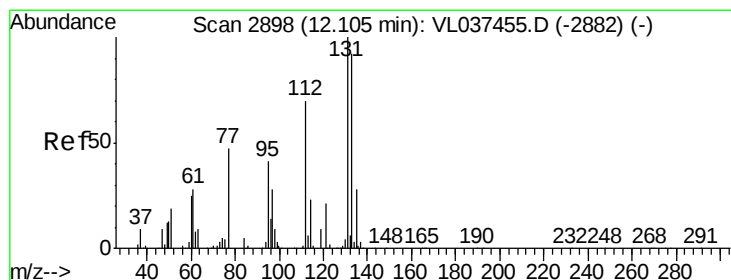
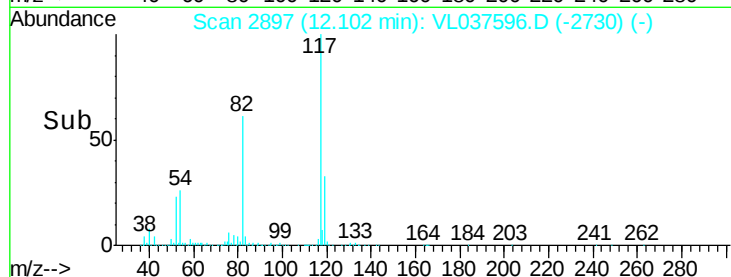
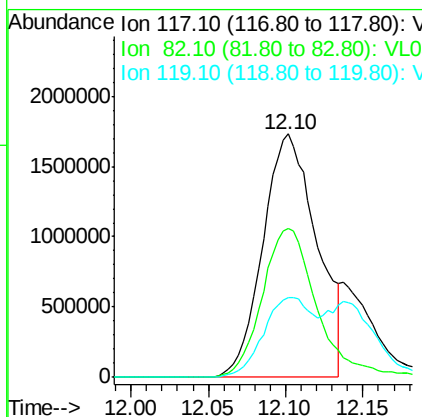
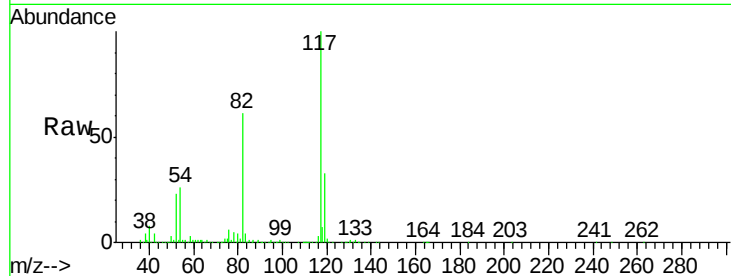
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.04 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampleId :
VL0909ABS01

Tot Ion:117 Resp: 4201448
Ion Ratio Lower Upper
117 100
82 63.5 52.9 79.3
119 30.0 24.8 37.2

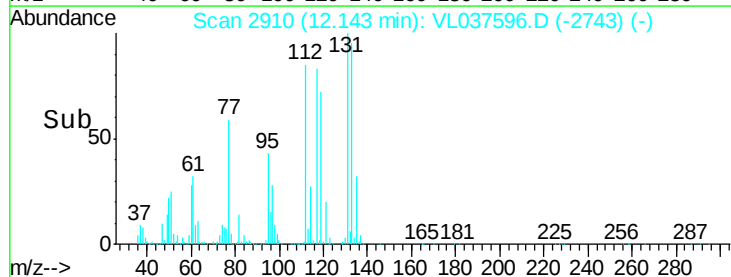
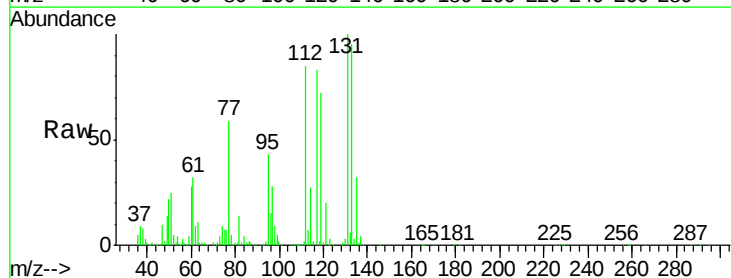
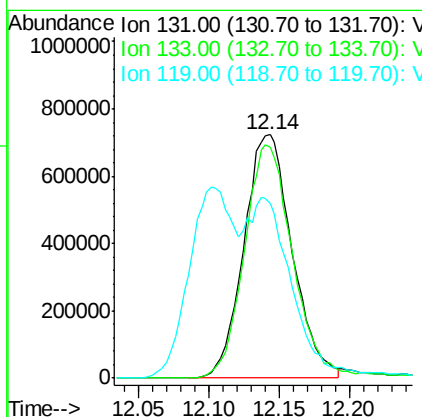
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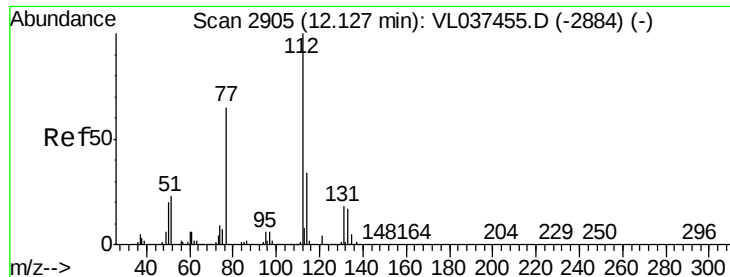
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.883 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.04 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion:131 Resp: 1730208
Ion Ratio Lower Upper
131 100
133 99.4 78.7 118.1
119 70.1 56.6 85.0





#57

Chlorobenzene

Concen: 9.801 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VL0909ABS01

Tot Ion: 112 Resp: 3417231

Ion Ratio Lower Upper

112 100

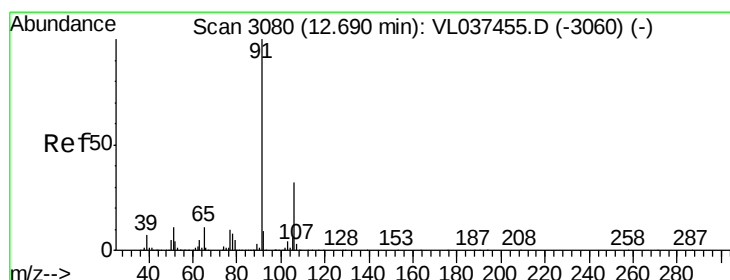
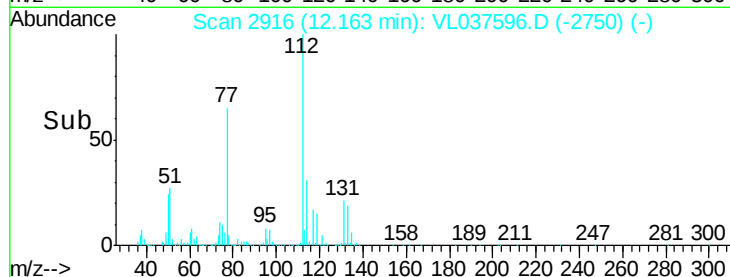
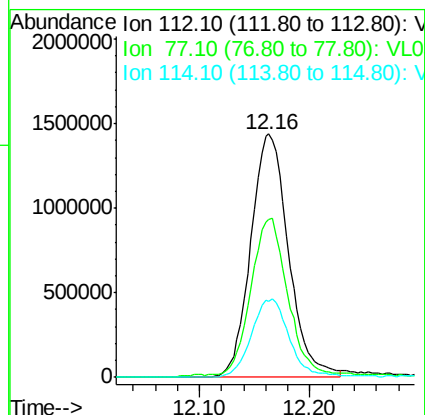
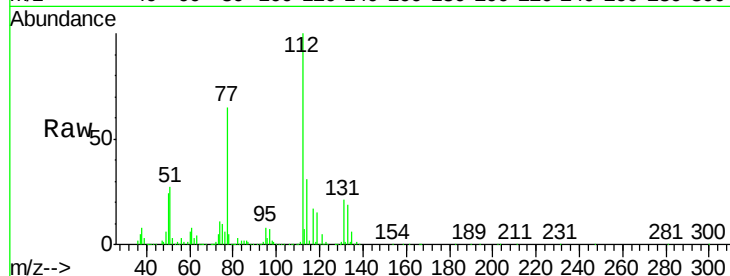
77 64.1 51.6 77.4

114 31.2 30.7 37.5

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#58

Ethyl Benzene

Concen: 10.180 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. 0.04 min

Lab File: VL037596.D

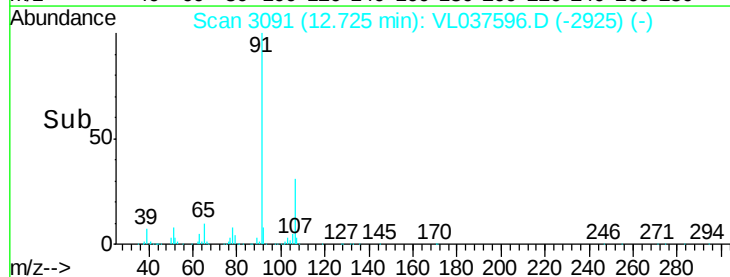
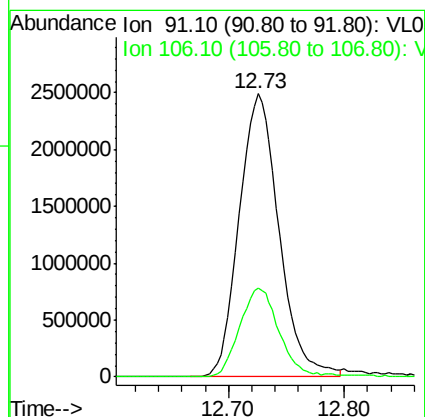
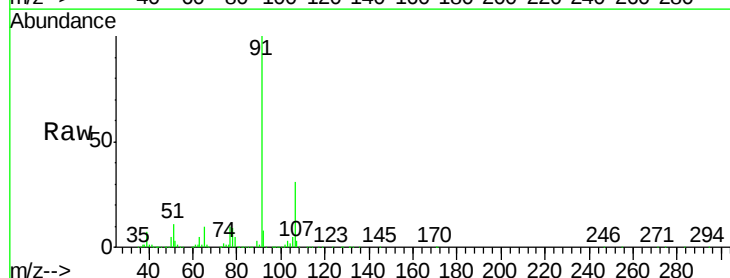
Acq: 9 Sep 2021 13:24

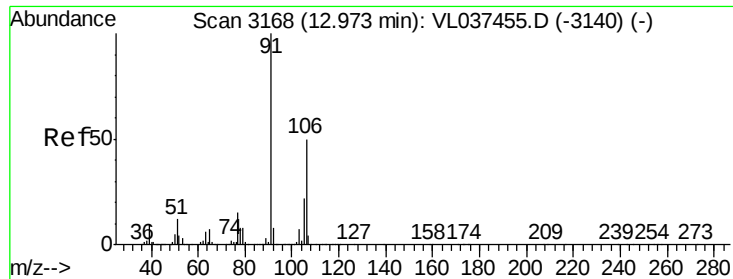
Tgt Ion: 91 Resp: 5935255

Ion Ratio Lower Upper

91 100

106 31.3 25.7 38.5





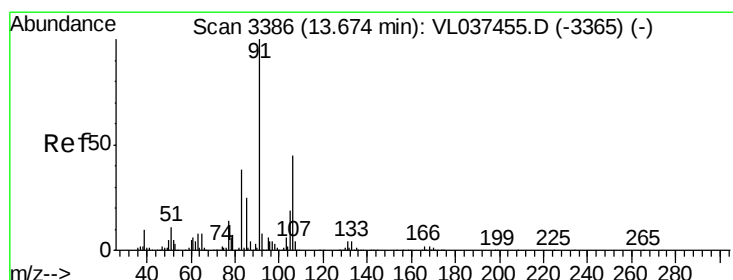
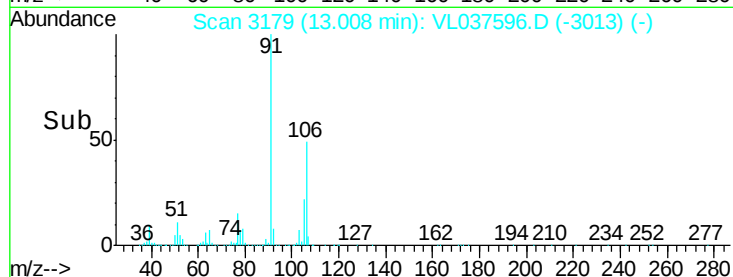
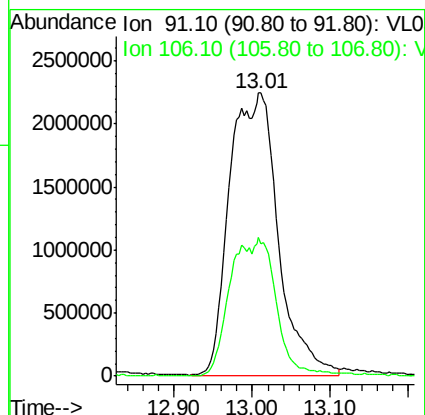
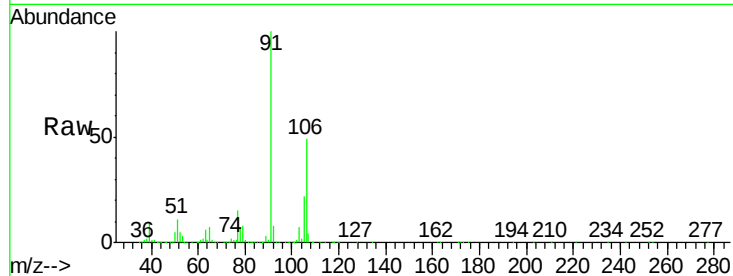
#59
m/p-Xylene
Concen: 19.393 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. 0.04 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampleId :
VL0909ABS01

Tot Ion: 91 Resp: 9802567
Ion Ratio Lower Upper
91 100
106 46.6 36.9 55.3

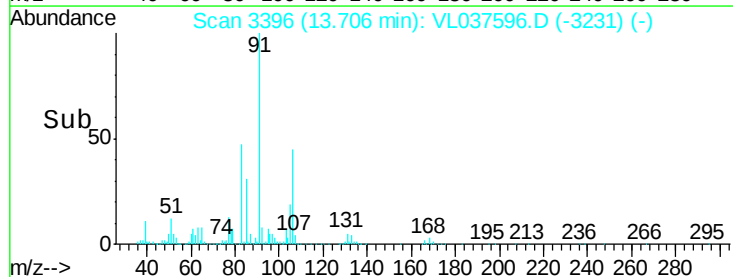
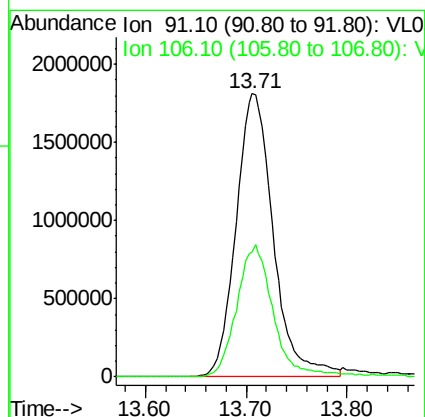
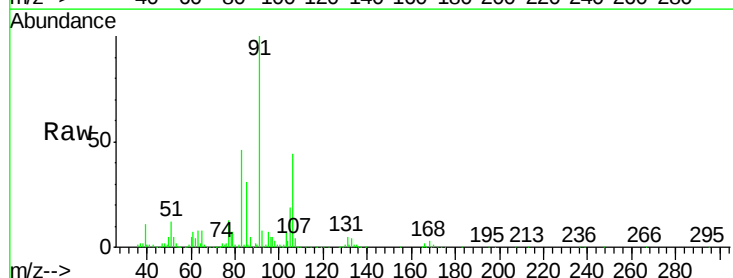
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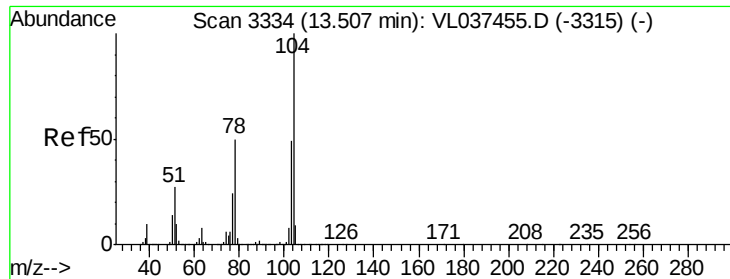
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#60
o-Xylene
Concen: 9.821 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 91 Resp: 4633371
Ion Ratio Lower Upper
91 100
106 46.4 23.7 71.1





#61

Stvrene

Concen: 10.695 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VL0909ABS01

Tot Ion:104 Resp: 2620963

Ion Ratio Lower Upper

104 100

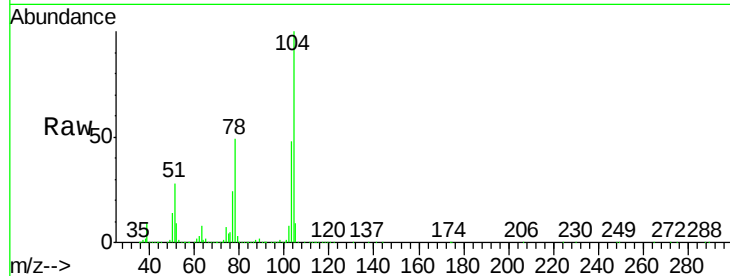
78 50.4 41.3 61.9

103 49.1 39.4 59.0

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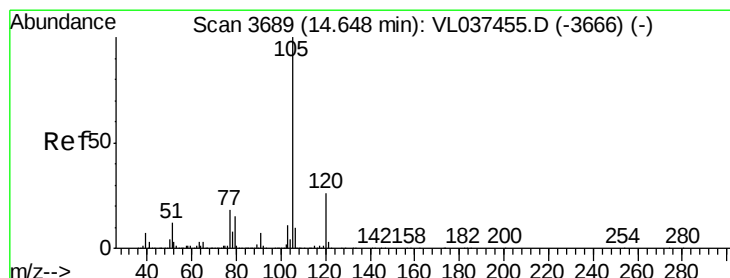
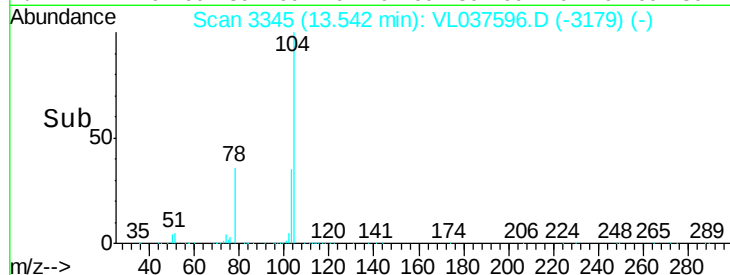
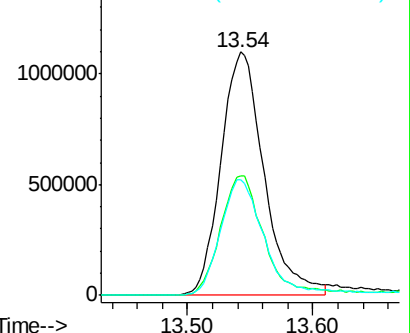
9/10/2021 6:37:10 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.307 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. 0.04 min

Lab File: VL037596.D

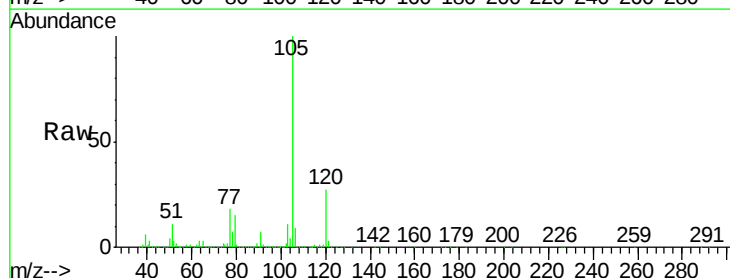
Acq: 9 Sep 2021 13:24

Tgt Ion:105 Resp: 6196590

Ion Ratio Lower Upper

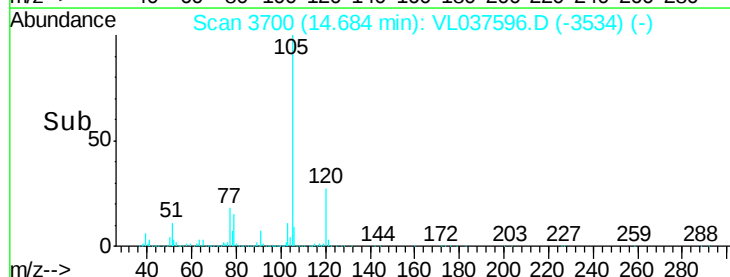
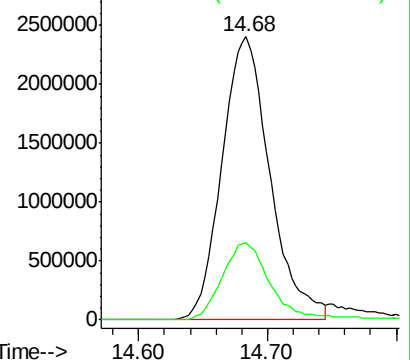
105 100

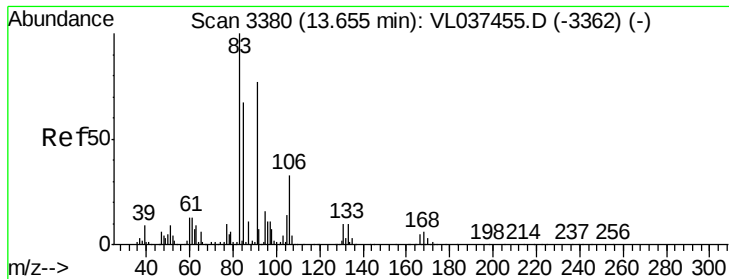
120 28.2 21.5 32.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





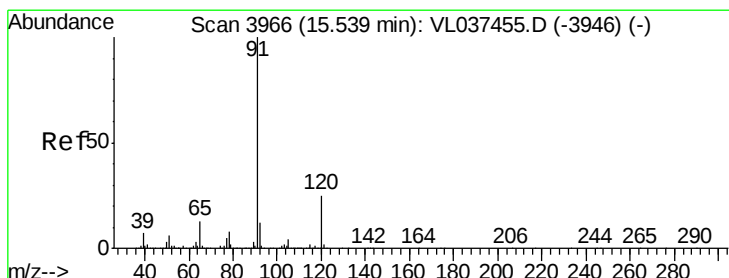
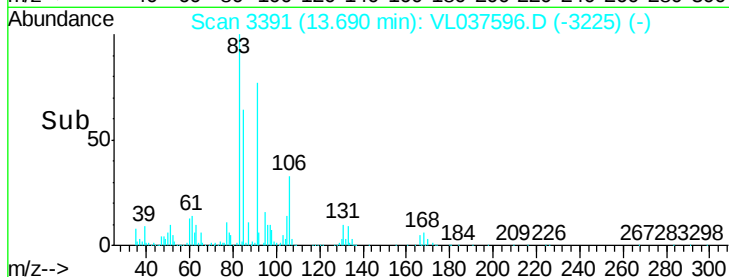
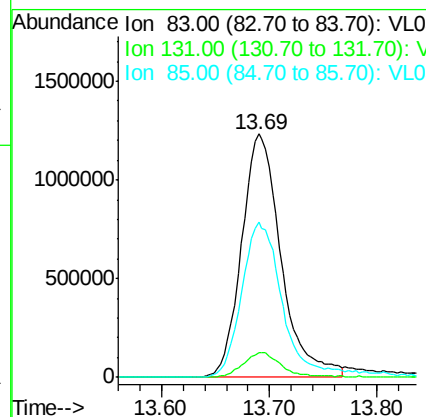
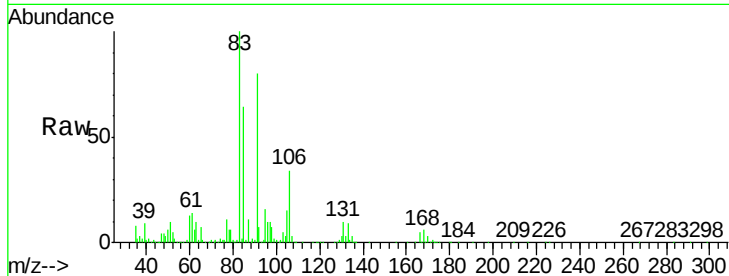
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.944 ppbv
 RT: 13.69 min Scan# 3391
 Delta R.T. 0.04 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0909ABS01

Tot Ion: 83 Resp: 3135939
 Ion Ratio Lower Upper
 83 100
 131 10.4 5.0 15.0
 85 68.3 33.8 101.3

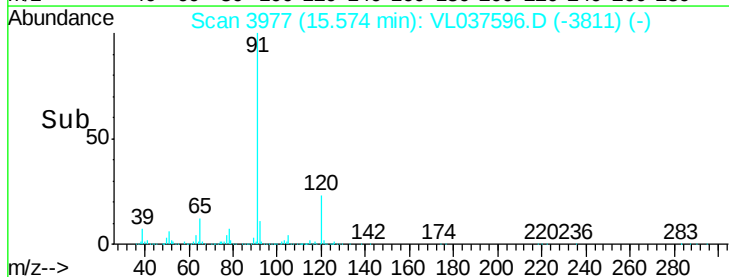
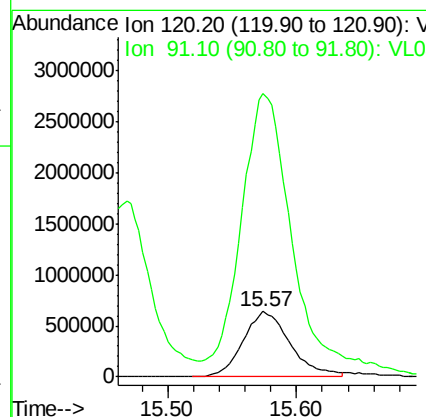
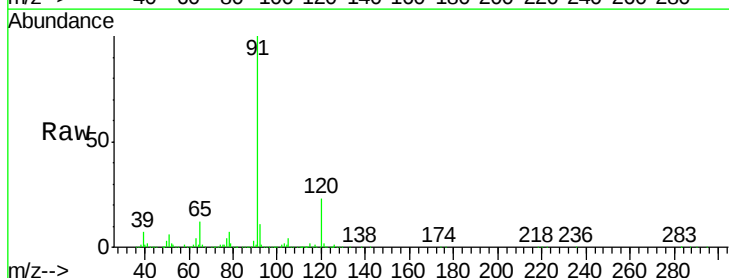
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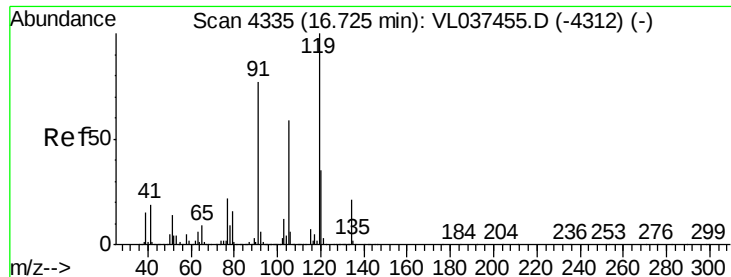
MMDadoda
 9/10/2021 6:37:10 PM



#64
 n-propylbenzene
 Concen: 9.596 ppbv
 RT: 15.57 min Scan# 3977
 Delta R.T. 0.04 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Tgt Ion: 120 Resp: 1625952
 Ion Ratio Lower Upper
 120 100
 91 484.8 373.8 560.6





#65

tert-Butylbenzene

Concen: 8.964 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VL0909ABS01

Tot Ion:119 Resp: 5435472

Ion Ratio Lower Upper

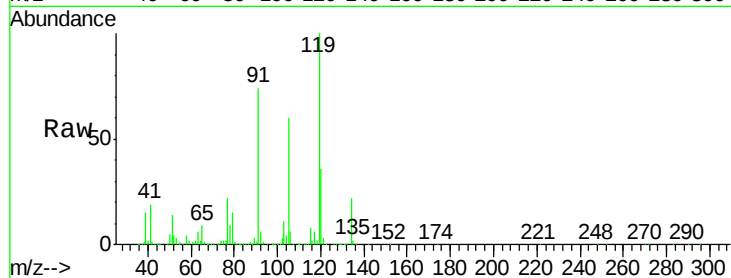
119 100

91 77.7 62.9 94.3

134 20.4 16.4 24.6

Manual Integrations
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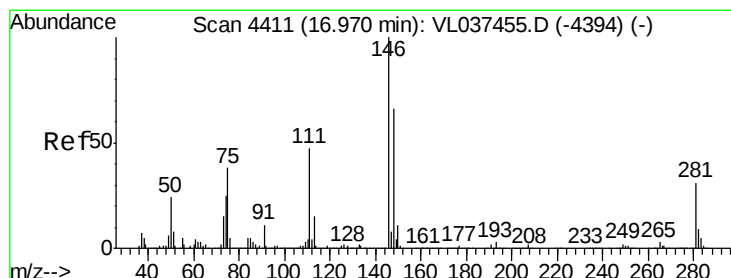
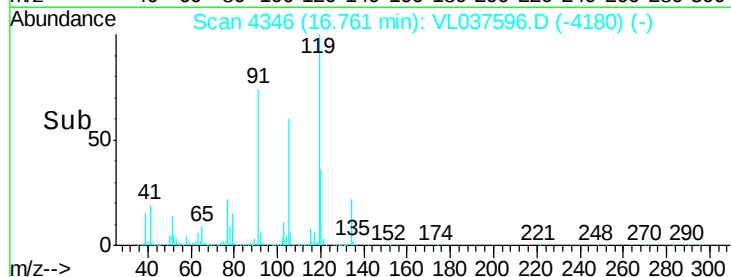
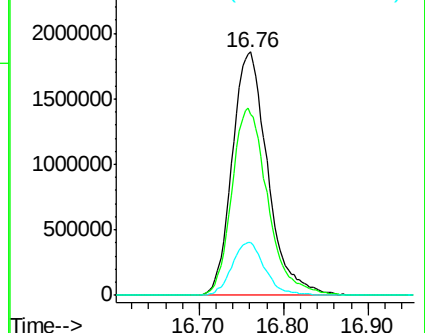
MMDadoda
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.423 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. 0.03 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

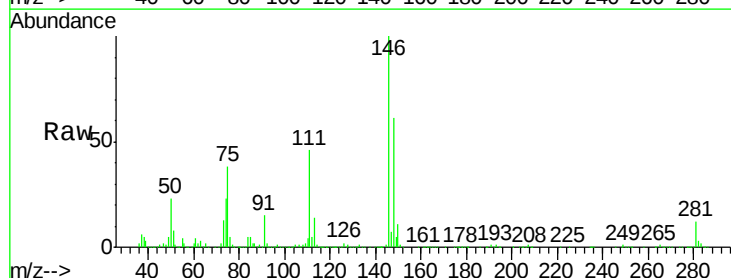
Tgt Ion: 91 Resp: 340771

Ion Ratio Lower Upper

91 100

126 18.2 15.9 23.9

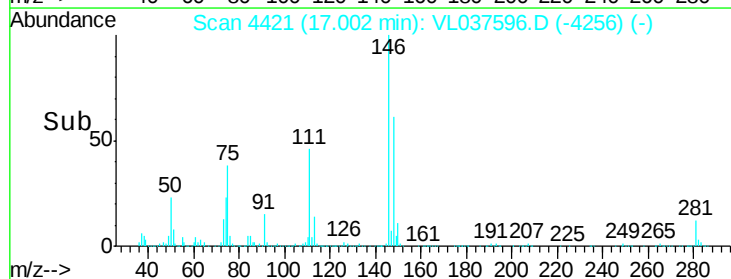
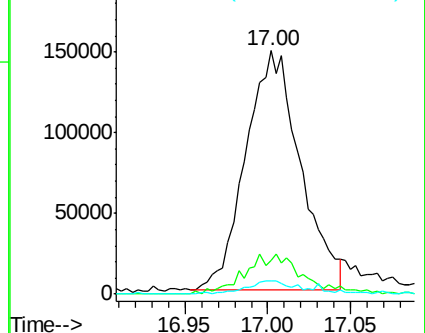
128 6.1 5.4 8.0

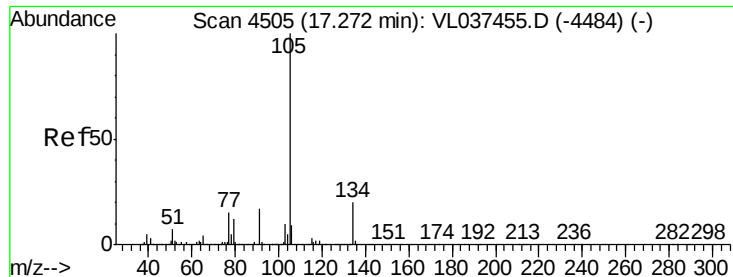


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.861 ppbv

RT: 17.31 min Scan# 4516

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VL0909ABS01

Tot Ion:105 Resp: 7507748

Ion Ratio Lower Upper

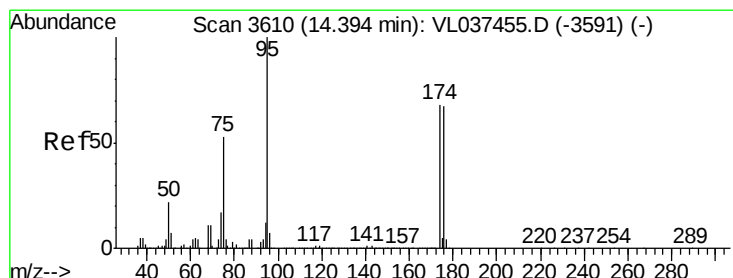
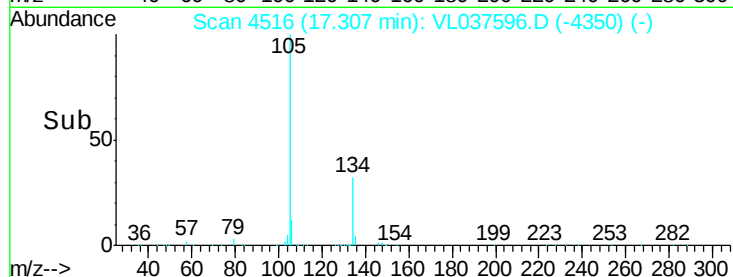
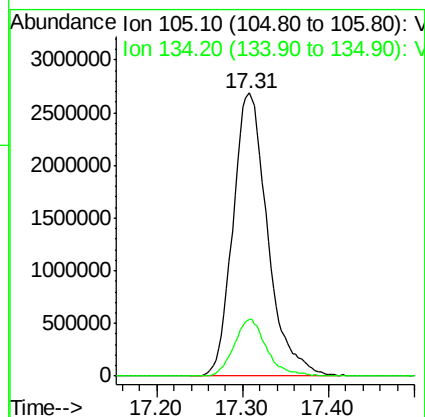
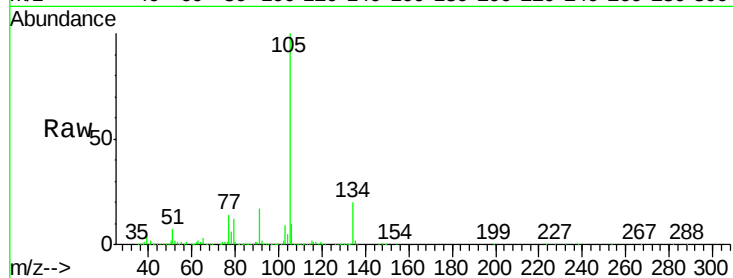
105 100

134 18.8 15.2 22.8

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.019 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

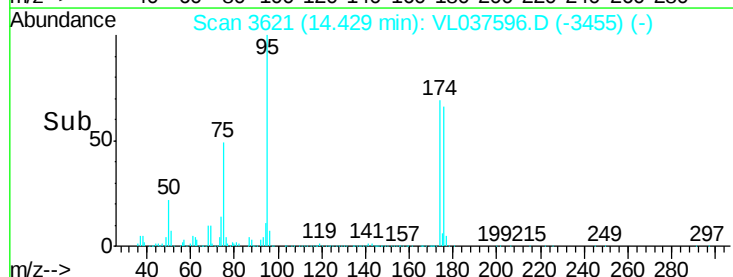
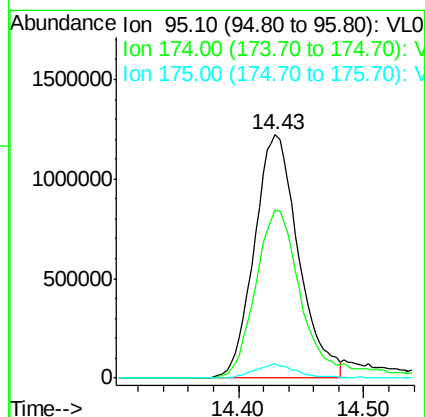
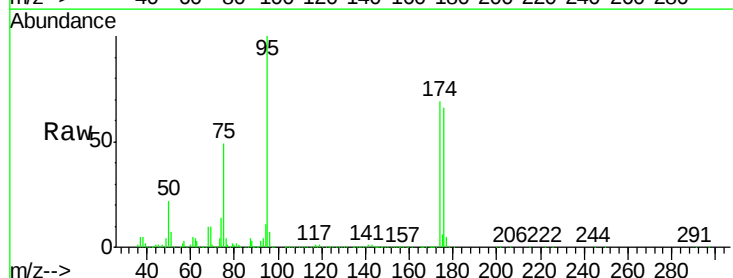
Tgt Ion: 95 Resp: 2990608

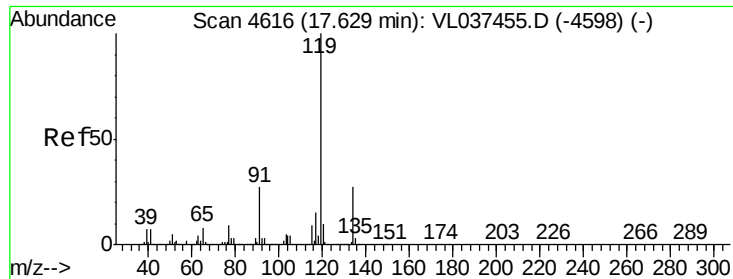
Ion Ratio Lower Upper

95 100

174 75.7 59.6 89.4

175 5.8 4.6 7.0





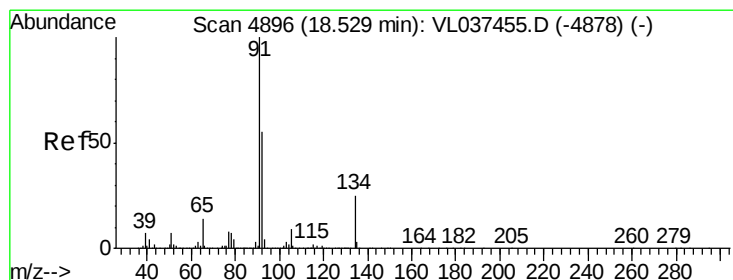
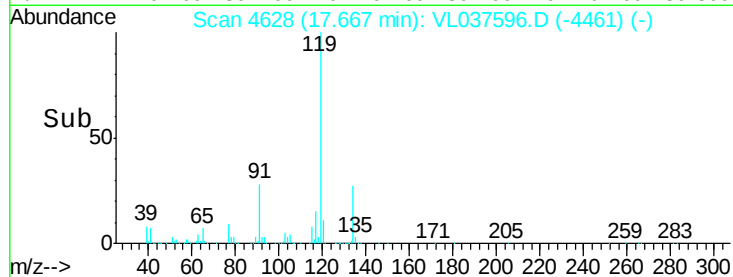
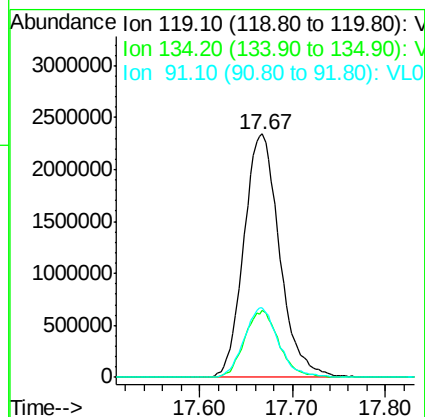
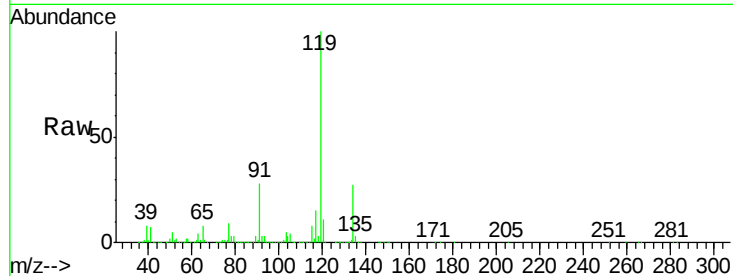
#69
p-Isopropyltoluene
Concen: 9.063 ppbv
RT: 17.67 min Scan# 4628
Delta R.T. 0.04 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampleId :
VL0909ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.1	31.7
91	27.4	22.4	33.6

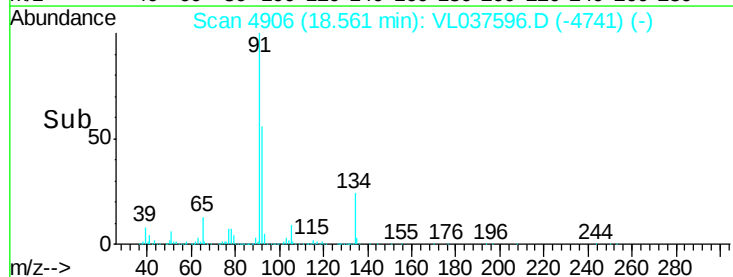
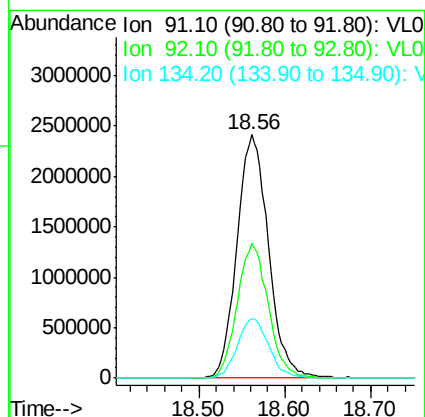
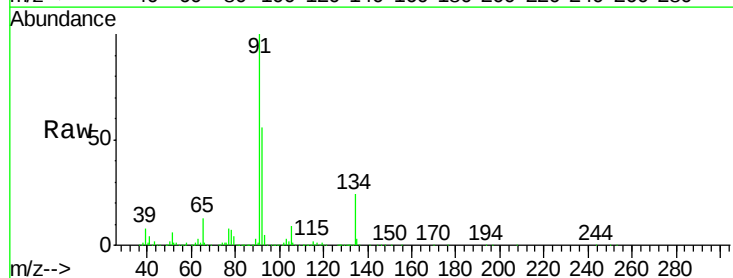
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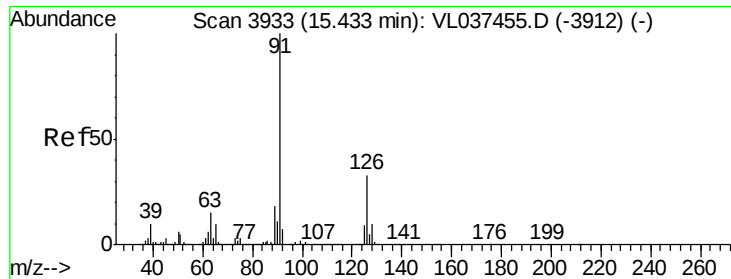
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#70
n-Butylbenzene
Concen: 9.307 ppbv
RT: 18.56 min Scan# 4906
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.0	66.0
134	24.4	19.5	29.3





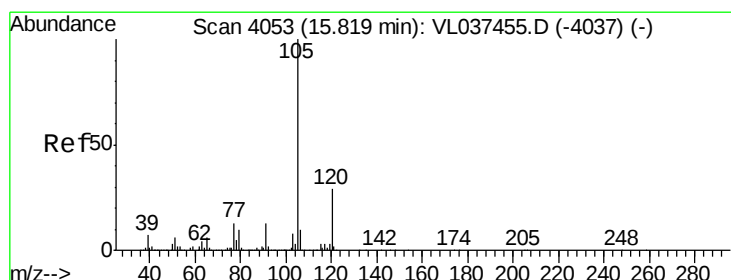
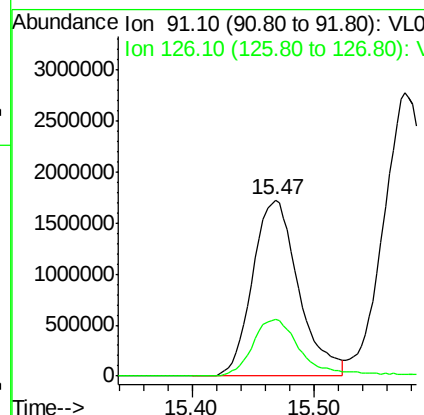
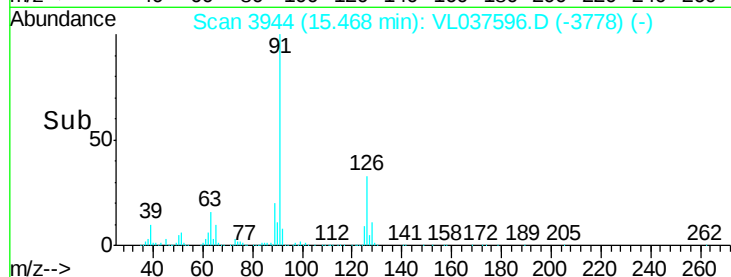
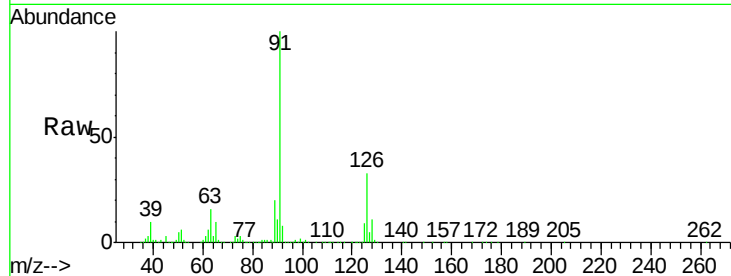
#71
 2-Chlorotoluene
 Concen: 9.220 ppbv
 RT: 15.47 min Scan# 3944
 Delta R.T. 0.04 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0909ABS01

Tot Ion: 91 Resp: 4501953
 Ion Ratio Lower Upper
 91 100
 126 34.8 13.6 54.4

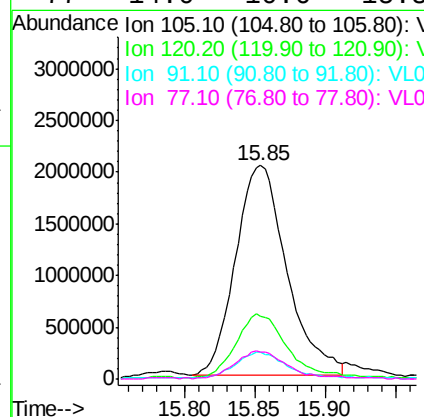
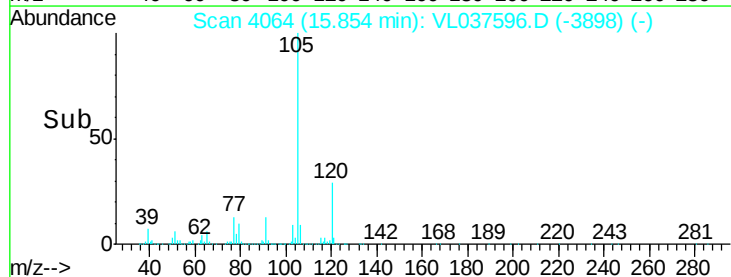
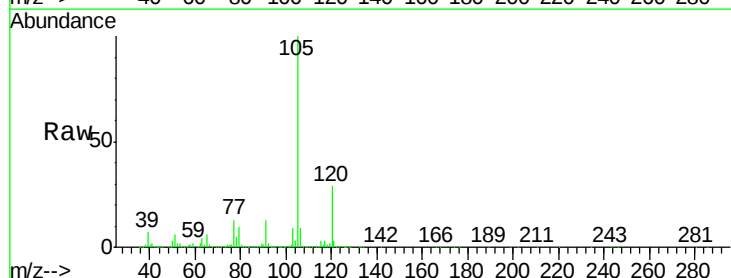
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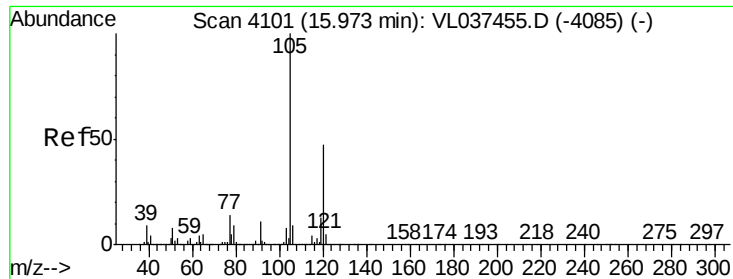
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#72
 4-Ethyltoluene
 Concen: 9.153 ppbv
 RT: 15.85 min Scan# 4064
 Delta R.T. 0.04 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Tgt Ion: 105 Resp: 5135971
 Ion Ratio Lower Upper
 105 100
 120 32.5 24.7 37.1
 91 12.8 9.8 14.8
 77 14.0 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 9.464 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VL0909ABS01

Tot Ion:105 Resp: 4943420

Ion Ratio Lower Upper

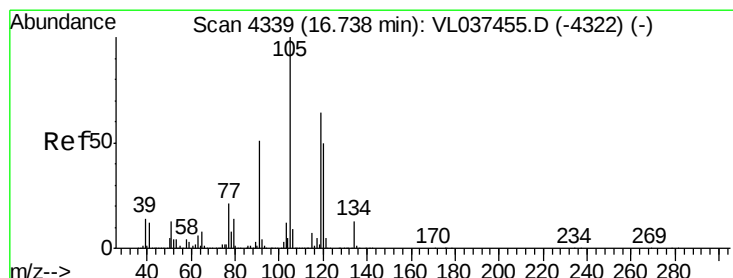
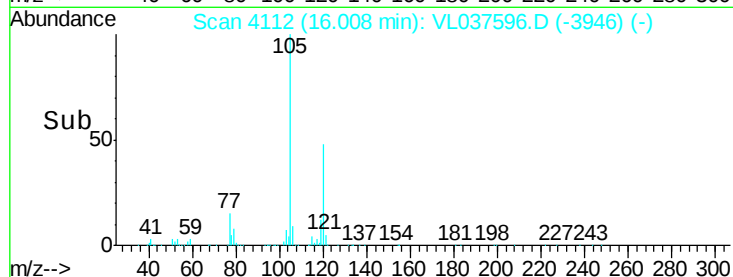
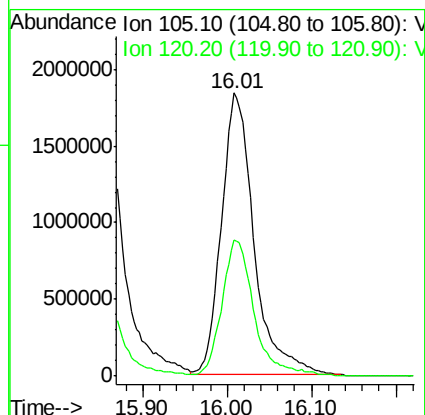
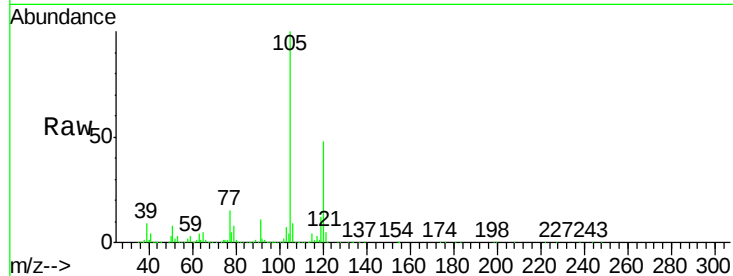
105 100

120 47.9 37.6 56.4

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#74

1,2,4-Trimethylbenzene

Concen: 8.969 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Tgt Ion:105 Resp: 4978460

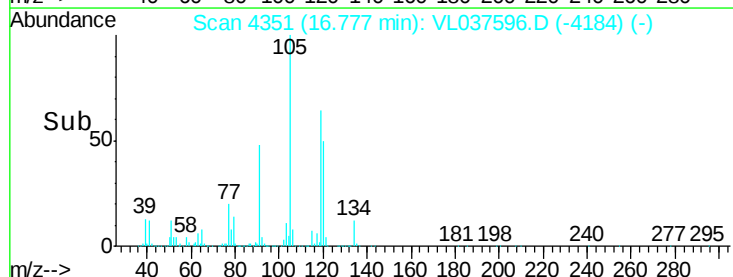
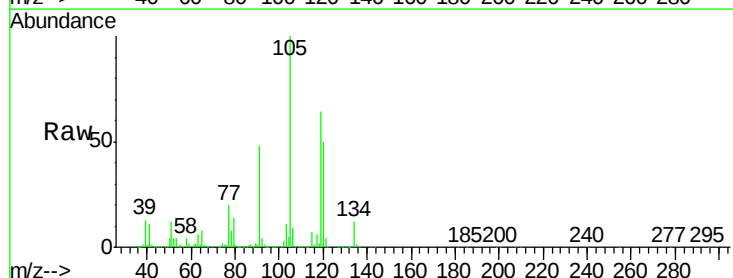
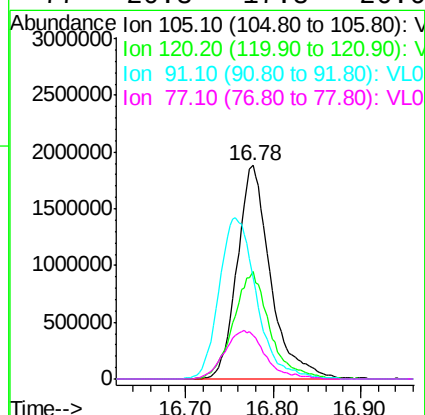
Ion Ratio Lower Upper

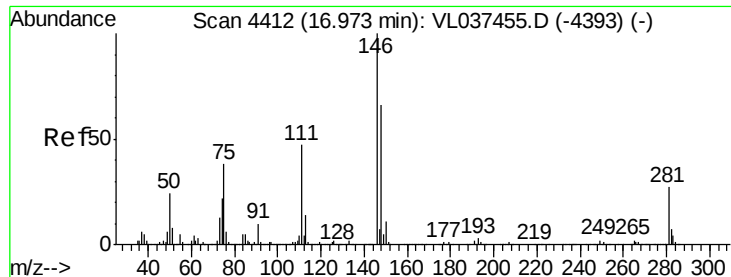
105 100

120 50.2 40.4 60.6

91 47.3 44.6 67.0

77 20.3 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 8.468 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampled :

VL0909ABS01

Tot Ion:146 Resp: 2829241

Ion Ratio Lower Upper

146 100

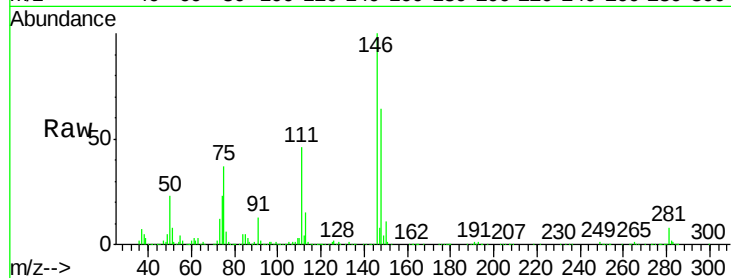
111 48.4 23.4 70.0

148 68.8 33.1 99.5

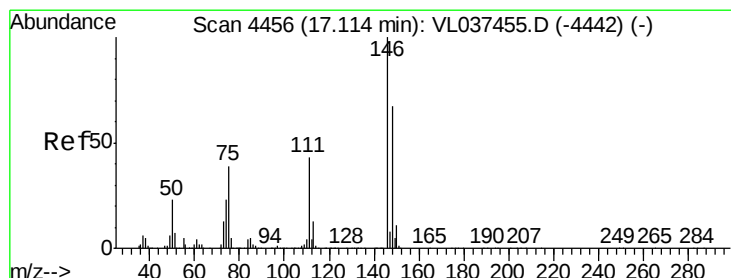
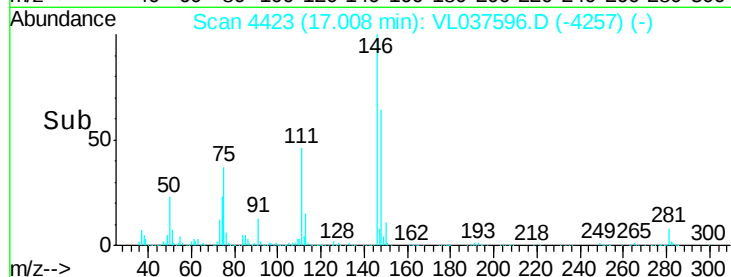
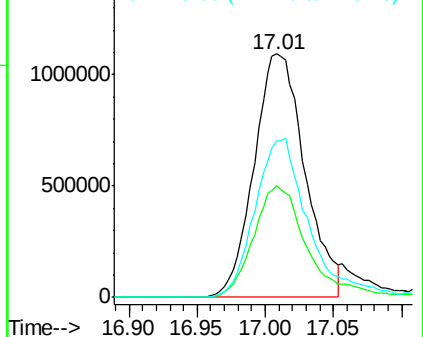
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.749 ppbv

RT: 17.15 min Scan# 4467

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

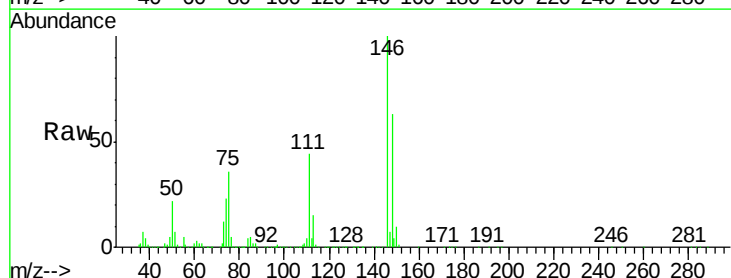
Tgt Ion:146 Resp: 2944573

Ion Ratio Lower Upper

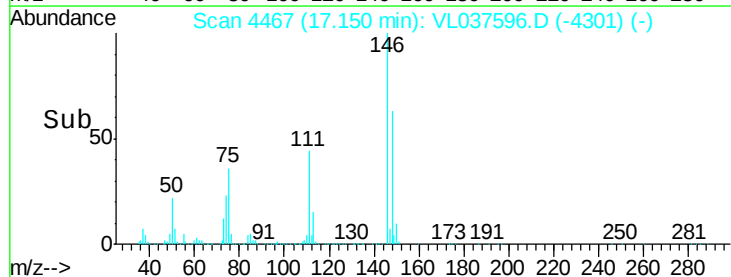
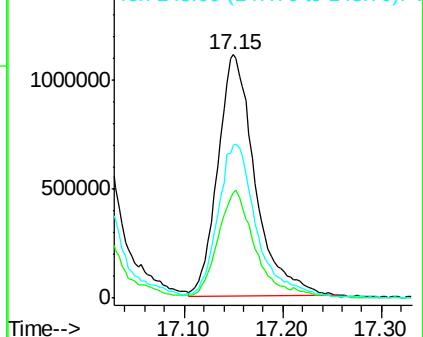
146 100

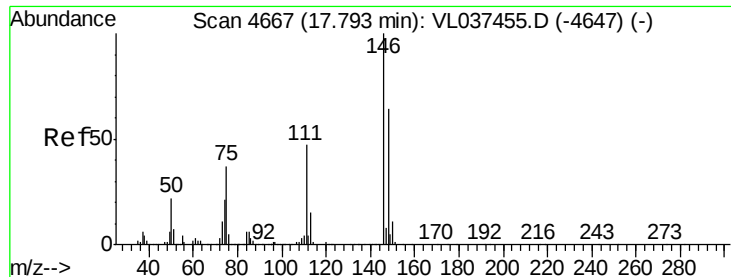
111 44.6 22.1 66.5

148 65.7 32.4 97.0



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





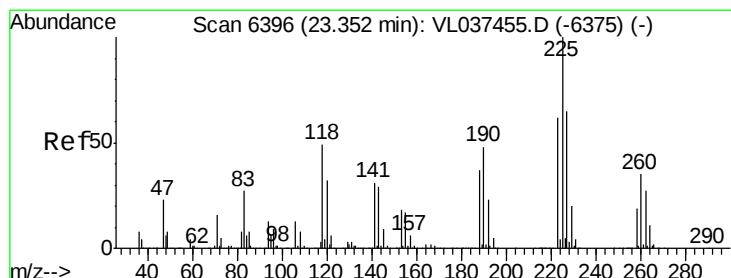
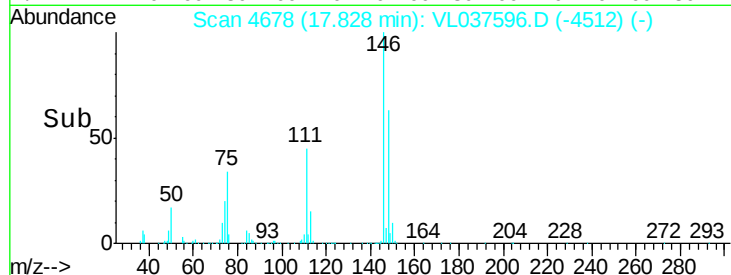
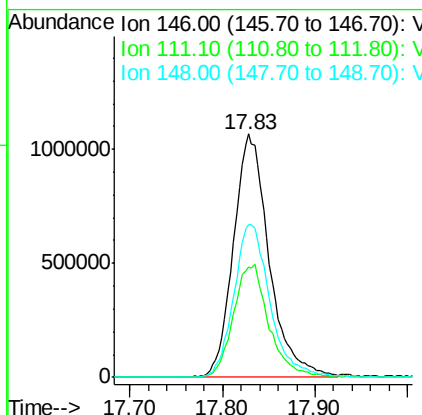
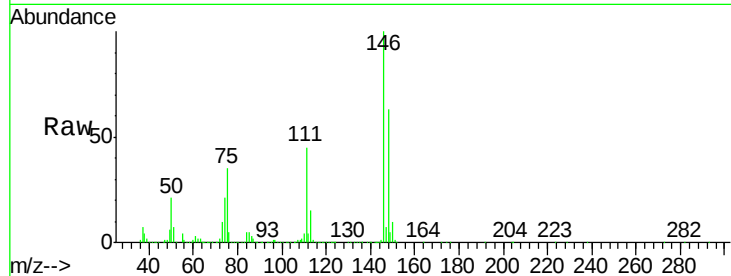
#77
 1,2-Dichlorobenzene
 Concen: 8.611 ppbv
 RT: 17.83 min Scan# 4678
 Delta R.T. 0.04 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0909ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.4	70.3
148	64.1	32.5	97.5

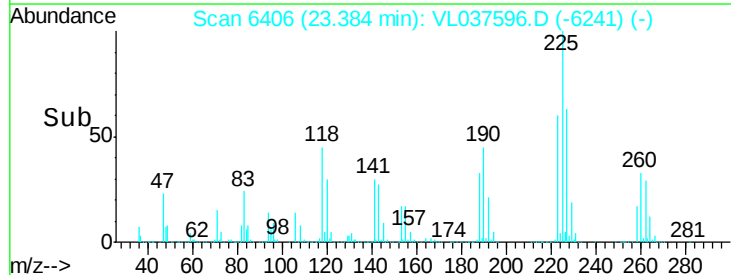
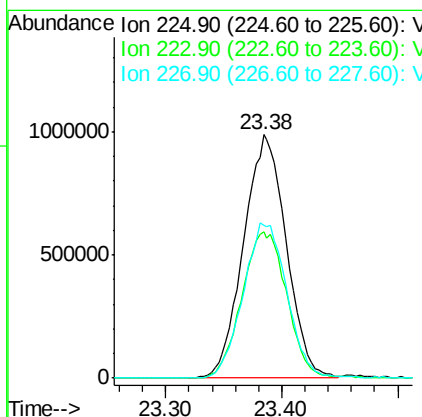
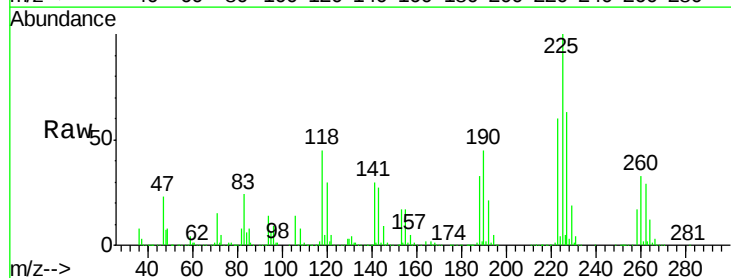
Manual Integrations
 APPROVED

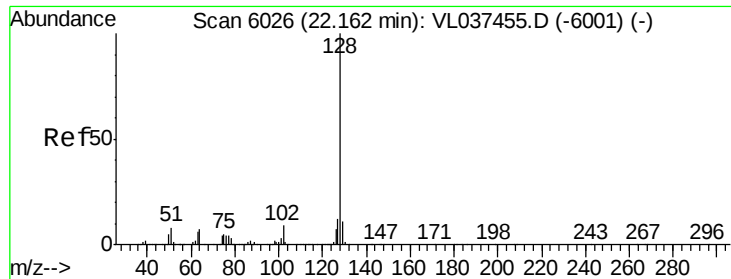
MMDadoda
 9/10/2021 6:37:10 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.211 ppbv
 RT: 23.38 min Scan# 6406
 Delta R.T. 0.03 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	51.4	77.0
227	65.5	52.9	79.3





#79

Naphthalene

Concen: 12.934 ppbv

RT: 22.21 min Scan# 6041

Delta R.T. 0.05 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VL0909ABS01

Tot Ion:128 Resp: 4804106

Ion Ratio Lower Upper

128 100

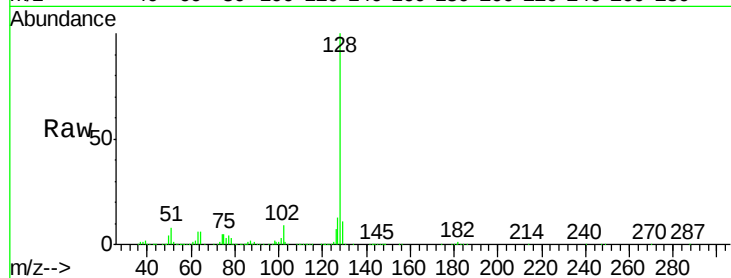
127 13.4 9.4 14.2

129 10.9 8.8 13.2

Manual Integrations
APPROVED

MMDadoda

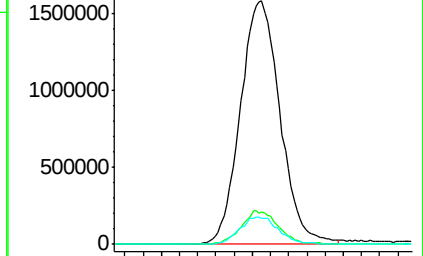
9/10/2021 6:37:10 PM



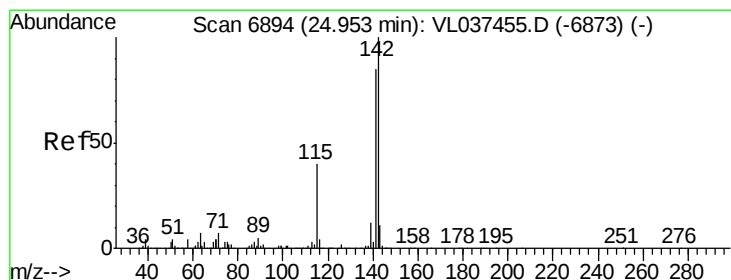
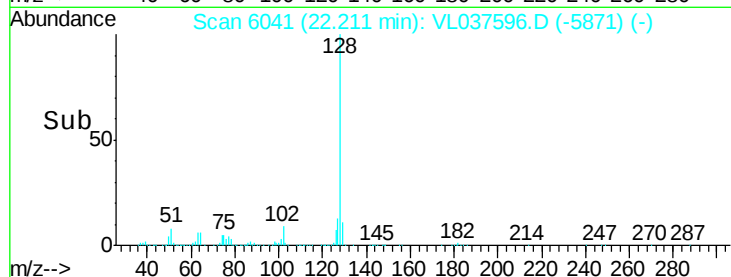
Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



Time-->



#80

Naphthalene, 2-methyl-

Concen: 11.020 ppbv

RT: 24.98 min Scan# 6902

Delta R.T. 0.03 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

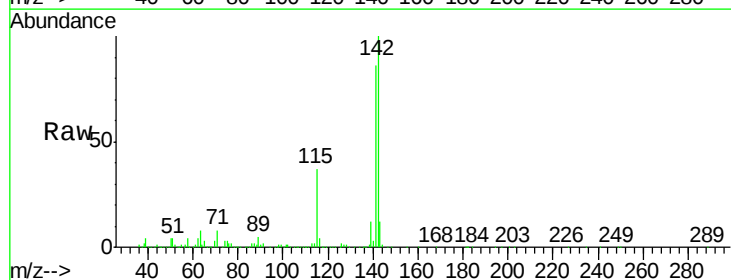
Tgt Ion:142 Resp: 1140325

Ion Ratio Lower Upper

142 100

141 90.3 64.7 97.1

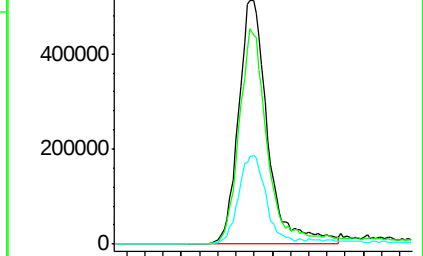
115 34.7 28.4 42.6



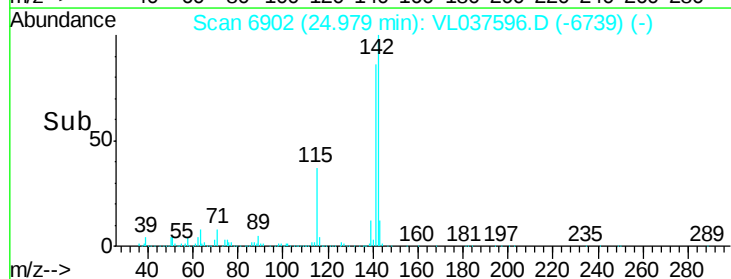
Abundance Ion 142.00 (141.70 to 142.70): V

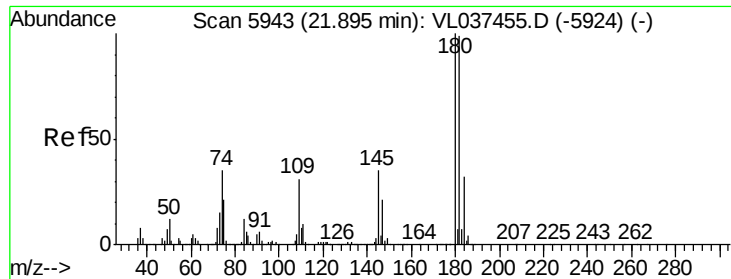
Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



Time-->





#81
 1,2,4-Trichlorobenzene
 Concen: 11.330 ppbv
 RT: 21.94 min Scan# 5956
 Delta R.T. 0.04 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0909ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	79.6	119.4
184	31.8	25.4	38.2

Manual Integrations
 APPROVED

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