

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037288.D
 Acq On : 30 Jul 2021 17:02
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:57:26 AM

Quant Time: Jul 30 22:56:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 22:56:43 2021
 QLast Update : Fri Jul 30 22:49:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1311102	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4118069	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3994208m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2927922	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1481877	6.786	ppbv	100
3) Chlorodifluoromethane	2.99	51	2324982	9.080	ppbv	100
4) Chloromethane	3.14	50	812058	9.505	ppbv	100
5) Vinyl Chloride	3.26	62	884298	9.430	ppbv	100
6) Bromomethane	3.47	94	528918	9.474	ppbv	100
7) Chloroethane	3.56	64	309231	9.213	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	2071670	8.878	ppbv	100
9) Propene	3.01	41	751241	9.188	ppbv	100
10) Heptane	8.13	43	1947085	9.782	ppbv	100
11) Trichlorofluoromethane	3.95	101	2099673	8.713	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1563115	9.121	ppbv	100
13) Ethanol	3.61	45	127379	9.748	ppbv	97
14) Bromoethene	3.74	108	699091	9.710	ppbv	100
15) Acetone	3.85	43	1177407	7.867	ppbv	99
16) 1,3-Butadiene	3.33	39	810691	9.318	ppbv	100
17) tert-Butyl alcohol	4.29	59	1392712	10.190	ppbv	100
18) 1,1-Dichloroethene	4.29	96	716071	9.392	ppbv	100
19) Isopropyl Alcohol	3.97	45	818164	9.170	ppbv	98
20) Methylene Chloride	4.35	84	837380	8.973	ppbv	100
21) Allyl Chloride	4.42	41	1036395	9.302	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	742166	9.752	ppbv	100
23) Vinyl Acetate	5.08	43	1764483	8.503	ppbv	100
24) 1,1-Dichloroethane	5.02	63	1421456	8.516	ppbv	100
25) Ethyl Acetate	5.69	43	3224785	9.889	ppbv	100
26) Hexane	5.69	57	1681209	10.048	ppbv	100
27) Carbon Disulfide	4.56	76	1623491	10.283	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1514768	8.069	ppbv	100
29) Chloroform	5.76	83	2333831	9.296	ppbv	100
30) Cyclohexane	7.14	84	1333581	9.747	ppbv	100
31) cis-1,2-Dichloroethene	5.56	61	1480090	9.843	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	2404111	8.982	ppbv	100
34) 2-Butanone	5.25	43	1420343	8.875	ppbv	100
35) Carbon Tetrachloride	7.03	117	2543046	9.292	ppbv	100
36) Benzene	6.90	78	3196973	9.570	ppbv	100
37) 1,2-Dichloroethane	6.31	62	1731980	9.050	ppbv	100
38) Trichloroethene	7.84	130	1412321	8.854	ppbv	100
39) 1,2-Dichloropropane	7.62	63	1204871	9.746	ppbv	100
40) 1,4-Dioxane	7.84	88	322514	9.577	ppbv	100
41) Tetrahydrofuran	6.06	42	719308	9.669	ppbv	100
42) Bromodichloromethane	7.80	83	2529248	9.572	ppbv	100
43) Methyl Methacrylate	8.02	69	1149151	10.008	ppbv	100

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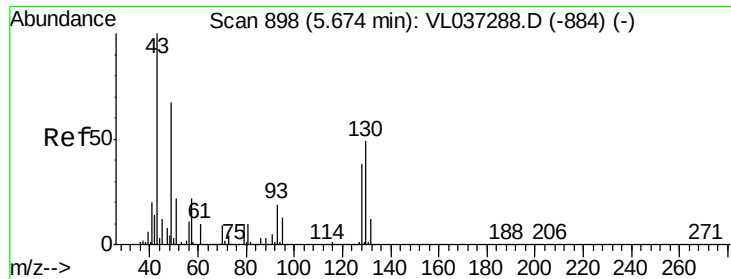
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5157786	9.195	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1122351	11.228	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1428313	10.411	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1356358	9.569	ppbv	100
48) Dibromochloromethane	10.32	129	2362687	10.608	ppbv	100
49) Bromoform	13.06	173	1988985	11.827	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2076479	9.530	ppbv	100
51) 2-Hexanone	10.15	43	1032385	9.748	ppbv	100
52) Tetrachloroethene	11.24	164	1360243	8.747	ppbv	100
53) Toluene	9.82	91	3868629	9.670	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1997108	9.822	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1636499	9.425	ppbv	100
57) Chlorobenzene	12.16	112	2983568	9.208	ppbv	100
58) Ethyl Benzene	12.73	91	5094099	9.303	ppbv	100
59) m/p-Xylene	13.01	91	8595715m	18.522	ppbv	
60) o-Xylene	13.71	91	4048974	9.150	ppbv	100
61) Styrene	13.54	104	2354507	10.330	ppbv	100
62) Isopropylbenzene	14.68	105	5710046	9.054	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2775109	9.345	ppbv	100
64) n-propylbenzene	15.58	120	1559990	9.853	ppbv	100
65) tert-Butylbenzene	16.76	119	5270359	9.360	ppbv	100
66) Benzyl Chloride	17.00	91	332255	12.794	ppbv	100
67) sec-Butylbenzene	17.31	105	7035646	9.364	ppbv	100
69) p-Isopropyltoluene	17.67	119	6116572	9.632	ppbv	100
70) n-Butylbenzene	18.56	91	5751996	9.786	ppbv	100
71) 2-Chlorotoluene	15.46	91	4154129	9.406	ppbv	100
72) 4-Ethyltoluene	15.85	105	5108855	10.035	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4559806	9.305	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	4746302	9.408	ppbv	100
75) 1,3-Dichlorobenzene	17.01	146	3014119	9.748	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2979409	9.586	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	2899387	9.660	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	1930584	7.656	ppbv	100
79) Naphthalene	22.22	128	3694163	9.085	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	1071894	10.100	ppbv	97
81) 1,2,4-Trichlorobenzene	21.94	180	2161060	9.072	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

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ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1311102

Ion Ratio Lower Upper

49 100

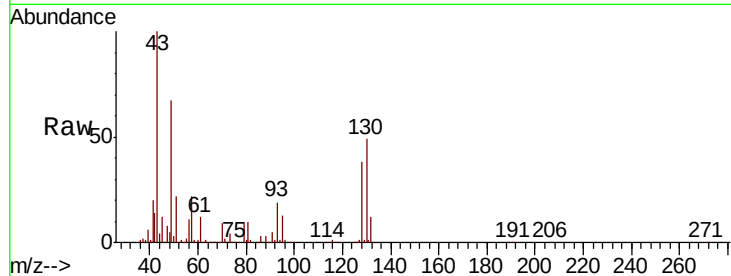
128 61.3 30.6 92.0

130 75.6 37.8 113.4

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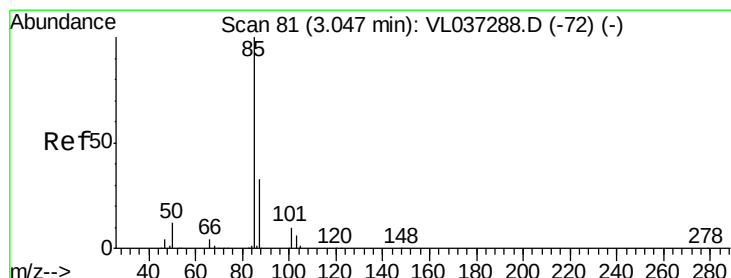
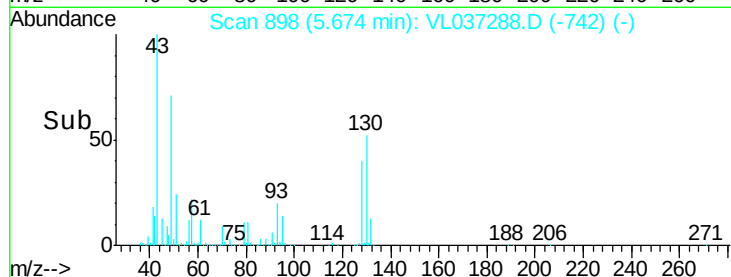
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 6.786 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037288.D

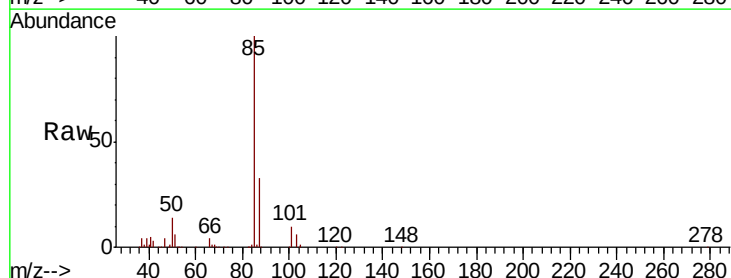
Acq: 30 Jul 2021 17:02

Tgt Ion: 85 Resp: 1481877

Ion Ratio Lower Upper

85 100

87 33.3 26.6 40.0

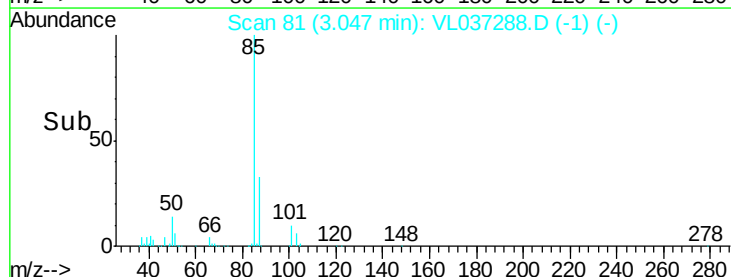


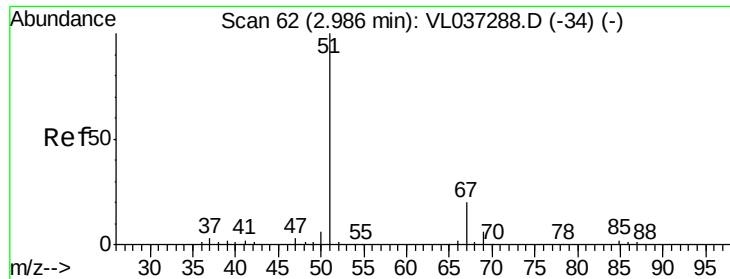
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

Time-->





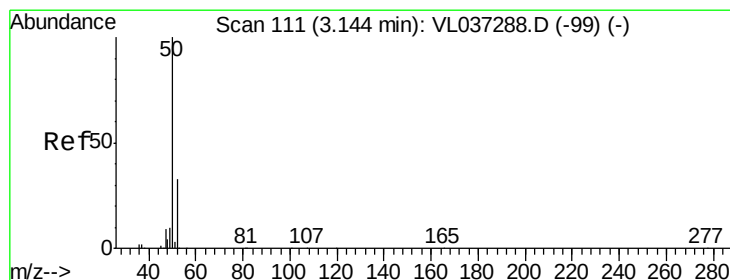
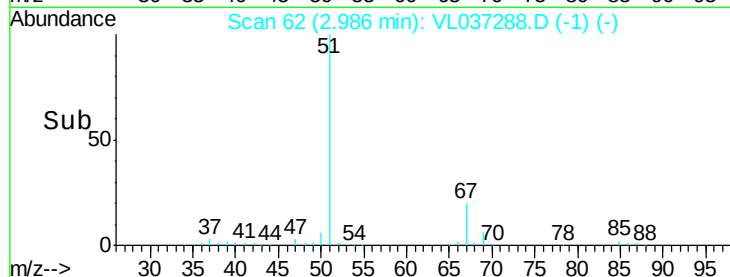
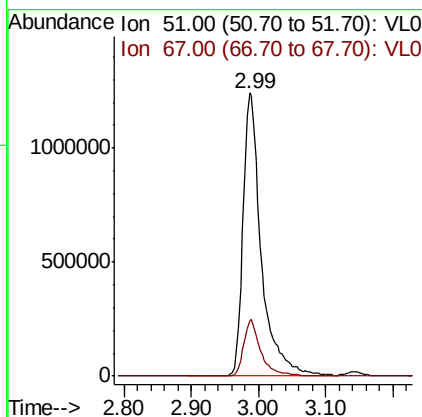
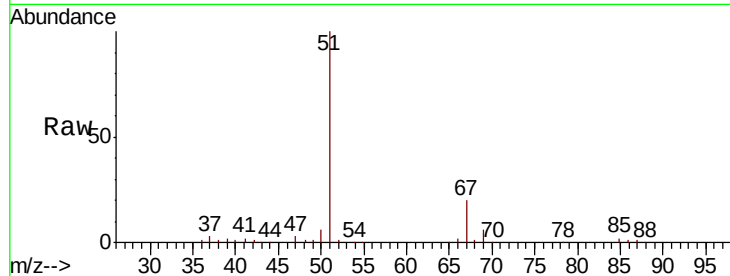
#3
Chlorodifluoromethane
Concen: 9.080 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 51 Resp: 2324982
Ion Ratio Lower Upper
51 100
67 19.0 15.2 22.8

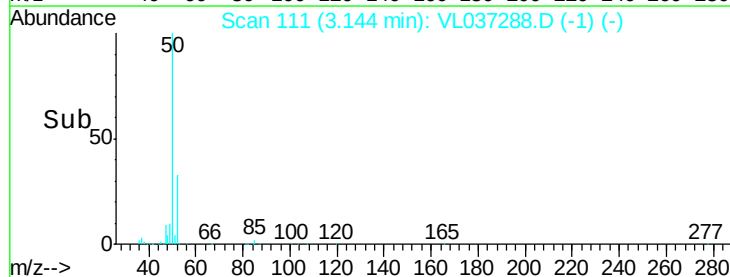
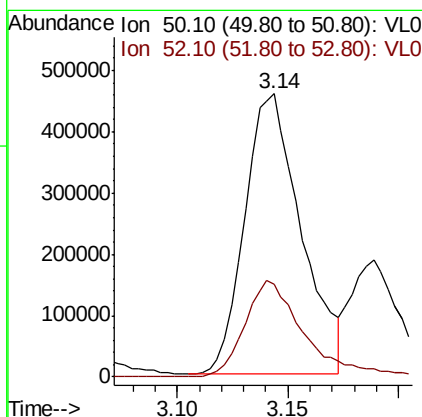
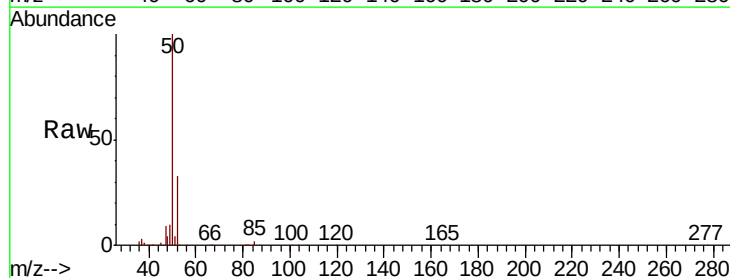
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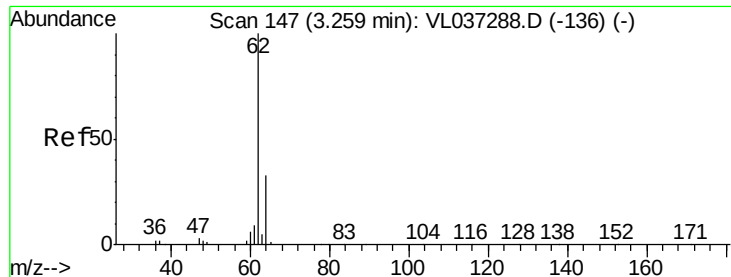
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#4
Chloromethane
Concen: 9.505 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Tgt Ion: 50 Resp: 812058
Ion Ratio Lower Upper
50 100
52 32.8 26.2 39.4





#5

Vinyl Chloride

Concen: 9.430 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 884298

Ion Ratio Lower Upper

62 100

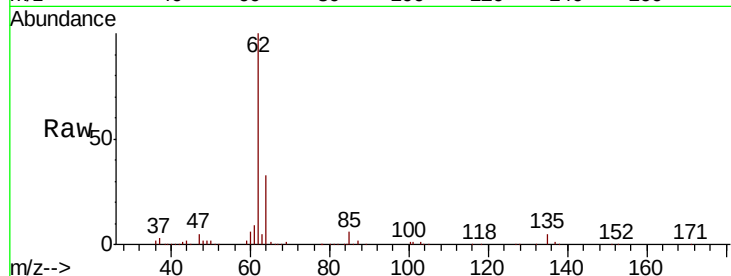
64 32.6 26.1 39.1

Manual Integrations

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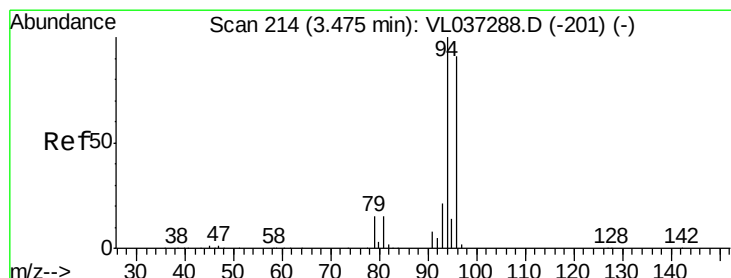
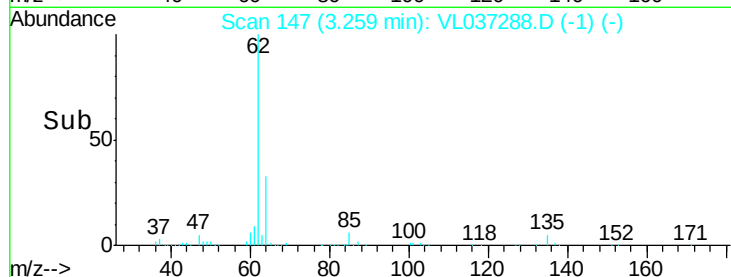
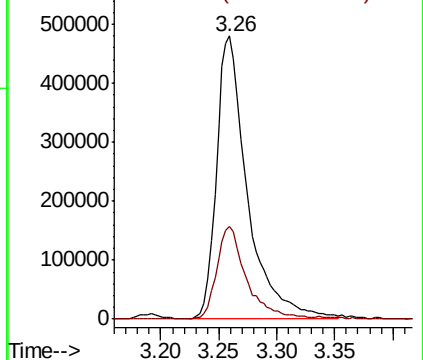
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.474 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037288.D

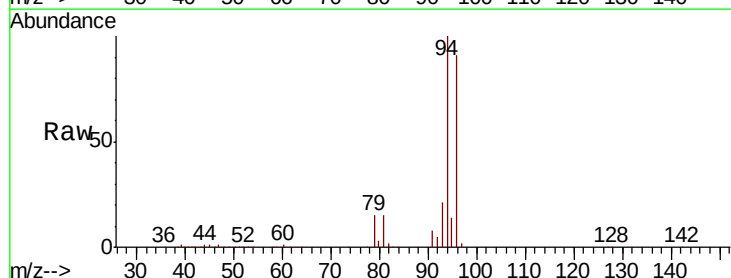
Acq: 30 Jul 2021 17:02

Tgt Ion: 94 Resp: 528918

Ion Ratio Lower Upper

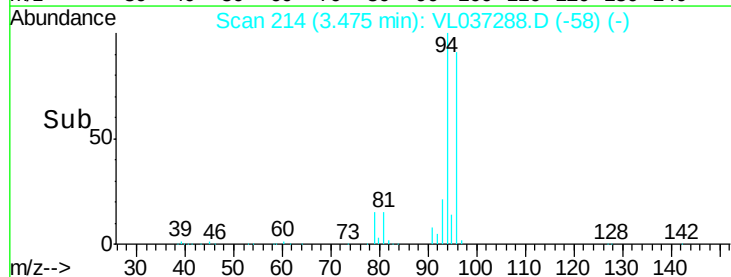
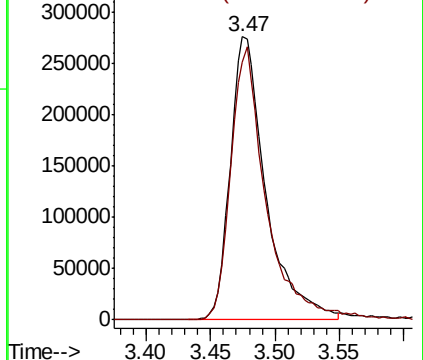
94 100

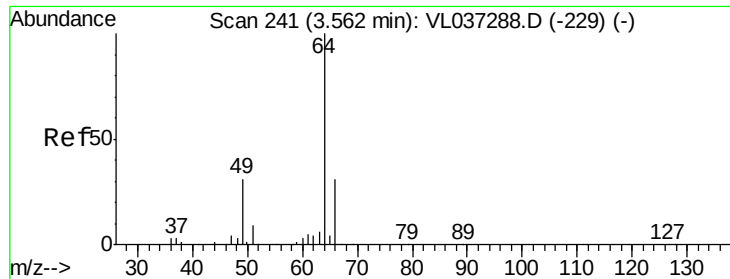
96 90.9 72.7 109.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.213 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Instrument :

MSVOA_L

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VSTDICCC010

Tot Ion: 64 Resp: 309231

Ion Ratio Lower Upper

64 100

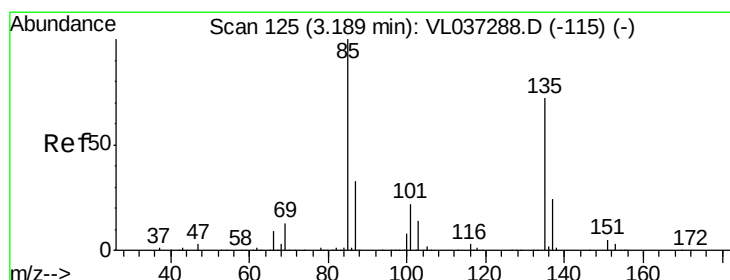
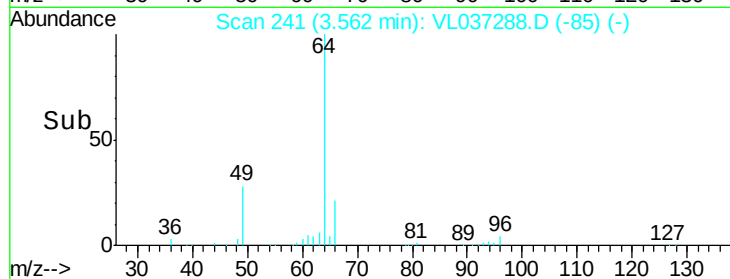
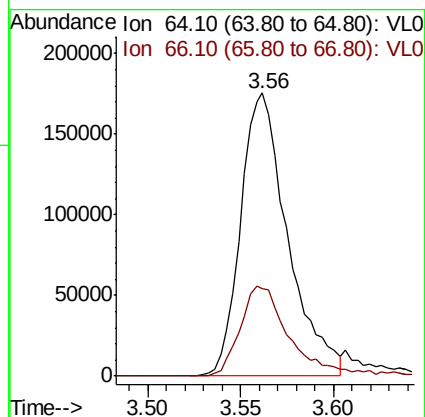
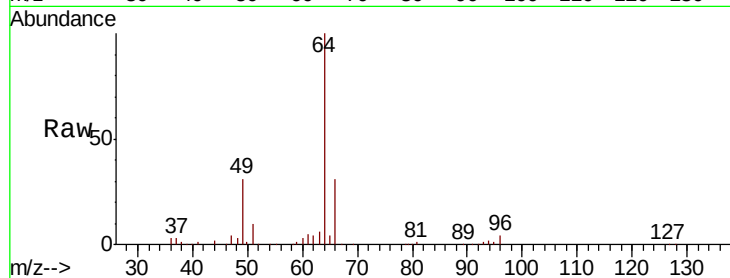
66 31.1 24.9 37.3

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#8

Dichlorotetrafluoroethane

Concen: 8.878 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL037288.D

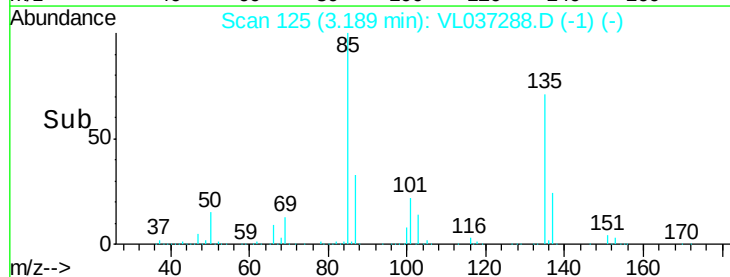
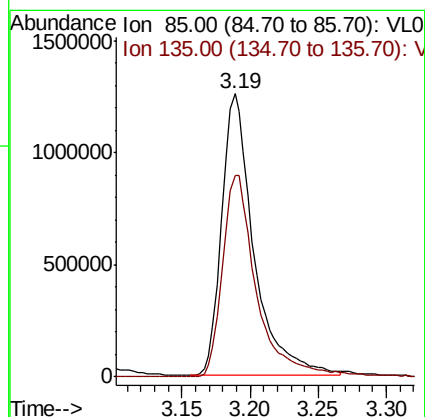
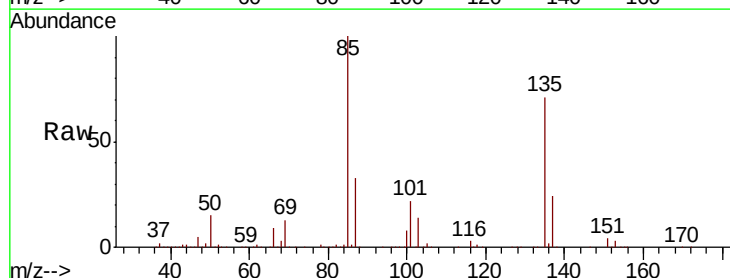
Acq: 30 Jul 2021 17:02

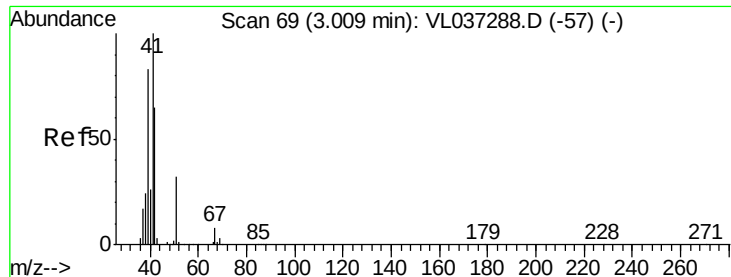
Tgt Ion: 85 Resp: 2071670

Ion Ratio Lower Upper

85 100

135 76.2 61.0 91.4





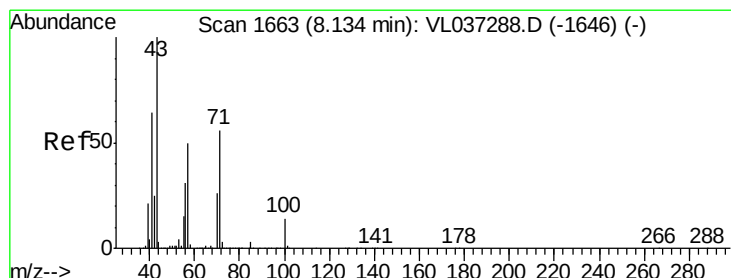
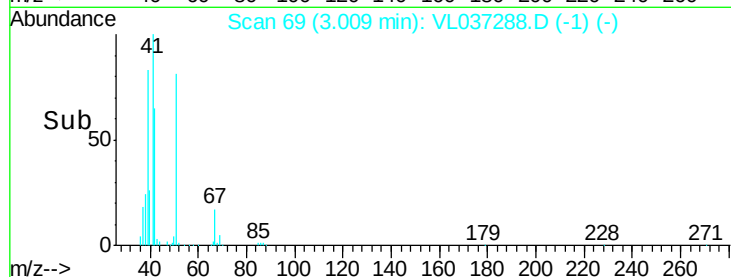
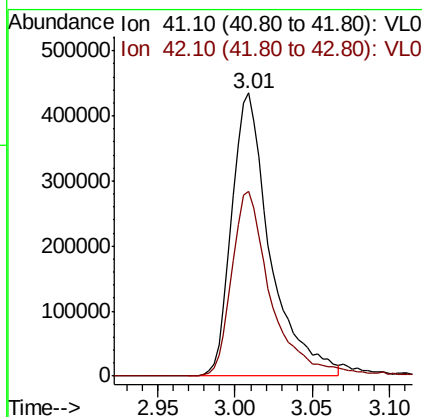
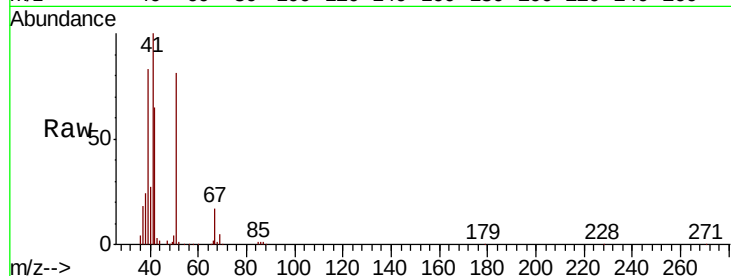
#9
 Propene
 Concen: 9.188 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 41 Resp: 751241
 Ion Ratio Lower Upper
 41 100
 42 67.5 54.0 81.0

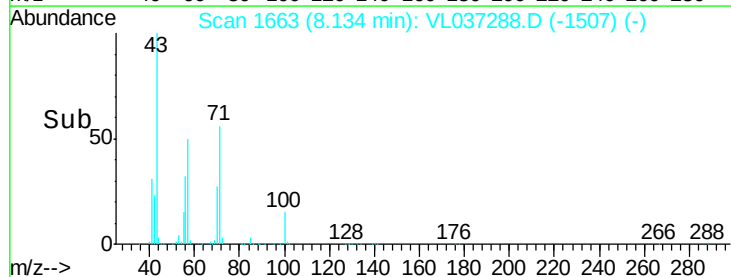
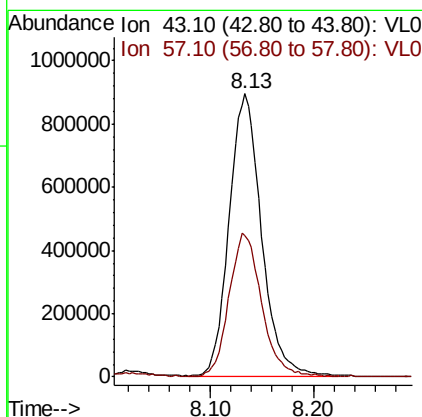
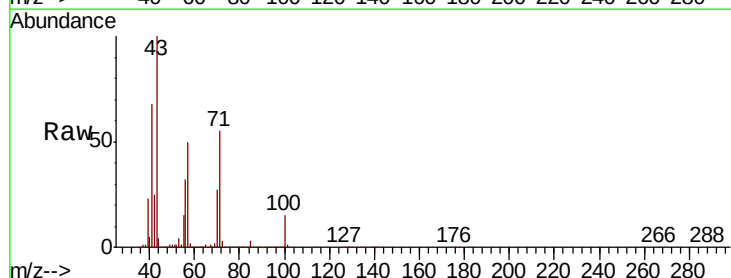
Manual Integrations
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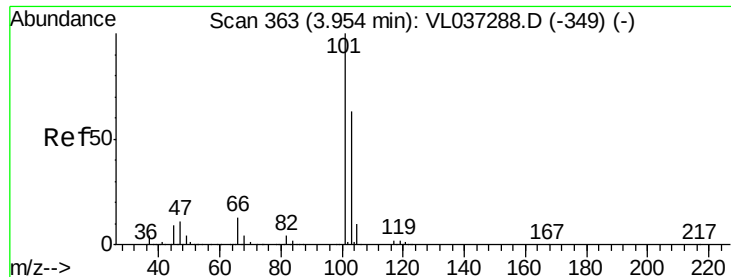
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#10
 Heptane
 Concen: 9.782 ppbv
 RT: 8.13 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VL037288.D
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Tgt Ion: 43 Resp: 1947085
 Ion Ratio Lower Upper
 43 100
 57 51.1 40.9 61.3





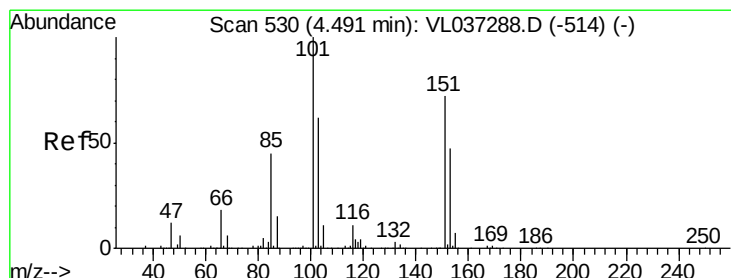
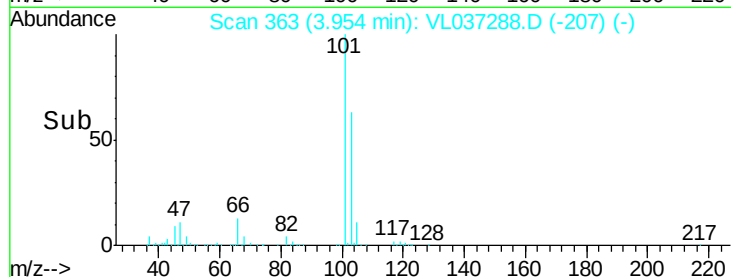
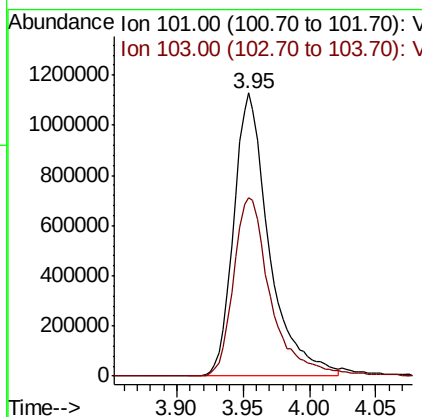
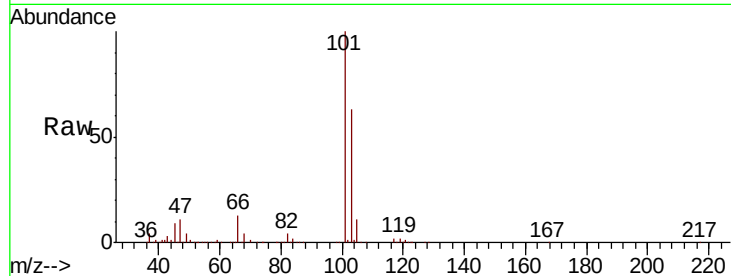
#11
 Trichlorofluoromethane
 Concen: 8.713 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 2099673
 Ion Ratio Lower Upper
 101 100
 103 63.2 50.6 75.8

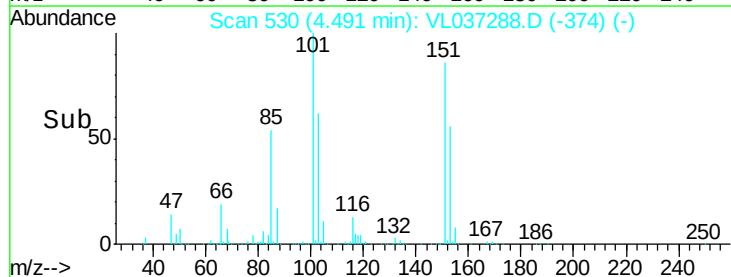
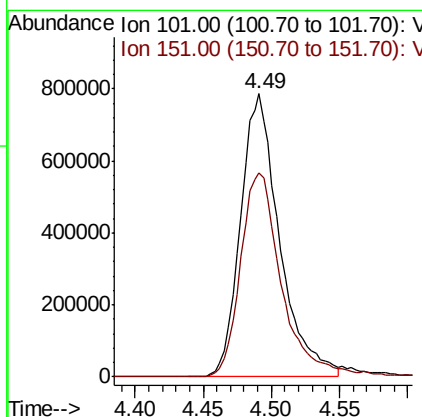
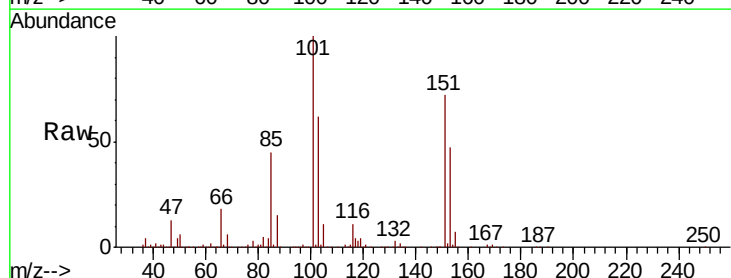
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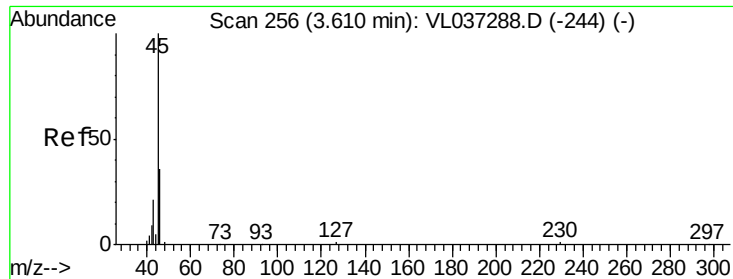
MMDadoda
 8/2/2021 8:57:26 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.121 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Tgt Ion:101 Resp: 1563115
 Ion Ratio Lower Upper
 101 100
 151 76.7 61.4 92.0





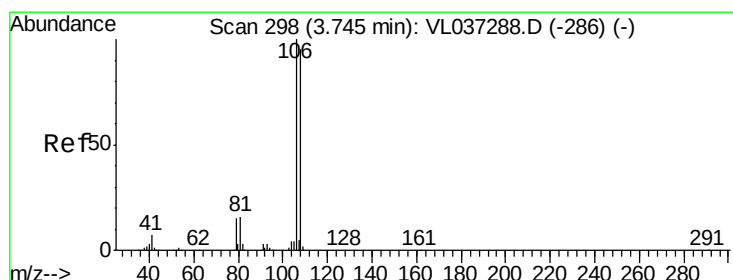
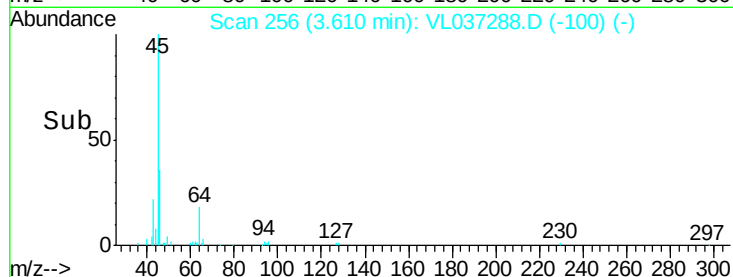
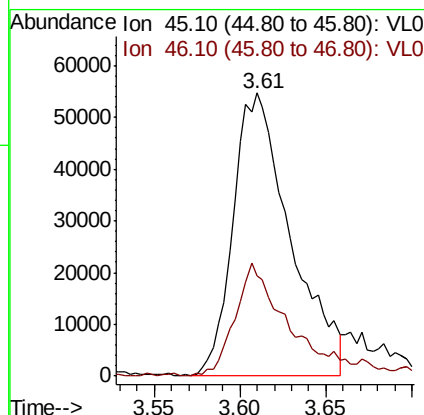
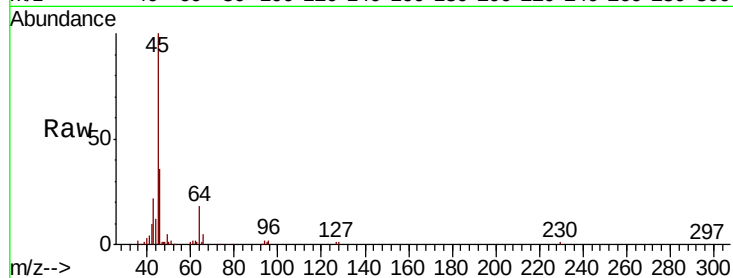
#13
Ethanol
Concen: 9.748 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	45	Resp	127379
Ion Ratio	100	Lower	Upper
46	38.9	16.2	64.8

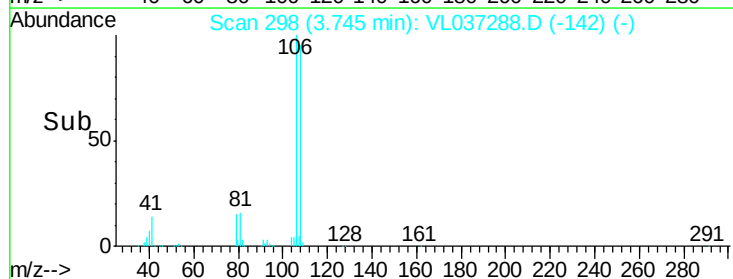
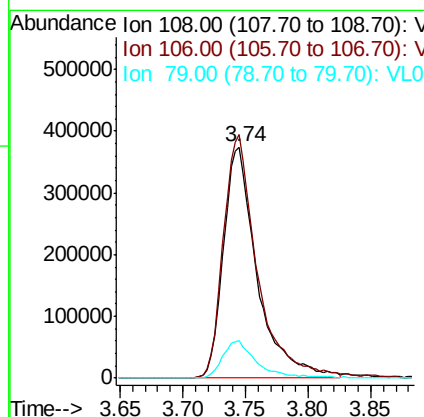
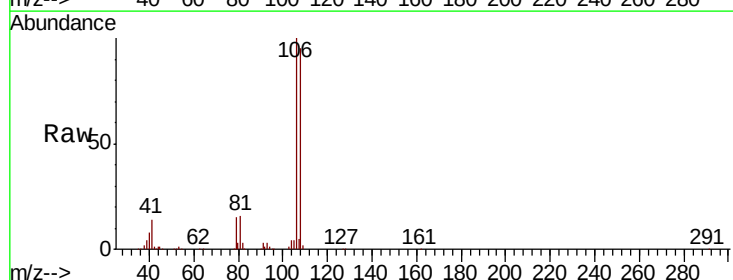
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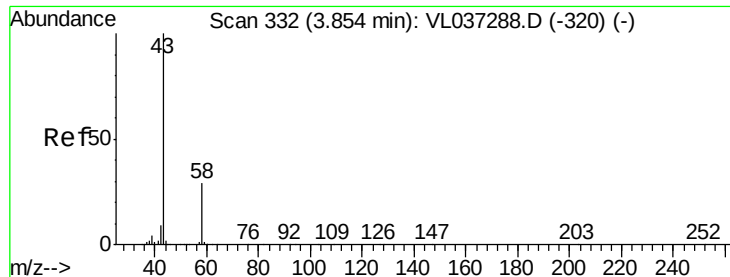
MMDadoda
8/2/2021 8:57:26 AM



#14
Bromoethene
Concen: 9.710 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Tgt Ion	108	Resp	699091
Ion Ratio	100	Lower	Upper
106	107.7	86.2	129.2
79	16.6	13.3	19.9





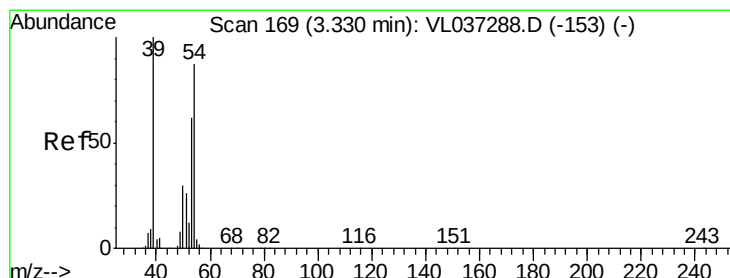
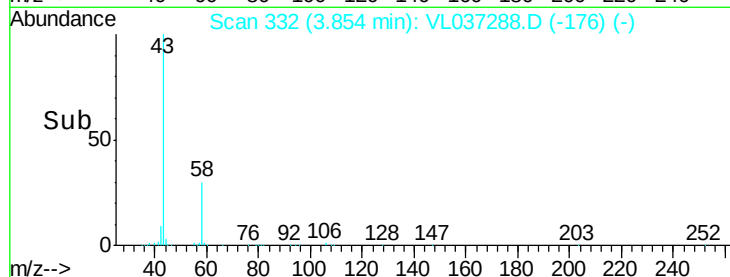
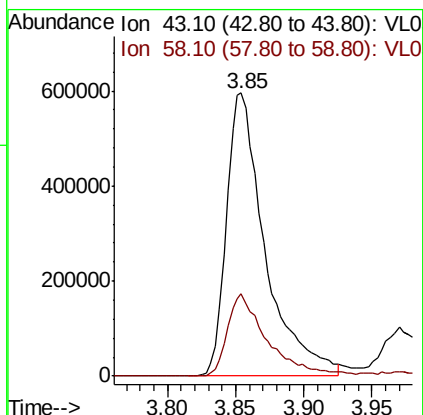
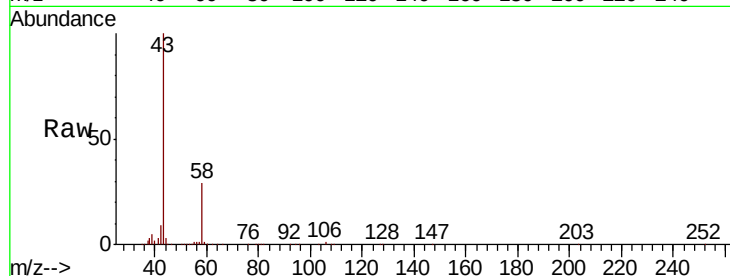
#15
Acetone
Concen: 7.867 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1177407
Ion Ratio Lower Upper
43 100
58 30.0 24.2 36.4

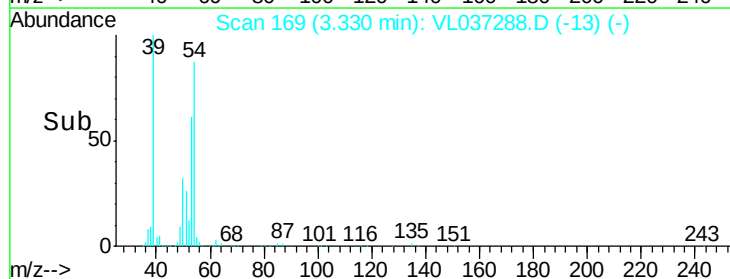
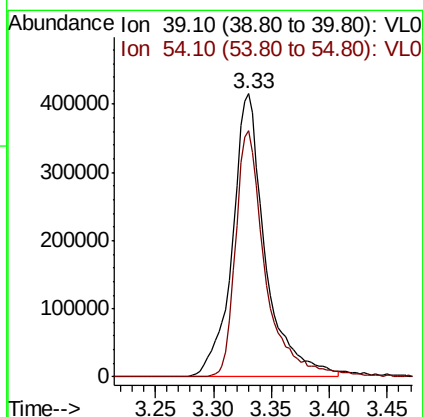
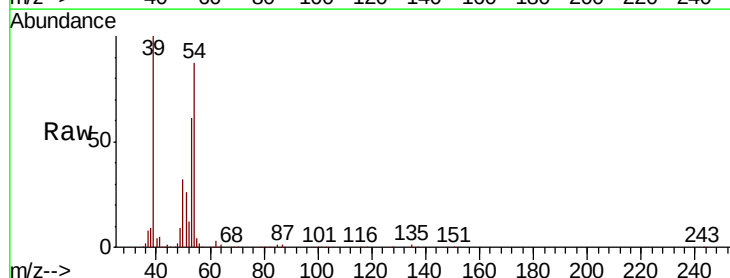
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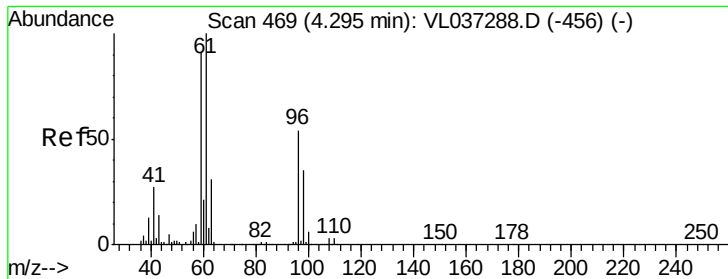
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#16
1,3-Butadiene
Concen: 9.318 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Tgt Ion: 39 Resp: 810691
Ion Ratio Lower Upper
39 100
54 79.9 63.9 95.9





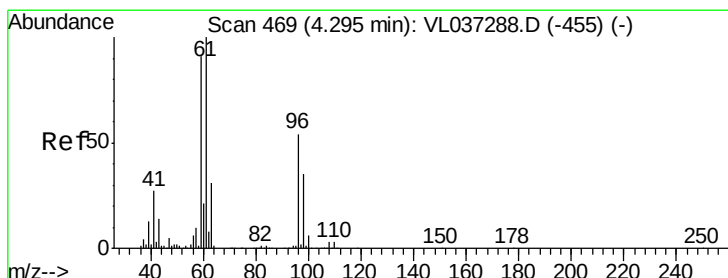
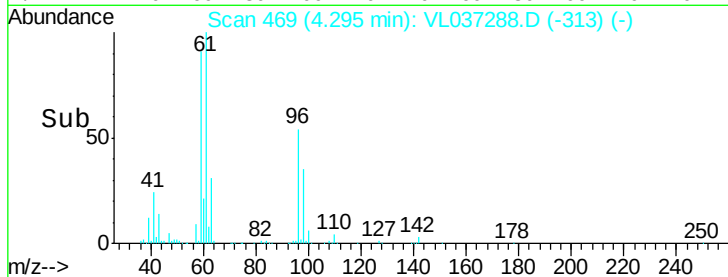
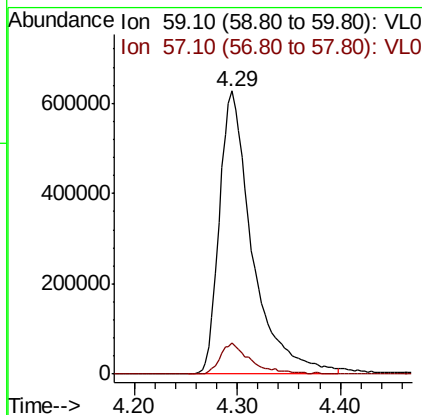
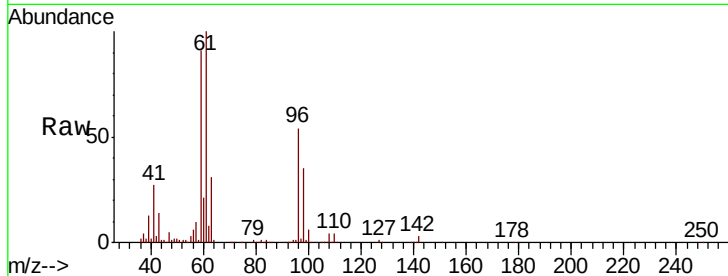
#17
tert-Butyl alcohol
Concen: 10.190 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1392712
Ion Ratio Lower Upper
59 100
57 10.8 8.6 13.0

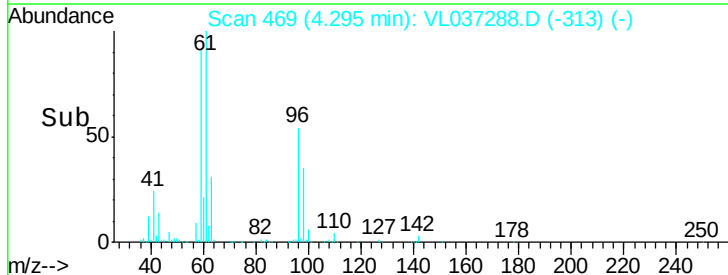
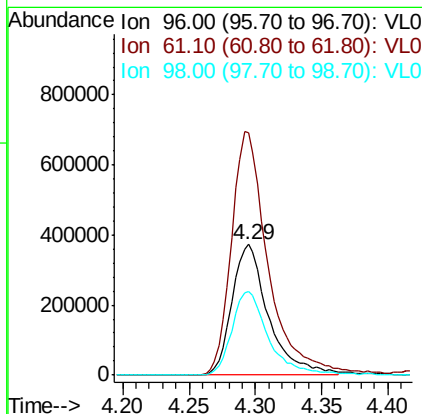
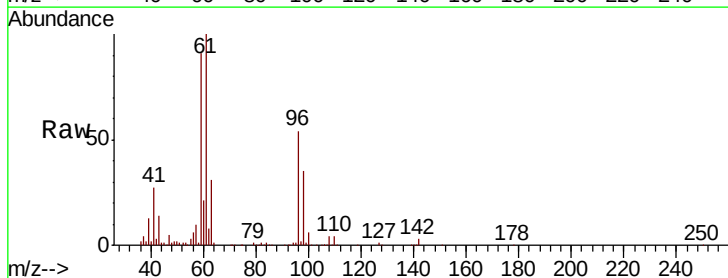
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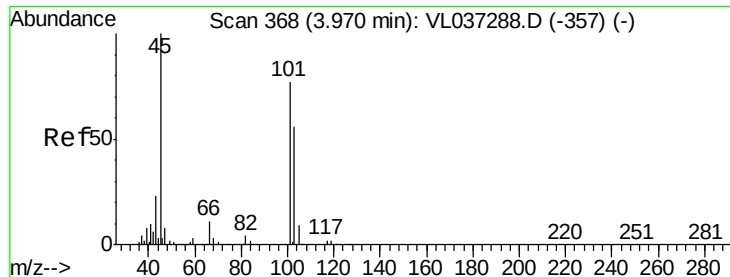
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#18
1,1-Dichloroethene
Concen: 9.392 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Tgt Ion: 96 Resp: 716071
Ion Ratio Lower Upper
96 100
61 185.4 148.3 222.5
98 64.2 51.4 77.0





#19

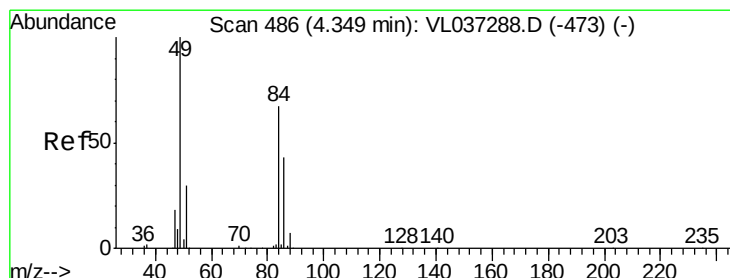
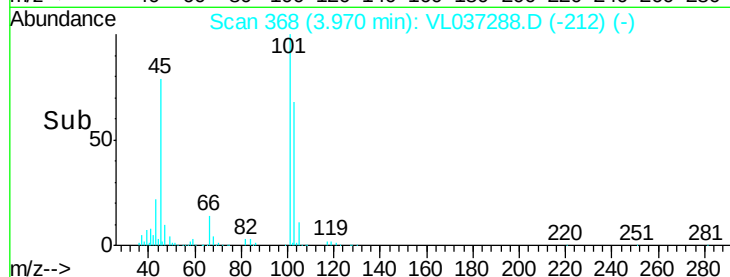
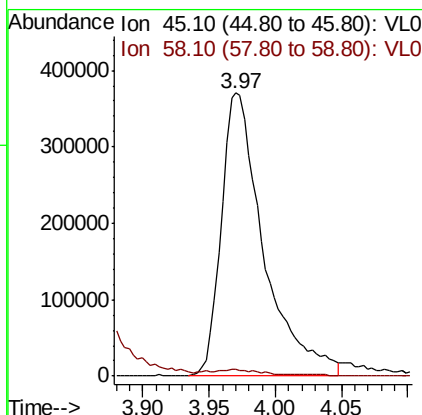
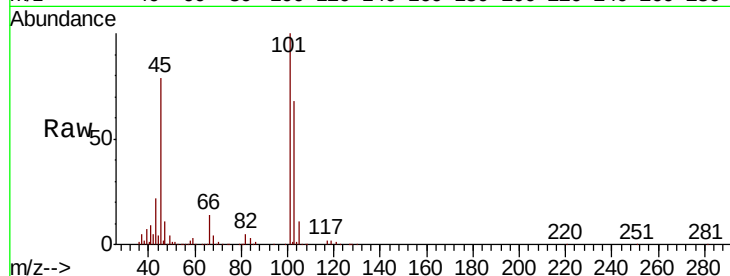
Isopropyl Alcohol
 Concen: 9.170 ppbv
 RT: 3.97 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	45	58	Ratio	100	2.2	Resp	818164	Lower	Upper
45	100								
58		2.2						2.2	3.2

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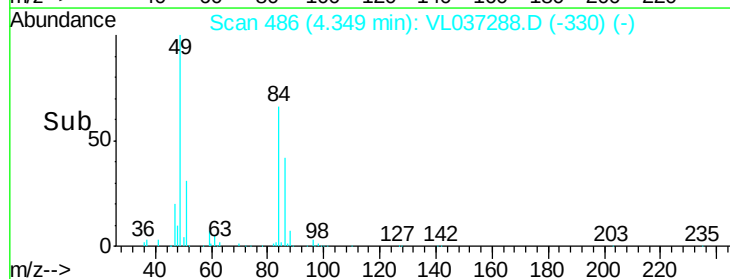
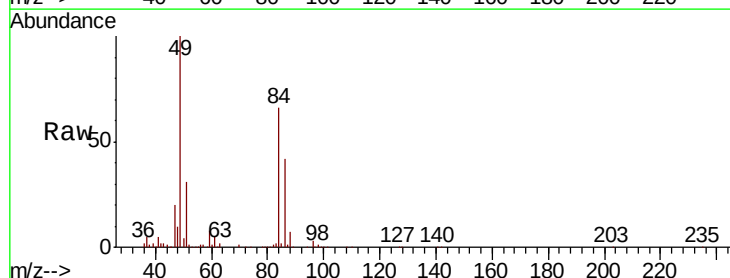
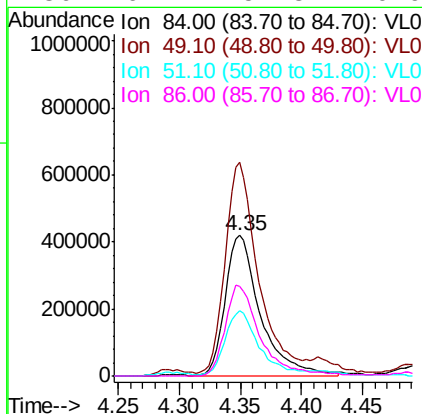
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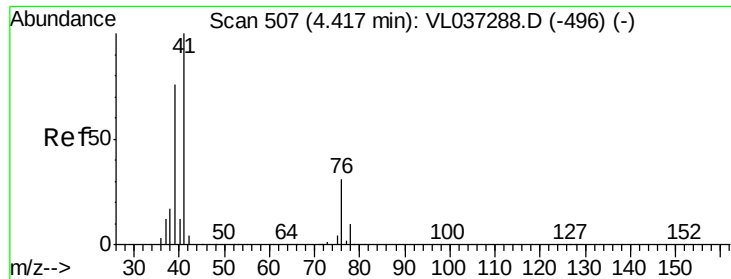


#20

Methylene Chloride
 Concen: 8.973 ppbv
 RT: 4.35 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Tgt Ion	84	49	51	86	Ratio	100	150.3	45.6	64.1	Resp	837380	Lower	Upper
84	100												
49		150.3					120.2					180.4	
51		45.6					36.5					54.7	
86		64.1					51.3					76.9	





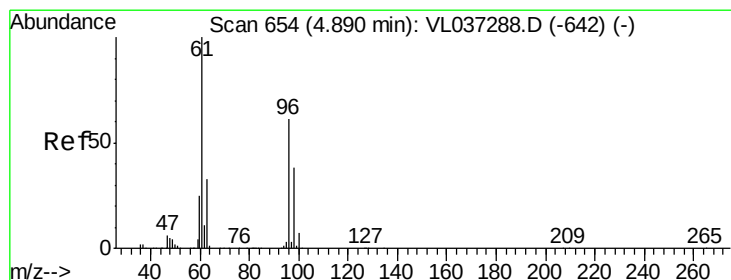
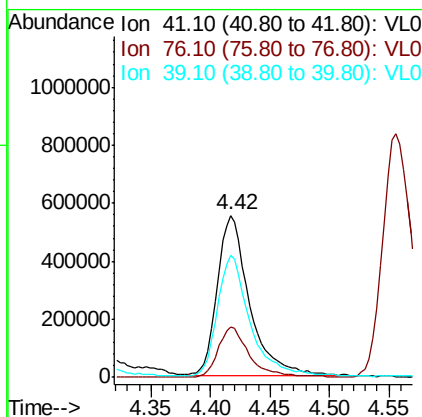
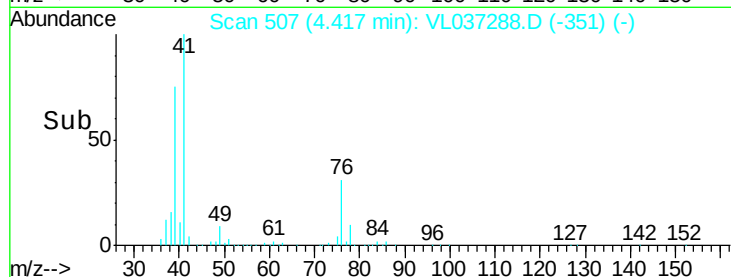
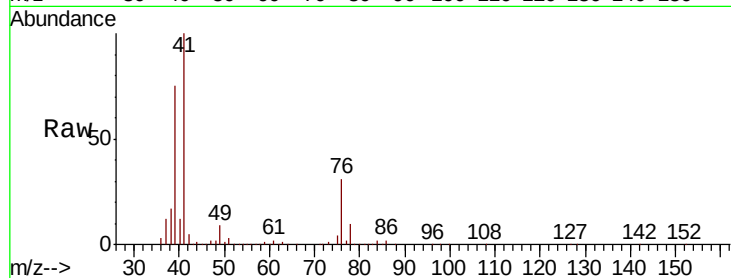
#21
Allvl Chloride
Concen: 9.302 ppbv
RT: 4.42 min Scan# 507
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 41 Resp: 1036395
Ion Ratio Lower Upper
41 100
76 30.9 24.7 37.1
39 80.6 64.5 96.7

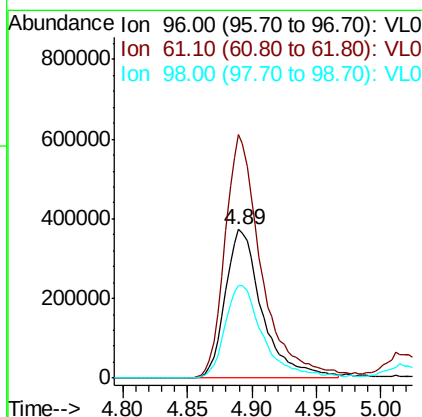
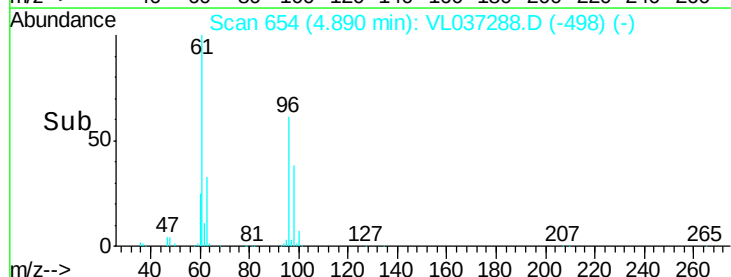
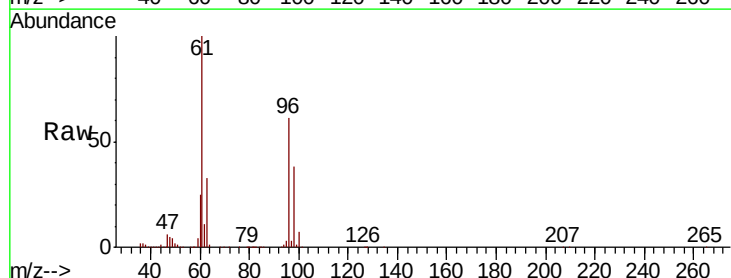
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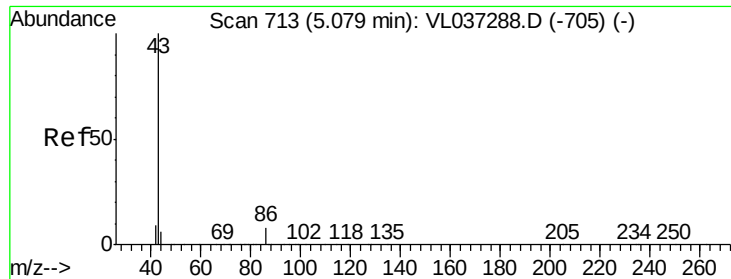
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#22
trans-1,2-Dichloroethene
Concen: 9.752 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Tgt Ion: 96 Resp: 742166
Ion Ratio Lower Upper
96 100
61 163.9 131.1 196.7
98 62.4 49.9 74.9





#23

Vinyl Acetate

Concen: 8.503 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1764483

Ion Ratio Lower Upper

43 100

86 7.1 5.7 8.5

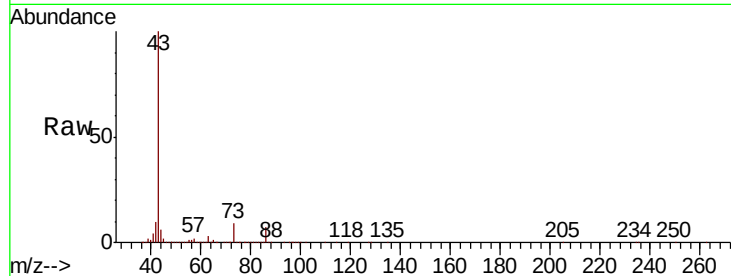
42 10.1 8.1 12.1

44 5.1 4.1 6.1

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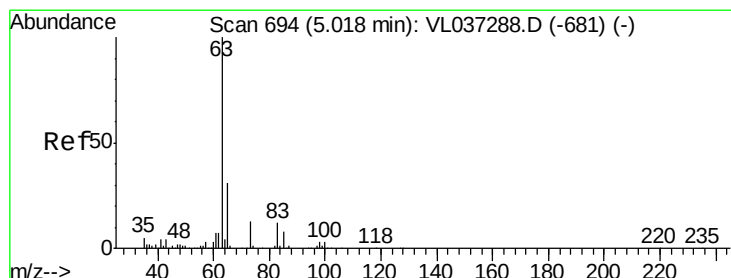
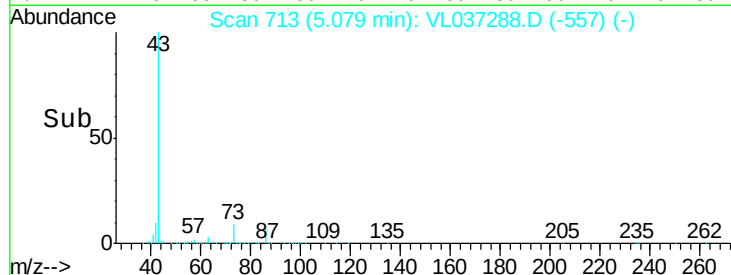
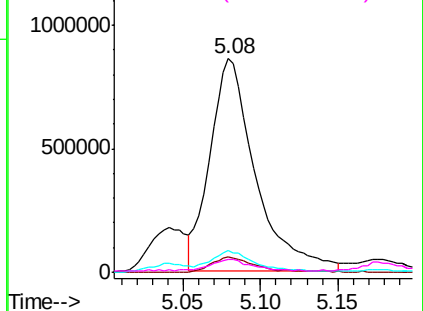


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.516 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

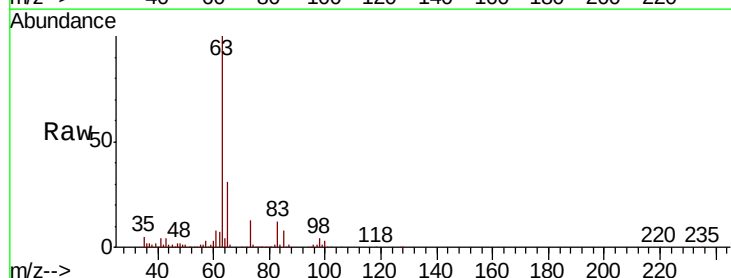
Tgt Ion: 63 Resp: 1421456

Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

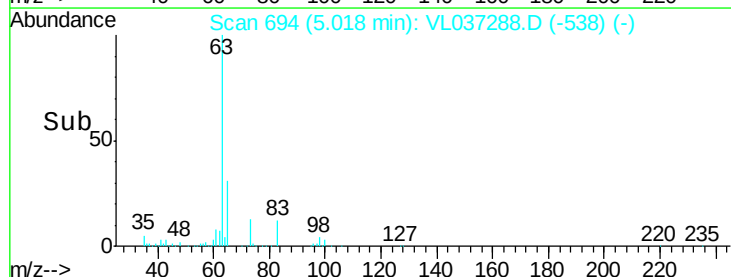
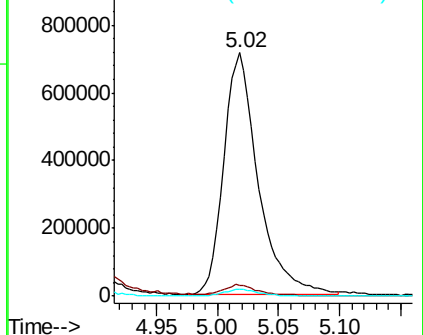
100 2.8 1.4 4.2

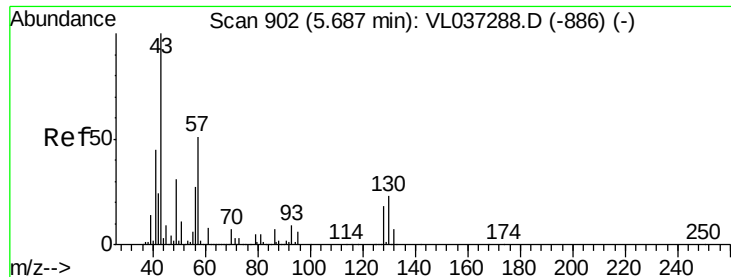


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





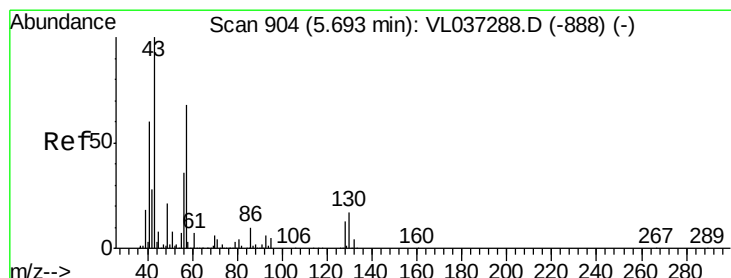
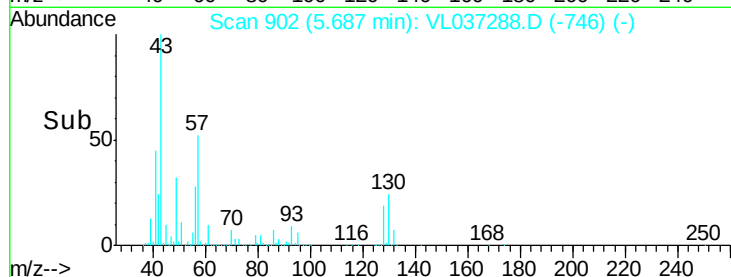
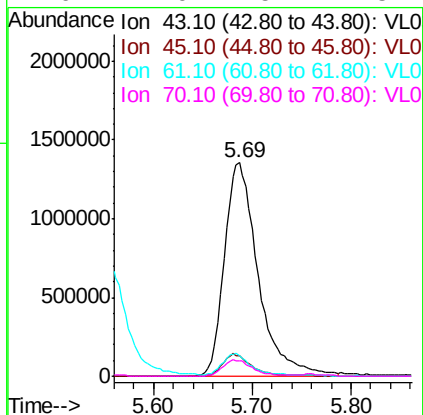
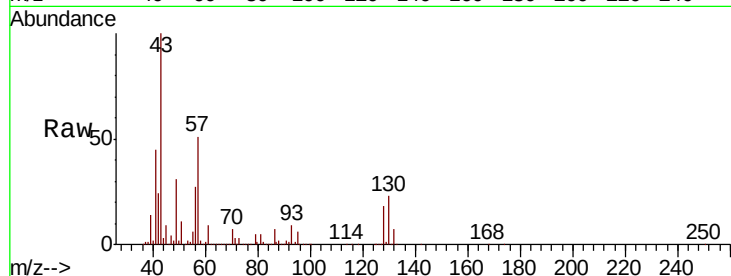
#25
Ethyl Acetate
Concen: 9.889 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.4	7.4	11.2	
61	9.7	7.8	11.6	
70	7.0	5.4	8.2	

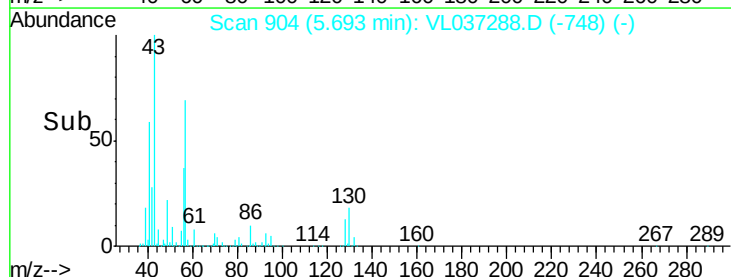
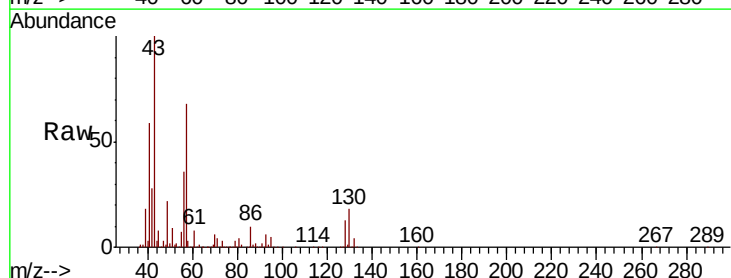
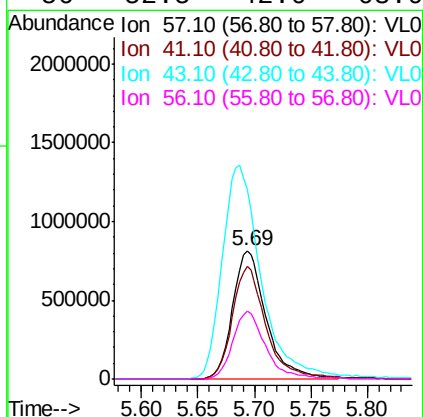
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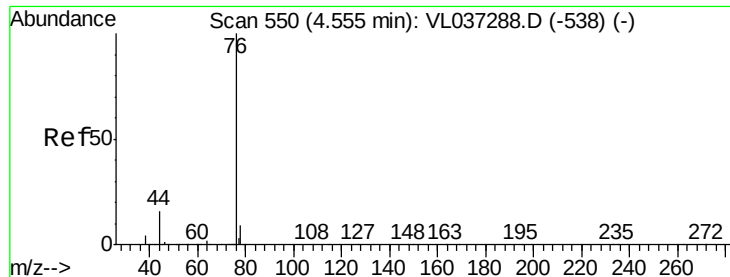
MMDadoda
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#26
Hexane
Concen: 10.048 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	88.8	71.0	106.6	
43	193.7	155.0	232.4	
56	52.5	42.0	63.0	





#27

Carbon Disulfide

Concen: 10.283 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 1623491

Ion Ratio Lower Upper

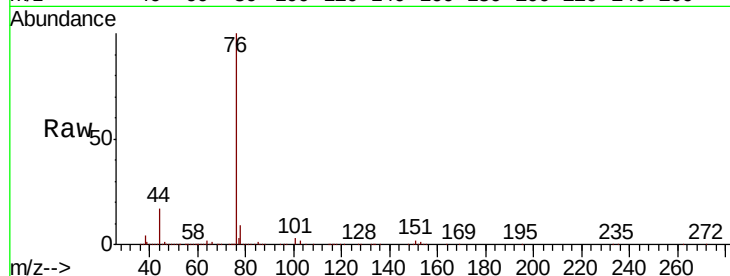
76 100

44 17.6 14.1 21.1

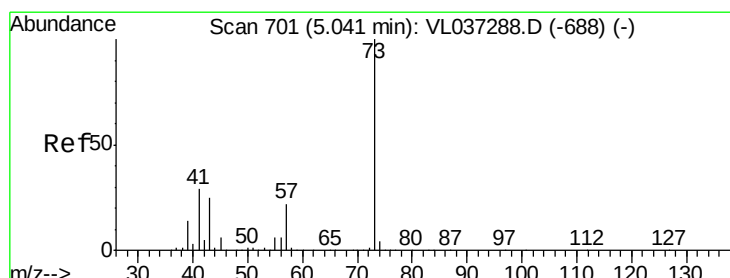
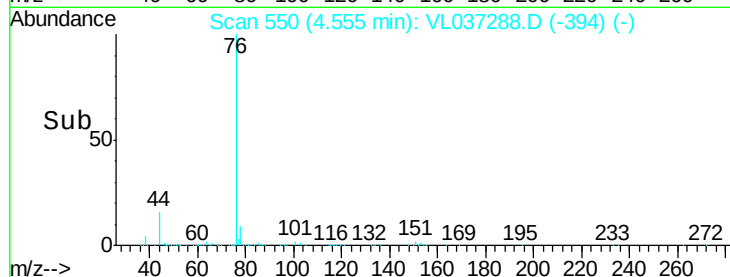
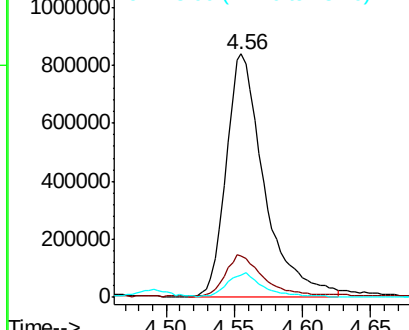
78 10.0 8.0 12.0

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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.069 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.00 min

Lab File: VL037288.D

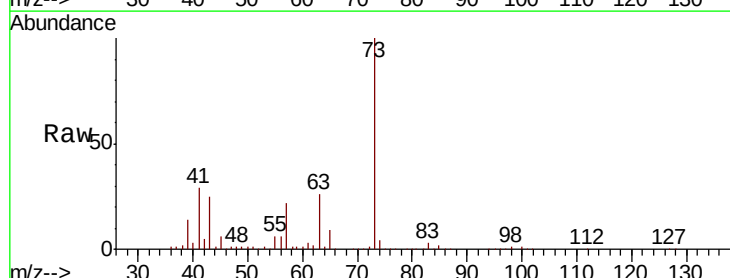
Acq: 30 Jul 2021 17:02

Tgt Ion: 73 Resp: 1514768

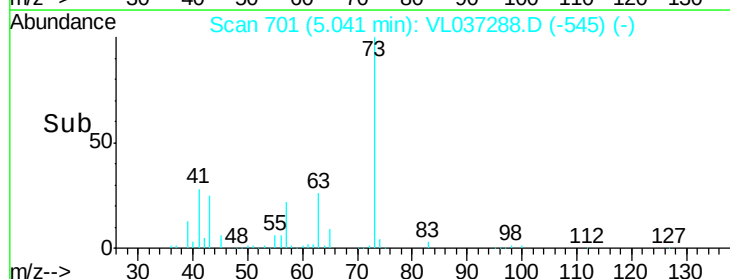
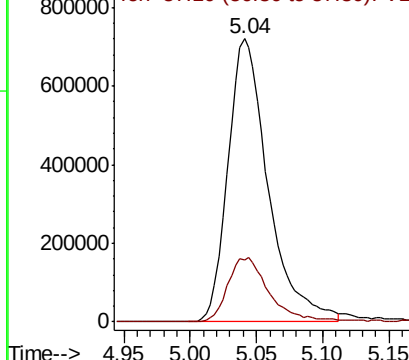
Ion Ratio Lower Upper

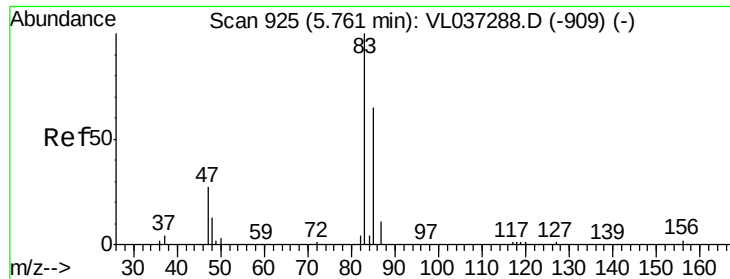
73 100

57 23.8 19.0 28.6



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





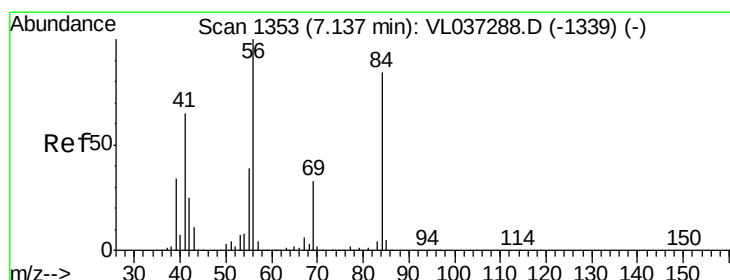
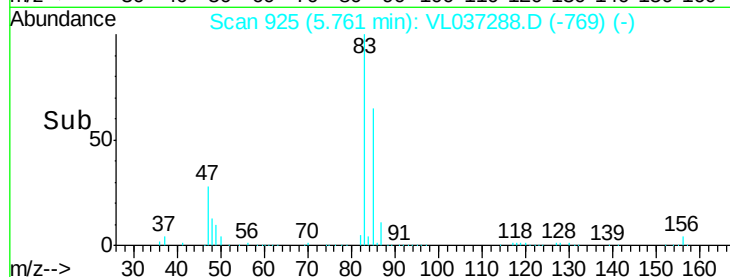
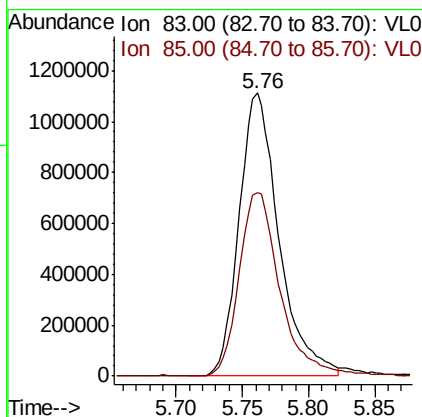
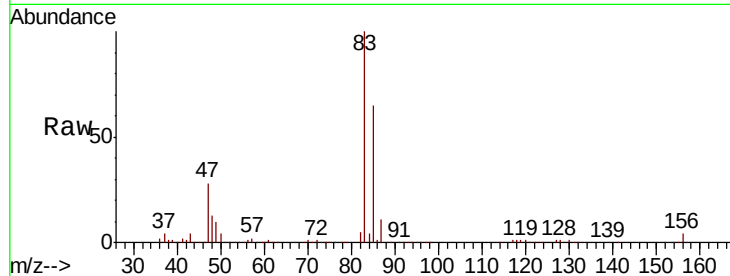
#29
Chloroform
Concen: 9.296 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2333831
Ion Ratio Lower Upper
83 100
85 64.9 51.9 77.9

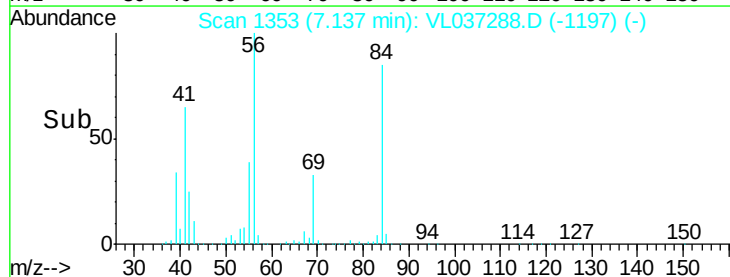
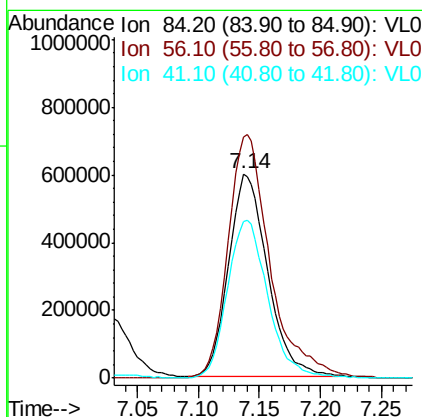
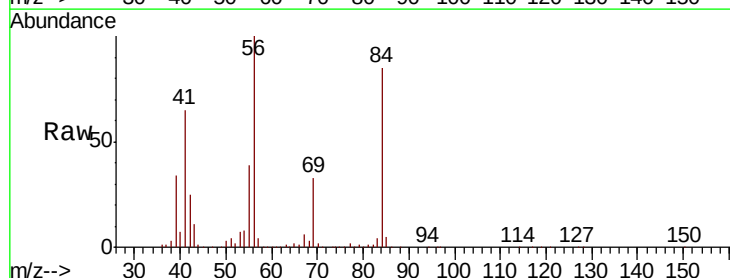
Manual Integrations
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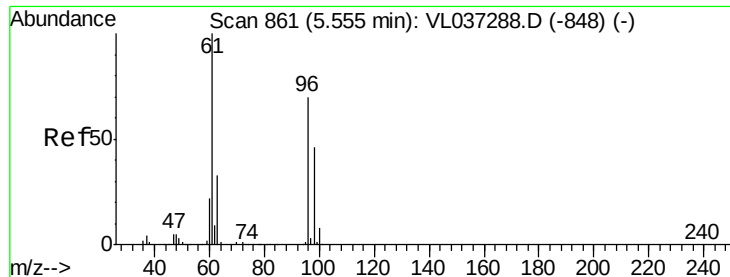
MMDadoda
8/2/2021 8:57:26 AM



#30
Cyclohexane
Concen: 9.747 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Tgt Ion: 84 Resp: 1333581
Ion Ratio Lower Upper
84 100
56 130.1 104.1 156.1
41 80.6 64.7 97.1





#31

cis-1,2-Dichloroethene

Concen: 9.843 ppbv

RT: 5.56 min Scan# 861

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 61 Resp: 1480090

Ion Ratio Lower Upper

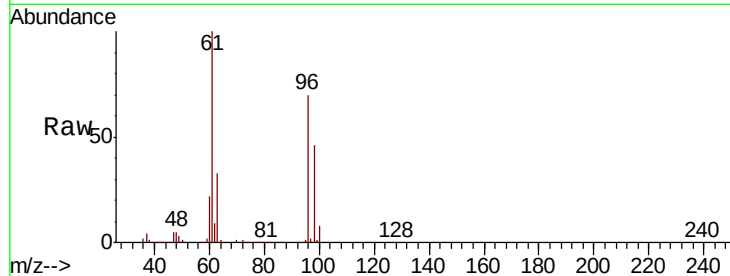
61 100

96 69.9 55.9 83.9

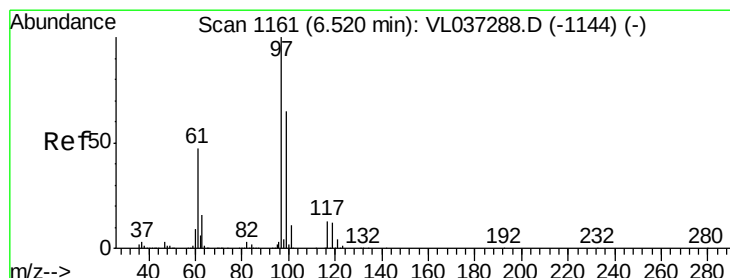
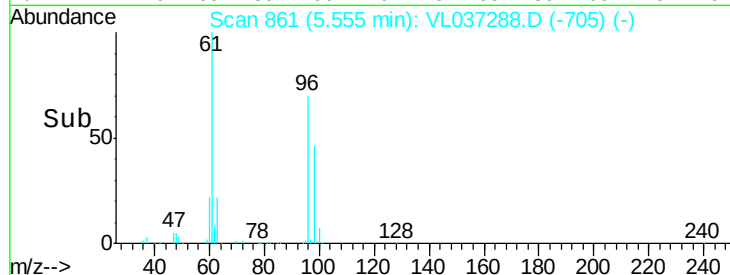
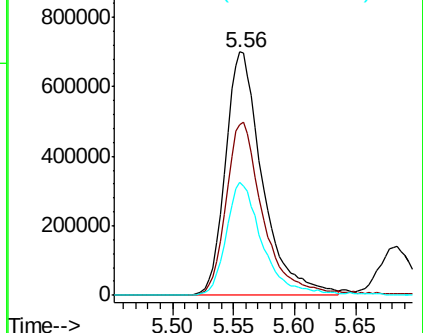
98 46.4 37.1 55.7

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8/2/2021 8:57:26 AM



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.982 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

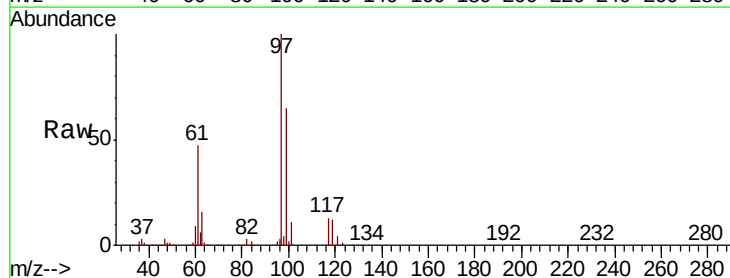
Tgt Ion: 97 Resp: 2404111

Ion Ratio Lower Upper

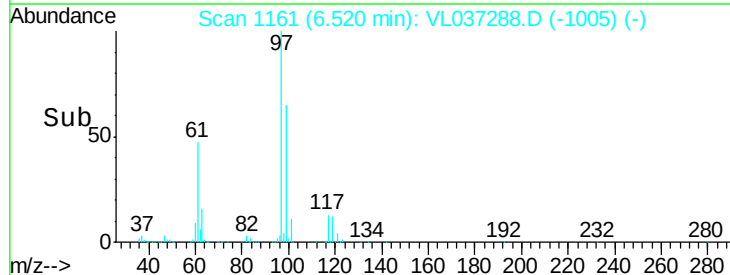
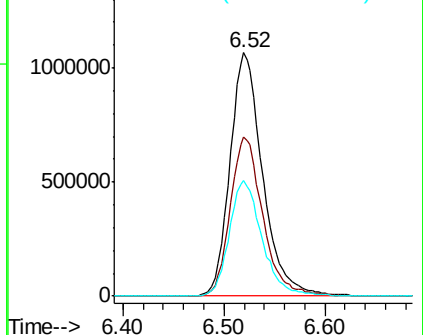
97 100

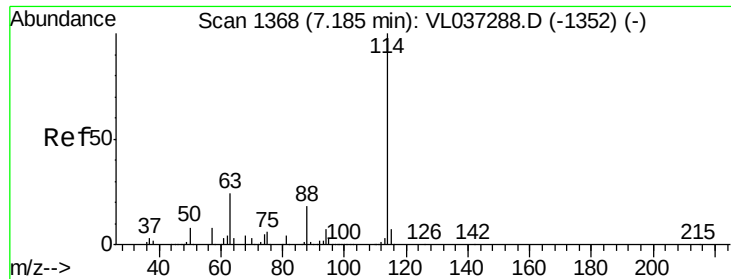
99 65.6 52.5 78.7

61 47.8 38.2 57.4



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





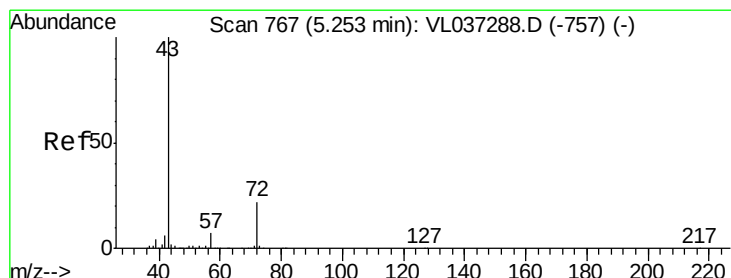
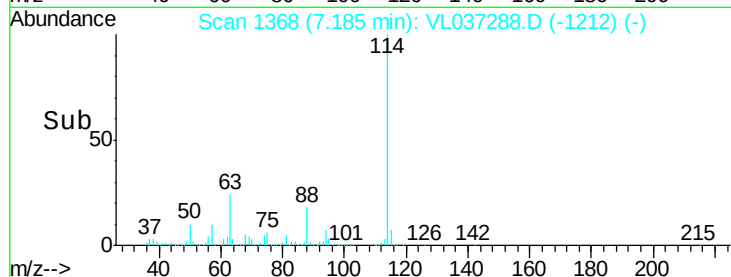
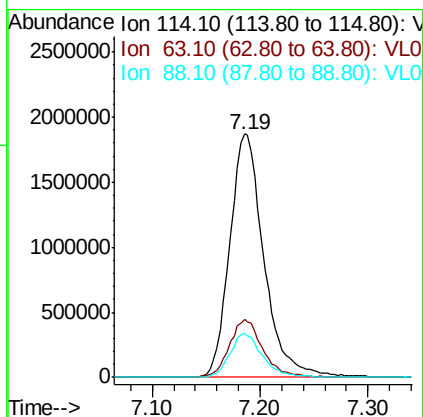
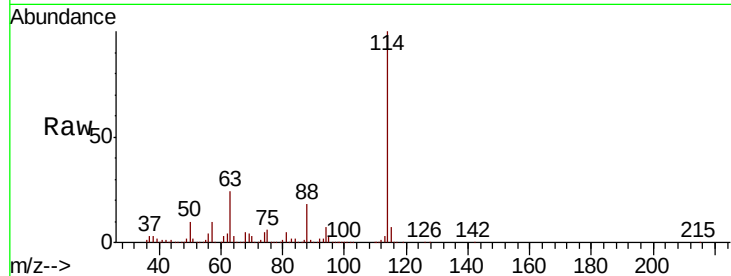
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.0	28.4
88	17.5	14.0	21.0

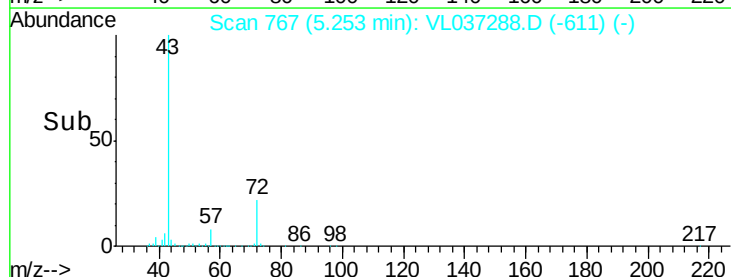
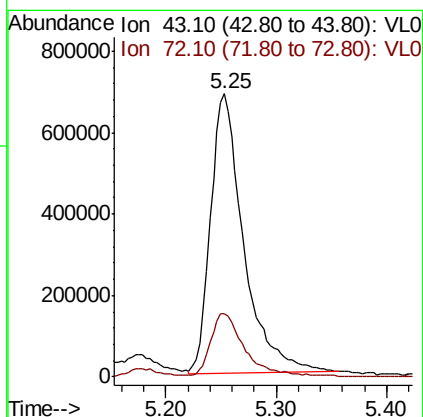
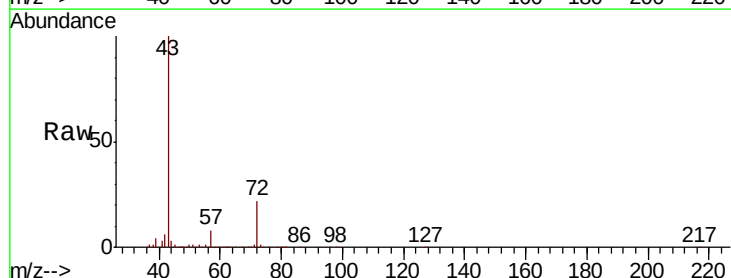
Manual Integrations
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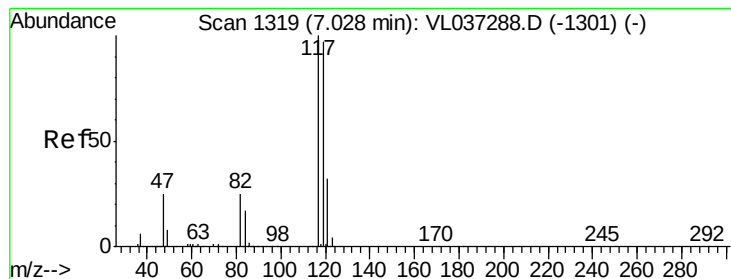
MMDadoda
 8/2/2021 8:57:26 AM



#34
 2-Butanone
 Concen: 8.875 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.5	27.7





#35

Carbon Tetrachloride

Concen: 9.292 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 2543046

Ion Ratio Lower Upper

117 100

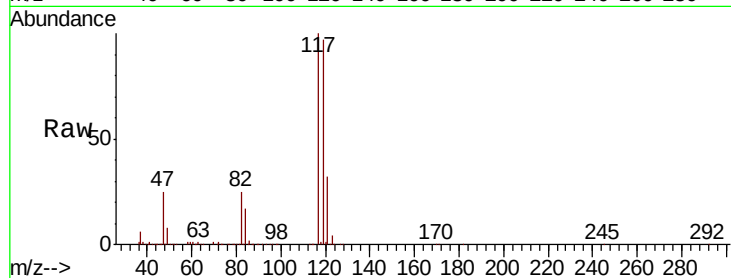
119 96.8 77.4 116.2

121 32.3 25.8 38.8

Manual Integrations
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MMDadoda

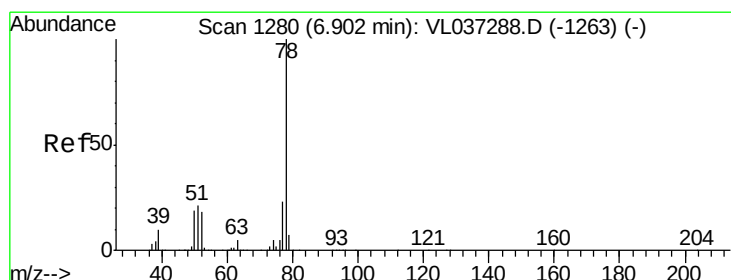
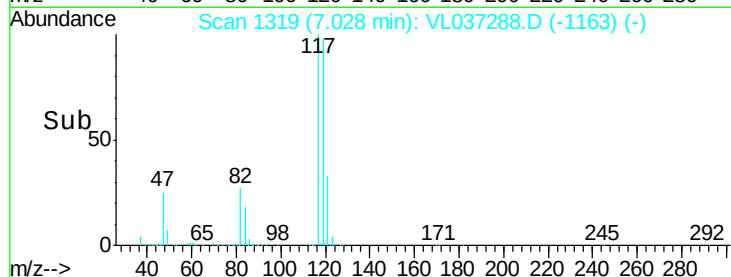
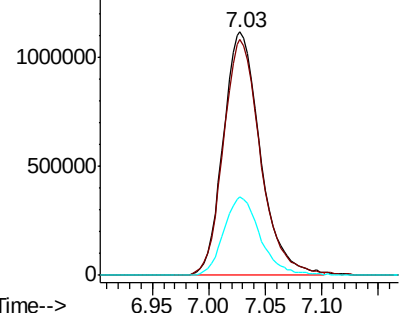
8/2/2021 8:57:26 AM



Abundance Ion 117.00 (116.70 to 117.70): V

1500000 Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.570 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

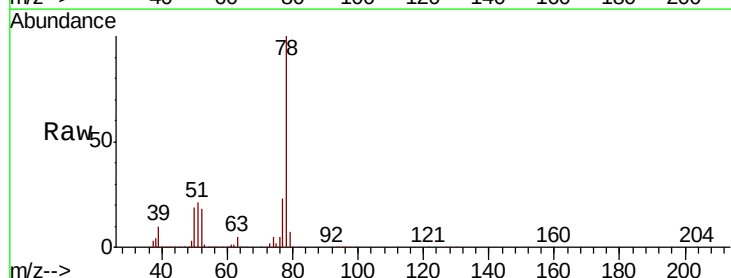
Tgt Ion: 78 Resp: 3196973

Ion Ratio Lower Upper

78 100

77 22.9 18.3 27.5

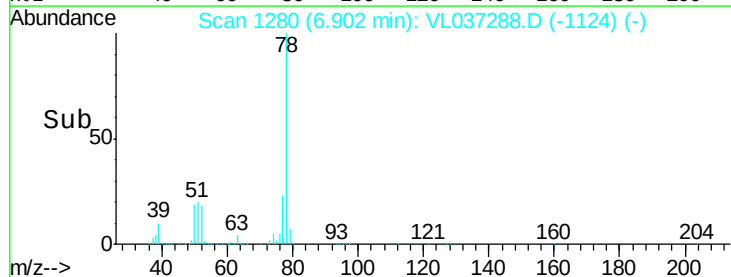
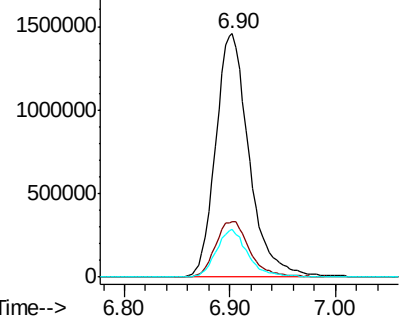
50 19.4 15.5 23.3

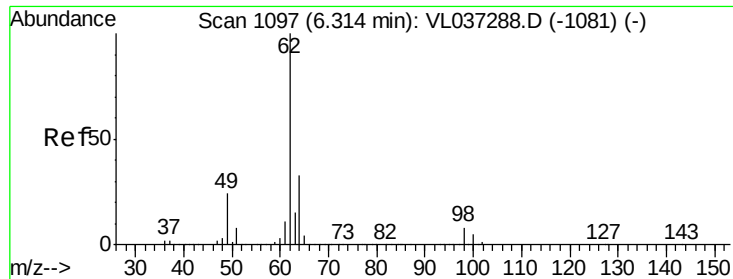


Abundance Ion 78.10 (77.80 to 78.80): VL0

2000000 Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





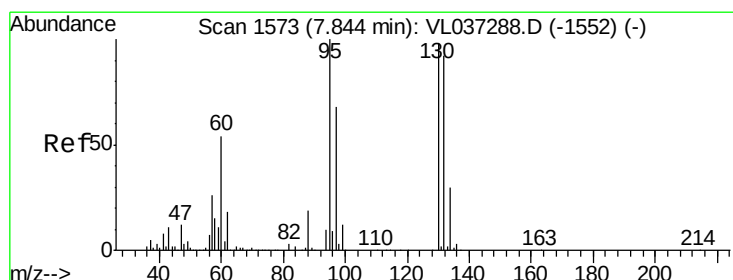
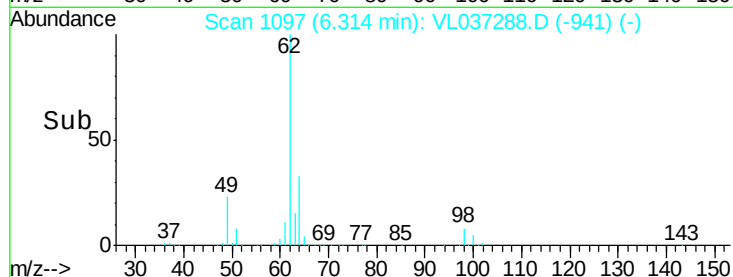
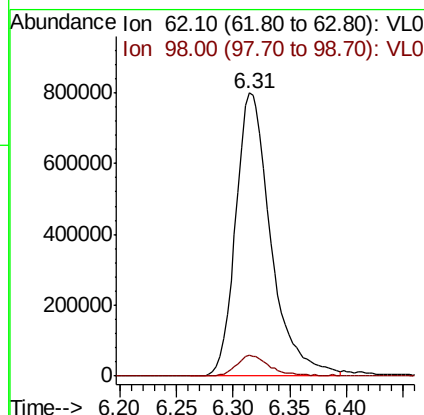
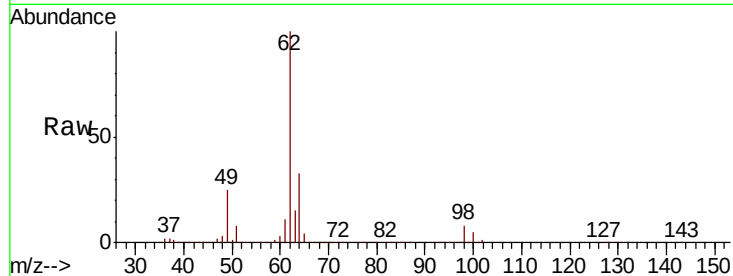
#37
1,2-Dichloroethane
Concen: 9.050 ppbv
RT: 6.31 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 62 Resp: 1731980
Ion Ratio Lower Upper
62 100
98 7.2 5.8 8.6

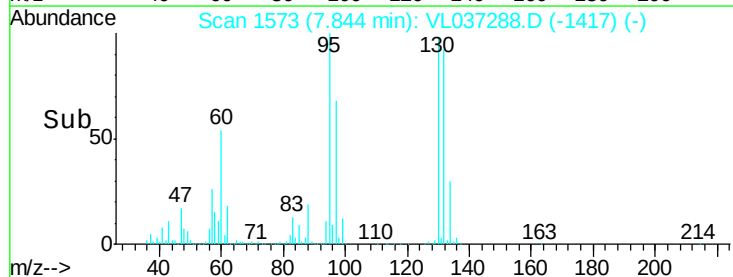
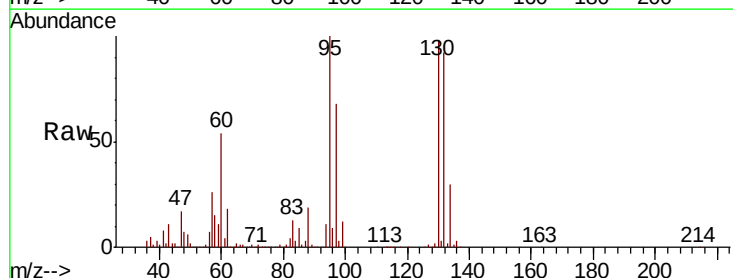
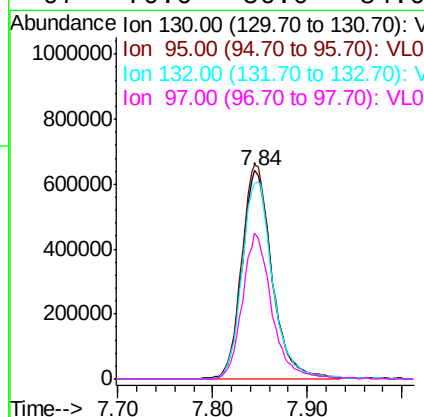
Manual Integrations
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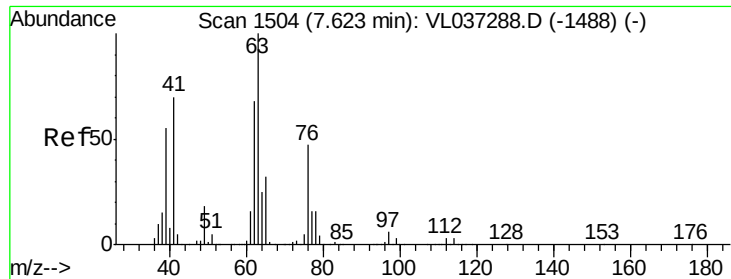
MMDadoda
8/2/2021 8:57:26 AM



#38
Trichloroethene
Concen: 8.854 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Tgt Ion:130 Resp: 1412321
Ion Ratio Lower Upper
130 100
95 102.5 82.0 123.0
132 93.8 75.0 112.6
97 70.0 56.0 84.0





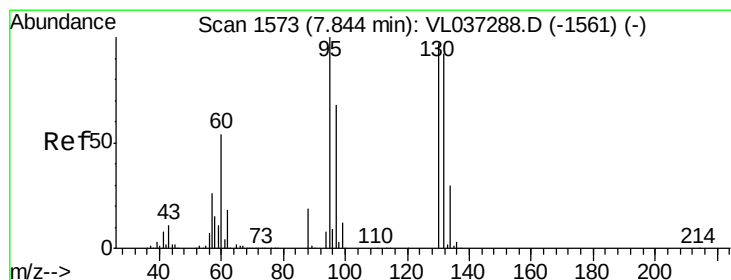
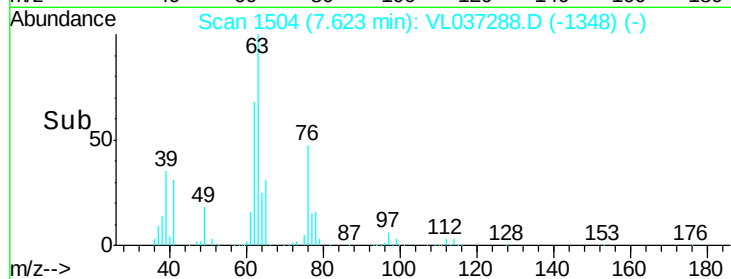
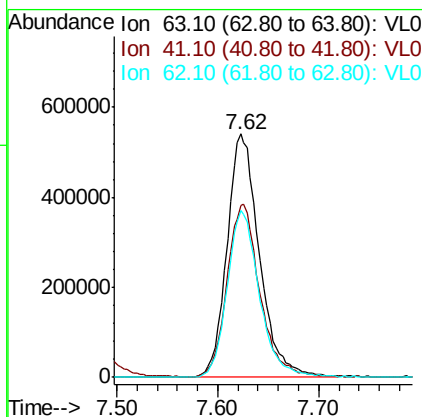
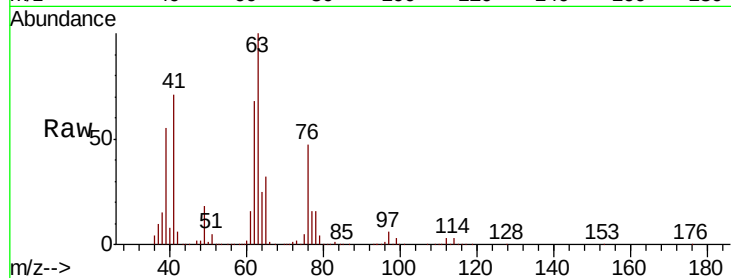
#39
 1,2-Dichloropropane
 Concen: 9.746 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 63 Resp: 1204871
 Ion Ratio Lower Upper
 63 100
 41 70.5 56.4 84.6
 62 68.3 54.6 82.0

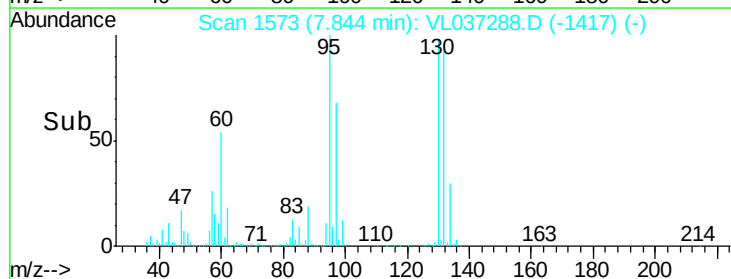
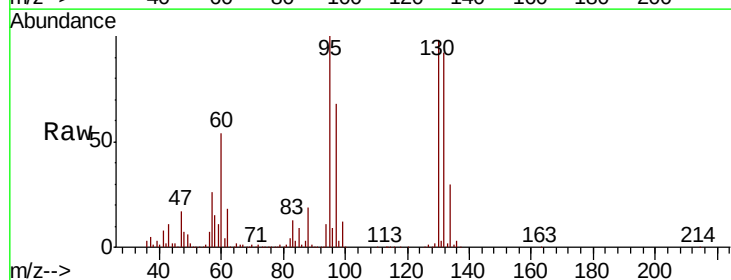
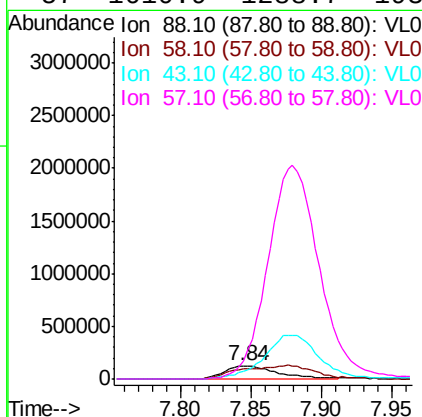
Manual Integrations
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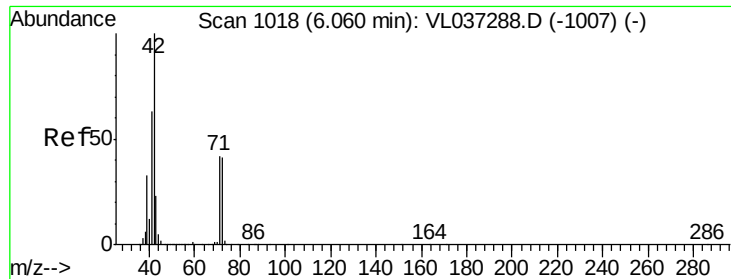
MMDadoda
 8/2/2021 8:57:26 AM



#40
 1,4-Dioxane
 Concen: 9.577 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Tgt Ion: 88 Resp: 322514
 Ion Ratio Lower Upper
 88 100
 58 149.0 119.2 178.8
 43 352.7 282.2 423.2
 57 1610.9 1288.7 1933.1





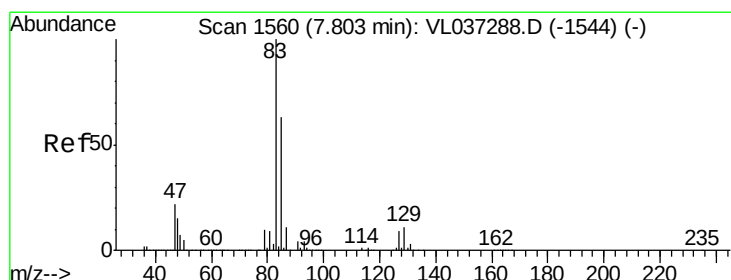
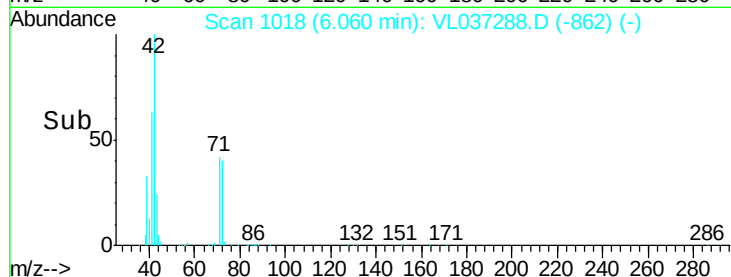
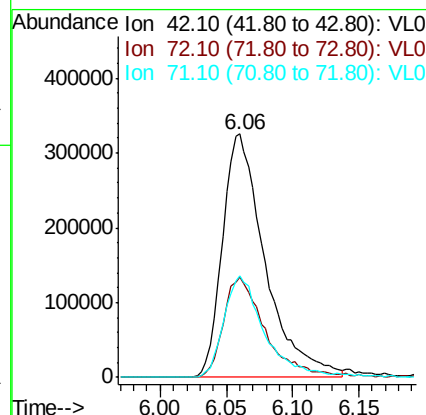
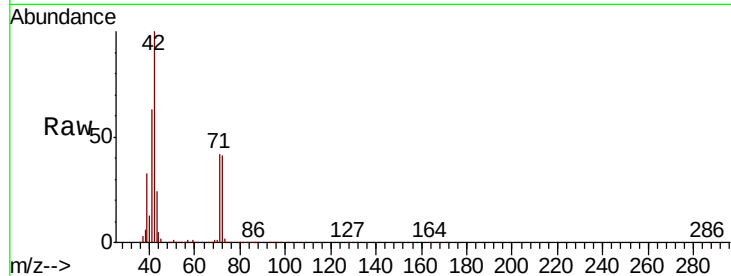
#41
Tetrahydrofuran
Concen: 9.669 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.0	49.6
71	40.9	32.7	49.1

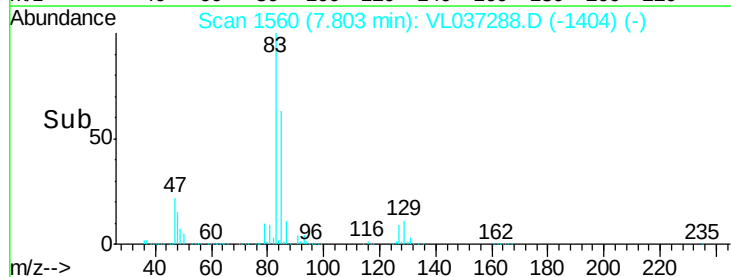
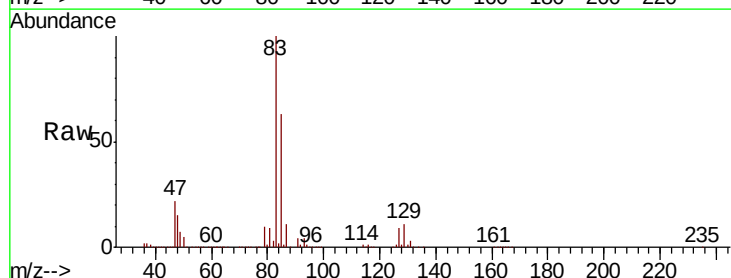
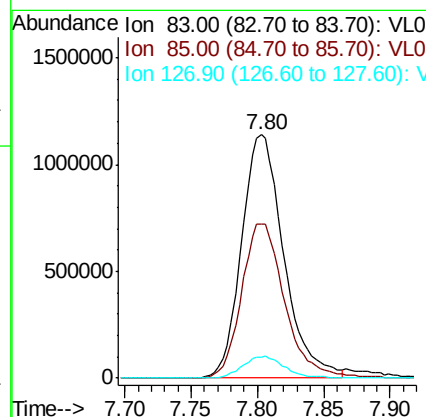
Manual Integrations
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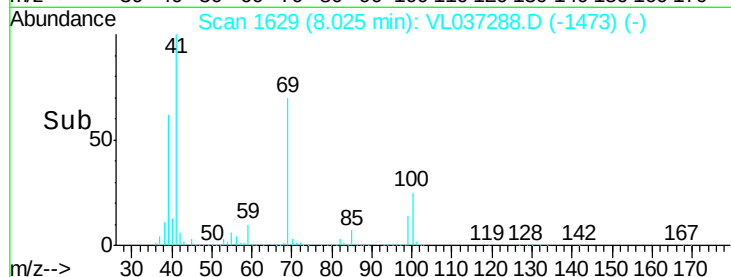
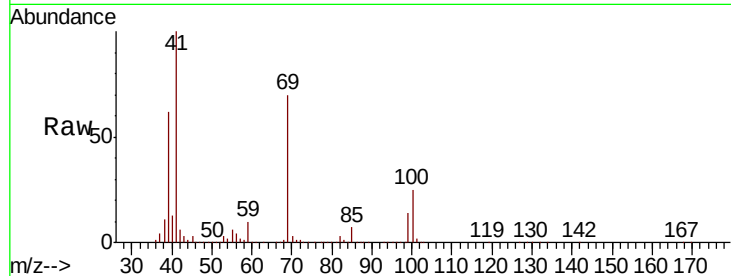
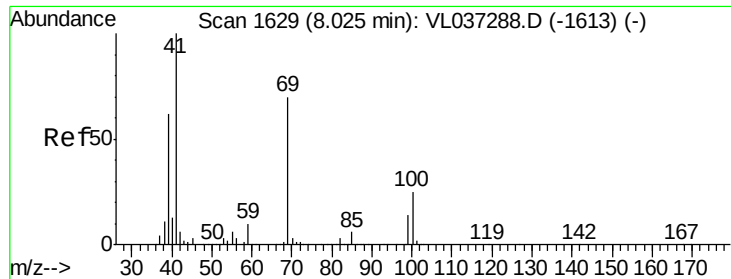
MMDadoda
8/2/2021 8:57:26 AM



#42
Bromodichloromethane
Concen: 9.572 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	8.8	7.0	10.6





#43

Methyl Methacrylate

Concen: 10.008 ppbv

RT: 8.02 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Tot Ion	Ion	Ratio	Lower	Upper
69.10	69	100		
41.10	41	145.6	116.5	174.7
100.10	100	35.9	28.7	43.1

Instrument :

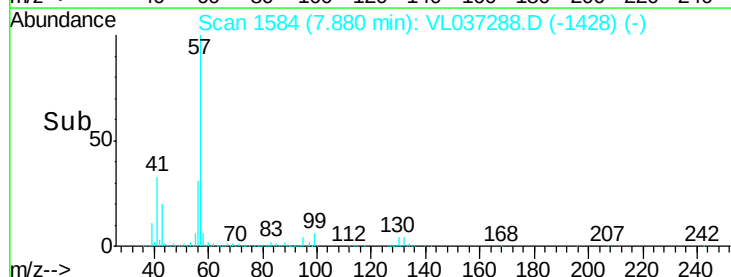
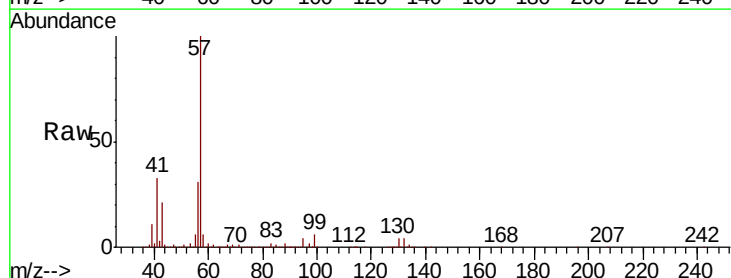
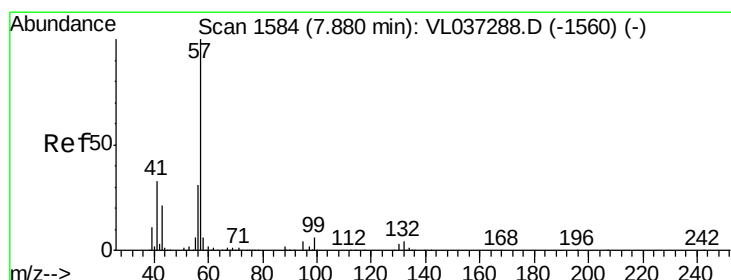
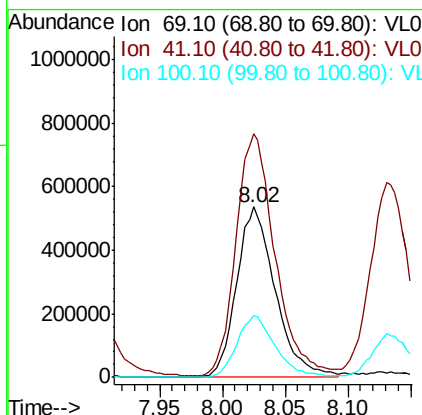
MSVOA_L

ClientSampleId :

VSTDICCC010

Manual Integrations
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MMDadoda
8/2/2021 8:57:26 AM



#44

2,2,4-Trimethylpentane

Concen: 9.195 ppbv

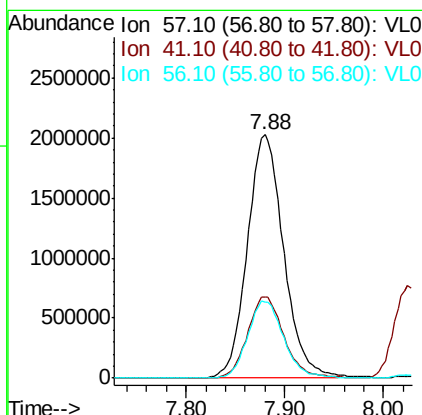
RT: 7.88 min Scan# 1584

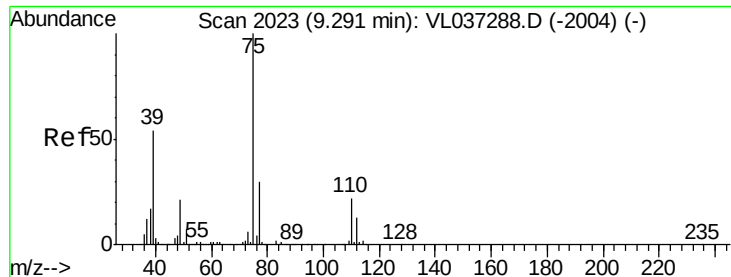
Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Tgt Ion	Ion	Ratio	Lower	Upper
57.10	57	100		
41.10	41	33.3	26.6	40.0
56.10	56	31.6	25.3	37.9





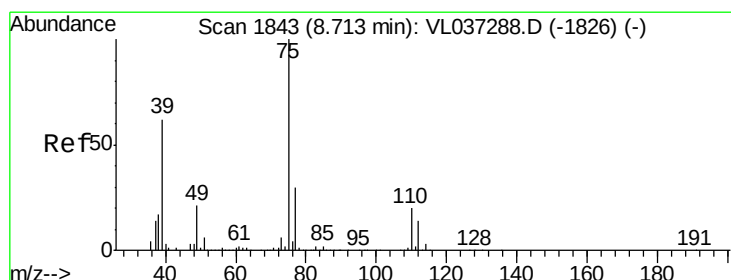
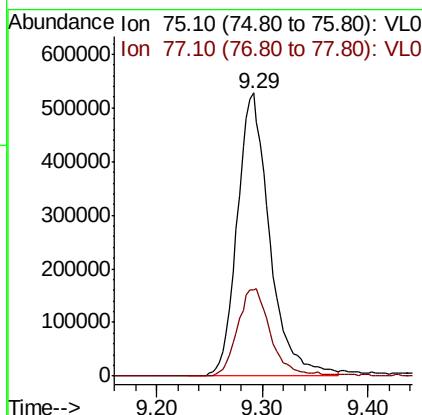
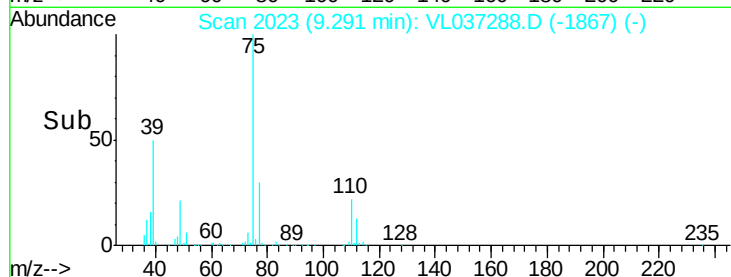
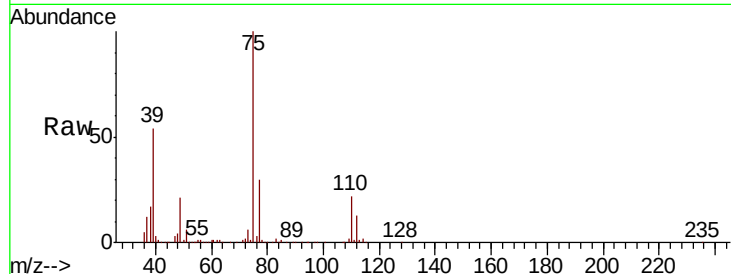
#45
t-1,3-Dichloropropene
Concen: 11.228 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 75 Resp: 1122351
Ion Ratio Lower Upper
75 100
77 30.4 24.3 36.5

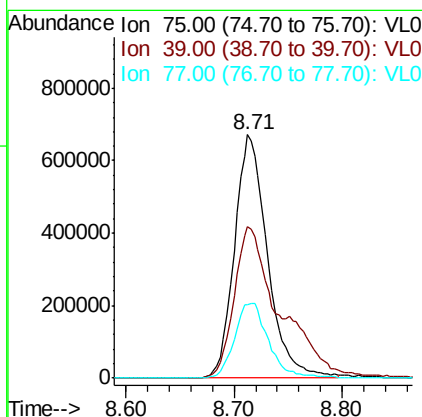
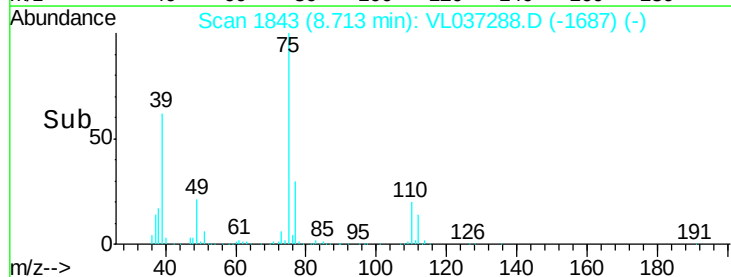
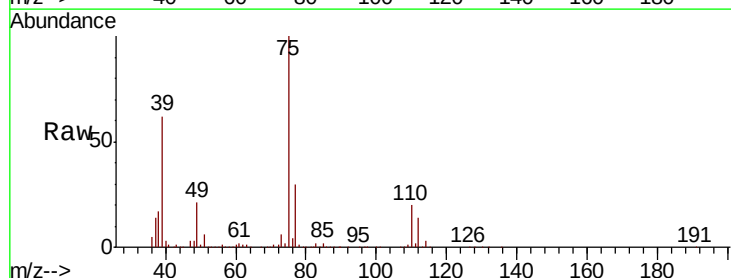
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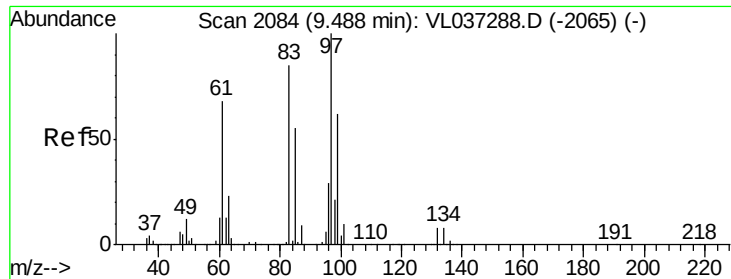
MMDadoda
8/2/2021 8:57:26 AM



#46
cis-1,3-Dichloropropene
Concen: 10.411 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Tgt Ion: 75 Resp: 1428313
Ion Ratio Lower Upper
75 100
39 62.2 49.8 74.6
77 30.4 24.3 36.5





#47
 1,1,2-Trichloroethane
 Concen: 9.569 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

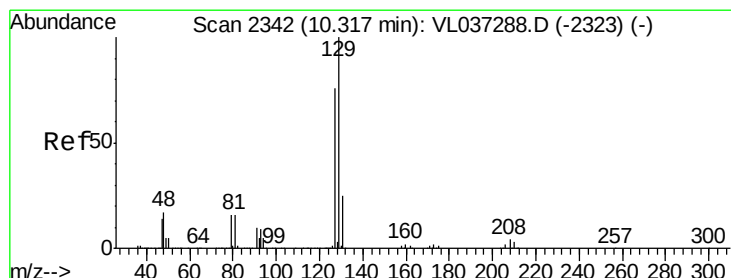
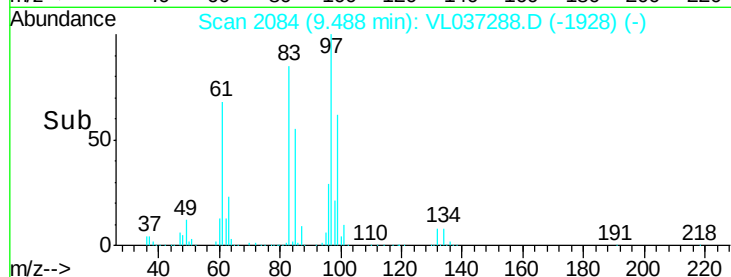
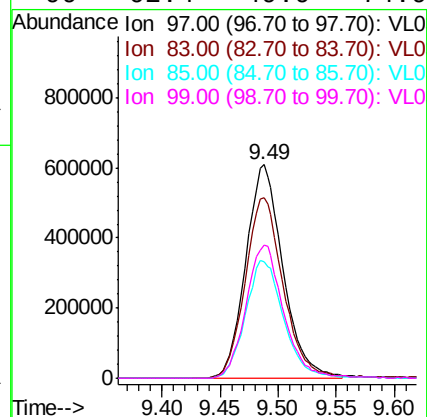
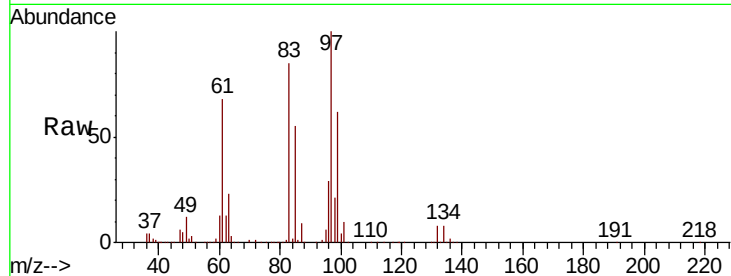
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 97 Resp: 1356358

Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.7	101.5
85	54.7	43.8	65.6
99	62.4	49.9	74.9

Manual Integrations
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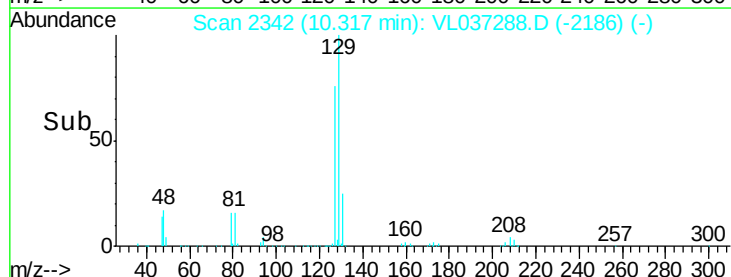
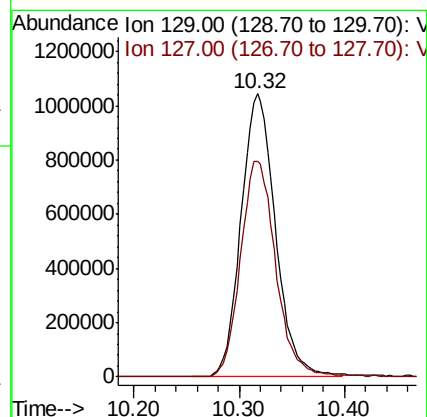
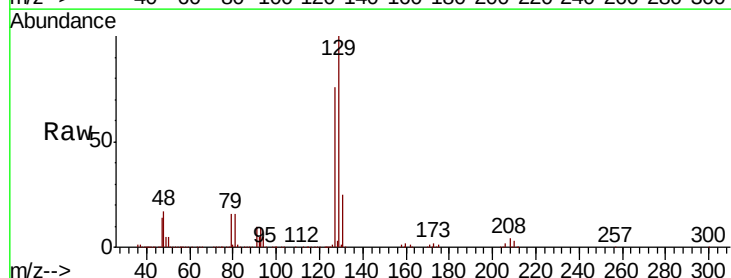
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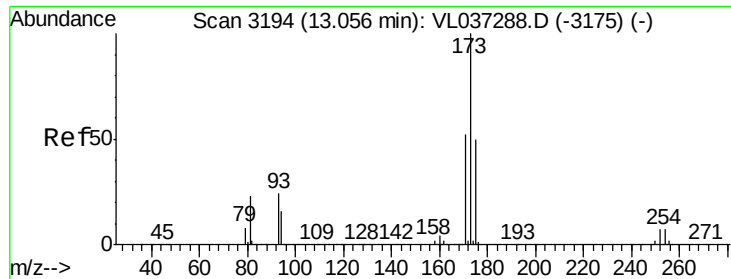


#48
 Dibromochloromethane
 Concen: 10.608 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Tgt Ion: 129 Resp: 2362687

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.5	118.3





#49

Bromoform

Concen: 11.827 ppbv

RT: 13.06 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:173 Resp: 1988985

Ion Ratio Lower Upper

173 100

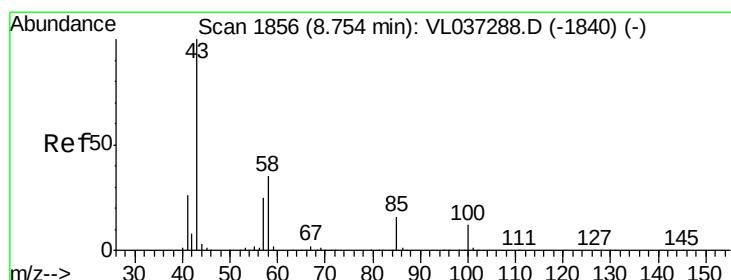
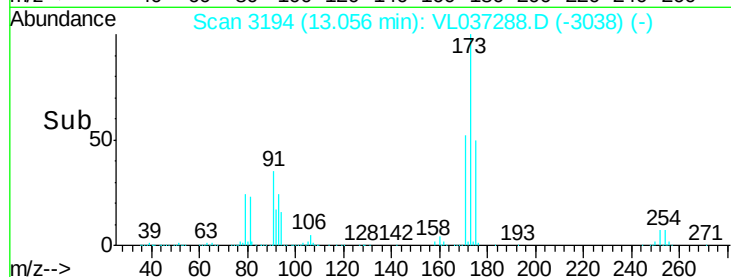
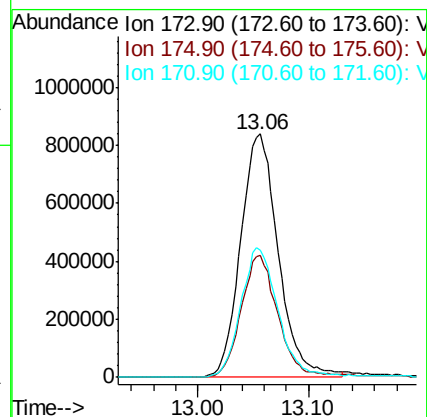
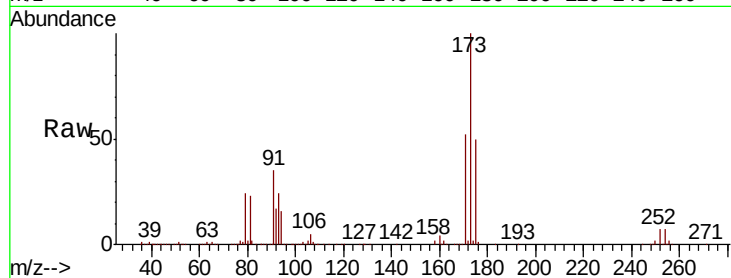
175 50.0 40.4 60.6

171 53.7 43.3 64.9

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#50

4-Methyl-2-Pentanone

Concen: 9.530 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.00 min

Lab File: VL037288.D

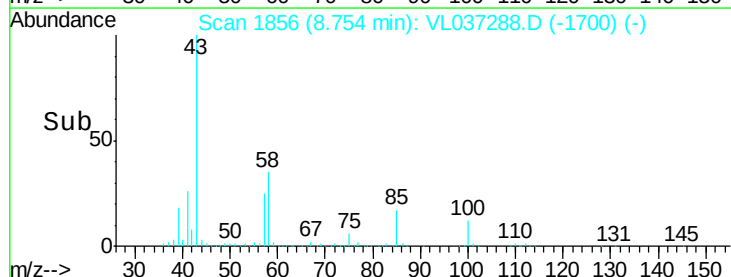
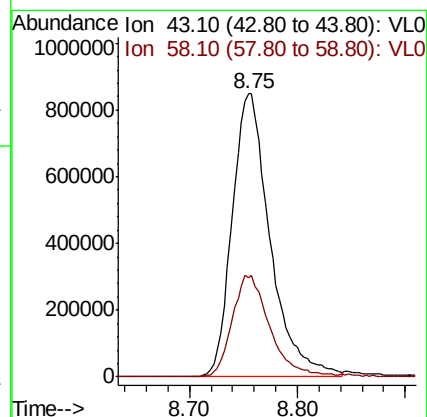
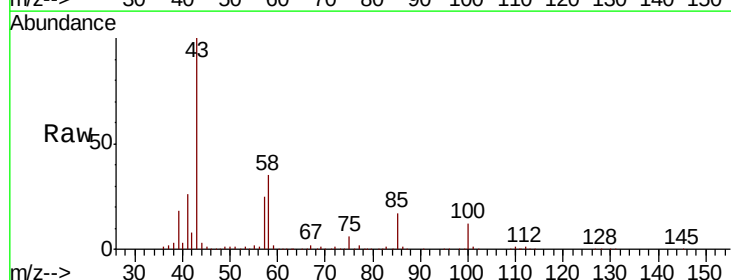
Acq: 30 Jul 2021 17:02

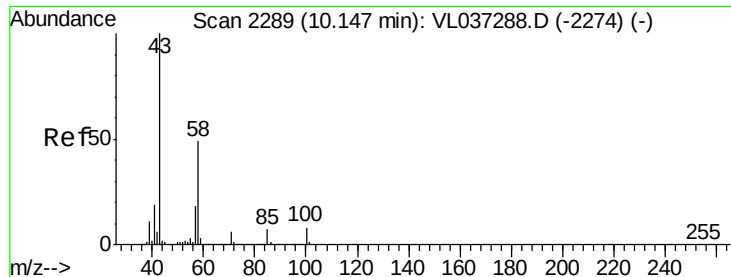
Tgt Ion: 43 Resp: 2076479

Ion Ratio Lower Upper

43 100

58 36.3 29.2 43.8





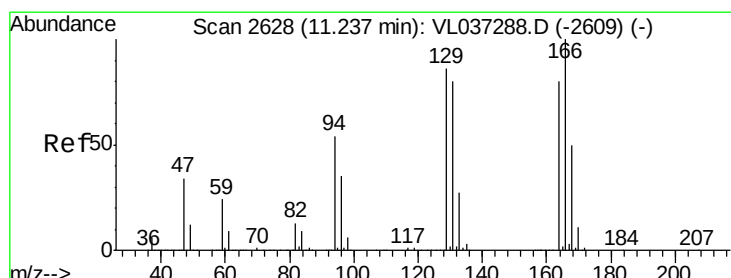
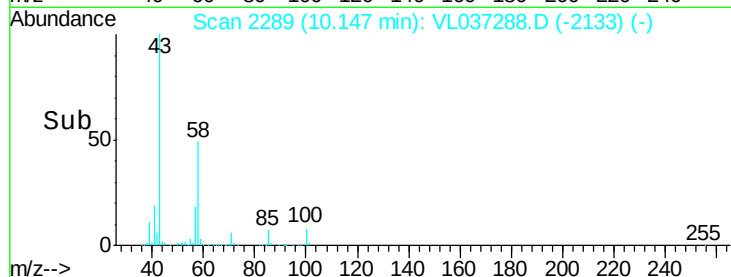
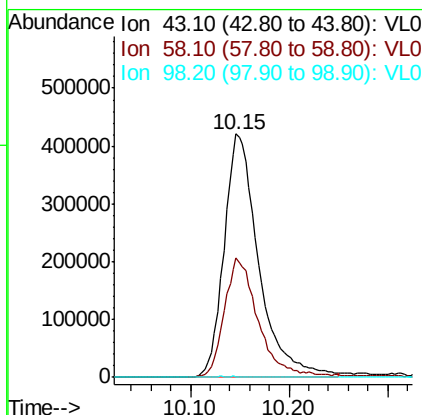
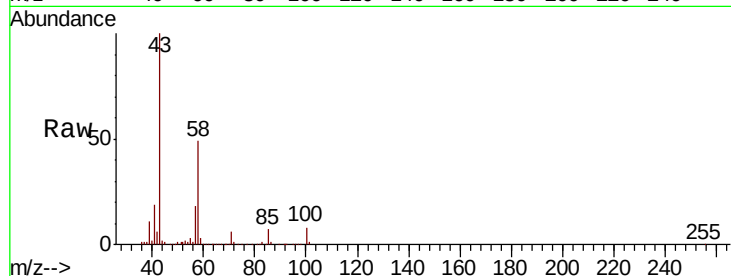
#51
2-Hexanone
Concen: 9.748 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1032385
Ion Ratio Lower Upper
43 100
58 48.4 39.0 58.4
98 0.5 0.4 0.6

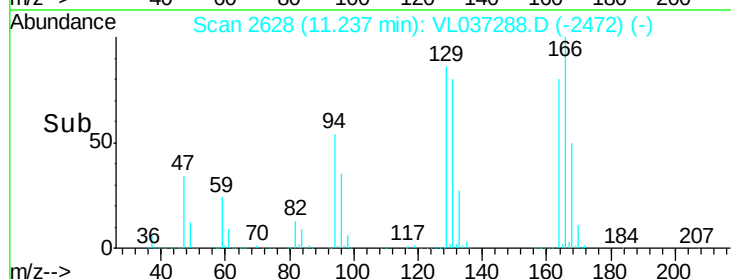
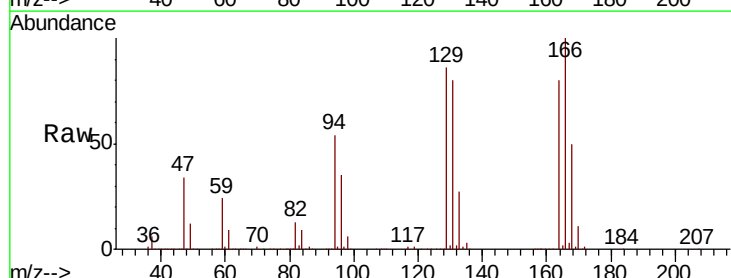
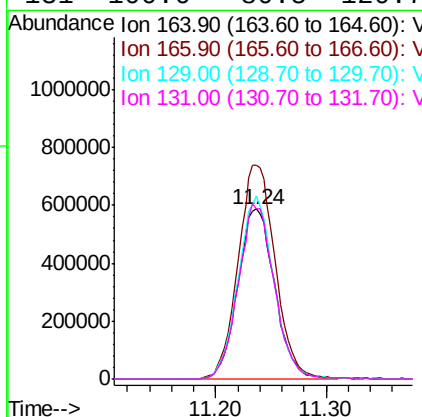
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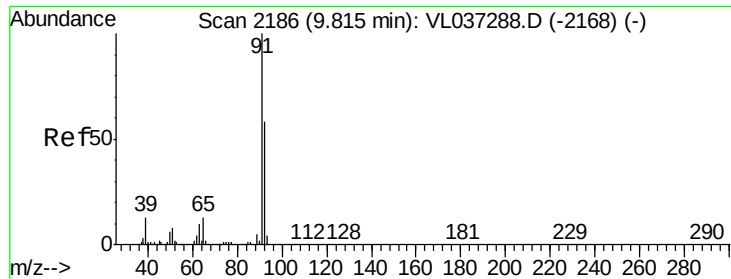
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#52
Tetrachloroethene
Concen: 8.747 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Tgt Ion: 164 Resp: 1360243
Ion Ratio Lower Upper
164 100
166 125.5 100.4 150.6
129 107.8 86.2 129.4
131 100.6 80.5 120.7





#53

Toluene

Concen: 9.670 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3868629

Ion Ratio Lower Upper

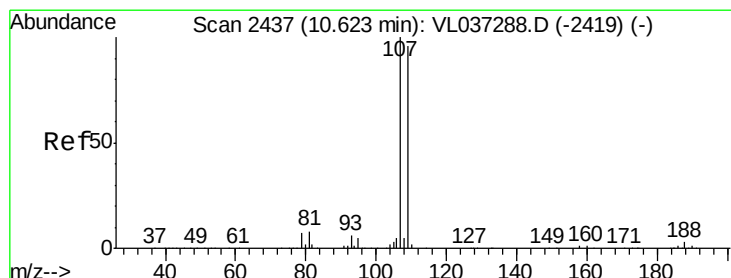
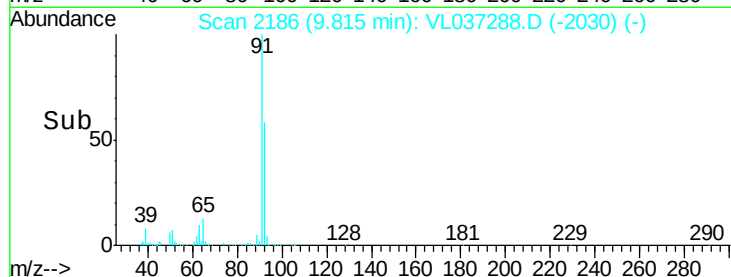
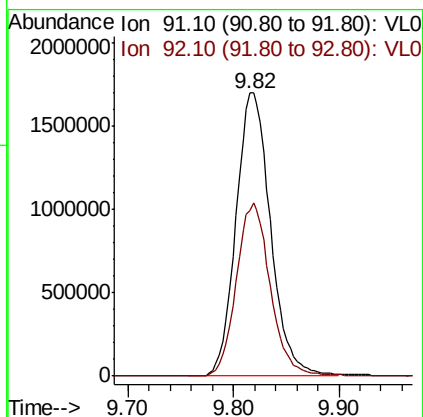
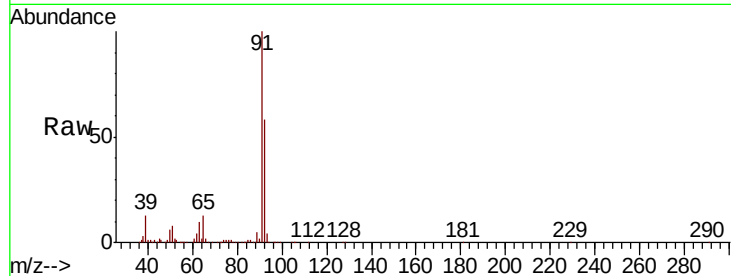
91 100

92 60.2 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 9.822 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL037288.D

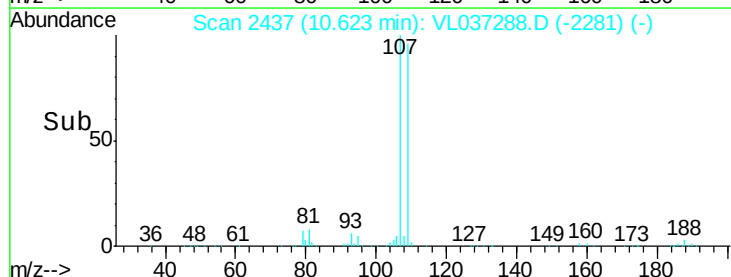
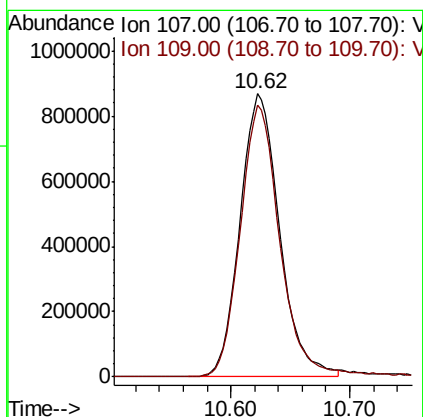
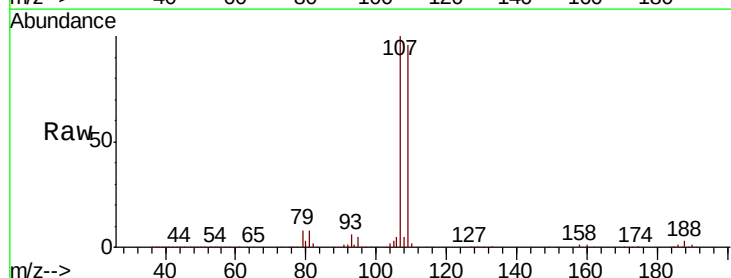
Acq: 30 Jul 2021 17:02

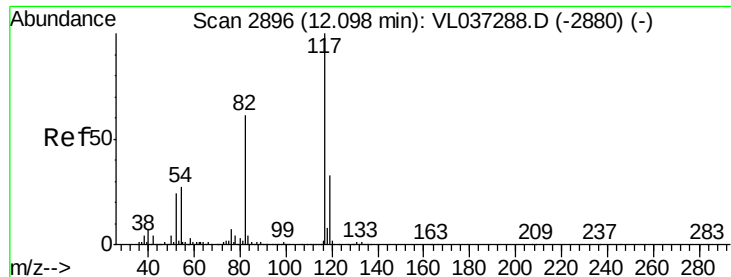
Tgt Ion: 107 Resp: 1997108

Ion Ratio Lower Upper

107 100

109 96.2 77.0 115.4





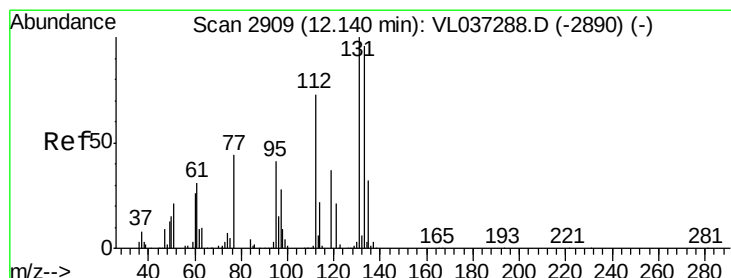
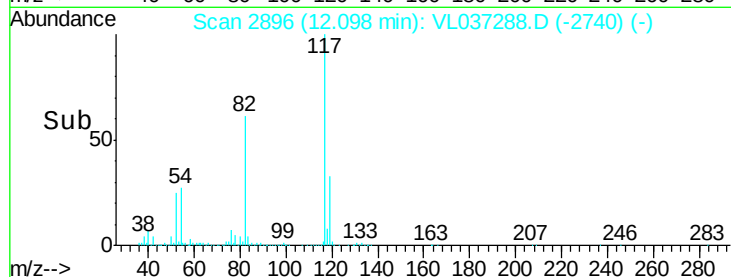
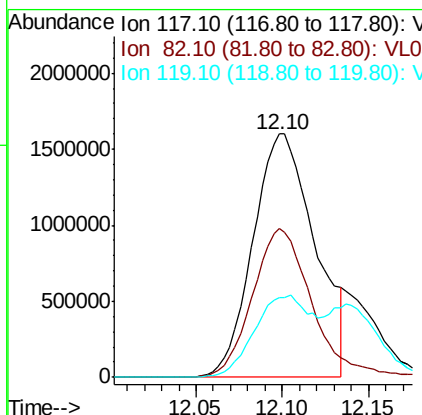
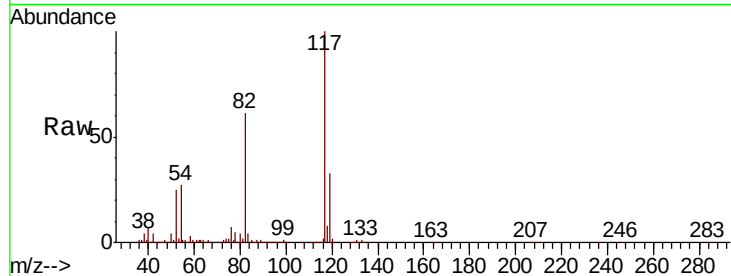
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 3994208
Ion Ratio Lower Upper
117 100
82 59.0 47.2 70.8
119 57.3 45.8 68.8

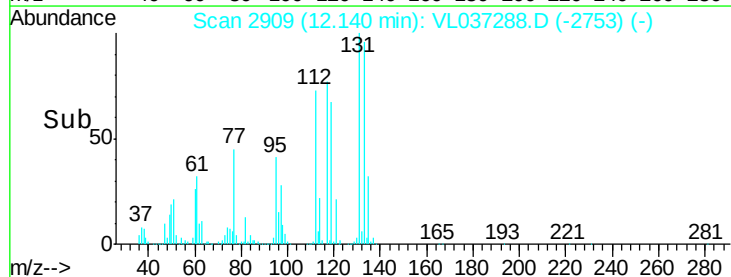
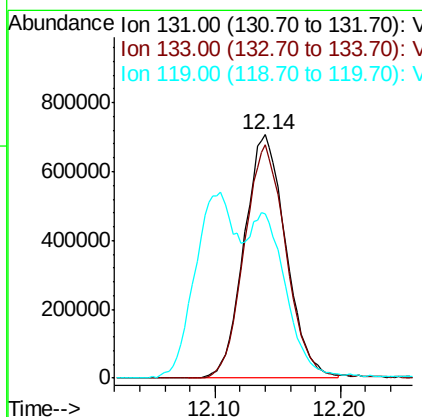
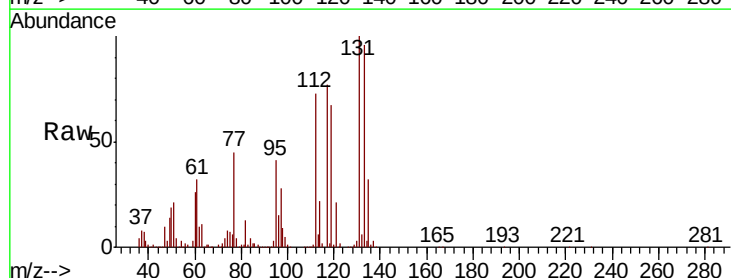
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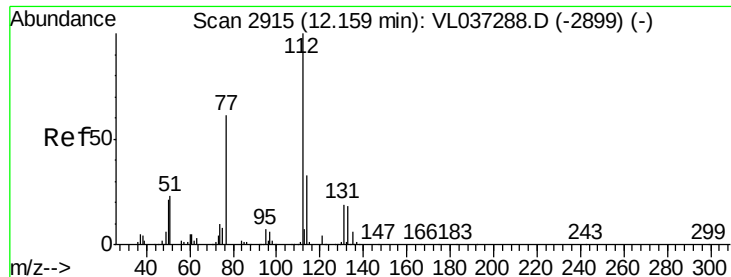
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.425 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Tgt Ion:131 Resp: 1636499
Ion Ratio Lower Upper
131 100
133 96.8 77.4 116.2
119 63.7 51.0 76.4





#57

Chlorobenzene

Concen: 9.208 ppbv

RT: 12.16 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 112 Resp: 2983568

Ion Ratio Lower Upper

112 100

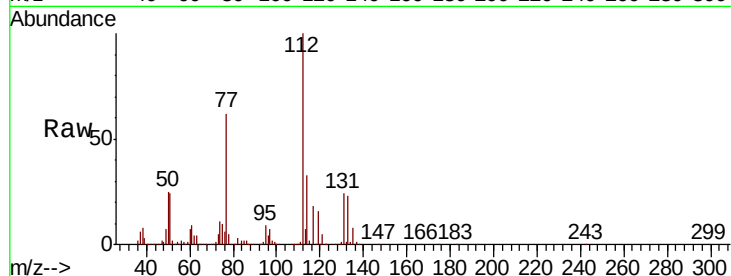
77 61.3 49.0 73.6

114 32.6 29.3 35.9

Manual Integrations
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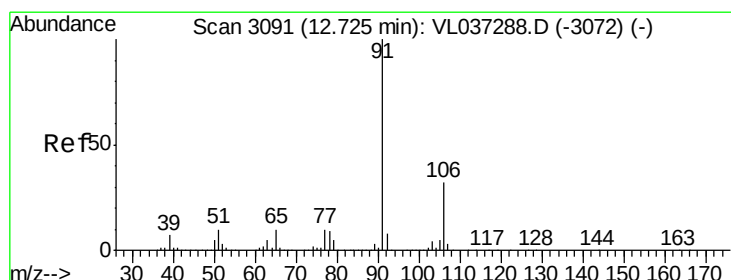
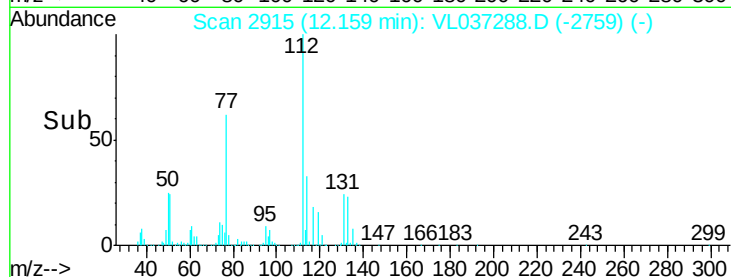
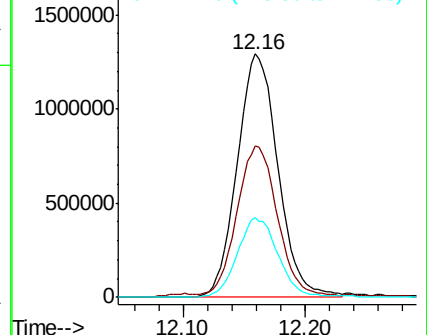
8/2/2021 8:57:26 AM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.303 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. 0.00 min

Lab File: VL037288.D

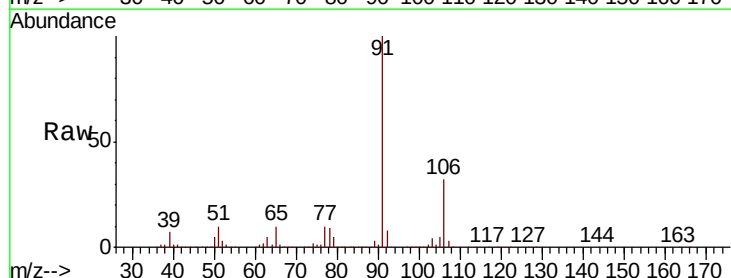
Acq: 30 Jul 2021 17:02

Tgt Ion: 91 Resp: 5094099

Ion Ratio Lower Upper

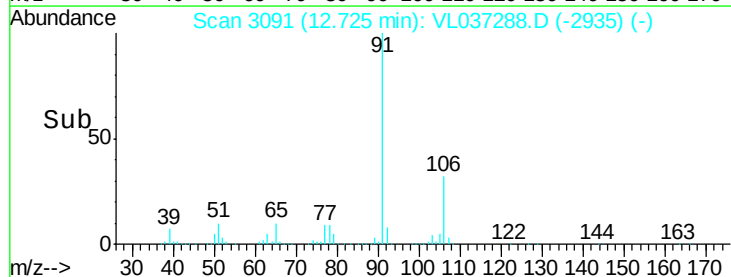
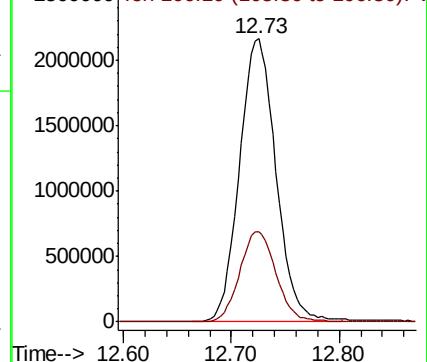
91 100

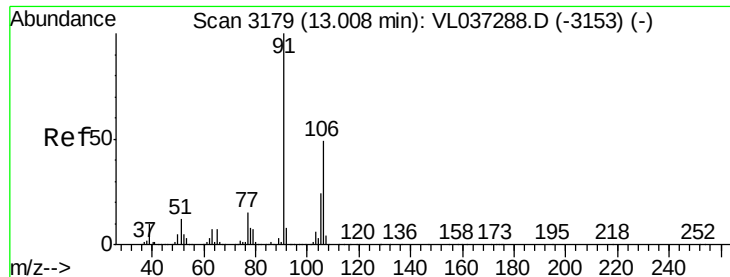
106 31.7 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





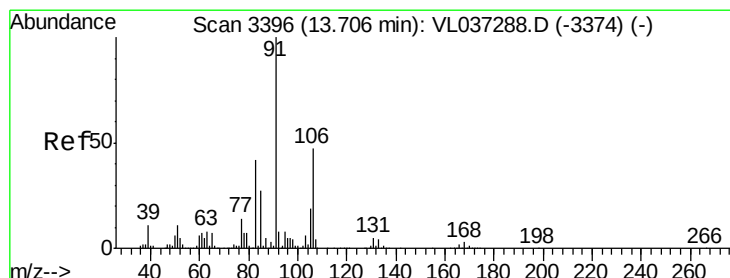
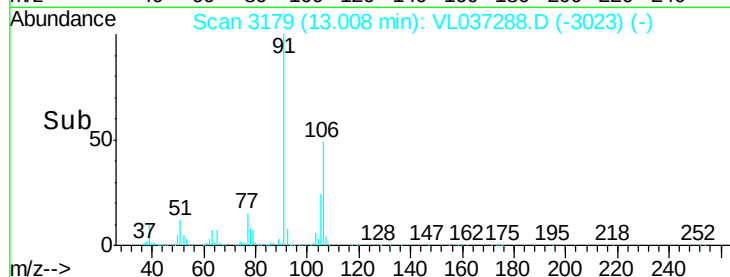
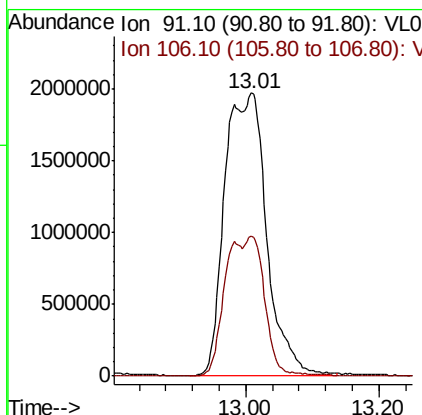
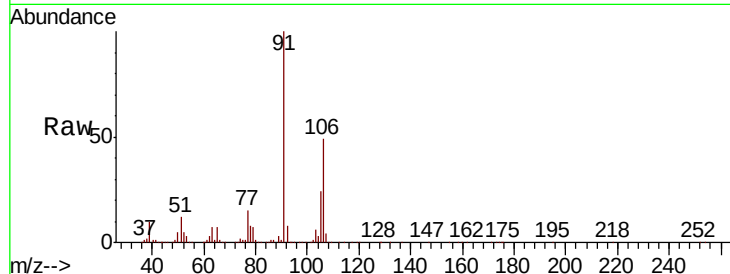
#59
m/p-Xylene
Concen: 18.522 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 8595715
Ion Ratio Lower Upper
91 100
106 46.3 37.3 55.9

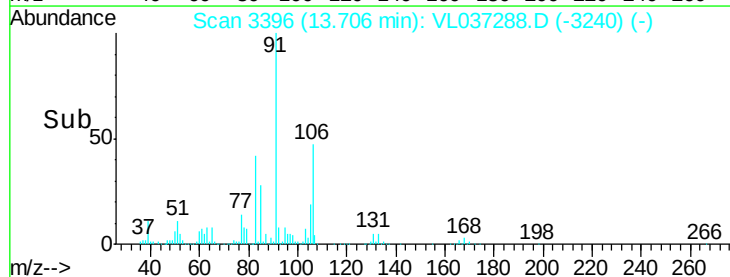
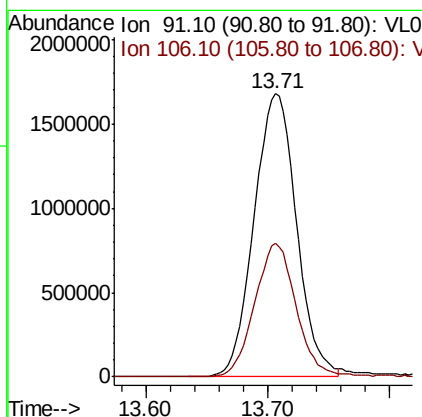
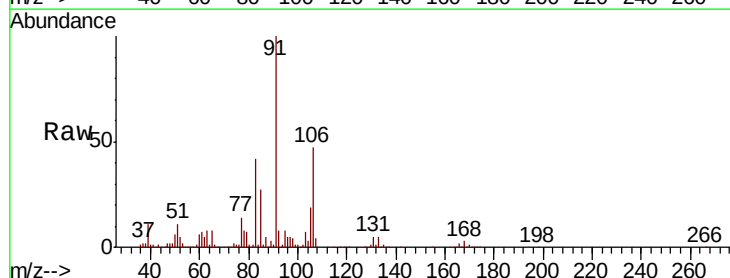
Manual Integrations
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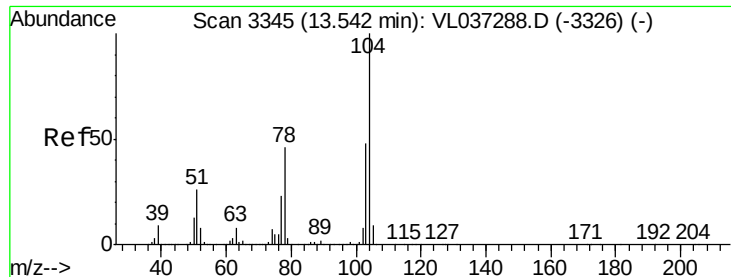
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#60
o-Xylene
Concen: 9.150 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VL037288.D
Acq: 30 Jul 2021 17:02

Tgt Ion: 91 Resp: 4048974
Ion Ratio Lower Upper
91 100
106 46.7 23.4 70.0





#61

Stvrene

Concen: 10.330 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:104 Resp: 2354507

Ion Ratio Lower Upper

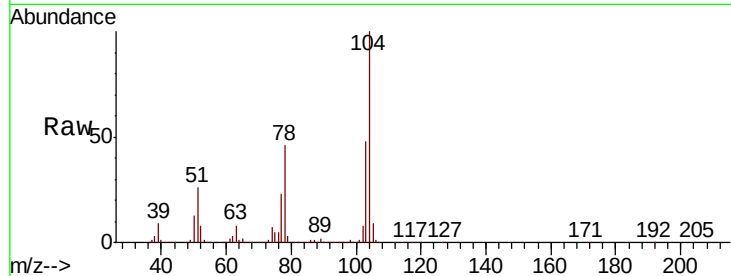
104 100

78 48.8 39.0 58.6

103 48.3 38.6 58.0

Manual Integrations
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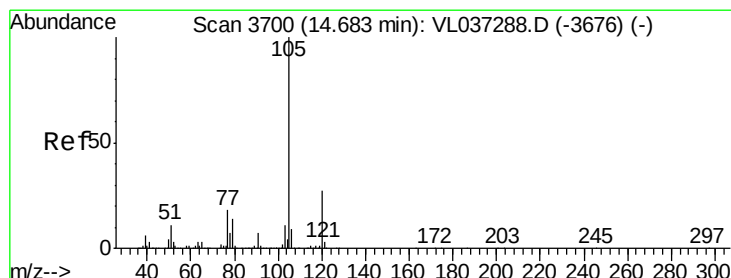
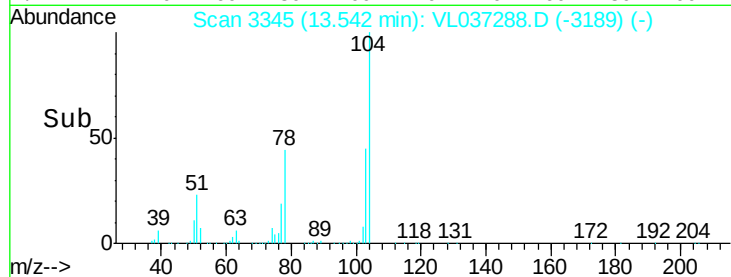
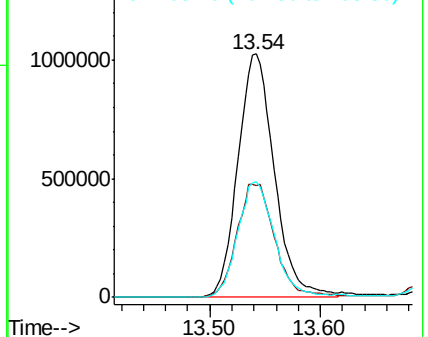
MMDadoda
8/2/2021 8:57:26 AM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.054 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. 0.00 min

Lab File: VL037288.D

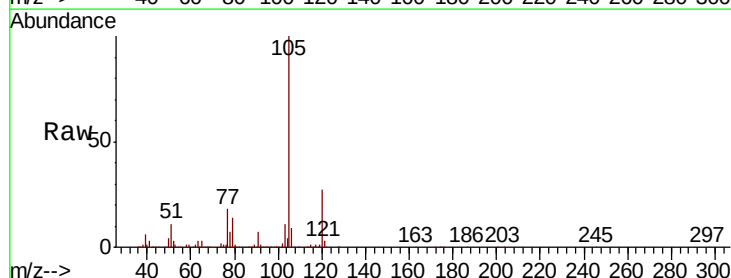
Acq: 30 Jul 2021 17:02

Tgt Ion:105 Resp: 5710046

Ion Ratio Lower Upper

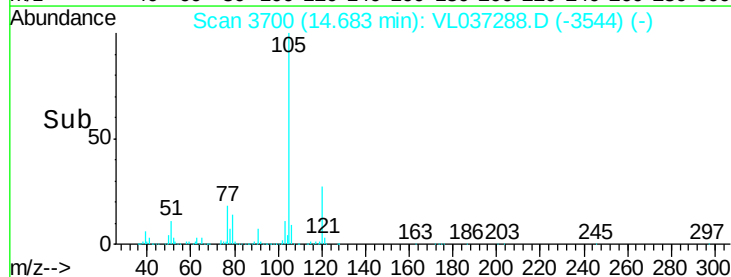
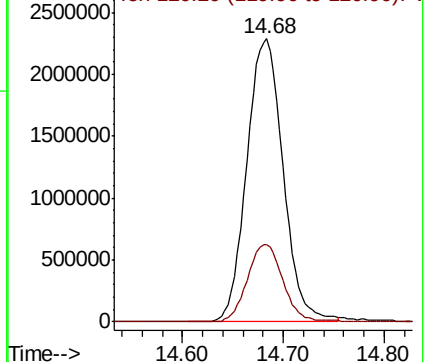
105 100

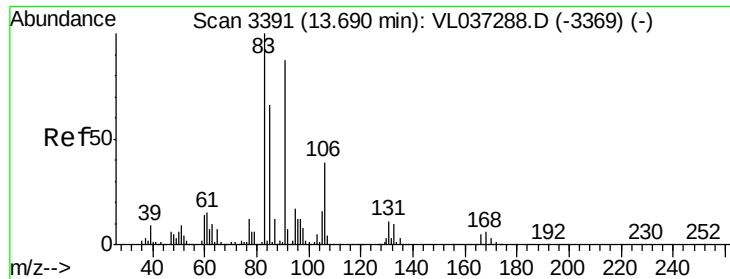
120 27.2 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





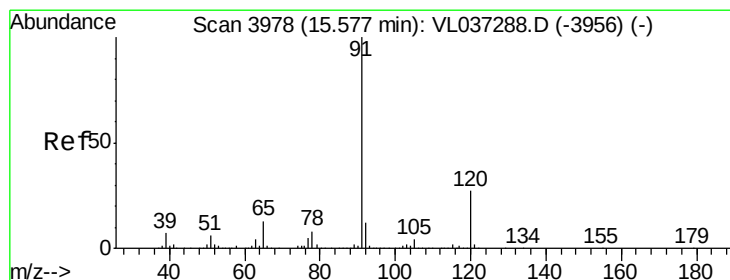
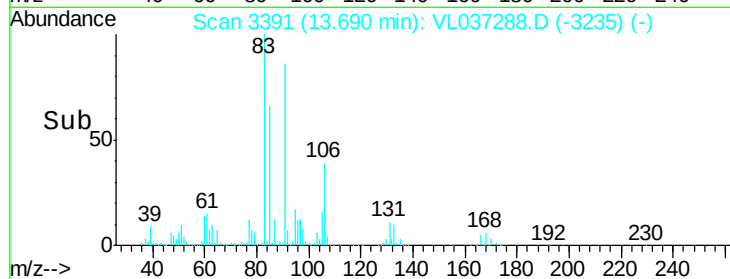
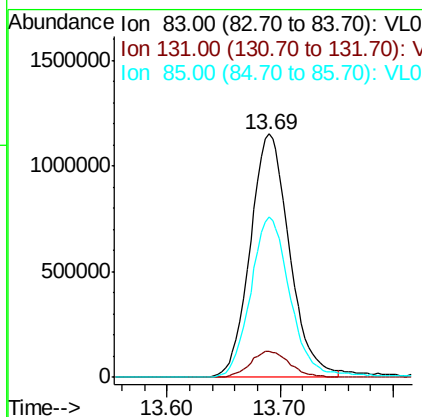
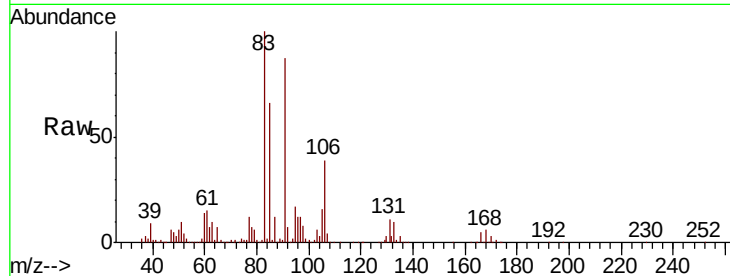
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.345 ppbv
 RT: 13.69 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	83	Resp	2775109
Ion Ratio	100	Lower	Upper
83	100		
131	11.0	5.5	16.5
85	67.2	33.6	100.8

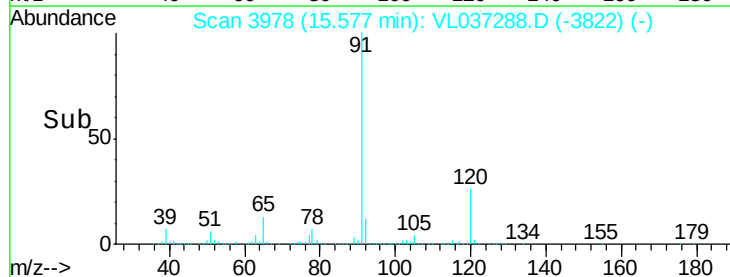
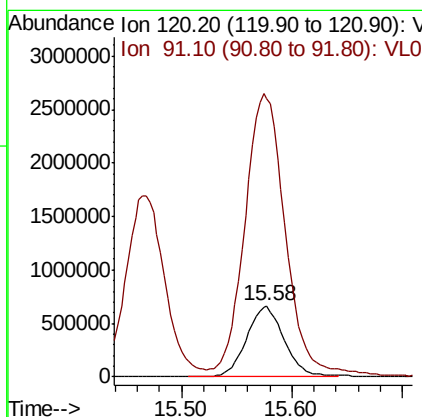
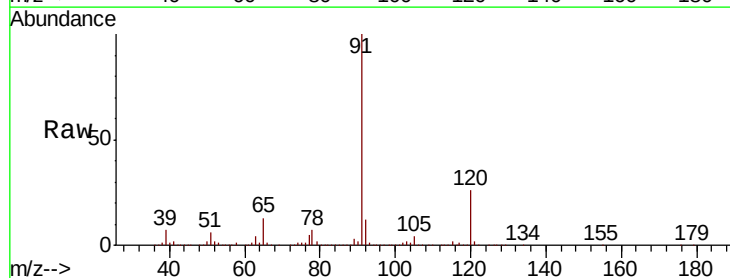
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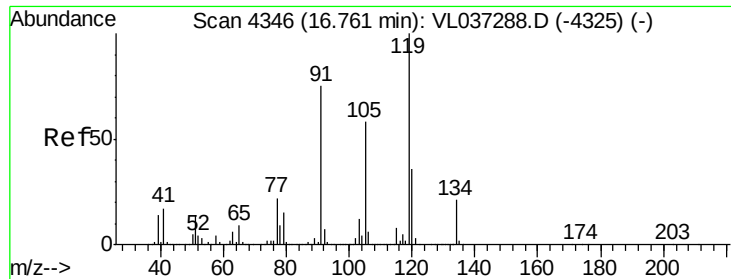
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#64
 n-propylbenzene
 Concen: 9.853 ppbv
 RT: 15.58 min Scan# 3978
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Tgt Ion	120	Resp	1559990
Ion Ratio	100	Lower	Upper
120	100		
91	433.7	347.0	520.4





#65

tert-Butylbenzene

Concen: 9.360 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 119 Resp: 5270359

Ion Ratio Lower Upper

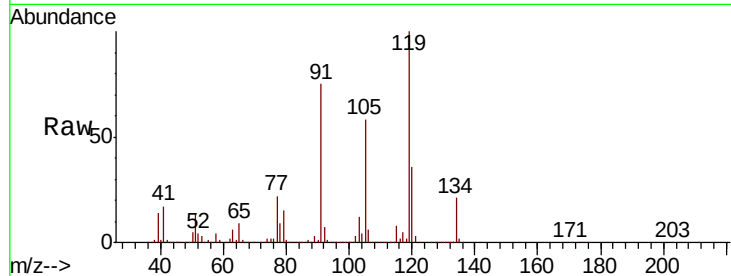
119 100

91 75.6 60.5 90.7

134 20.3 16.2 24.4

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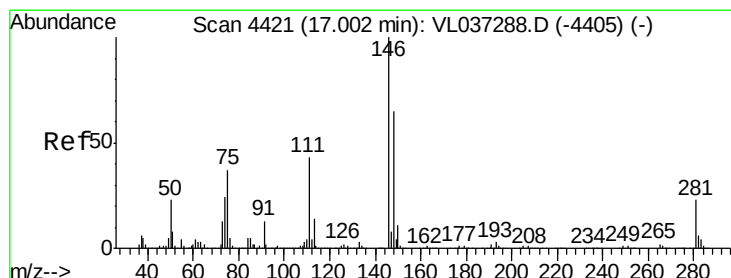
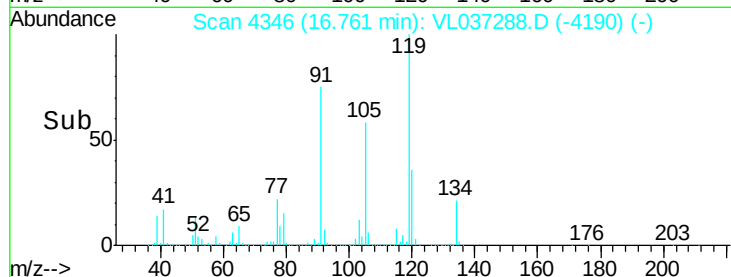
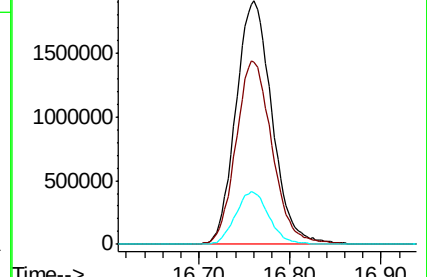
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.794 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

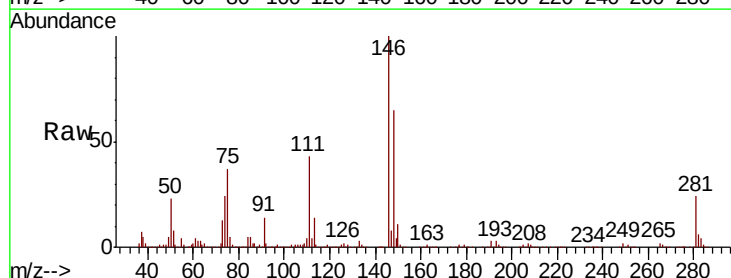
Tgt Ion: 91 Resp: 332255

Ion Ratio Lower Upper

91 100

126 19.4 15.4 23.0

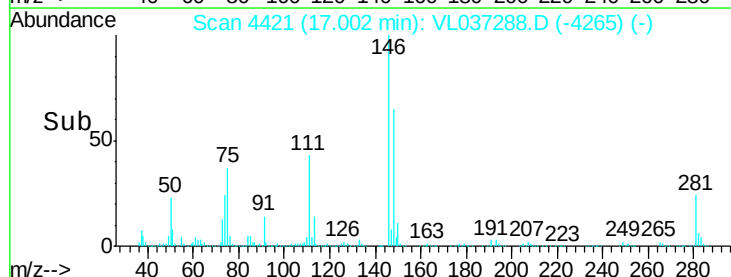
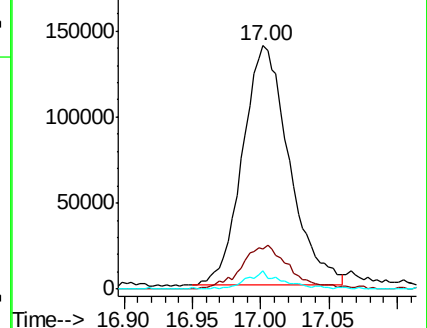
128 6.2 5.0 7.4

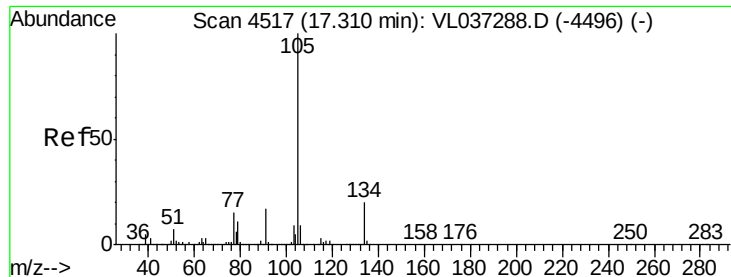


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.364 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 105 Resp: 7035646

Ion Ratio Lower Upper

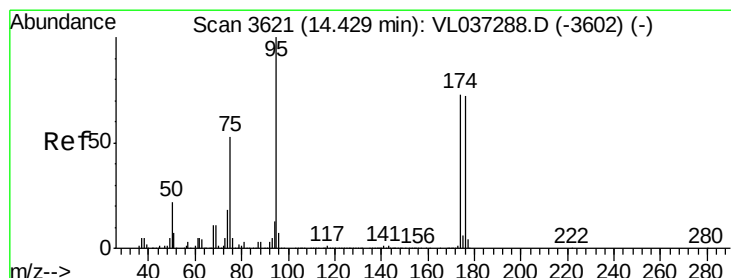
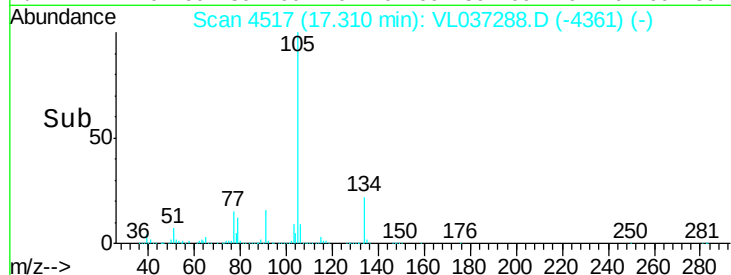
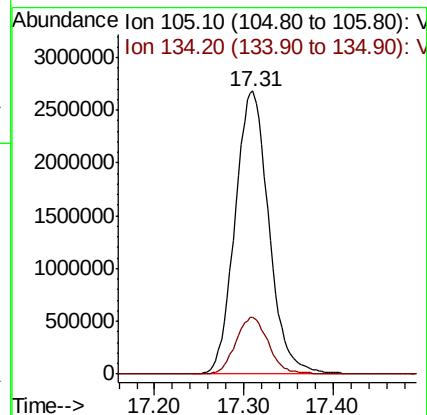
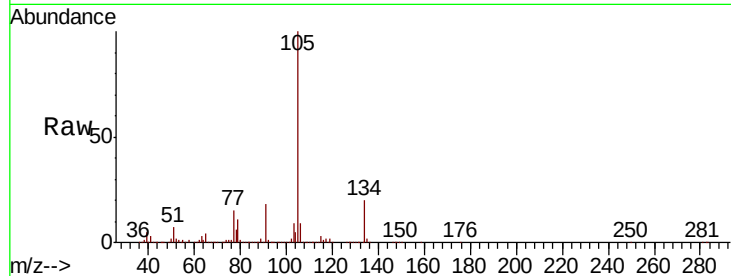
105 100

134 19.7 15.8 23.6

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.775 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

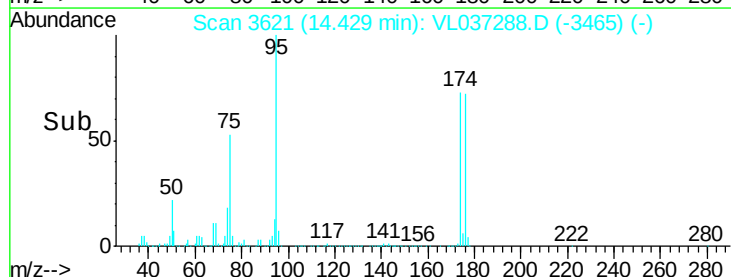
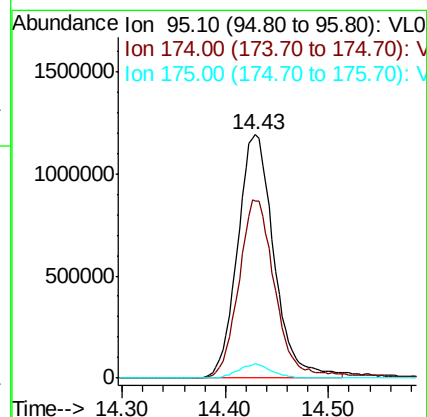
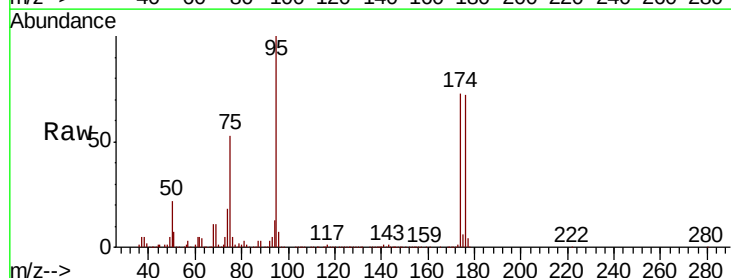
Tgt Ion: 95 Resp: 2927922

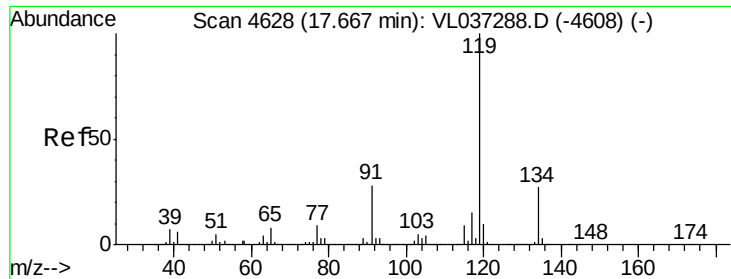
Ion Ratio Lower Upper

95 100

174 74.7 59.8 89.6

175 5.5 4.5 6.7





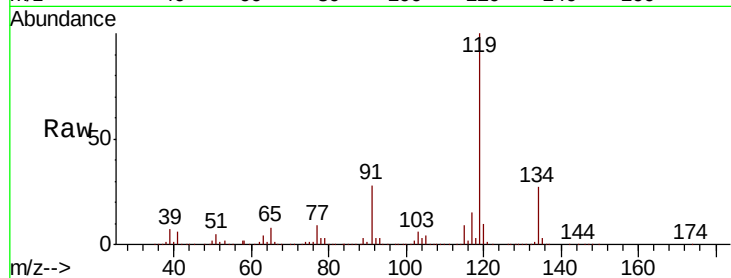
#69
 p-Isopropyltoluene
 Concen: 9.632 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

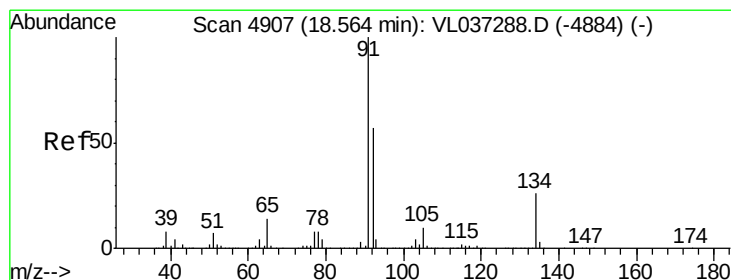
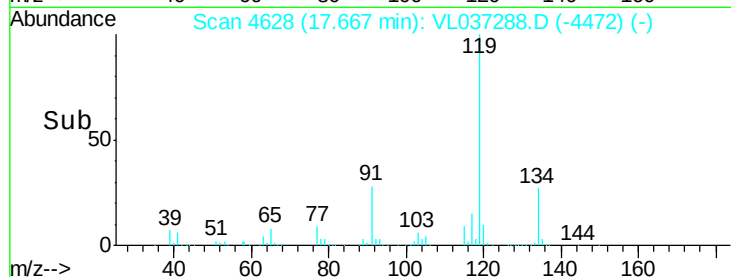
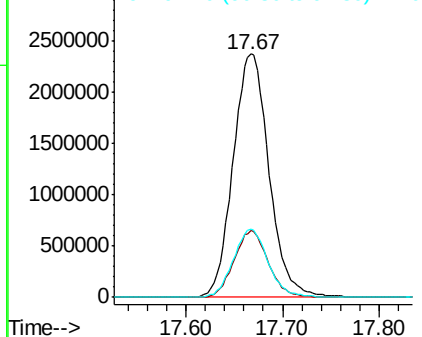
Tot Ion: 119 Resp: 6116572
 Ion Ratio Lower Upper
 119 100
 134 26.4 21.1 31.7
 91 27.2 21.8 32.6

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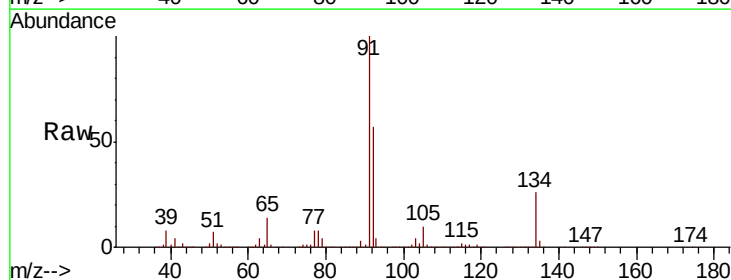


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

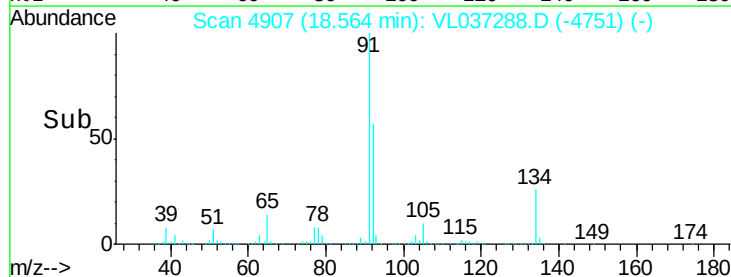
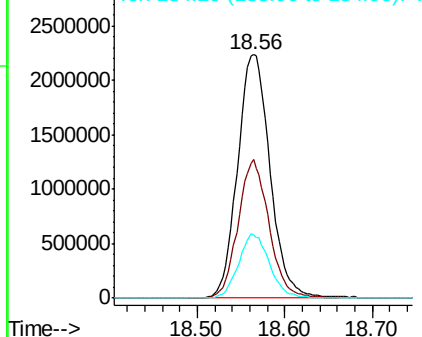


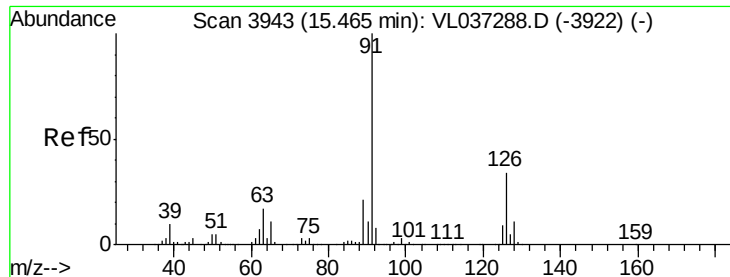
#70
 n-Butylbenzene
 Concen: 9.786 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Tgt Ion: 91 Resp: 5751996
 Ion Ratio Lower Upper
 91 100
 92 54.5 43.6 65.4
 134 25.4 20.3 30.5



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: 9.406 ppbv

RT: 15.46 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 4154129

Ion Ratio Lower Upper

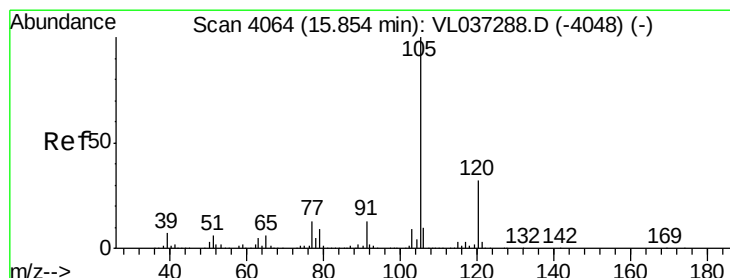
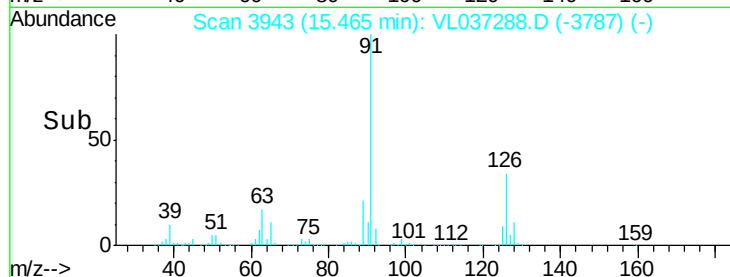
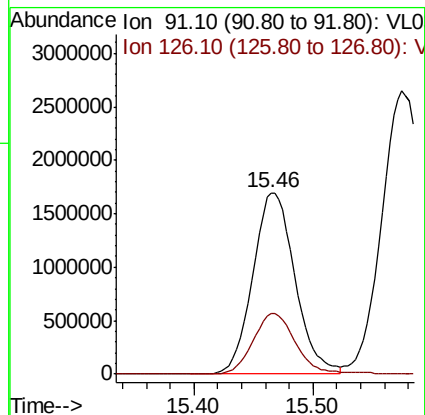
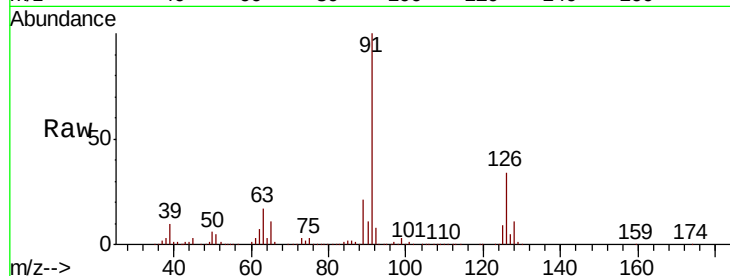
91 100

126 34.5 13.8 55.2

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#72

4-Ethyltoluene

Concen: 10.035 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Tgt Ion: 105 Resp: 5108855

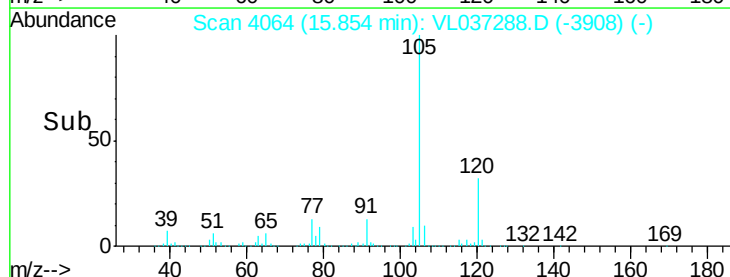
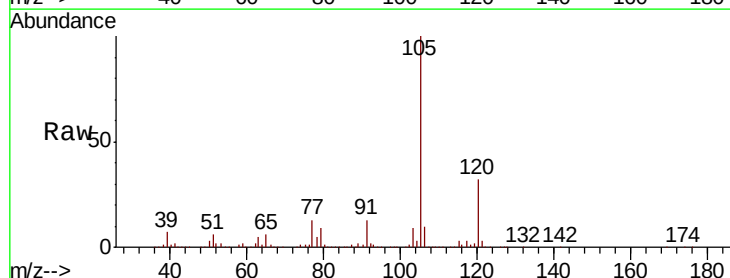
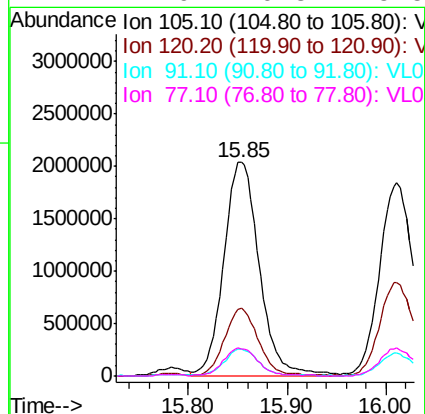
Ion Ratio Lower Upper

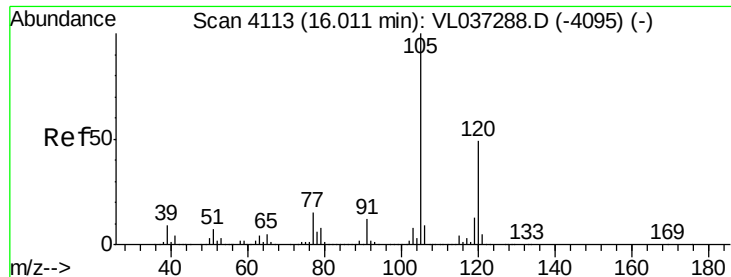
105 100

120 30.4 24.3 36.5

91 12.0 9.6 14.4

77 12.9 10.3 15.5





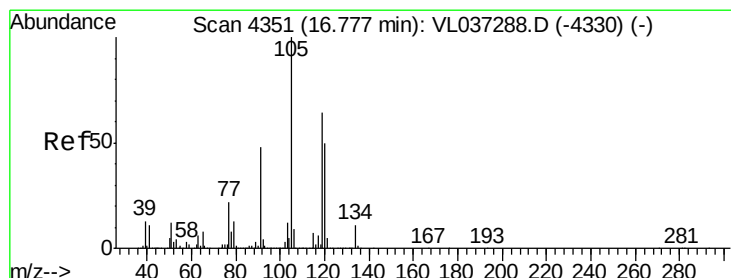
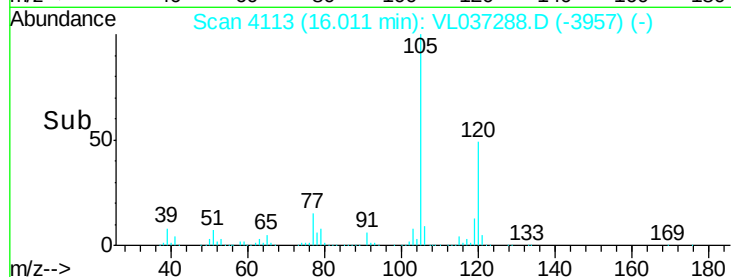
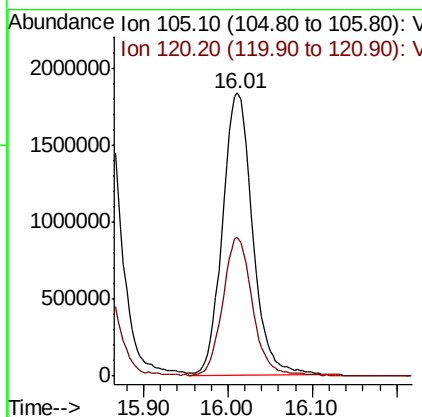
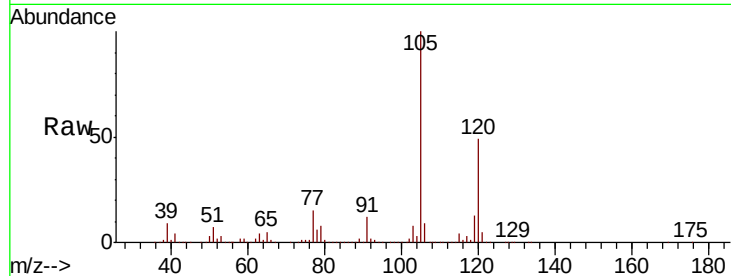
#73
 1,3,5-Trimethylbenzene
 Concen: 9.305 ppbv
 RT: 16.01 min Scan# 4113
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:105 Resp: 4559806
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.0 58.6

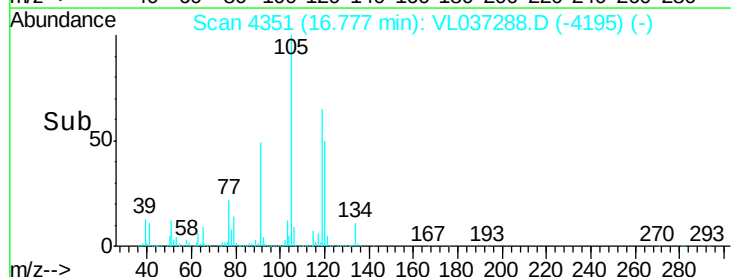
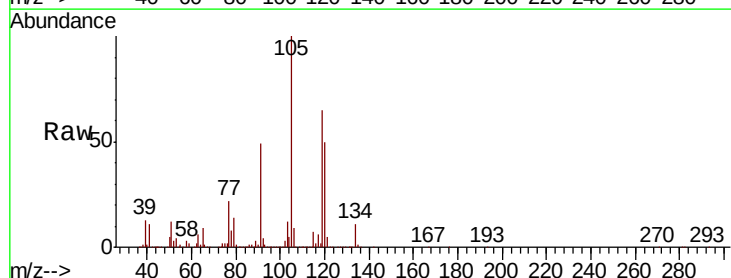
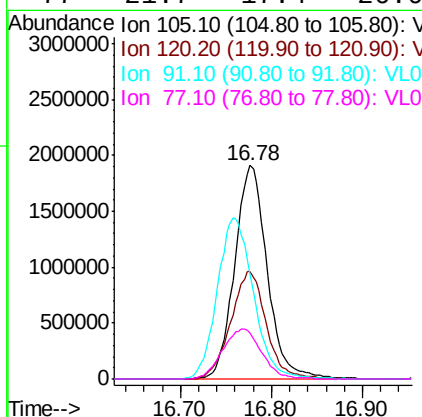
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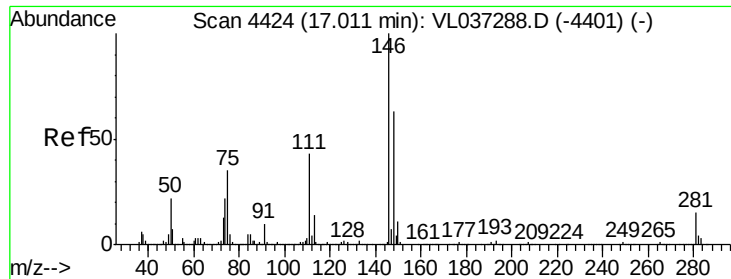
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.408 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Tgt Ion:105 Resp: 4746302
 Ion Ratio Lower Upper
 105 100
 120 50.3 40.2 60.4
 91 48.8 39.0 58.6
 77 21.7 17.4 26.0





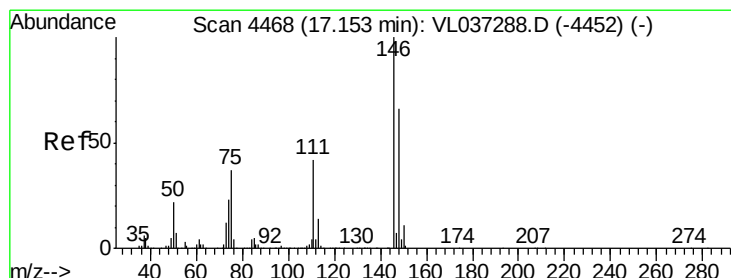
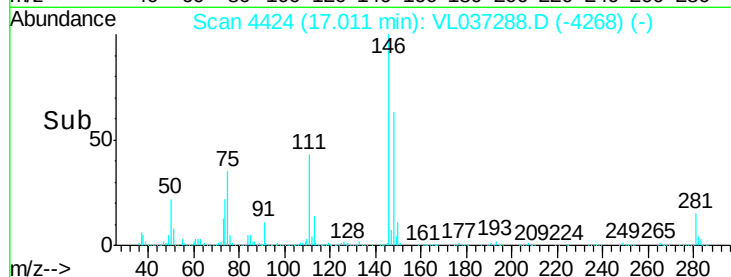
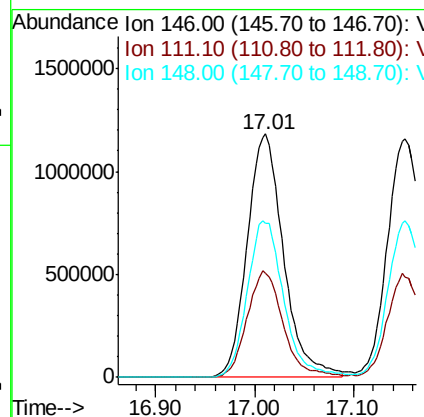
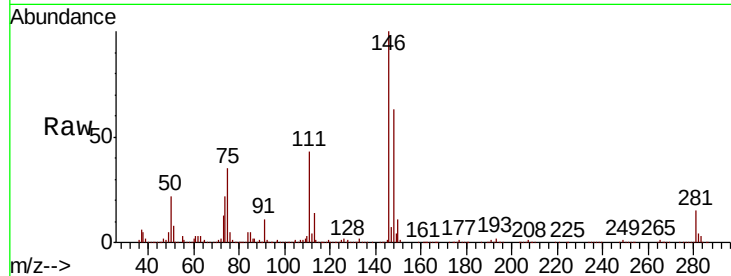
#75
 1,3-Dichlorobenzene
 Concen: 9.748 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 3014119
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.7 65.1
 148 64.6 32.3 96.9

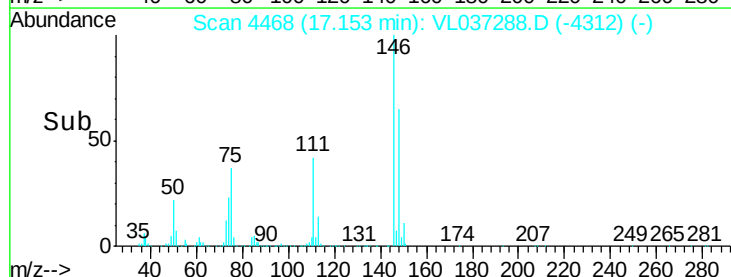
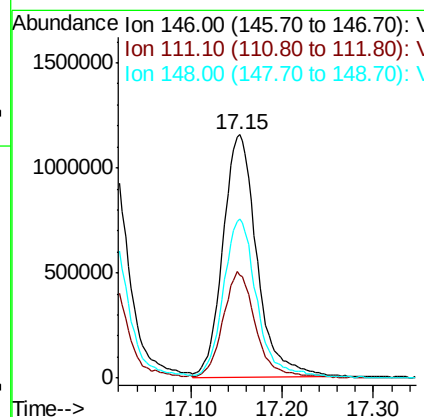
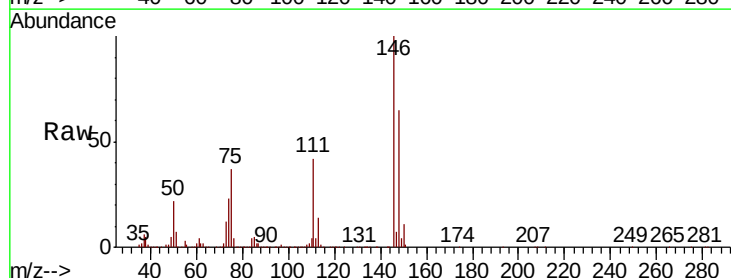
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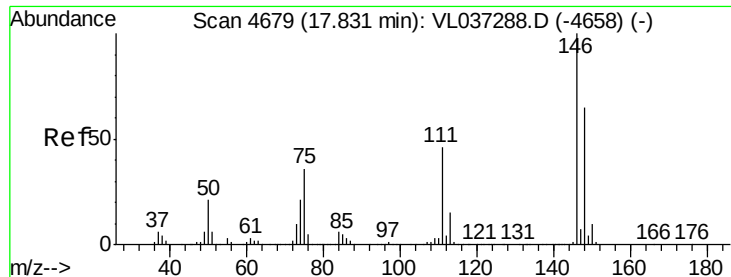
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#76
 1,4-Dichlorobenzene
 Concen: 9.586 ppbv
 RT: 17.15 min Scan# 4468
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Tgt Ion:146 Resp: 2979409
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.2 63.6
 148 65.7 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 9.660 ppbv

RT: 17.83 min Scan# 4679

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:146 Resp: 2899387

Ion Ratio Lower Upper

146 100

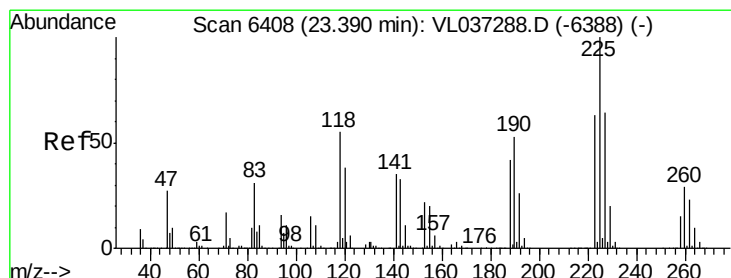
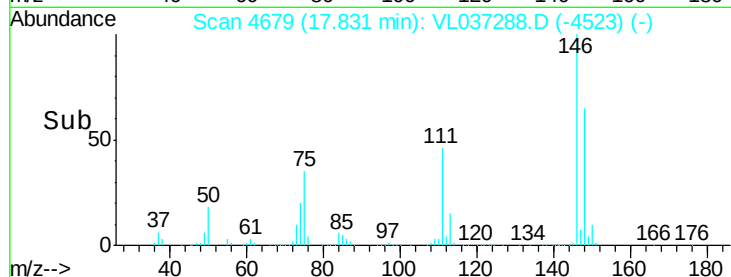
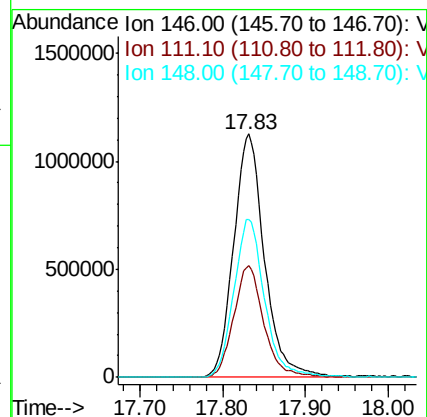
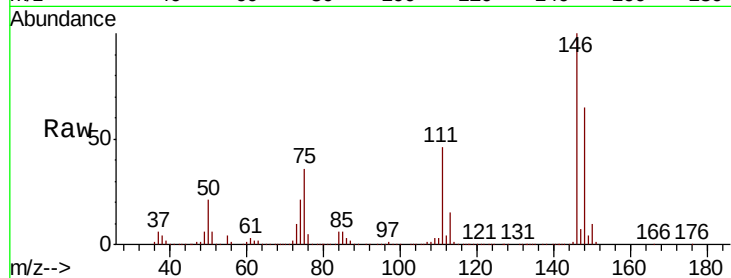
111 45.1 22.6 67.7

148 64.9 32.5 97.4

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 7.656 ppbv

RT: 23.39 min Scan# 6408

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

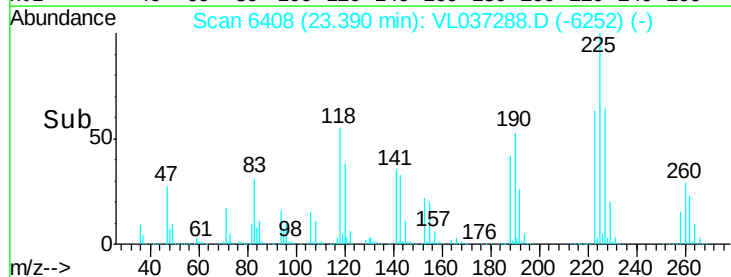
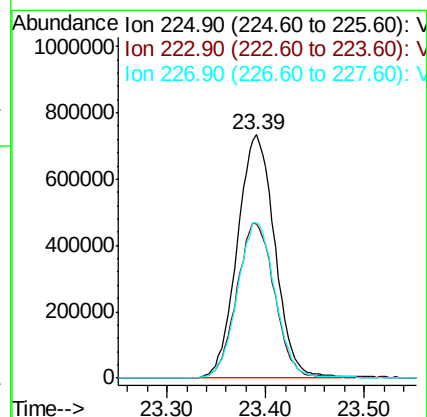
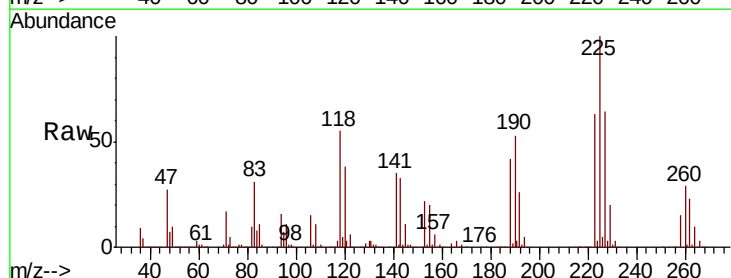
Tgt Ion:225 Resp: 1930584

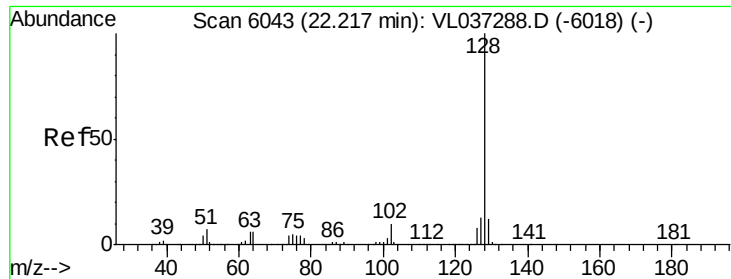
Ion Ratio Lower Upper

225 100

223 65.0 51.7 77.5

227 65.1 51.8 77.8





#79

Naphthalene

Concen: 9.085 ppbv

RT: 22.22 min Scan# 6043

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:128 Resp: 3694163

Ion Ratio Lower Upper

128 100

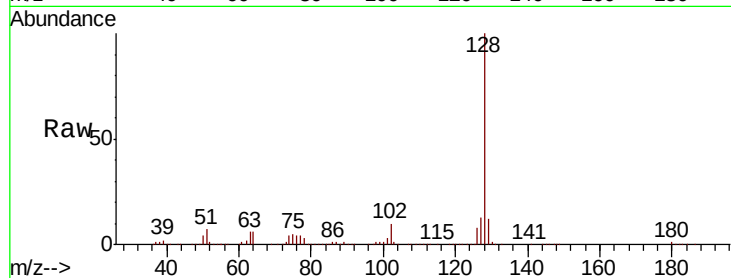
127 13.4 10.7 16.1

129 11.8 9.4 14.2

Manual Integrations
APPROVED

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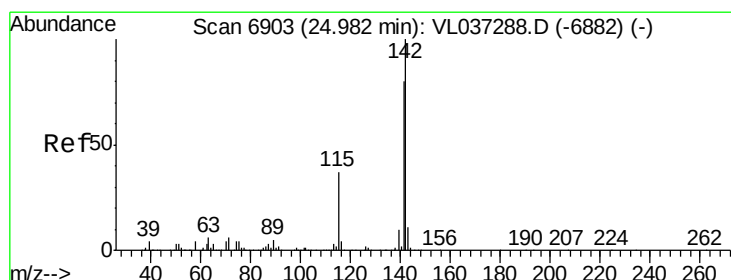
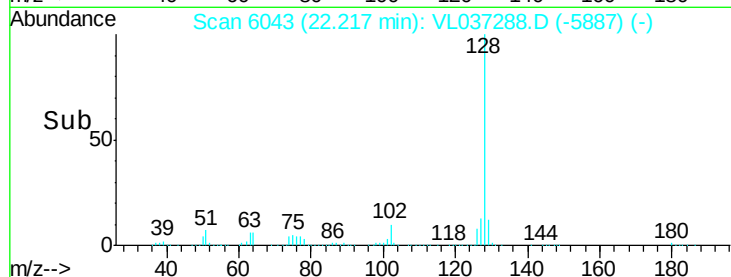
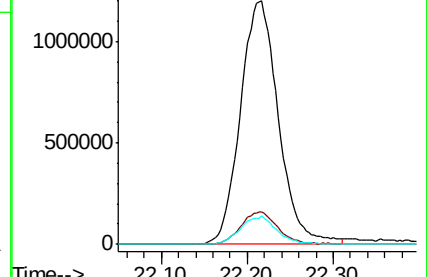
8/2/2021 8:57:26 AM



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: 10.100 ppbv

RT: 24.98 min Scan# 6903

Delta R.T. 0.00 min

Lab File: VL037288.D

Acq: 30 Jul 2021 17:02

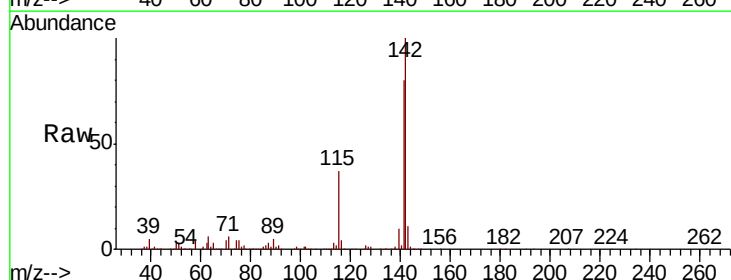
Tgt Ion:142 Resp: 1071894

Ion Ratio Lower Upper

142 100

141 81.8 67.0 100.6

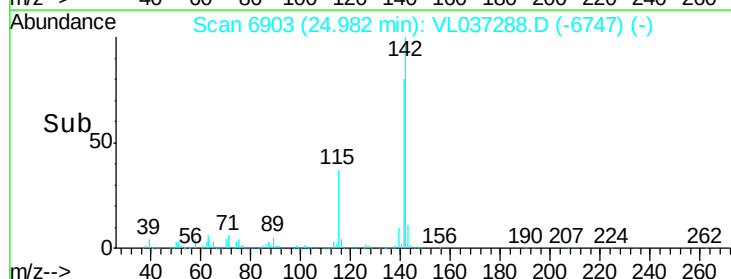
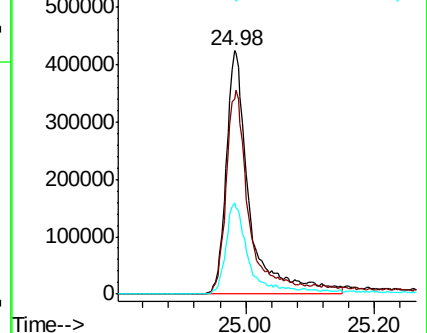
115 38.7 28.6 42.8

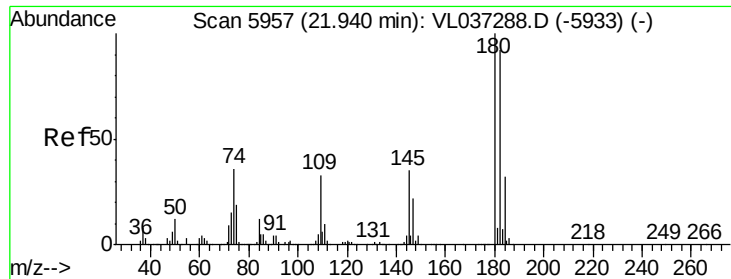


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.072 ppbv
 RT: 21.94 min Scan# 5957
 Delta R.T. 0.00 min
 Lab File: VL037288.D
 Acq: 30 Jul 2021 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.9	80.8	121.2
184	31.4	25.4	38.2

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:57:26 AM

