

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
 Data File : VL037497.D
 Acq On : 19 Aug 2021 13:08
 Operator : SY/AP
 Sample : VL0819ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0819ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2021 6:31:01 PM

Quant Time: Aug 20 00:31:07 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1485882	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	4317522	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	3808109	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2861098	10.58	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2089650	8.765	ppbv	99
3) Chlorodifluoromethane	3.00	51	2573675	9.045	ppbv	99
4) Chloromethane	3.15	50	963701	9.478	ppbv	96
5) Vinyl Chloride	3.26	62	965733	9.271	ppbv	99
6) Bromomethane	3.48	94	468954	8.218	ppbv	95
7) Chloroethane	3.57	64	331582	9.326	ppbv	93
8) Dichlorotetrafluoroethane	3.20	85	2258068	9.175	ppbv	100
9) Propene	3.02	41	900133	8.842	ppbv	100
10) Heptane	8.13	43	2267606	9.677	ppbv	100
11) Trichlorofluoromethane	3.96	101	2073340	9.265	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1597124	9.726	ppbv	97
13) Ethanol	3.61	45	87130m	8.795	ppbv	
14) Bromoethene	3.75	108	671777	9.011	ppbv	95
15) Acetone	3.85	43	1164961	7.704	ppbv	99
16) 1,3-Butadiene	3.33	39	926858	9.555	ppbv	98
17) tert-Butyl alcohol	4.29	59	1369928	9.917	ppbv	98
18) 1,1-Dichloroethene	4.29	96	693229	9.293	ppbv	98
19) Isopropyl Alcohol	3.97	45	709220	8.186	ppbv #	94
20) Methylene Chloride	4.35	84	612198	8.086	ppbv	94
21) Allyl Chloride	4.42	41	1101875	8.971	ppbv	94
22) trans-1,2-Dichloroethene	4.89	96	758319	10.189	ppbv	99
23) Vinyl Acetate	5.08	43	1742789	7.819	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1455592	9.004	ppbv	99
25) Ethyl Acetate	5.68	43	3530638	9.197	ppbv	100
26) Hexane	5.69	57	1664846	8.870	ppbv	99
27) Carbon Disulfide	4.56	76	1779772	10.640	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1509597	8.374	ppbv	100
29) Chloroform	5.76	83	2445118	9.192	ppbv	99
30) Cyclohexane	7.13	84	1438386	9.197	ppbv	100
31) cis-1,2-Dichloroethene	5.56	61	1580431	9.303	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2405613	9.204	ppbv	98
34) 2-Butanone	5.25	43	1510967	8.570	ppbv	95
35) Carbon Tetrachloride	7.02	117	2532540	9.925	ppbv	98
36) Benzene	6.90	78	3546958	9.772	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1765280	9.819	ppbv	100
38) Trichloroethene	7.84	130	1401394	9.411	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1327489	9.518	ppbv	95
40) 1,4-Dioxane	7.84	88	324220m	9.489	ppbv	
41) Tetrahydrofuran	6.05	42	803654	9.462	ppbv	99
42) Bromodichloromethane	7.80	83	2625181	9.986	ppbv	99
43) Methyl Methacrylate	8.02	69	1268030	10.024	ppbv	100

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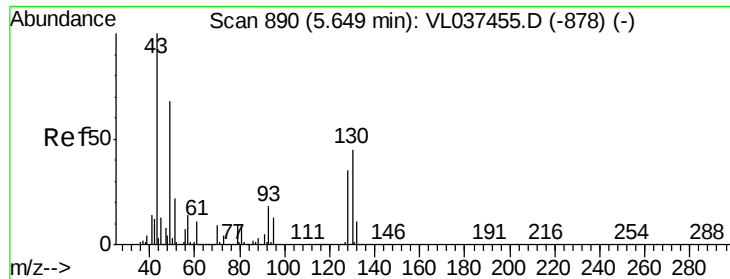
Manual Integrations
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 8/20/2021 6:31:01 PM

Quant Time: Aug 20 00:31:07 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5884961	9.634	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	903661	9.489	ppbv	94
46) cis-1,3-Dichloropropene	8.71	75	1174185	8.839	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1441371	9.565	ppbv	97
48) Dibromochloromethane	10.31	129	2306759	10.637	ppbv	99
49) Bromoform	13.04	173	1837165	10.747	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	2341695	10.181	ppbv	99
51) 2-Hexanone	10.14	43	1142868	10.803	ppbv #	98
52) Tetrachloroethene	11.23	164	1321837	8.888	ppbv	96
53) Toluene	9.81	91	4107962	9.912	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2038096	9.688	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1603098	10.103	ppbv	99
57) Chlorobenzene	12.15	112	3009218	9.522	ppbv	98
58) Ethyl Benzene	12.72	91	5300913	10.031	ppbv	99
59) m/p-Xylene	13.00	91	8957745m	19.553	ppbv	
60) o-Xylene	13.70	91	4156199	9.720	ppbv	100
61) Styrene	13.53	104	2360906	10.628	ppbv	99
62) Isopropylbenzene	14.67	105	5809179	9.626	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3088728	9.719	ppbv	99
64) n-propylbenzene	15.56	120	1568913	10.216	ppbv	99
65) tert-Butylbenzene	16.74	119	5311818	9.665	ppbv	99
66) Benzyl Chloride	16.99	91	316214m	12.719	ppbv	
67) sec-Butylbenzene	17.29	105	7374811	9.603	ppbv	99
69) p-Isopropyltoluene	17.65	119	6244055	9.978	ppbv	99
70) n-Butylbenzene	18.55	91	6100982	10.201	ppbv	100
71) 2-Chlorotoluene	15.46	91	4392895	9.926	ppbv	99
72) 4-Ethyltoluene	15.84	105	5143858	10.114	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4607004	9.731	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	4819268	9.579	ppbv #	89
75) 1,3-Dichlorobenzene	17.00	146	2913530	9.621	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2854788	9.358	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	2839403	9.522	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	2172493	8.763	ppbv	100
79) Naphthalene	22.19	128	3622040	10.759	ppbv	97
80) Naphthalene, 2-methyl-	24.97	142	914341	9.749	ppbv	94
81) 1,2,4-Trichlorobenzene	21.92	180	2186072	10.348	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.03 min

Lab File: VL037497.D

Acq: 19 Aug 2021 13:08

Instrument :

MSVOA_L

ClientSampleId :

VL0819ABS01

Tot Ion: 49 Resp: 1485882

Ion Ratio Lower Upper

49 100

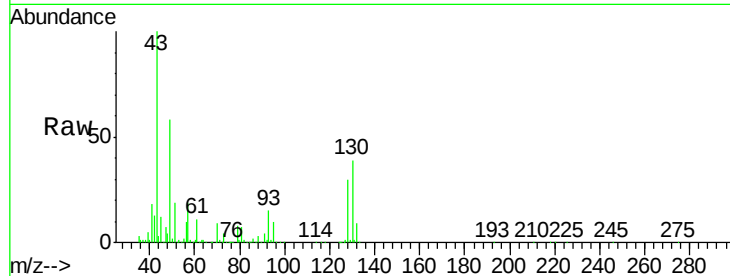
128 53.9 27.5 82.4

130 67.3 34.0 101.8

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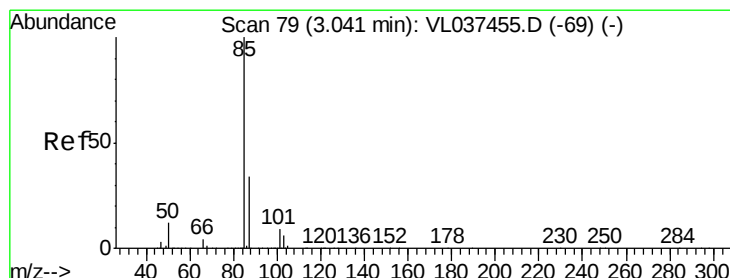
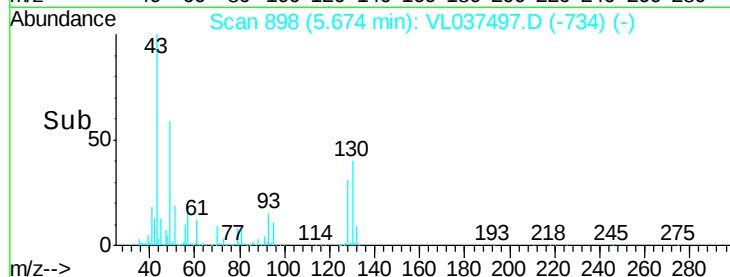
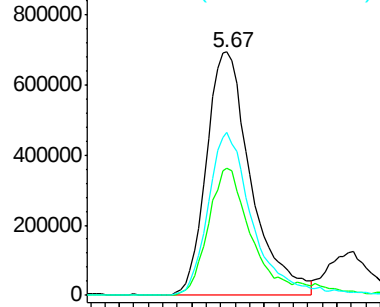
8/20/2021 6:31:01 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.765 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL037497.D

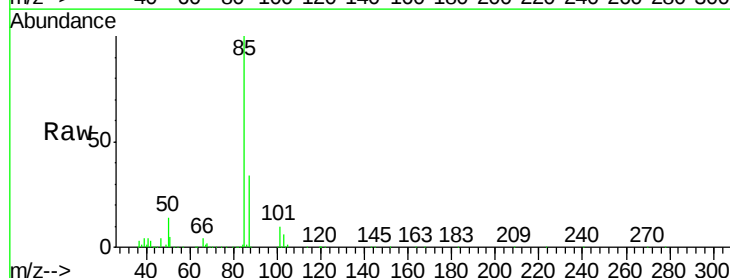
Acq: 19 Aug 2021 13:08

Tgt Ion: 85 Resp: 2089650

Ion Ratio Lower Upper

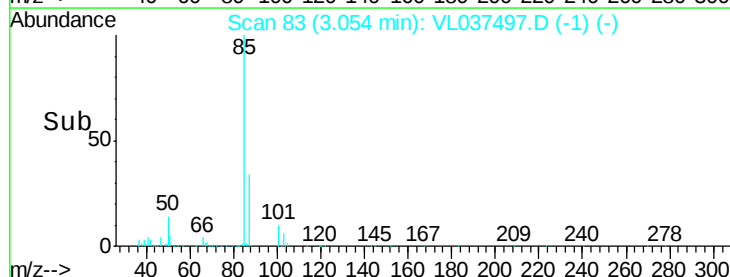
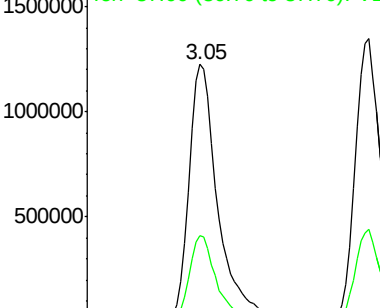
85 100

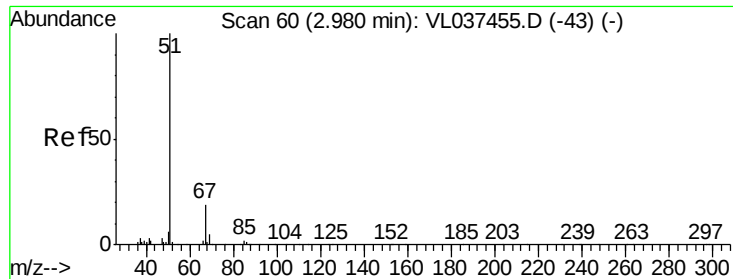
87 33.7 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.045 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.02 min

Lab File: VL037497.D

Acq: 19 Aug 2021 13:08

Instrument :

MSVOA_L

ClientSampleId :

VL0819ABS01

Tot Ion: 51 Resp: 2573675

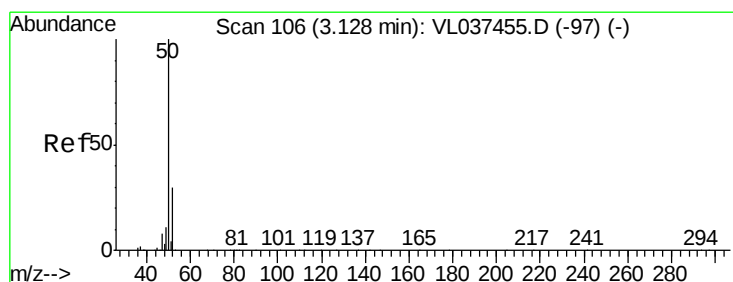
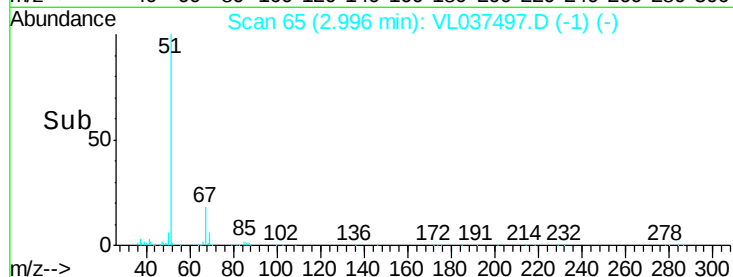
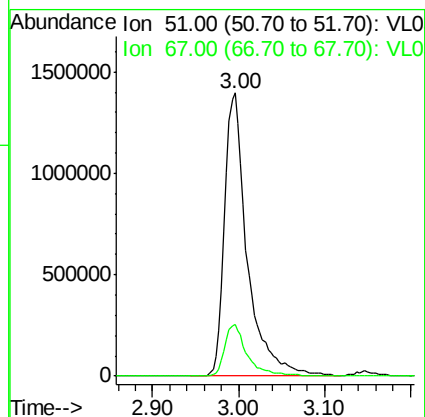
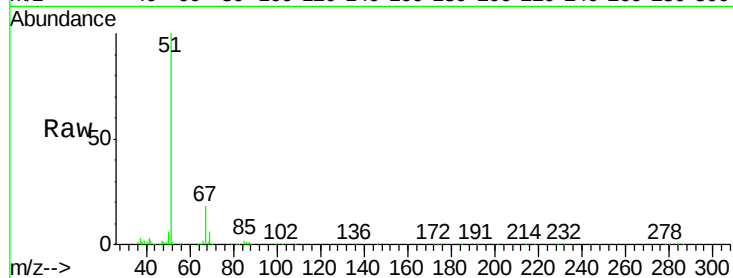
Ion Ratio Lower Upper

51 100

67 18.1 14.2 21.2

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#4

Chloromethane

Concen: 9.478 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.02 min

Lab File: VL037497.D

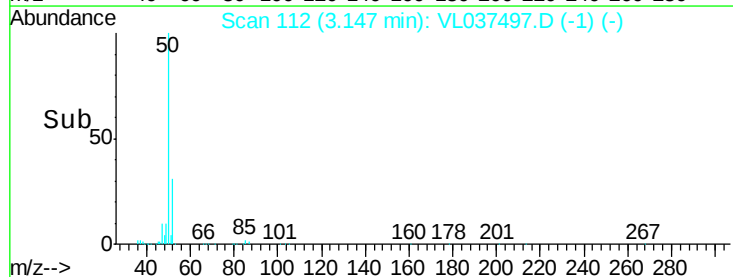
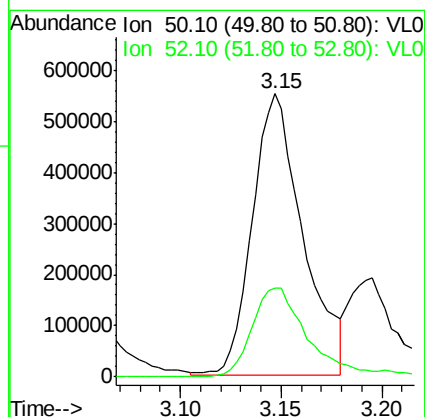
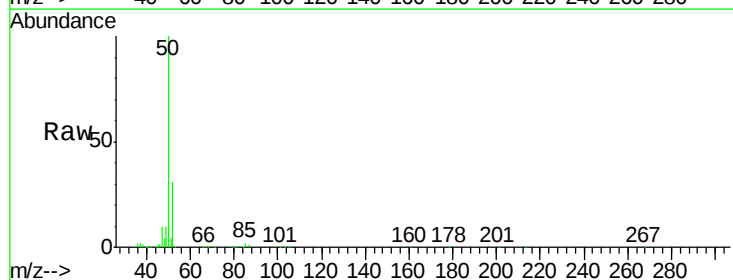
Acq: 19 Aug 2021 13:08

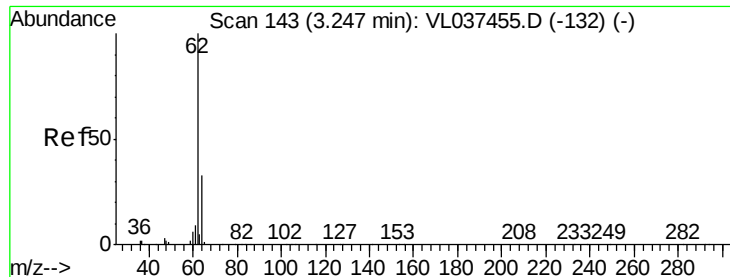
Tgt Ion: 50 Resp: 963701

Ion Ratio Lower Upper

50 100

52 31.9 24.0 36.0





#5

Vinyl Chloride

Concen: 9.271 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.02 min

Lab File: VL037497.D

Acq: 19 Aug 2021 13:08

Instrument :

MSVOA_L

ClientSampleId :

VL0819ABS01

Tot Ion: 62 Resp: 965733

Ion Ratio Lower Upper

62 100

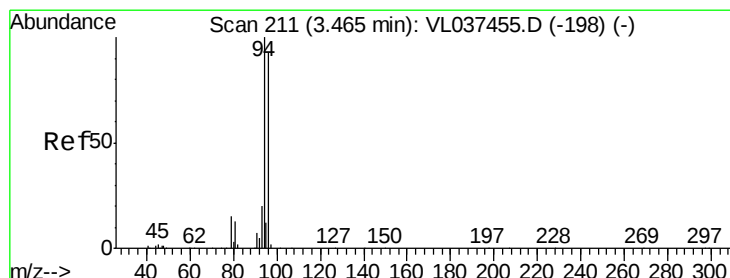
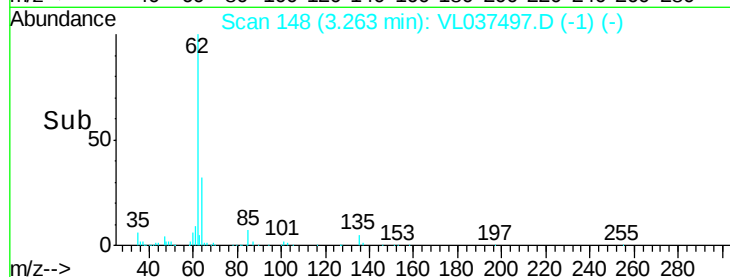
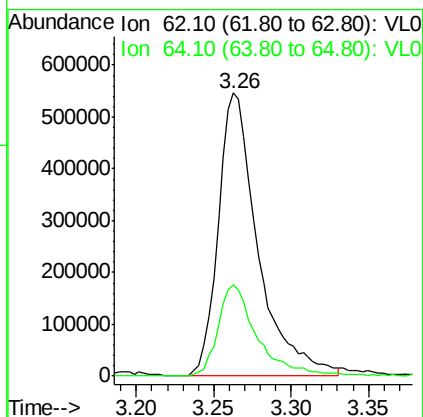
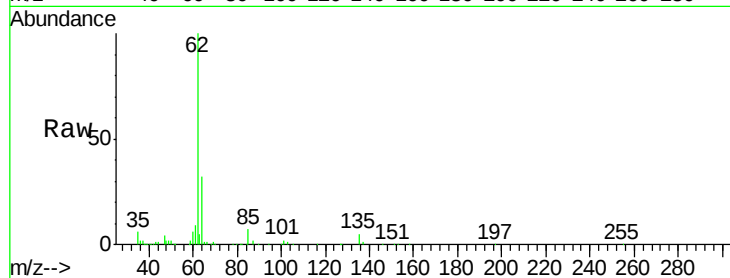
64 32.4 26.5 39.7

Manual Integrations

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#6

Bromomethane

Concen: 8.218 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.02 min

Lab File: VL037497.D

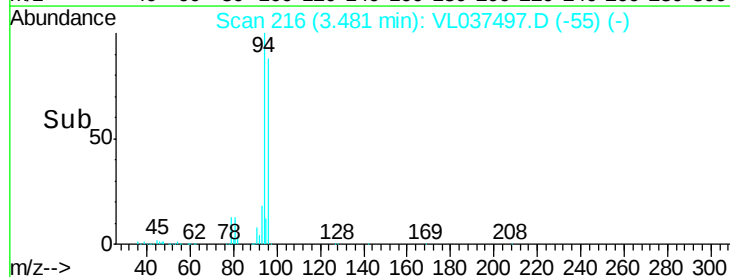
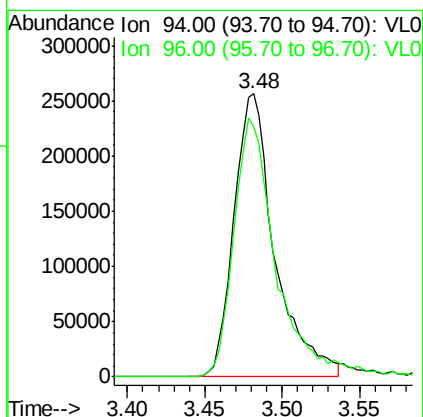
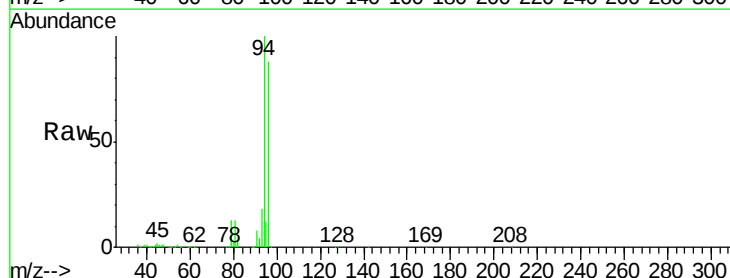
Acq: 19 Aug 2021 13:08

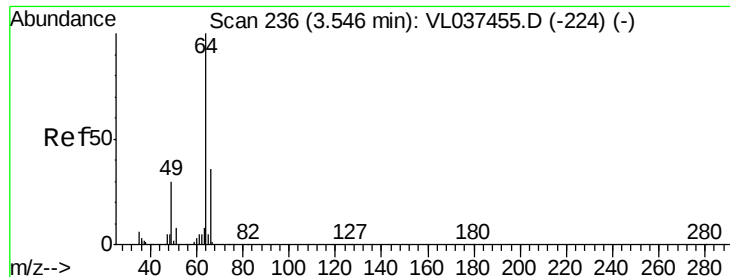
Tgt Ion: 94 Resp: 468954

Ion Ratio Lower Upper

94 100

96 88.4 74.5 111.7





#7

Chloroethane

Concen: 9.326 ppbv

RT: 3.57 min Scan# 242

Delta R.T. 0.02 min

Lab File: VL037497.D

Acq: 19 Aug 2021 13:08

Instrument :

MSVOA_L

ClientSampleId :

VL0819ABS01

Tot Ion: 64 Resp: 331582

Ion Ratio Lower Upper

64 100

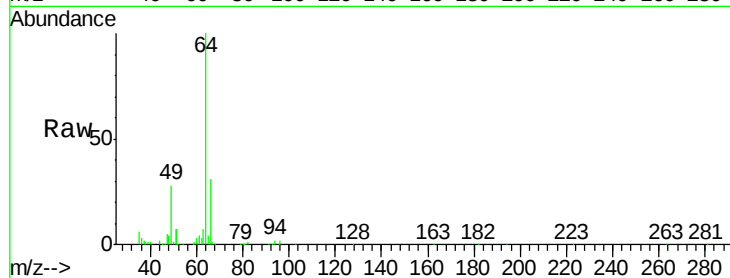
66 31.5 28.6 43.0

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.57

200000

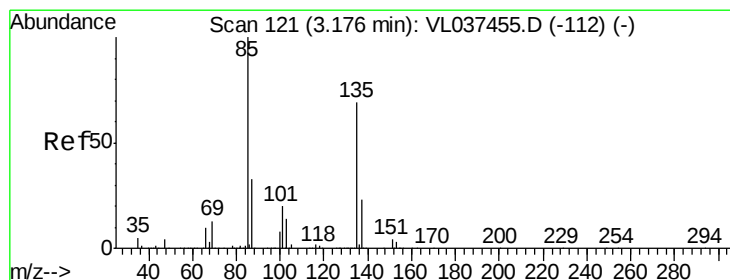
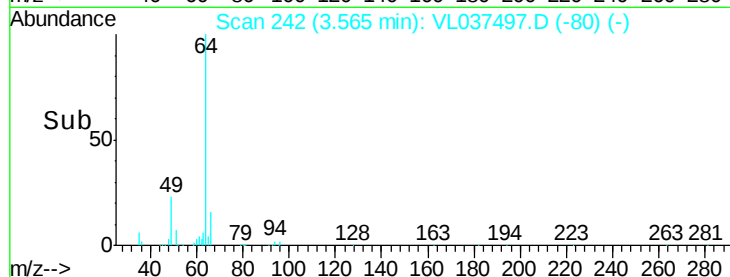
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.175 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.02 min

Lab File: VL037497.D

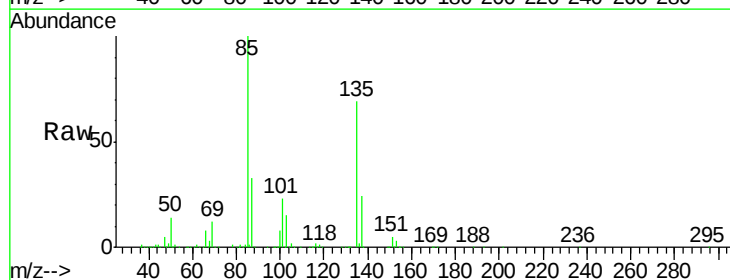
Acq: 19 Aug 2021 13:08

Tgt Ion: 85 Resp: 2258068

Ion Ratio Lower Upper

85 100

135 73.5 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.20

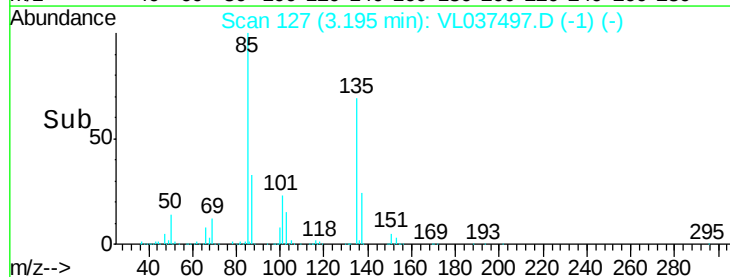
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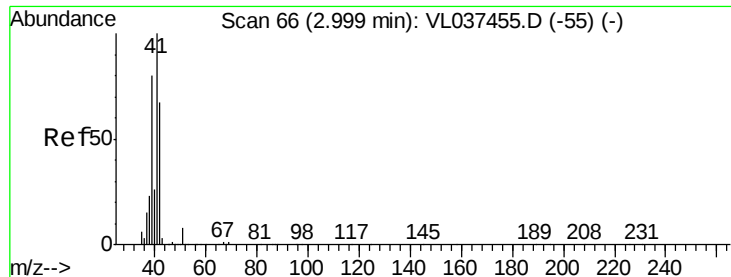
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Time-->





#9

Propene

Concen: 8.842 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL037497.D

Acq: 19 Aug 2021 13:08

Instrument :

MSVOA_L

ClientSampleId :

VL0819ABS01

Tot Ion: 41 Resp: 900133

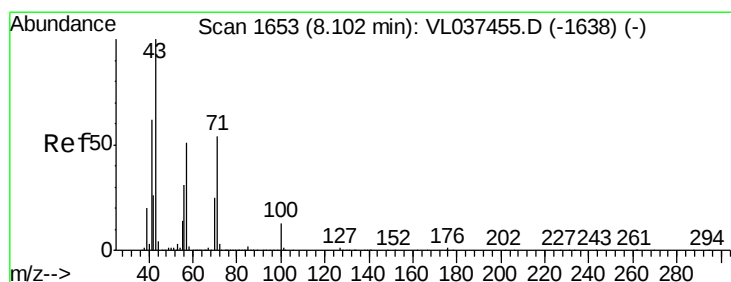
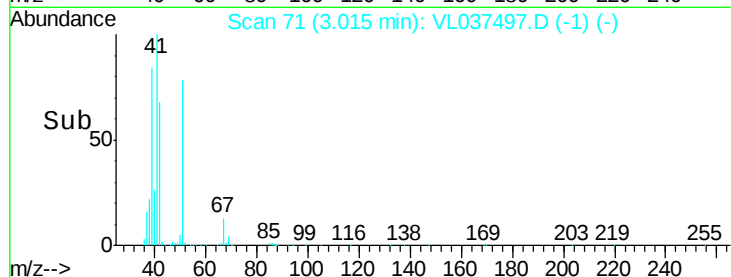
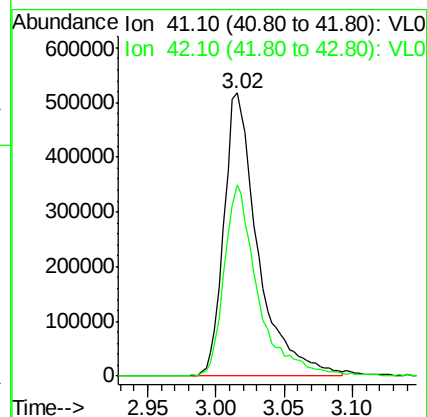
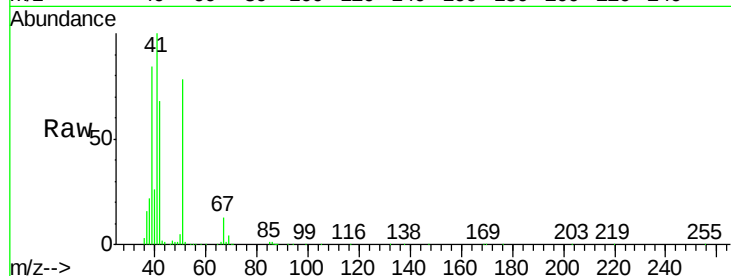
Ion Ratio Lower Upper

41 100

42 67.5 53.7 80.5

Manual Integrations
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#10

Heptane

Concen: 9.677 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.03 min

Lab File: VL037497.D

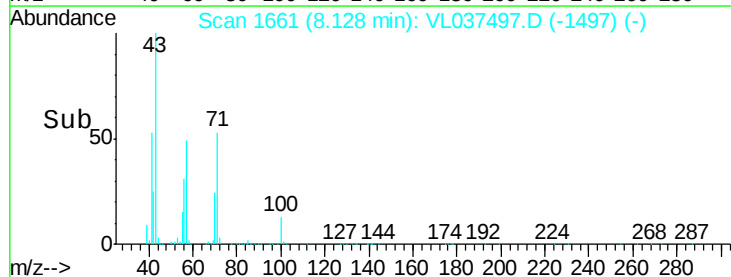
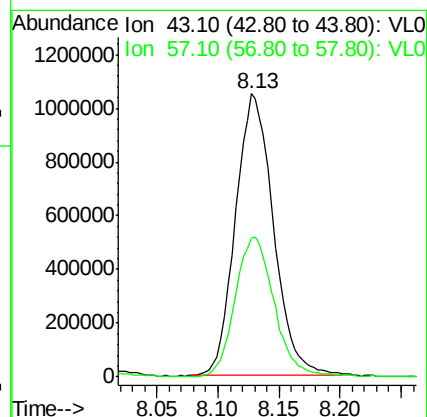
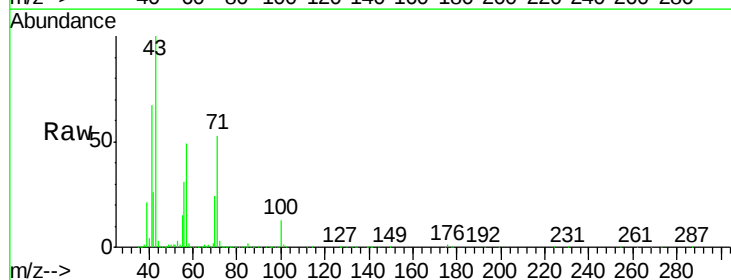
Acq: 19 Aug 2021 13:08

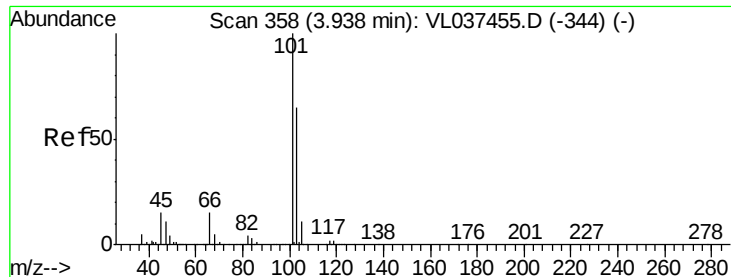
Tgt Ion: 43 Resp: 2267606

Ion Ratio Lower Upper

43 100

57 51.3 41.0 61.6





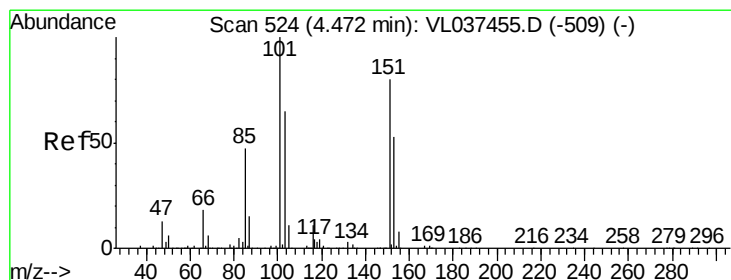
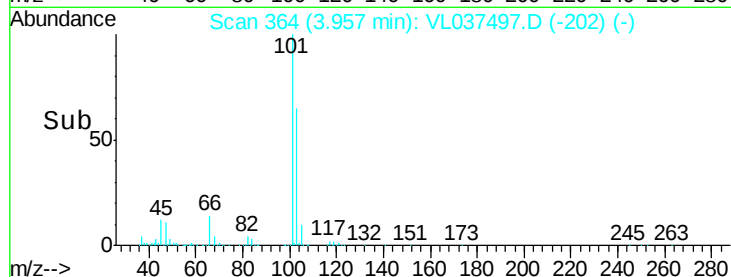
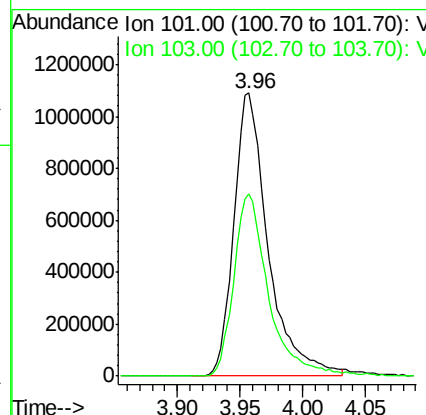
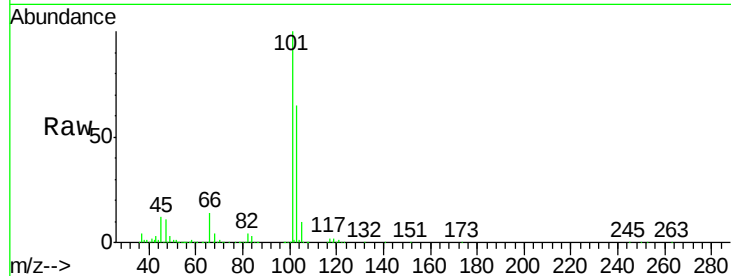
#11
 Trichlorofluoromethane
 Concen: 9.265 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0819ABS01

Tot Ion:101 Resp: 2073340
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.8 77.6

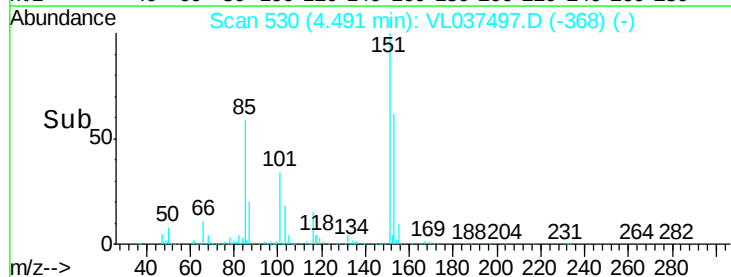
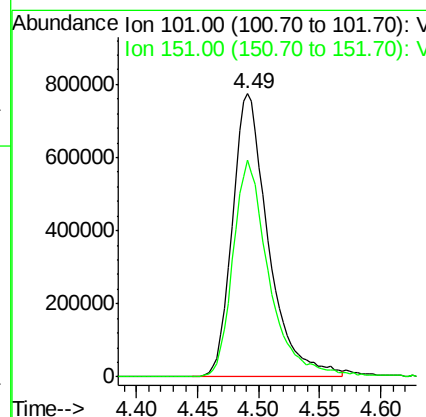
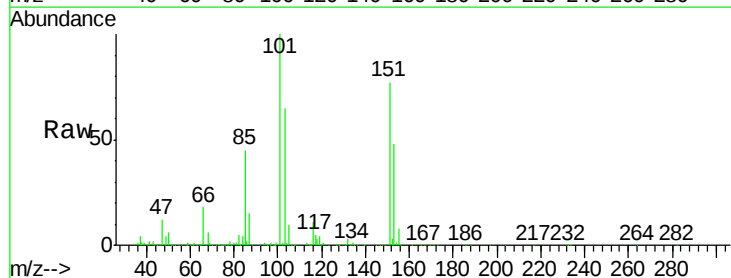
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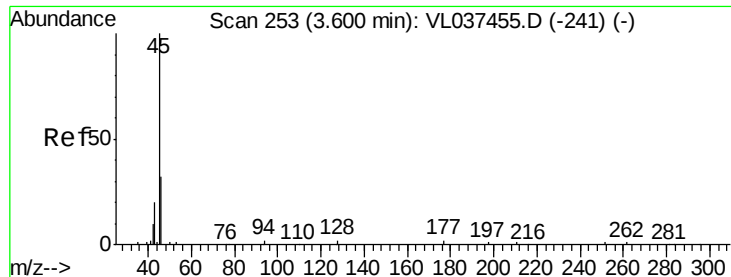
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.726 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.02 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Tgt Ion:101 Resp: 1597124
 Ion Ratio Lower Upper
 101 100
 151 77.2 63.7 95.5





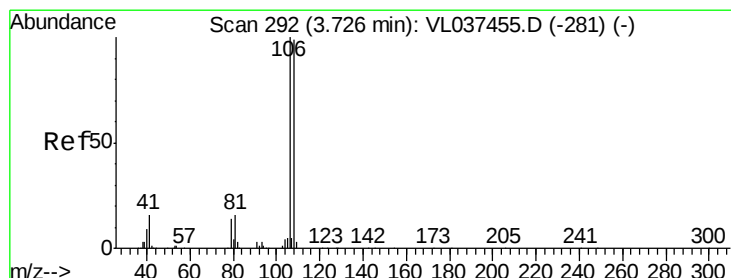
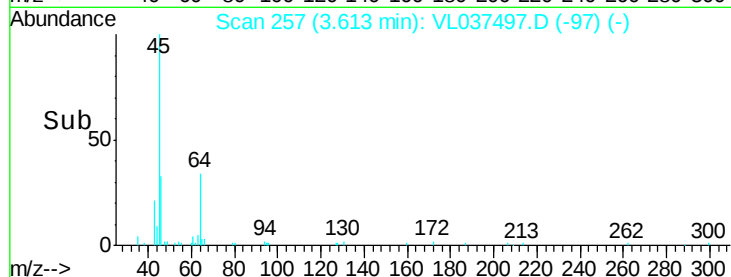
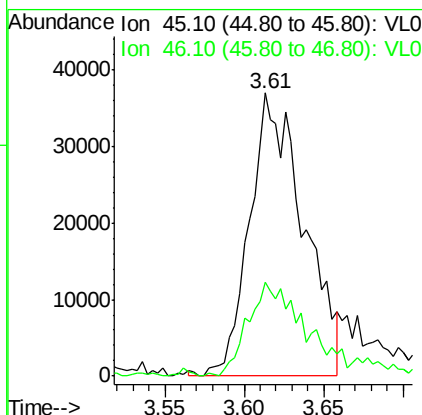
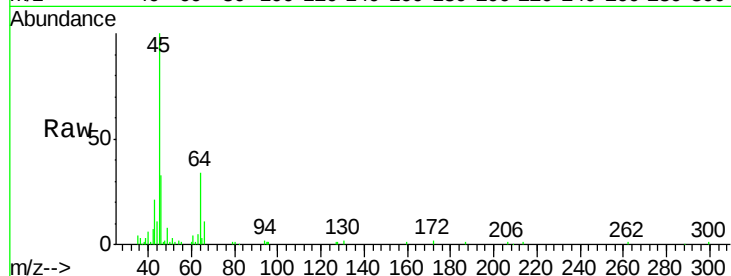
#13
Ethanol
Concen: 8.795 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	39.1	14.1	56.5

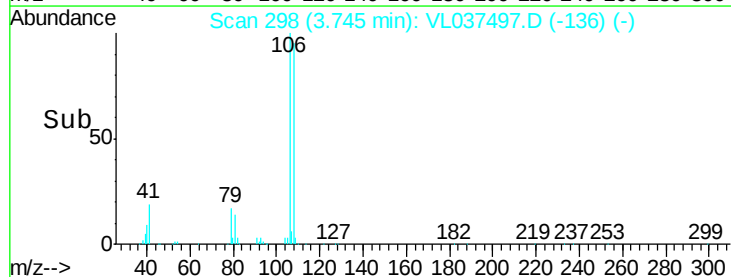
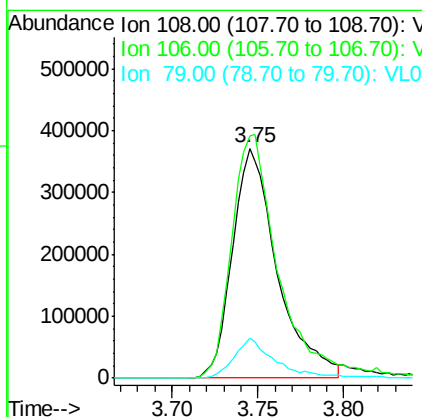
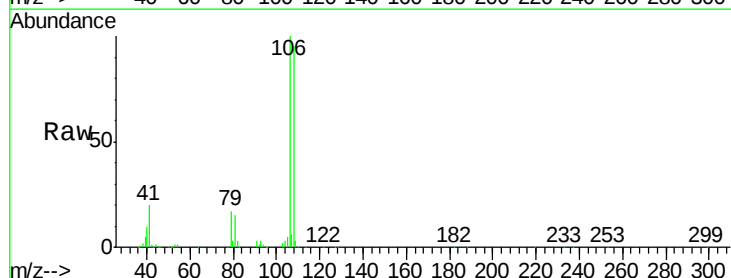
Manual Integrations
APPROVED

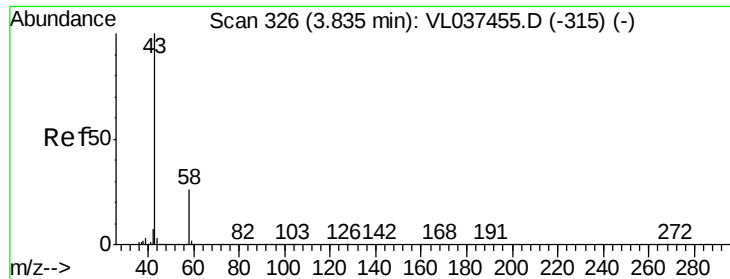
MMDadoda
8/20/2021 6:31:01 PM



#14
Bromoethene
Concen: 9.011 ppbv
RT: 3.75 min Scan# 298
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Tgt Ion	Ratio	Lower	Upper
108	100		
106	113.2	85.8	128.8
79	16.8	12.6	18.8





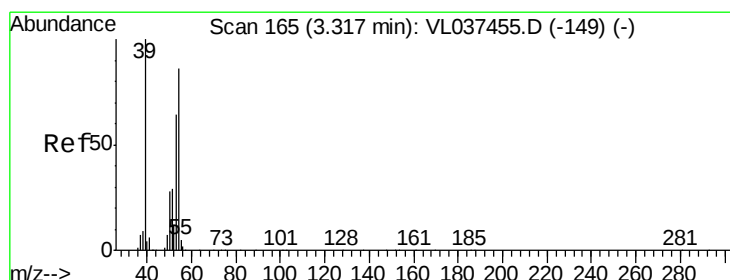
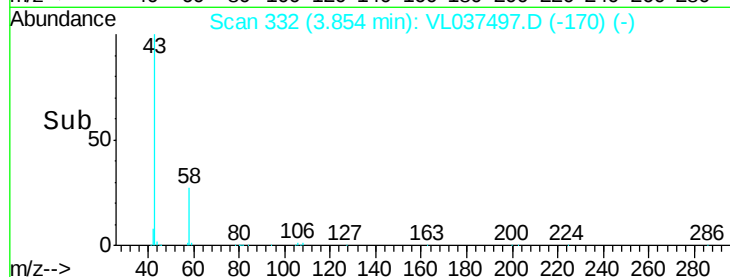
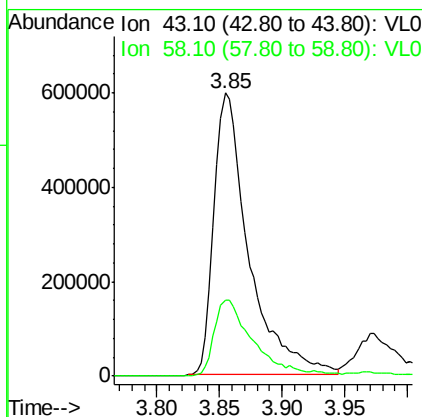
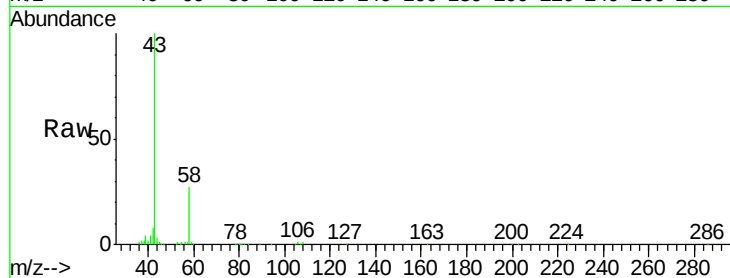
#15
Acetone
Concen: 7.704 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABS01

Tot Ion: 43 Resp: 1164961
Ion Ratio Lower Upper
43 100
58 30.2 24.8 37.2

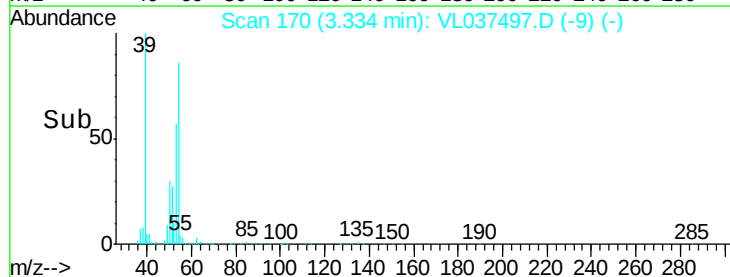
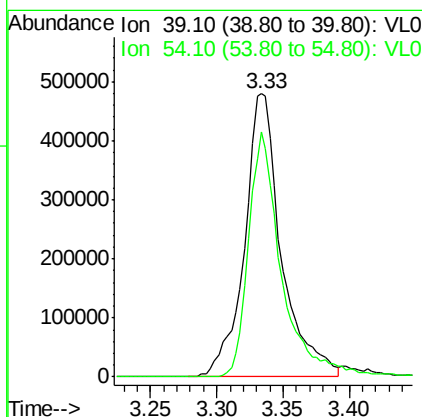
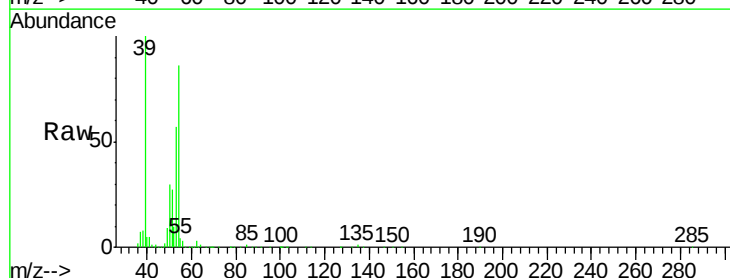
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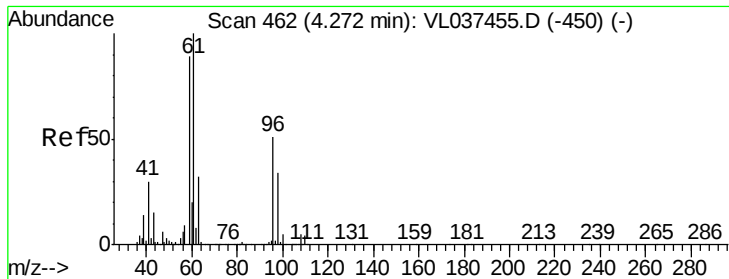
MMDadoda
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#16
1,3-Butadiene
Concen: 9.555 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Tgt Ion: 39 Resp: 926858
Ion Ratio Lower Upper
39 100
54 78.0 63.7 95.5





#17

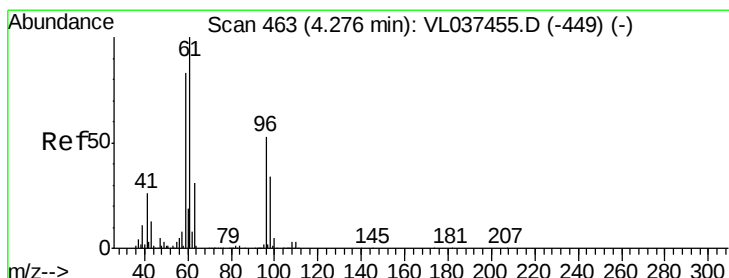
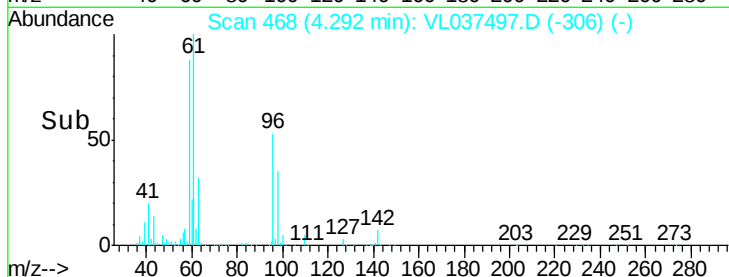
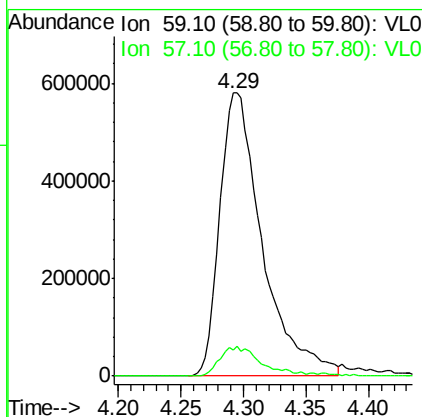
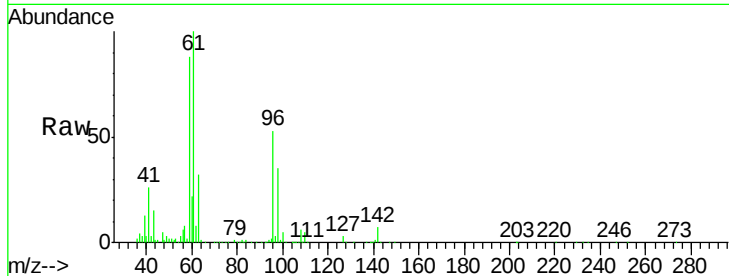
tert-Butyl alcohol
Concen: 9.917 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABS01

Tot Ion: 59 Resp: 1369928
Ion Ratio Lower Upper
59 100
57 11.2 8.3 12.5

Manual Integrations
APPROVED

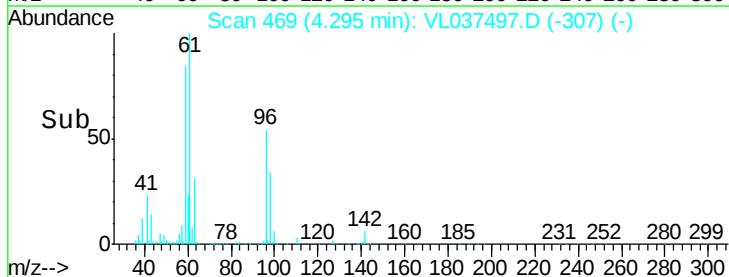
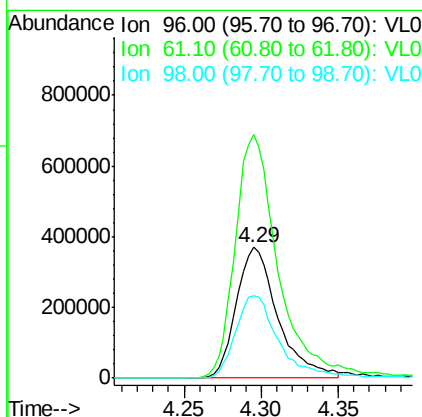
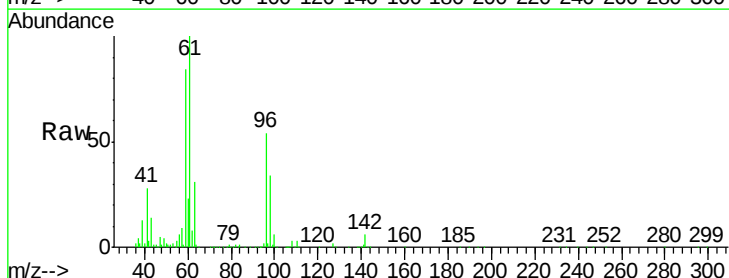
MMDadoda
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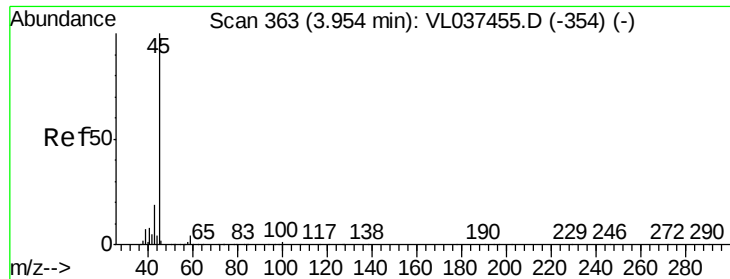


#18

1,1-Dichloroethene
Concen: 9.293 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Tgt Ion: 96 Resp: 693229
Ion Ratio Lower Upper
96 100
61 186.3 151.1 226.7
98 62.7 51.8 77.8





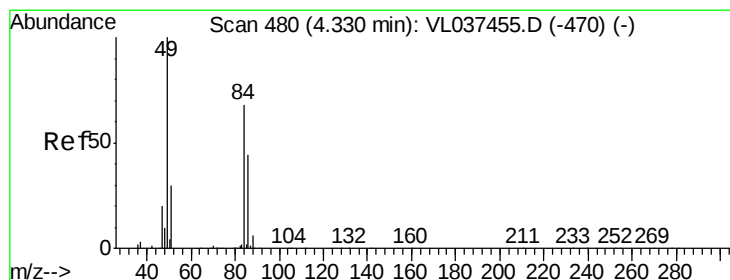
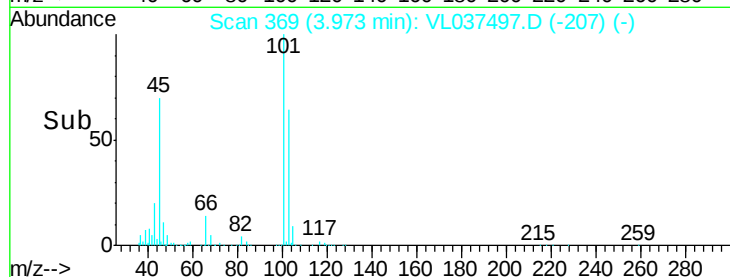
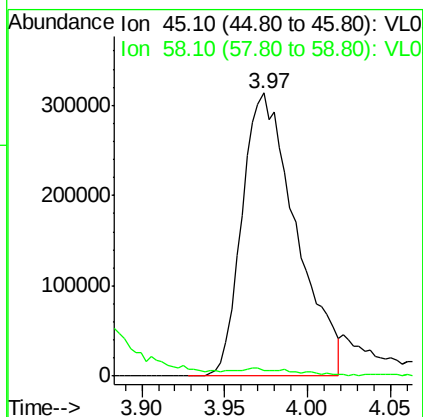
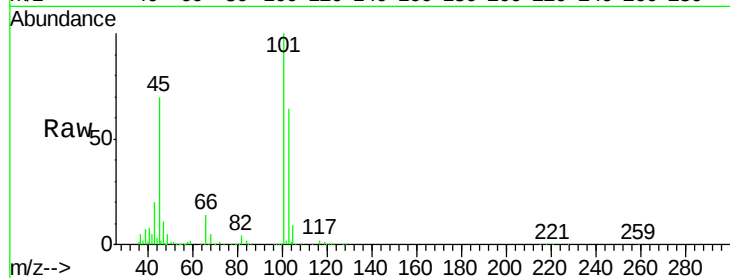
#19
Isopropyl Alcohol
Concen: 8.186 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABS01

Tot Ion: 45 Resp: 709220
Ion Ratio Lower Upper
45 100
58 4.1 1.4 2.2#

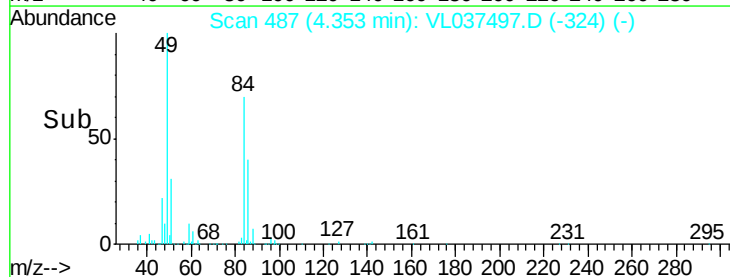
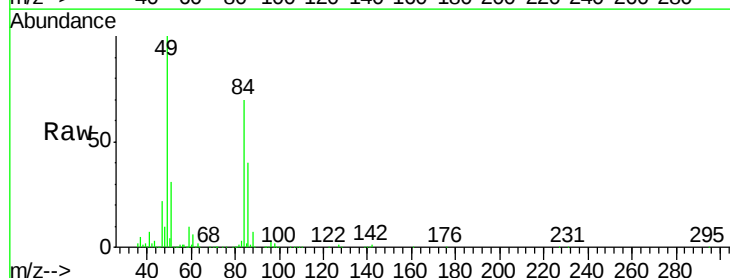
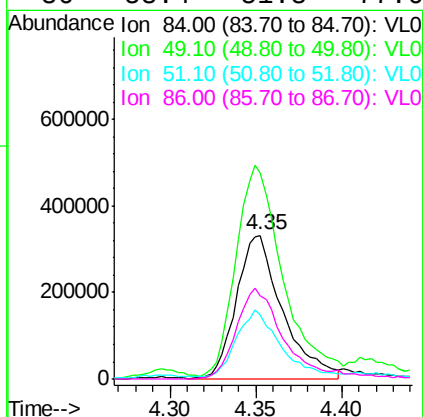
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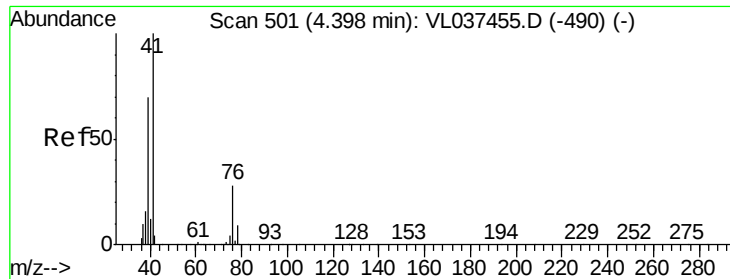
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#20
Methylene Chloride
Concen: 8.086 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Tgt Ion: 84 Resp: 612198
Ion Ratio Lower Upper
84 100
49 141.0 118.2 177.2
51 41.6 36.6 55.0
86 58.4 51.8 77.6





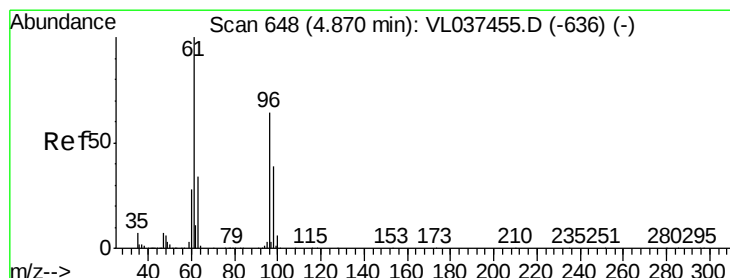
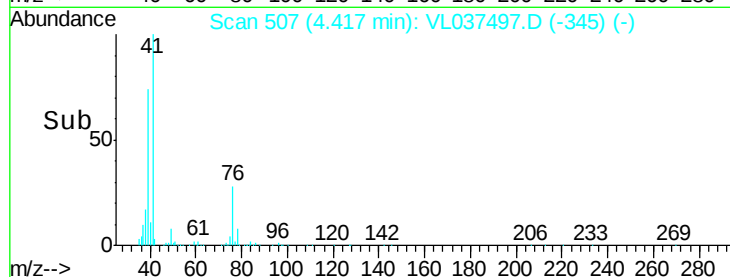
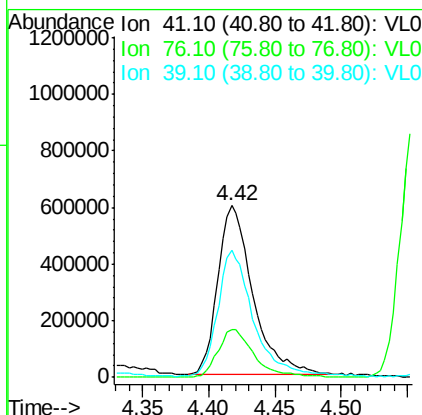
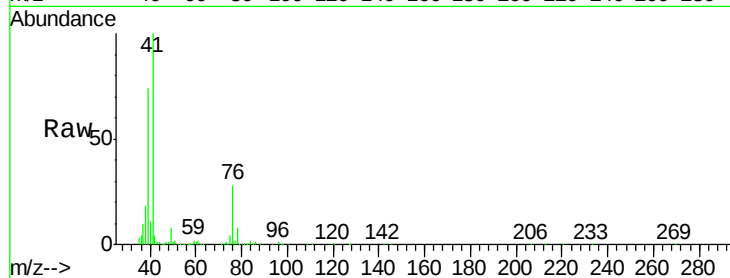
#21
Allvl Chloride
Concen: 8.971 ppbv
RT: 4.42 min Scan# 507
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.5	21.8	32.6
39	76.6	56.8	85.2

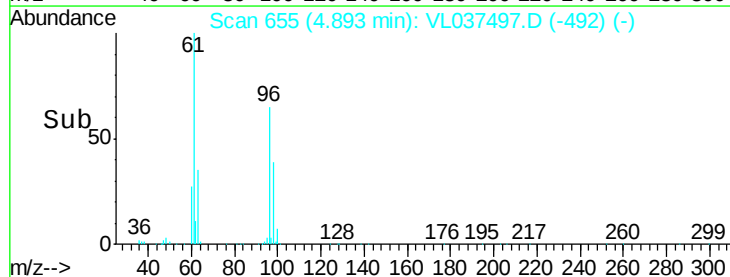
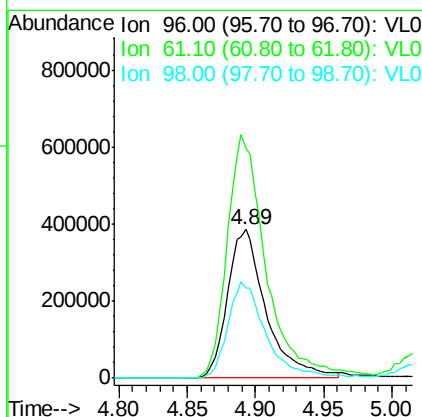
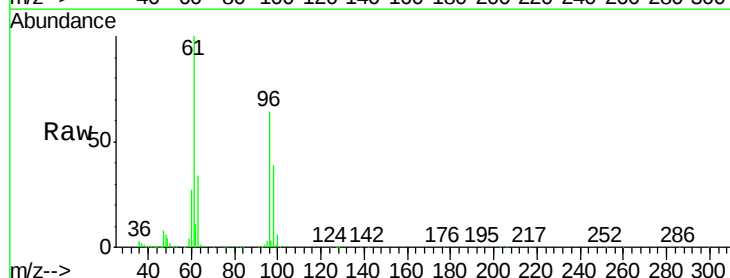
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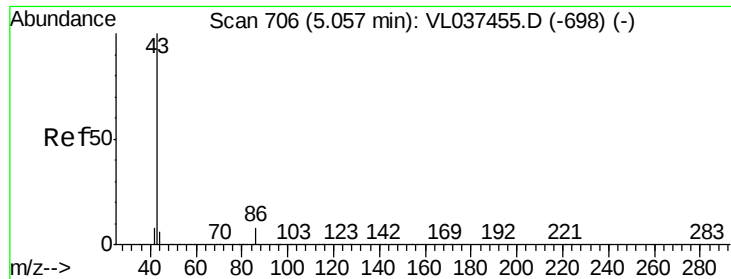
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#22
trans-1,2-Dichloroethene
Concen: 10.189 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.1	125.5	188.3
98	60.9	49.0	73.4





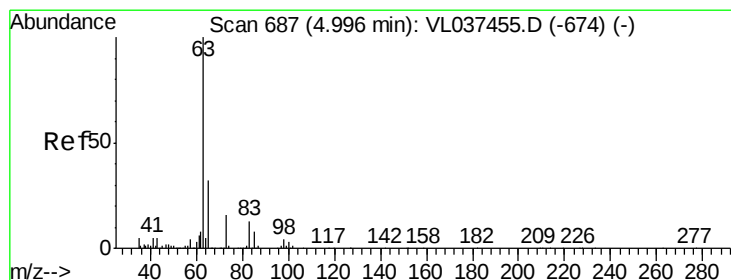
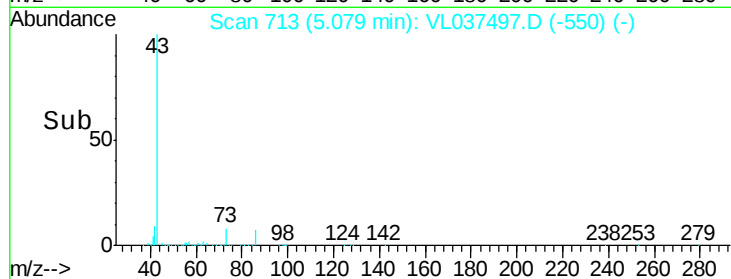
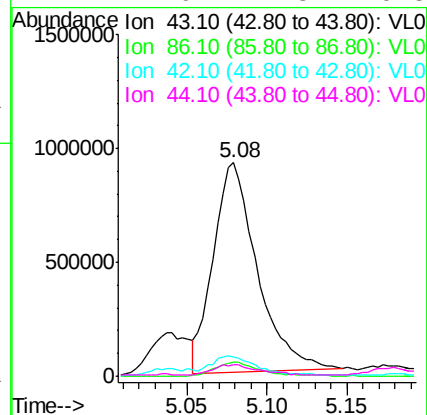
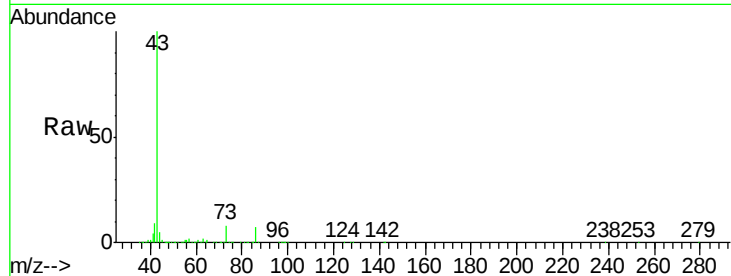
#23
 Vinyl Acetate
 Concen: 7.819 ppbv
 RT: 5.08 min Scan# 713
 Delta R.T. 0.02 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0819ABS01

Tot Ion	43	Resp	1742789
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.7	8.5
42	9.0	7.4	11.2
44	4.9	4.3	6.5

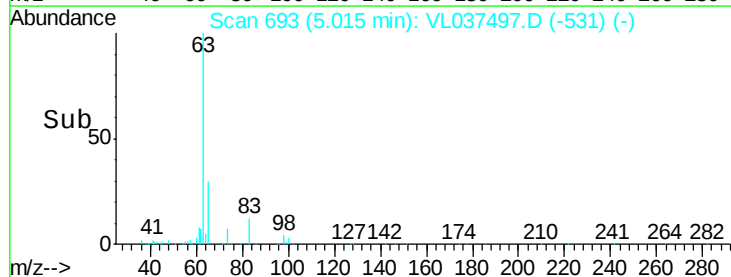
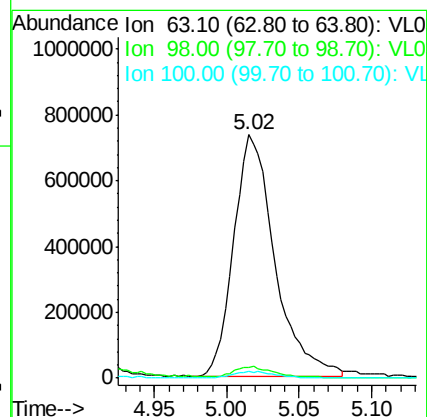
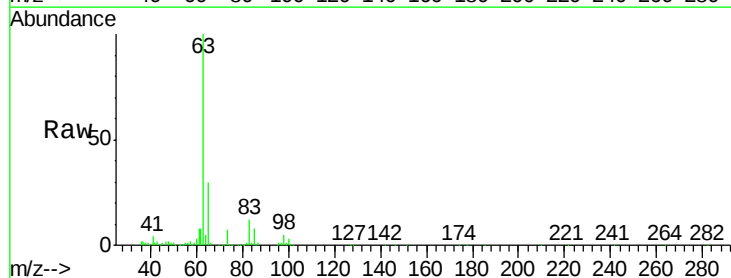
Manual Integrations
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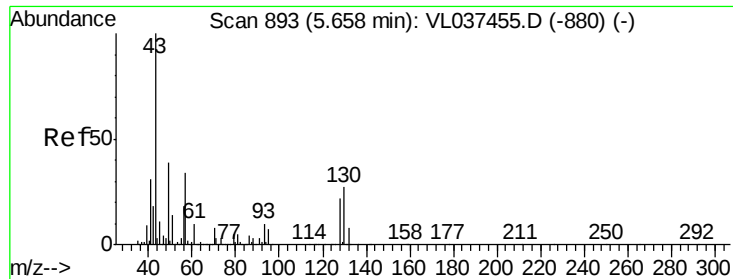
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#24
 1,1-Dichloroethane
 Concen: 9.004 ppbv
 RT: 5.02 min Scan# 693
 Delta R.T. 0.02 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Tgt Ion	63	Resp	1455592
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.3
100	2.5	1.6	4.7





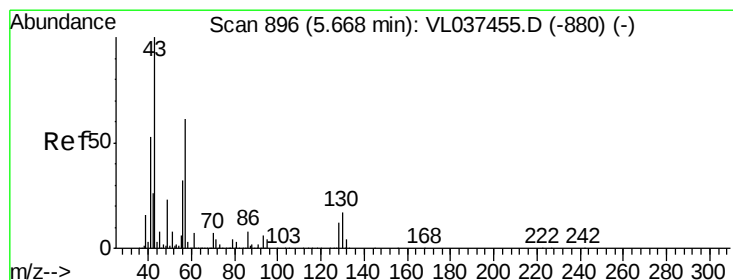
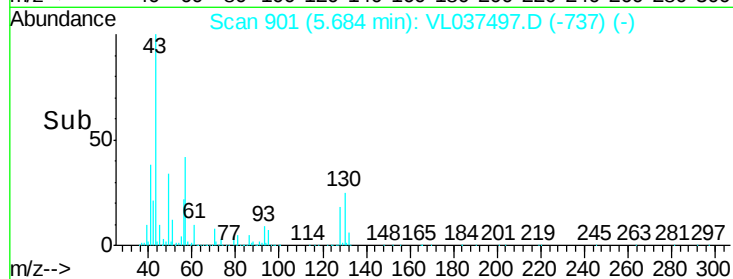
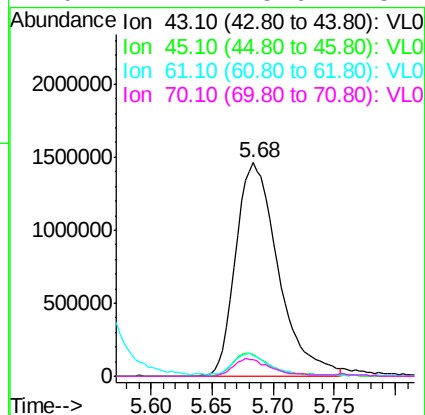
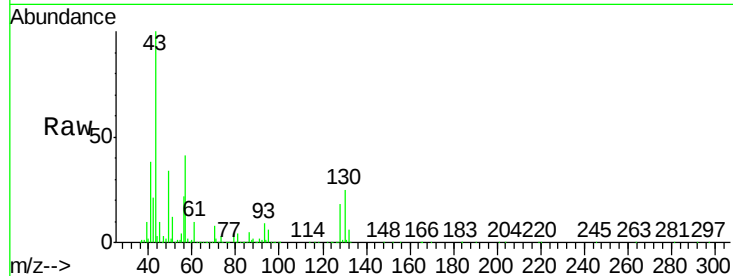
#25
Ethyl Acetate
Concen: 9.197 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.03 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABS01

Tot Ion:	43	Resp:	3530638
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.9	8.0	12.0
70	7.4	5.6	8.4

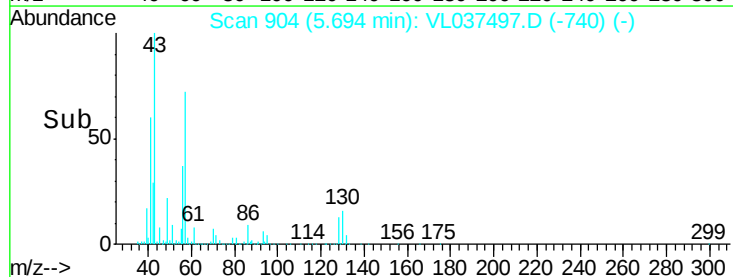
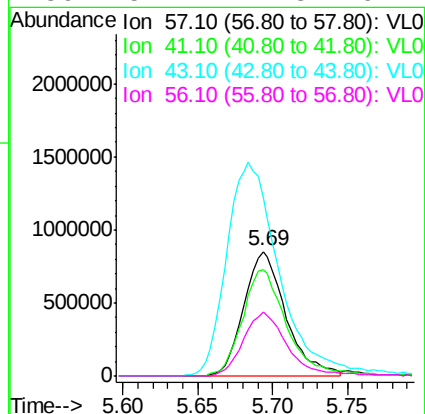
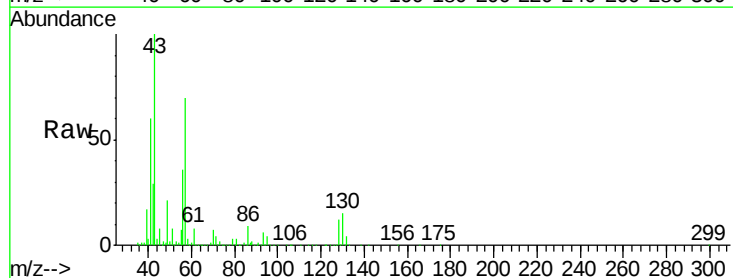
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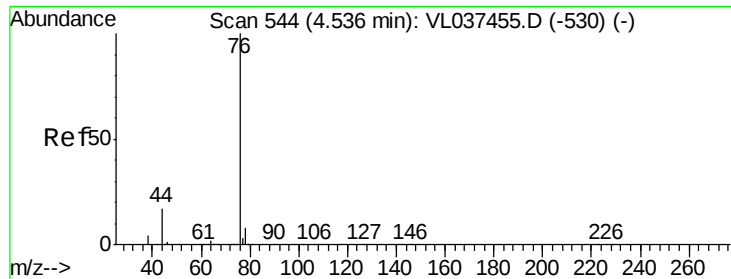
MMDadoda
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#26
Hexane
Concen: 8.870 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.03 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Tgt Ion:	57	Resp:	1664846
Ion	Ratio	Lower	Upper
57	100		
41	91.8	72.3	108.5
43	217.3	172.3	258.5
56	54.4	42.8	64.2





#27

Carbon Disulfide

Concen: 10.640 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.02 min

Lab File: VL037497.D

Acq: 19 Aug 2021 13:08

Instrument :

MSVOA_L

ClientSampleId :

VL0819ABS01

Tot Ion: 76 Resp: 1779772

Ion Ratio Lower Upper

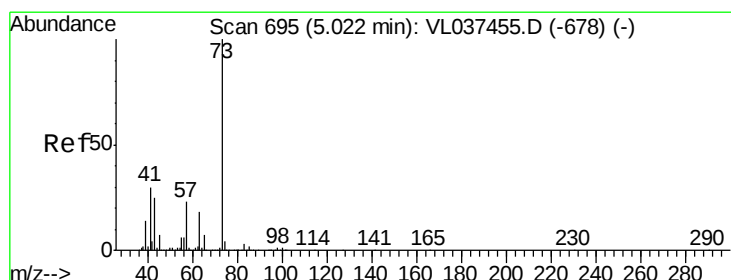
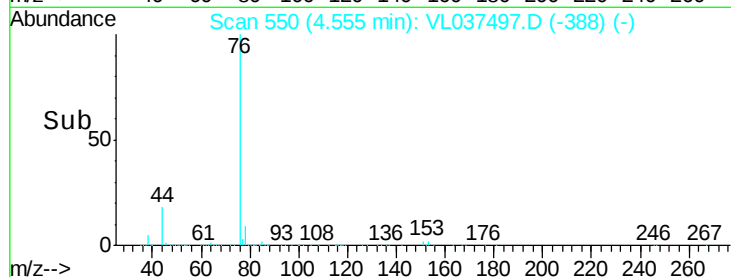
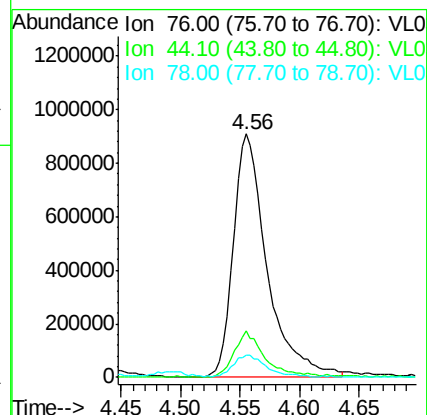
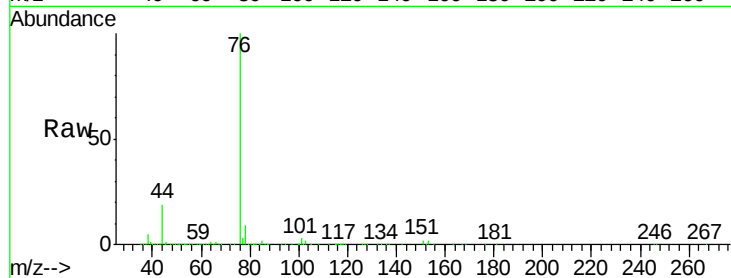
76 100

44 17.4 13.9 20.9

78 9.9 7.9 11.9

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 8.374 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.02 min

Lab File: VL037497.D

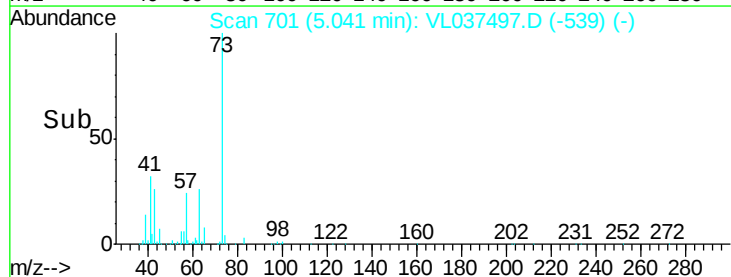
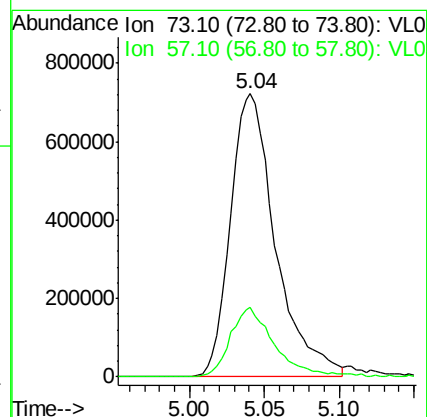
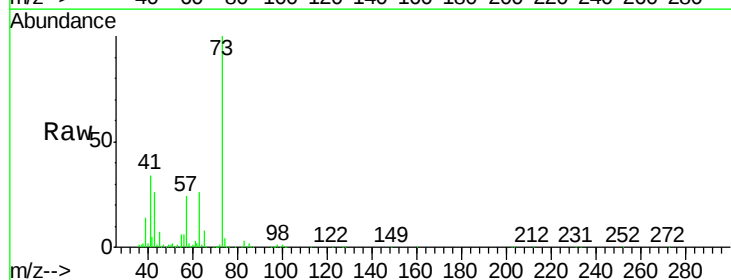
Acq: 19 Aug 2021 13:08

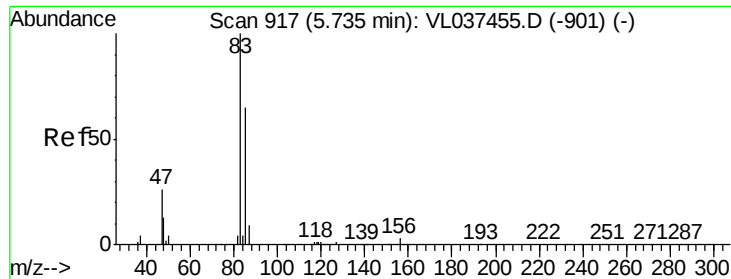
Tgt Ion: 73 Resp: 1509597

Ion Ratio Lower Upper

73 100

57 24.5 19.4 29.2





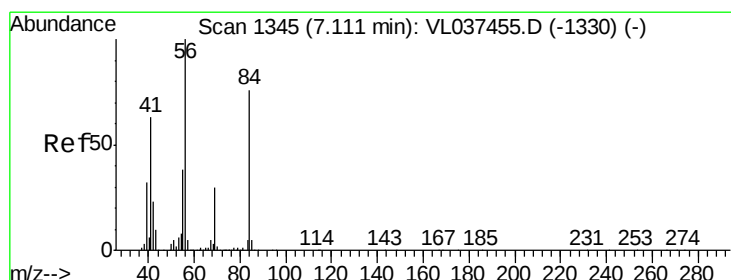
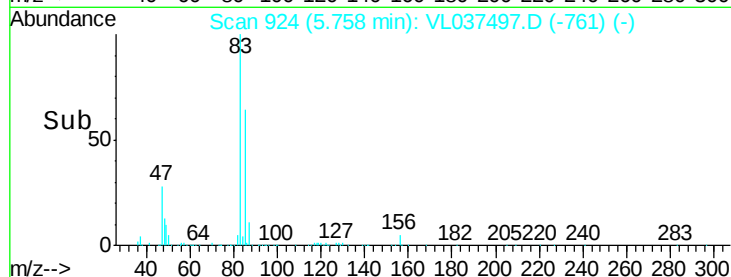
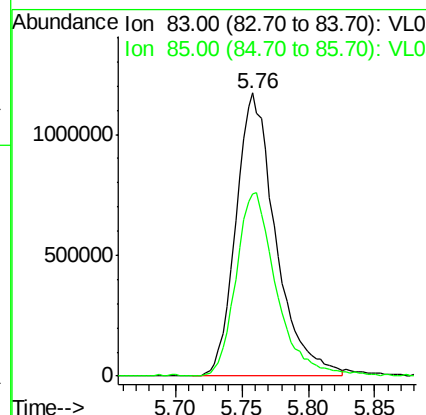
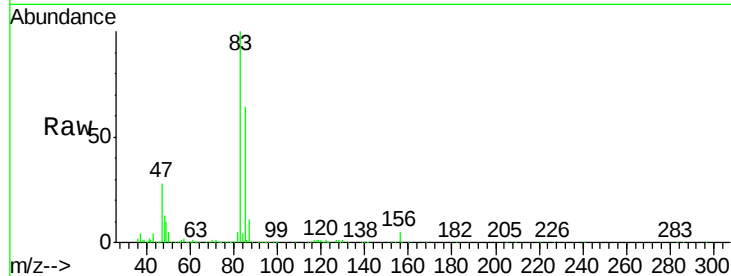
#29
Chloroform
Concen: 9.192 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABS01

Tot Ion: 83 Resp: 2445118
Ion Ratio Lower Upper
83 100
85 64.3 52.3 78.5

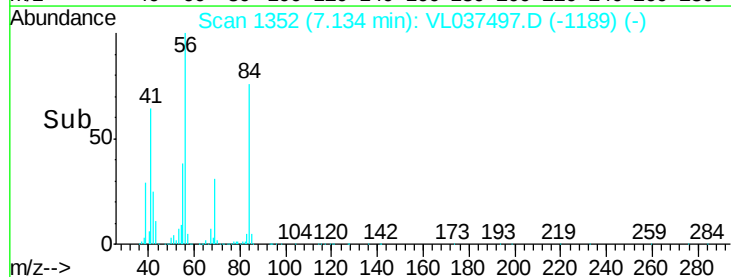
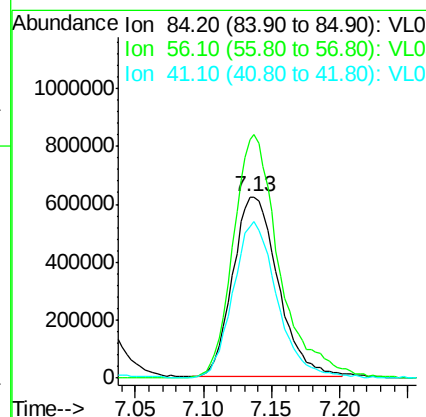
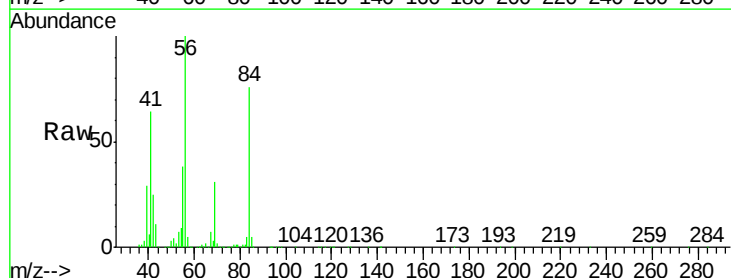
Manual Integrations
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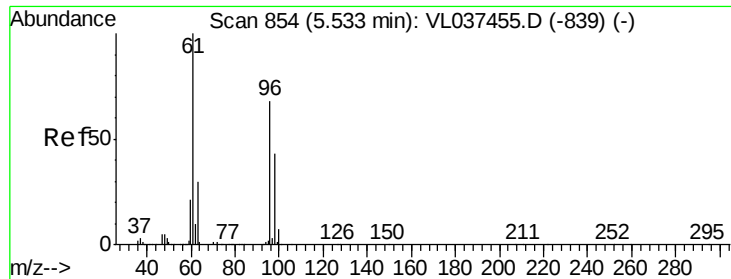
MMDadoda
8/20/2021 6:31:01 PM



#30
Cyclohexane
Concen: 9.197 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Tgt Ion: 84 Resp: 1438386
Ion Ratio Lower Upper
84 100
56 138.3 110.6 165.8
41 84.2 67.0 100.6





#31

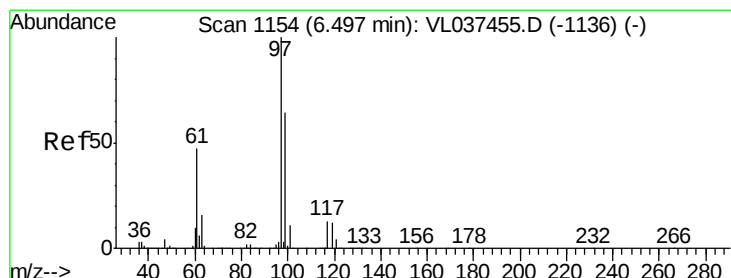
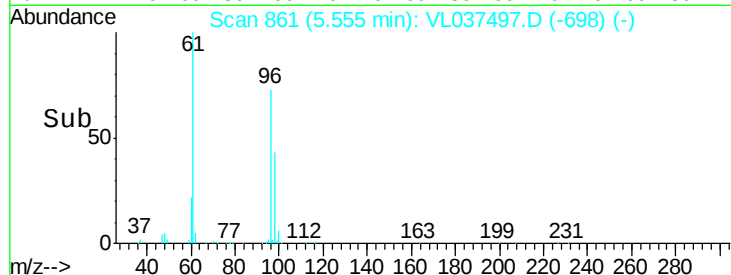
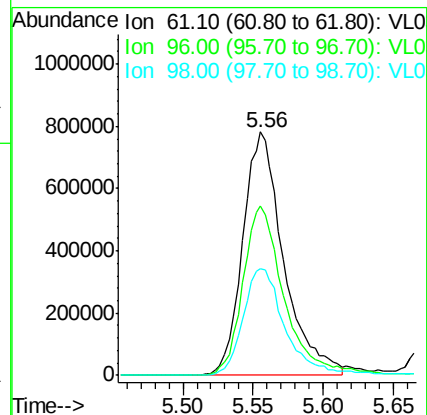
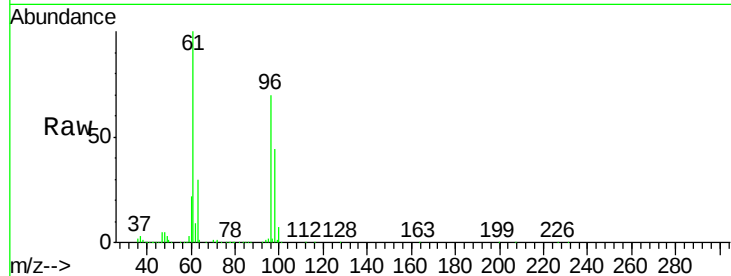
cis-1,2-Dichloroethene
Concen: 9.303 ppbv
RT: 5.56 min Scan# 861
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Instrument :
MSVOA_L
ClientSampled :
VL0819ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	69.7	54.8	82.2
98	43.6	34.2	51.2

Manual Integrations
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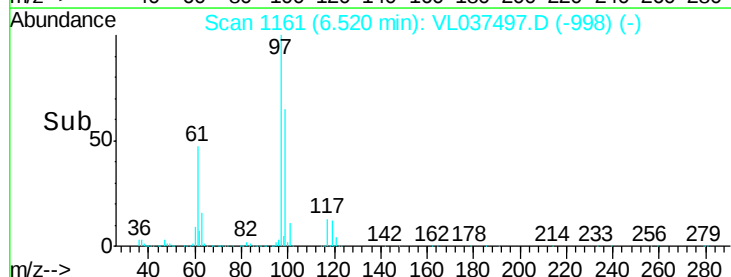
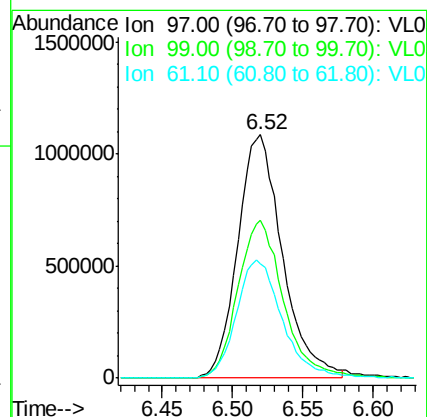
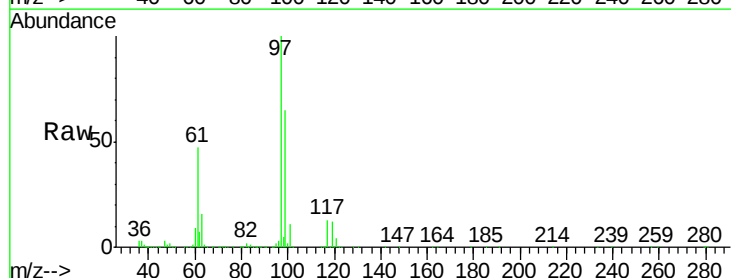
MMDadoda
8/20/2021 6:31:01 PM

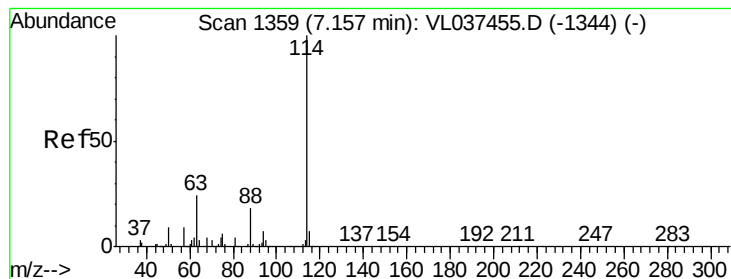


#32

1,1,1-Trichloroethane
Concen: 9.204 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.4	51.8	77.6
61	50.2	39.6	59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.03 min

Lab File: VL037497.D

Acq: 19 Aug 2021 13:08

Instrument :

MSVOA_L

ClientSampleId :

VL0819ABS01

Tot Ion:114 Resp: 4317522

Ion Ratio Lower Upper

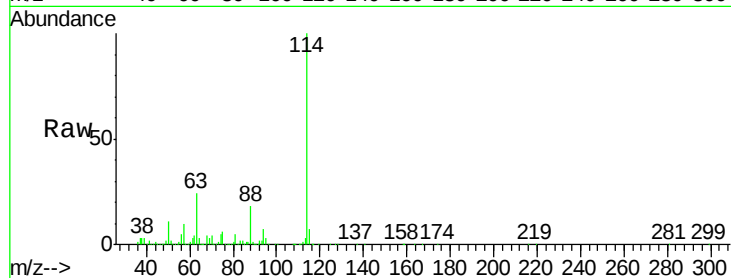
114 100

63 24.4 19.3 28.9

88 17.9 14.2 21.4

Manual Integrations
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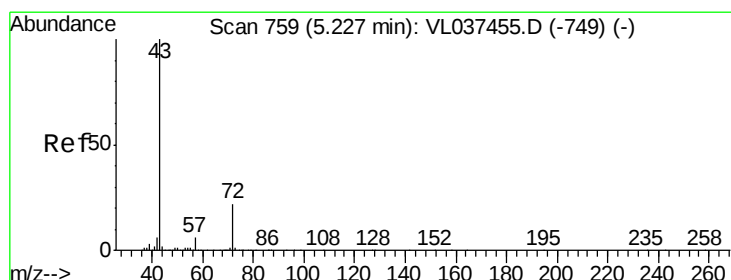
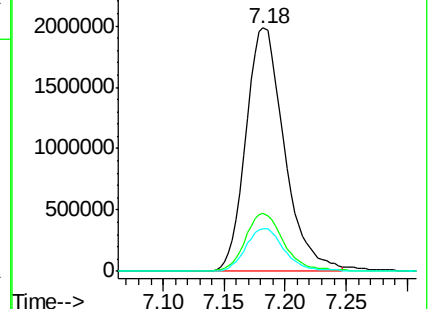
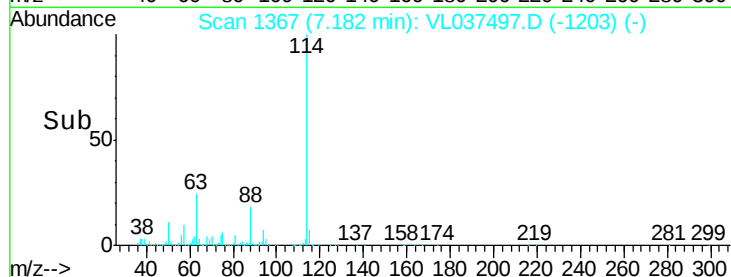
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.570 ppbv

RT: 5.25 min Scan# 766

Delta R.T. 0.02 min

Lab File: VL037497.D

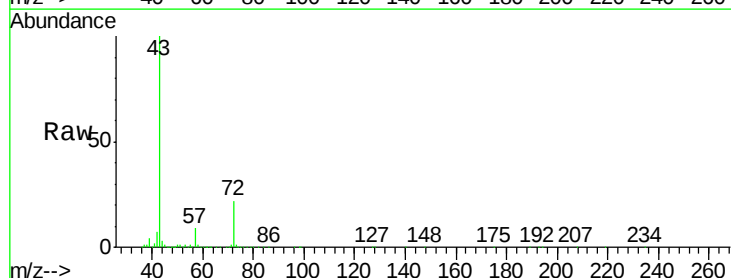
Acq: 19 Aug 2021 13:08

Tgt Ion: 43 Resp: 1510967

Ion Ratio Lower Upper

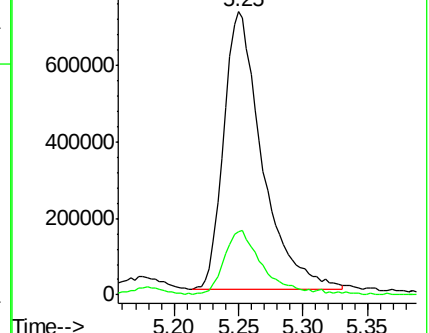
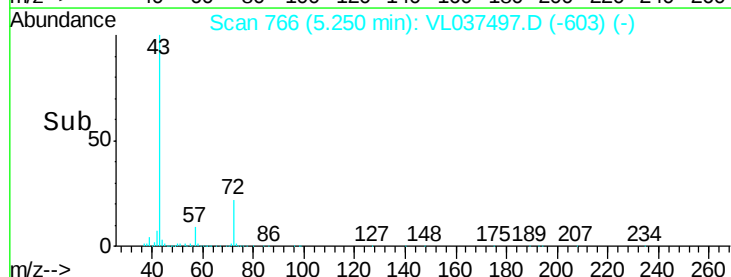
43 100

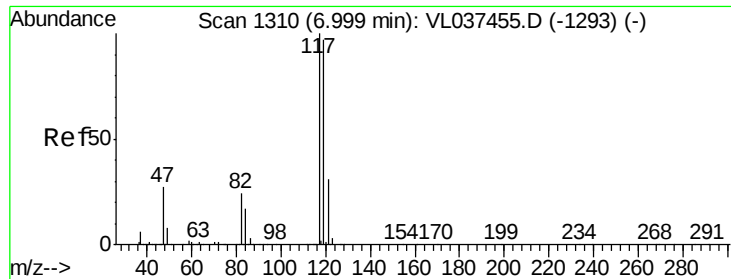
72 24.0 17.4 26.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.925 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.03 min

Lab File: VL037497.D

Acq: 19 Aug 2021 13:08

Instrument :

MSVOA_L

ClientSampleId :

VL0819ABS01

Tot Ion:117 Resp: 2532540

Ion Ratio Lower Upper

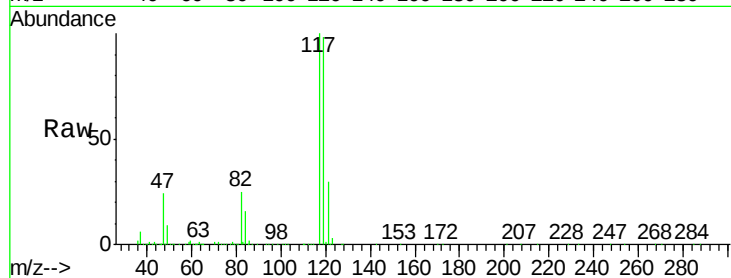
117 100

119 97.7 77.3 115.9

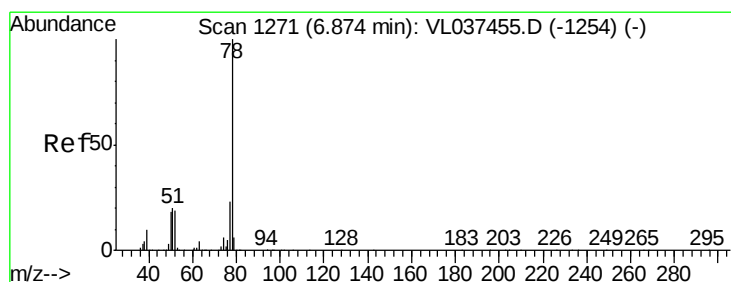
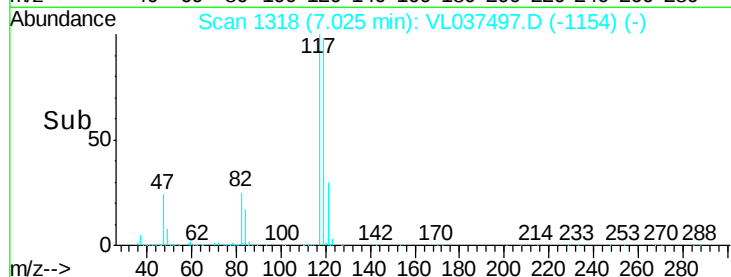
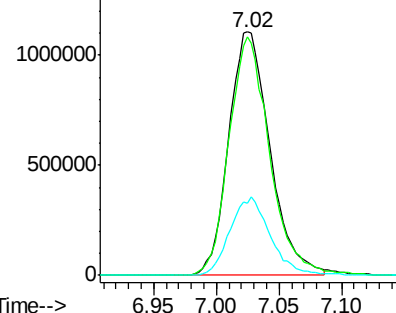
121 29.9 25.2 37.8

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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: 9.772 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.03 min

Lab File: VL037497.D

Acq: 19 Aug 2021 13:08

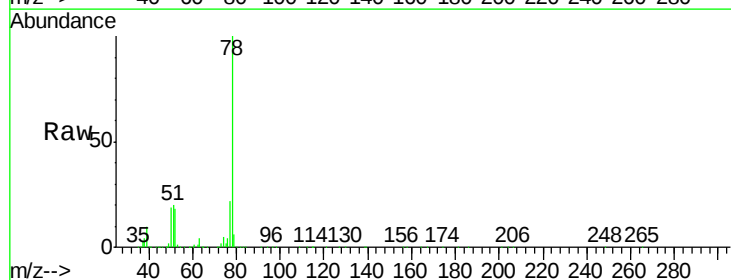
Tgt Ion: 78 Resp: 3546958

Ion Ratio Lower Upper

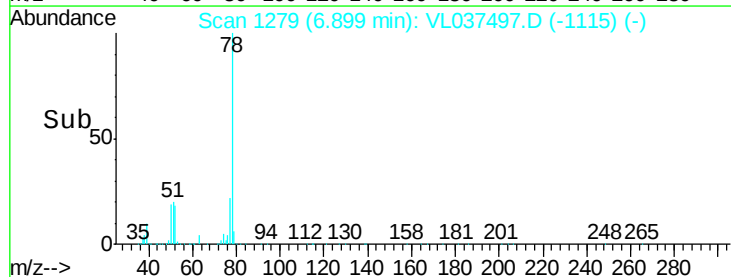
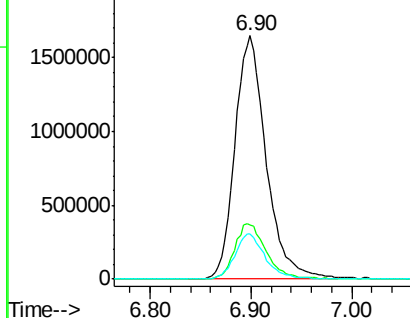
78 100

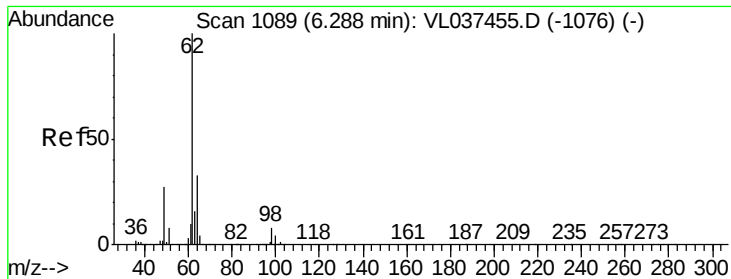
77 22.3 18.2 27.4

50 18.6 14.6 21.8



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





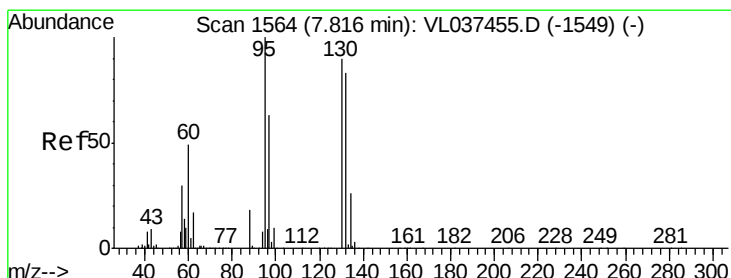
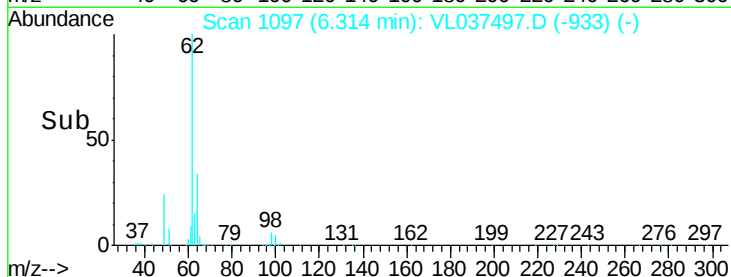
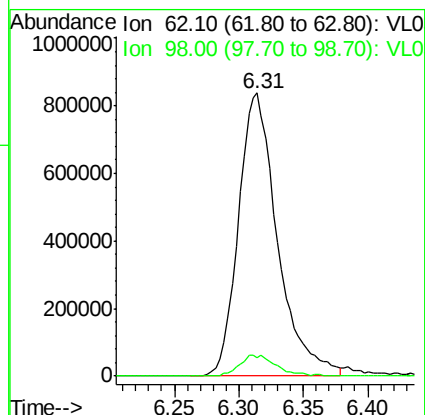
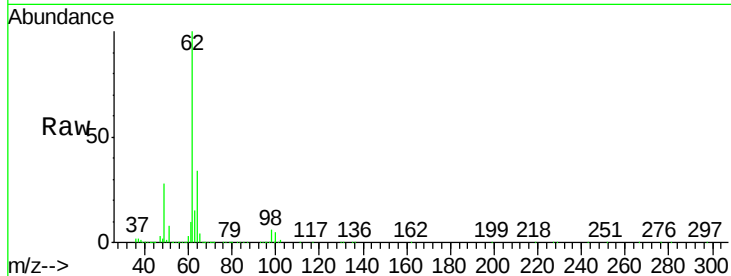
#37
 1,2-Dichloroethane
 Concen: 9.819 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.03 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0819ABS01

Tot Ion: 62 Resp: 1765280
 Ion Ratio Lower Upper
 62 100
 98 7.3 6.0 9.0

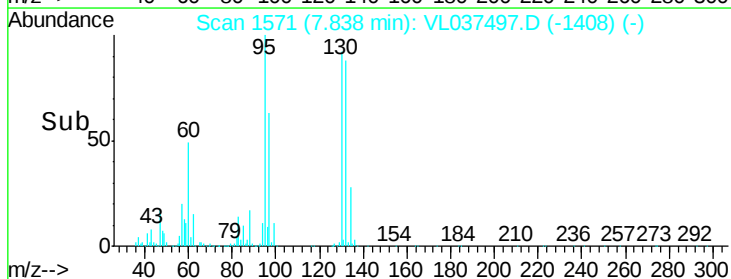
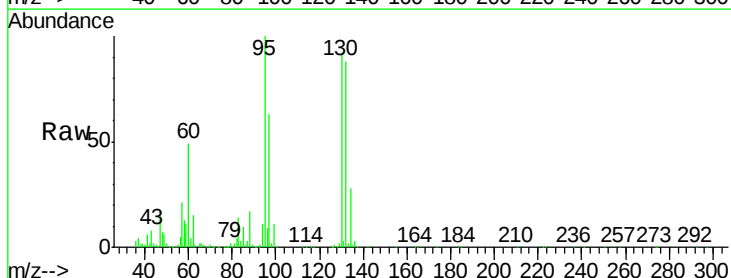
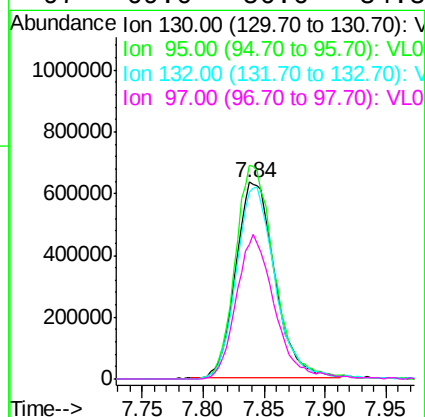
Manual Integrations
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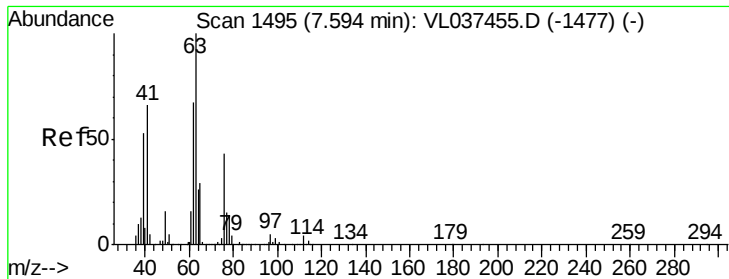
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#38
 Trichloroethene
 Concen: 9.411 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.02 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Tgt Ion: 130 Resp: 1401394
 Ion Ratio Lower Upper
 130 100
 95 109.2 89.2 133.8
 132 95.8 74.0 111.0
 97 69.0 56.6 84.8





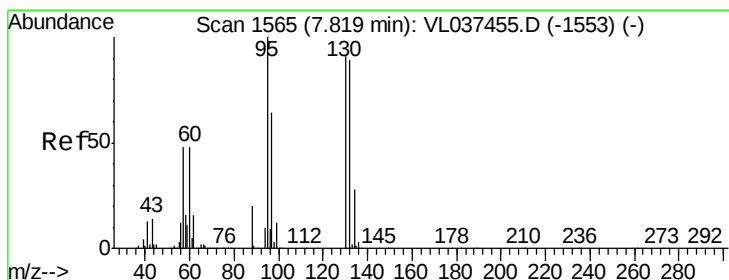
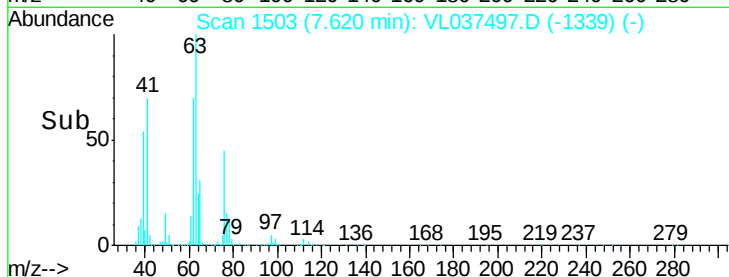
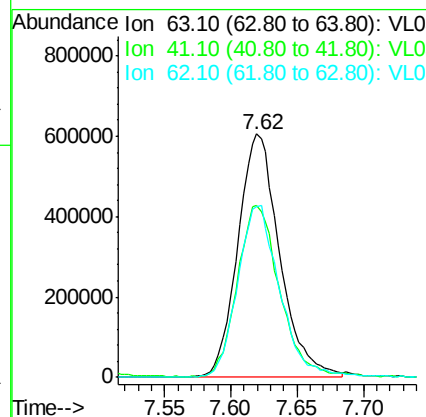
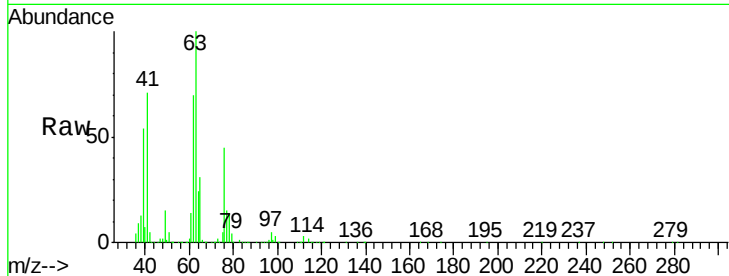
#39
 1,2-Dichloropropane
 Concen: 9.518 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. 0.03 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0819ABS01

Tot Ion: 63 Resp: 1327489
 Ion Ratio Lower Upper
 63 100
 41 70.2 52.4 78.6
 62 70.1 53.6 80.4

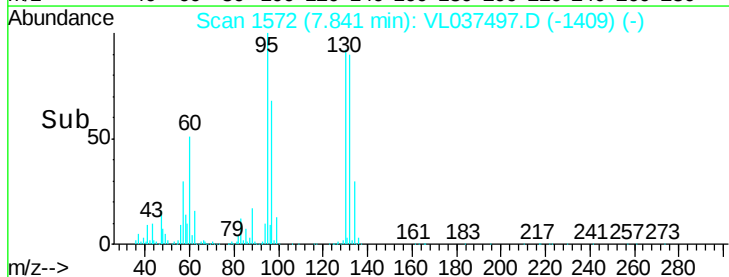
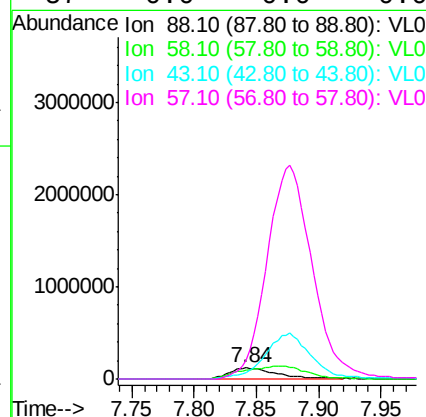
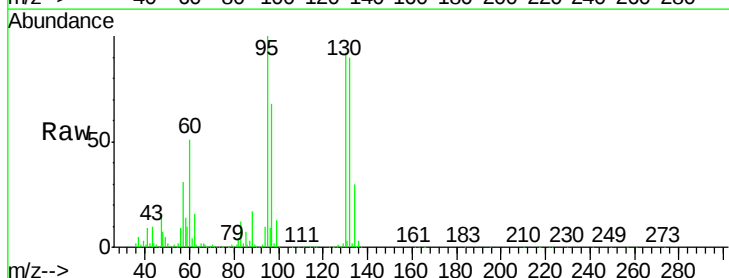
Manual Integrations
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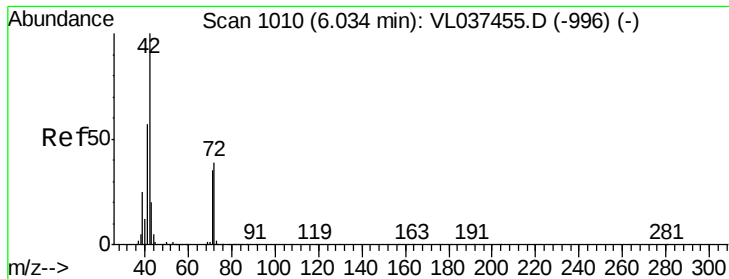
MMDadoda
 8/20/2021 6:31:01 PM



#40
 1,4-Dioxane
 Concen: 9.489 ppbv m
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.02 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Tgt Ion: 88 Resp: 324220
 Ion Ratio Lower Upper
 88 100
 58 0.0 0.0 0.0
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0





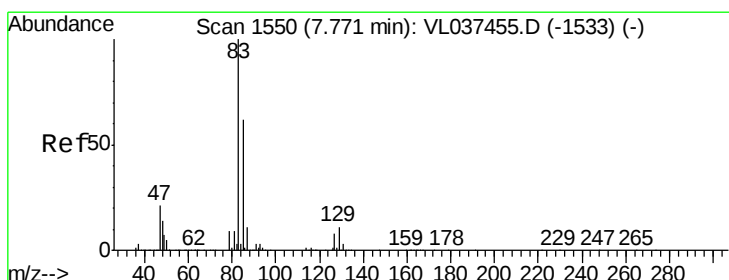
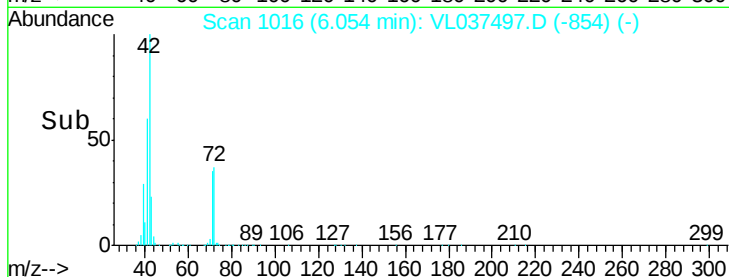
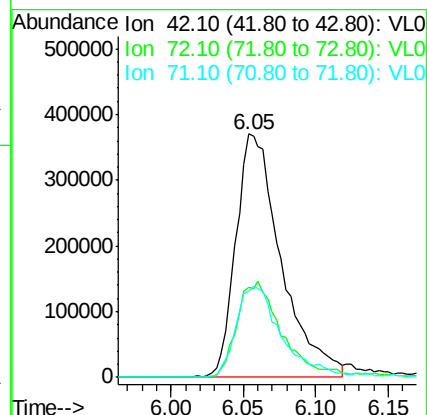
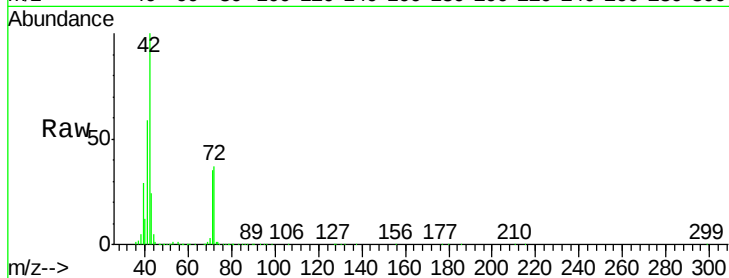
#41
Tetrahydrofuran
Concen: 9.462 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.2	48.4
71	39.1	30.5	45.7

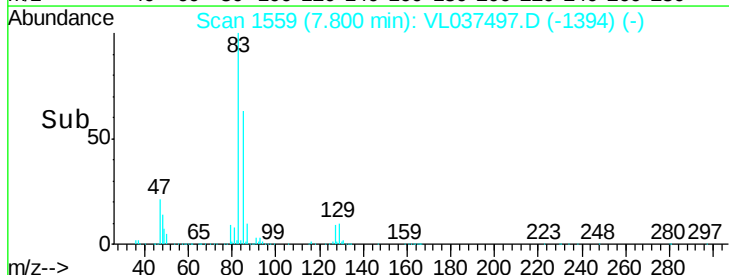
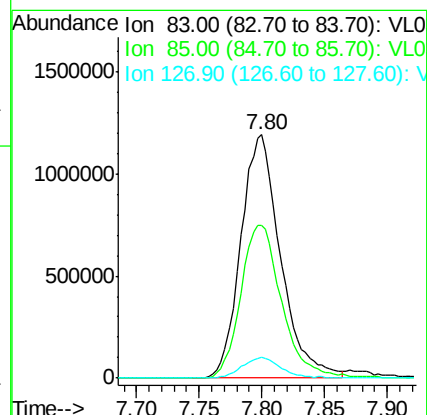
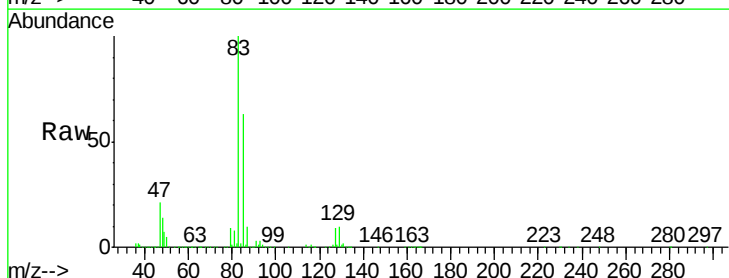
Manual Integrations
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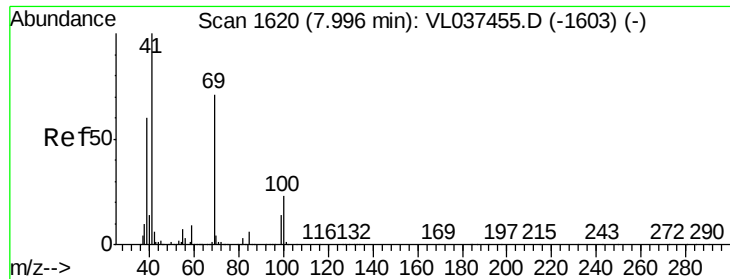
MMDadoda
8/20/2021 6:31:01 PM



#42
Bromodichloromethane
Concen: 9.986 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.03 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	49.5	74.3
127	8.5	6.3	9.5





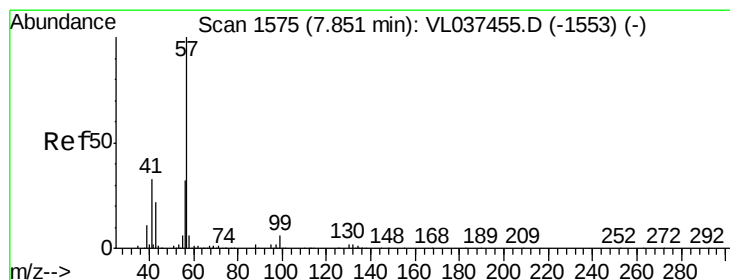
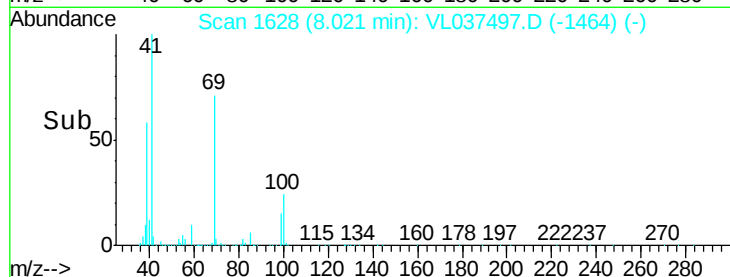
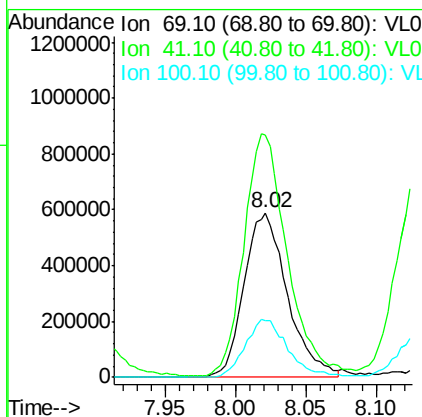
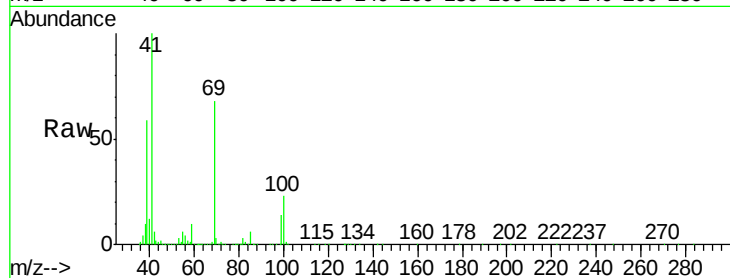
#43
Methvl Methacrylate
Concen: 10.024 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.03 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	148.7	118.6	178.0	
100	34.9	27.4	41.0	

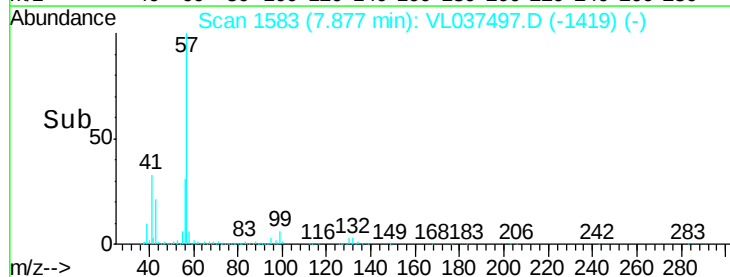
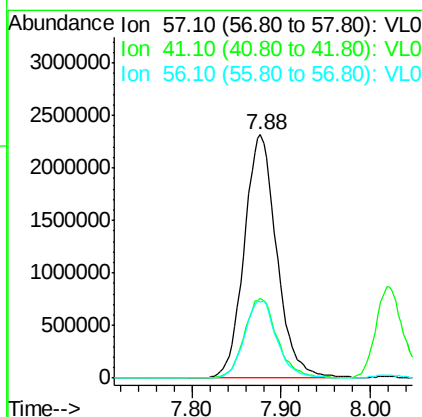
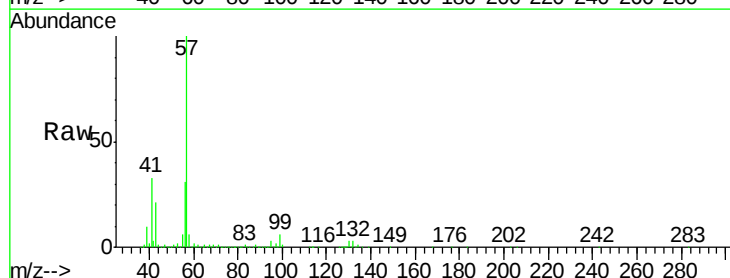
Manual Integrations
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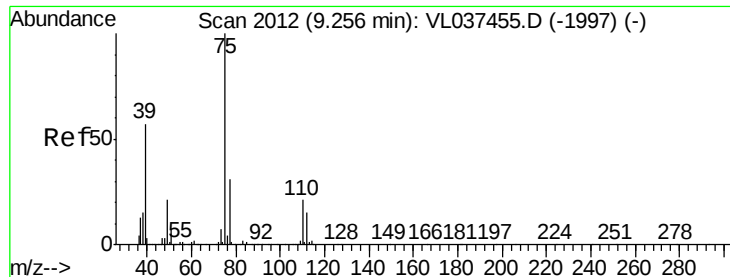
MMDadoda
8/20/2021 6:31:01 PM



#44
2,2,4-Trimethylpentane
Concen: 9.634 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.03 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.1	26.2	39.4	
56	31.8	25.4	38.2	





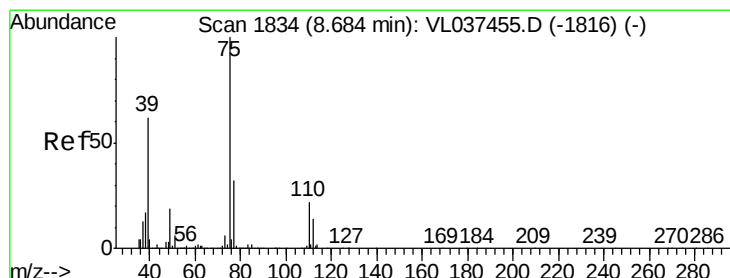
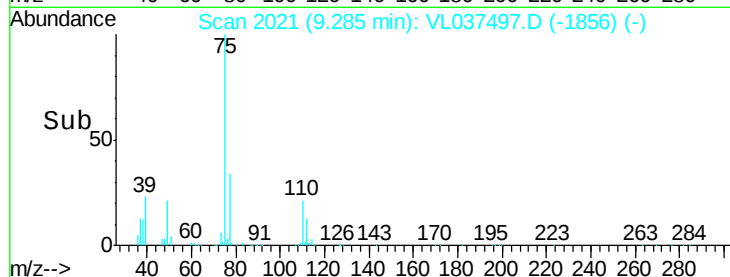
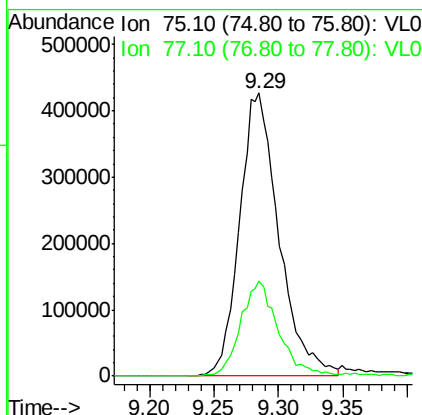
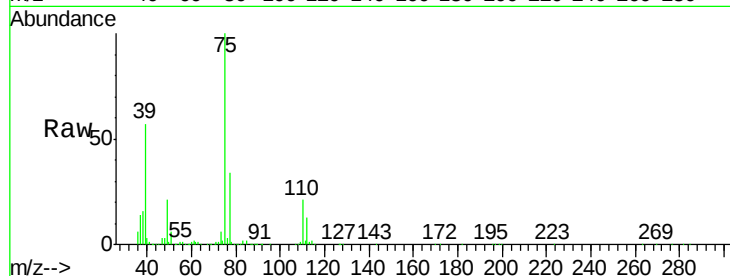
#45
t-1,3-Dichloropropene
Concen: 9.489 ppbv
RT: 9.29 min Scan# 2021
Delta R.T. 0.03 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABS01

Tot Ion: 75 Resp: 903661
Ion Ratio Lower Upper
75 100
77 33.7 24.5 36.7

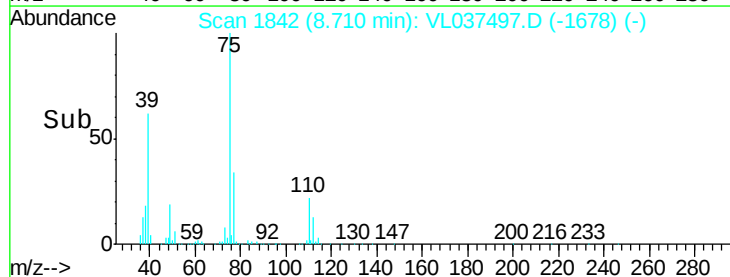
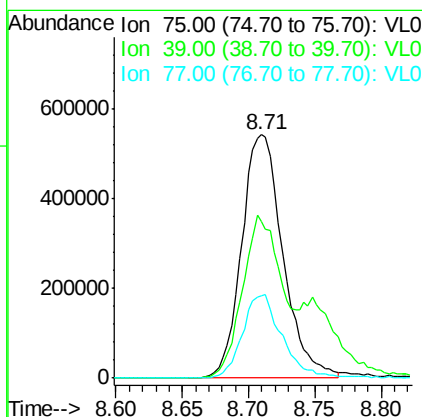
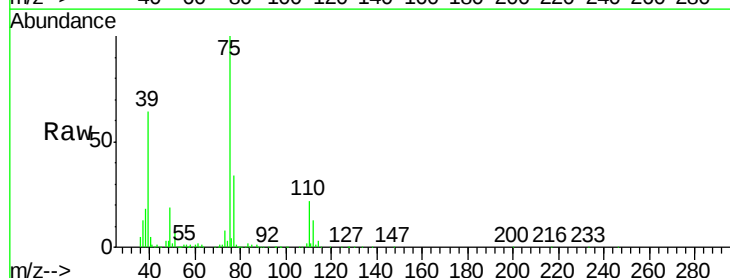
Manual Integrations
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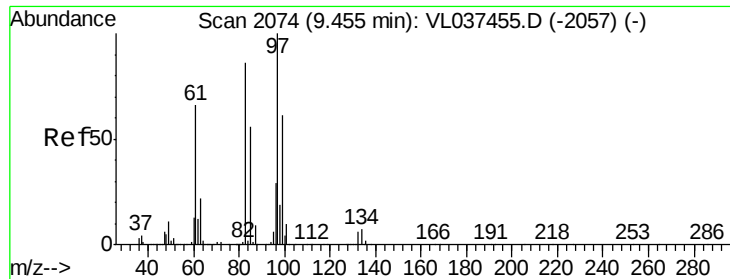
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 8.839 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. 0.03 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Tgt Ion: 75 Resp: 1174185
Ion Ratio Lower Upper
75 100
39 64.0 49.7 74.5
77 33.9 25.4 38.0





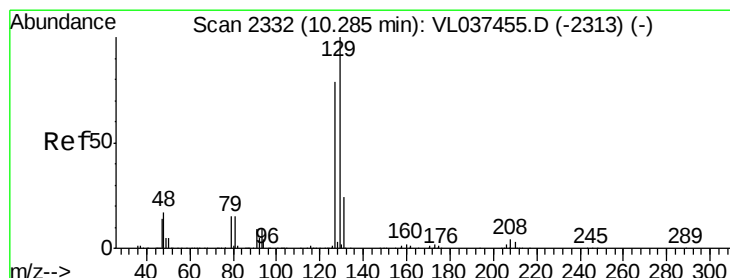
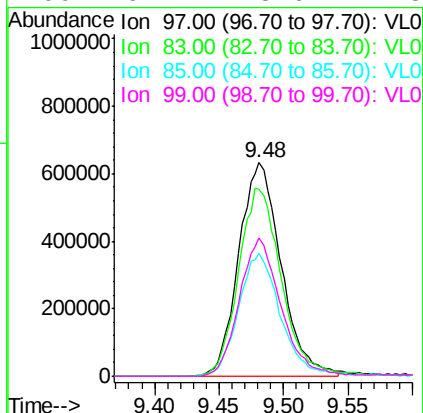
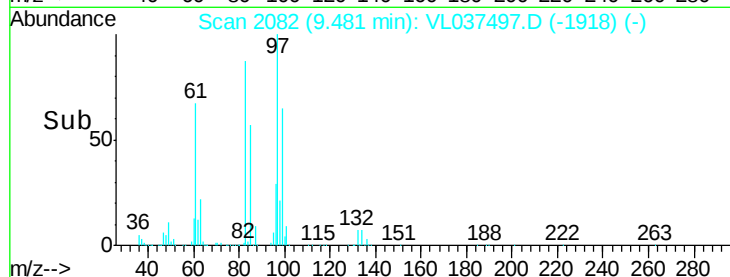
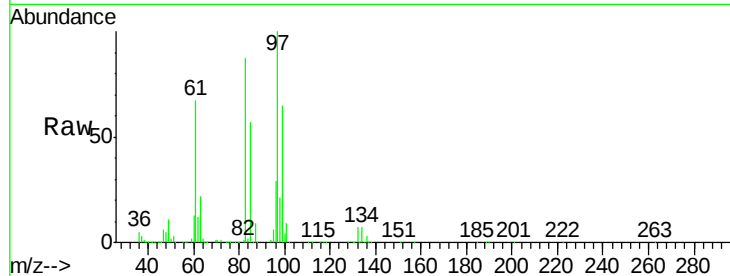
#47
 1,1,2-Trichloroethane
 Concen: 9.565 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. 0.03 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0819ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.2	68.7	103.1	
85	57.3	44.7	67.1	
99	64.7	48.6	72.8	

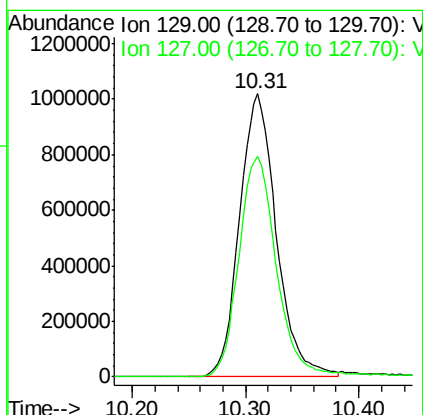
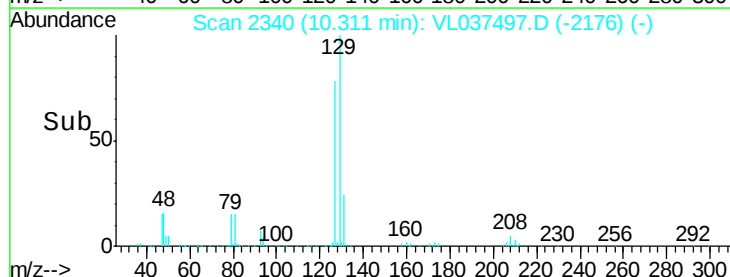
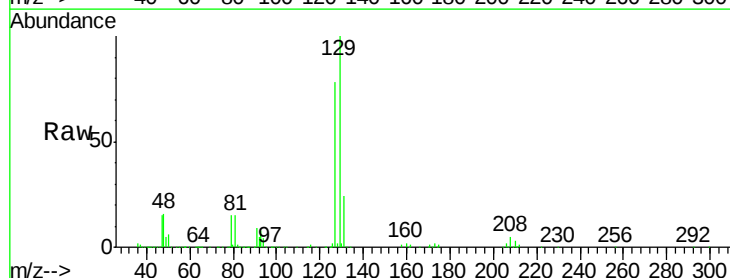
Manual Integrations
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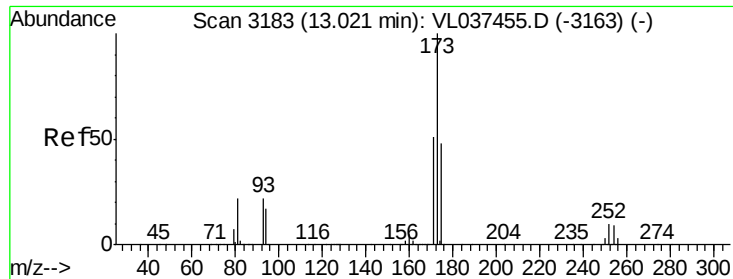
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#48
 Dibromochloromethane
 Concen: 10.637 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. 0.03 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	80.7	40.0	120.0	





#49

Bromoform

Concen: 10.747 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. 0.02 min

Lab File: VL037497.D

Acq: 19 Aug 2021 13:08

Instrument :

MSVOA_L

ClientSampleId :

VL0819ABS01

Tot Ion:173 Resp: 1837165

Ion Ratio Lower Upper

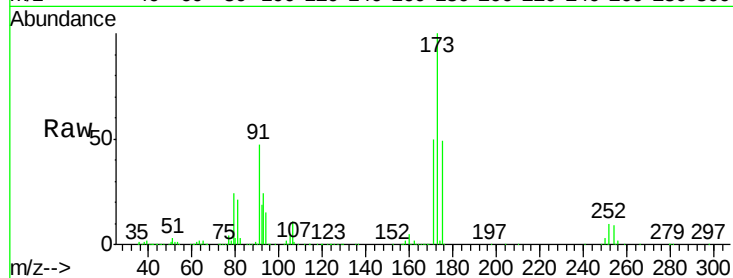
173 100

175 53.0 41.9 62.9

171 57.1 44.2 66.4

Manual Integrations
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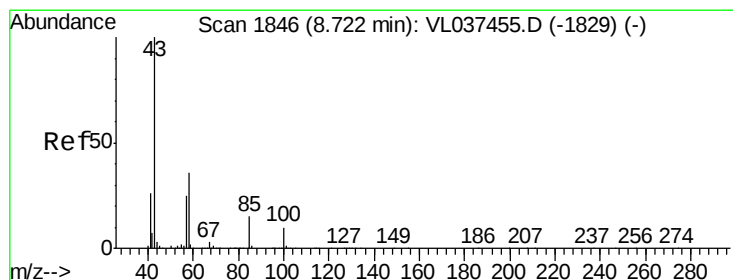
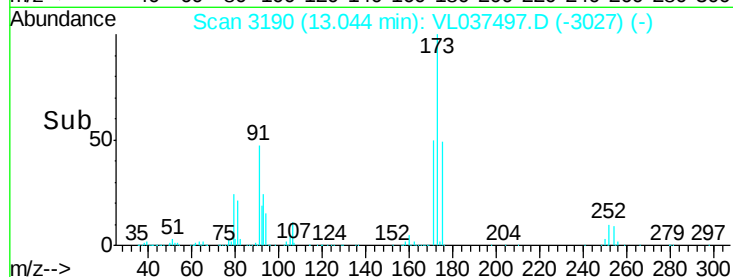
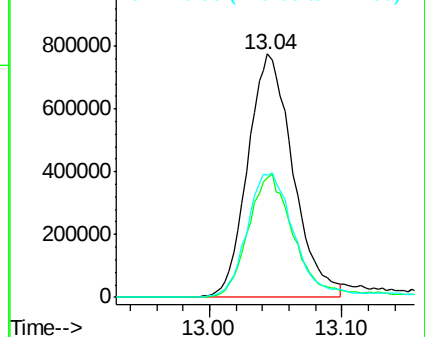
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.181 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.03 min

Lab File: VL037497.D

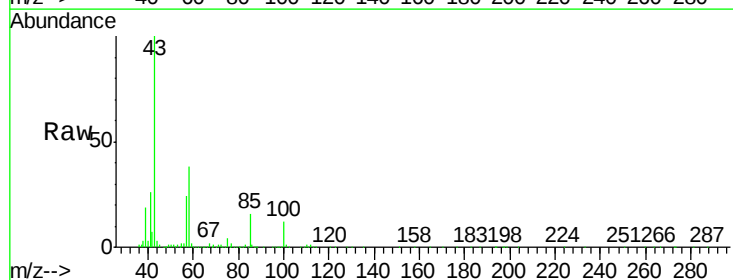
Acq: 19 Aug 2021 13:08

Tgt Ion: 43 Resp: 2341695

Ion Ratio Lower Upper

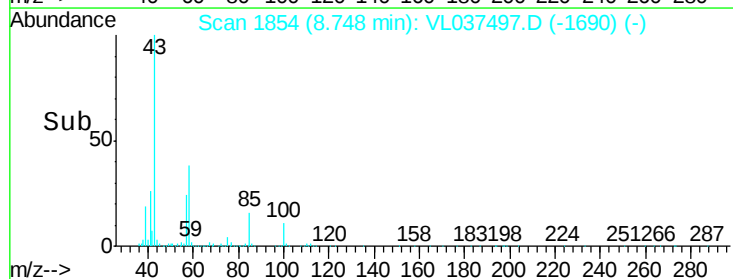
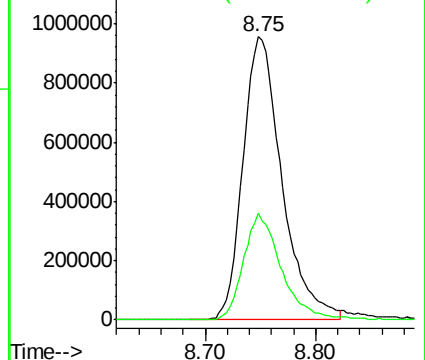
43 100

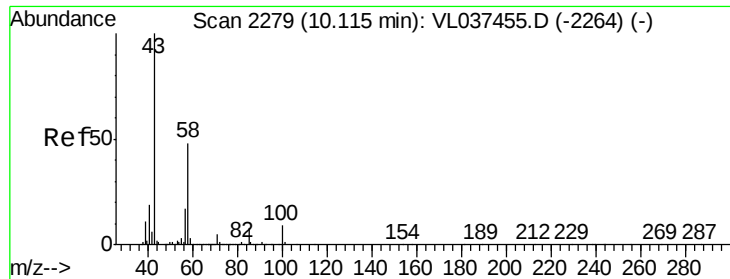
58 36.8 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





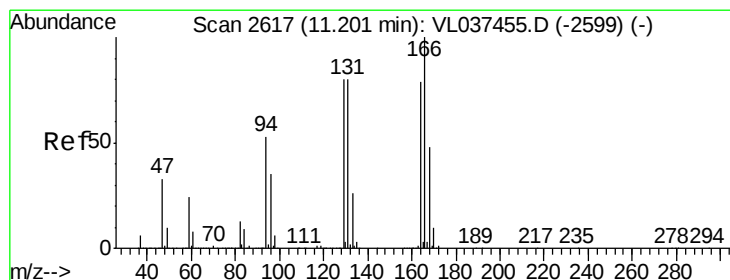
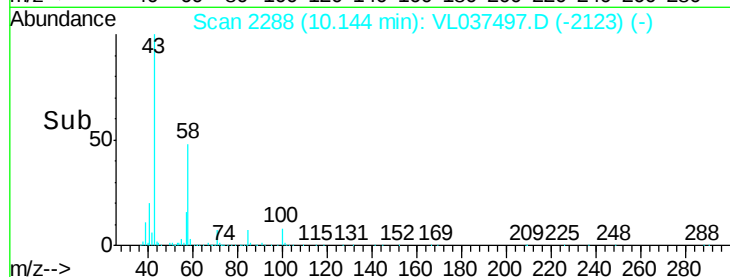
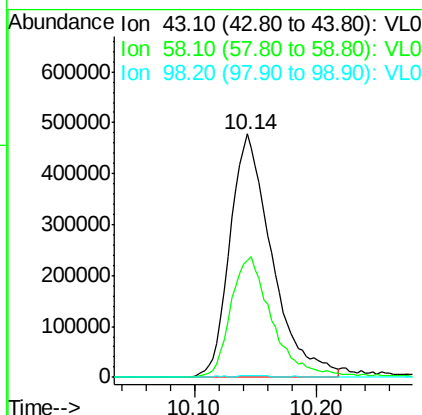
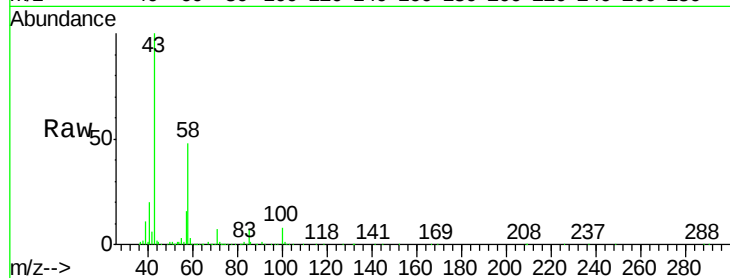
#51
2-Hexanone
Concen: 10.803 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.03 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABS01

Tot Ion: 43 Resp: 1142868
Ion Ratio Lower Upper
43 100
58 50.0 41.0 61.6
98 0.8 0.3 0.5#

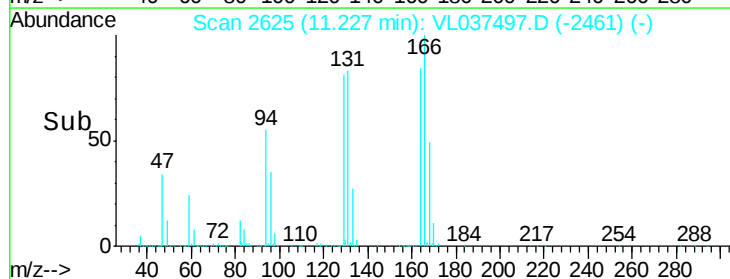
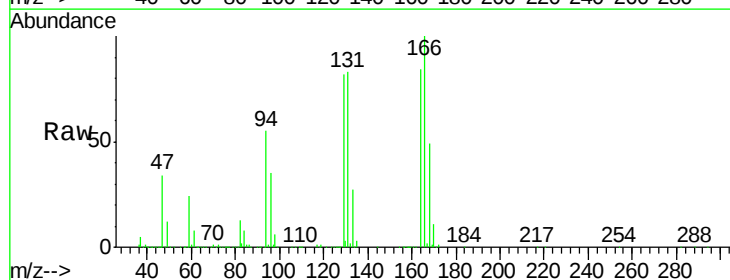
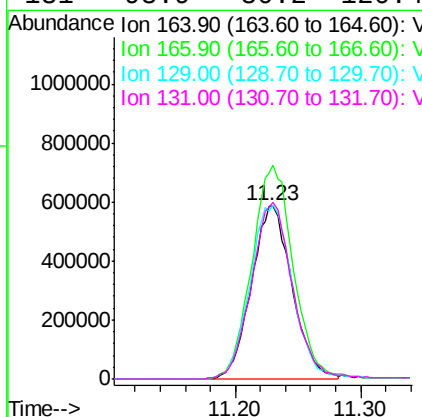
Manual Integrations
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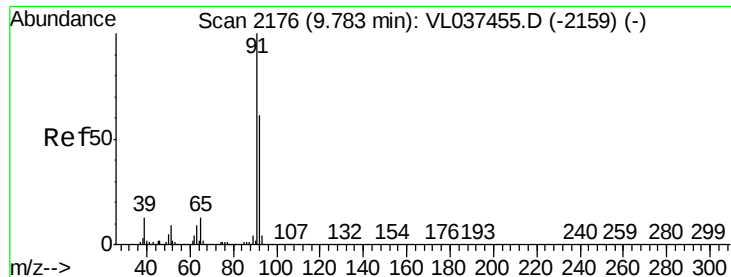
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#52
Tetrachloroethene
Concen: 8.888 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. 0.03 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Tgt Ion: 164 Resp: 1321837
Ion Ratio Lower Upper
164 100
166 118.5 100.7 151.1
129 96.6 80.9 121.3
131 98.9 80.2 120.4





#53

Toluene

Concen: 9.912 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.03 min

Lab File: VL037497.D

Acq: 19 Aug 2021 13:08

Instrument :

MSVOA_L

ClientSampleId :

VL0819ABS01

Tot Ion: 91 Resp: 4107962

Ion Ratio Lower Upper

91 100

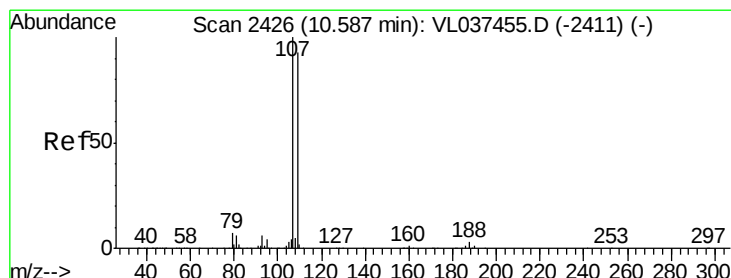
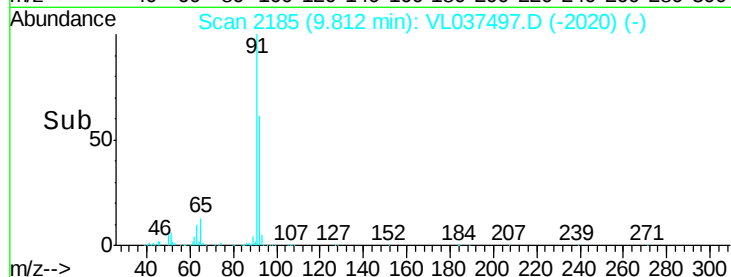
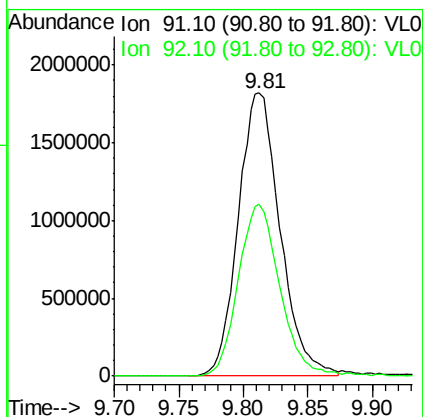
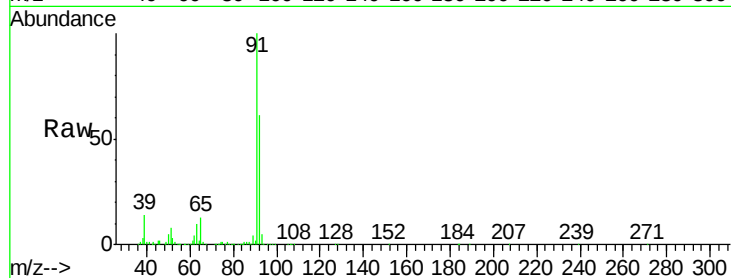
92 61.0 48.8 73.2

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.688 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.03 min

Lab File: VL037497.D

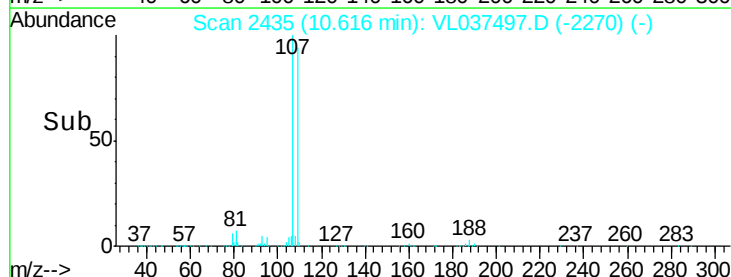
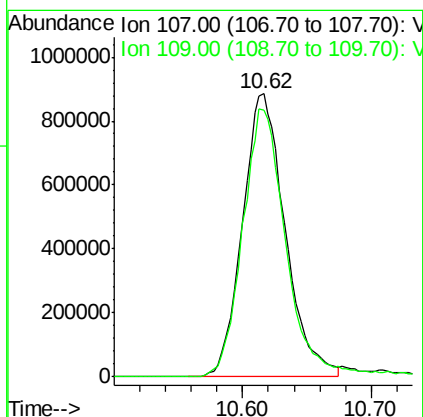
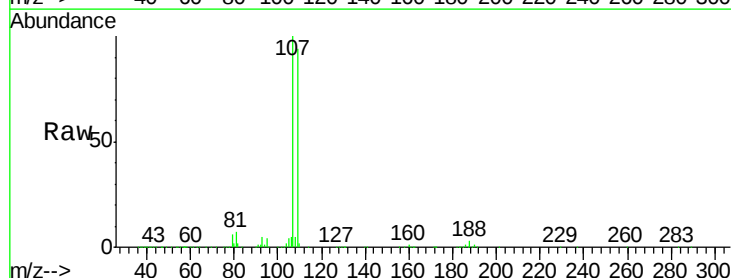
Acq: 19 Aug 2021 13:08

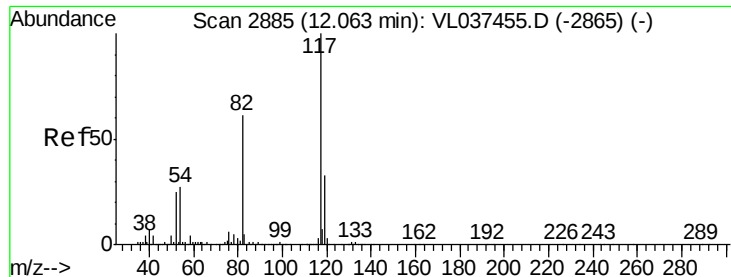
Tgt Ion: 107 Resp: 2038096

Ion Ratio Lower Upper

107 100

109 94.4 74.2 111.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.03 min

Lab File: VL037497.D

Acq: 19 Aug 2021 13:08

Instrument :

MSVOA_L

ClientSampleId :

VL0819ABS01

Tot Ion:117 Resp: 3808109

Ion Ratio Lower Upper

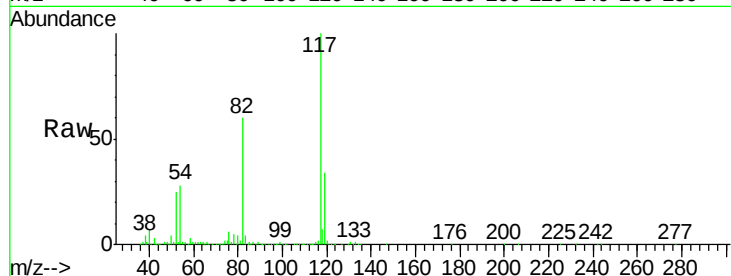
117 100

82 66.0 52.9 79.3

119 33.4 24.8 37.2

Manual Integrations
APPROVED

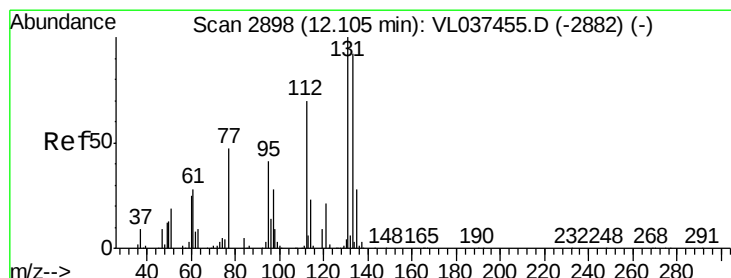
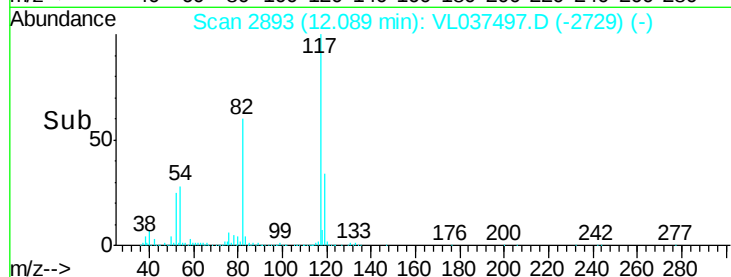
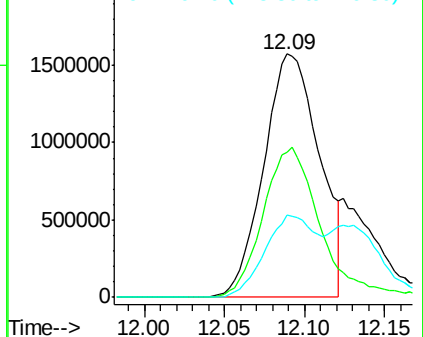
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 10.103 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.03 min

Lab File: VL037497.D

Acq: 19 Aug 2021 13:08

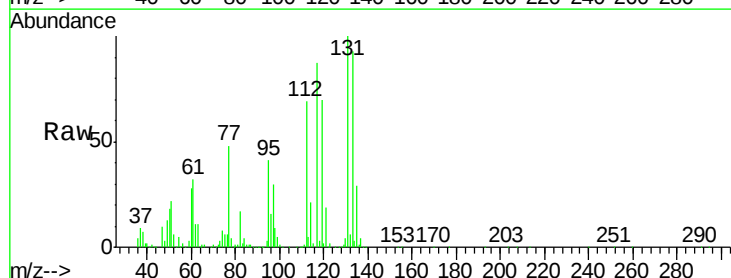
Tgt Ion:131 Resp: 1603098

Ion Ratio Lower Upper

131 100

133 97.1 78.7 118.1

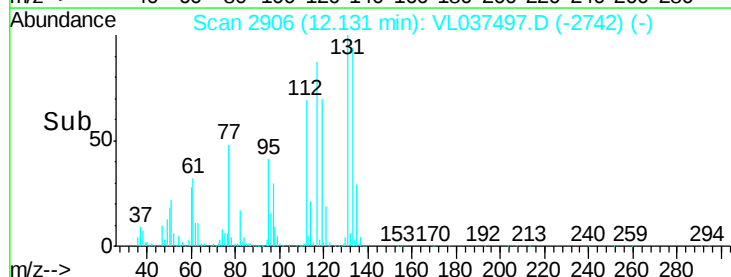
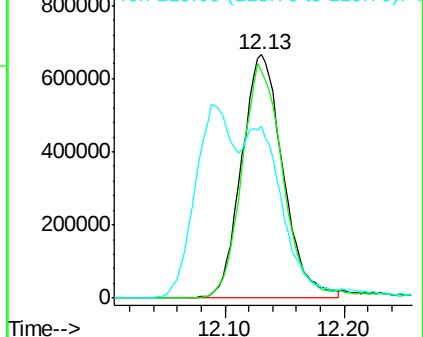
119 71.3 56.6 85.0

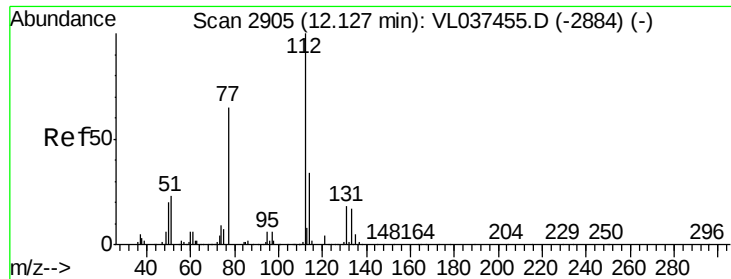


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





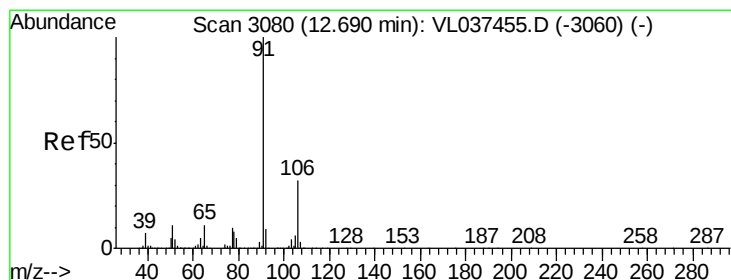
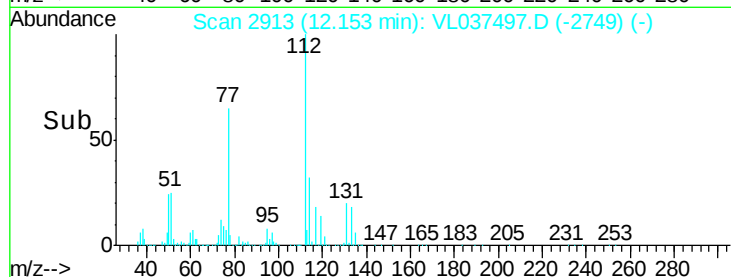
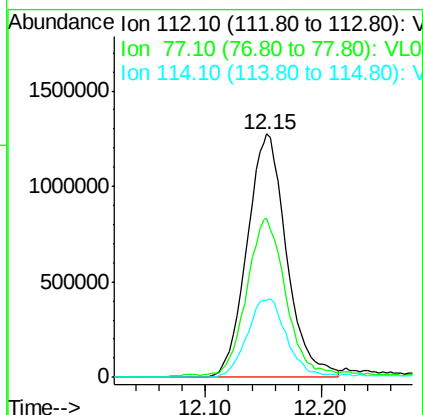
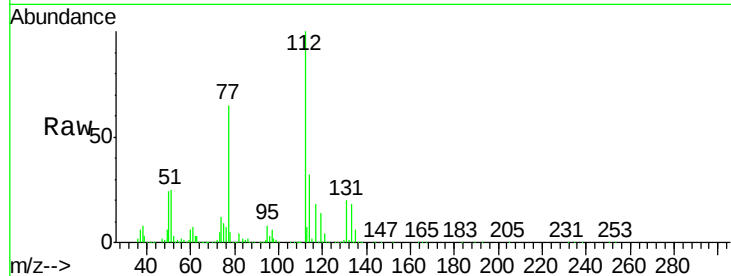
#57
Chlorobenzene
Concen: 9.522 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.03 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABS01

Tot Ion: 112 Resp: 3009218
Ion Ratio Lower Upper
112 100
77 64.3 51.6 77.4
114 31.6 30.7 37.5

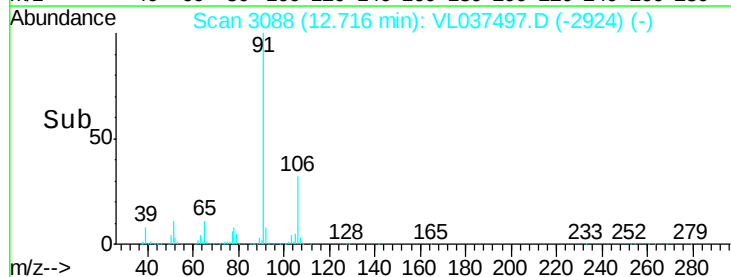
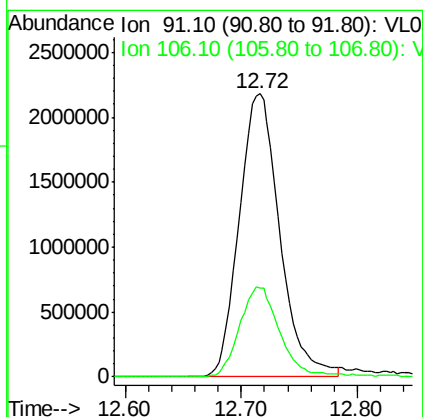
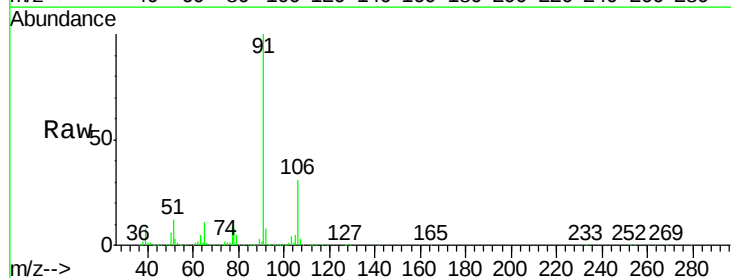
Manual Integrations
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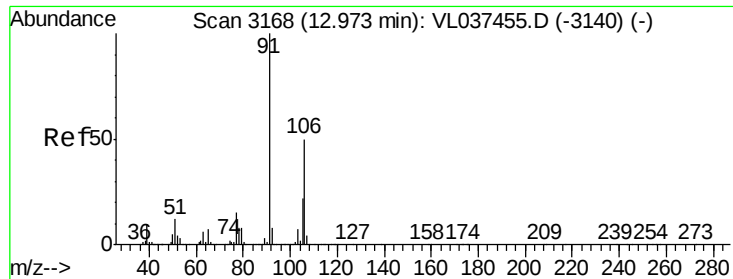
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#58
Ethyl Benzene
Concen: 10.031 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. 0.03 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Tgt Ion: 91 Resp: 5300913
Ion Ratio Lower Upper
91 100
106 31.5 25.7 38.5





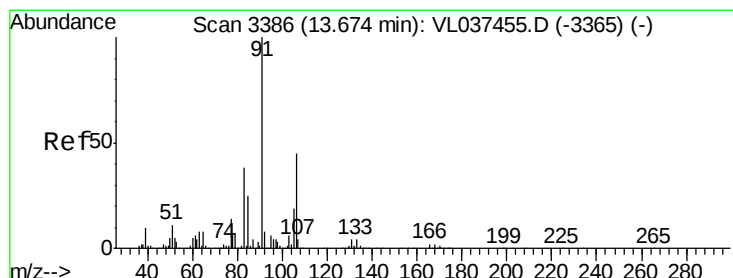
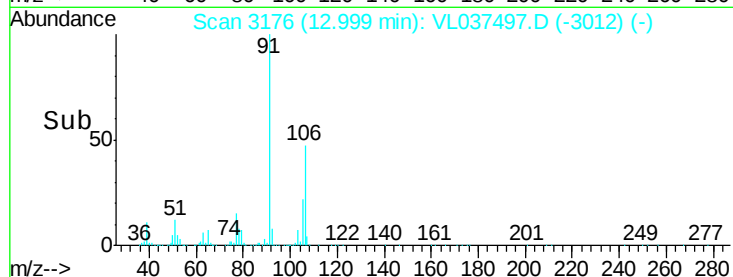
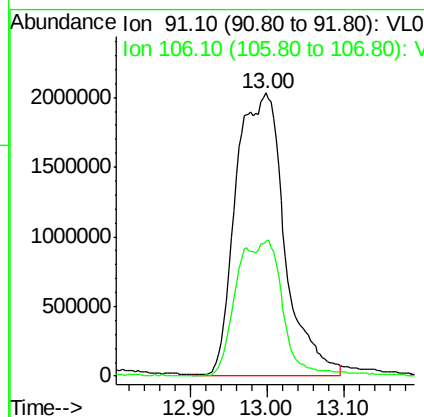
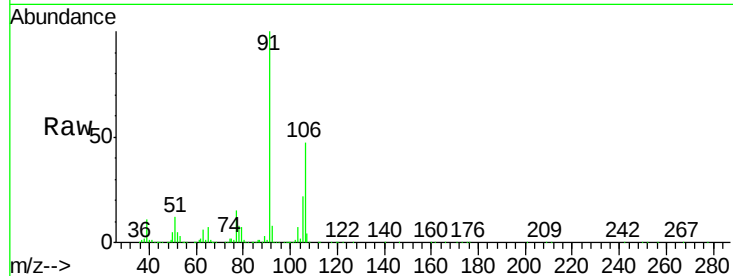
#59
m/p-Xylene
Concen: 19.553 ppbv m
RT: 13.00 min Scan# 3176
Delta R.T. 0.03 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABS01

Tot Ion: 91 Resp: 8957745
Ion Ratio Lower Upper
91 100
106 46.3 36.9 55.3

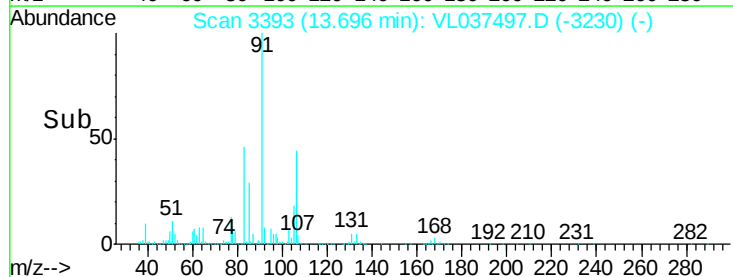
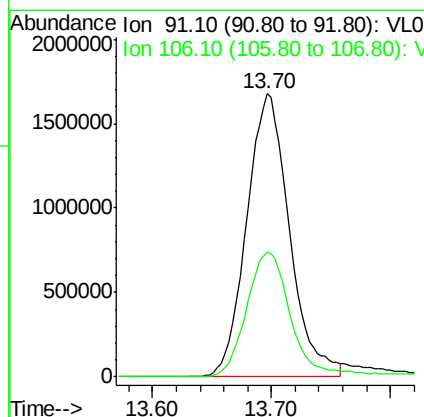
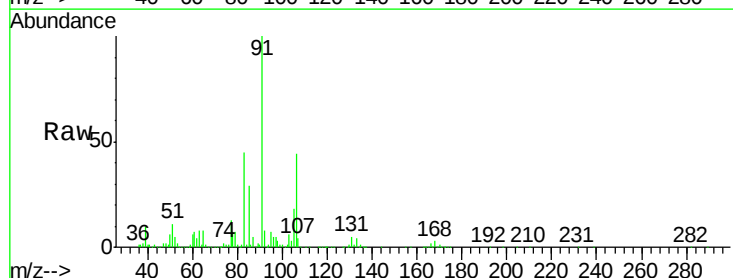
Manual Integrations
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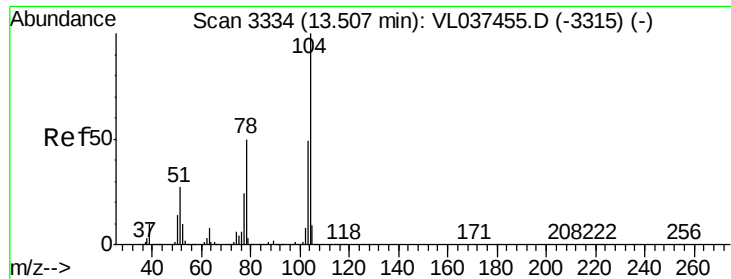
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#60
o-Xylene
Concen: 9.720 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Tgt Ion: 91 Resp: 4156199
Ion Ratio Lower Upper
91 100
106 47.4 23.7 71.1





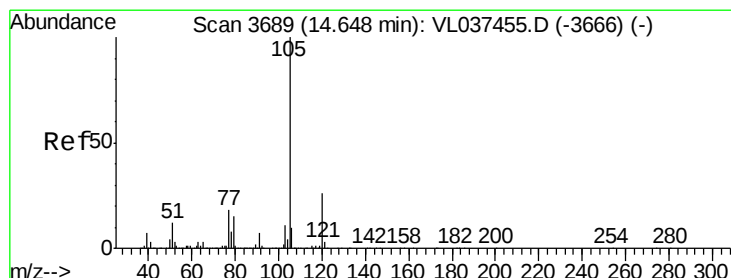
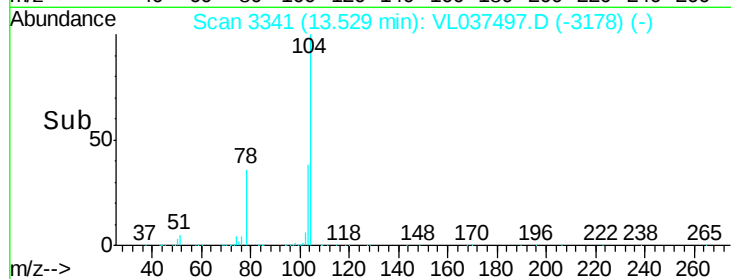
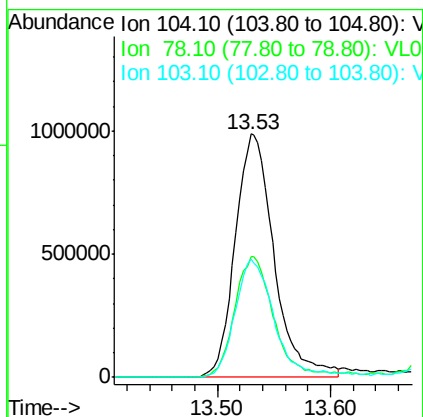
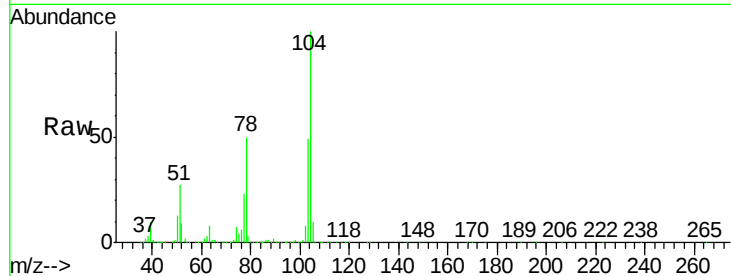
#61
Stvrene
Concen: 10.628 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.3	61.9
103	50.2	39.4	59.0

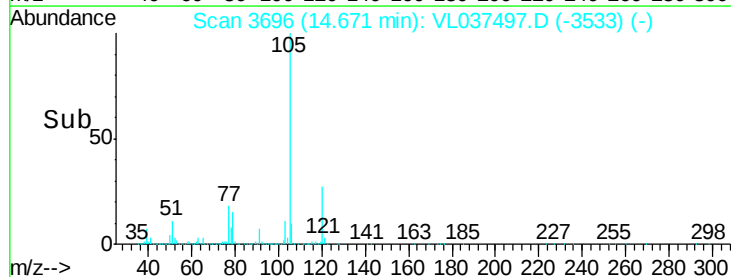
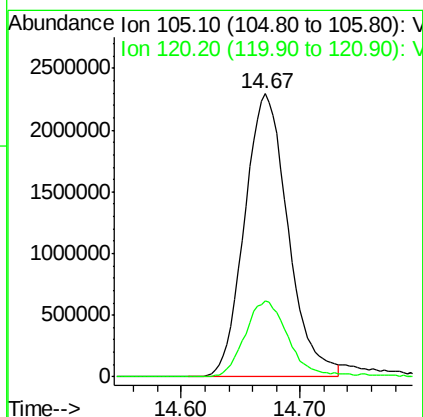
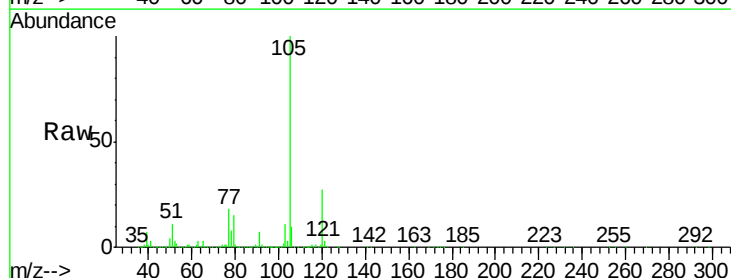
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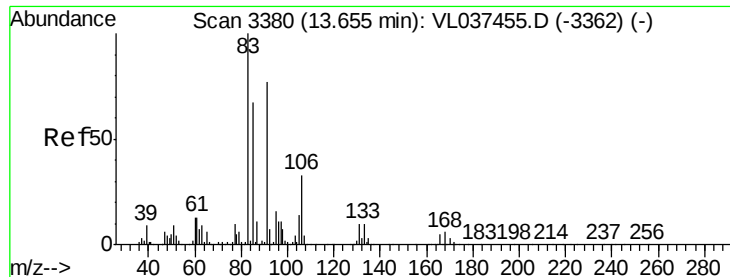
MMDadoda
8/20/2021 6:31:01 PM



#62
Isopropylbenzene
Concen: 9.626 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	21.5	32.3





#63

1,1,2,2-Tetrachloroethane

Concen: 9.719 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.03 min

Lab File: VL037497.D

Acq: 19 Aug 2021 13:08

Instrument :

MSVOA_L

ClientSampleId :

VL0819ABS01

Tot Ion: 83 Resp: 3088728

Ion Ratio Lower Upper

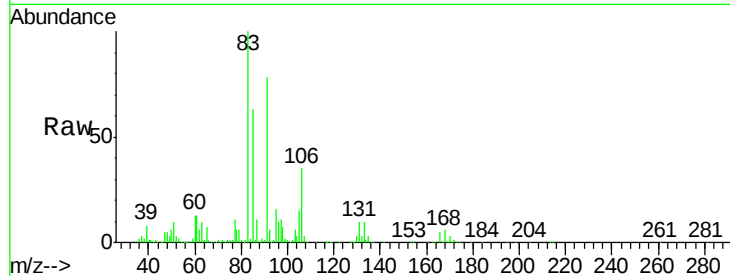
83 100

131 9.9 5.0 15.0

85 66.2 33.8 101.3

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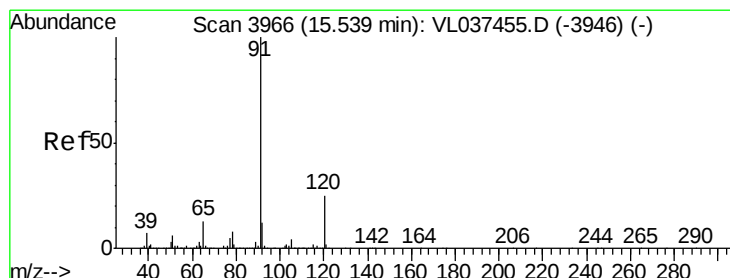
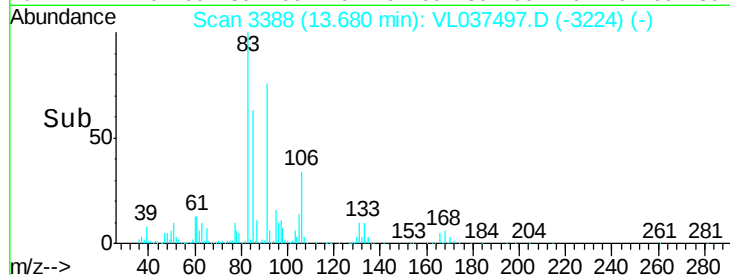
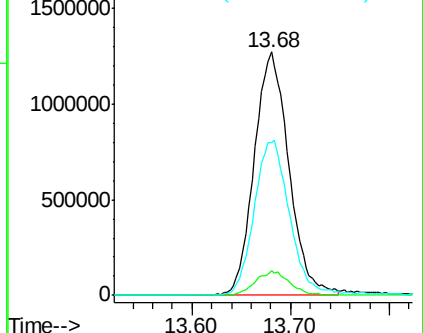
MMDadoda
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.216 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.02 min

Lab File: VL037497.D

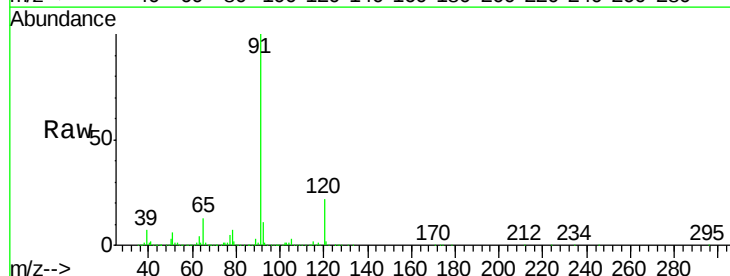
Acq: 19 Aug 2021 13:08

Tgt Ion: 120 Resp: 1568913

Ion Ratio Lower Upper

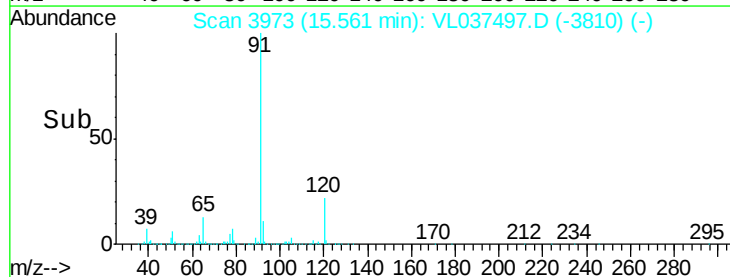
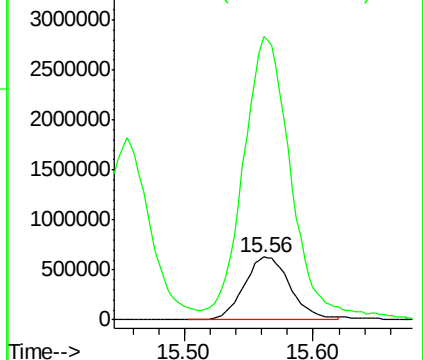
120 100

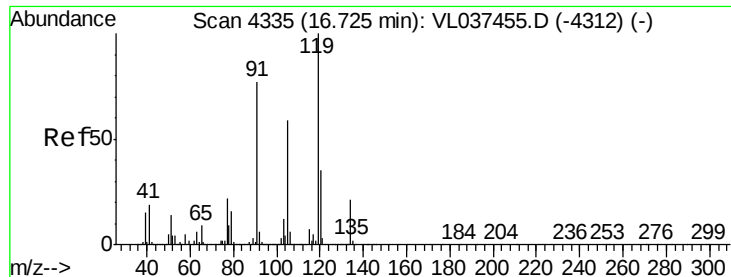
91 469.1 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





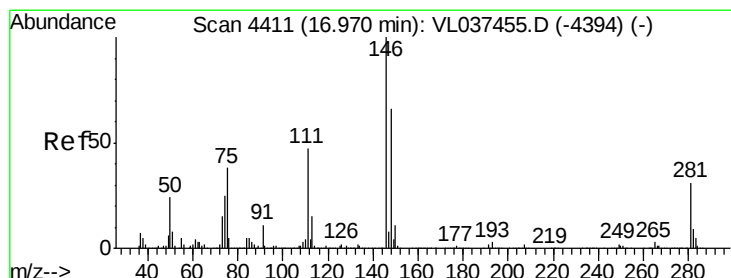
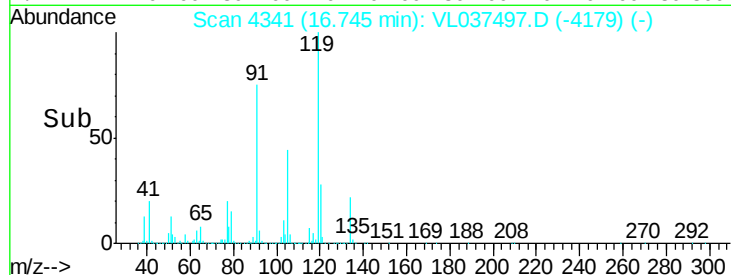
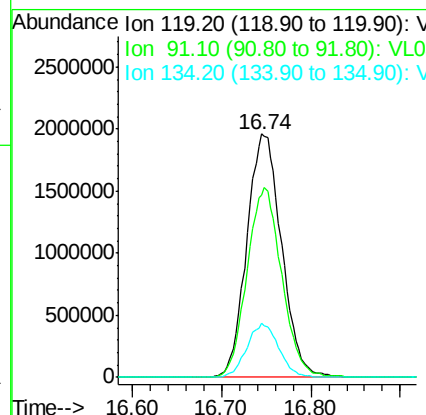
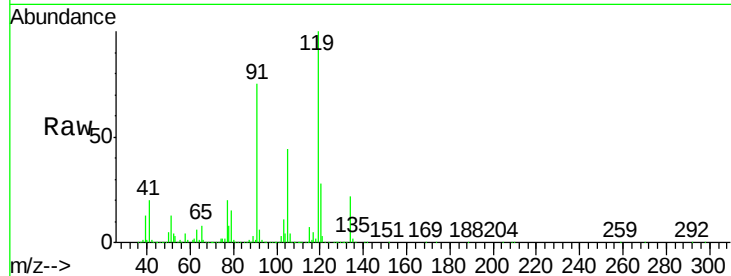
#65
tert-Butylbenzene
Concen: 9.665 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	77.9	62.9	94.3
134	20.5	16.4	24.6

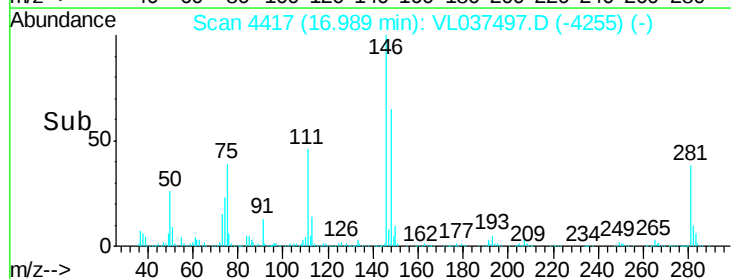
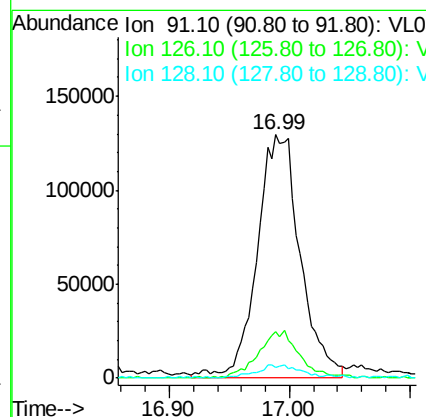
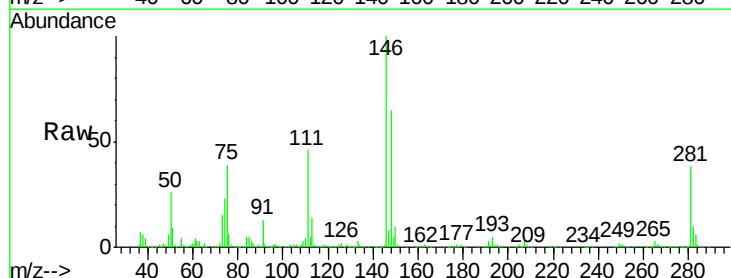
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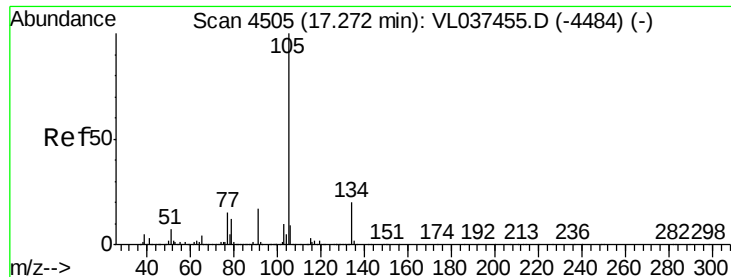
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#66
Benzyl Chloride
Concen: 12.719 ppbv m
RT: 16.99 min Scan# 4417
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.9	23.9#
128	6.6	5.4	8.0





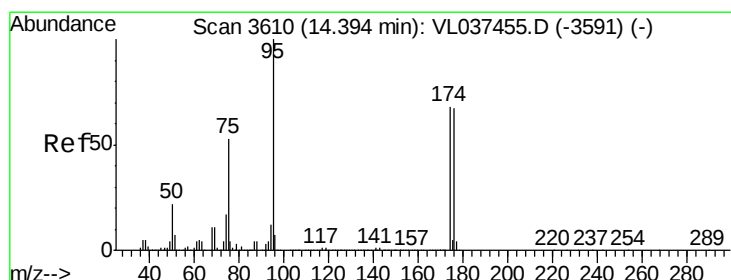
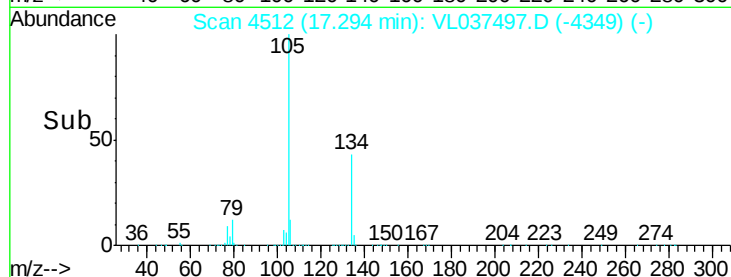
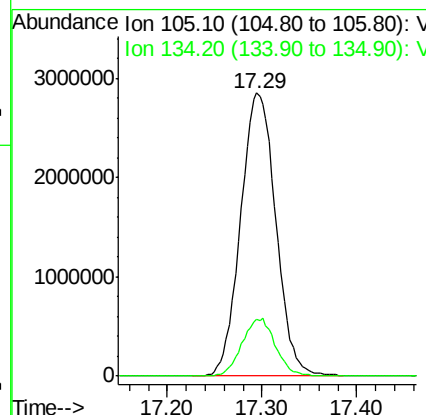
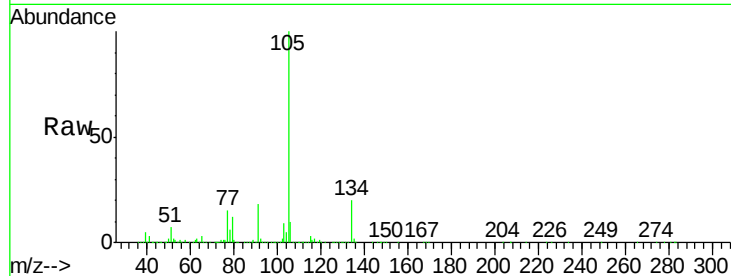
#67
 sec-Butylbenzene
 Concen: 9.603 ppbv
 RT: 17.29 min Scan# 4512
 Delta R.T. 0.02 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0819ABS01

Tot Ion: 105 Resp: 7374811
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.2 22.8

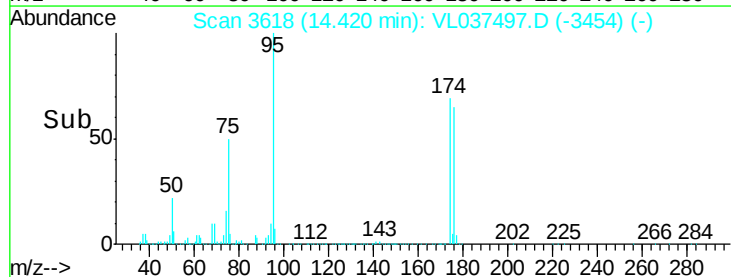
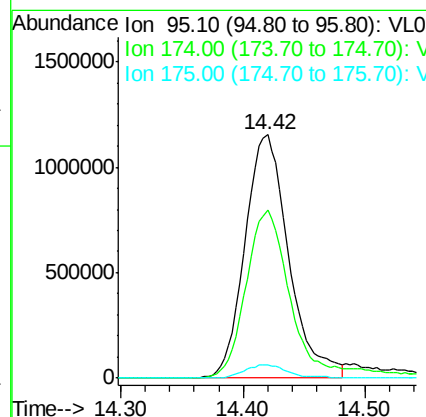
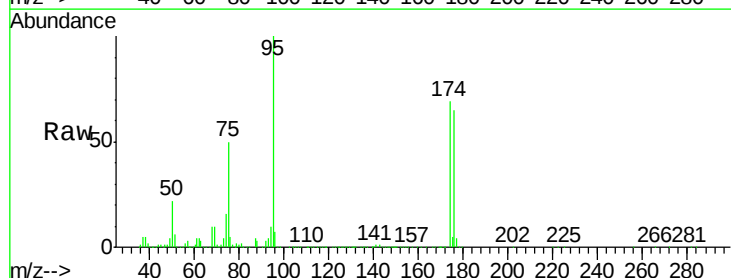
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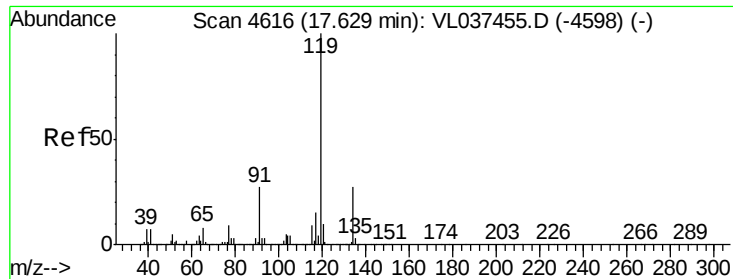
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.575 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. 0.03 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Tgt Ion: 95 Resp: 2861098
 Ion Ratio Lower Upper
 95 100
 174 73.6 59.6 89.4
 175 5.6 4.6 7.0





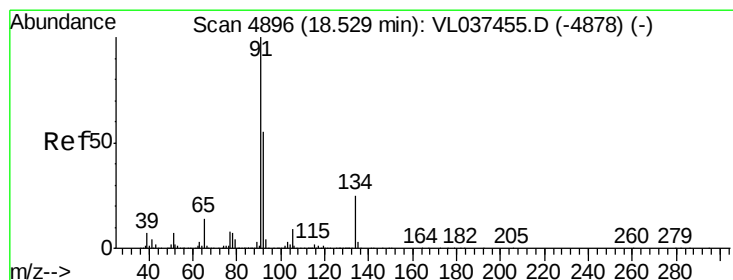
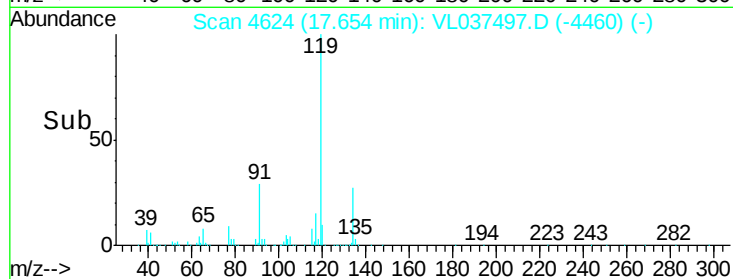
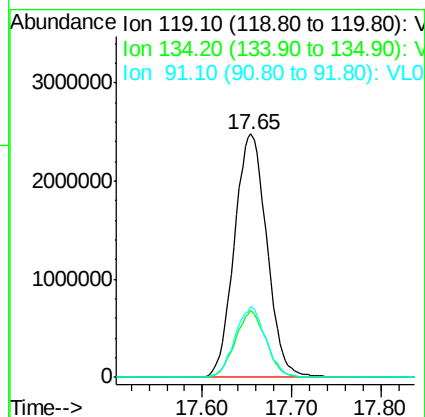
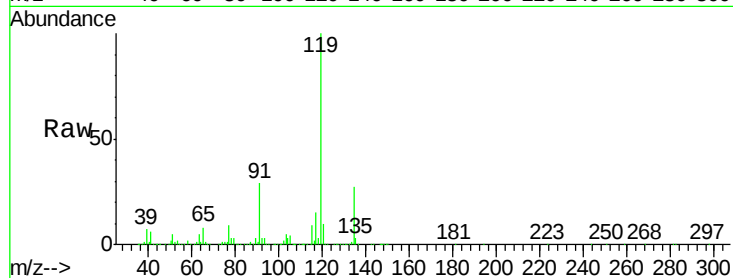
#69
 p-Isopropyltoluene
 Concen: 9.978 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. 0.03 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0819ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	21.1	31.7
91	27.5	22.4	33.6

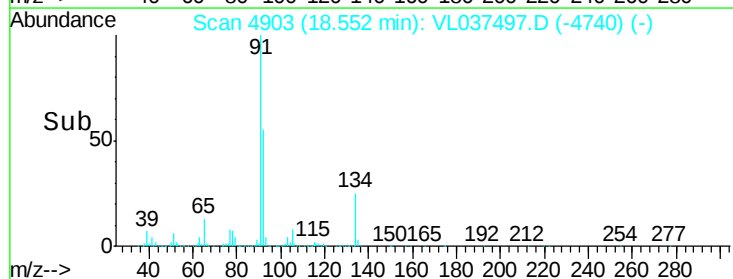
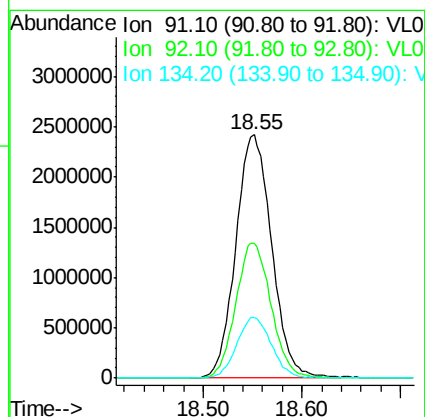
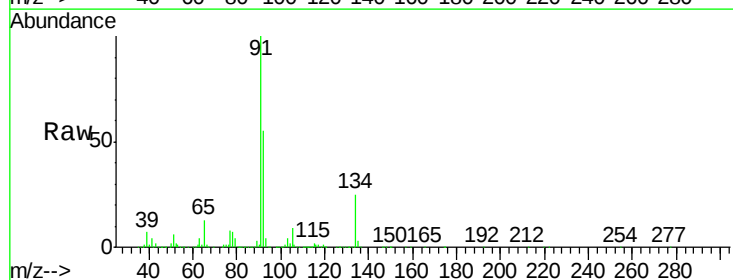
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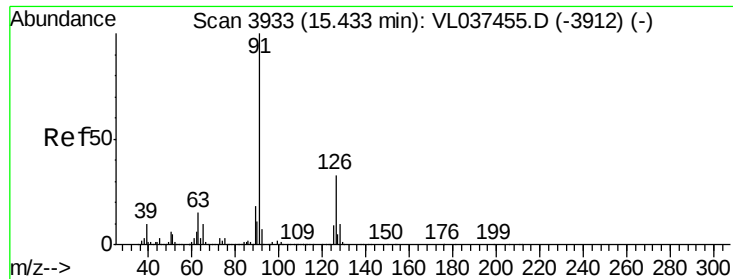
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#70
 n-Butylbenzene
 Concen: 10.201 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. 0.02 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.0	66.0
134	24.3	19.5	29.3





#71

2-Chlorotoluene

Concen: 9.926 ppbv

RT: 15.46 min Scan# 3940

Delta R.T. 0.02 min

Lab File: VL037497.D

Acq: 19 Aug 2021 13:08

Instrument :

MSVOA_L

ClientSampleId :

VL0819ABS01

Tot Ion: 91 Resp: 4392895

Ion Ratio Lower Upper

91 100

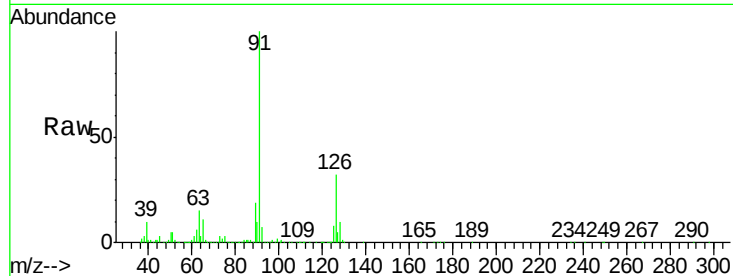
126 33.5 13.6 54.4

Manual Integrations

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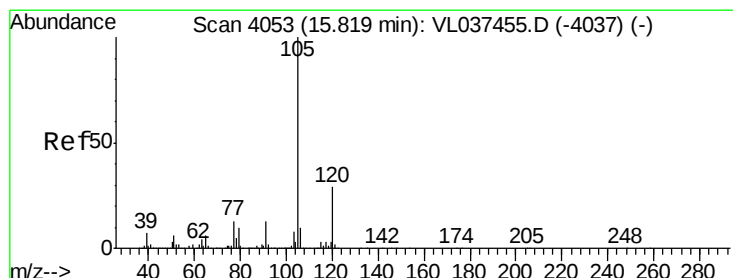
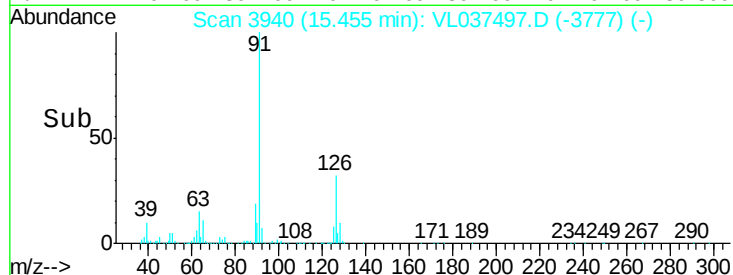
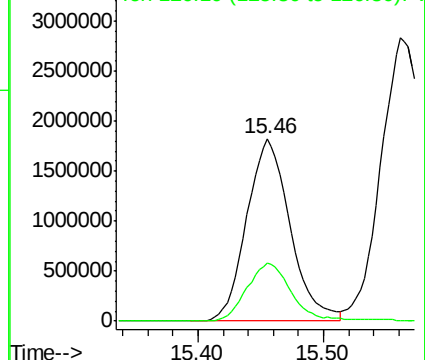
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.114 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. 0.02 min

Lab File: VL037497.D

Acq: 19 Aug 2021 13:08

Tgt Ion: 105 Resp: 5143858

Ion Ratio Lower Upper

105 100

120 30.7 24.7 37.1

91 12.3 9.8 14.8

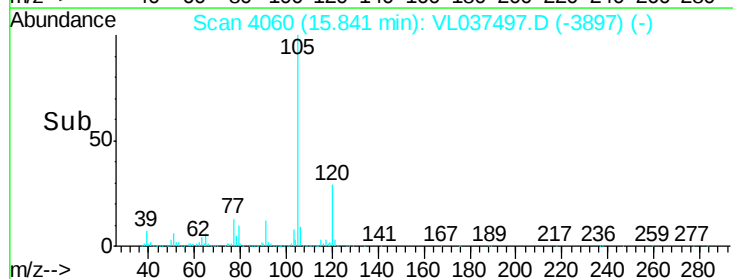
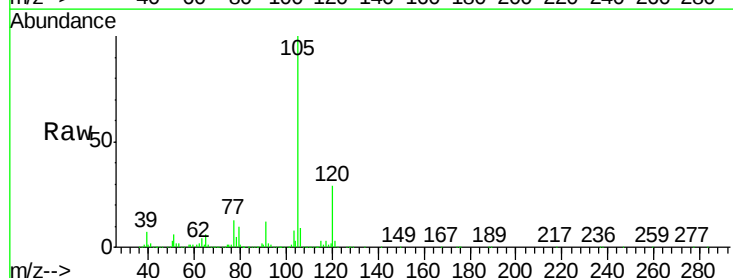
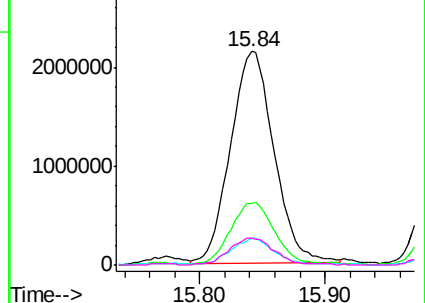
77 13.3 10.6 15.8

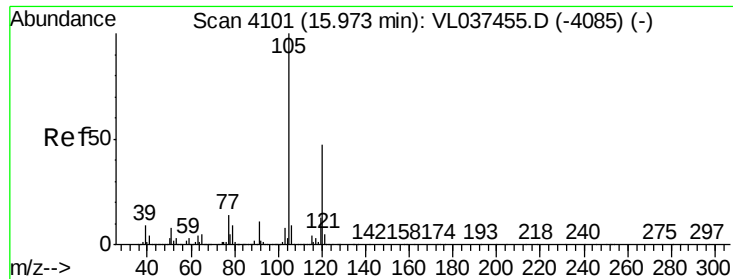
Abundance Ion 105.10 (104.80 to 105.80): V

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





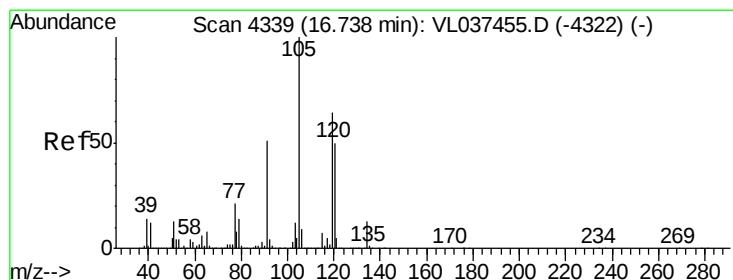
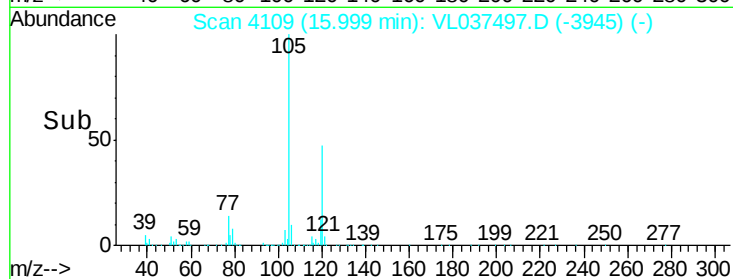
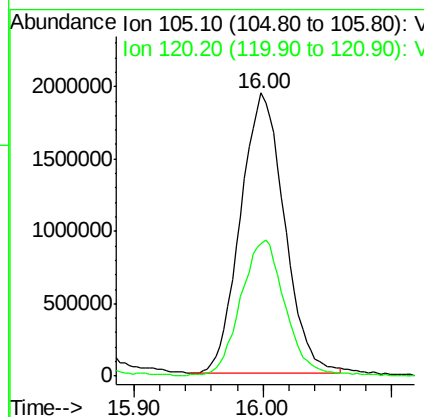
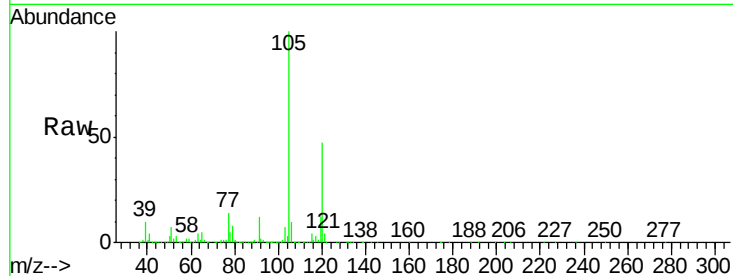
#73
 1,3,5-Trimethylbenzene
 Concen: 9.731 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. 0.03 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0819ABS01

Tot Ion:105 Resp: 4607004
 Ion Ratio Lower Upper
 105 100
 120 46.7 37.6 56.4

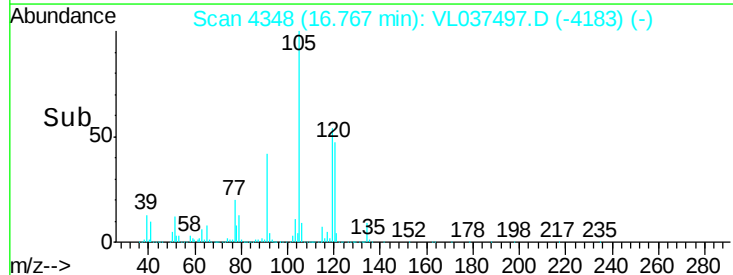
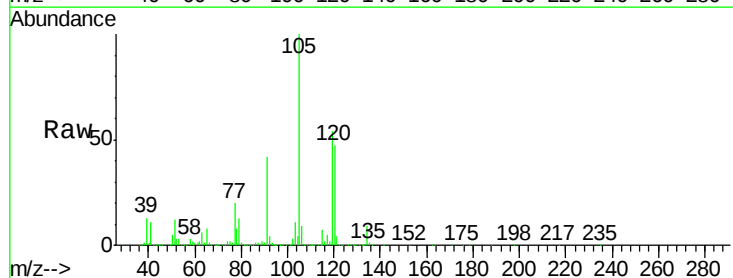
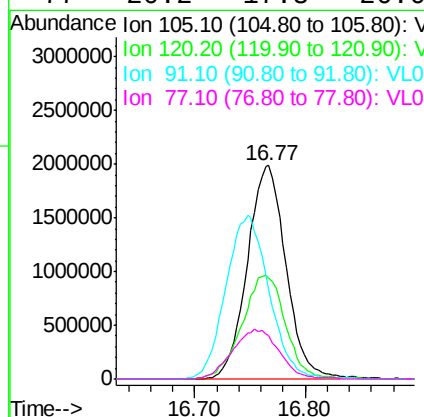
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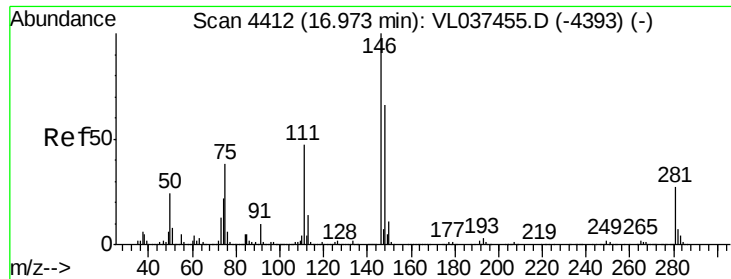
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.579 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. 0.03 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Tgt Ion:105 Resp: 4819268
 Ion Ratio Lower Upper
 105 100
 120 47.1 40.4 60.6
 91 41.4 44.6 67.0#
 77 20.2 17.8 26.6





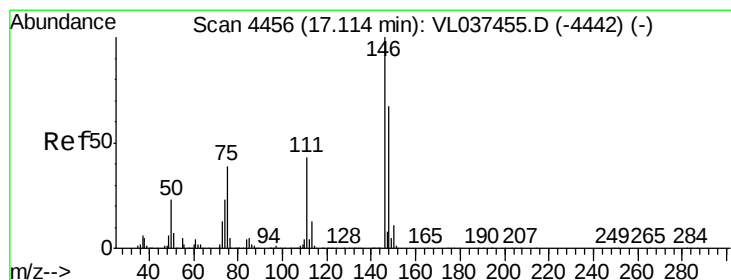
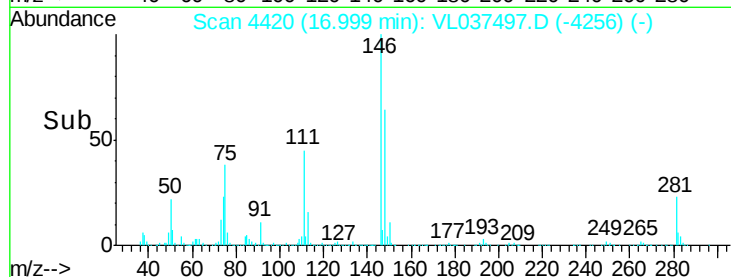
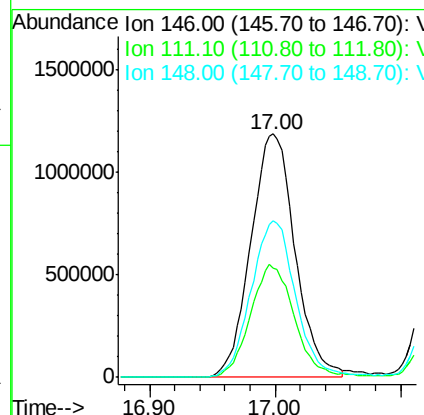
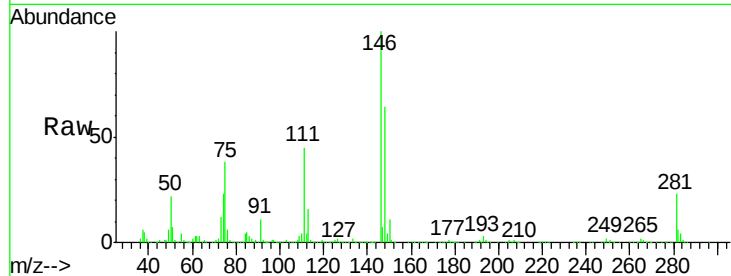
#75
 1,3-Dichlorobenzene
 Concen: 9.621 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. 0.03 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0819ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.4	70.0
148	65.2	33.1	99.5

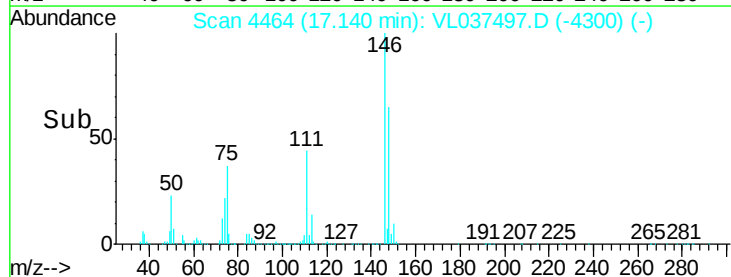
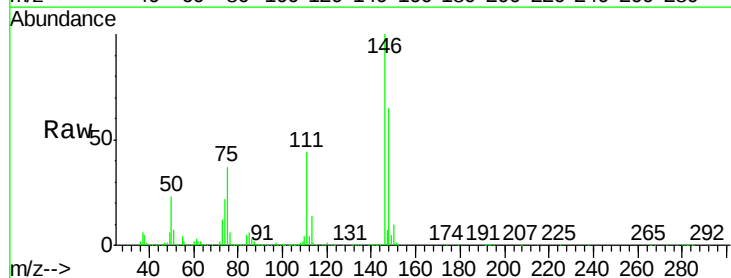
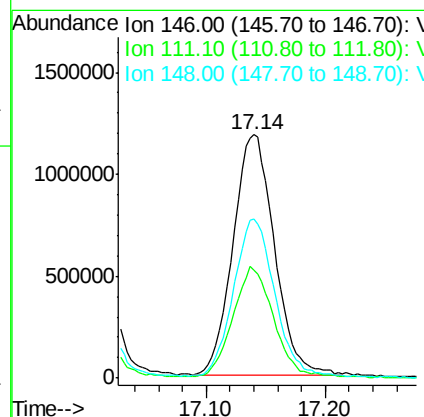
Manual Integrations
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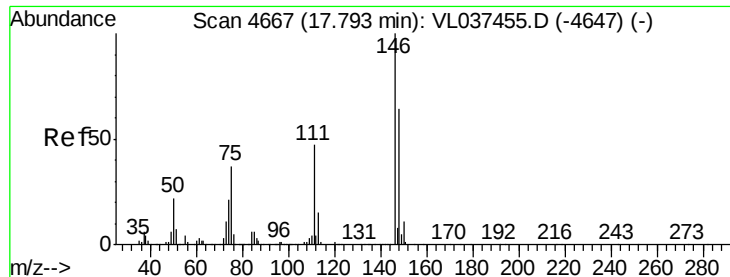
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#76
 1,4-Dichlorobenzene
 Concen: 9.358 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. 0.03 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.1	66.5
148	67.3	32.4	97.0





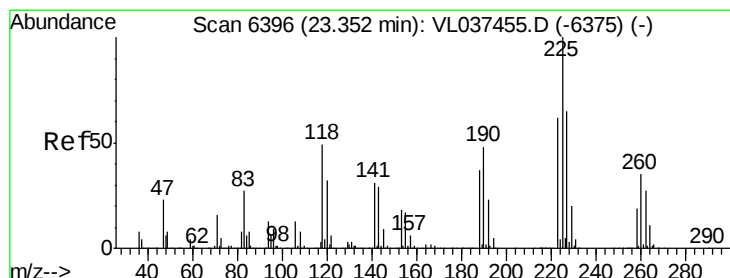
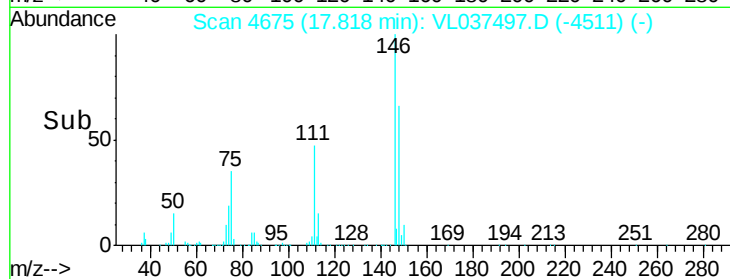
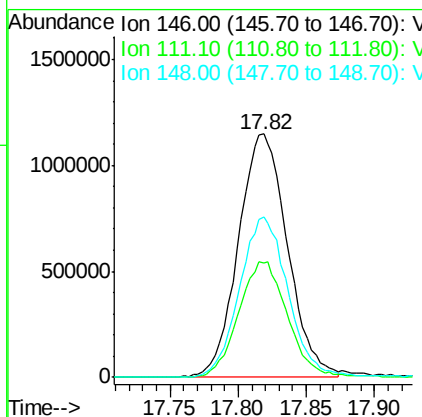
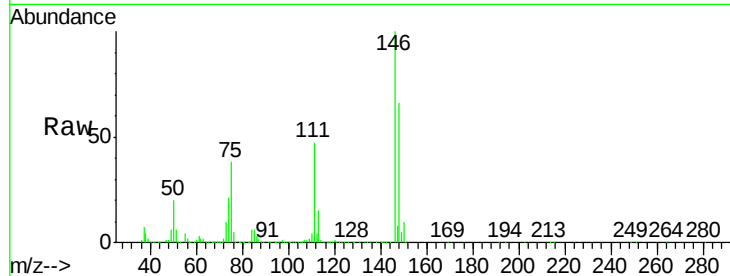
#77
 1,2-Dichlorobenzene
 Concen: 9.522 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. 0.03 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0819ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	23.4	70.3
148	66.2	32.5	97.5

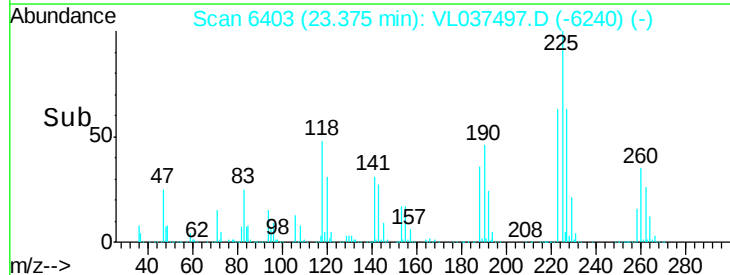
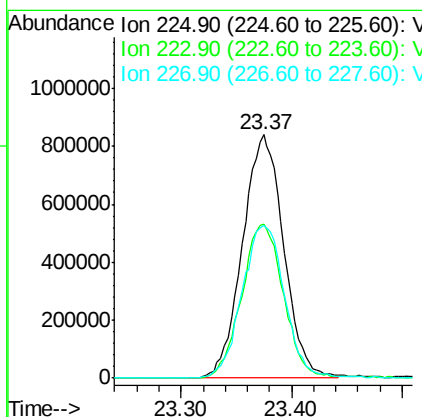
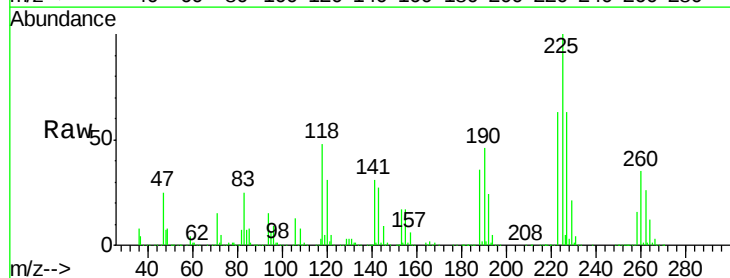
Manual Integrations
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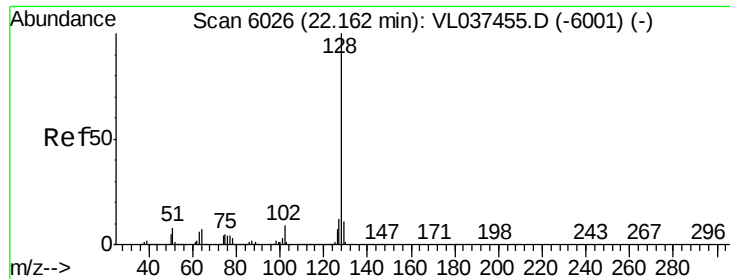
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.763 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.02 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.4	77.0
227	65.7	52.9	79.3





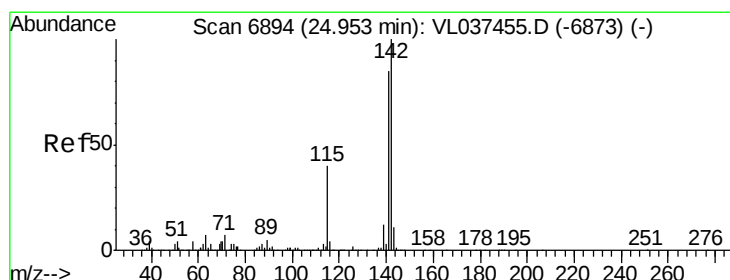
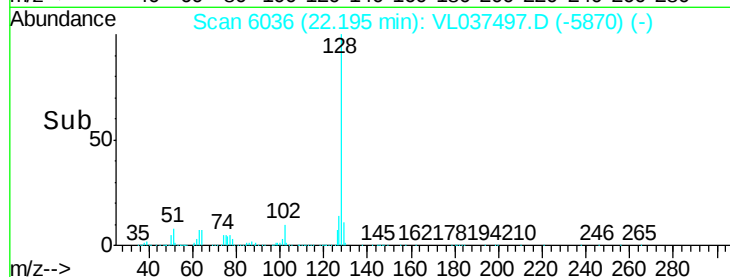
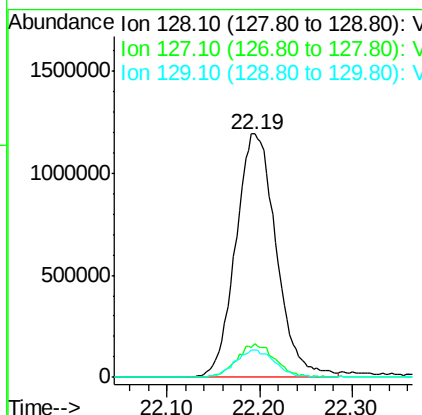
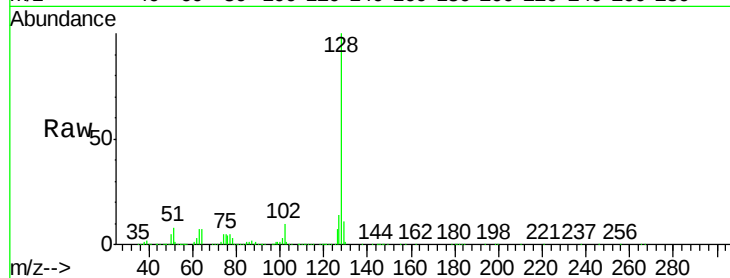
#79
Naphthalene
Concen: 10.759 ppbv
RT: 22.19 min Scan# 6036
Delta R.T. 0.03 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	9.4	14.2
129	11.2	8.8	13.2

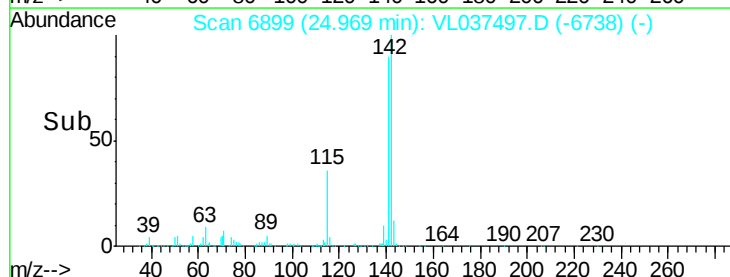
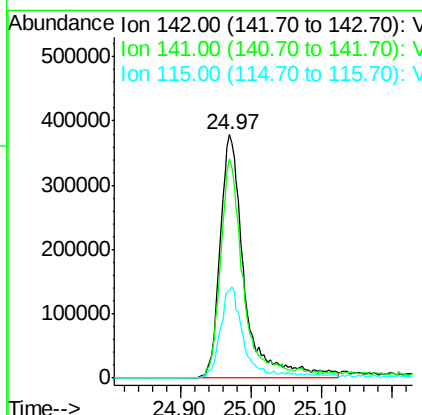
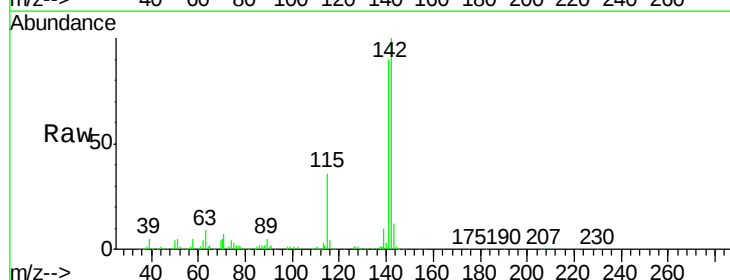
Manual Integrations
APPROVED

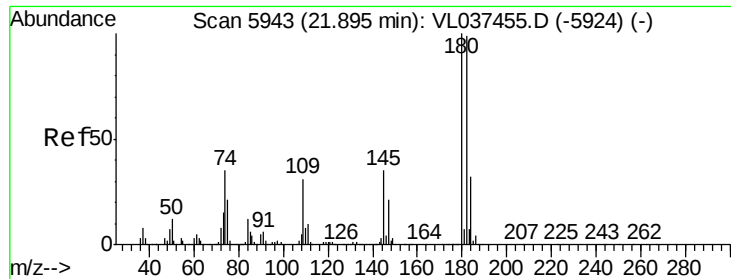
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#80
Naphthalene, 2-methyl-
Concen: 9.749 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. 0.02 min
Lab File: VL037497.D
Acq: 19 Aug 2021 13:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	64.7	97.1
115	36.2	28.4	42.6





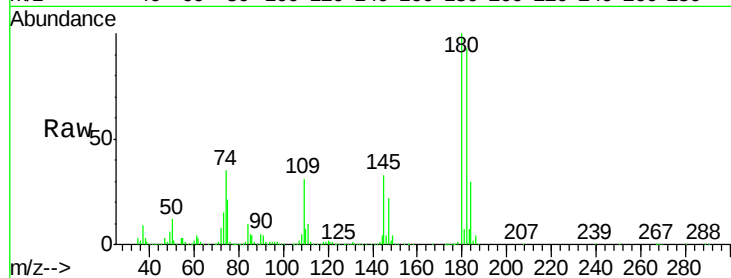
#81
 1,2,4-Trichlorobenzene
 Concen: 10.348 ppbv
 RT: 21.92 min Scan# 5952
 Delta R.T. 0.03 min
 Lab File: VL037497.D
 Acq: 19 Aug 2021 13:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0819ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	79.6	119.4
184	31.1	25.4	38.2

Manual Integrations
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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

