

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
 Data File : VL037495.D
 Acq On : 19 Aug 2021 11:03
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 8/20/2021 6:30:59 PM

Quant Time: Aug 20 00:27:11 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	1467766	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4396319	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	4164771m	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3080644	10.41	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2975833	12.636	ppbv	100
3) Chlorodifluoromethane	2.99	51	2590867	9.218	ppbv	99
4) Chloromethane	3.14	50	968224	9.640	ppbv	91
5) Vinyl Chloride	3.26	62	982012	9.544	ppbv	96
6) Bromomethane	3.48	94	468612	8.314	ppbv	99
7) Chloroethane	3.56	64	330039	9.397	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2262277	9.305	ppbv	100
9) Propene	3.02	41	909748	9.047	ppbv	100
10) Heptane	8.13	43	2333671	10.082	ppbv	98
11) Trichlorofluoromethane	3.95	101	2070341	9.365	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1524536	9.398	ppbv	100
13) Ethanol	3.62	45	77953m	7.966	ppbv	
14) Bromoethene	3.74	108	704491	9.566	ppbv	98
15) Acetone	3.85	43	1174273	7.861	ppbv	99
16) 1,3-Butadiene	3.33	39	932999	9.737	ppbv	98
17) tert-Butyl alcohol	4.29	59	1213679	8.894	ppbv	98
18) 1,1-Dichloroethene	4.29	96	699512	9.493	ppbv	100
19) Isopropyl Alcohol	3.97	45	714451	8.349	ppbv #	98
20) Methylene Chloride	4.35	84	623225	8.333	ppbv	95
21) Allyl Chloride	4.42	41	1065258	8.780	ppbv	93
22) trans-1,2-Dichloroethene	4.89	96	695766	9.464	ppbv	97
23) Vinyl Acetate	5.08	43	2295955	10.428	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1534261	9.608	ppbv	99
25) Ethyl Acetate	5.68	43	3622165	9.552	ppbv	99
26) Hexane	5.69	57	1711006	9.228	ppbv	99
27) Carbon Disulfide	4.56	76	1707642	10.335	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1810407	10.167	ppbv	100
29) Chloroform	5.76	83	2525748	9.612	ppbv	99
30) Cyclohexane	7.14	84	1496055	9.684	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1650109	9.834	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2448724	9.485	ppbv	99
34) 2-Butanone	5.25	43	1599235	8.908	ppbv	97
35) Carbon Tetrachloride	7.02	117	2564601	9.871	ppbv	99
36) Benzene	6.90	78	3619127	9.793	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1802746	9.848	ppbv	99
38) Trichloroethene	7.84	130	1439547	9.494	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1364180	9.606	ppbv	98
40) 1,4-Dioxane	7.83	88	331036	9.515	ppbv #	100
41) Tetrahydrofuran	6.06	42	825762	9.548	ppbv	98
42) Bromodichloromethane	7.80	83	2654861	9.918	ppbv	95
43) Methyl Methacrylate	8.02	69	1288902	10.006	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5996700	9.641	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	925235	9.542	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1183700	8.751	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1498319	9.764	ppbv	99
48) Dibromochloromethane	10.31	129	2403842	10.886	ppbv	98
49) Bromoform	13.04	173	2065031	11.864	ppbv	96
50) 4-Methyl-2-Pentanone	8.74	43	2379344	10.159	ppbv	100
51) 2-Hexanone	10.14	43	1144166	10.621	ppbv #	99
52) Tetrachloroethene	11.23	164	1363245	9.002	ppbv	98
53) Toluene	9.81	91	4233156	10.031	ppbv	98
54) 1,2-Dibromoethane	10.61	107	2102781	9.816	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1691907	9.749	ppbv	94
57) Chlorobenzene	12.15	112	3186789	9.220	ppbv	97
58) Ethyl Benzene	12.71	91	5572351	9.641	ppbv	99
59) m/p-Xylene	13.00	91	9287517m	18.536	ppbv	
60) o-Xylene	13.70	91	4405461	9.420	ppbv	97
61) Styrene	13.53	104	2573874	10.595	ppbv	98
62) Isopropylbenzene	14.67	105	6131753	9.291	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3136575	9.024	ppbv	98
64) n-propylbenzene	15.56	120	1639011	9.758	ppbv	92
65) tert-Butylbenzene	16.74	119	5430973	9.035	ppbv	99
66) Benzyl Chloride	16.99	91	326038	11.991	ppbv	98
67) sec-Butylbenzene	17.29	105	7527532	8.963	ppbv	100
69) p-Isopropyltoluene	17.65	119	6306106	9.214	ppbv	100
70) n-Butylbenzene	18.55	91	6145587	9.396	ppbv	100
71) 2-Chlorotoluene	15.46	91	4630696	9.568	ppbv	97
72) 4-Ethyltoluene	15.84	105	5332209	9.586	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4807199	9.284	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4917324	8.937	ppbv	92
75) 1,3-Dichlorobenzene	17.00	146	3012520	9.096	ppbv	98
76) 1,4-Dichlorobenzene	17.14	146	2906309	8.711	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	2893887	8.874	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2197814	8.106	ppbv	99
79) Naphthalene	22.19	128	3553920	9.652	ppbv	96
80) Naphthalene, 2-methyl-	24.97	142	787961	7.682	ppbv	90
81) 1,2,4-Trichlorobenzene	21.92	180	2174667	9.412	ppbv	99

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

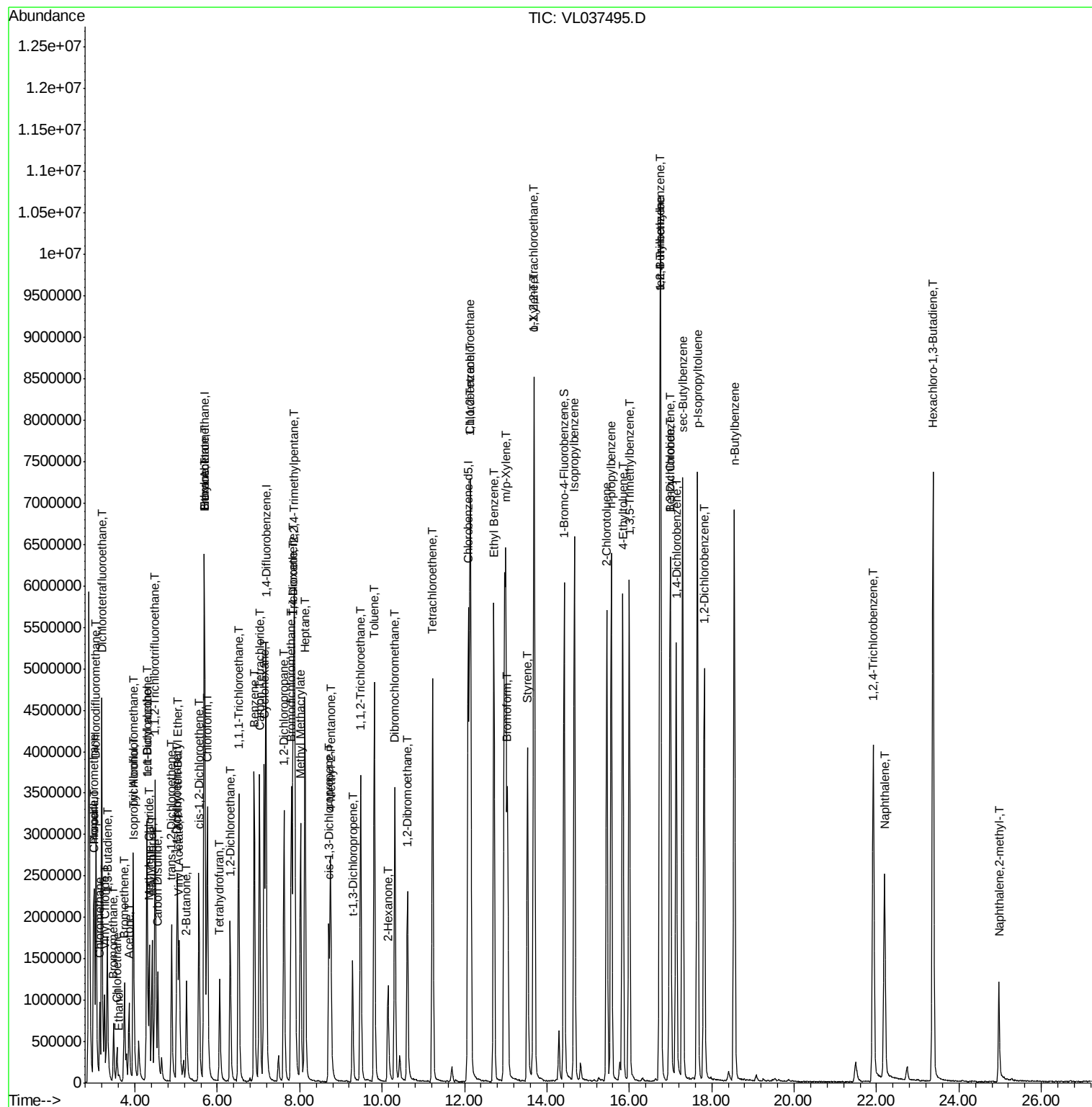
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081921\
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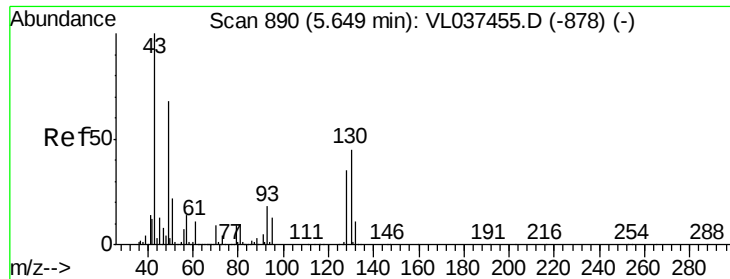
Instrument :
MSVOA_L
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1467766

Ion Ratio Lower Upper

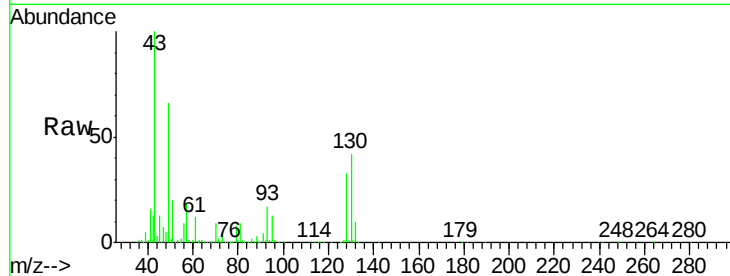
49 100

128 56.0 27.5 82.4

130 69.2 34.0 101.8

Manual Integrations
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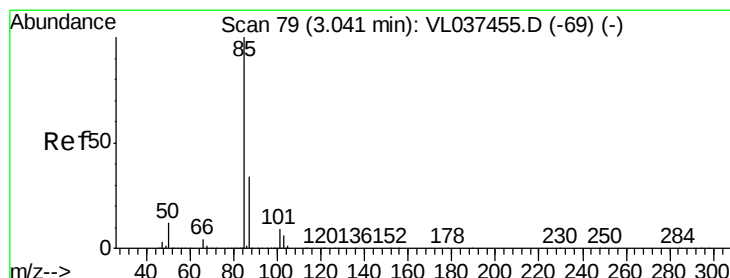
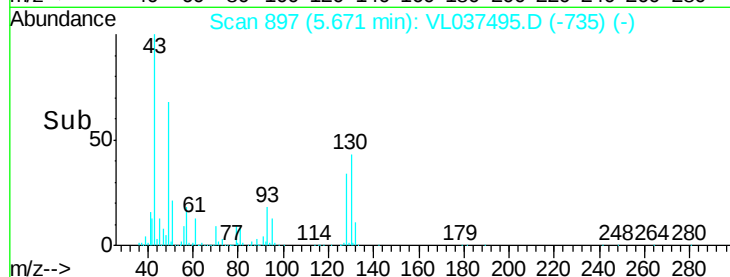
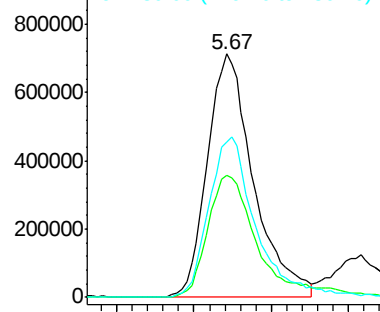
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 12.636 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL037495.D

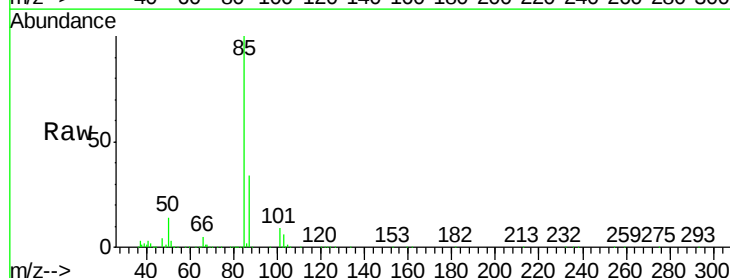
Acq: 19 Aug 2021 11:03

Tgt Ion: 85 Resp: 2975833

Ion Ratio Lower Upper

85 100

87 34.3 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

2000000

1500000

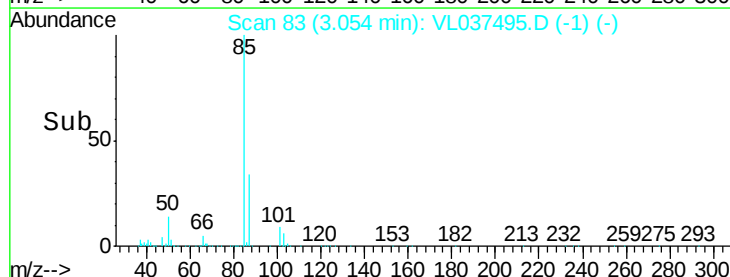
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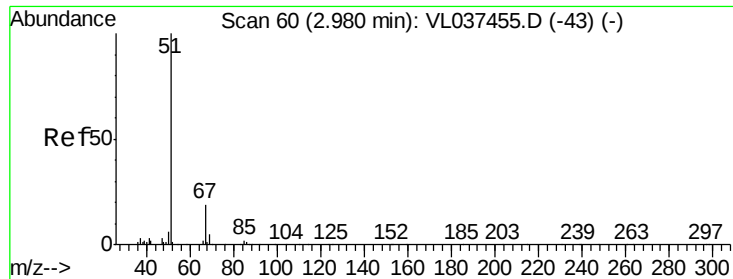
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0

3.00 3.05 3.10 3.15 3.20

Time-->





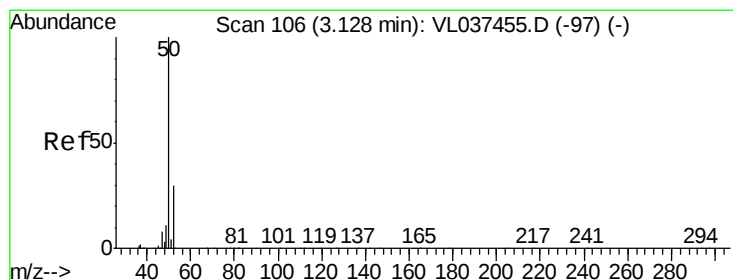
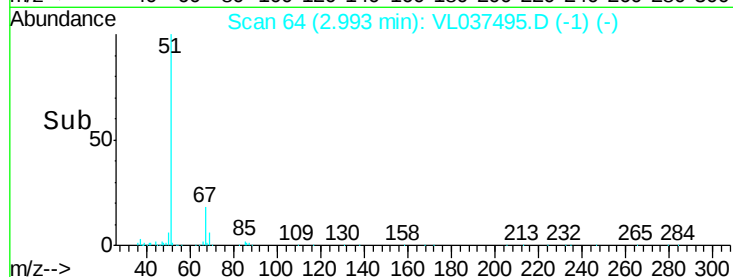
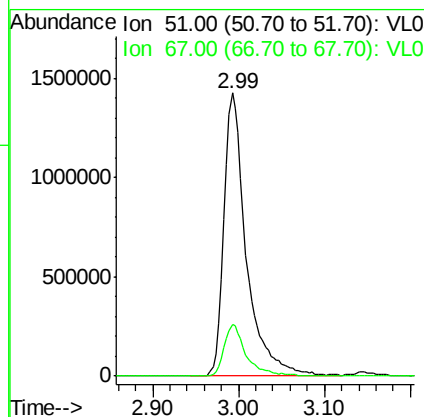
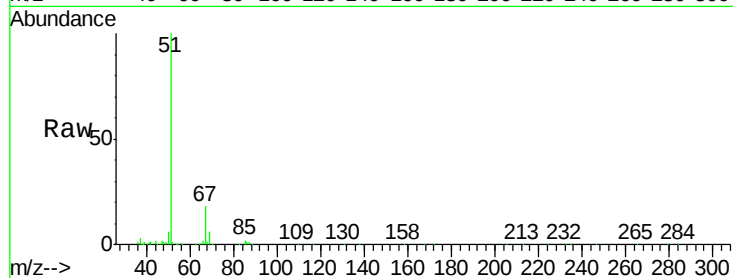
#3
Chlorodifluoromethane
Concen: 9.218 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

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VSTDCCC010

Tot Ion: 51 Resp: 2590867
Ion Ratio Lower Upper
51 100
67 18.2 14.2 21.2

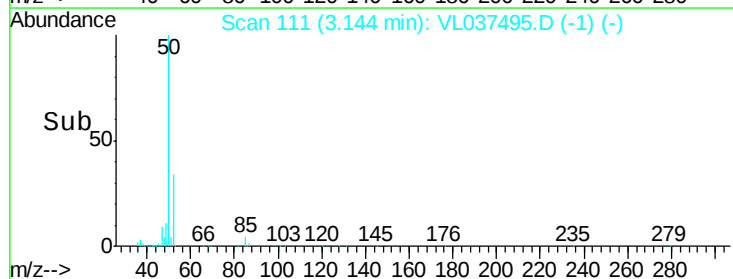
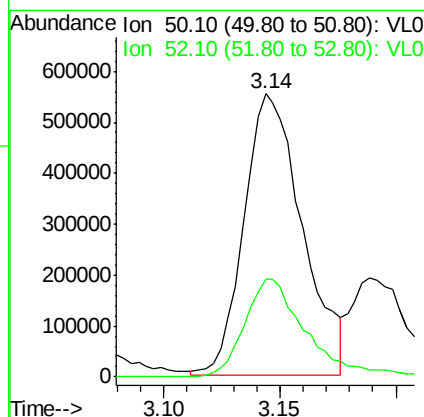
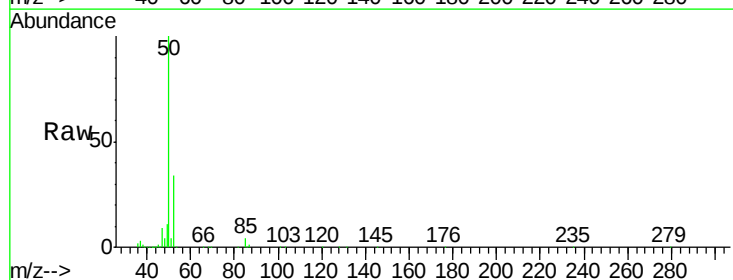
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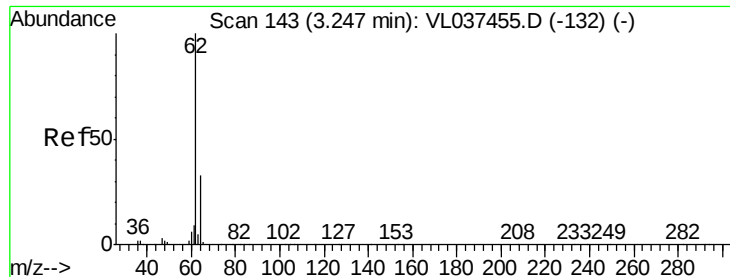
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#4
Chloromethane
Concen: 9.640 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 50 Resp: 968224
Ion Ratio Lower Upper
50 100
52 34.8 24.0 36.0





#5

Vinyl Chloride

Concen: 9.544 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 982012

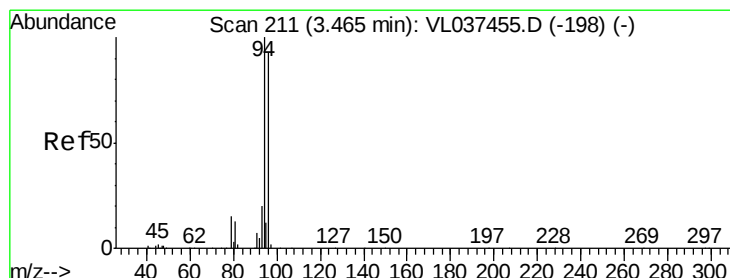
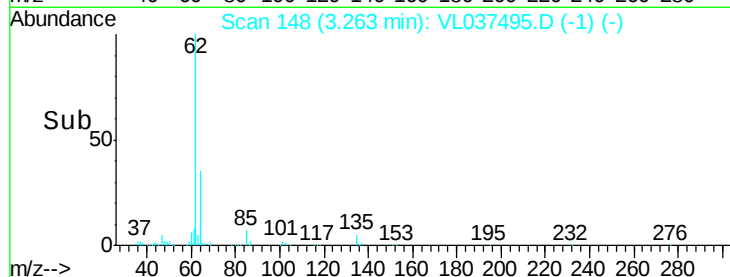
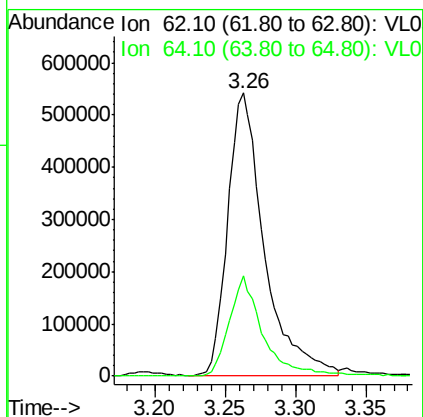
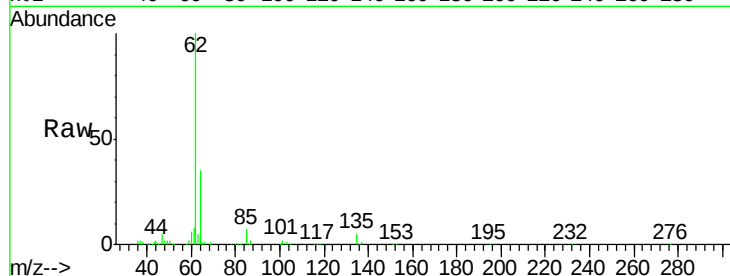
Ion Ratio Lower Upper

62 100

64 35.5 26.5 39.7

Manual Integrations
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#6

Bromomethane

Concen: 8.314 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL037495.D

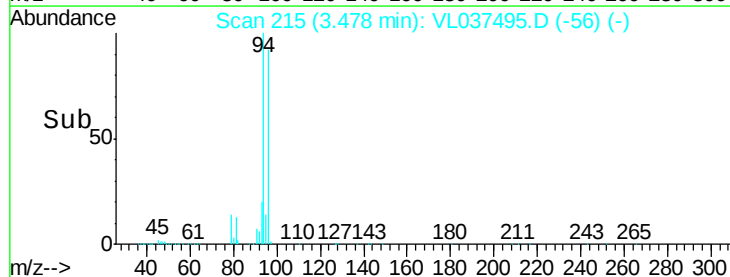
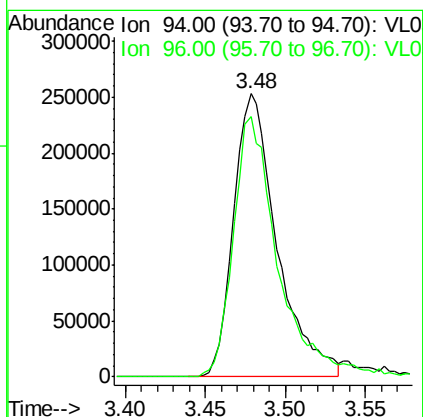
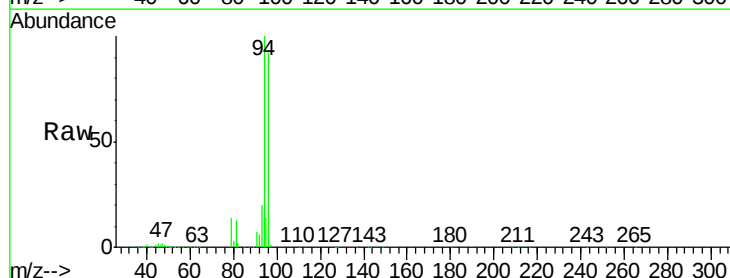
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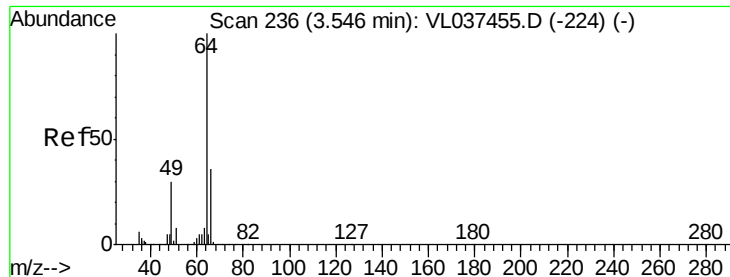
Tgt Ion: 94 Resp: 468612

Ion Ratio Lower Upper

94 100

96 92.1 74.5 111.7





#7

Chloroethane

Concen: 9.397 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 330039

Ion Ratio Lower Upper

64 100

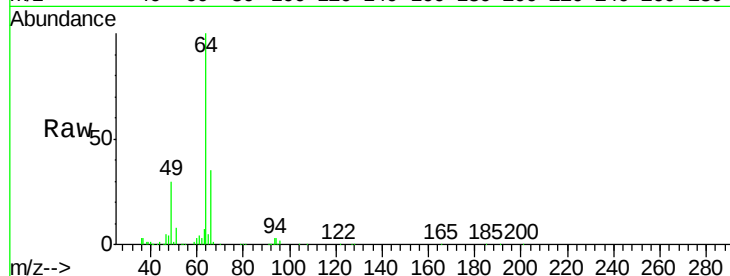
66 34.5 28.6 43.0

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

200000

150000

100000

50000

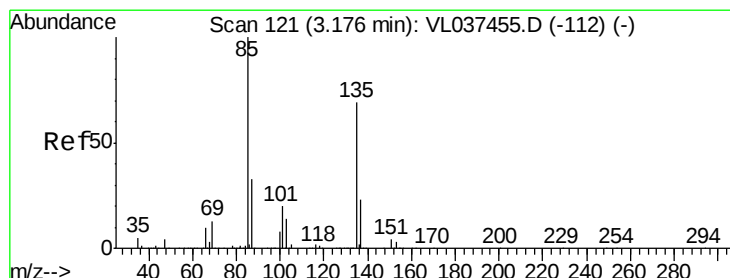
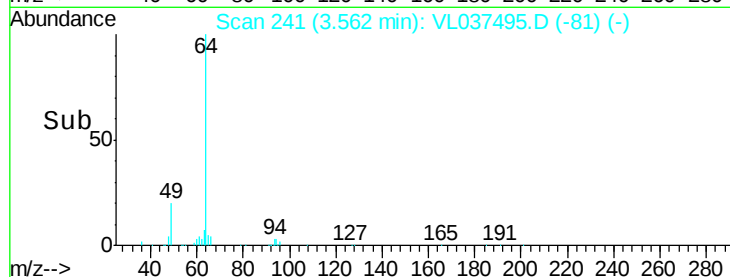
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3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.305 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.02 min

Lab File: VL037495.D

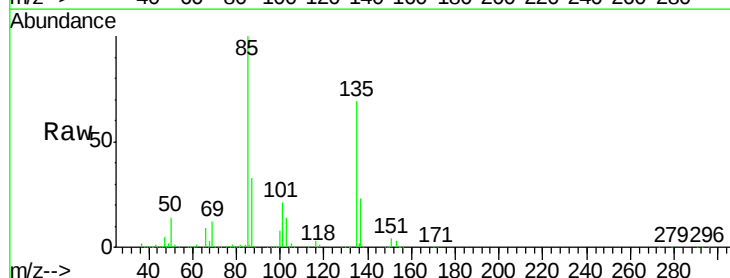
Acq: 19 Aug 2021 11:03

Tgt Ion: 85 Resp: 2262277

Ion Ratio Lower Upper

85 100

135 73.9 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

500000

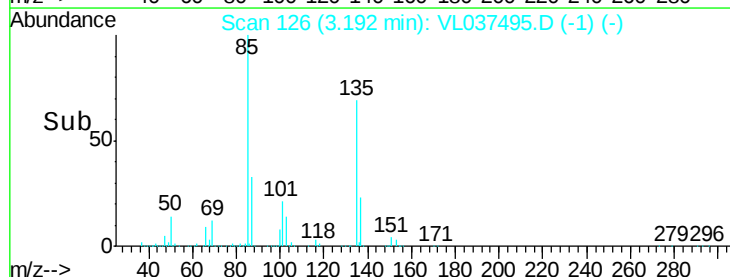
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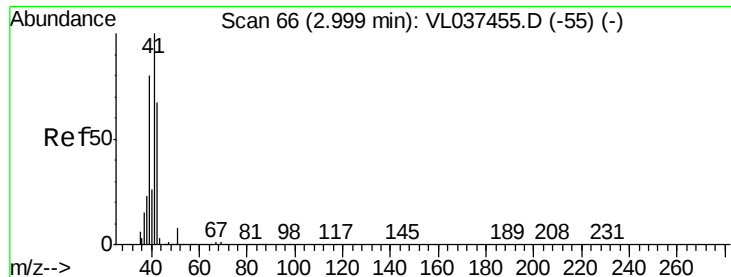
3.15

3.20

3.25

Time-->





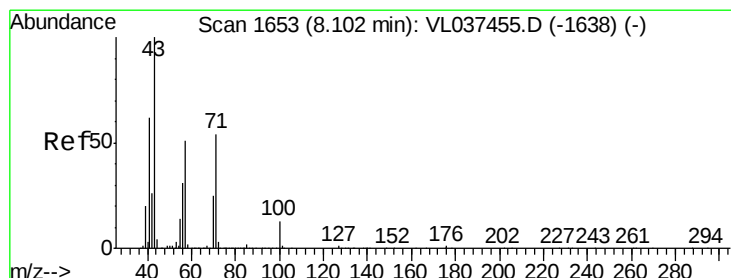
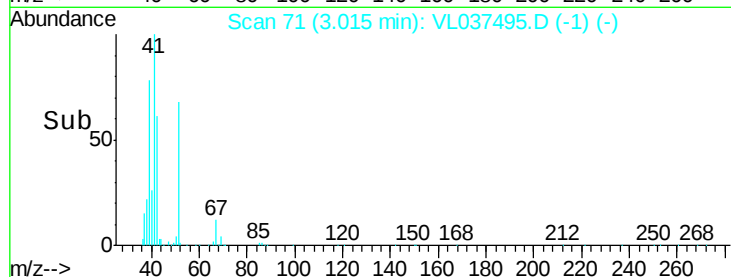
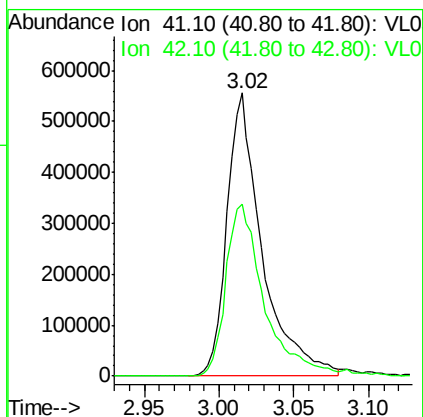
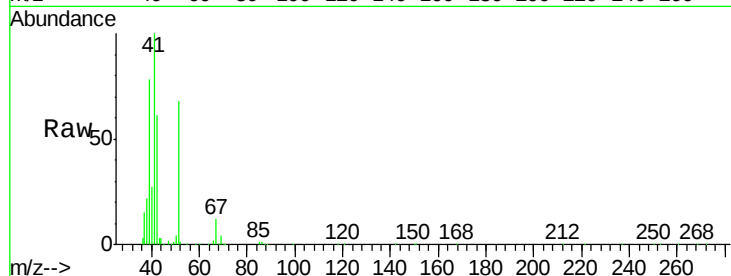
#9
 Propene
 Concen: 9.047 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Instrument :
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Tot Ion: 41 Resp: 909748
 Ion Ratio Lower Upper
 41 100
 42 67.0 53.7 80.5

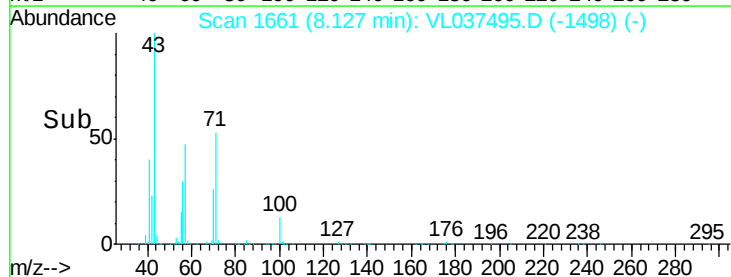
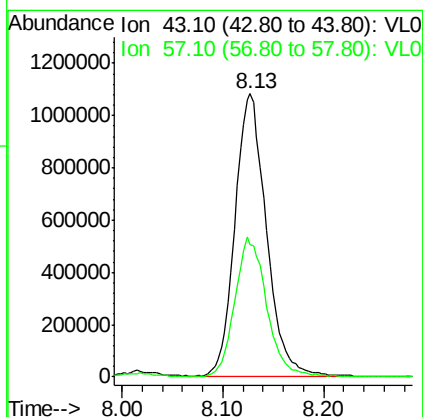
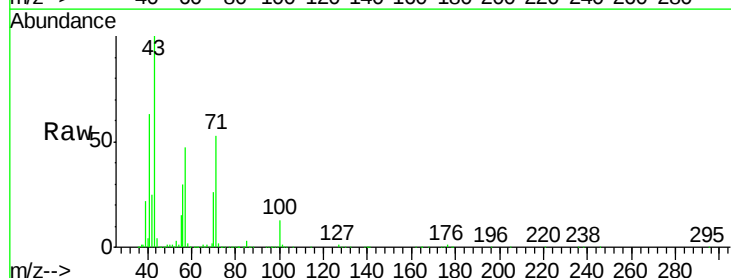
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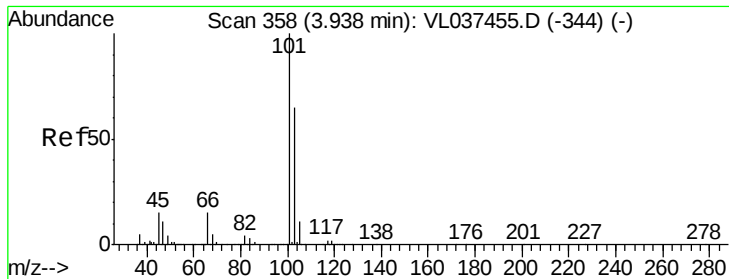
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#10
 Heptane
 Concen: 10.082 ppbv
 RT: 8.13 min Scan# 1661
 Delta R.T. 0.03 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion: 43 Resp: 2333671
 Ion Ratio Lower Upper
 43 100
 57 49.9 41.0 61.6





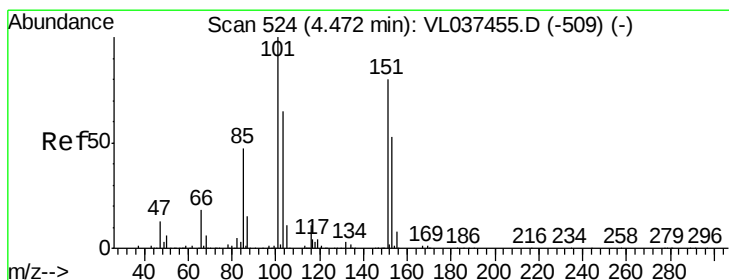
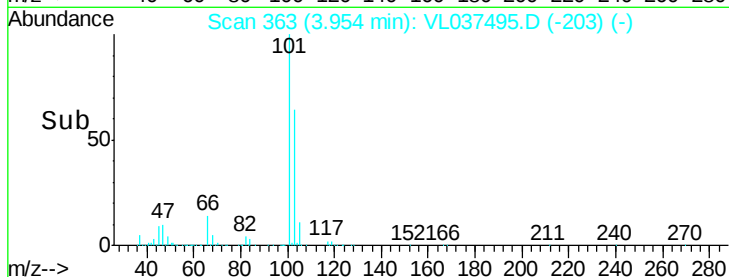
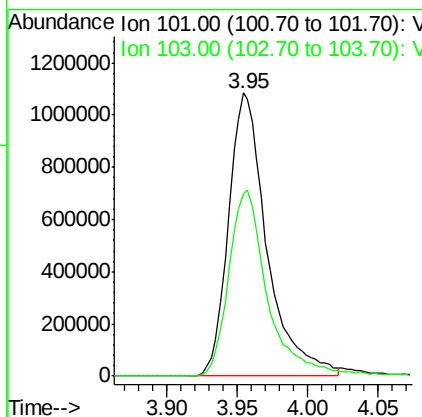
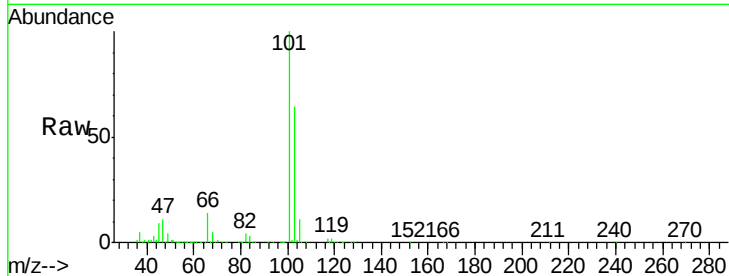
#11
 Trichlorofluoromethane
 Concen: 9.365 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2070341
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.8 77.6

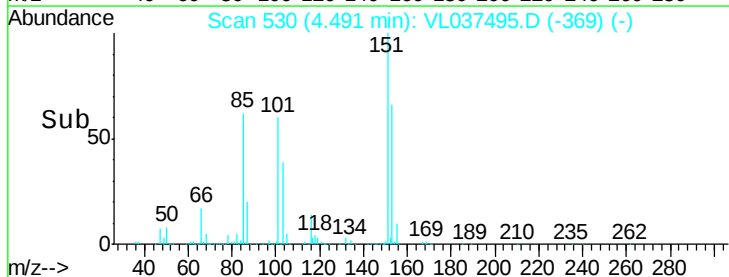
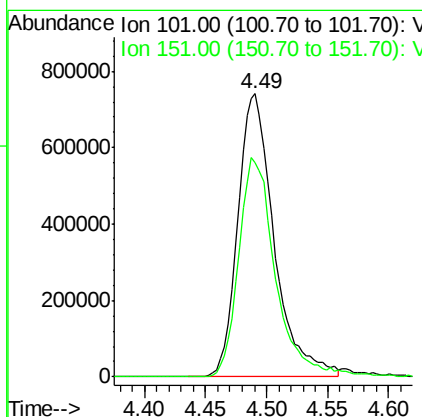
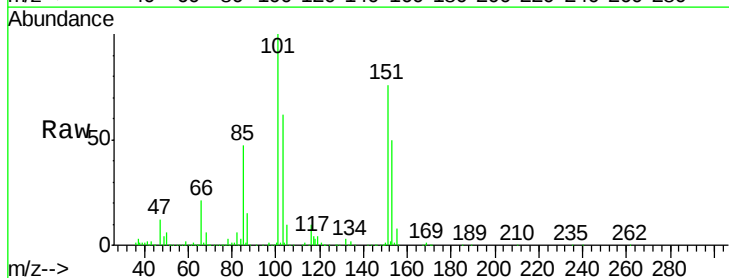
Manual Integrations
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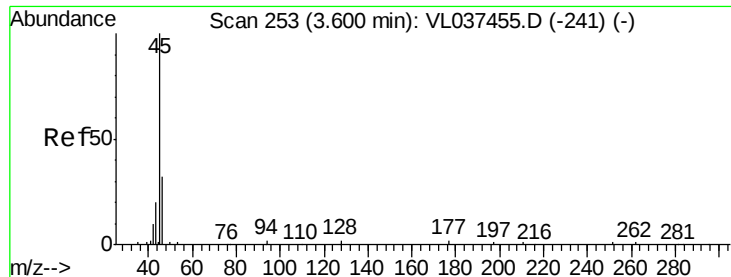
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.398 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion:101 Resp: 1524536
 Ion Ratio Lower Upper
 101 100
 151 79.3 63.7 95.5





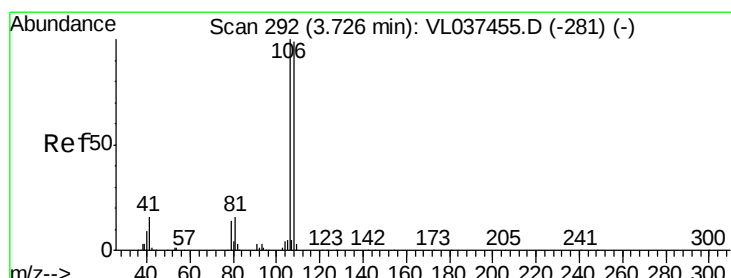
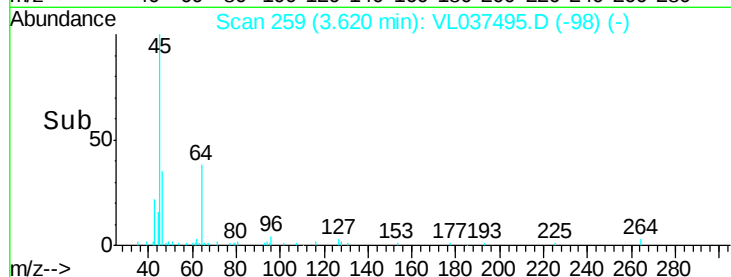
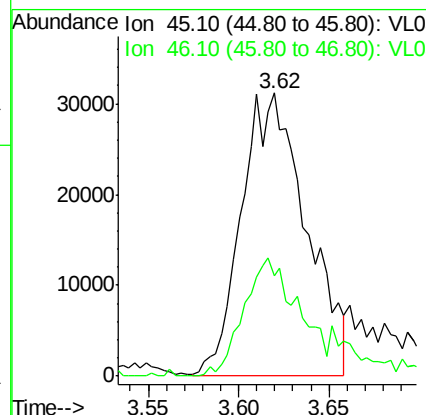
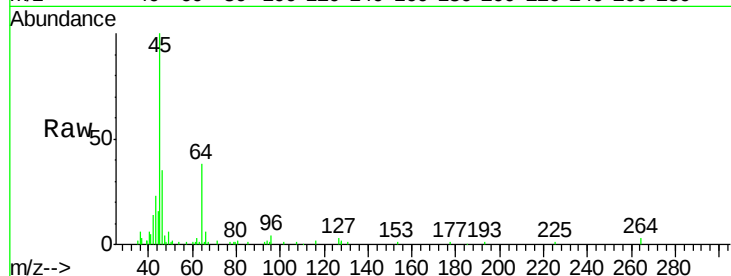
#13
Ethanol
Concen: 7.966 ppbv m
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	47.3	14.1	56.5

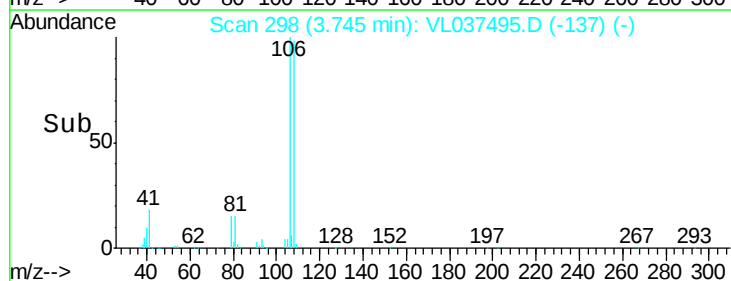
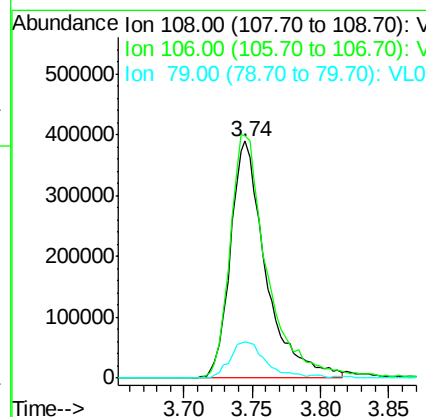
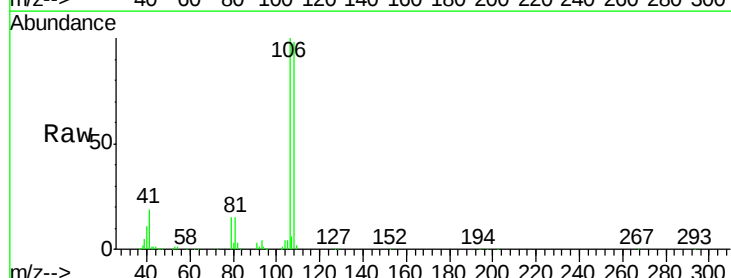
Manual Integrations
APPROVED

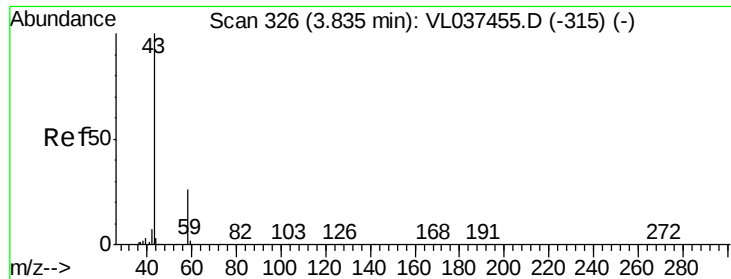
MMDadoda
8/20/2021 6:30:59 PM



#14
Bromoethene
Concen: 9.566 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion	Ratio	Lower	Upper
108	100		
106	109.2	85.8	128.8
79	16.5	12.6	18.8





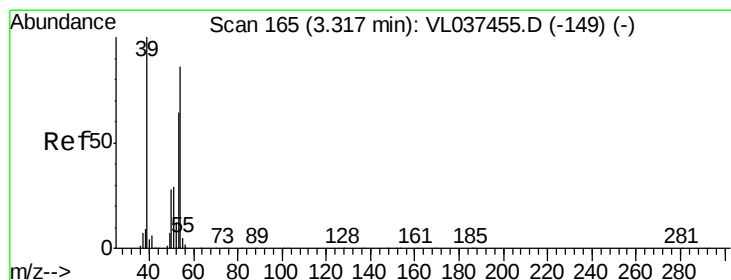
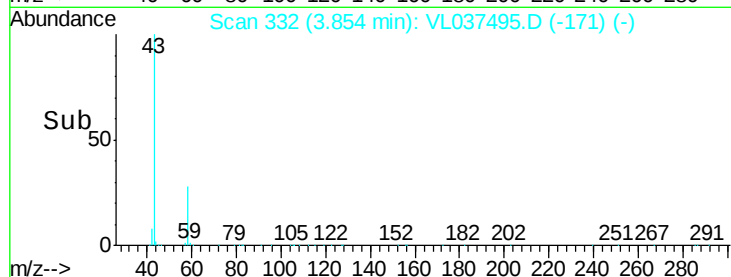
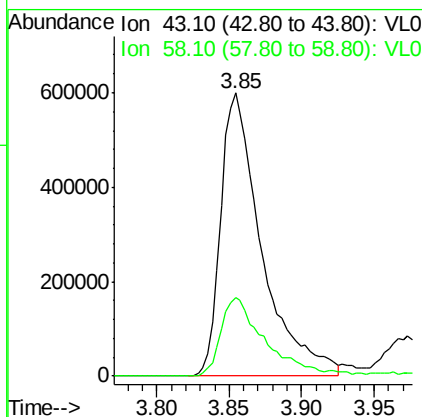
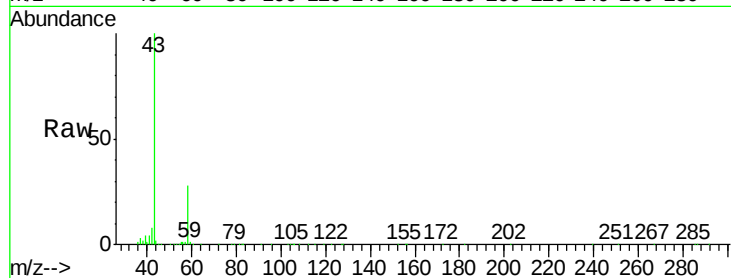
#15
Acetone
Concen: 7.861 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1174273
Ion Ratio Lower Upper
43 100
58 30.6 24.8 37.2

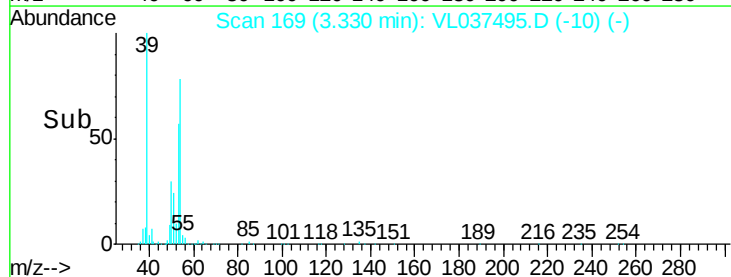
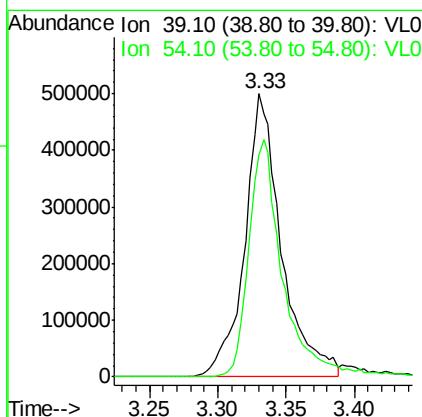
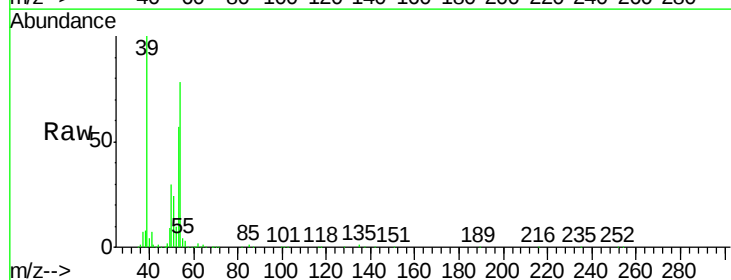
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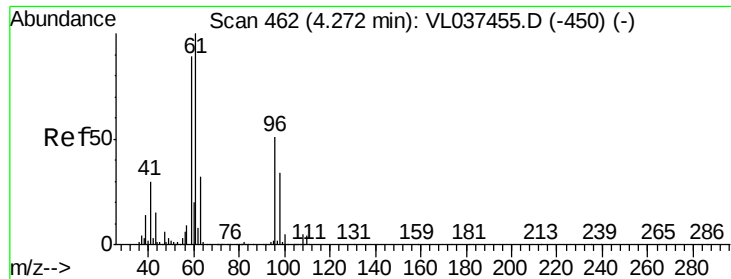
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#16
1,3-Butadiene
Concen: 9.737 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 39 Resp: 932999
Ion Ratio Lower Upper
39 100
54 78.1 63.7 95.5





#17

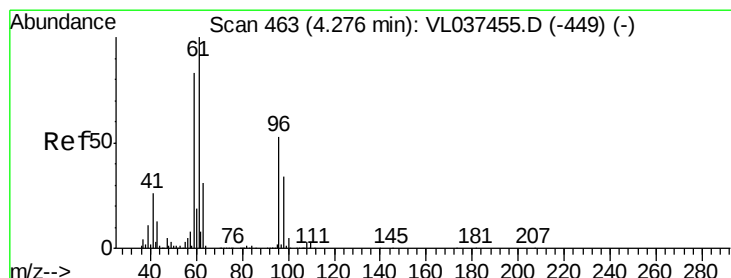
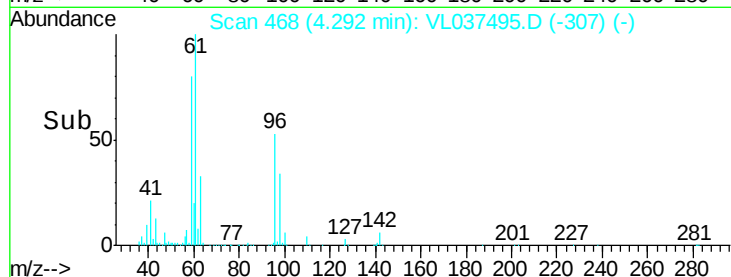
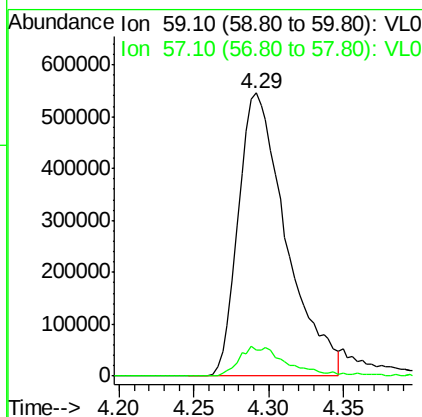
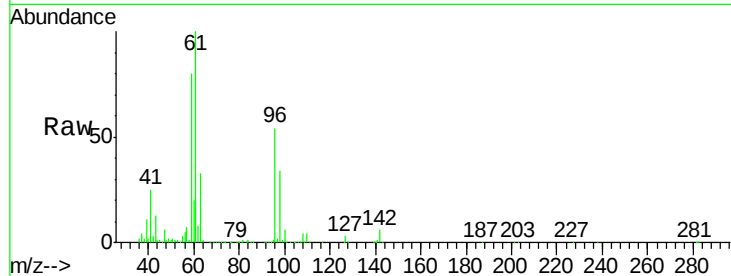
tert-Butyl alcohol
Concen: 8.894 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1213679
Ion Ratio Lower Upper
59 100
57 11.1 8.3 12.5

Manual Integrations
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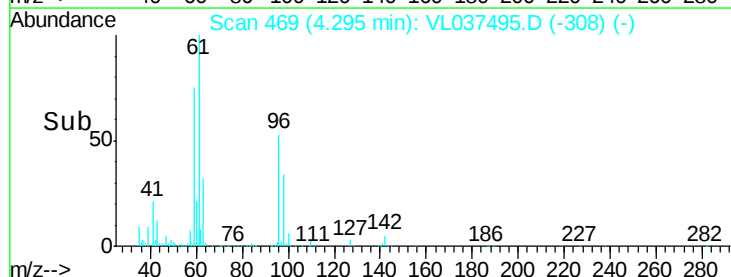
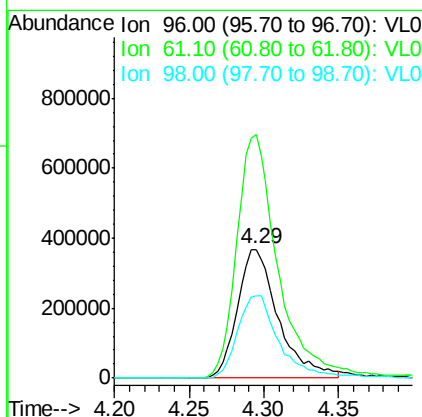
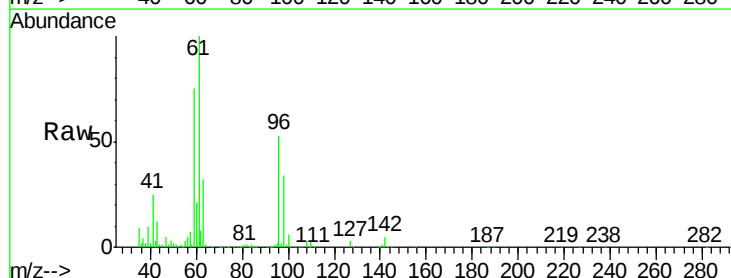
MMDadoda
8/20/2021 6:30:59 PM

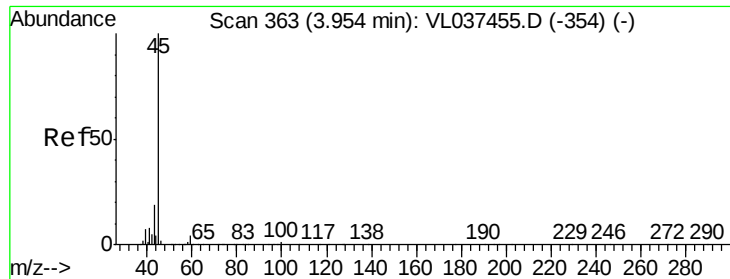


#18

1,1-Dichloroethene
Concen: 9.493 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 96 Resp: 699512
Ion Ratio Lower Upper
96 100
61 189.0 151.1 226.7
98 63.9 51.8 77.8





#19

Isopropyl Alcohol

Concen: 8.349 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 714451

Ion Ratio Lower Upper

45 100

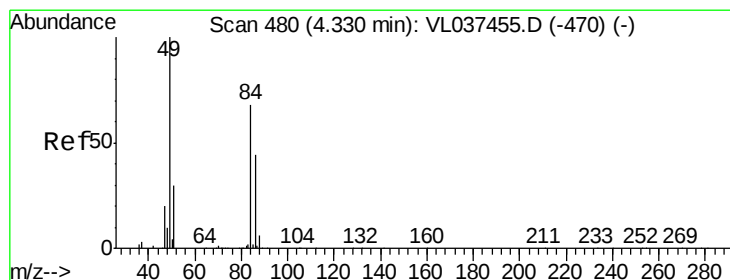
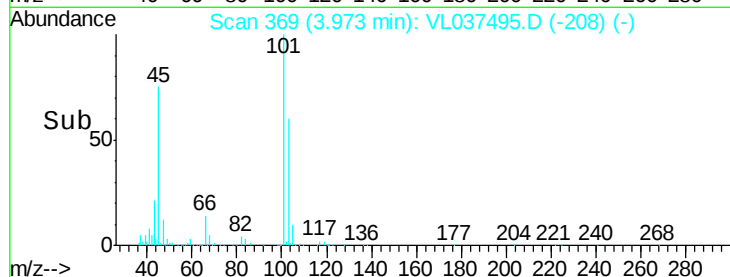
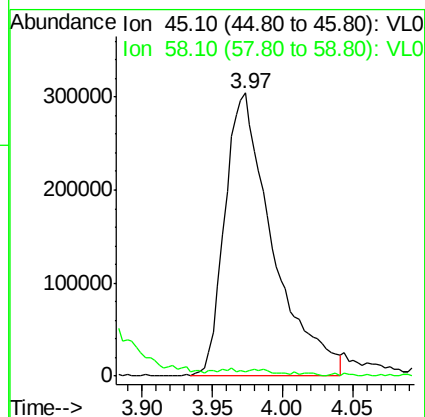
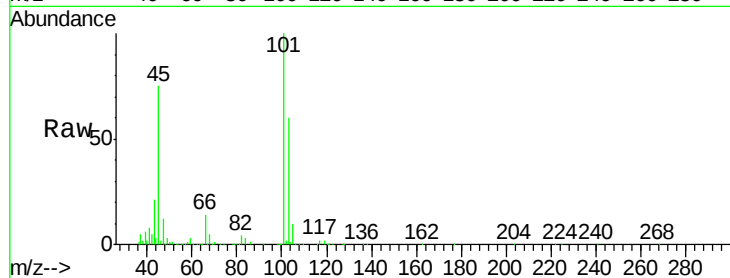
58 2.4 1.4 2.2#

Manual Integrations

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#20

Methylene Chloride

Concen: 8.333 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Tgt Ion: 84 Resp: 623225

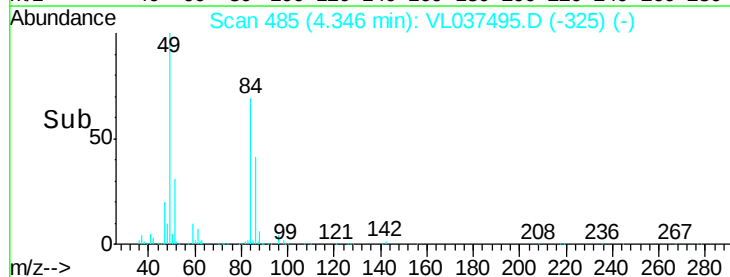
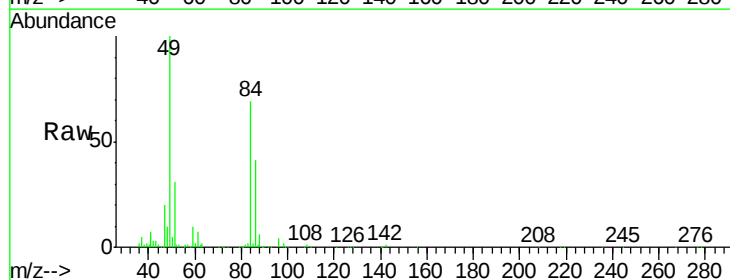
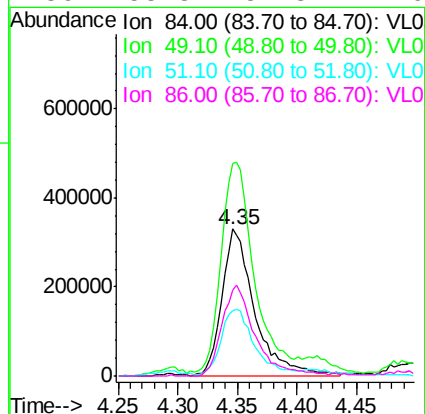
Ion Ratio Lower Upper

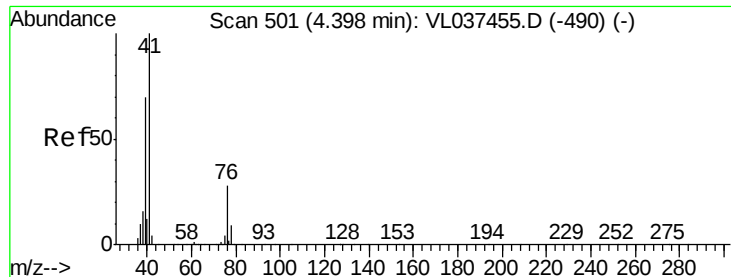
84 100

49 142.3 118.2 177.2

51 43.2 36.6 55.0

86 58.8 51.8 77.6





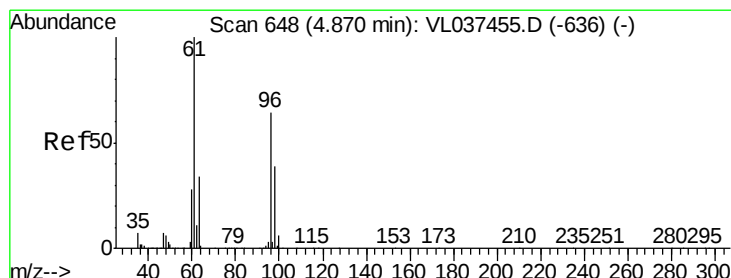
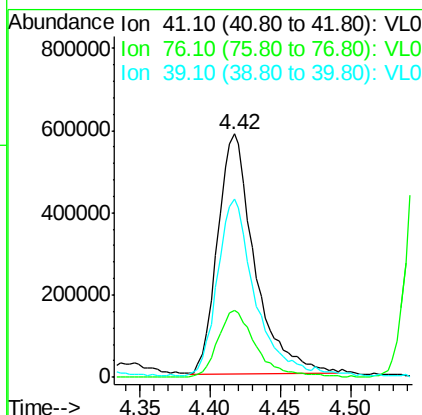
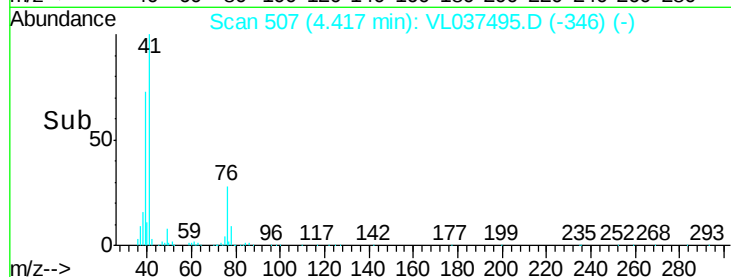
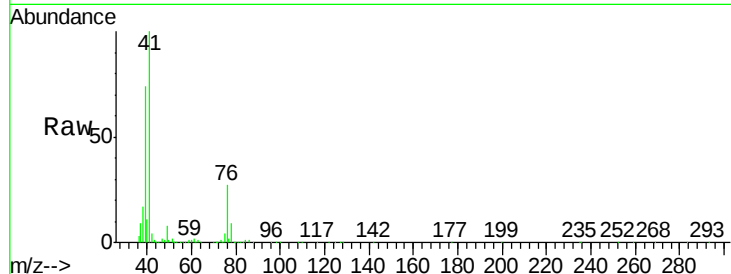
#21
Allvl Chloride
Concen: 8.780 ppbv
RT: 4.42 min Scan# 507
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.3	21.8	32.6
39	77.3	56.8	85.2

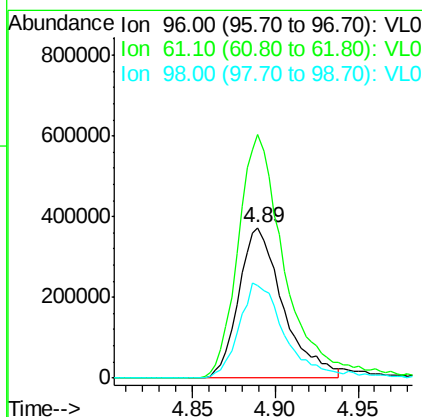
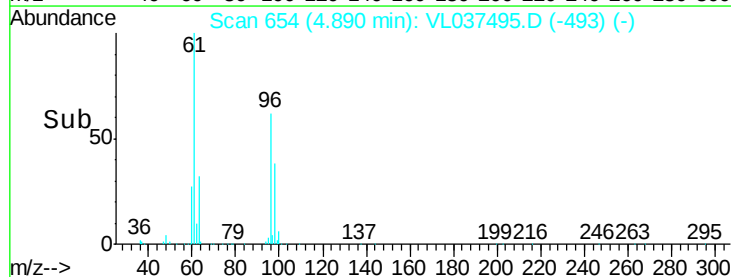
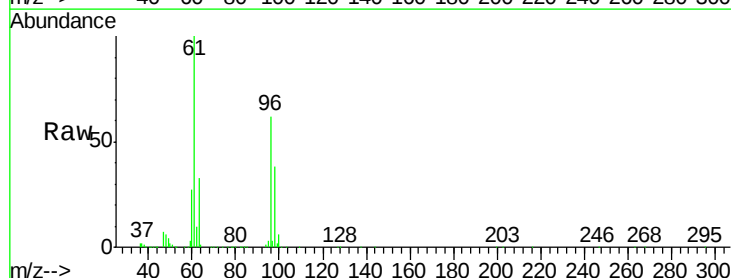
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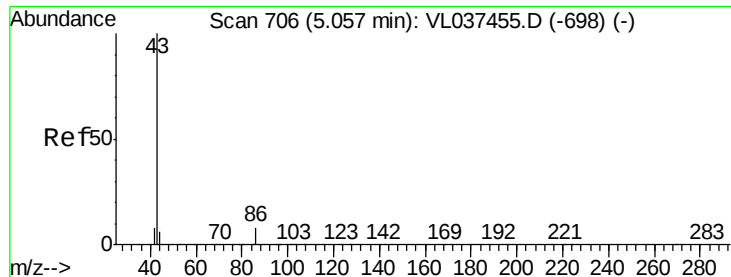
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#22
trans-1,2-Dichloroethene
Concen: 9.464 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.0	125.5	188.3
98	61.6	49.0	73.4





#23

Vinyl Acetate

Concen: 10.428 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Tot Ion: 43 Resp: 2295955

Ion Ratio Lower Upper

43 100

86 6.5 5.7 8.5

42 9.8 7.4 11.2

44 5.1 4.3 6.5

Instrument :

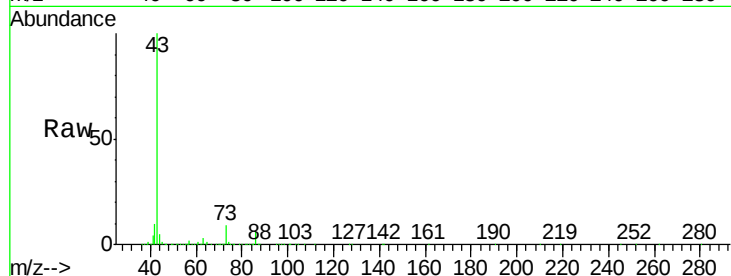
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ClientSampleId :

VSTDCCC010

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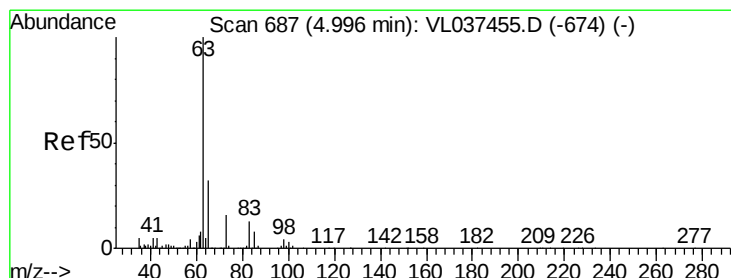
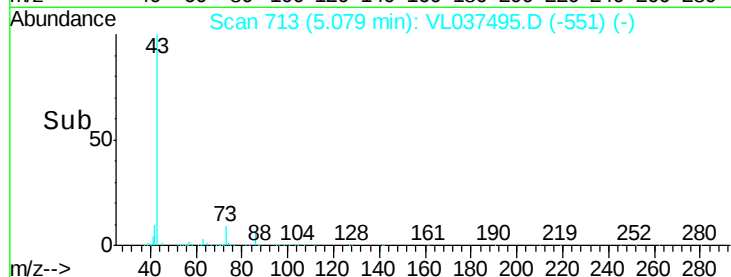
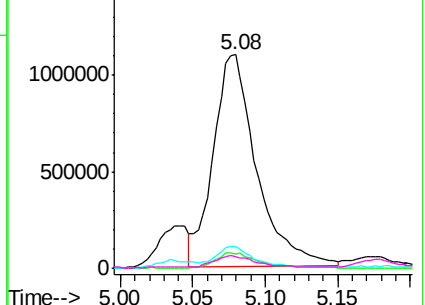


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.608 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

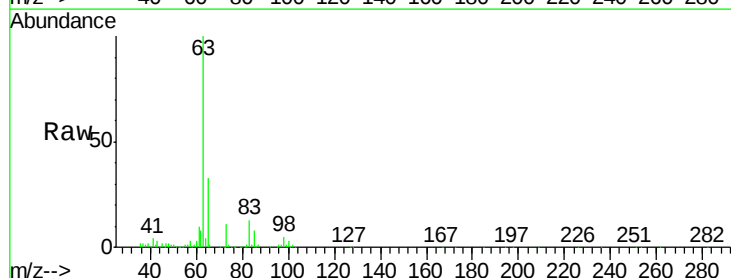
Tgt Ion: 63 Resp: 1534261

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.3

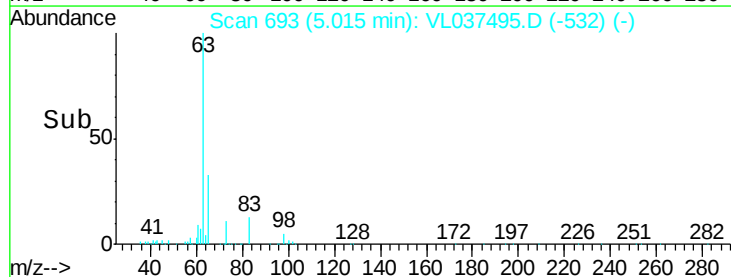
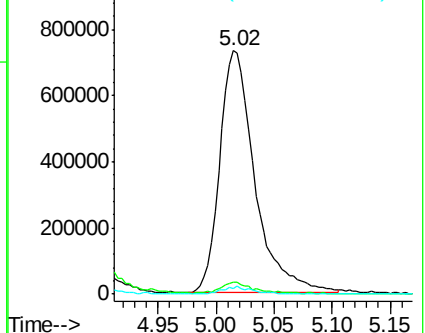
100 2.5 1.6 4.7

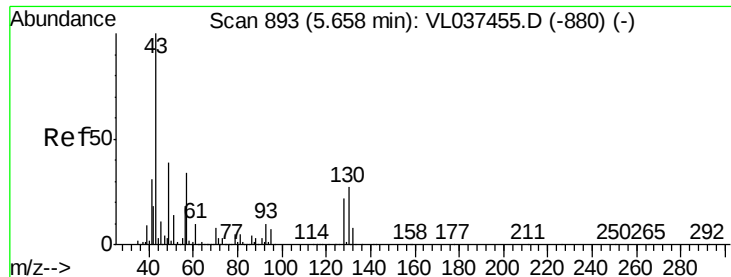


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





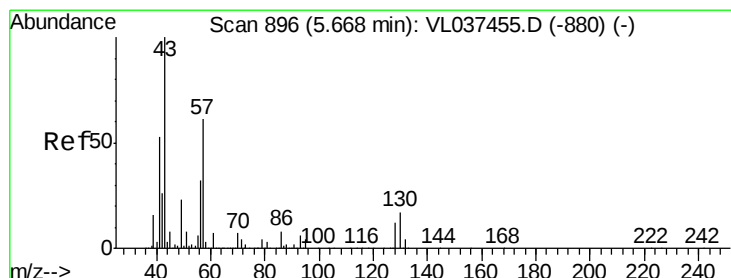
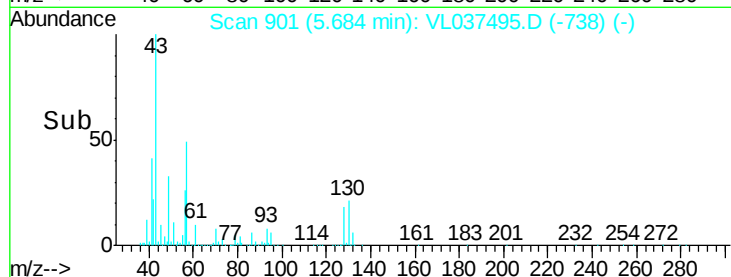
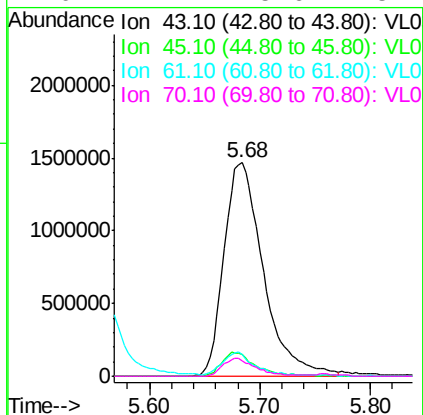
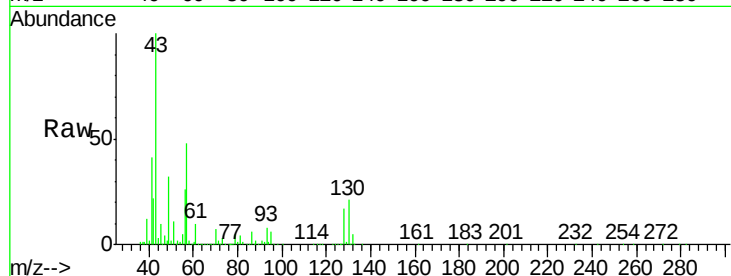
#25
Ethyl Acetate
Concen: 9.552 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.03 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	43	Resp	3622165
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.8	8.0	12.0
70	7.2	5.6	8.4

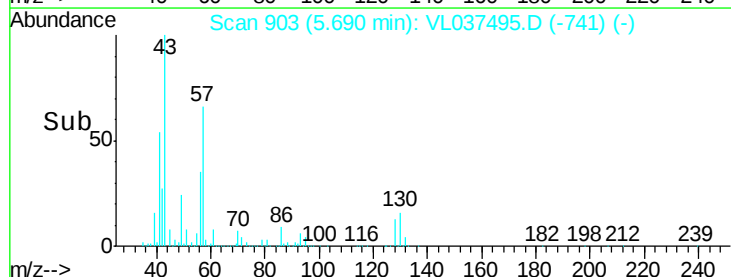
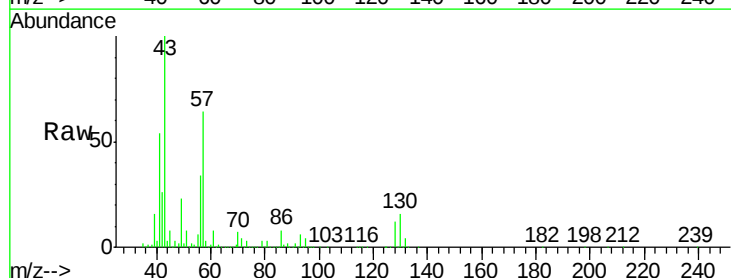
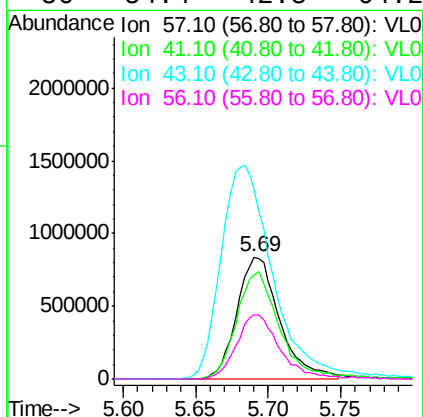
Manual Integrations
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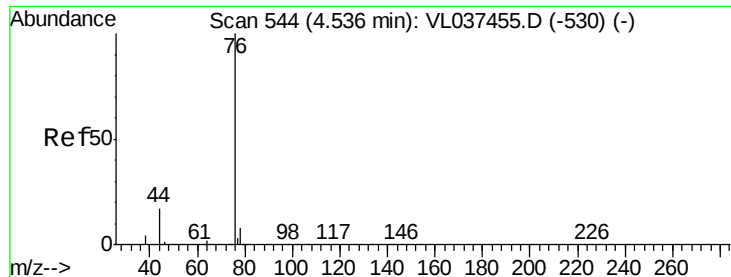
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#26
Hexane
Concen: 9.228 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion	57	Resp	1711006
Ion	Ratio	Lower	Upper
57	100		
41	90.2	72.3	108.5
43	214.5	172.3	258.5
56	54.4	42.8	64.2





#27

Carbon Disulfide

Concen: 10.335 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1707642

Ion Ratio Lower Upper

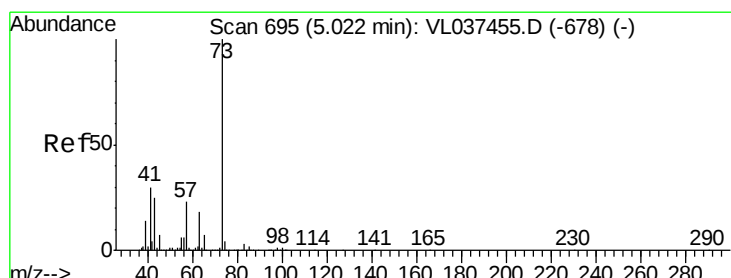
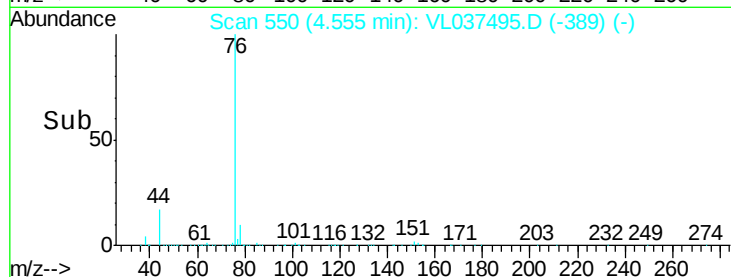
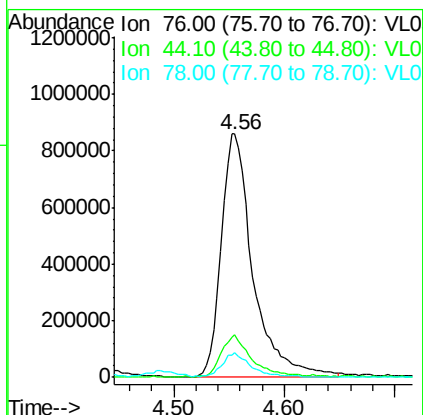
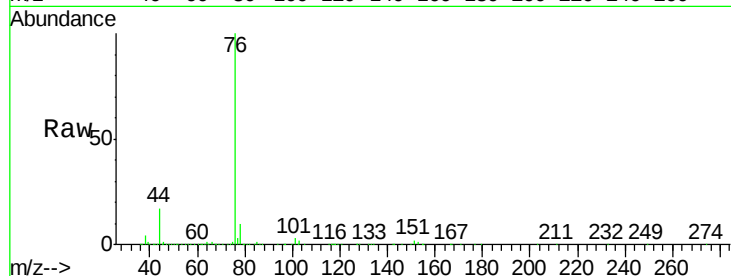
76 100

44 17.3 13.9 20.9

78 9.9 7.9 11.9

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#28

Methyl tert-Butyl Ether

Concen: 10.167 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.02 min

Lab File: VL037495.D

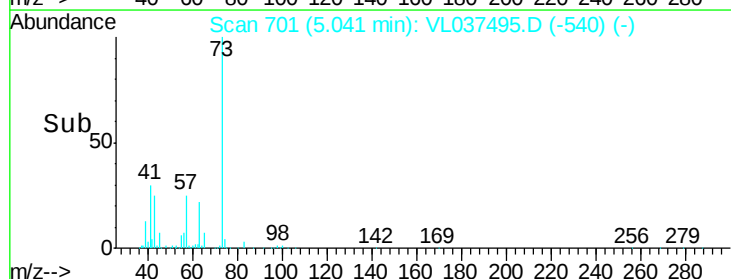
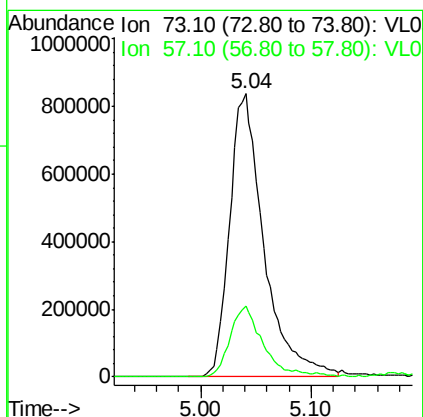
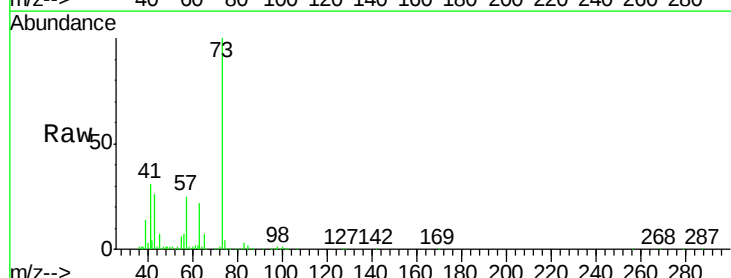
Acq: 19 Aug 2021 11:03

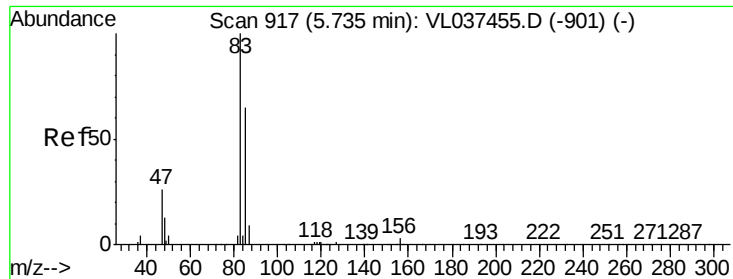
Tgt Ion: 73 Resp: 1810407

Ion Ratio Lower Upper

73 100

57 24.5 19.4 29.2





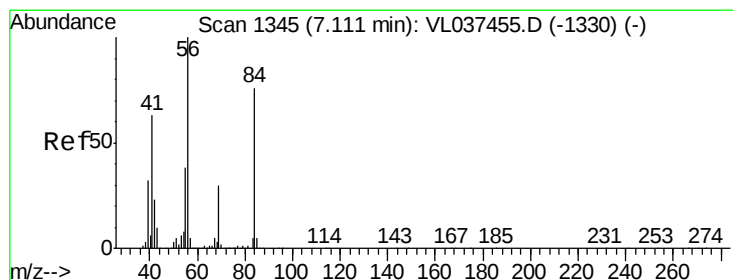
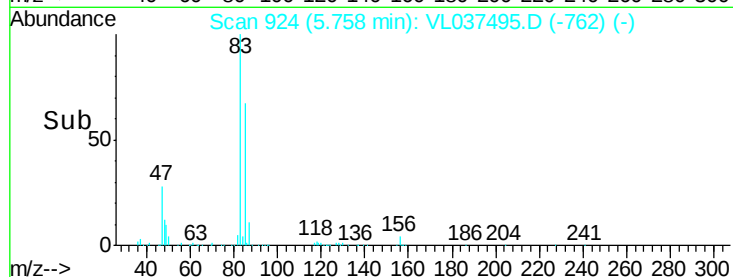
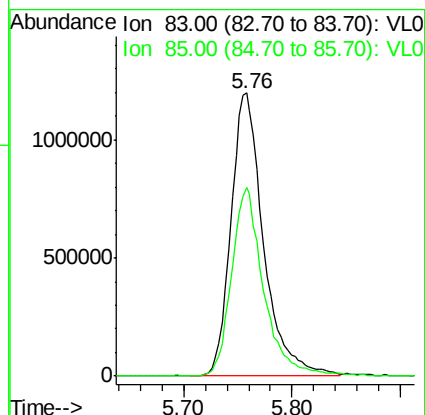
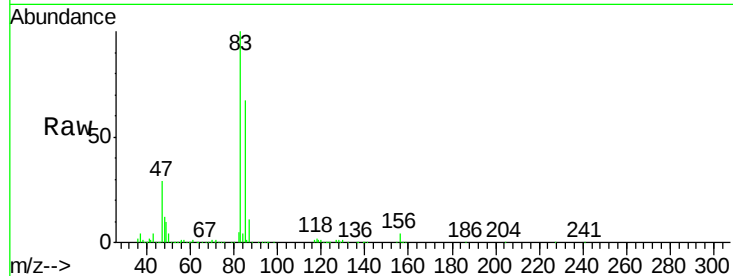
#29
Chloroform
Concen: 9.612 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2525748
Ion Ratio Lower Upper
83 100
85 66.5 52.3 78.5

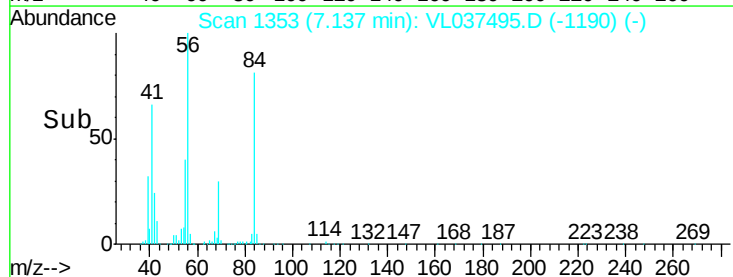
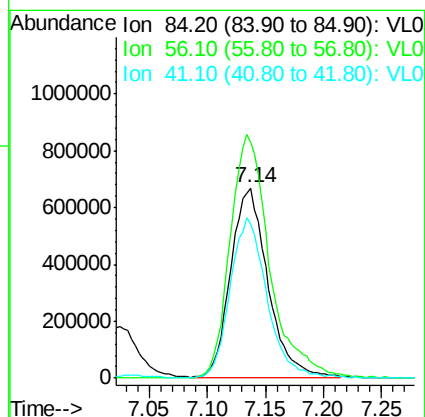
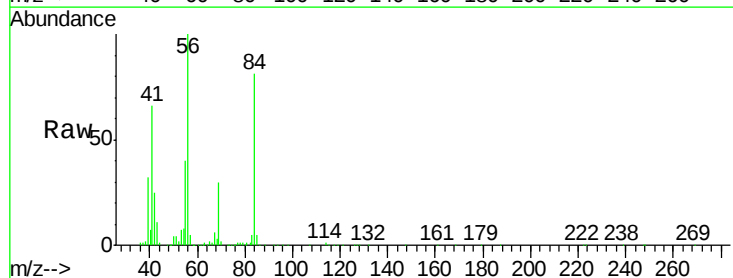
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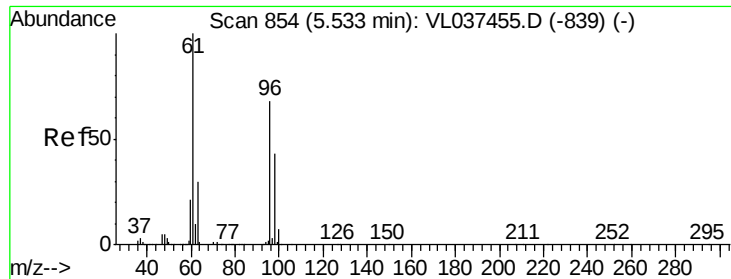
MMDadoda
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#30
Cyclohexane
Concen: 9.684 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.03 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 84 Resp: 1496055
Ion Ratio Lower Upper
84 100
56 136.1 110.6 165.8
41 82.9 67.0 100.6





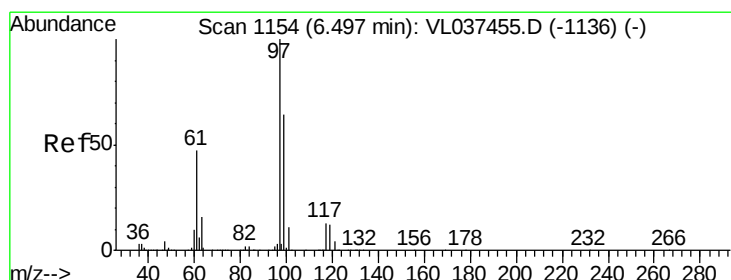
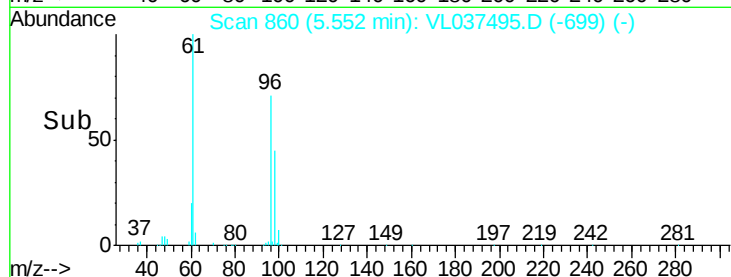
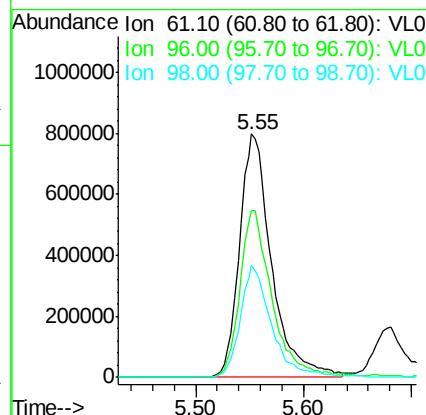
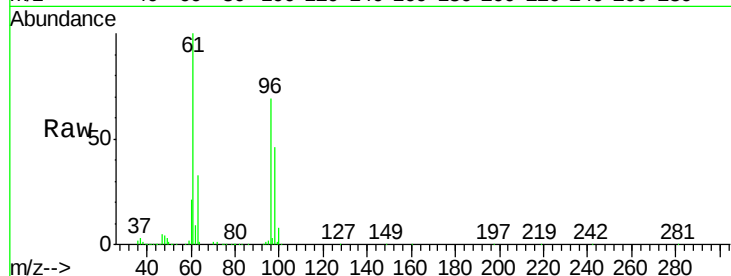
#31
 cis-1,2-Dichloroethene
 Concen: 9.834 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.7	54.8	82.2
98	45.7	34.2	51.2

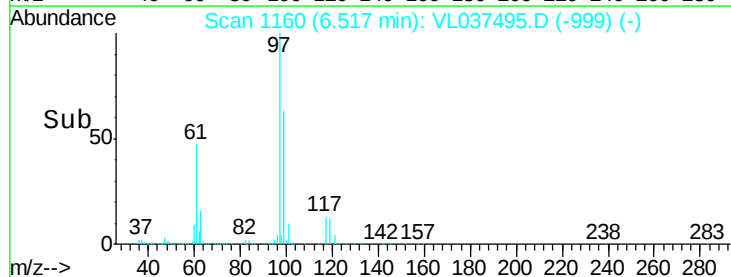
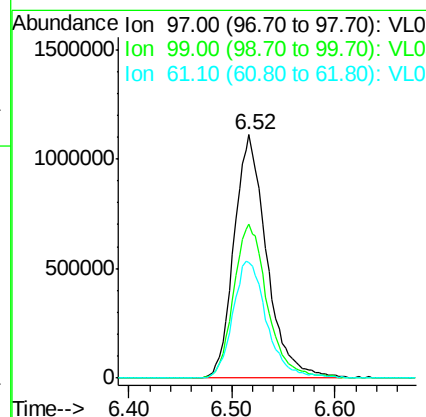
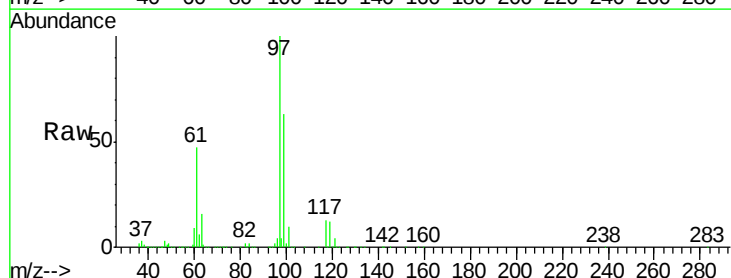
Manual Integrations
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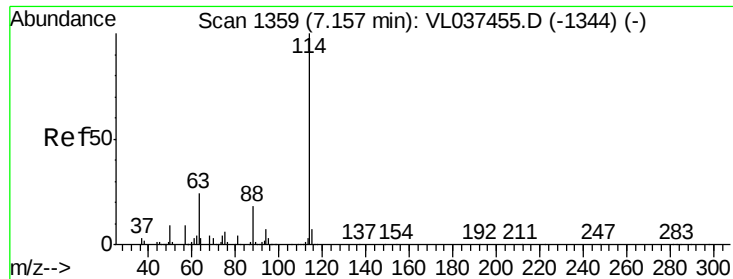
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 9.485 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.8	77.6
61	50.2	39.6	59.4





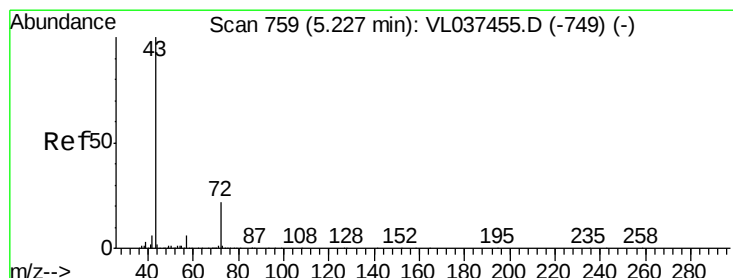
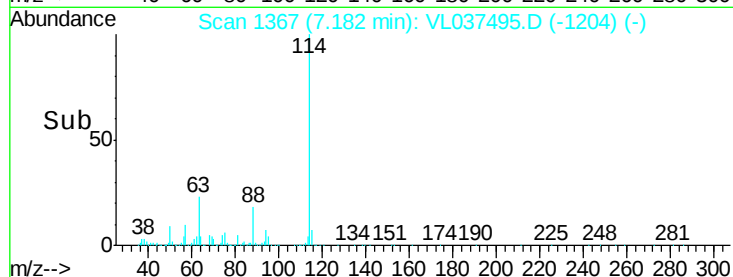
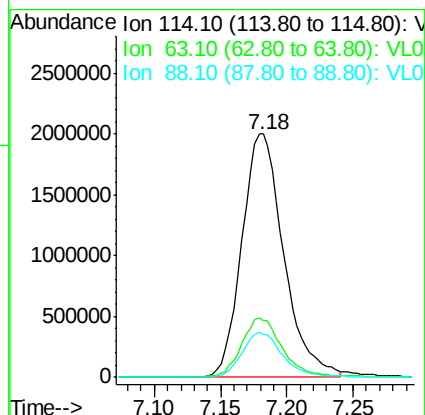
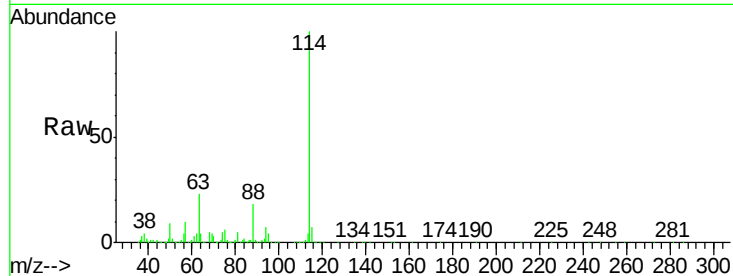
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.03 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4396319
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.3 28.9
 88 18.2 14.2 21.4

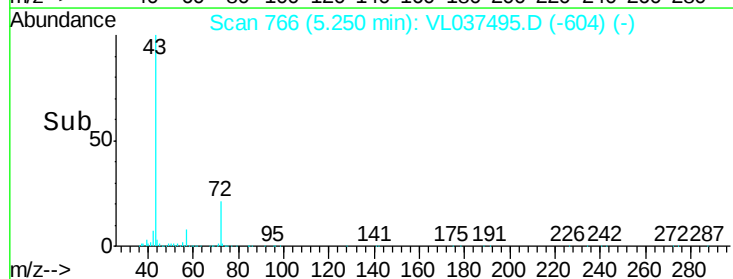
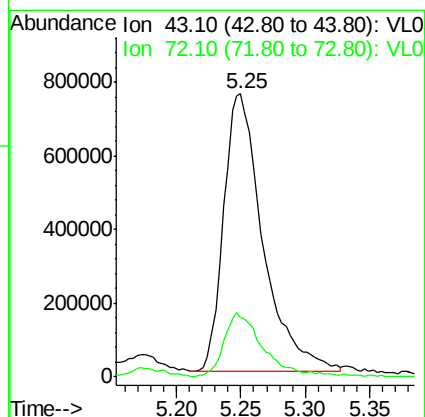
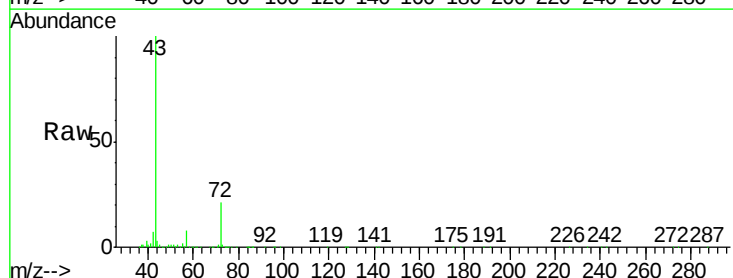
Manual Integrations
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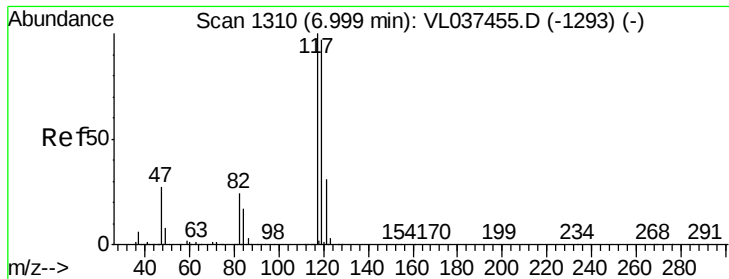
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#34
 2-Butanone
 Concen: 8.908 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion: 43 Resp: 1599235
 Ion Ratio Lower Upper
 43 100
 72 23.1 17.4 26.0





#35

Carbon Tetrachloride

Concen: 9.871 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.03 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

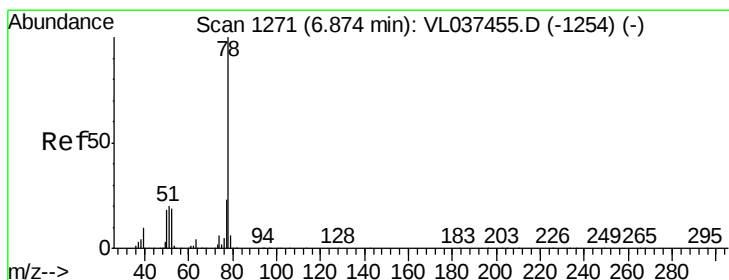
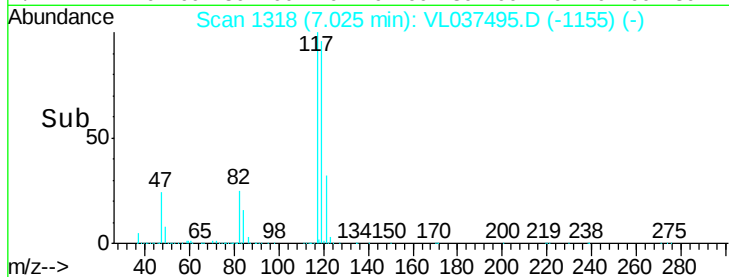
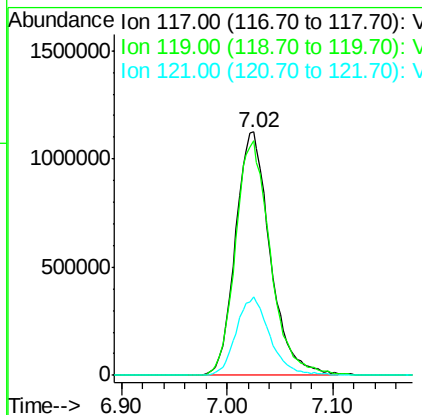
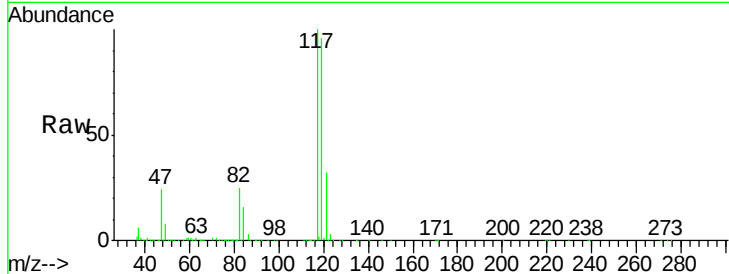
ClientSampleId :

VSTDCCC010

Tot Ion:	117	Resp:	2564601
Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.3	115.9
121	32.4	25.2	37.8

Manual Integrations
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#36

Benzene

Concen: 9.793 ppbv

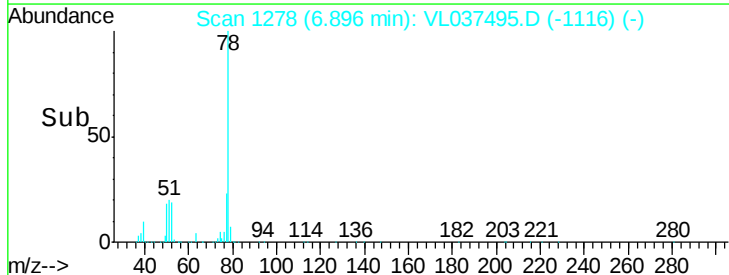
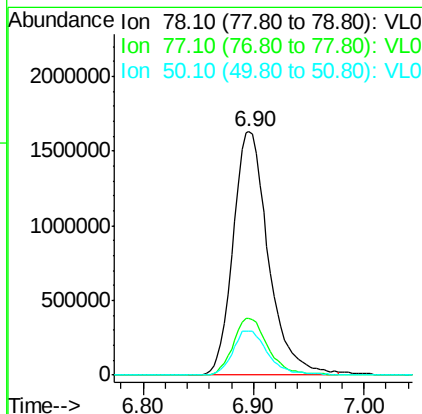
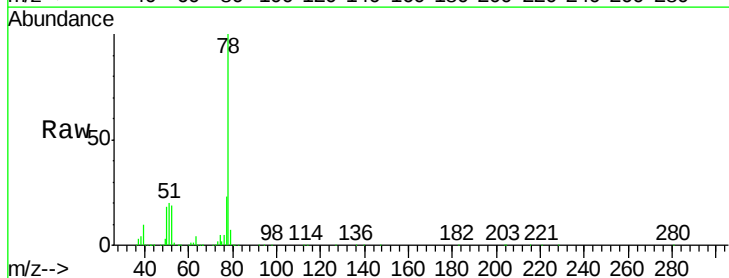
RT: 6.90 min Scan# 1278

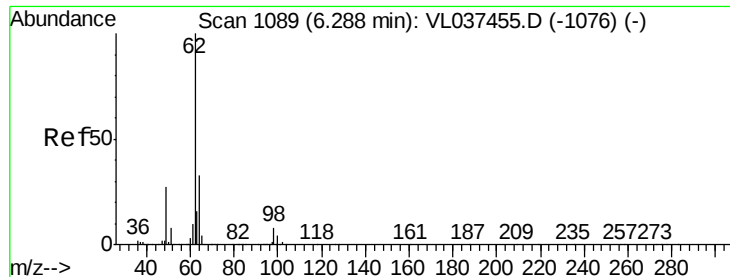
Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Tgt Ion:	78	Resp:	3619127
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.2	27.4
50	17.9	14.6	21.8





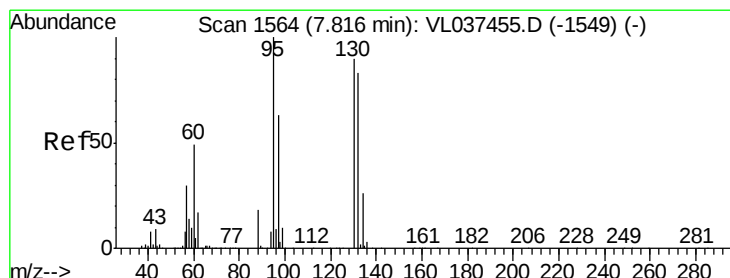
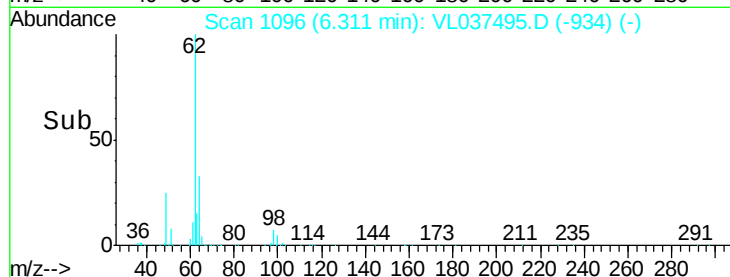
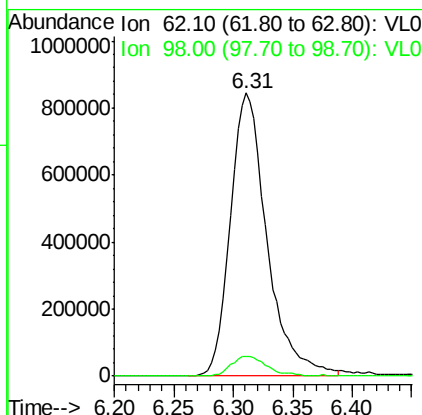
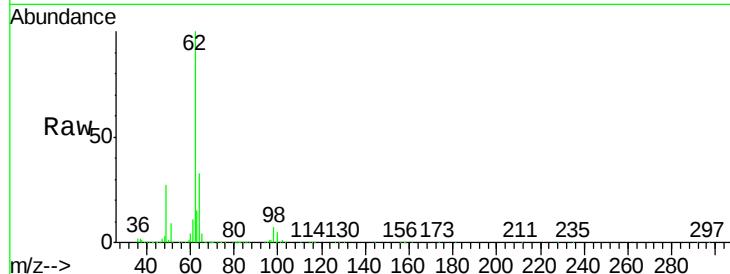
#37
 1,2-Dichloroethane
 Concen: 9.848 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1802746
 Ion Ratio Lower Upper
 62 100
 98 7.3 6.0 9.0

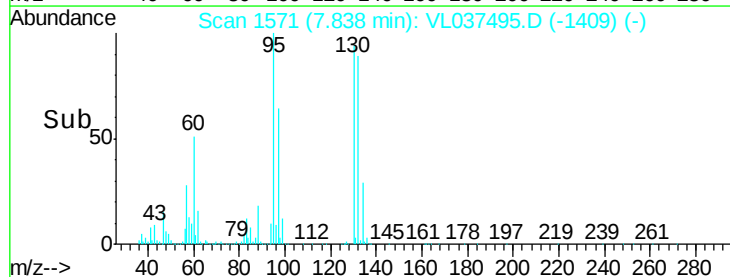
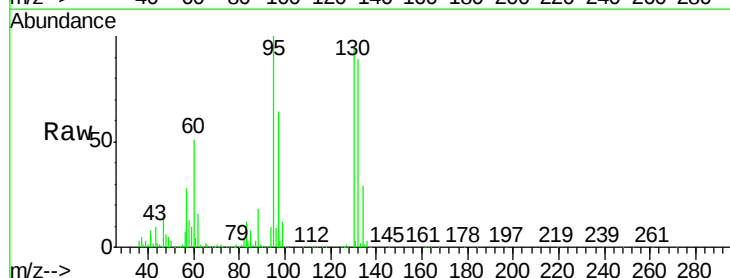
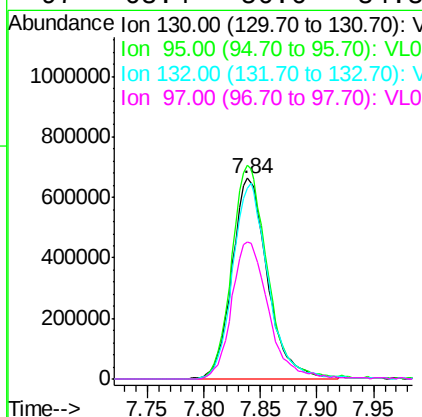
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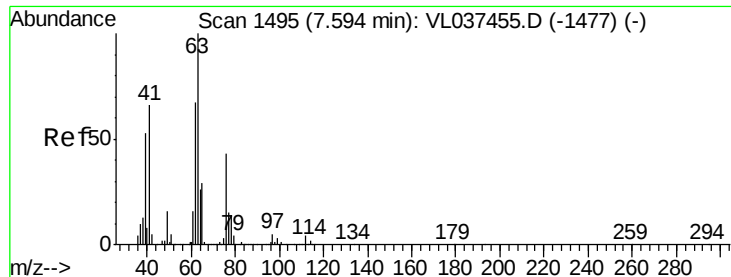
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#38
 Trichloroethene
 Concen: 9.494 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion: 130 Resp: 1439547
 Ion Ratio Lower Upper
 130 100
 95 106.8 89.2 133.8
 132 95.5 74.0 111.0
 97 68.4 56.6 84.8





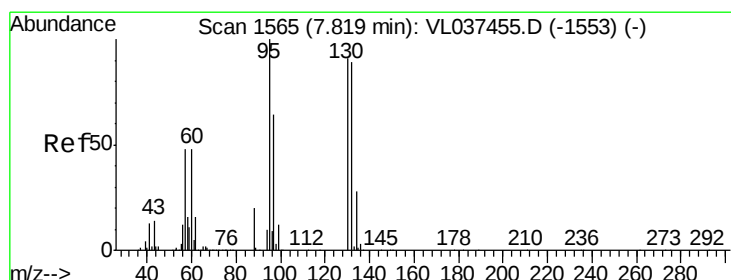
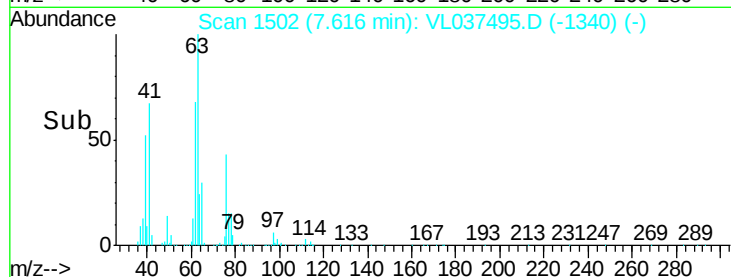
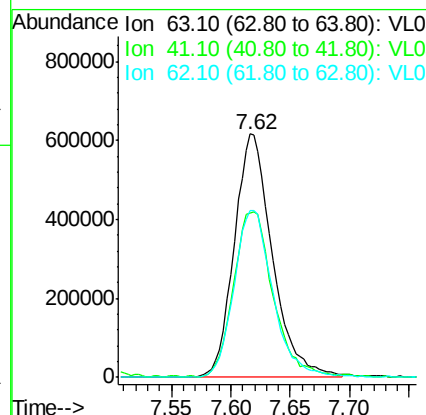
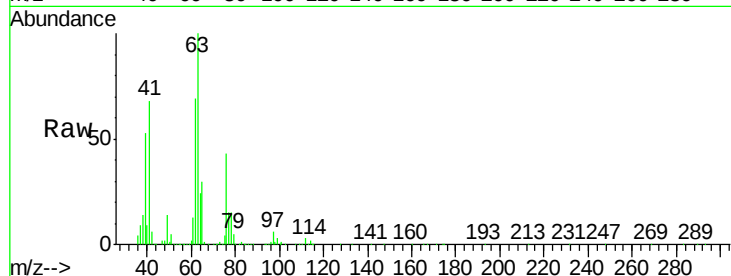
#39
 1,2-Dichloropropane
 Concen: 9.606 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	67.0	52.4	78.6
62	68.6	53.6	80.4

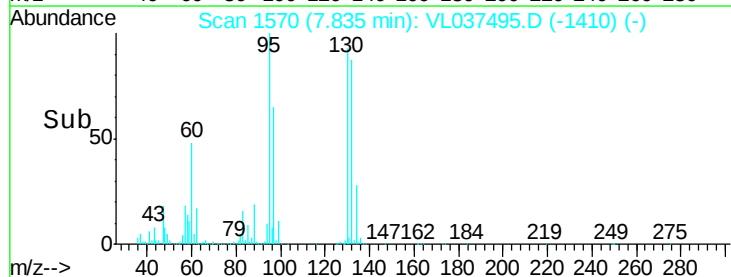
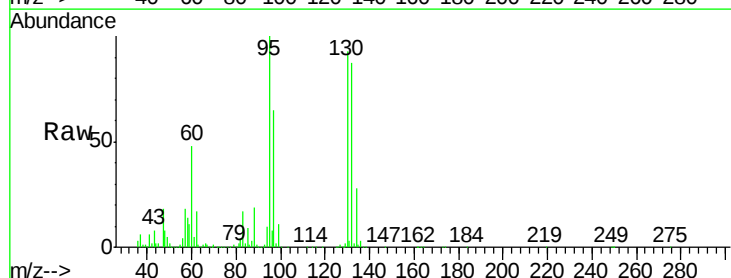
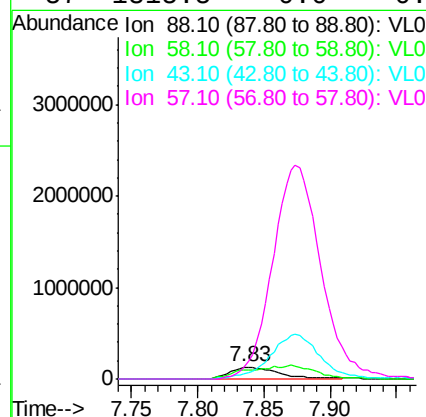
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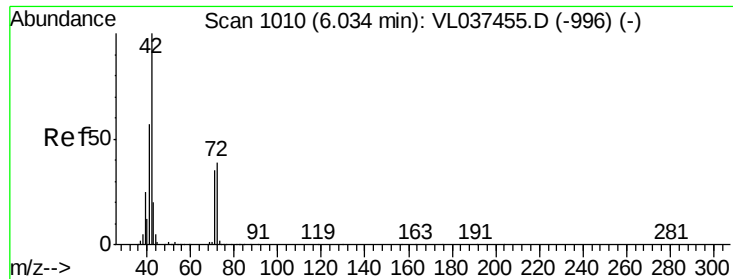
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#40
 1,4-Dioxane
 Concen: 9.515 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion	Ratio	Lower	Upper
88	100		
58	162.0	0.0	0.0#
43	394.0	0.0	0.0#
57	1815.5	0.0	0.0#





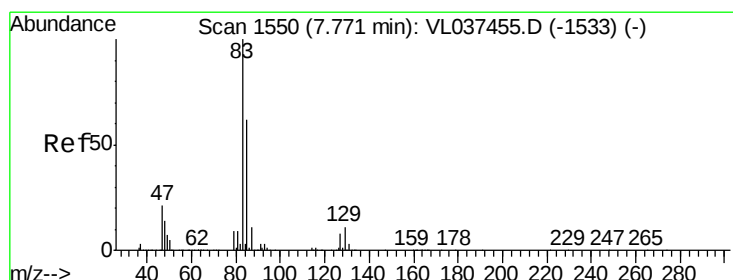
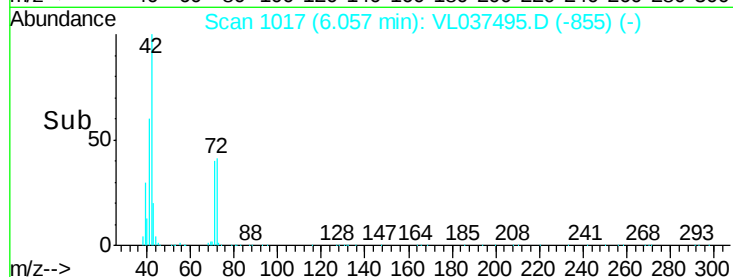
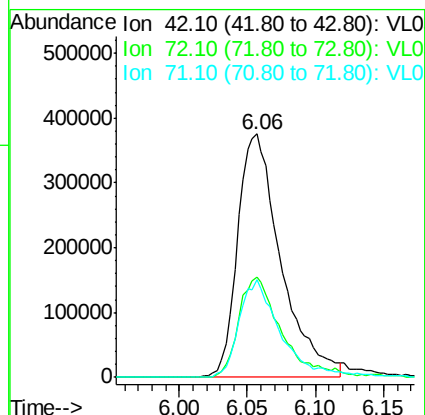
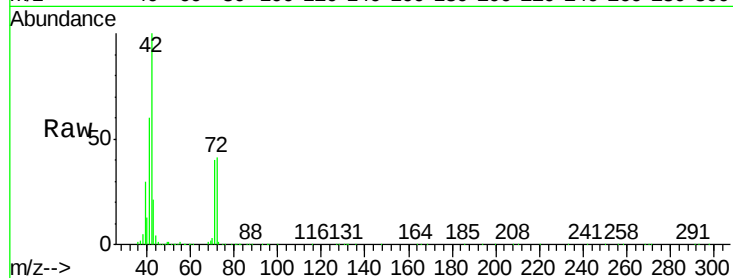
#41
Tetrahydrofuran
Concen: 9.548 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.2	48.4
71	39.2	30.5	45.7

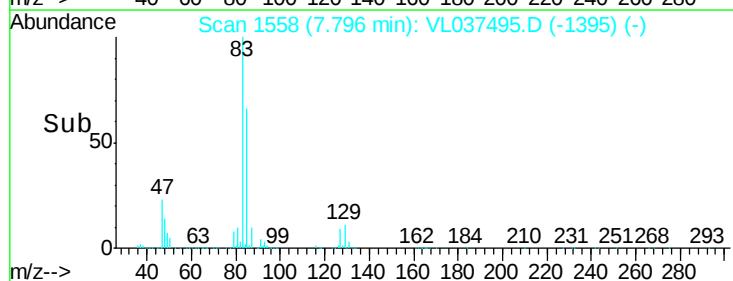
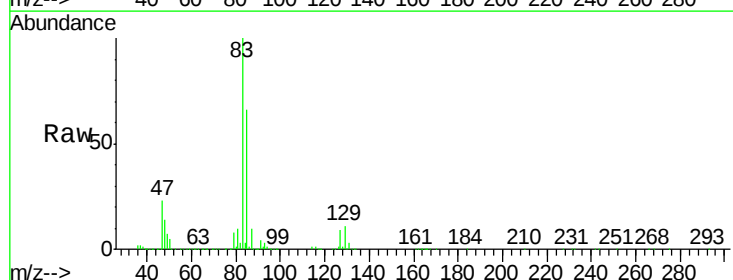
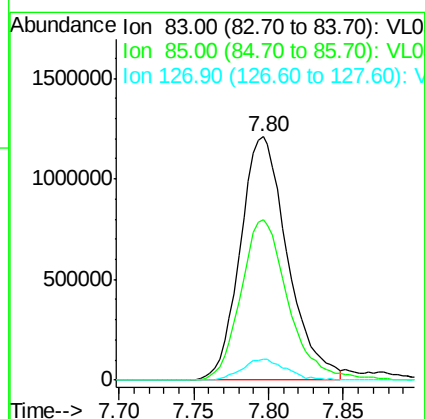
Manual Integrations
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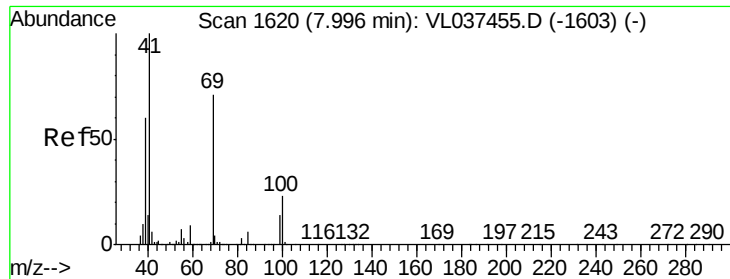
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#42
Bromodichloromethane
Concen: 9.918 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. 0.03 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	49.5	74.3
127	8.6	6.3	9.5





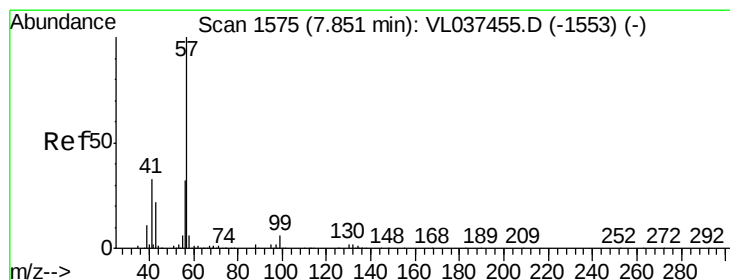
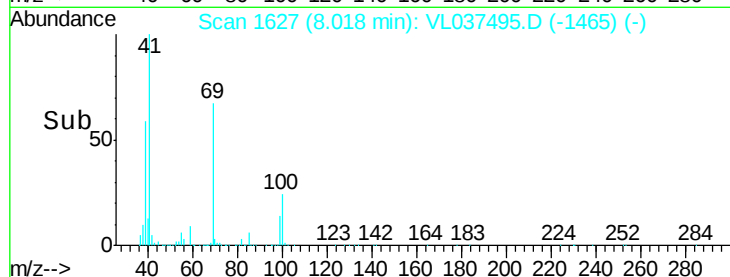
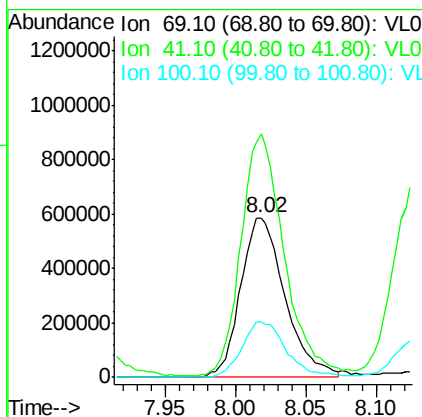
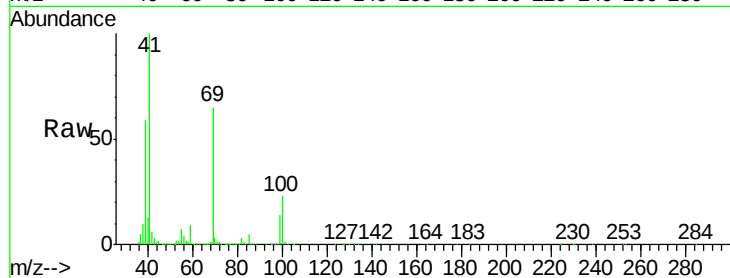
#43
Methvl Methacrilate
Concen: 10.006 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1288902
Ion Ratio Lower Upper
69 100
41 150.4 118.6 178.0
100 35.0 27.4 41.0

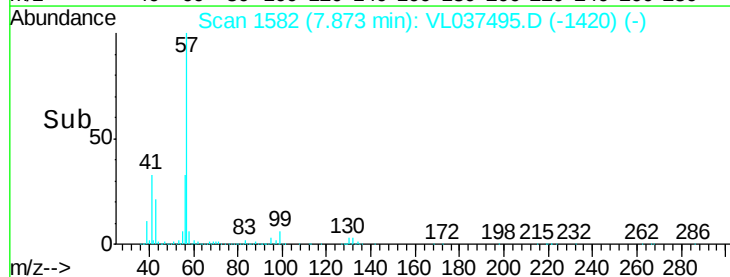
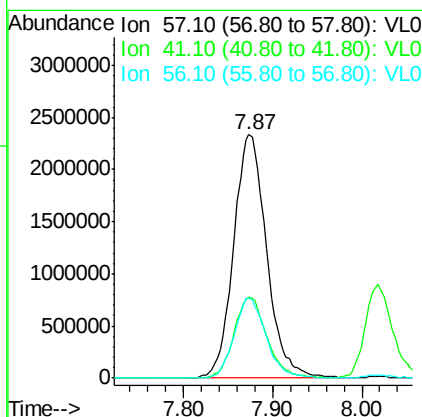
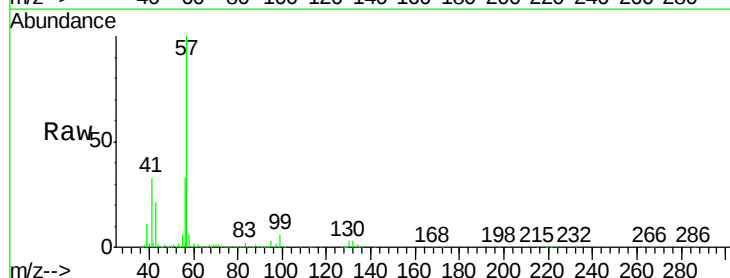
Manual Integrations
APPROVED

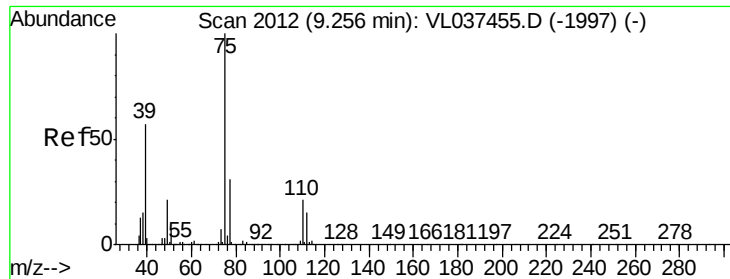
MMDadoda
8/20/2021 6:30:59 PM



#44
2,2,4-Trimethylpentane
Concen: 9.641 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 57 Resp: 5996700
Ion Ratio Lower Upper
57 100
41 33.1 26.2 39.4
56 31.9 25.4 38.2





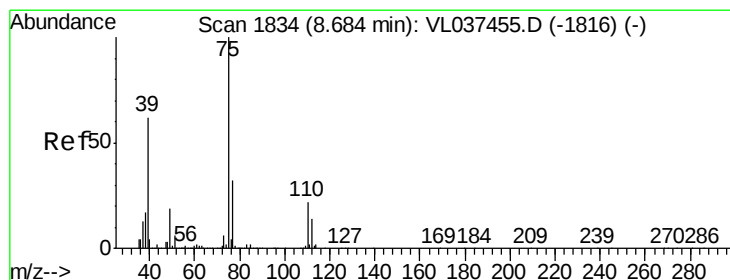
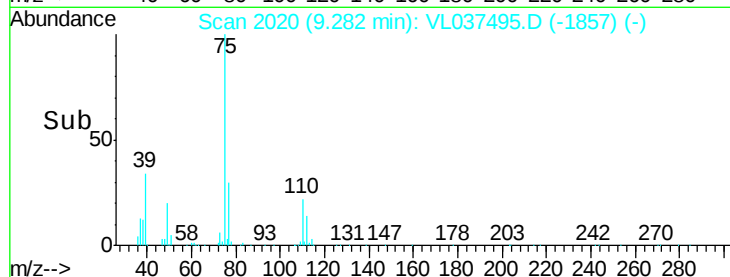
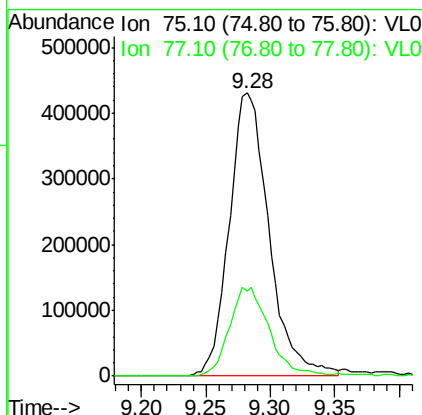
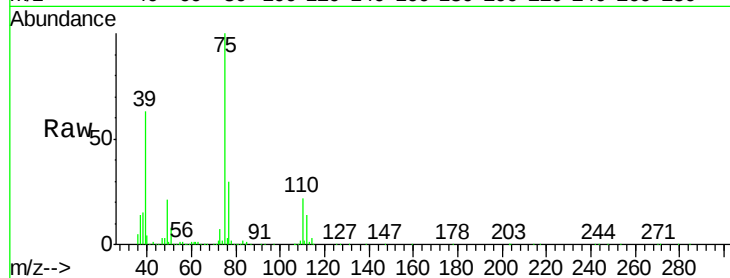
#45
t-1,3-Dichloropropene
Concen: 9.542 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. 0.03 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 925235
Ion Ratio Lower Upper
75 100
77 30.0 24.5 36.7

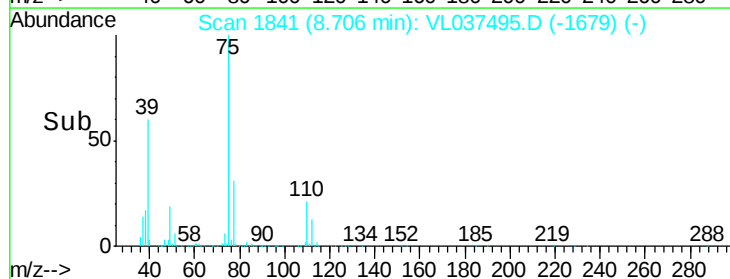
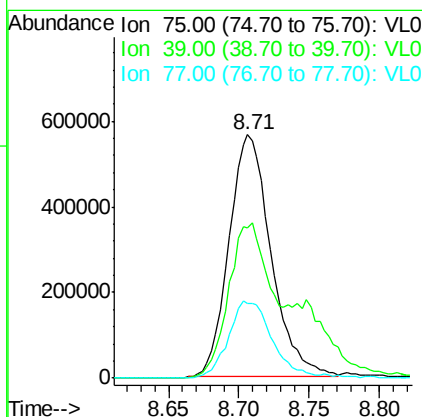
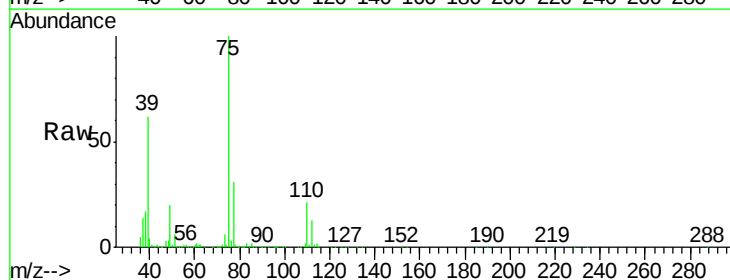
Manual Integrations
APPROVED

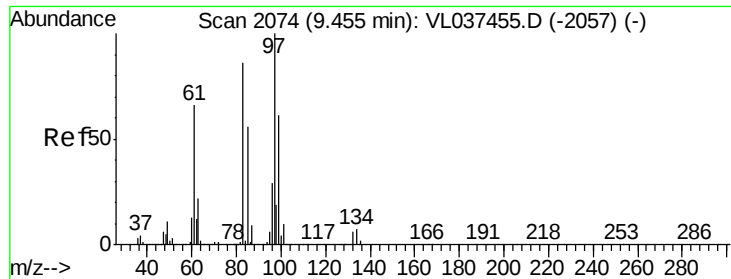
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 8.751 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 75 Resp: 1183700
Ion Ratio Lower Upper
75 100
39 61.7 49.7 74.5
77 30.8 25.4 38.0





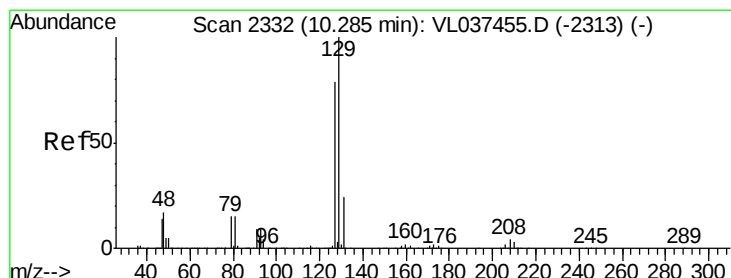
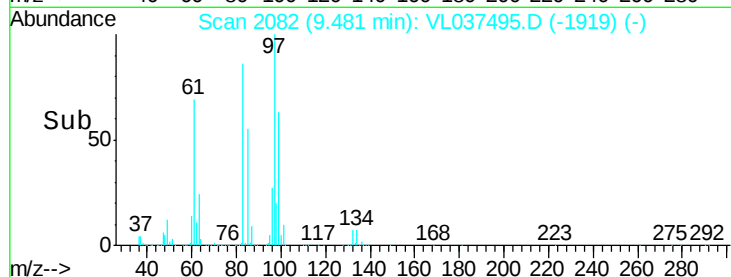
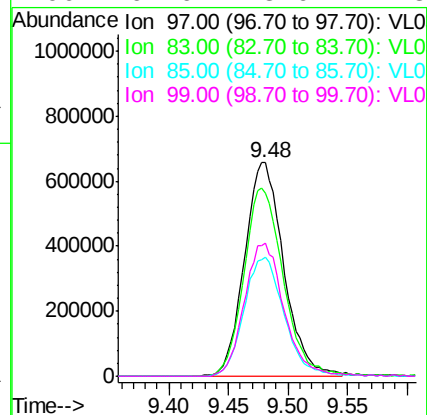
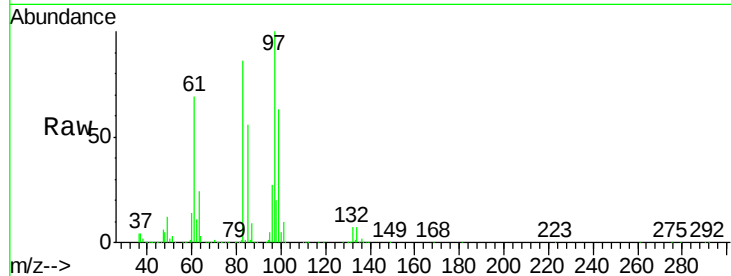
#47
 1,1,2-Trichloroethane
 Concen: 9.764 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. 0.03 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.7	68.7	103.1	
85	55.5	44.7	67.1	
99	62.6	48.6	72.8	

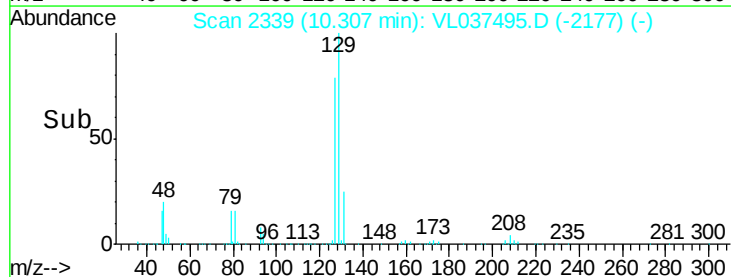
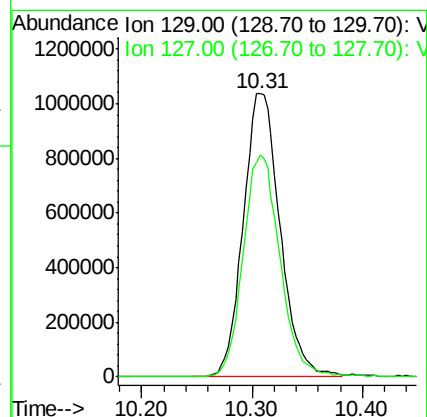
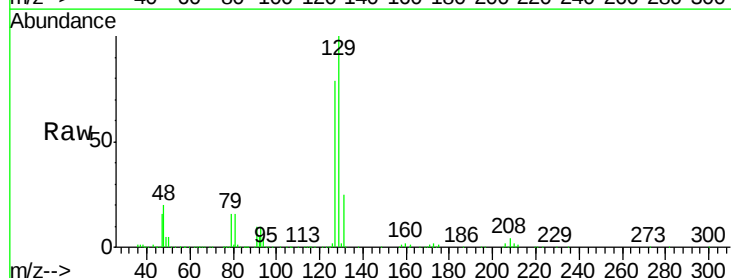
Manual Integrations
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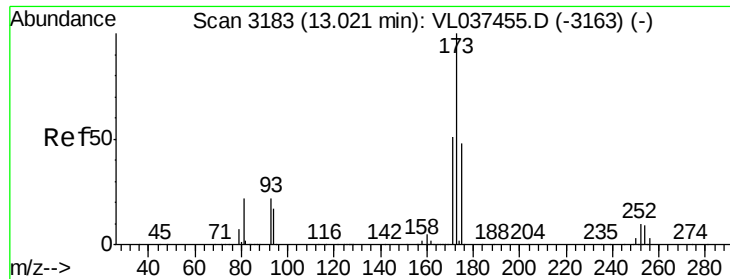
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#48
 Dibromochloromethane
 Concen: 10.886 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.5	40.0	120.0	





#49

Bromoform

Concen: 11.864 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 2065031

Ion Ratio Lower Upper

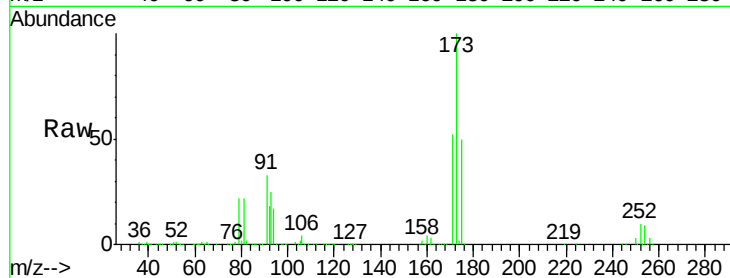
173 100

175 49.3 41.9 62.9

171 52.7 44.2 66.4

Manual Integrations
APPROVED

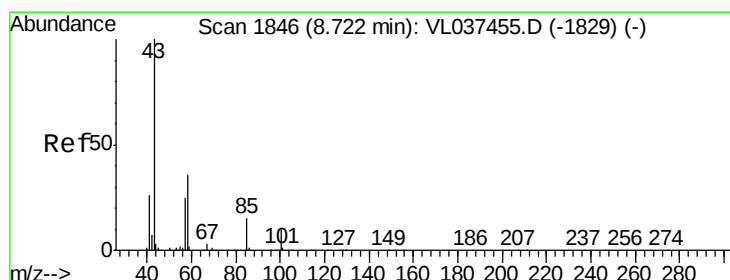
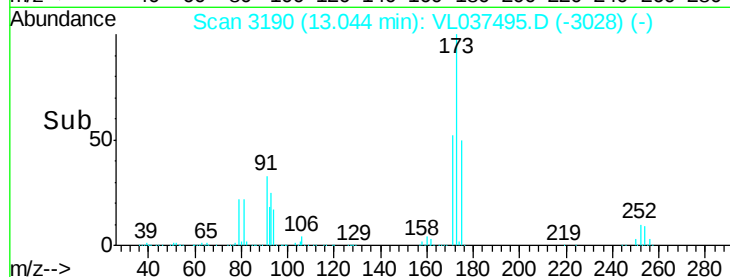
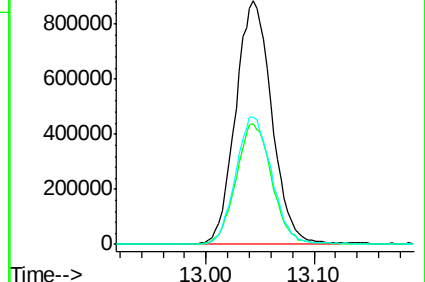
MMDadoda
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.159 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.02 min

Lab File: VL037495.D

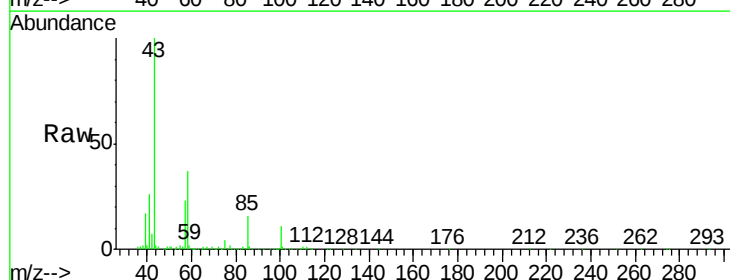
Acq: 19 Aug 2021 11:03

Tgt Ion: 43 Resp: 2379344

Ion Ratio Lower Upper

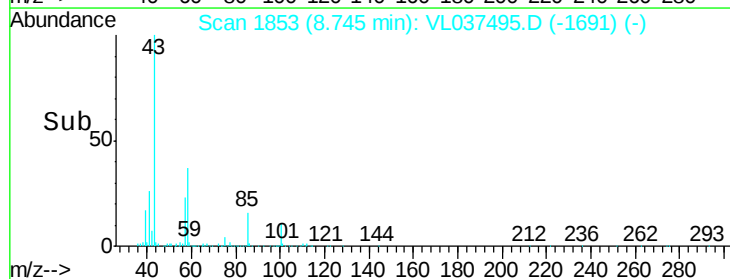
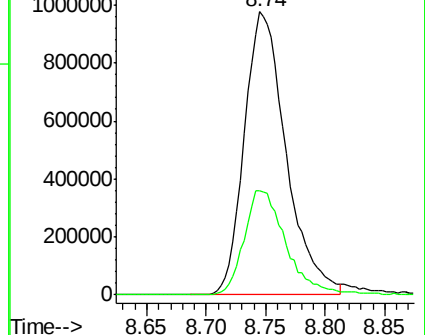
43 100

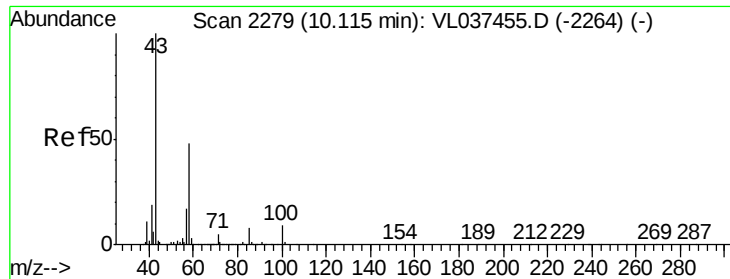
58 37.6 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





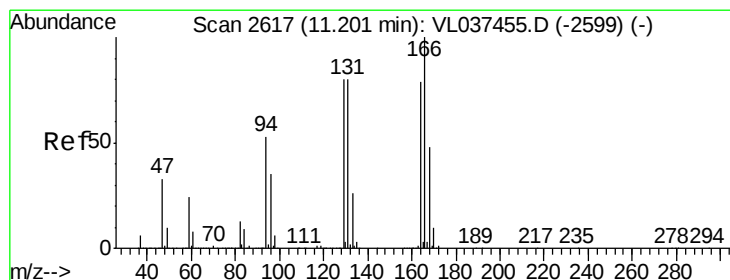
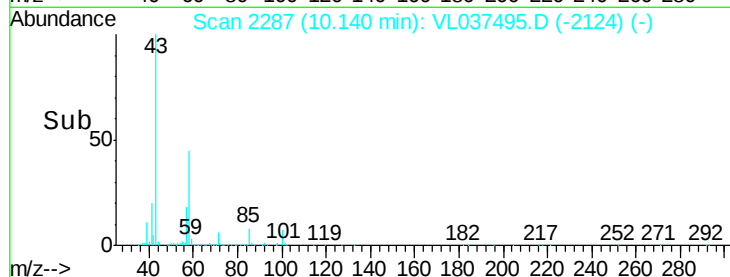
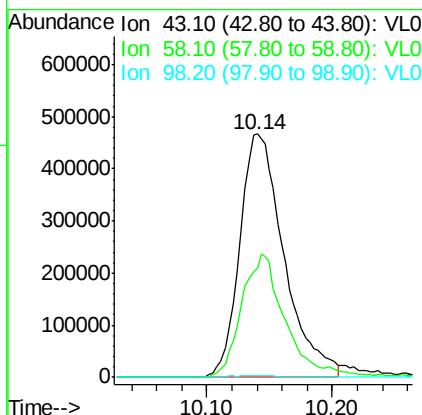
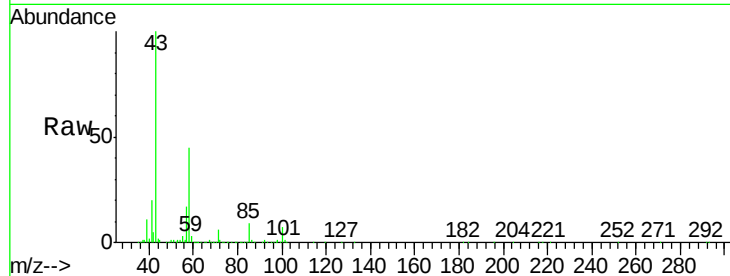
#51
2-Hexanone
Concen: 10.621 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.03 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1144166
Ion Ratio Lower Upper
43 100
58 50.9 41.0 61.6
98 0.6 0.3 0.5#

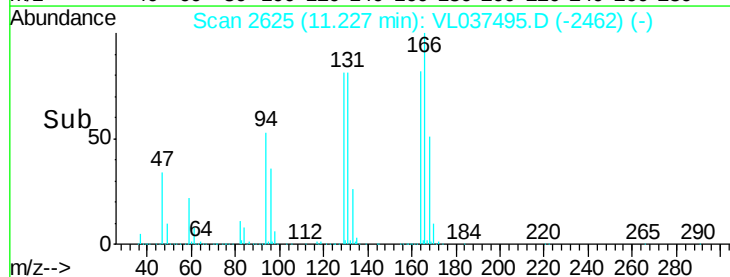
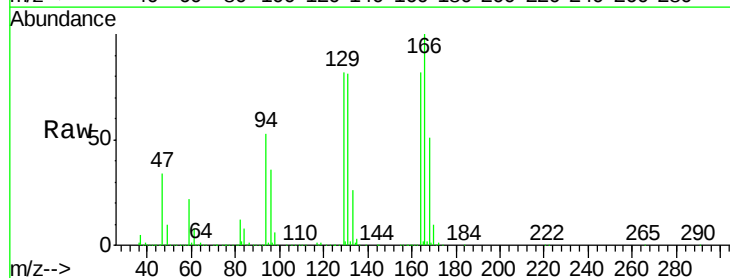
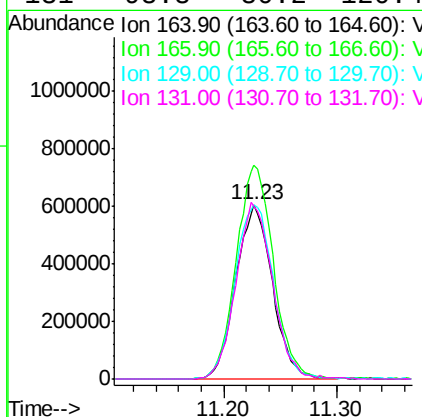
Manual Integrations
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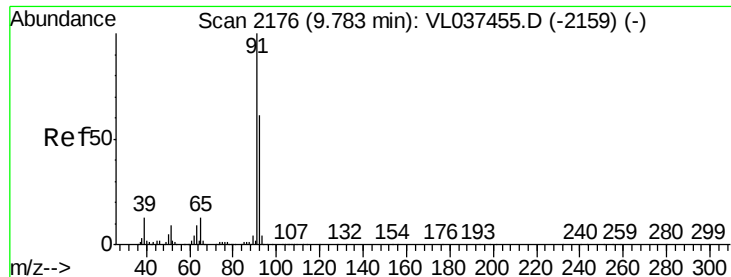
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#52
Tetrachloroethene
Concen: 9.002 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. 0.03 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 164 Resp: 1363245
Ion Ratio Lower Upper
164 100
166 122.4 100.7 151.1
129 99.8 80.9 121.3
131 98.8 80.2 120.4





#53

Toluene

Concen: 10.031 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.03 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4233156

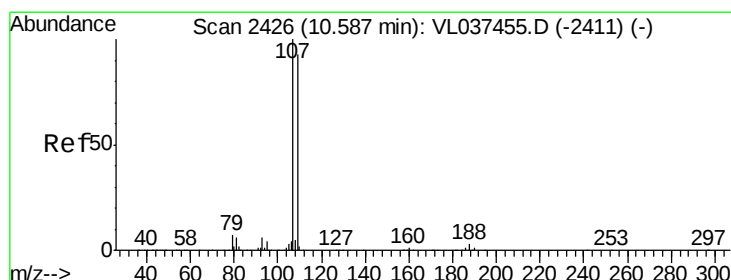
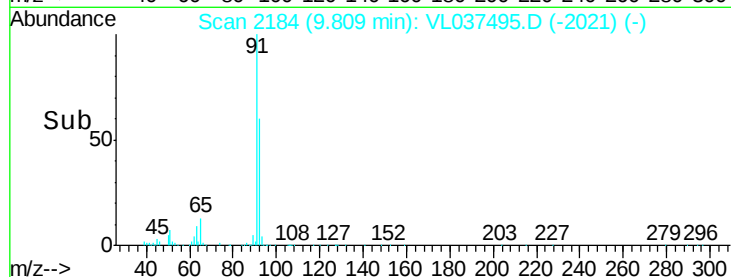
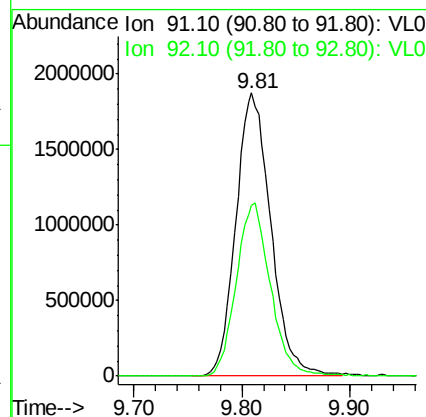
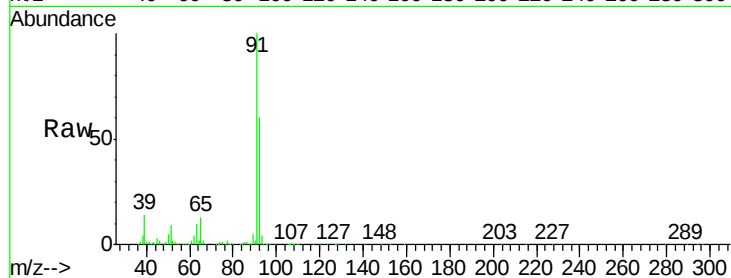
Ion Ratio Lower Upper

91 100

92 59.8 48.8 73.2

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.816 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.03 min

Lab File: VL037495.D

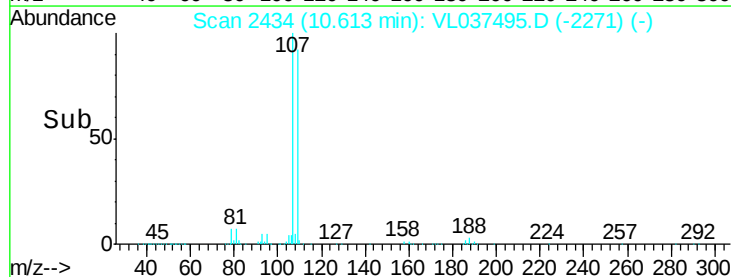
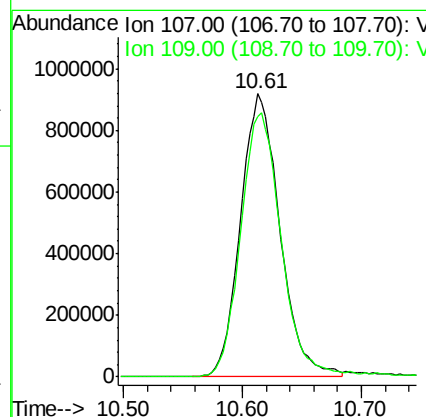
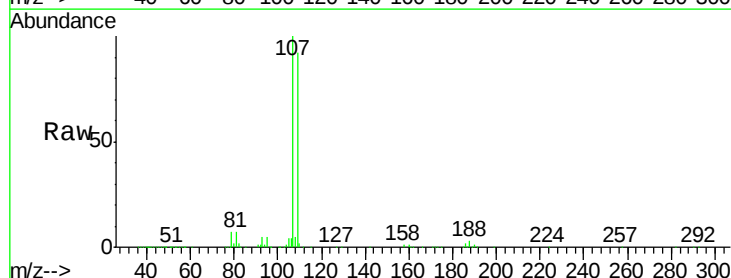
Acq: 19 Aug 2021 11:03

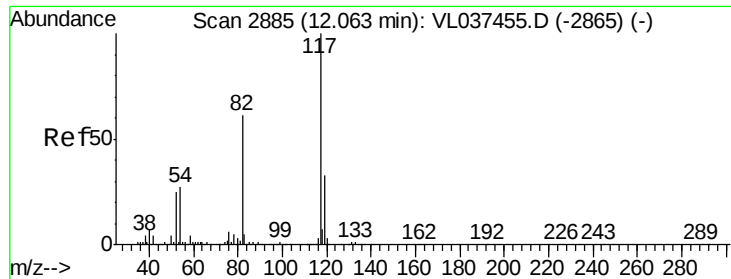
Tgt Ion: 107 Resp: 2102781

Ion Ratio Lower Upper

107 100

109 92.1 74.2 111.4





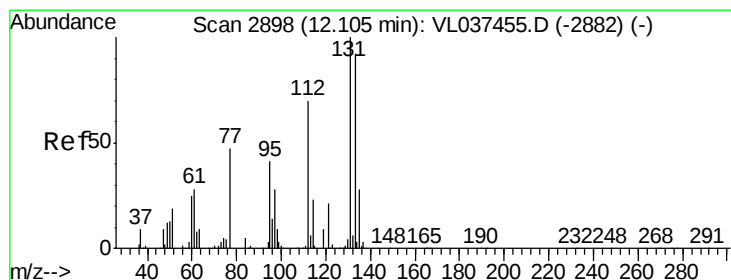
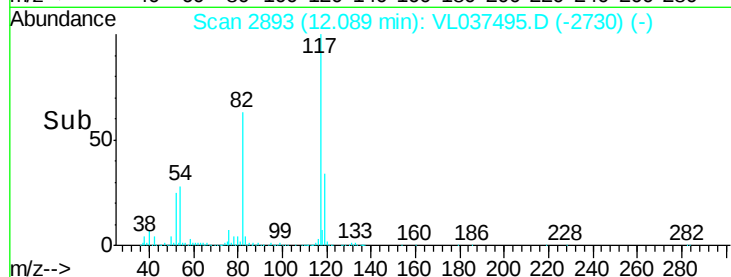
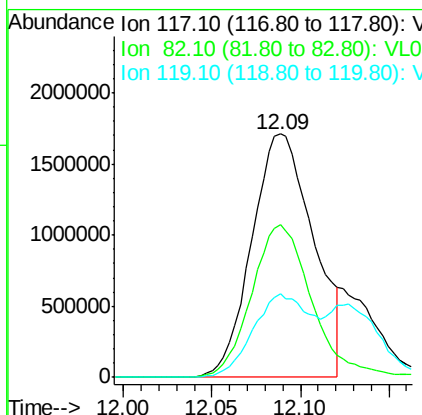
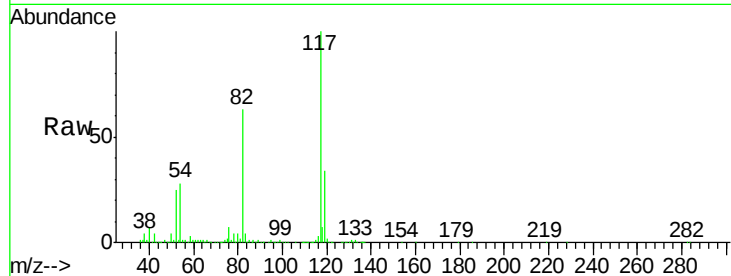
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2893
Delta R.T. 0.03 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 4164771
Ion Ratio Lower Upper
117 100
82 61.9 52.9 79.3
119 34.2 24.8 37.2

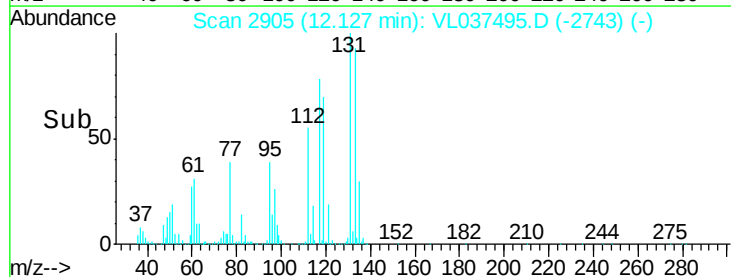
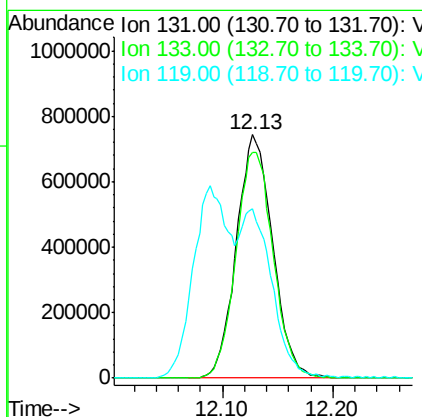
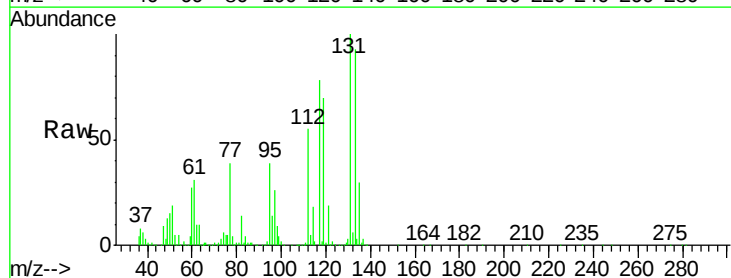
Manual Integrations
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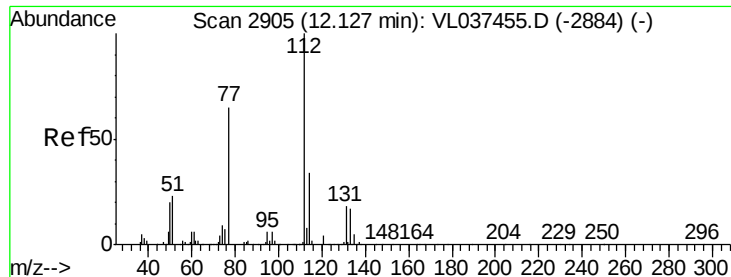
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.749 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion:131 Resp: 1691907
Ion Ratio Lower Upper
131 100
133 95.9 78.7 118.1
119 62.4 56.6 85.0





#57

Chlorobenzene

Concen: 9.220 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 3186789

Ion Ratio Lower Upper

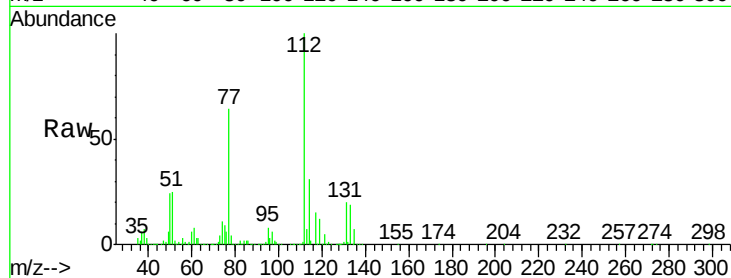
112 100

77 63.1 51.6 77.4

114 31.3 30.7 37.5

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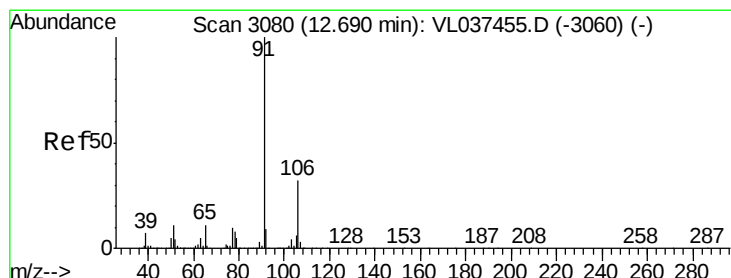
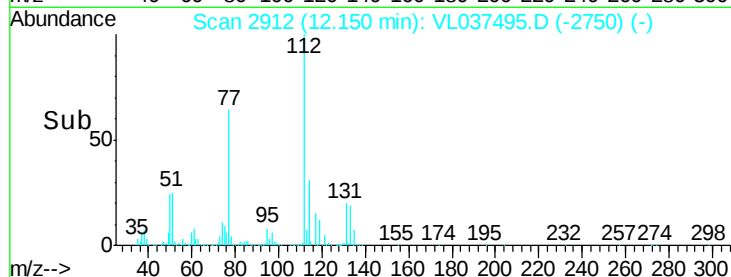
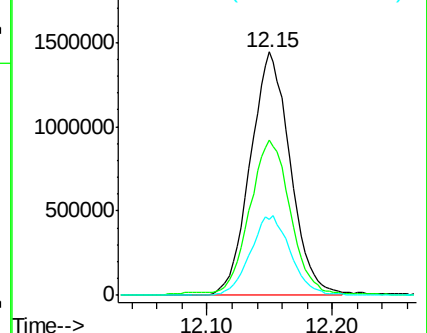
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.641 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. 0.02 min

Lab File: VL037495.D

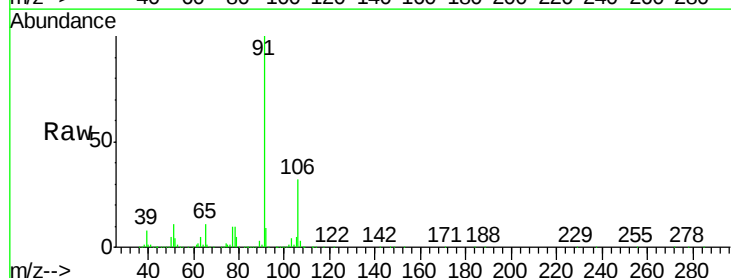
Acq: 19 Aug 2021 11:03

Tgt Ion: 91 Resp: 5572351

Ion Ratio Lower Upper

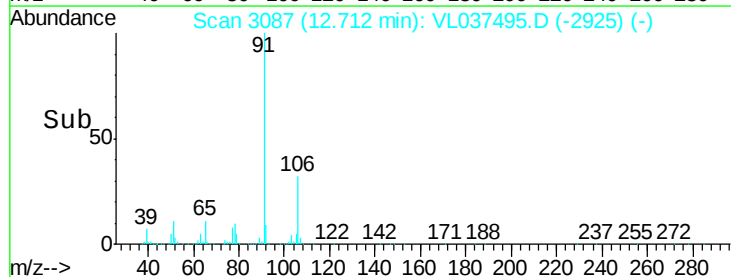
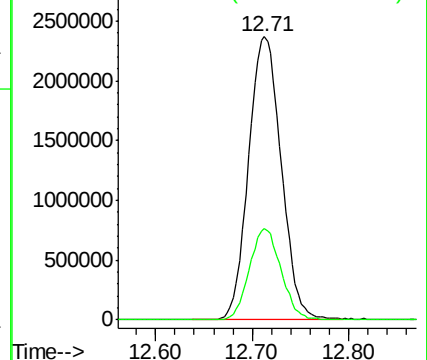
91 100

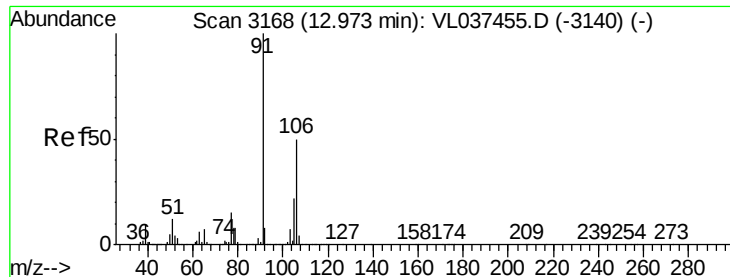
106 32.4 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





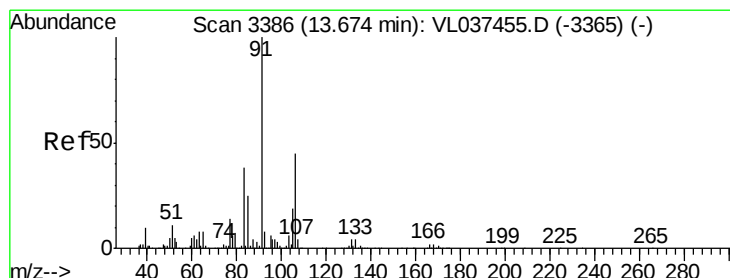
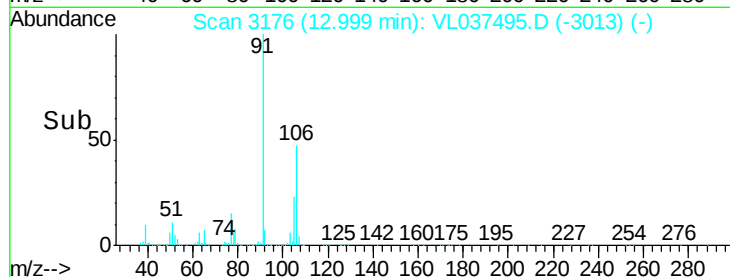
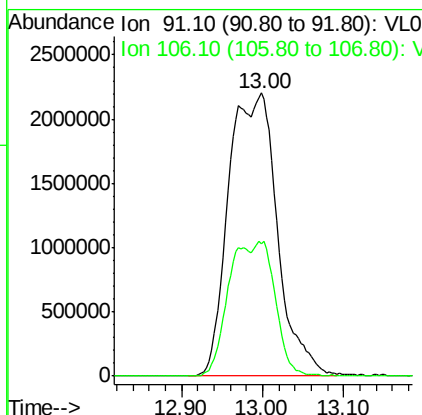
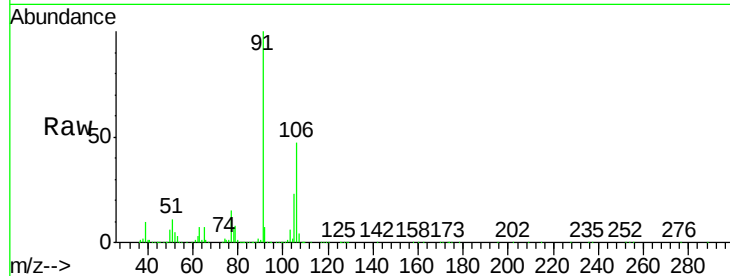
#59
m/p-Xylene
Concen: 18.536 ppbv m
RT: 13.00 min Scan# 3176
Delta R.T. 0.03 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 9287517
Ion Ratio Lower Upper
91 100
106 45.1 36.9 55.3

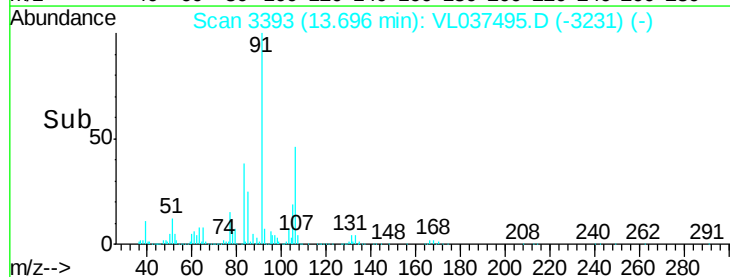
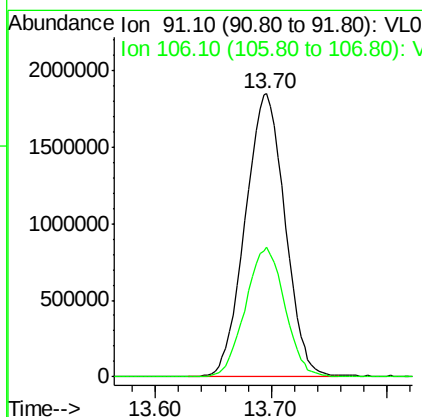
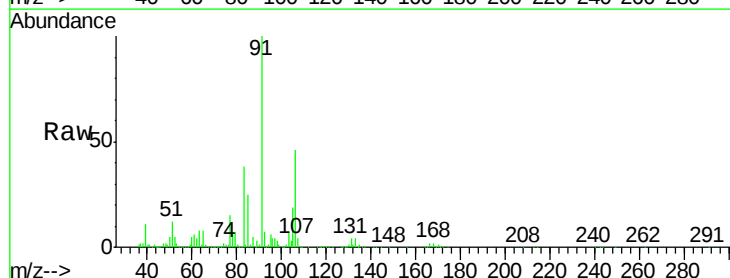
Manual Integrations
APPROVED

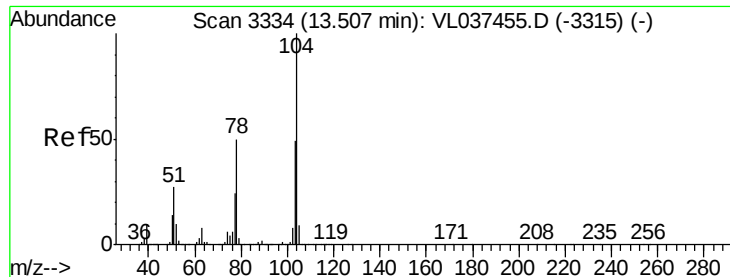
MMDadoda
8/20/2021 6:30:59 PM



#60
o-Xylene
Concen: 9.420 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion: 91 Resp: 4405461
Ion Ratio Lower Upper
91 100
106 45.3 23.7 71.1





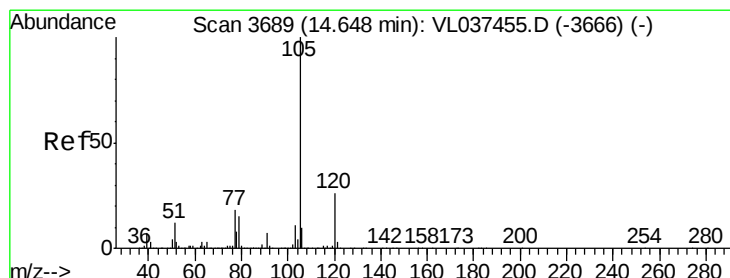
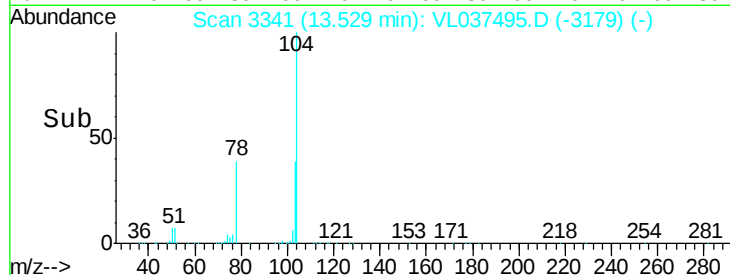
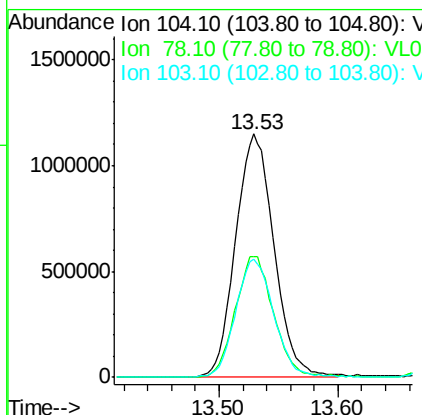
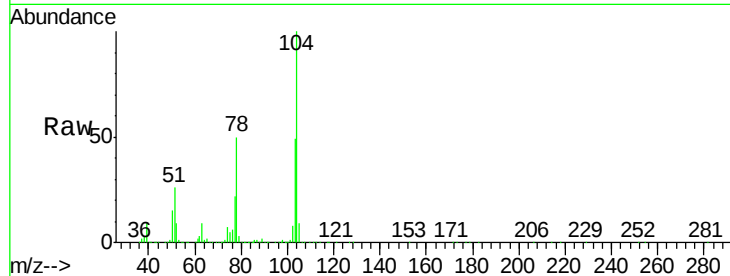
#61
Stvrene
Concen: 10.595 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.8	41.3	61.9
103	48.4	39.4	59.0

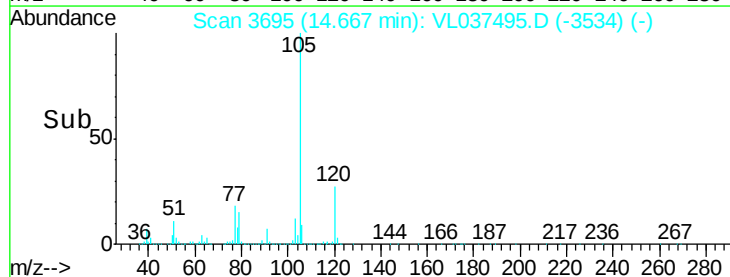
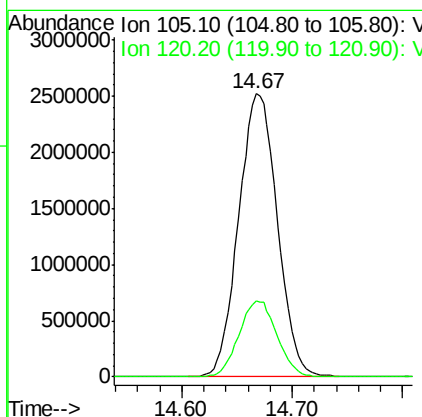
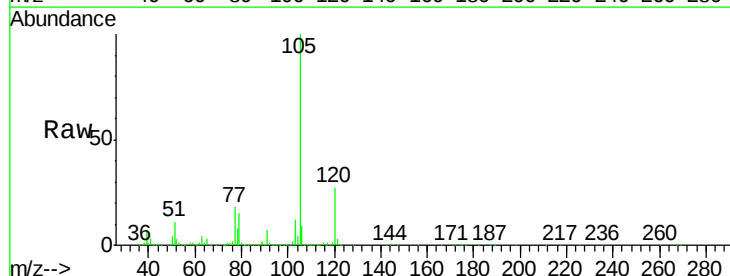
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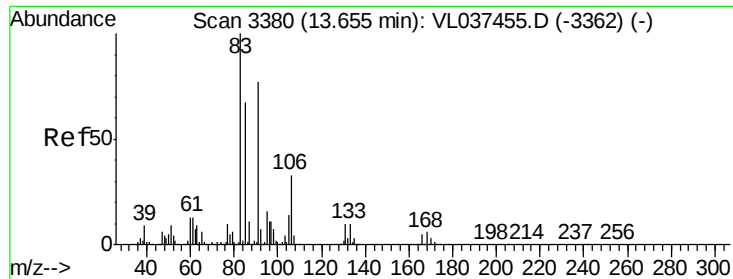
MMDadoda
8/20/2021 6:30:59 PM



#62
Isopropylbenzene
Concen: 9.291 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.5	32.3





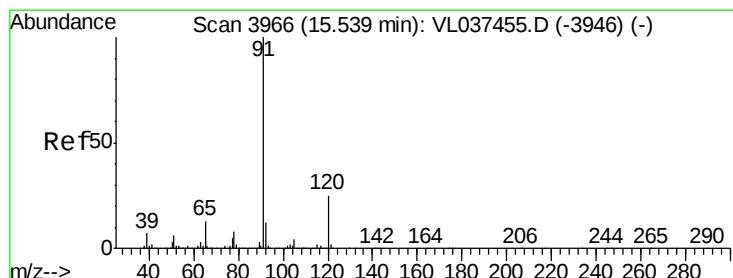
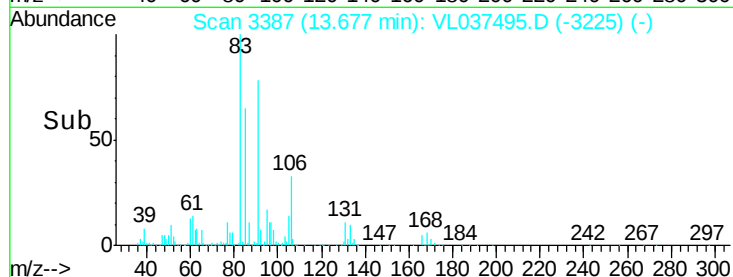
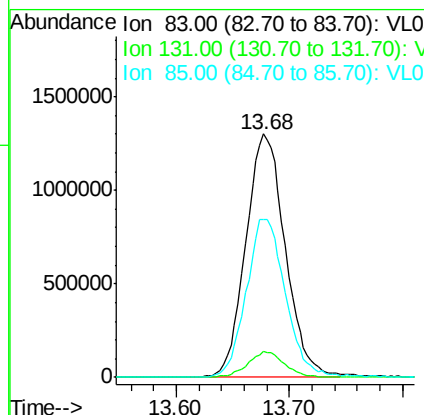
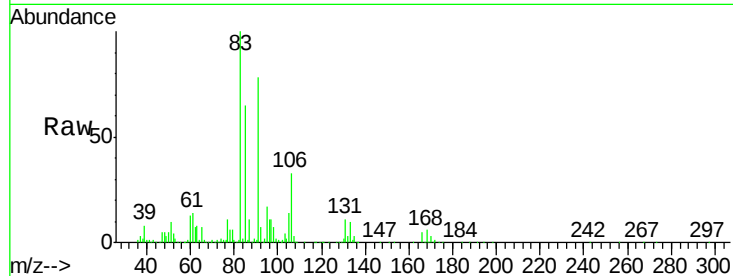
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.024 ppbv
 RT: 13.68 min Scan# 3387
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 3136575
 Ion Ratio Lower Upper
 83 100
 131 10.1 5.0 15.0
 85 65.6 33.8 101.3

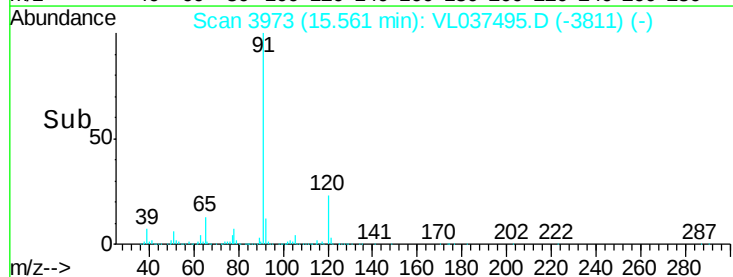
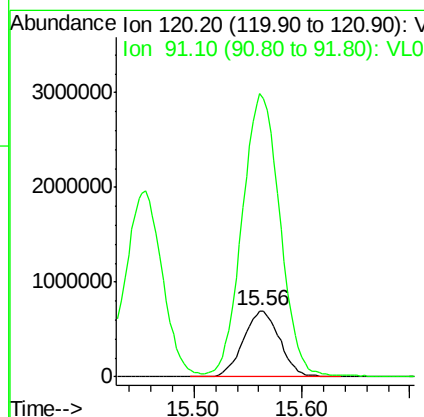
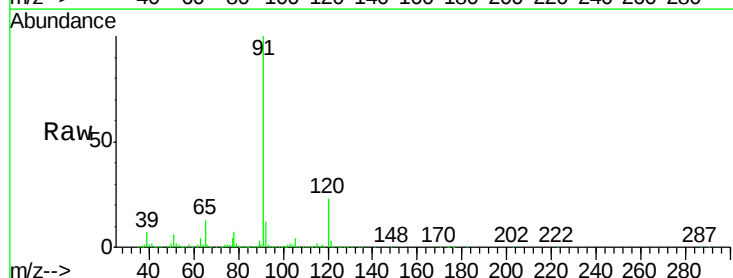
Manual Integrations
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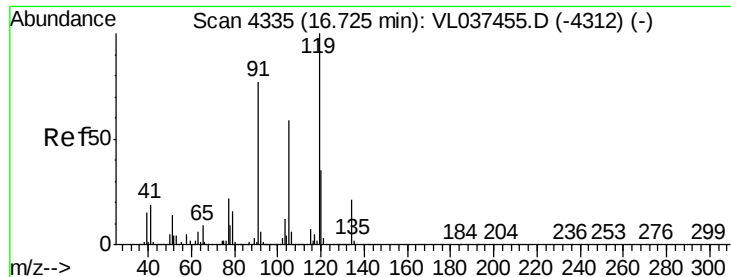
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#64
 n-propylbenzene
 Concen: 9.758 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion: 120 Resp: 1639011
 Ion Ratio Lower Upper
 120 100
 91 447.2 373.8 560.6





#65

tert-Butylbenzene

Concen: 9.035 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 5430973

Ion Ratio Lower Upper

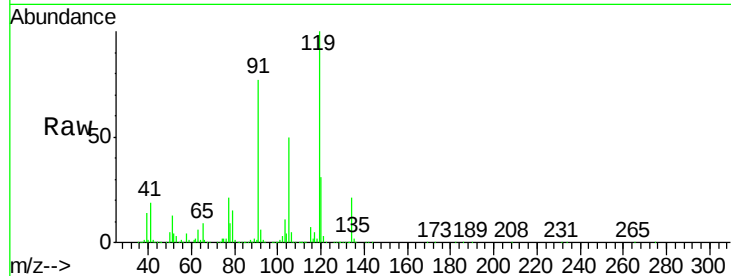
119 100

91 77.5 62.9 94.3

134 20.5 16.4 24.6

Manual Integrations
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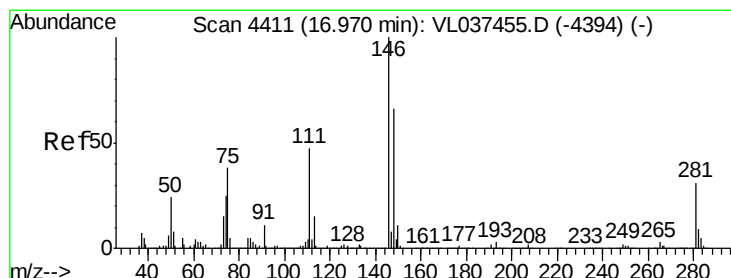
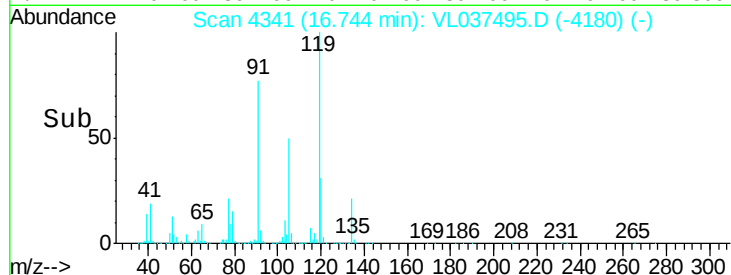
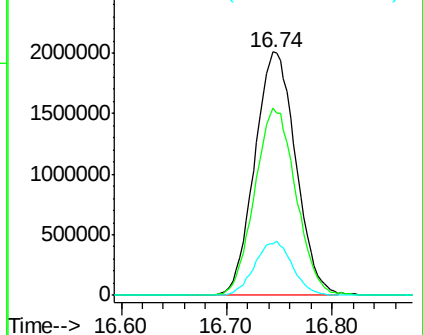
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.991 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

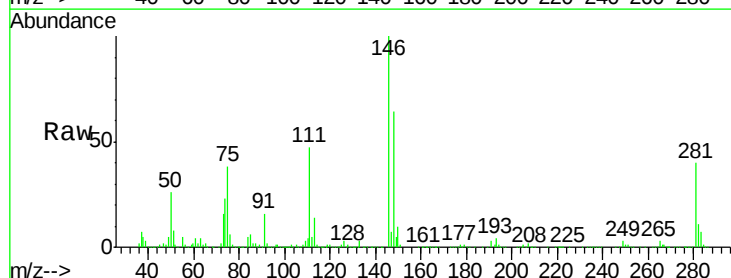
Tgt Ion: 91 Resp: 326038

Ion Ratio Lower Upper

91 100

126 18.9 15.9 23.9

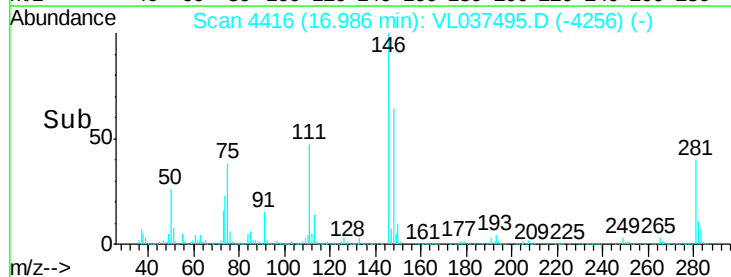
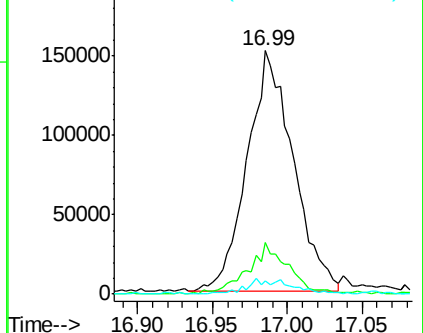
128 6.2 5.4 8.0

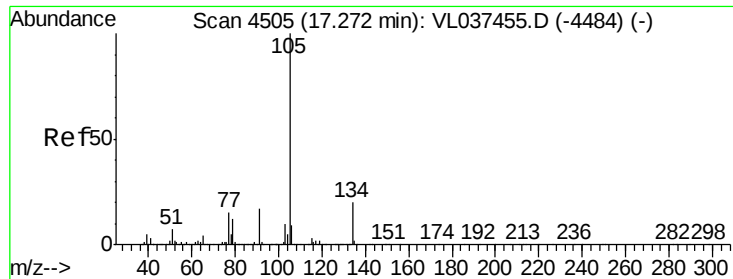


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.963 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 7527532

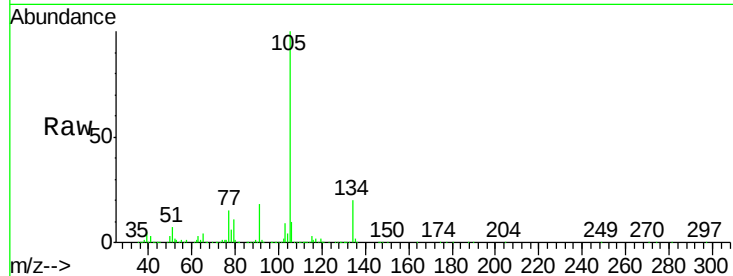
Ion Ratio Lower Upper

105 100

134 19.2 15.2 22.8

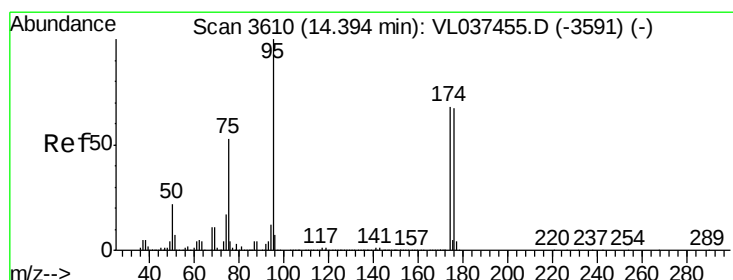
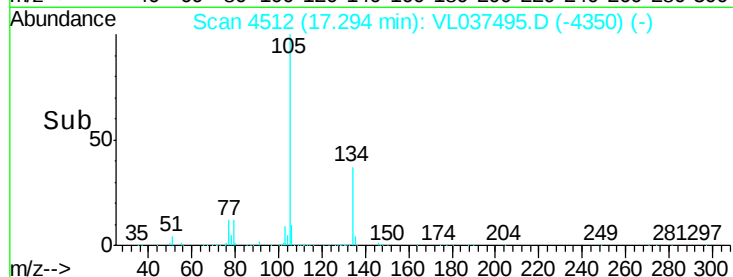
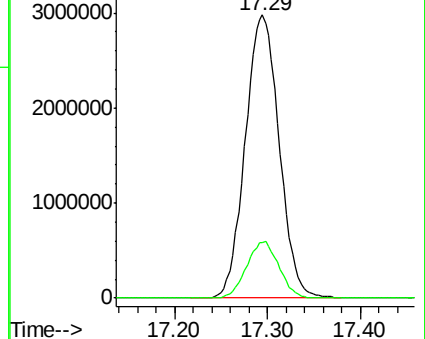
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.412 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.03 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

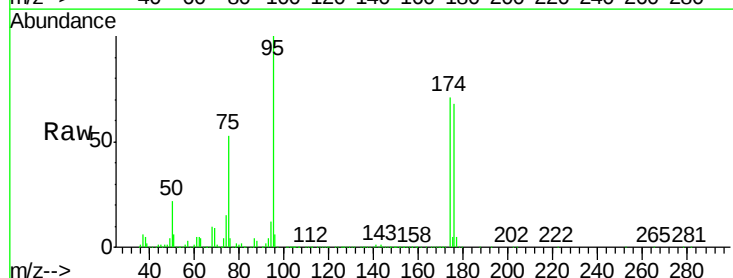
Tgt Ion: 95 Resp: 3080644

Ion Ratio Lower Upper

95 100

174 69.7 59.6 89.4

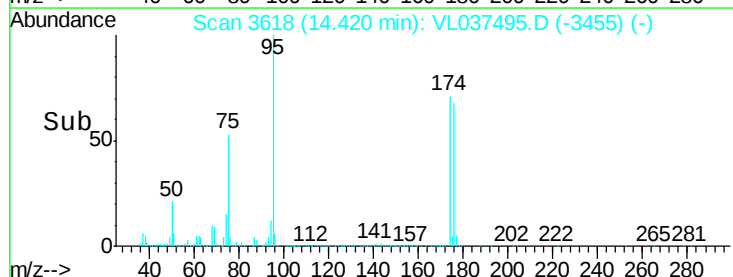
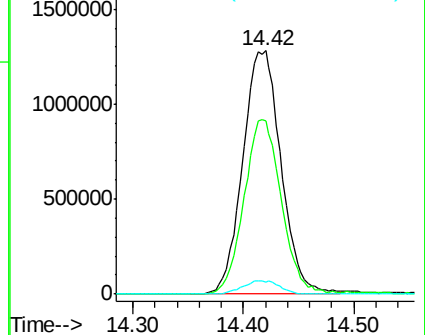
175 5.3 4.6 7.0

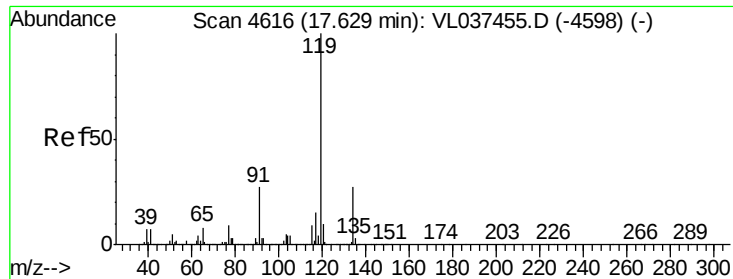


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





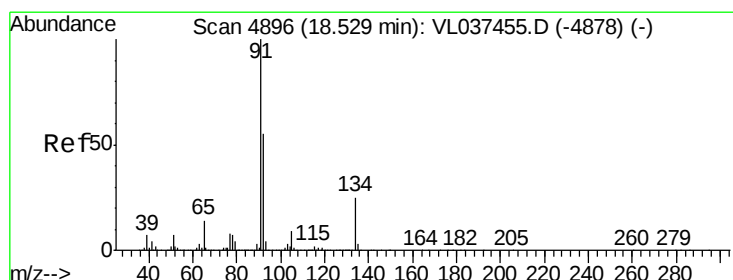
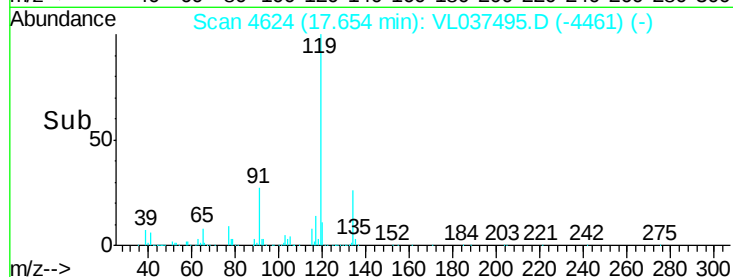
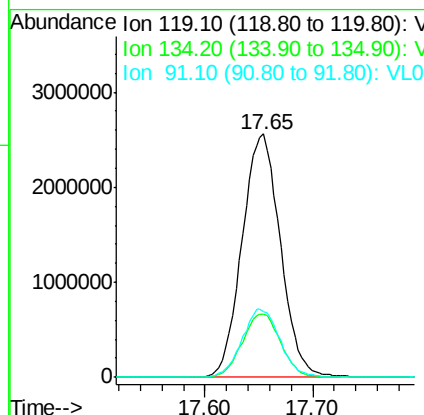
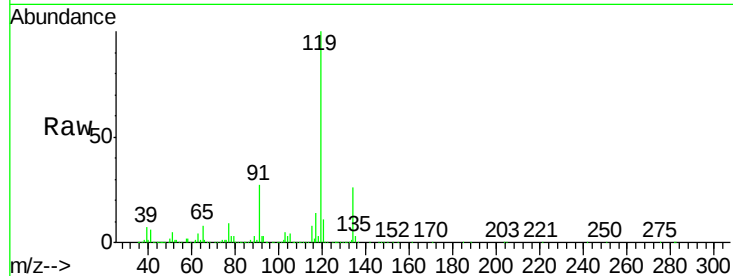
#69
 p-Isopropyltoluene
 Concen: 9.214 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. 0.03 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.1	31.7
91	28.0	22.4	33.6

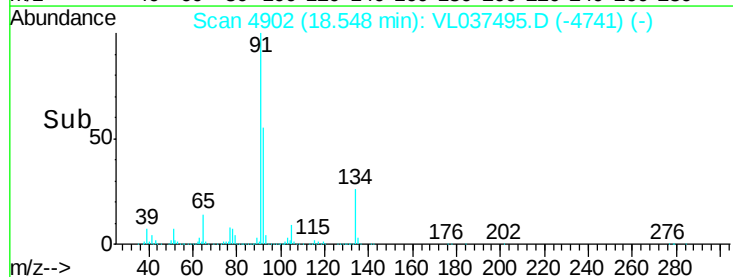
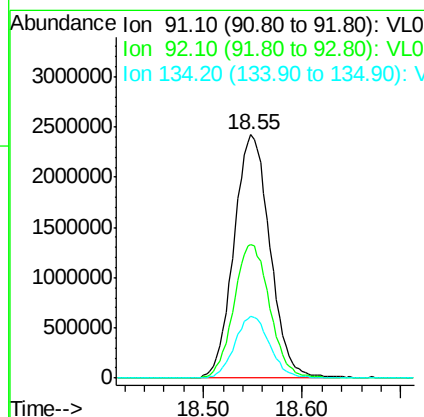
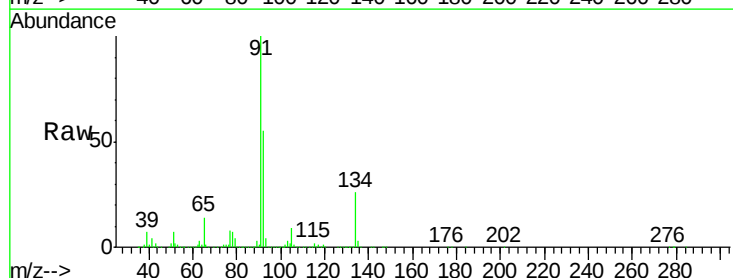
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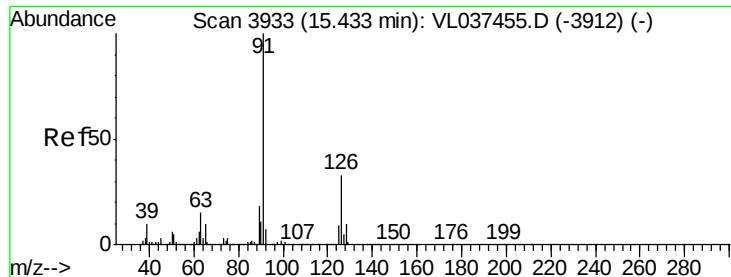
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#70
 n-Butylbenzene
 Concen: 9.396 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.0	66.0
134	24.8	19.5	29.3





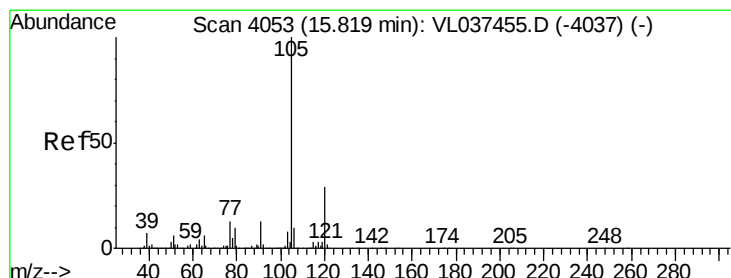
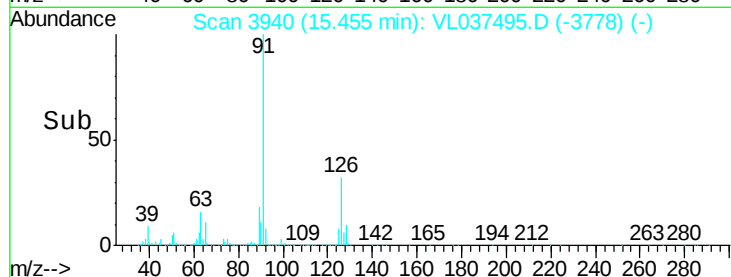
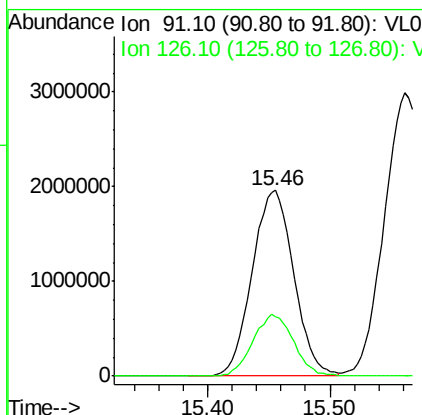
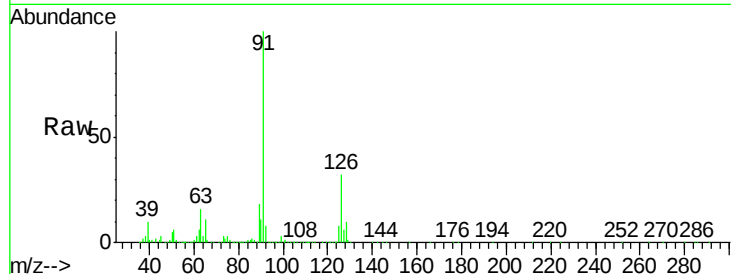
#71
 2-Chlorotoluene
 Concen: 9.568 ppbv
 RT: 15.46 min Scan# 3940
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 4630696
 Ion Ratio Lower Upper
 91 100
 126 32.5 13.6 54.4

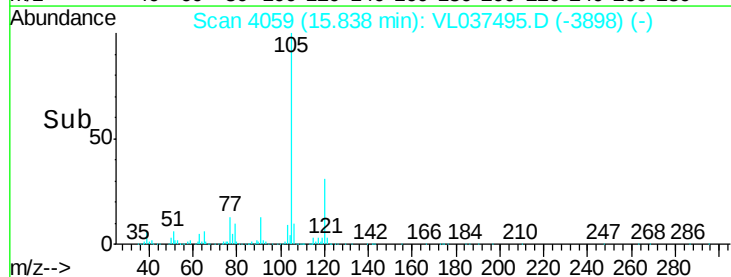
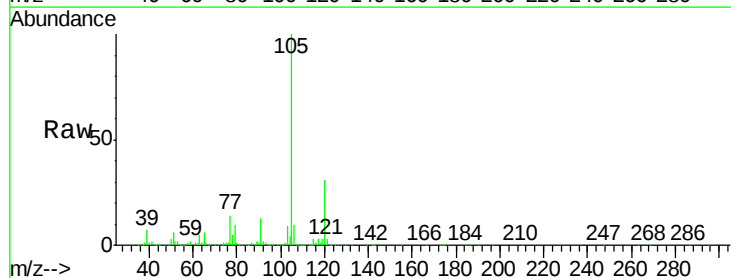
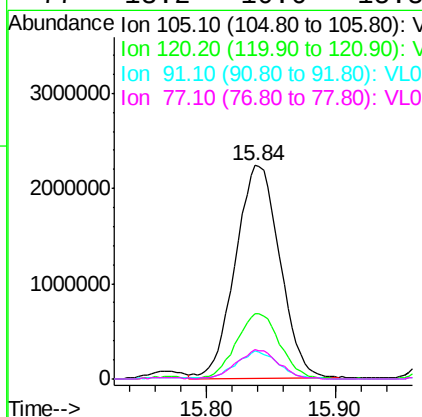
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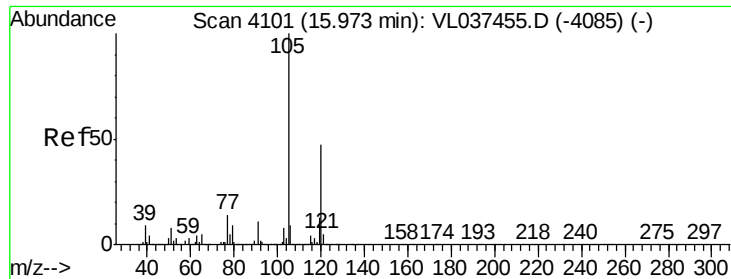
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#72
 4-Ethyltoluene
 Concen: 9.586 ppbv
 RT: 15.84 min Scan# 4059
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion: 105 Resp: 5332209
 Ion Ratio Lower Upper
 105 100
 120 30.5 24.7 37.1
 91 12.3 9.8 14.8
 77 13.2 10.6 15.8





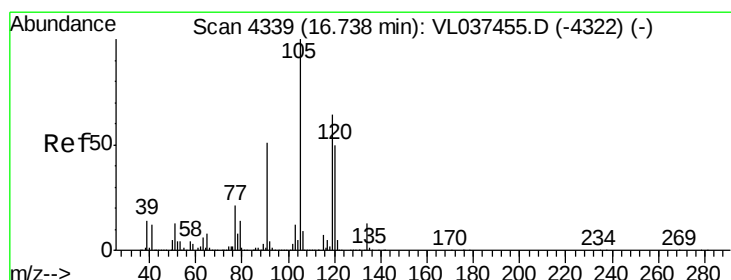
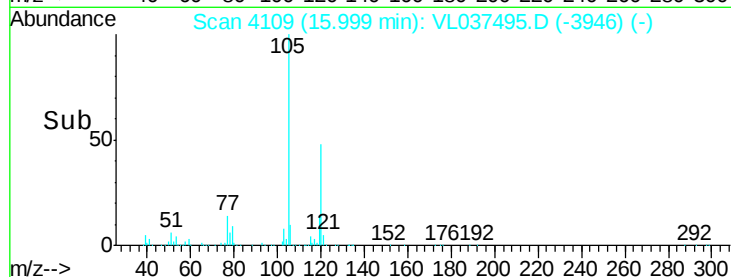
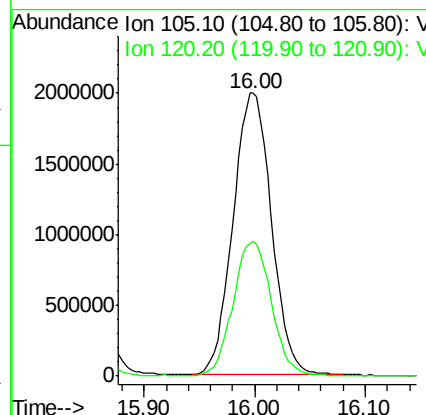
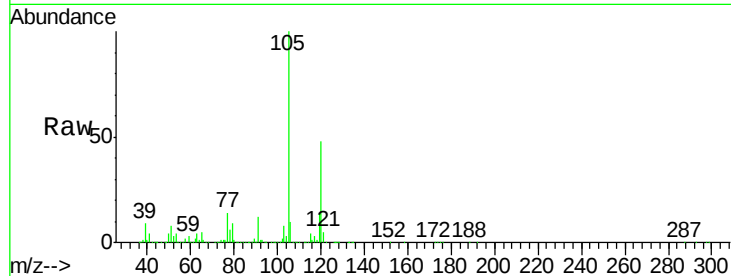
#73
 1,3,5-Trimethylbenzene
 Concen: 9.284 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. 0.03 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 4807199
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.6 56.4

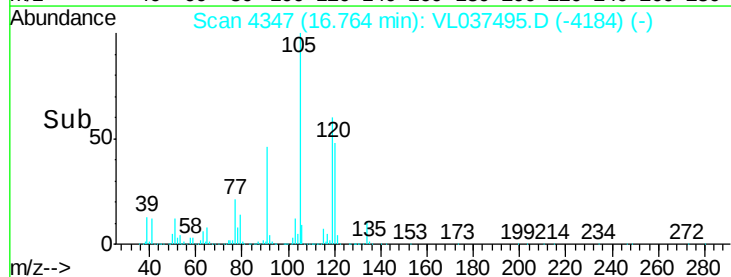
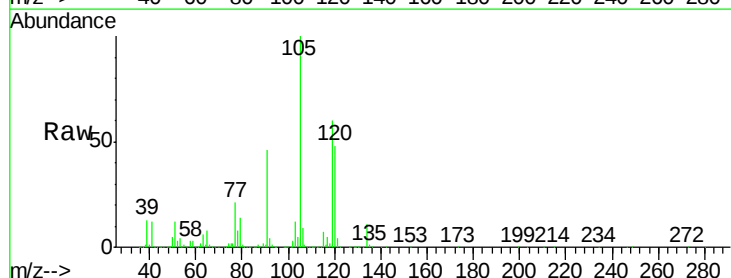
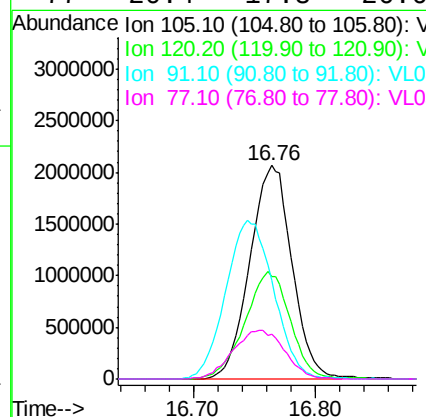
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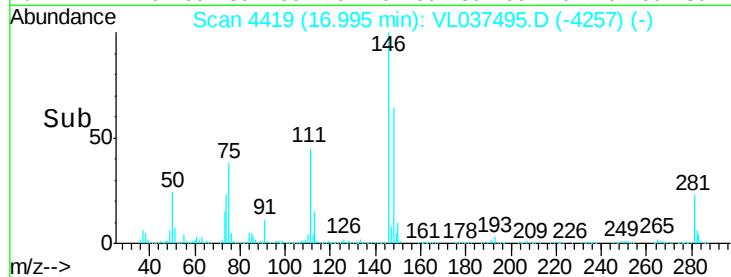
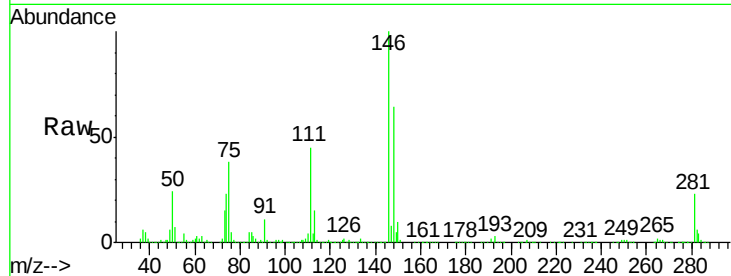
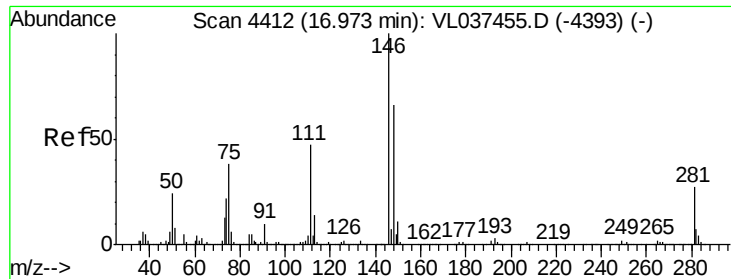
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.937 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. 0.03 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion:105 Resp: 4917324
 Ion Ratio Lower Upper
 105 100
 120 47.7 40.4 60.6
 91 46.0 44.6 67.0
 77 20.4 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 9.096 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	23.4	70.0
148	64.7	33.1	99.5

Instrument :

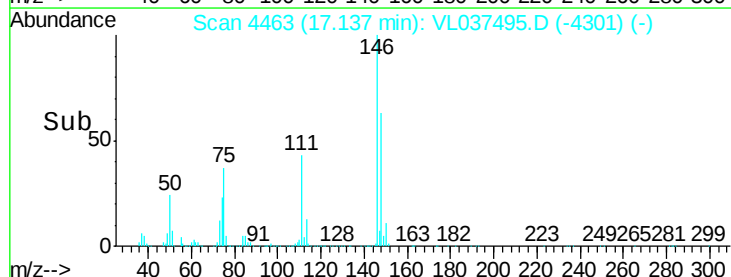
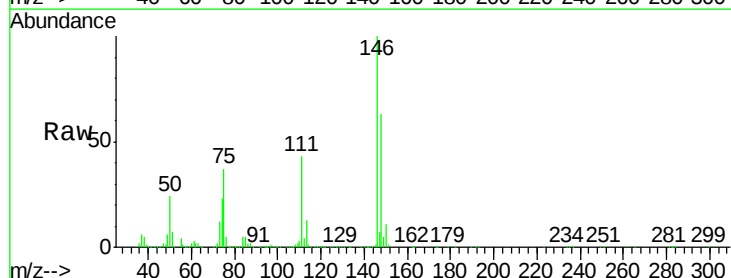
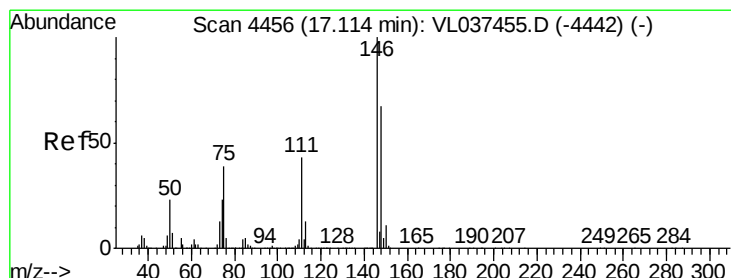
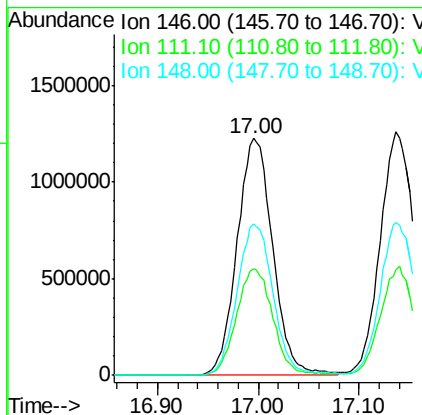
MSVOA_L

ClientSampleId :

VSTDCCC010

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 8.711 ppbv

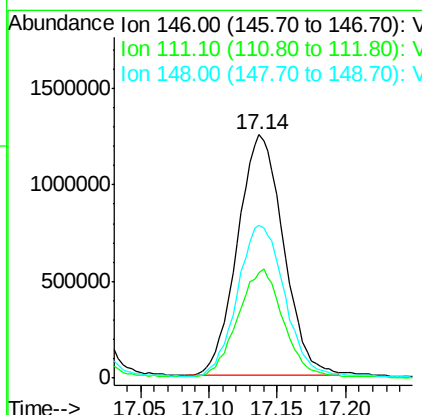
RT: 17.14 min Scan# 4463

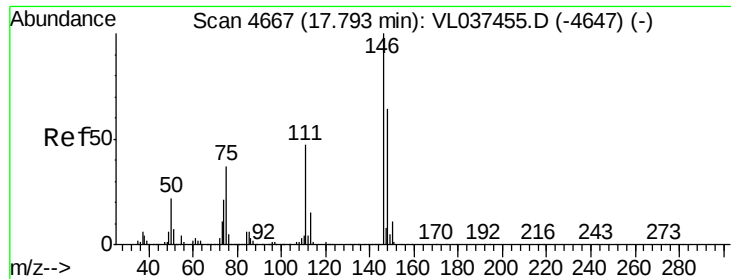
Delta R.T. 0.02 min

Lab File: VL037495.D

Acq: 19 Aug 2021 11:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.1	66.5
148	67.2	32.4	97.0





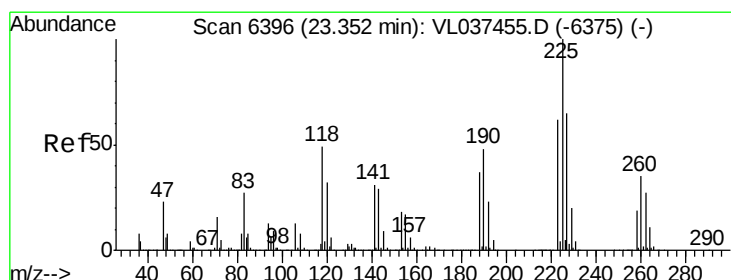
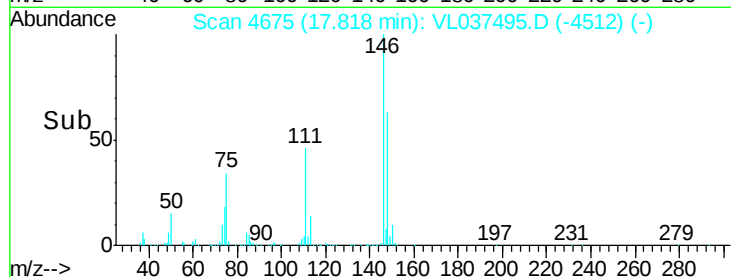
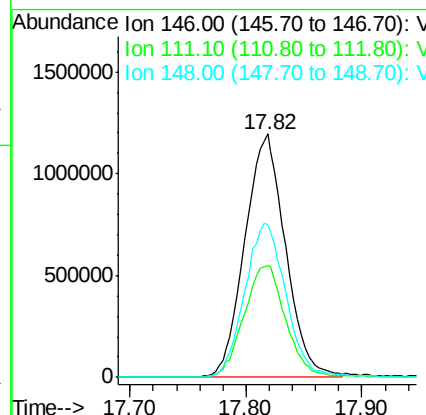
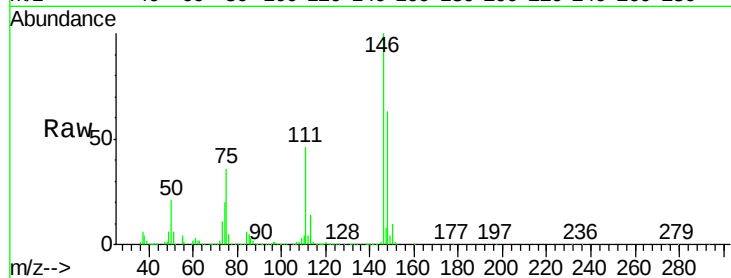
#77
 1,2-Dichlorobenzene
 Concen: 8.874 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. 0.03 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 2893887
 Ion Ratio Lower Upper
 146 100
 111 47.9 23.4 70.3
 148 64.8 32.5 97.5

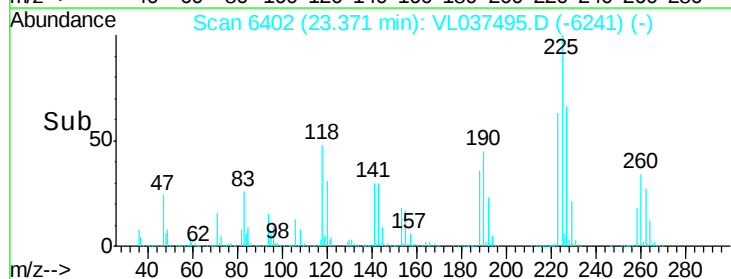
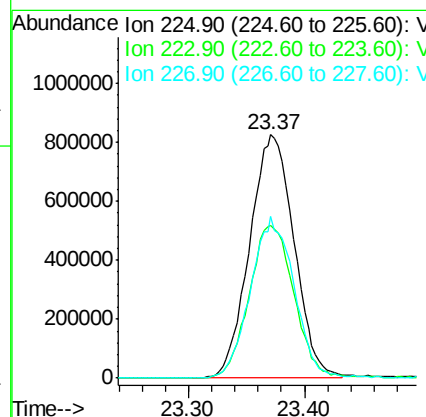
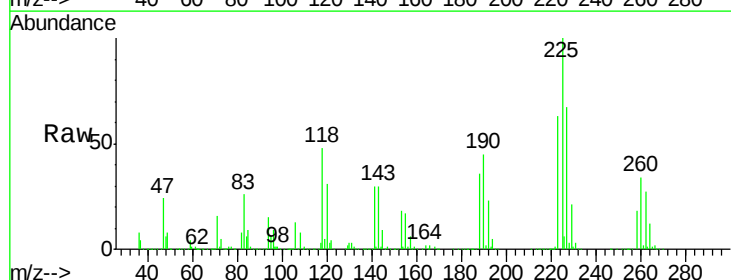
Manual Integrations
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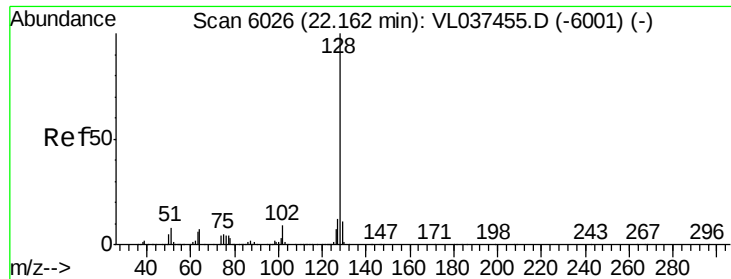
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.106 ppbv
 RT: 23.37 min Scan# 6402
 Delta R.T. 0.02 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Tgt Ion:225 Resp: 2197814
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.4 77.0
 227 65.5 52.9 79.3





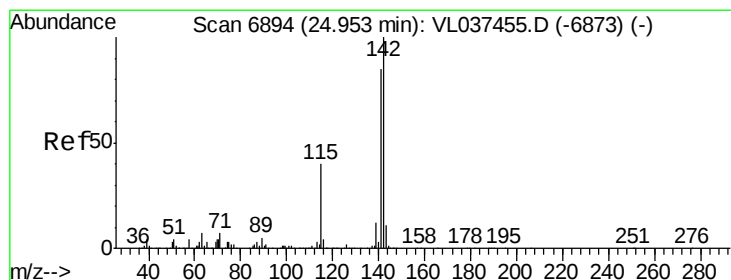
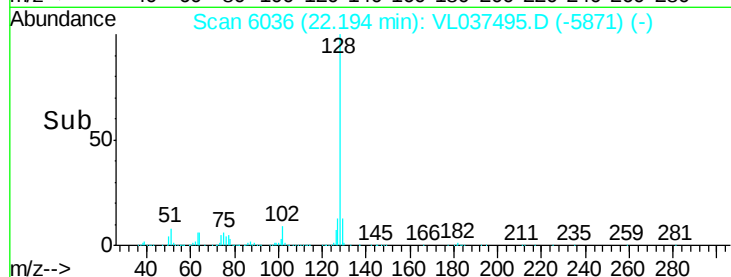
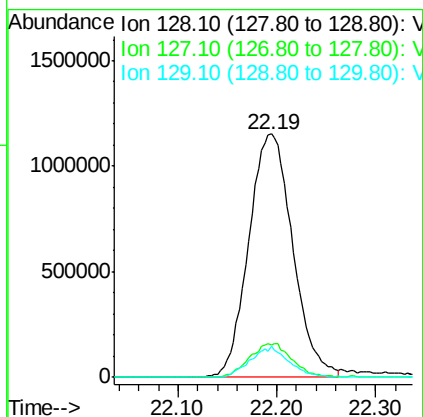
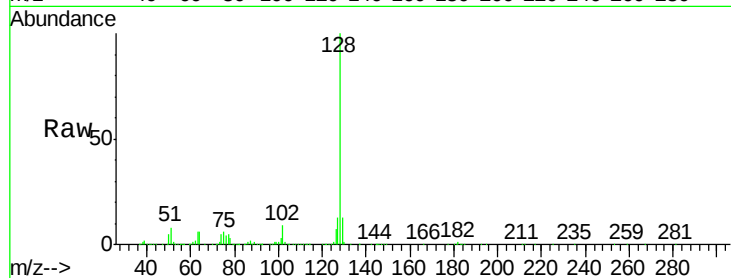
#79
Naphthalene
Concen: 9.652 ppbv
RT: 22.19 min Scan# 6036
Delta R.T. 0.03 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.4	14.2
129	12.6	8.8	13.2

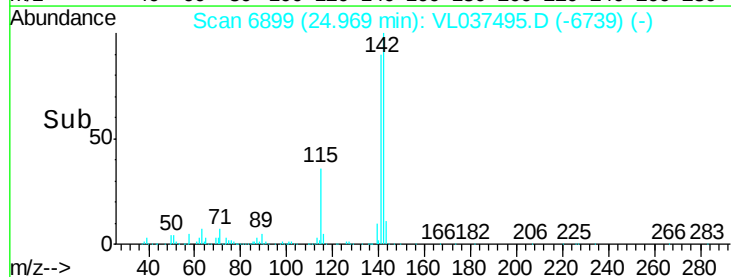
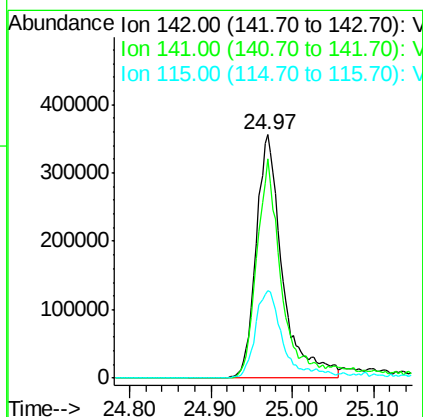
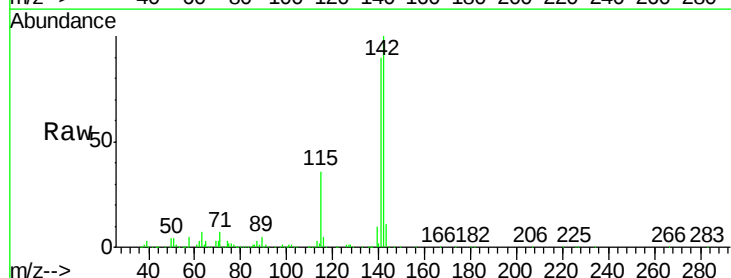
Manual Integrations
APPROVED

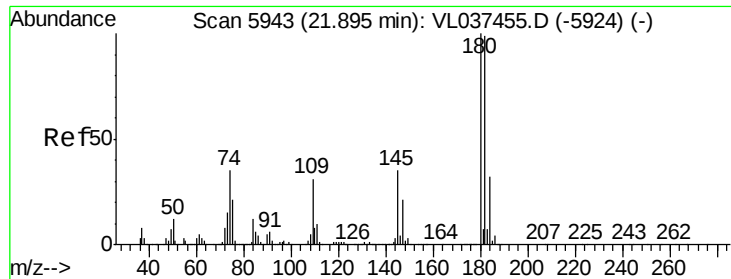
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#80
Naphthalene, 2-methyl-
Concen: 7.682 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. 0.02 min
Lab File: VL037495.D
Acq: 19 Aug 2021 11:03

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	64.7	97.1
115	40.7	28.4	42.6





#81
 1,2,4-Trichlorobenzene
 Concen: 9.412 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.03 min
 Lab File: VL037495.D
 Acq: 19 Aug 2021 11:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	79.6	119.4
184	31.3	25.4	38.2

Manual Integrations
 APPROVED

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