

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091621\
 Data File : VL037619.D
 Acq On : 16 Sep 2021 16:53
 Operator : SY/AP
 Sample : VL0916ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Manual Integrations
 APPROVED

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 9/20/2021 5:27:05 PM

Quant Time: Sep 17 05:40:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 17 05:40:54 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1573535	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4804195	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4308944m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3156331	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2029432	7.127	ppbv	99
3) Chlorodifluoromethane	2.98	51	2843234	9.580	ppbv	99
4) Chloromethane	3.13	50	1058973	9.657	ppbv	99
5) Vinyl Chloride	3.25	62	1058544	10.277	ppbv	95
6) Bromomethane	3.46	94	606735	10.135	ppbv	94
7) Chloroethane	3.55	64	359081	9.328	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2379116	9.686	ppbv	99
9) Propene	3.00	41	1034317	9.879	ppbv	97
10) Heptane	8.11	43	2588683	10.596	ppbv	100
11) Trichlorofluoromethane	3.94	101	2242414	9.809	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1687760	10.002	ppbv	100
13) Ethanol	3.60	45	100417m	9.806	ppbv	
14) Bromoethene	3.73	108	751251	9.781	ppbv	99
15) Acetone	3.84	43	1274471	7.795	ppbv	99
16) 1,3-Butadiene	3.32	39	1055792	10.335	ppbv	98
17) tert-Butyl alcohol	4.27	59	1572249	11.341	ppbv	99
18) 1,1-Dichloroethene	4.28	96	782883	9.960	ppbv	99
19) Isopropyl Alcohol	3.95	45	918497	10.325	ppbv	# 97
20) Methylene Chloride	4.33	84	663457	8.500	ppbv	98
21) Allyl Chloride	4.40	41	1262880	10.340	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	803734	10.163	ppbv	95
23) Vinyl Acetate	5.06	43	2117386	9.359	ppbv	# 99
24) 1,1-Dichloroethane	5.00	63	1575155	9.719	ppbv	97
25) Ethyl Acetate	5.66	43	4045857	10.218	ppbv	100
26) Hexane	5.67	57	1881280	10.002	ppbv	98
27) Carbon Disulfide	4.54	76	1942886	11.291	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1663255	10.039	ppbv	98
29) Chloroform	5.74	83	2619824	9.539	ppbv	99
30) Cyclohexane	7.11	84	1589000	9.878	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1786323	10.461	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	2623956	10.262	ppbv	99
34) 2-Butanone	5.23	43	1747850	8.953	ppbv	99
35) Carbon Tetrachloride	7.00	117	2690988	9.902	ppbv	99
36) Benzene	6.88	78	3982468	9.941	ppbv	97
37) 1,2-Dichloroethane	6.29	62	1911997	9.704	ppbv	100
38) Trichloroethene	7.82	130	1547210	9.246	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1489498	9.707	ppbv	97
40) 1,4-Dioxane	7.81	88	390315m	10.458	ppbv	
41) Tetrahydrofuran	6.03	42	933289	10.169	ppbv	99
42) Bromodichloromethane	7.77	83	2857521	10.119	ppbv	97
43) Methyl Methacrylate	8.00	69	1426025	10.700	ppbv	98

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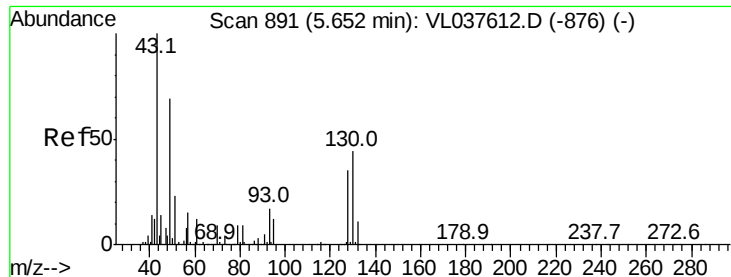
Manual Integrations
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Quant Time: Sep 17 05:40:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 17 05:40:54 2021
 QLast Update : Thu Sep 16 13:42:46 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	6532941	9.700	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1202285	11.485	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1633325	11.551	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1579746	9.307	ppbv	97
48) Dibromochloromethane	10.28	129	2428173	10.255	ppbv	98
49) Bromoform	13.02	173	1872342	9.880	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2540483	10.252	ppbv	100
51) 2-Hexanone	10.12	43	1162375	10.632	ppbv #	100
52) Tetrachloroethene	11.20	164	1439644	9.361	ppbv	99
53) Toluene	9.79	91	4542723	10.202	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2256420	9.709	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1663858	9.309	ppbv #	91
57) Chlorobenzene	12.13	112	3188505	8.901	ppbv	100
58) Ethyl Benzene	12.69	91	5689462	9.947	ppbv	99
59) m/p-Xylene	12.98	91	9497726m	19.054	ppbv	
60) o-Xylene	13.67	91	4424068	9.325	ppbv	98
61) Styrene	13.51	104	2457374	10.504	ppbv	99
62) Isopropylbenzene	14.65	105	6063768	9.149	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	3053948	8.225	ppbv	99
64) n-propylbenzene	15.54	120	1619122m	9.467	ppbv	
65) tert-Butylbenzene	16.73	119	5355997	8.963	ppbv	99
66) Benzyl Chloride	16.97	91	331910	10.164	ppbv	95
67) sec-Butylbenzene	17.27	105	7471938	9.216	ppbv	99
69) p-Isopropyltoluene	17.63	119	6268611	9.464	ppbv	100
70) n-Butylbenzene	18.53	91	6119777	9.765	ppbv	100
71) 2-Chlorotoluene	15.43	91	4376810	9.215	ppbv	98
72) 4-Ethyltoluene	15.82	105	5189164	9.528	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	4659638	9.179	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4894478	9.154	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	2898255	8.724	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	2802548	8.554	ppbv	96
77) 1,2-Dichlorobenzene	17.79	146	2809799	8.918	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2349304	8.859	ppbv	99
79) Naphthalene	22.17	128	4125829	12.567	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	1199253	15.982	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	2380355	11.293	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 49 Resp: 1573535

Ion Ratio Lower Upper

49 100

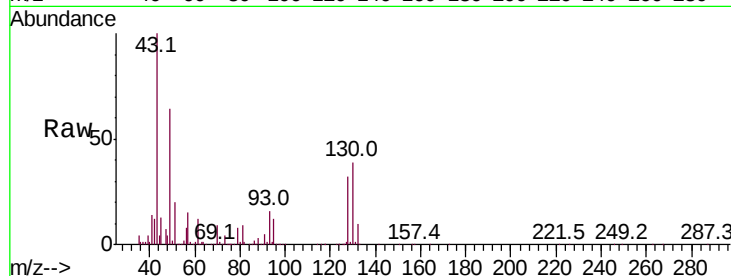
128 58.4 27.9 83.6

130 68.7 33.9 101.7

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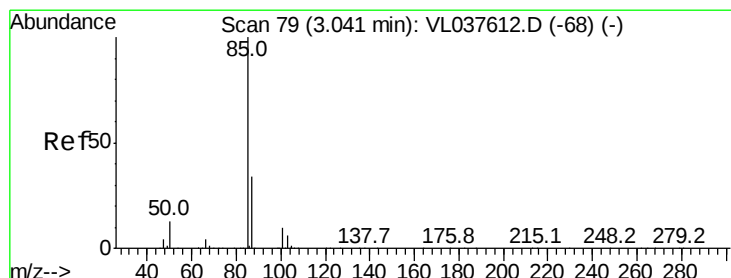
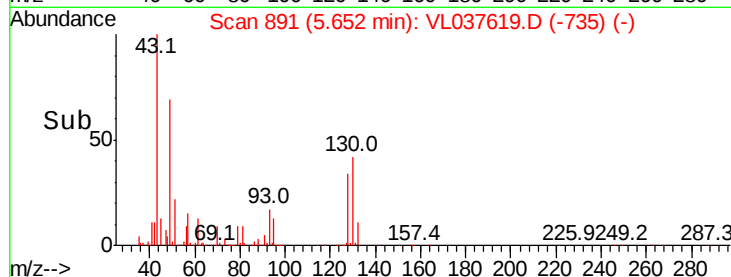
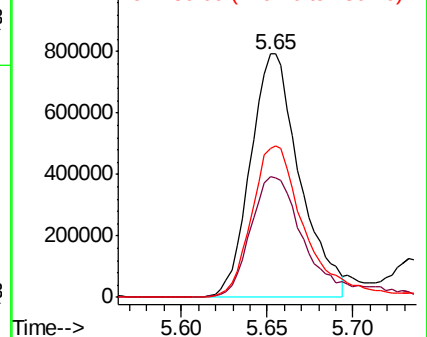
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.127 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL037619.D

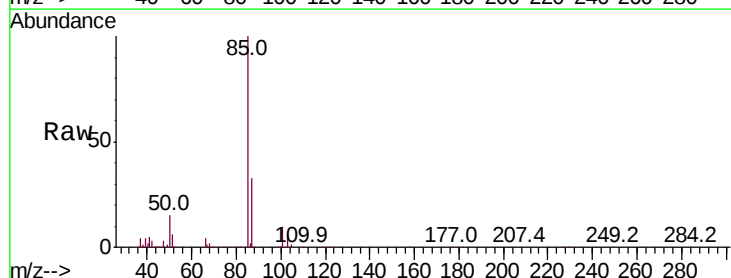
Acq: 16 Sep 2021 16:53

Tgt Ion: 85 Resp: 2029432

Ion Ratio Lower Upper

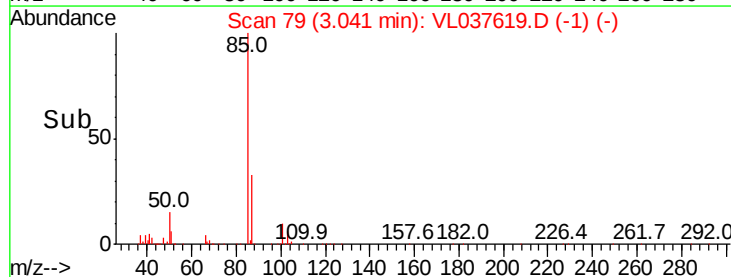
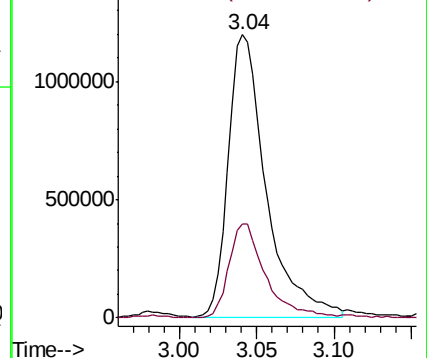
85 100

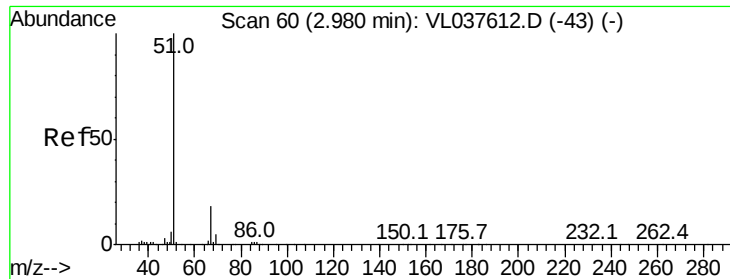
87 33.2 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.580 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Tot Ion: 51 Resp: 2843234

Ion Ratio Lower Upper

51 100

67 17.2 14.0 21.0

Instrument :

MSVOA_L

ClientSampleId :

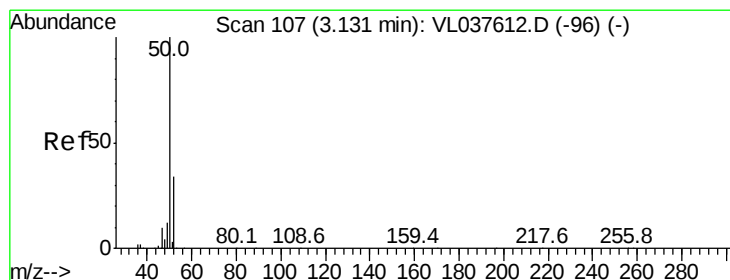
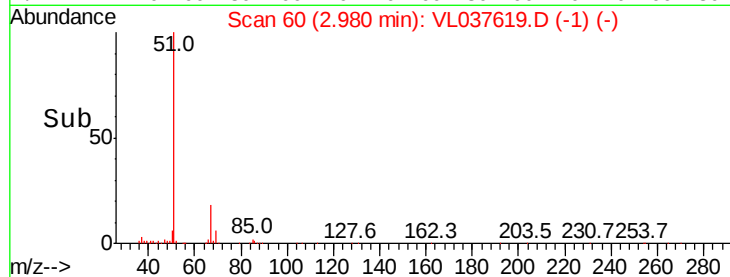
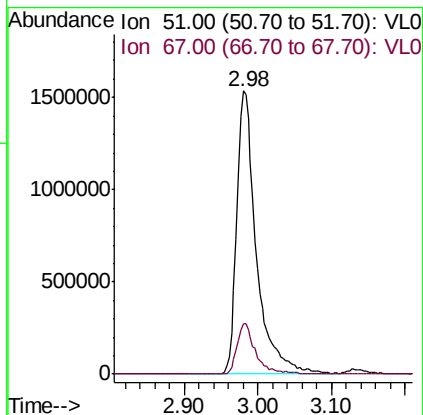
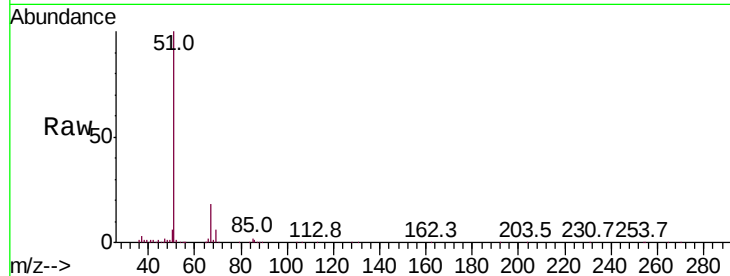
VL0916ABS01

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#4

Chloromethane

Concen: 9.657 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.00 min

Lab File: VL037619.D

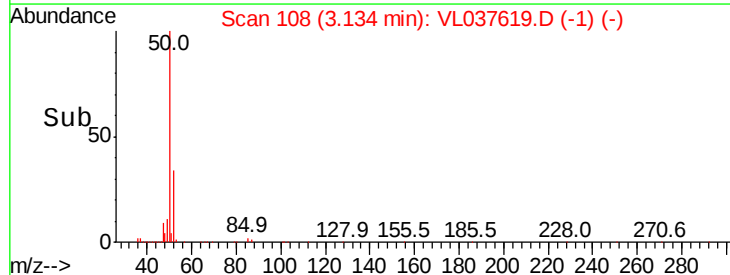
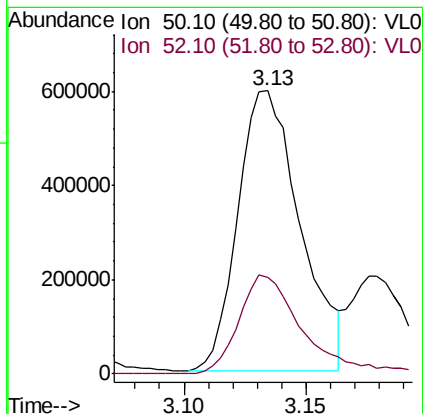
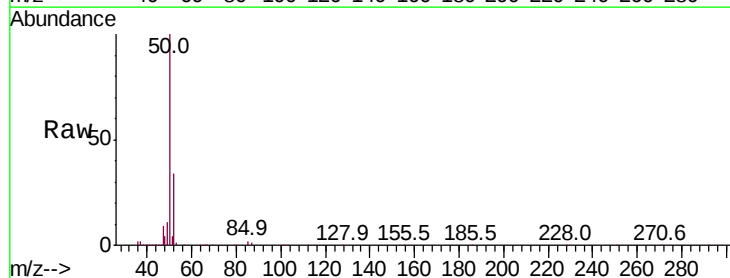
Acq: 16 Sep 2021 16:53

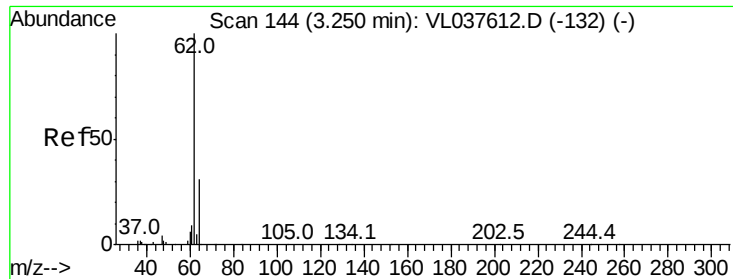
Tgt Ion: 50 Resp: 1058973

Ion Ratio Lower Upper

50 100

52 34.2 27.1 40.7





#5

Vinyl Chloride

Concen: 10.277 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 62 Resp: 1058544

Ion Ratio Lower Upper

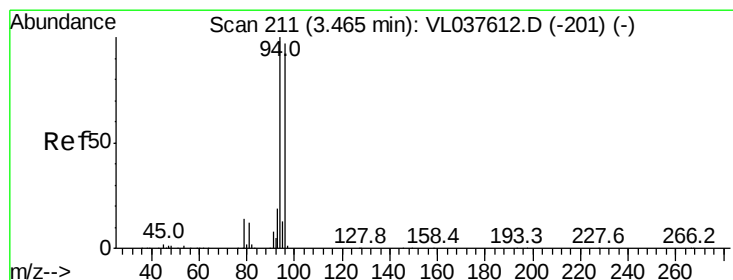
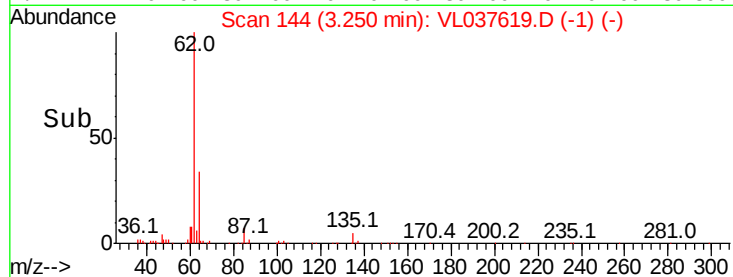
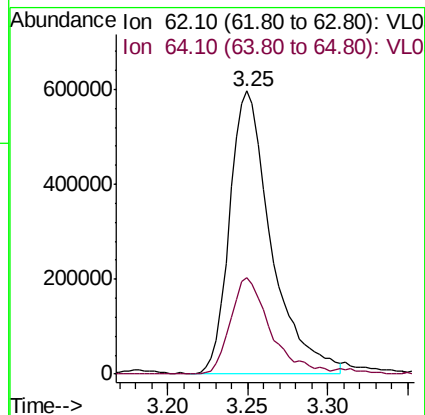
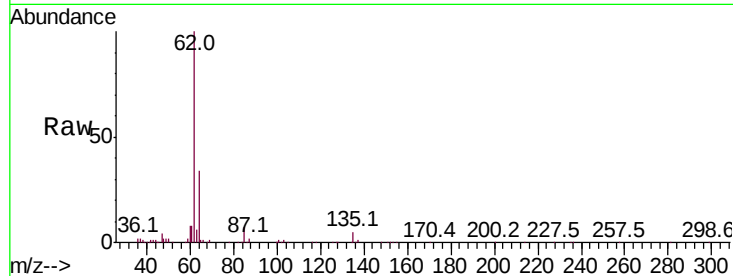
62 100

64 34.1 24.9 37.3

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#6

Bromomethane

Concen: 10.135 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL037619.D

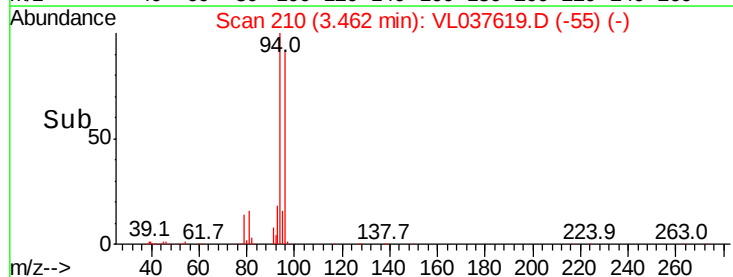
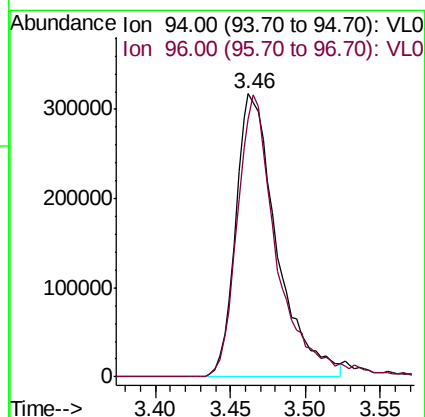
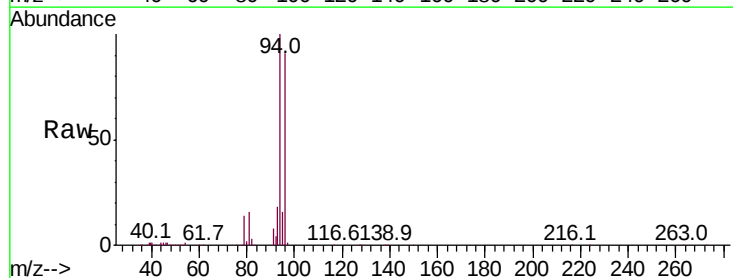
Acq: 16 Sep 2021 16:53

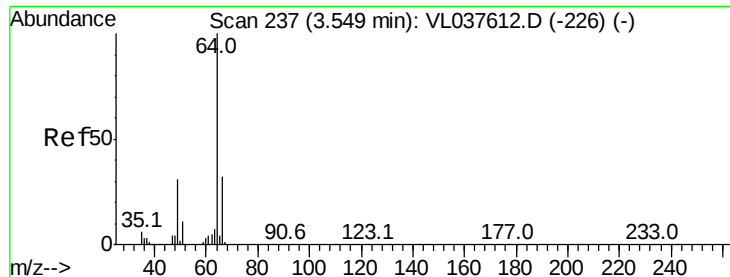
Tgt Ion: 94 Resp: 606735

Ion Ratio Lower Upper

94 100

96 91.0 77.3 115.9





#7

Chloroethane

Concen: 9.328 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 64 Resp: 359081

Ion Ratio Lower Upper

64 100

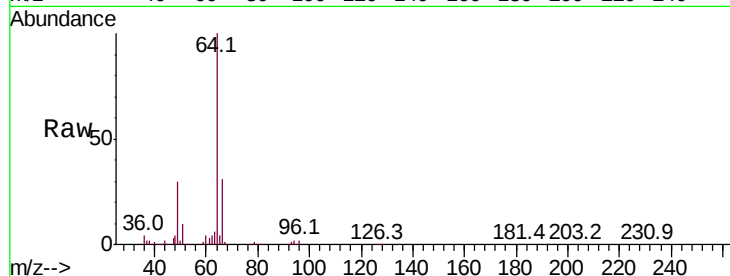
66 30.8 25.3 37.9

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

50000

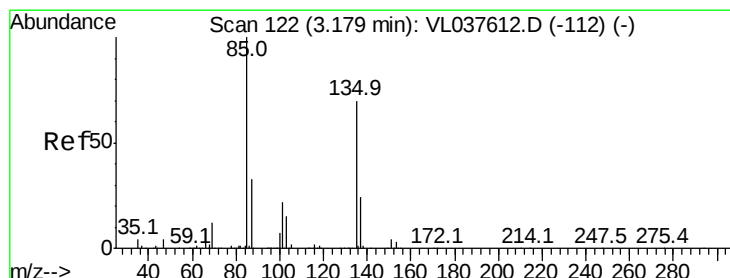
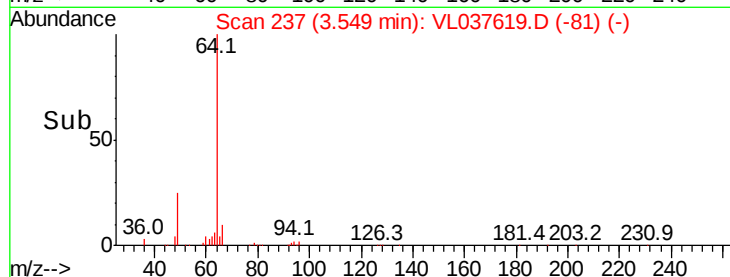
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.686 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037619.D

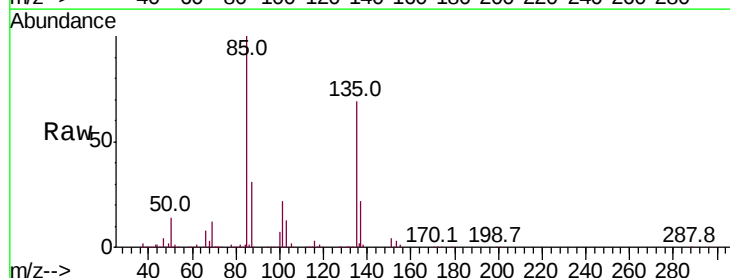
Acq: 16 Sep 2021 16:53

Tgt Ion: 85 Resp: 2379116

Ion Ratio Lower Upper

85 100

135 74.7 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

500000

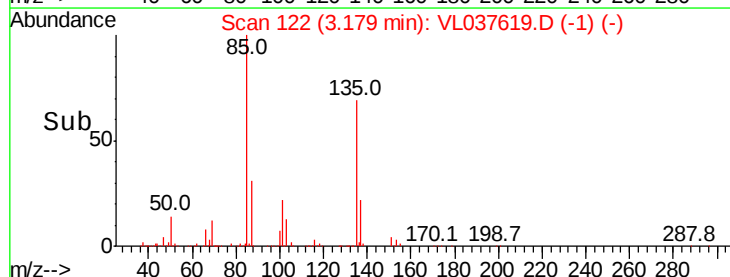
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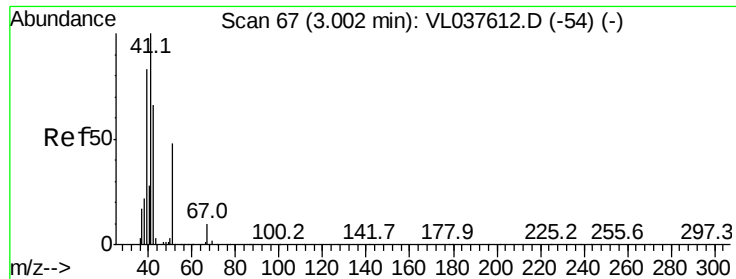
3.15

3.20

3.25

Time-->





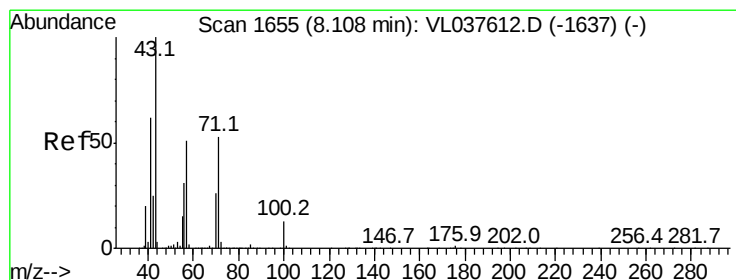
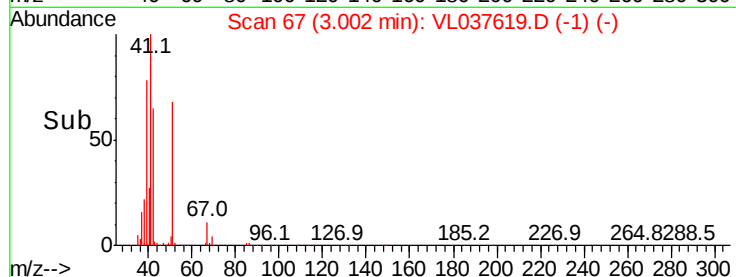
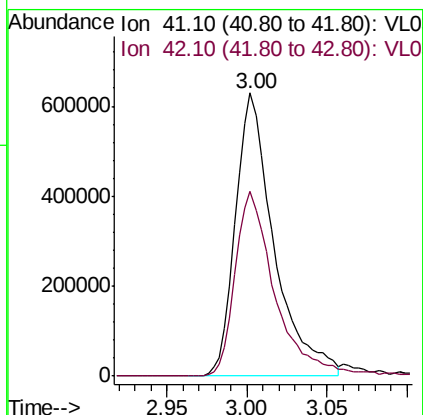
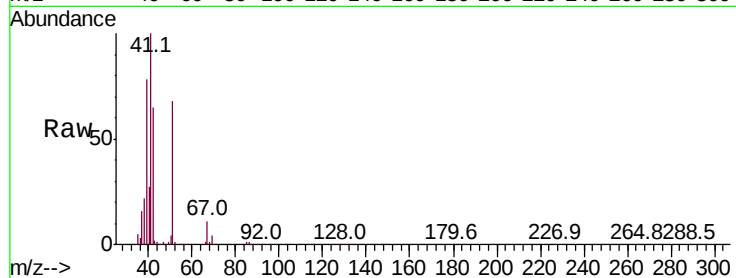
#9
 Propene
 Concen: 9.879 ppbv
 RT: 3.00 min Scan# 67
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion: 41 Resp: 1034317
 Ion Ratio Lower Upper
 41 100
 42 68.7 57.2 85.8

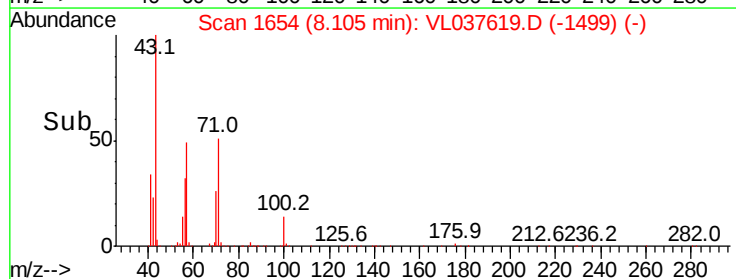
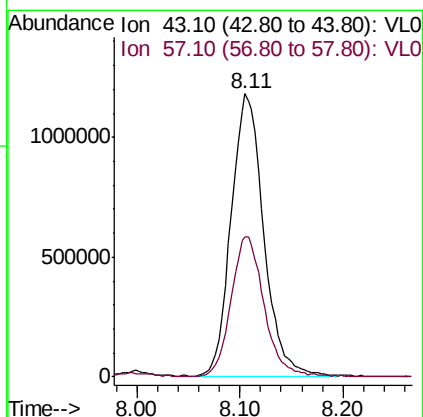
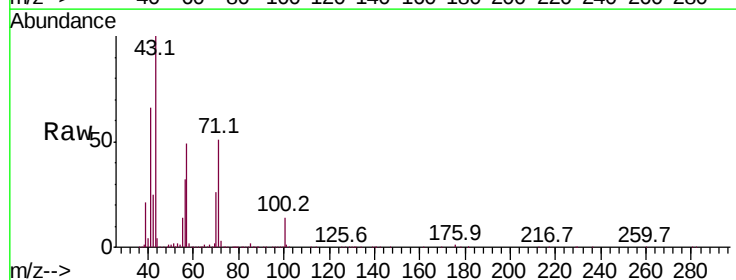
Manual Integrations
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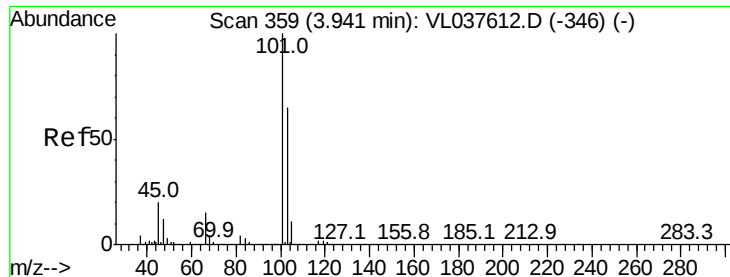
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#10
 Heptane
 Concen: 10.596 ppbv
 RT: 8.11 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Tgt Ion: 43 Resp: 2588683
 Ion Ratio Lower Upper
 43 100
 57 50.3 40.1 60.1





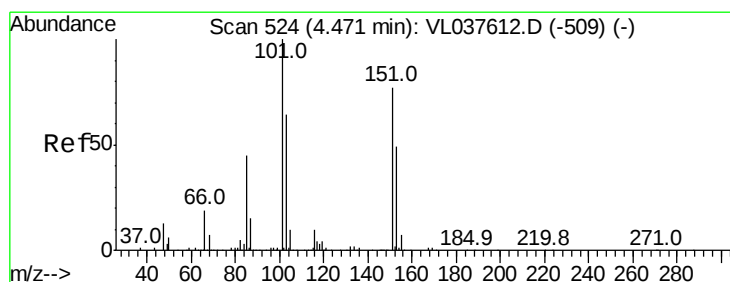
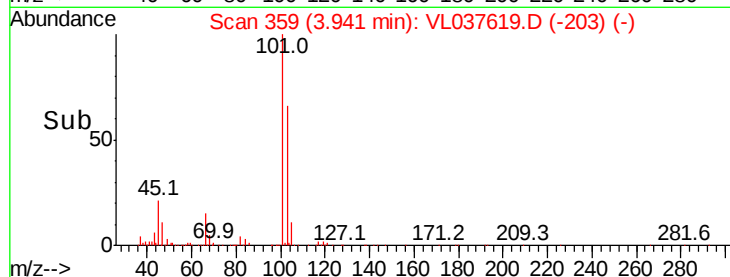
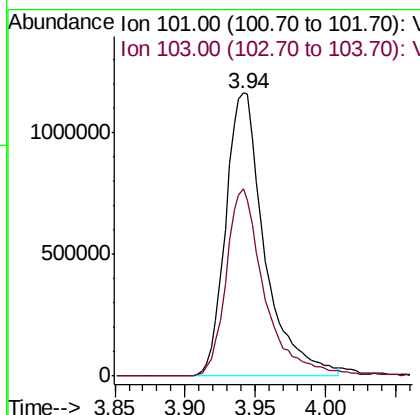
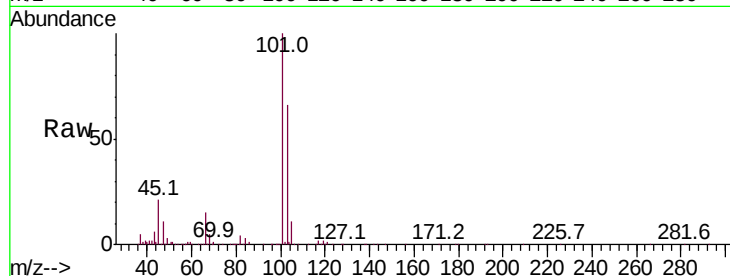
#11
 Trichlorofluoromethane
 Concen: 9.809 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion:101 Resp: 2242414
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.9 77.9

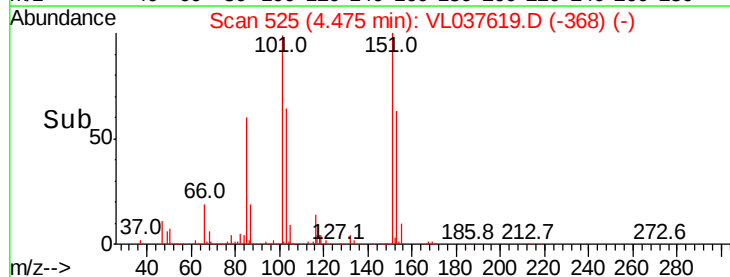
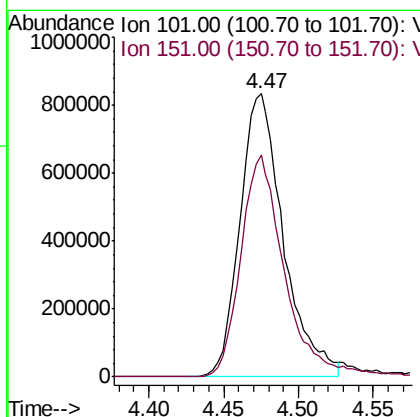
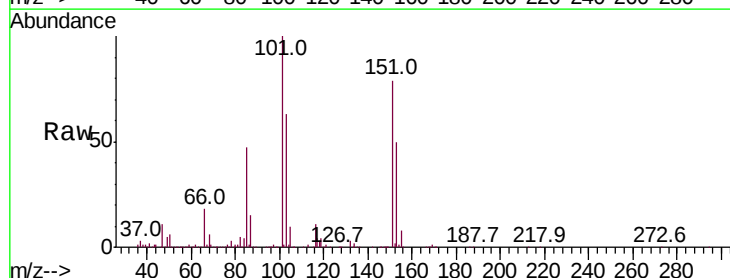
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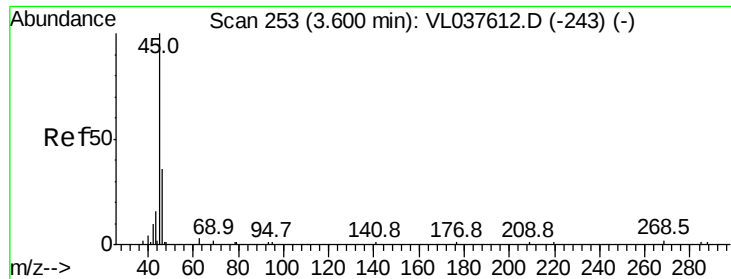
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.002 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Tgt Ion:101 Resp: 1687760
 Ion Ratio Lower Upper
 101 100
 151 79.7 63.5 95.3





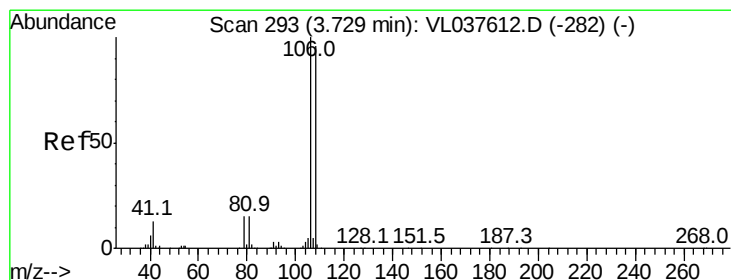
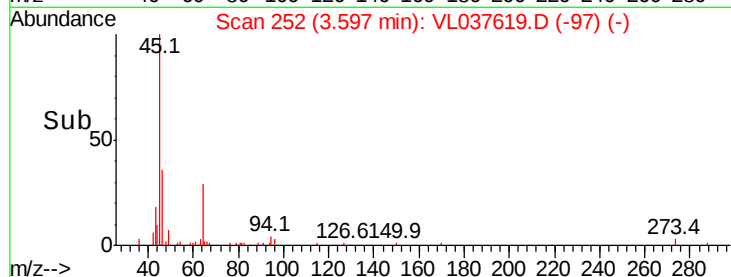
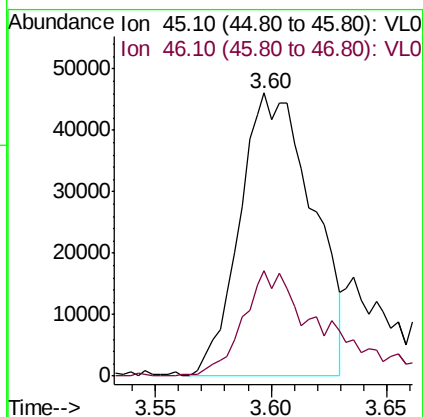
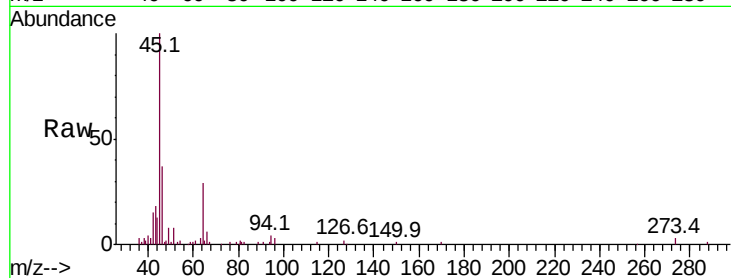
#13
Ethanol
Concen: 9.806 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion: 45 Resp: 100417
Ion Ratio Lower Upper
45 100
46 45.4 17.2 68.8

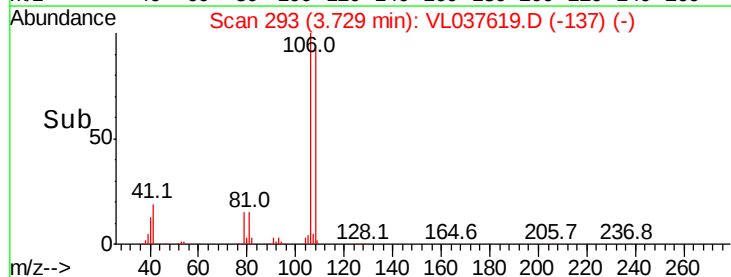
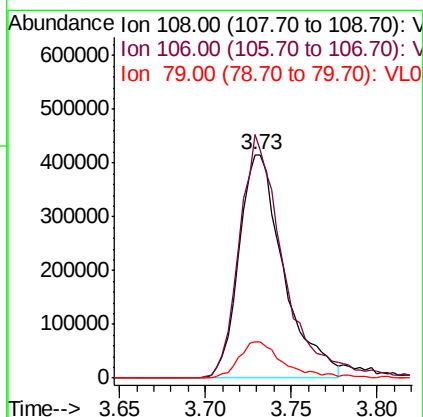
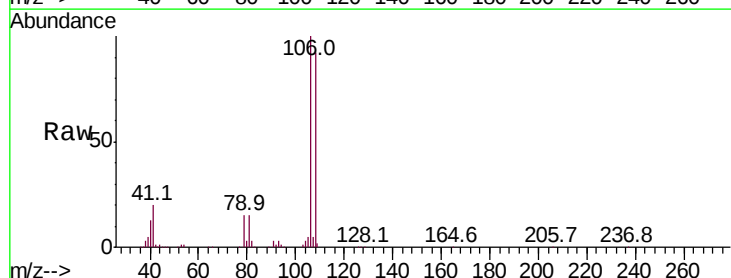
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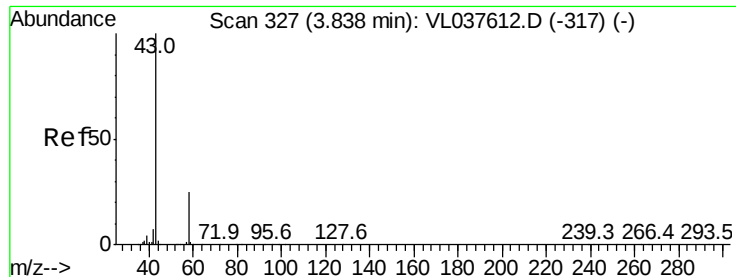
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#14
Bromoethene
Concen: 9.781 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion: 108 Resp: 751251
Ion Ratio Lower Upper
108 100
106 110.7 88.2 132.4
79 16.9 12.8 19.2





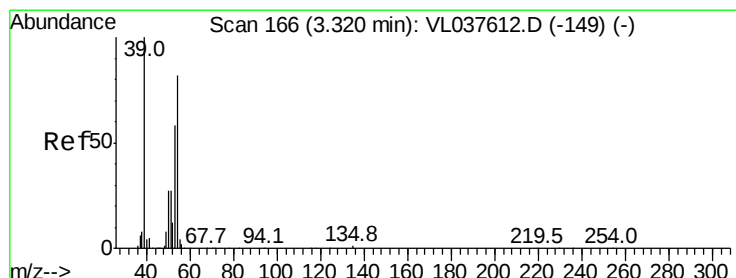
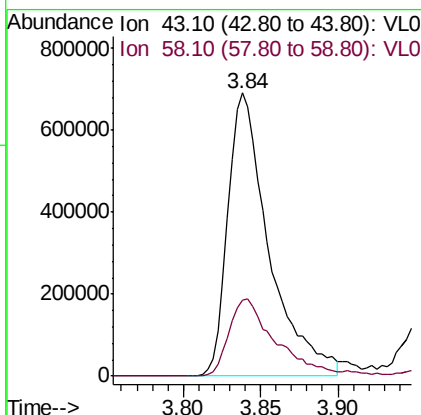
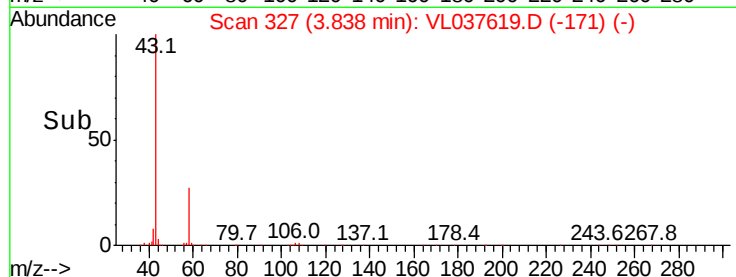
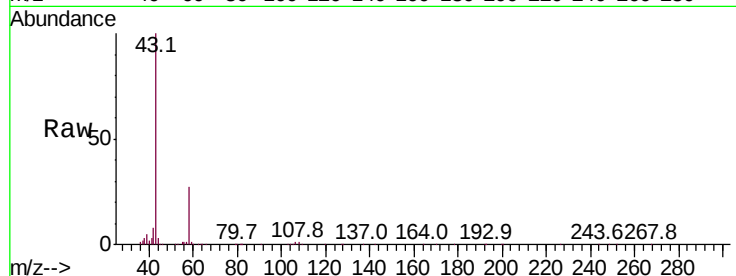
#15
Acetone
Concen: 7.795 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion: 43 Resp: 1274471
Ion Ratio Lower Upper
43 100
58 31.7 24.9 37.3

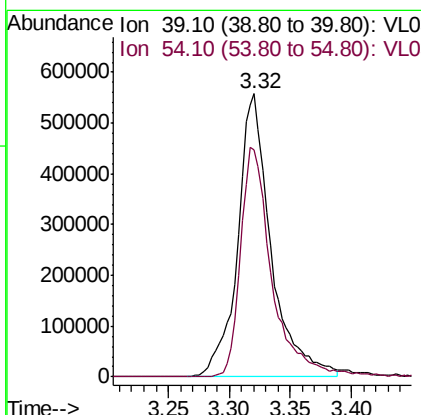
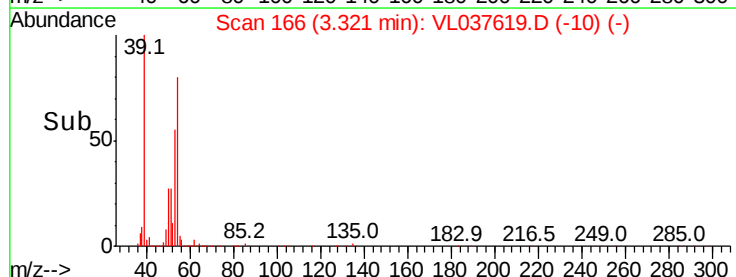
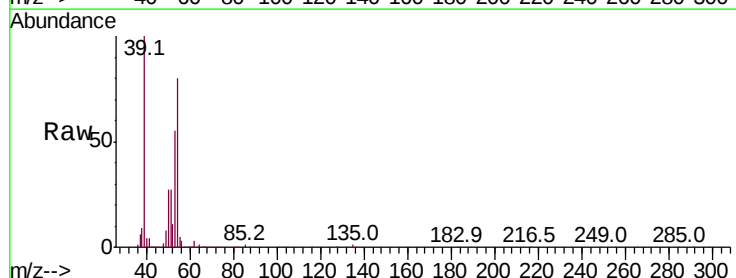
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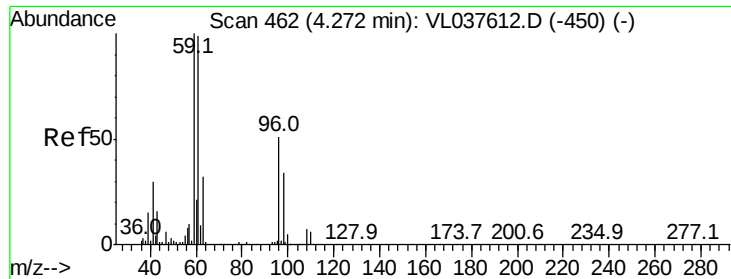
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#16
1,3-Butadiene
Concen: 10.335 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion: 39 Resp: 1055792
Ion Ratio Lower Upper
39 100
54 76.8 62.6 93.8





#17

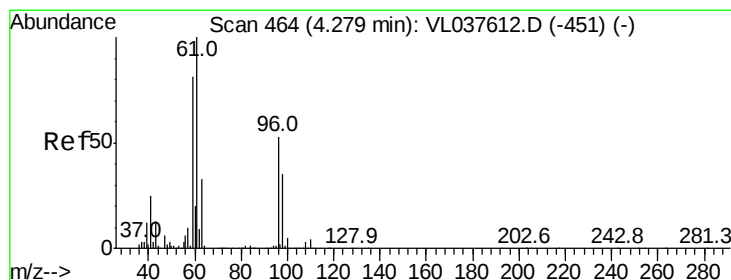
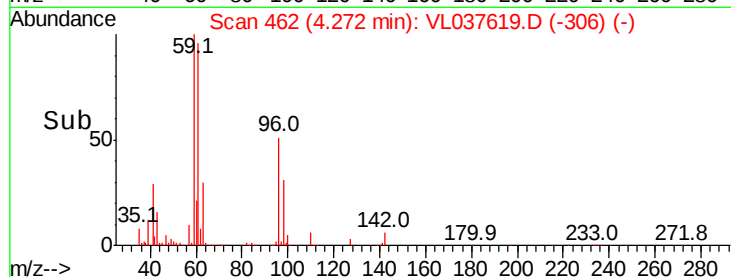
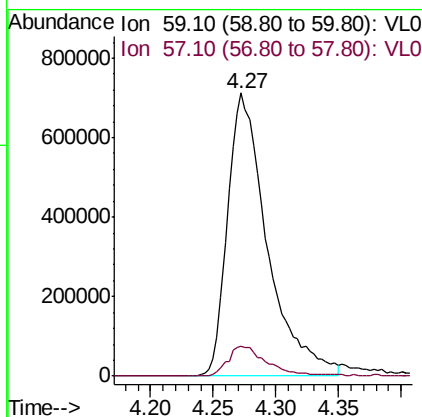
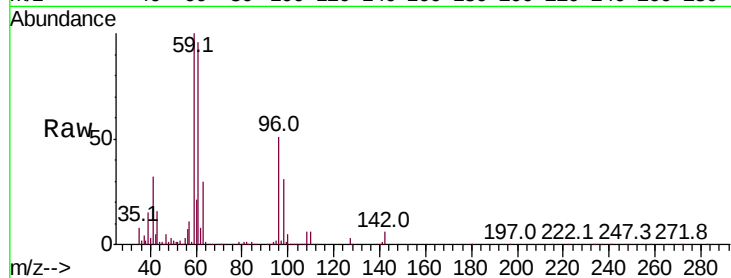
tert-Butyl alcohol
Concen: 11.341 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion: 59 Resp: 1572249
Ion Ratio Lower Upper
59 100
57 10.9 8.4 12.6

Manual Integrations
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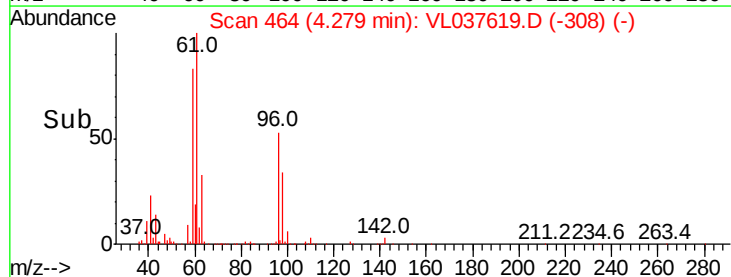
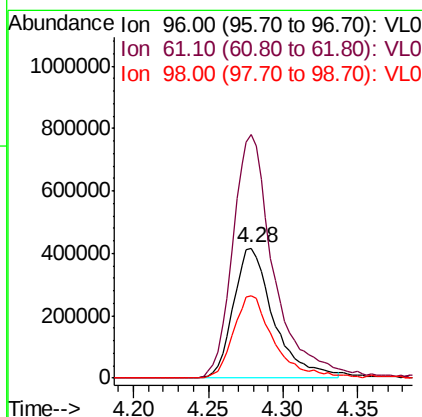
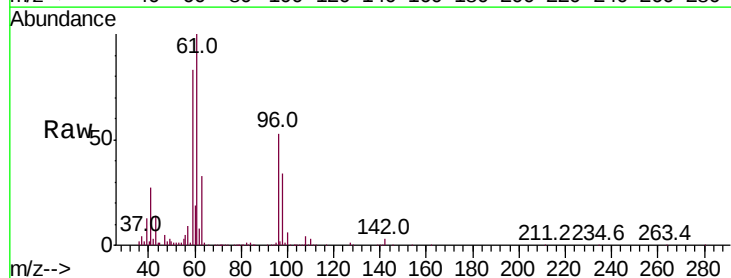
MMDadoda
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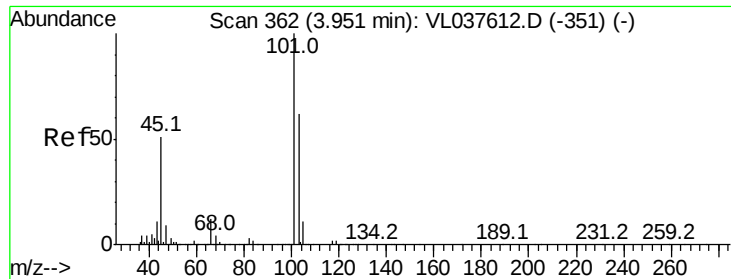


#18

1,1-Dichloroethene
Concen: 9.960 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion: 96 Resp: 782883
Ion Ratio Lower Upper
96 100
61 187.6 150.4 225.6
98 63.0 52.1 78.1





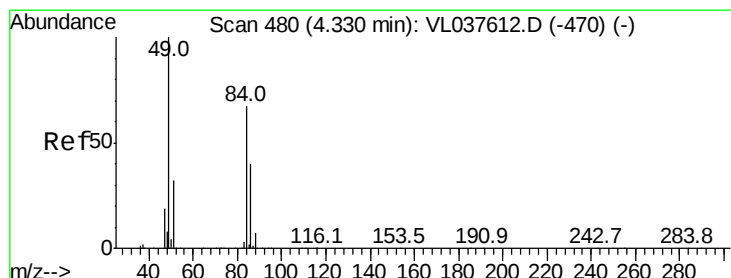
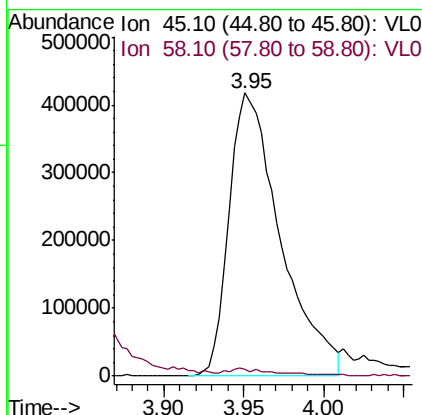
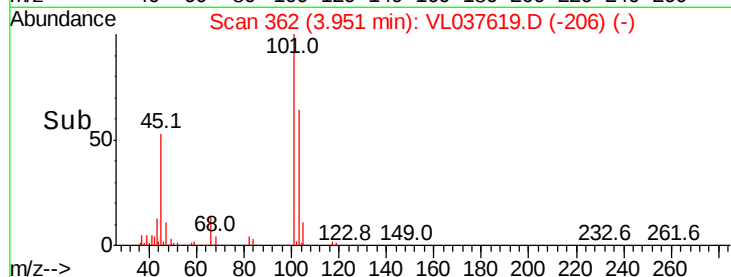
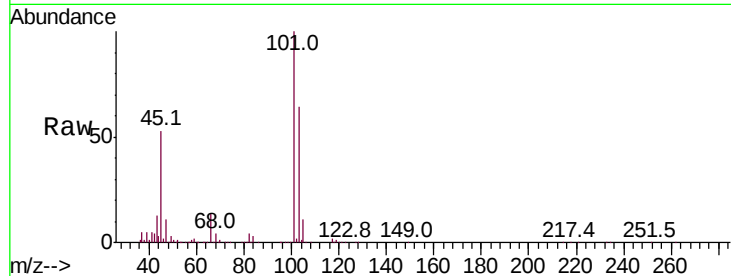
#19
Isopropyl Alcohol
Concen: 10.325 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion: 45 Resp: 918497
Ion Ratio Lower Upper
45 100
58 2.8 2.9 4.3#

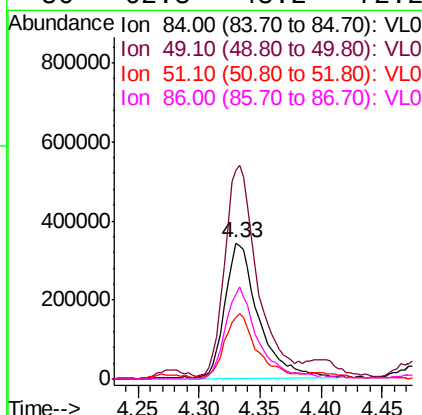
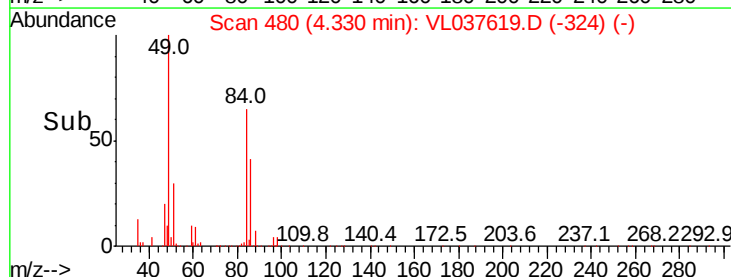
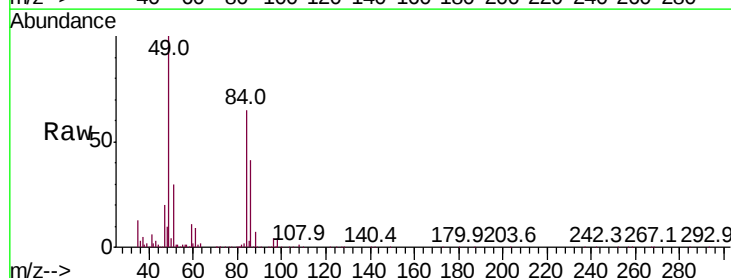
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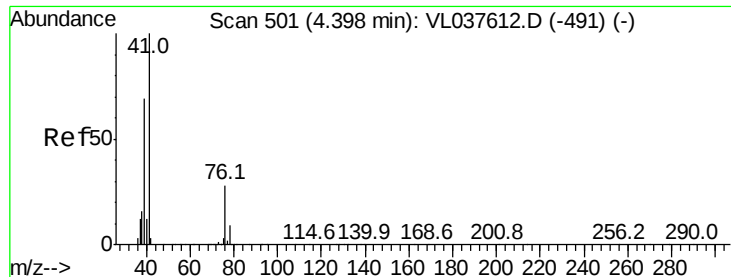
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#20
Methylene Chloride
Concen: 8.500 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion: 84 Resp: 663457
Ion Ratio Lower Upper
84 100
49 149.9 120.0 180.0
51 44.2 38.0 57.0
86 62.3 48.2 72.2





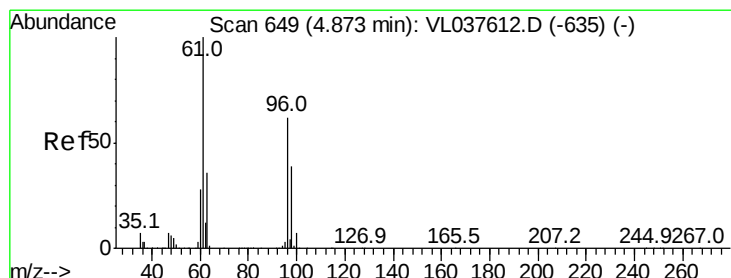
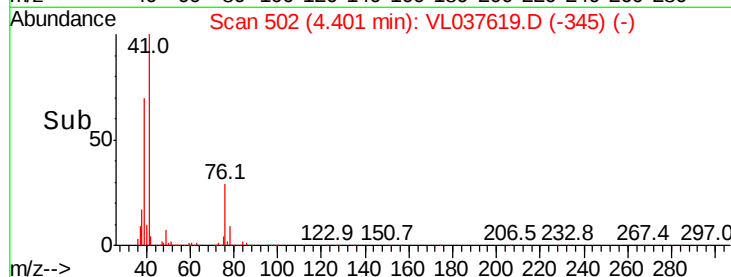
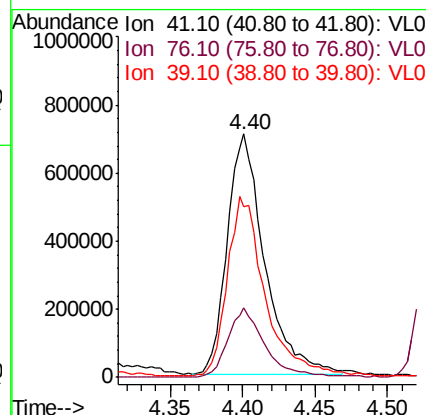
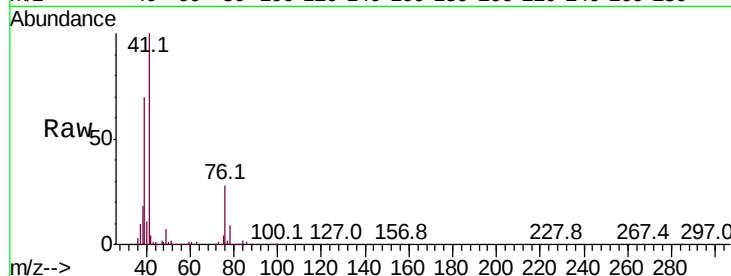
#21
Allvl Chloride
Concen: 10.340 ppbv
RT: 4.40 min Scan# 502
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion: 41 Resp: 1262880
Ion Ratio Lower Upper
41 100
76 28.9 23.1 34.7
39 75.7 61.0 91.6

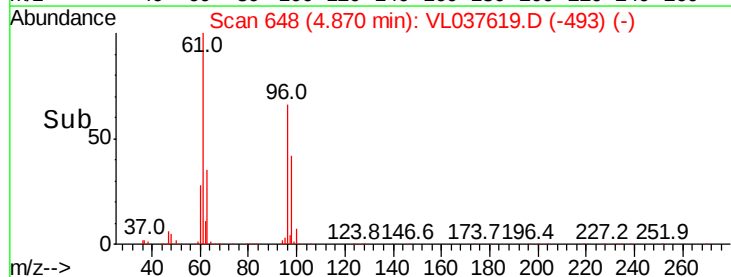
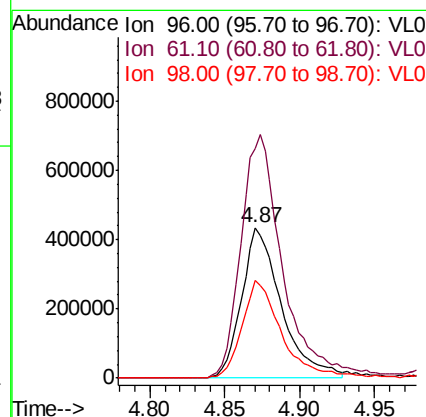
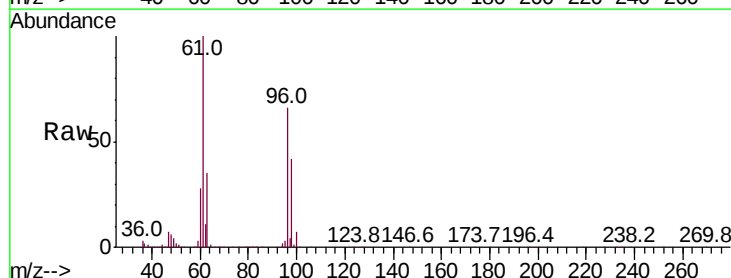
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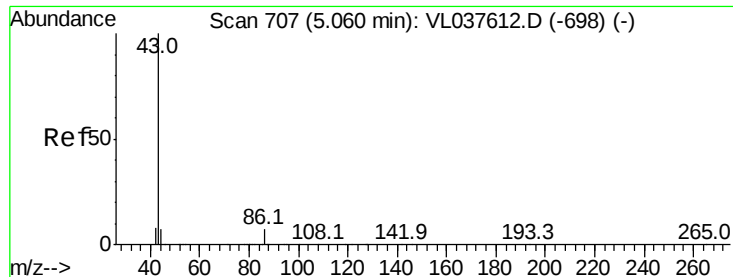
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#22
trans-1,2-Dichloroethene
Concen: 10.163 ppbv
RT: 4.87 min Scan# 648
Delta R.T. -0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion: 96 Resp: 803734
Ion Ratio Lower Upper
96 100
61 152.6 129.2 193.8
98 64.7 50.4 75.6





#23

Vinyl Acetate

Concen: 9.359 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 43 Resp: 2117386

Ion Ratio Lower Upper

43 100

86 6.0 5.0 7.6

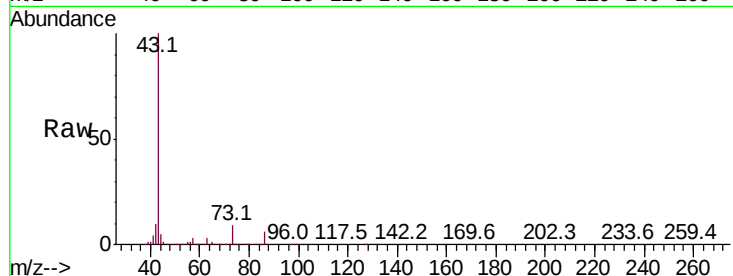
42 9.4 7.5 11.3

44 4.7 4.7 7.1#

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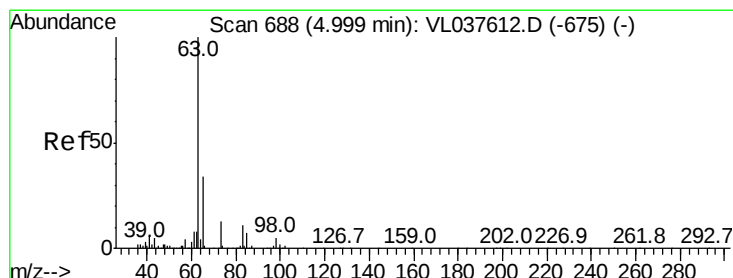
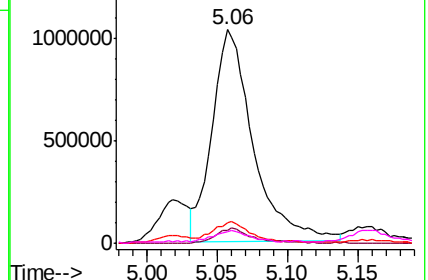
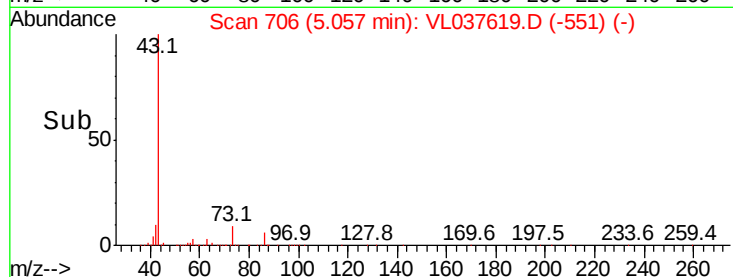


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.719 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

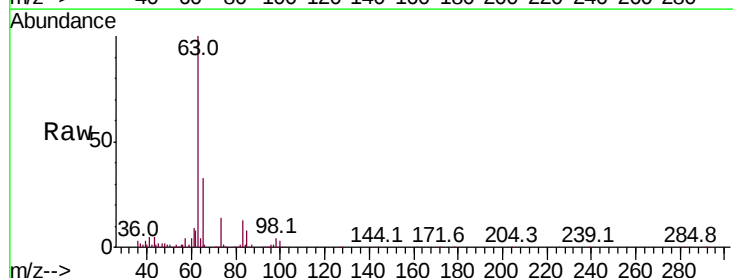
Tgt Ion: 63 Resp: 1575155

Ion Ratio Lower Upper

63 100

98 3.7 2.4 7.2

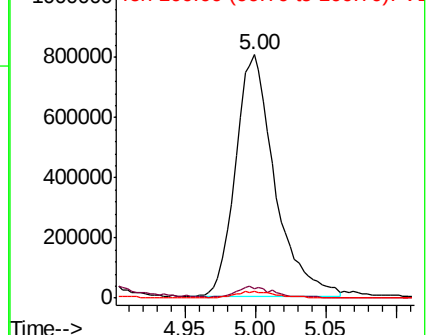
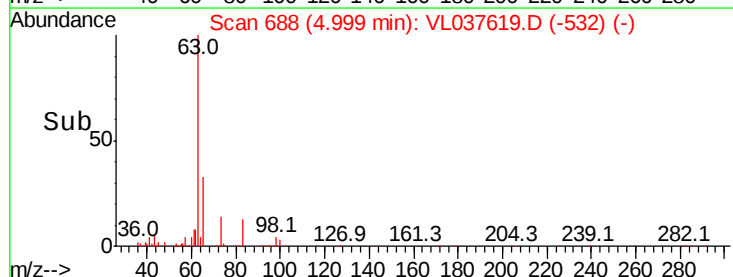
100 2.5 1.1 3.5

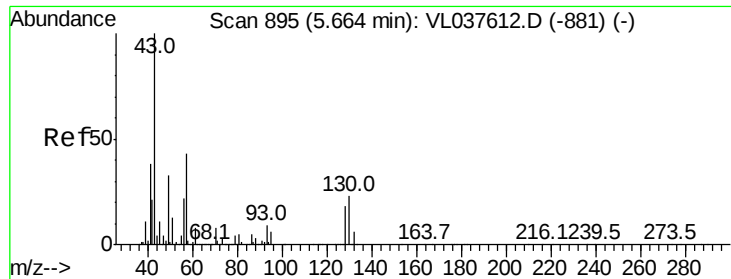


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.218 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 43 Resp: 4045857

Ion Ratio Lower Upper

43 100

45 9.9 8.0 12.0

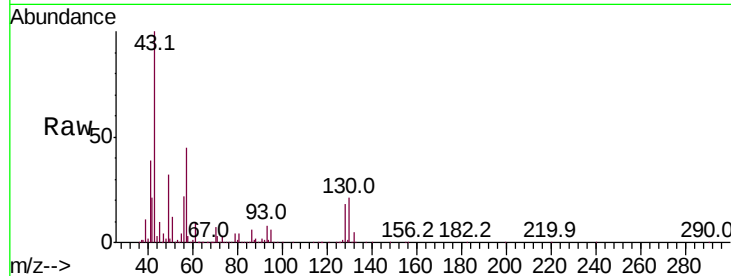
61 9.6 7.5 11.3

70 7.2 5.6 8.4

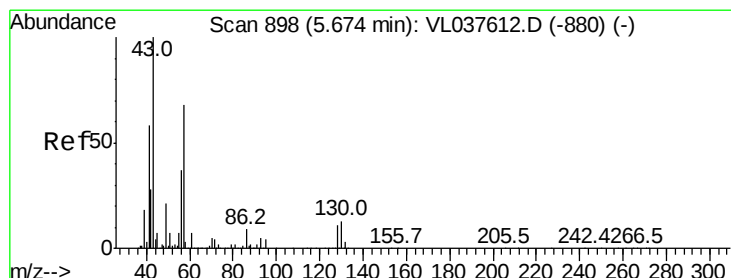
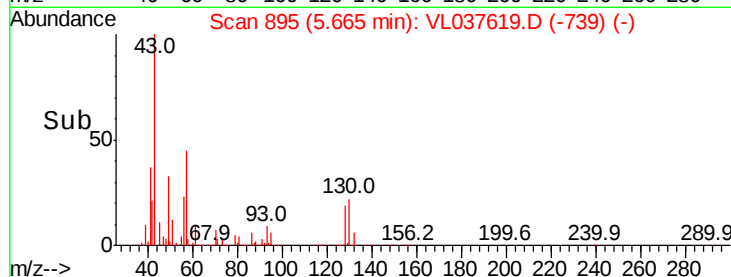
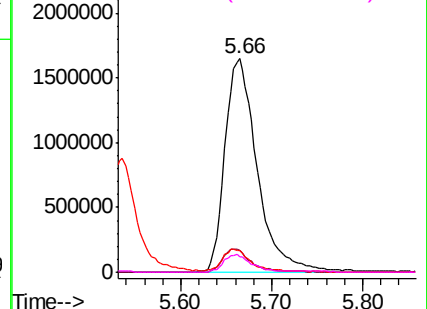
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.002 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Tgt Ion: 57 Resp: 1881280

Ion Ratio Lower Upper

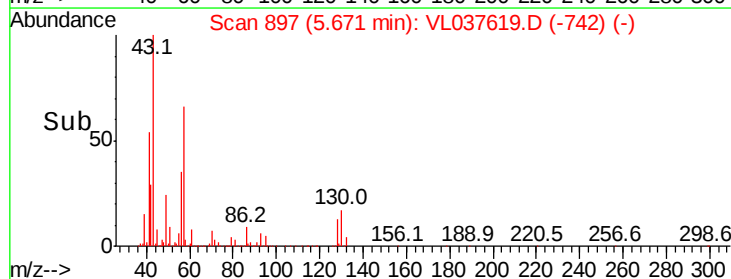
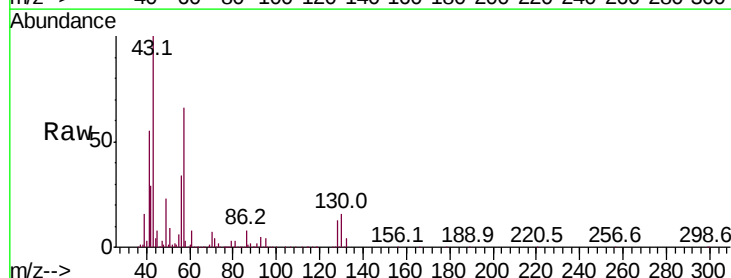
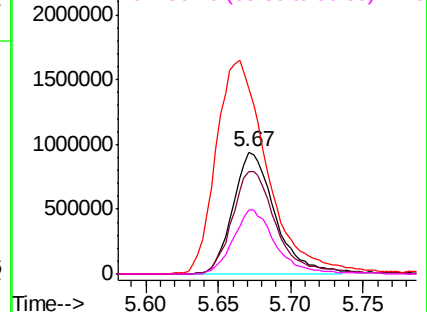
57 100

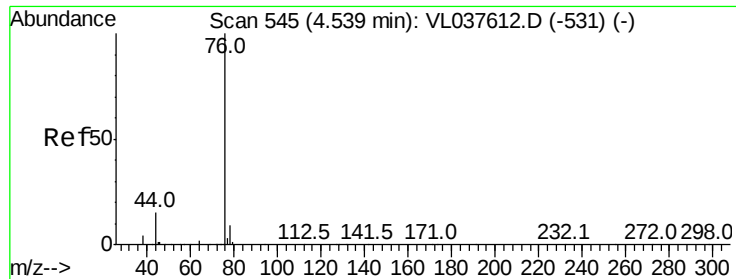
41 90.4 70.9 106.3

43 217.1 170.4 255.6

56 53.7 42.6 64.0

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.291 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

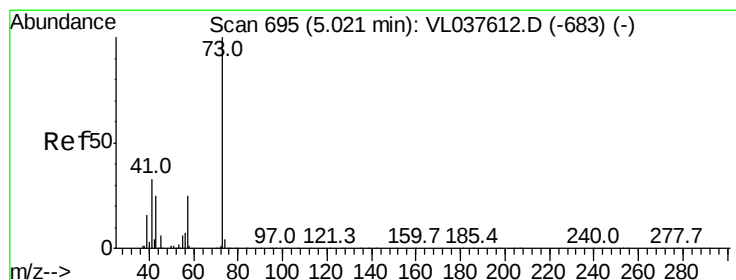
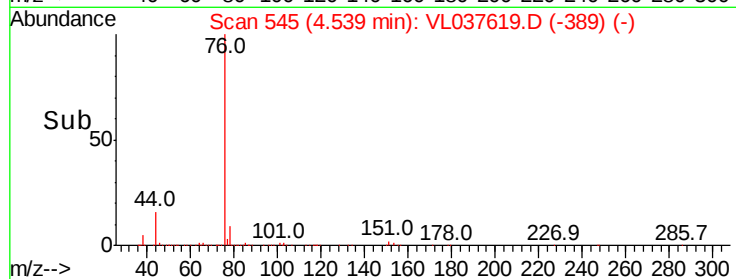
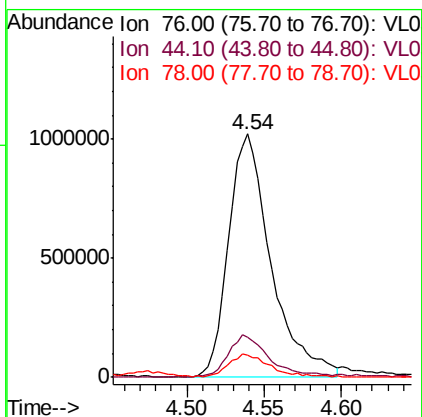
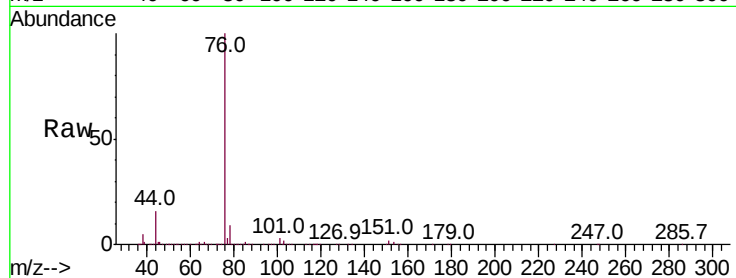
Instrument :
MSVOA_L

ClientSampleId :
VL0916ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	17.7	14.2	21.2
78	9.8	7.4	11.0

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#28

Methyl tert-Butyl Ether

Concen: 10.039 ppbv

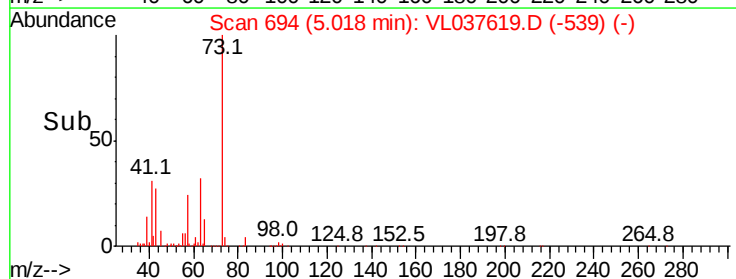
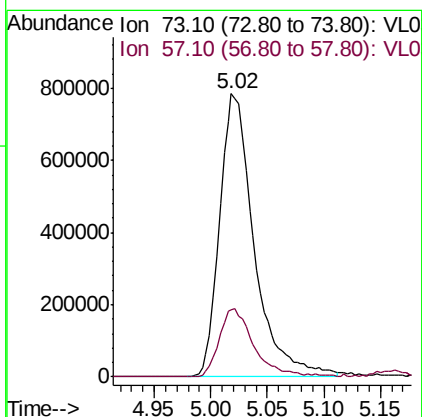
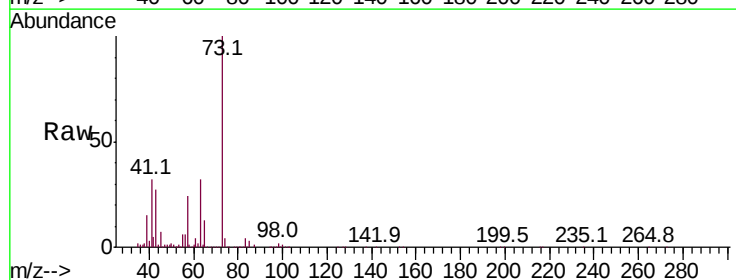
RT: 5.02 min Scan# 694

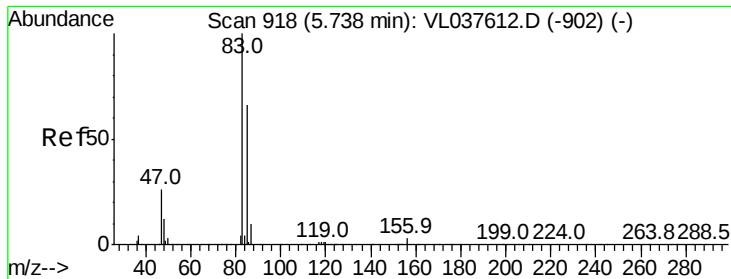
Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.2	20.1	30.1





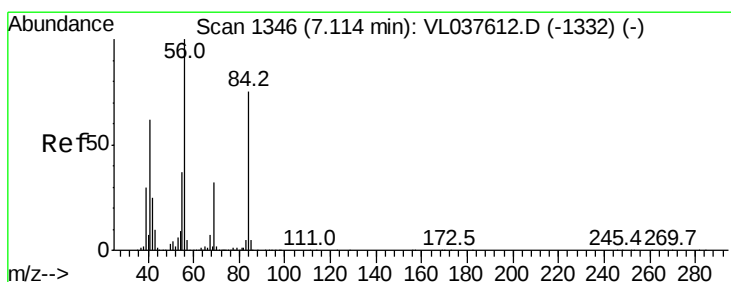
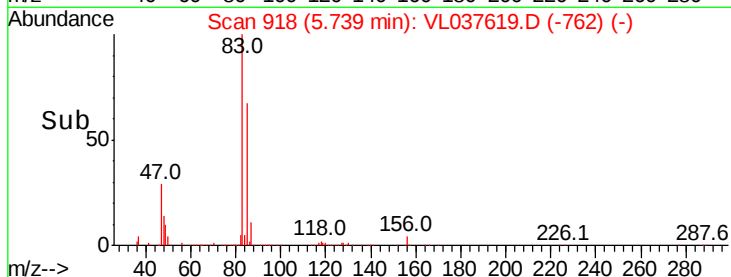
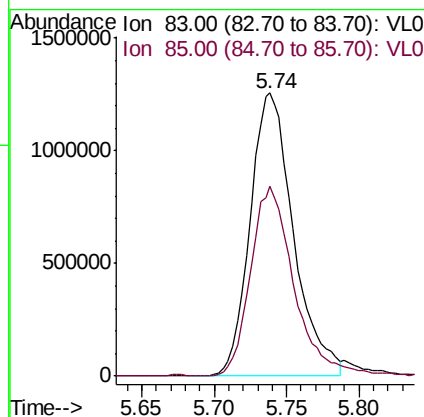
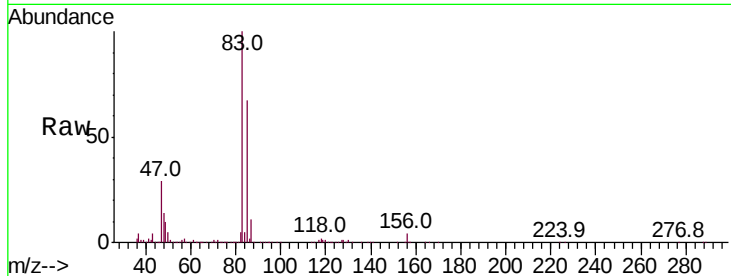
#29
Chloroform
Concen: 9.539 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion: 83 Resp: 2619824
Ion Ratio Lower Upper
83 100
85 66.8 52.6 79.0

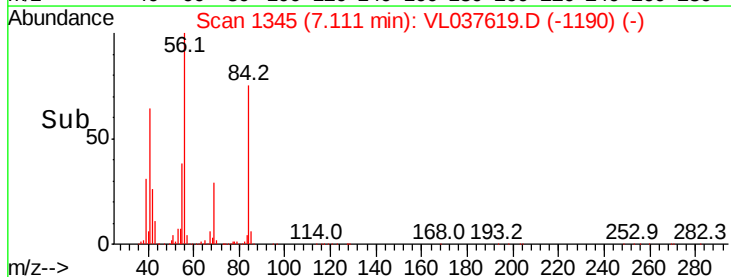
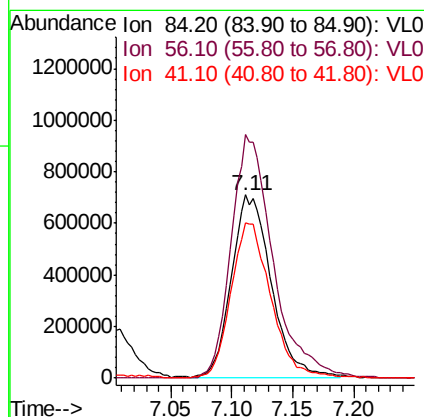
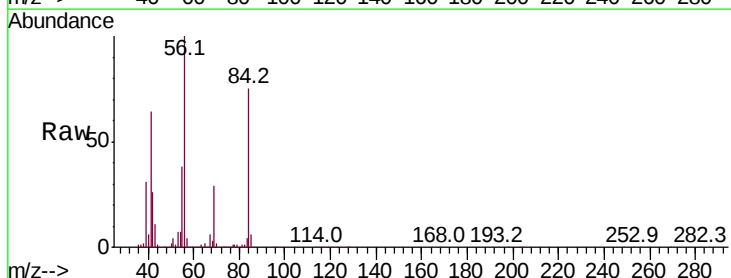
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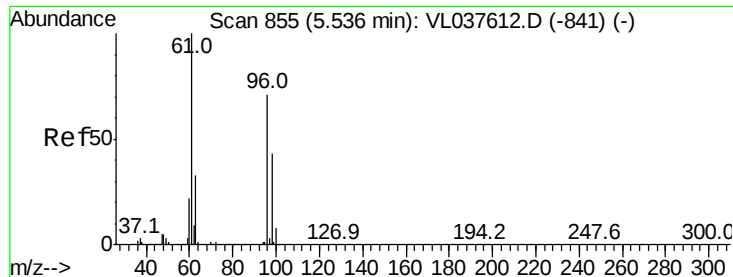
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#30
Cyclohexane
Concen: 9.878 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion: 84 Resp: 1589000
Ion Ratio Lower Upper
84 100
56 142.2 113.6 170.4
41 85.9 67.9 101.9





#31

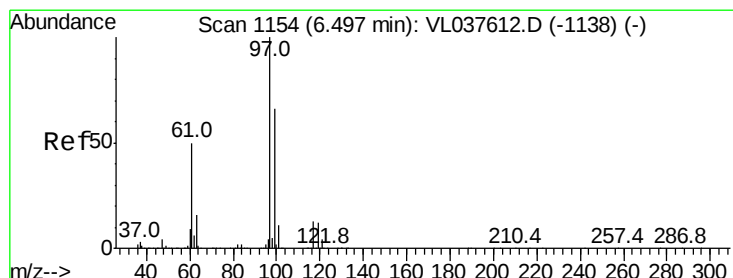
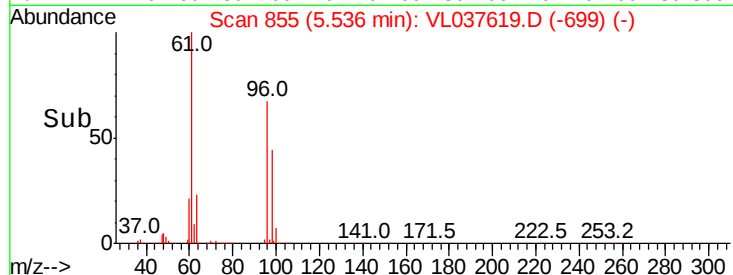
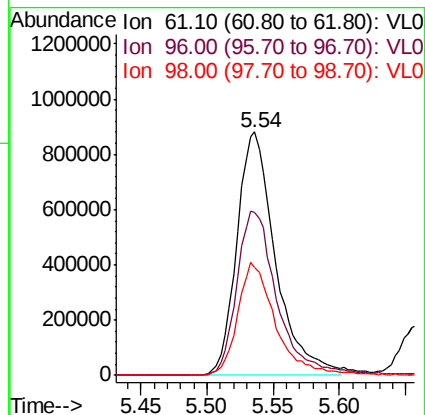
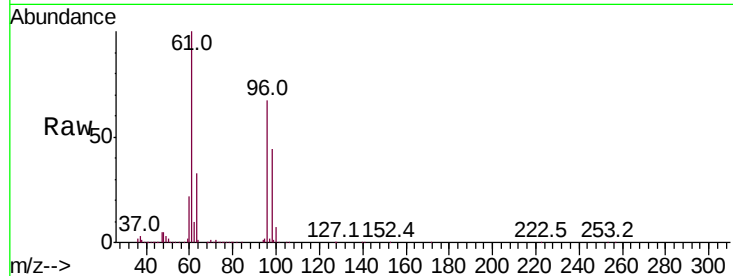
cis-1,2-Dichloroethene
Concen: 10.461 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.9	56.7	85.1
98	44.1	34.6	52.0

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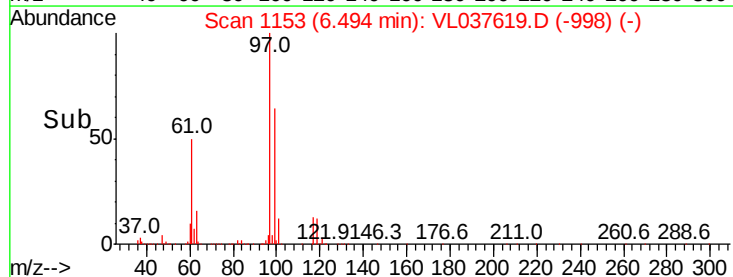
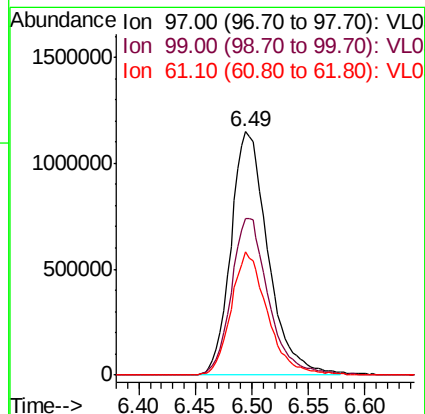
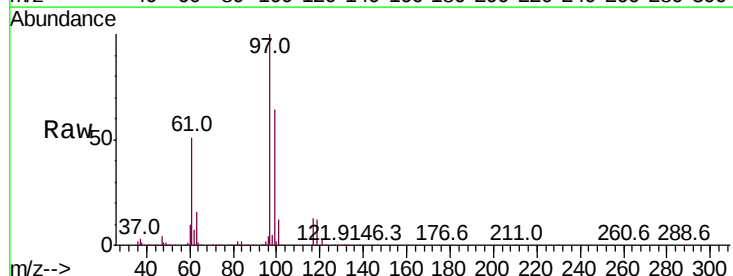
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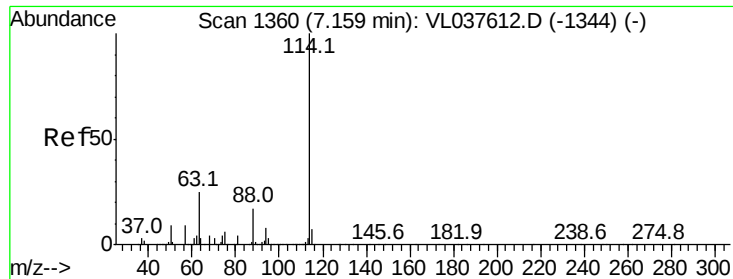


#32

1,1,1-Trichloroethane
Concen: 10.262 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.3	78.5
61	49.9	39.5	59.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

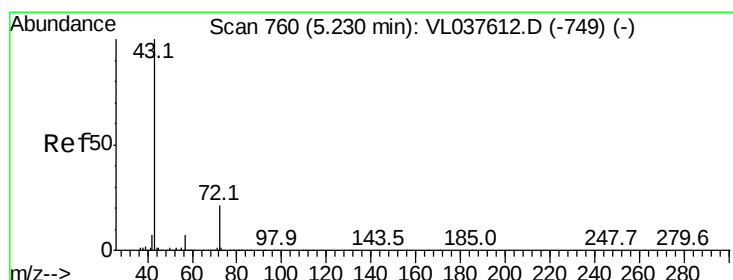
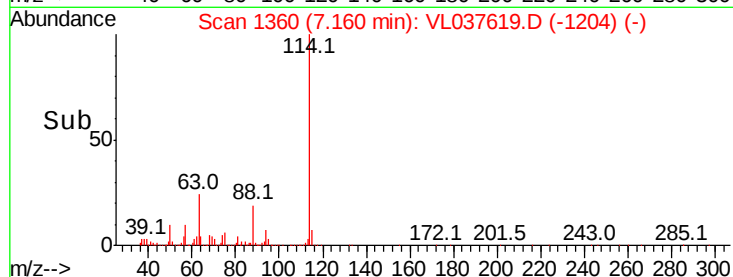
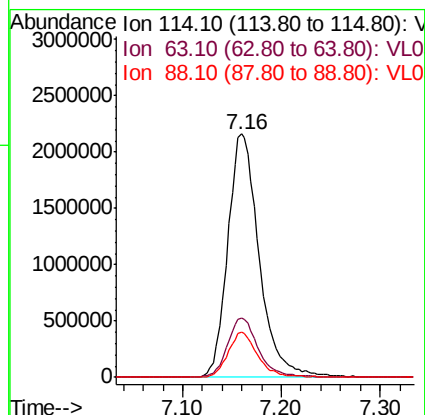
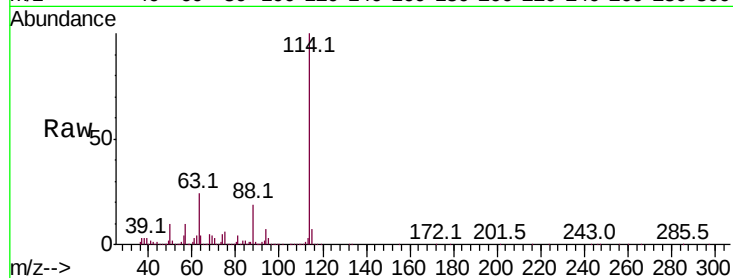
Instrument :
MSVOA_L

ClientSampleId :
VL0916ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.6	29.4
88	17.7	14.2	21.4

Manual Integrations
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#34

2-Butanone

Concen: 8.953 ppbv

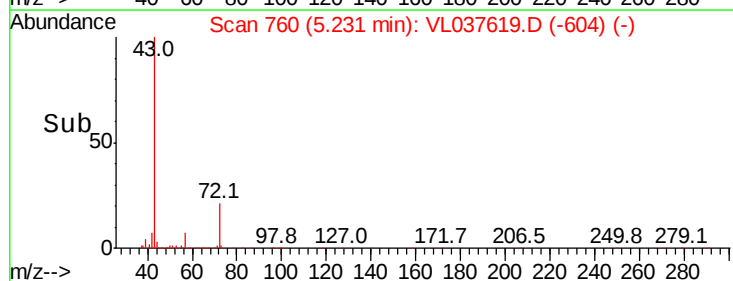
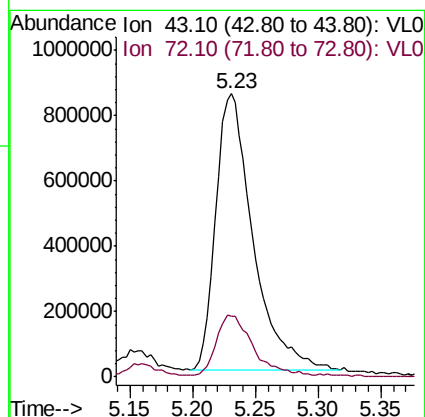
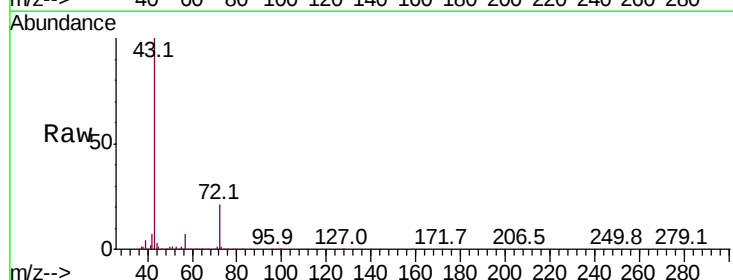
RT: 5.23 min Scan# 760

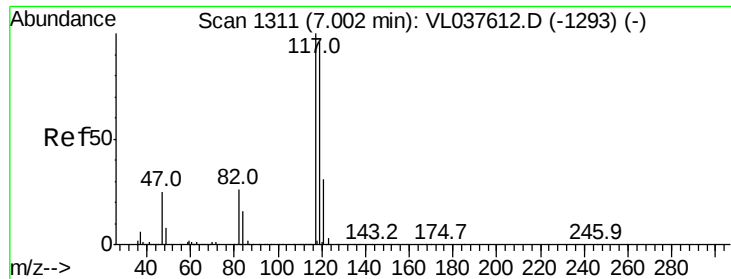
Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.4	27.6





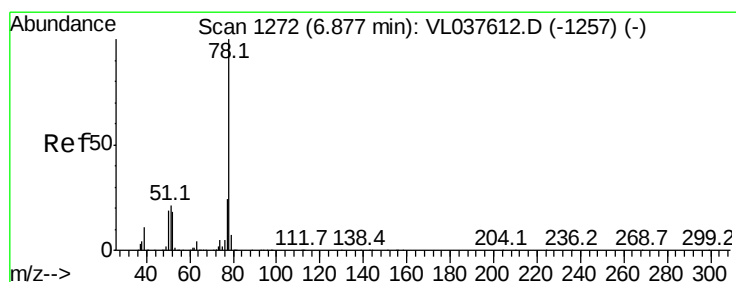
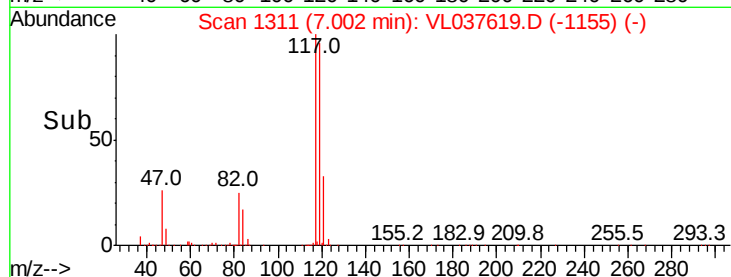
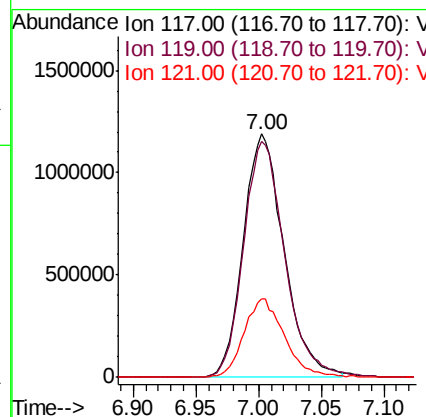
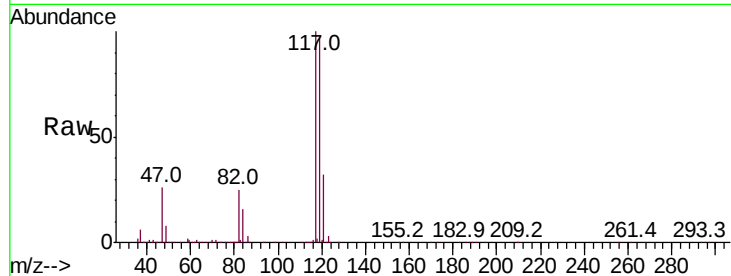
#35
Carbon Tetrachloride
Concen: 9.902 ppbv
RT: 7.00 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.0	115.6
121	32.2	24.5	36.7

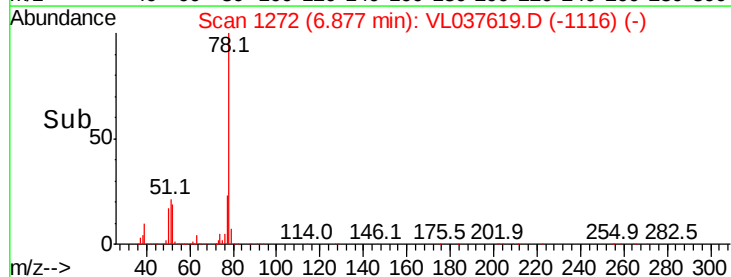
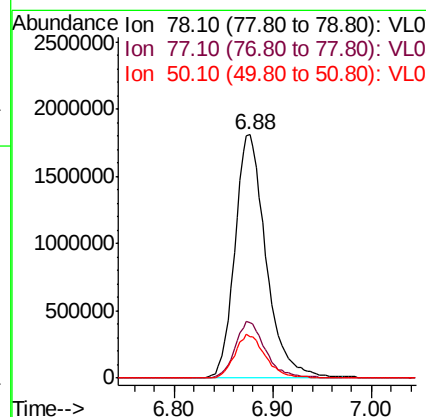
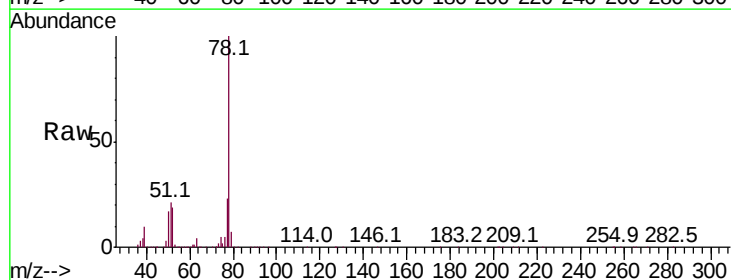
Manual Integrations
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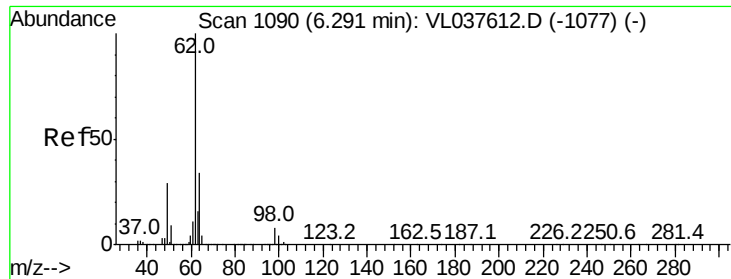
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#36
Benzene
Concen: 9.941 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.0	28.4
50	17.0	14.8	22.2





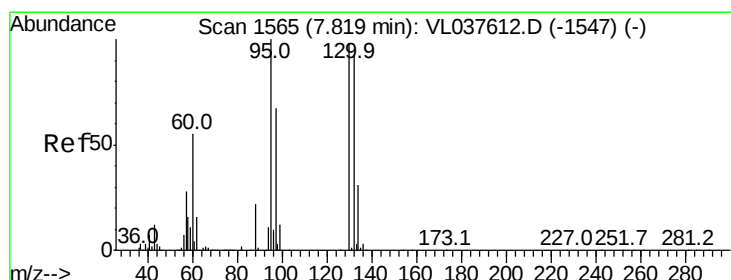
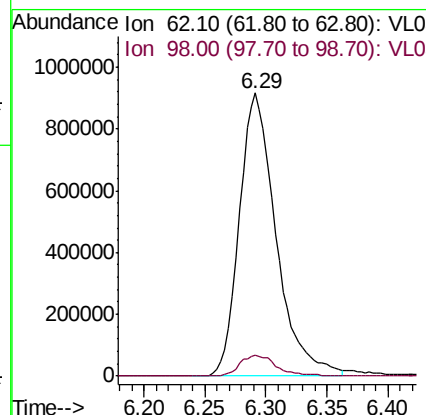
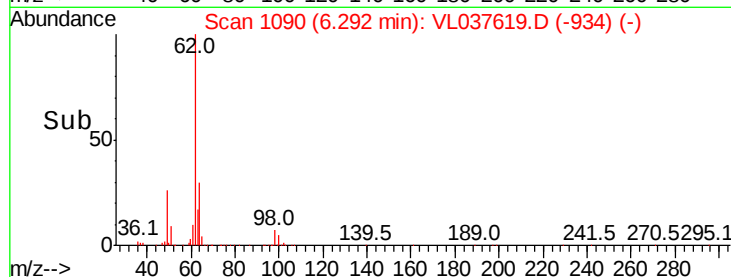
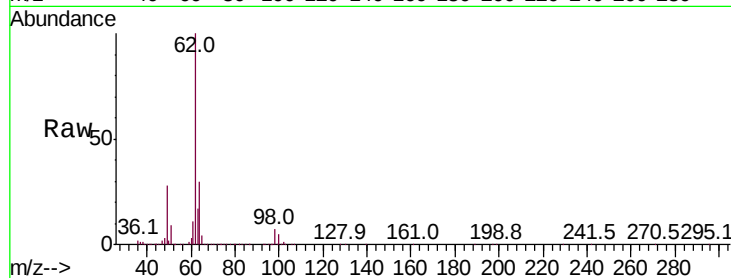
#37
 1,2-Dichloroethane
 Concen: 9.704 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion: 62 Resp: 1911997
 Ion Ratio Lower Upper
 62 100
 98 7.5 6.1 9.1

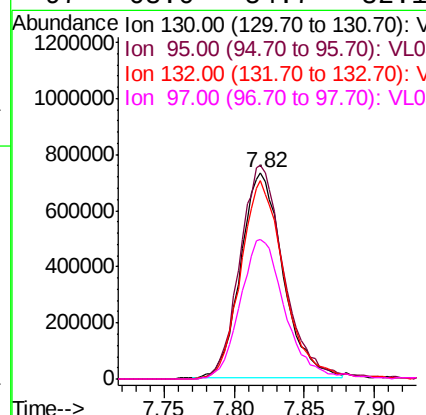
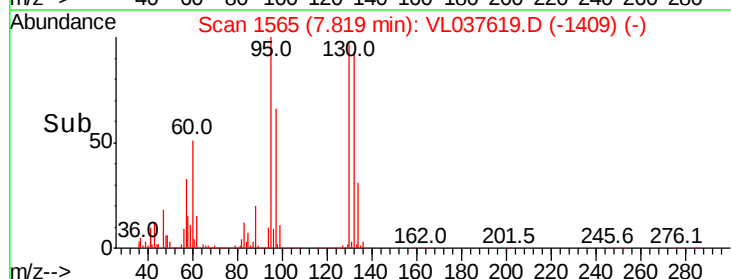
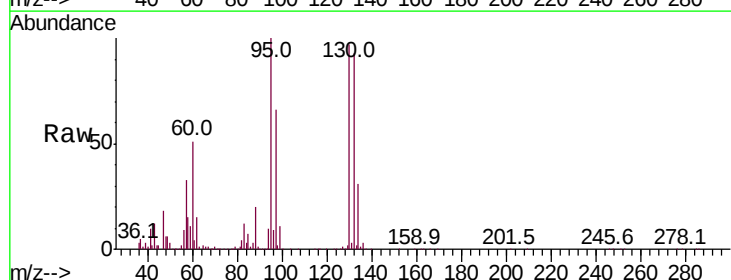
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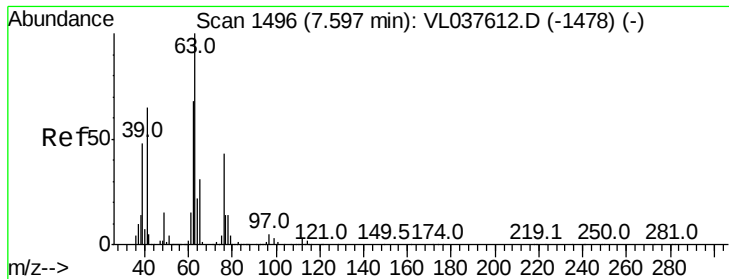
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#38
 Trichloroethene
 Concen: 9.246 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Tgt Ion: 130 Resp: 1547210
 Ion Ratio Lower Upper
 130 100
 95 103.6 81.8 122.6
 132 96.4 75.3 112.9
 97 68.0 54.7 82.1





#39

1,2-Dichloropropane

Concen: 9.707 ppbv

RT: 7.60 min Scan# 1497

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 63 Resp: 1489498

Ion Ratio Lower Upper

63 100

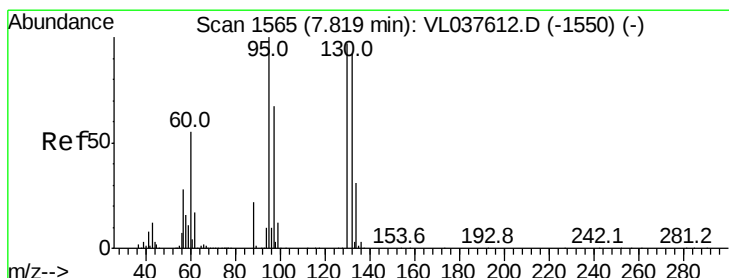
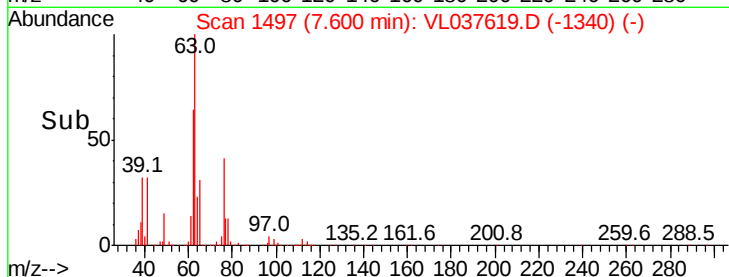
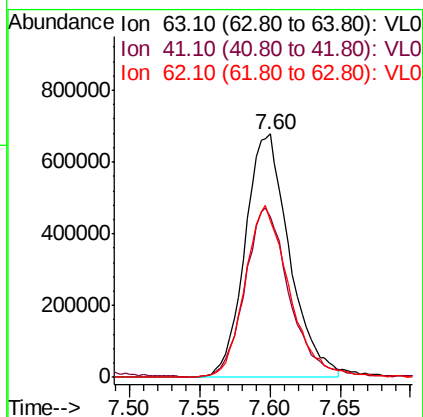
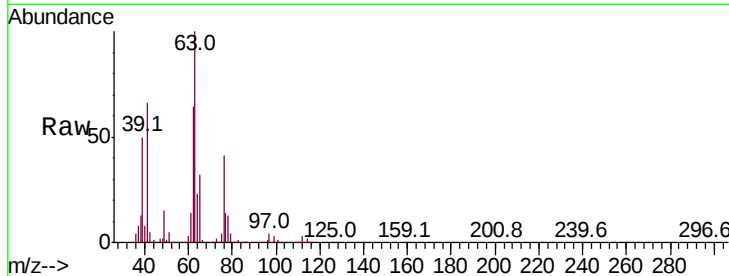
41 65.4 51.6 77.4

62 64.1 54.6 81.8

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.458 ppbv m

RT: 7.81 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Tgt Ion: 88 Resp: 390315

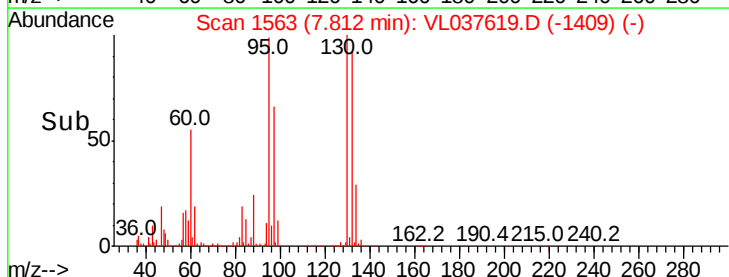
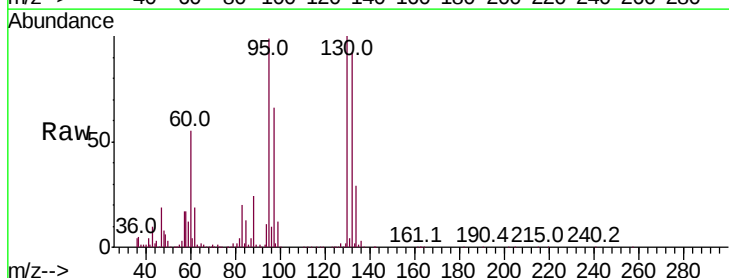
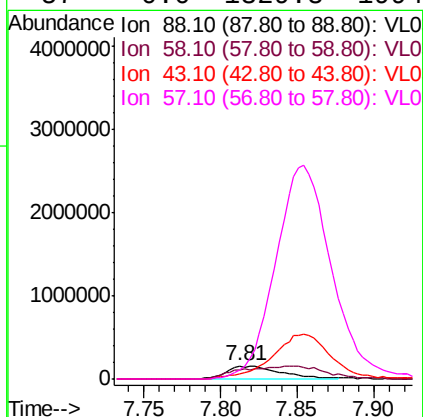
Ion Ratio Lower Upper

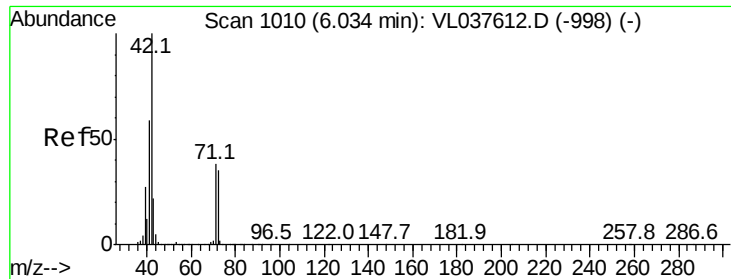
88 100

58 0.0 122.4 183.6#

43 0.0 297.4 446.0#

57 0.0 1329.8 1994.8#





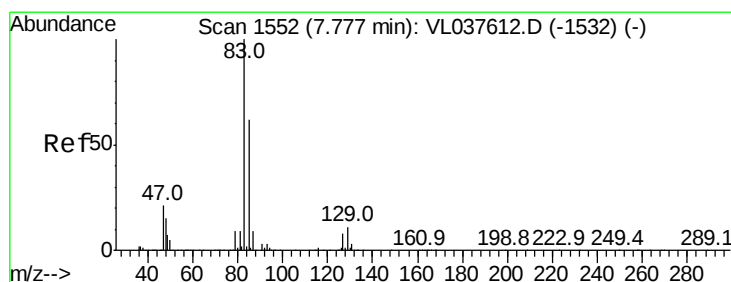
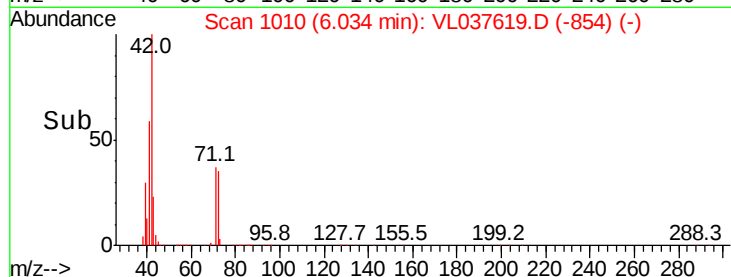
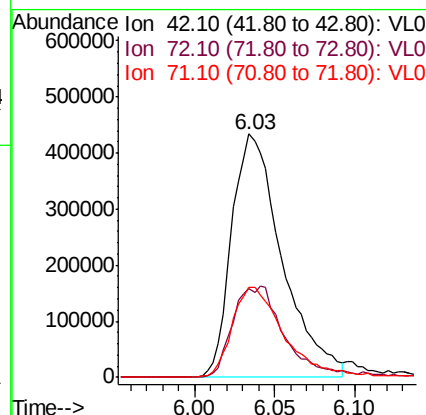
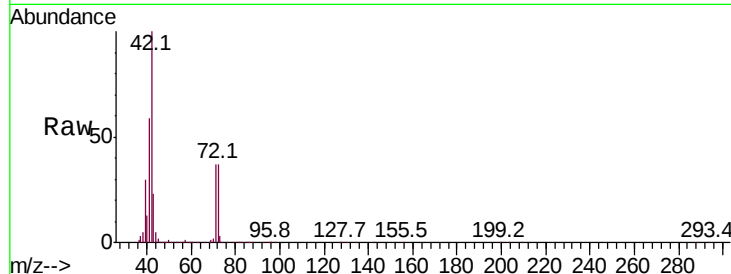
#41
Tetrahydrofuran
Concen: 10.169 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	31.4	47.2
71	39.2	30.6	46.0

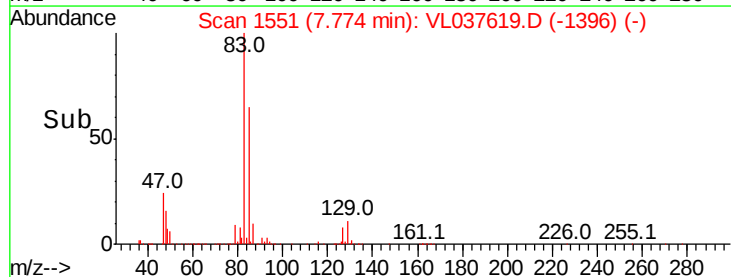
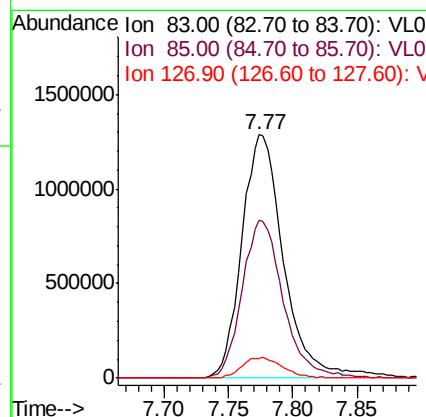
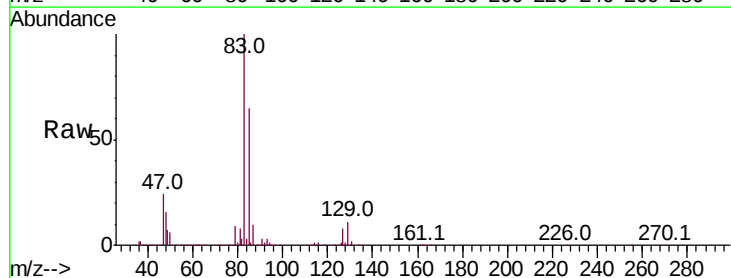
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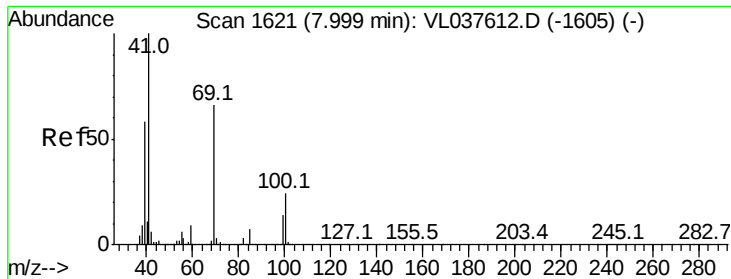
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#42
Bromodichloromethane
Concen: 10.119 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.8	74.6
127	8.3	6.4	9.6





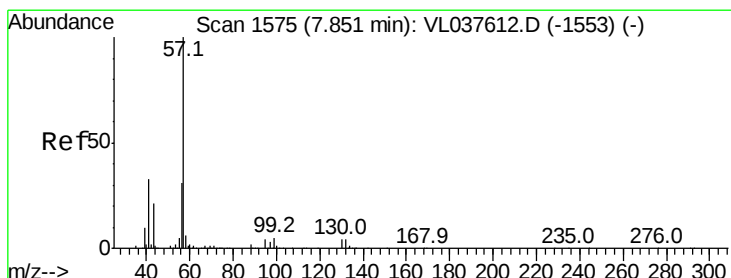
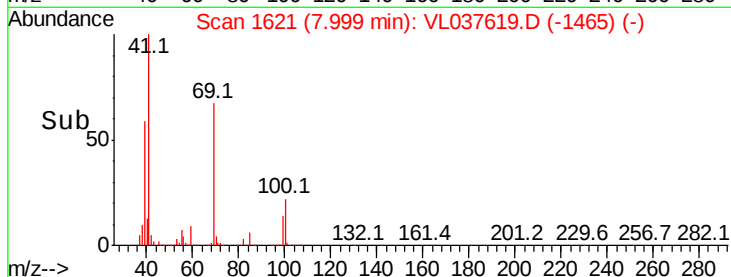
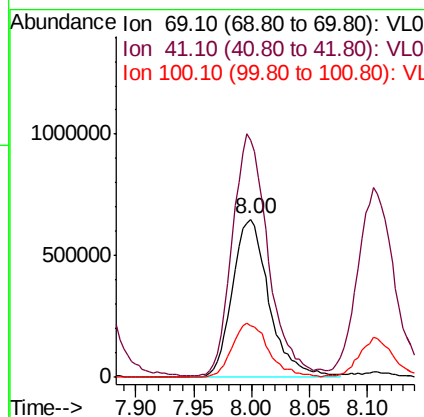
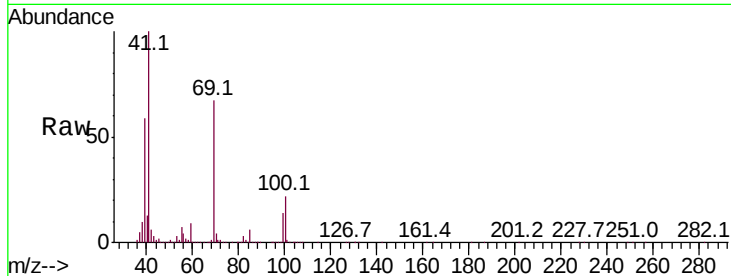
#43
Methvl Methacrylate
Concen: 10.700 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	151.8	119.0	178.4
100	33.9	27.6	41.4

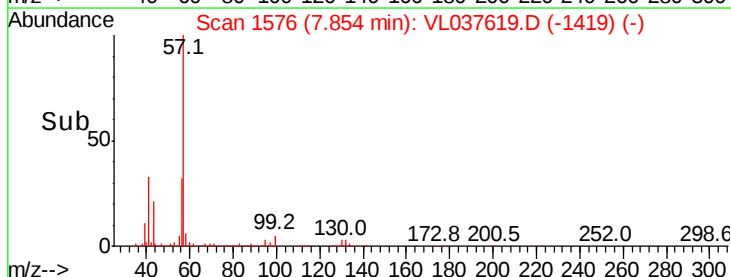
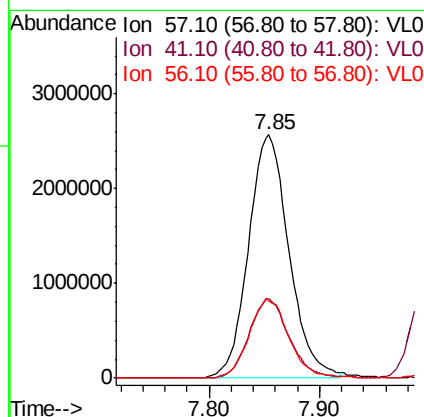
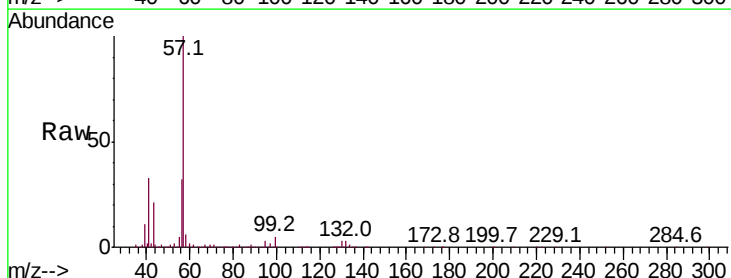
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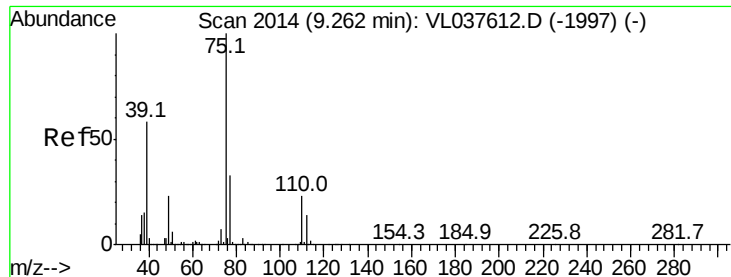
MMDadoda
9/20/2021 5:27:05 PM



#44
2,2,4-Trimethylpentane
Concen: 9.700 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.5	26.1	39.1
56	32.1	25.7	38.5





#45

t-1,3-Dichloropropene

Concen: 11.485 ppbv

RT: 9.26 min Scan# 2014

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 75 Resp: 1202285

Ion Ratio Lower Upper

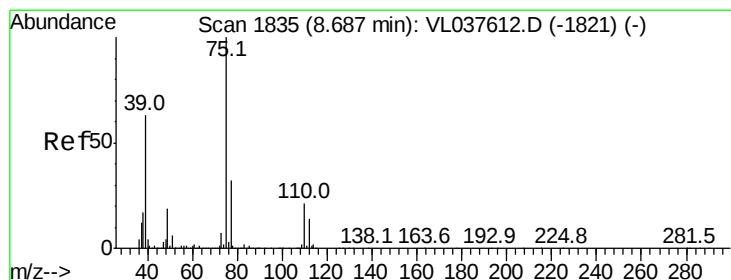
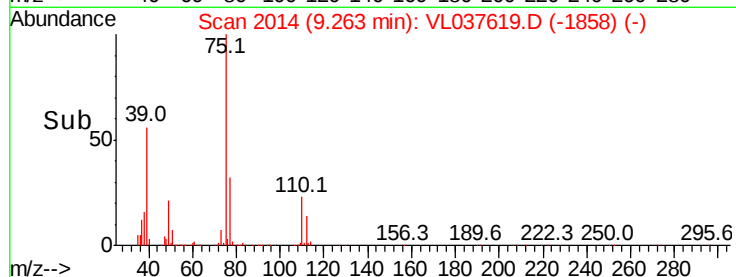
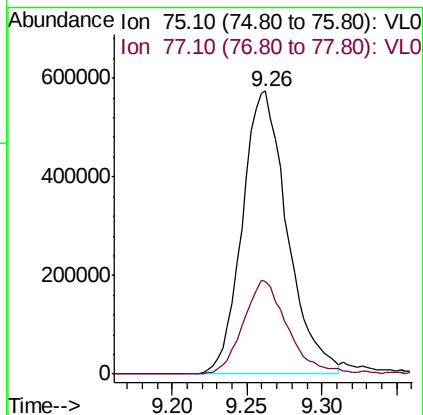
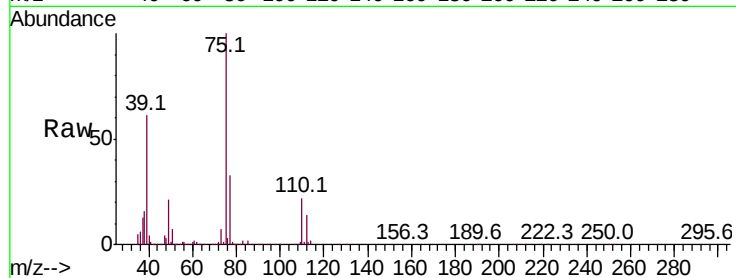
75 100

77 32.5 26.3 39.5

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#46

cis-1,3-Dichloropropene

Concen: 11.551 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

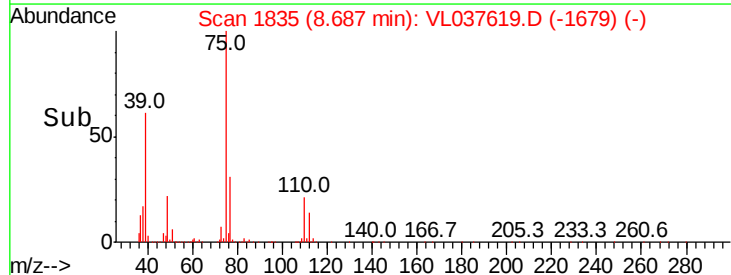
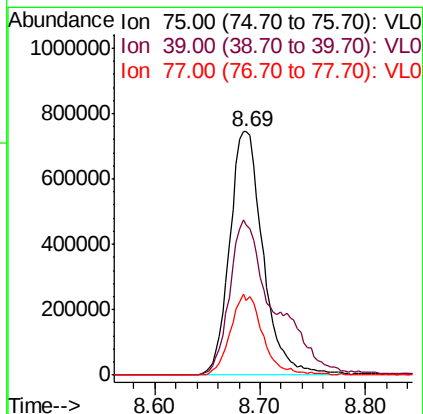
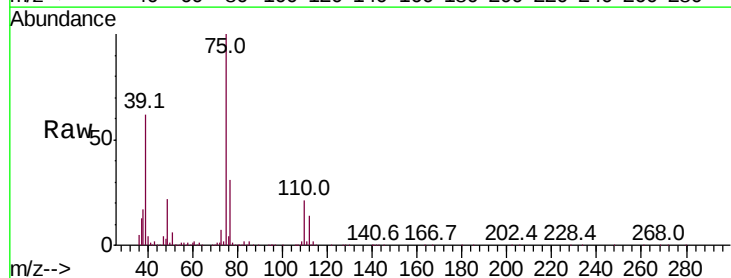
Tgt Ion: 75 Resp: 1633325

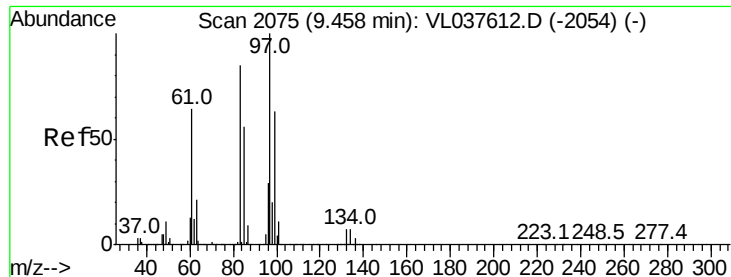
Ion Ratio Lower Upper

75 100

39 61.6 50.2 75.4

77 30.7 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 9.307 ppbv

RT: 9.46 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampled :

VL0916ABS01

Tot Ion: 97 Resp: 1579746

Ion Ratio Lower Upper

97 100

83 89.6 67.9 101.9

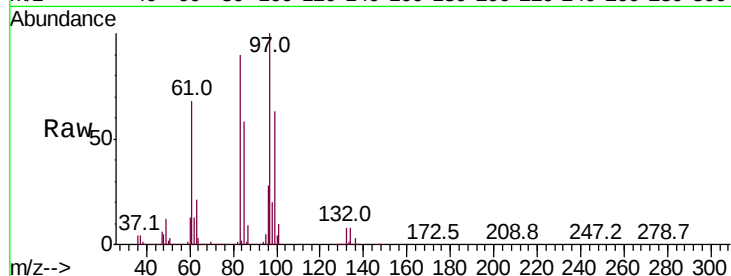
85 58.3 44.8 67.2

99 63.2 50.1 75.1

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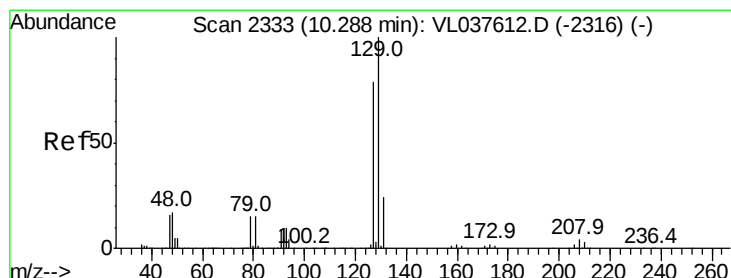
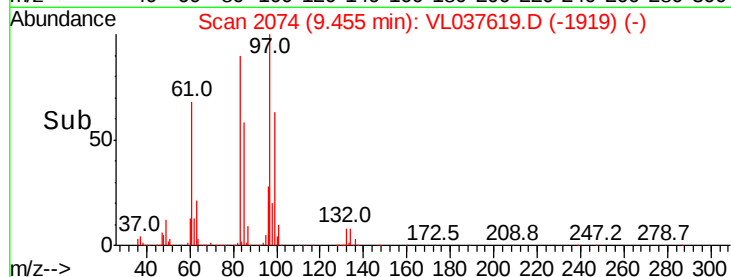
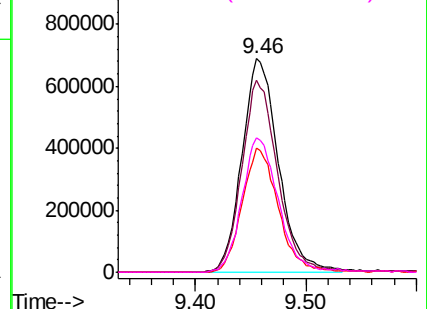
Abundance

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: 10.255 ppbv

RT: 10.28 min Scan# 2332

Delta R.T. -0.00 min

Lab File: VL037619.D

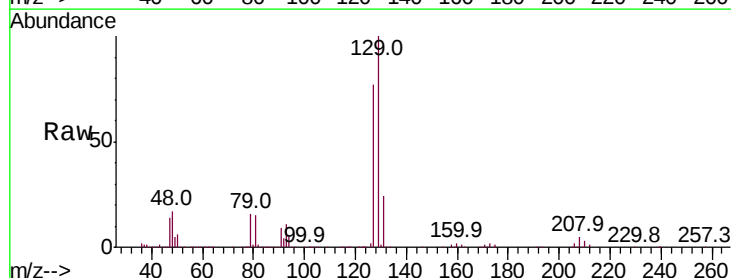
Acq: 16 Sep 2021 16:53

Tgt Ion: 129 Resp: 2428173

Ion Ratio Lower Upper

129 100

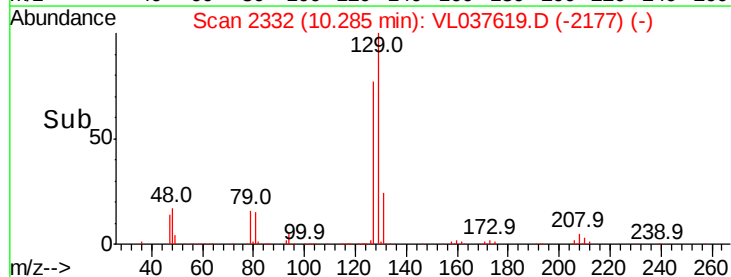
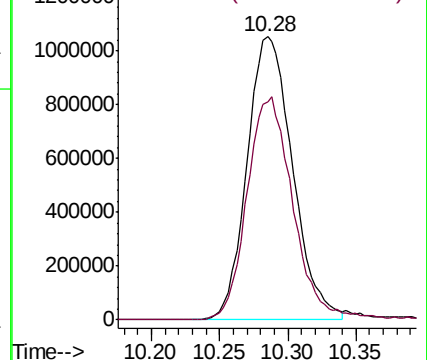
127 80.5 39.3 117.8

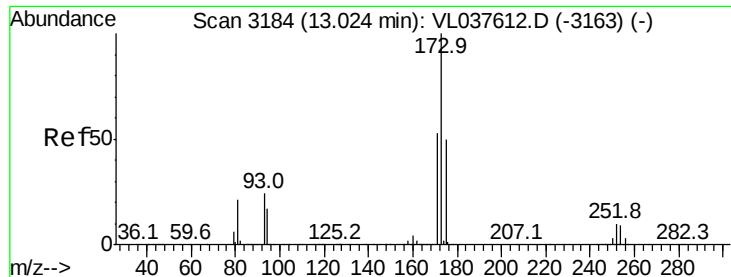


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.880 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion:173 Resp: 1872342

Ion Ratio Lower Upper

173 100

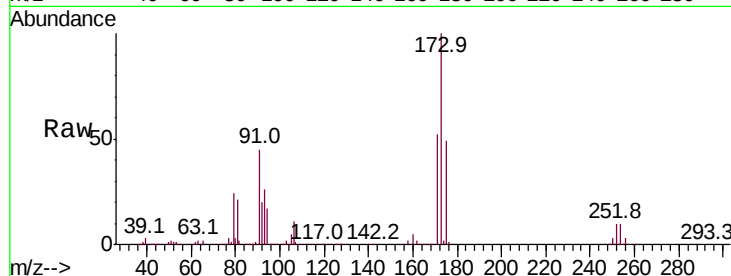
175 50.5 39.8 59.8

171 53.7 42.2 63.4

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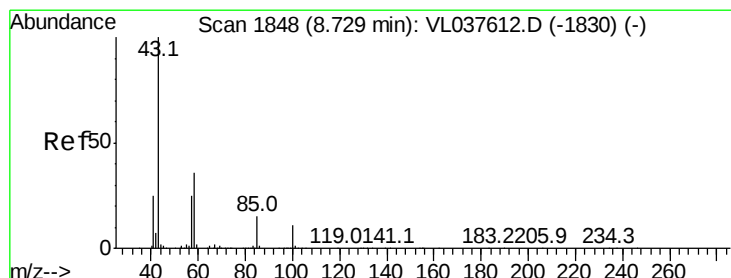
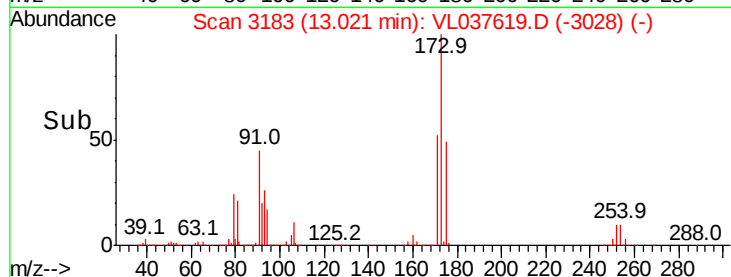
Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

13.02

Time-->



#50

4-Methyl-2-Pentanone

Concen: 10.252 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VL037619.D

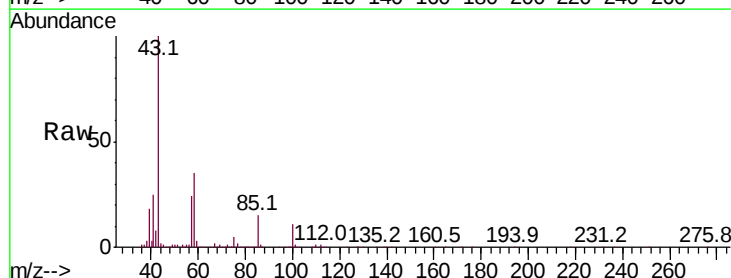
Acq: 16 Sep 2021 16:53

Tgt Ion: 43 Resp: 2540483

Ion Ratio Lower Upper

43 100

58 36.7 29.4 44.2

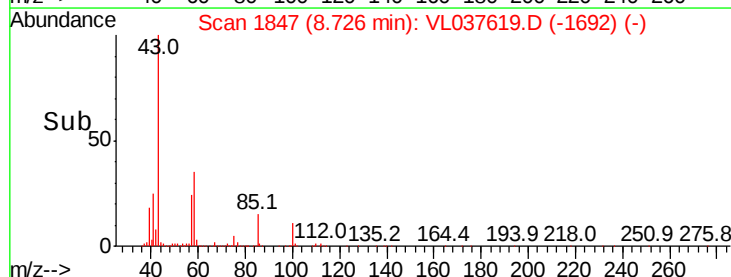


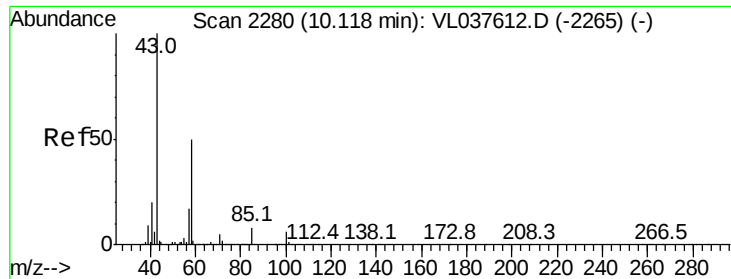
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

8.73

Time-->





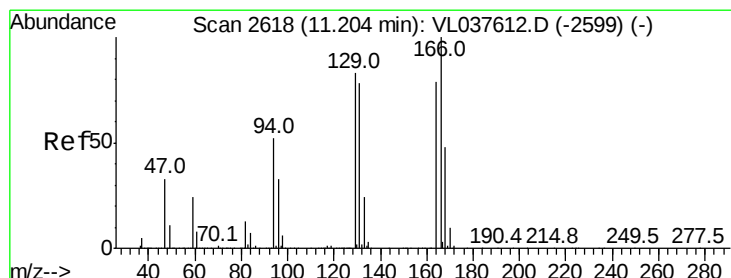
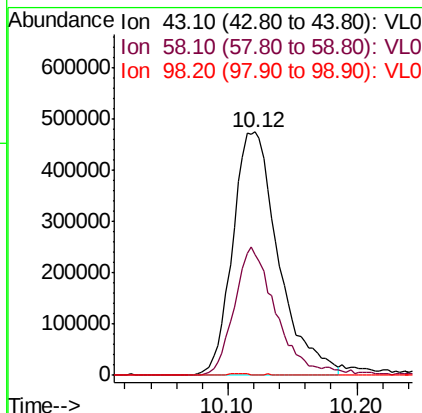
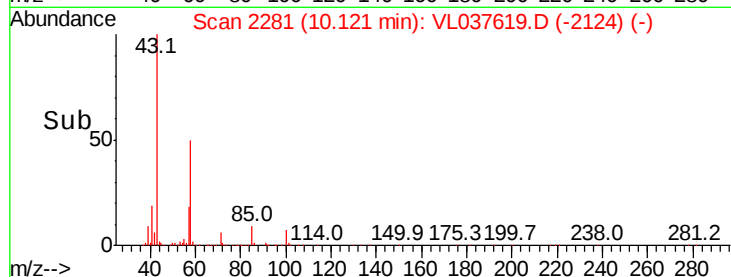
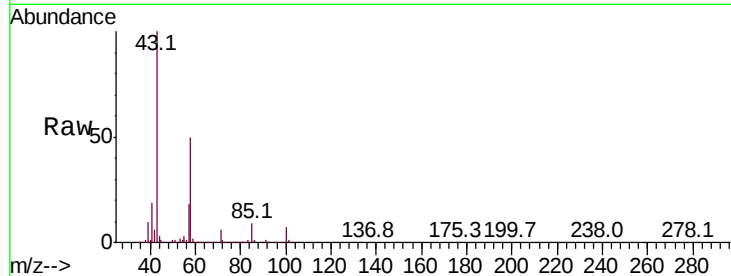
#51
2-Hexanone
Concen: 10.632 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion: 43 Resp: 1162375
Ion Ratio Lower Upper
43 100
58 49.3 39.3 58.9
98 0.7 0.4 0.6#

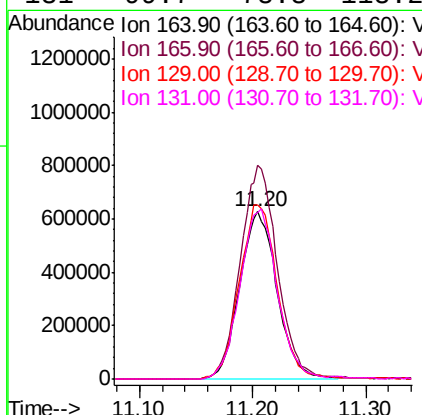
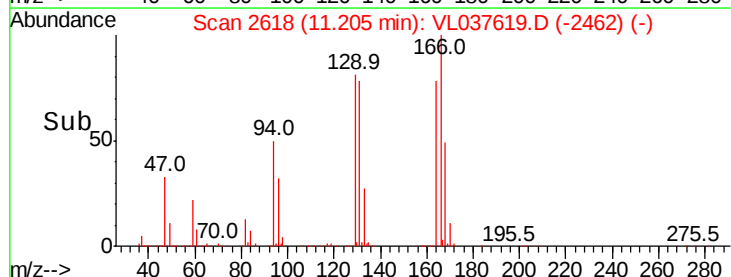
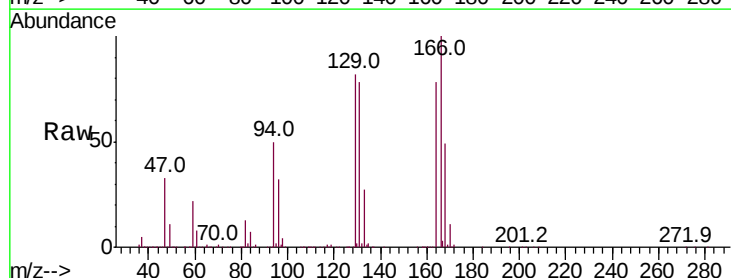
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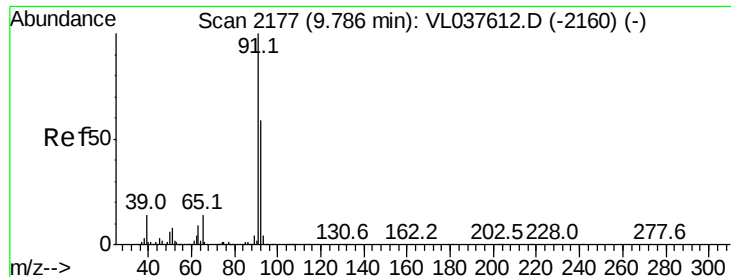
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#52
Tetrachloroethene
Concen: 9.361 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion: 164 Resp: 1439644
Ion Ratio Lower Upper
164 100
166 127.5 101.2 151.8
129 104.1 84.0 126.0
131 99.7 78.8 118.2





#53

Toluene

Concen: 10.202 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 91 Resp: 4542723

Ion Ratio Lower Upper

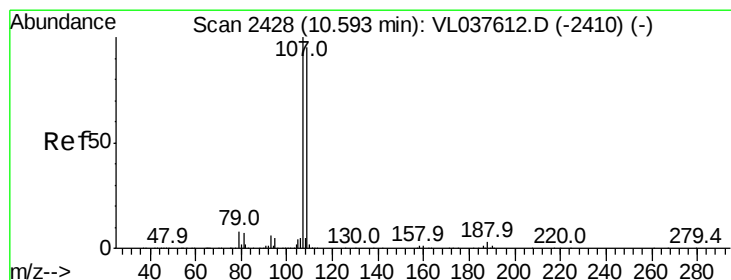
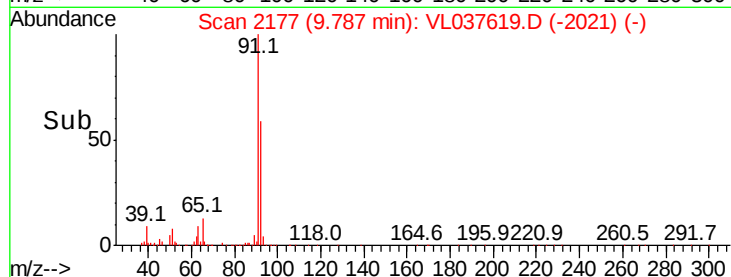
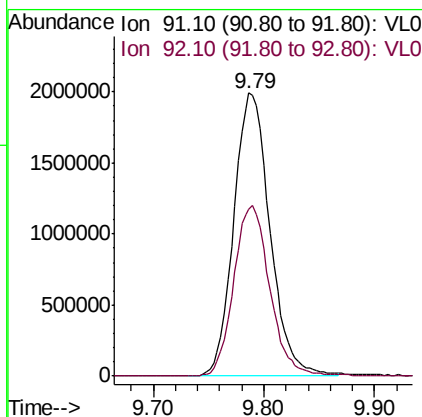
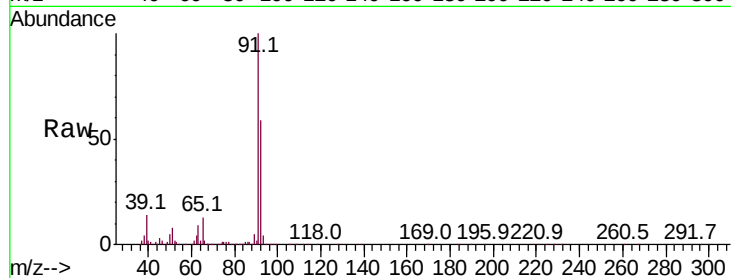
91 100

92 60.1 48.9 73.3

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#54

1,2-Dibromoethane

Concen: 9.709 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.00 min

Lab File: VL037619.D

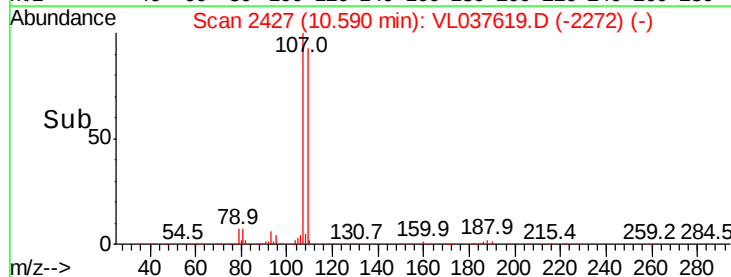
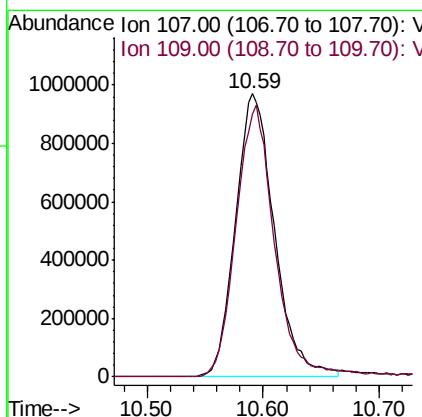
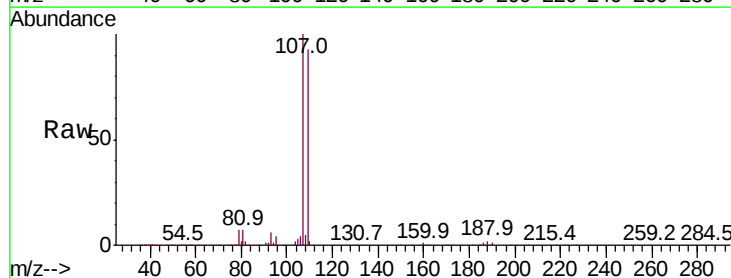
Acq: 16 Sep 2021 16:53

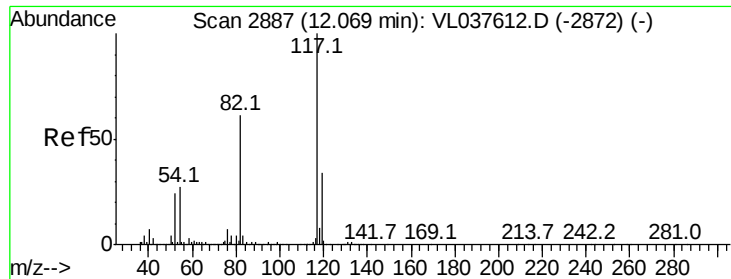
Tgt Ion: 107 Resp: 2256420

Ion Ratio Lower Upper

107 100

109 93.0 76.0 114.0





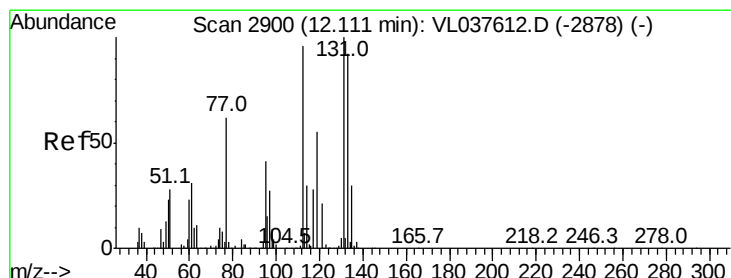
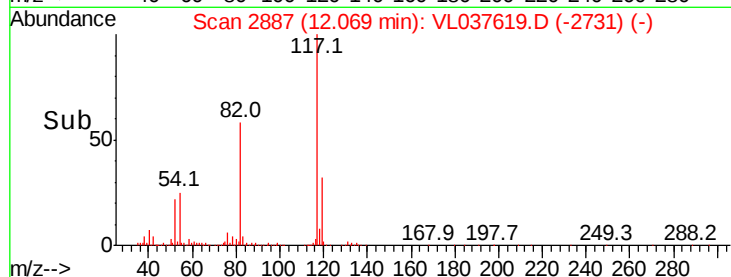
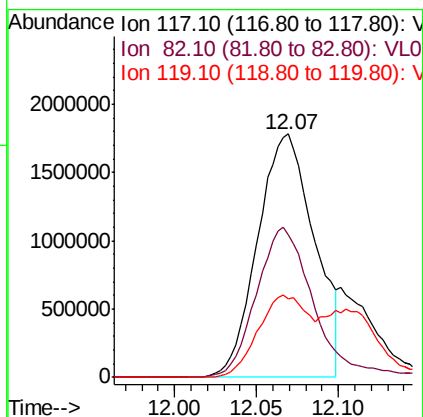
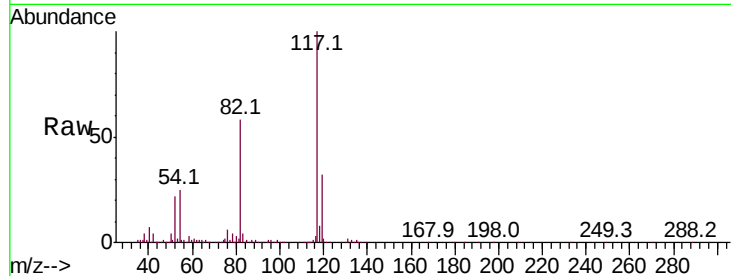
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion:117 Resp: 4308944
Ion Ratio Lower Upper
117 100
82 64.5 50.6 75.8
119 59.8 26.2 39.2#

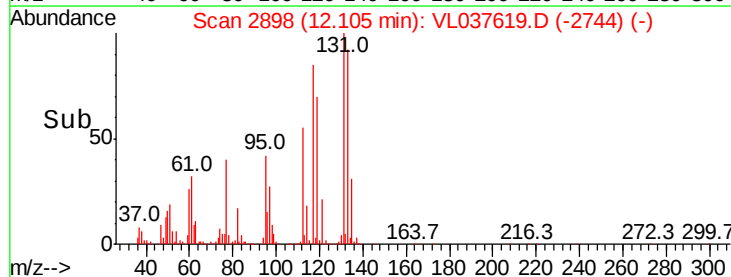
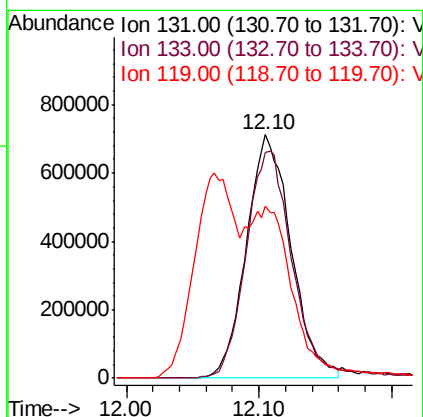
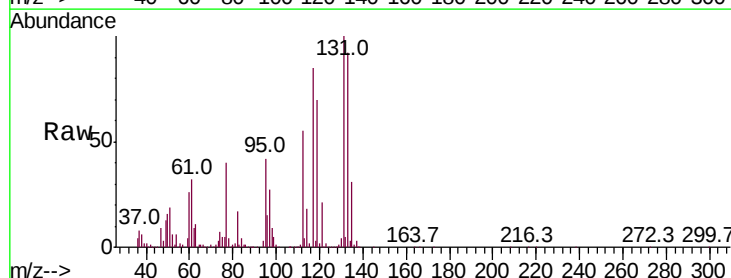
Manual Integrations
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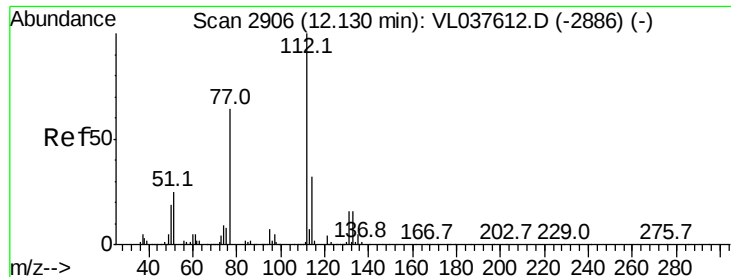
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.309 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion:131 Resp: 1663858
Ion Ratio Lower Upper
131 100
133 99.5 76.8 115.2
119 73.0 47.8 71.8#





#57

Chlorobenzene

Concen: 8.901 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 112 Resp: 3188505

Ion Ratio Lower Upper

112 100

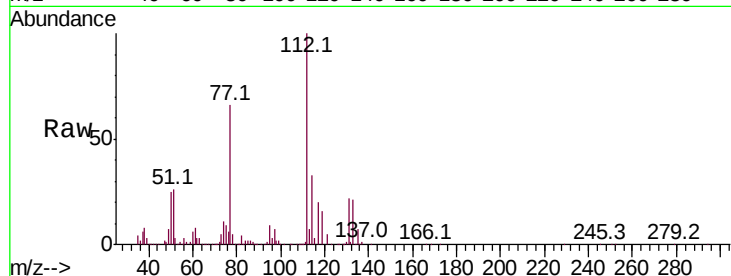
77 64.8 52.1 78.1

114 32.8 29.2 35.6

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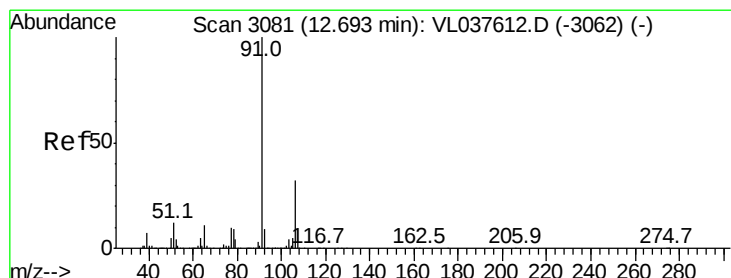
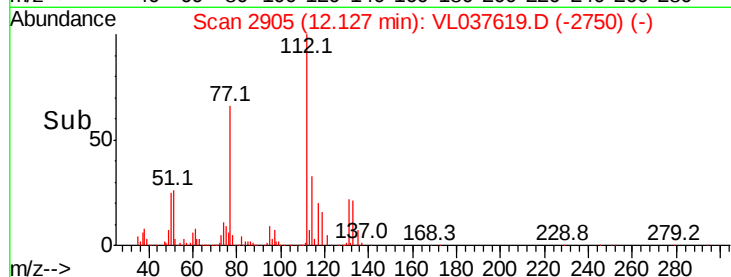
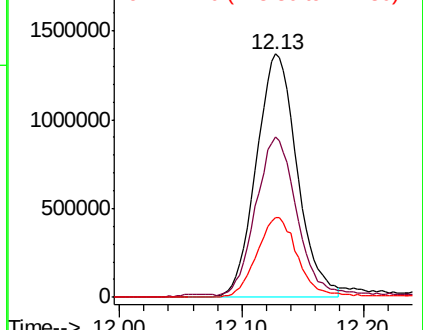
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.947 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.00 min

Lab File: VL037619.D

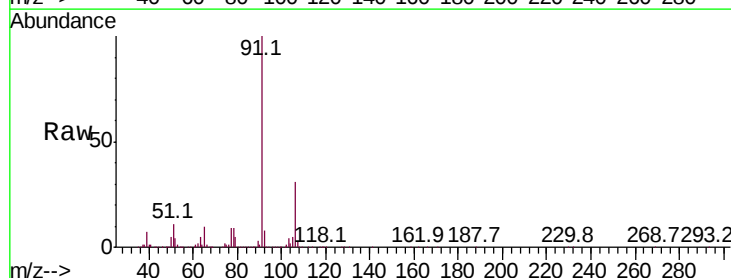
Acq: 16 Sep 2021 16:53

Tgt Ion: 91 Resp: 5689462

Ion Ratio Lower Upper

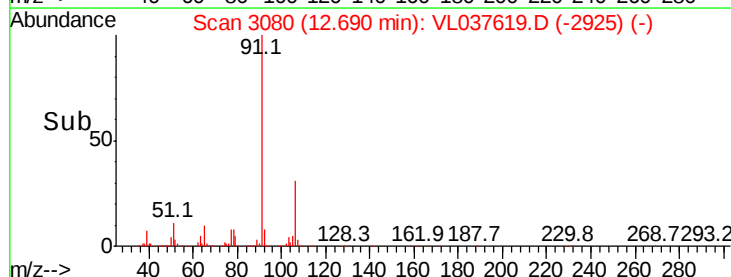
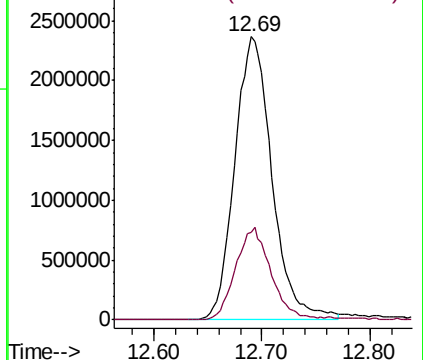
91 100

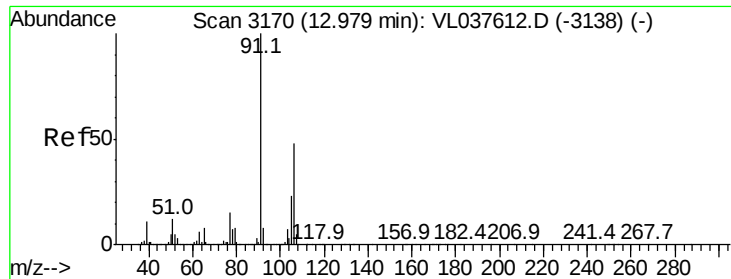
106 31.2 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





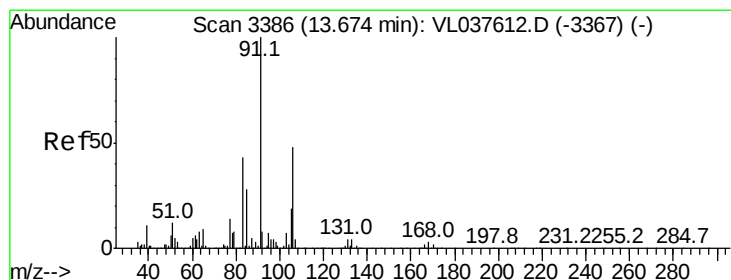
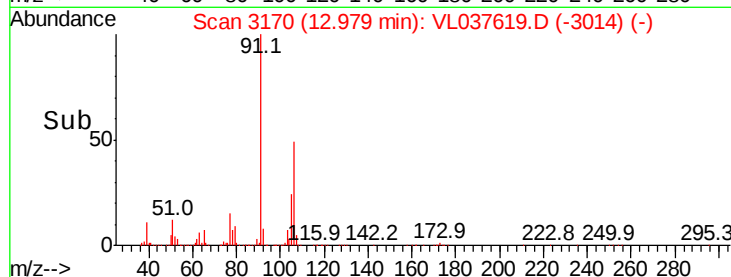
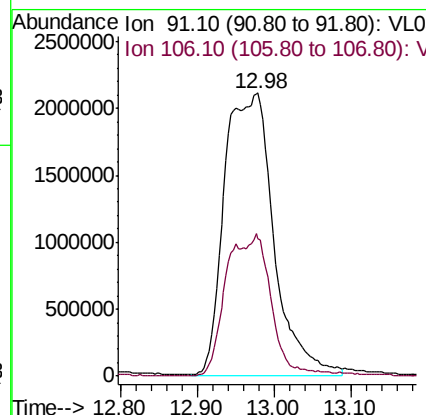
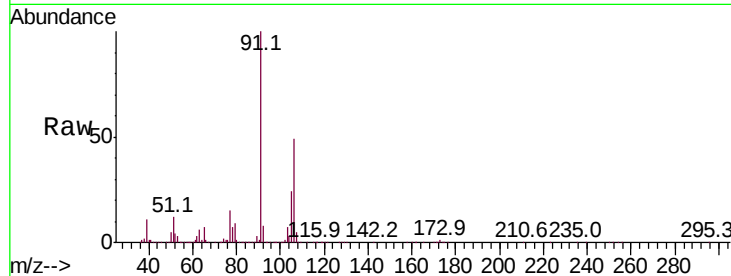
#59
m/p-Xylene
Concen: 19.054 ppbv m
RT: 12.98 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion: 91 Resp: 9497726
Ion Ratio Lower Upper
91 100
106 46.2 36.6 55.0

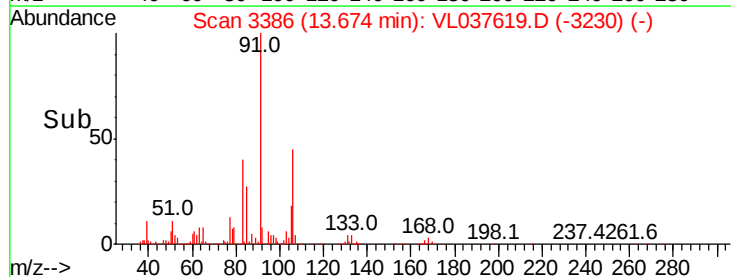
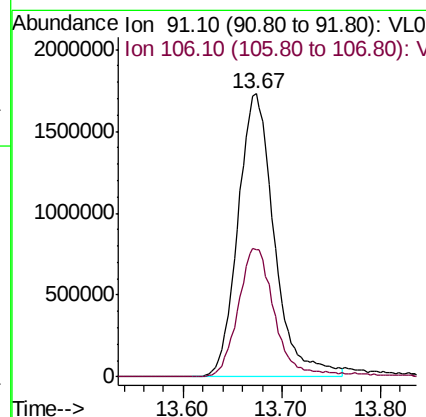
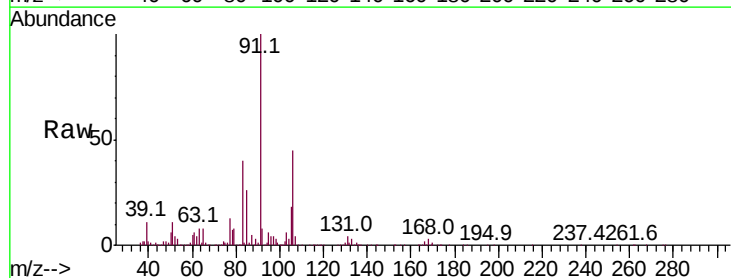
Manual Integrations
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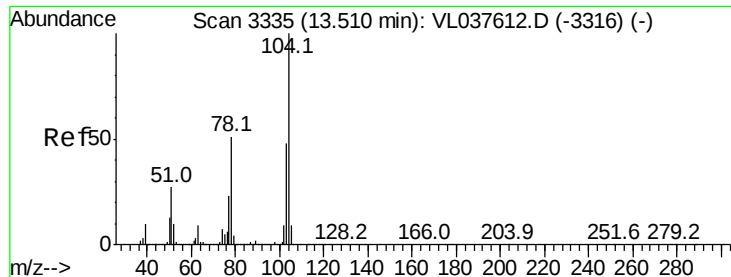
MMDadoda
9/20/2021 5:27:05 PM



#60
o-Xylene
Concen: 9.325 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion: 91 Resp: 4424068
Ion Ratio Lower Upper
91 100
106 47.1 23.0 69.0





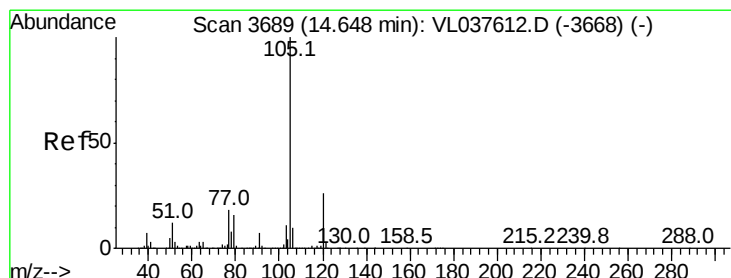
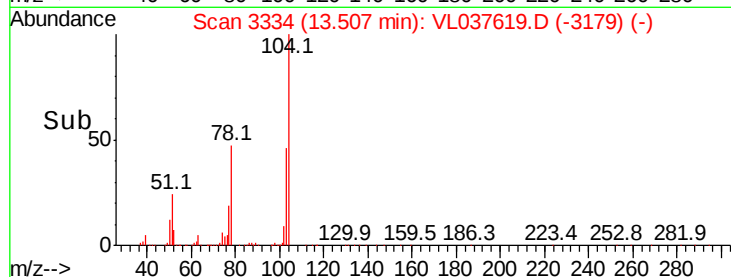
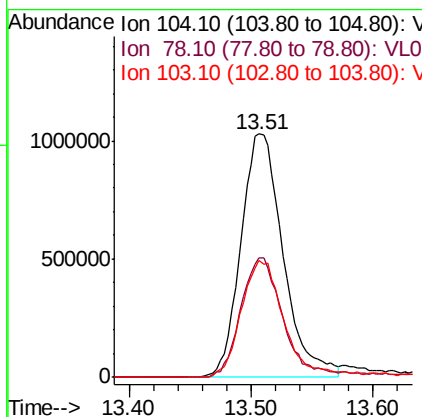
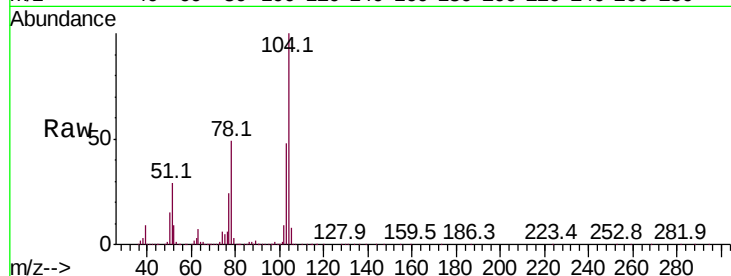
#61
Stvrene
Concen: 10.504 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.4	39.7	59.5
103	49.7	38.8	58.2

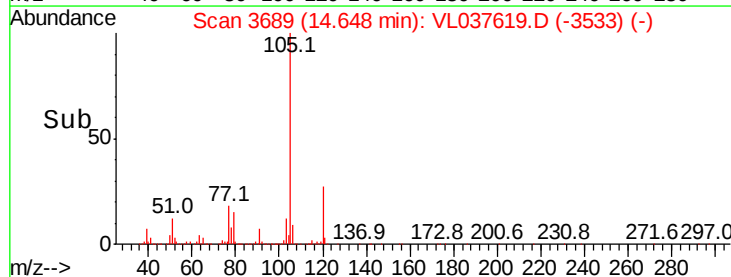
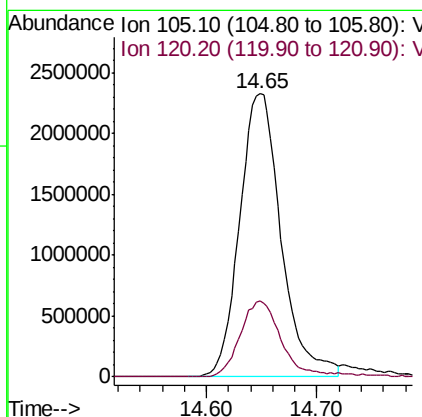
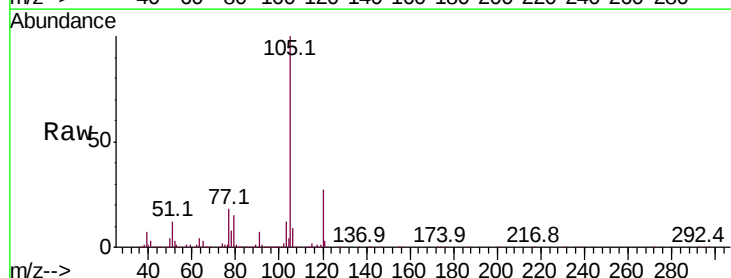
Manual Integrations
APPROVED

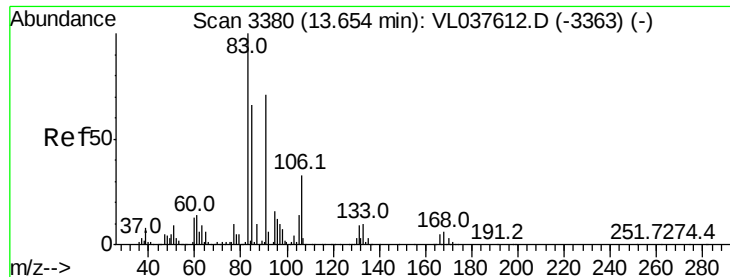
MMDadoda
9/20/2021 5:27:05 PM



#62
Isopropylbenzene
Concen: 9.149 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.5	21.4	32.0





#63

1,1,2,2-Tetrachloroethane

Concen: 8.225 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 83 Resp: 3053948

Ion Ratio Lower Upper

83 100

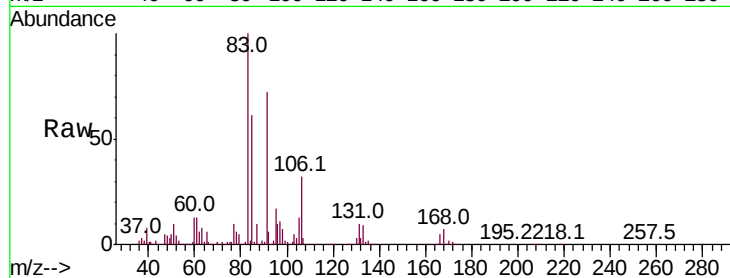
131 9.7 5.1 15.3

85 67.6 33.3 99.9

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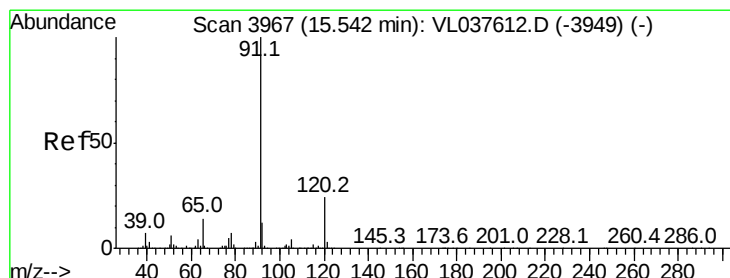
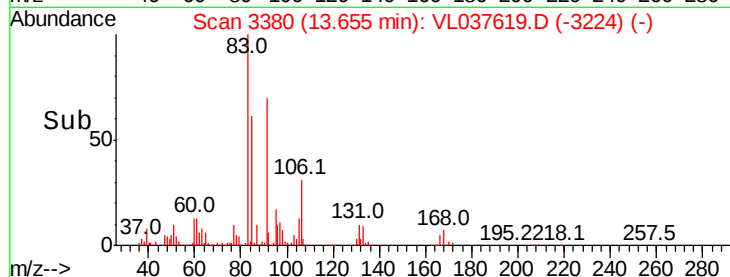
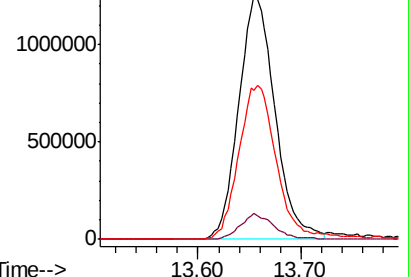
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.467 ppbv m

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

Lab File: VL037619.D

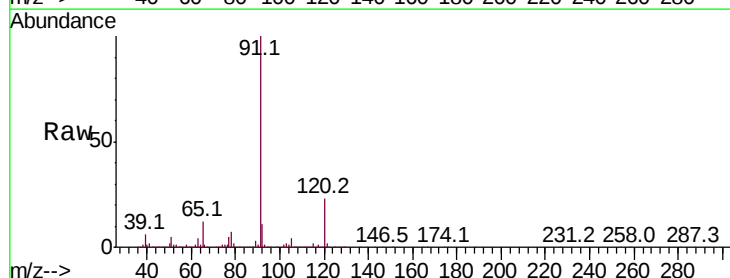
Acq: 16 Sep 2021 16:53

Tgt Ion:120 Resp: 1619122

Ion Ratio Lower Upper

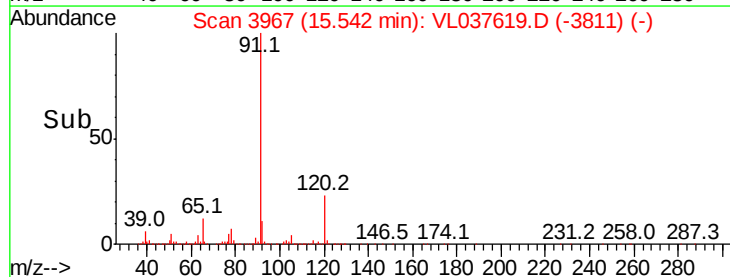
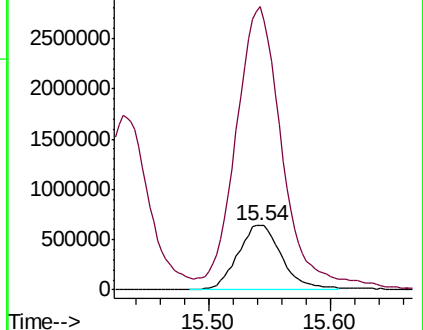
120 100

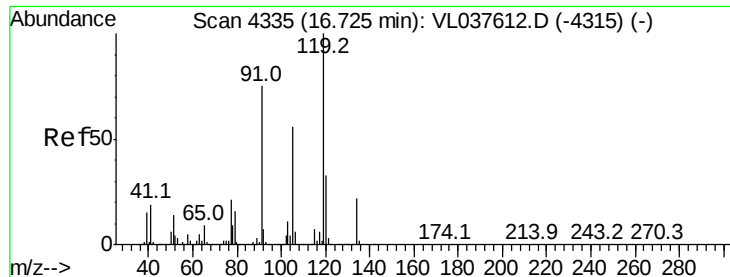
91 466.6 345.0 517.4



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.963 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion:119 Resp: 5355997

Ion Ratio Lower Upper

119 100

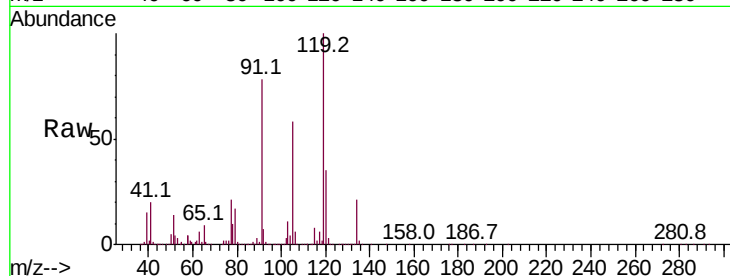
91 78.2 61.9 92.9

134 20.4 16.5 24.7

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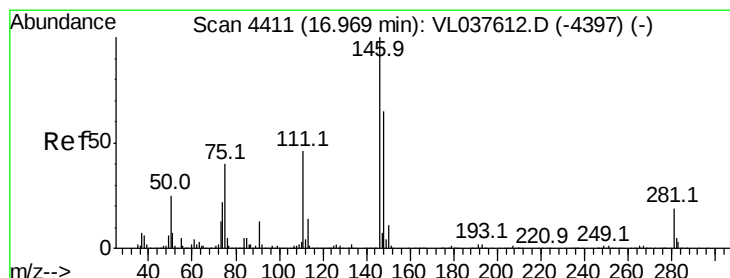
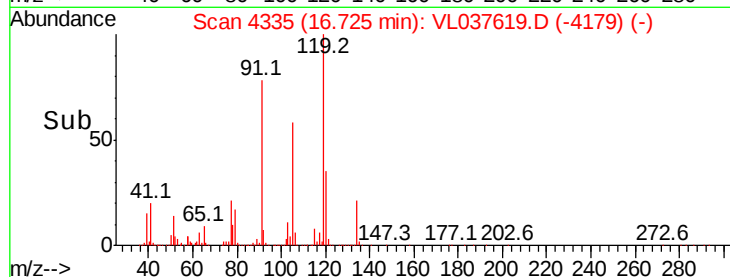
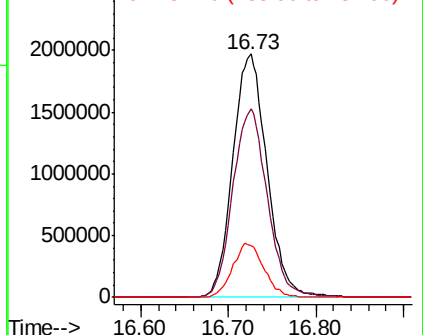
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.164 ppbv

RT: 16.97 min Scan# 4410

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

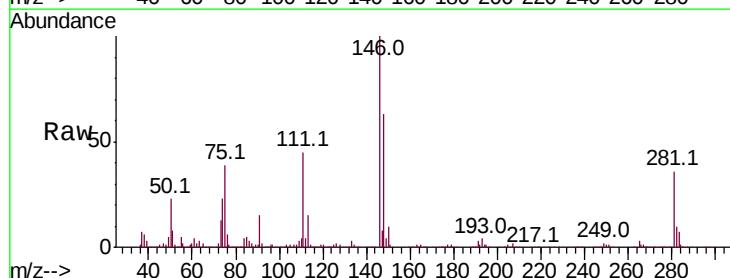
Tgt Ion: 91 Resp: 331910

Ion Ratio Lower Upper

91 100

126 20.7 14.4 21.6

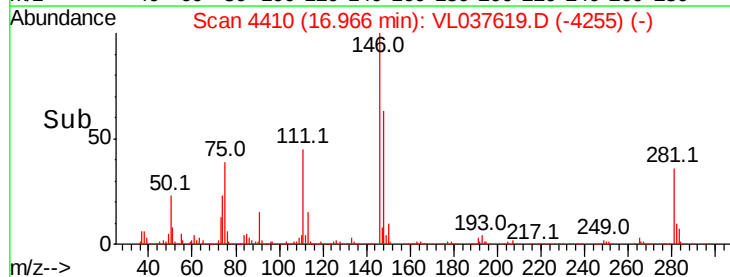
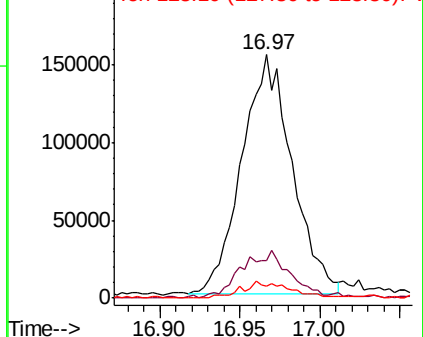
128 6.6 5.7 8.5

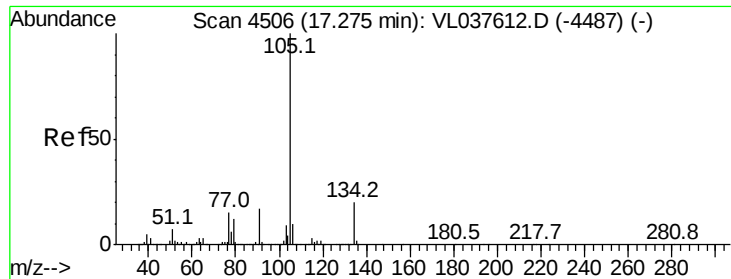


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.216 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion:105 Resp: 7471938

Ion Ratio Lower Upper

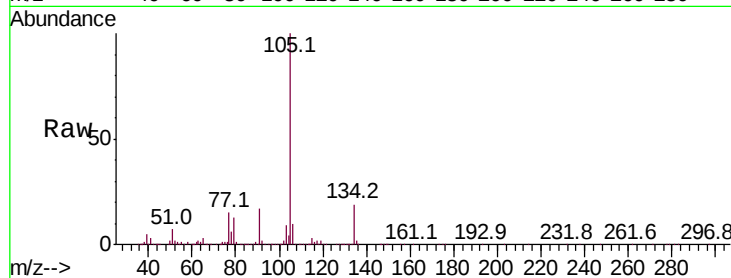
105 100

134 19.0 15.7 23.5

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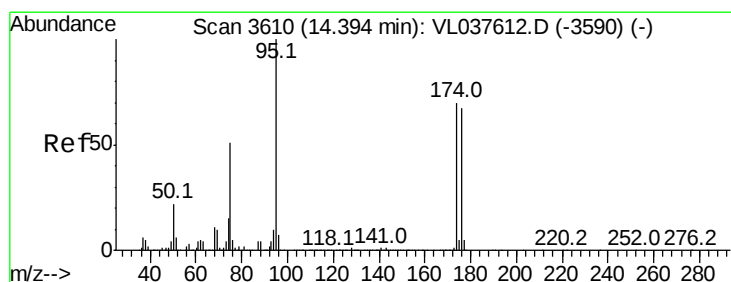
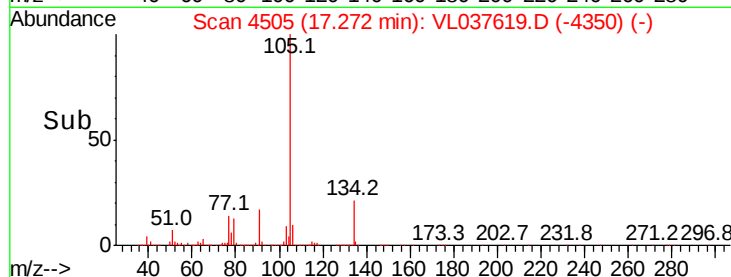
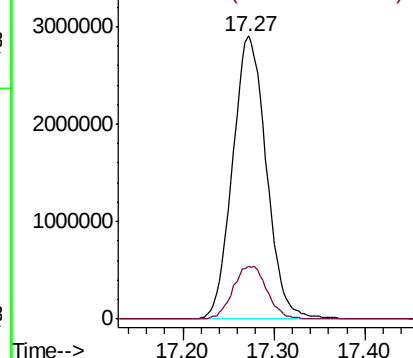
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.136 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

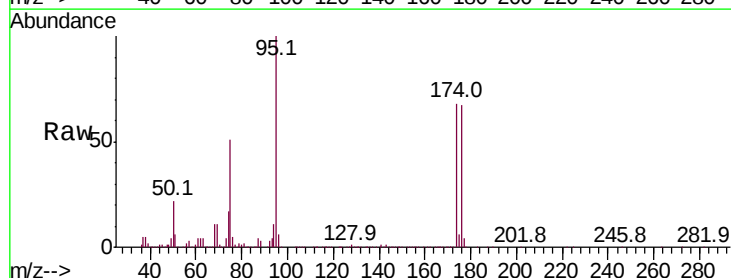
Tgt Ion: 95 Resp: 3156331

Ion Ratio Lower Upper

95 100

174 73.2 56.3 84.5

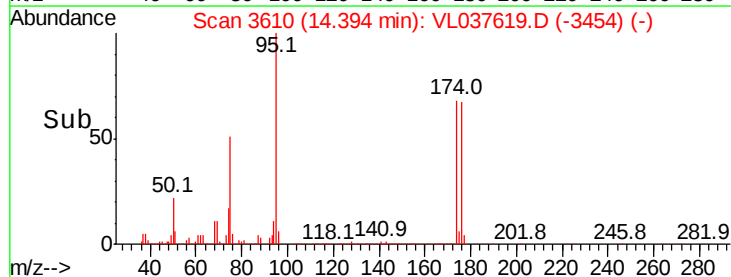
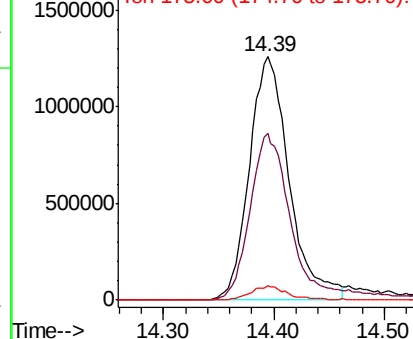
175 5.5 4.4 6.6

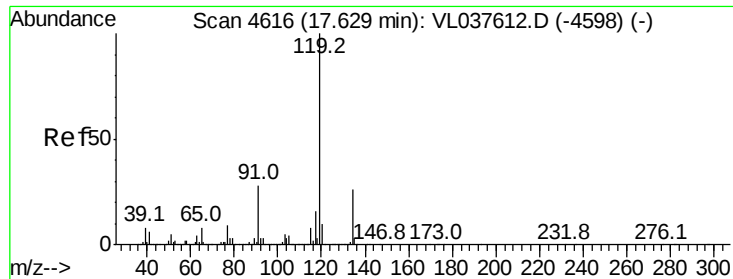


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





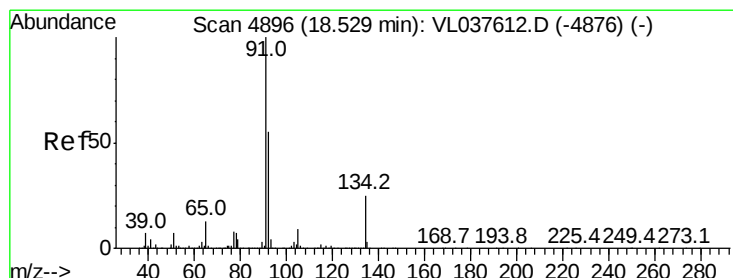
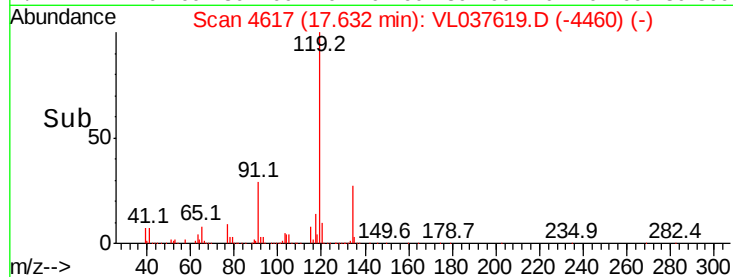
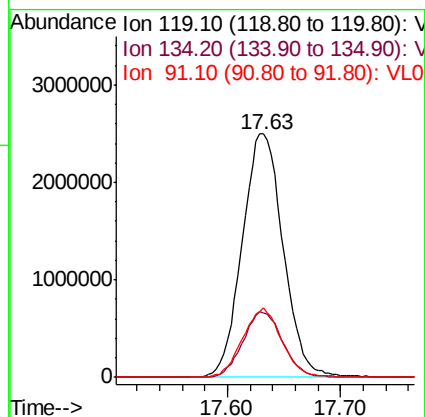
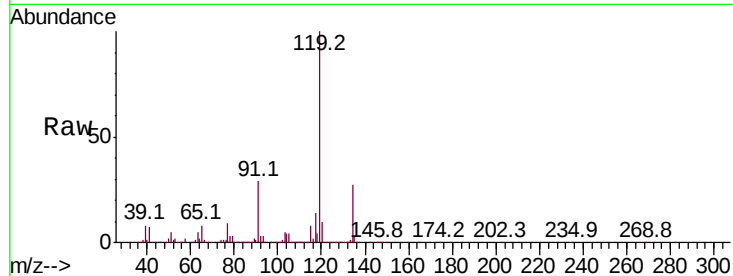
#69
 p-Isopropyltoluene
 Concen: 9.464 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.2	31.8
91	27.4	22.2	33.2

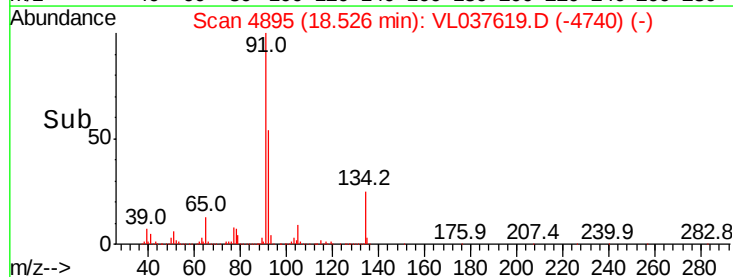
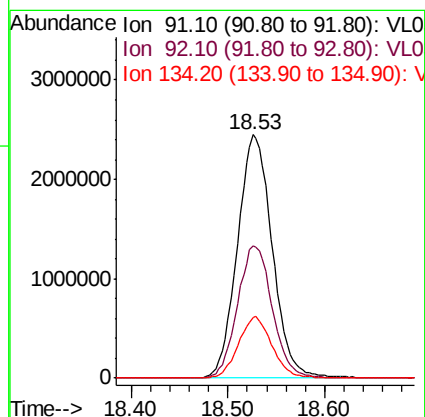
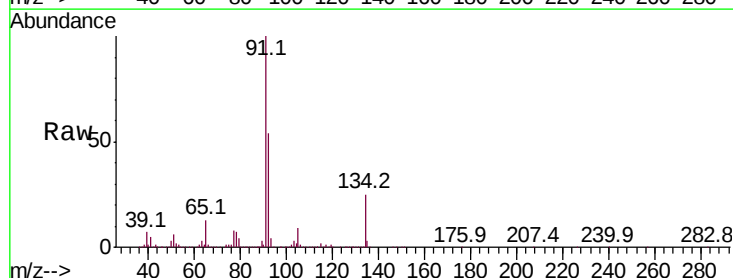
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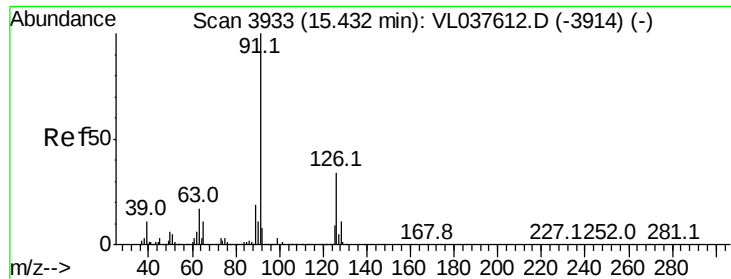
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#70
 n-Butylbenzene
 Concen: 9.765 ppbv
 RT: 18.53 min Scan# 4895
 Delta R.T. -0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.0	66.0
134	24.5	19.5	29.3





#71

2-Chlorotoluene

Concen: 9.215 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 91 Resp: 4376810

Ion Ratio Lower Upper

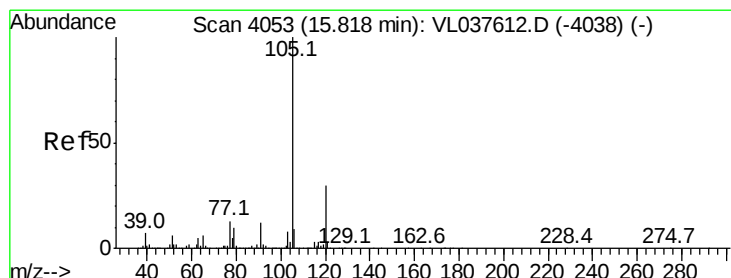
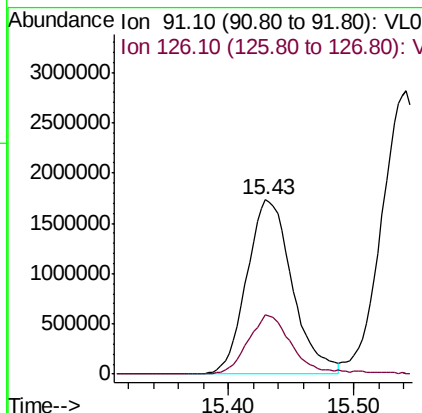
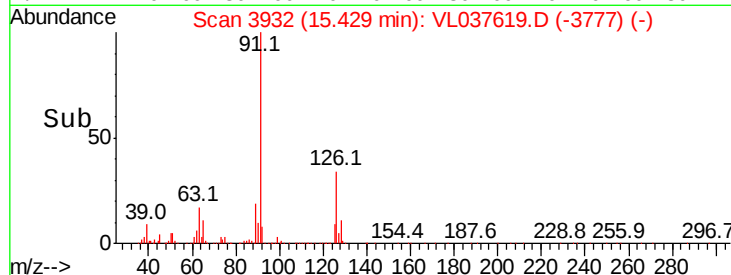
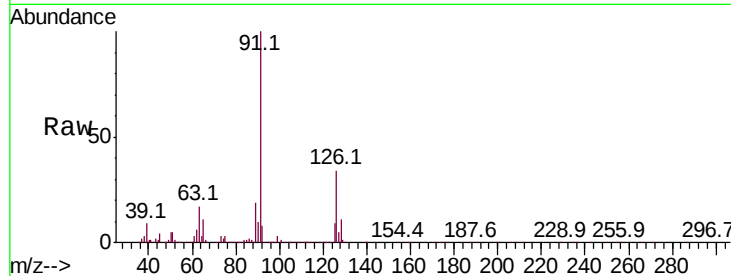
91 100

126 34.0 13.2 52.8

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#72

4-Ethyltoluene

Concen: 9.528 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Tgt Ion:105 Resp: 5189164

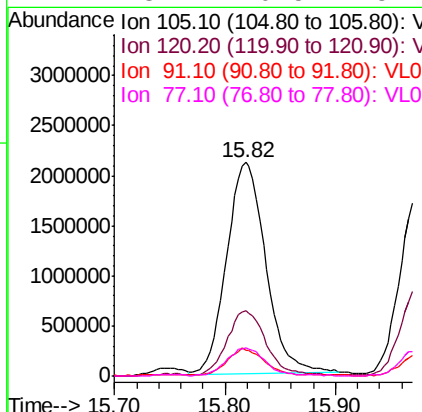
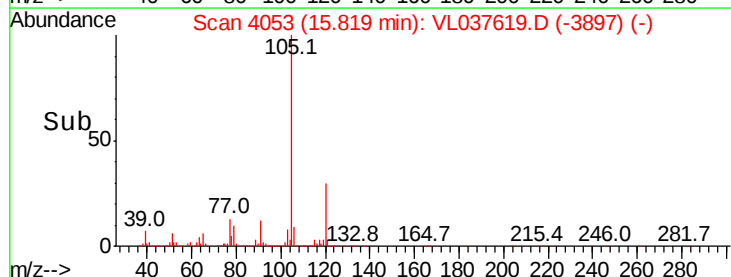
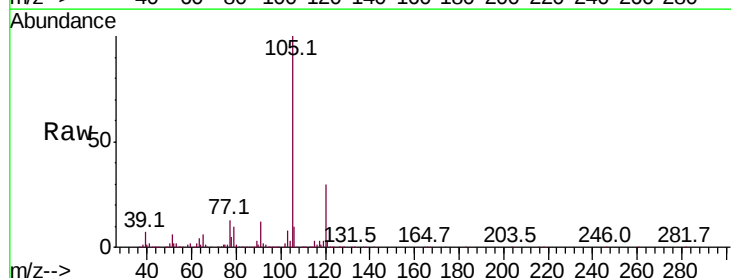
Ion Ratio Lower Upper

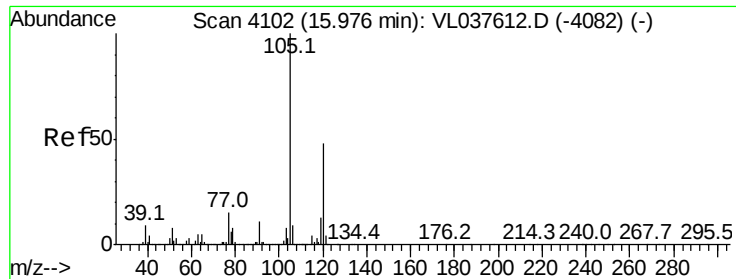
105 100

120 31.2 24.7 37.1

91 12.6 9.9 14.9

77 13.2 10.5 15.7





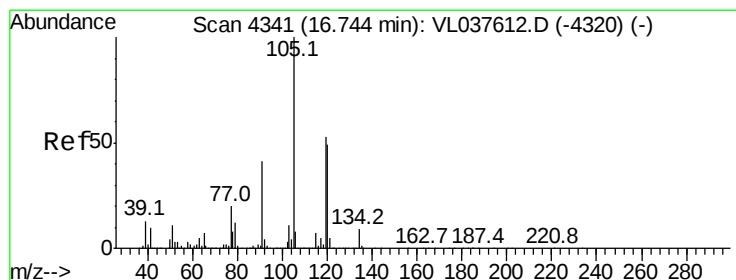
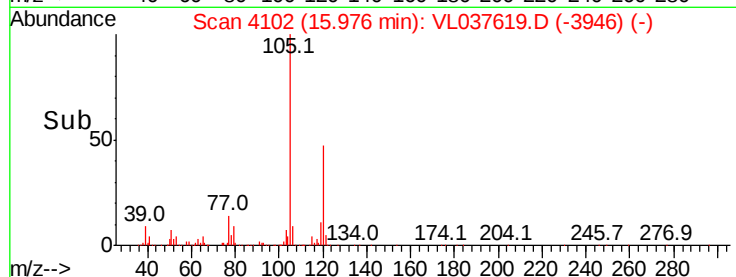
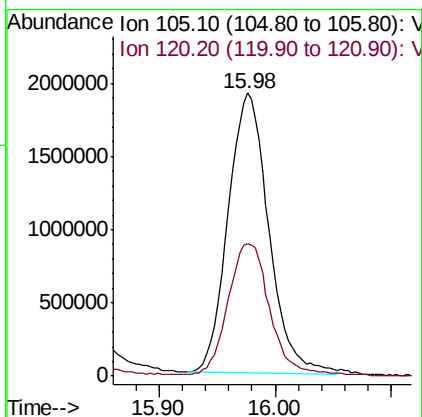
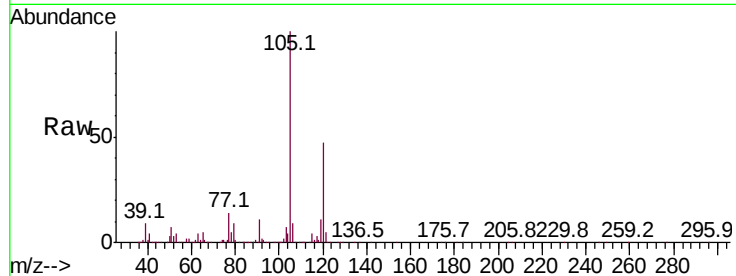
#73
 1,3,5-Trimethylbenzene
 Concen: 9.179 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion:105 Resp: 4659638
 Ion Ratio Lower Upper
 105 100
 120 46.9 38.3 57.5

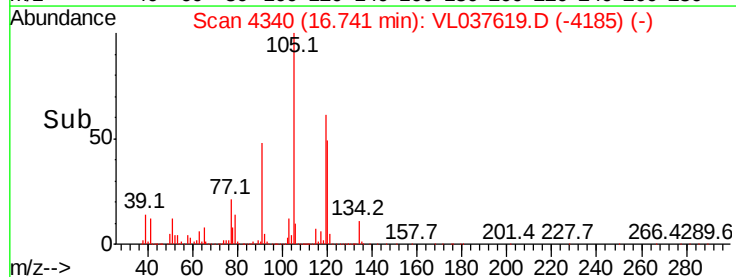
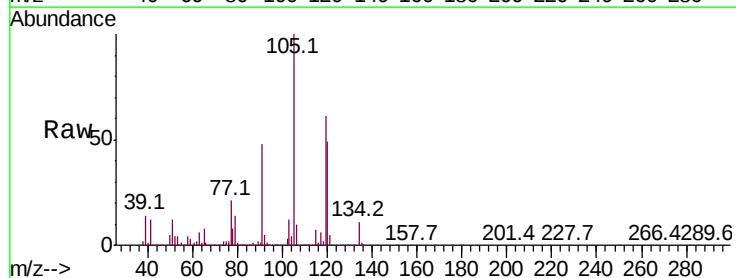
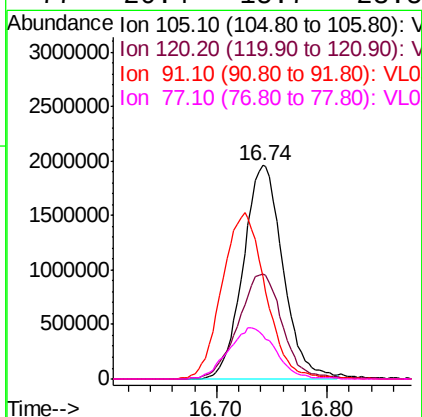
Manual Integrations
 APPROVED

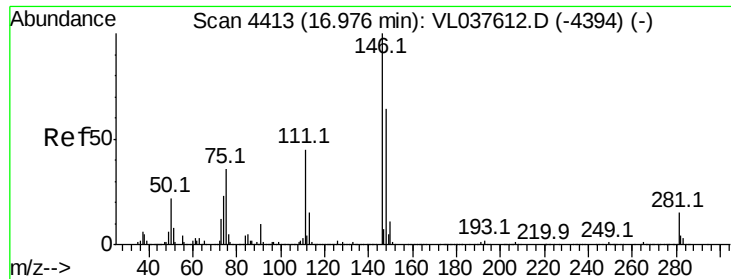
MMDadoda
 9/20/2021 5:27:05 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.154 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Tgt Ion:105 Resp: 4894478
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.4 59.0
 91 47.0 33.3 49.9
 77 20.4 15.7 23.5





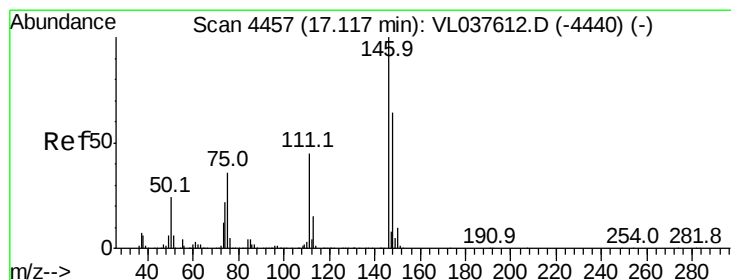
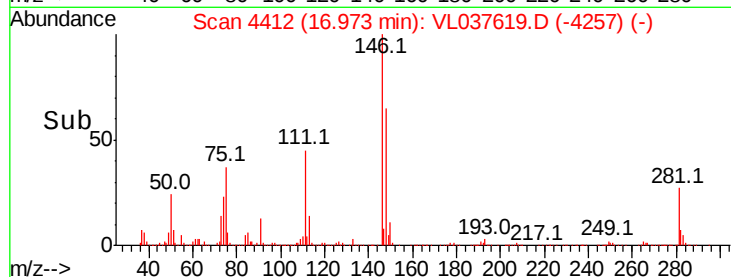
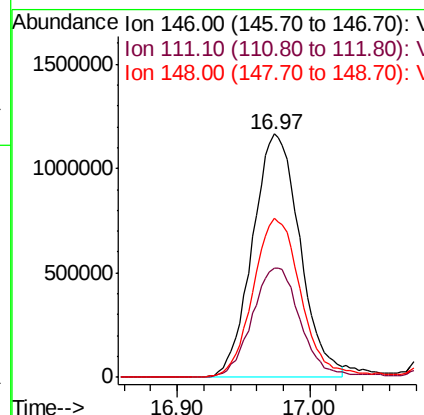
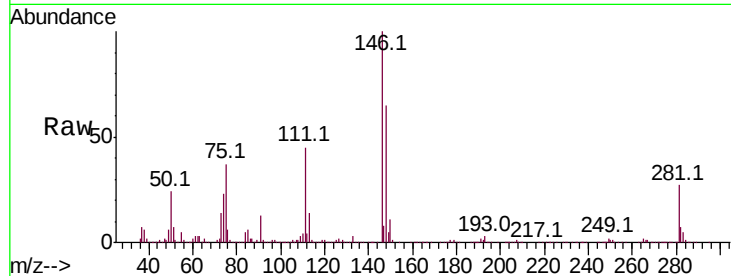
#75
 1,3-Dichlorobenzene
 Concen: 8.724 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.8	68.3
148	66.5	32.1	96.5

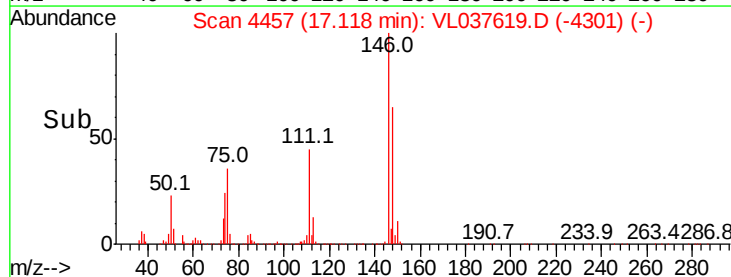
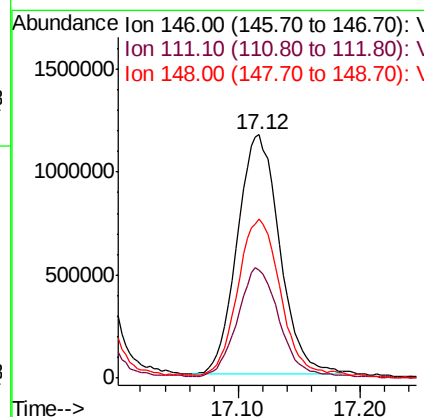
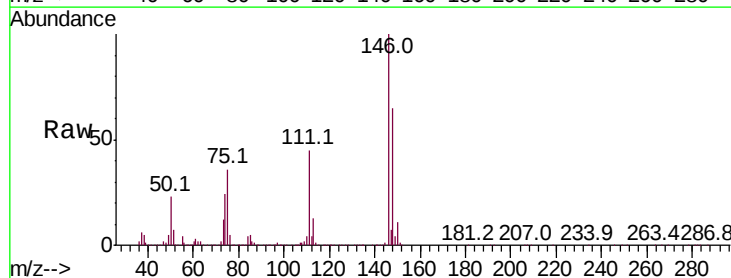
Manual Integrations
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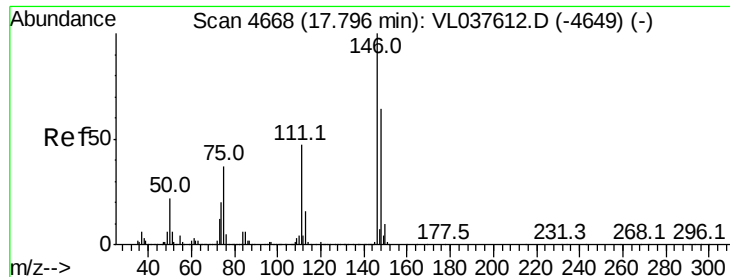
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 9/20/2021 5:27:05 PM



#76
 1,4-Dichlorobenzene
 Concen: 8.554 ppbv
 RT: 17.12 min Scan# 4457
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.5	67.5
148	69.2	32.9	98.6





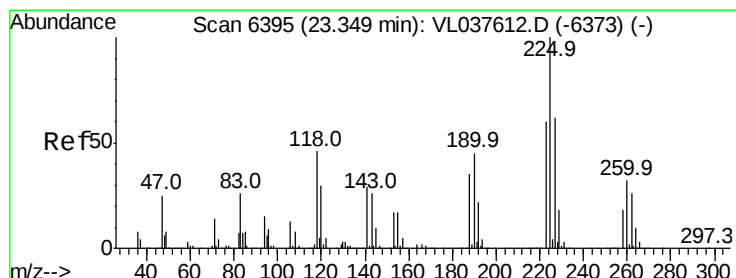
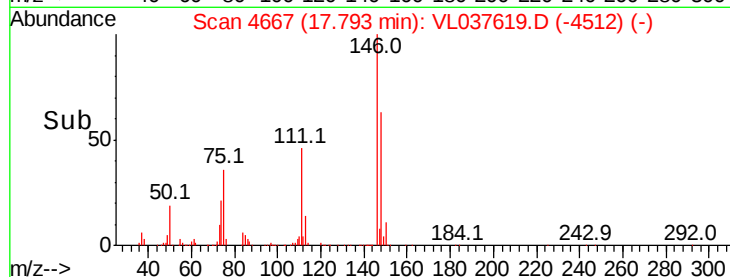
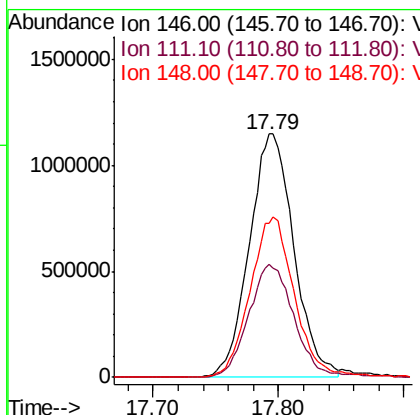
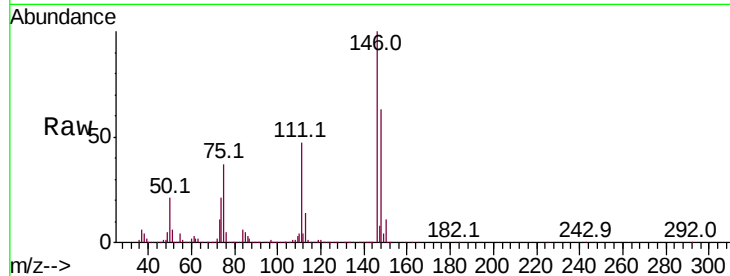
#77
 1,2-Dichlorobenzene
 Concen: 8.918 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.7	24.0	72.0
148	66.4	32.8	98.3

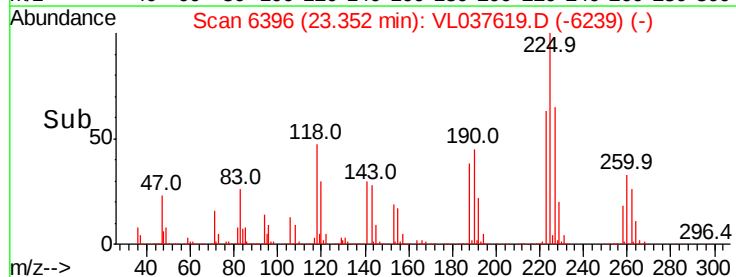
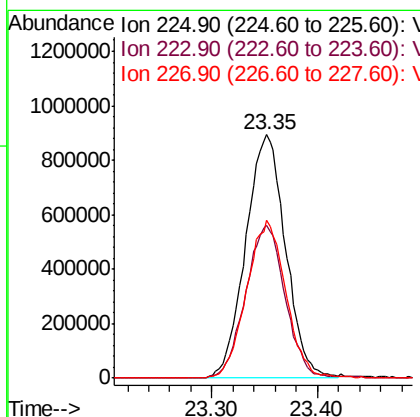
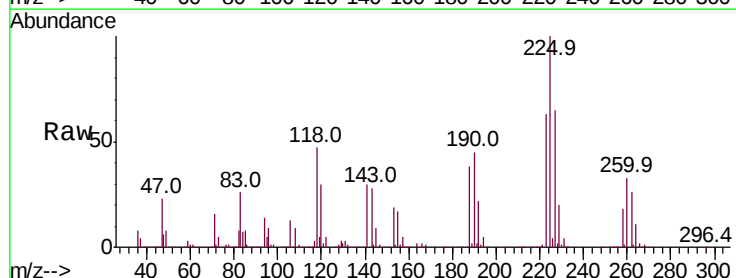
Manual Integrations
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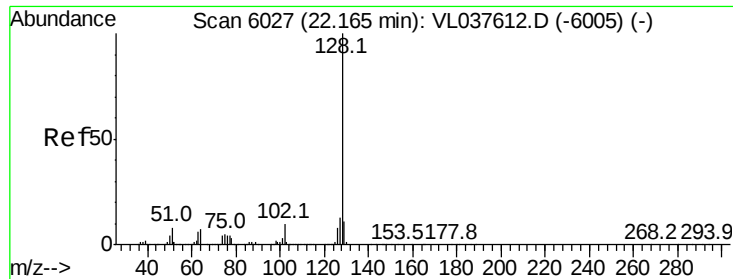
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.859 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	51.1	76.7
227	64.5	52.2	78.4





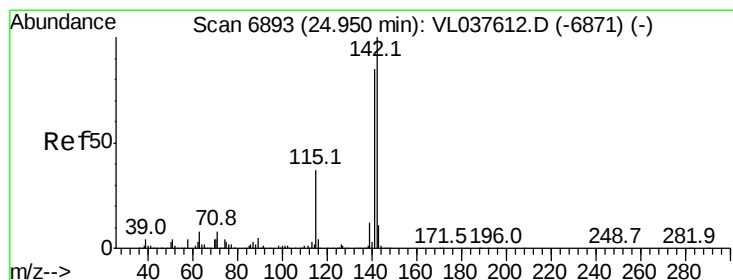
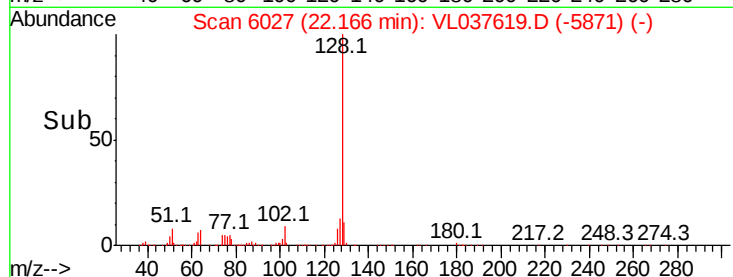
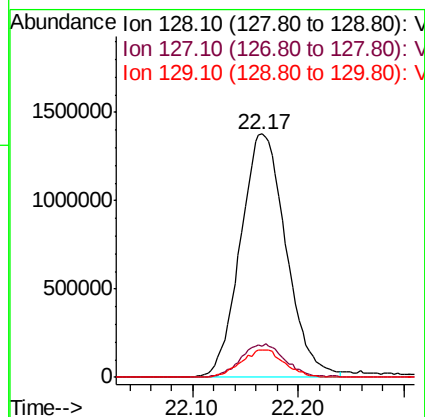
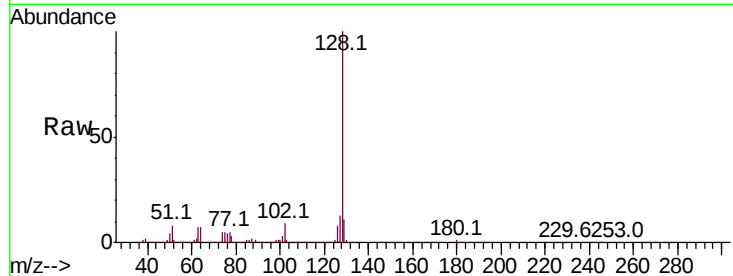
#79
Naphthalene
Concen: 12.567 ppbv
RT: 22.17 min Scan# 6027
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	11.4	8.6	12.8

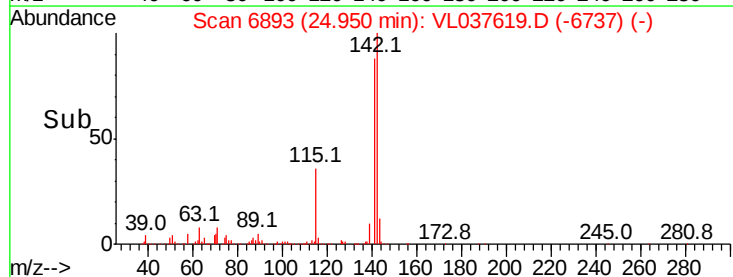
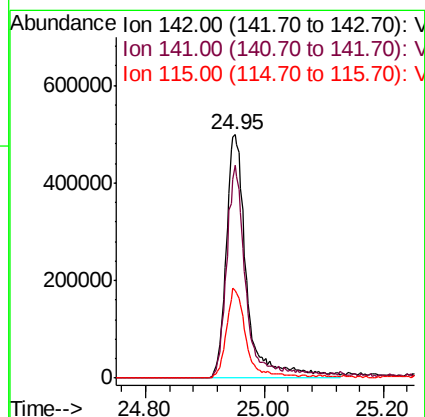
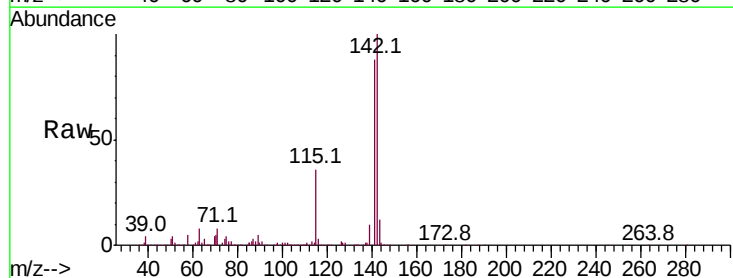
Manual Integrations
APPROVED

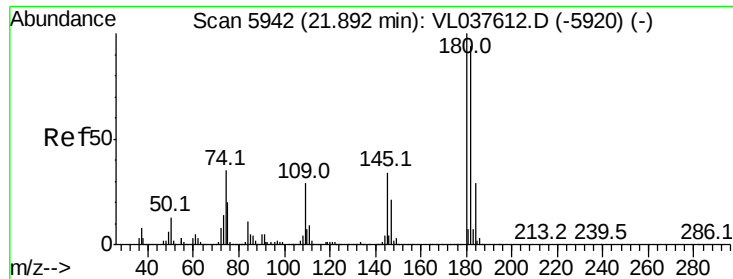
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9/20/2021 5:27:05 PM



#80
Naphthalene, 2-methyl-
Concen: 15.982 ppbv
RT: 24.95 min Scan# 6893
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.8	70.9	106.3
115	37.5	29.6	44.4





#81
 1,2,4-Trichlorobenzene
 Concen: 11.293 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	78.9	118.3
184	31.7	24.7	37.1

Manual Integrations
 APPROVED

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