

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037066.D
 Acq On : 1 Jun 2021 11:33
 Operator : SY/AP
 Sample : VL0601ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Manual Integrations
 APPROVED

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 6/7/2021 2:58:20 PM

Quant Time: Jun 02 03:19:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1368174	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4252626	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3916421m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3154356	10.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1929227	8.312	ppbv	99
3) Chlorodifluoromethane	2.98	51	2675206	10.673	ppbv	95
4) Chloromethane	3.13	50	897407	10.521	ppbv	99
5) Vinyl Chloride	3.25	62	991171	10.631	ppbv	98
6) Bromomethane	3.46	94	539687	10.986	ppbv	99
7) Chloroethane	3.55	64	357854	11.821	ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	2458216	11.280	ppbv	97
9) Propene	3.00	41	856430	9.542	ppbv	98
10) Heptane	8.10	43	2205722	9.861	ppbv	100
11) Trichlorofluoromethane	3.93	101	2655447	12.360	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1860410	12.157	ppbv	96
13) Ethanol	3.60	45	98855	8.255	ppbv	84
14) Bromoethene	3.73	108	805815	11.955	ppbv	99
15) Acetone	3.84	43	1362982	9.726	ppbv	95
16) 1,3-Butadiene	3.31	39	959449	11.020	ppbv	98
17) tert-Butyl alcohol	4.28	59	1407876	10.968	ppbv	98
18) 1,1-Dichloroethene	4.27	96	834255	11.790	ppbv	99
19) Isopropyl Alcohol	3.96	45	862592	11.451	ppbv #	34
20) Methylene Chloride	4.33	84	699587	9.313	ppbv	97
21) Allyl Chloride	4.40	41	1137197	10.757	ppbv	95
22) trans-1,2-Dichloroethene	4.87	96	822788	12.133	ppbv	97
23) Vinyl Acetate	5.06	43	2384537	10.720	ppbv #	98
24) 1,1-Dichloroethane	5.00	63	1724996	10.774	ppbv	100
25) Ethyl Acetate	5.66	43	3409874	10.126	ppbv	99
26) Hexane	5.67	57	1665663	9.682	ppbv	97
27) Carbon Disulfide	4.54	76	1983340	11.439	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2050464	9.944	ppbv	99
29) Chloroform	5.74	83	2737306	11.263	ppbv	97
30) Cyclohexane	7.11	84	1503584	10.285	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1680734	10.897	ppbv	95
32) 1,1,1-Trichloroethane	6.49	97	2876550	11.022	ppbv	99
34) 2-Butanone	5.23	43	1640382	10.593	ppbv	98
35) Carbon Tetrachloride	7.00	117	3106777	10.995	ppbv	99
36) Benzene	6.87	78	3513750	9.592	ppbv	98
37) 1,2-Dichloroethane	6.29	62	2079838	11.452	ppbv	98
38) Trichloroethene	7.82	130	1495370	9.543	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1326520	9.401	ppbv	94
40) 1,4-Dioxane	7.82	88	337225	10.121	ppbv #	100
41) Tetrahydrofuran	6.03	42	796890	9.036	ppbv	98
42) Bromodichloromethane	7.77	83	3033373	11.041	ppbv	99
43) Methyl Methacrylate	8.00	69	1279011	10.131	ppbv	99

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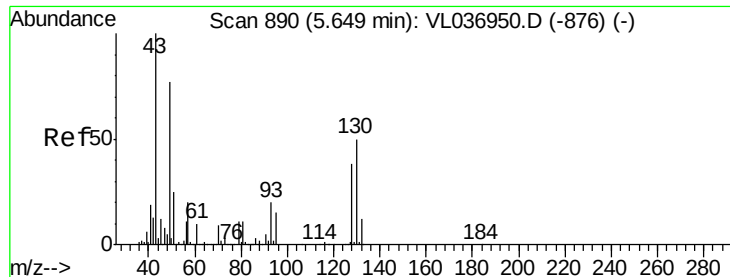
Manual Integrations
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Quant Time: Jun 02 03:19:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5756669	9.160	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	1011736	10.489	ppbv	95
46) cis-1,3-Dichloropropene	8.68	75	1335249	10.292	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1513083	10.245	ppbv	98
48) Dibromochloromethane	10.28	129	2742160	11.467	ppbv	100
49) Bromoform	13.02	173	2279939	11.545	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2499906	9.783	ppbv	99
51) 2-Hexanone	10.12	43	1324339	9.804	ppbv #	97
52) Tetrachloroethene	11.20	164	1455571	9.993	ppbv	96
53) Toluene	9.78	91	4225842	9.696	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2231075	10.626	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	1842813	11.183	ppbv #	55
57) Chlorobenzene	12.13	112	3219668	10.603	ppbv	99
58) Ethyl Benzene	12.69	91	5625916	10.178	ppbv	99
59) m/p-Xylene	12.97	91	9537931m	20.875	ppbv	
60) o-Xylene	13.67	91	4567915	10.482	ppbv	98
61) Styrene	13.51	104	2640503	10.756	ppbv	98
62) Isopropylbenzene	14.64	105	6421209	10.253	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	3085830	9.482	ppbv	99
64) n-propylbenzene	15.54	120	1765556	10.927	ppbv	99
65) tert-Butylbenzene	16.72	119	5925801	10.486	ppbv	99
66) Benzyl Chloride	16.97	91	296420	9.454	ppbv	99
67) sec-Butylbenzene	17.27	105	7956727	10.321	ppbv	99
69) p-Isopropyltoluene	17.63	119	7020346	10.591	ppbv	99
70) n-Butylbenzene	18.53	91	6794199	10.790	ppbv	99
71) 2-Chlorotoluene	15.43	91	4708317	10.409	ppbv	98
72) 4-Ethyltoluene	15.82	105	5636243	10.898	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	5197335	10.701	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	5404396	10.762	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	3366593	10.978	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3272978	10.556	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	3294230	10.721	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2381247	9.638	ppbv	100
79) Naphthalene	22.17	128	4749775	12.054	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	871728	10.174	ppbv	92
81) 1,2,4-Trichlorobenzene	21.90	180	2669020	11.112	ppbv	100

(#) = 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: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 49 Resp: 1368174

Ion Ratio Lower Upper

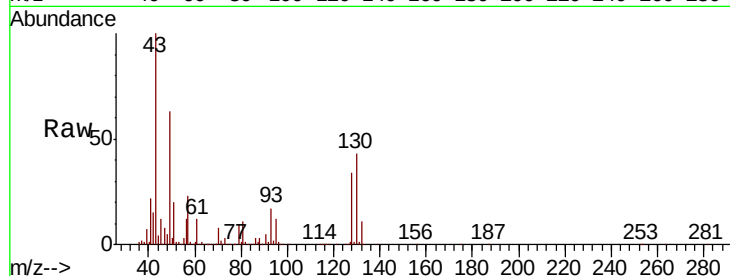
49 100

128 60.6 26.9 80.7

130 73.2 33.8 101.4

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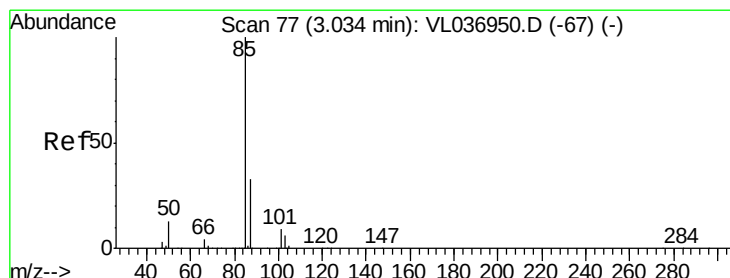
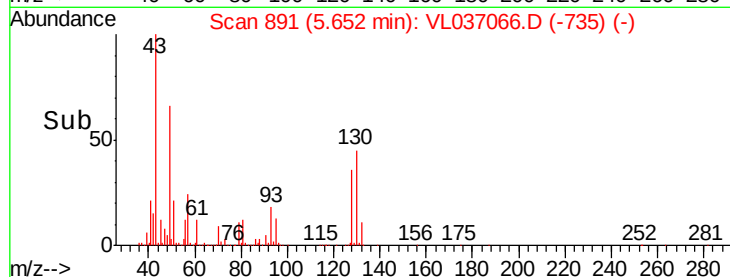
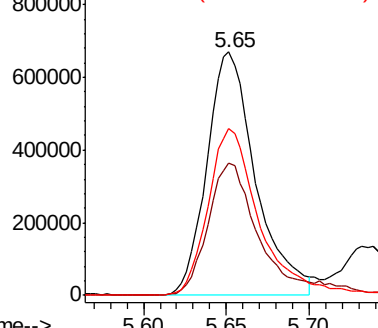
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.312 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.00 min

Lab File: VL037066.D

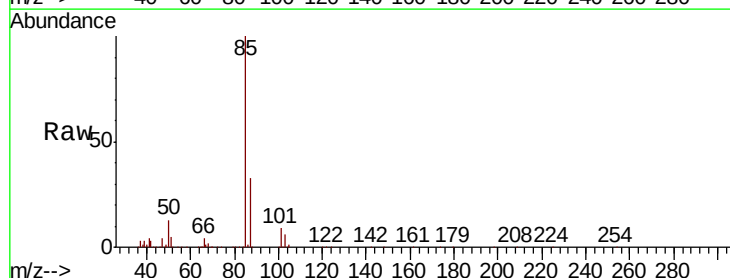
Acq: 1 Jun 2021 11:33

Tgt Ion: 85 Resp: 1929227

Ion Ratio Lower Upper

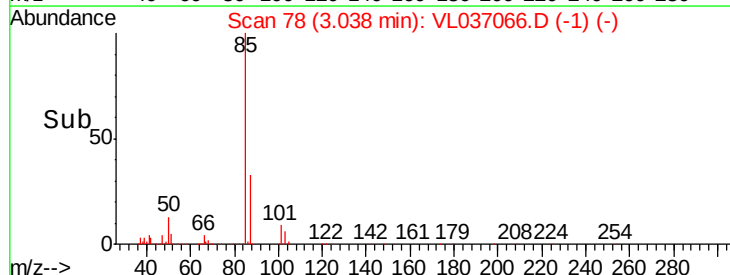
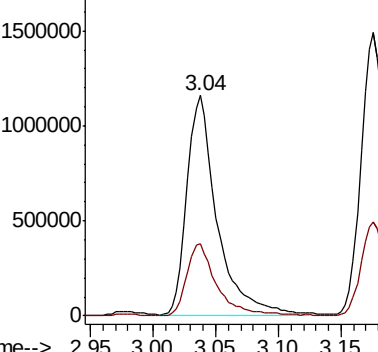
85 100

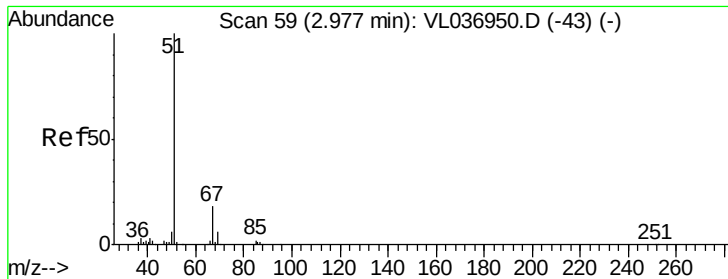
87 32.6 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.673 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 51 Resp: 2675206

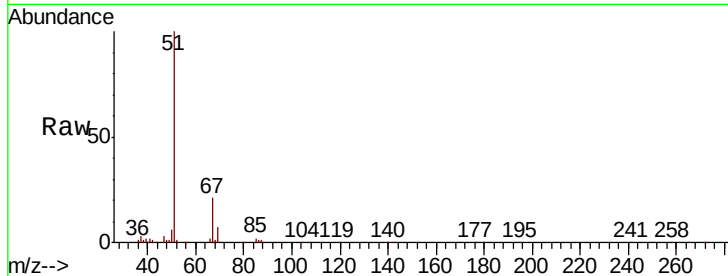
Ion Ratio Lower Upper

51 100

67 20.2 14.6 21.8

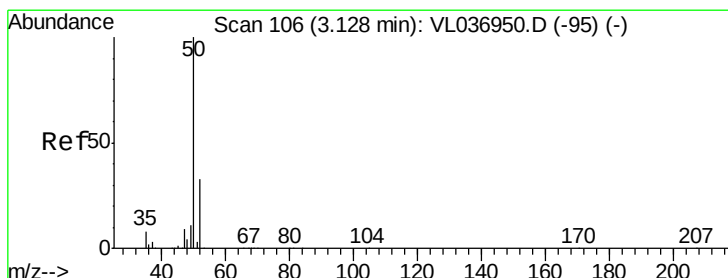
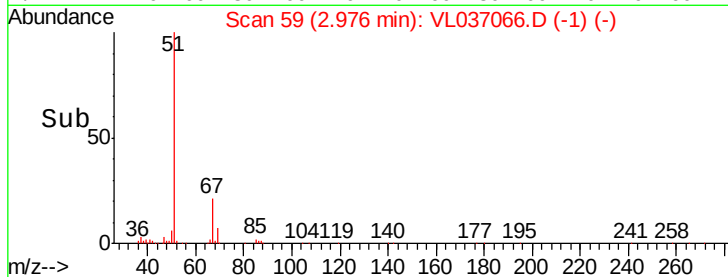
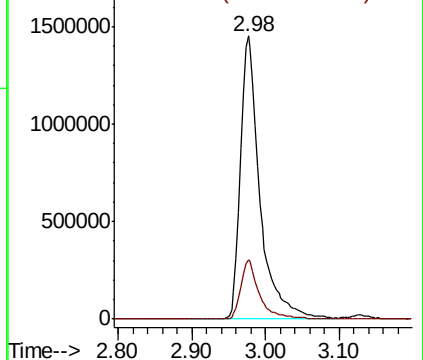
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.521 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL037066.D

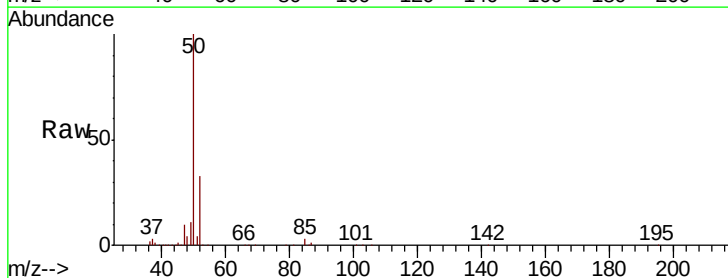
Acq: 1 Jun 2021 11:33

Tgt Ion: 50 Resp: 897407

Ion Ratio Lower Upper

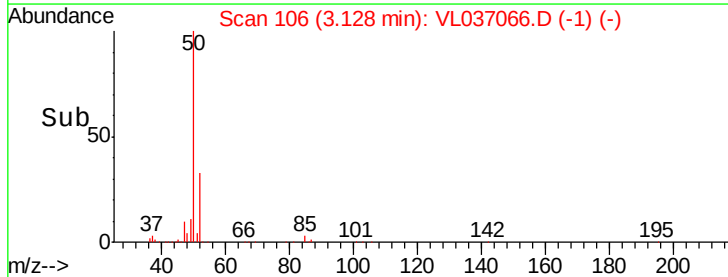
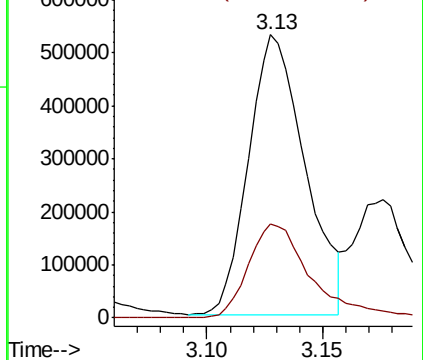
50 100

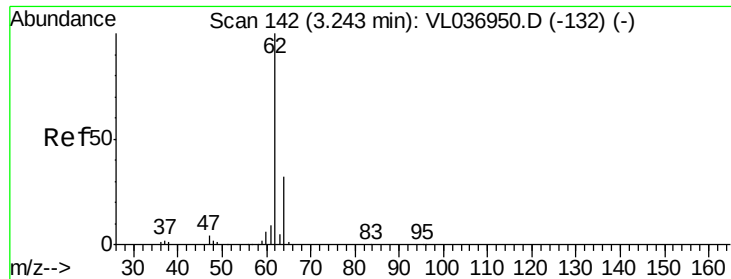
52 33.3 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.631 ppbv

RT: 3.25 min Scan# 143

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 62 Resp: 991171

Ion Ratio Lower Upper

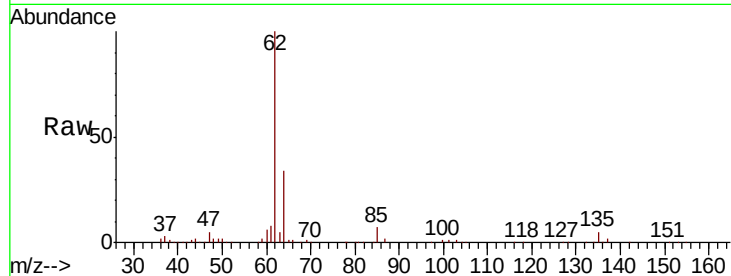
62 100

64 33.6 25.9 38.9

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

600000

500000

400000

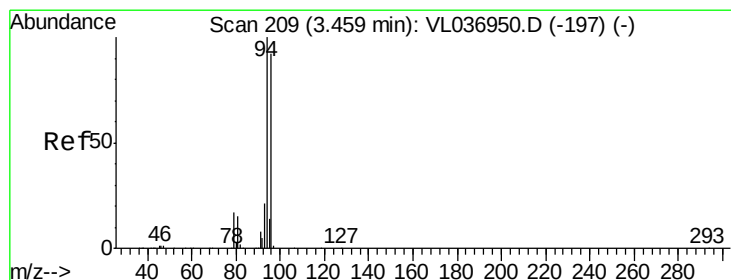
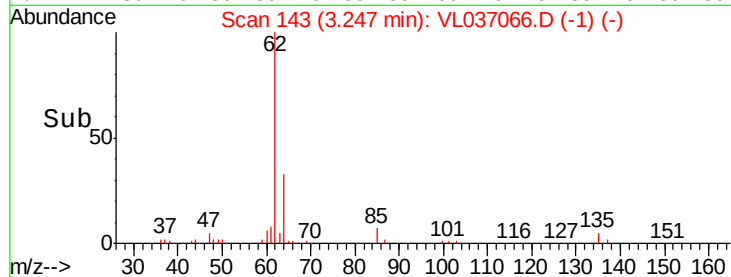
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.986 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL037066.D

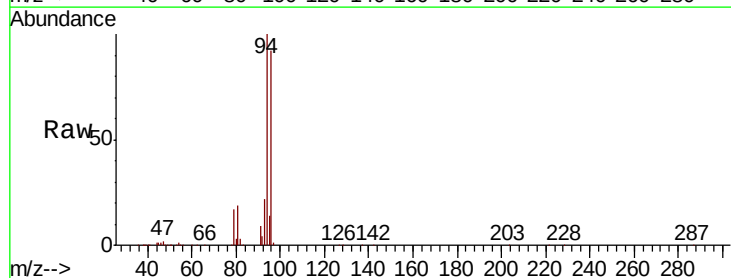
Acq: 1 Jun 2021 11:33

Tgt Ion: 94 Resp: 539687

Ion Ratio Lower Upper

94 100

96 91.6 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

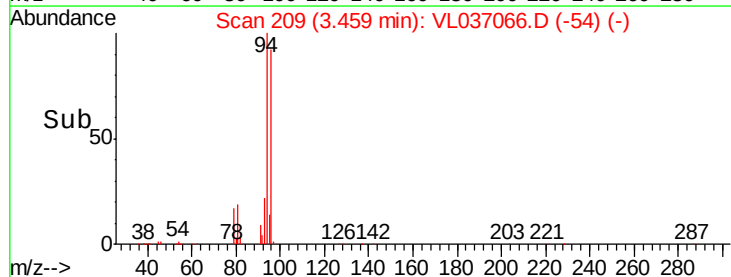
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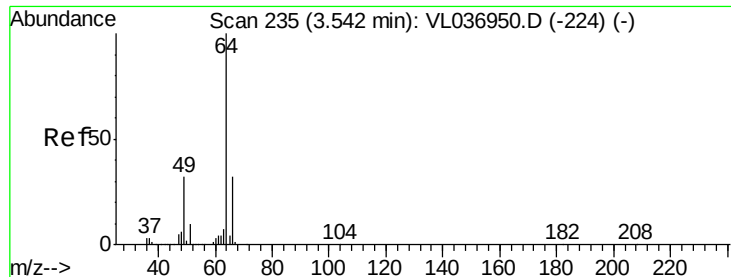
200000

100000

0

Time-->





#7

Chloroethane

Concen: 11.821 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 64 Resp: 357854

Ion Ratio Lower Upper

64 100

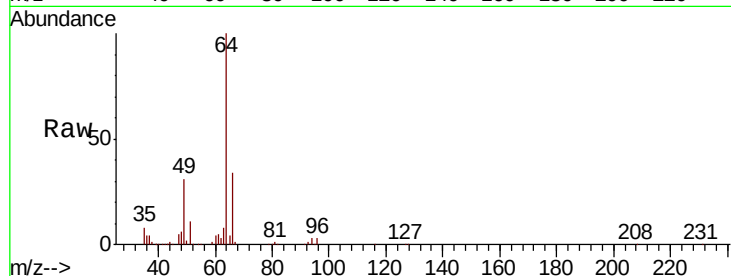
66 34.0 25.4 38.2

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

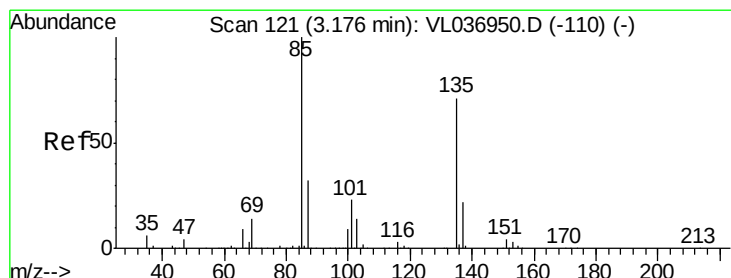
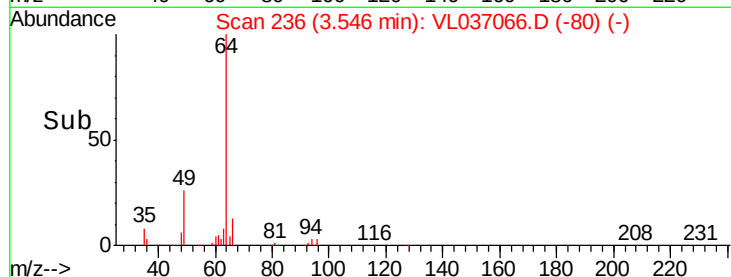
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 11.280 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL037066.D

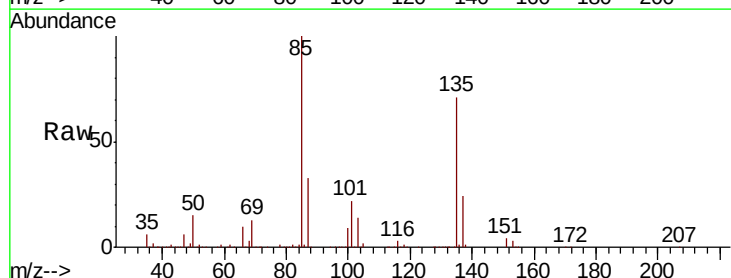
Acq: 1 Jun 2021 11:33

Tgt Ion: 85 Resp: 2458216

Ion Ratio Lower Upper

85 100

135 74.5 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

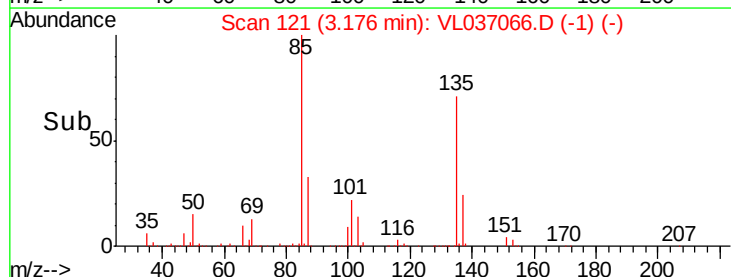
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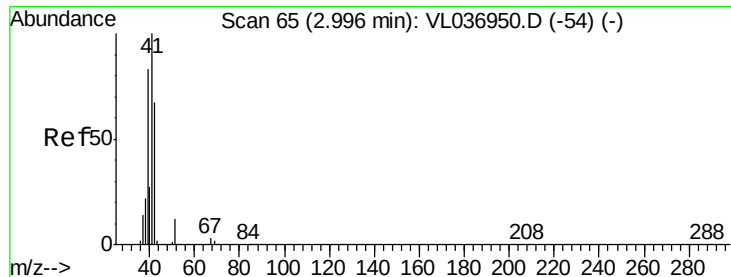
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500000

0

Time-->





#9

Propene

Concen: 9.542 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 41 Resp: 856430

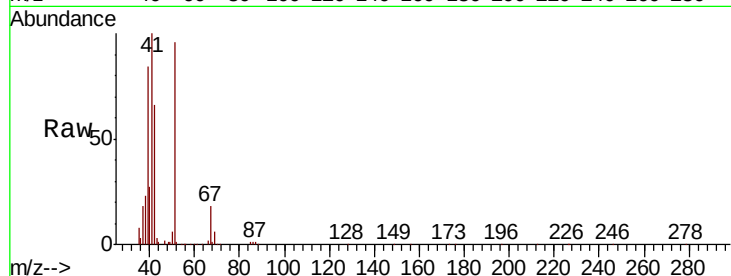
Ion Ratio Lower Upper

41 100

42 68.8 53.9 80.9

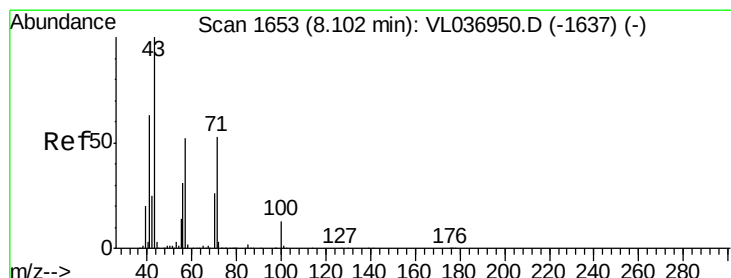
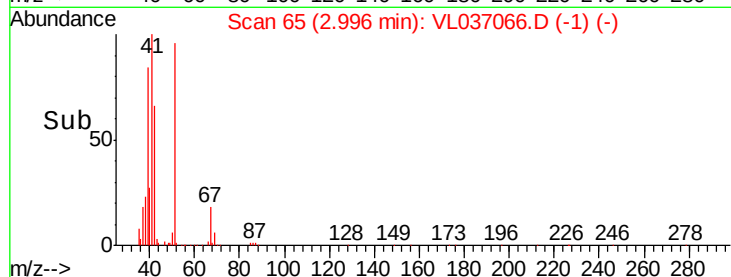
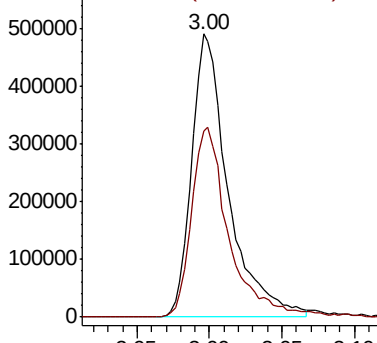
Manual Integrations
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.861 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL037066.D

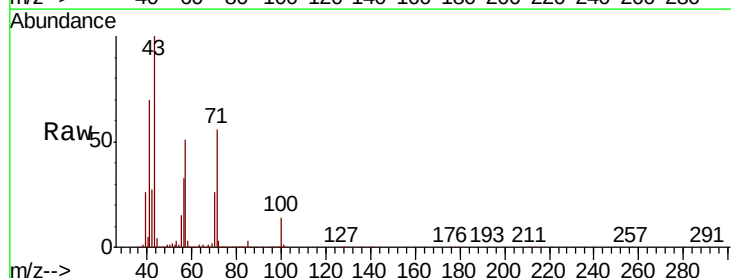
Acq: 1 Jun 2021 11:33

Tgt Ion: 43 Resp: 2205722

Ion Ratio Lower Upper

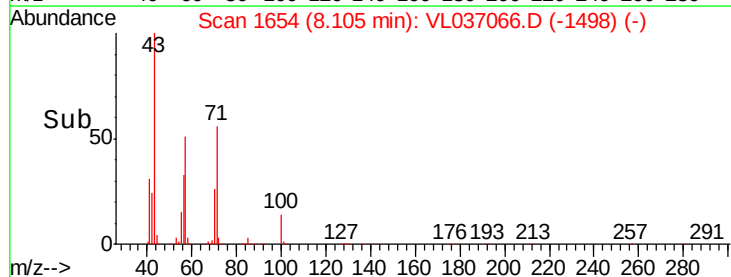
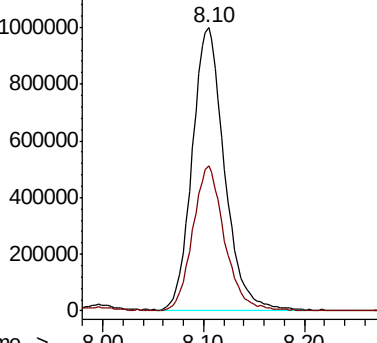
43 100

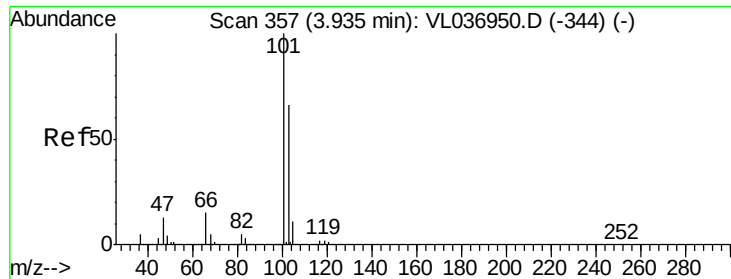
57 51.2 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





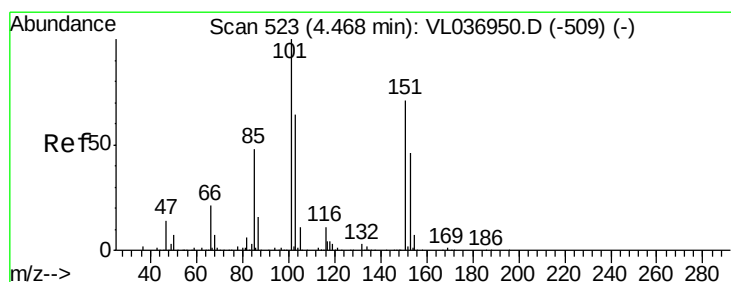
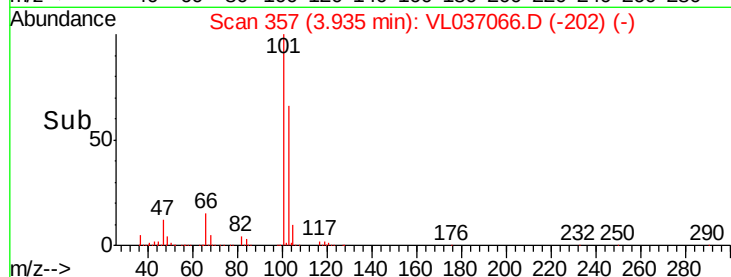
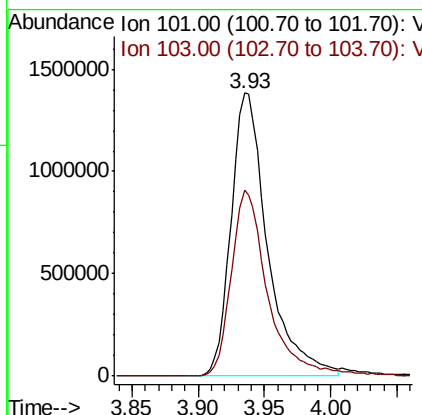
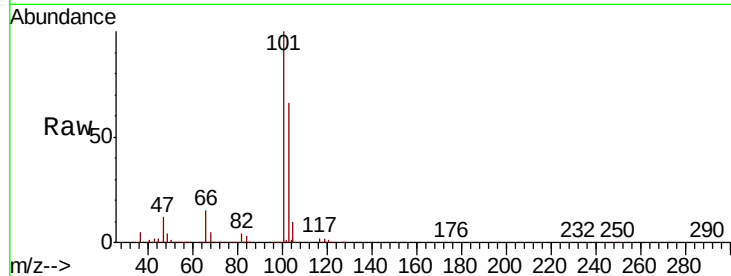
#11
 Trichlorofluoromethane
 Concen: 12.360 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion:101 Resp: 2655447
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.6 79.0

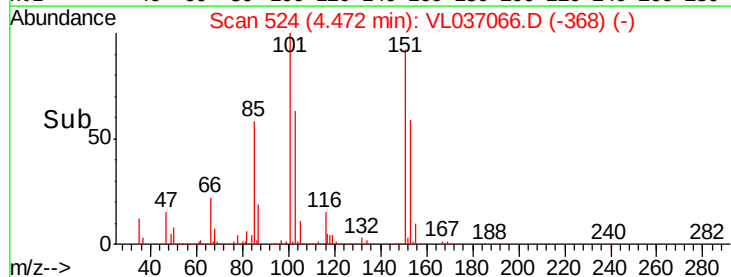
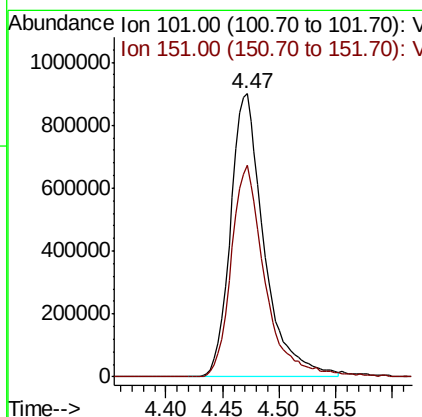
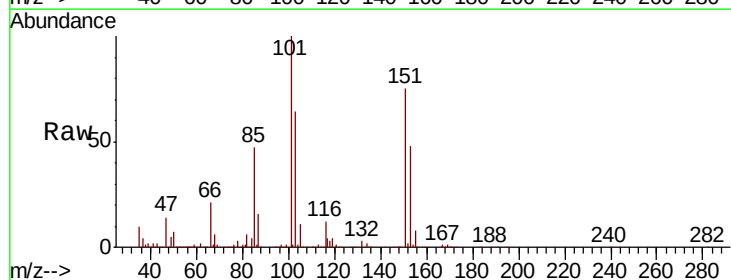
Manual Integrations
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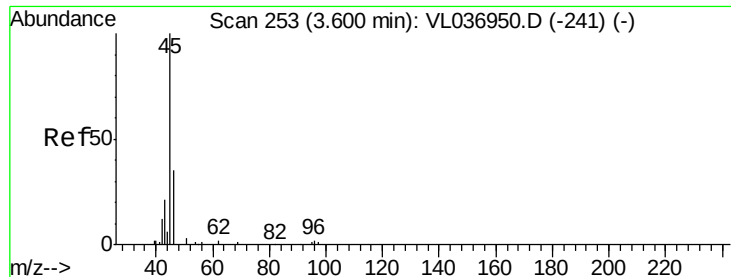
MMDadoda
 6/7/2021 2:58:20 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.157 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion:101 Resp: 1860410
 Ion Ratio Lower Upper
 101 100
 151 75.5 57.7 86.5





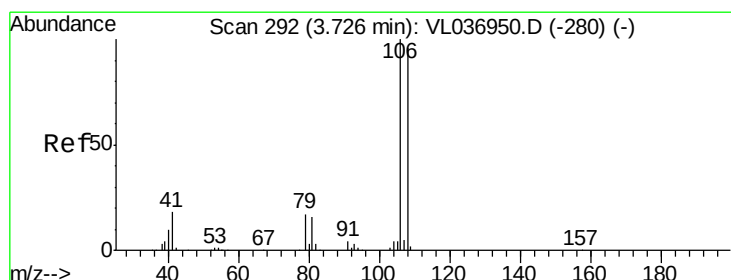
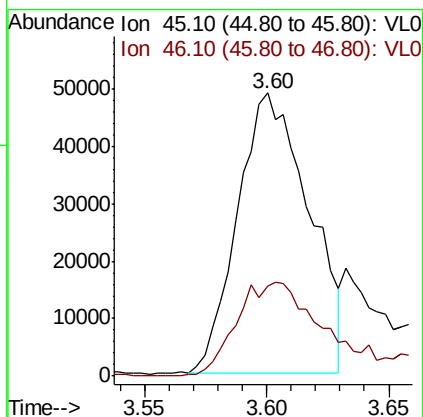
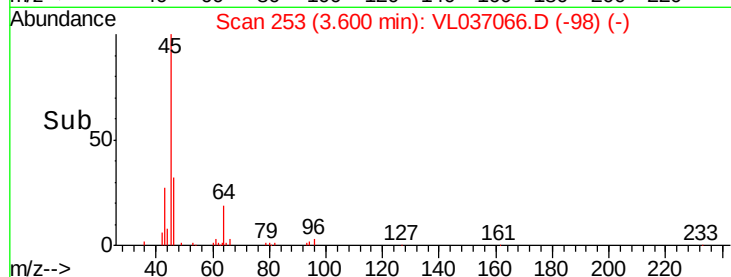
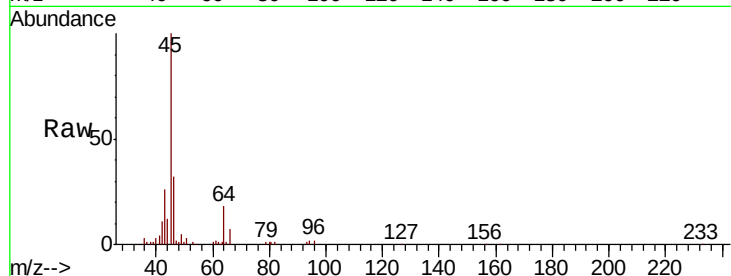
#13
Ethanol
Concen: 8.255 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion	45	Resp	98855
Ion Ratio	100	Lower	Upper
46	50.9	16.3	65.3

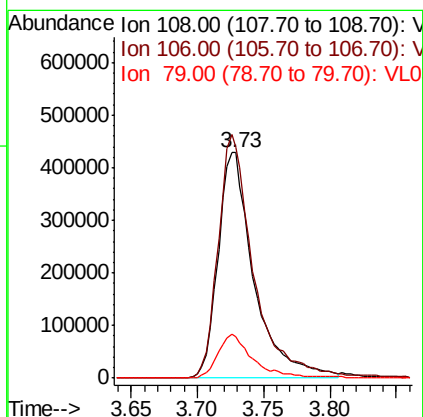
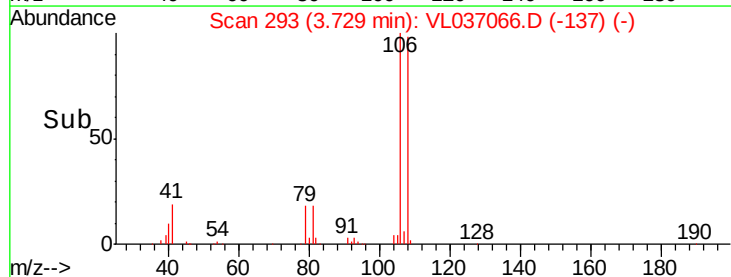
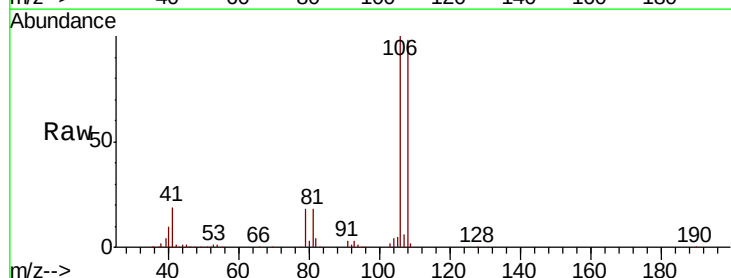
Manual Integrations
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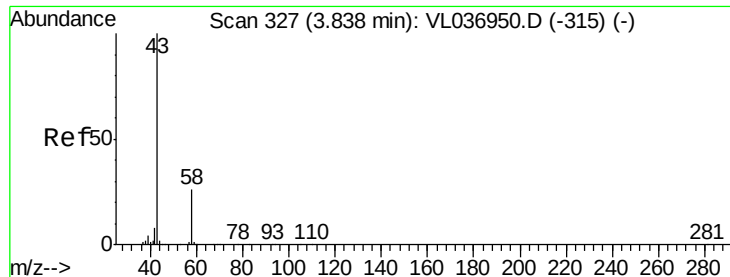
MMDadoda
6/7/2021 2:58:20 PM



#14
Bromoethene
Concen: 11.955 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion	108	Resp	805815
Ion Ratio	100	Lower	Upper
106	108.3	86.5	129.7
79	19.8	15.0	22.4





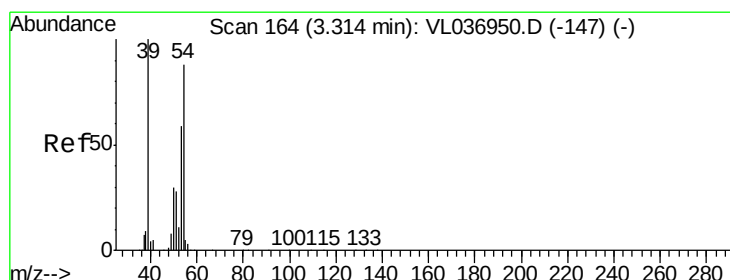
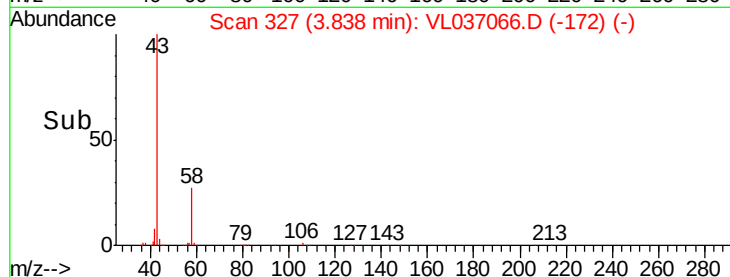
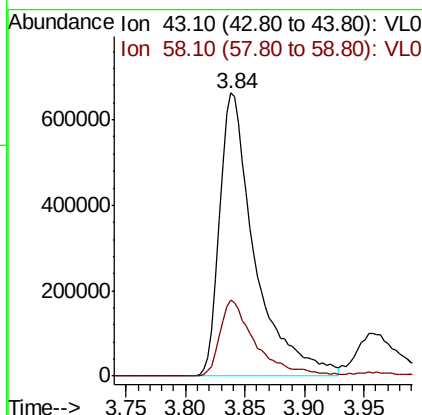
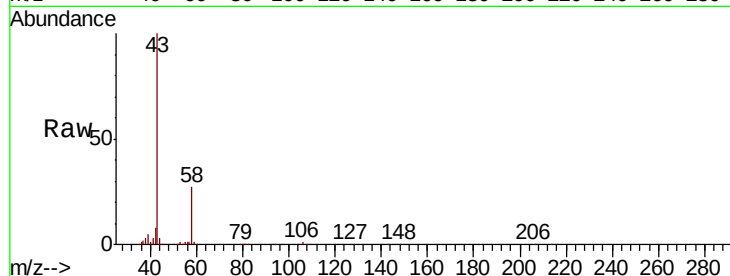
#15
Acetone
Concen: 9.726 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion: 43 Resp: 1362982
Ion Ratio Lower Upper
43 100
58 27.3 24.0 36.0

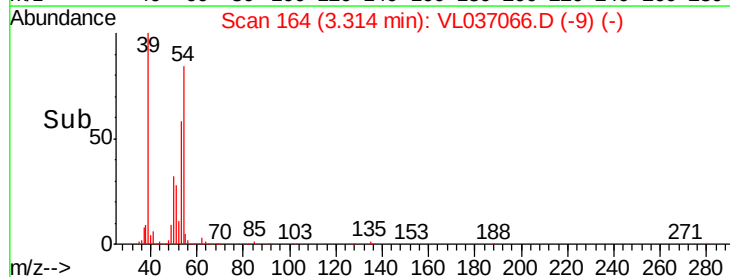
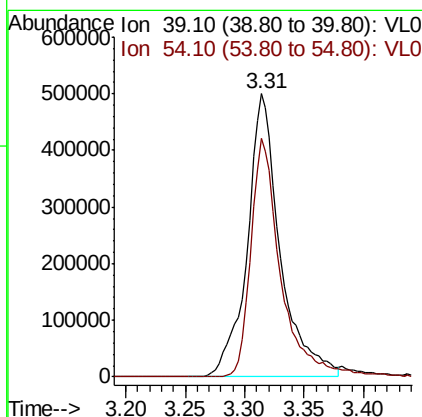
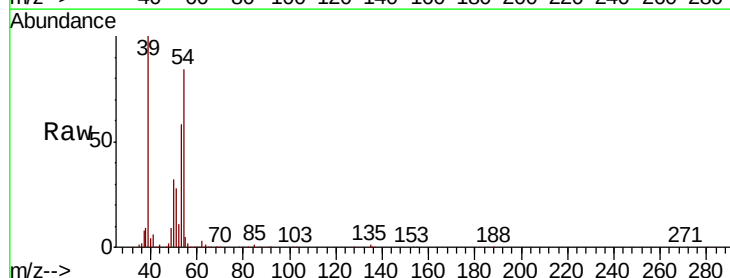
Manual Integrations
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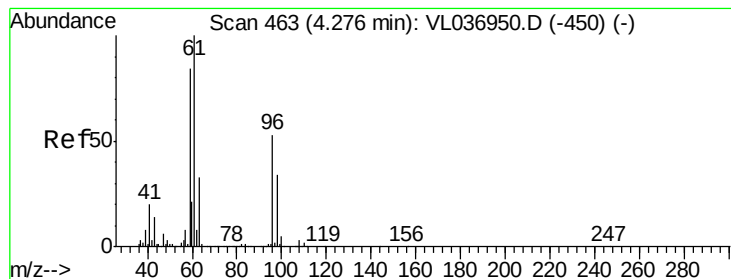
MMDadoda
6/7/2021 2:58:20 PM



#16
1,3-Butadiene
Concen: 11.020 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion: 39 Resp: 959449
Ion Ratio Lower Upper
39 100
54 77.3 63.2 94.8





#17

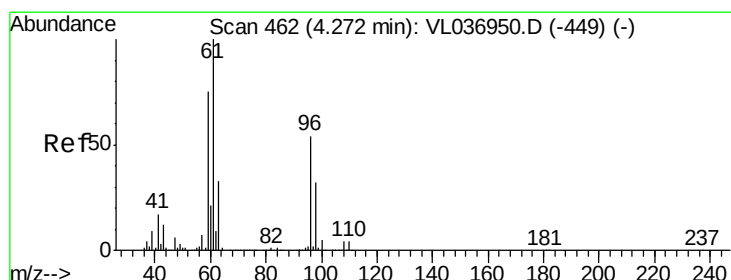
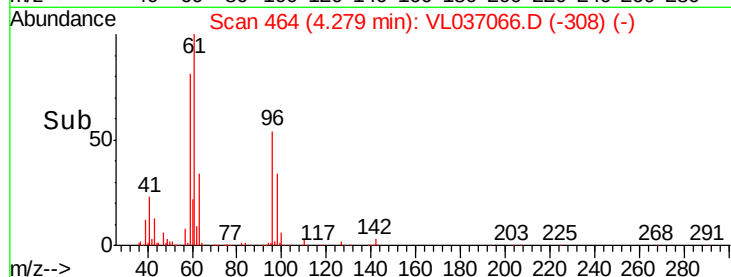
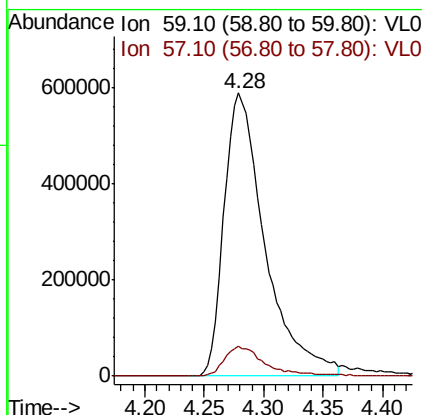
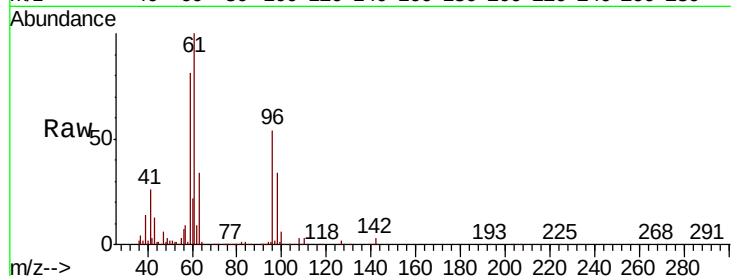
tert-Butyl alcohol
 Concen: 10.968 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion: 59 Resp: 1407876
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.3 12.5

Manual Integrations
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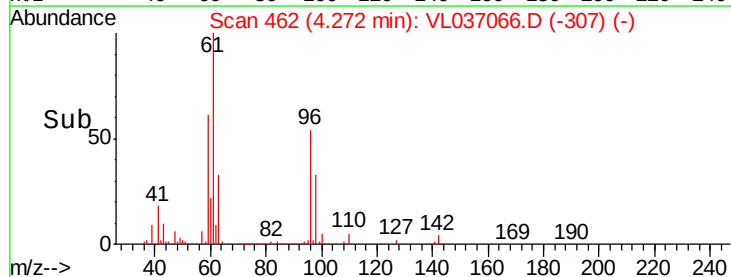
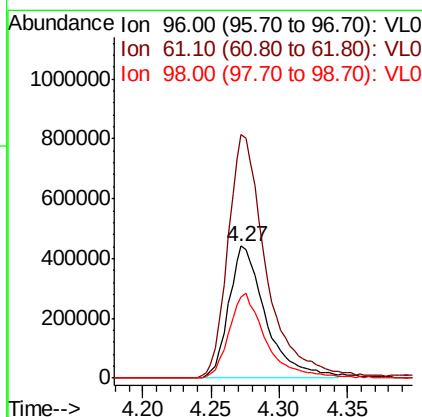
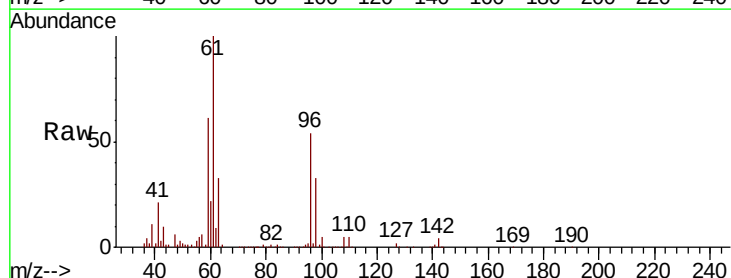
MMDadoda
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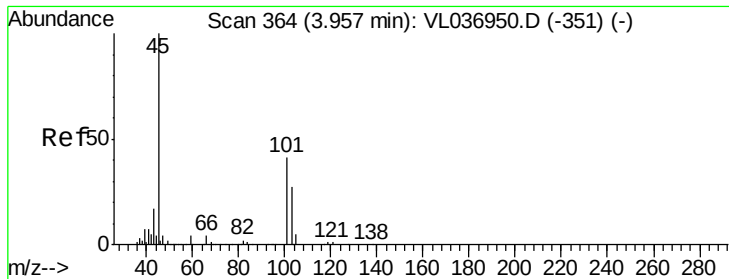


#18

1,1-Dichloroethene
 Concen: 11.790 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion: 96 Resp: 834255
 Ion Ratio Lower Upper
 96 100
 61 184.9 148.2 222.4
 98 61.3 47.8 71.6





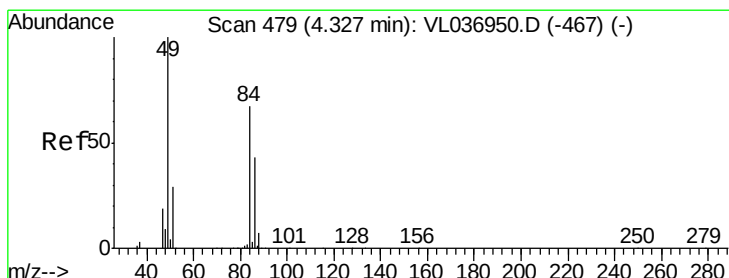
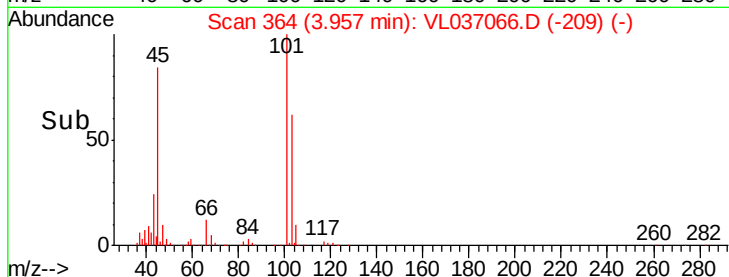
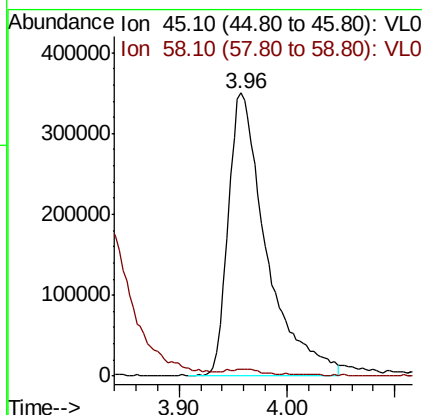
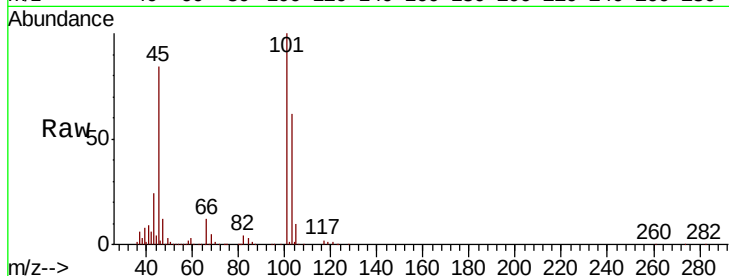
#19
Isopropyl Alcohol
Concen: 11.451 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion: 45 Resp: 862592
Ion Ratio Lower Upper
45 100
58 2.8 37.2 55.8#

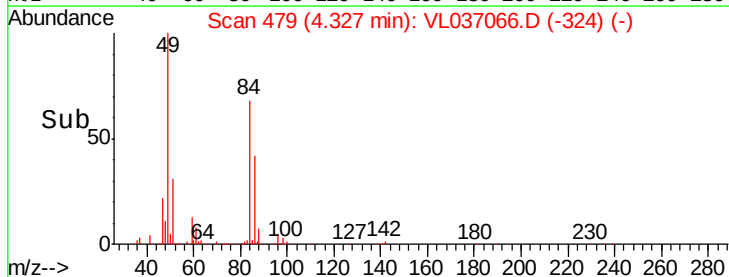
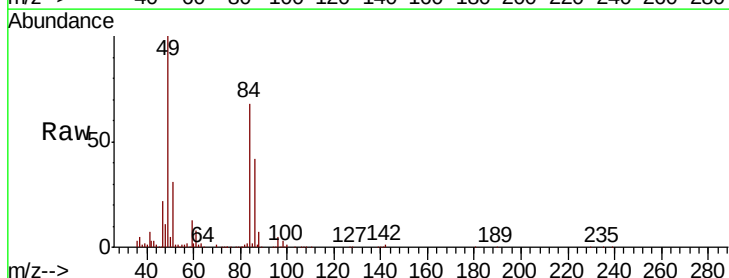
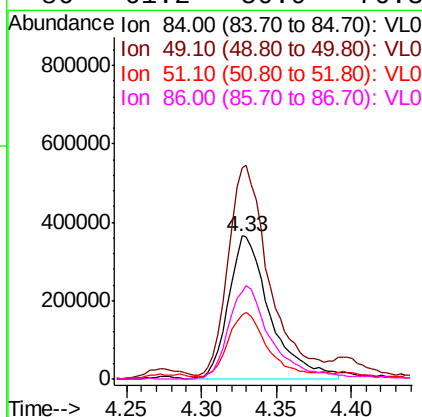
Manual Integrations
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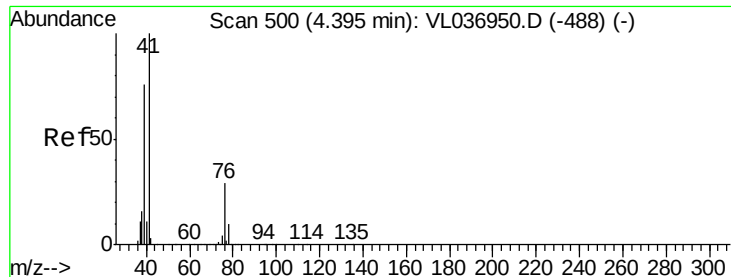
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#20
Methylene Chloride
Concen: 9.313 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion: 84 Resp: 699587
Ion Ratio Lower Upper
84 100
49 144.4 119.8 179.6
51 43.4 35.1 52.7
86 61.2 50.9 76.3





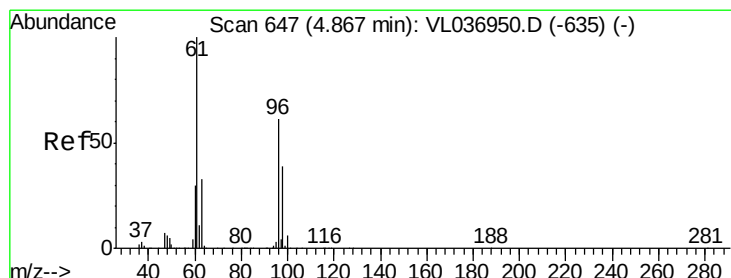
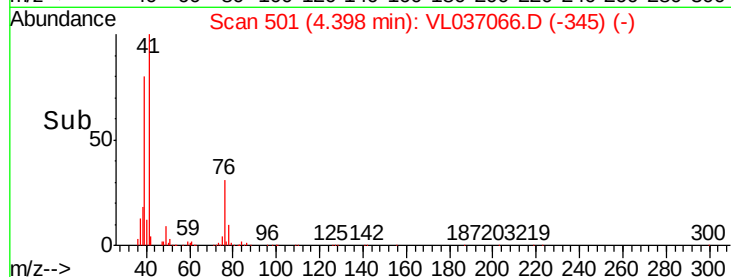
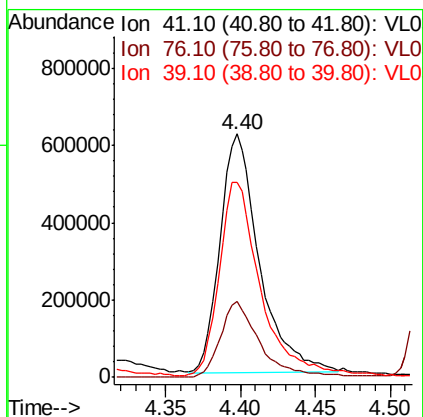
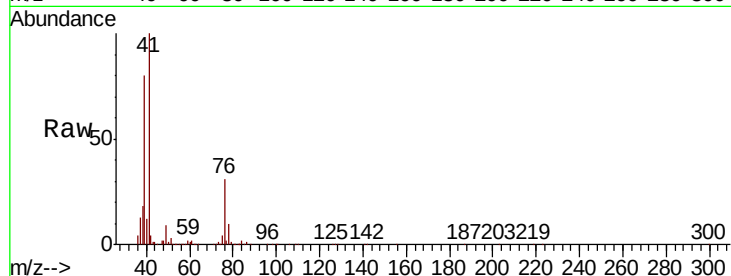
#21
Allvl Chloride
Concen: 10.757 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.2	24.9	37.3
39	84.9	63.7	95.5

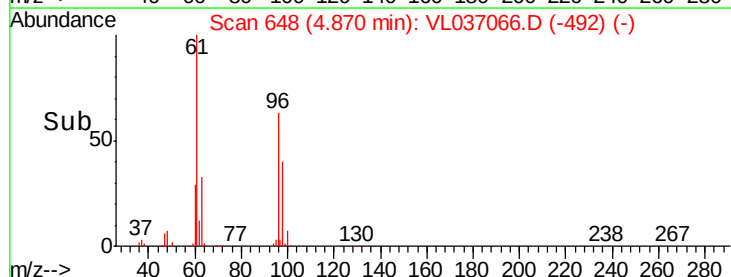
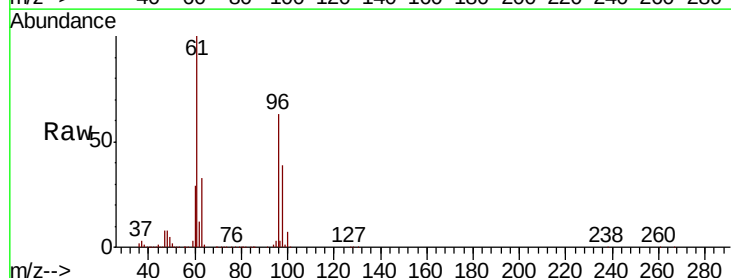
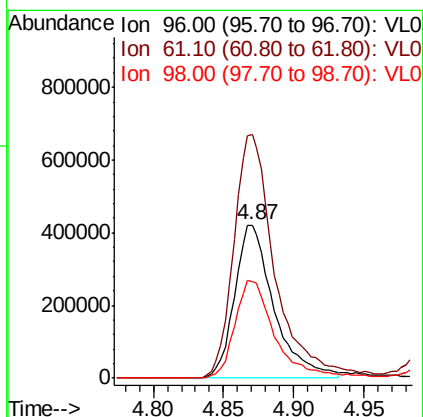
Manual Integrations
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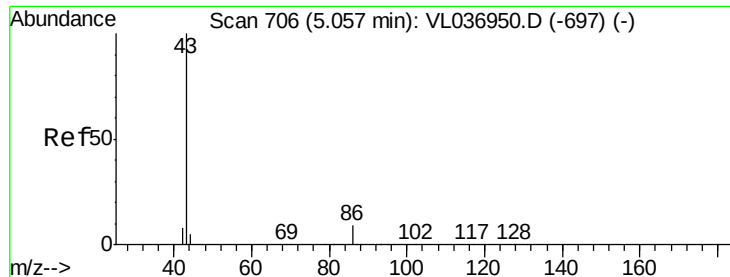
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 12.133 ppbv
RT: 4.87 min Scan# 648
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	130.6	196.0
98	62.8	50.8	76.2





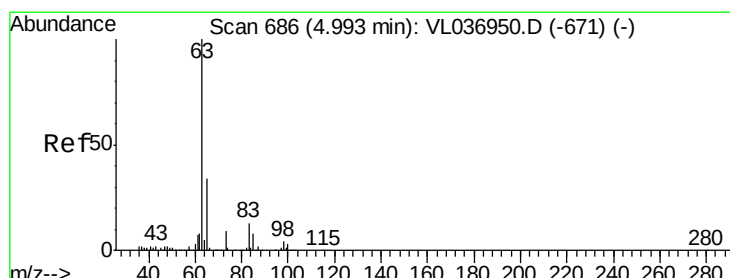
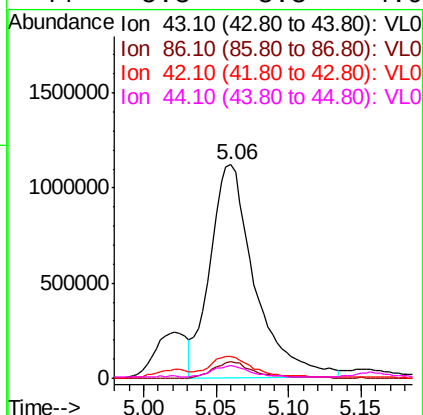
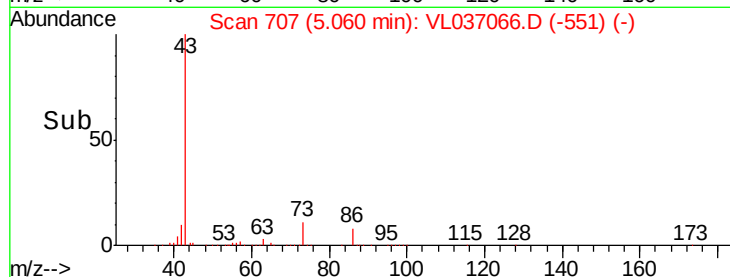
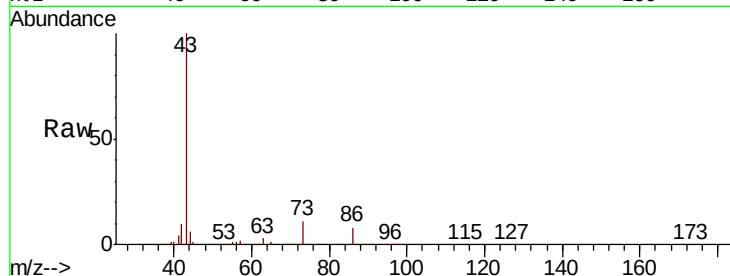
#23
 Vinyl Acetate
 Concen: 10.720 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion	43	Resp	2384537
Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.8	8.8
42	10.1	7.4	11.2
44	5.3	3.3	4.9#

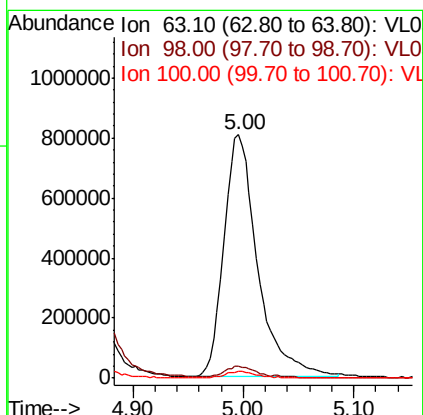
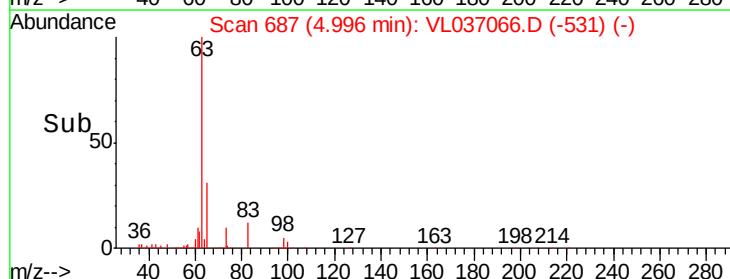
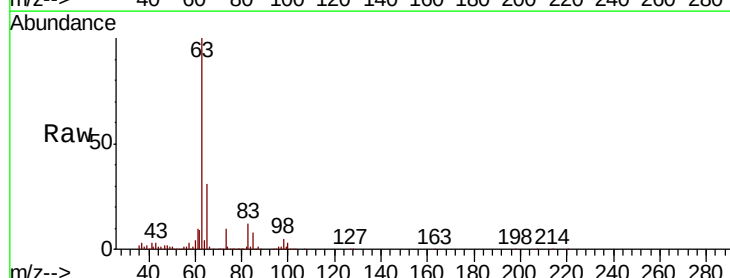
Manual Integrations
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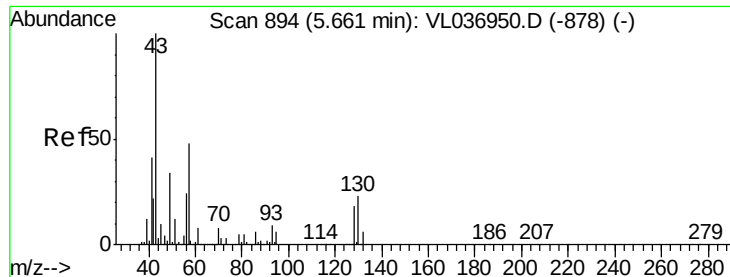
MMDadoda
 6/7/2021 2:58:20 PM



#24
 1,1-Dichloroethane
 Concen: 10.774 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion	63	Resp	1724996
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.9
100	3.0	1.4	4.0





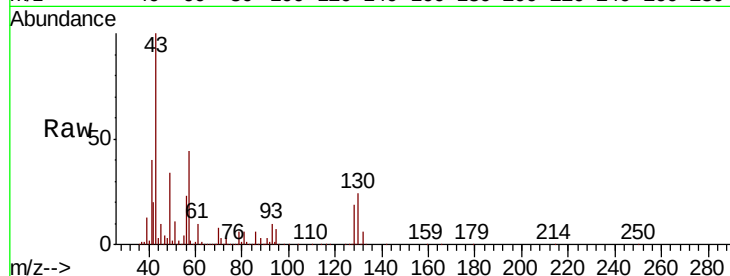
#25
Ethyl Acetate
Concen: 10.126 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.9	7.8	11.8	
61	9.5	7.8	11.8	
70	6.8	5.6	8.4	

Manual Integrations
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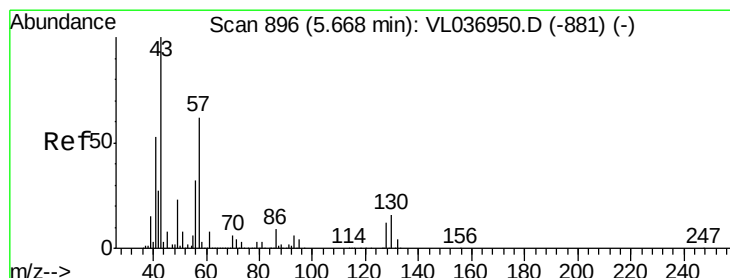
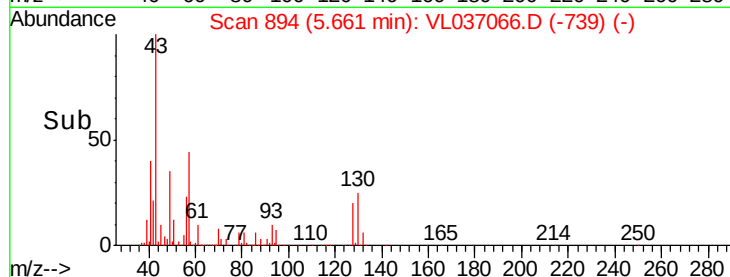
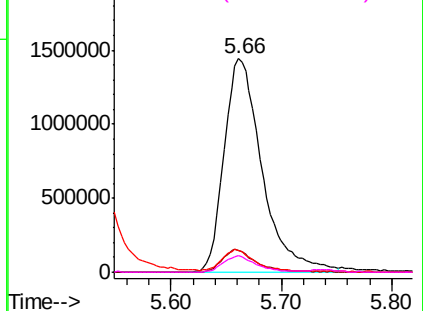
Abundance

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: 9.682 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	93.5	70.5	105.7	
43	210.2	165.8	248.8	
56	53.4	42.2	63.4	

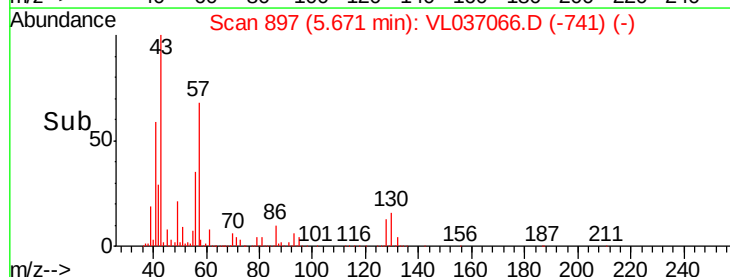
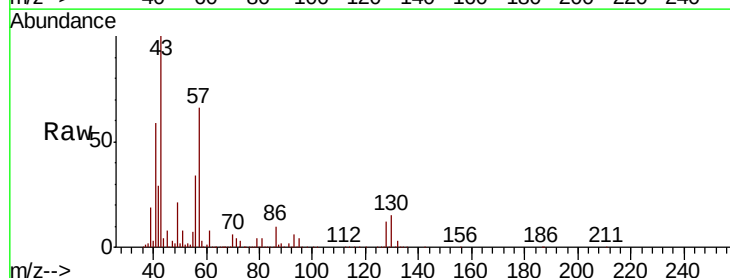
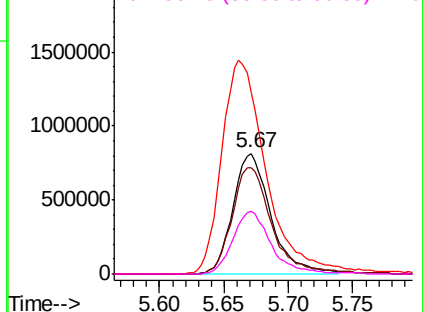
Abundance

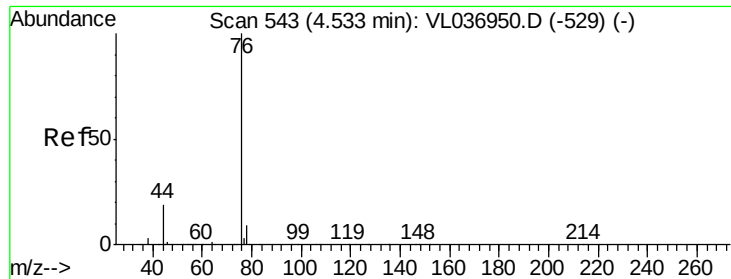
Ion 57.10 (56.80 to 57.80): VL0

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: 11.439 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 76 Resp: 1983340

Ion Ratio Lower Upper

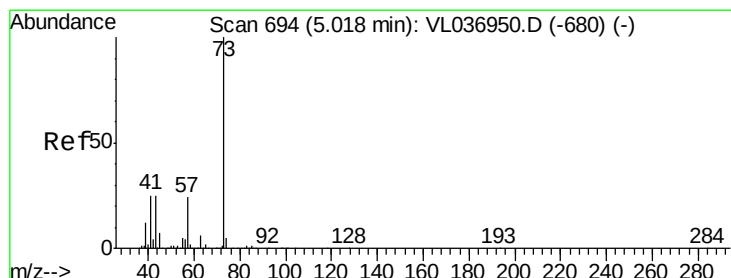
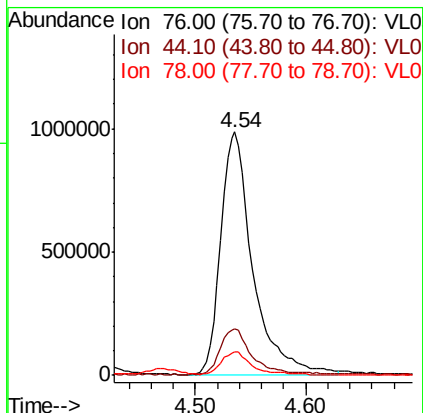
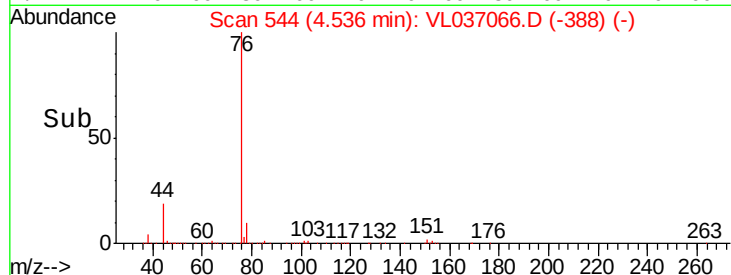
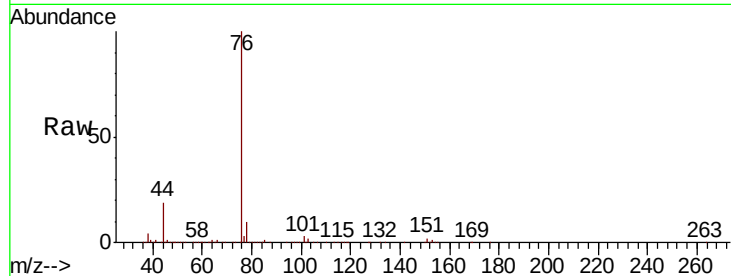
76 100

44 19.2 15.5 23.3

78 9.9 7.8 11.6

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 9.944 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL037066.D

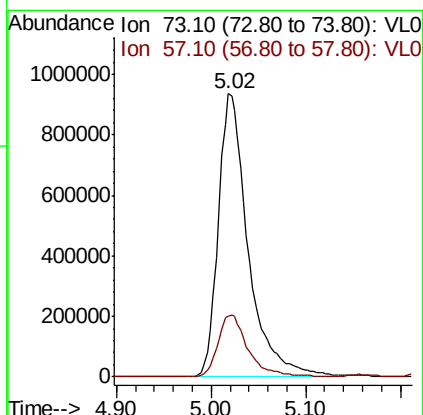
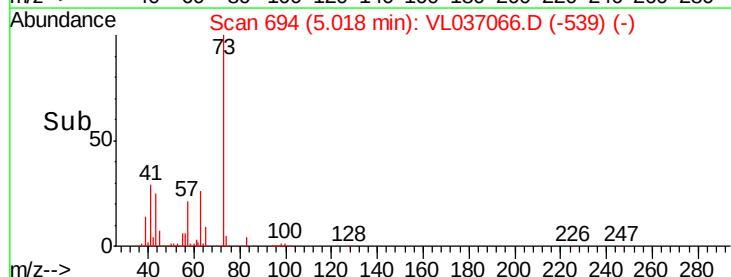
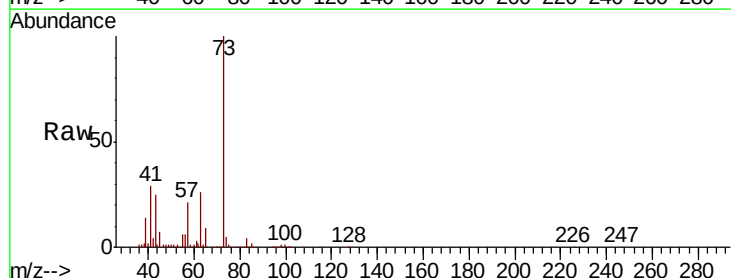
Acq: 1 Jun 2021 11:33

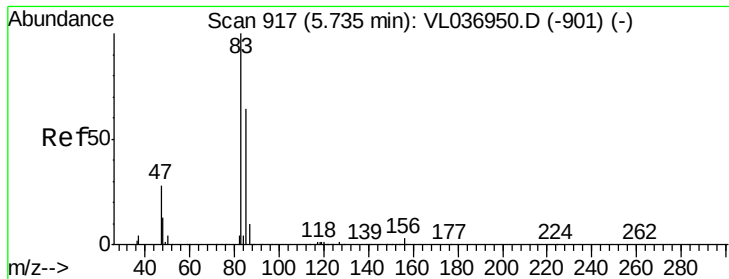
Tgt Ion: 73 Resp: 2050464

Ion Ratio Lower Upper

73 100

57 22.2 18.3 27.5





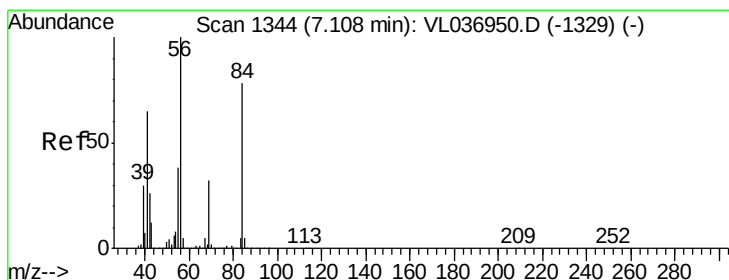
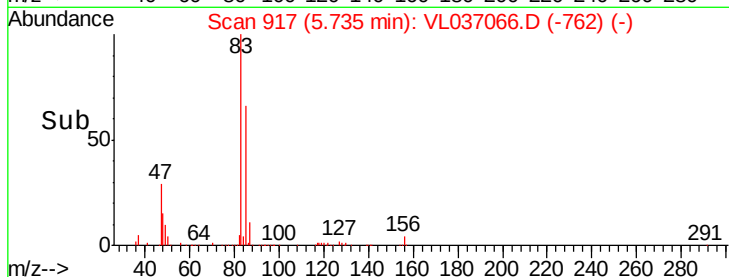
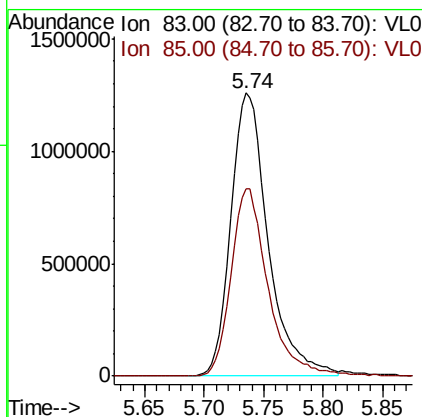
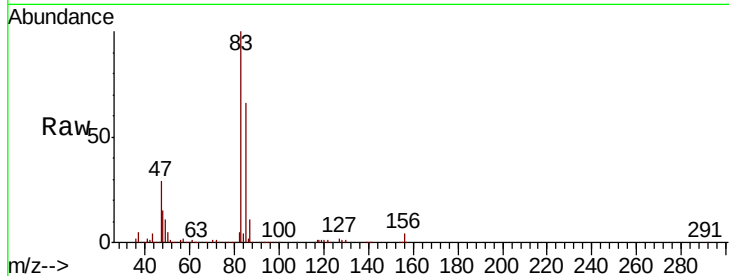
#29
Chloroform
Concen: 11.263 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion: 83 Resp: 2737306
Ion Ratio Lower Upper
83 100
85 66.0 51.1 76.7

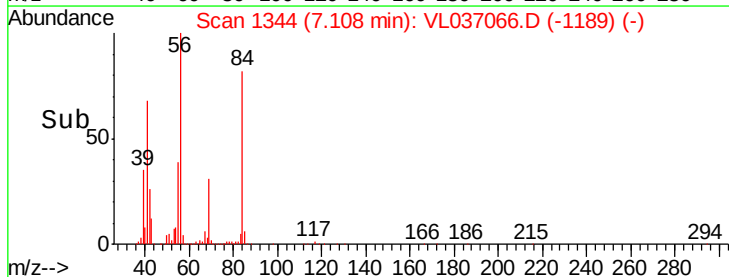
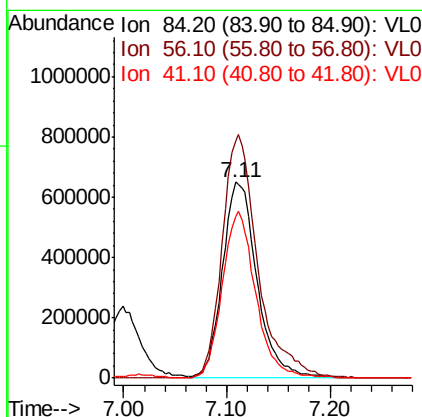
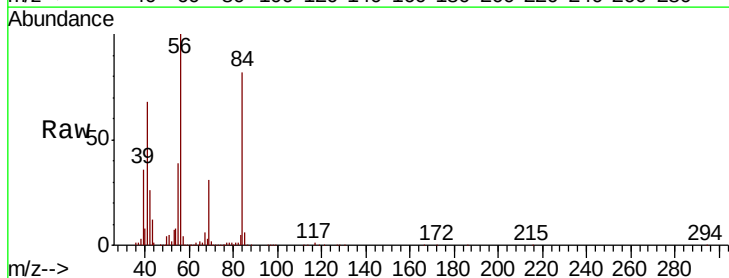
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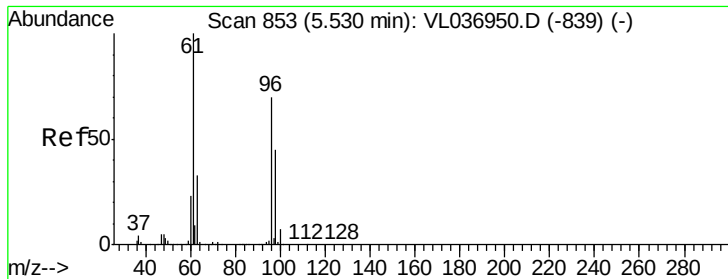
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#30
Cyclohexane
Concen: 10.285 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion: 84 Resp: 1503584
Ion Ratio Lower Upper
84 100
56 130.1 107.9 161.9
41 83.3 65.5 98.3





#31

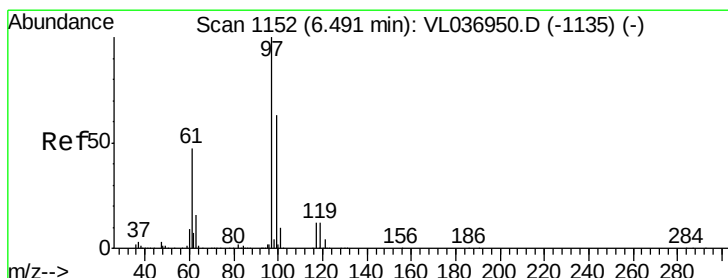
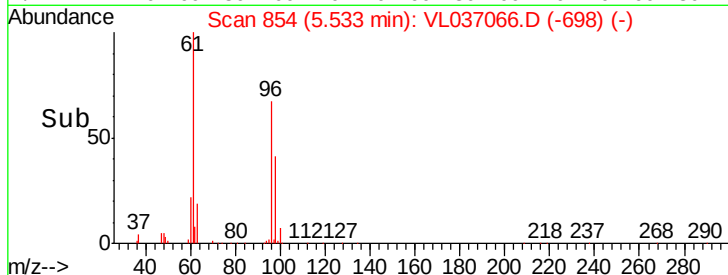
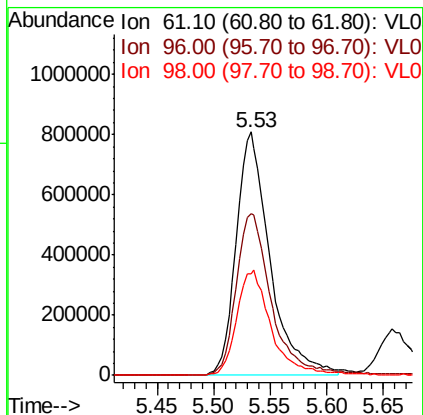
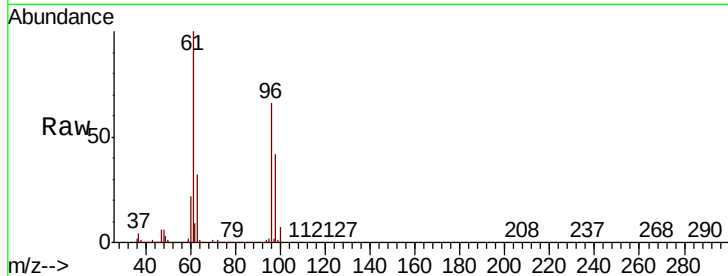
cis-1,2-Dichloroethene
Concen: 10.897 ppbv
RT: 5.53 min Scan# 854
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.0	55.9	83.9
98	41.7	35.6	53.4

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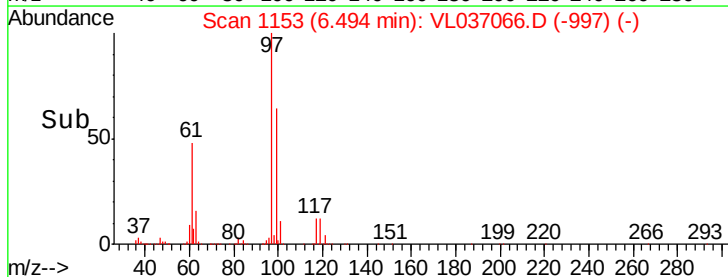
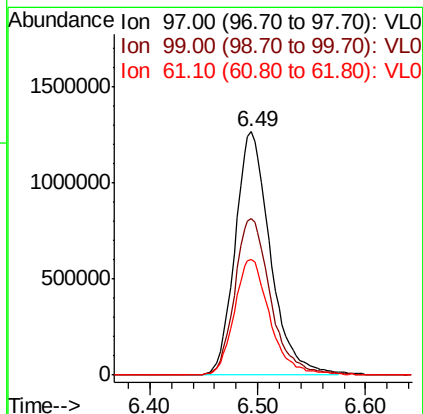
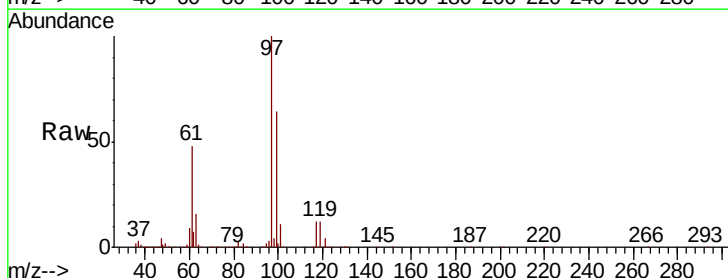
MMDadoda
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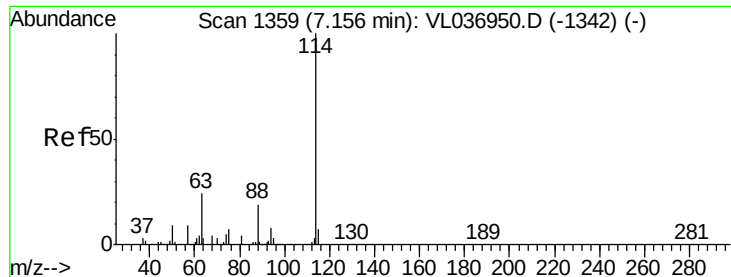


#32

1,1,1-Trichloroethane
Concen: 11.022 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.9	77.9
61	48.1	37.6	56.4





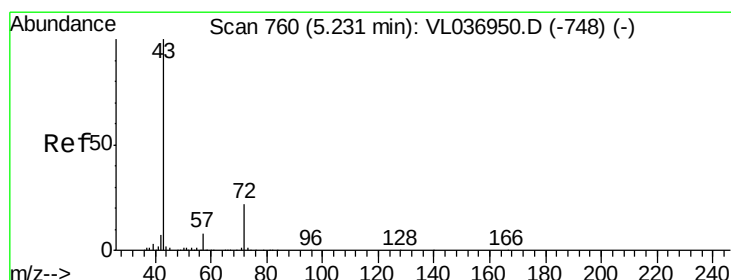
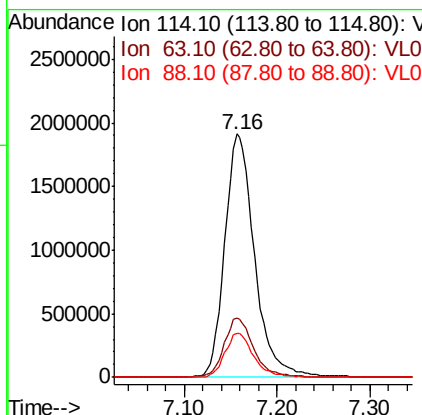
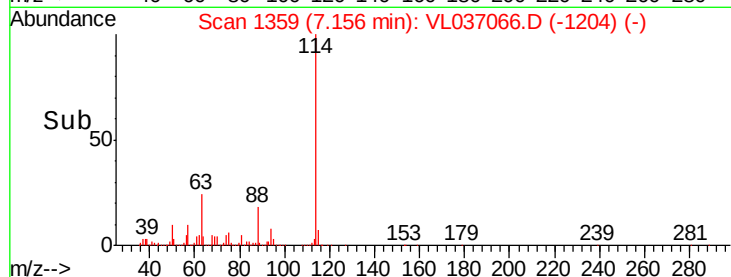
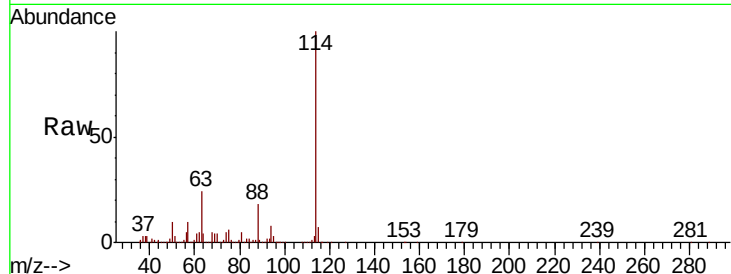
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion:114 Resp: 4252626
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.6 29.4
 88 17.6 14.6 21.8

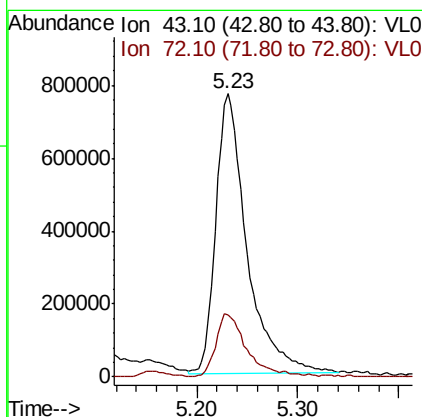
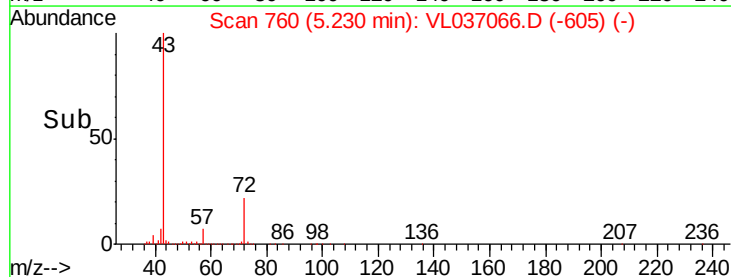
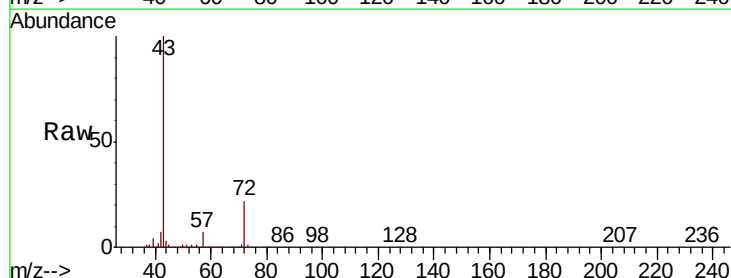
Manual Integrations
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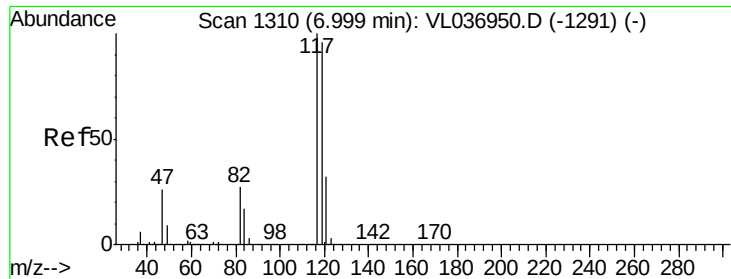
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#34
 2-Butanone
 Concen: 10.593 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion: 43 Resp: 1640382
 Ion Ratio Lower Upper
 43 100
 72 23.0 19.0 28.4





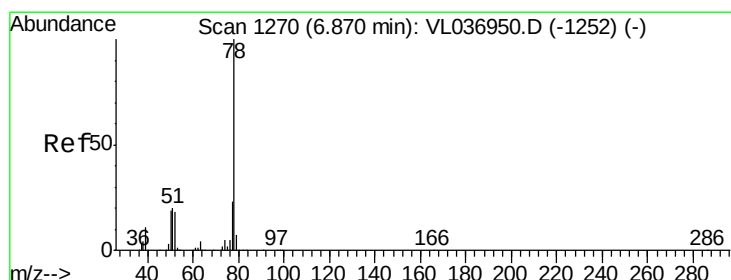
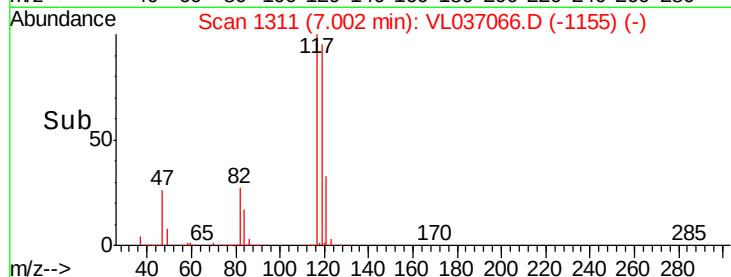
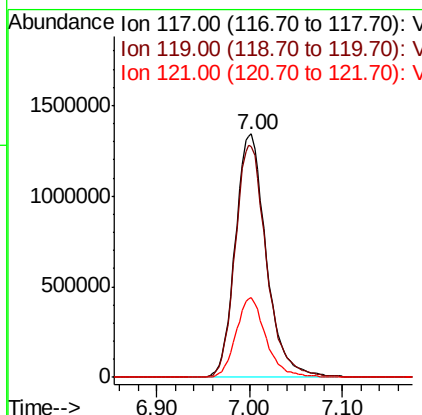
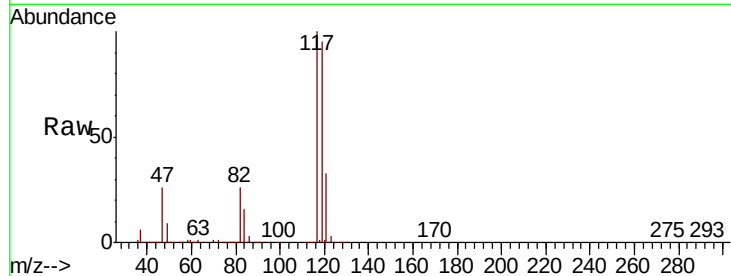
#35
Carbon Tetrachloride
Concen: 10.995 ppbv
RT: 7.00 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.6	114.8
121	32.8	25.8	38.6

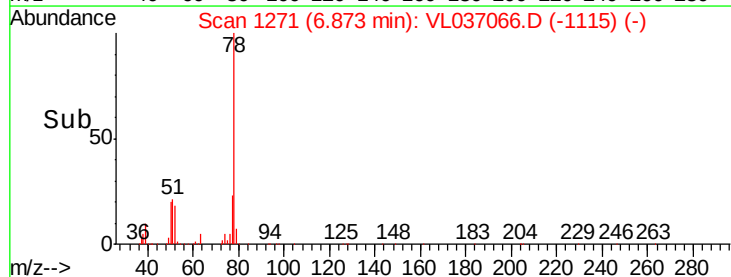
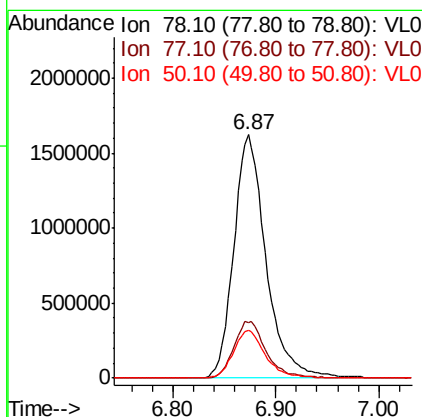
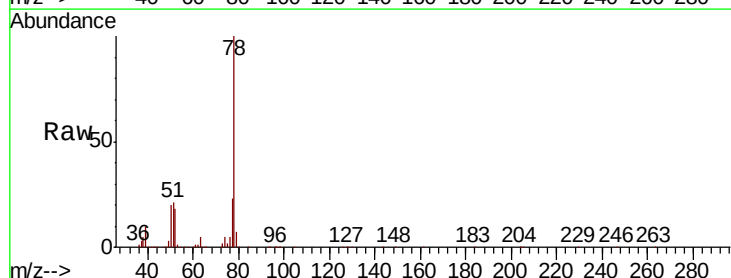
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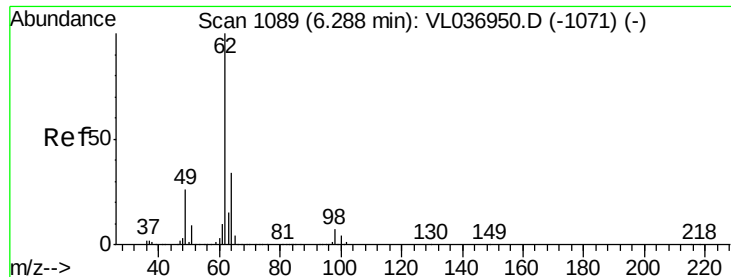
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#36
Benzene
Concen: 9.592 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.6	28.0
50	19.8	15.0	22.4





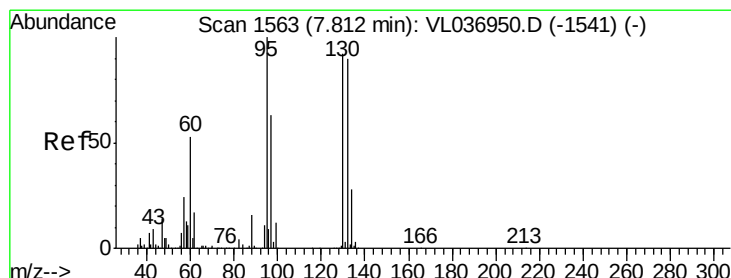
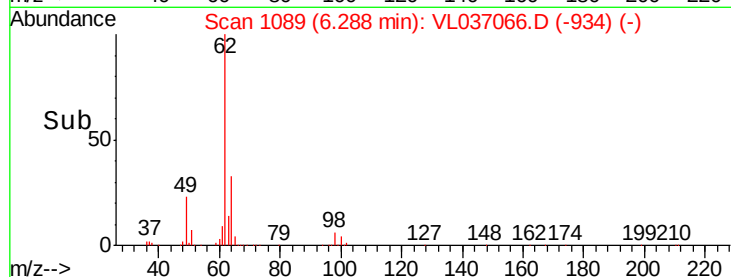
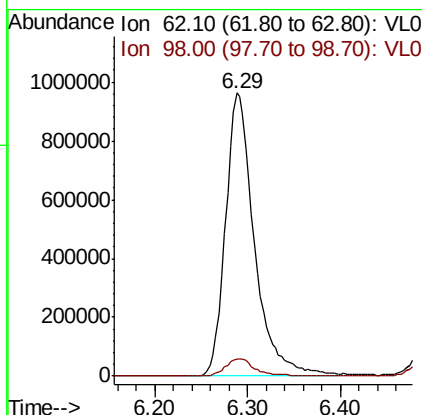
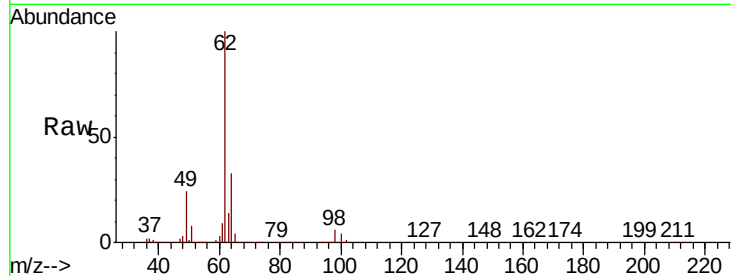
#37
 1,2-Dichloroethane
 Concen: 11.452 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion: 62 Resp: 2079838
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.5 8.3

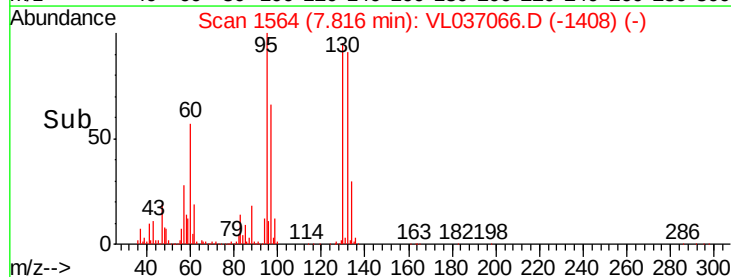
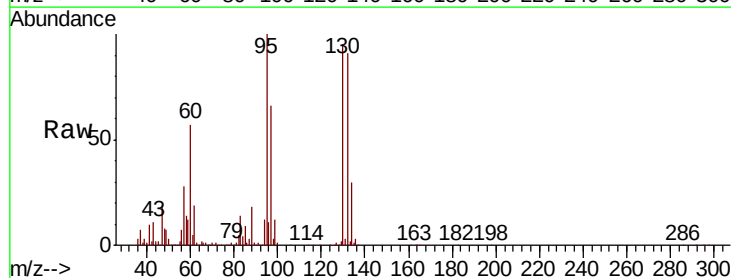
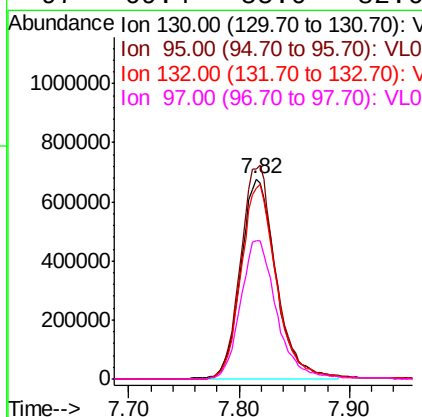
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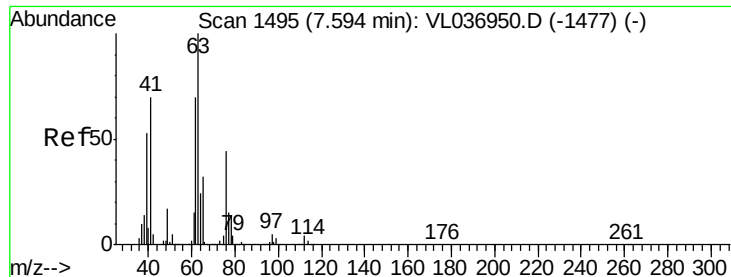
MMDadoda
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#38
 Trichloroethene
 Concen: 9.543 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion:130 Resp: 1495370
 Ion Ratio Lower Upper
 130 100
 95 105.1 86.9 130.3
 132 95.6 78.4 117.6
 97 69.4 55.0 82.6





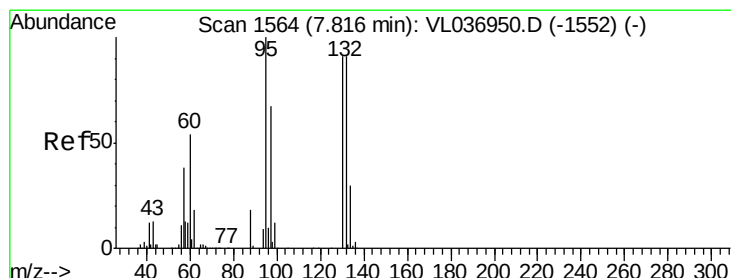
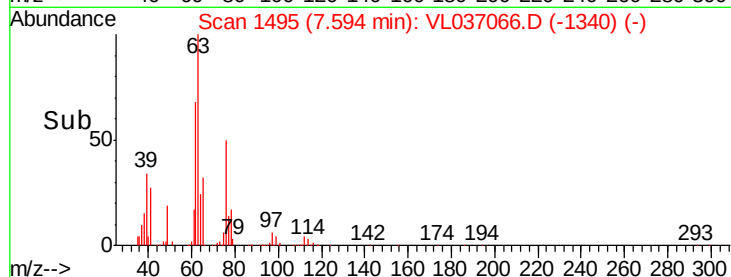
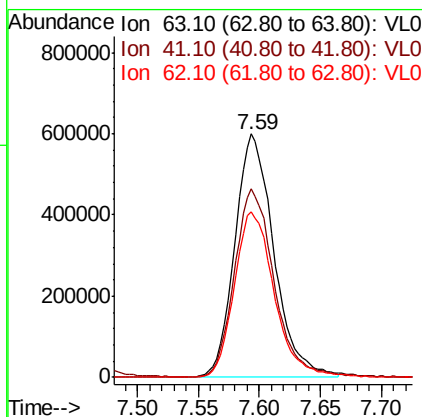
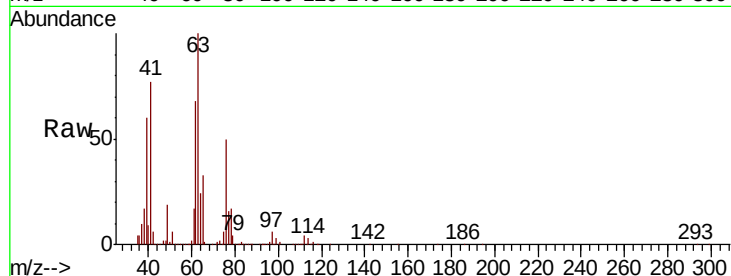
#39
 1,2-Dichloropropane
 Concen: 9.401 ppbv
 RT: 7.59 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	77.2	55.7	83.5
62	67.8	56.2	84.4

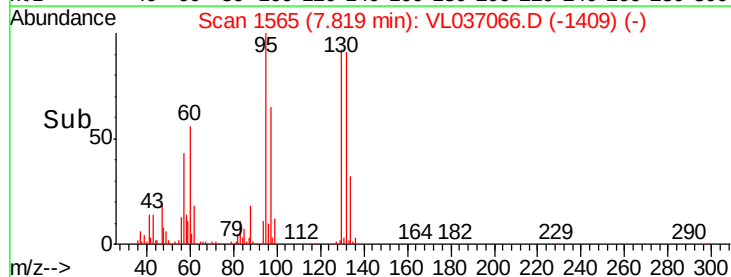
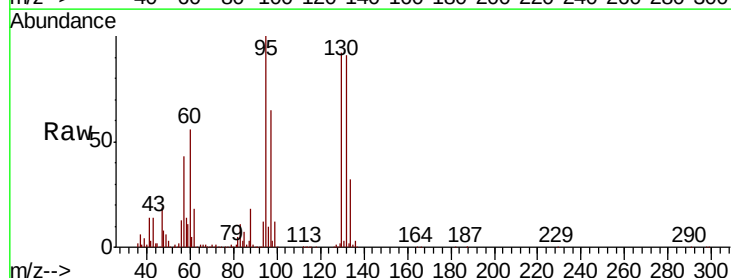
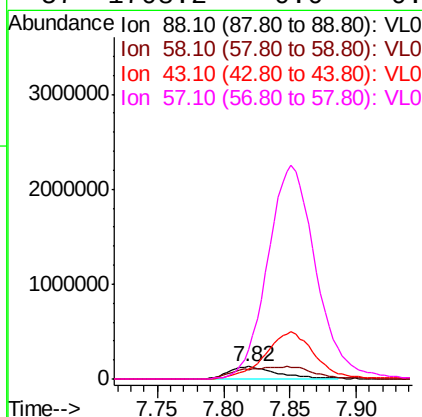
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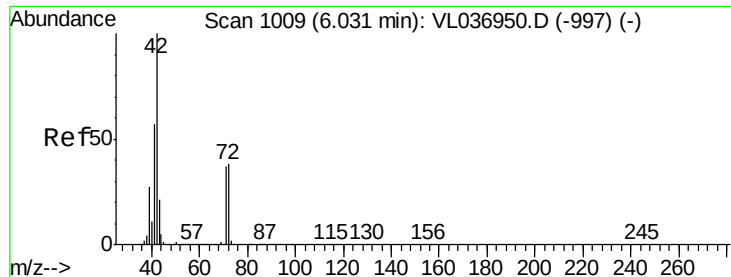
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#40
 1,4-Dioxane
 Concen: 10.121 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion	Ratio	Lower	Upper
88	100		
58	150.8	0.0	0.0#
43	389.9	0.0	0.0#
57	1708.2	0.0	0.0#





#41

Tetrahydrofuran

Concen: 9.036 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

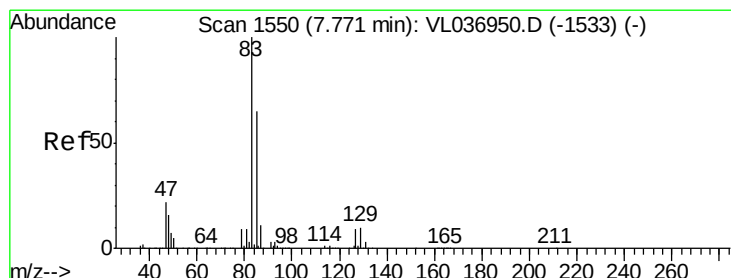
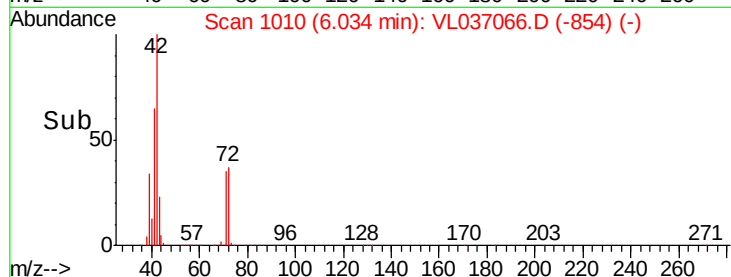
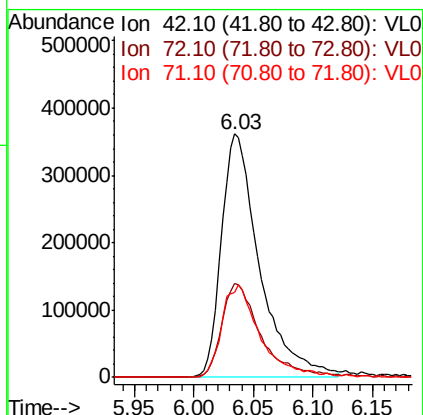
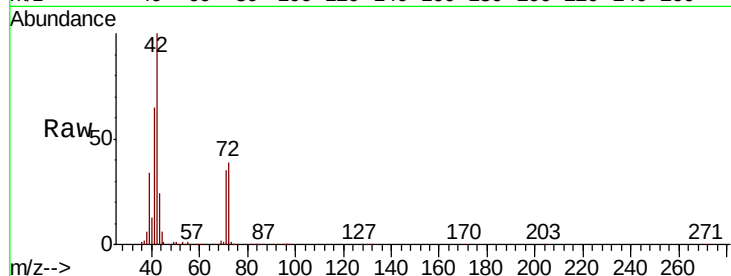
ClientSampleId :

VL0601ABS01

Tot Ion:	42	Resp:	796890
Ion Ratio		Lower	Upper
42	100		
72	40.8	31.4	47.2
71	39.3	30.4	45.6

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#42

Bromodichloromethane

Concen: 11.041 ppbv

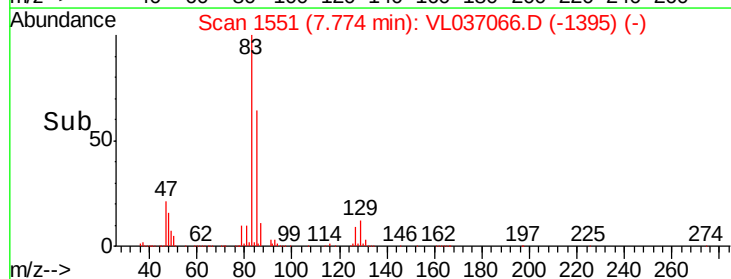
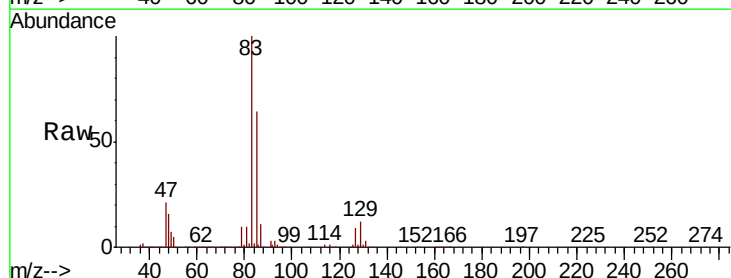
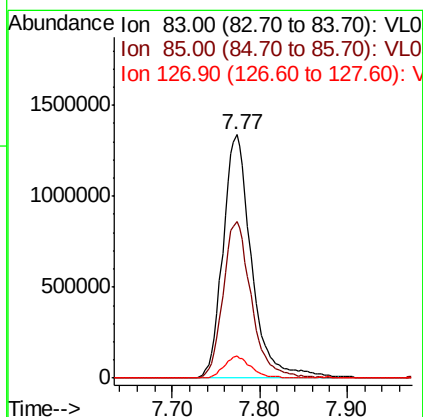
RT: 7.77 min Scan# 1551

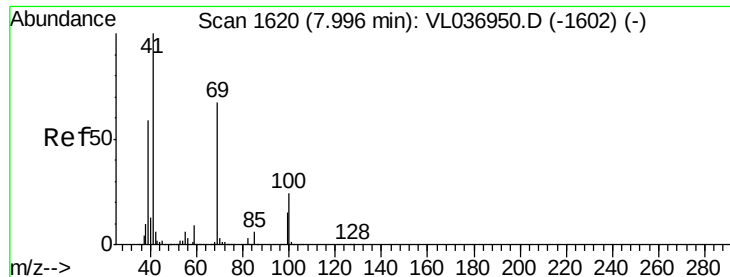
Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Tgt Ion:	83	Resp:	3033373
Ion Ratio		Lower	Upper
83	100		
85	64.2	51.7	77.5
127	9.1	6.9	10.3





#43

Methyl Methacrylate

Concen: 10.131 ppbv

RT: 8.00 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 69 Resp: 1279011

Ion Ratio Lower Upper

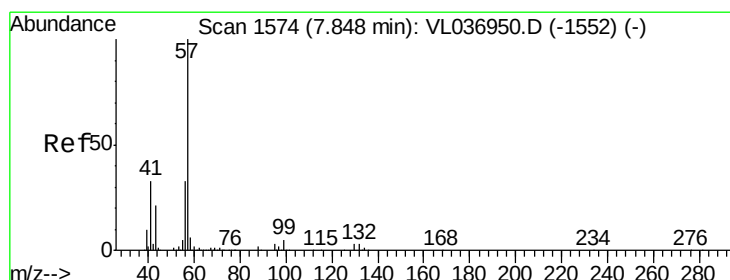
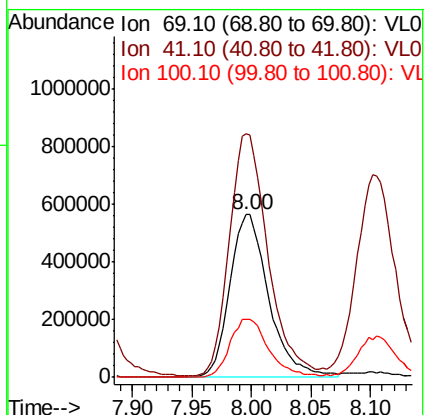
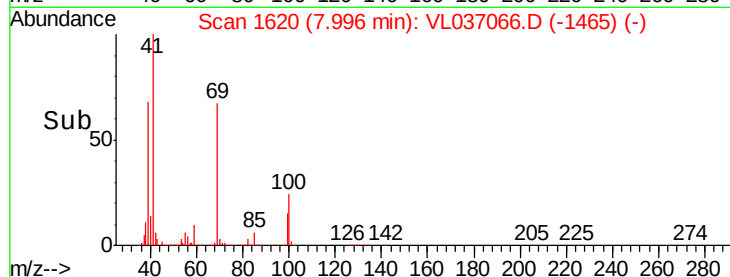
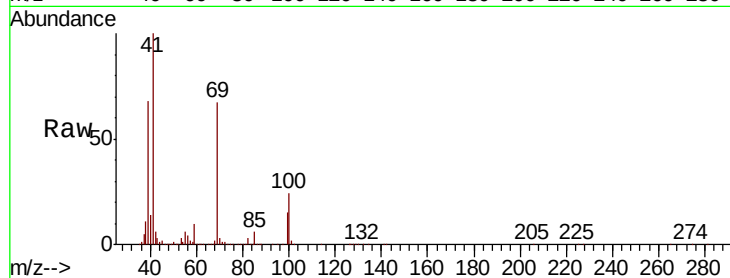
69 100

41 149.1 118.6 178.0

100 35.8 28.2 42.4

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 9.160 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

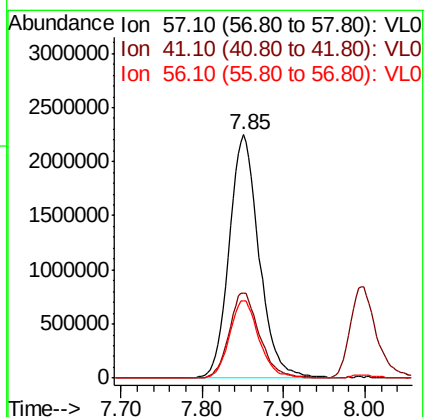
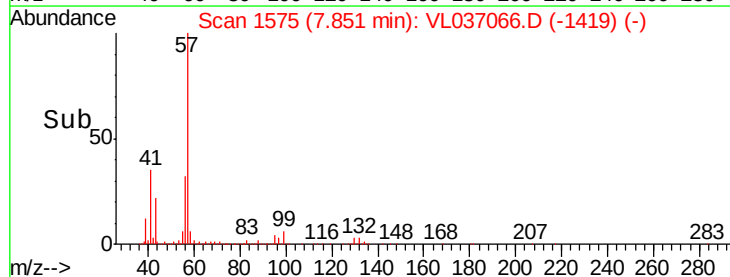
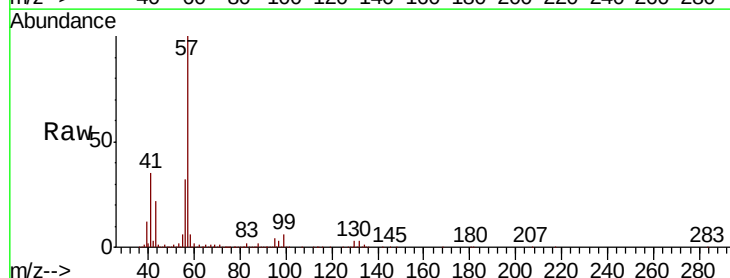
Tgt Ion: 57 Resp: 5756669

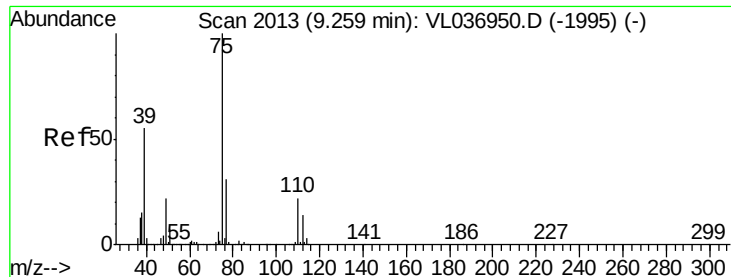
Ion Ratio Lower Upper

57 100

41 35.5 27.0 40.4

56 31.7 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 10.489 ppbv

RT: 9.26 min Scan# 2013

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 75 Resp: 1011736

Ion Ratio Lower Upper

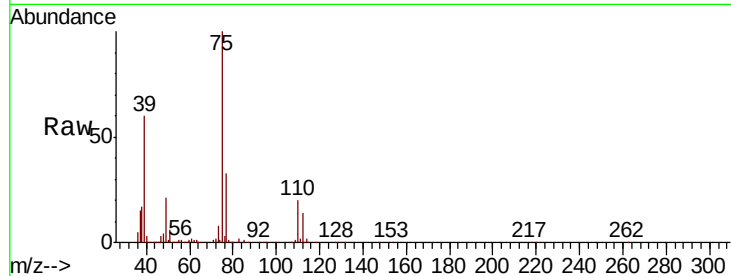
75 100

77 33.3 24.4 36.6

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.26

500000

400000

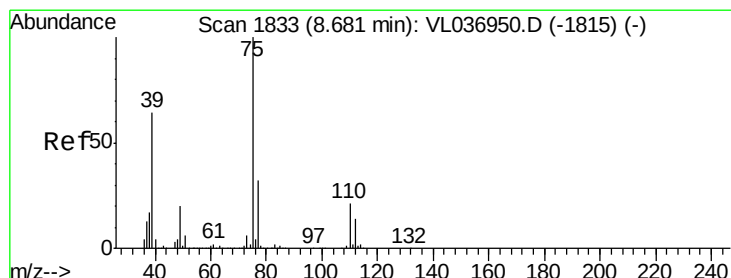
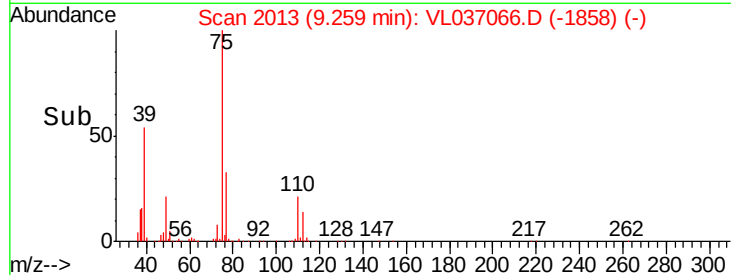
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.292 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

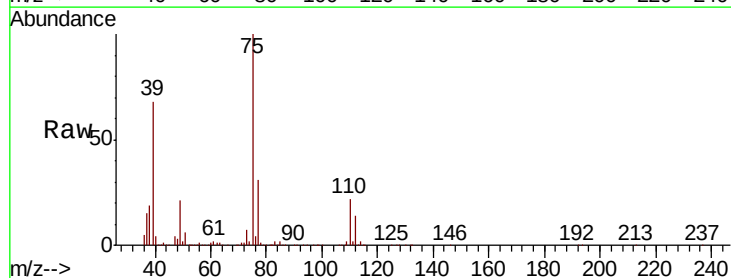
Tgt Ion: 75 Resp: 1335249

Ion Ratio Lower Upper

75 100

39 68.0 51.5 77.3

77 31.4 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

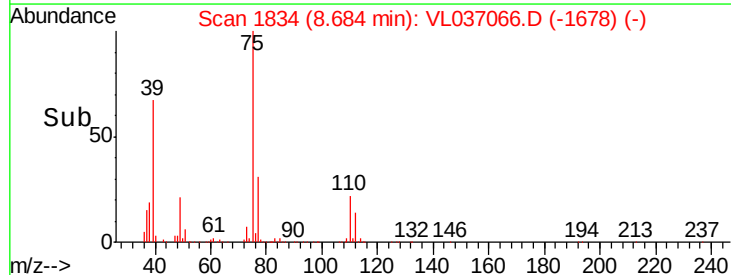
600000

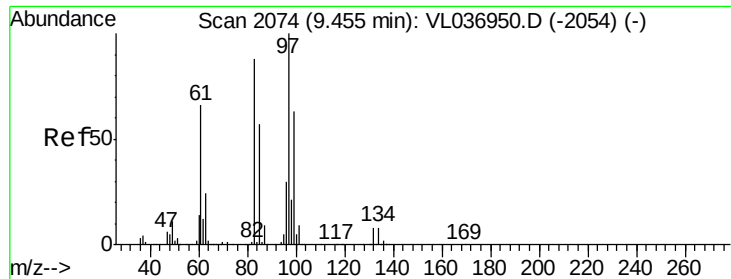
400000

200000

0

Time-->





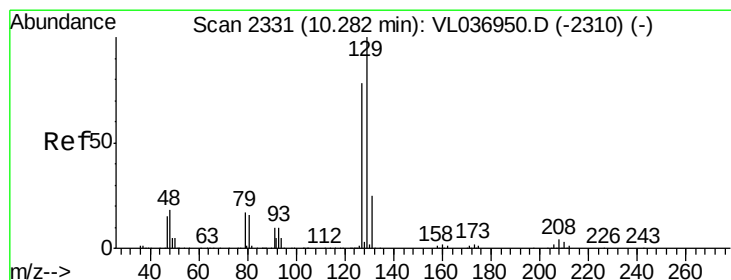
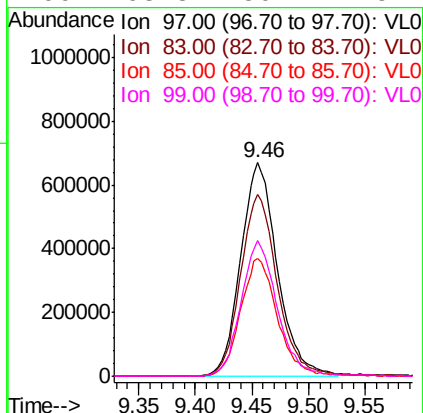
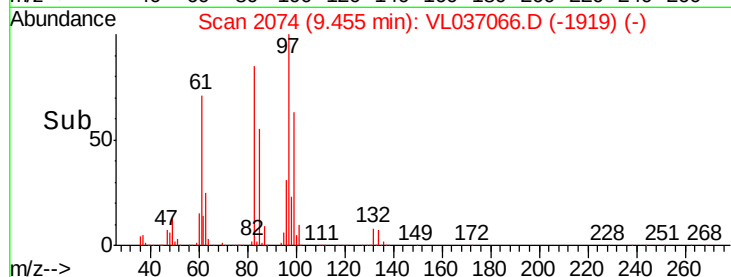
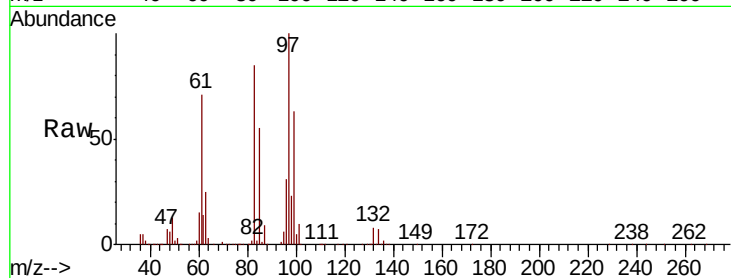
#47
 1,1,2-Trichloroethane
 Concen: 10.245 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	84.9	70.4	105.6	
85	55.0	45.5	68.3	
99	63.3	50.2	75.2	

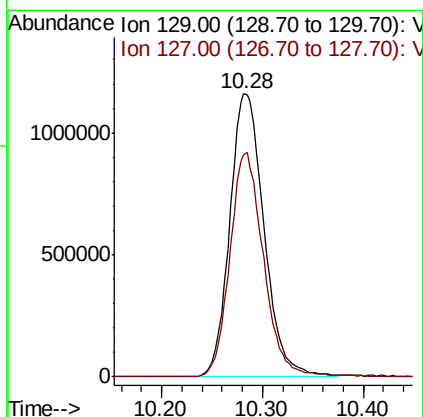
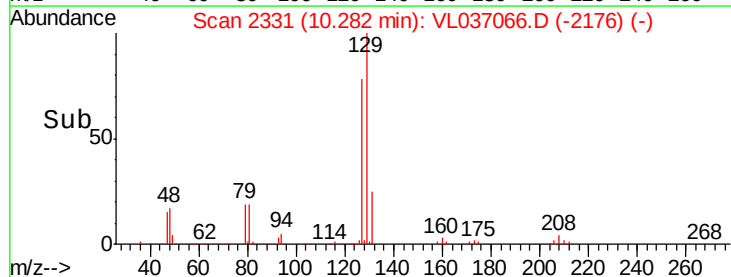
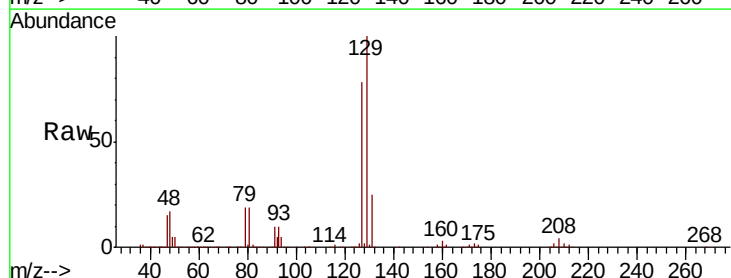
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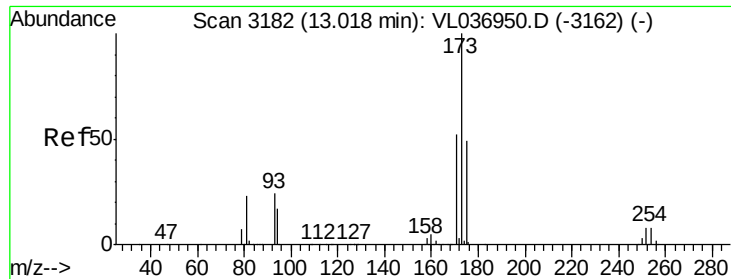
MMDadoda
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#48
 Dibromochloromethane
 Concen: 11.467 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.1	39.3	117.8	





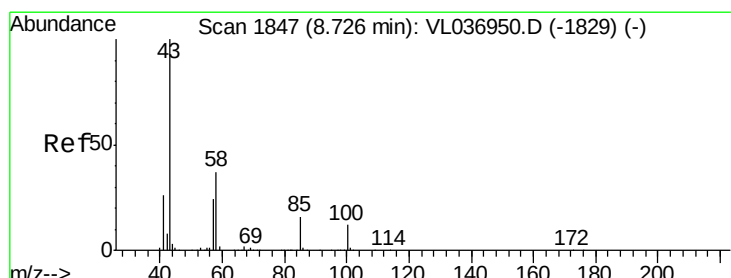
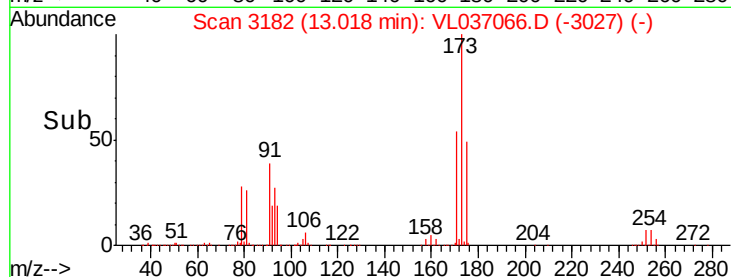
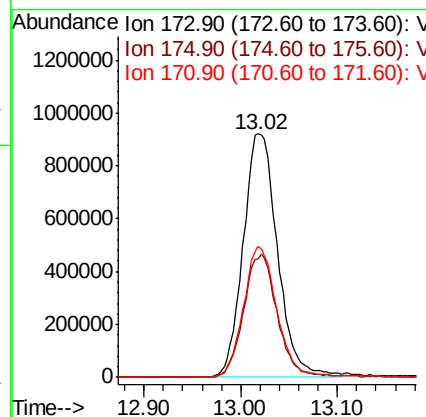
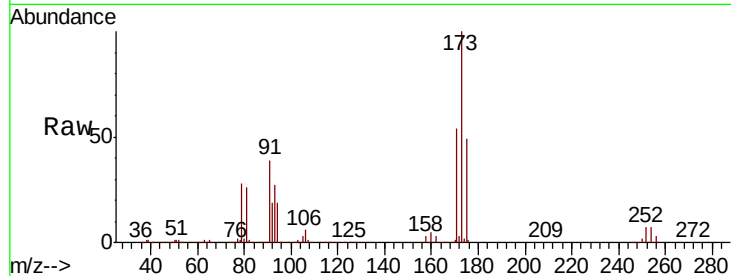
#49
Bromoform
Concen: 11.545 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion:173 Resp: 2279939
Ion Ratio Lower Upper
173 100
175 49.6 40.4 60.6
171 52.5 42.6 64.0

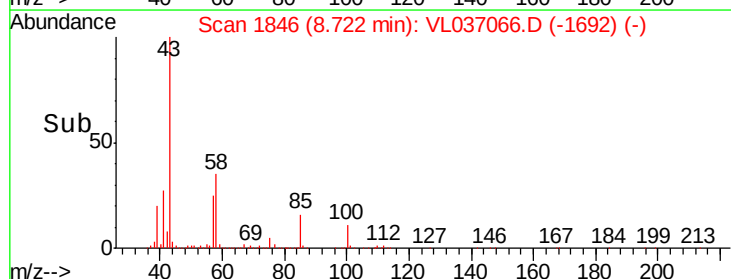
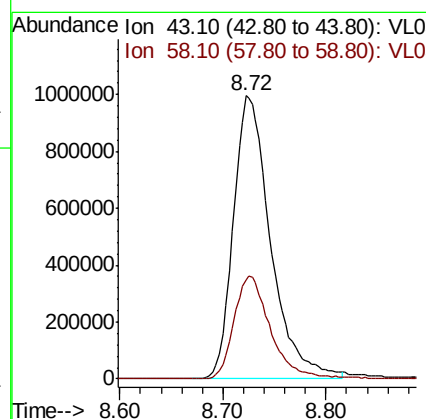
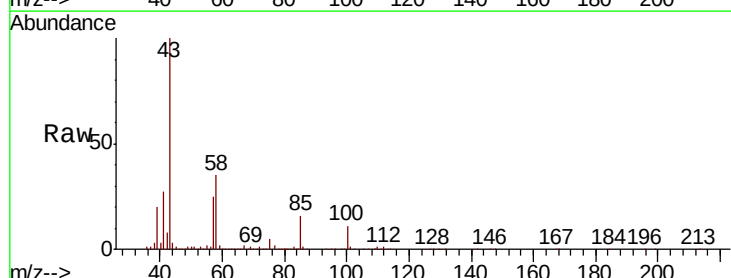
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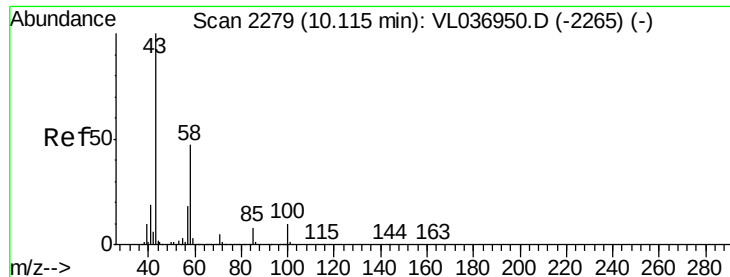
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 9.783 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion: 43 Resp: 2499906
Ion Ratio Lower Upper
43 100
58 36.4 29.4 44.2





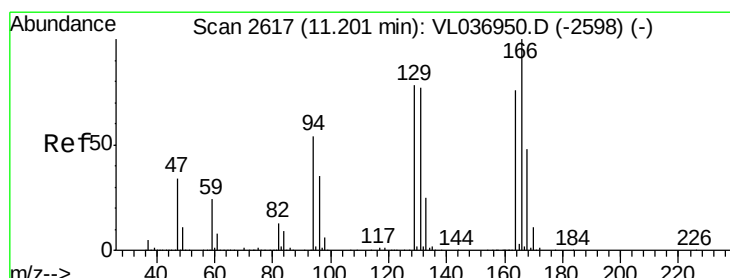
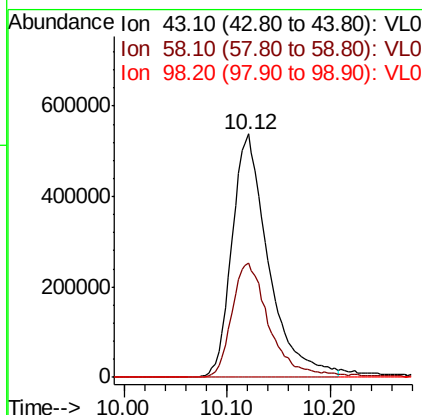
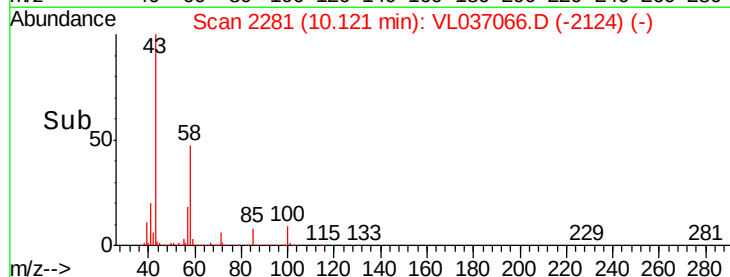
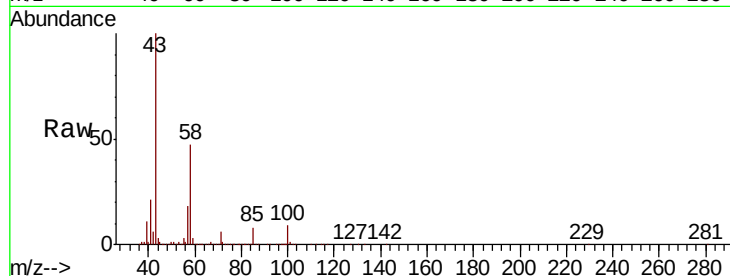
#51
2-Hexanone
Concen: 9.804 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. 0.01 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion: 43 Resp: 1324339
Ion Ratio Lower Upper
43 100
58 49.0 41.1 61.7
98 0.4 0.1 0.1#

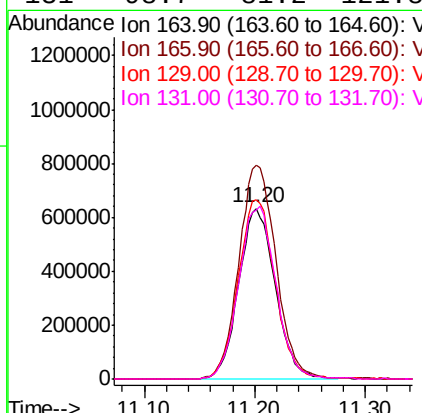
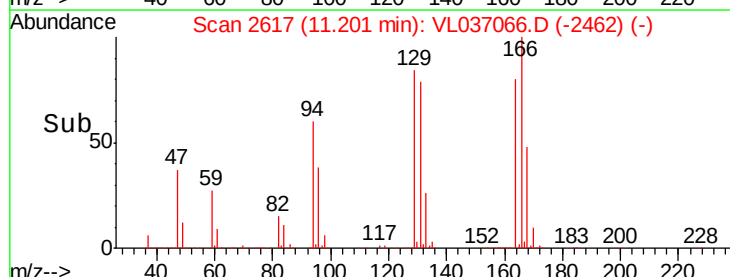
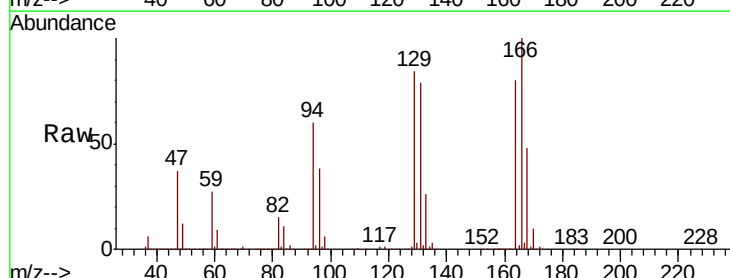
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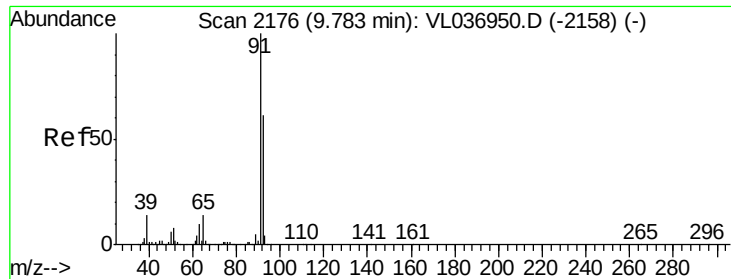
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#52
Tetrachloroethene
Concen: 9.993 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion: 164 Resp: 1455571
Ion Ratio Lower Upper
164 100
166 125.1 105.5 158.3
129 104.6 81.8 122.8
131 98.7 81.2 121.8





#53

Toluene

Concen: 9.696 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 91 Resp: 4225842

Ion Ratio Lower Upper

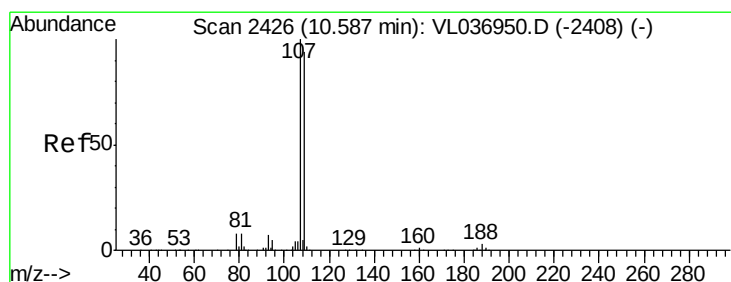
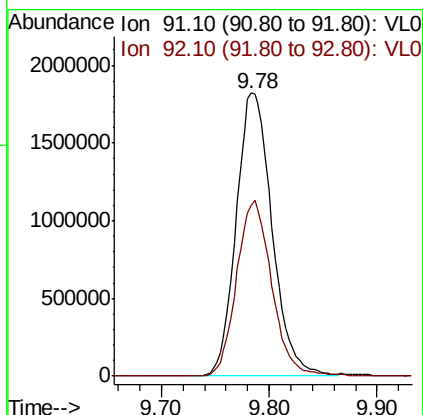
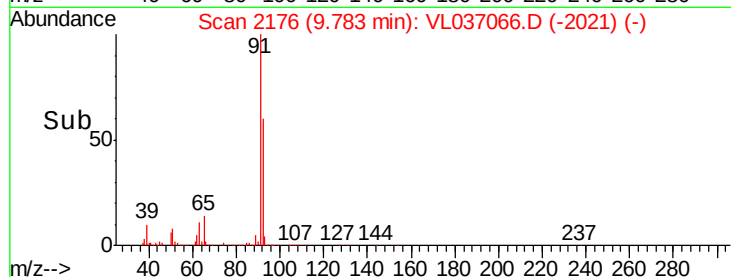
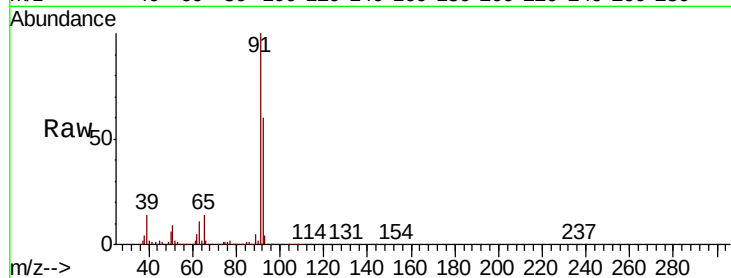
91 100

92 60.9 49.5 74.3

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#54

1,2-Dibromoethane

Concen: 10.626 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL037066.D

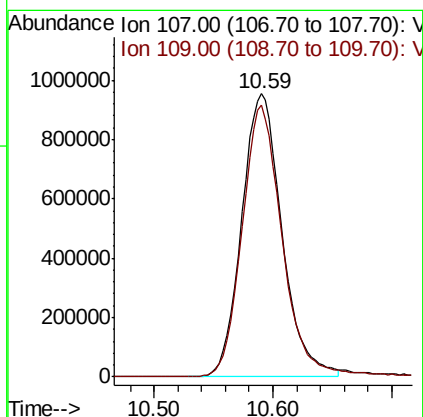
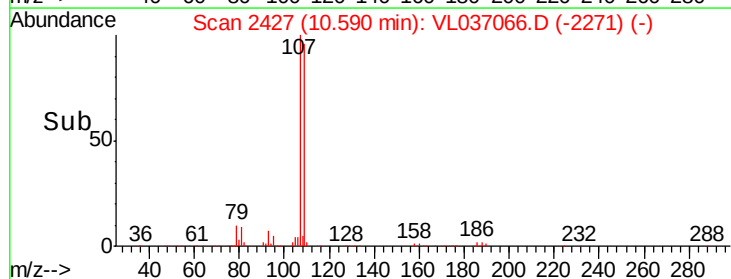
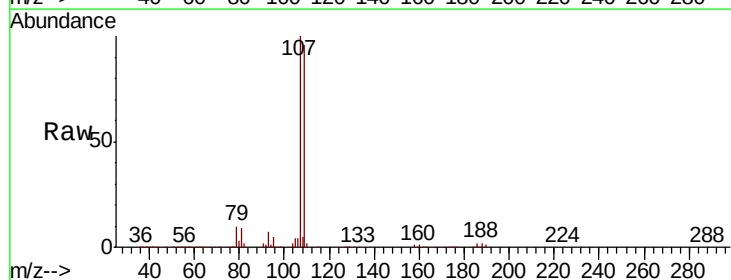
Acq: 1 Jun 2021 11:33

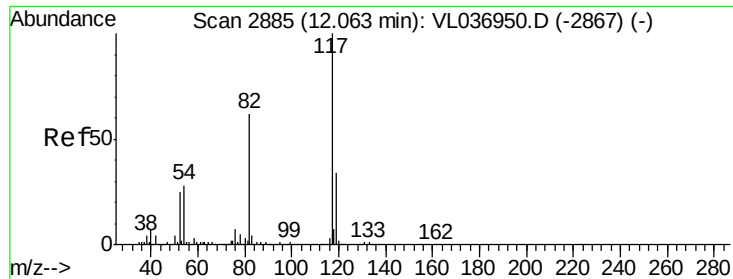
Tgt Ion: 107 Resp: 2231075

Ion Ratio Lower Upper

107 100

109 96.2 75.0 112.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.07 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion:117 Resp: 3916421

Ion Ratio Lower Upper

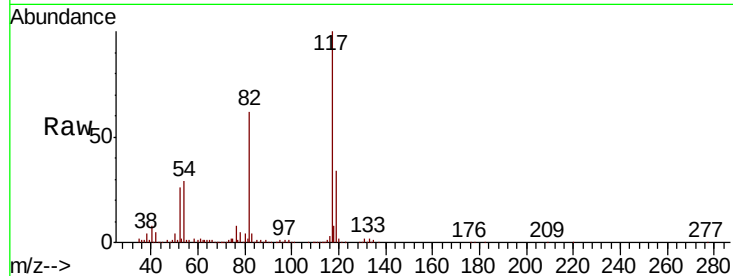
117 100

82 65.0 52.6 79.0

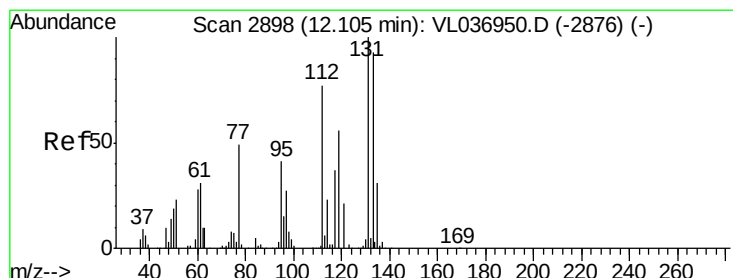
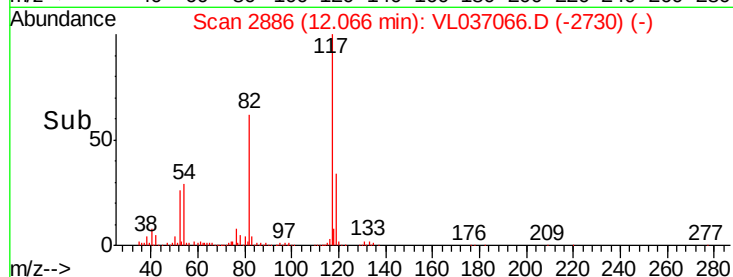
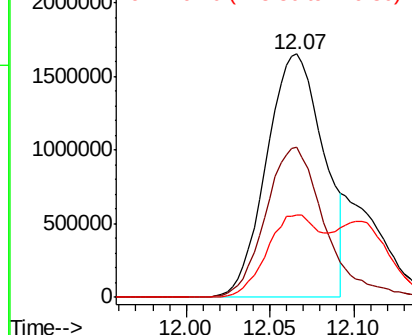
119 30.9 46.6 70.0#

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Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 11.183 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

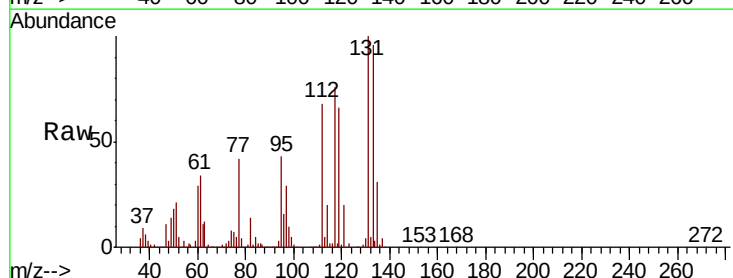
Tgt Ion:131 Resp: 1842813

Ion Ratio Lower Upper

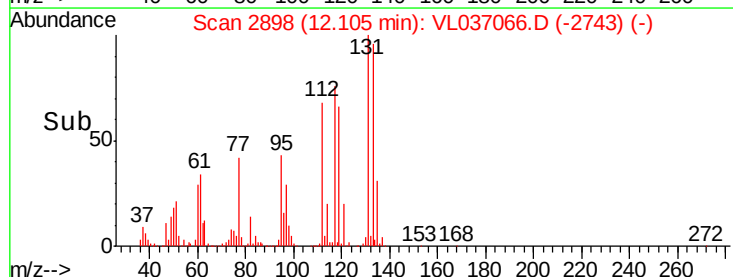
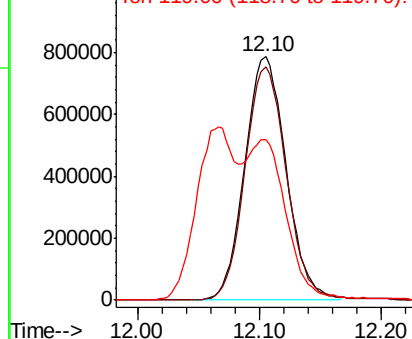
131 100

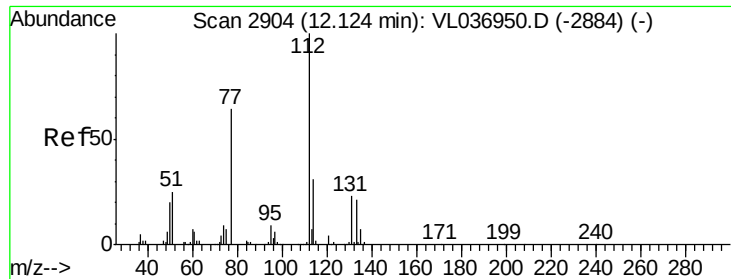
133 96.8 76.9 115.3

119 57.6 120.2 180.4#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





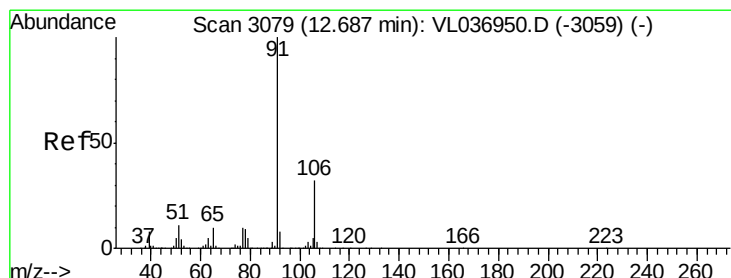
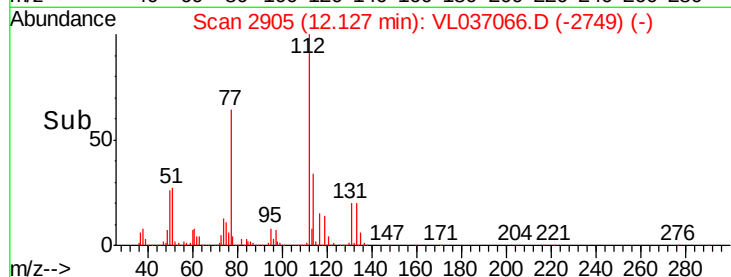
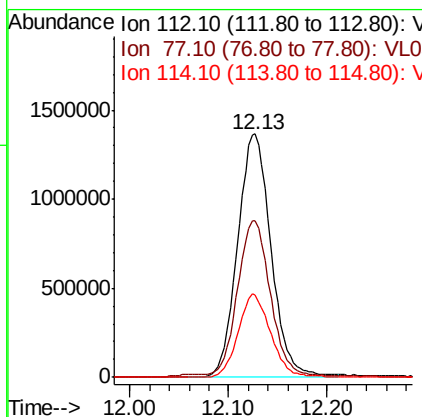
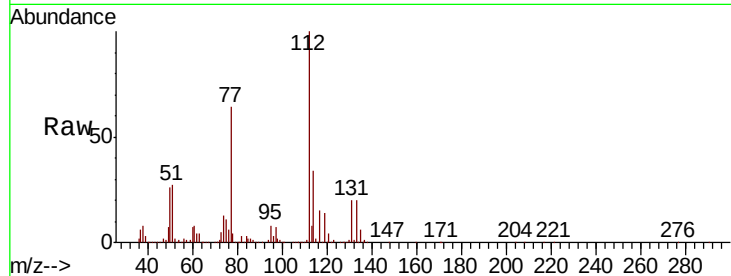
#57
Chlorobenzene
Concen: 10.603 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion:112 Resp: 3219668
Ion Ratio Lower Upper
112 100
77 63.8 51.0 76.6
114 33.7 28.3 34.5

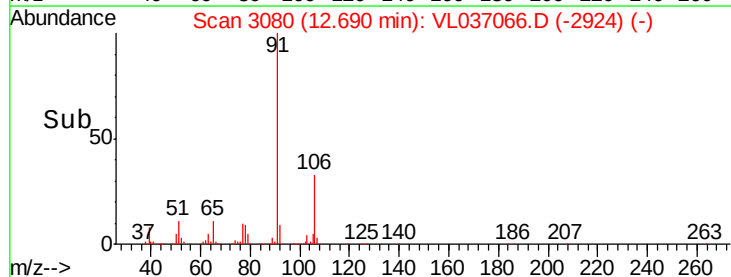
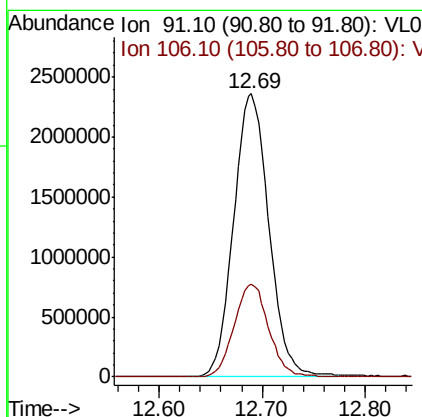
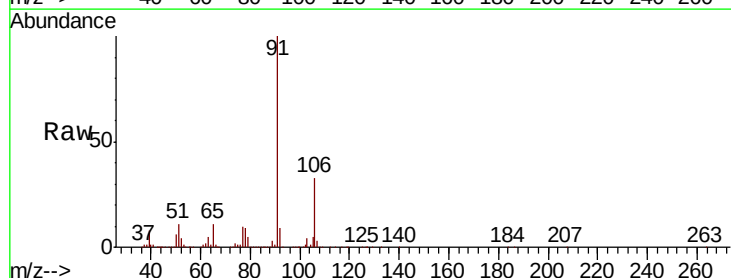
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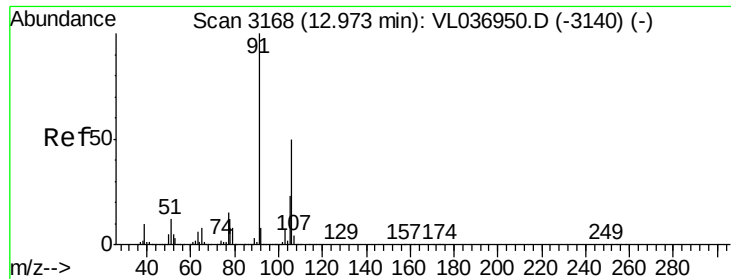
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#58
Ethyl Benzene
Concen: 10.178 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion: 91 Resp: 5625916
Ion Ratio Lower Upper
91 100
106 32.6 25.6 38.4





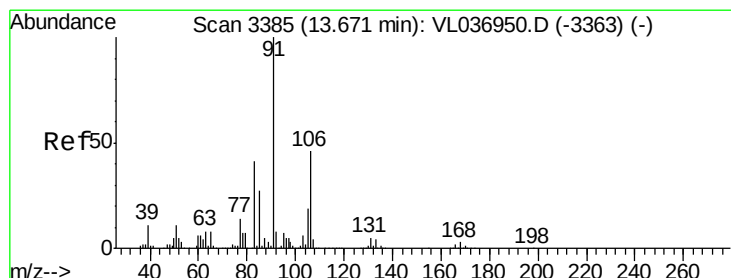
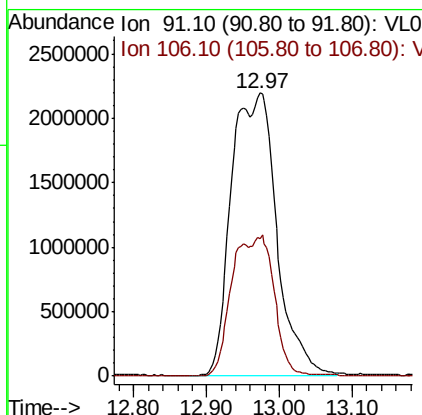
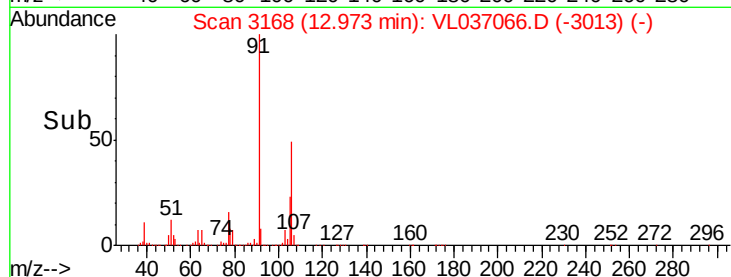
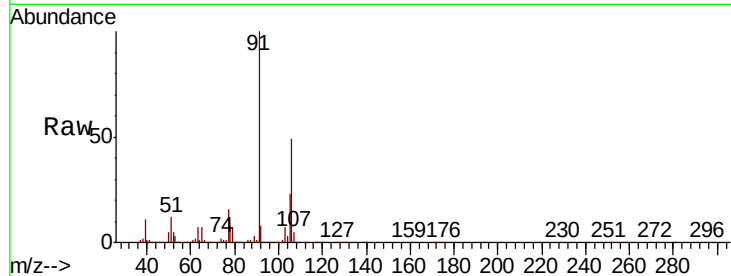
#59
m/p-Xylene
Concen: 20.875 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion: 91 Resp: 9537931
Ion Ratio Lower Upper
91 100
106 46.1 37.4 56.2

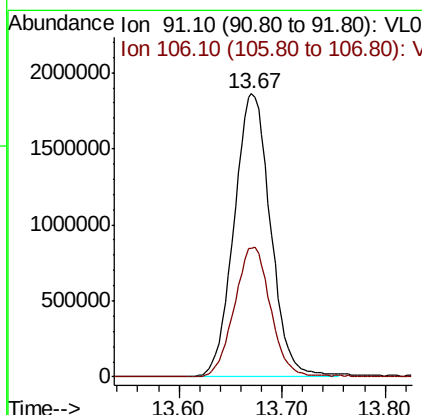
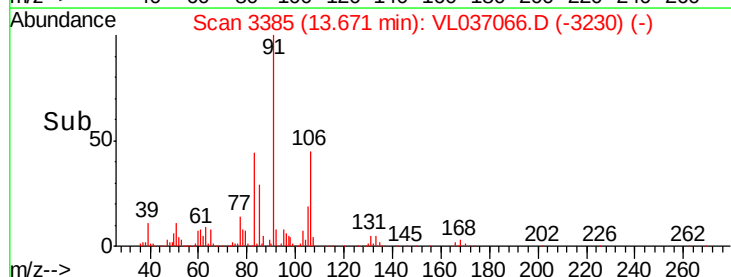
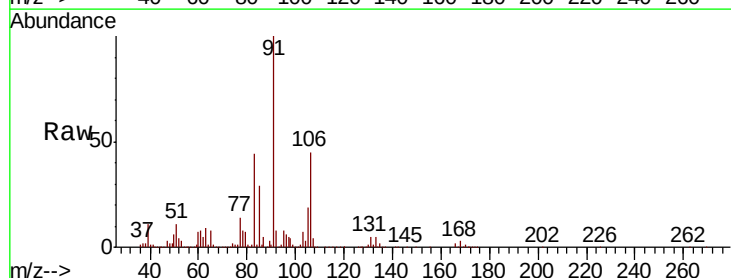
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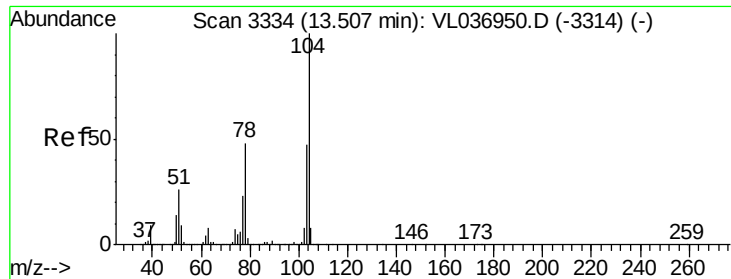
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#60
o-Xylene
Concen: 10.482 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion: 91 Resp: 4567915
Ion Ratio Lower Upper
91 100
106 45.8 23.4 70.3





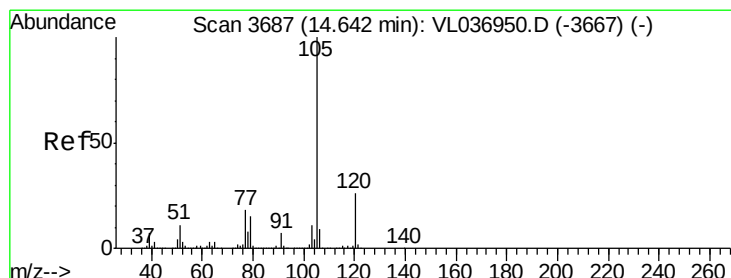
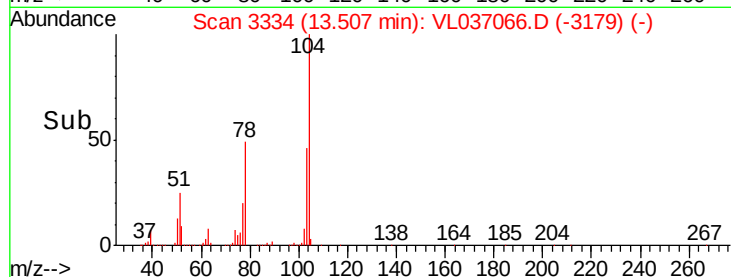
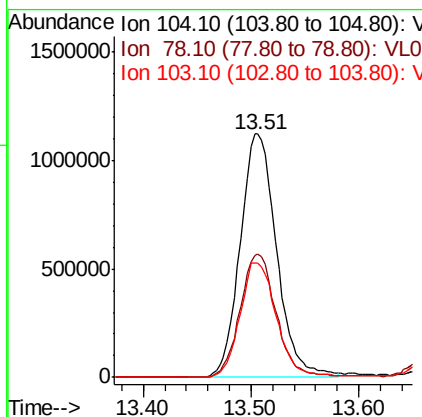
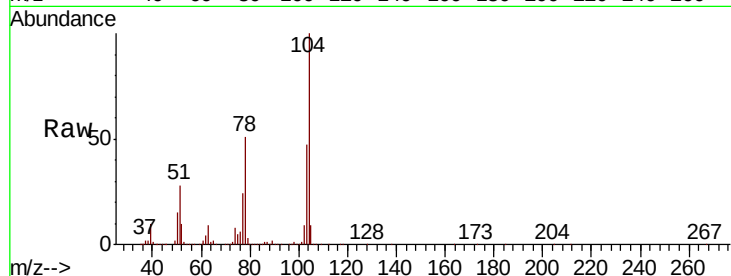
#61
Stvrene
Concen: 10.756 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.6	39.0	58.6
103	48.0	38.0	57.0

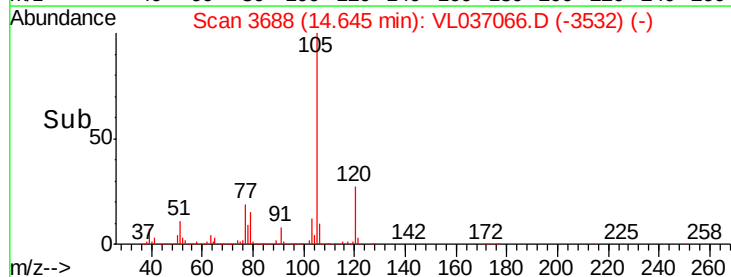
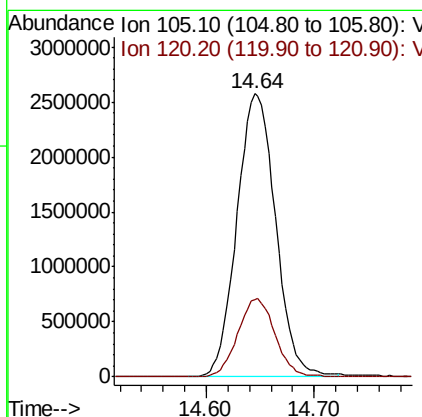
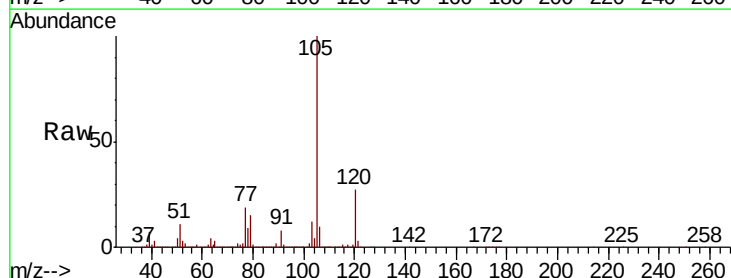
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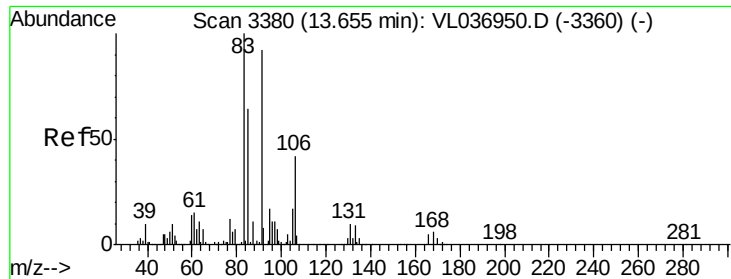
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#62
Isopropylbenzene
Concen: 10.253 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	21.7	32.5





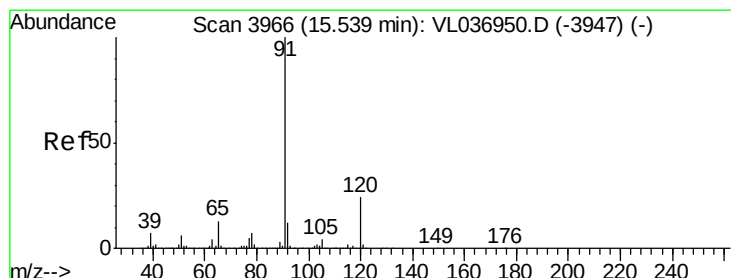
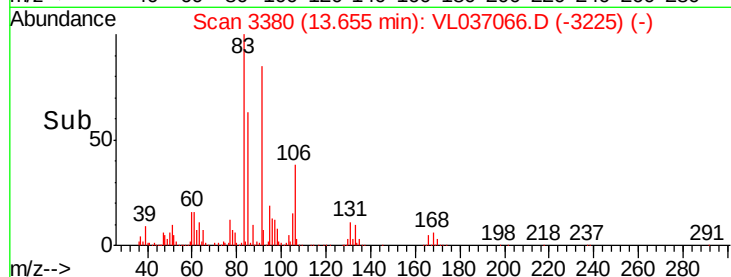
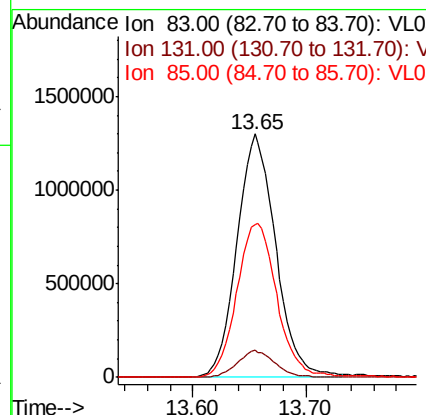
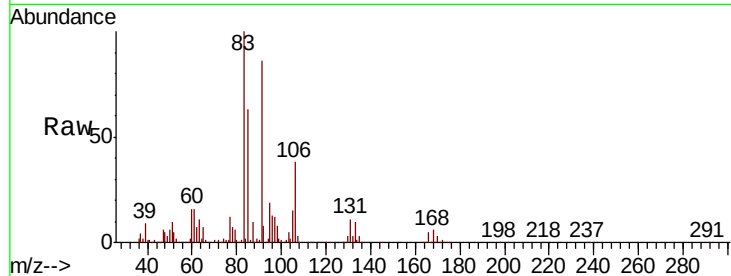
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.482 ppbv
 RT: 13.65 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.0	15.0
85	66.6	32.9	98.6

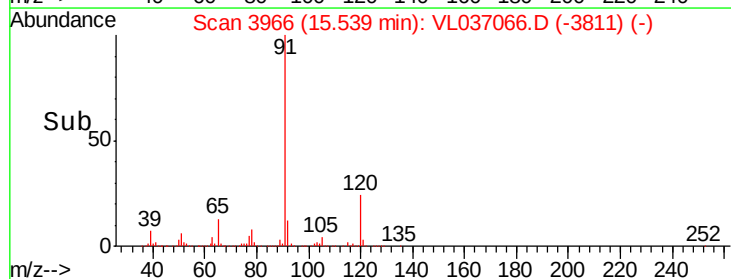
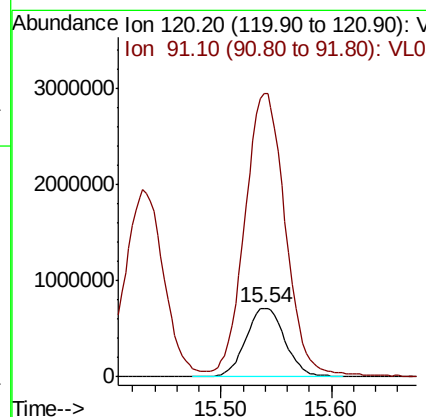
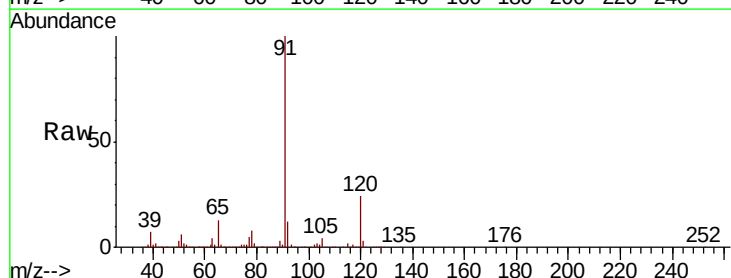
Manual Integrations
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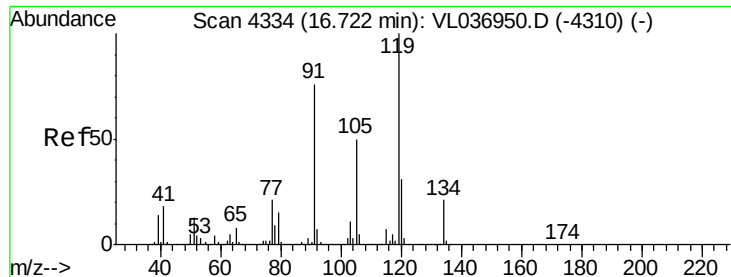
MMDadoda
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#64
 n-propylbenzene
 Concen: 10.927 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion	Ratio	Lower	Upper
120	100		
91	426.7	343.8	515.6





#65

tert-Butylbenzene

Concen: 10.486 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion:119 Resp: 5925801

Ion Ratio Lower Upper

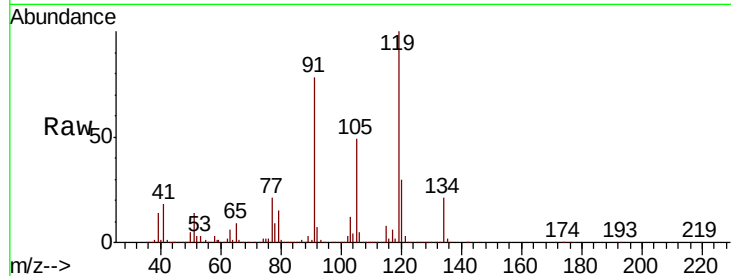
119 100

91 78.4 61.9 92.9

134 20.3 16.2 24.4

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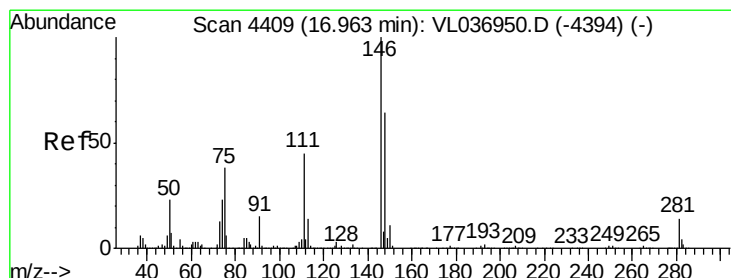
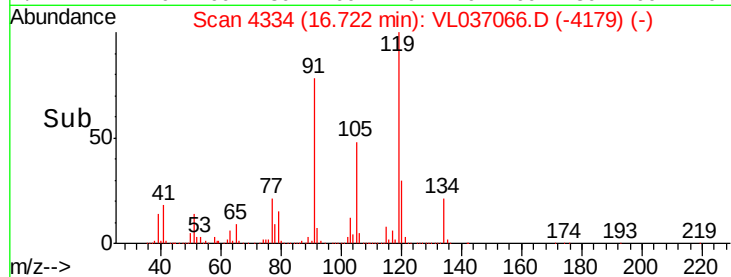
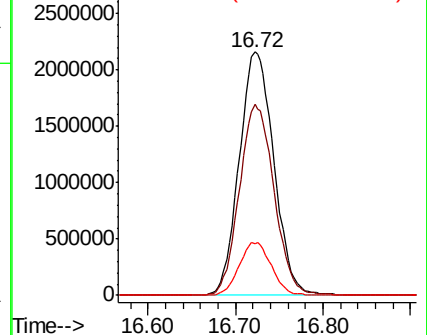
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.454 ppbv

RT: 16.97 min Scan# 4410

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

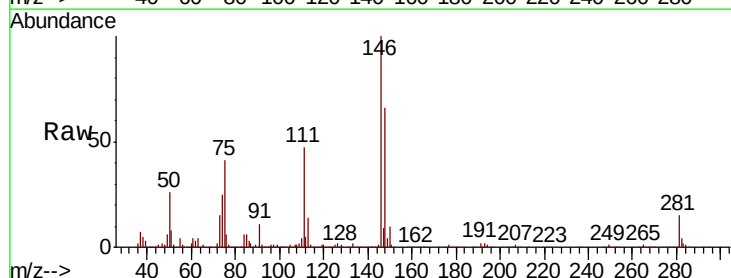
Tgt Ion: 91 Resp: 296420

Ion Ratio Lower Upper

91 100

126 19.8 16.5 24.7

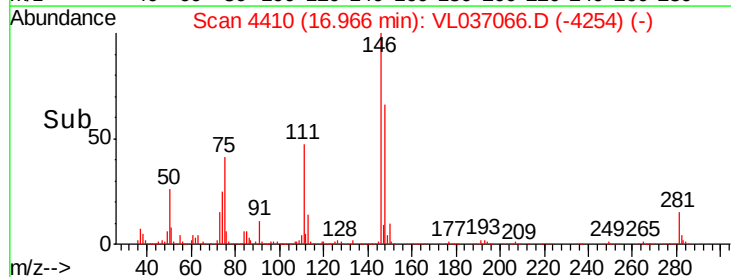
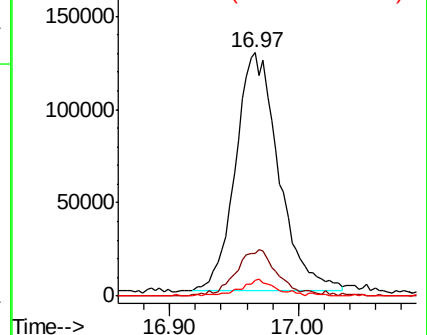
128 6.9 5.5 8.3

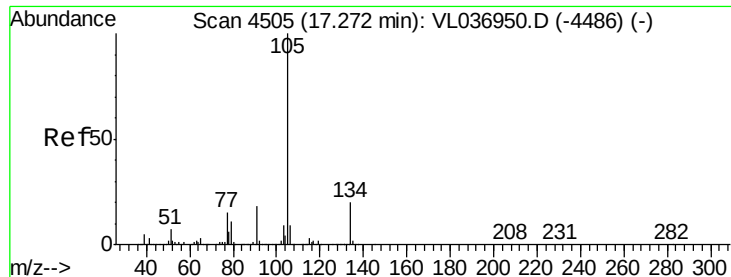


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.321 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 105 Resp: 7956727

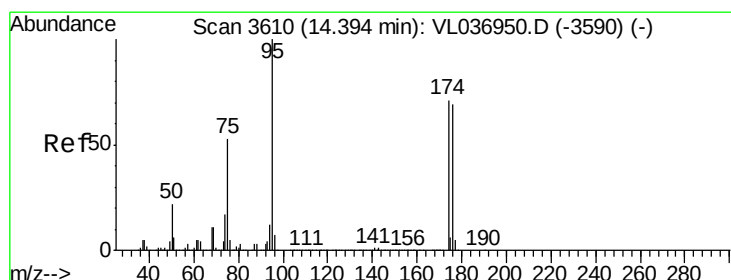
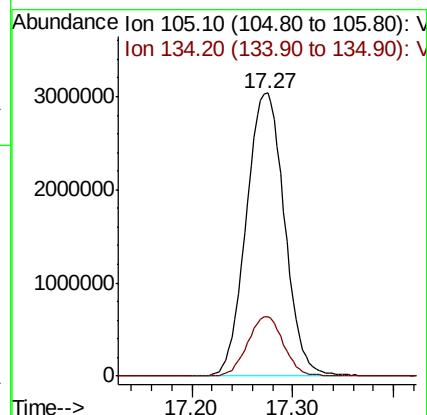
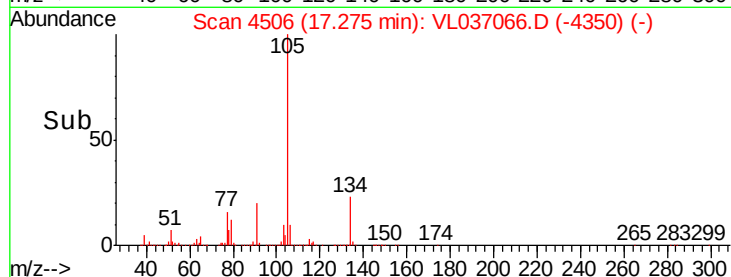
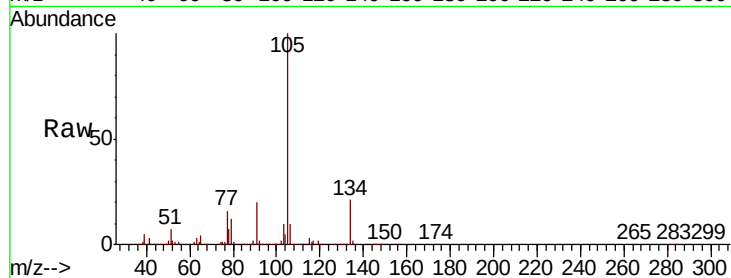
Ion Ratio Lower Upper

105 100

134 19.9 15.6 23.4

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.721 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

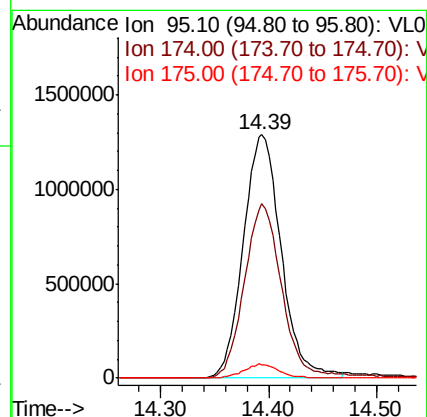
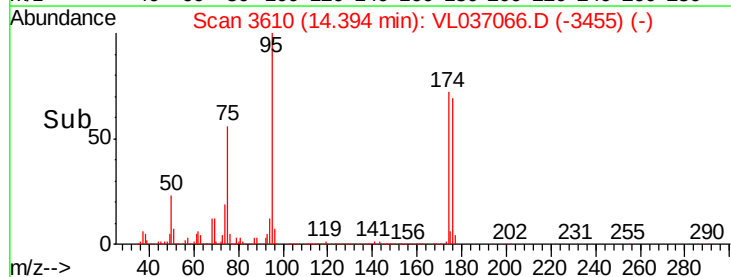
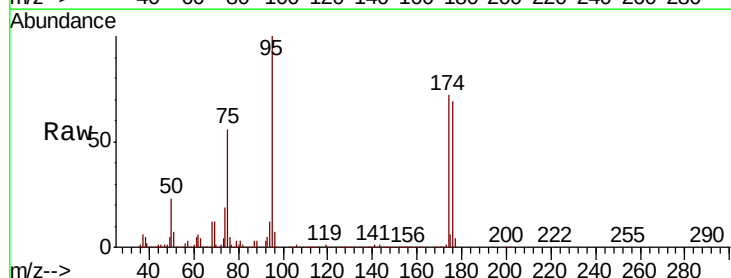
Tgt Ion: 95 Resp: 3154356

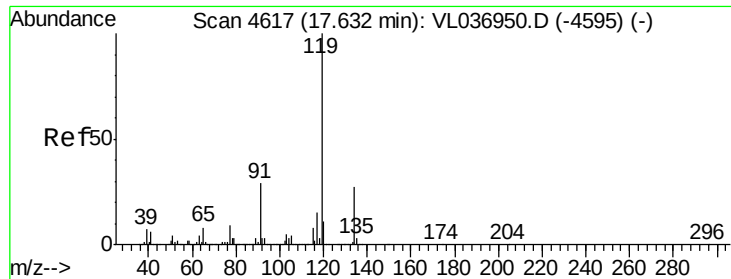
Ion Ratio Lower Upper

95 100

174 72.3 58.4 87.6

175 5.5 4.4 6.6





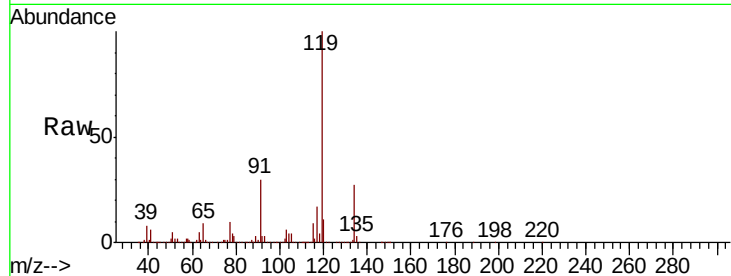
#69
 p-Isopropyltoluene
 Concen: 10.591 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

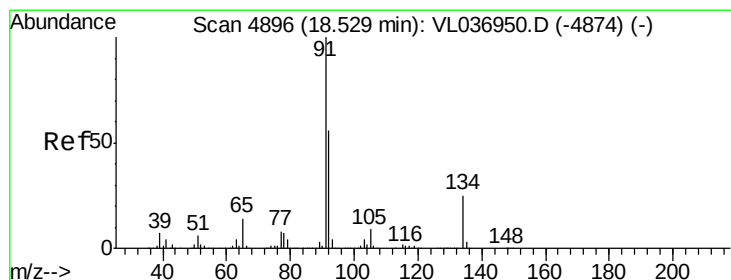
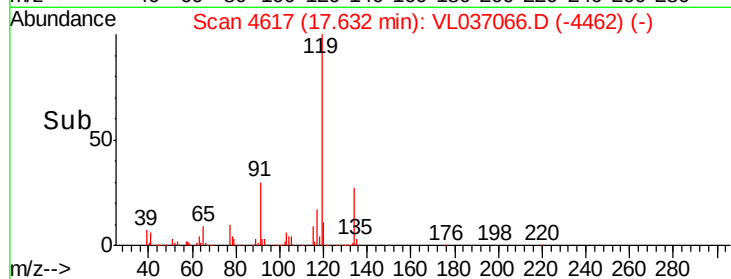
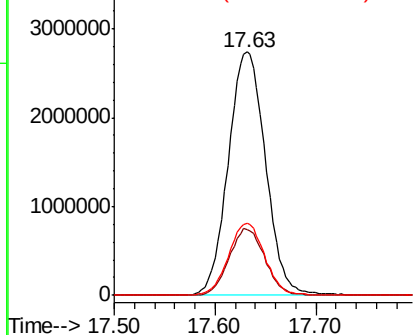
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	21.2	31.8
91	28.7	22.2	33.4

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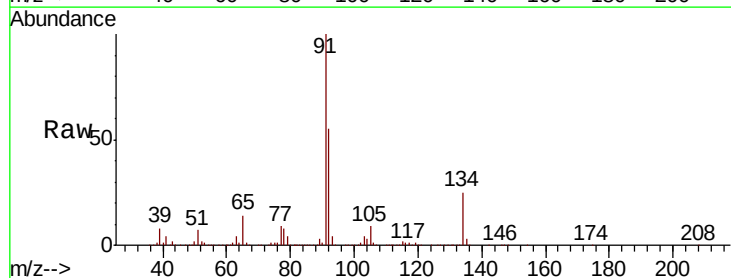


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

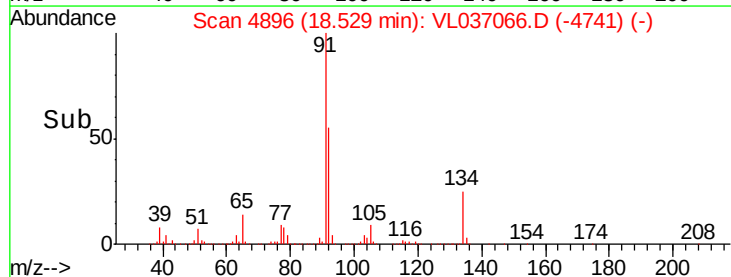
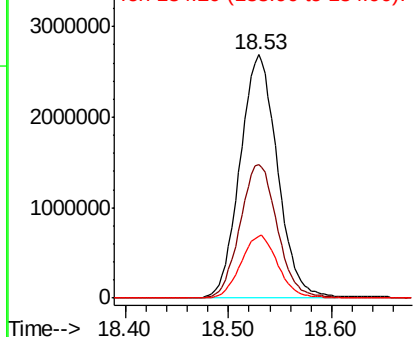


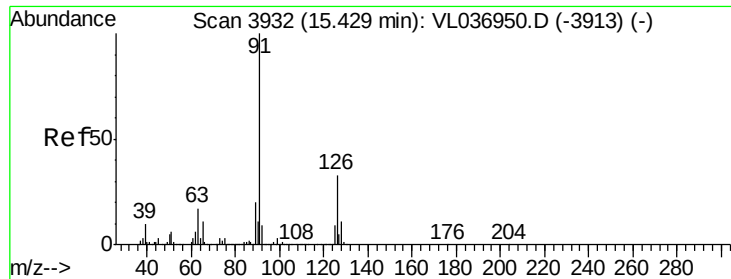
#70
 n-Butylbenzene
 Concen: 10.790 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.6	66.8
134	25.6	20.2	30.2



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





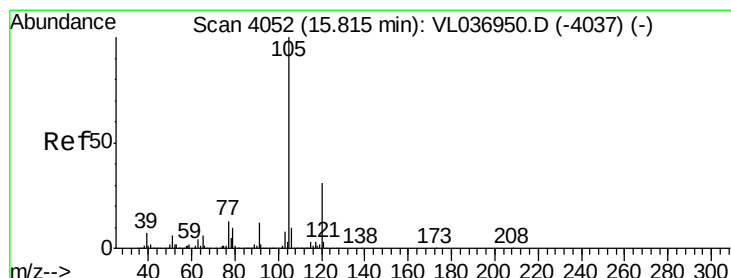
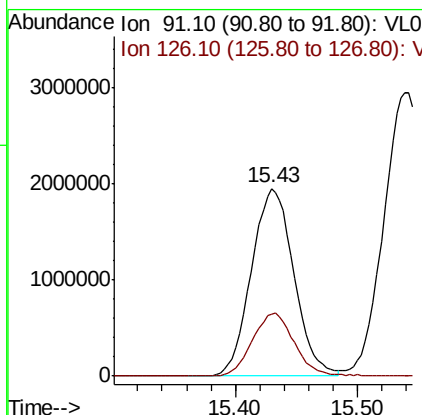
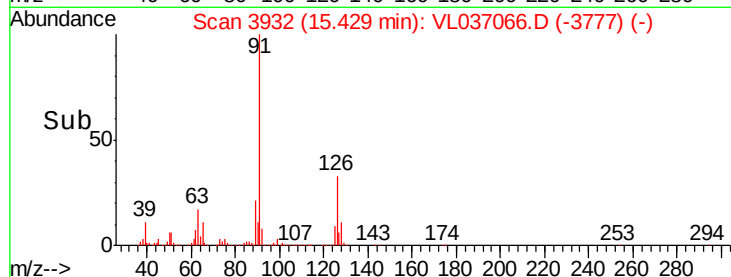
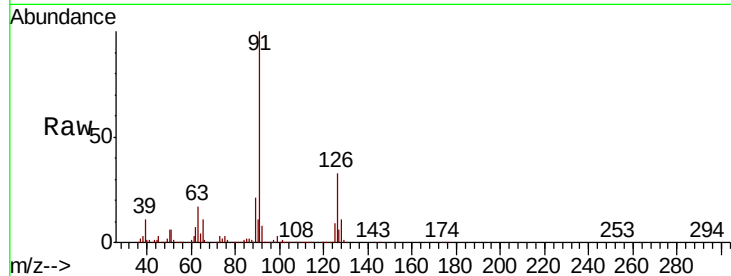
#71
 2-Chlorotoluene
 Concen: 10.409 ppbv
 RT: 15.43 min Scan# 3932
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion: 91 Resp: 4708317
 Ion Ratio Lower Upper
 91 100
 126 33.9 13.1 52.5

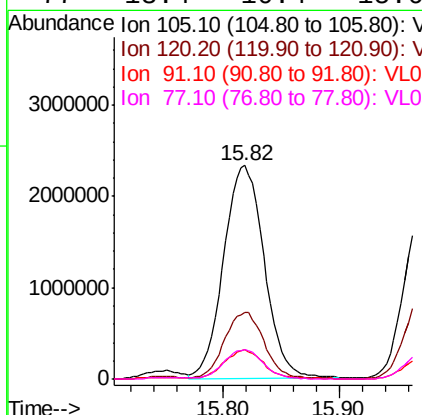
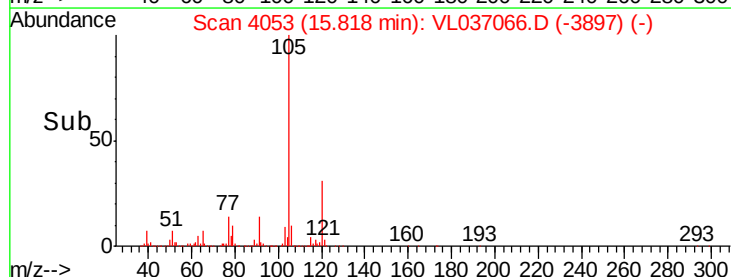
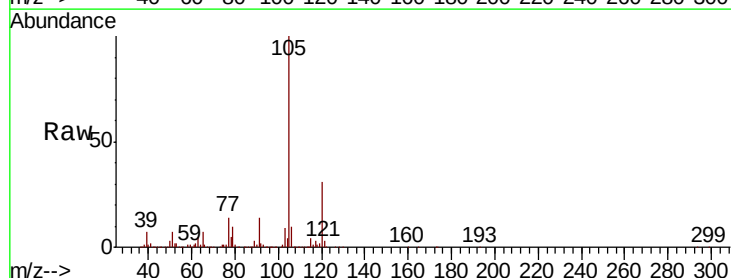
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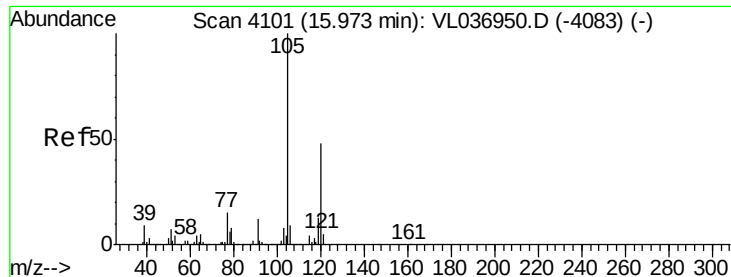
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#72
 4-Ethyltoluene
 Concen: 10.898 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. 0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion: 105 Resp: 5636243
 Ion Ratio Lower Upper
 105 100
 120 31.2 24.6 37.0
 91 13.0 9.8 14.6
 77 13.4 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 10.701 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion:105 Resp: 5197335

Ion Ratio Lower Upper

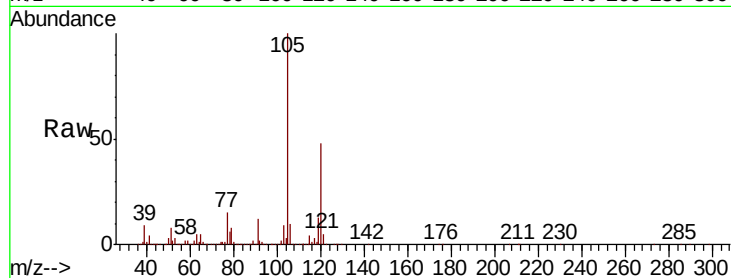
105 100

120 47.6 38.6 58.0

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

1000000

500000

0

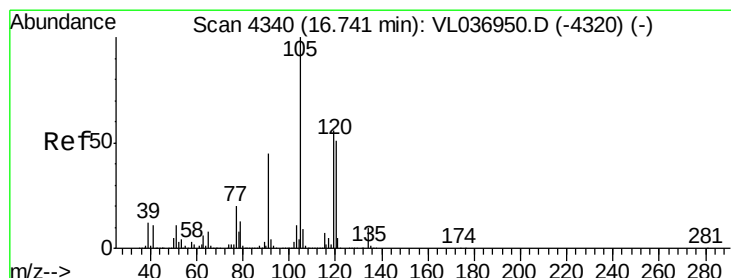
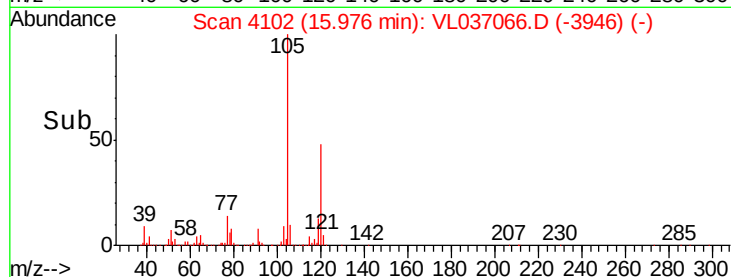
15.90

15.98

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 10.762 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Tgt Ion:105 Resp: 5404396

Ion Ratio Lower Upper

105 100

120 49.2 40.6 61.0

91 48.1 37.4 56.0

77 21.1 16.2 24.4

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

3000000

2000000

1000000

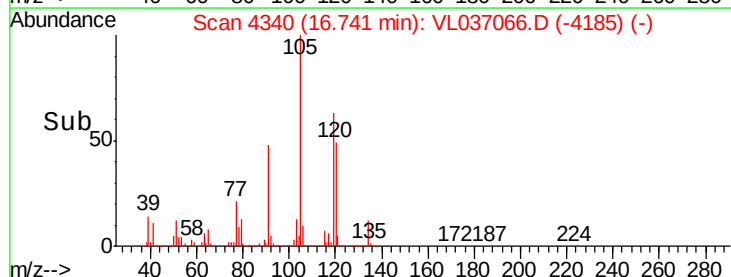
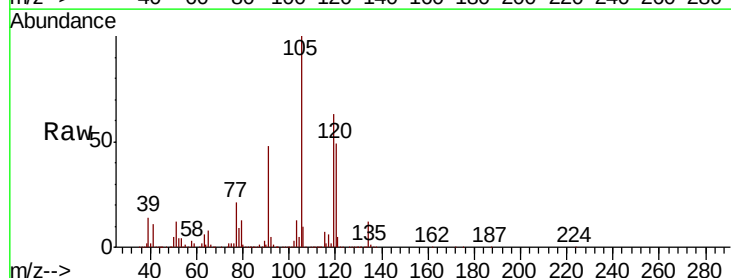
0

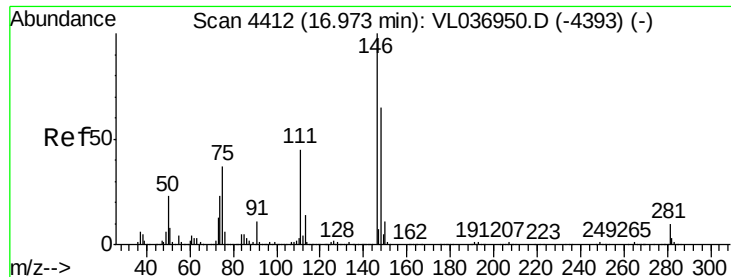
16.70

16.74

16.80

Time-->





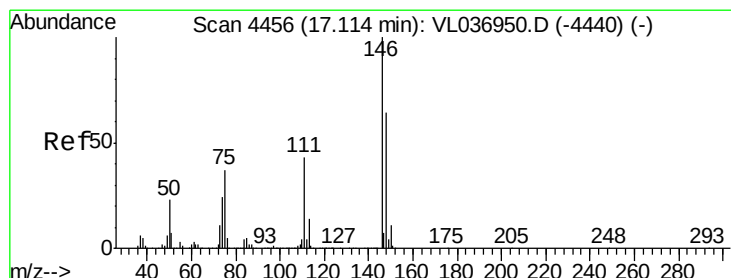
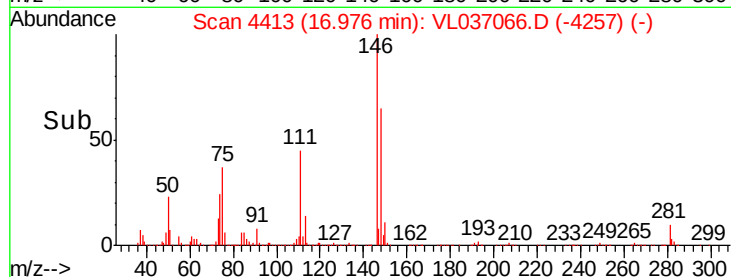
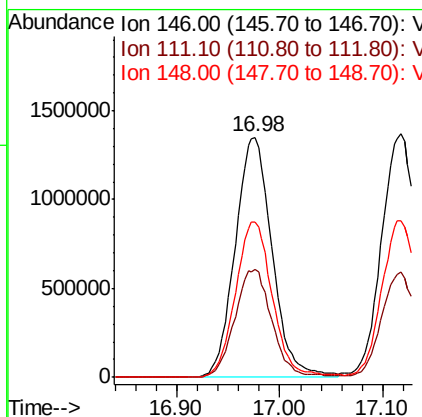
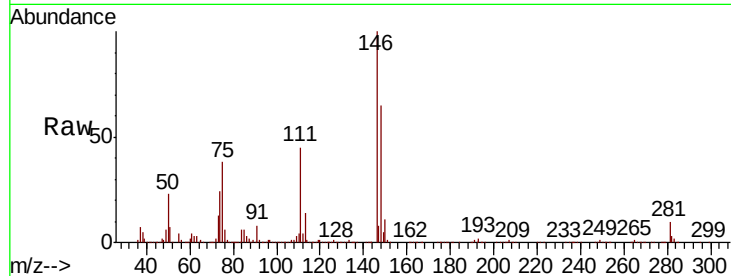
#75
 1,3-Dichlorobenzene
 Concen: 10.978 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T. 0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion:146 Resp: 3366593
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.2 66.6
 148 64.7 32.3 96.8

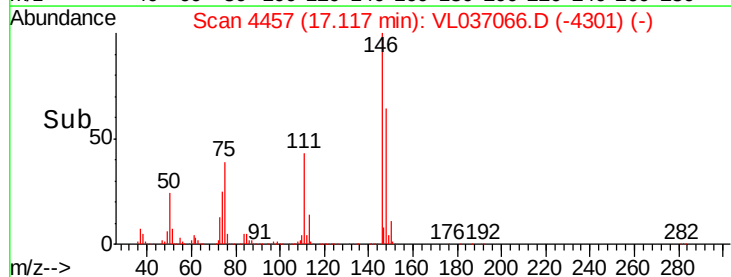
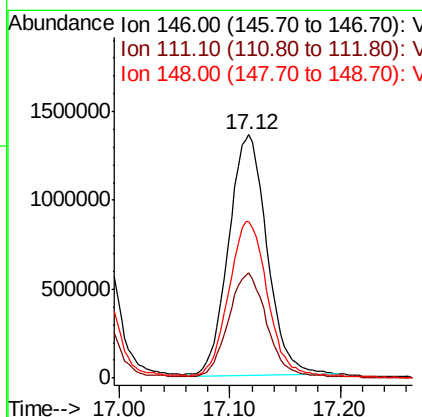
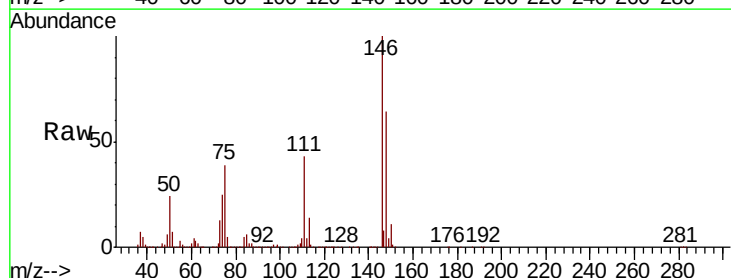
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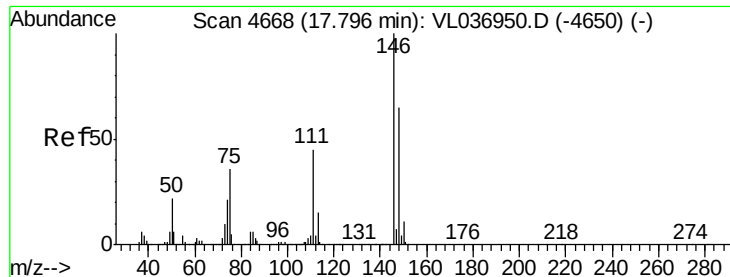
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#76
 1,4-Dichlorobenzene
 Concen: 10.556 ppbv
 RT: 17.12 min Scan# 4457
 Delta R.T. 0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion:146 Resp: 3272978
 Ion Ratio Lower Upper
 146 100
 111 44.1 22.6 67.7
 148 66.8 33.5 100.5





#77

1,2-Dichlorobenzene

Concen: 10.721 ppbv

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion:146 Resp: 3294230

Ion Ratio Lower Upper

146 100

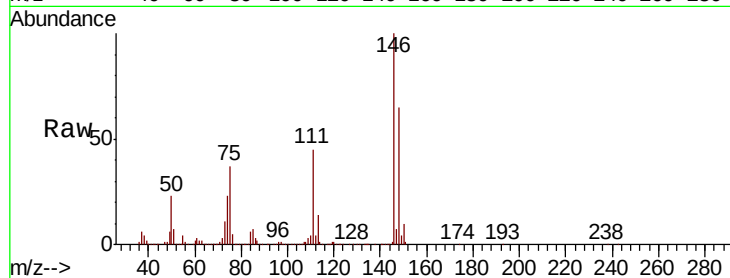
111 46.5 23.1 69.2

148 64.9 32.5 97.4

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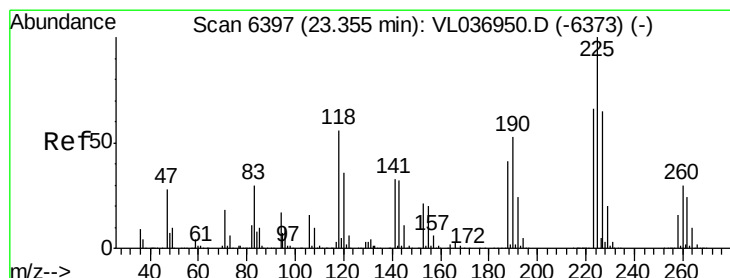
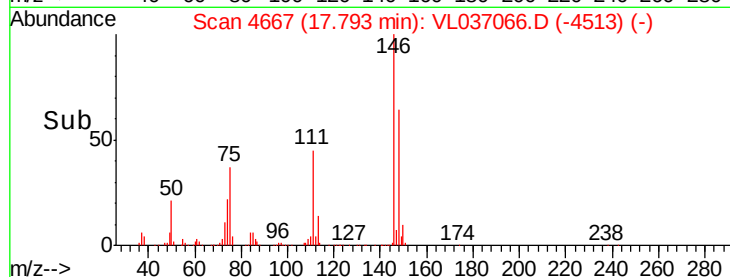
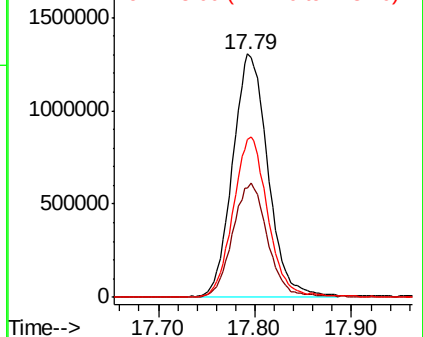


Abundance

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



#78

Hexachloro-1,3-Butadiene

Concen: 9.638 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

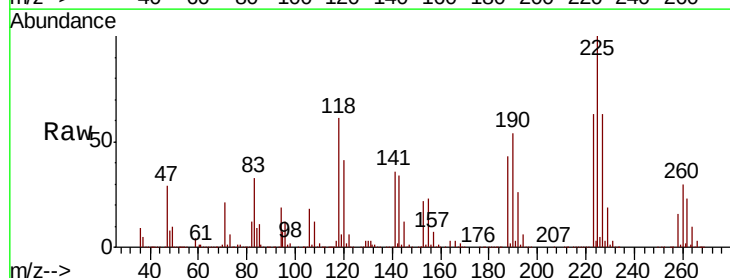
Tgt Ion:225 Resp: 2381247

Ion Ratio Lower Upper

225 100

223 64.7 51.9 77.9

227 64.9 51.8 77.6

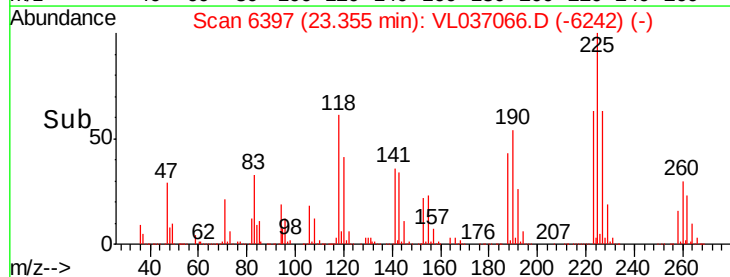
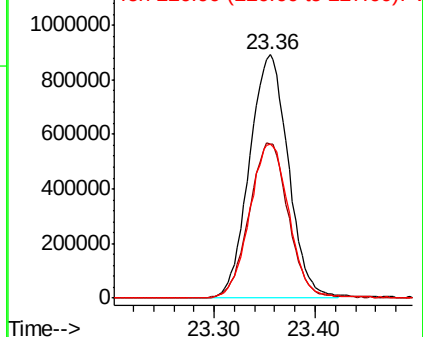


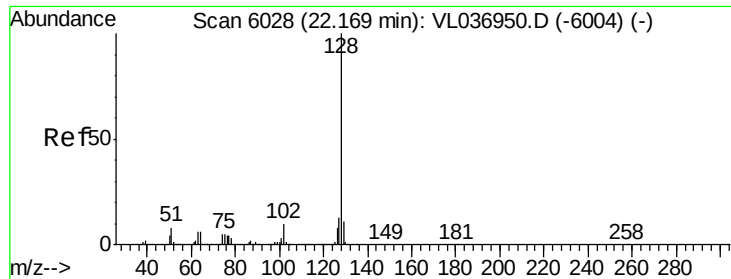
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





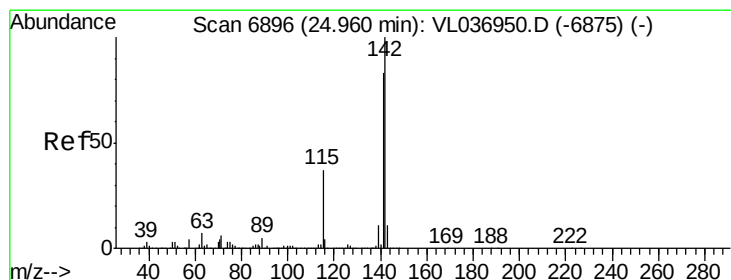
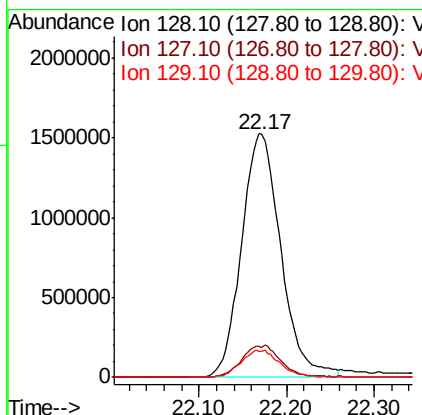
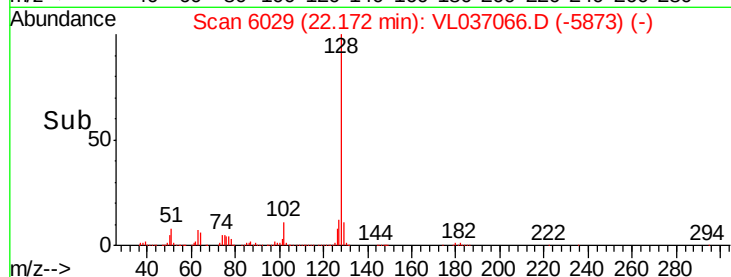
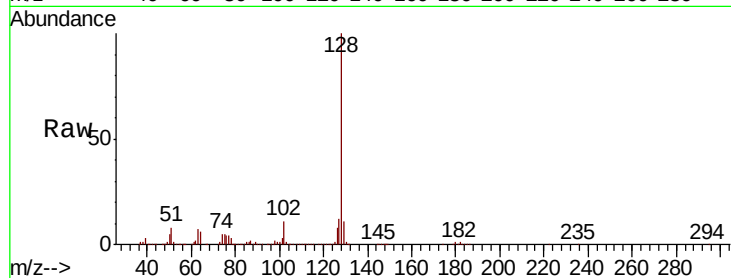
#79
Naphthalene
Concen: 12.054 ppbv
RT: 22.17 min Scan# 6029
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.4	15.6
129	10.8	9.0	13.6

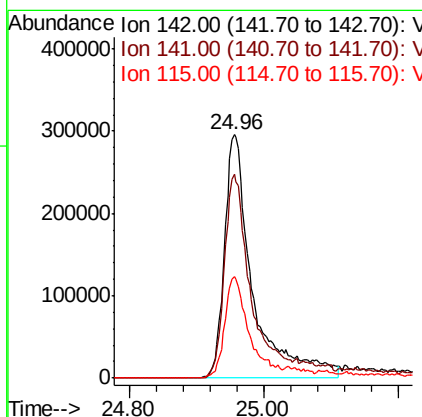
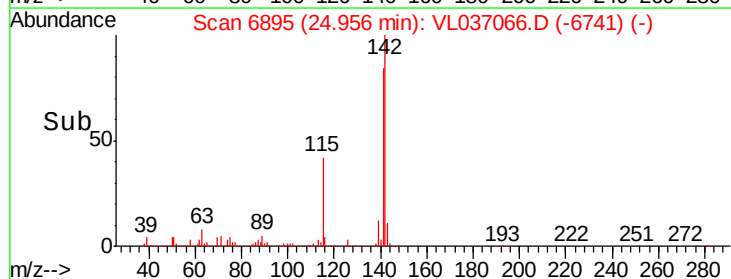
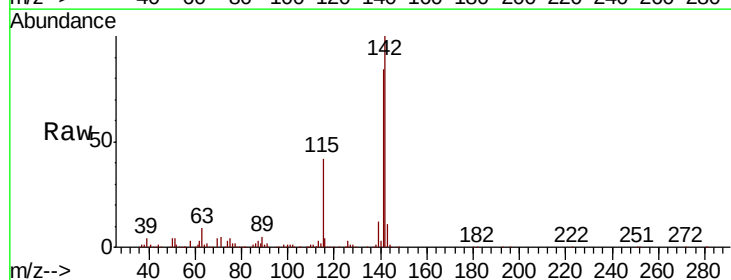
Manual Integrations
APPROVED

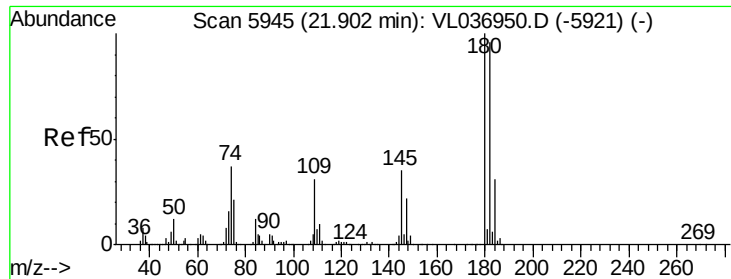
MMDadoda
6/7/2021 2:58:20 PM



#80
Naphthalene, 2-methyl-
Concen: 10.174 ppbv
RT: 24.96 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	78.6	69.3	103.9
115	39.4	29.1	43.7





#81
 1,2,4-Trichlorobenzene
 Concen: 11.112 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.6	81.7	122.5
184	31.1	24.9	37.3

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 2:58:20 PM

