

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037345.D
 Acq On : 6 Aug 2021 14:28
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 8/10/2021 6:09:30 PM

Quant Time: Aug 06 16:37:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 0
 QLast Update : Fri Aug 06 15:47:06 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	908683	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3095592	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2825281	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1858945	9.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	342983	1.697 ppbv	99
3) Chlorodifluoromethane	2.98	51	375764	1.991 ppbv	99
4) Chloromethane	3.14	50	124978	1.870 ppbv	99
5) Vinyl Chloride	3.25	62	121229	1.731 ppbv	89
6) Bromomethane	3.47	94	78526	1.825 ppbv	96
7) Chloroethane	3.55	64	53797m	2.145 ppbv	
8) Dichlorotetrafluoroethane	3.18	85	361913	1.996 ppbv	99
9) Propene	3.01	41	118483	1.761 ppbv	99
10) Heptane	8.11	43	280315	1.775 ppbv	96
11) Trichlorofluoromethane	3.94	101	366268	2.075 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	267131	2.086 ppbv	96
13) Ethanol	3.62	45	22142m	2.177 ppbv	
14) Bromoethene	3.73	108	112629	1.990 ppbv	97
15) Acetone	3.85	43	201069	2.007 ppbv #	72
16) 1,3-Butadiene	3.32	39	129501	1.998 ppbv	97
17) tert-Butyl alcohol	4.30	59	185549	1.841 ppbv	100
18) 1,1-Dichloroethene	4.28	96	118024	2.025 ppbv	93
19) Isopropyl Alcohol	3.99	45	121441m	2.191 ppbv	
20) Methylene Chloride	4.34	84	194379	2.344 ppbv	95
21) Allyl Chloride	4.40	41	160979m	1.989 ppbv	
22) trans-1,2-Dichloroethene	4.88	96	111979	2.088 ppbv	94
23) Vinyl Acetate	5.07	43	272609	1.815 ppbv #	94
24) 1,1-Dichloroethane	5.00	63	228437	1.785 ppbv	99
25) Ethyl Acetate	5.68	43	476339	1.836 ppbv	98
26) Hexane	5.68	57	296285	2.043 ppbv	88
27) Carbon Disulfide	4.55	76	215489	1.799 ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	259328	1.710 ppbv	99
29) Chloroform	5.74	83	357743	1.917 ppbv	93
30) Cyclohexane	7.12	84	213837	1.903 ppbv	90
31) cis-1,2-Dichloroethene	5.54	61	214815	1.894 ppbv	95
32) 1,1,1-Trichloroethane	6.50	97	368227	2.070 ppbv	98
34) 2-Butanone	5.25	43	232671m	2.175 ppbv	
35) Carbon Tetrachloride	7.01	117	377083	1.995 ppbv	98
36) Benzene	6.88	78	490416	1.756 ppbv	98
37) 1,2-Dichloroethane	6.30	62	254238	1.946 ppbv	99
38) Trichloroethene	7.82	130	209003	1.704 ppbv	97
39) 1,2-Dichloropropane	7.60	63	179329	1.728 ppbv	95
40) 1,4-Dioxane	7.86	88	55383m	1.831 ppbv	
41) Tetrahydrofuran	6.06	42	96146	1.624 ppbv	96
42) Bromodichloromethane	7.78	83	357392	1.828 ppbv	95
43) Methyl Methacrylate	8.01	69	152642	1.613 ppbv	96

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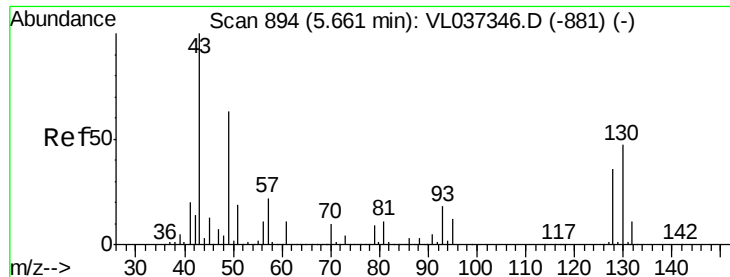
Manual Integrations
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MMDadoda
 8/10/2021 6:09:30 PM

Quant Time: Aug 06 16:37:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	830356	1.796	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	85569	1.195	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	141929	1.375	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	200238	1.789	ppbv	96
48) Dibromochloromethane	10.29	129	306526	1.819	ppbv	99
49) Bromoform	13.02	173	235730m	1.841	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	285321	1.723	ppbv	100
51) 2-Hexanone	10.16	43	138518m	1.834	ppbv	
52) Tetrachloroethene	11.21	164	202522	1.670	ppbv	97
53) Toluene	9.79	91	572158	1.726	ppbv	100
54) 1,2-Dibromoethane	10.60	107	275608	1.775	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	248257m	1.956	ppbv	
57) Chlorobenzene	12.13	112	431504	1.760	ppbv	94
58) Ethyl Benzene	12.69	91	722084	1.703	ppbv	96
59) m/p-Xylene	12.98	91	1314228m	3.685	ppbv	
60) o-Xylene	13.68	91	596581	1.807	ppbv	99
61) Styrene	13.51	104	315098m	1.756	ppbv	
62) Isopropylbenzene	14.65	105	896340	1.875	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	423007	1.804	ppbv	100
64) n-propylbenzene	15.55	120	233032m	1.876	ppbv	
65) tert-Butylbenzene	16.73	119	840894	1.923	ppbv	98
66) Benzyl Chloride	16.98	91	28695m	1.758	ppbv	
67) sec-Butylbenzene	17.27	105	1129969	1.918	ppbv	98
69) p-Isopropyltoluene	17.64	119	962788	1.938	ppbv	99
70) n-Butylbenzene	18.54	91	844062	1.865	ppbv	98
71) 2-Chlorotoluene	15.44	91	609665	1.826	ppbv	97
72) 4-Ethyltoluene	15.82	105	734437	1.855	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	657054	1.845	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	742073	1.963	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	448550m	1.929	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	457719m	1.984	ppbv	
77) 1,2-Dichlorobenzene	17.80	146	423311	1.877	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	368353	1.851	ppbv	98
79) Naphthalene	22.19	128	468617	1.440	ppbv	97
80) Naphthalene, 2-methyl-	24.97	142	75592	1.491	ppbv	88
81) 1,2,4-Trichlorobenzene	21.91	180	334263m	1.734	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 908683

Ion Ratio Lower Upper

49 100

128 64.5 32.1 96.3

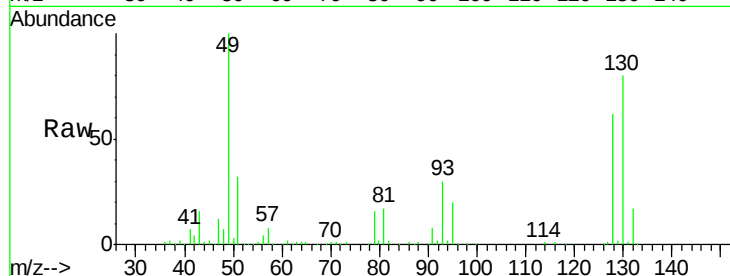
130 83.4 40.0 120.0

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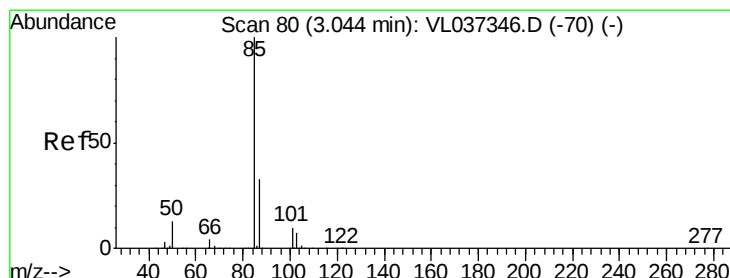
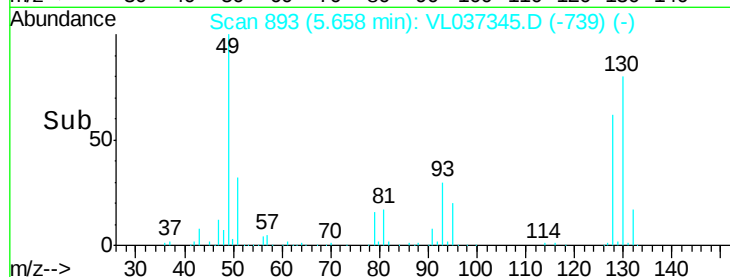
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 1.697 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL037345.D

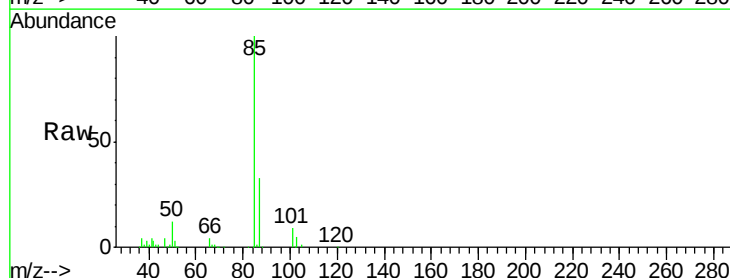
Acq: 6 Aug 2021 14:28

Tgt Ion: 85 Resp: 342983

Ion Ratio Lower Upper

85 100

87 32.6 26.4 39.6

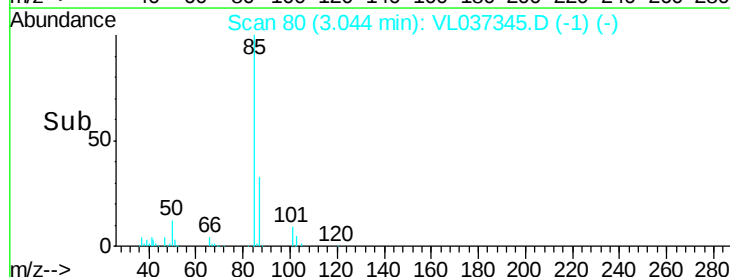


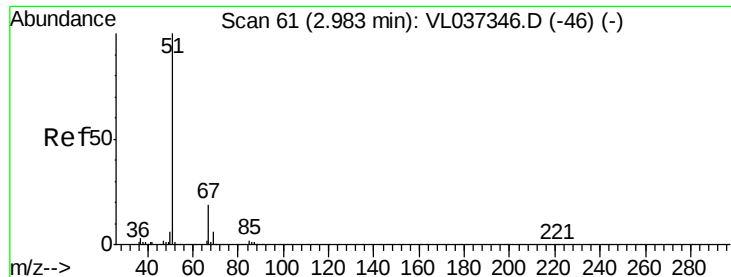
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

Time-->





#3

Chlorodifluoromethane

Concen: 1.991 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 51 Resp: 375764

Ion Ratio Lower Upper

51 100

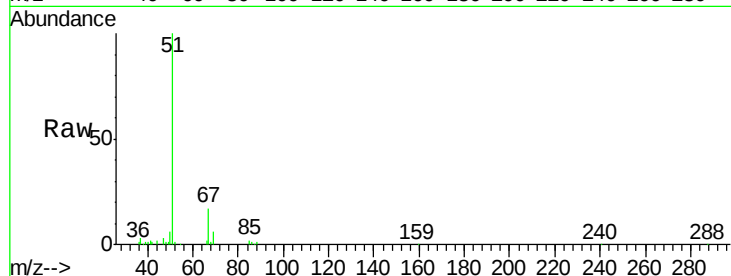
67 19.2 15.6 23.4

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

250000

200000

150000

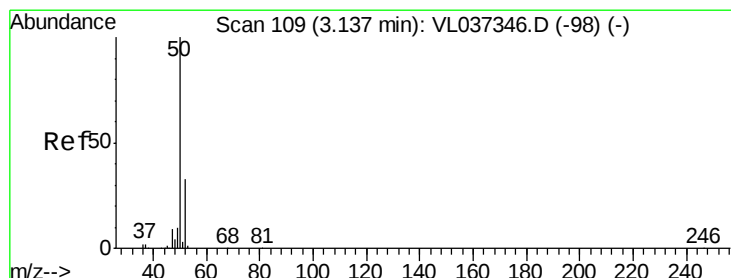
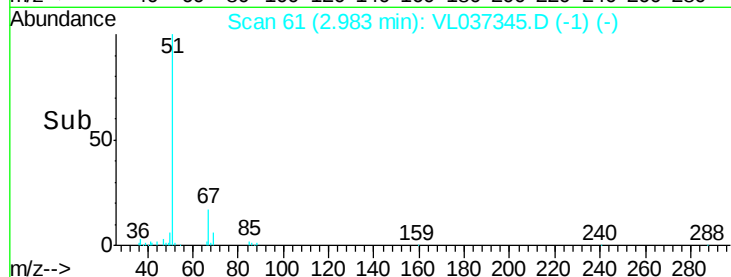
100000

50000

0

2.90 3.00 3.10

Time-->



#4

Chloromethane

Concen: 1.870 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL037345.D

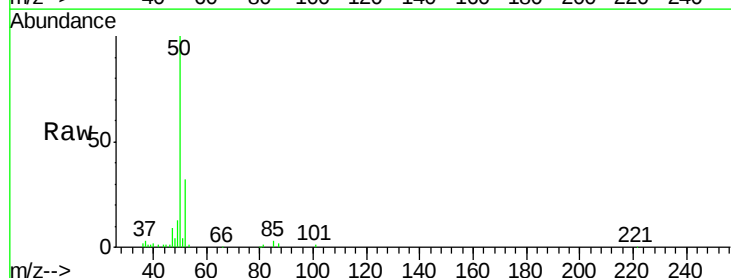
Acq: 6 Aug 2021 14:28

Tgt Ion: 50 Resp: 124978

Ion Ratio Lower Upper

50 100

52 32.6 26.3 39.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

80000

60000

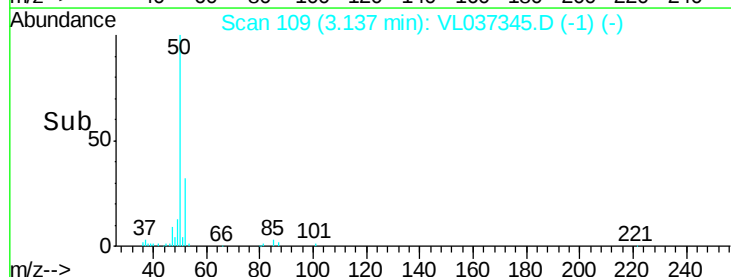
40000

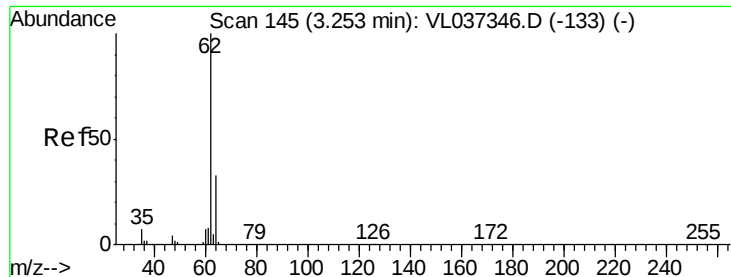
20000

0

3.10 3.15

Time-->





#5

Vinyl Chloride

Concen: 1.731 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 121229

Ion Ratio Lower Upper

62 100

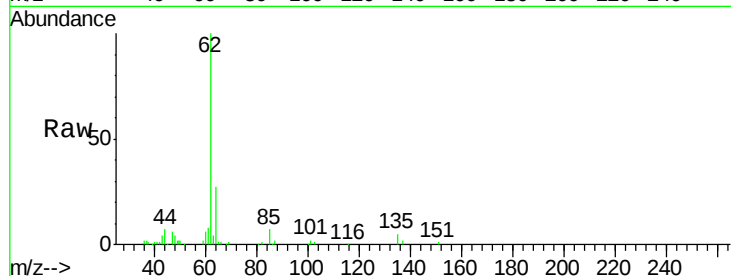
64 26.8 26.4 39.6

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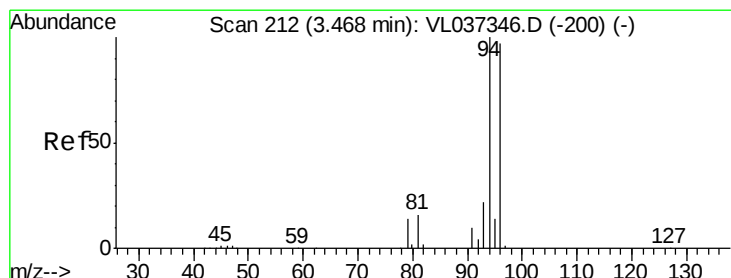
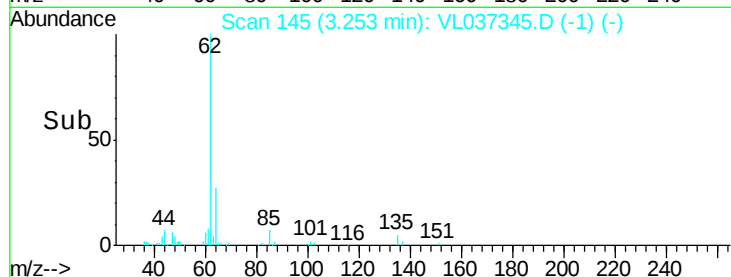
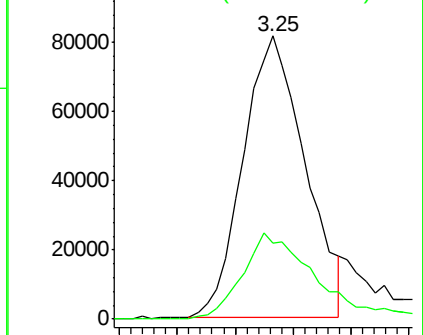
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.825 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL037345.D

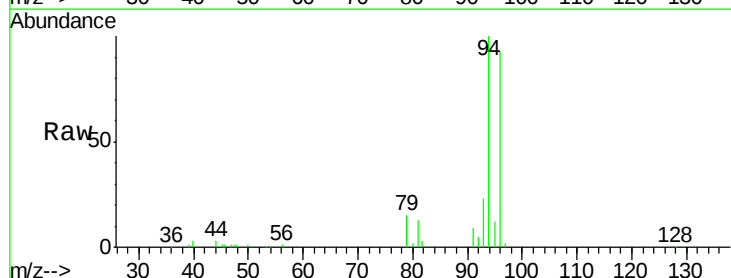
Acq: 6 Aug 2021 14:28

Tgt Ion: 94 Resp: 78526

Ion Ratio Lower Upper

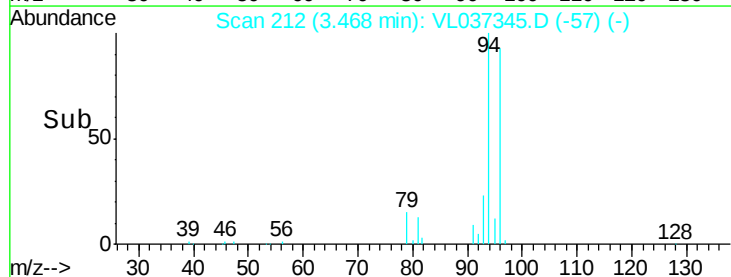
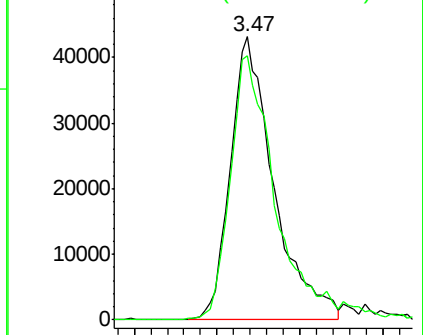
94 100

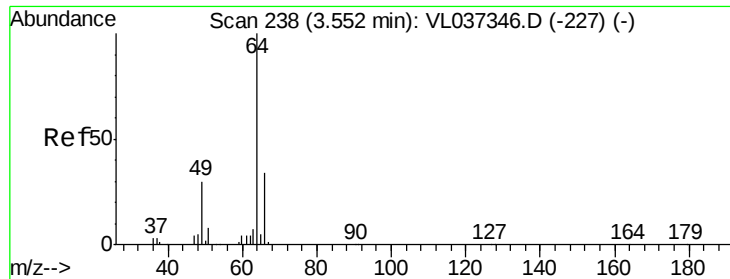
96 92.7 77.4 116.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 2.145 ppbv m

RT: 3.55 min Scan# 237

Delta R.T. -0.00 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 53797

Ion Ratio Lower Upper

64 100

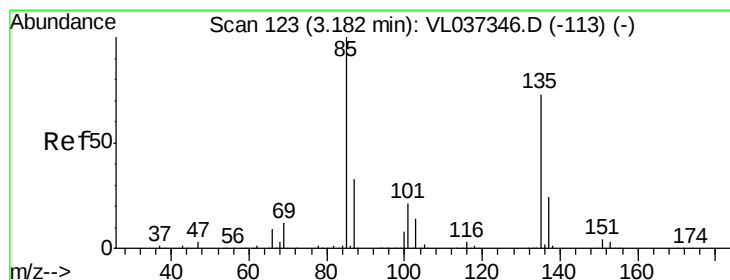
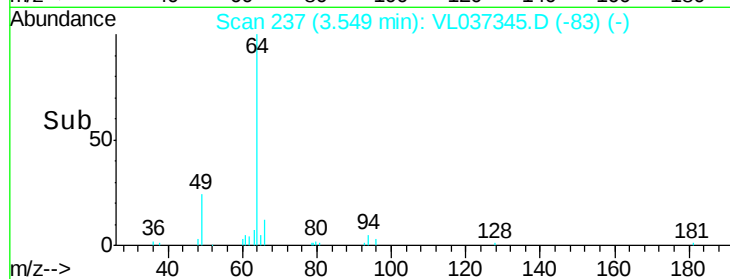
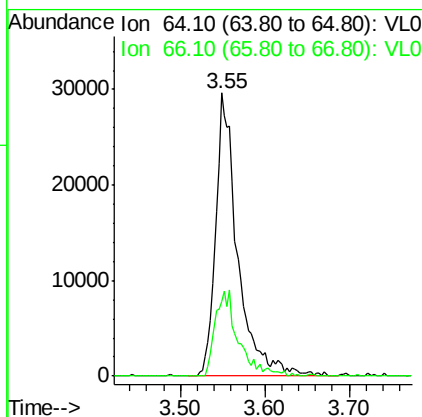
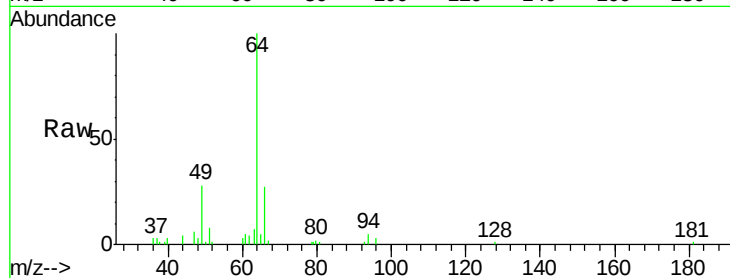
66 26.6 26.8 40.2#

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#8

Dichlorotetrafluoroethane

Concen: 1.996 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL037345.D

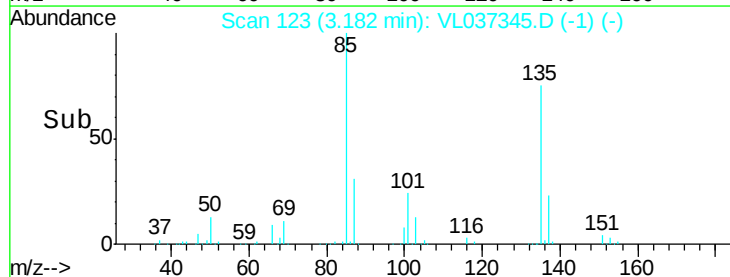
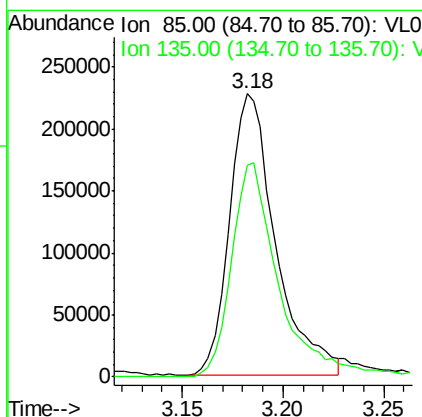
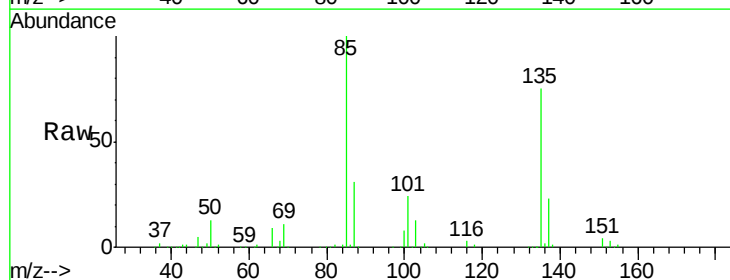
Acq: 6 Aug 2021 14:28

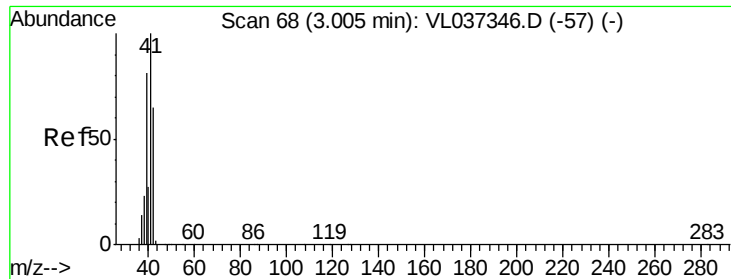
Tgt Ion: 85 Resp: 361913

Ion Ratio Lower Upper

85 100

135 80.1 63.2 94.8





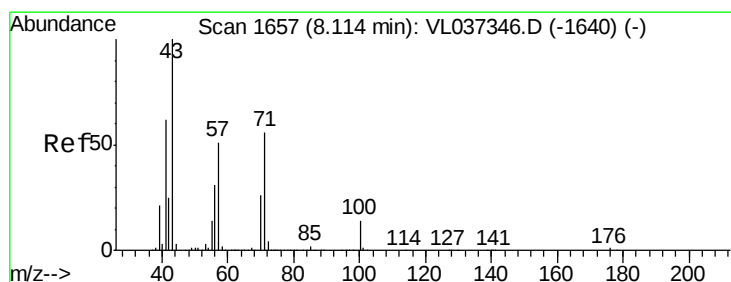
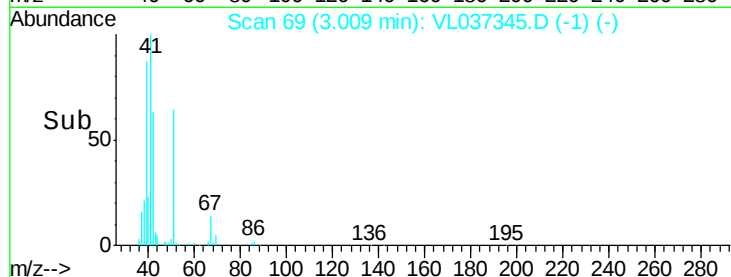
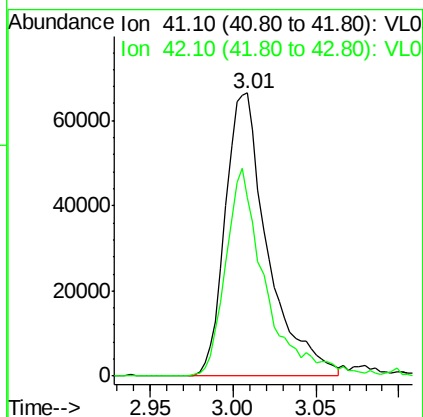
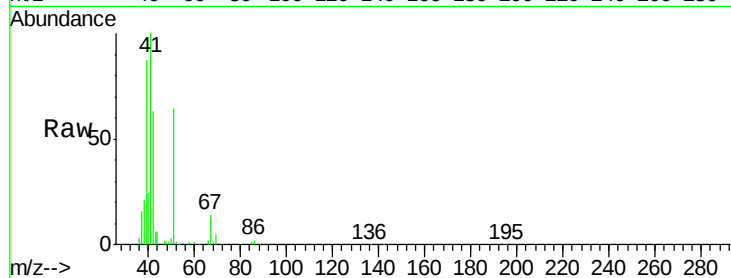
#9
 Propene
 Concen: 1.761 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. 0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 41 Resp: 118483
 Ion Ratio Lower Upper
 41 100
 42 68.8 54.3 81.5

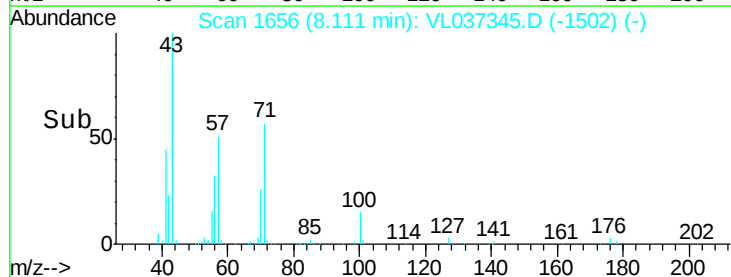
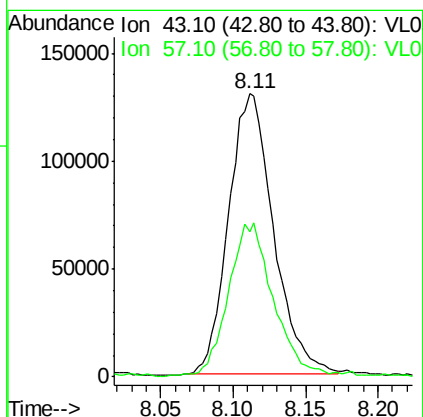
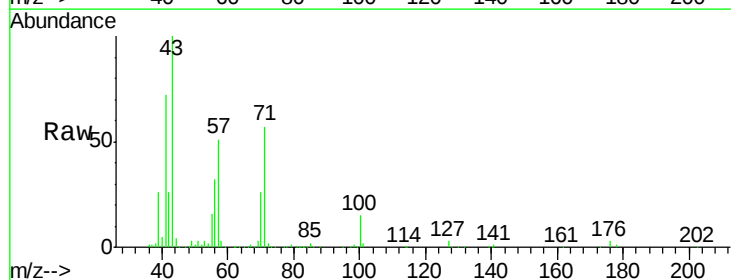
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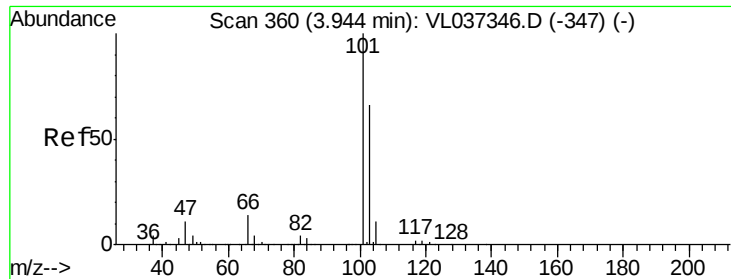
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#10
 Heptane
 Concen: 1.775 ppbv
 RT: 8.11 min Scan# 1656
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Tgt Ion: 43 Resp: 280315
 Ion Ratio Lower Upper
 43 100
 57 55.2 41.9 62.9





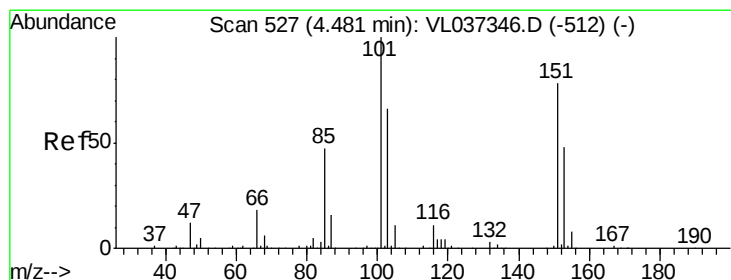
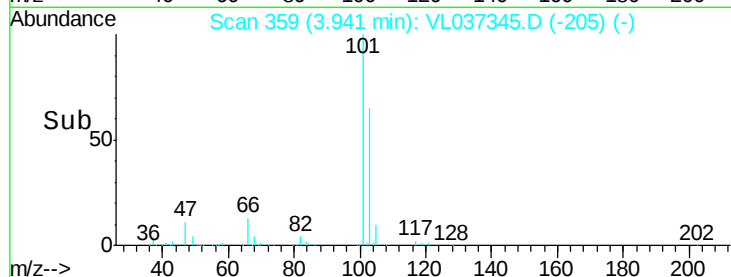
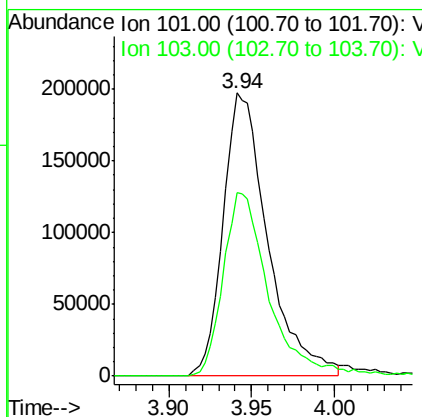
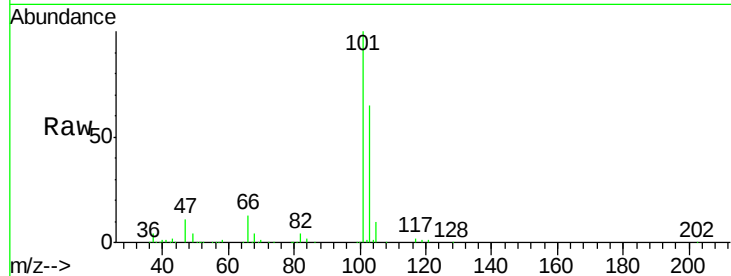
#11
 Trichlorofluoromethane
 Concen: 2.075 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.5	78.7

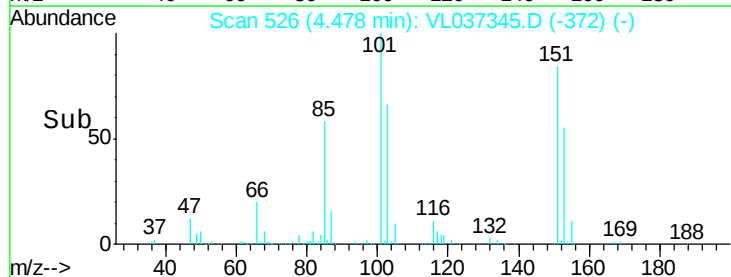
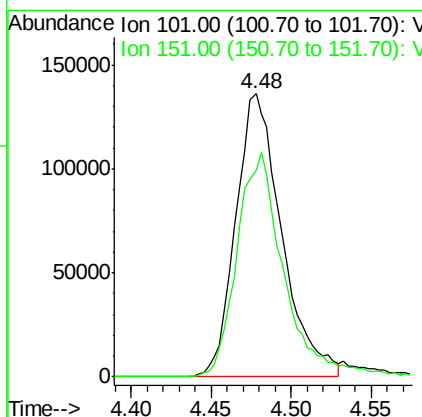
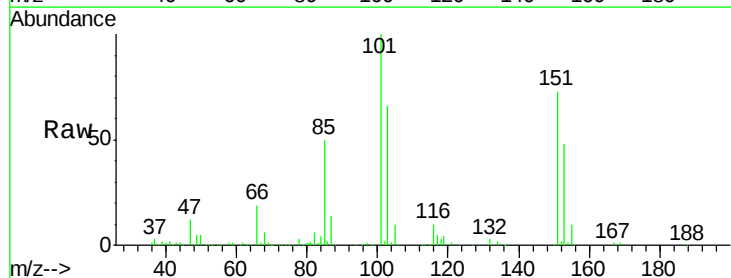
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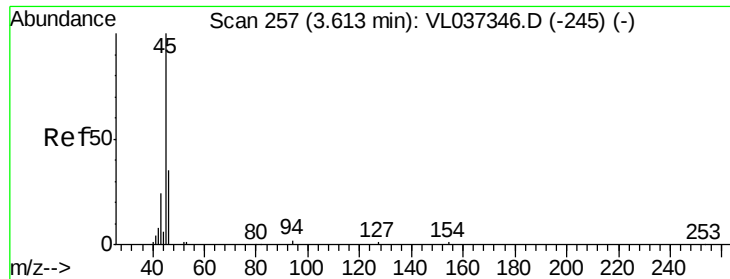
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.086 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Tgt Ion	Ratio	Lower	Upper
101	100		
151	81.7	62.4	93.6





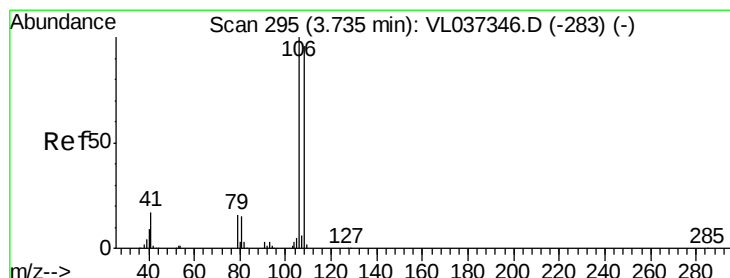
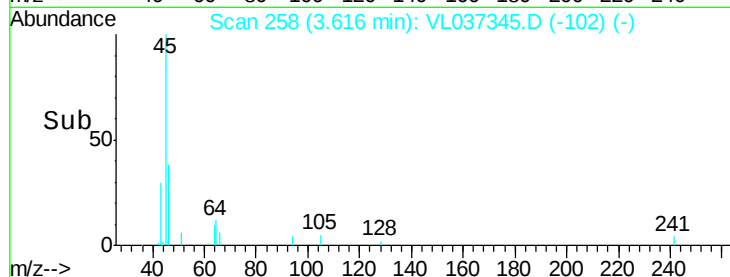
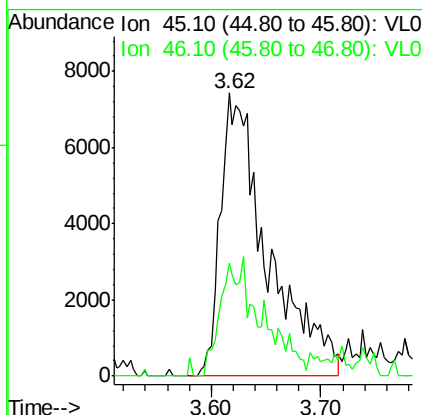
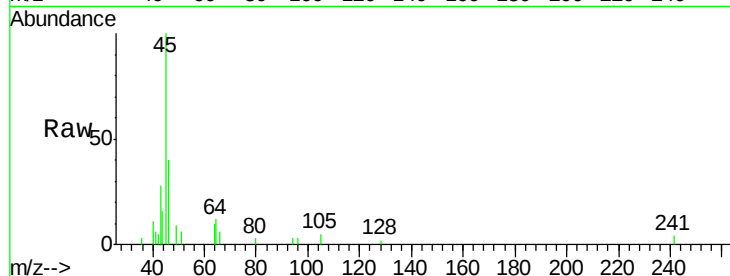
#13
Ethanol
Concen: 2.177 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.00 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.7	62.9#

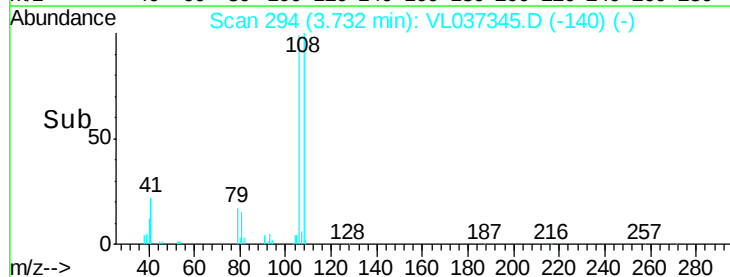
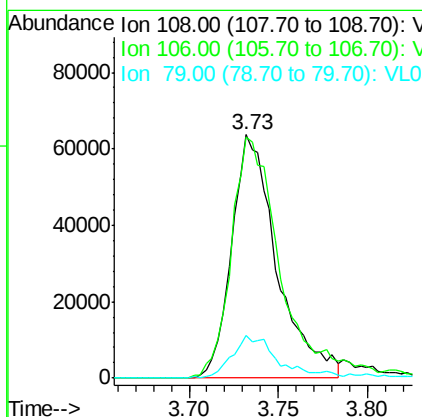
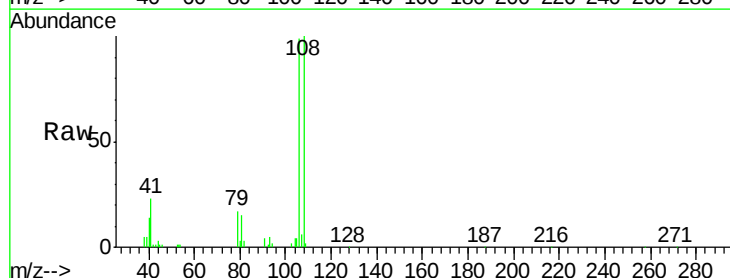
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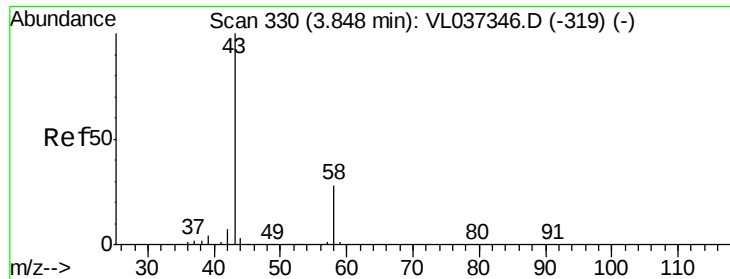
MMDadoda
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#14
Bromoethene
Concen: 1.990 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.00 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Tgt Ion	Ratio	Lower	Upper
108	100		
106	111.2	86.5	129.7
79	19.2	13.8	20.6





#15

Acetone

Concen: 2.007 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 201069

Ion Ratio Lower Upper

43 100

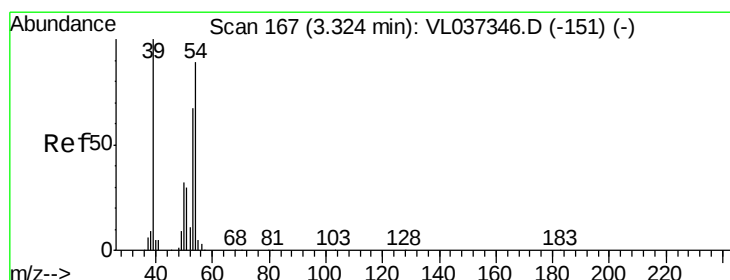
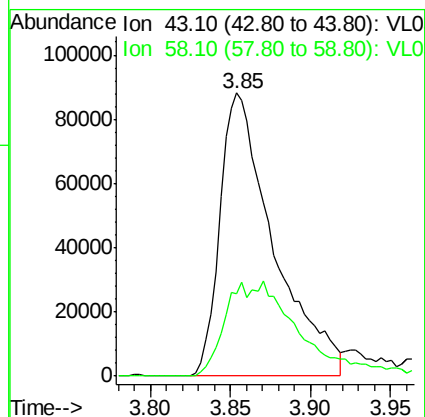
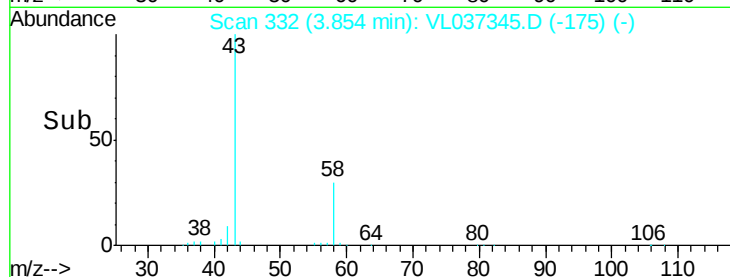
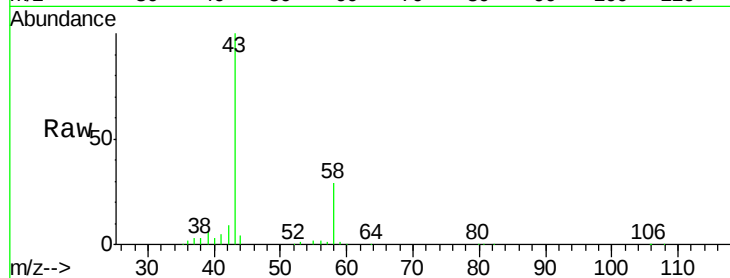
58 46.2 24.6 36.8#

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#16

1,3-Butadiene

Concen: 1.998 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL037345.D

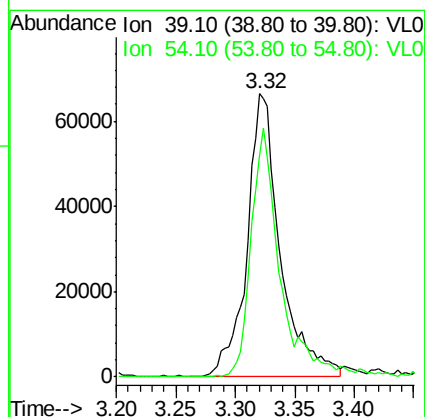
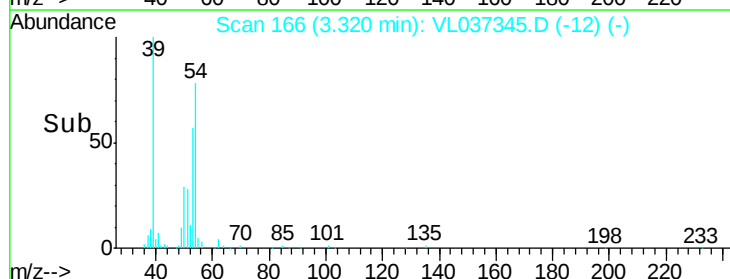
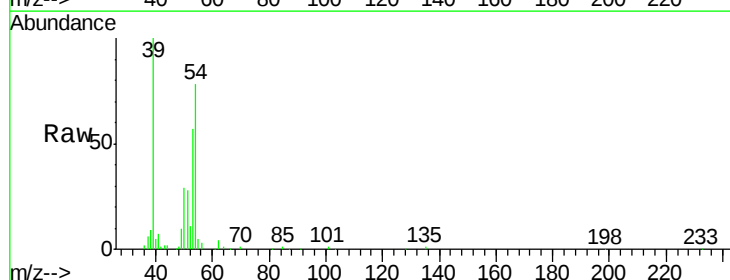
Acq: 6 Aug 2021 14:28

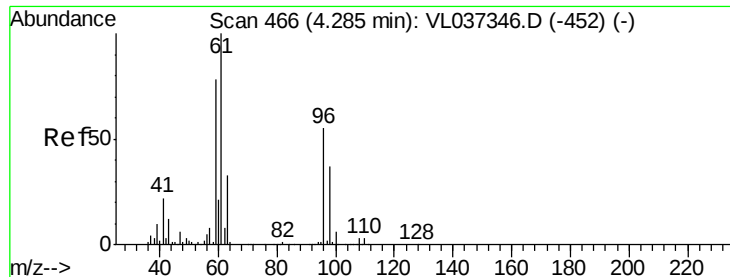
Tgt Ion: 39 Resp: 129501

Ion Ratio Lower Upper

39 100

54 77.3 64.2 96.4





#17

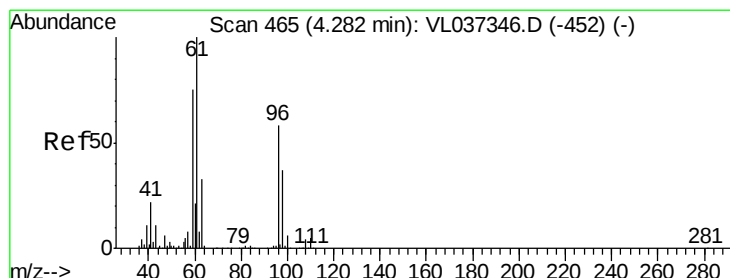
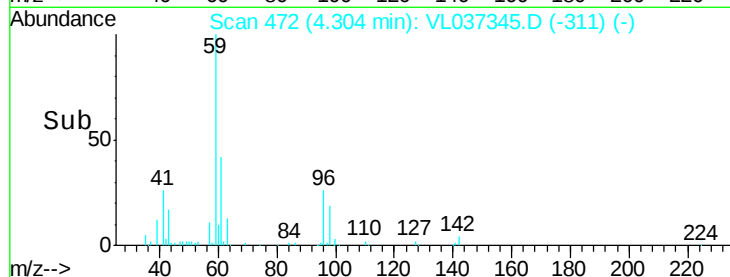
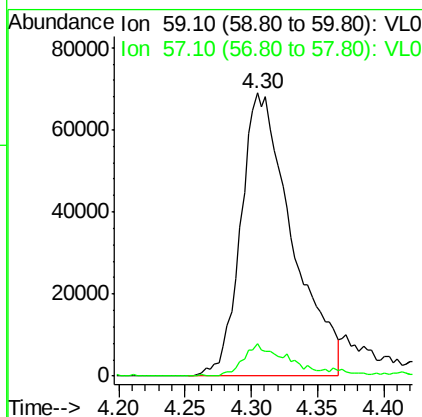
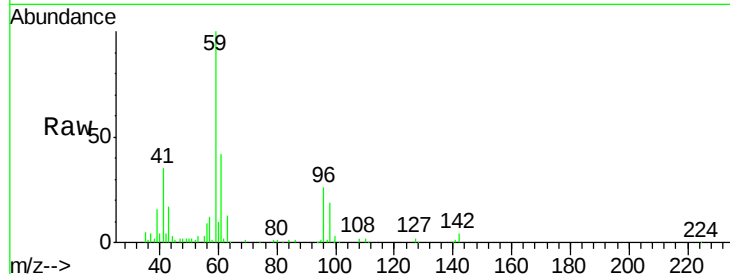
tert-Butyl alcohol
Concen: 1.841 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.02 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	59	Resp	185549
Ion Ratio	Lower	Upper	
59	100		
57	10.8	8.6	13.0

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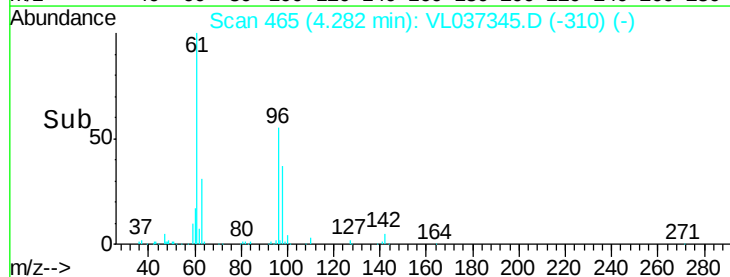
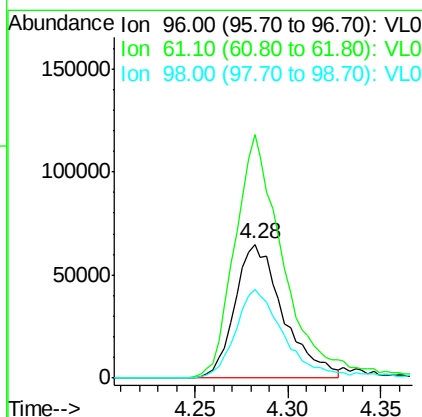
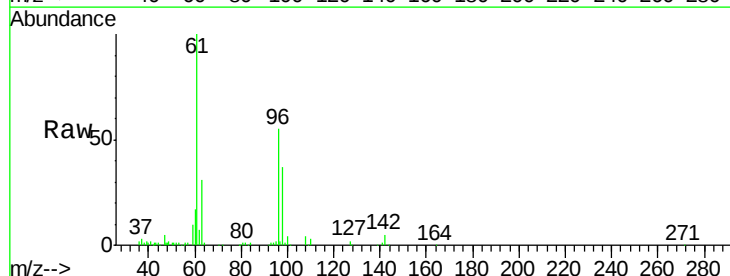
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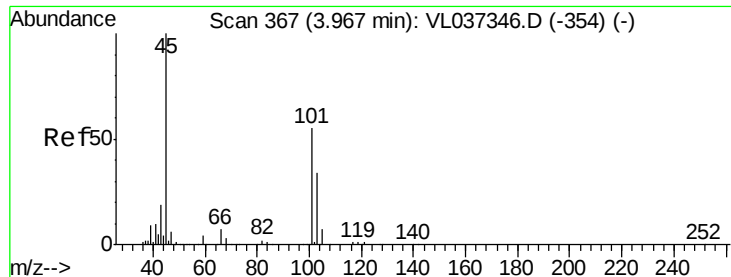


#18

1,1-Dichloroethene
Concen: 2.025 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Tgt Ion	96	Resp	118024
Ion Ratio	Lower	Upper	
96	100		
61	181.6	137.0	205.4
98	66.3	50.4	75.6





#19

Isopropyl Alcohol

Concen: 2.191 ppbv m

RT: 3.99 min Scan# 373

Delta R.T. 0.02 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 121441

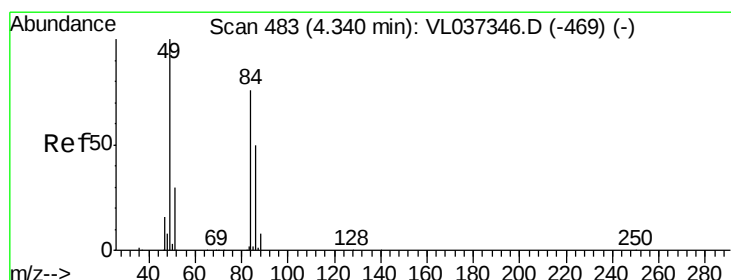
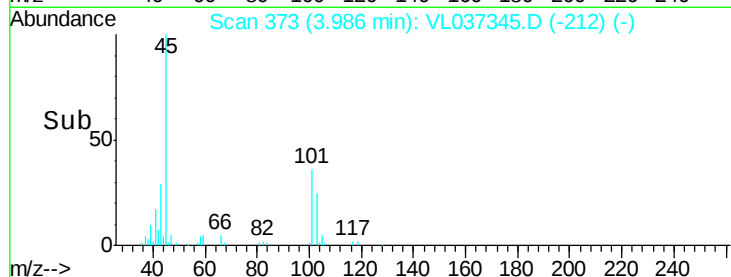
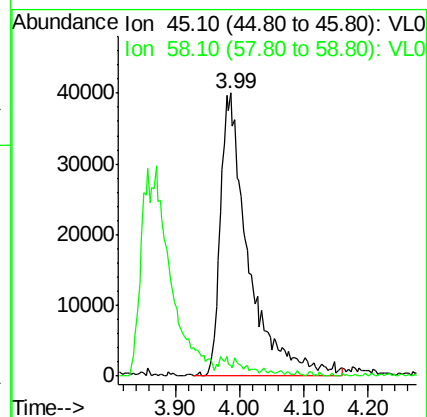
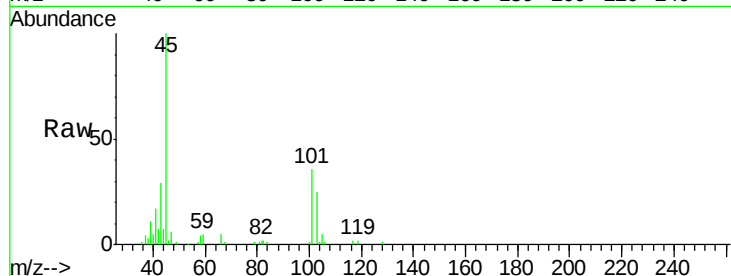
Ion Ratio Lower Upper

45 100

58 5.6 0.0 0.0#

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#20

Methylene Chloride

Concen: 2.344 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

Tgt Ion: 84 Resp: 194379

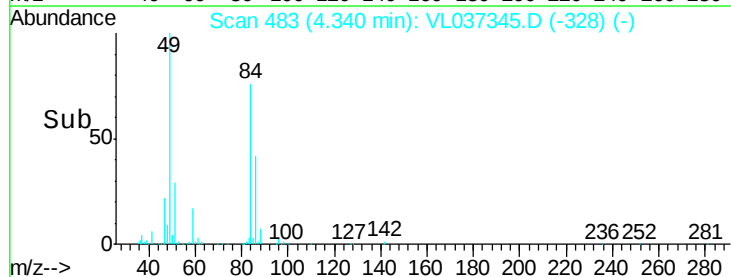
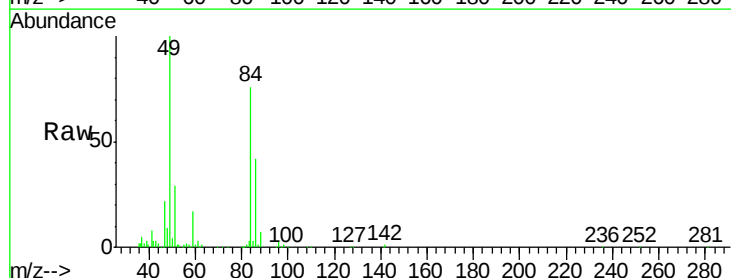
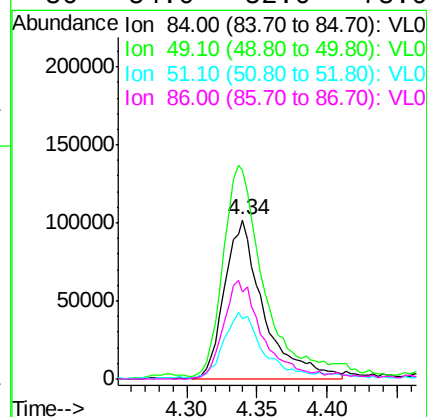
Ion Ratio Lower Upper

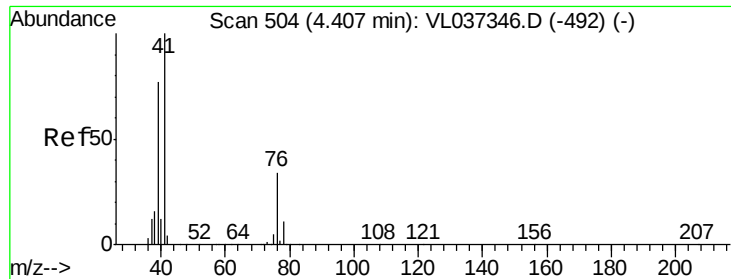
84 100

49 130.1 105.4 158.0

51 36.8 31.1 46.7

86 54.0 52.0 78.0





#21

Allvl Chloride

Concen: 1.989 ppbv m

RT: 4.40 min Scan# 503

Delta R.T. -0.00 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

Instrument :

MSVOA_L

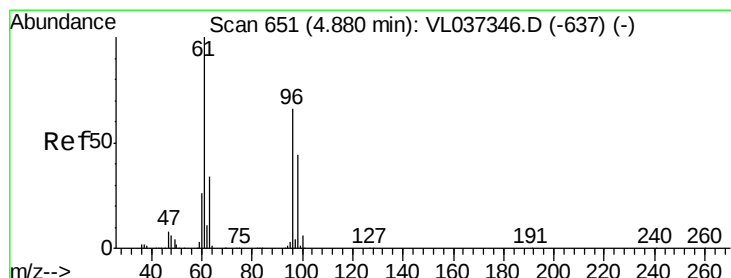
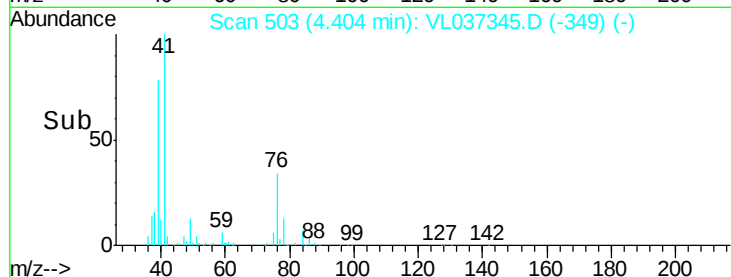
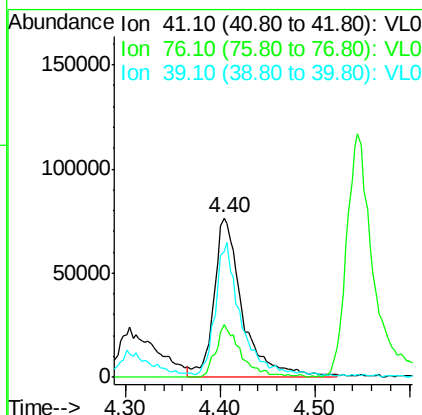
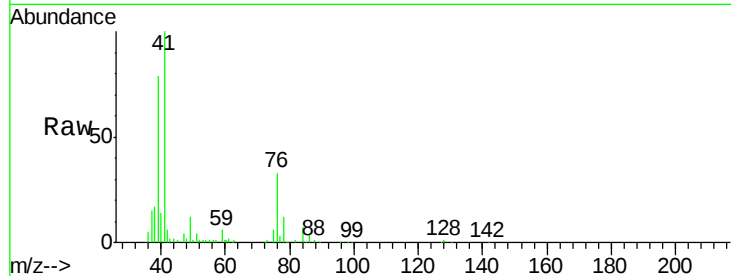
ClientSampleId :

VSTDIC002

Tot Ion:	41	Resp:	160979
Ion	Ratio	Lower	Upper
41	100		
76	29.5	25.8	38.8
39	77.0	61.6	92.4

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#22

trans-1,2-Dichloroethene

Concen: 2.088 ppbv

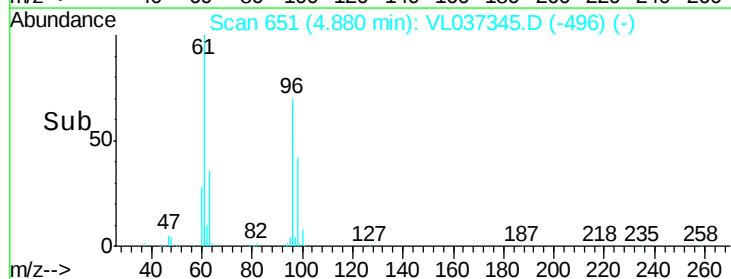
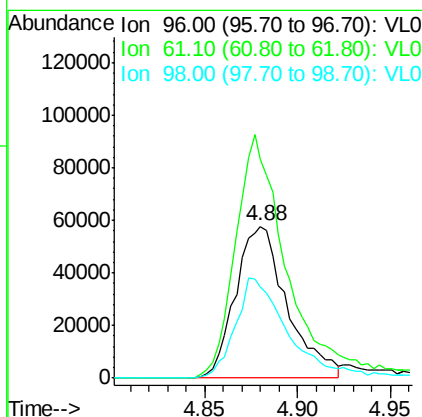
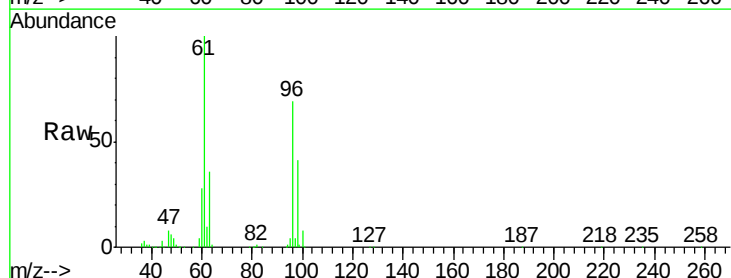
RT: 4.88 min Scan# 651

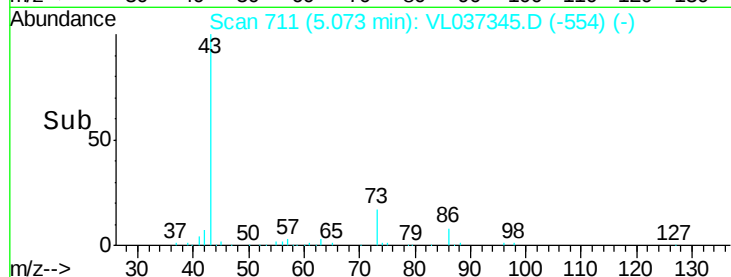
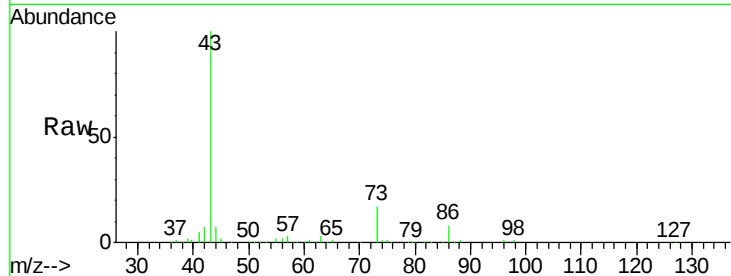
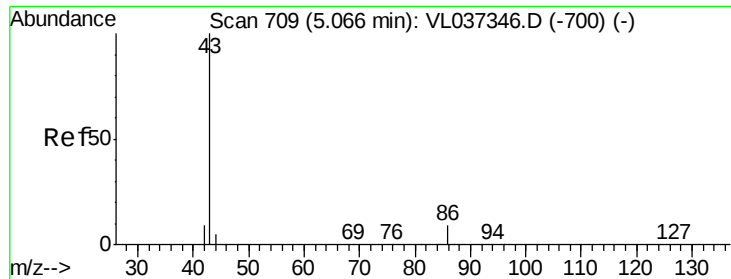
Delta R.T. -0.00 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

Tgt Ion:	96	Resp:	111979
Ion	Ratio	Lower	Upper
96	100		
61	143.8	120.6	181.0
98	59.8	53.0	79.6





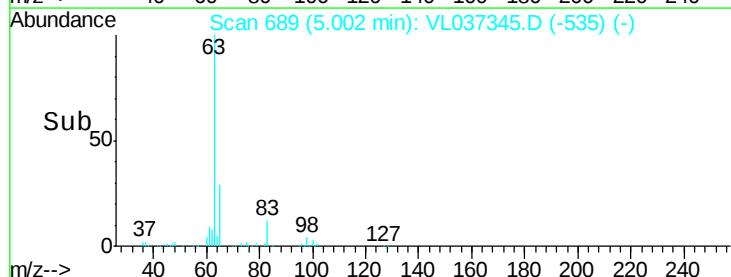
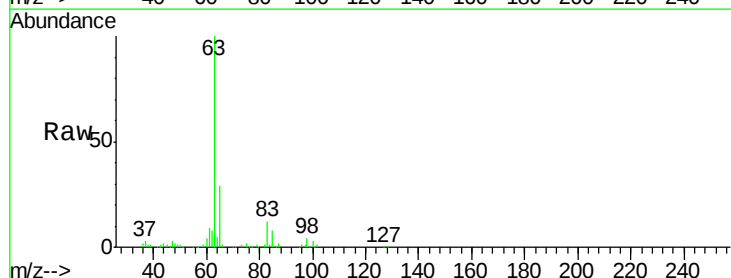
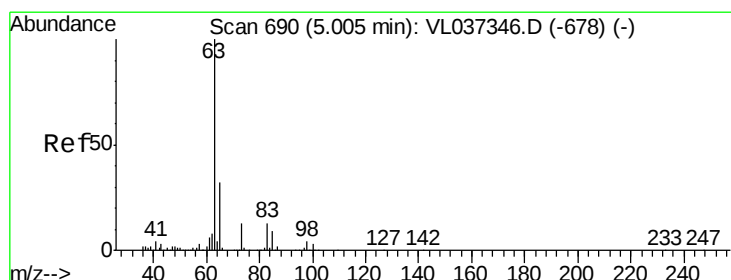
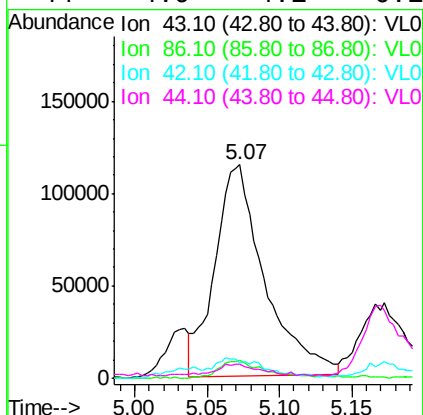
#23
Vinvl Acetate
Concen: 1.815 ppbv
RT: 5.07 min Scan# 711
Delta R.T. 0.01 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Tot Ion	43	Resp	272609
Ion Ratio	Lower	Upper	
43	100		
86	8.6	6.2	9.4
42	6.3	8.3	12.5
44	4.9	4.1	6.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

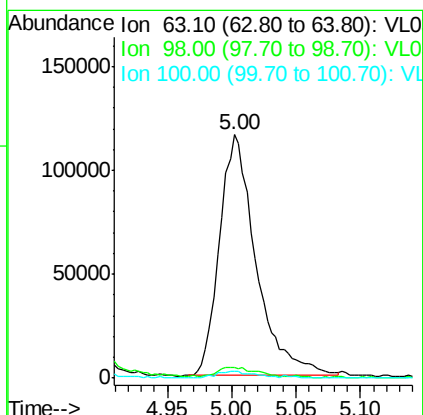
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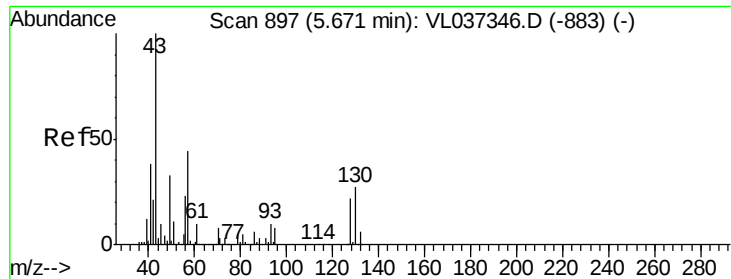
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#24
1,1-Dichloroethane
Concen: 1.785 ppbv
RT: 5.00 min Scan# 689
Delta R.T. -0.00 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Tgt Ion	63	Resp	228437
Ion Ratio	Lower	Upper	
63	100		
98	3.8	2.3	6.8
100	2.8	1.4	4.0





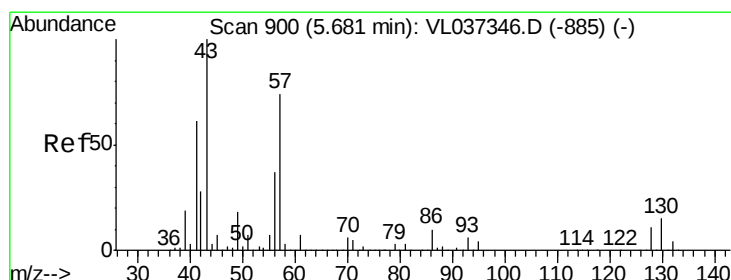
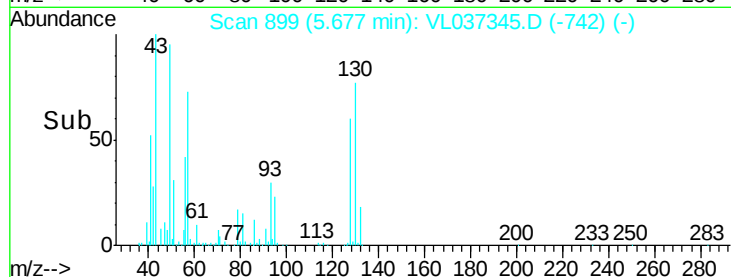
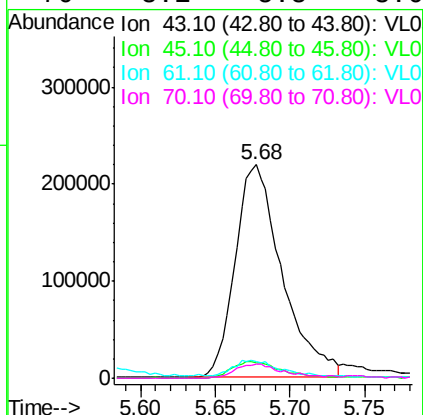
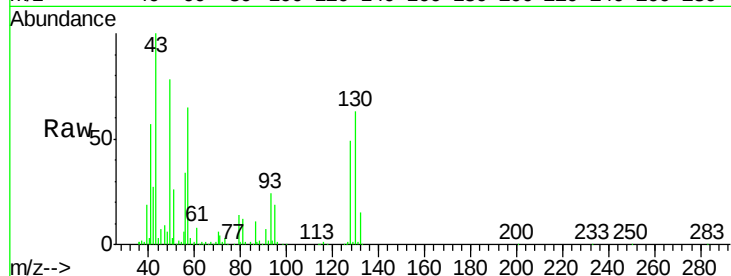
#25
Ethyl Acetate
Concen: 1.836 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	8.8	7.4	11.2	
61	9.4	8.5	12.7	
70	8.1	5.8	8.6	

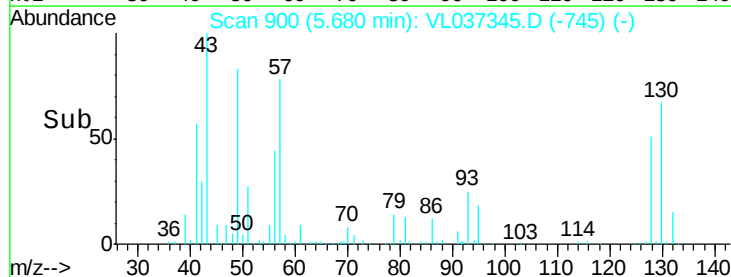
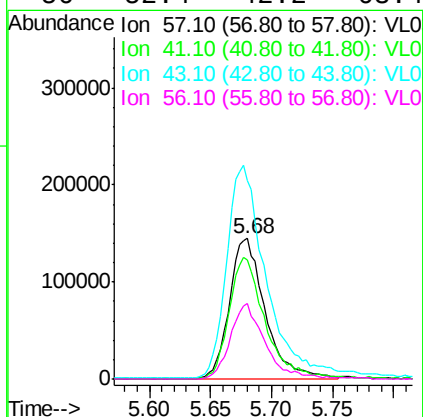
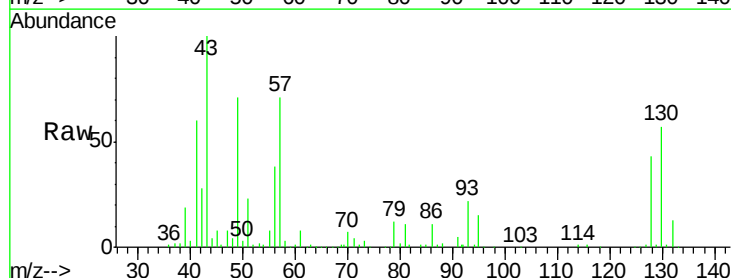
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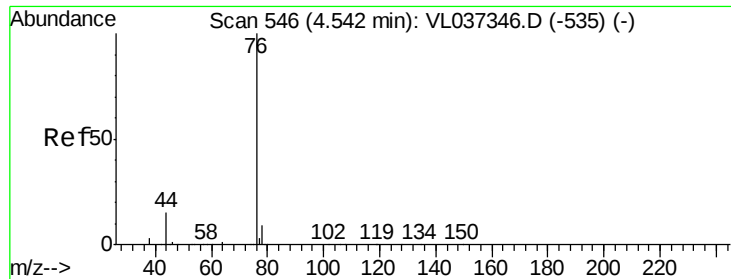
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#26
Hexane
Concen: 2.043 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	88.5	68.7	103.1	
43	173.5	162.6	244.0	
56	52.4	42.2	63.4	





#27

Carbon Disulfide

Concen: 1.799 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

Instrument :

MSVOA_L

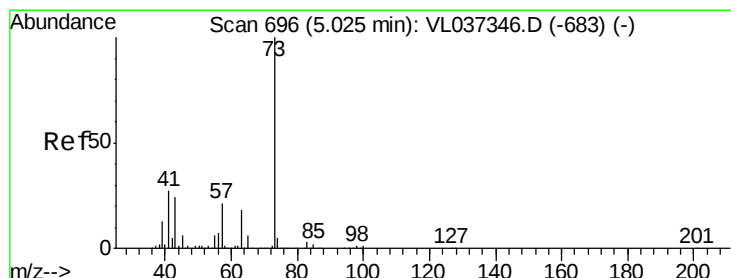
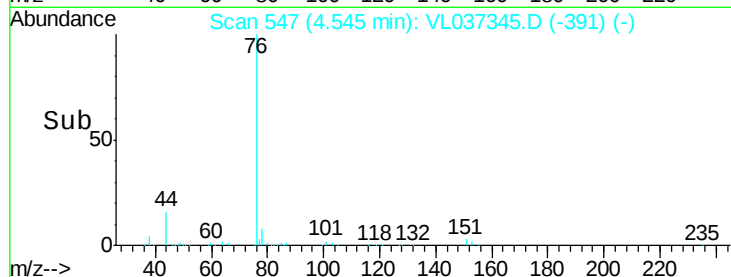
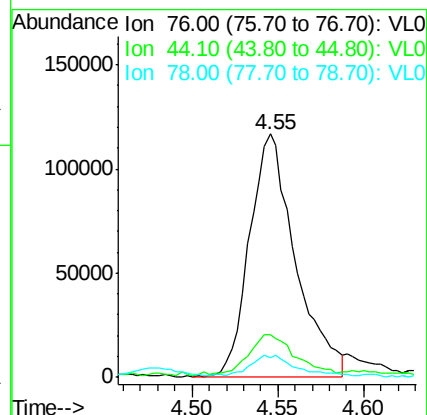
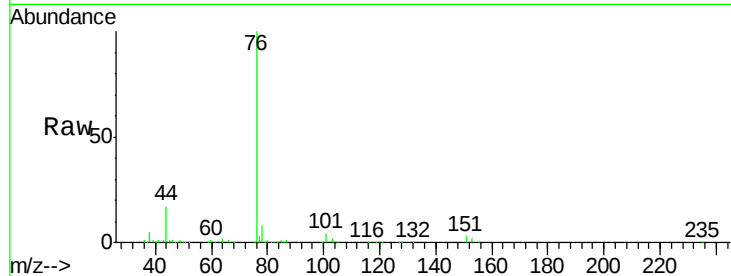
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	215489
Ion	Ratio	Lower	Upper
76	100		
44	17.7	13.2	19.8
78	10.9	8.0	12.0

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#28

Methyl tert-Butyl Ether

Concen: 1.710 ppbv

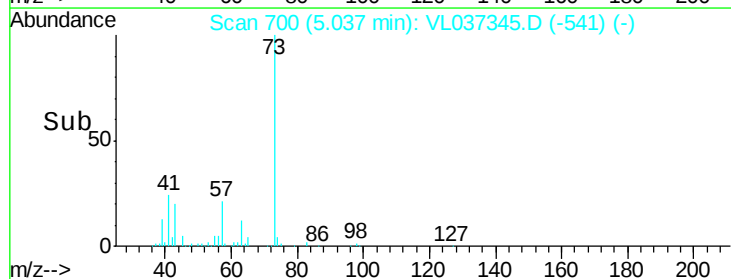
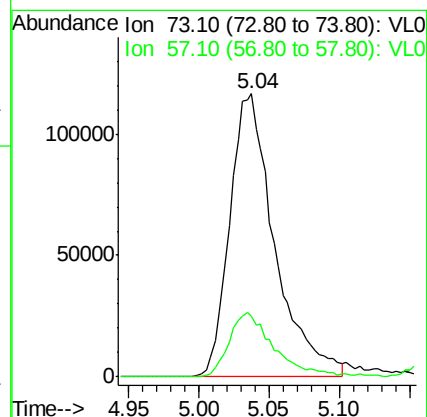
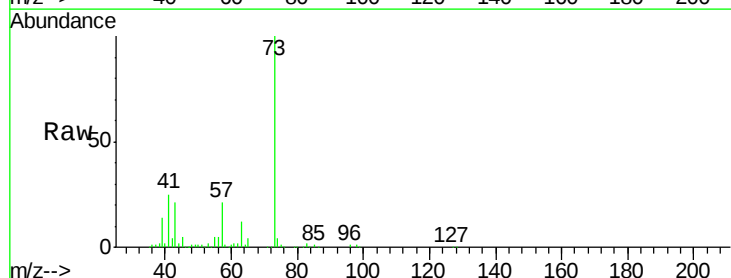
RT: 5.04 min Scan# 700

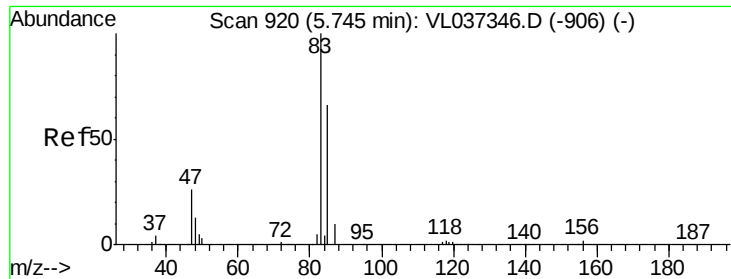
Delta R.T. 0.01 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

Tgt Ion:	73	Resp:	259328
Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.9	26.9





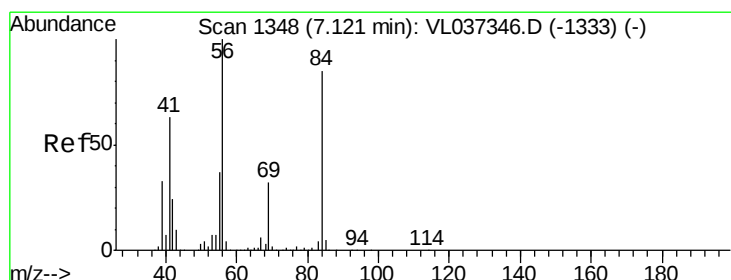
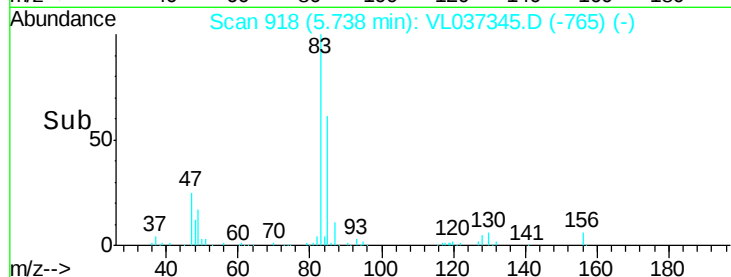
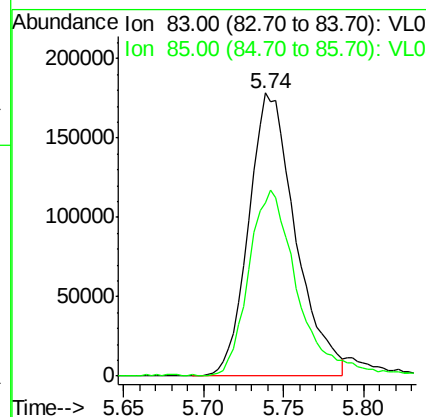
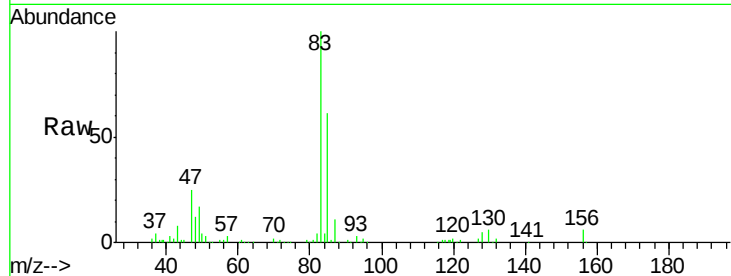
#29
Chloroform
Concen: 1.917 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	357743
Ion Ratio	100	Lower	Upper
85	60.9	53.1	79.7

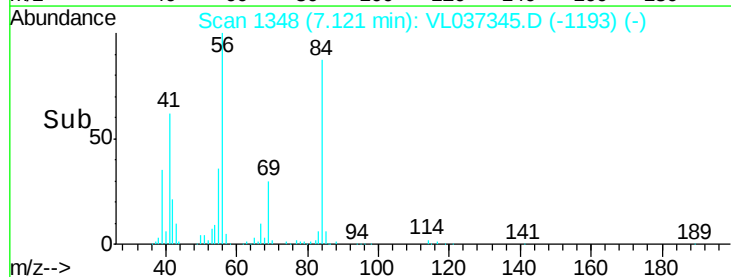
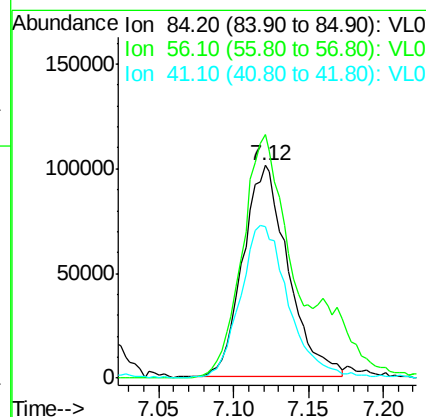
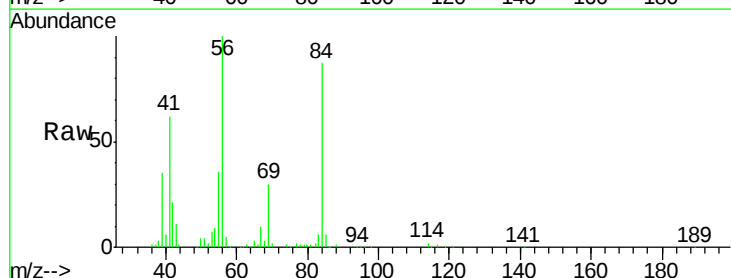
Manual Integrations
APPROVED

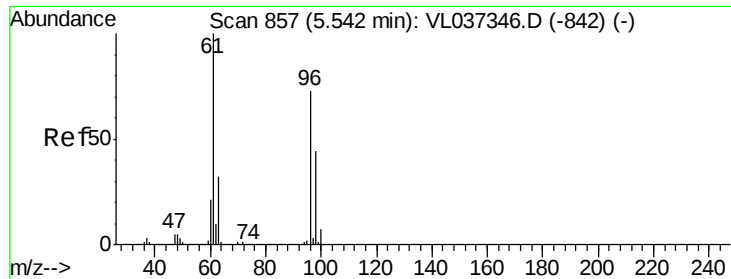
MMDadoda
8/10/2021 6:09:30 PM



#30
Cyclohexane
Concen: 1.903 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.00 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Tgt Ion	84	Resp	213837
Ion Ratio	100	Lower	Upper
56	146.6	103.3	154.9
41	77.5	61.4	92.0





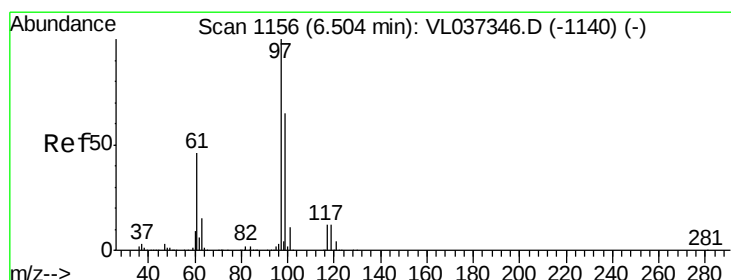
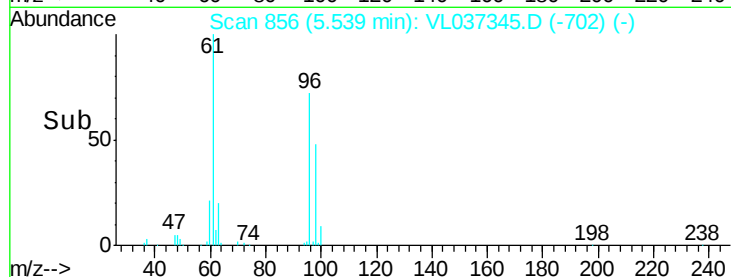
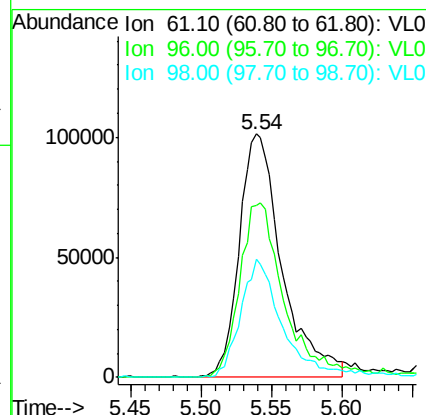
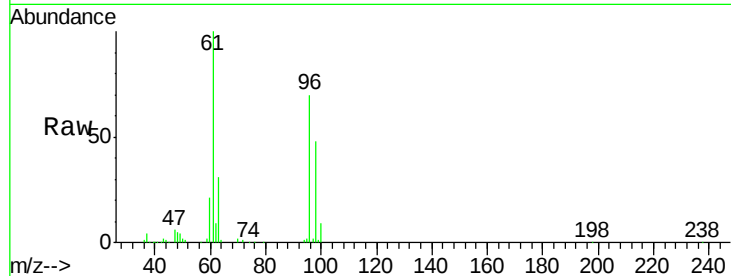
#31
 cis-1,2-Dichloroethene
 Concen: 1.894 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	61	Resp	214815
Ion Ratio	Lower	Upper	
61	100		
96	70.4	58.5	87.7
98	48.4	35.1	52.7

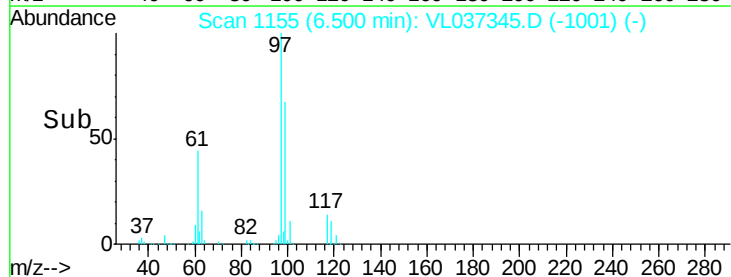
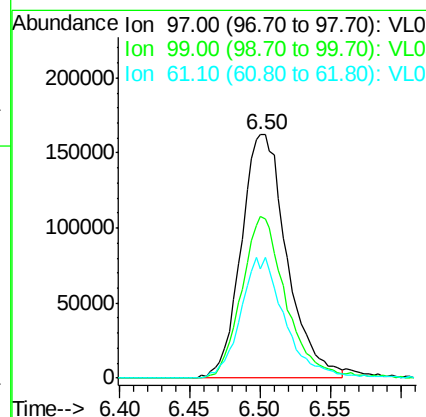
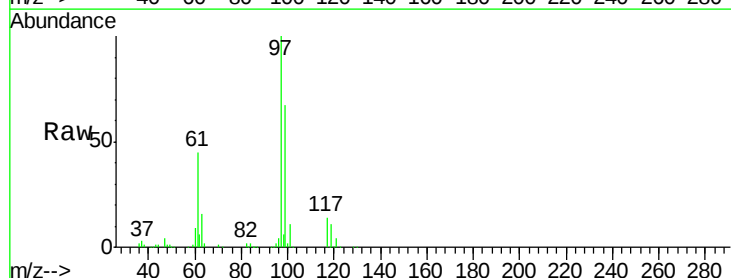
Manual Integrations
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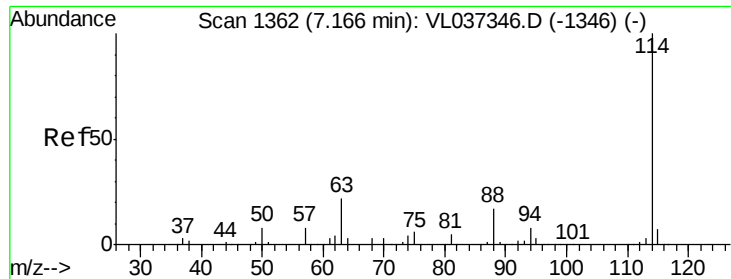
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 2.070 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Tgt Ion	97	Resp	368227
Ion Ratio	Lower	Upper	
97	100		
99	65.0	51.8	77.6
61	48.6	37.0	55.4





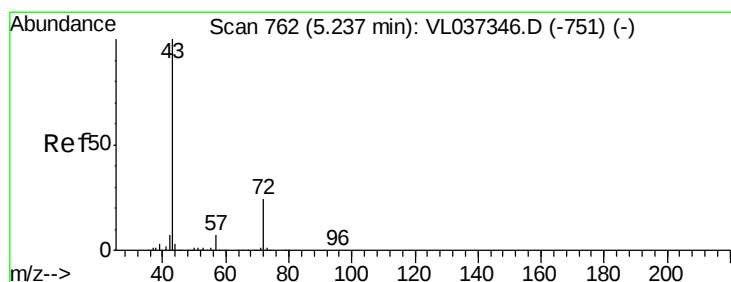
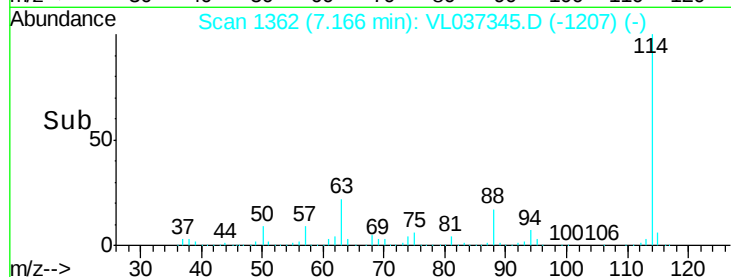
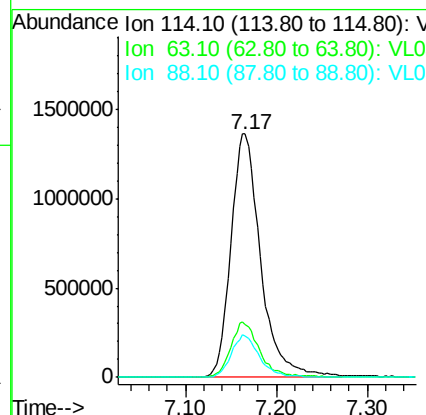
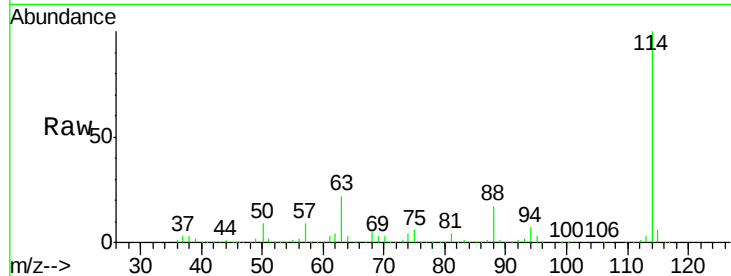
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:114 Resp: 3095592
 Ion Ratio Lower Upper
 114 100
 63 22.4 17.9 26.9
 88 17.0 13.4 20.2

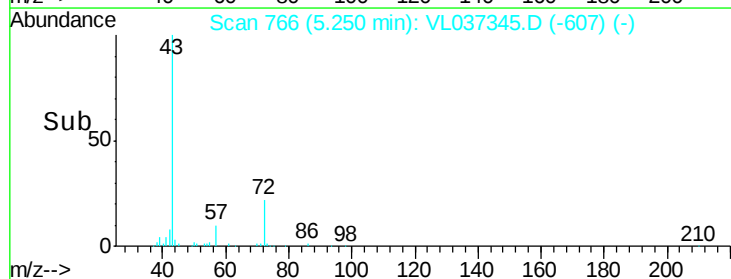
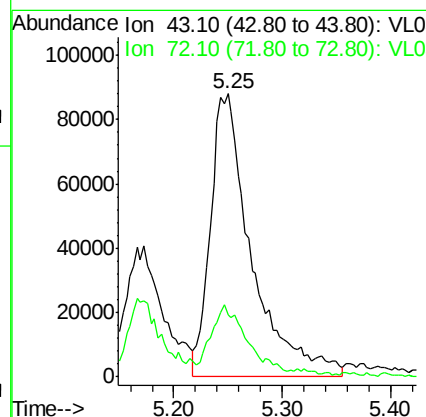
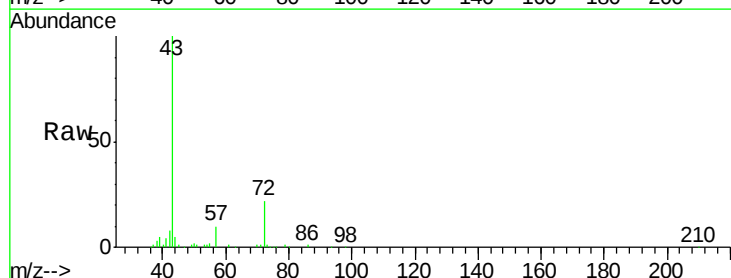
Manual Integrations
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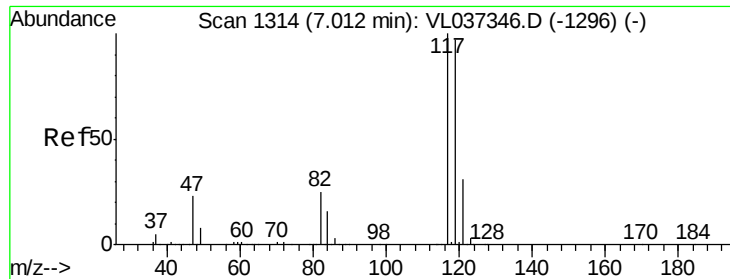
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#34
 2-Butanone
 Concen: 2.175 ppbv m
 RT: 5.25 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Tgt Ion: 43 Resp: 232671
 Ion Ratio Lower Upper
 43 100
 72 23.7 20.2 30.2





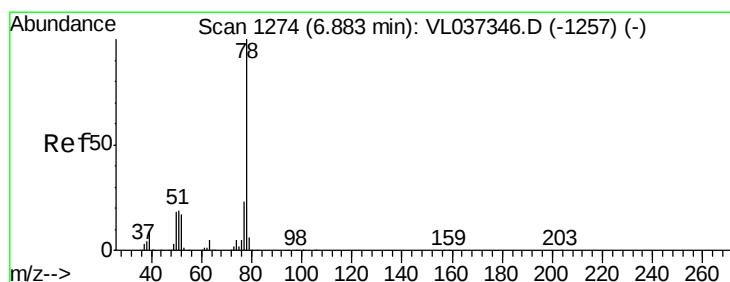
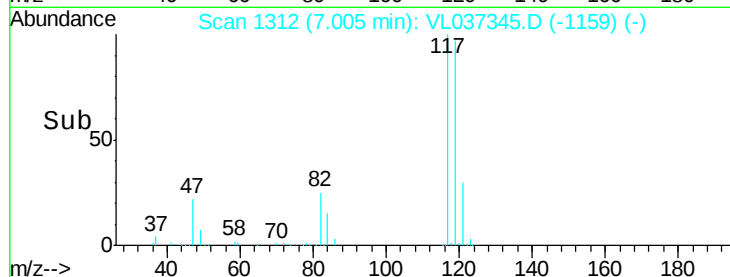
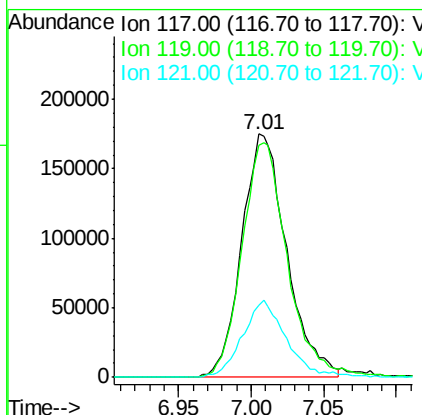
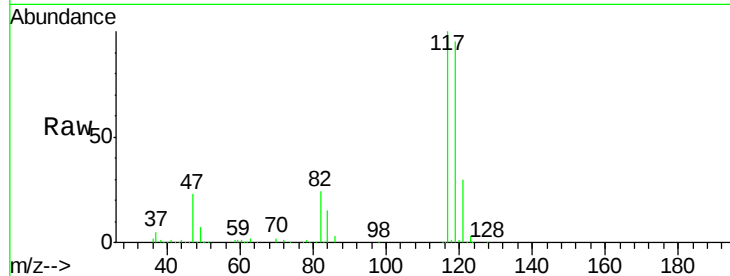
#35
Carbon Tetrachloride
Concen: 1.995 ppbv
RT: 7.01 min Scan# 1312
Delta R.T. -0.01 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.8	116.8
121	29.6	24.6	36.8

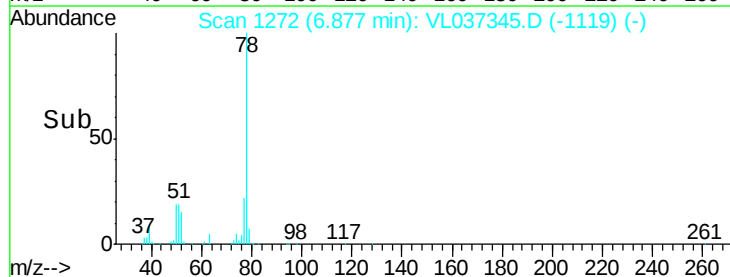
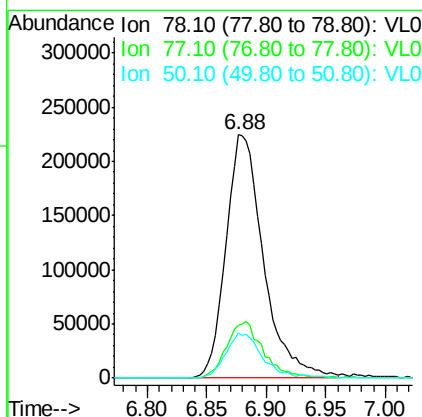
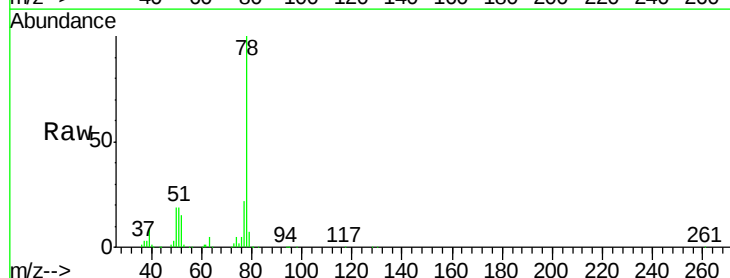
Manual Integrations
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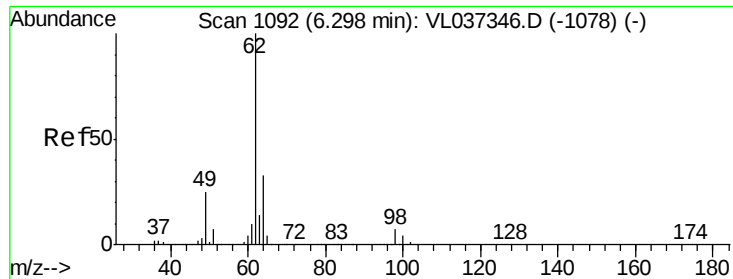
MMDadoda
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#36
Benzene
Concen: 1.756 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.6	18.7	28.1
50	18.7	14.6	22.0





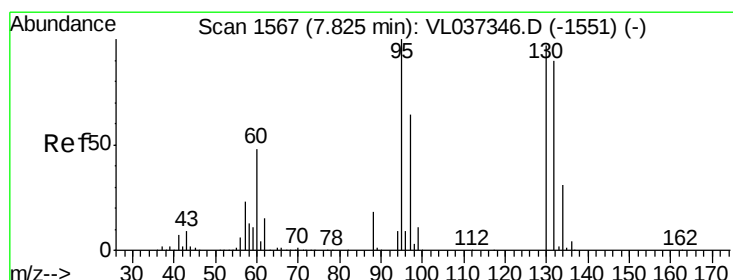
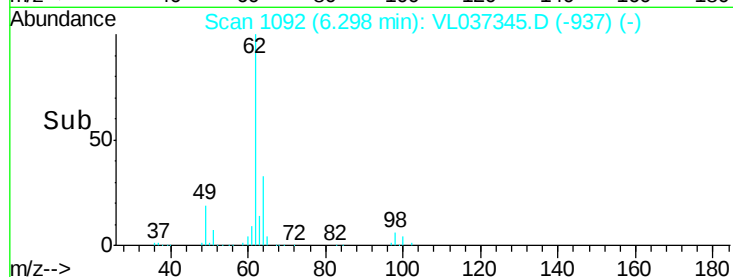
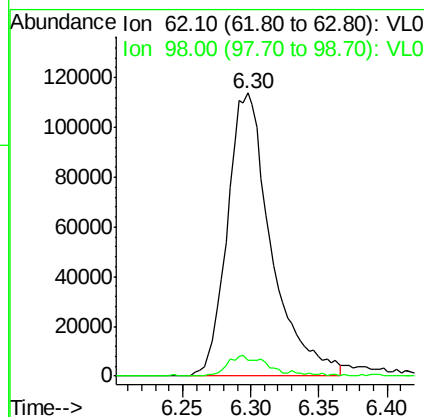
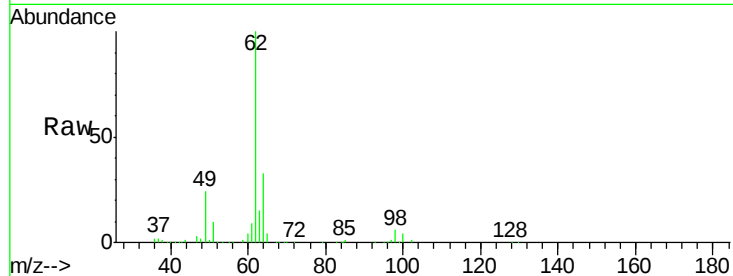
#37
 1,2-Dichloroethane
 Concen: 1.946 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	254238		
98	7.2	5.6	8.4	

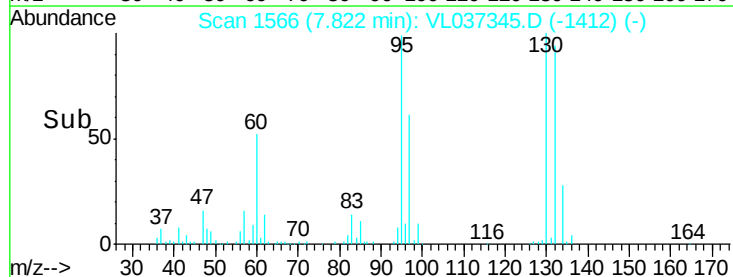
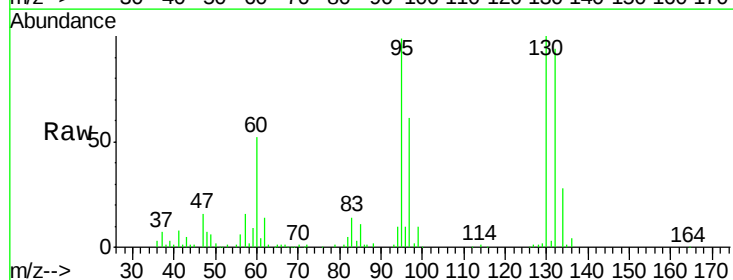
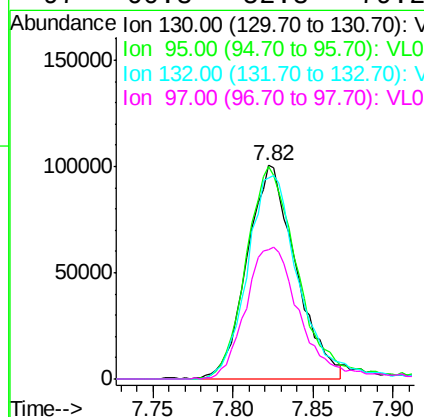
Manual Integrations
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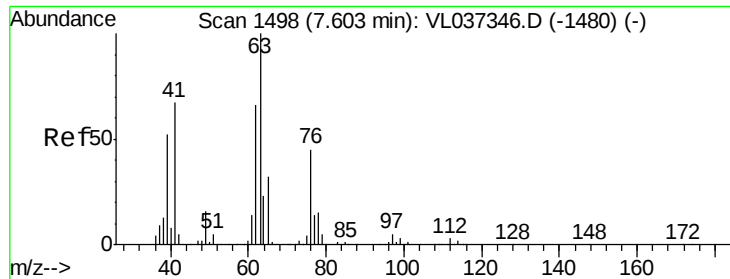
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#38
 Trichloroethene
 Concen: 1.704 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	209003		
95	99.6	82.8	124.2	
132	94.0	74.9	112.3	
97	60.8	52.8	79.2	





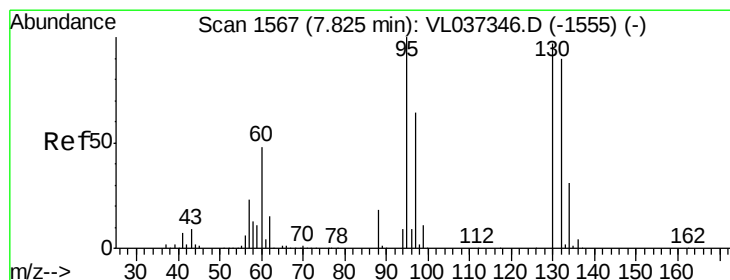
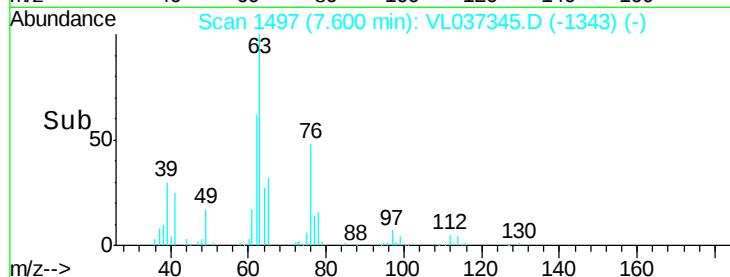
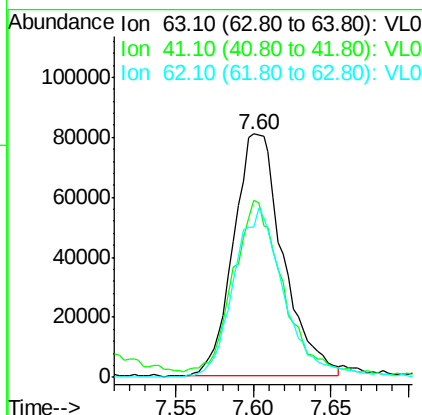
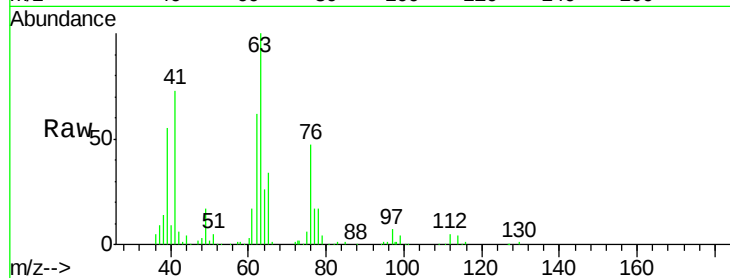
#39
 1,2-Dichloropropane
 Concen: 1.728 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
41	70.0	53.9	80.9
62	61.1	53.0	79.6

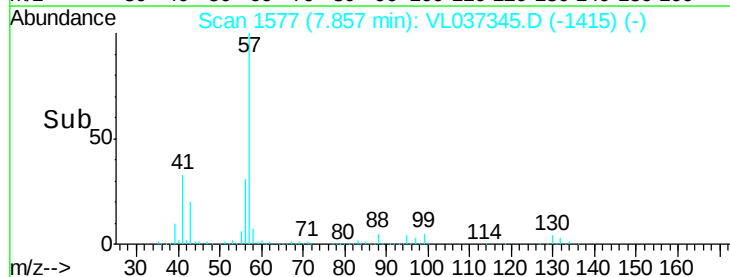
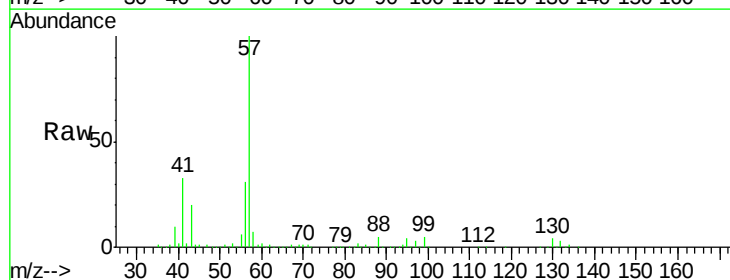
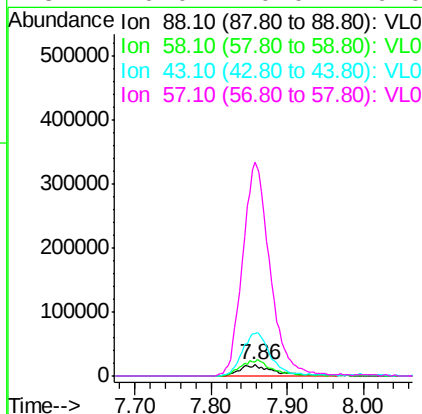
Manual Integrations
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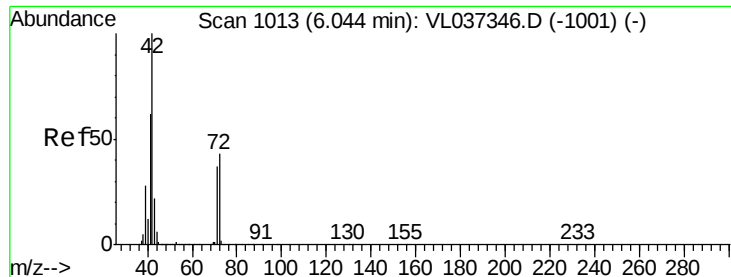
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#40
 1,4-Dioxane
 Concen: 1.831 ppbv m
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.02 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

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





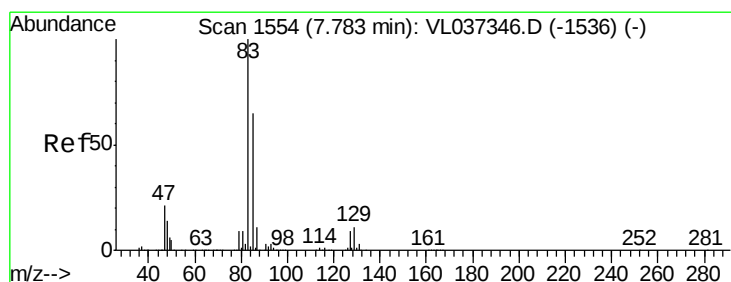
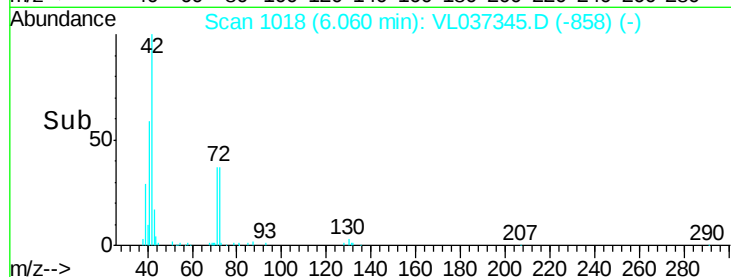
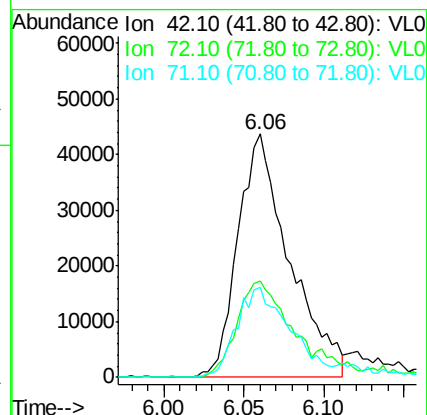
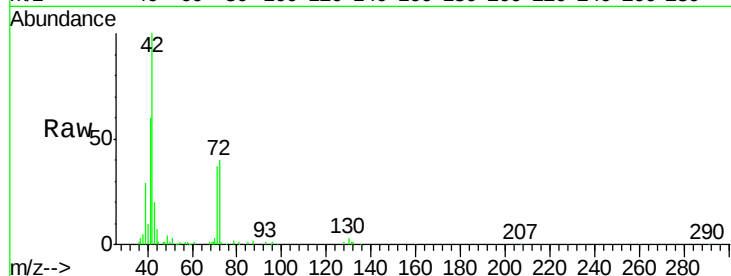
#41
Tetrahydrofuran
Concen: 1.624 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.02 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	35.6	53.4
71	43.9	33.8	50.6

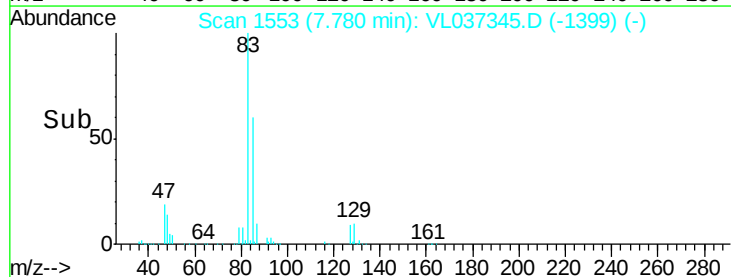
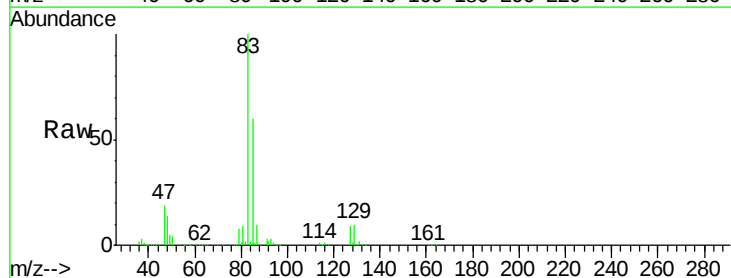
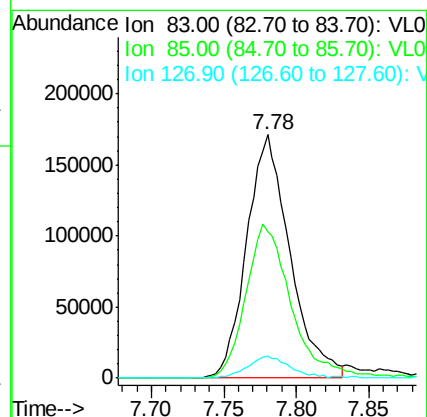
Manual Integrations
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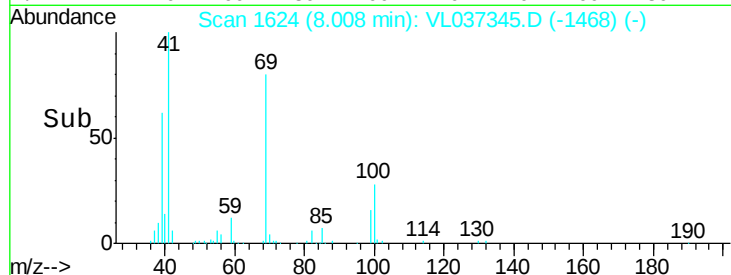
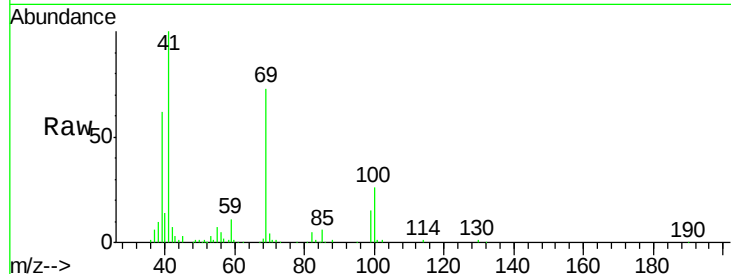
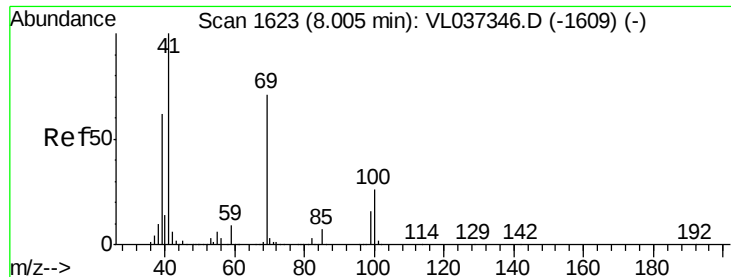
MMDadoda
8/10/2021 6:09:30 PM



#42
Bromodichloromethane
Concen: 1.828 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.3	52.1	78.1
127	9.2	7.0	10.6





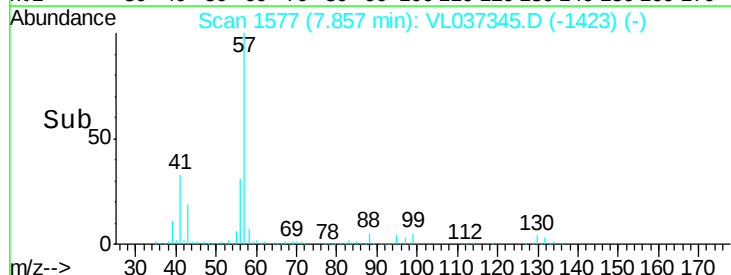
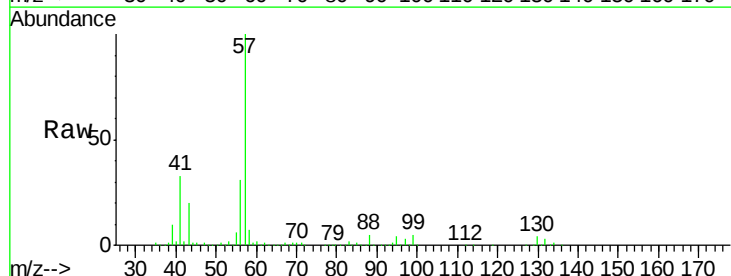
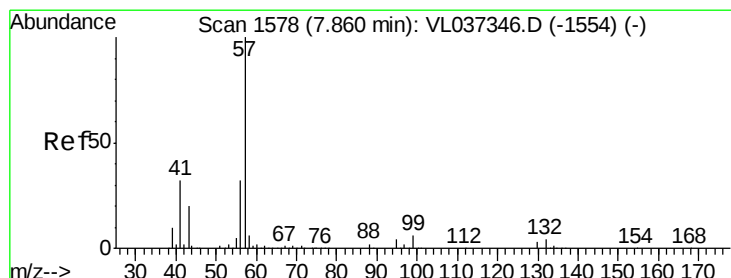
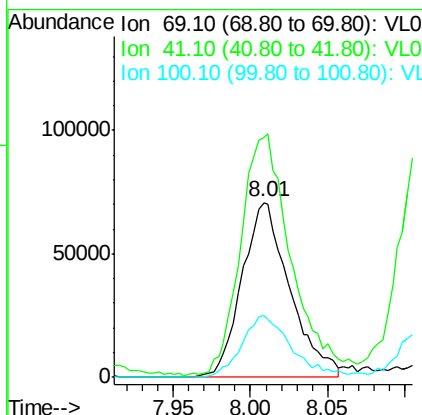
#43
Methvl Methacrylate
Concen: 1.613 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. 0.00 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Tot Ion	Ratio	Lower	Upper
69	100		
41	148.7	115.0	172.4
100	36.7	30.1	45.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

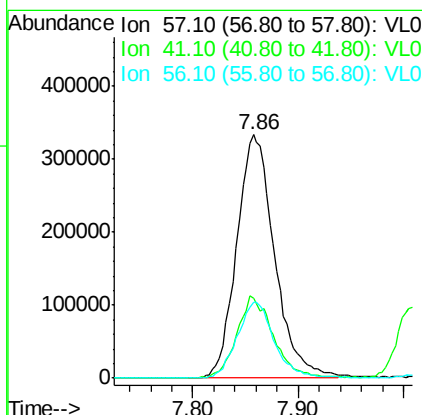
Manual Integrations
APPROVED

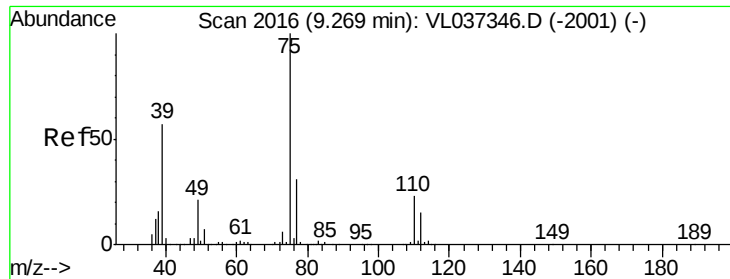
MMDadoda
8/10/2021 6:09:30 PM



#44
2,2,4-Trimethylpentane
Concen: 1.796 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.8	26.1	39.1
56	30.9	25.0	37.4





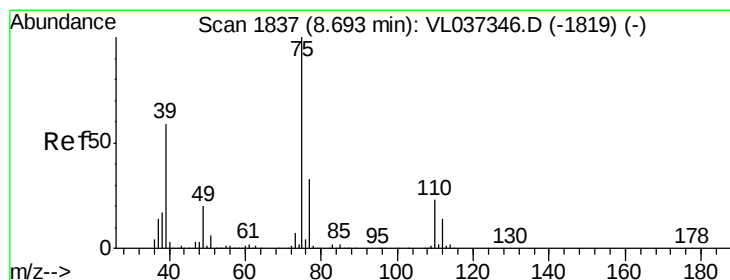
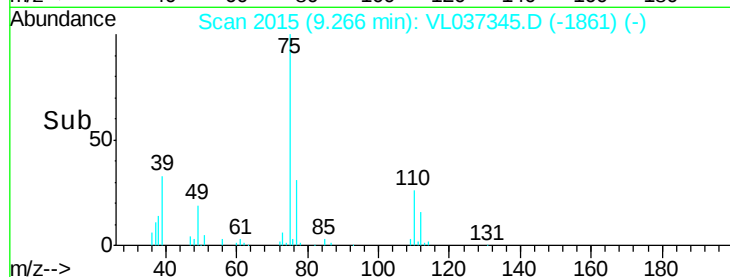
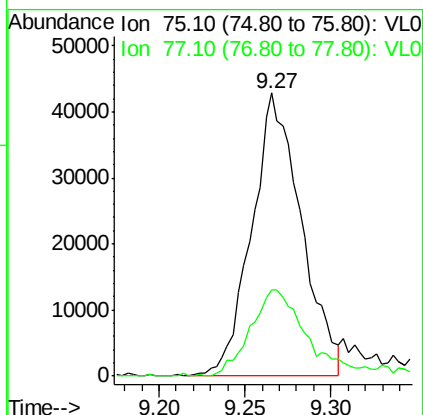
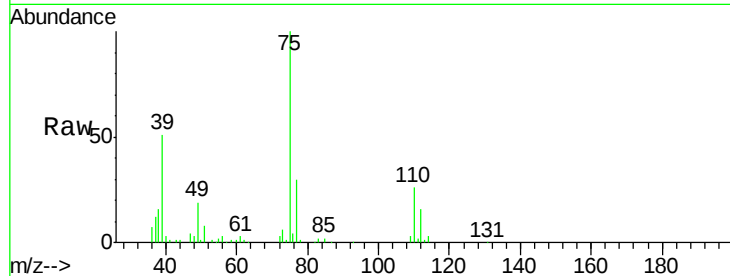
#45
t-1,3-Dichloropropene
Concen: 1.195 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 75 Resp: 85569
Ion Ratio Lower Upper
75 100
77 30.3 24.7 37.1

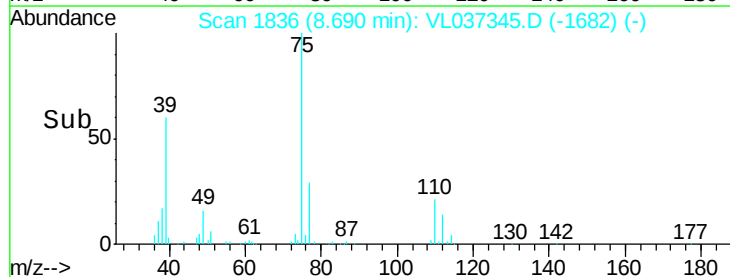
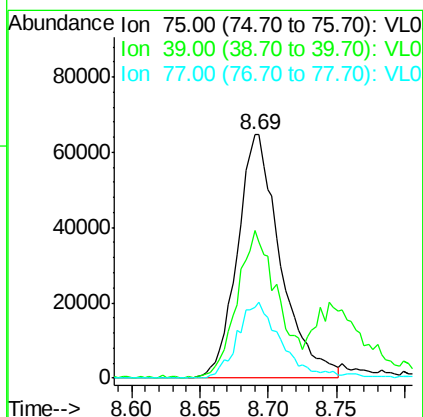
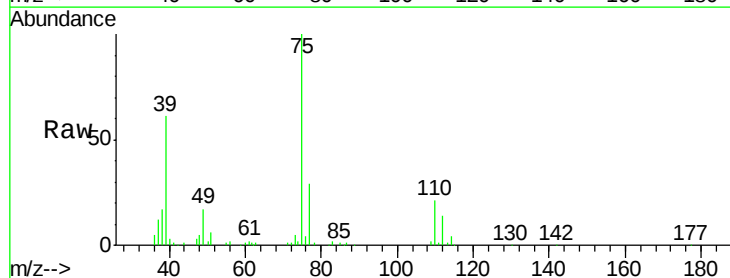
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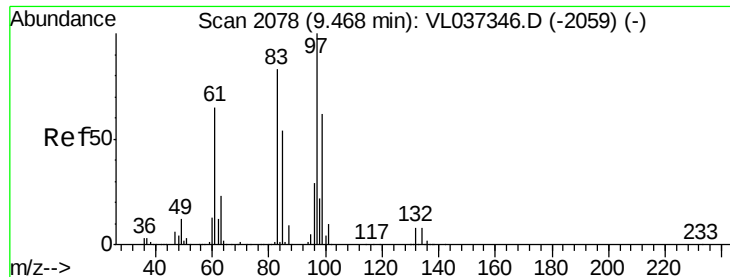
MMDadoda
8/10/2021 6:09:30 PM



#46
cis-1,3-Dichloropropene
Concen: 1.375 ppbv
RT: 8.69 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Tgt Ion: 75 Resp: 141929
Ion Ratio Lower Upper
75 100
39 60.2 47.2 70.8
77 29.2 26.2 39.4





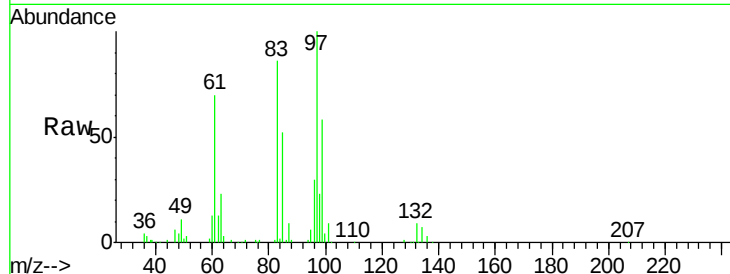
#47
 1,1,2-Trichloroethane
 Concen: 1.789 ppbv
 RT: 9.46 min Scan# 2076
 Delta R.T. -0.01 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC002

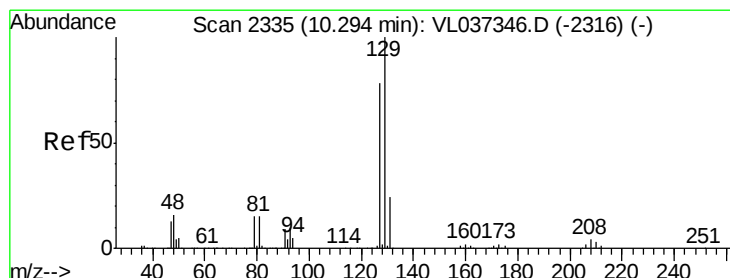
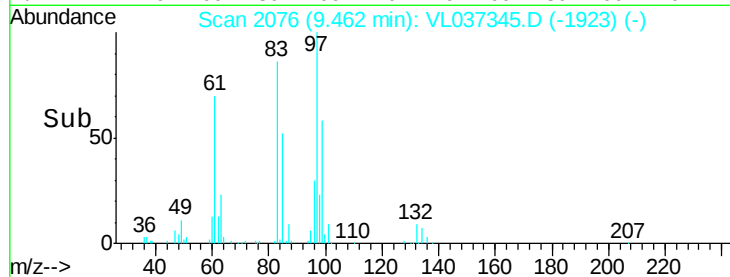
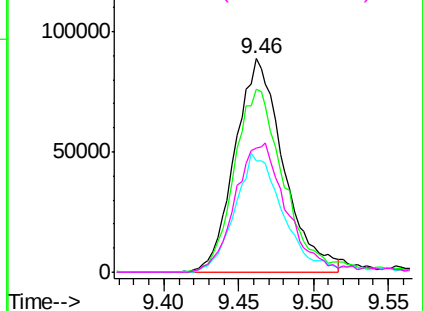
Tot Ion	Ratio	Lower	Upper
97	100		
83	85.0	66.1	99.1
85	51.8	43.1	64.7
99	57.8	49.6	74.4

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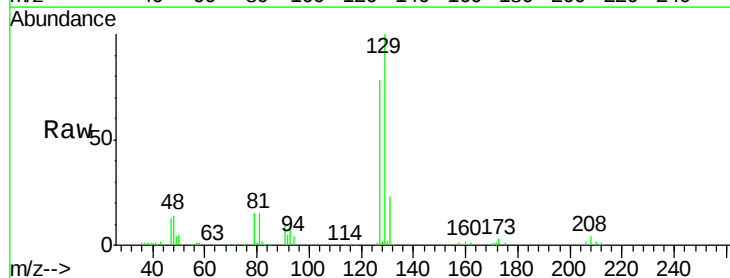


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

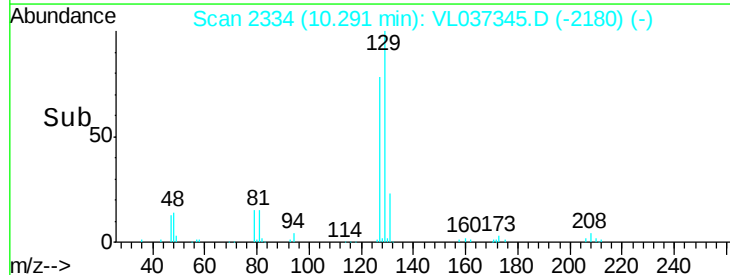
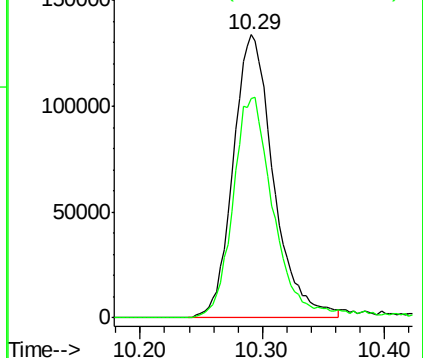


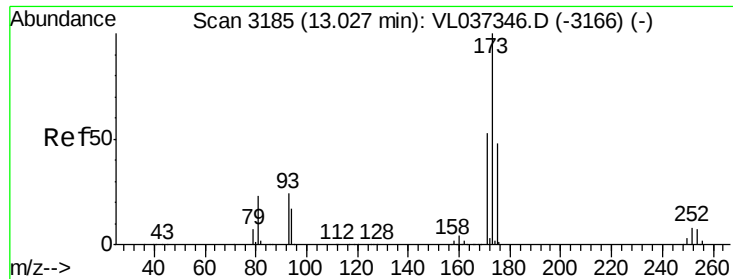
#48
 Dibromochloromethane
 Concen: 1.819 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.8	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: 1.841 ppbv m

RT: 13.02 min Scan# 3183

Delta R.T. -0.01 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:173 Resp: 235730

Ion Ratio Lower Upper

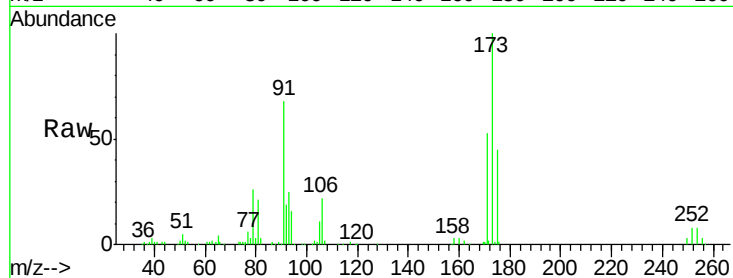
173 100

175 49.4 39.6 59.4

171 52.6 42.2 63.4

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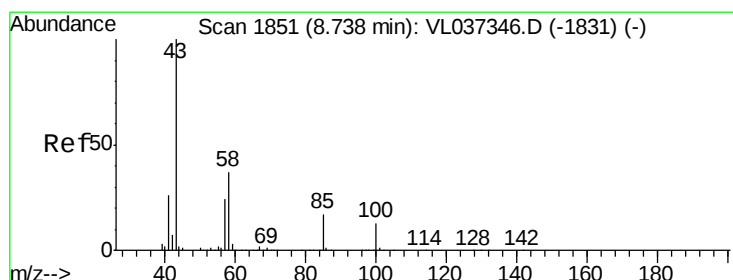
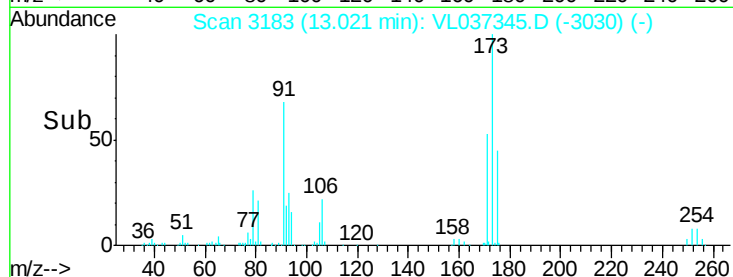
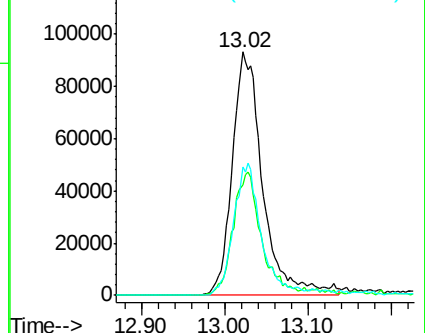
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 1.723 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VL037345.D

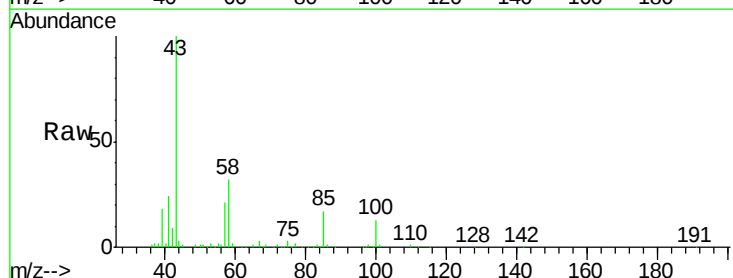
Acq: 6 Aug 2021 14:28

Tgt Ion: 43 Resp: 285321

Ion Ratio Lower Upper

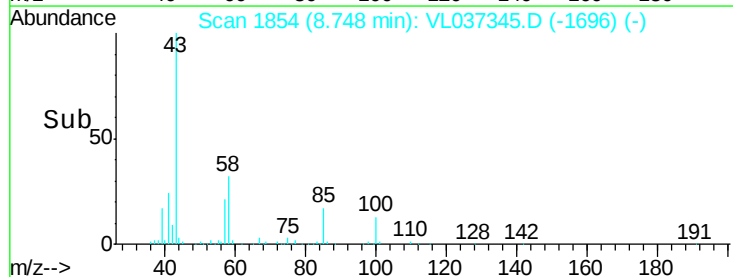
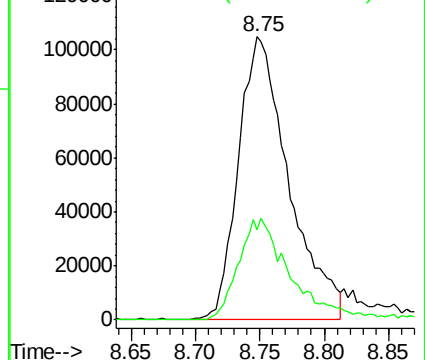
43 100

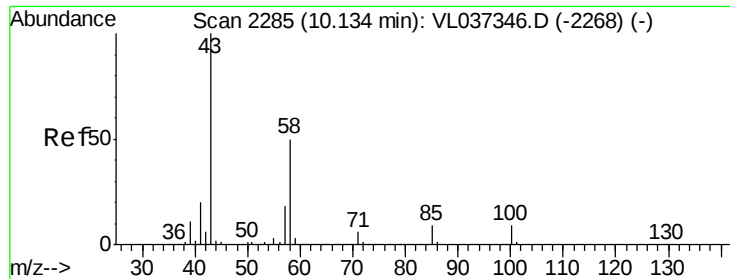
58 37.4 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





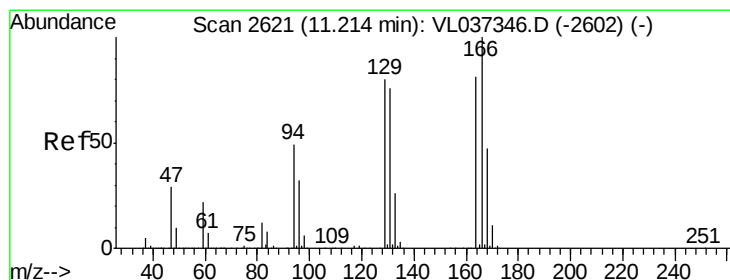
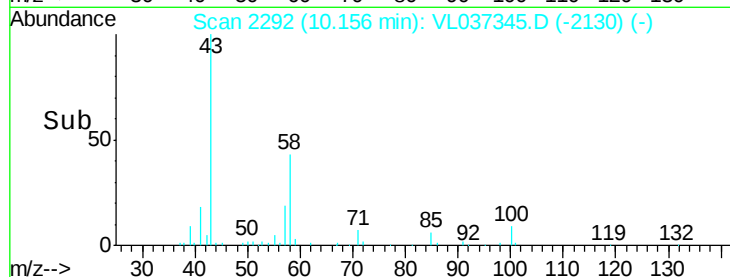
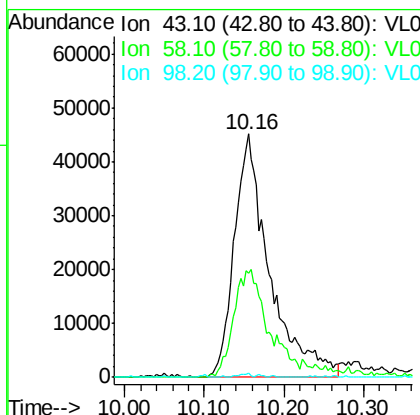
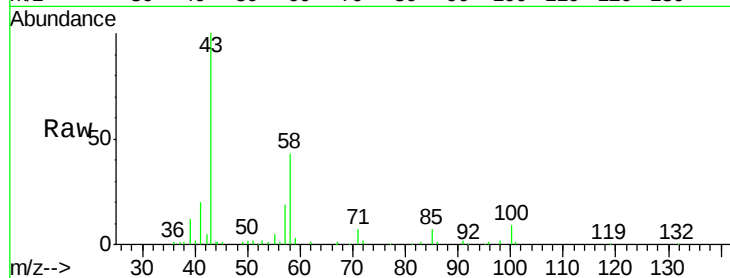
#51
2-Hexanone
Concen: 1.834 ppbv m
RT: 10.16 min Scan# 2292
Delta R.T. 0.02 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.6	40.4	60.6
98	0.8	0.4	0.6

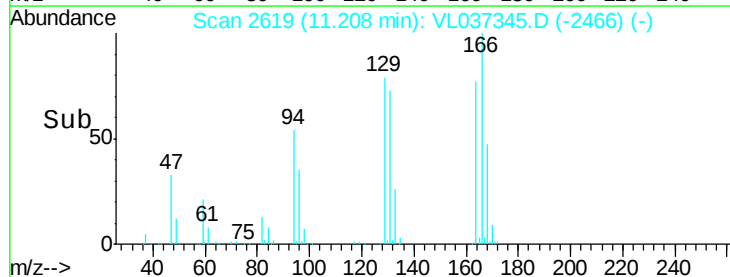
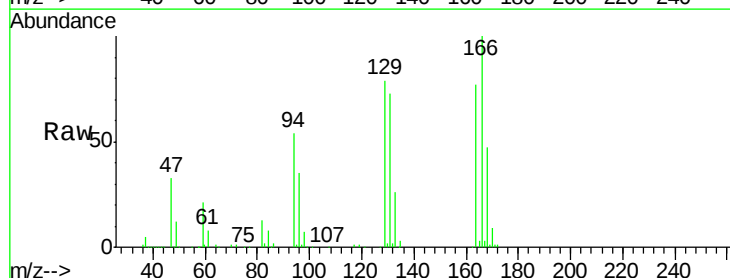
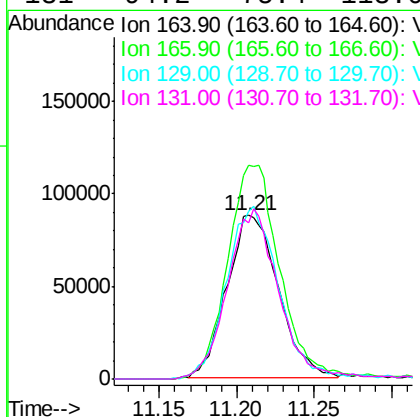
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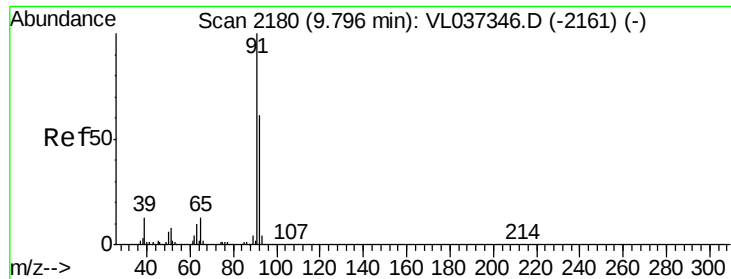
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#52
Tetrachloroethene
Concen: 1.670 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. -0.01 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	99.4	149.0
129	101.5	79.2	118.8
131	94.2	75.4	113.0





#53

Toluene

Concen: 1.726 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 572158

Ion Ratio Lower Upper

91 100

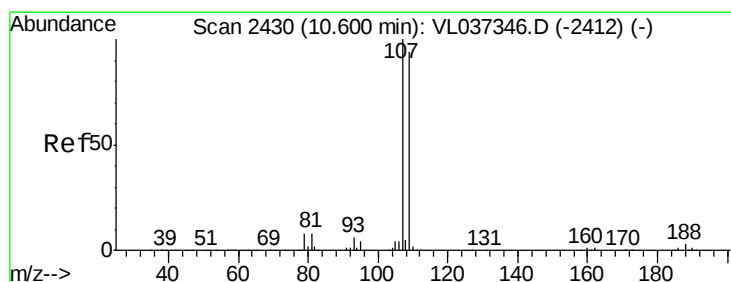
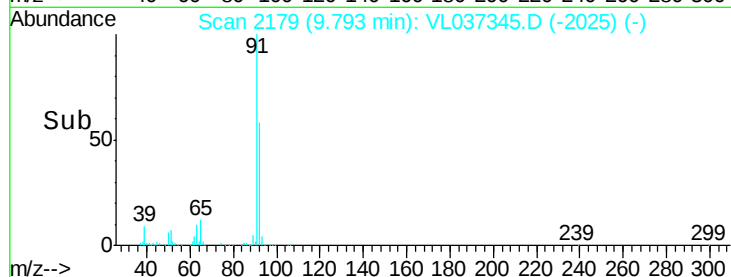
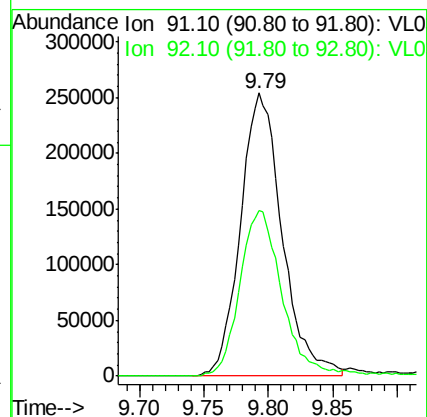
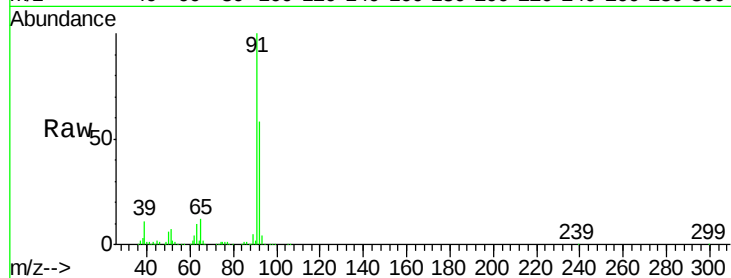
92 60.6 48.2 72.4

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#54

1,2-Dibromoethane

Concen: 1.775 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VL037345.D

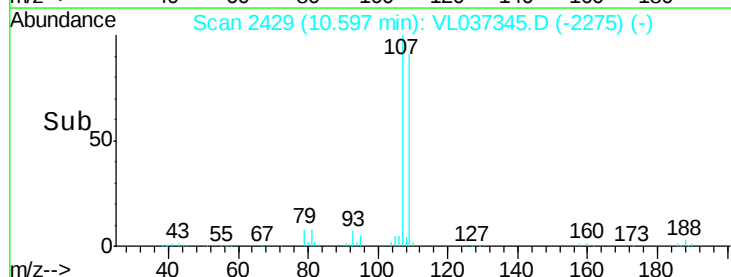
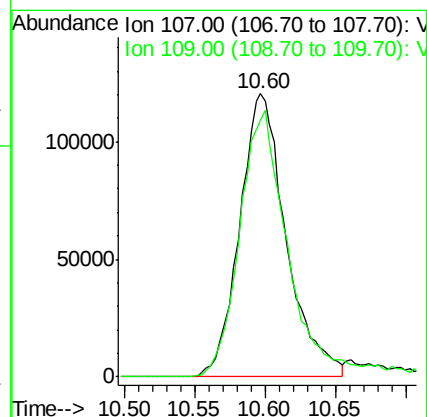
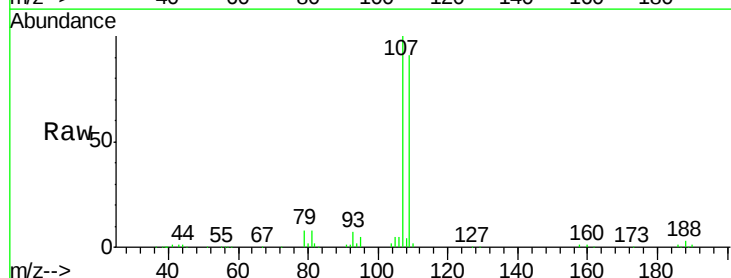
Acq: 6 Aug 2021 14:28

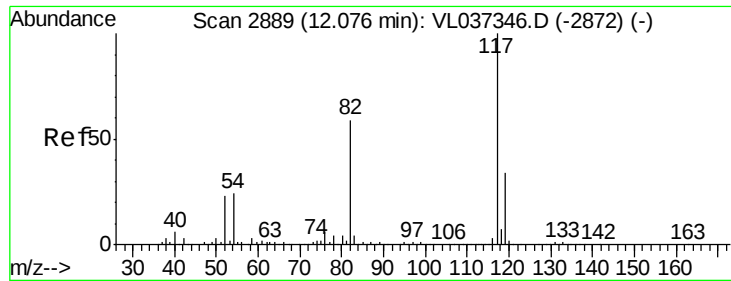
Tgt Ion: 107 Resp: 275608

Ion Ratio Lower Upper

107 100

109 90.6 75.1 112.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:117 Resp: 2825281

Ion Ratio Lower Upper

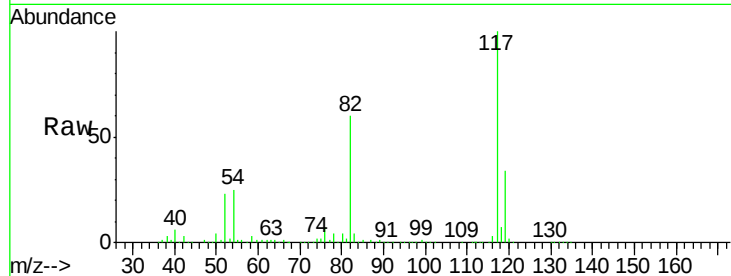
117 100

82 60.1 50.5 75.7

119 37.8 50.7 76.1#

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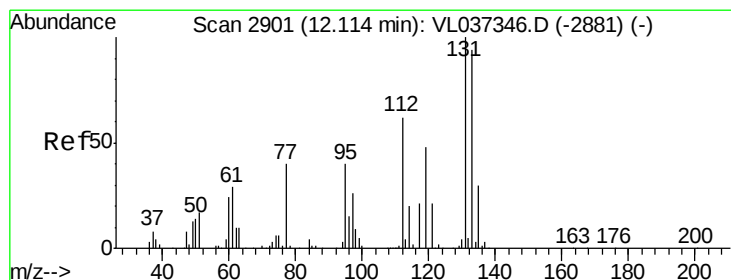
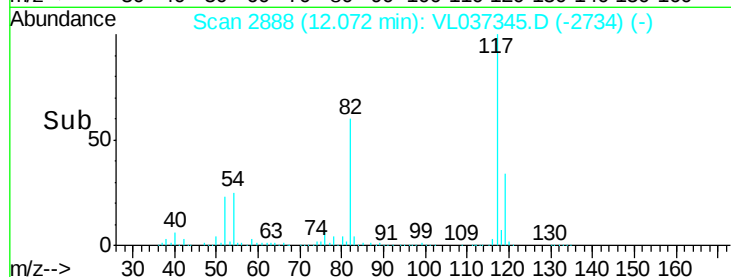
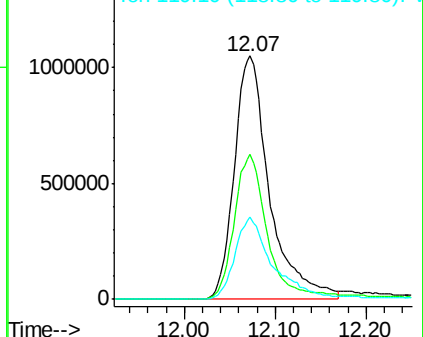
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 1.956 ppbv m

RT: 12.11 min Scan# 2901

Delta R.T. -0.00 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

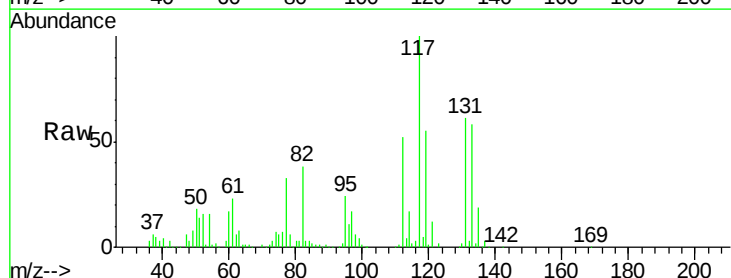
Tgt Ion:131 Resp: 248257

Ion Ratio Lower Upper

131 100

133 94.2 76.6 114.8

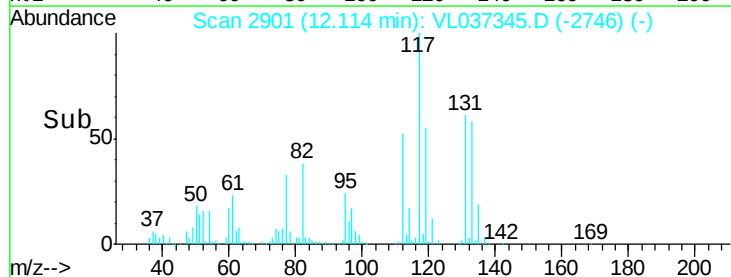
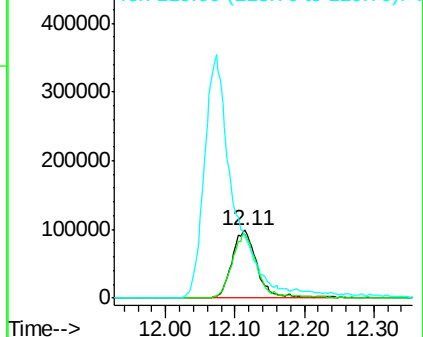
119 0.0 111.0 166.4#

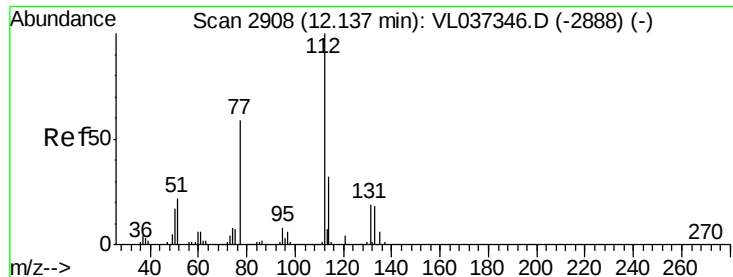


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





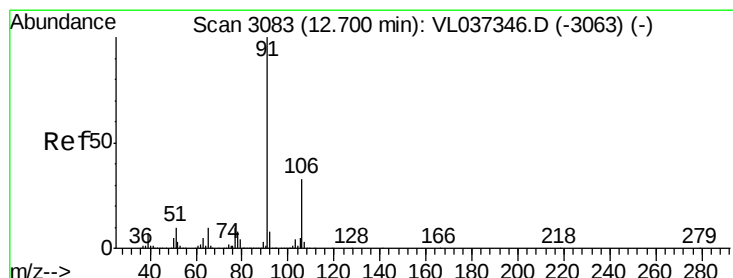
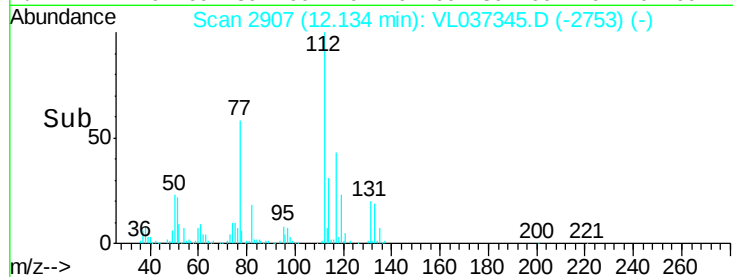
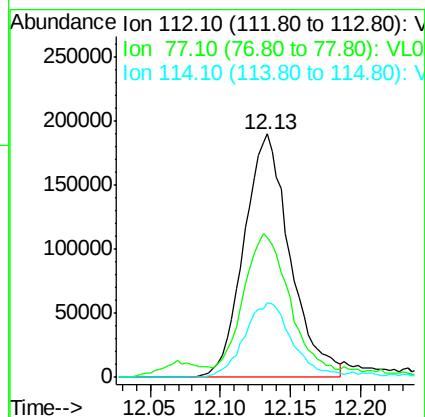
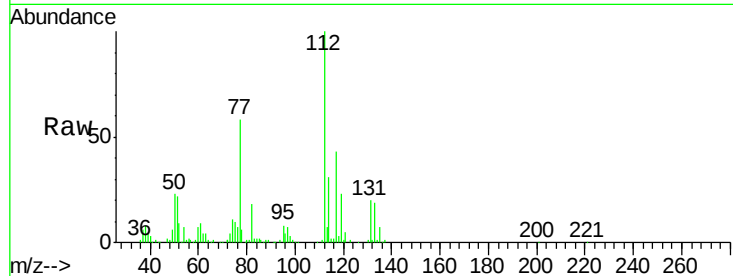
#57
Chlorobenzene
Concen: 1.760 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
112	100		
77	54.3	48.1	72.1
114	30.3	29.0	35.4

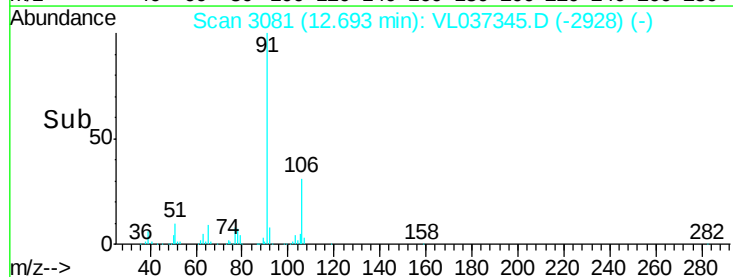
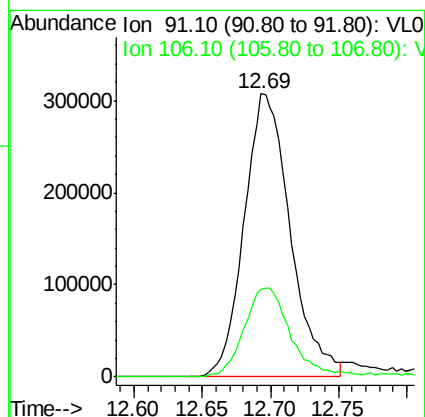
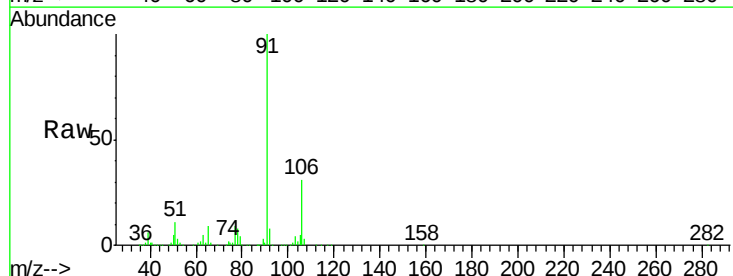
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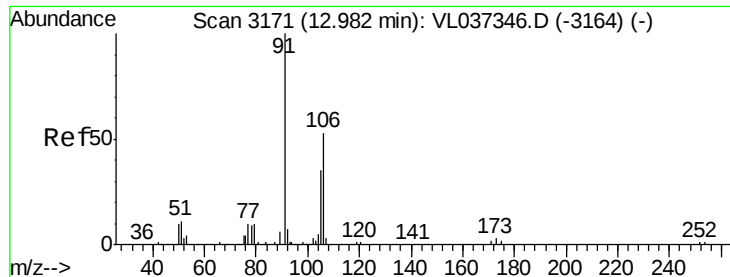
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#58
Ethyl Benzene
Concen: 1.703 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.01 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.7	26.2	39.2





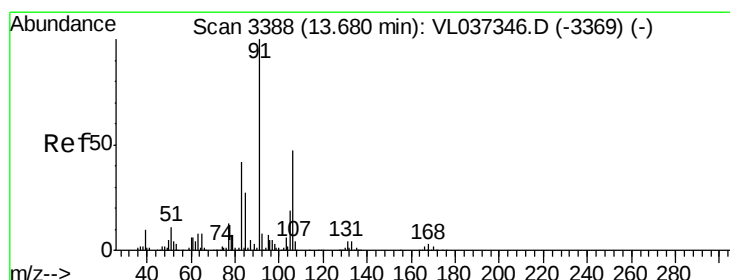
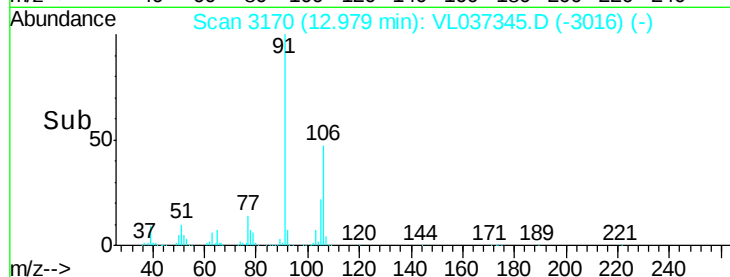
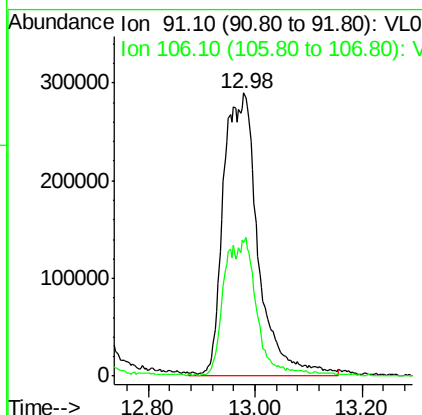
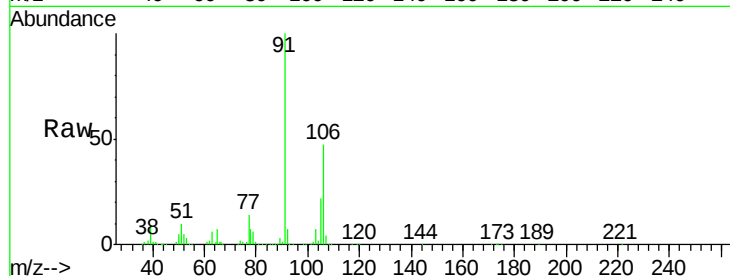
#59
m/p-Xylene
Concen: 3.685 ppbv m
RT: 12.98 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1314228
Ion Ratio Lower Upper
91 100
106 43.7 37.2 55.8

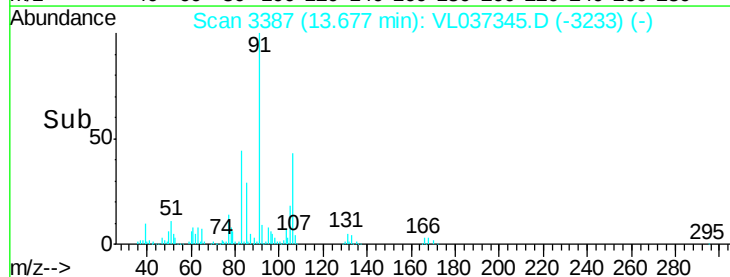
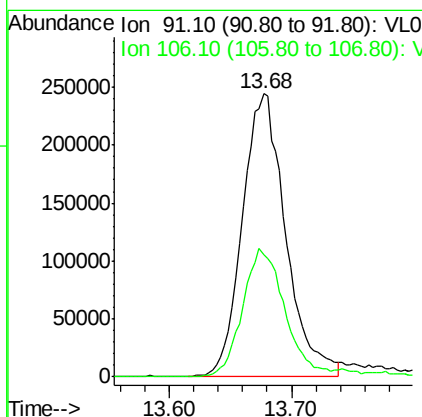
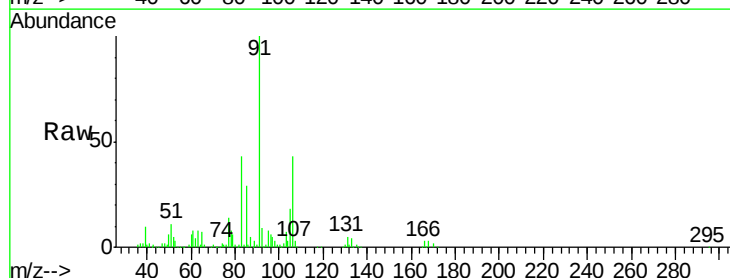
Manual Integrations
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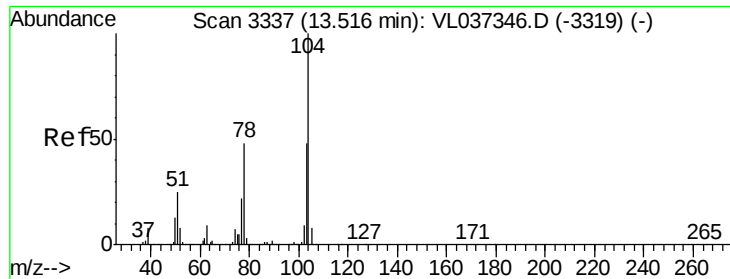
MMDadoda
8/10/2021 6:09:30 PM



#60
o-Xylene
Concen: 1.807 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.00 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Tgt Ion: 91 Resp: 596581
Ion Ratio Lower Upper
91 100
106 46.8 23.2 69.5





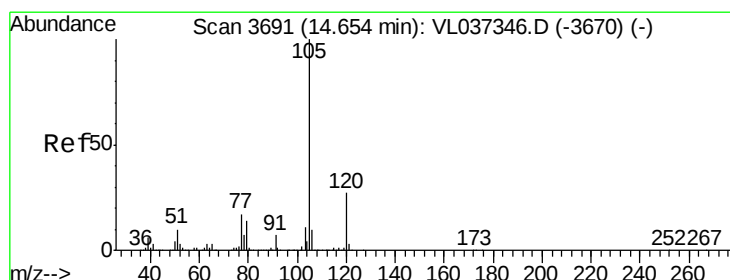
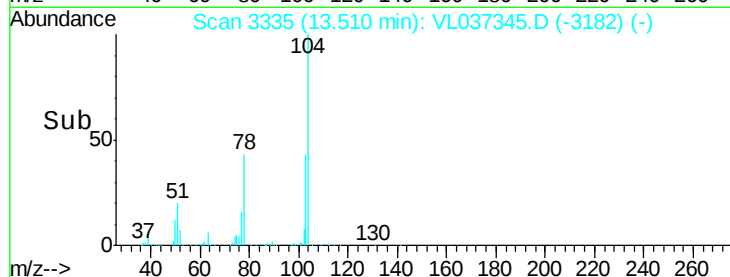
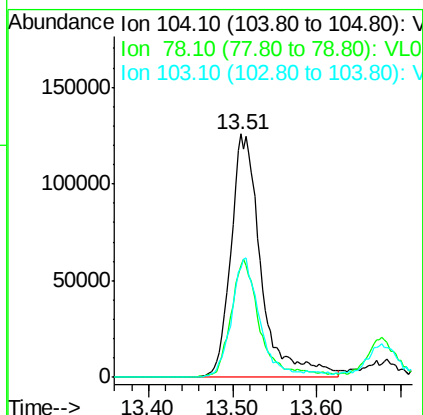
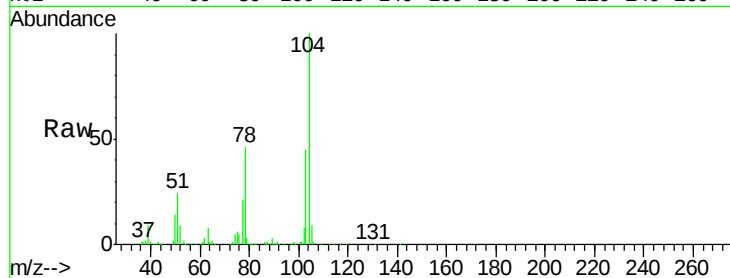
#61
Stvrene
Concen: 1.756 ppbv m
RT: 13.51 min Scan# 3335
Delta R.T. -0.01 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.8	38.4	57.6
103	0.0	38.3	57.5#

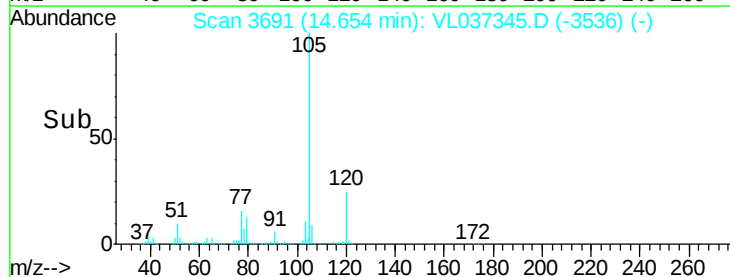
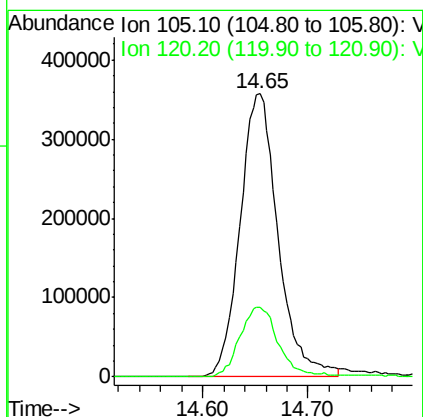
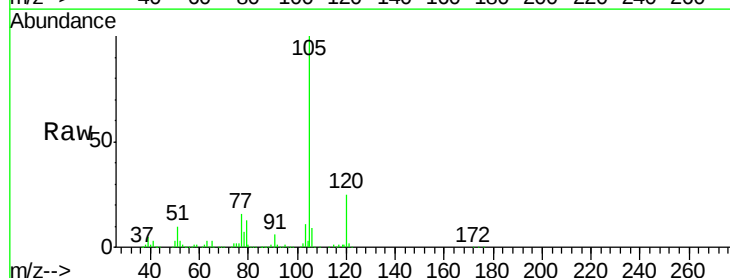
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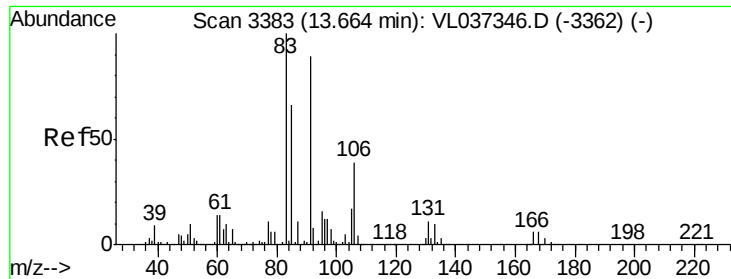
MMDadoda
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#62
Isopropylbenzene
Concen: 1.875 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. -0.00 min
Lab File: VL037345.D
Acq: 6 Aug 2021 14:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.4	32.2





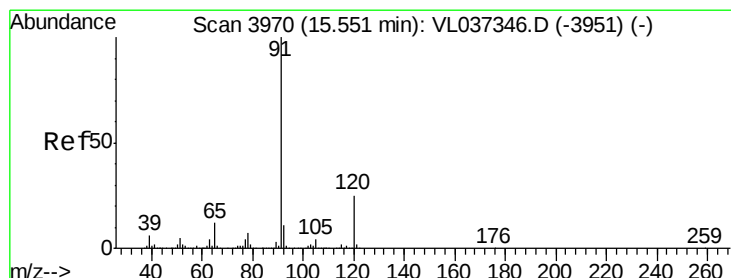
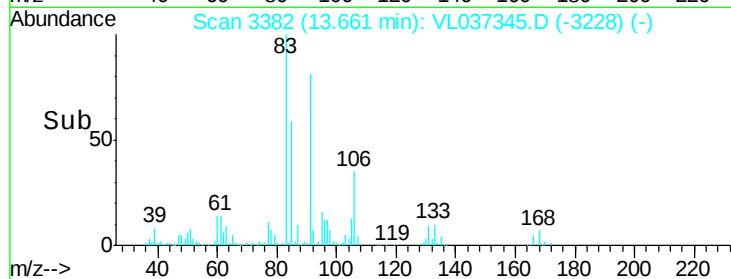
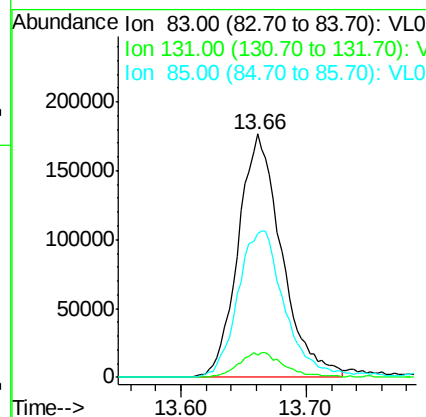
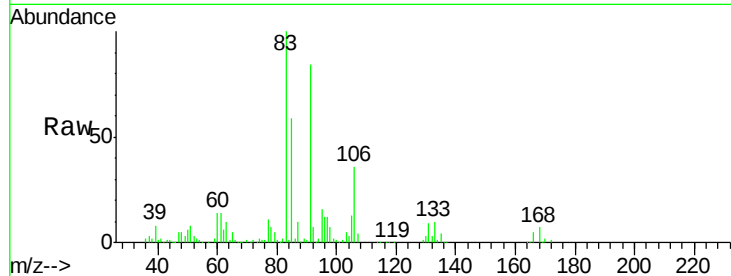
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.804 ppbv
 RT: 13.66 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	83	Resp	423007
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.3	16.1
85	65.8	33.1	99.2

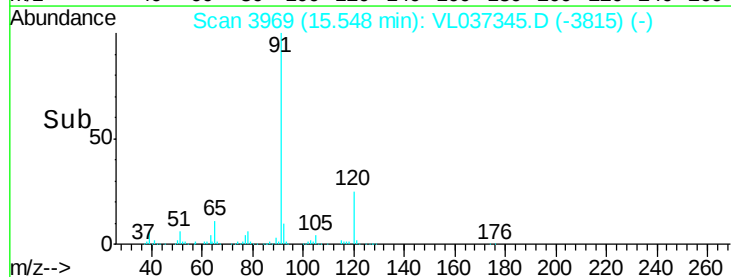
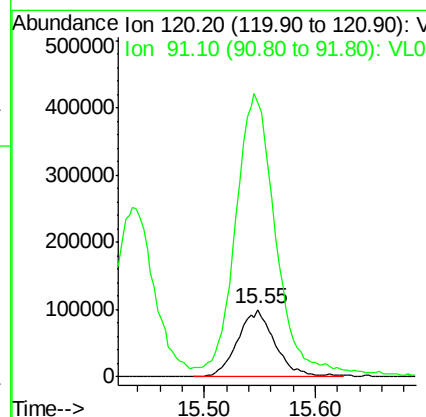
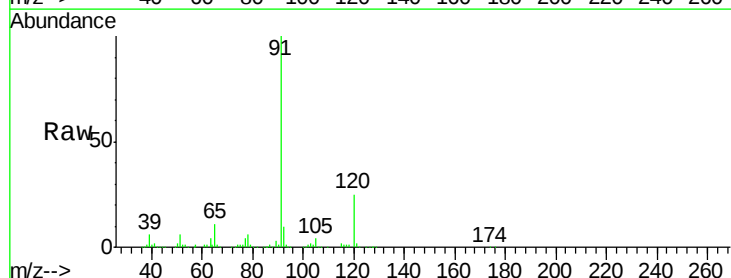
Manual Integrations
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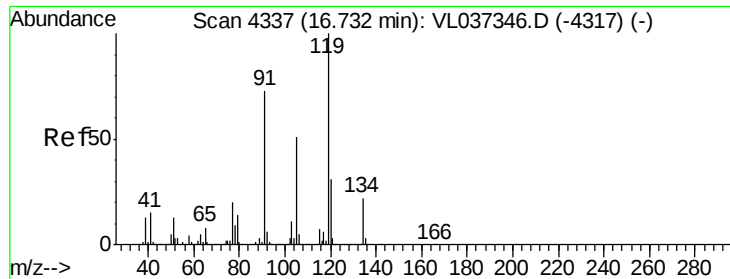
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#64
 n-propylbenzene
 Concen: 1.876 ppbv m
 RT: 15.55 min Scan# 3969
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Tgt Ion	120	Resp	233032
Ion	Ratio	Lower	Upper
120	100		
91	461.2	345.0	517.4





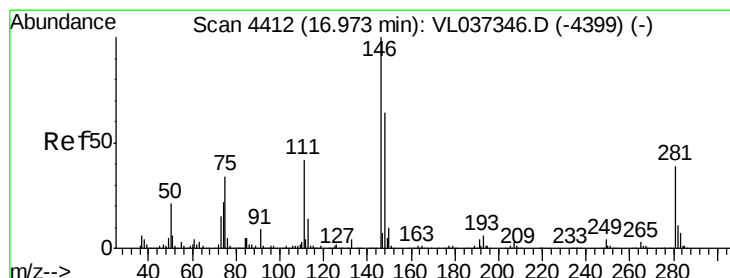
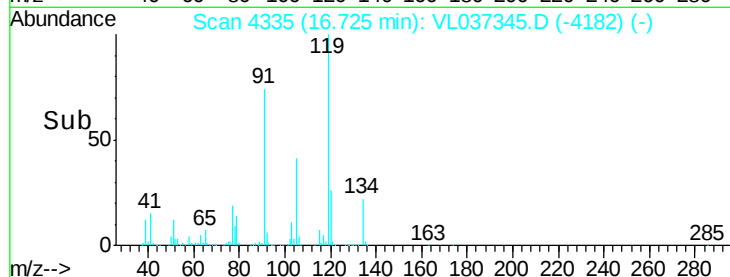
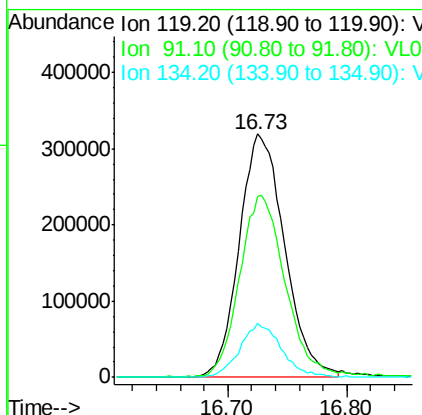
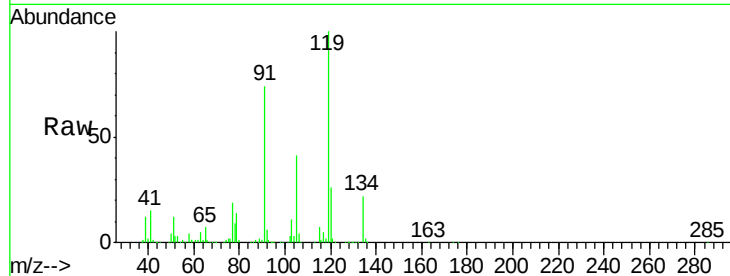
#65
 tert-Butylbenzene
 Concen: 1.923 ppbv
 RT: 16.73 min Scan# 4335
 Delta R.T. -0.01 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
119	100	840894		
91	76.0	59.5	89.3	
134	20.6	16.6	25.0	

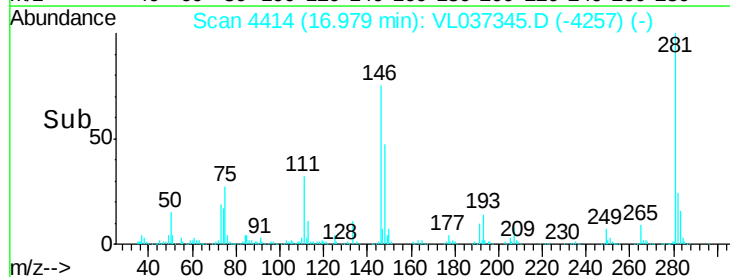
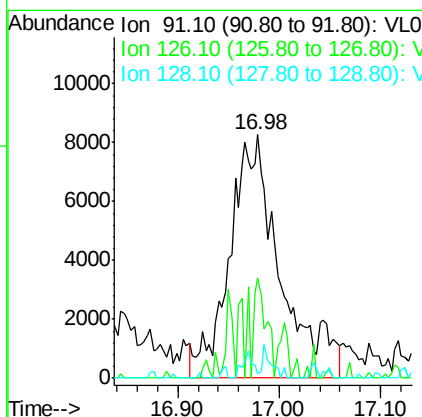
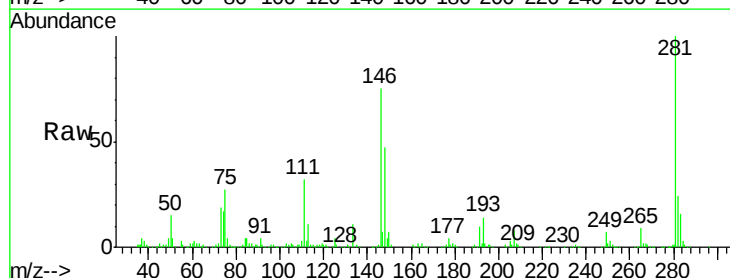
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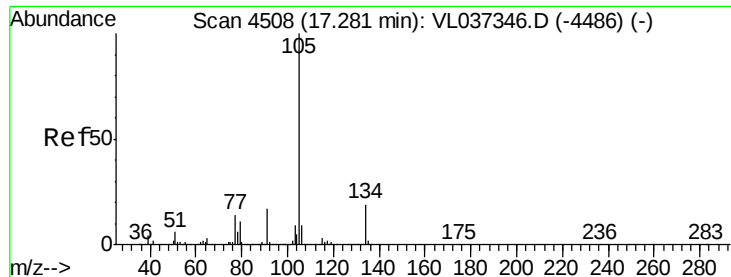
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#66
 Benzyl Chloride
 Concen: 1.758 ppbv m
 RT: 16.98 min Scan# 4414
 Delta R.T. 0.01 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	28695		
126	26.7	19.2	28.8	
128	5.0	5.8	8.8#	





#67

sec-Butylbenzene

Concen: 1.918 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. -0.01 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 1129969

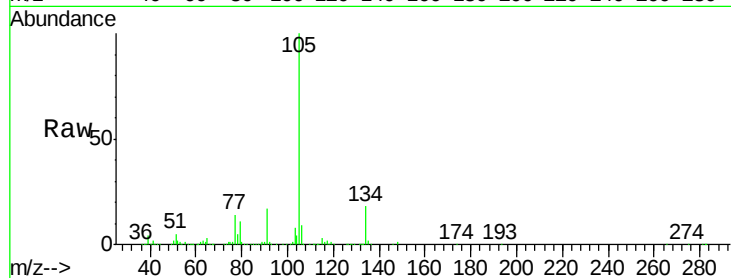
Ion Ratio Lower Upper

105 100

134 18.8 15.6 23.4

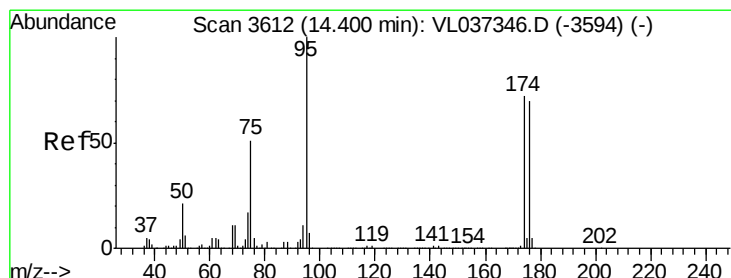
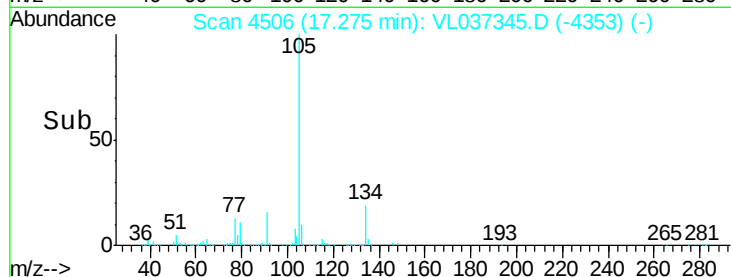
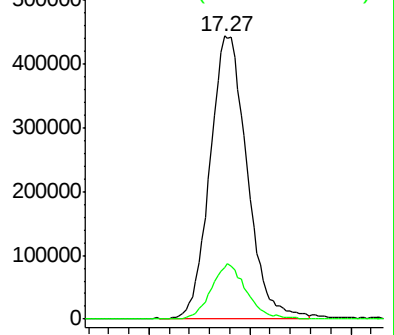
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.412 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.00 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

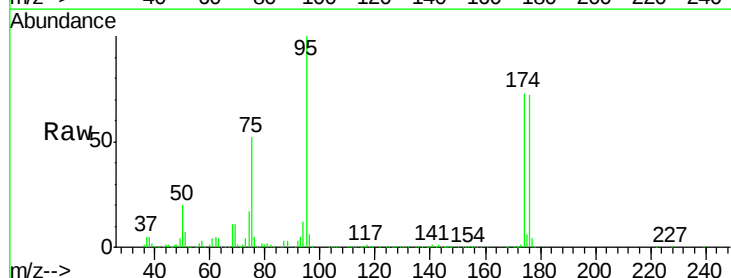
Tgt Ion: 95 Resp: 1858945

Ion Ratio Lower Upper

95 100

174 82.3 60.8 91.2

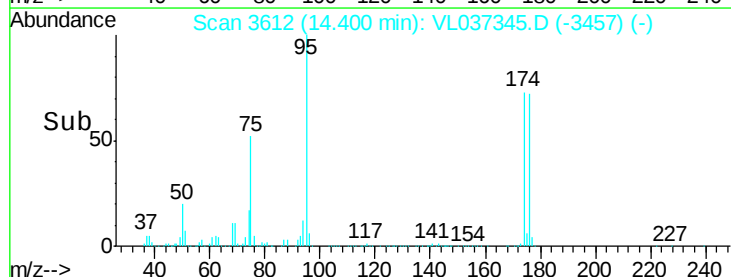
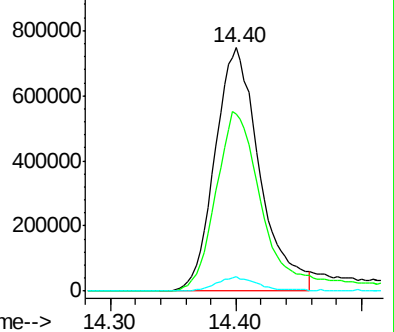
175 5.8 4.3 6.5

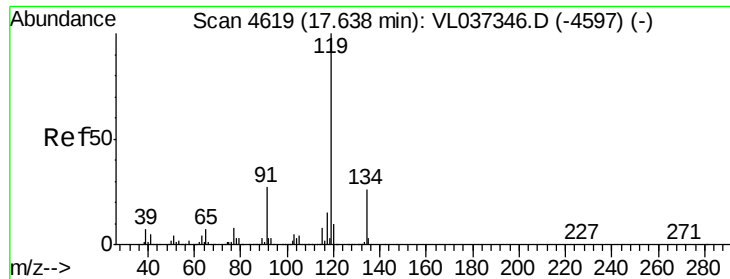


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





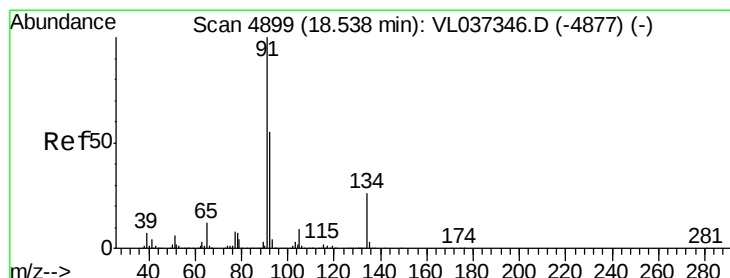
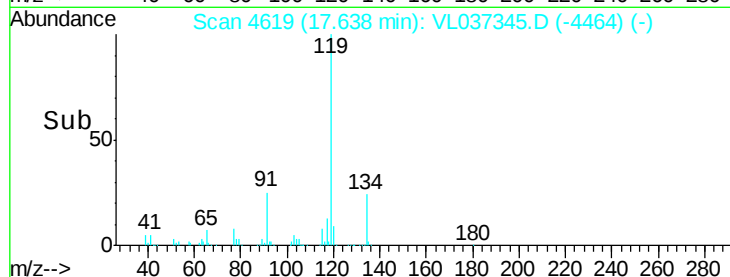
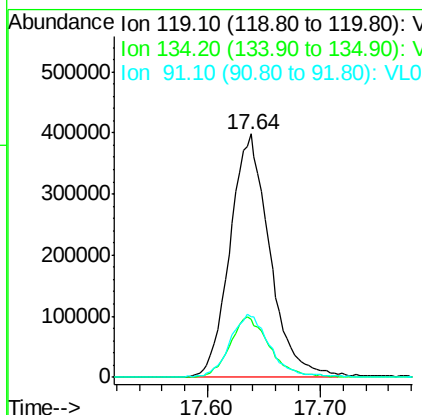
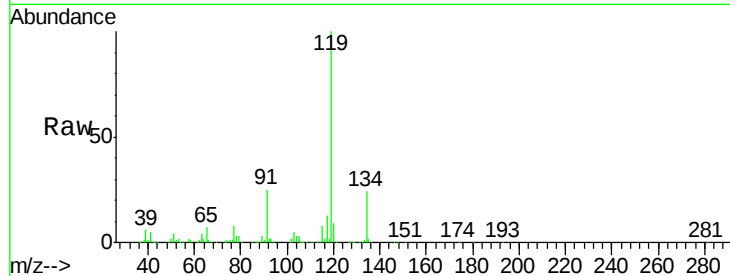
#69
 p-Isopropyltoluene
 Concen: 1.938 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
119	100	962788		
134	25.2		20.8	31.2
91	26.3		21.0	31.6

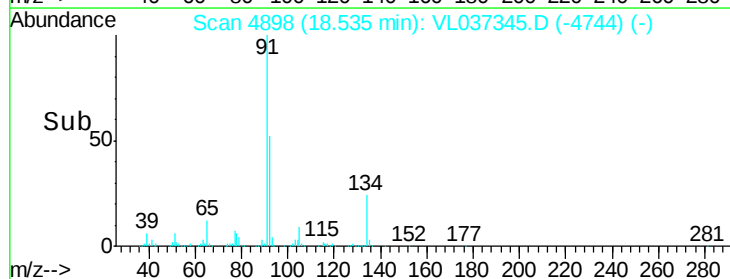
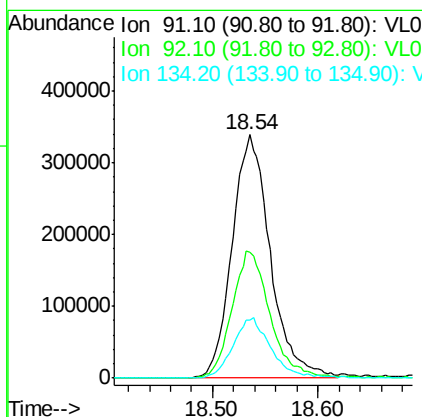
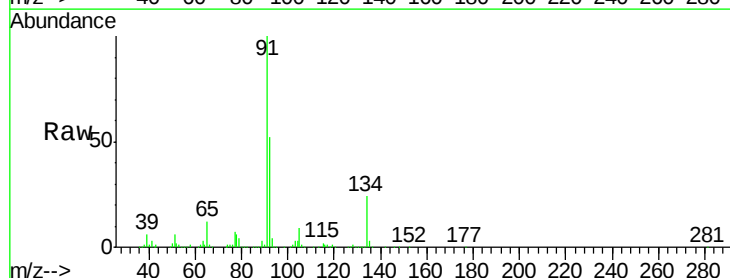
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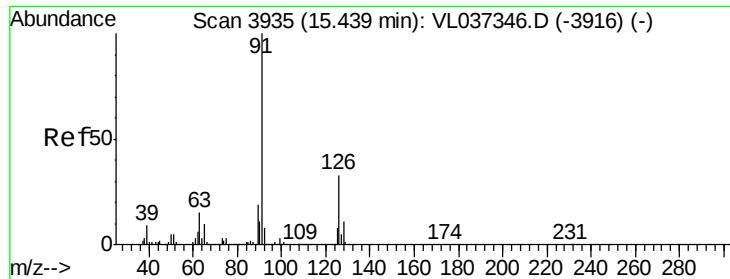
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#70
 n-Butylbenzene
 Concen: 1.865 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	844062		
92	52.8		43.7	65.5
134	25.1		20.4	30.6





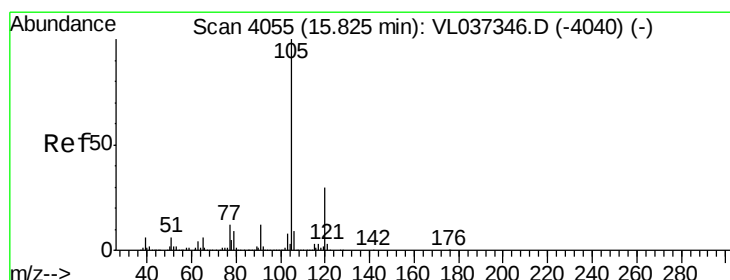
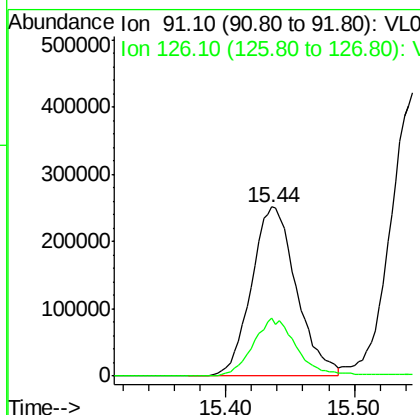
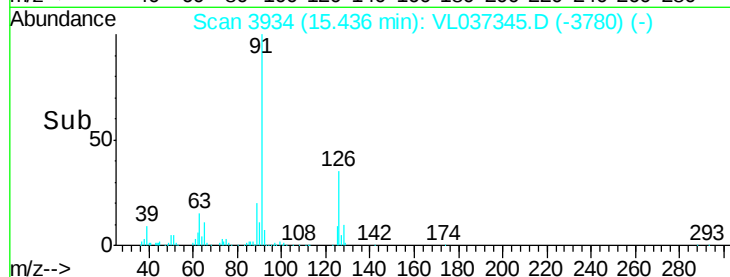
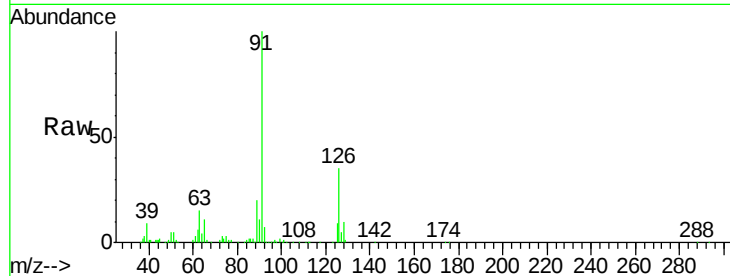
#71
 2-Chlorotoluene
 Concen: 1.826 ppbv
 RT: 15.44 min Scan# 3934
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 91 Resp: 609665
 Ion Ratio Lower Upper
 91 100
 126 35.0 13.4 53.6

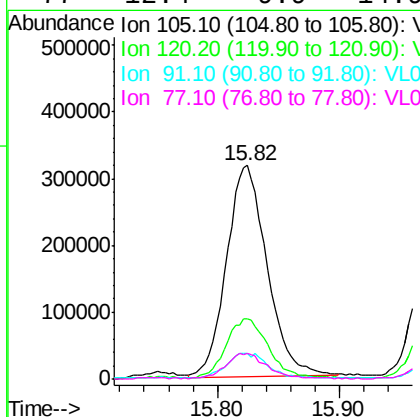
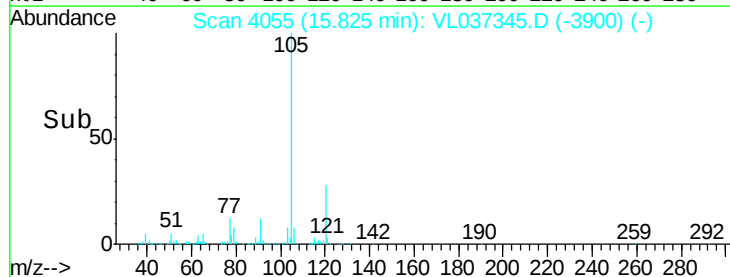
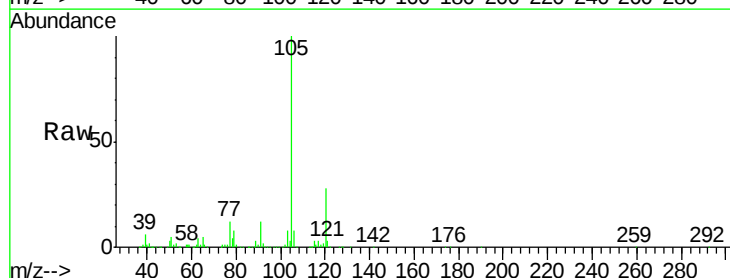
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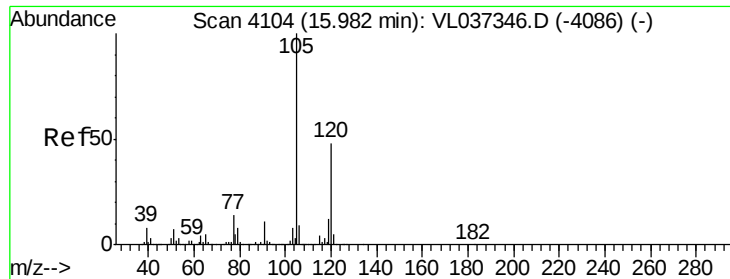
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#72
 4-Ethyltoluene
 Concen: 1.855 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Tgt Ion: 105 Resp: 734437
 Ion Ratio Lower Upper
 105 100
 120 30.4 24.4 36.6
 91 12.0 9.8 14.6
 77 12.4 9.9 14.9





#73

1,3,5-Trimethylbenzene

Concen: 1.845 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. -0.00 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 657054

Ion Ratio Lower Upper

105 100

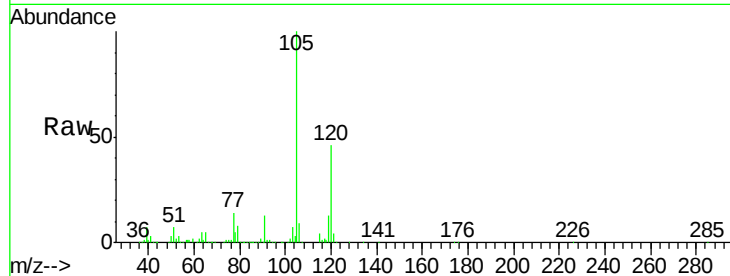
120 46.5 38.1 57.1

Manual Integrations

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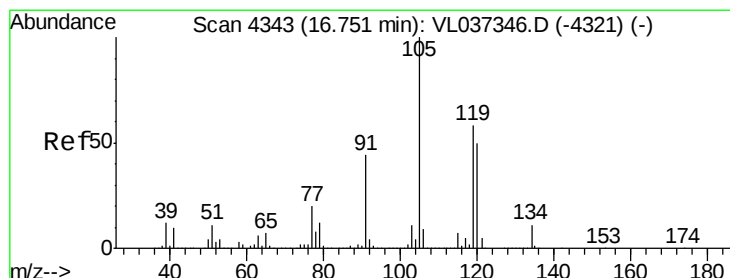
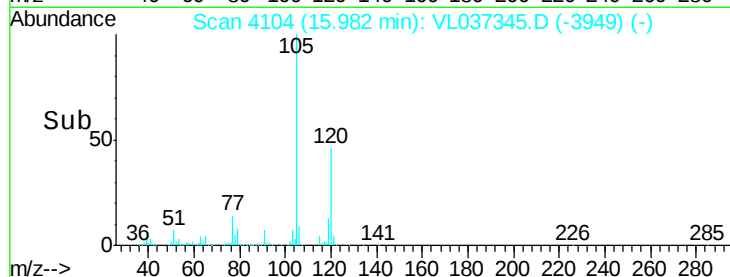
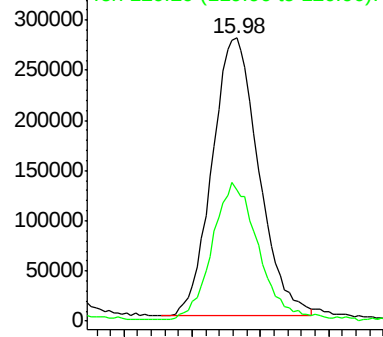
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 1.963 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.01 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

Tgt Ion:105 Resp: 742073

Ion Ratio Lower Upper

105 100

120 46.4 39.7 59.5

91 48.2 35.0 52.6

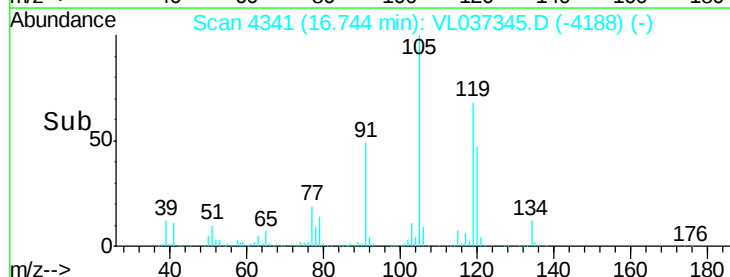
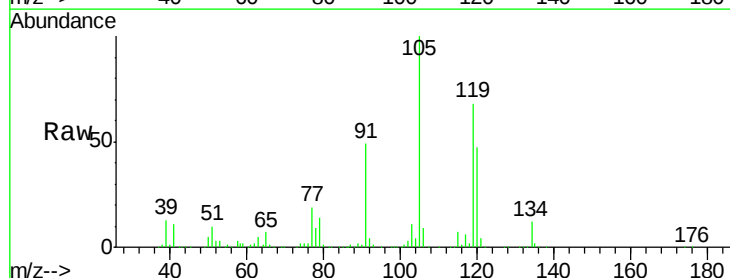
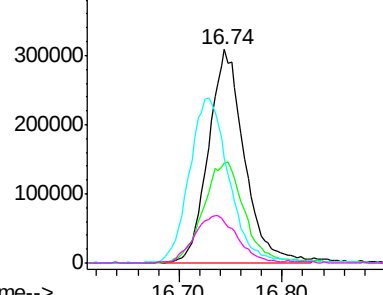
77 18.7 16.1 24.1

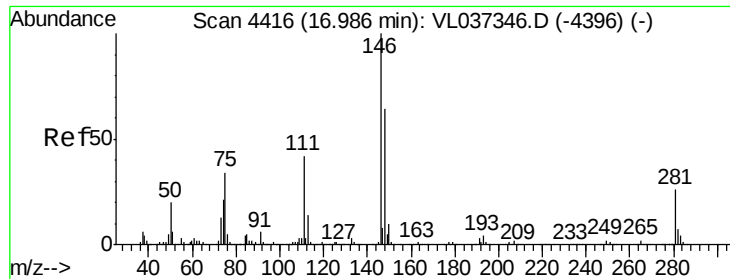
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





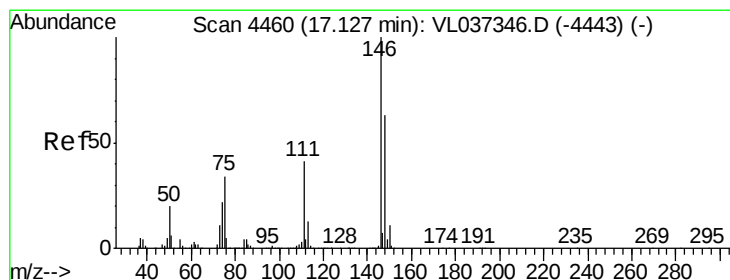
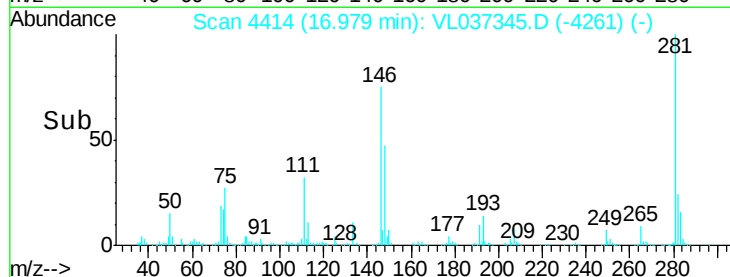
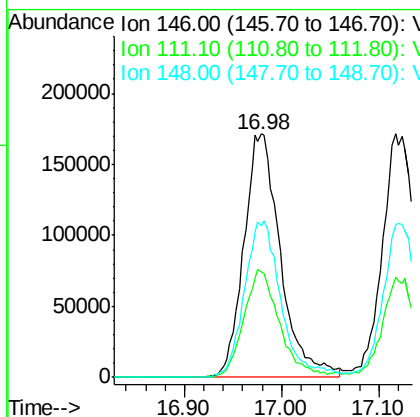
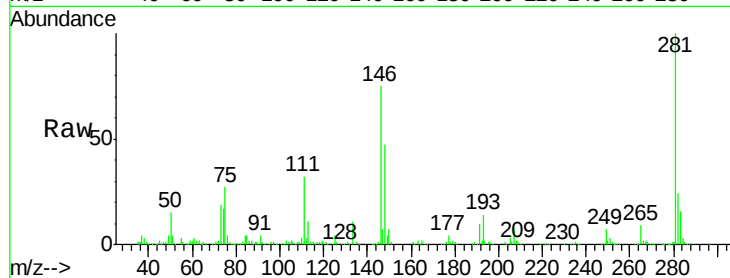
#75
 1,3-Dichlorobenzene
 Concen: 1.929 ppbv m
 RT: 16.98 min Scan# 4414
 Delta R.T. -0.01 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.5	64.5#
148	64.5	32.2	96.6

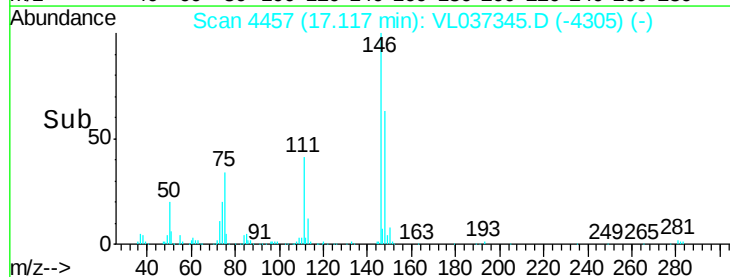
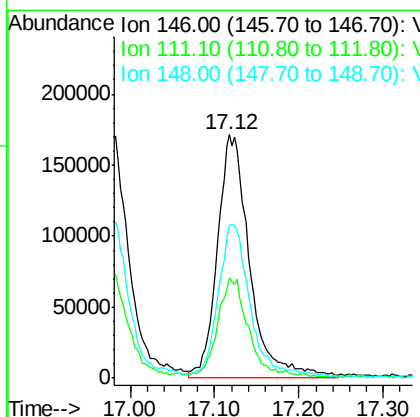
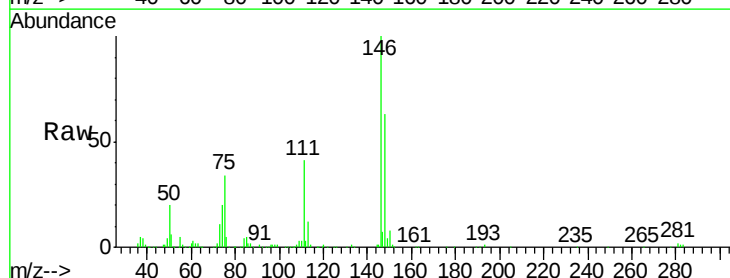
Manual Integrations
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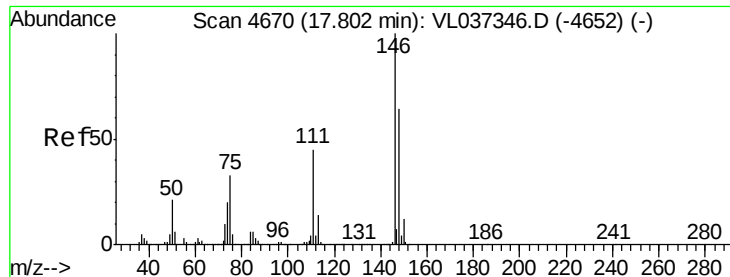
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#76
 1,4-Dichlorobenzene
 Concen: 1.984 ppbv m
 RT: 17.12 min Scan# 4457
 Delta R.T. -0.01 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.1	63.3#
148	62.6	32.6	97.7





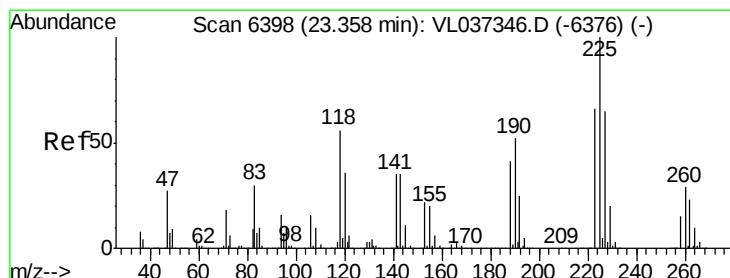
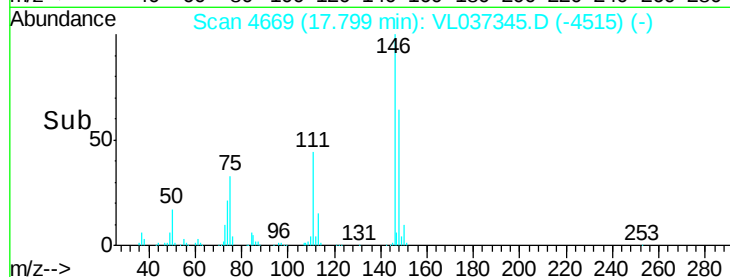
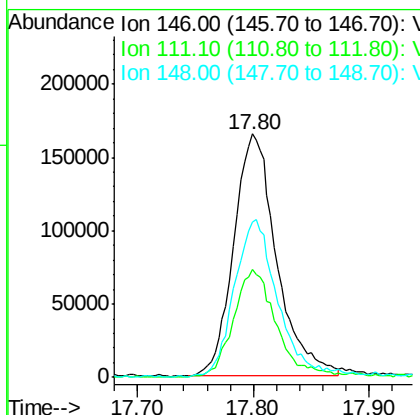
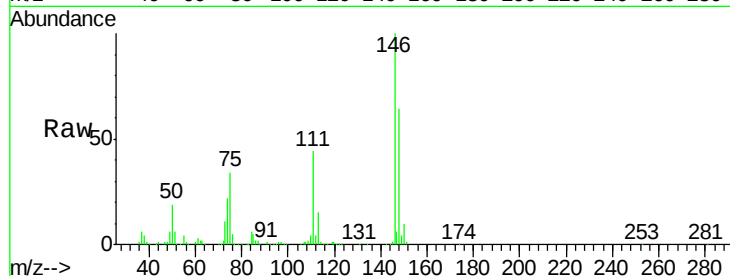
#77
 1,2-Dichlorobenzene
 Concen: 1.877 ppbv
 RT: 17.80 min Scan# 4669
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	22.4	67.2
148	66.1	33.0	99.0

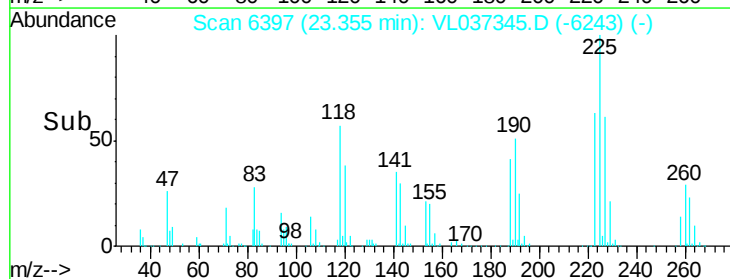
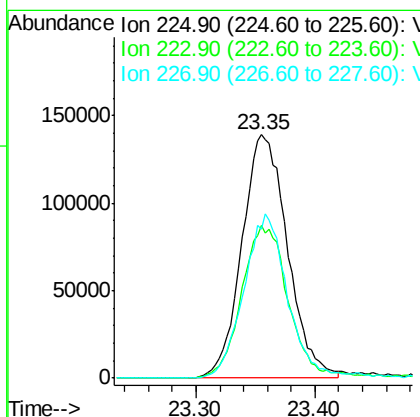
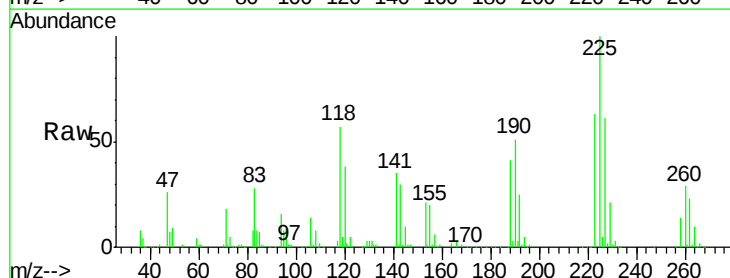
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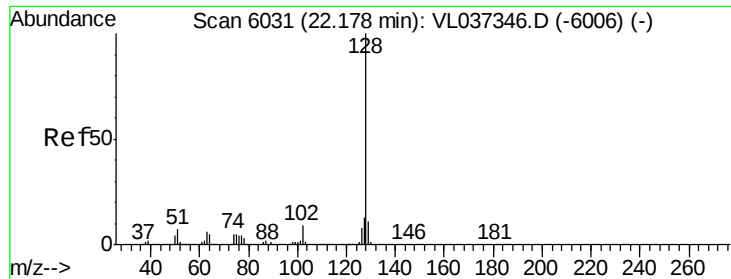
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#78
 Hexachloro-1,3-Butadiene
 Concen: 1.851 ppbv
 RT: 23.35 min Scan# 6397
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	51.4	77.0
227	66.2	51.8	77.6





#79

Naphthalene

Concen: 1.440 ppbv

RT: 22.19 min Scan# 6034

Delta R.T. 0.01 min

Lab File: VL037345.D

Acq: 6 Aug 2021 14:28

Instrument :

MSVOA_L

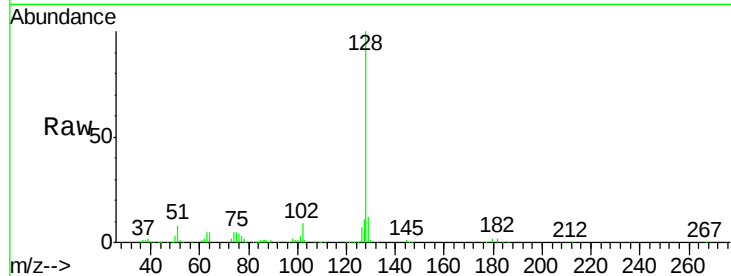
ClientSampleId :

VSTDIC002

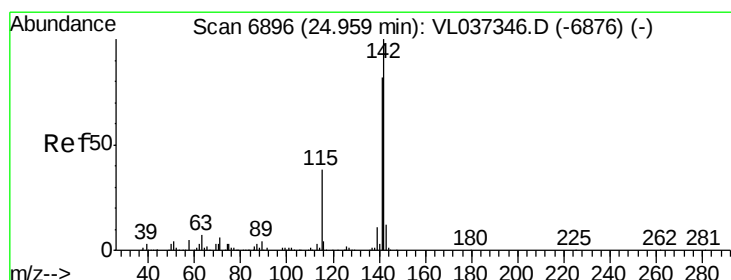
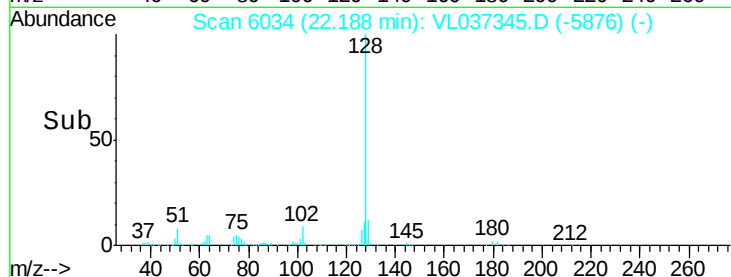
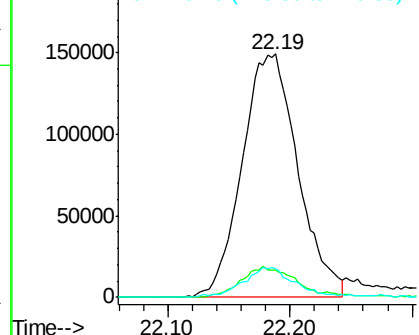
Tot Ion:	128	Resp:	468617
Ion Ratio	Lower	Upper	
128	100		
127	11.1	10.2	15.2
129	11.7	8.8	13.2

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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 1.491 ppbv

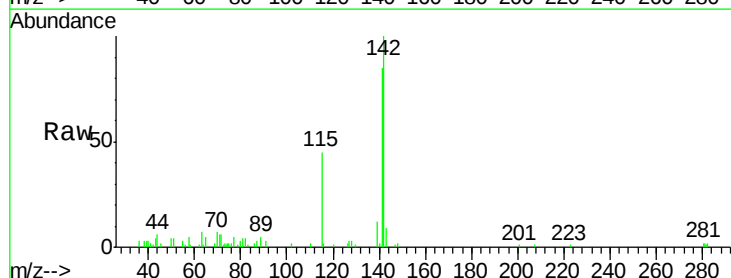
RT: 24.97 min Scan# 6898

Delta R.T. 0.01 min

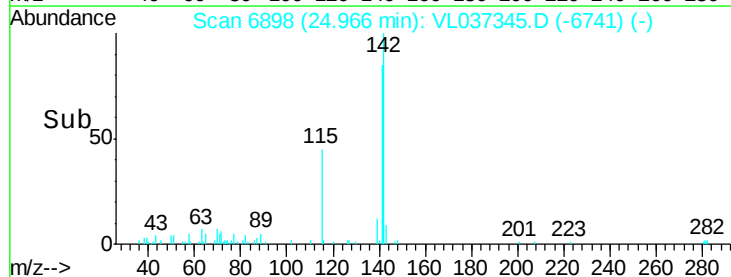
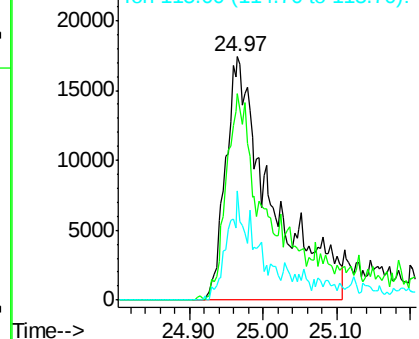
Lab File: VL037345.D

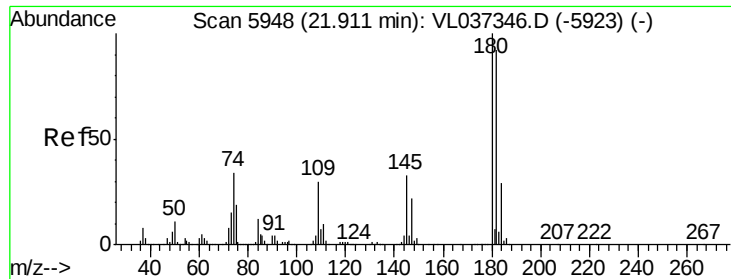
Acq: 6 Aug 2021 14:28

Tgt Ion:	142	Resp:	75592
Ion Ratio	Lower	Upper	
142	100		
141	70.3	68.4	102.6
115	37.0	30.0	45.0



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 1.734 ppbv m
 RT: 21.91 min Scan# 5947
 Delta R.T. -0.00 min
 Lab File: VL037345.D
 Acq: 6 Aug 2021 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:	180	Resp:	334263
Ion Ratio	Lower	Upper	
180	100		
182	92.5	78.1	117.1
184	29.5	24.9	37.3

Manual Integrations
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