

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037319.D
 Acq On : 4 Aug 2021 21:19
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 1:40:21 PM

Quant Time: Aug 04 22:47:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 2021
 QLast Update : Wed Aug 04 22:14:21 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1219633	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3945539	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3526317	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2454379	9.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2758143	11.906	ppbv	98
3) Chlorodifluoromethane	2.98	51	3056701	12.236	ppbv	98
4) Chloromethane	3.13	50	1147664	12.956	ppbv	98
5) Vinyl Chloride	3.25	62	1232410	12.752	ppbv	98
6) Bromomethane	3.47	94	767497	15.058	ppbv	95
7) Chloroethane	3.55	64	433120	14.497	ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	2977161	13.154	ppbv	100
9) Propene	3.00	41	1103652	12.444	ppbv	99
10) Heptane	8.11	43	2658051	12.561	ppbv	99
11) Trichlorofluoromethane	3.94	101	2878977	12.668	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2180225	13.115	ppbv	100
13) Ethanol	3.61	45	138769m	15.819	ppbv	
14) Bromoethene	3.73	108	997605	13.607	ppbv	99
15) Acetone	3.84	43	1462777	10.869	ppbv	99
16) 1,3-Butadiene	3.32	39	1120194	13.047	ppbv	97
17) tert-Butyl alcohol	4.29	59	1764448	16.773	ppbv	100
18) 1,1-Dichloroethene	4.28	96	1017306	13.530	ppbv	93
19) Isopropyl Alcohol	3.96	45	933723	13.789	ppbv #	98
20) Methylene Chloride	4.34	84	905129	8.151	ppbv	98
21) Allyl Chloride	4.40	41	1405015	15.333	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	995623	14.340	ppbv	94
23) Vinyl Acetate	5.07	43	2872847	14.291	ppbv	99
24) 1,1-Dichloroethane	5.00	63	2218137	13.207	ppbv	99
25) Ethyl Acetate	5.67	43	4175504	13.476	ppbv	100
26) Hexane	5.68	57	2093155	10.688	ppbv	99
27) Carbon Disulfide	4.54	76	2326074	14.786	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	2644483	13.407	ppbv	99
29) Chloroform	5.74	83	3080352	12.438	ppbv	100
30) Cyclohexane	7.12	84	1885459	14.008	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1989969	14.581	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	3118807	14.173	ppbv	100
34) 2-Butanone	5.23	43	1846864	13.285	ppbv	100
35) Carbon Tetrachloride	7.01	117	3266015	13.409	ppbv	98
36) Benzene	6.88	78	4381592	12.228	ppbv	98
37) 1,2-Dichloroethane	6.30	62	2214167	13.240	ppbv	99
38) Trichloroethene	7.83	130	1867251	12.115	ppbv	99
39) 1,2-Dichloropropane	7.60	63	1668442	14.399	ppbv	97
40) 1,4-Dioxane	7.83	88	395074	22.244	ppbv #	1
41) Tetrahydrofuran	6.04	42	1022573	17.546	ppbv	100
42) Bromodichloromethane	7.78	83	3307472	13.197	ppbv	97
43) Methyl Methacrylate	8.01	69	1617339	14.608	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	6925043	11.681	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	1538613	17.148	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	2012026	14.508	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1821686	14.477	ppbv	98
48) Dibromochloromethane	10.29	129	3040346	14.218	ppbv	100
49) Bromoform	13.03	173	2365753	14.394	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2814057	14.069	ppbv	98
51) 2-Hexanone	10.13	43	1406585	21.062	ppbv #	99
52) Tetrachloroethene	11.21	164	1818188	14.071	ppbv	96
53) Toluene	9.80	91	5257890	12.415	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2653805	14.484	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1981725	12.848	ppbv	85
57) Chlorobenzene	12.14	112	3785884	12.640	ppbv	98
58) Ethyl Benzene	12.70	91	6428644	12.367	ppbv	99
59) m/p-Xylene	12.99	91	11102077m	38.938	ppbv	
60) o-Xylene	13.68	91	4876365	12.130	ppbv	97
61) Styrene	13.52	104	2947342	13.378	ppbv	99
62) Isopropylbenzene	14.66	105	7027311	13.644	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	3440809	14.370	ppbv	100
64) n-propylbenzene	15.55	120	1941001	12.751	ppbv	95
65) tert-Butylbenzene	16.73	119	6411643	13.237	ppbv	100
66) Benzyl Chloride	16.98	91	357138	3.631	ppbv	96
67) sec-Butylbenzene	17.28	105	8638137	13.374	ppbv	98
69) p-Isopropyltoluene	17.64	119	7566260	12.494	ppbv	99
70) n-Butylbenzene	18.54	91	7261394	13.121	ppbv	99
71) 2-Chlorotoluene	15.44	91	5054111	12.404	ppbv	100
72) 4-Ethyltoluene	15.83	105	6383024	13.270	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	5665484	13.047	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	5791946	12.492	ppbv	96
75) 1,3-Dichlorobenzene	16.99	146	3745885	13.109	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3762742	13.674	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	3666236	13.440	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2944864	13.664	ppbv	99
79) Naphthalene	22.18	128	6969938	17.626	ppbv	97
80) Naphthalene, 2-methyl-	24.96	142	1732432	27.775	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	3703771	18.089	ppbv	100

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

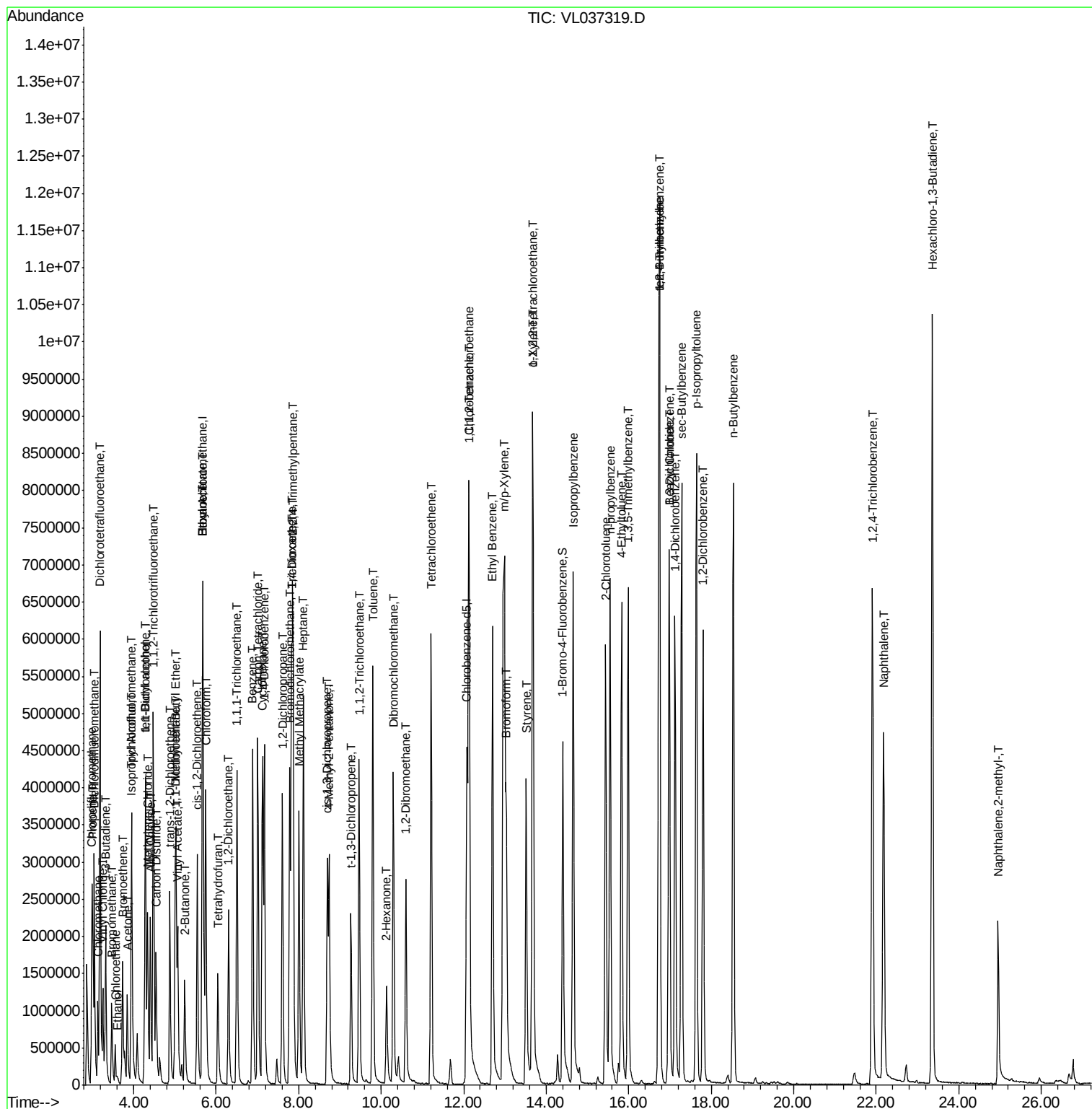
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080421\
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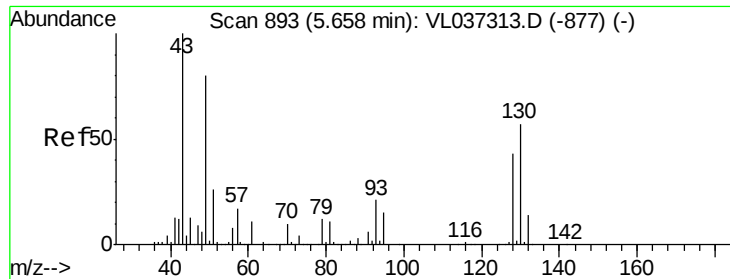
Instrument :
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ClientSampleId :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug
QLast Update : Wed Aug 04 22:14:21 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 49 Resp: 1219633

Ion Ratio Lower Upper

49 100

128 61.7 29.8 89.5

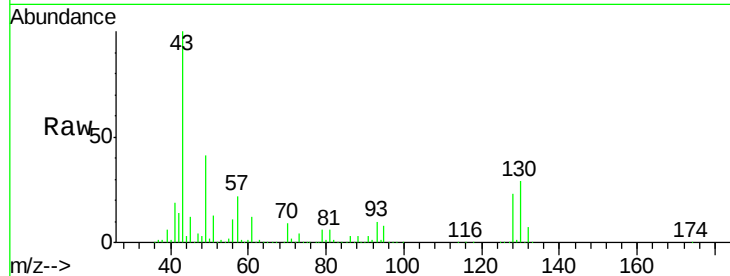
130 75.3 37.5 112.7

Manual Integrations

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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

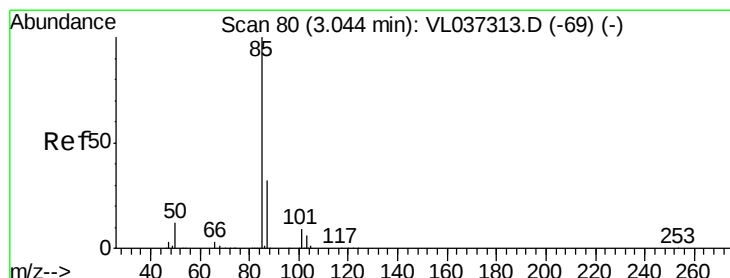
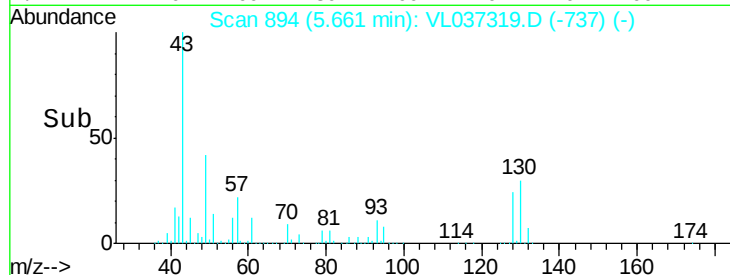
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 11.906 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL037319.D

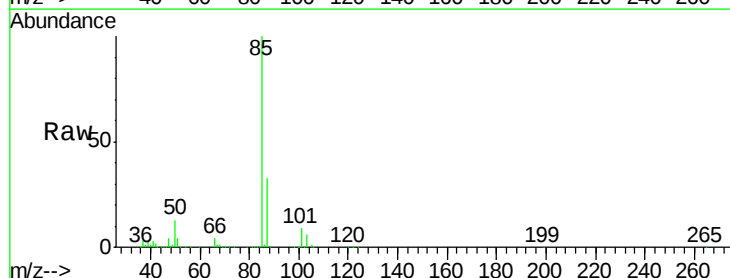
Acq: 4 Aug 2021 21:19

Tgt Ion: 85 Resp: 2758143

Ion Ratio Lower Upper

85 100

87 32.8 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

2000000

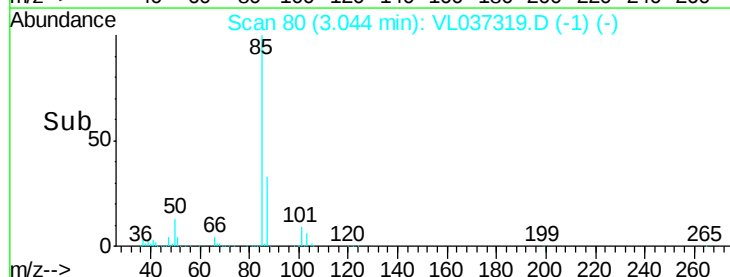
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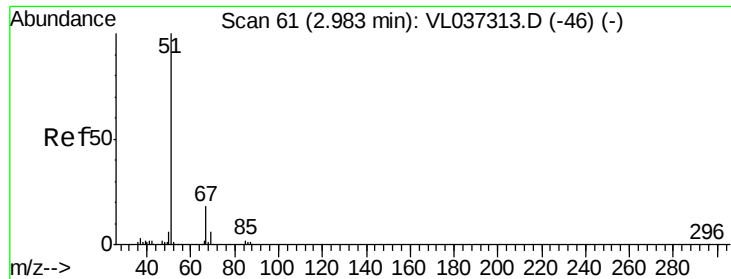
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500000

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Time-->





#3

Chlorodifluoromethane

Concen: 12.236 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Tot Ion: 51 Resp: 3056701

Ion Ratio Lower Upper

51 100

67 18.5 14.2 21.2

Instrument :

MSVOA_L

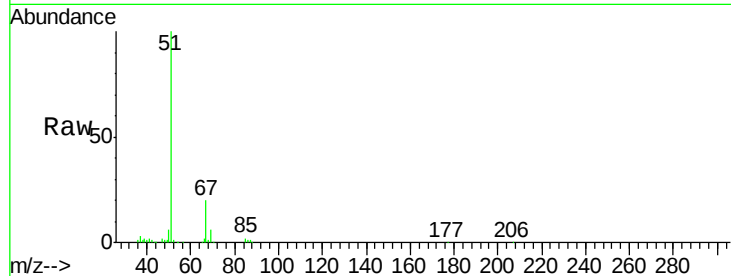
ClientSampleId :

VSTDIC015

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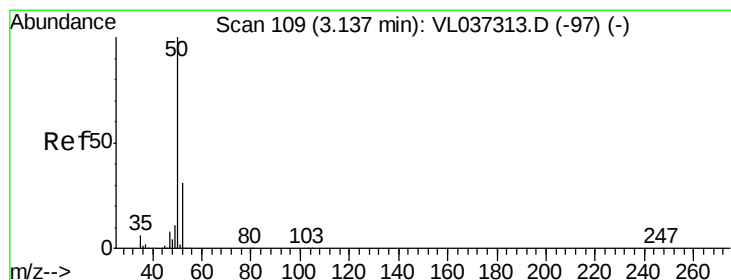
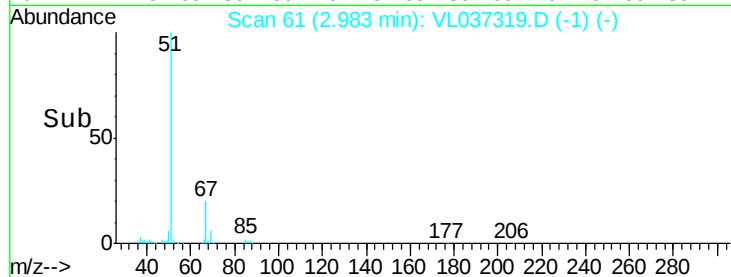
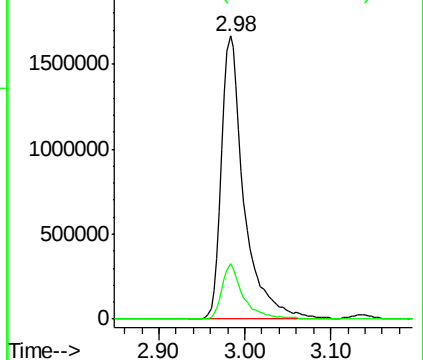
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 12.956 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL037319.D

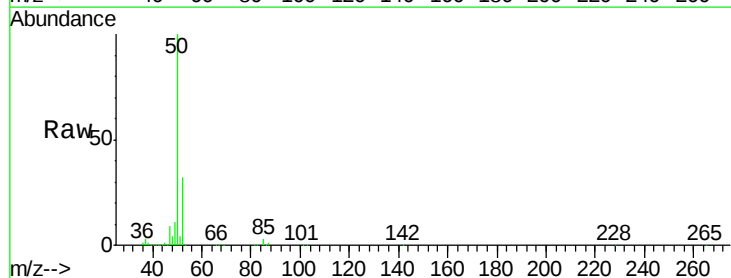
Acq: 4 Aug 2021 21:19

Tgt Ion: 50 Resp: 1147664

Ion Ratio Lower Upper

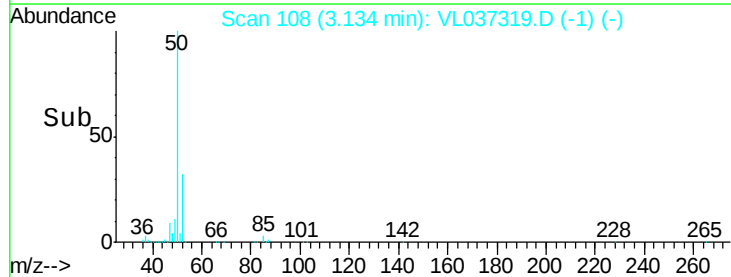
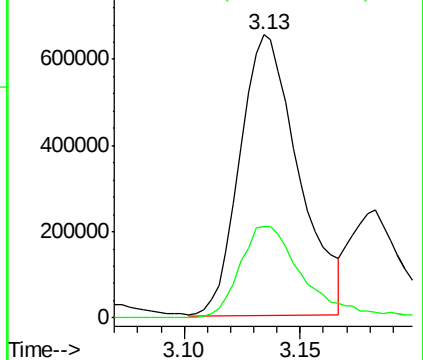
50 100

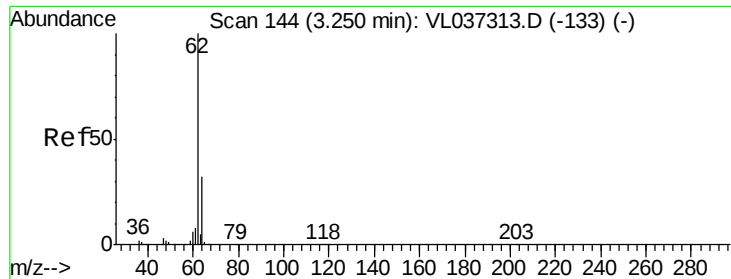
52 32.5 25.1 37.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 12.752 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 1232410

Ion Ratio Lower Upper

62 100

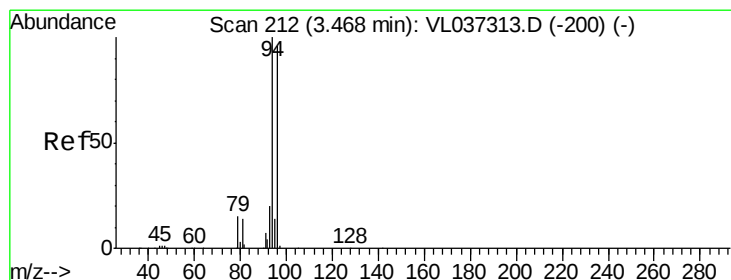
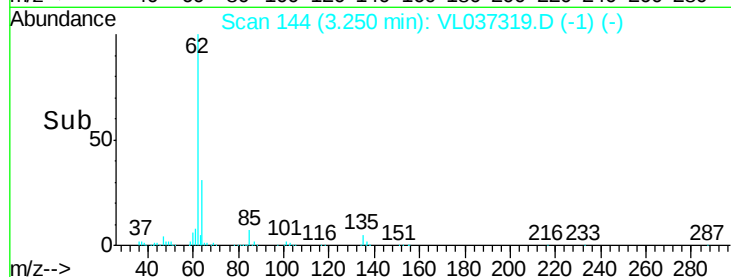
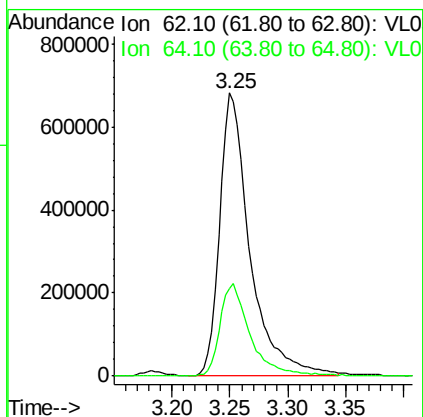
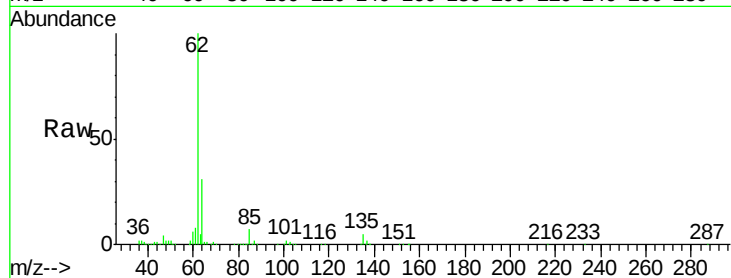
64 31.0 25.7 38.5

Manual Integrations

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#6

Bromomethane

Concen: 15.058 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL037319.D

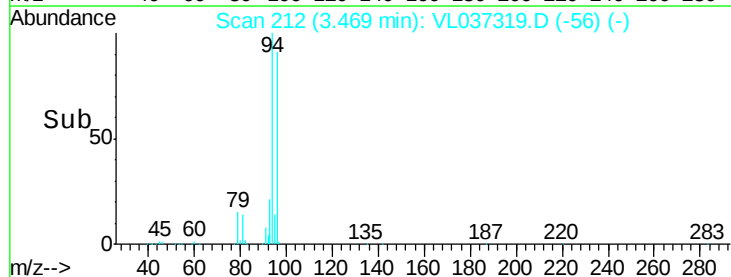
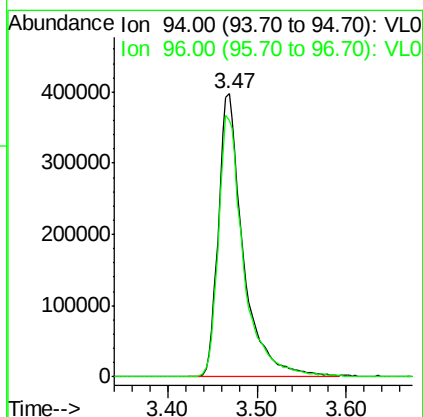
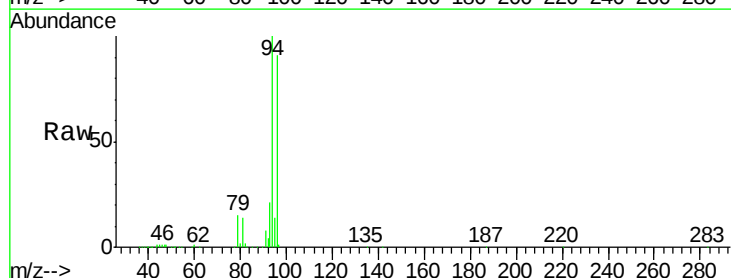
Acq: 4 Aug 2021 21:19

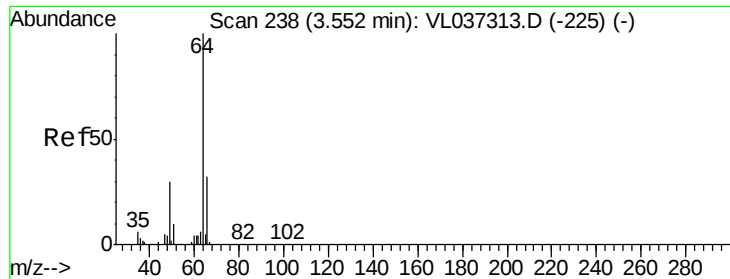
Tgt Ion: 94 Resp: 767497

Ion Ratio Lower Upper

94 100

96 90.6 76.7 115.1





#7

Chloroethane

Concen: 14.497 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Instrument :

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ClientSampleId :

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Tot Ion: 64 Resp: 433120

Ion Ratio Lower Upper

64 100

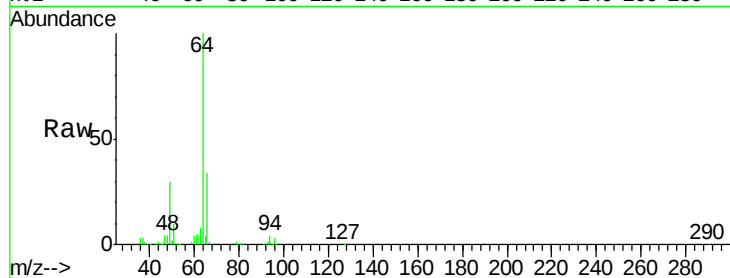
66 33.9 25.5 38.3

Manual Integrations

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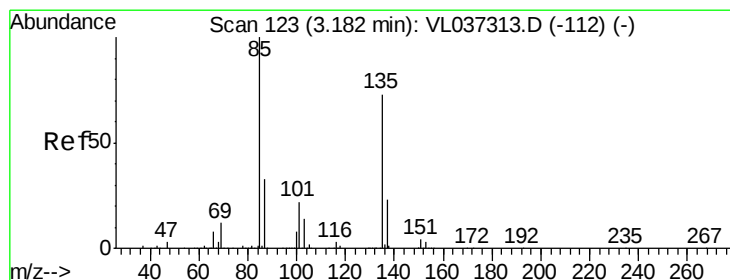
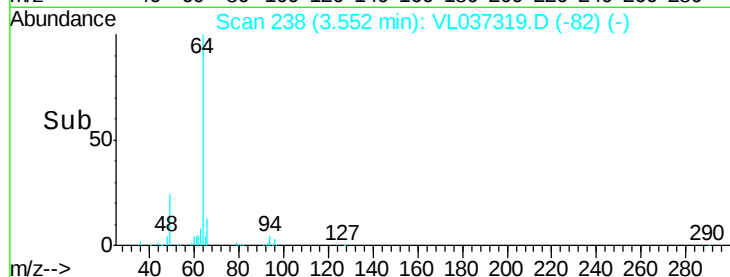
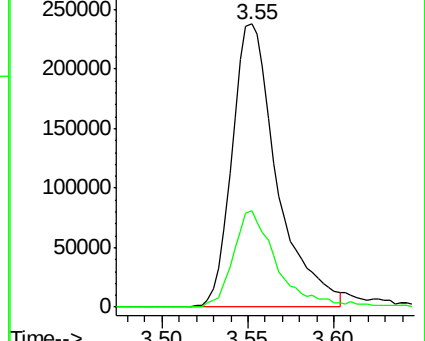
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 13.154 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL037319.D

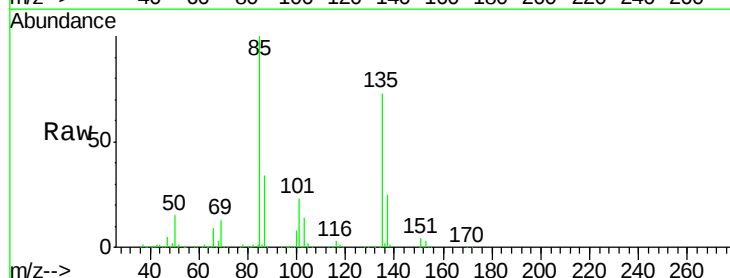
Acq: 4 Aug 2021 21:19

Tgt Ion: 85 Resp: 2977161

Ion Ratio Lower Upper

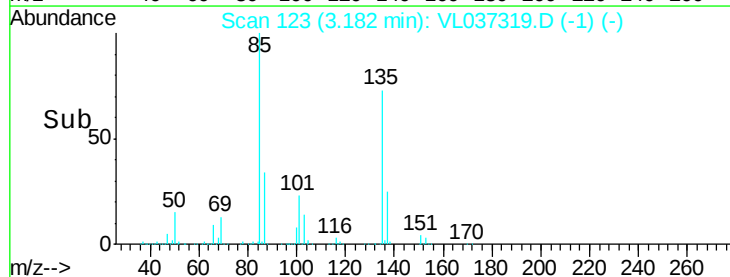
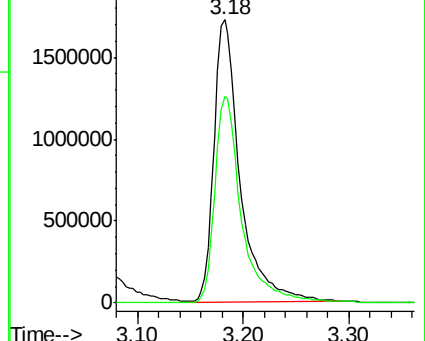
85 100

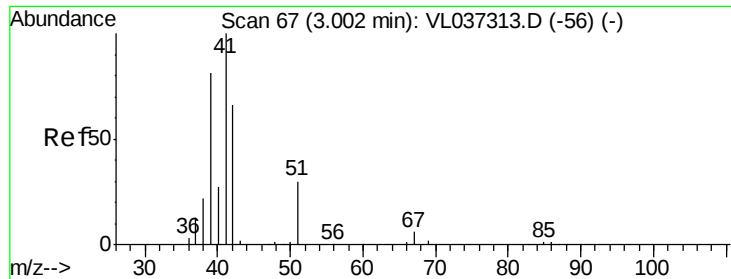
135 75.6 60.6 91.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 12.444 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

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Acq: 4 Aug 2021 21:19

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ClientSampleId :

VSTDIC015

Tot Ion: 41 Resp: 1103652

Ion Ratio Lower Upper

41 100

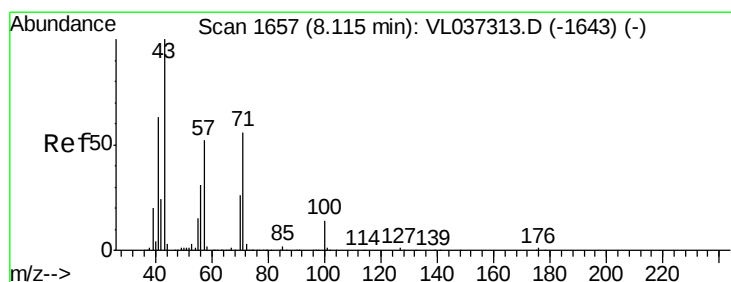
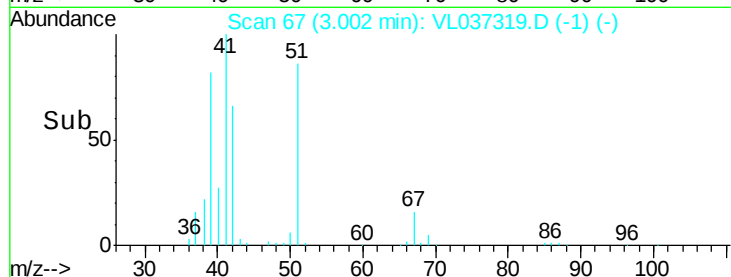
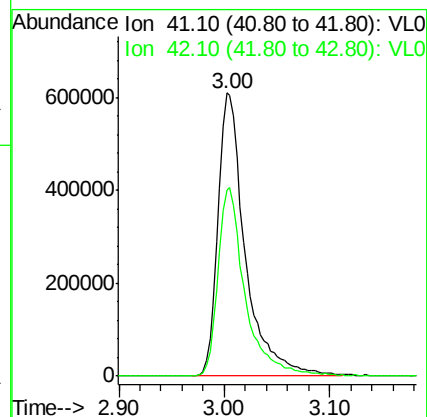
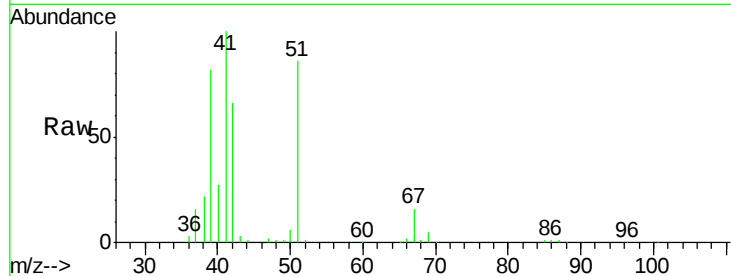
42 66.2 53.8 80.8

Manual Integrations

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#10

Heptane

Concen: 12.561 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VL037319.D

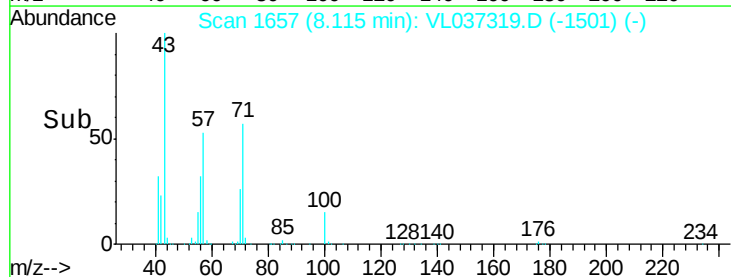
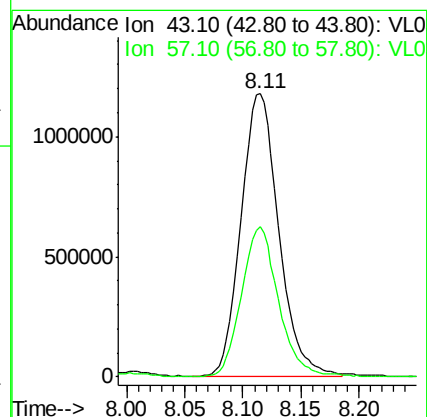
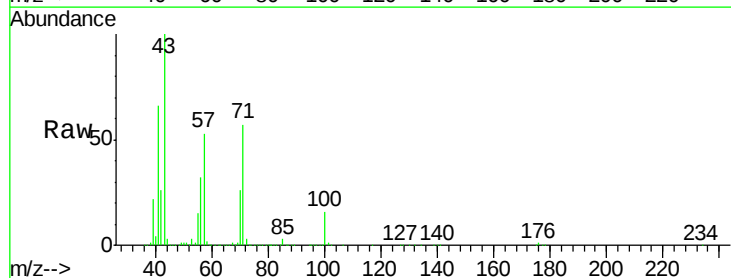
Acq: 4 Aug 2021 21:19

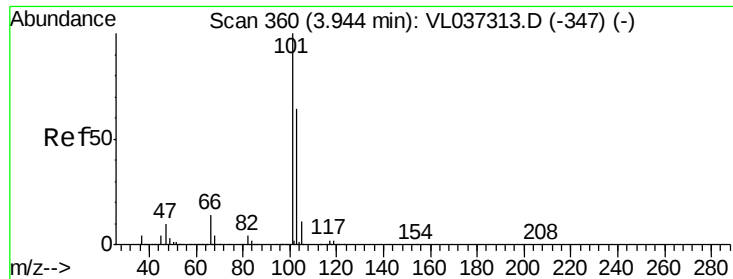
Tgt Ion: 43 Resp: 2658051

Ion Ratio Lower Upper

43 100

57 52.4 42.4 63.6





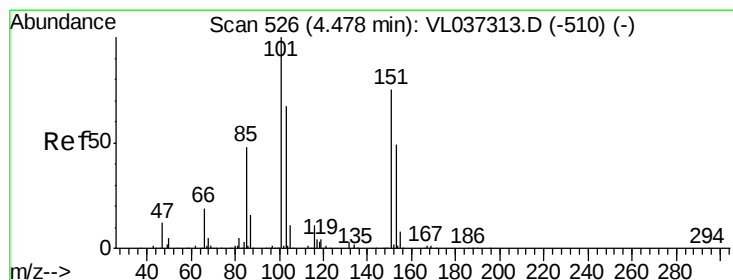
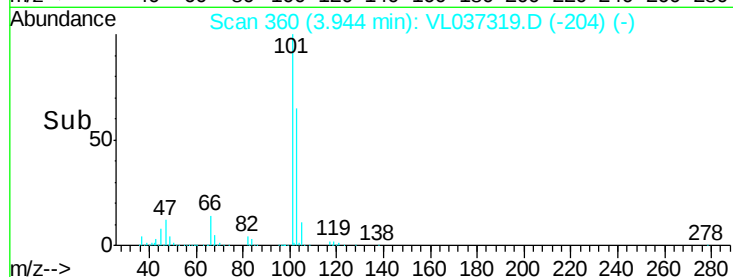
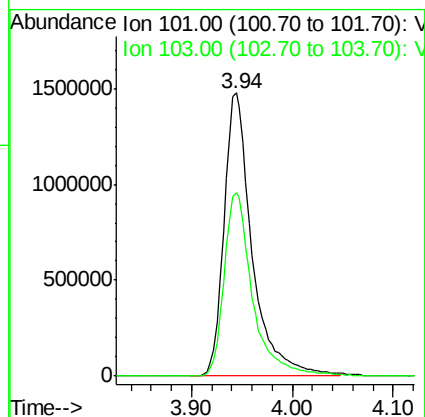
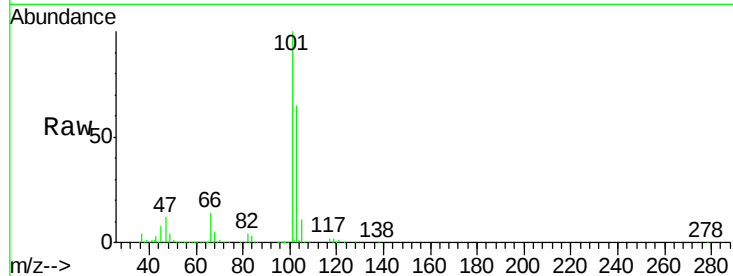
#11
 Trichlorofluoromethane
 Concen: 12.668 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: VL037319.D
 Acq: 4 Aug 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:101 Resp: 2878977
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.6 77.4

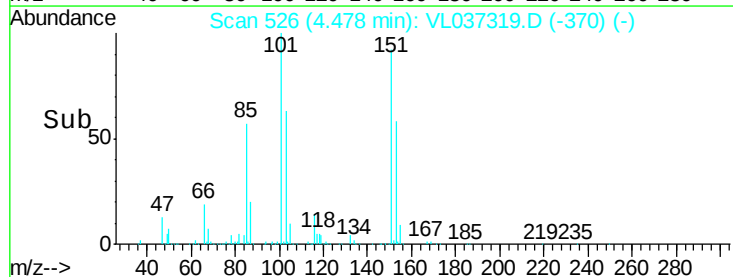
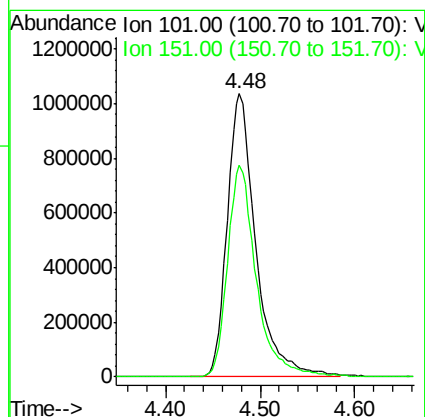
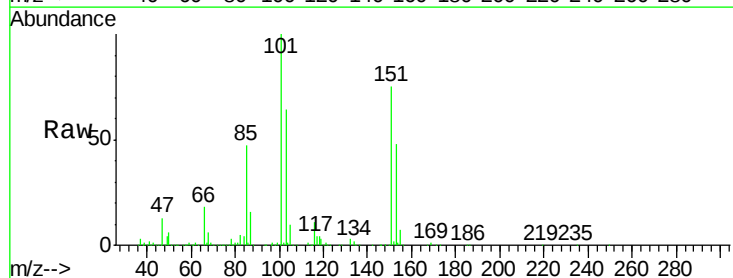
Manual Integrations
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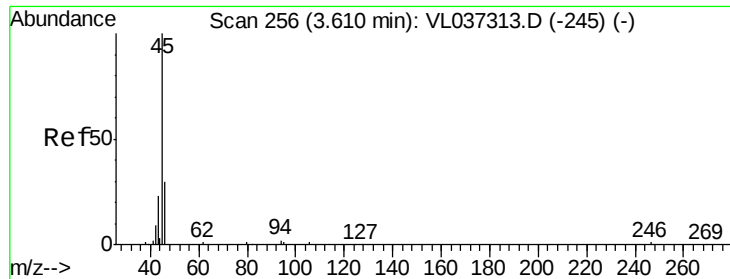
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.115 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VL037319.D
 Acq: 4 Aug 2021 21:19

Tgt Ion:101 Resp: 2180225
 Ion Ratio Lower Upper
 101 100
 151 75.5 60.6 91.0





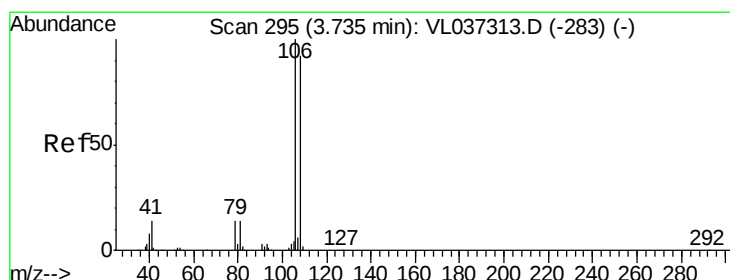
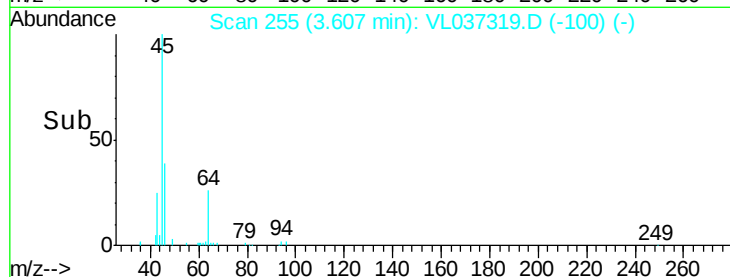
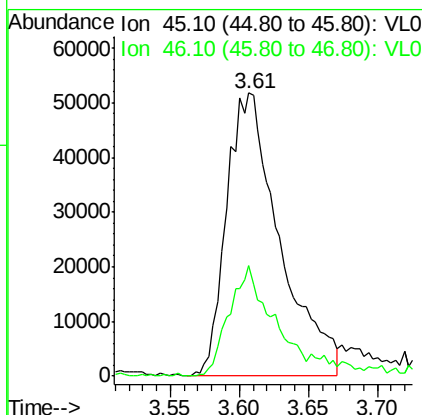
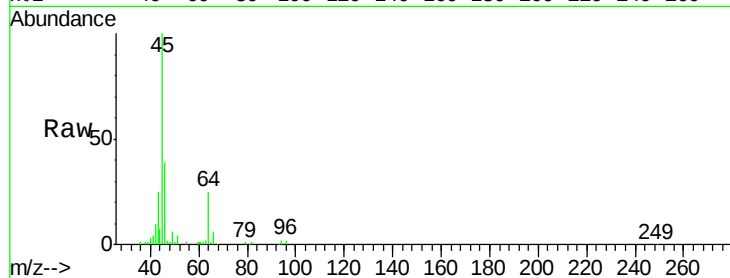
#13
Ethanol
Concen: 15.819 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	45	46	Ratio	100	37.2	Resp	Lower	Upper
138769								
							16.6	66.4

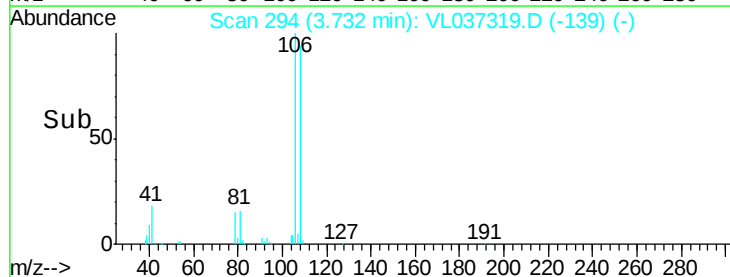
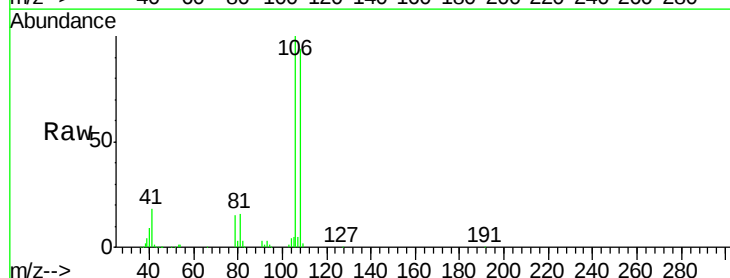
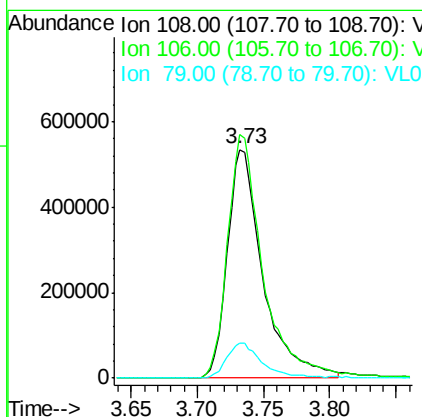
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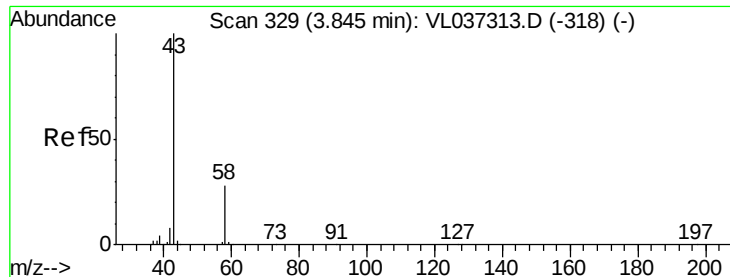
MMDadoda
8/5/2021 1:40:21 PM



#14
Bromoethene
Concen: 13.607 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Tgt Ion	108	106	79	Ratio	100	107.6	15.7	Resp	Lower	Upper
997605										
									86.9	130.3
									12.3	18.5





#15

Acetone

Concen: 10.869 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 1462777

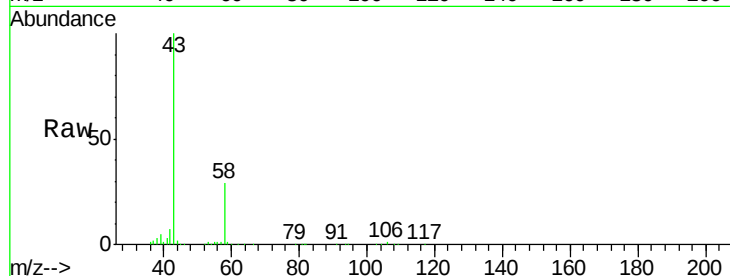
Ion Ratio Lower Upper

43 100

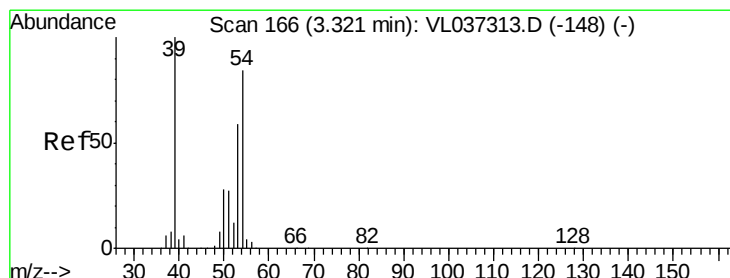
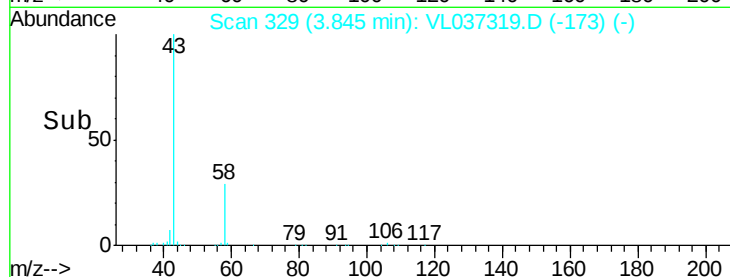
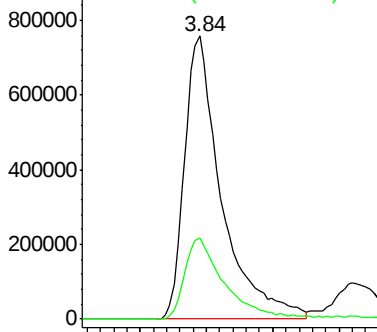
58 31.1 25.3 37.9

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 13.047 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL037319.D

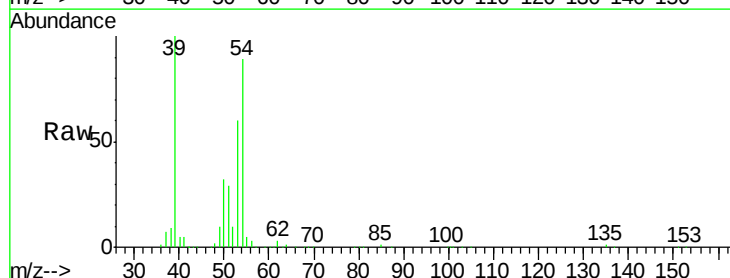
Acq: 4 Aug 2021 21:19

Tgt Ion: 39 Resp: 1120194

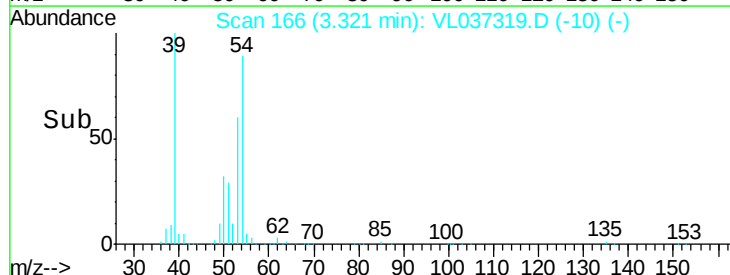
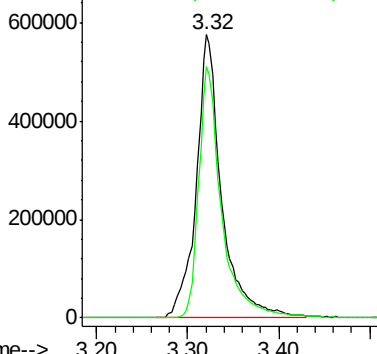
Ion Ratio Lower Upper

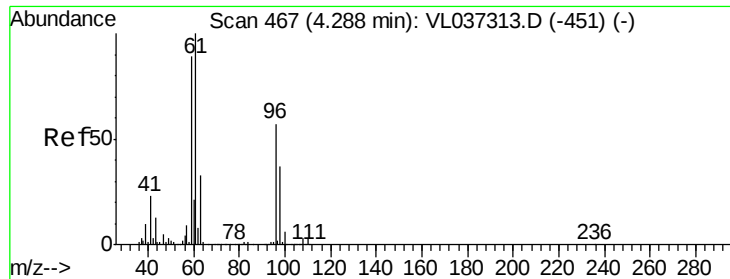
39 100

54 80.2 66.1 99.1



Abundance Ion 39.10 (38.80 to 39.80): VL0
Ion 54.10 (53.80 to 54.80): VL0





#17

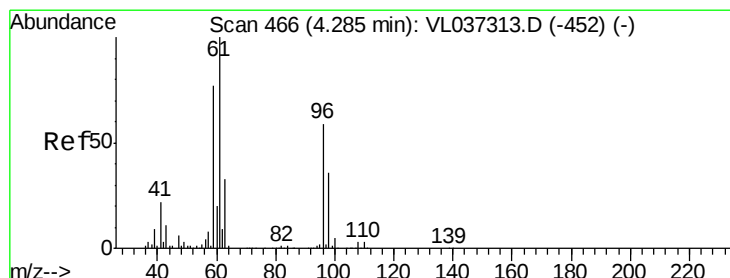
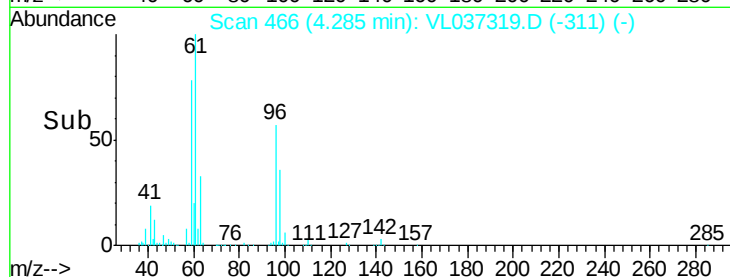
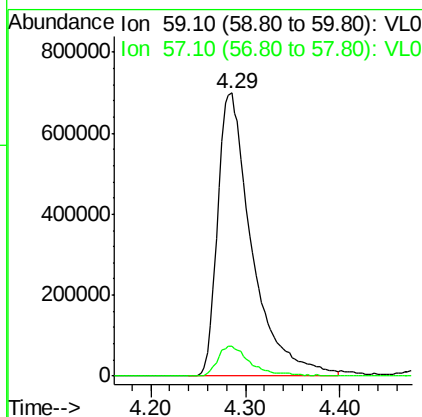
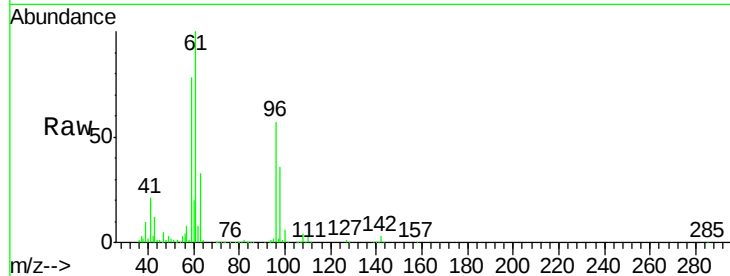
tert-Butyl alcohol
 Concen: 16.773 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VL037319.D
 Acq: 4 Aug 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 59 Resp: 1764448
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.6 12.8

Manual Integrations
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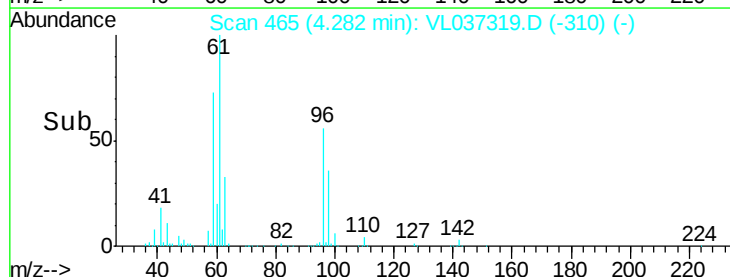
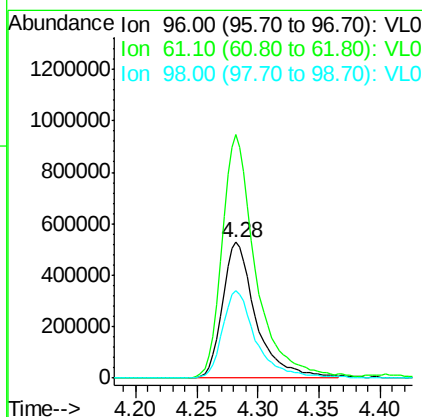
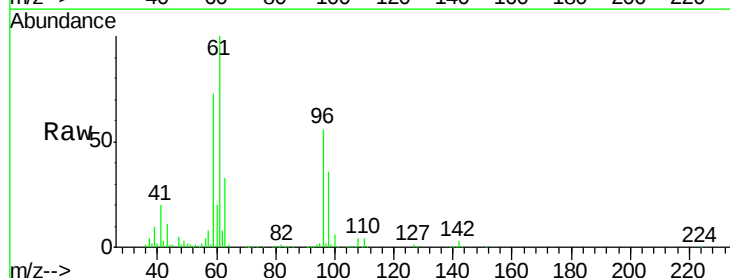
MMDadoda
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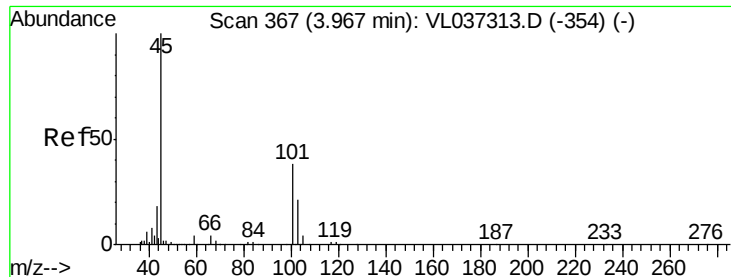


#18

1,1-Dichloroethene
 Concen: 13.530 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: VL037319.D
 Acq: 4 Aug 2021 21:19

Tgt Ion: 96 Resp: 1017306
 Ion Ratio Lower Upper
 96 100
 61 179.5 135.7 203.5
 98 64.7 48.6 72.8





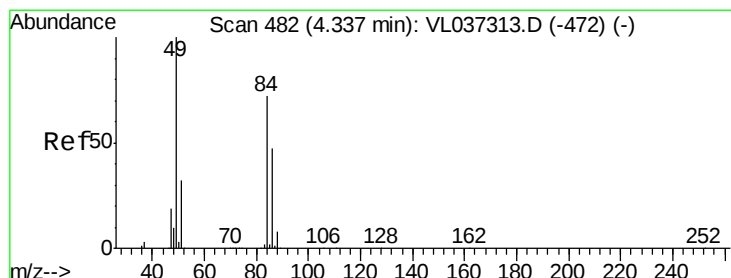
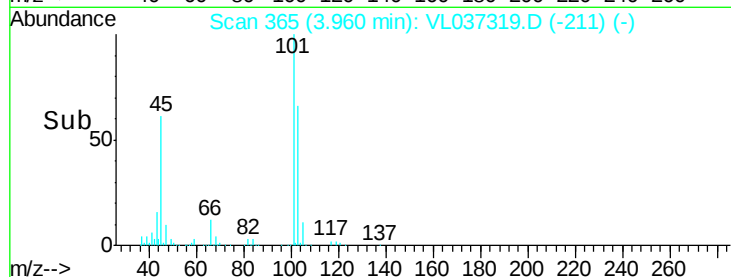
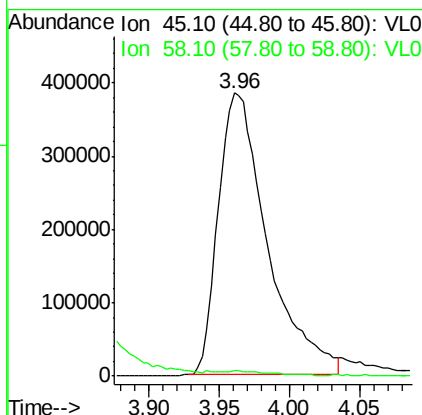
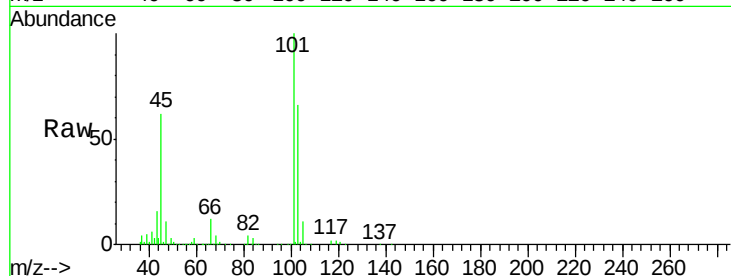
#19
Isopropyl Alcohol
Concen: 13.789 ppbv
RT: 3.96 min Scan# 365
Delta R.T. -0.01 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
45	100		
58	1.6	1.8	2.8#

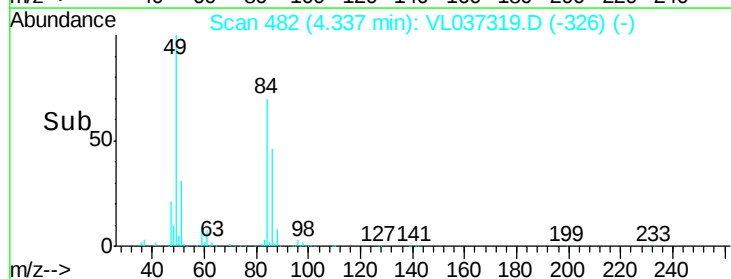
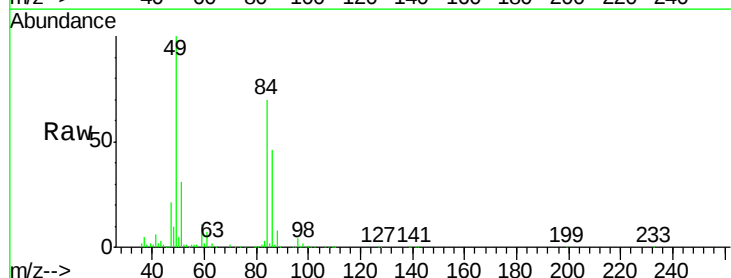
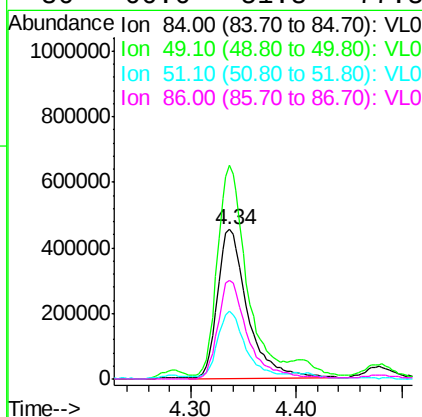
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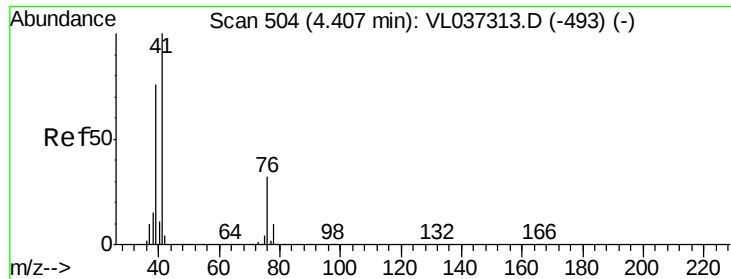
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#20
Methylene Chloride
Concen: 8.151 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.2	110.4	165.6
51	44.5	35.8	53.6
86	66.6	51.8	77.8





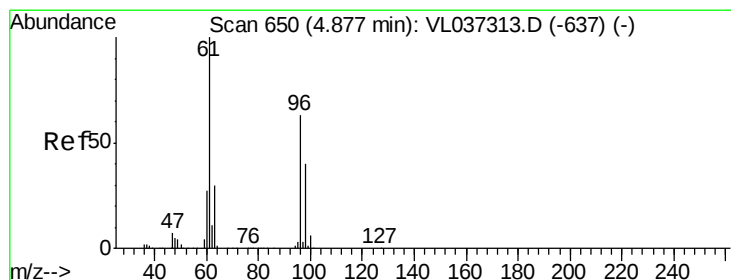
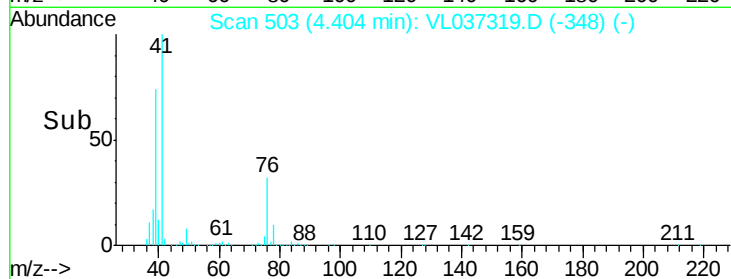
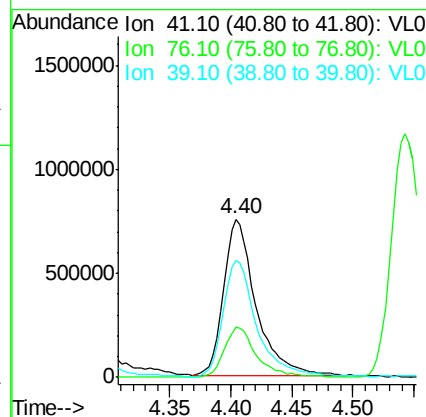
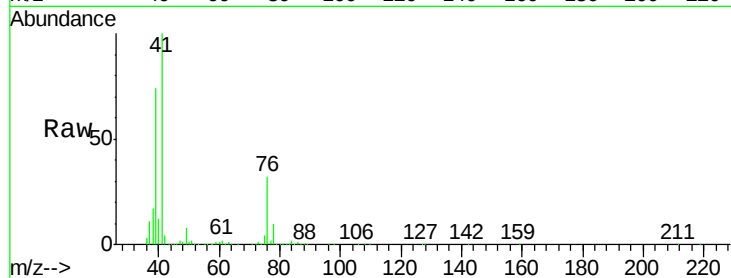
#21
Allvl Chloride
Concen: 15.333 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 41 Resp: 1405015
Ion Ratio Lower Upper
41 100
76 32.6 25.7 38.5
39 77.5 59.0 88.4

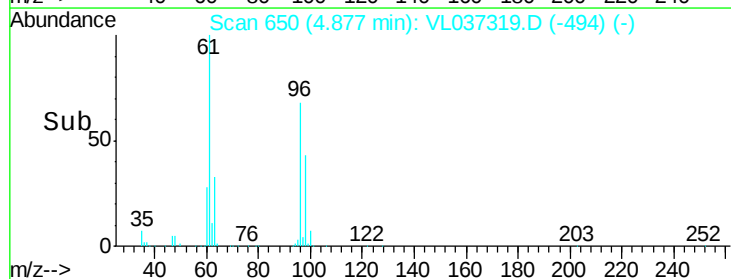
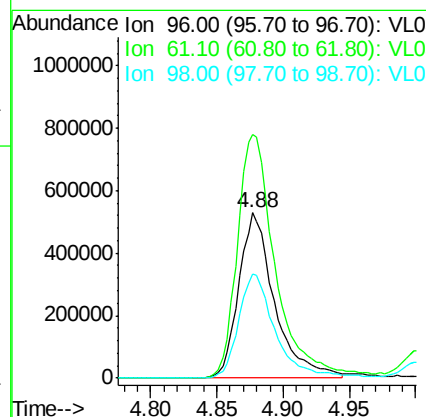
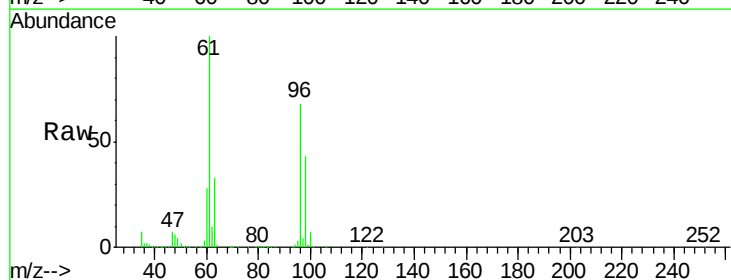
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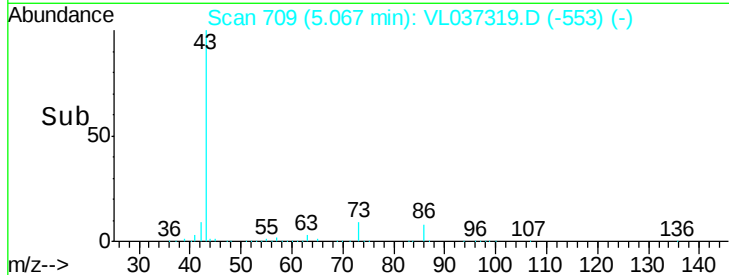
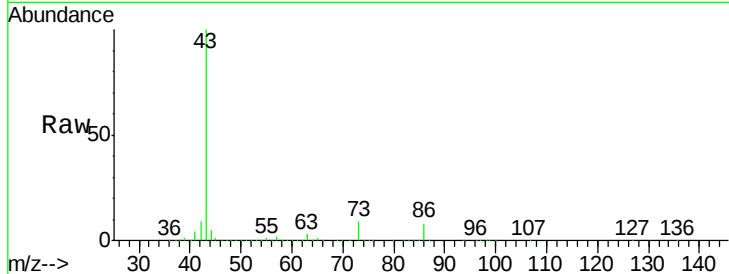
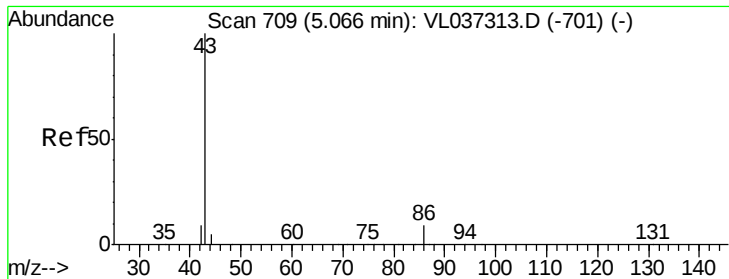
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#22
trans-1,2-Dichloroethene
Concen: 14.340 ppbv
RT: 4.88 min Scan# 650
Delta R.T. 0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Tgt Ion: 96 Resp: 995623
Ion Ratio Lower Upper
96 100
61 147.5 126.7 190.1
98 62.7 50.9 76.3





#23

Vinyl Acetate

Concen: 14.291 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Tot Ion: 43 Resp: 2872847

Ion Ratio Lower Upper

43 100

86 8.3 6.2 9.2

42 9.2 7.7 11.5

44 4.6 3.7 5.5

Instrument :

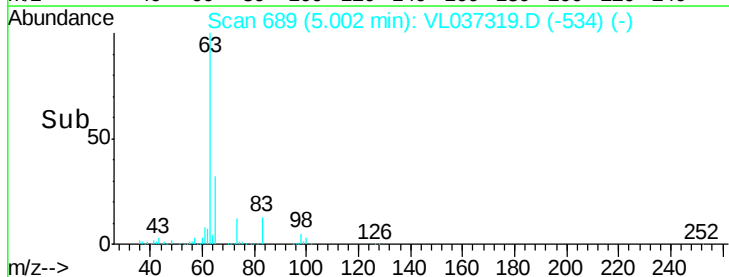
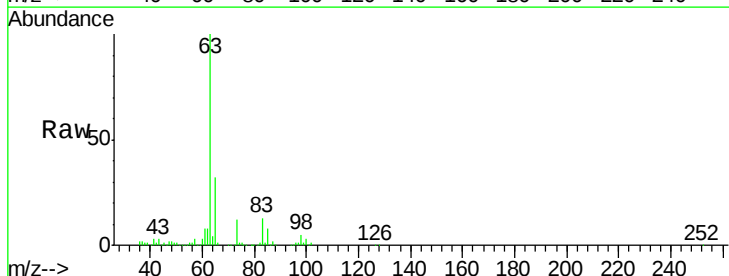
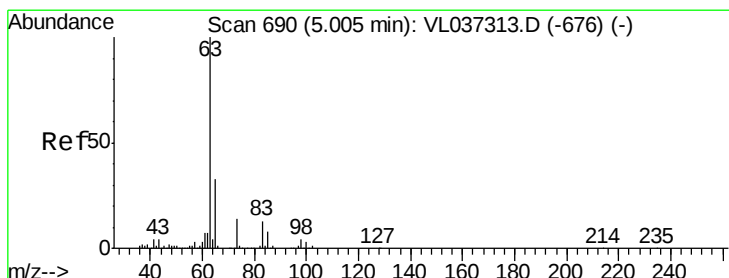
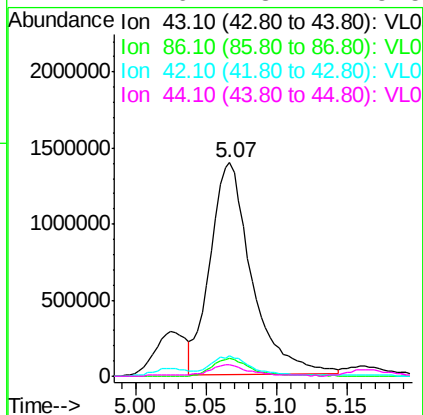
MSVOA_L

ClientSampleId :

VSTDIC015

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#24

1,1-Dichloroethane

Concen: 13.207 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

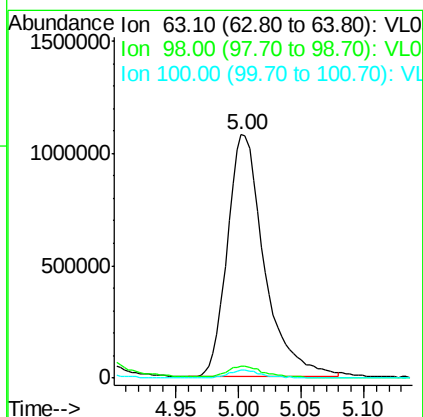
Tgt Ion: 63 Resp: 2218137

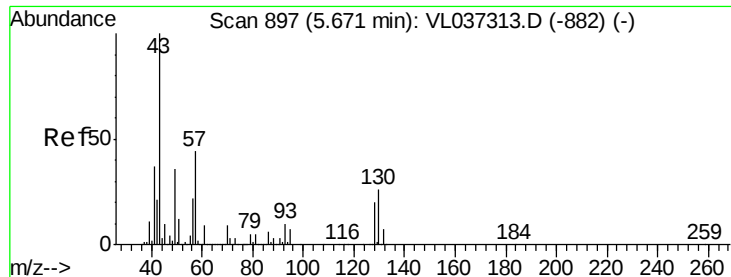
Ion Ratio Lower Upper

63 100

98 4.6 2.4 7.2

100 3.3 1.5 4.4





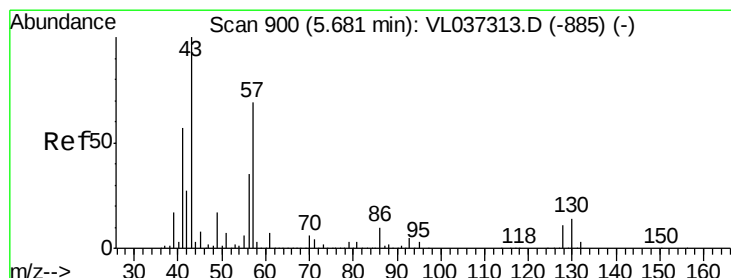
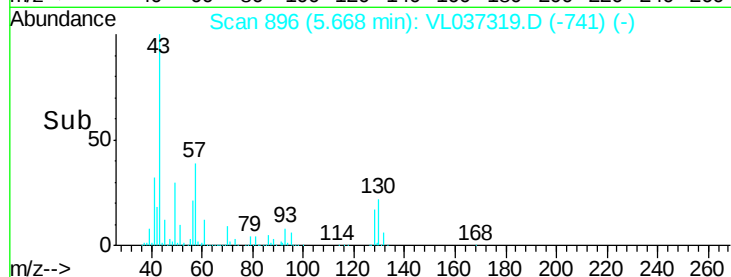
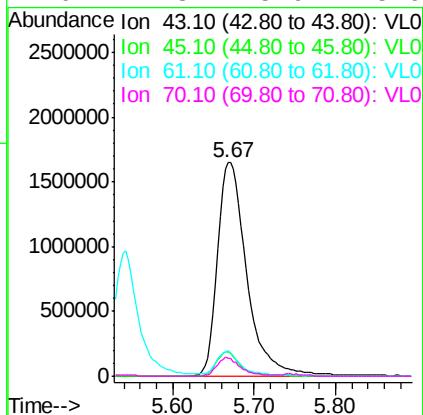
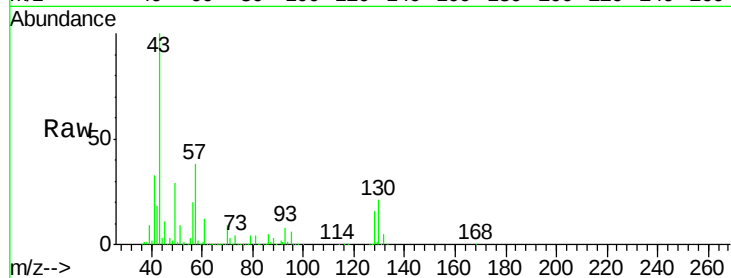
#25
Ethyl Acetate
Concen: 13.476 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	10.4	8.6	12.8
70	7.3	5.9	8.9

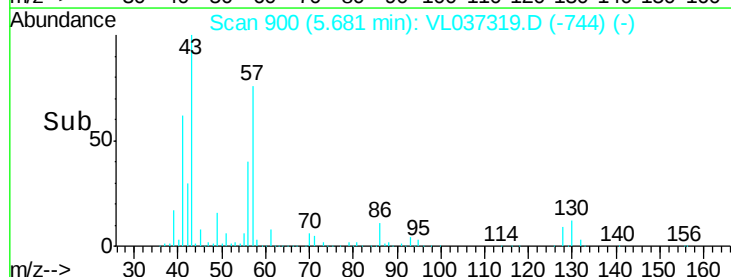
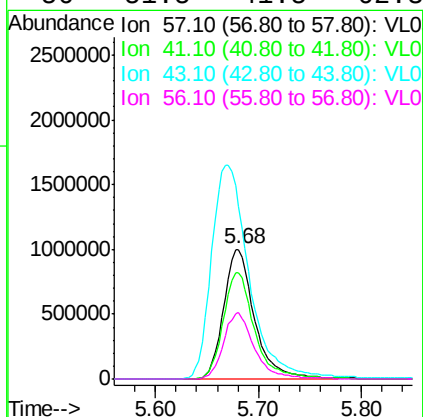
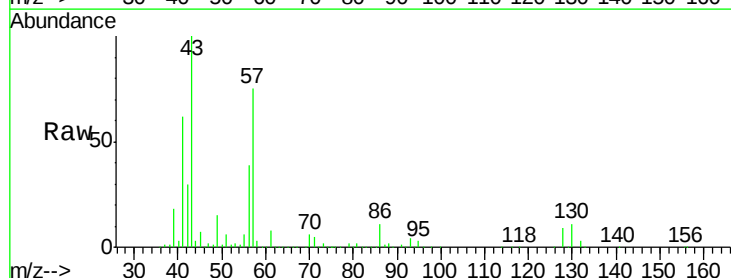
Manual Integrations
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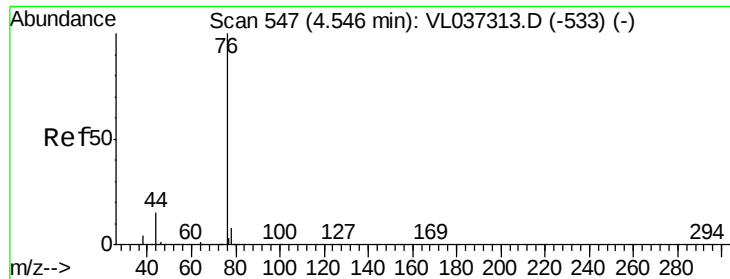
MMDadoda
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#26
Hexane
Concen: 10.688 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Tgt Ion	Ratio	Lower	Upper
57	100		
41	83.9	67.5	101.3
43	200.6	163.0	244.4
56	51.5	41.5	62.3





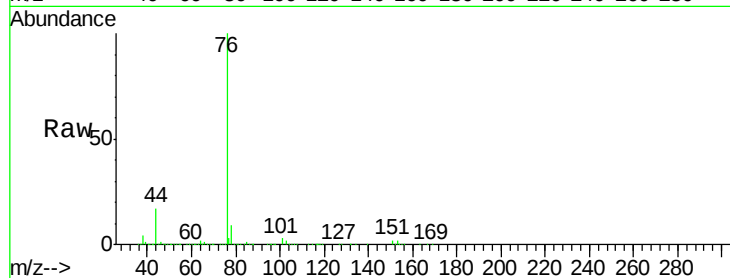
#27
Carbon Disulfide
Concen: 14.786 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

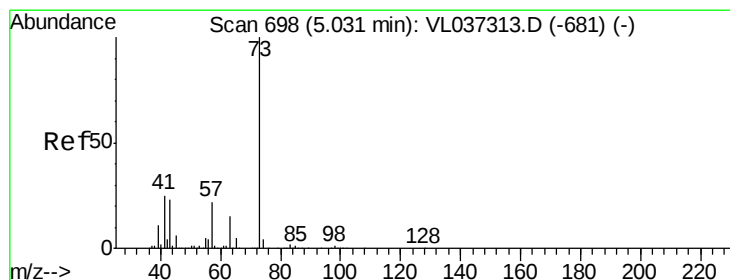
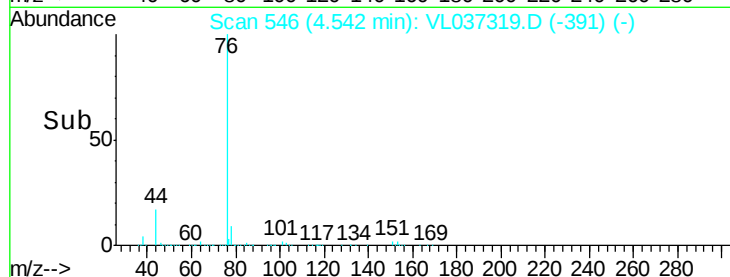
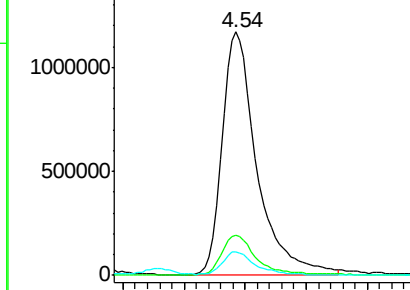
Tot Ion	Ratio	Lower	Upper
76	100		
44	16.5	13.1	19.7
78	9.6	8.0	12.0

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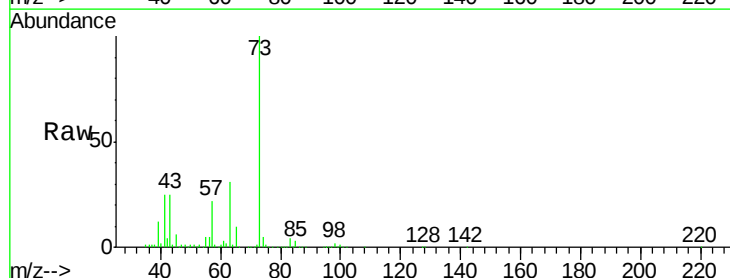


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

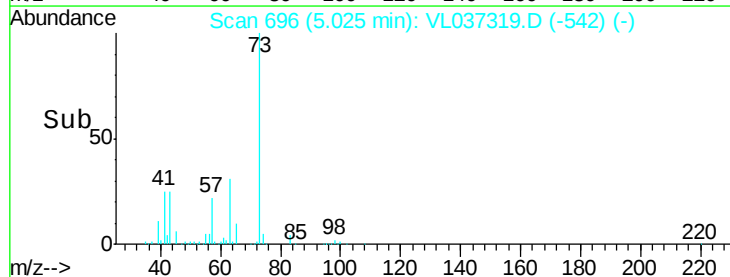
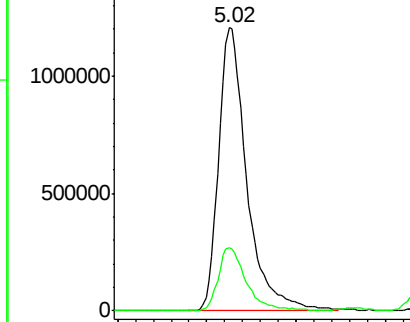


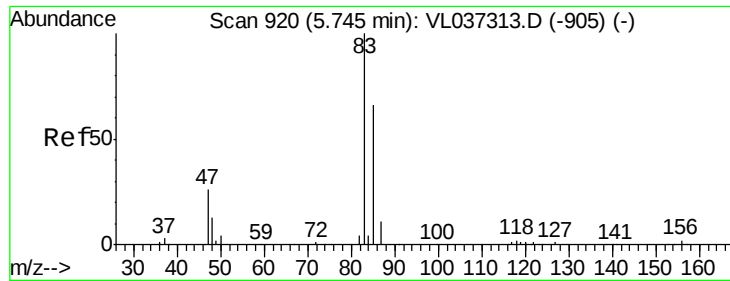
#28
Methyl tert-Butyl Ether
Concen: 13.407 ppbv
RT: 5.02 min Scan# 696
Delta R.T. -0.01 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.2	27.4



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





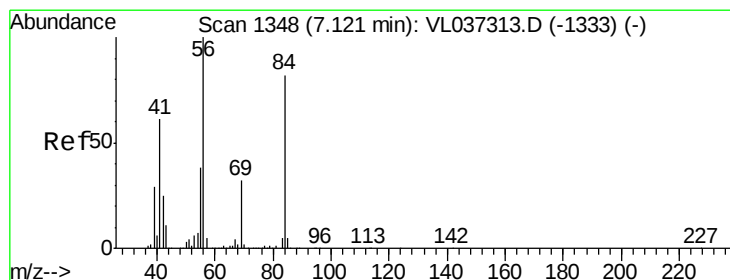
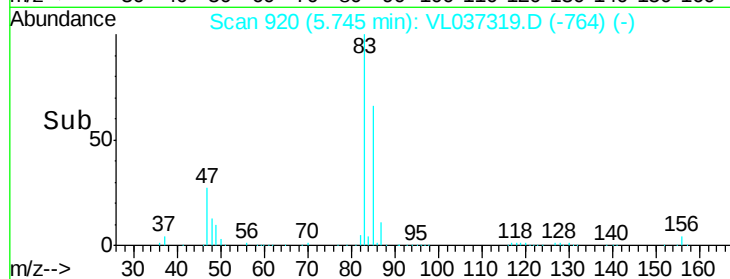
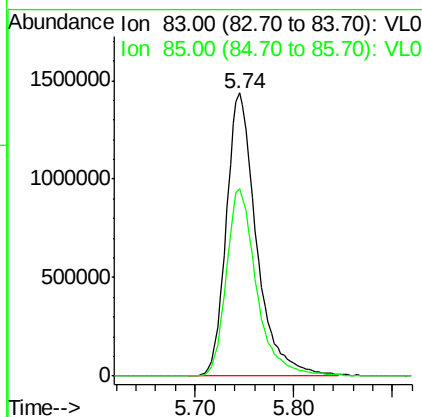
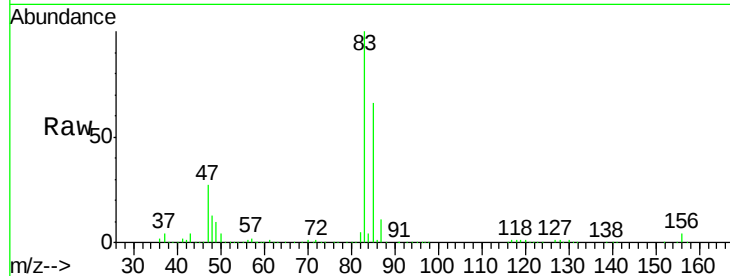
#29
Chloroform
Concen: 12.438 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 3080352
Ion Ratio Lower Upper
83 100
85 66.1 52.6 79.0

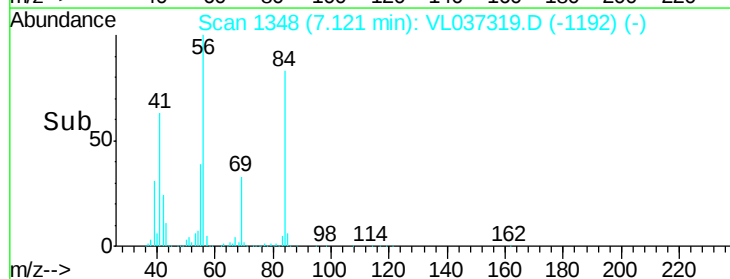
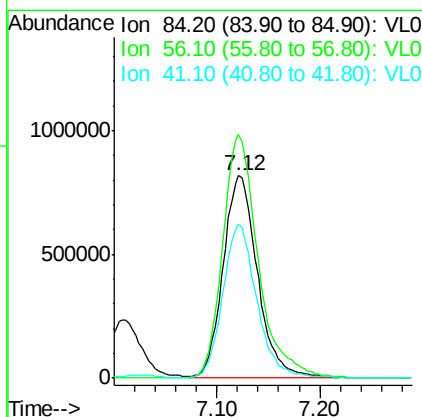
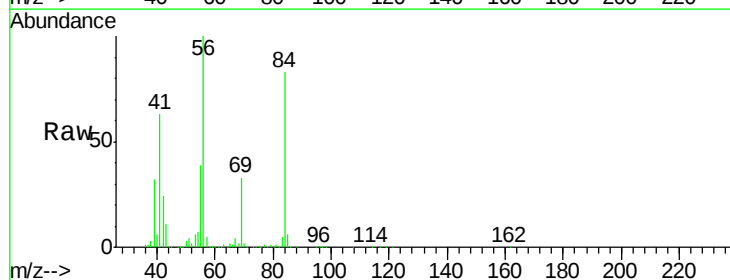
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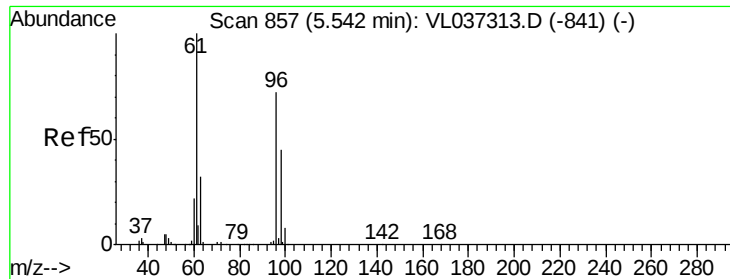
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#30
Cyclohexane
Concen: 14.008 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Tgt Ion: 84 Resp: 1885459
Ion Ratio Lower Upper
84 100
56 125.8 105.2 157.8
41 76.0 61.3 91.9





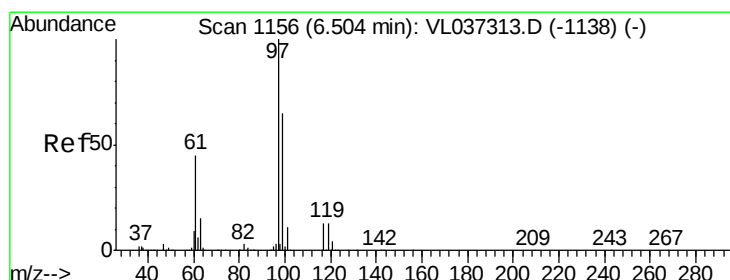
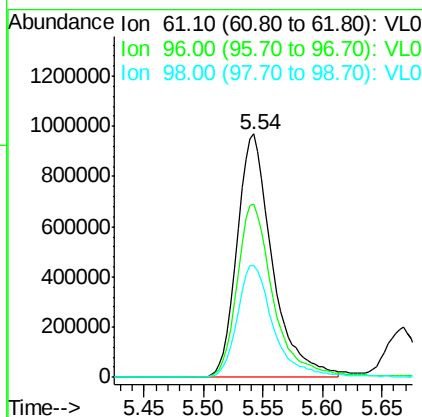
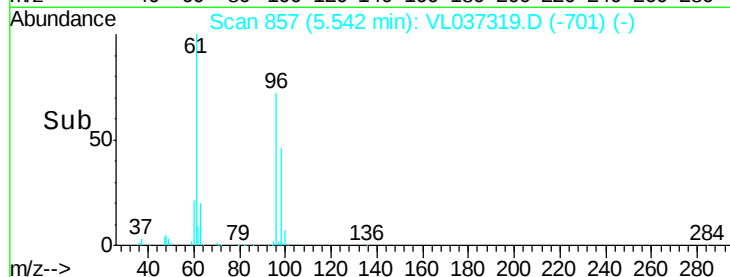
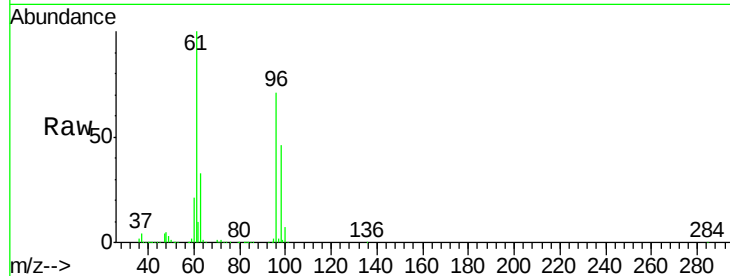
#31
 cis-1,2-Dichloroethene
 Concen: 14.581 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VL037319.D
 Acq: 4 Aug 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
61	100		
96	71.3	57.4	86.0
98	45.8	36.3	54.5

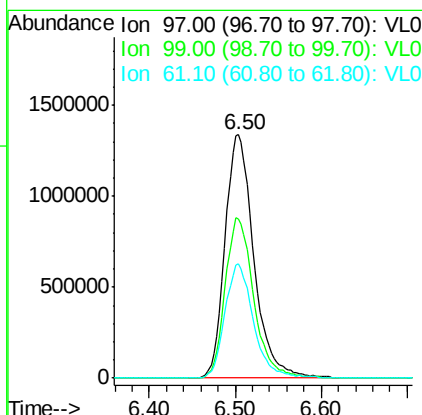
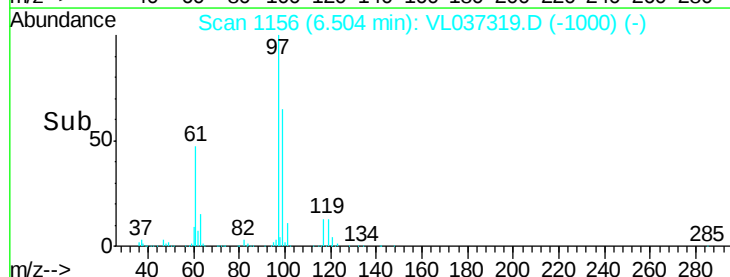
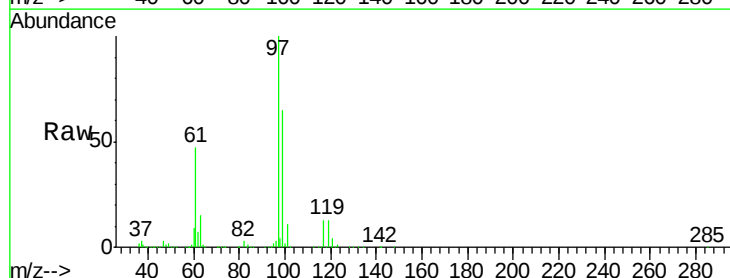
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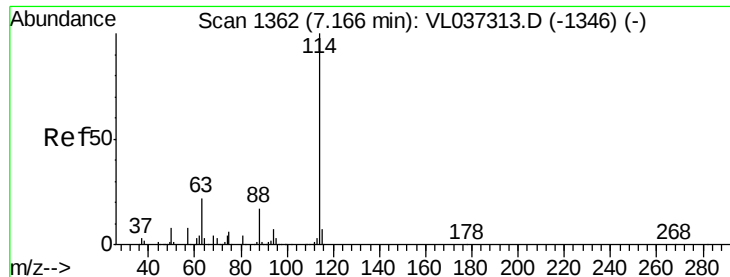
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#32
 1,1,1-Trichloroethane
 Concen: 14.173 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VL037319.D
 Acq: 4 Aug 2021 21:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.3	78.5
61	46.5	37.2	55.8





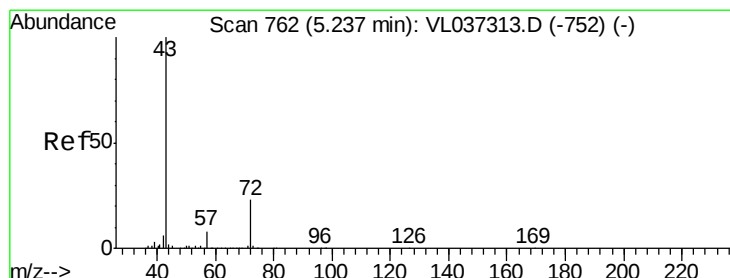
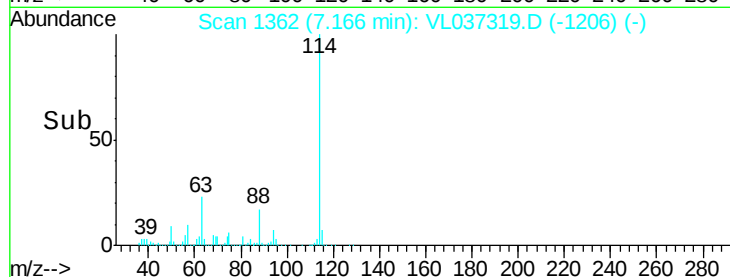
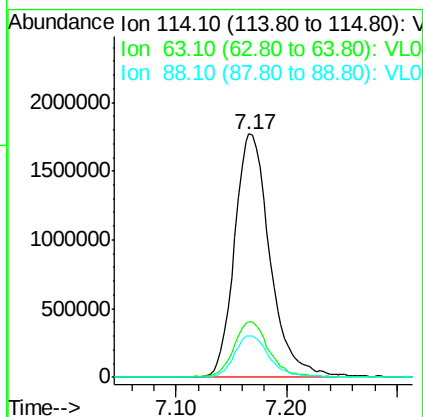
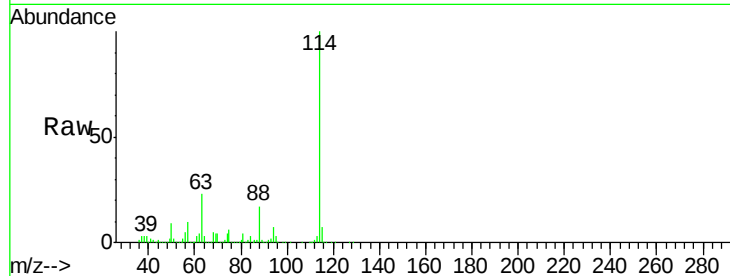
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VL037319.D
 Acq: 4 Aug 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.0	18.1	27.1
88	17.1	13.8	20.8

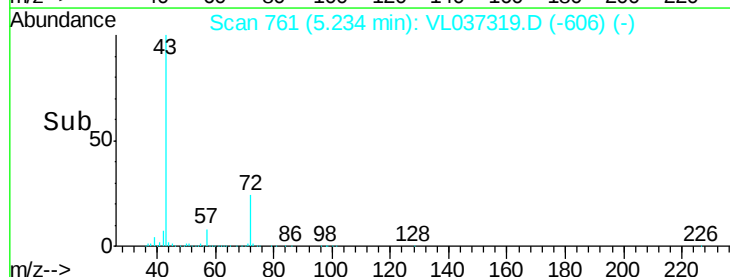
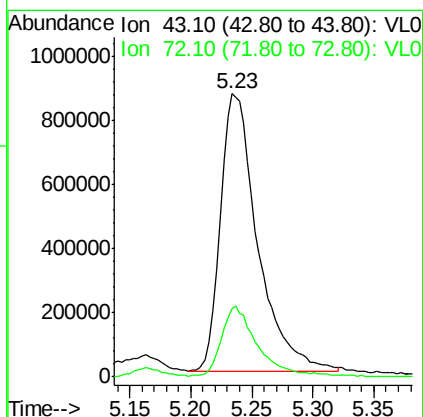
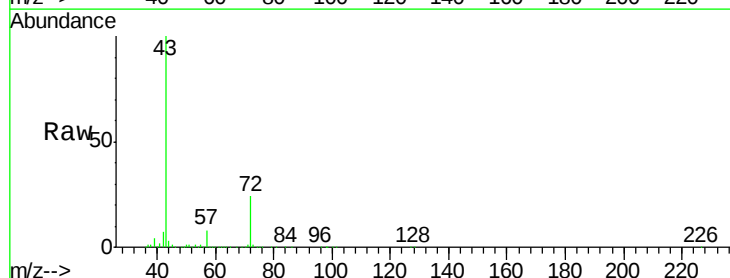
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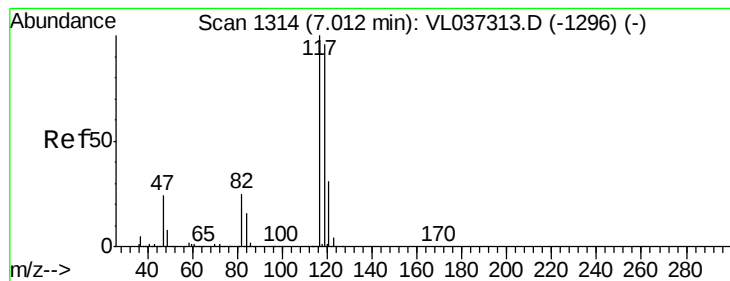
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#34
 2-Butanone
 Concen: 13.285 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VL037319.D
 Acq: 4 Aug 2021 21:19

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.4	20.3	30.5





#35

Carbon Tetrachloride

Concen: 13.409 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:117 Resp: 3266015

Ion Ratio Lower Upper

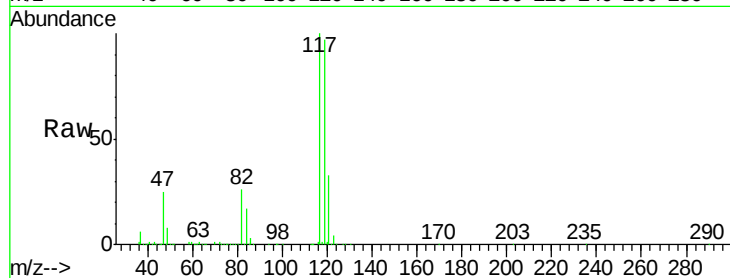
117 100

119 97.0 76.6 114.8

121 32.6 24.9 37.3

Manual Integrations
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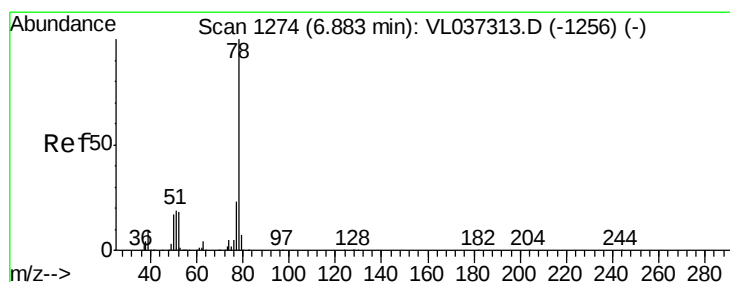
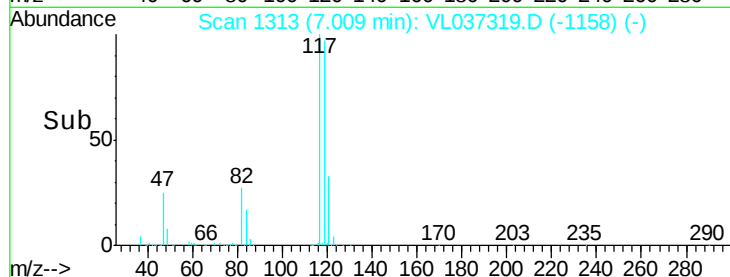
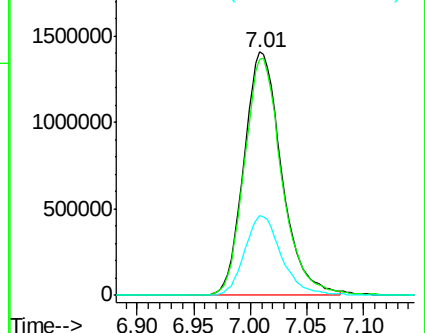
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 12.228 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

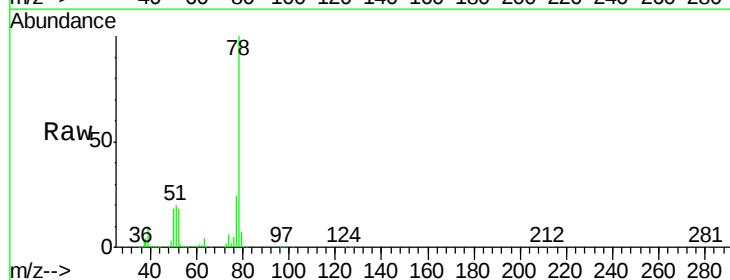
Tgt Ion: 78 Resp: 4381592

Ion Ratio Lower Upper

78 100

77 24.0 18.7 28.1

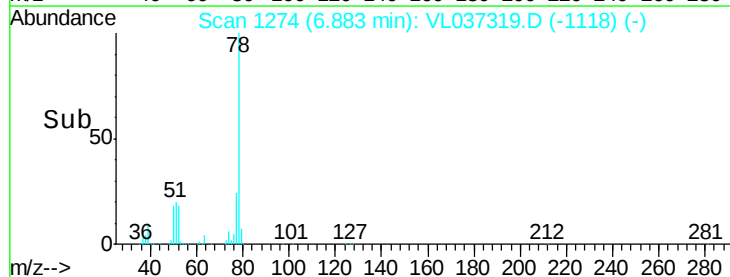
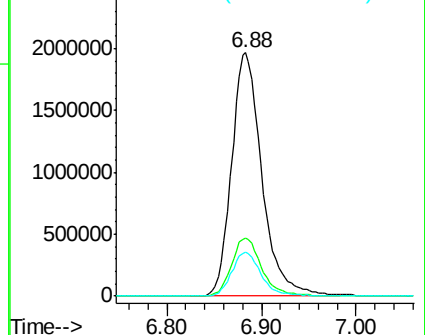
50 18.2 13.7 20.5

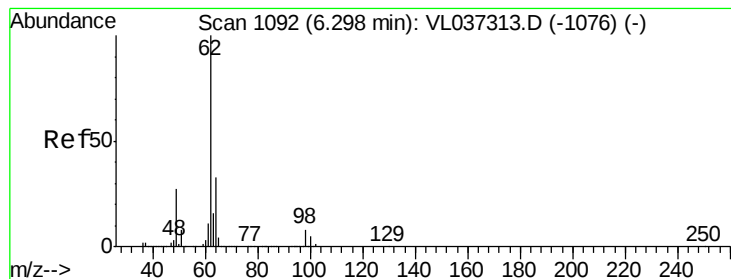


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 13.240 ppbv

RT: 6.30 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 2214167

Ion Ratio Lower Upper

62 100

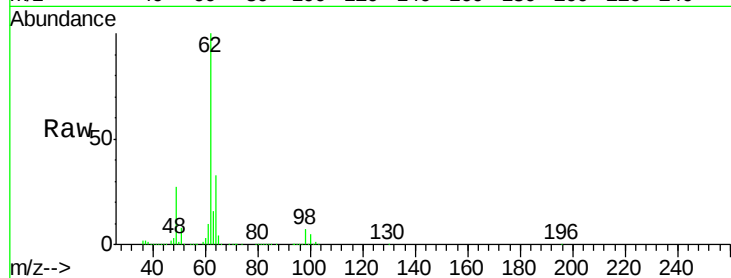
98 7.6 6.3 9.5

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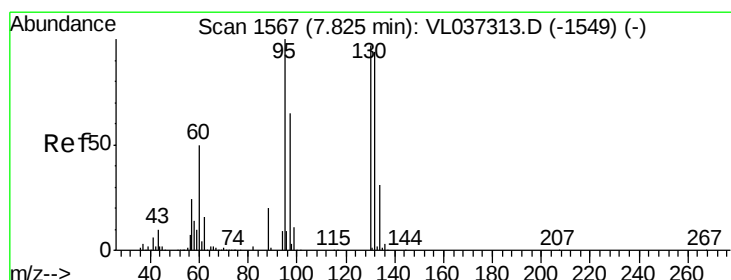
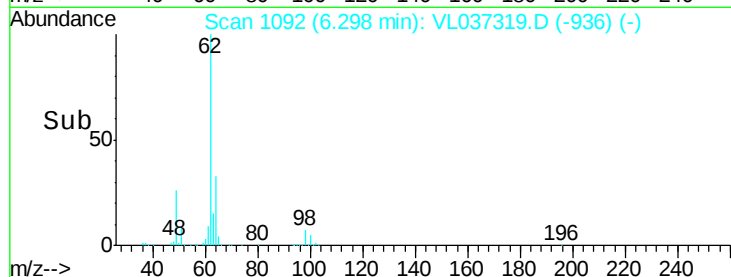
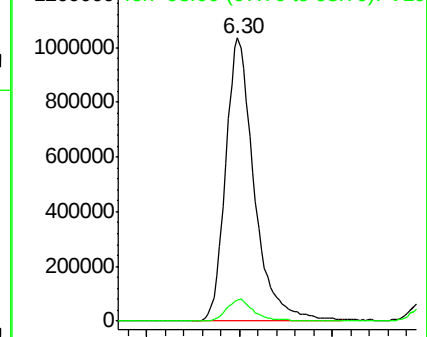
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 12.115 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Tgt Ion:130 Resp: 1867251

Ion Ratio Lower Upper

130 100

95 103.9 82.8 124.2

132 95.9 78.2 117.4

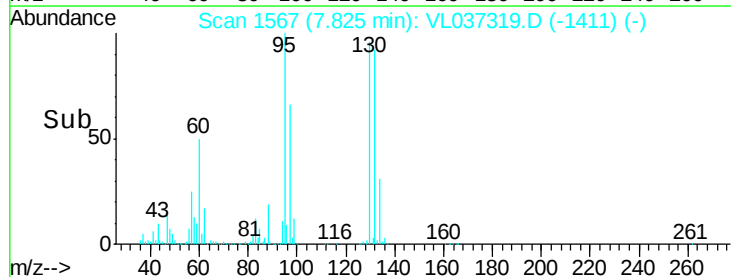
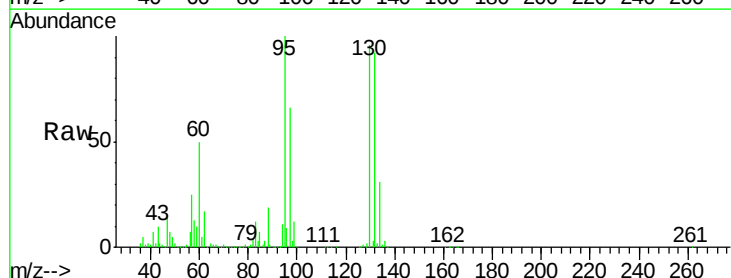
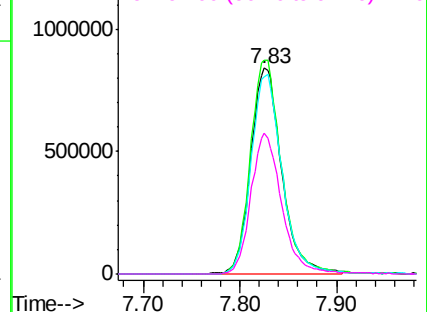
97 68.4 54.2 81.2

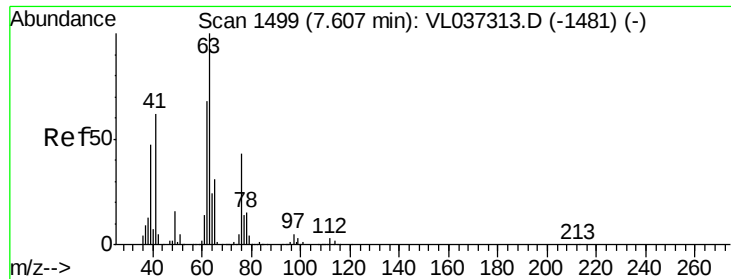
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 14.399 ppbv

RT: 7.60 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 63 Resp: 1668442

Ion Ratio Lower Upper

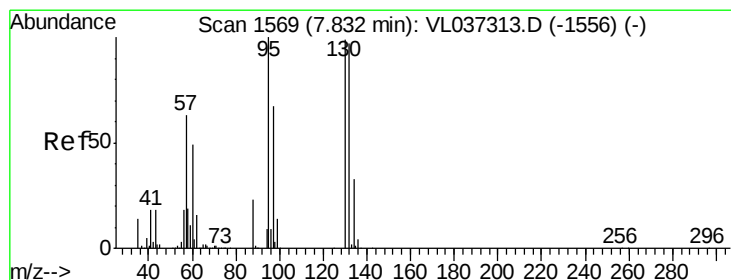
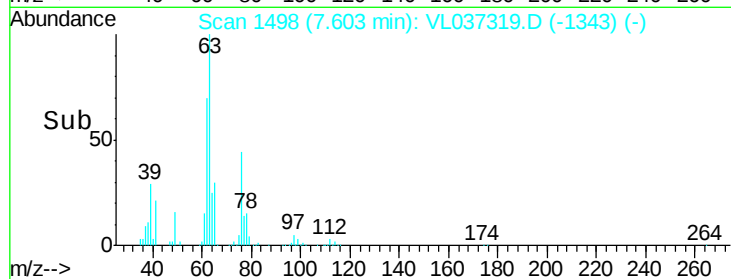
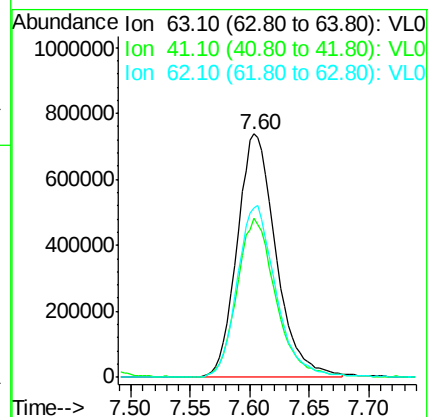
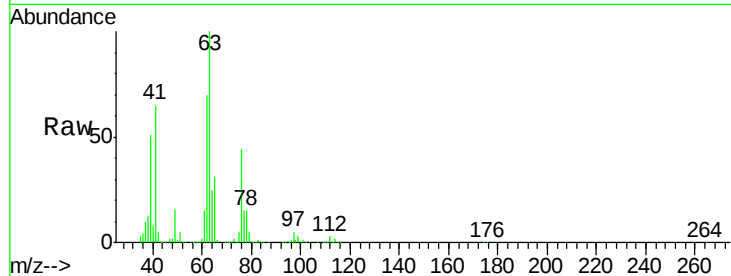
63 100

41 65.0 49.2 73.8

62 69.5 54.2 81.4

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#40

1,4-Dioxane

Concen: 22.244 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Tgt Ion: 88 Resp: 395074

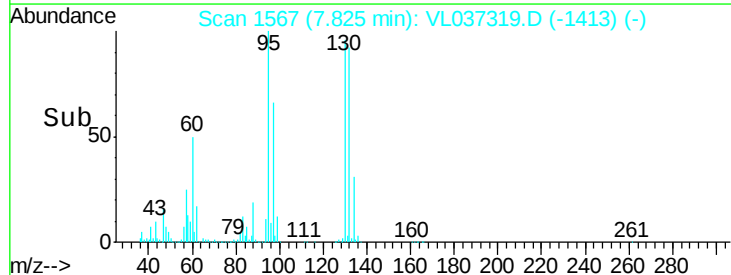
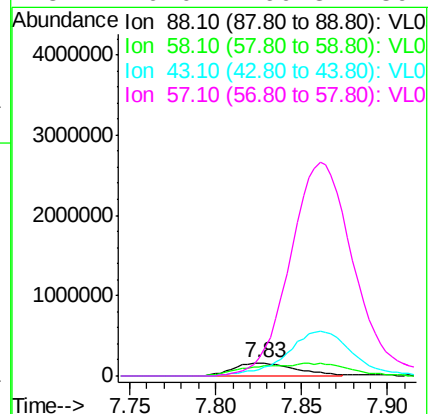
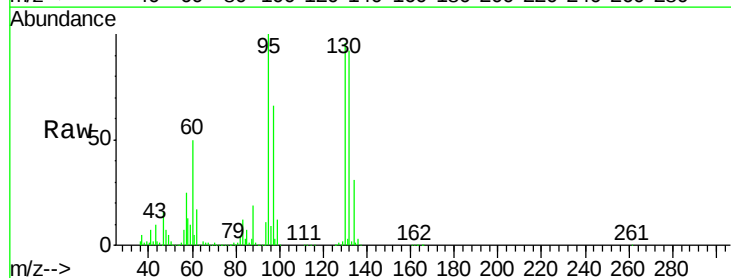
Ion Ratio Lower Upper

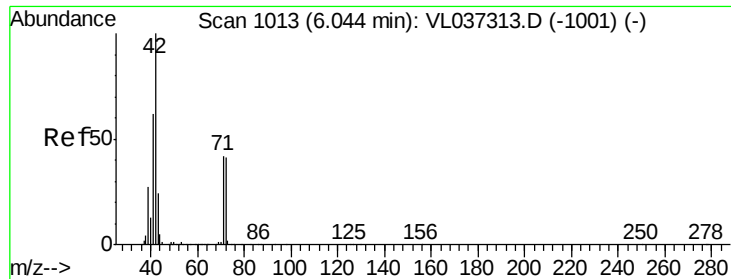
88 100

58 0.0 117.5 176.3#

43 0.0 271.0 406.4#

57 0.0 1260.8 1891.2#





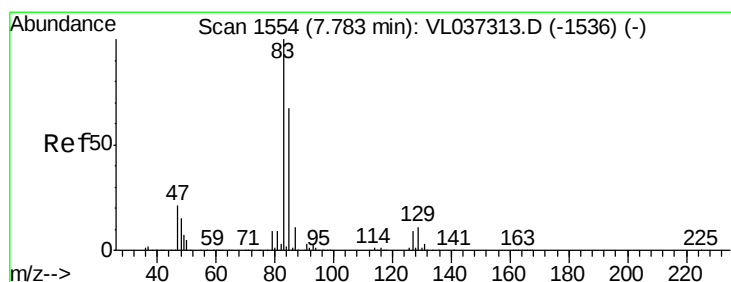
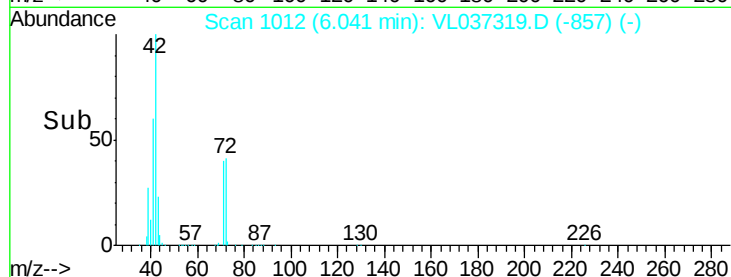
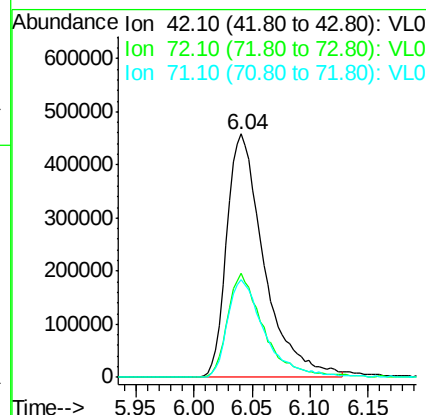
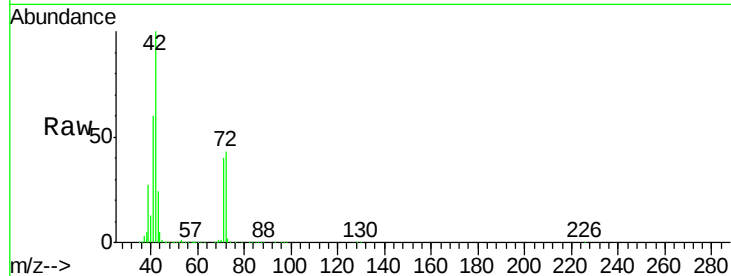
#41
Tetrahydrofuran
Concen: 17.546 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 42 Resp: 1022573
Ion Ratio Lower Upper
42 100
72 42.0 33.6 50.4
71 40.7 33.0 49.4

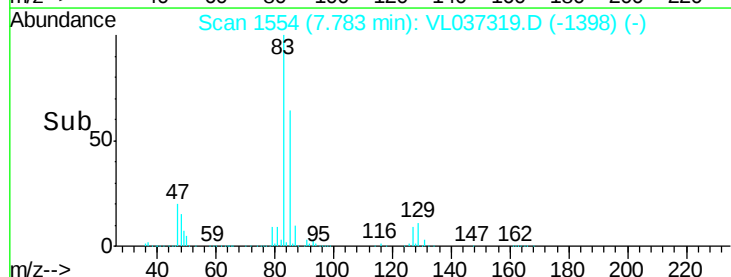
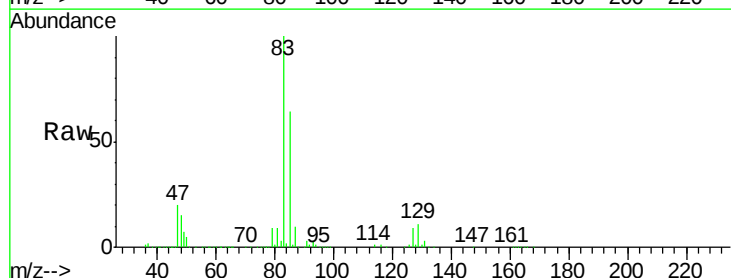
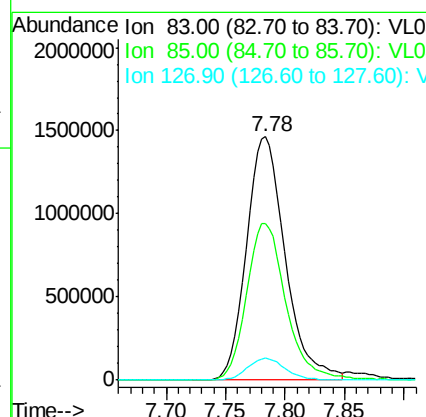
Manual Integrations
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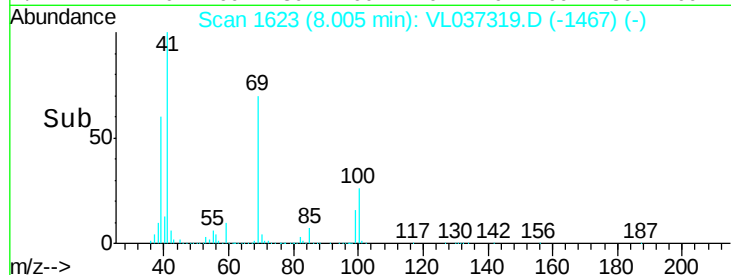
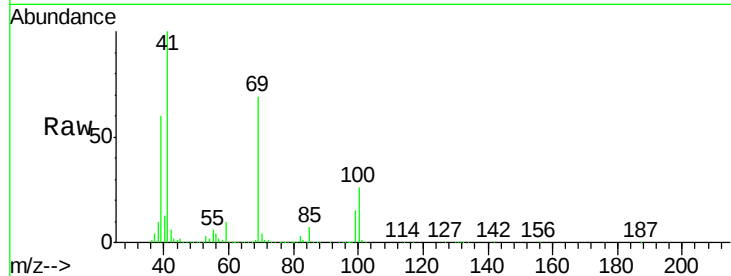
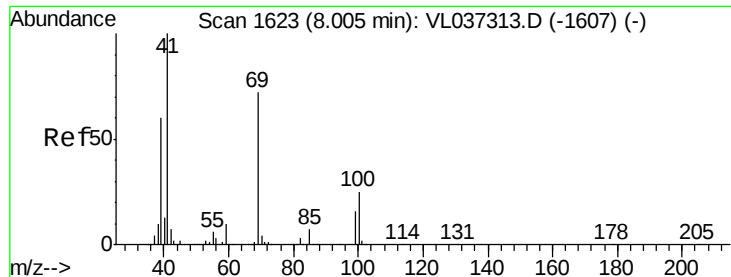
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#42
Bromodichloromethane
Concen: 13.197 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Tgt Ion: 83 Resp: 3307472
Ion Ratio Lower Upper
83 100
85 64.5 53.5 80.3
127 9.1 7.1 10.7





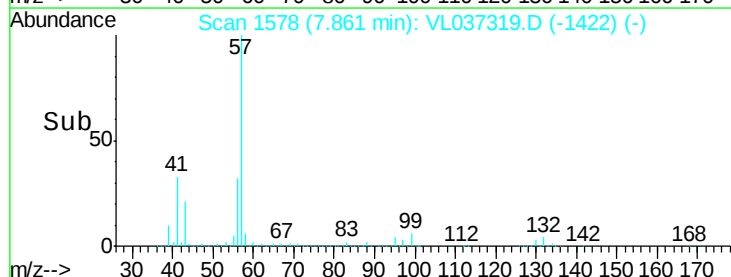
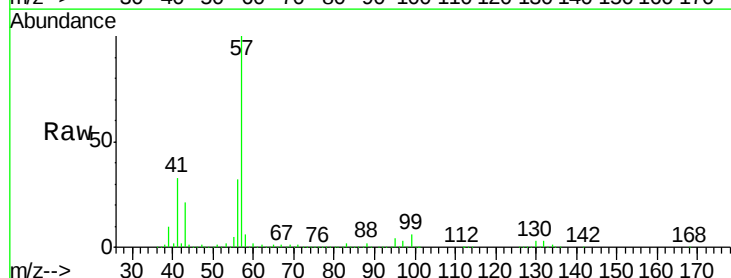
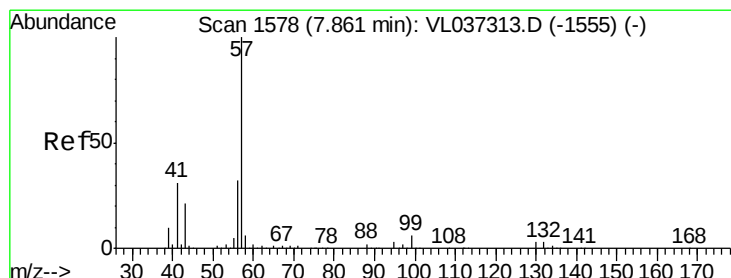
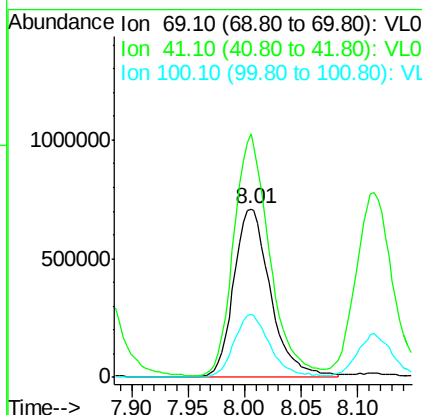
#43
Methvl Methacrilate
Concen: 14.608 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. 0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Tot Ion: 69 Resp: 1617339
Ion Ratio Lower Upper
69 100
41 140.6 114.6 172.0
100 36.7 29.4 44.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

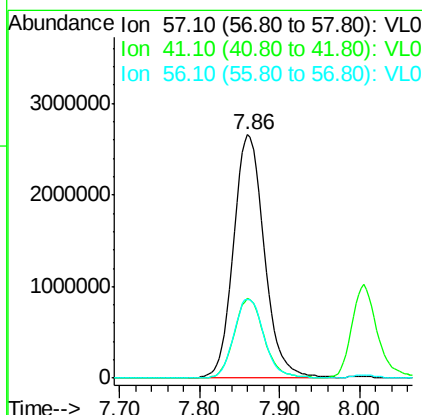
Manual Integrations
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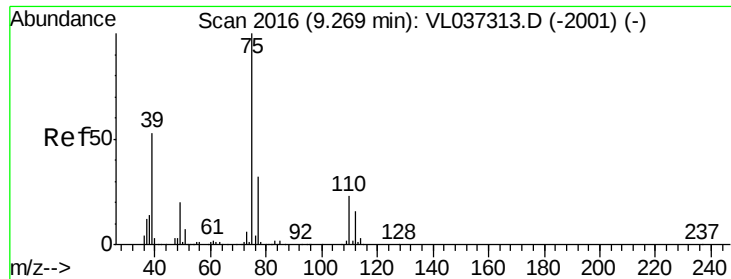
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#44
2,2,4-Trimethylpentane
Concen: 11.681 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Tgt Ion: 57 Resp: 6925043
Ion Ratio Lower Upper
57 100
41 31.6 24.3 36.5
56 32.0 25.0 37.6





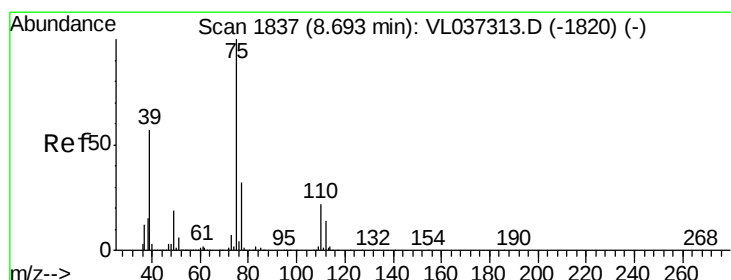
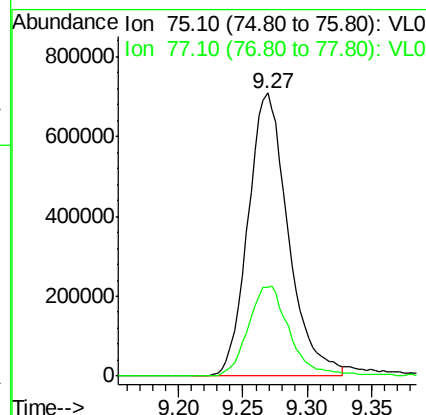
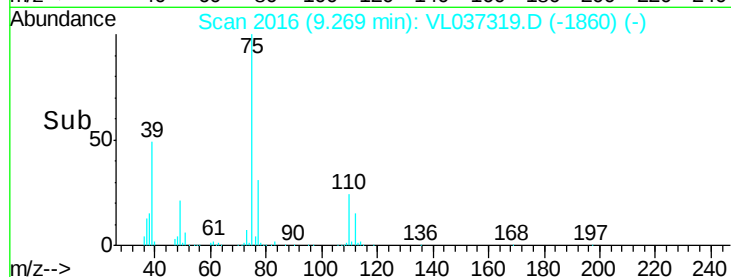
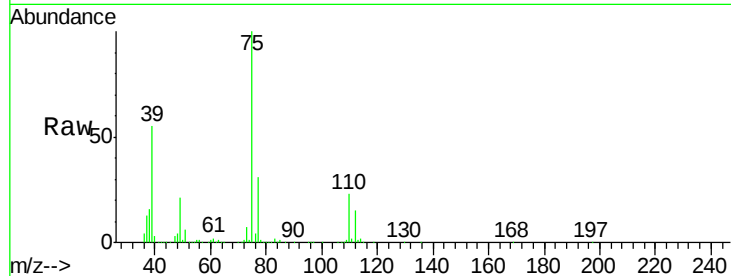
#45
t-1,3-Dichloropropene
Concen: 17.148 ppbv
RT: 9.27 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 75 Resp: 1538613
Ion Ratio Lower Upper
75 100
77 31.4 25.7 38.5

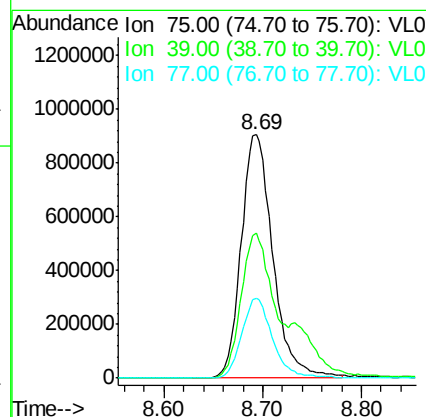
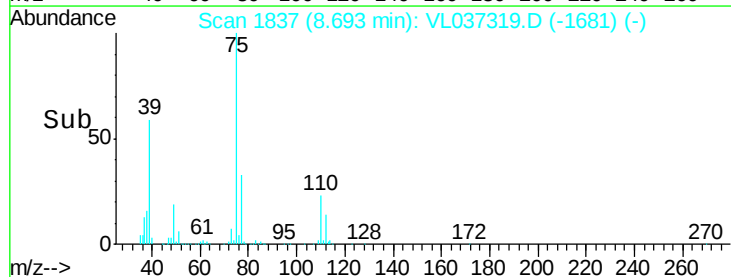
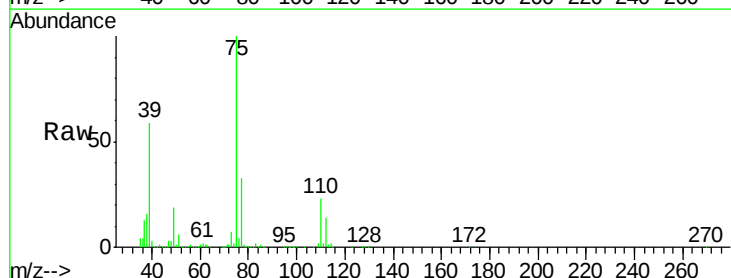
Manual Integrations
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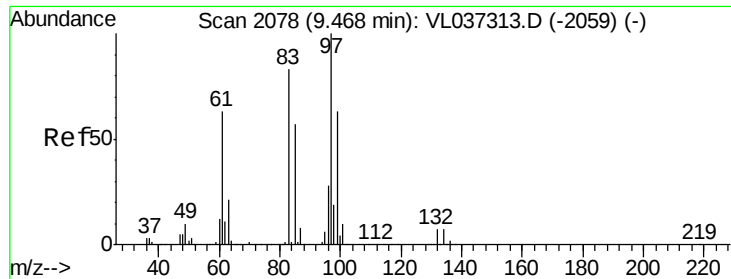
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#46
cis-1,3-Dichloropropene
Concen: 14.508 ppbv
RT: 8.69 min Scan# 1837
Delta R.T. 0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Tgt Ion: 75 Resp: 2012026
Ion Ratio Lower Upper
75 100
39 59.2 45.6 68.4
77 32.6 25.4 38.0





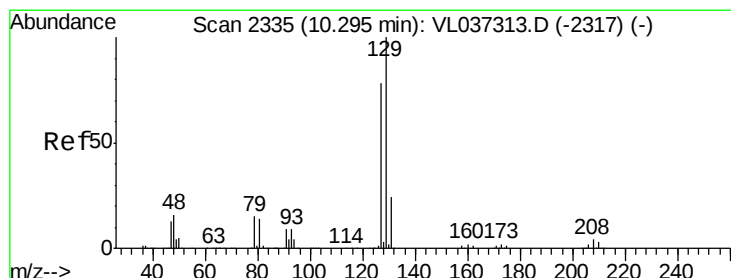
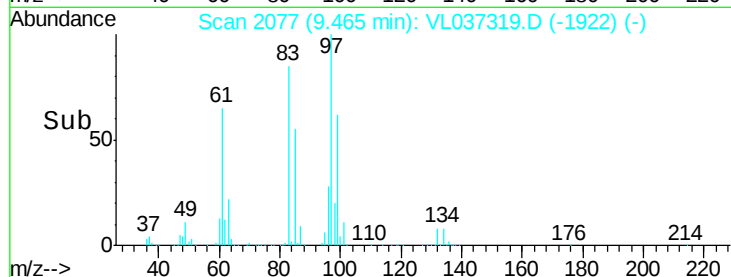
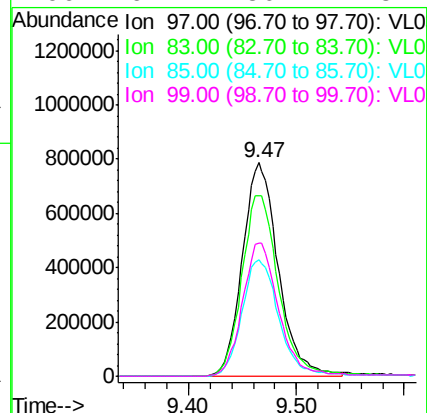
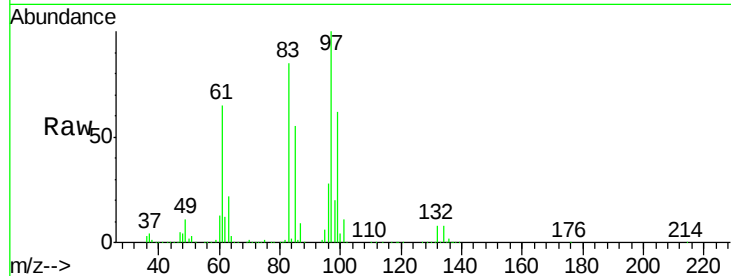
#47
 1,1,2-Trichloroethane
 Concen: 14.477 ppbv
 RT: 9.47 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: VL037319.D
 Acq: 4 Aug 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.6	66.0	99.0
85	54.6	45.7	68.5
99	62.4	50.2	75.4

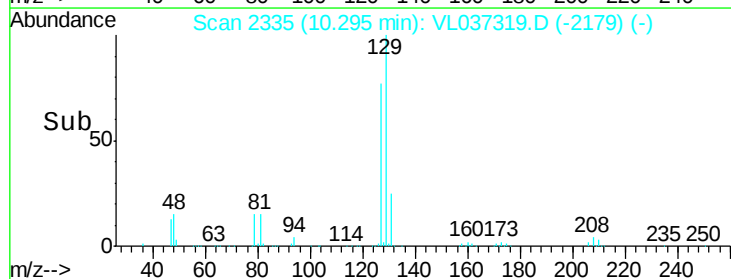
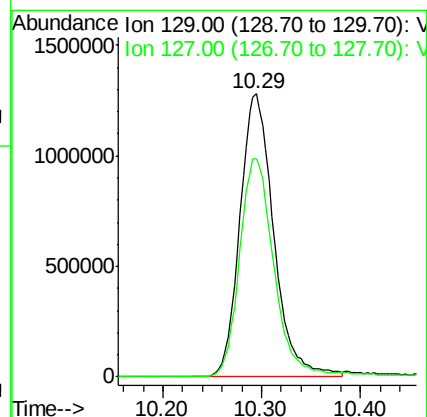
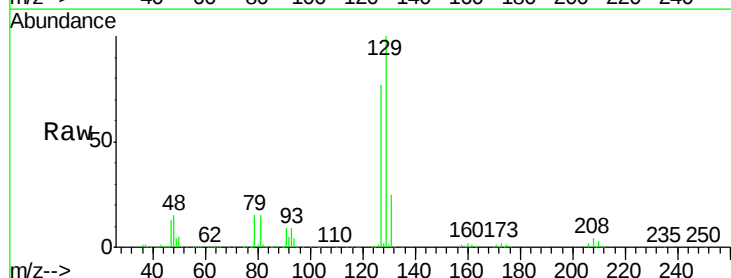
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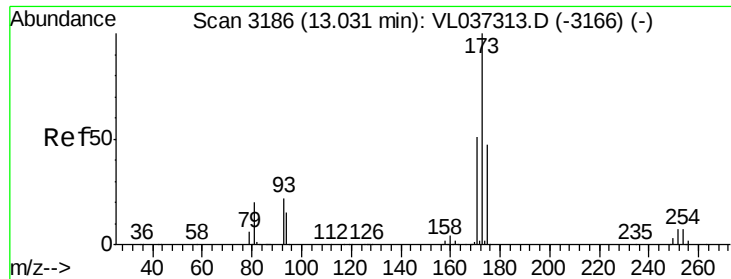
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#48
 Dibromochloromethane
 Concen: 14.218 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. 0.00 min
 Lab File: VL037319.D
 Acq: 4 Aug 2021 21:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.4	40.9	122.7





#49

Bromoform

Concen: 14.394 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:173 Resp: 2365753

Ion Ratio Lower Upper

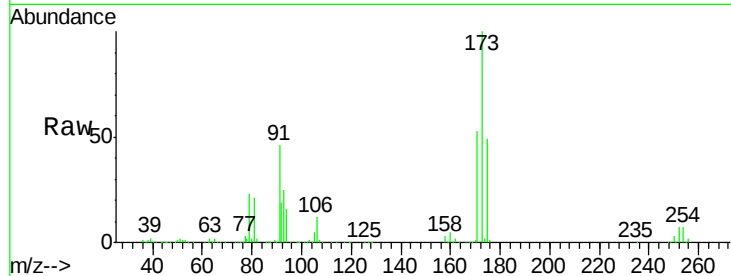
173 100

175 52.3 42.3 63.5

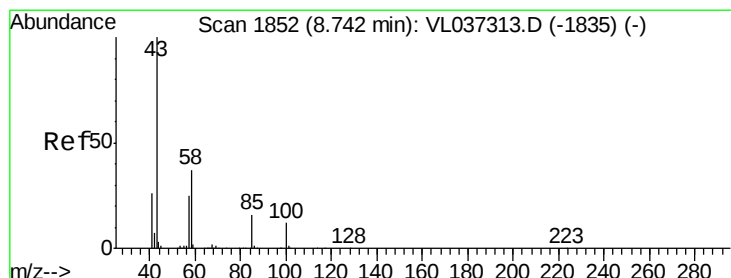
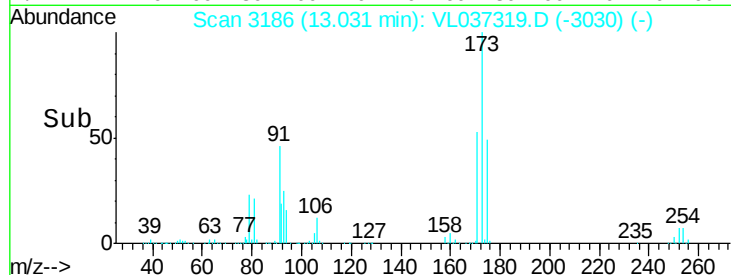
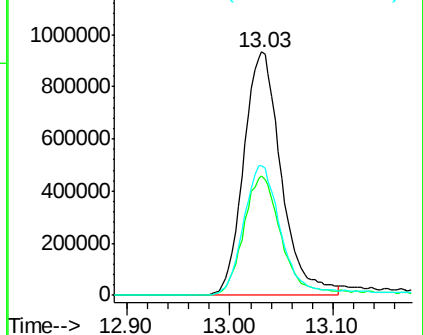
171 56.5 44.9 67.3

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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: 14.069 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VL037319.D

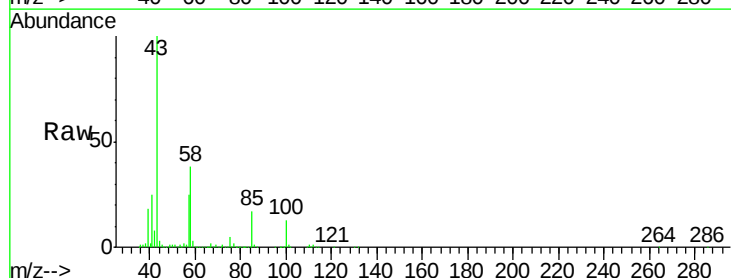
Acq: 4 Aug 2021 21:19

Tgt Ion: 43 Resp: 2814057

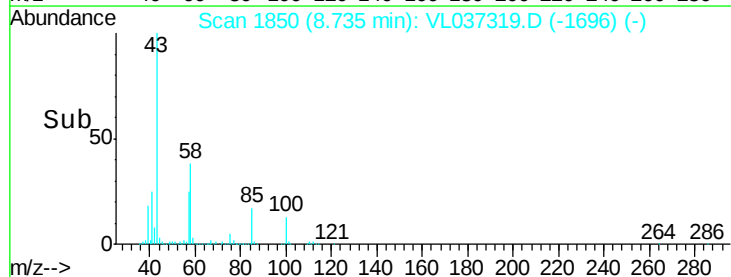
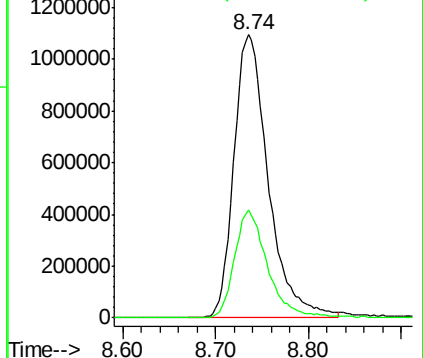
Ion Ratio Lower Upper

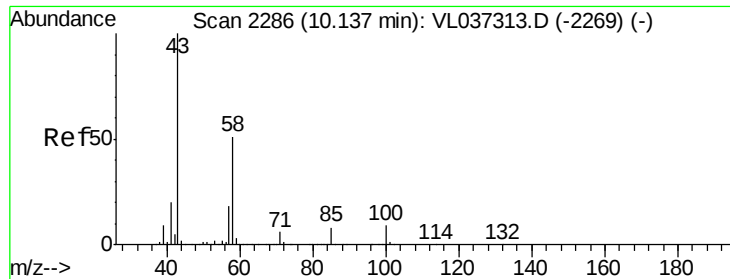
43 100

58 37.3 31.0 46.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 21.062 ppbv

RT: 10.13 min Scan# 2284

Delta R.T. -0.01 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 1406585

Ion Ratio Lower Upper

43 100

58 51.6 40.9 61.3

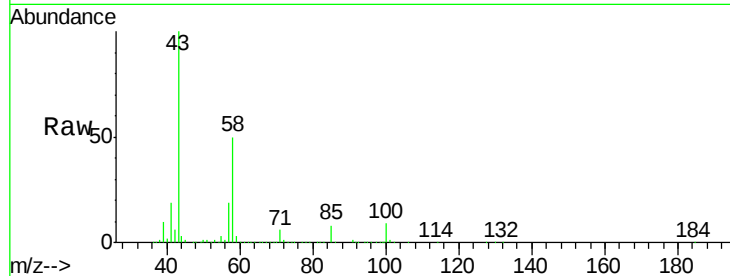
98 0.1 0.1 0.1#

Manual Integrations

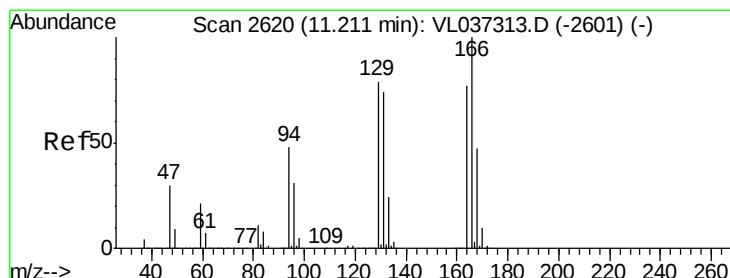
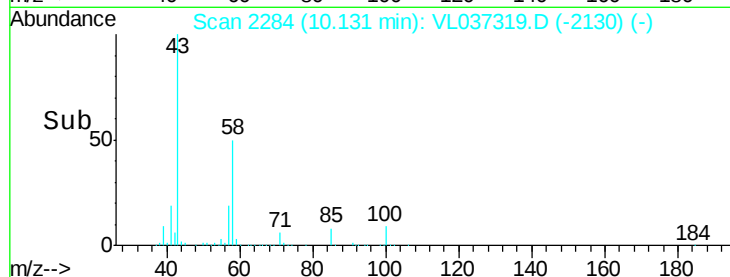
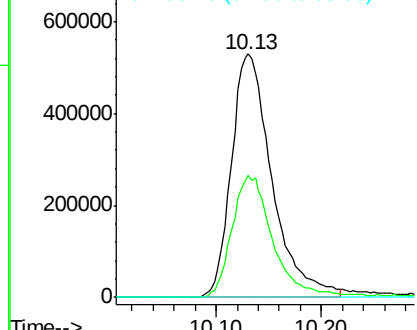
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 14.071 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Tgt Ion:164 Resp: 1818188

Ion Ratio Lower Upper

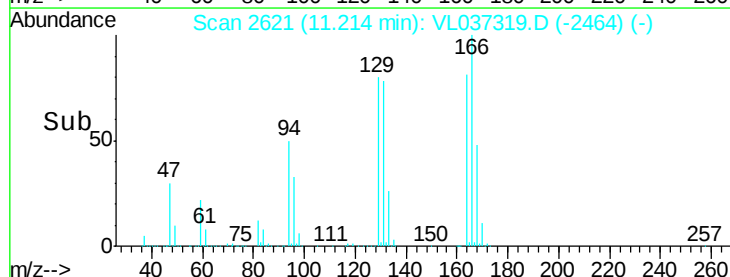
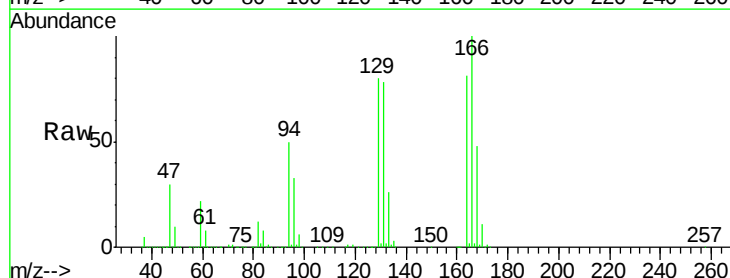
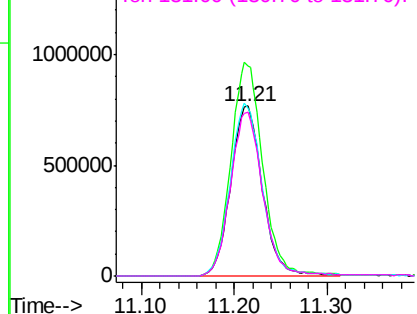
164 100

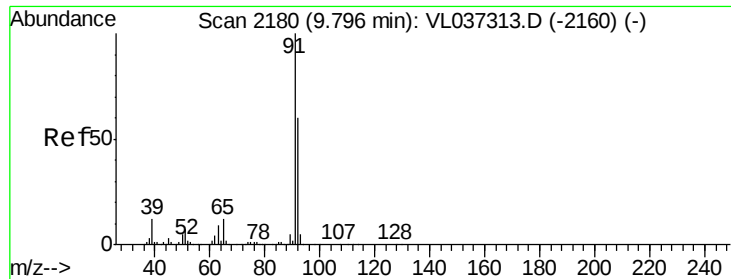
166 123.3 103.4 155.2

129 98.3 82.2 123.2

131 96.6 76.6 114.8

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 12.415 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 5257890

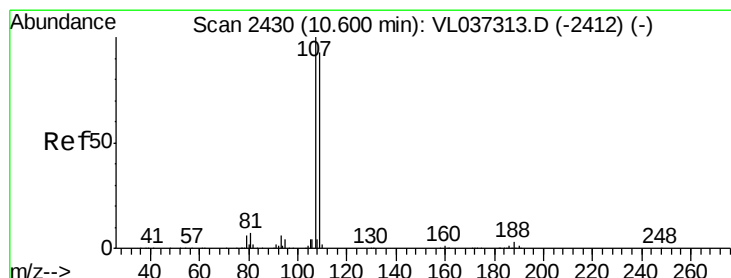
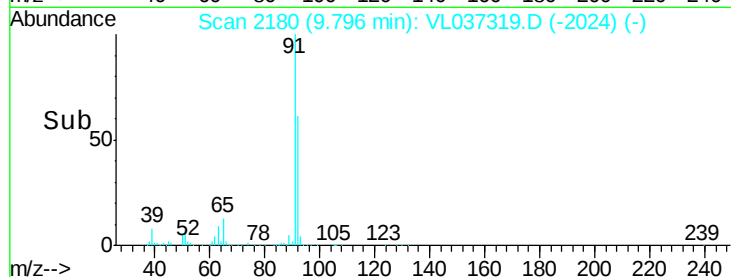
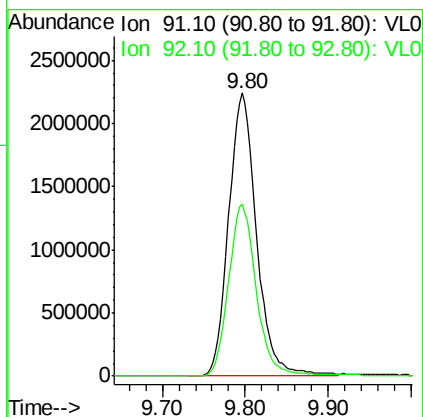
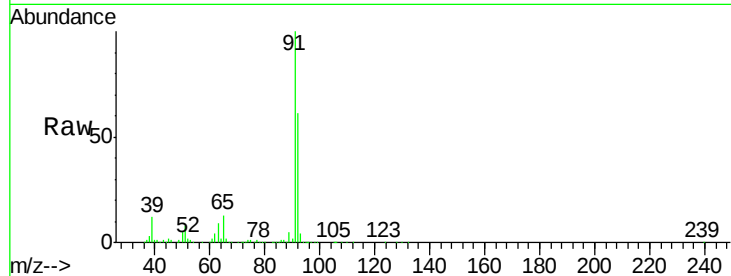
Ion Ratio Lower Upper

91 100

92 60.4 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 14.484 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VL037319.D

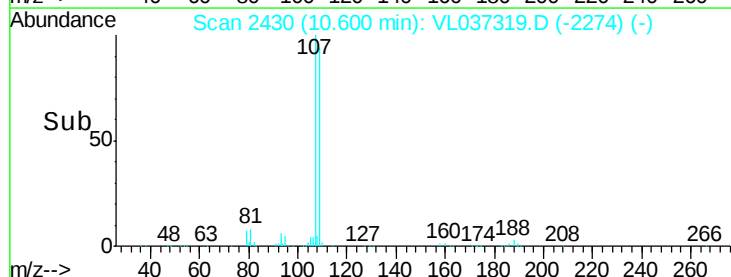
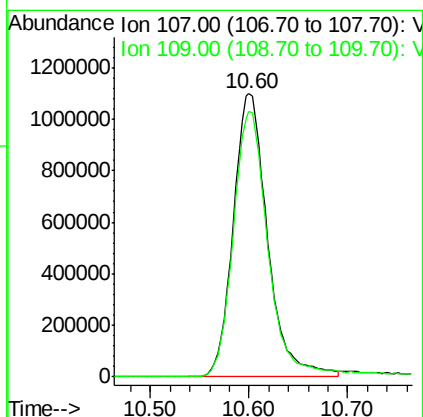
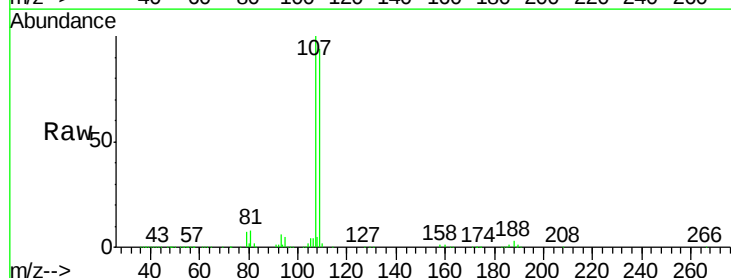
Acq: 4 Aug 2021 21:19

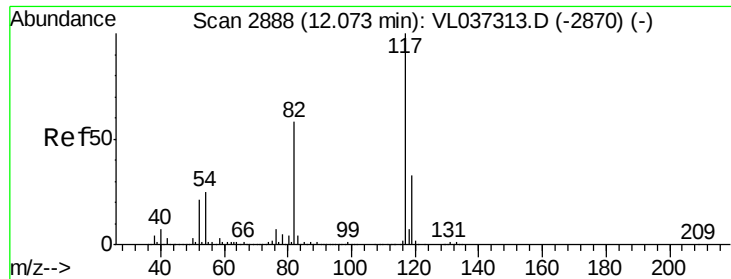
Tgt Ion: 107 Resp: 2653805

Ion Ratio Lower Upper

107 100

109 93.9 74.8 112.2





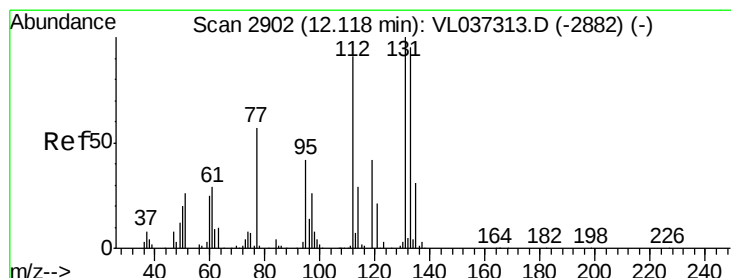
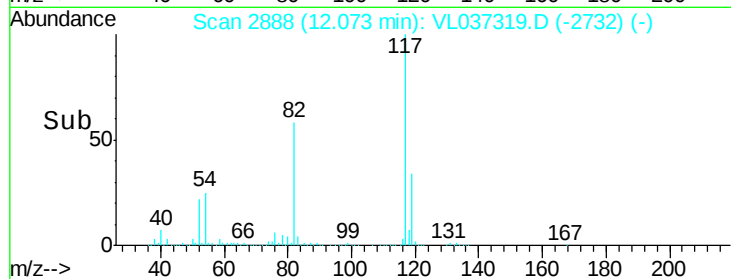
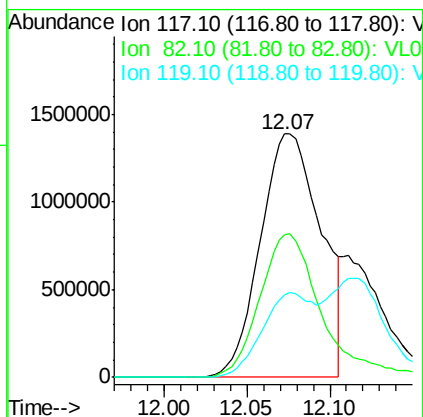
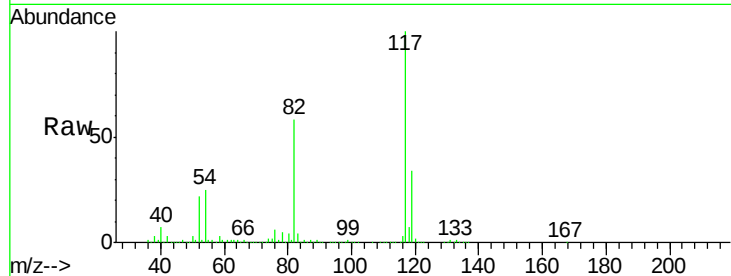
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. 0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.4	50.3	75.5
119	0.0	48.2	72.2#

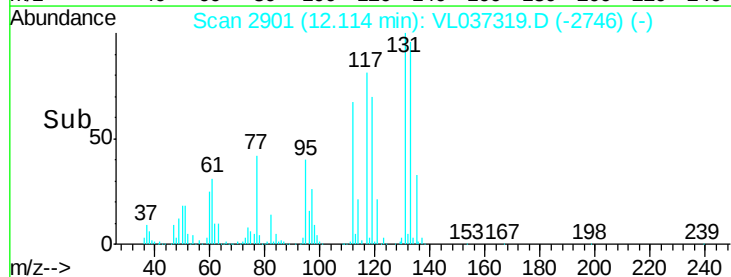
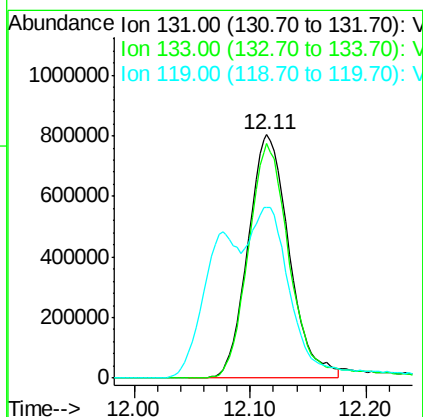
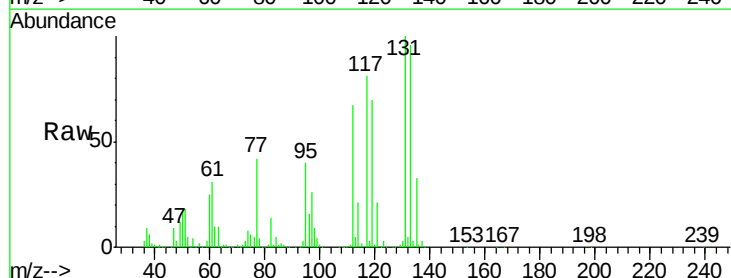
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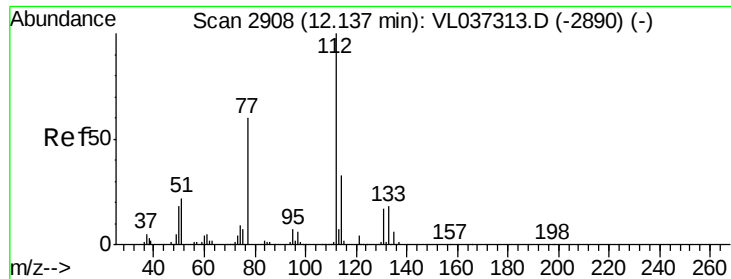
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#56
1,1,1,2-Tetrachloroethane
Concen: 12.848 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	101.8	83.0	124.4
119	130.8	130.4	195.6





#57

Chlorobenzene

Concen: 12.640 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:112 Resp: 3785884

Ion Ratio Lower Upper

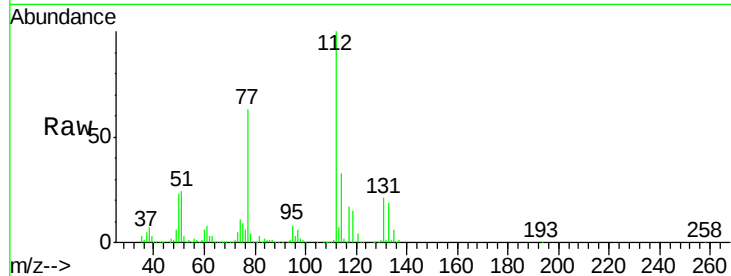
112 100

77 62.1 47.8 71.6

114 32.9 29.8 36.4

Manual Integrations
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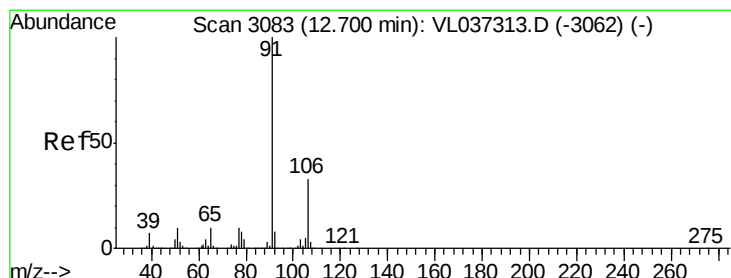
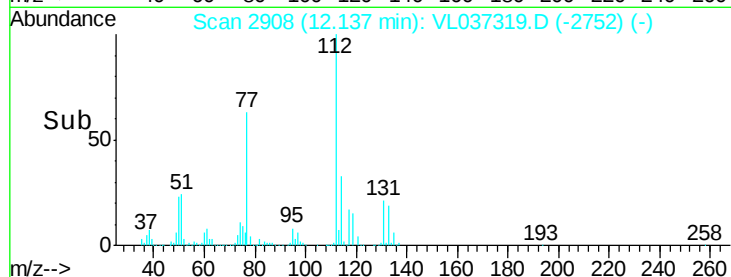
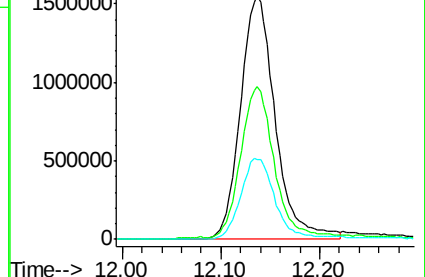
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 12.367 ppbv

RT: 12.70 min Scan# 3083

Delta R.T. 0.00 min

Lab File: VL037319.D

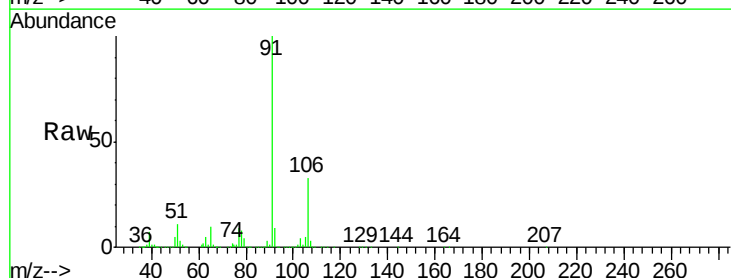
Acq: 4 Aug 2021 21:19

Tgt Ion: 91 Resp: 6428644

Ion Ratio Lower Upper

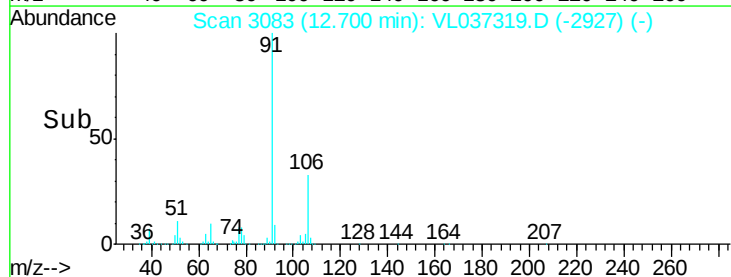
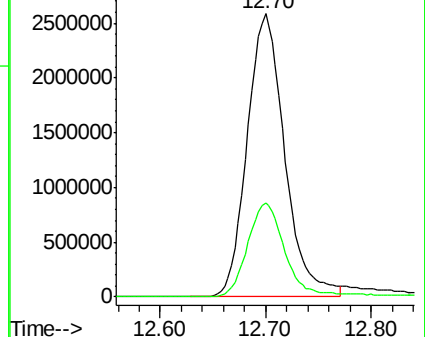
91 100

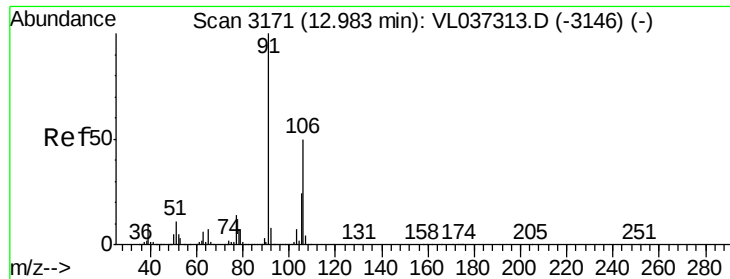
106 33.4 26.2 39.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





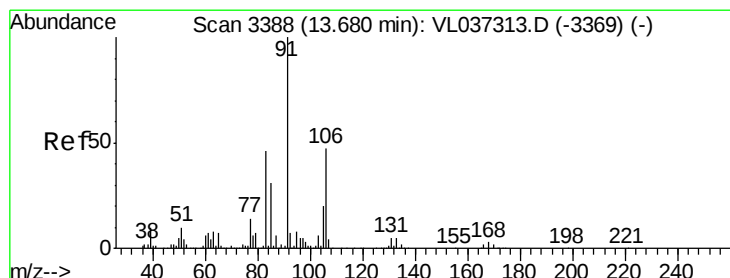
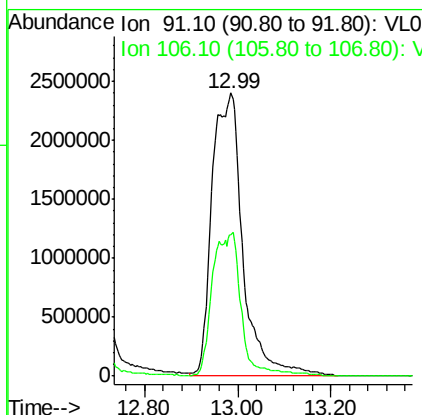
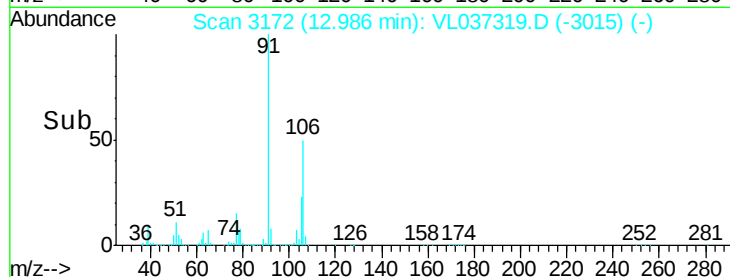
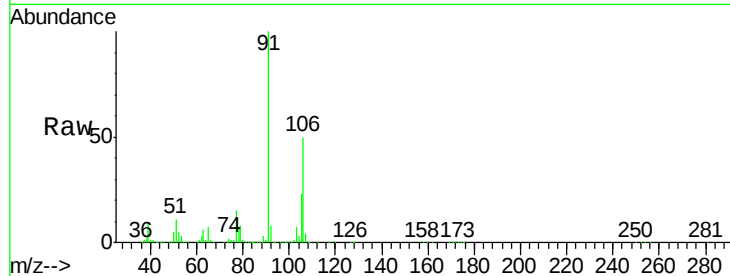
#59
m/p-Xylene
Concen: 38.938 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp: 11102077
Ion Ratio Lower Upper
91 100
106 47.3 37.8 56.8

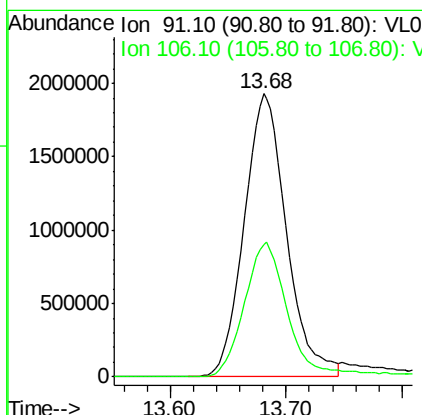
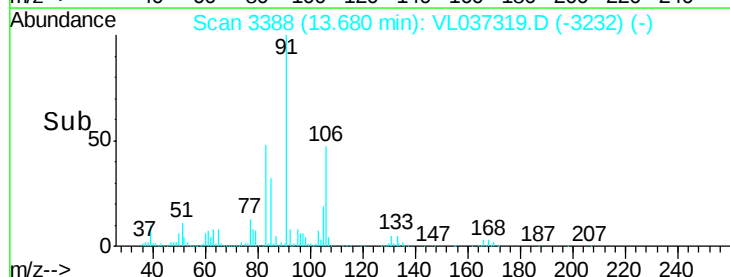
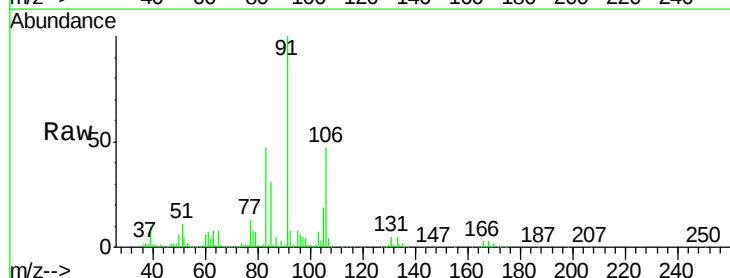
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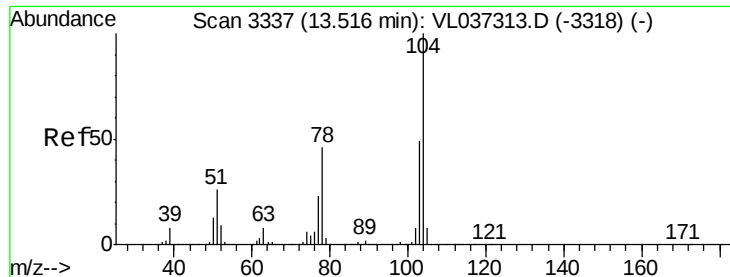
MMDadoda
8/5/2021 1:40:21 PM



#60
o-Xylene
Concen: 12.130 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Tgt Ion: 91 Resp: 4876365
Ion Ratio Lower Upper
91 100
106 50.4 26.3 78.8





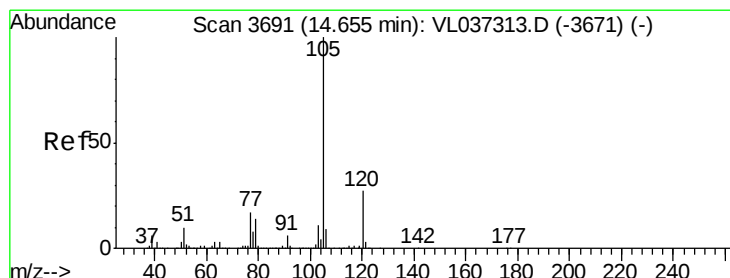
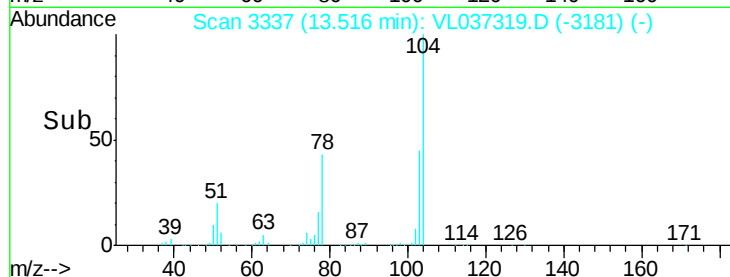
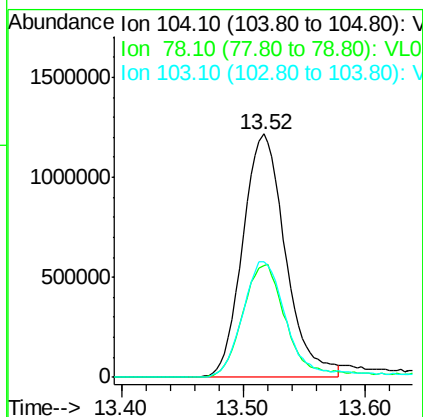
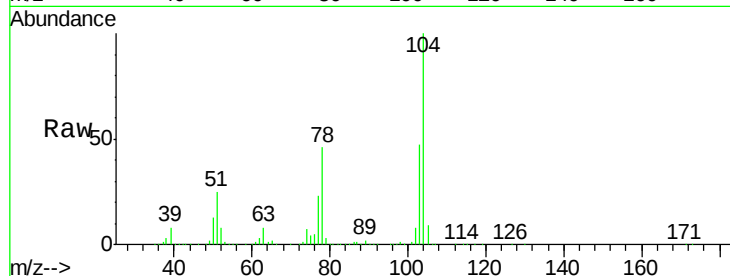
#61
Stvrene
Concen: 13.378 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.3	58.9
103	50.1	40.6	60.8

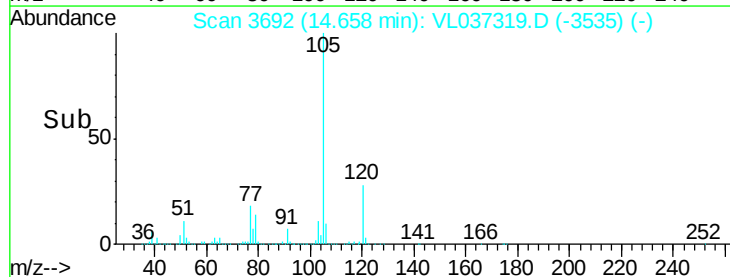
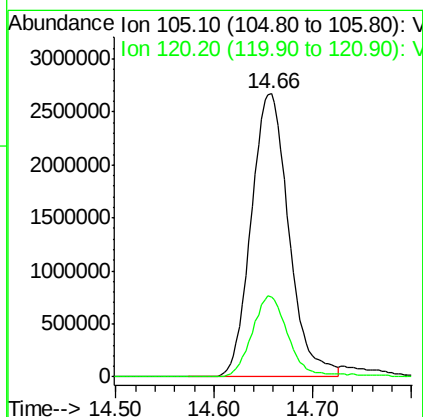
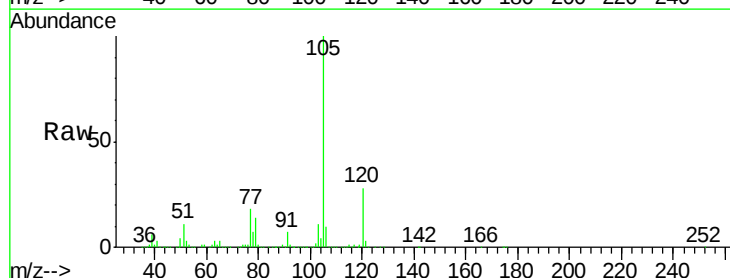
Manual Integrations
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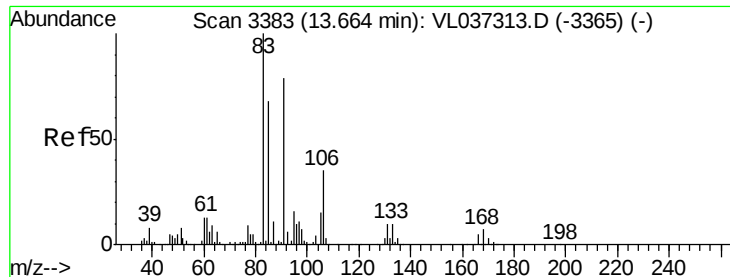
MMDadoda
8/5/2021 1:40:21 PM



#62
Isopropylbenzene
Concen: 13.644 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. 0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.2	23.0	34.6





#63

1,1,2,2-Tetrachloroethane

Concen: 14.370 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 83 Resp: 3440809

Ion Ratio Lower Upper

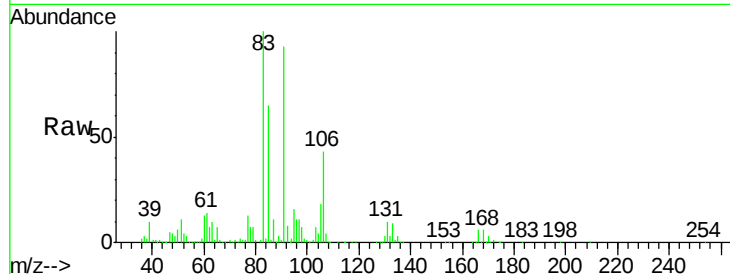
83 100

131 10.4 5.1 15.4

85 66.8 33.5 100.4

Manual Integrations
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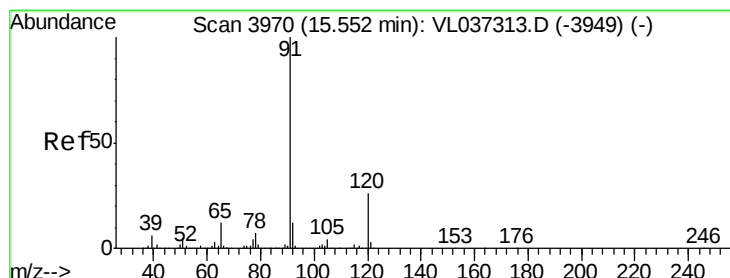
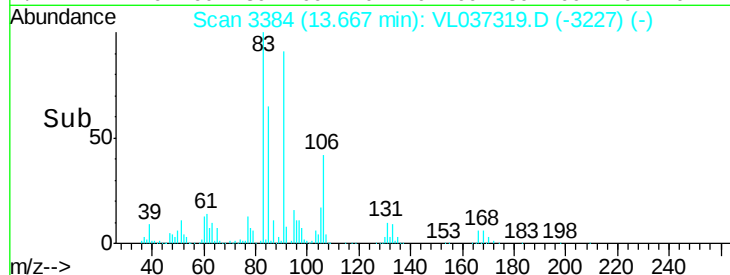
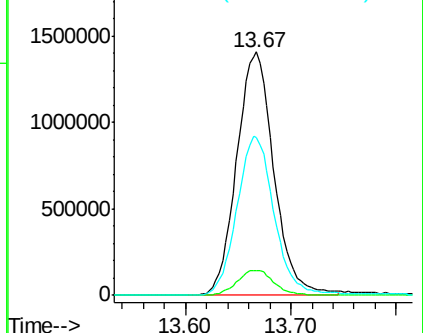
MMDadoda
8/5/2021 1:40:21 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 12.751 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. -0.00 min

Lab File: VL037319.D

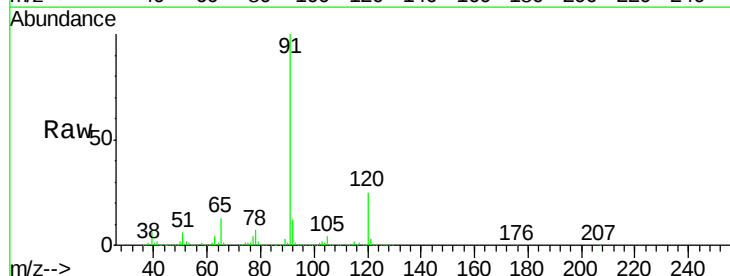
Acq: 4 Aug 2021 21:19

Tgt Ion: 120 Resp: 1941001

Ion Ratio Lower Upper

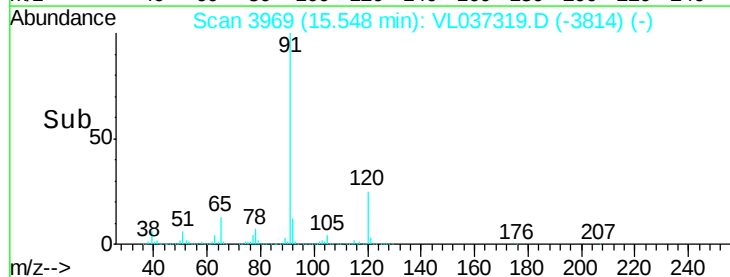
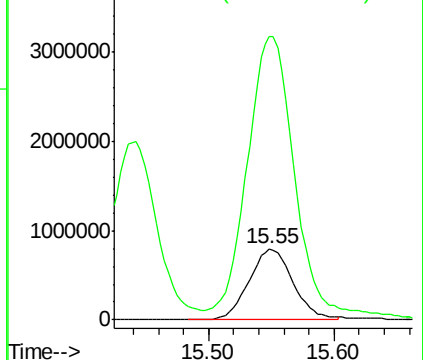
120 100

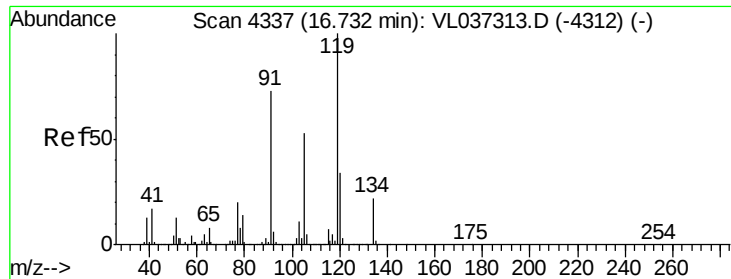
91 438.8 361.0 541.4



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





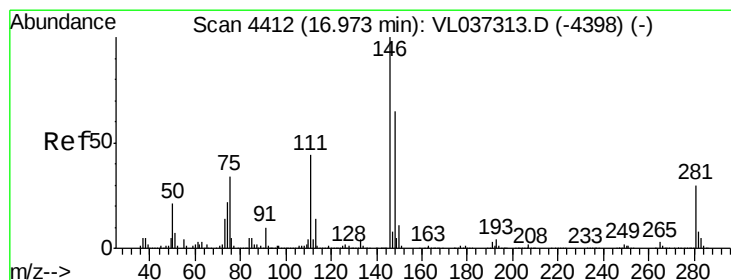
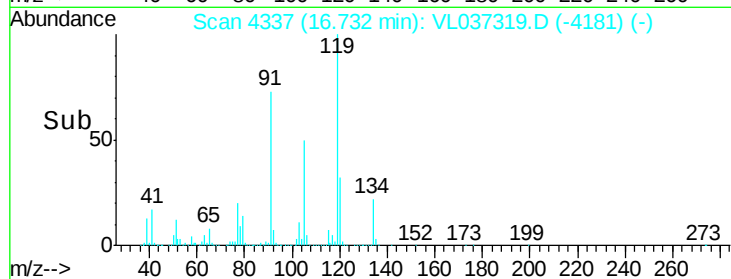
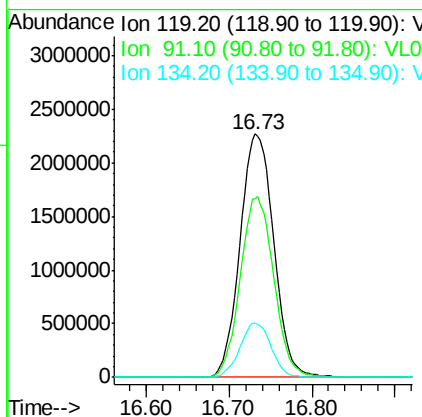
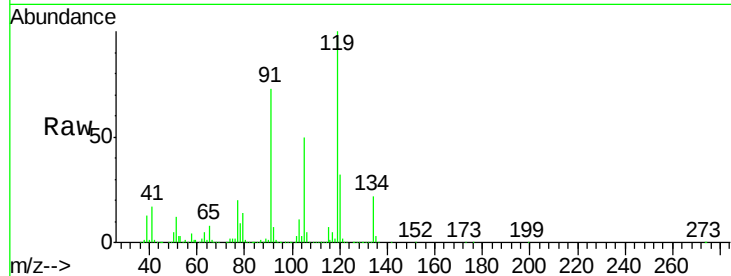
#65
 tert-Butylbenzene
 Concen: 13.237 ppbv
 RT: 16.73 min Scan# 4337
 Delta R.T. 0.00 min
 Lab File: VL037319.D
 Acq: 4 Aug 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:119 Resp: 6411643
 Ion Ratio Lower Upper
 119 100
 91 73.7 58.6 88.0
 134 20.8 16.5 24.7

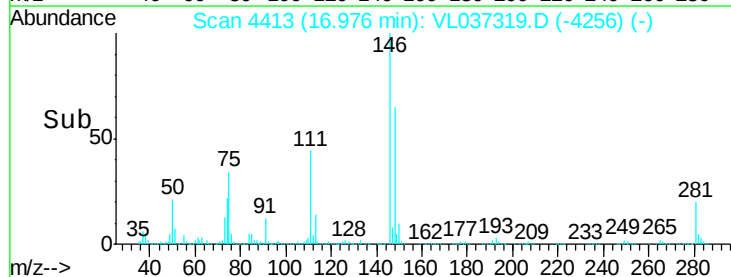
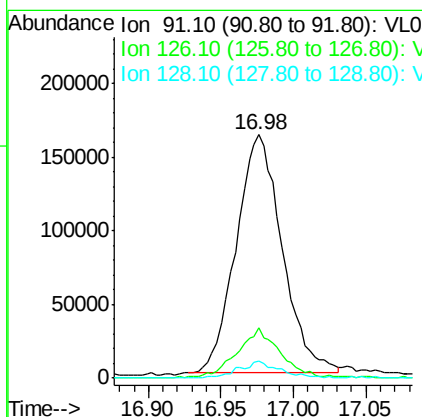
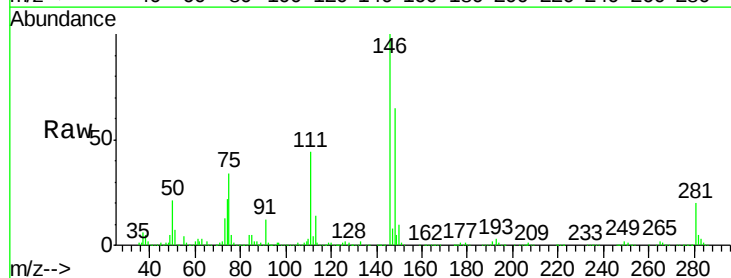
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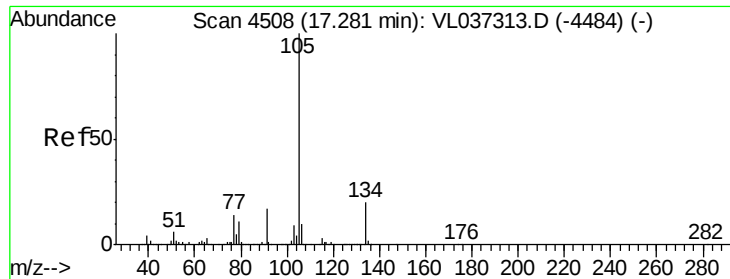
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#66
 Benzyl Chloride
 Concen: 3.631 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T. 0.00 min
 Lab File: VL037319.D
 Acq: 4 Aug 2021 21:19

Tgt Ion: 91 Resp: 357138
 Ion Ratio Lower Upper
 91 100
 126 20.1 17.8 26.6
 128 6.5 5.8 8.6





#67

sec-Butylbenzene

Concen: 13.374 ppbv

RT: 17.28 min Scan# 4508

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 8638137

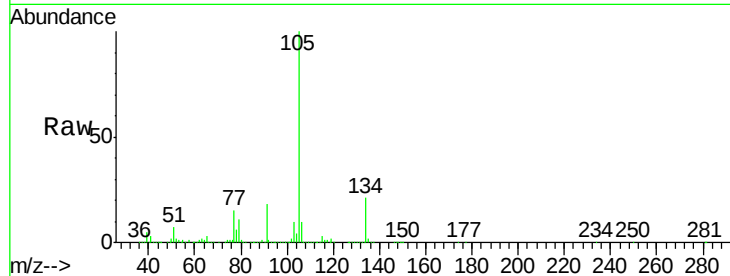
Ion Ratio Lower Upper

105 100

134 20.2 15.4 23.2

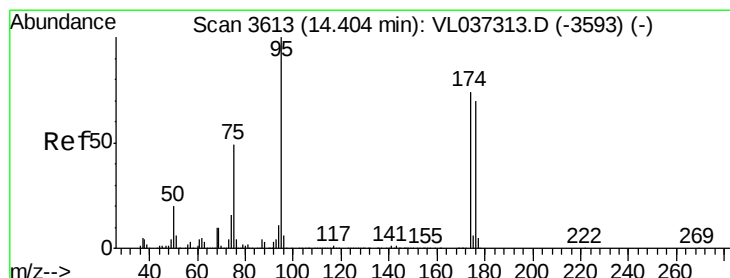
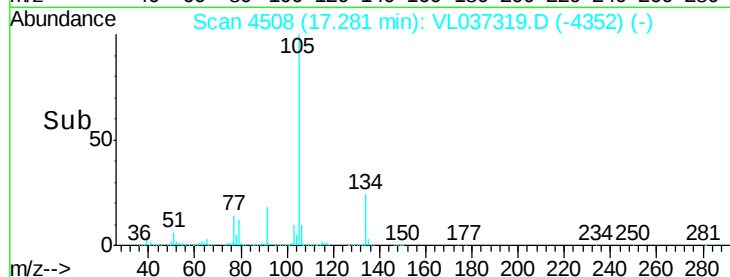
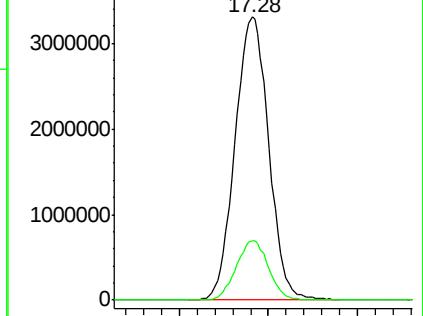
Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.976 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

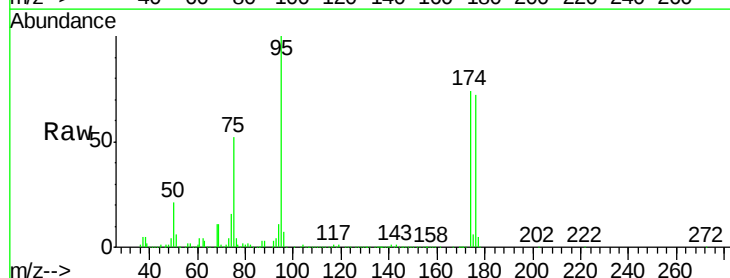
Tgt Ion: 95 Resp: 2454379

Ion Ratio Lower Upper

95 100

174 81.2 66.9 100.3

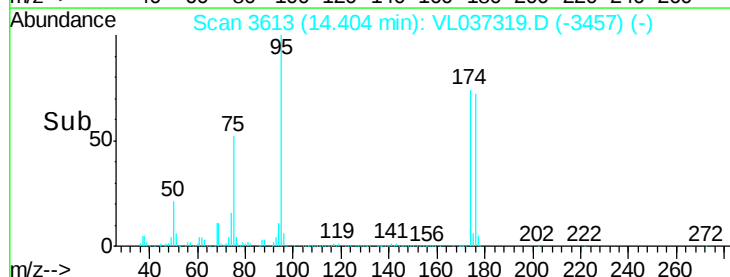
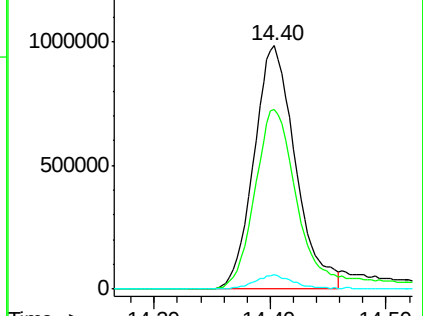
175 6.2 5.1 7.7

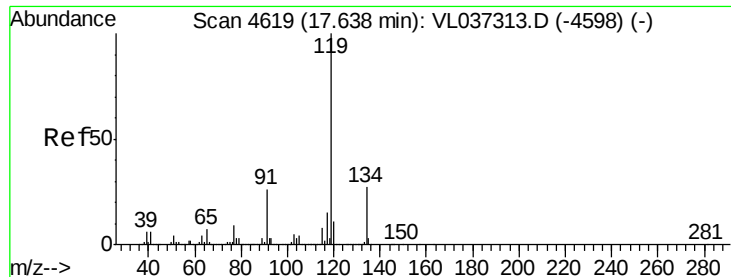


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





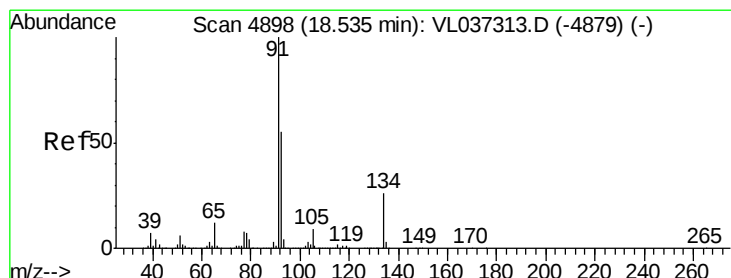
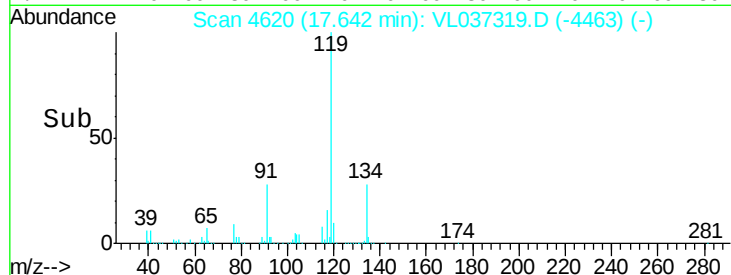
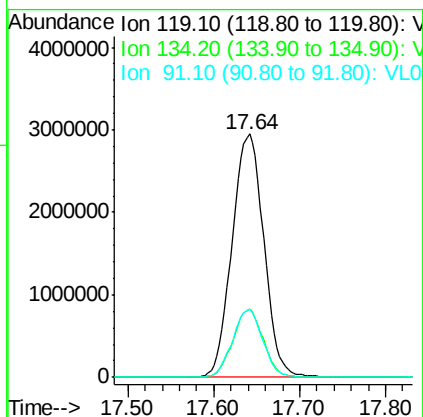
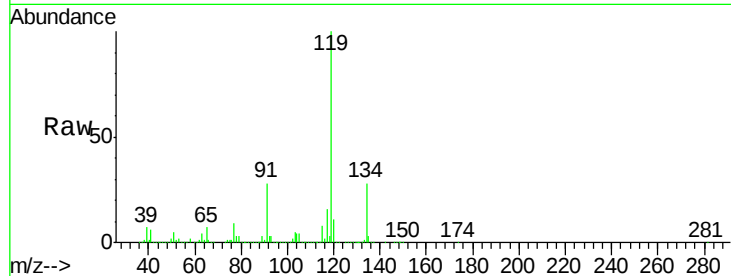
#69
 p-Isopropyltoluene
 Concen: 12.494 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. 0.00 min
 Lab File: VL037319.D
 Acq: 4 Aug 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	21.0	31.6
91	26.5	20.5	30.7

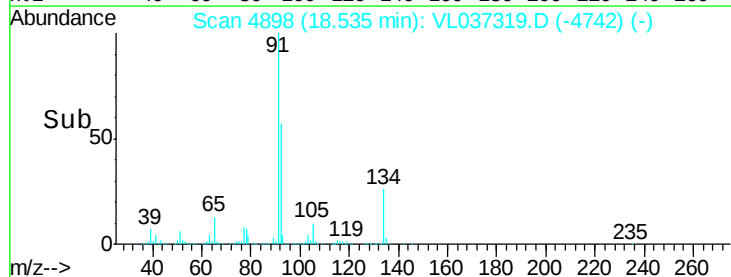
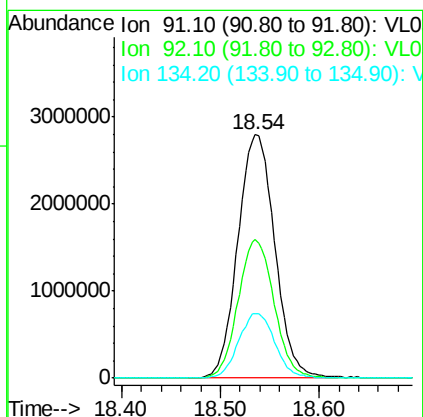
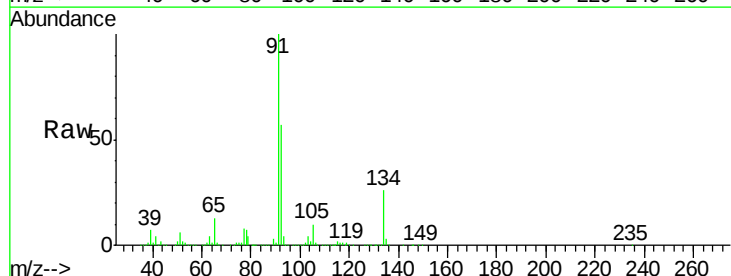
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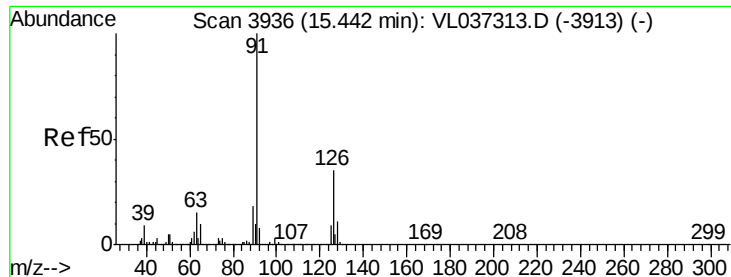
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#70
 n-Butylbenzene
 Concen: 13.121 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. 0.00 min
 Lab File: VL037319.D
 Acq: 4 Aug 2021 21:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.6	44.1	66.1
134	26.0	20.6	31.0





#71

2-Chlorotoluene

Concen: 12.404 ppbv

RT: 15.44 min Scan# 3936

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 5054111

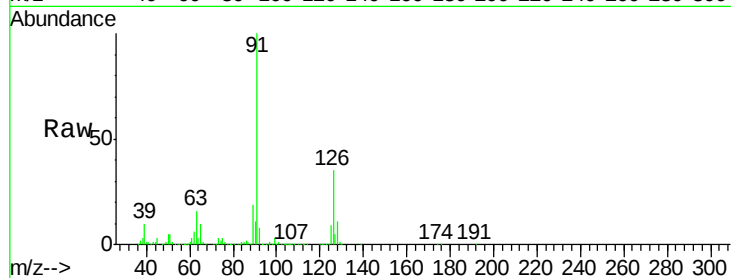
Ion Ratio Lower Upper

91 100

126 35.7 14.3 57.1

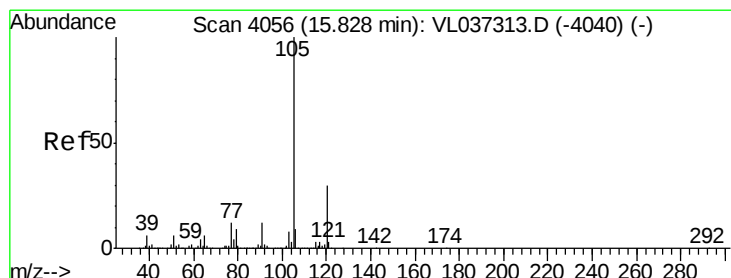
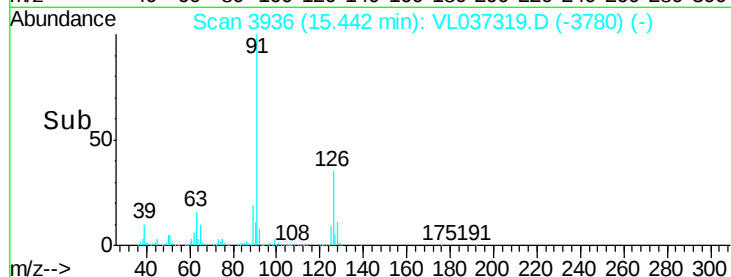
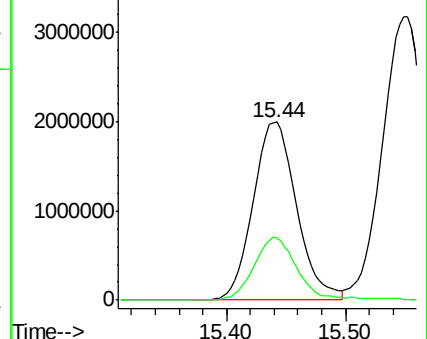
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 13.270 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Tgt Ion:105 Resp: 6383024

Ion Ratio Lower Upper

105 100

120 30.7 25.6 38.4

91 12.8 9.4 14.2

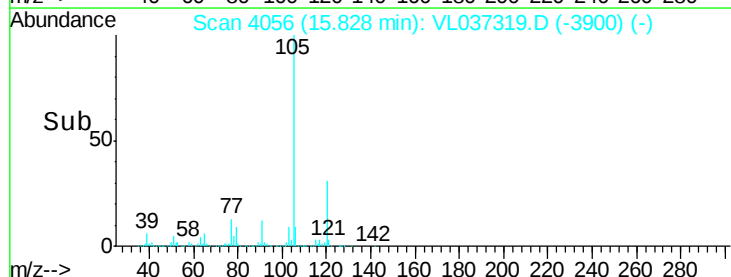
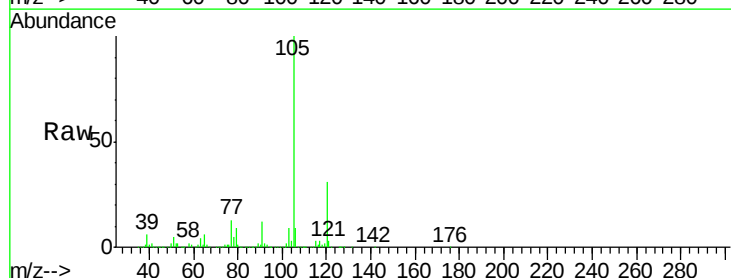
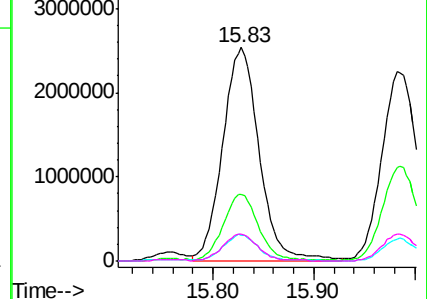
77 12.3 10.2 15.4

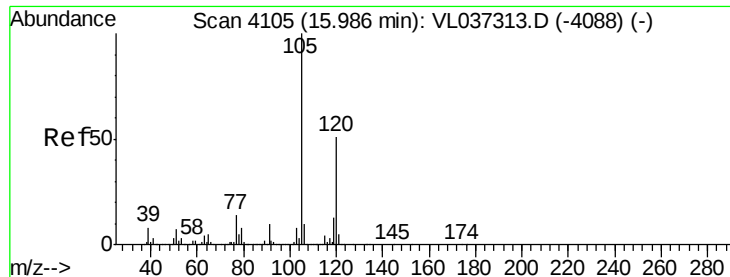
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 13.047 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. -0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 5665484

Ion Ratio Lower Upper

105 100

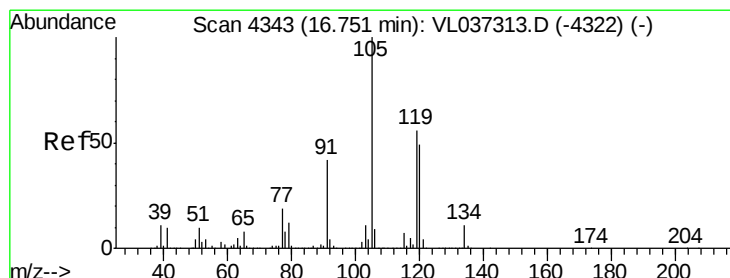
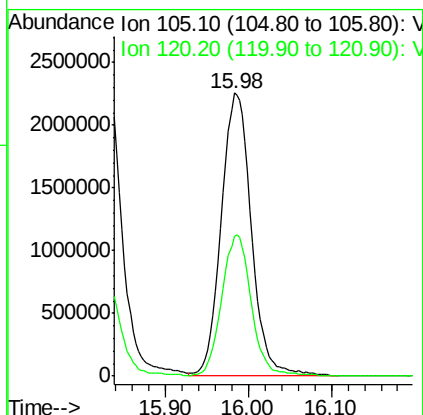
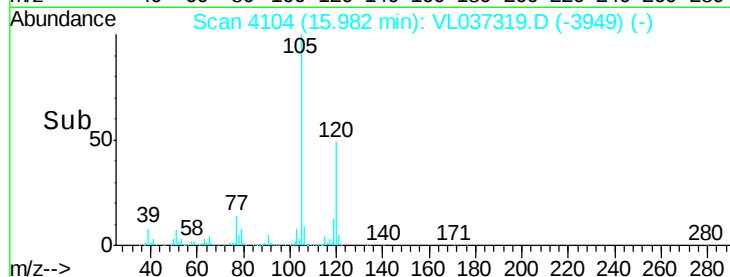
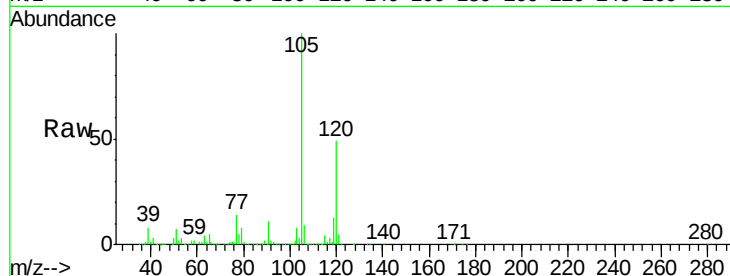
120 49.3 40.4 60.6

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#74

1,2,4-Trimethylbenzene

Concen: 12.492 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Tgt Ion:105 Resp: 5791946

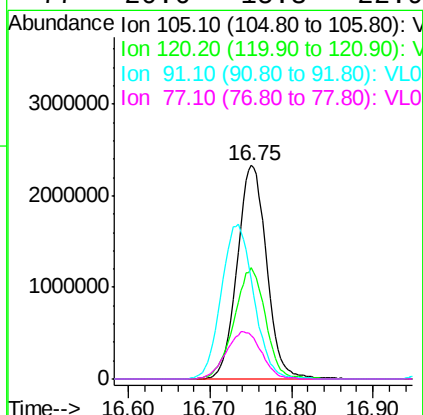
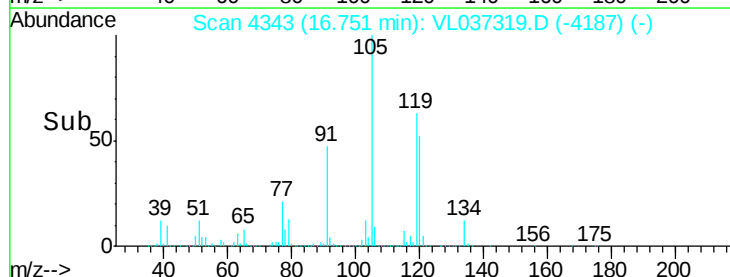
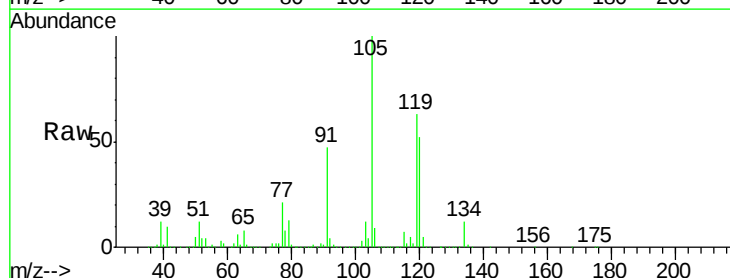
Ion Ratio Lower Upper

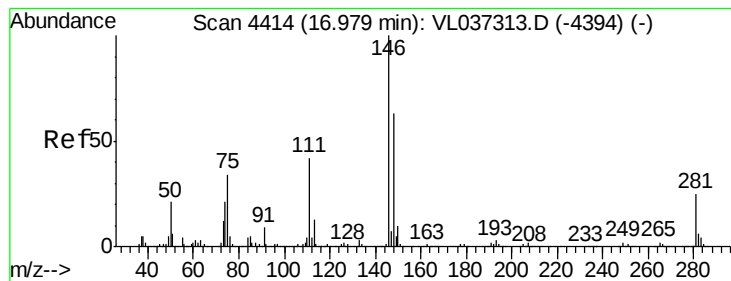
105 100

120 52.0 39.6 59.4

91 46.5 34.5 51.7

77 20.6 15.3 22.9





#75

1,3-Dichlorobenzene

Concen: 13.109 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. 0.01 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 3745885

Ion Ratio Lower Upper

146 100

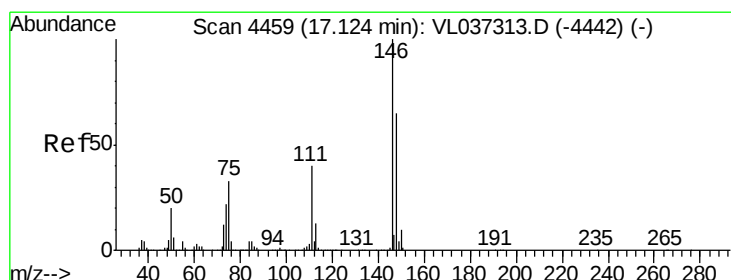
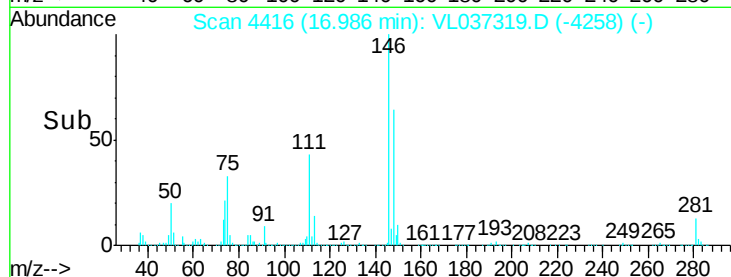
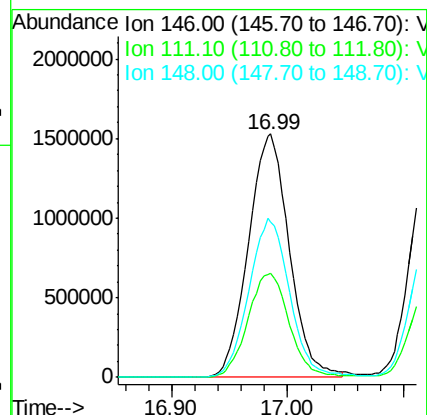
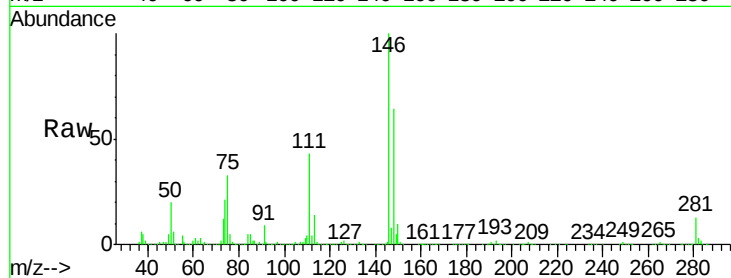
111 43.4 21.4 64.3

148 65.4 32.6 97.7

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 13.674 ppbv

RT: 17.12 min Scan# 4459

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

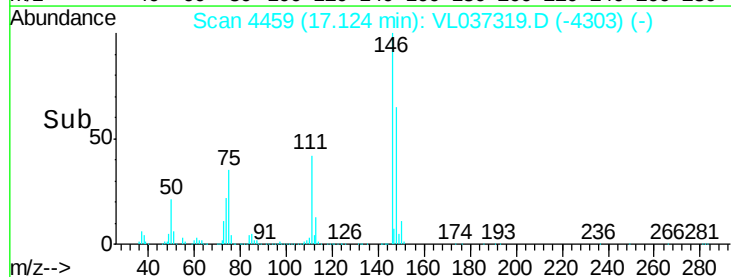
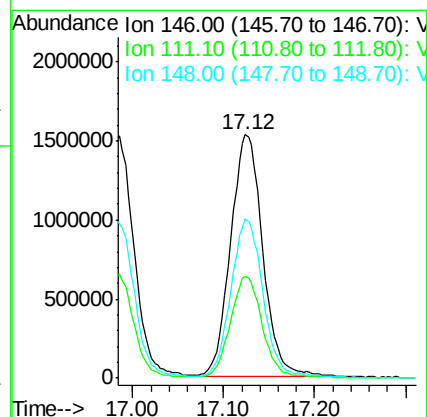
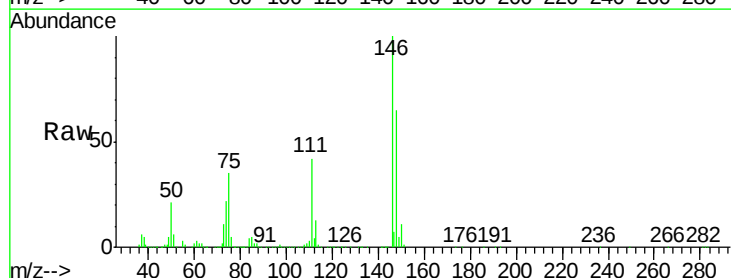
Tgt Ion:146 Resp: 3762742

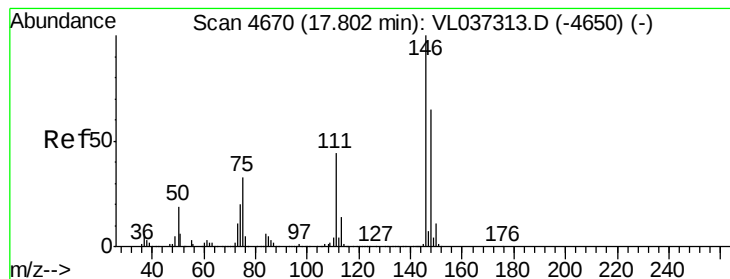
Ion Ratio Lower Upper

146 100

111 42.2 21.0 63.0

148 66.2 33.5 100.4





#77

1,2-Dichlorobenzene

Concen: 13.440 ppbv

RT: 17.80 min Scan# 4670

Delta R.T. 0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 3666236

Ion Ratio Lower Upper

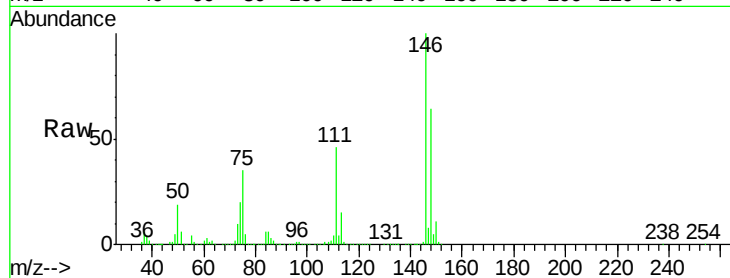
146 100

111 45.1 22.1 66.5

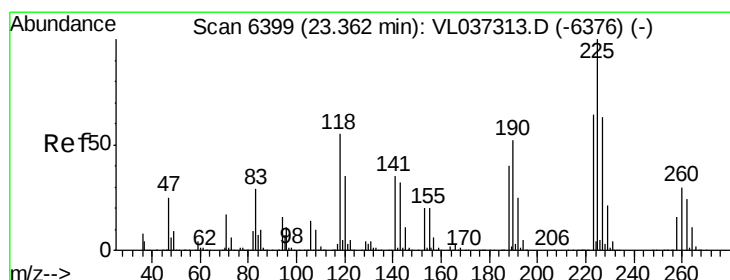
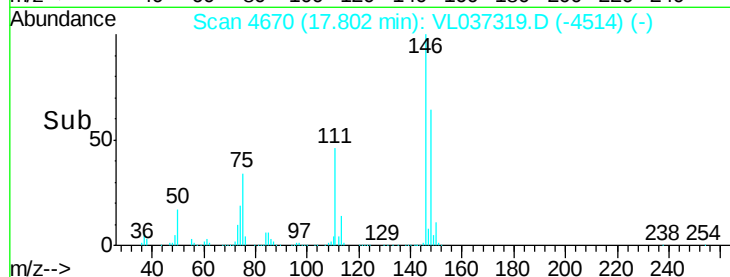
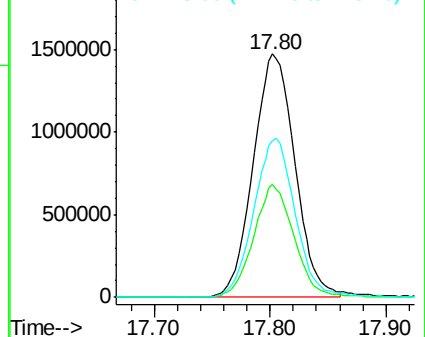
148 65.1 32.5 97.4

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



#78

Hexachloro-1,3-Butadiene

Concen: 13.664 ppbv

RT: 23.36 min Scan# 6398

Delta R.T. -0.00 min

Lab File: VL037319.D

Acq: 4 Aug 2021 21:19

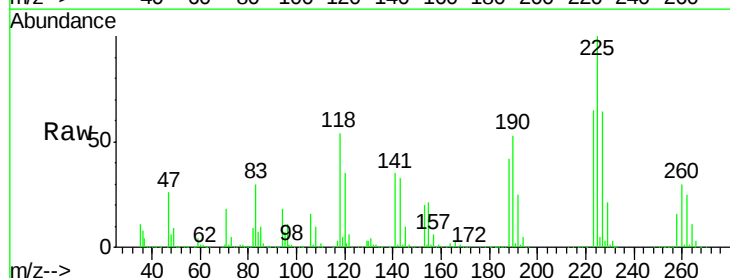
Tgt Ion:225 Resp: 2944864

Ion Ratio Lower Upper

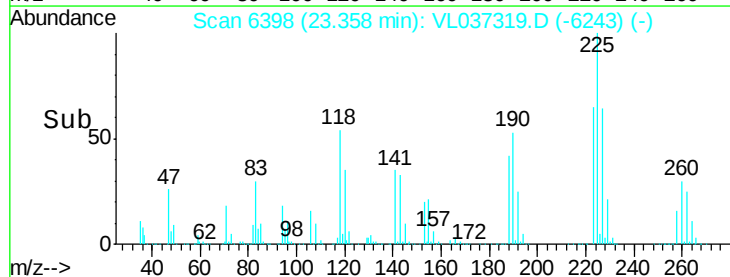
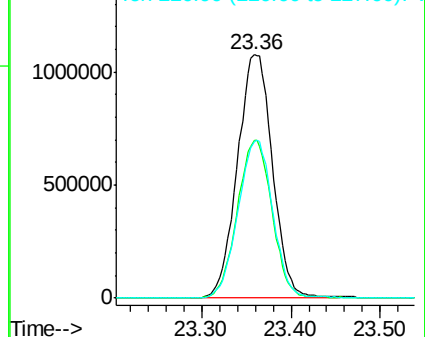
225 100

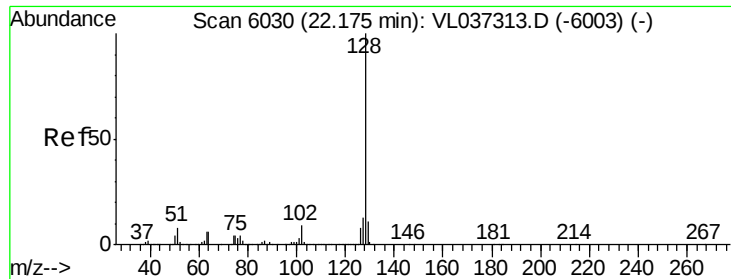
223 64.2 51.1 76.7

227 64.4 51.9 77.9



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





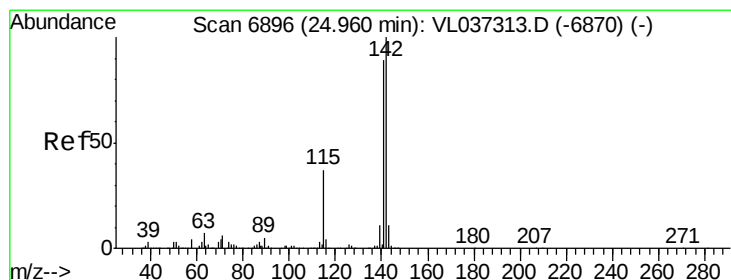
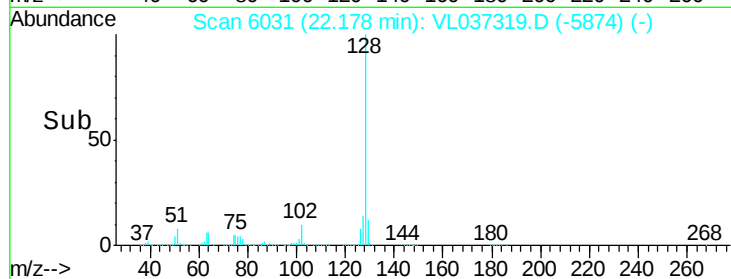
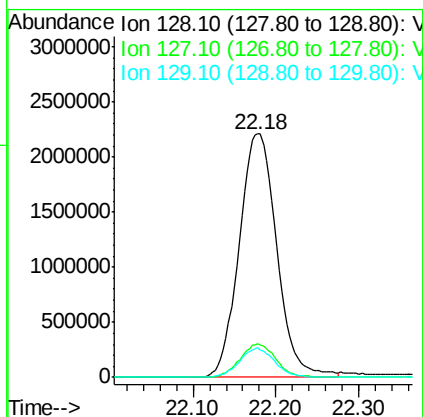
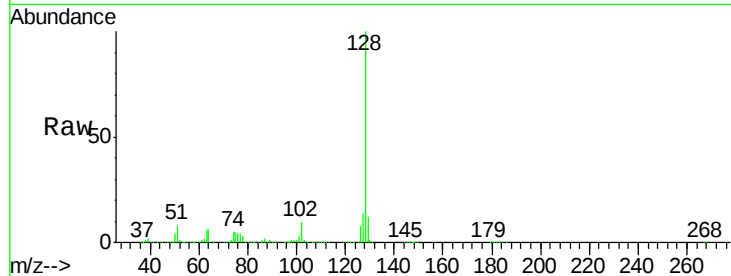
#79
Naphthalene
Concen: 17.626 ppbv
RT: 22.18 min Scan# 6031
Delta R.T. 0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	12.0	8.6	12.8

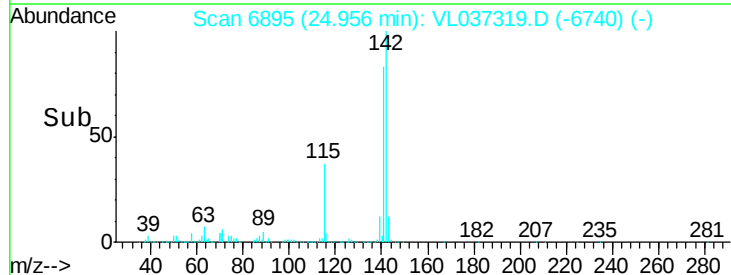
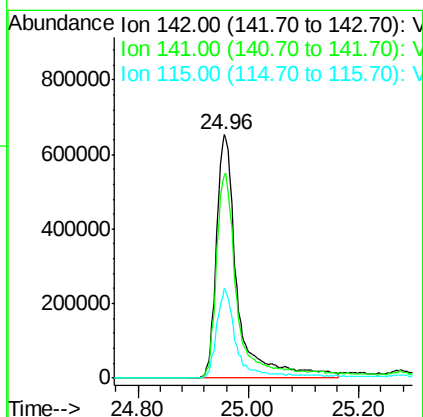
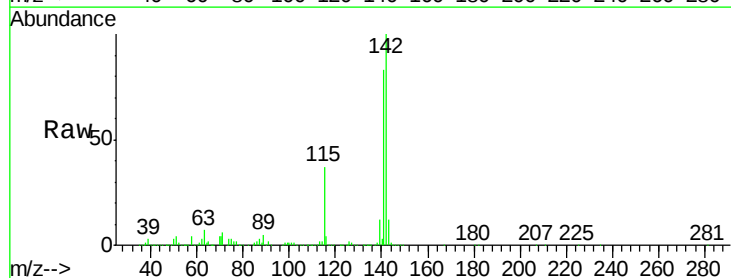
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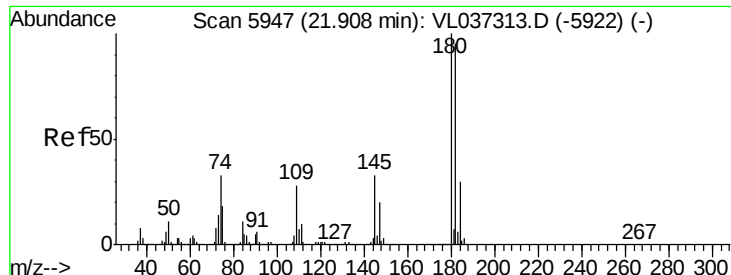
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#80
Naphthalene, 2-methyl-
Concen: 27.775 ppbv
RT: 24.96 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL037319.D
Acq: 4 Aug 2021 21:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.2	67.2	100.8
115	35.4	27.9	41.9





#81
 1,2,4-Trichlorobenzene
 Concen: 18.089 ppbv
 RT: 21.91 min Scan# 5948
 Delta R.T. 0.00 min
 Lab File: VL037319.D
 Acq: 4 Aug 2021 21:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	97.5	78.0	117.0	
184	31.6	25.0	37.4	

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