

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091621\
 Data File : VL037612.D
 Acq On : 16 Sep 2021 10:03
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 9/20/2021 5:26:35 PM

Quant Time: Sep 16 10:45:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.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	5.65	49	1699531	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4996370	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4543326m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3490134	10.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	3310216	12.139	ppbv	98
3) Chlorodifluoromethane	2.98	51	2947290	9.056	ppbv	99
4) Chloromethane	3.13	50	1112961	9.570	ppbv	93
5) Vinyl Chloride	3.25	62	1124795	9.441	ppbv	96
6) Bromomethane	3.47	94	634676	9.725	ppbv	96
7) Chloroethane	3.55	64	374709	9.214	ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	2534881	9.004	ppbv	99
9) Propene	3.00	41	1037513	8.910	ppbv	95
10) Heptane	8.11	43	2692617	10.046	ppbv	98
11) Trichlorofluoromethane	3.94	101	2314298	9.041	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1676277	8.924	ppbv	100
13) Ethanol	3.60	45	103094m	9.099	ppbv	
14) Bromoethene	3.73	108	779638	9.143	ppbv	97
15) Acetone	3.84	43	1358112	7.852	ppbv	100
16) 1,3-Butadiene	3.32	39	1067503	9.621	ppbv	98
17) tert-Butyl alcohol	4.27	59	1524940	9.651	ppbv	100
18) 1,1-Dichloroethene	4.28	96	765026	8.966	ppbv	99
19) Isopropyl Alcohol	3.95	45	902075	9.103	ppbv #	95
20) Methylene Chloride	4.33	84	679824	7.850	ppbv	97
21) Allyl Chloride	4.40	41	1263055	8.991	ppbv	94
22) trans-1,2-Dichloroethene	4.87	96	798298	9.378	ppbv	97
23) Vinyl Acetate	5.06	43	2492263	9.776	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1594456	8.623	ppbv	98
25) Ethyl Acetate	5.66	43	4181485	9.523	ppbv	99
26) Hexane	5.67	57	2010811	9.366	ppbv	99
27) Carbon Disulfide	4.54	76	1893397	9.896	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1707345	8.281	ppbv	98
29) Chloroform	5.74	83	2838954	9.331	ppbv	100
30) Cyclohexane	7.11	84	1675386	9.366	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1863144	9.589	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2717133	9.089	ppbv	99
34) 2-Butanone	5.23	43	1871433	9.172	ppbv	97
35) Carbon Tetrachloride	7.00	117	2829790	9.583	ppbv	99
36) Benzene	6.88	78	4102366	9.767	ppbv	99
37) 1,2-Dichloroethane	6.29	62	2010073	9.661	ppbv	100
38) Trichloroethene	7.82	130	1644093	9.540	ppbv	95
39) 1,2-Dichloropropane	7.60	63	1588949	9.845	ppbv	99
40) 1,4-Dioxane	7.82	88	412825	10.441	ppbv #	100
41) Tetrahydrofuran	6.03	42	976819	9.939	ppbv	99
42) Bromodichloromethane	7.78	83	3007884	9.887	ppbv	100
43) Methyl Methacrylate	8.00	69	1499859	10.246	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	6840392	9.677	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1310869	11.895	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	1694224	11.021	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1714606	9.832	ppbv	99
48) Dibromochloromethane	10.29	129	2688532	10.713	ppbv	98
49) Bromoform	13.02	173	2295813	11.606	ppbv	96
50) 4-Methyl-2-Pentanone	8.73	43	2676370	10.055	ppbv	99
51) 2-Hexanone	10.12	43	1262879	10.315	ppbv #	97
52) Tetrachloroethene	11.20	164	1538036	8.936	ppbv	98
53) Toluene	9.79	91	4792119	9.992	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2449001	10.059	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1868475	9.870	ppbv	93
57) Chlorobenzene	12.13	112	3622441	9.608	ppbv	98
58) Ethyl Benzene	12.69	91	6268831	9.943	ppbv	99
59) m/p-Xylene	12.98	91	10452630m	19.123	ppbv	
60) o-Xylene	13.67	91	4912419	9.629	ppbv	98
61) Styrene	13.51	104	2842909	10.727	ppbv	98
62) Isopropylbenzene	14.65	105	6798048	9.442	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	3499174	9.229	ppbv	99
64) n-propylbenzene	15.54	120	1864628	10.176	ppbv	86
65) tert-Butylbenzene	16.73	119	5926380	9.038	ppbv	99
66) Benzyl Chloride	16.97	91	369337	12.451	ppbv	97
67) sec-Butylbenzene	17.27	105	8190676	8.940	ppbv	99
69) p-Isopropyltoluene	17.63	119	6907349	9.252	ppbv	100
70) n-Butylbenzene	18.53	91	6716891	9.414	ppbv	100
71) 2-Chlorotoluene	15.43	91	5139783	9.735	ppbv	98
72) 4-Ethyltoluene	15.82	105	5929382	9.772	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	5342503	9.459	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	5428804	9.045	ppbv #	90
75) 1,3-Dichlorobenzene	16.98	146	3405660	9.427	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	3351099	9.207	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	3184437	8.951	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2299643	7.774	ppbv	99
79) Naphthalene	22.17	128	3829896	9.535	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	1050322	9.386	ppbv	93
81) 1,2,4-Trichlorobenzene	21.89	180	2270015m	9.006	ppbv	

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

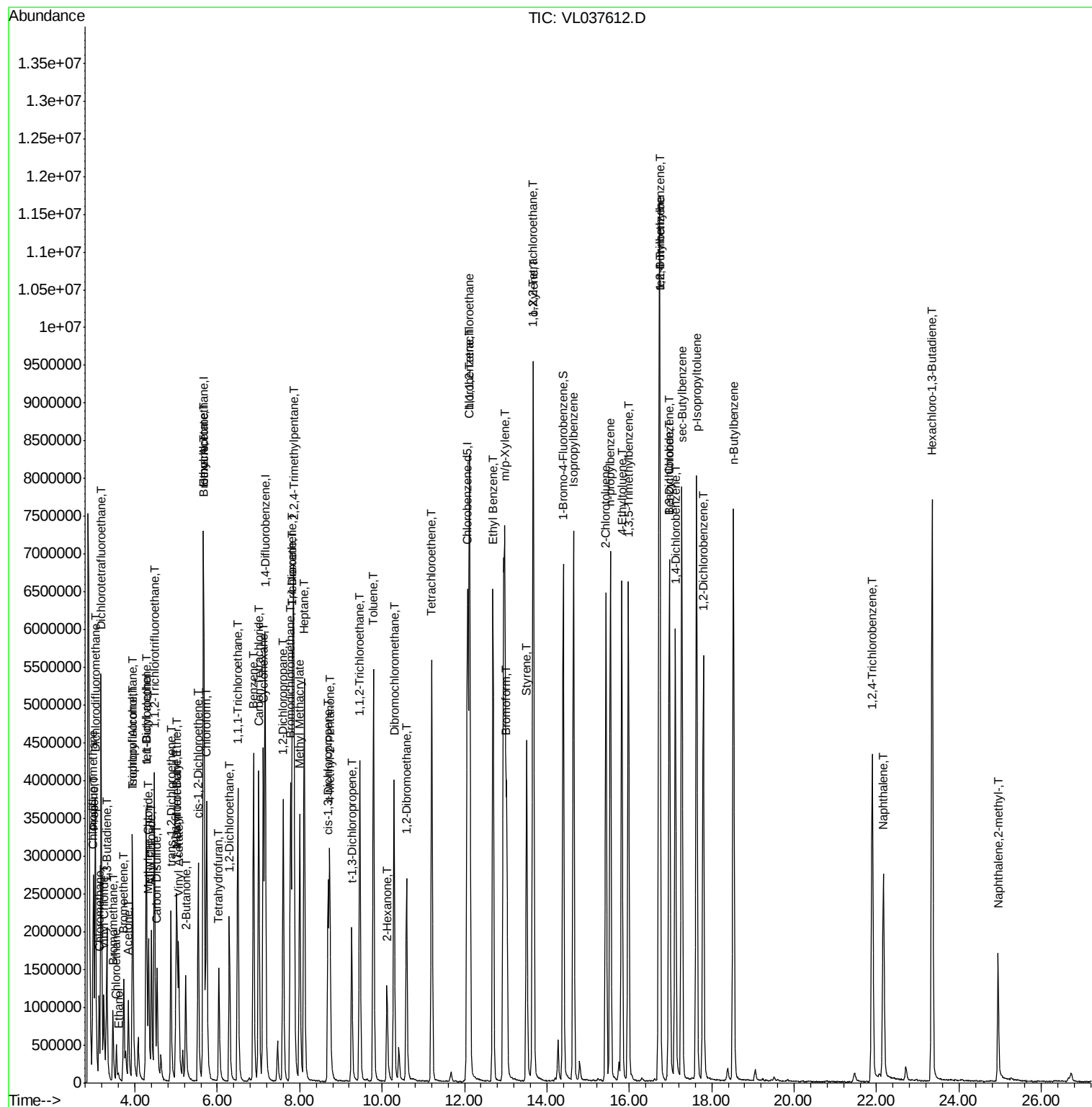
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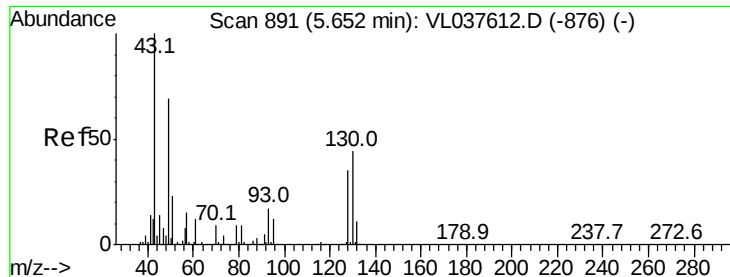
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QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1699531

Ion Ratio Lower Upper

49 100

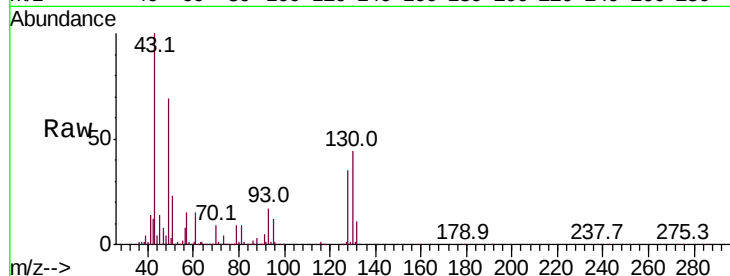
128 55.7 27.5 82.4

130 67.8 34.0 101.8

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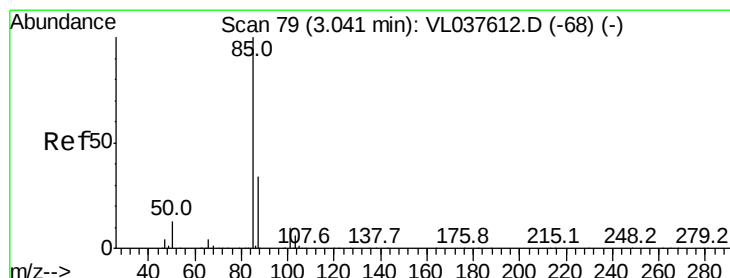
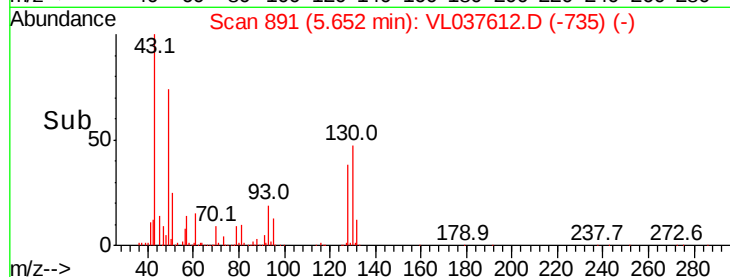
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.65

Time-->



#2

Dichlorodifluoromethane

Concen: 12.139 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL037612.D

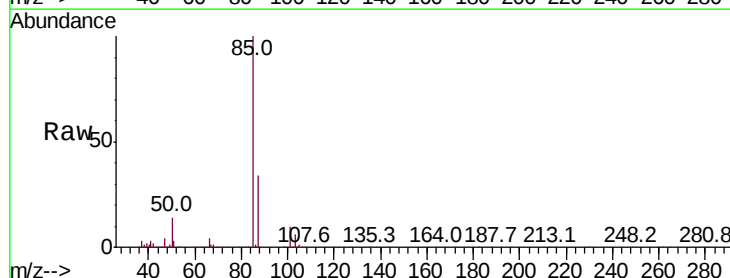
Acq: 16 Sep 2021 10:03

Tgt Ion: 85 Resp: 3310216

Ion Ratio Lower Upper

85 100

87 33.5 27.6 41.4

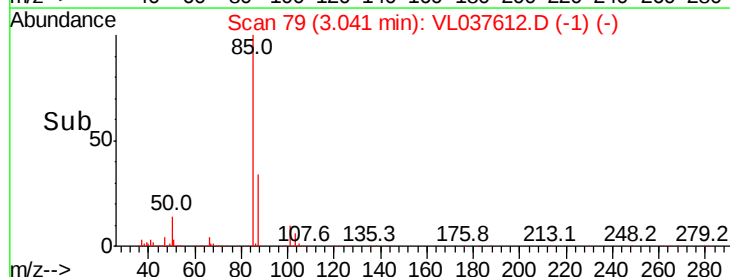


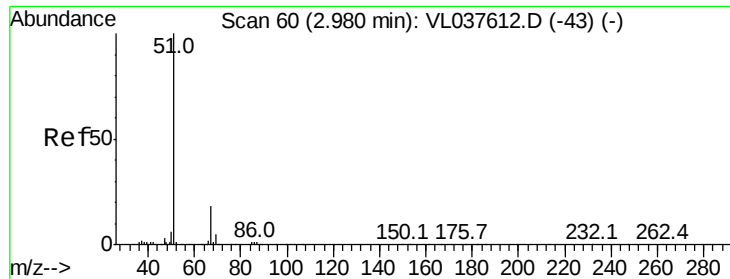
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

Time-->





#3

Chlorodifluoromethane

Concen: 9.056 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 51 Resp: 2947290

Ion Ratio Lower Upper

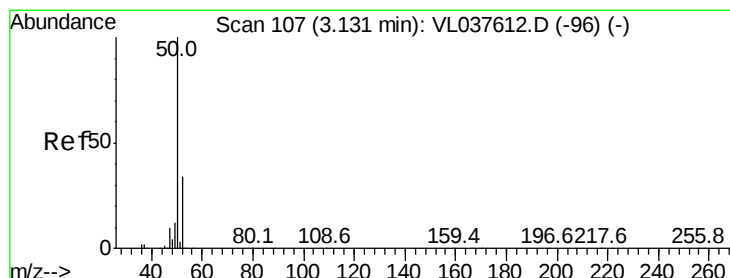
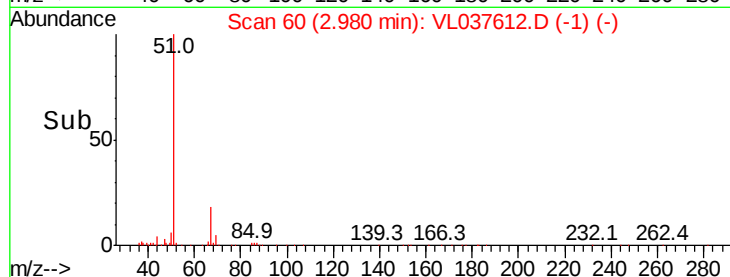
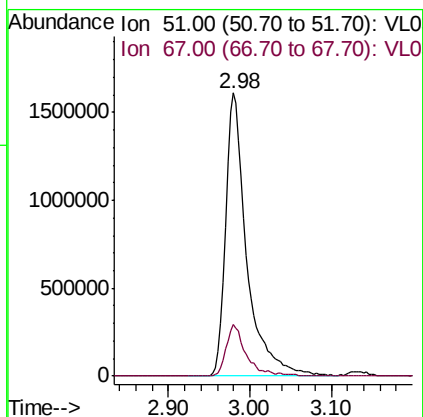
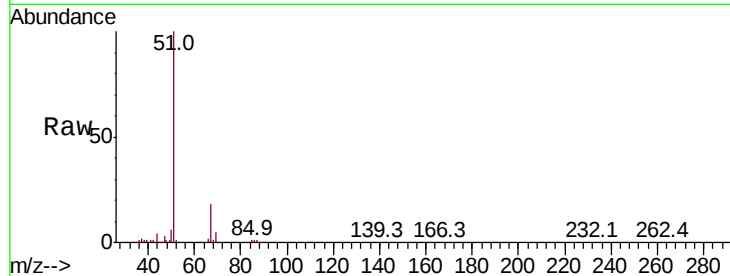
51 100

67 17.5 14.2 21.2

Manual Integrations
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#4

Chloromethane

Concen: 9.570 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL037612.D

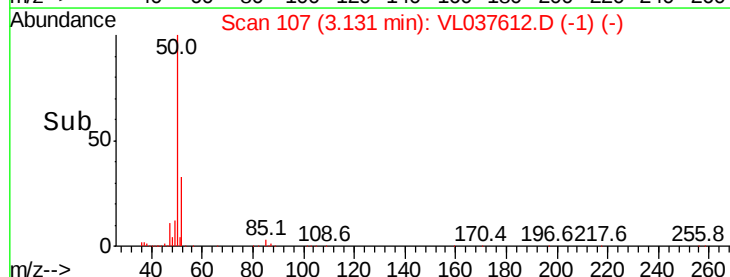
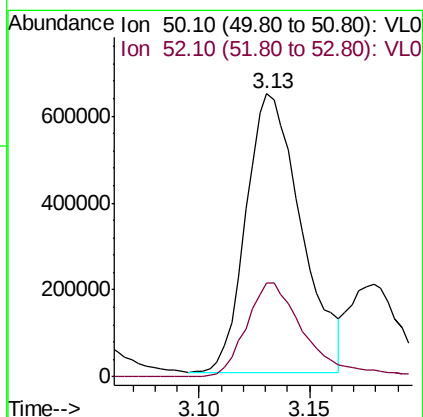
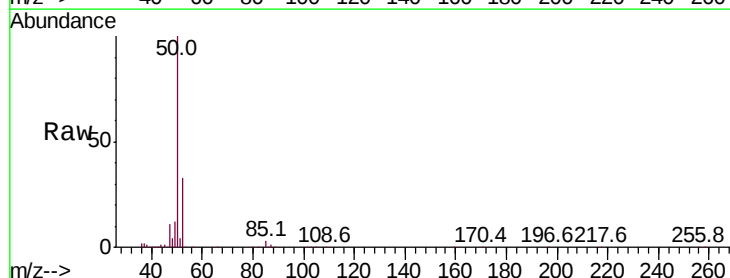
Acq: 16 Sep 2021 10:03

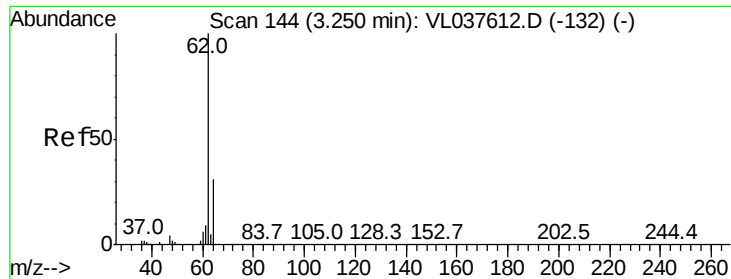
Tgt Ion: 50 Resp: 1112961

Ion Ratio Lower Upper

50 100

52 33.9 24.0 36.0





#5

Vinyl Chloride

Concen: 9.441 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 1124795

Ion Ratio Lower Upper

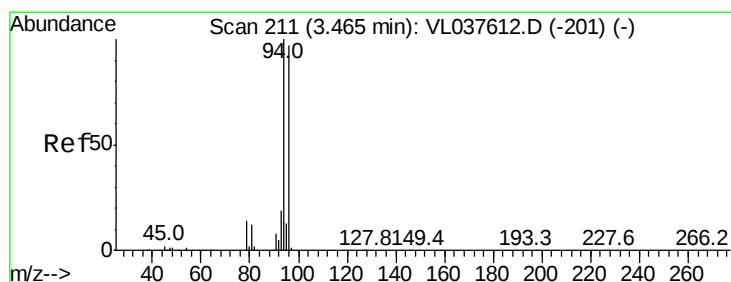
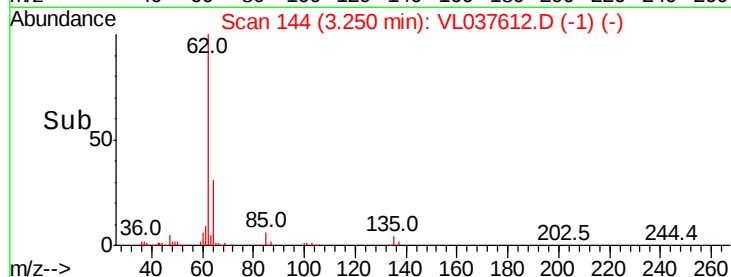
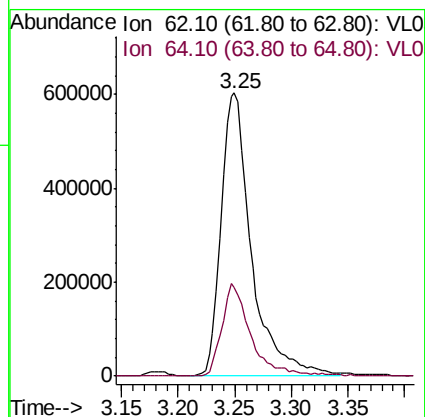
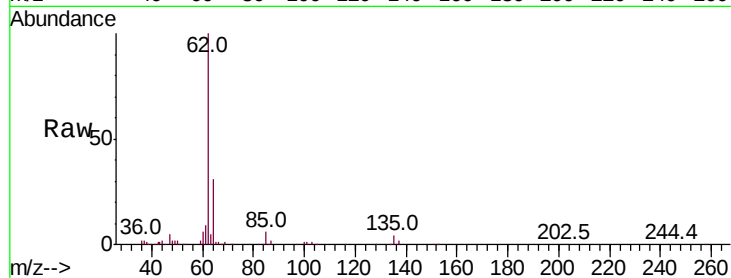
62 100

64 31.1 26.5 39.7

Manual Integrations
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#6

Bromomethane

Concen: 9.725 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL037612.D

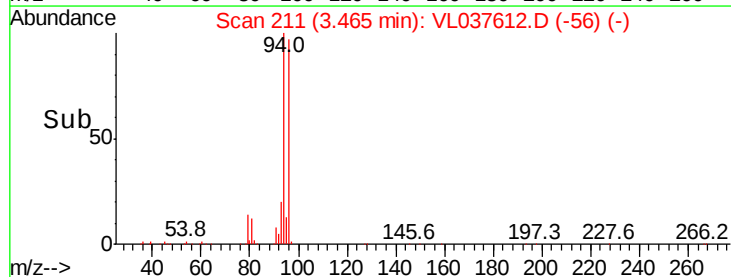
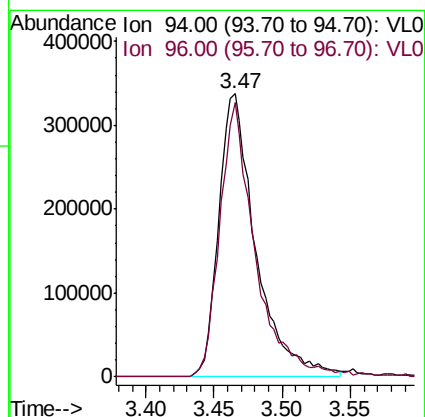
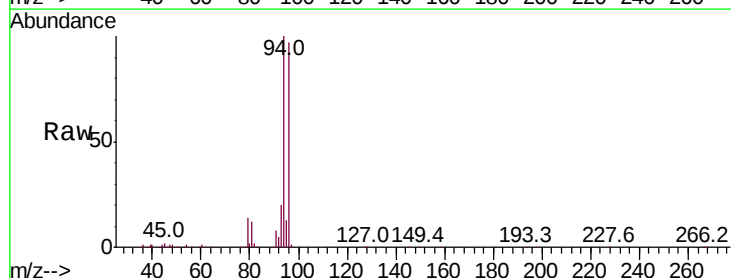
Acq: 16 Sep 2021 10:03

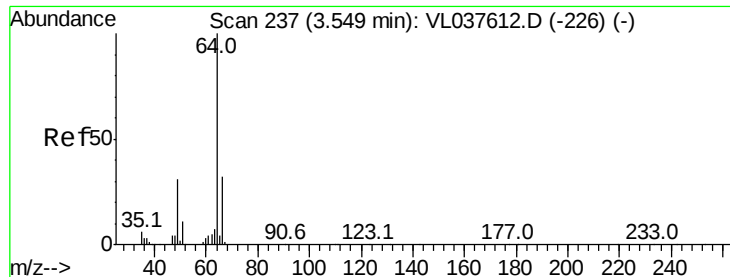
Tgt Ion: 94 Resp: 634676

Ion Ratio Lower Upper

94 100

96 96.6 74.5 111.7





#7

Chloroethane

Concen: 9.214 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 374709

Ion Ratio Lower Upper

64 100

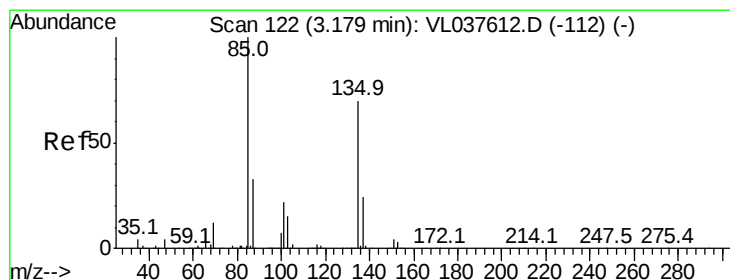
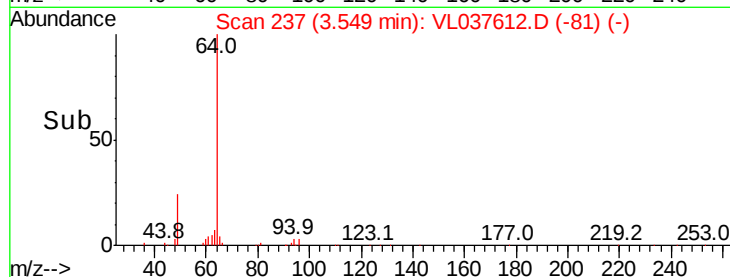
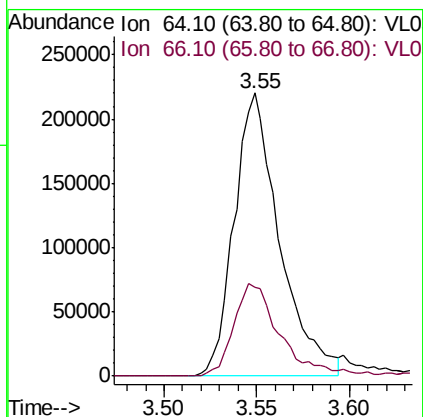
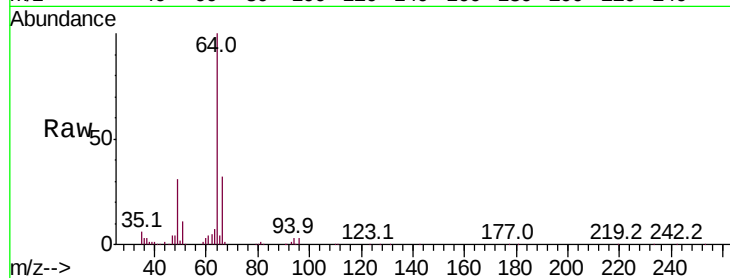
66 31.6 28.6 43.0

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.004 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037612.D

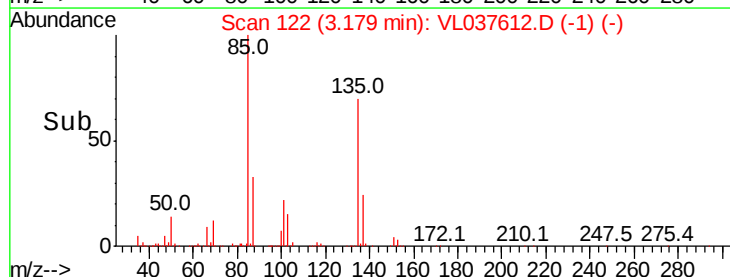
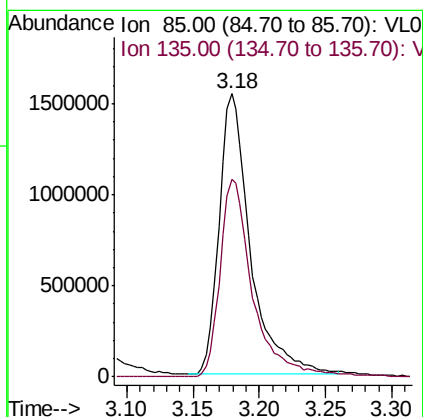
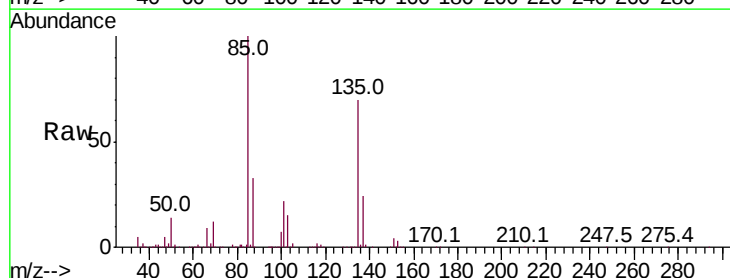
Acq: 16 Sep 2021 10:03

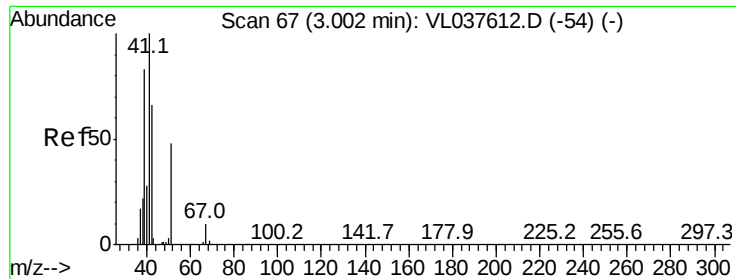
Tgt Ion: 85 Resp: 2534881

Ion Ratio Lower Upper

85 100

135 74.1 58.8 88.2





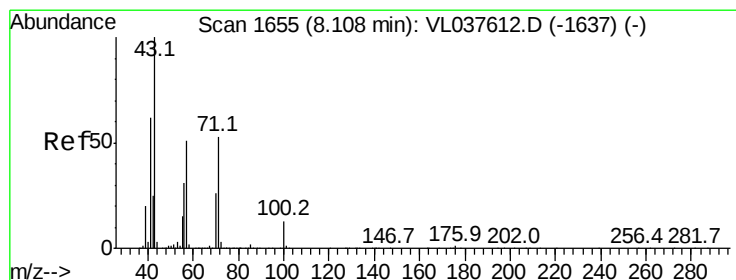
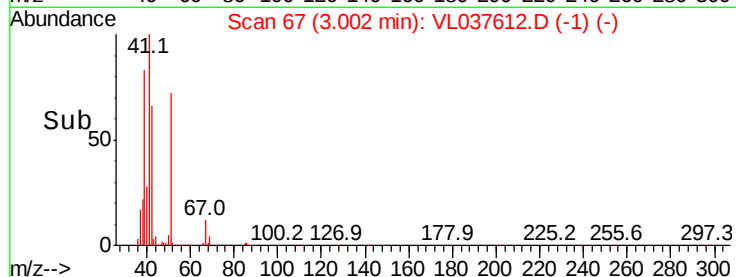
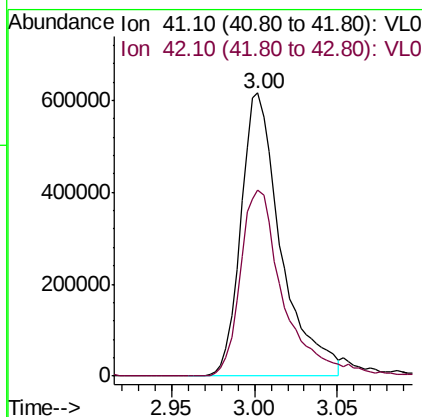
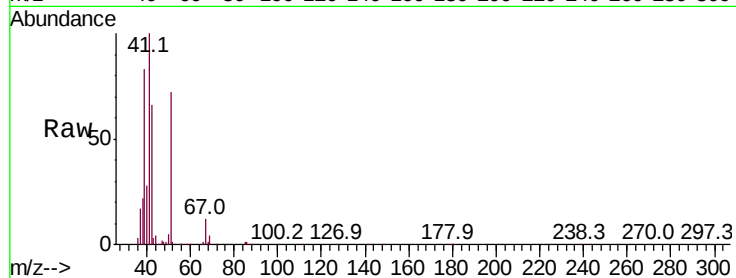
#9
Propene
Concen: 8.910 ppbv
RT: 3.00 min Scan# 67
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 41 Resp: 1037513
Ion Ratio Lower Upper
41 100
42 71.5 53.7 80.5

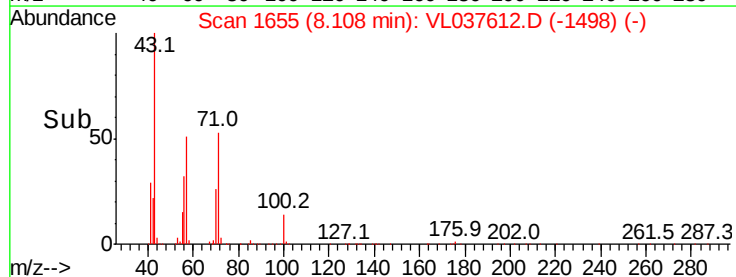
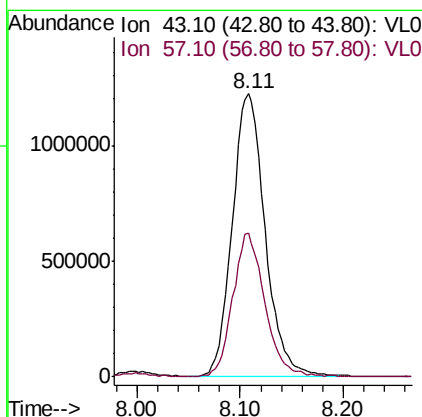
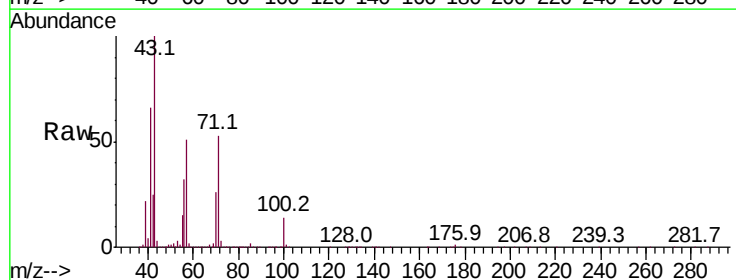
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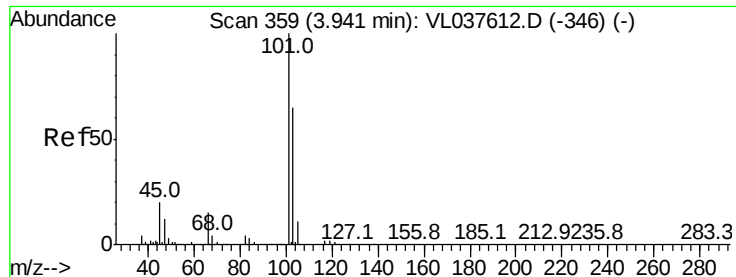
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#10
Heptane
Concen: 10.046 ppbv
RT: 8.11 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Tgt Ion: 43 Resp: 2692617
Ion Ratio Lower Upper
43 100
57 50.1 41.0 61.6





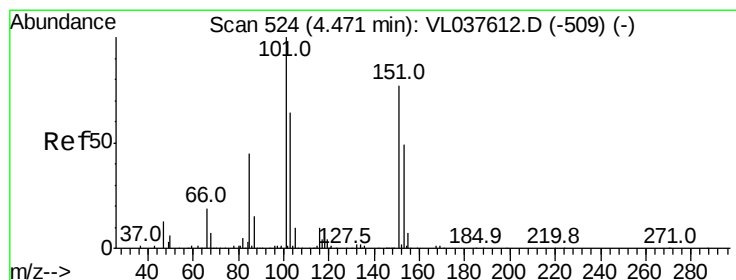
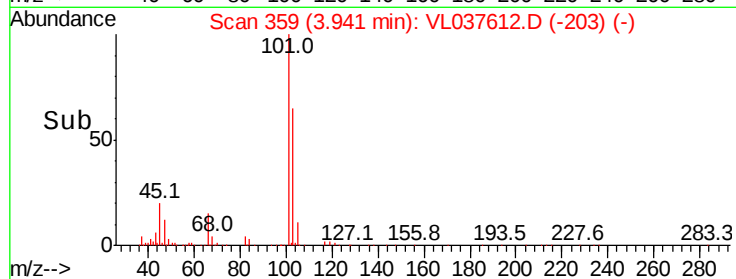
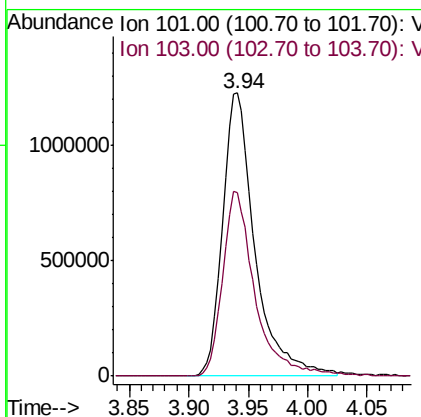
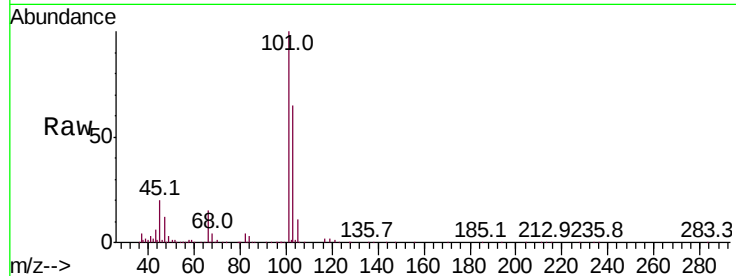
#11
 Trichlorofluoromethane
 Concen: 9.041 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 2314298
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.8 77.6

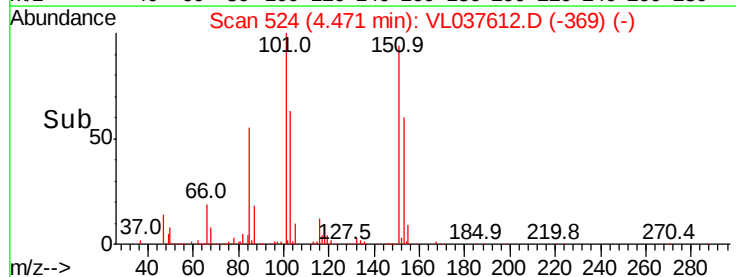
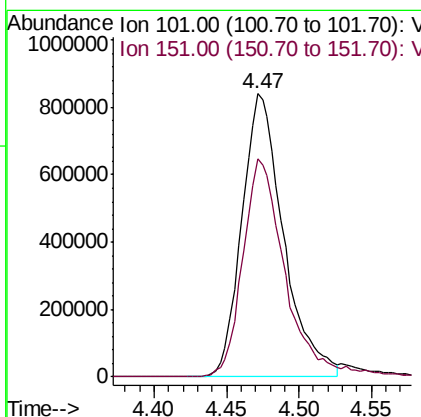
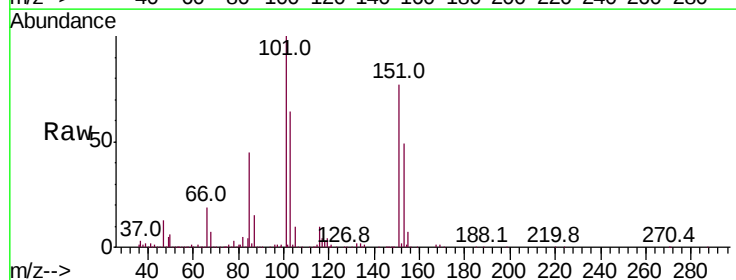
Manual Integrations
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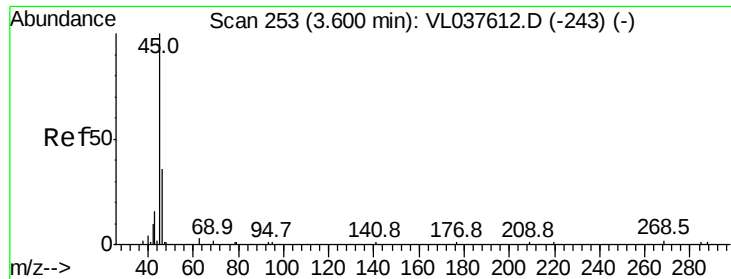
MMDadoda
 9/20/2021 5:26:35 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.924 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Tgt Ion:101 Resp: 1676277
 Ion Ratio Lower Upper
 101 100
 151 79.4 63.7 95.5





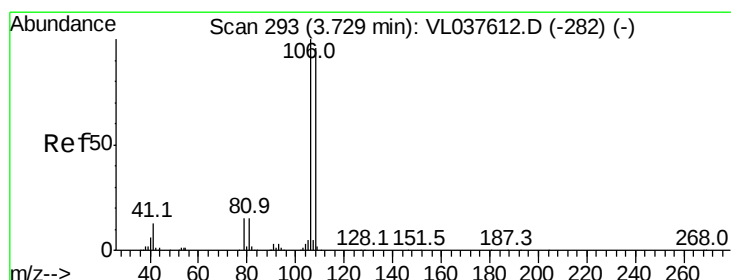
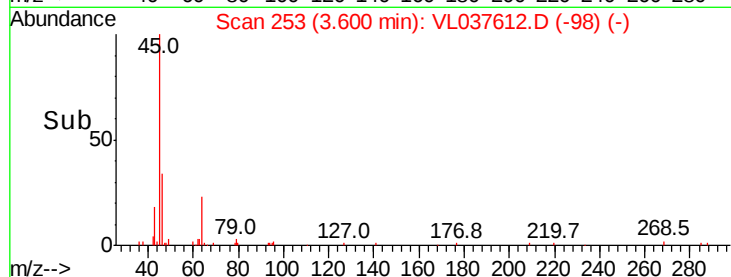
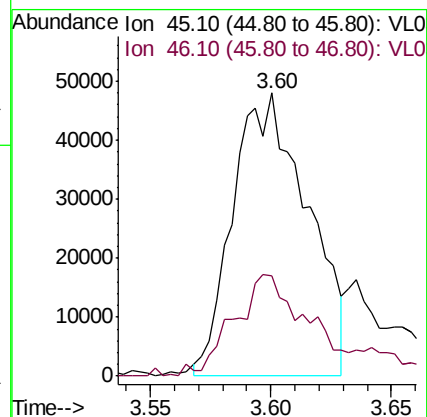
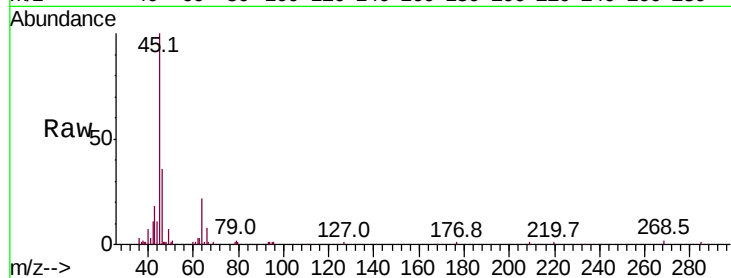
#13
Ethanol
Concen: 9.099 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Instrument :
MSVOA_L
ClientSampled :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	43.0	14.1	56.5

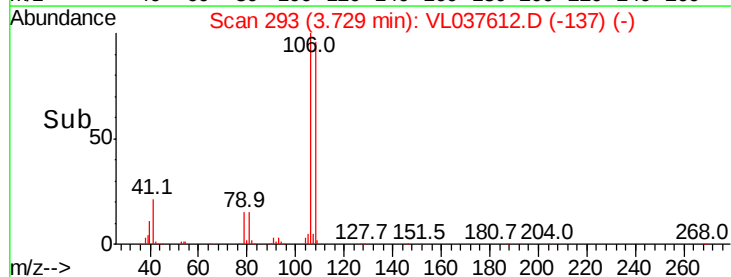
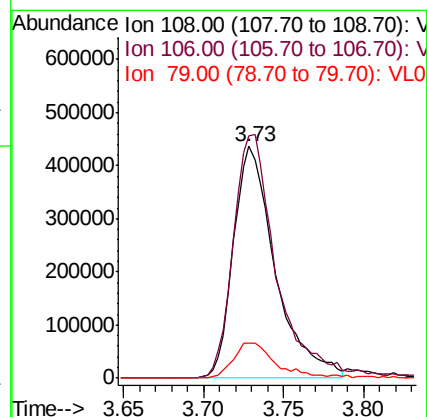
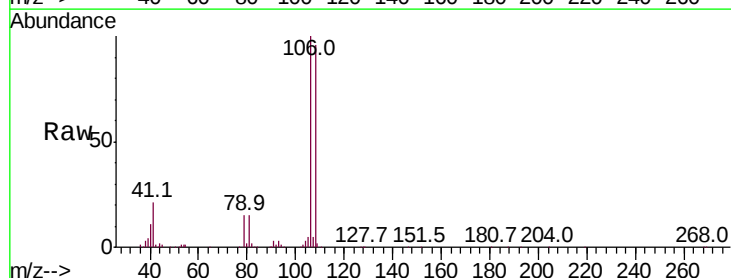
Manual Integrations
APPROVED

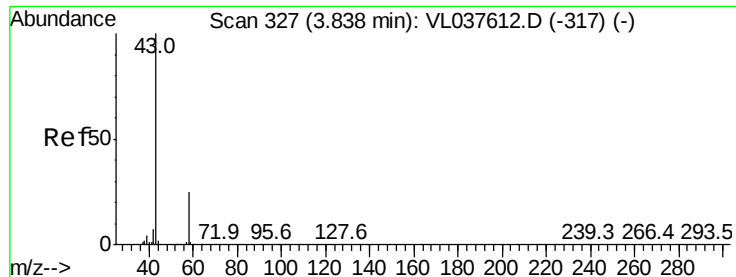
MMDadoda
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#14
Bromoethene
Concen: 9.143 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Tgt Ion	Ratio	Lower	Upper
108	100		
106	110.3	85.8	128.8
79	16.0	12.6	18.8





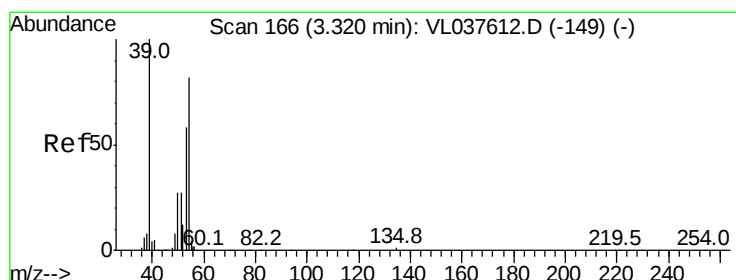
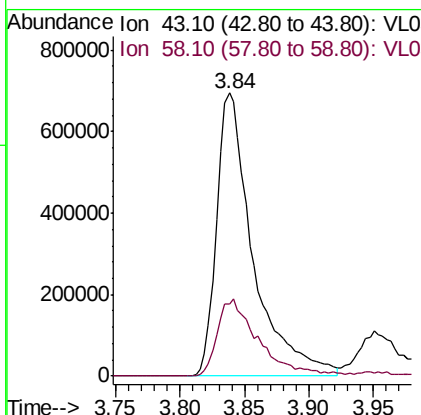
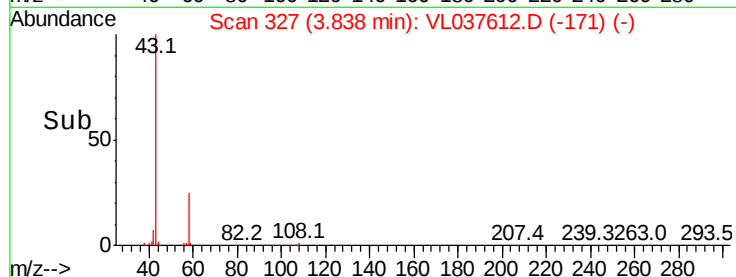
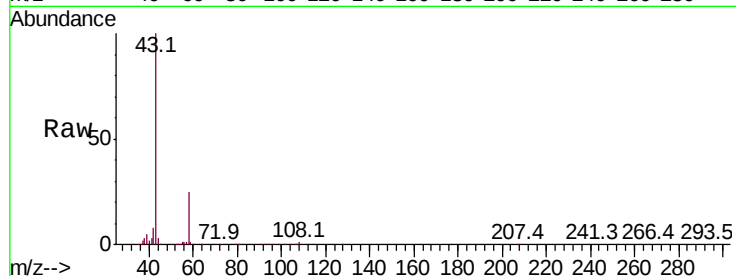
#15
Acetone
Concen: 7.852 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1358112
Ion Ratio Lower Upper
43 100
58 31.1 24.8 37.2

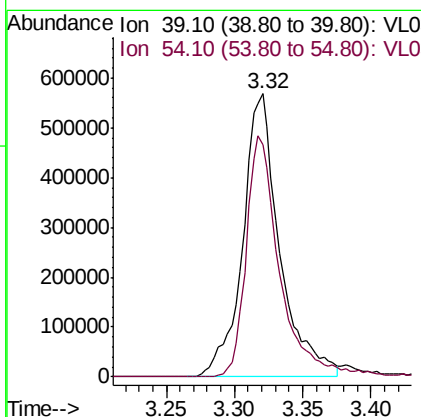
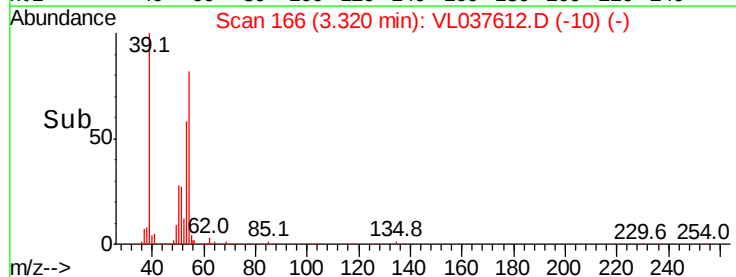
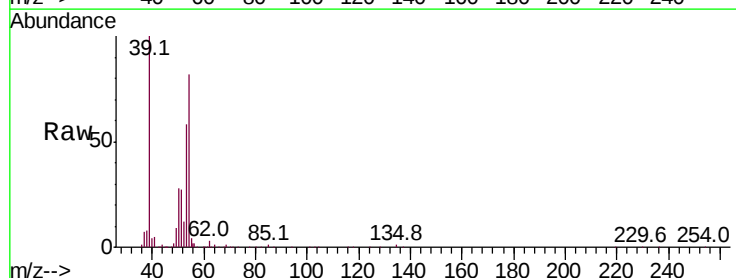
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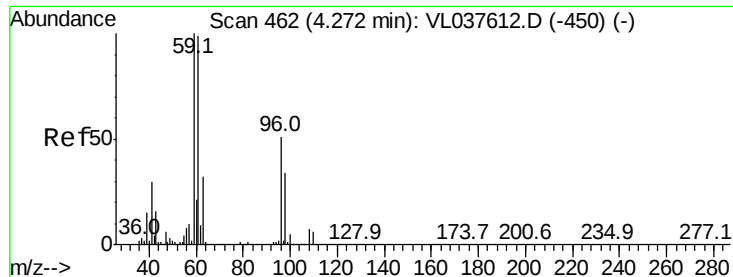
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#16
1,3-Butadiene
Concen: 9.621 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Tgt Ion: 39 Resp: 1067503
Ion Ratio Lower Upper
39 100
54 78.2 63.7 95.5





#17

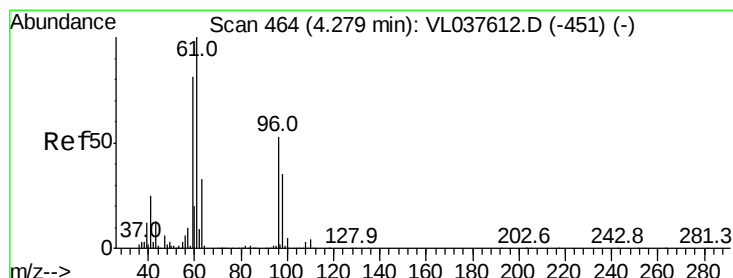
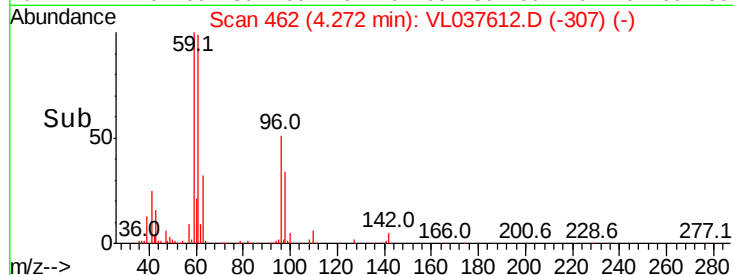
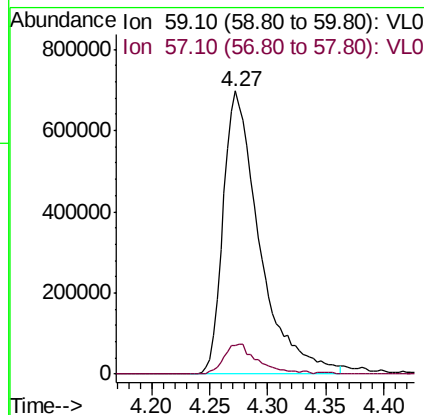
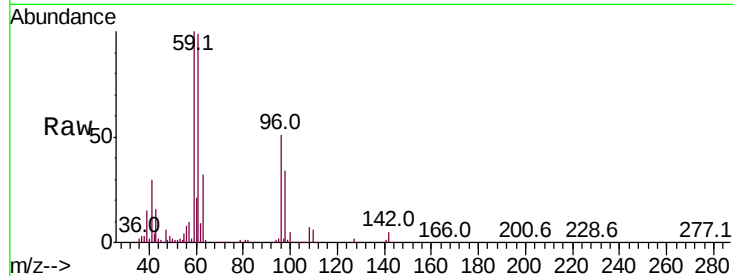
tert-Butyl alcohol
Concen: 9.651 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1524940
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5

Manual Integrations
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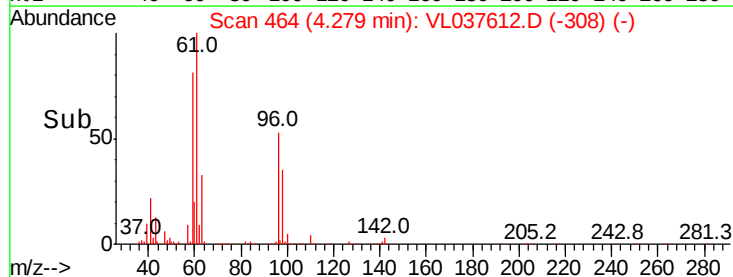
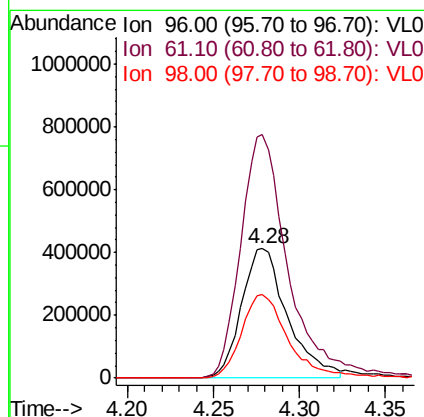
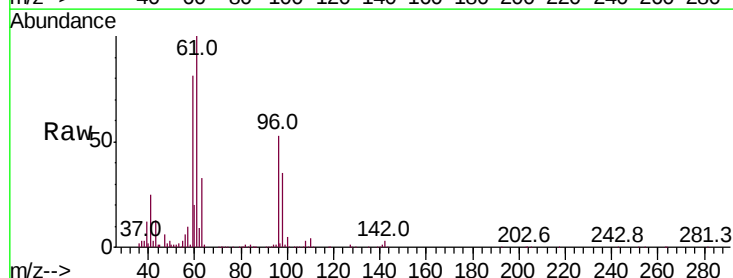
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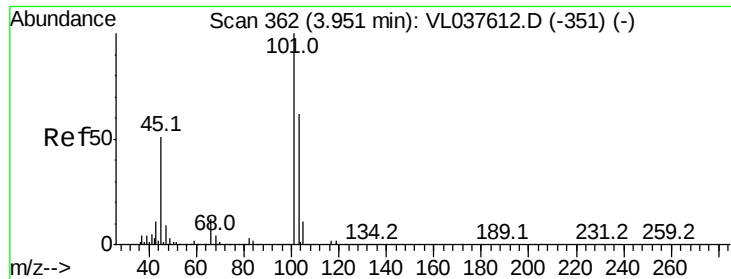


#18

1,1-Dichloroethene
Concen: 8.966 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Tgt Ion: 96 Resp: 765026
Ion Ratio Lower Upper
96 100
61 188.0 151.1 226.7
98 65.1 51.8 77.8





#19

Isopropyl Alcohol

Concen: 9.103 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 902075

Ion Ratio Lower Upper

45 100

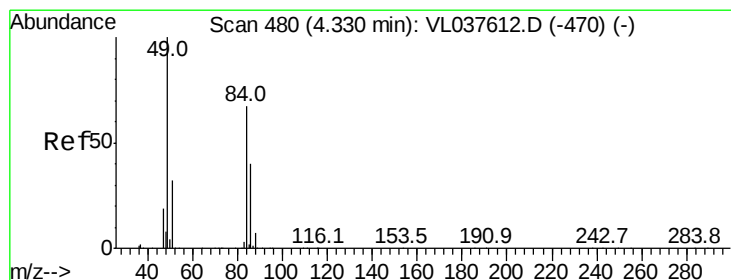
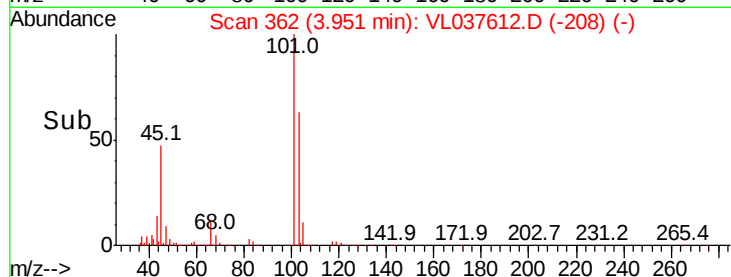
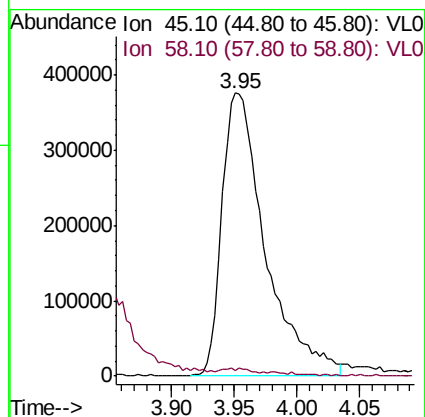
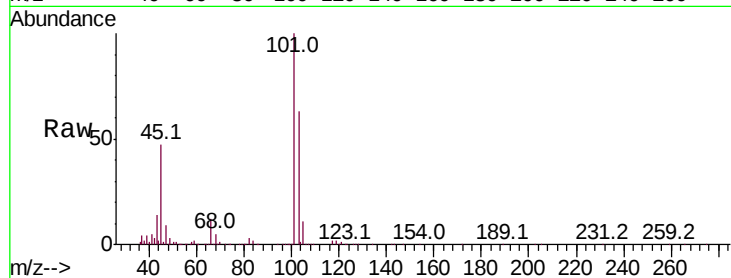
58 3.6 1.4 2.2#

Manual Integrations

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#20

Methylene Chloride

Concen: 7.850 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Tgt Ion: 84 Resp: 679824

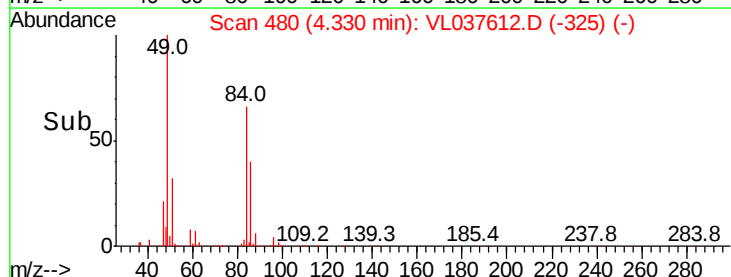
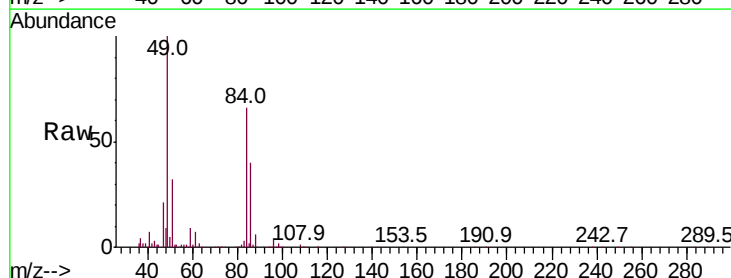
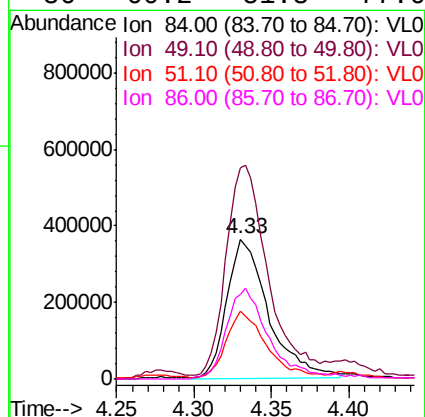
Ion Ratio Lower Upper

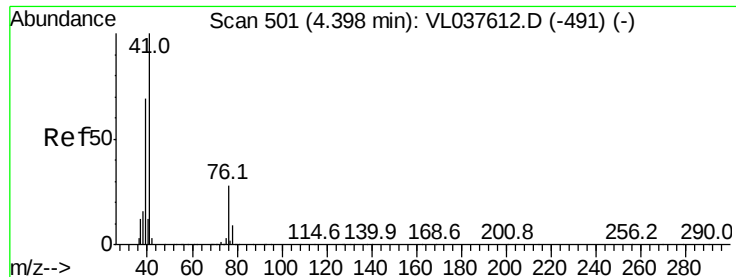
84 100

49 150.0 118.2 177.2

51 47.5 36.6 55.0

86 60.2 51.8 77.6





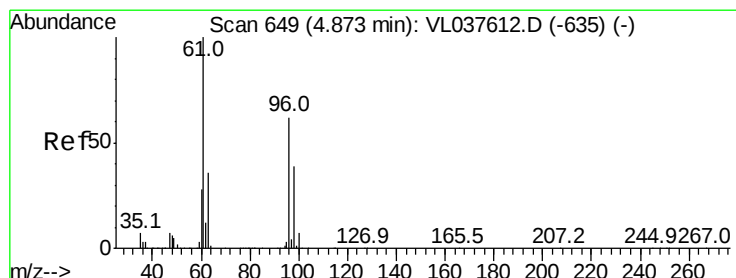
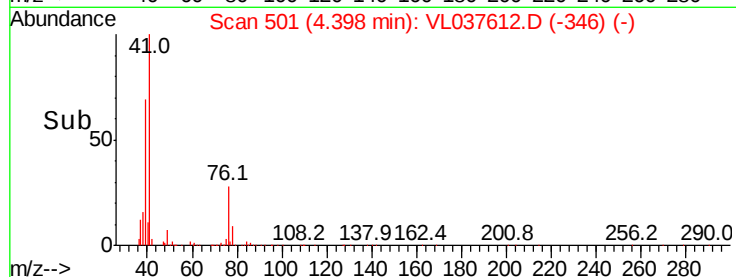
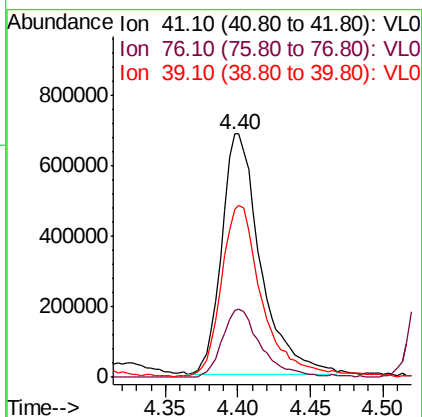
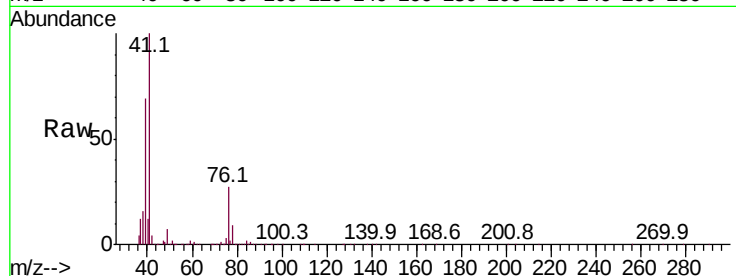
#21
Allvl Chloride
Concen: 8.991 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.9	21.8	32.6
39	76.3	56.8	85.2

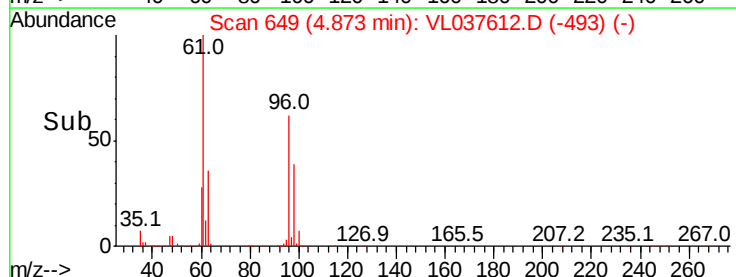
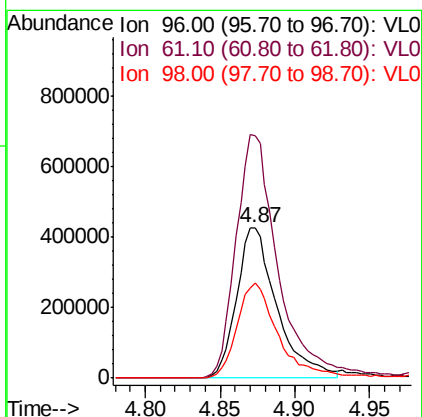
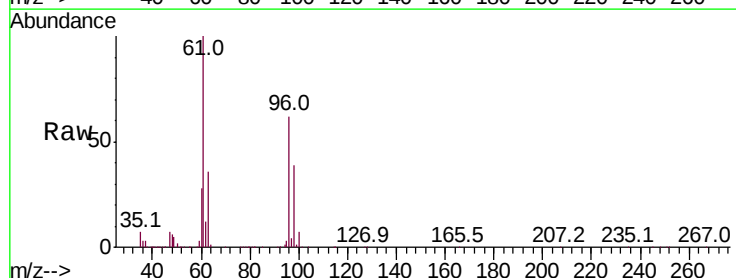
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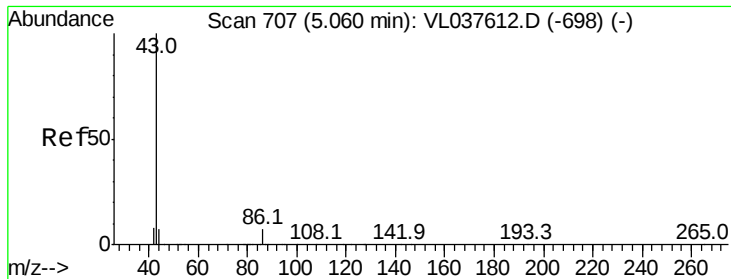
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#22
trans-1,2-Dichloroethene
Concen: 9.378 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.5	125.5	188.3
98	63.0	49.0	73.4





#23

Vinyl Acetate

Concen: 9.776 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2492263

Ion Ratio Lower Upper

43 100

86 6.3 5.7 8.5

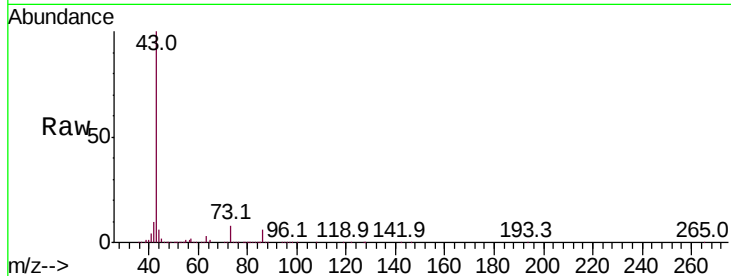
42 9.4 7.4 11.2

44 5.9 4.3 6.5

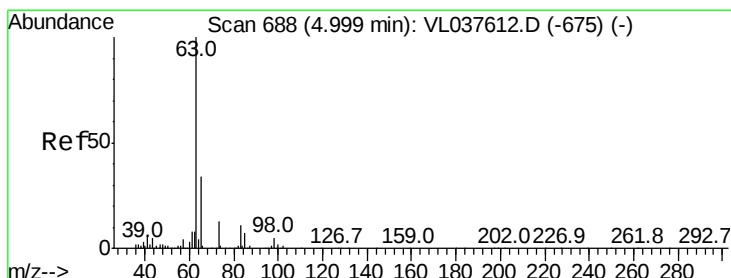
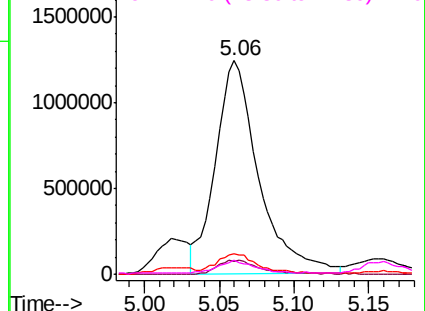
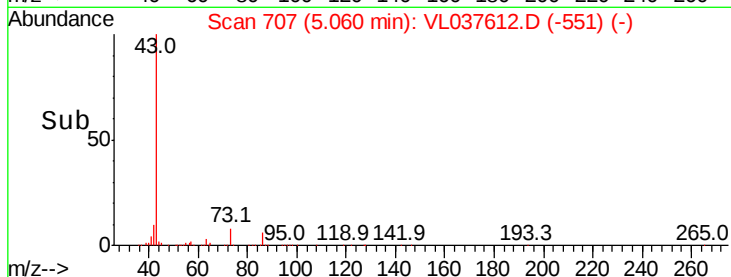
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.623 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

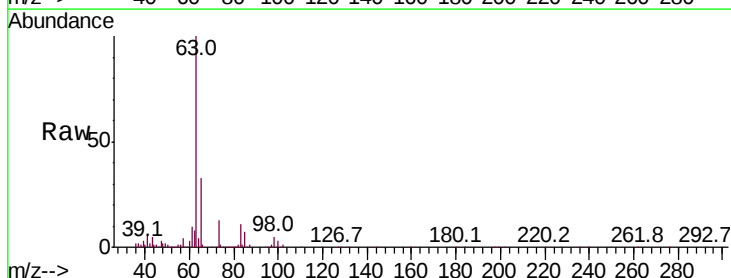
Tgt Ion: 63 Resp: 1594456

Ion Ratio Lower Upper

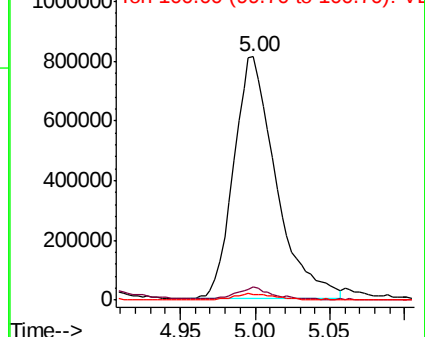
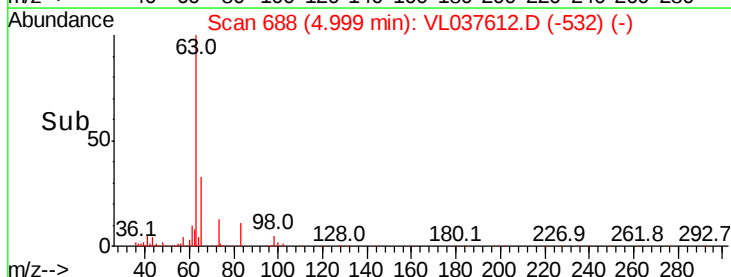
63 100

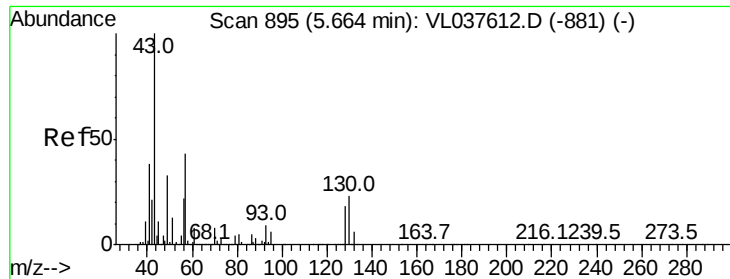
98 4.8 2.1 6.3

100 2.3 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





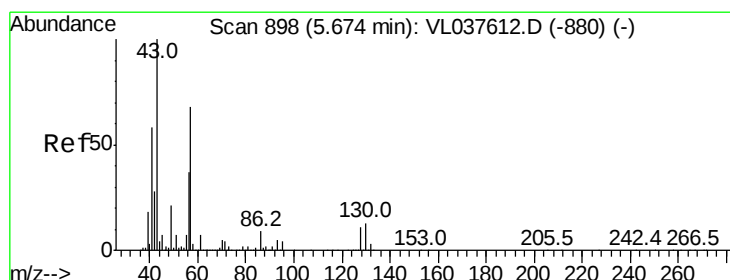
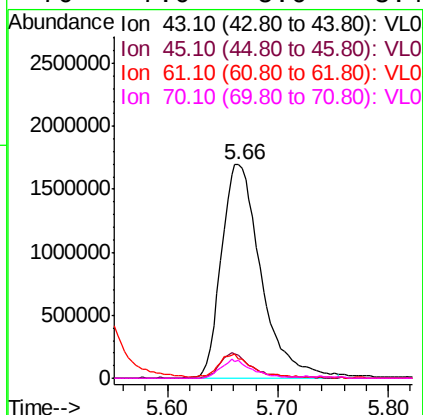
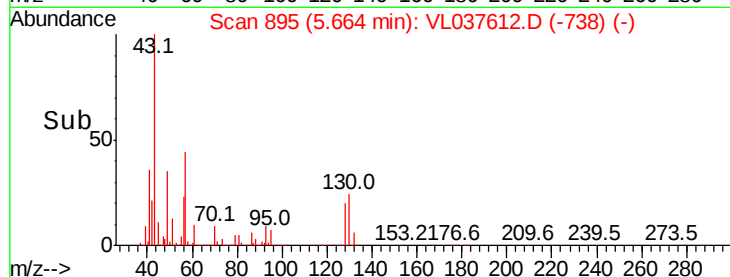
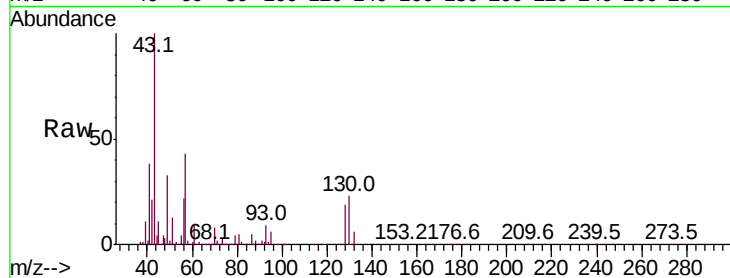
#25
Ethyl Acetate
Concen: 9.523 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.01 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.4	8.0	12.0
70	7.0	5.6	8.4

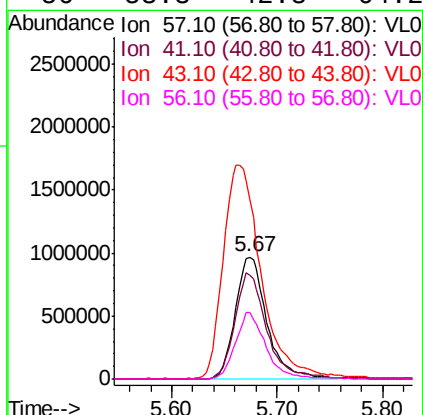
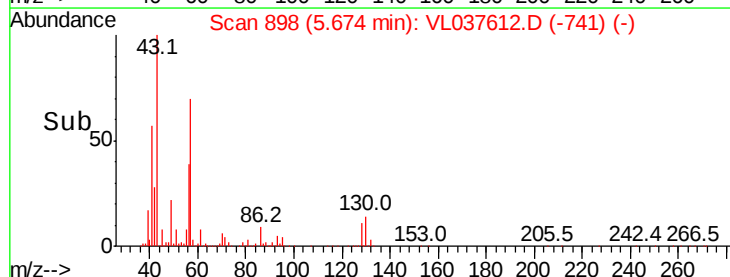
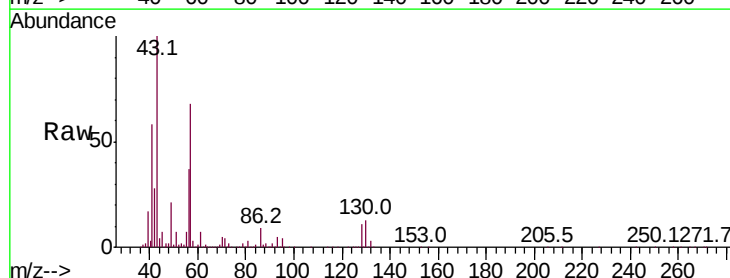
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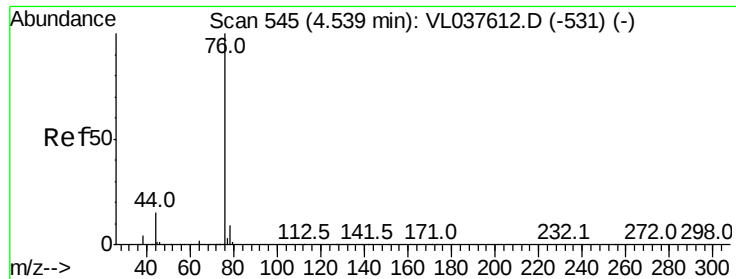
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#26
Hexane
Concen: 9.366 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.6	72.3	108.5
43	213.0	172.3	258.5
56	53.3	42.8	64.2





#27

Carbon Disulfide

Concen: 9.896 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 1893397

Ion Ratio Lower Upper

76 100

44 17.7 13.9 20.9

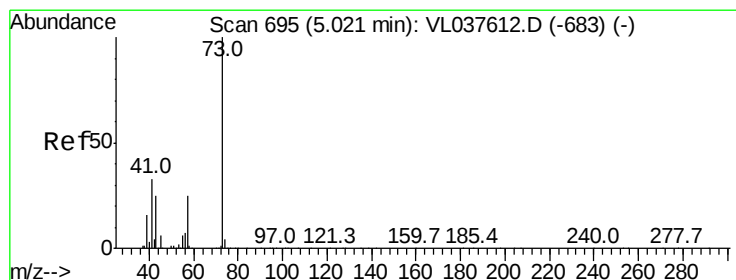
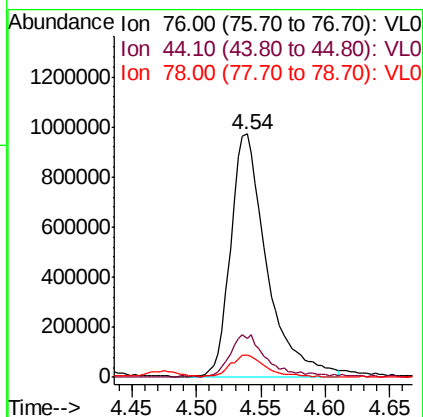
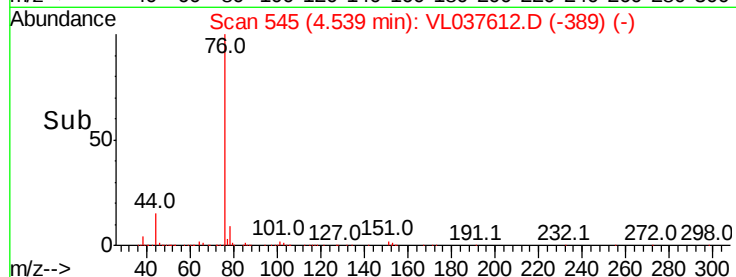
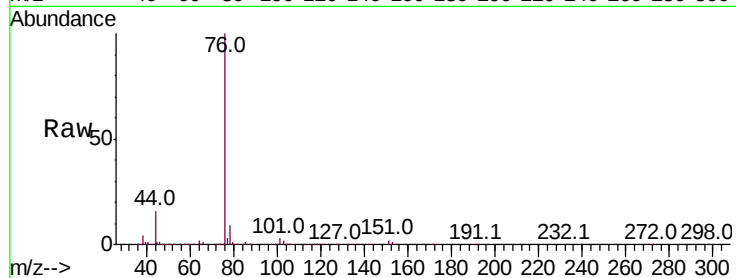
78 9.2 7.9 11.9

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#28

Methyl tert-Butyl Ether

Concen: 8.281 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL037612.D

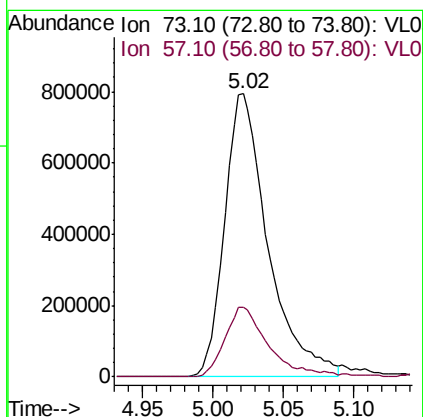
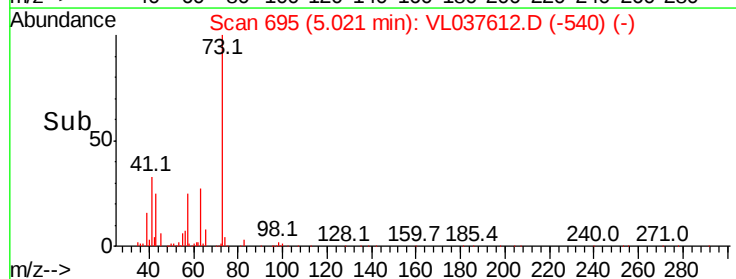
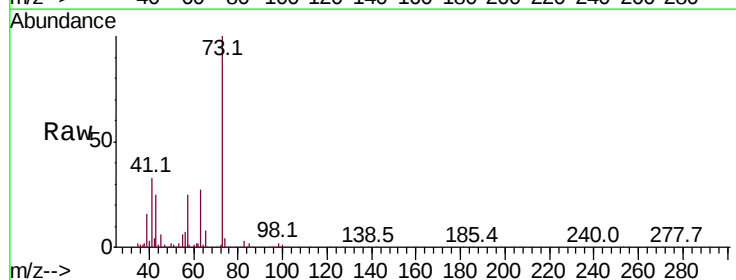
Acq: 16 Sep 2021 10:03

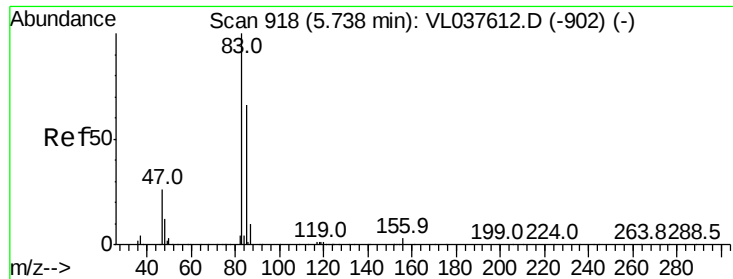
Tgt Ion: 73 Resp: 1707345

Ion Ratio Lower Upper

73 100

57 25.1 19.4 29.2





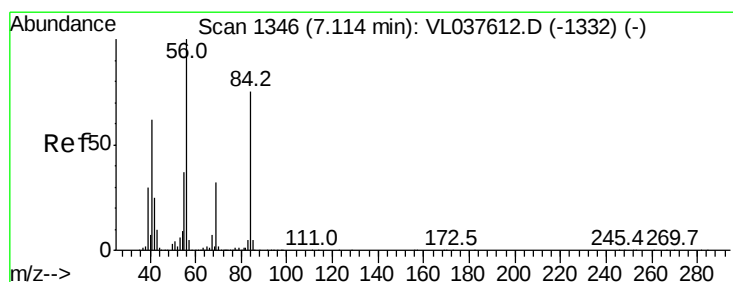
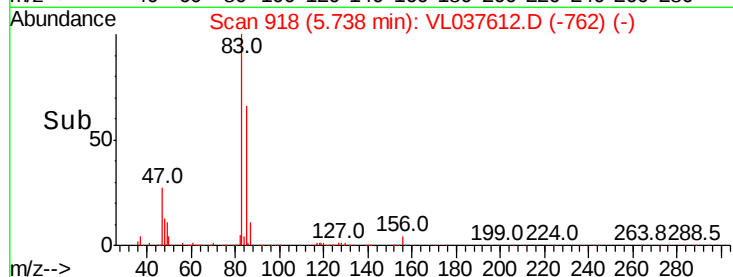
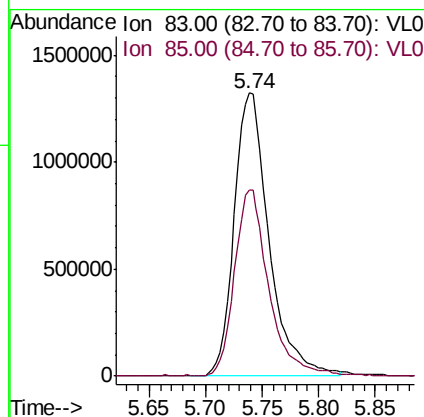
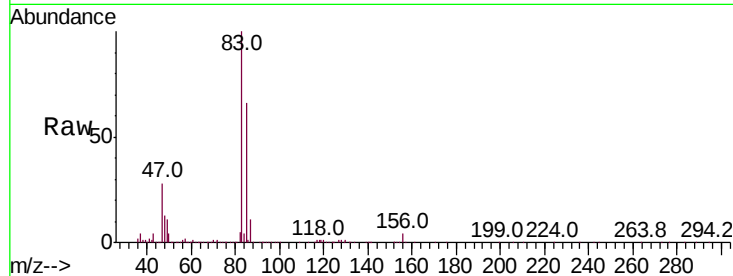
#29
Chloroform
Concen: 9.331 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2838954
Ion Ratio Lower Upper
83 100
85 65.8 52.3 78.5

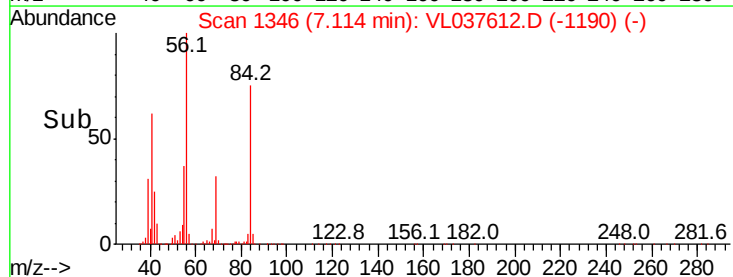
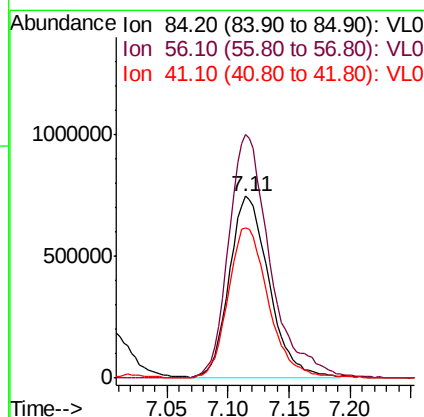
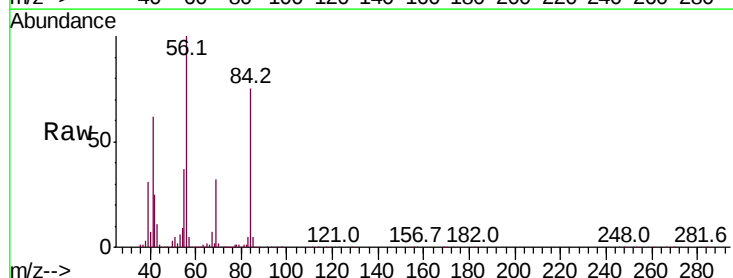
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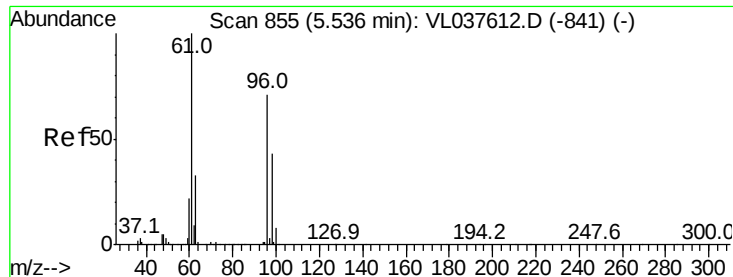
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#30
Cyclohexane
Concen: 9.366 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Tgt Ion: 84 Resp: 1675386
Ion Ratio Lower Upper
84 100
56 142.0 110.6 165.8
41 84.9 67.0 100.6





#31

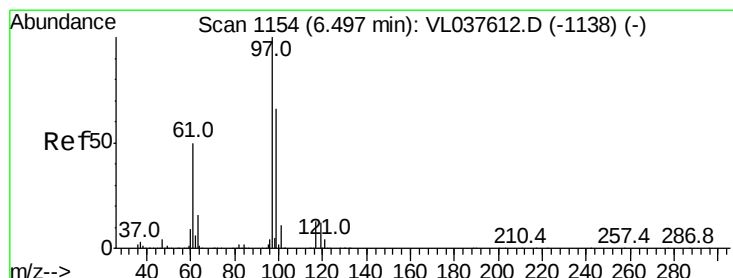
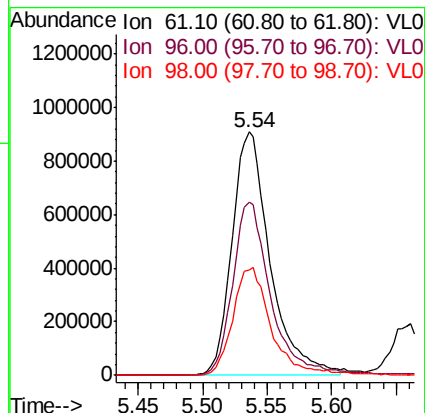
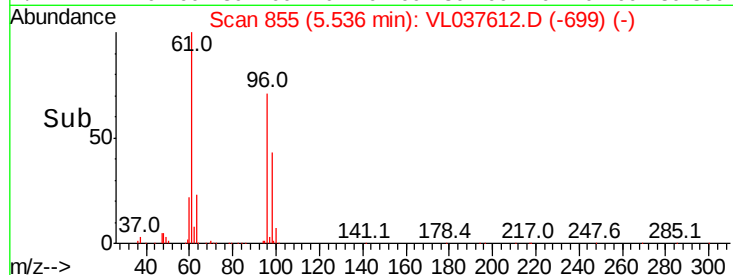
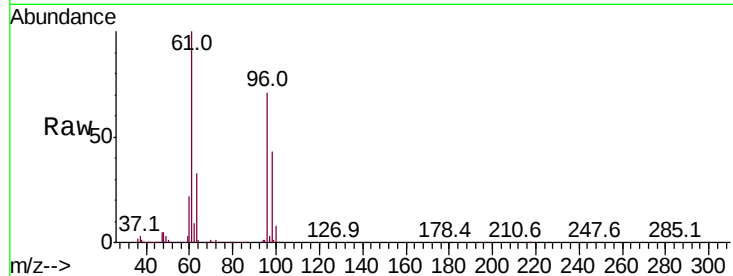
cis-1,2-Dichloroethene
Concen: 9.589 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	70.9	54.8	82.2
98	43.3	34.2	51.2

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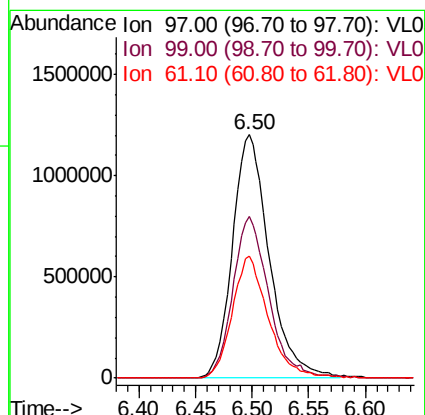
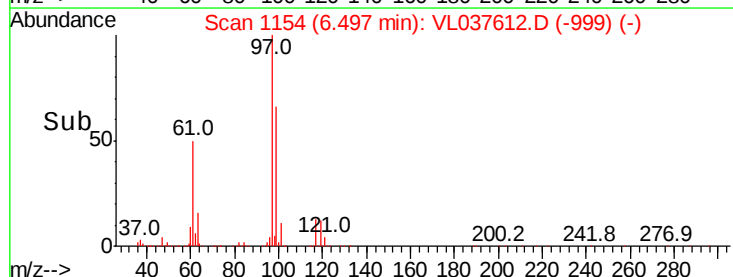
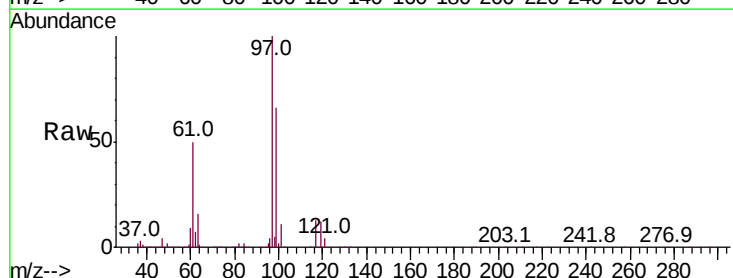
MMDadoda
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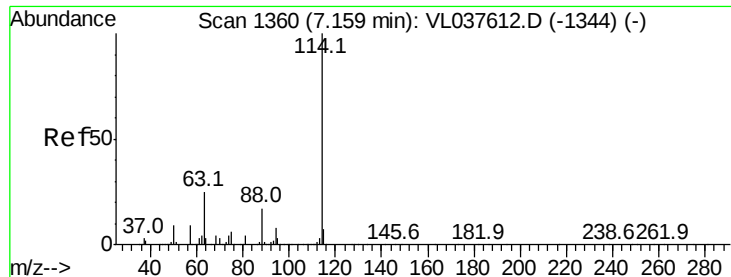


#32

1,1,1-Trichloroethane
Concen: 9.089 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.8	77.6
61	49.4	39.6	59.4





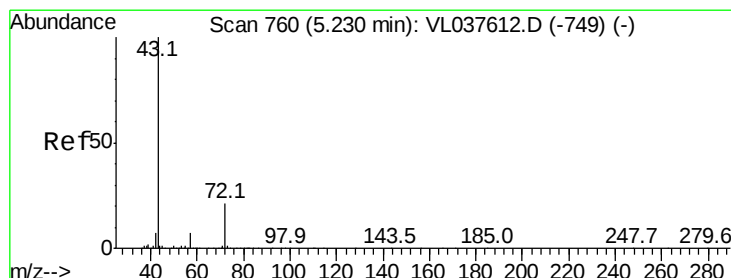
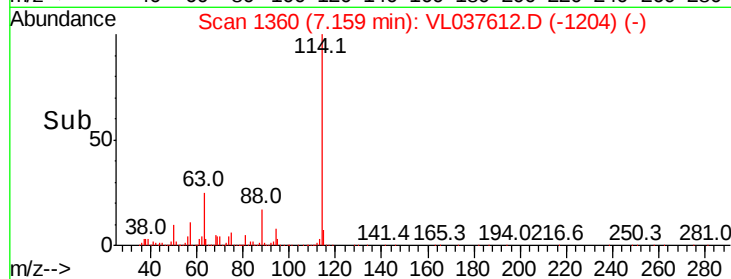
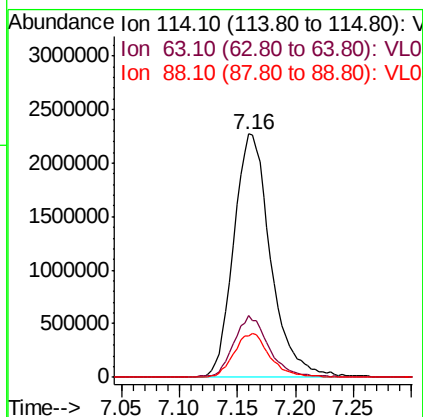
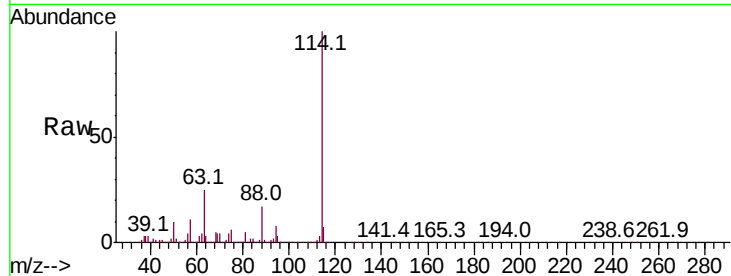
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.3	28.9
88	17.8	14.2	21.4

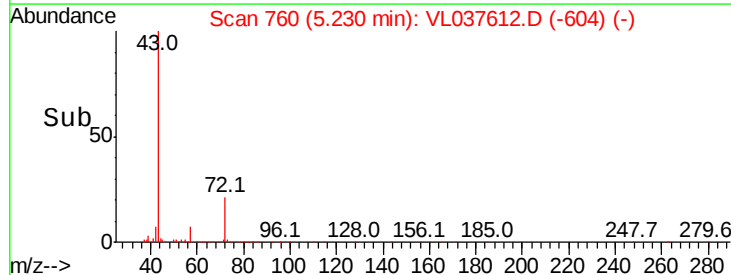
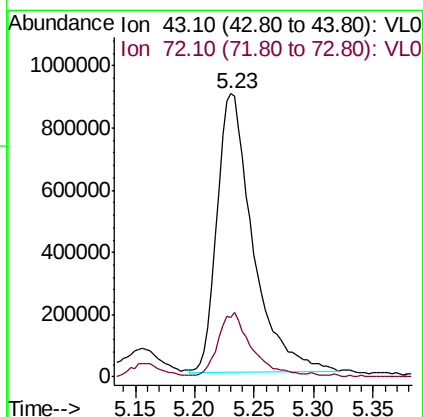
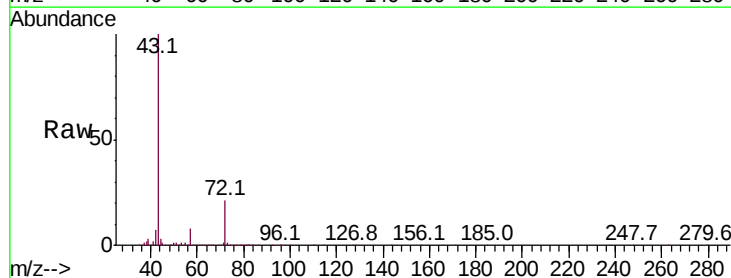
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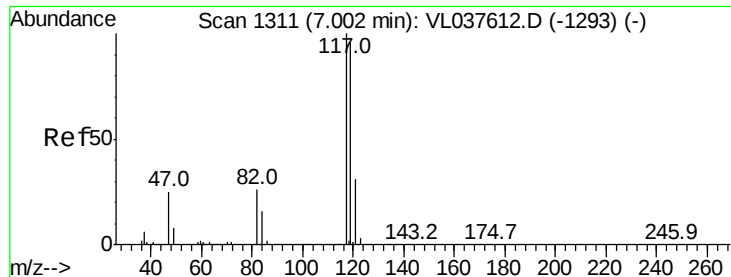
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#34
 2-Butanone
 Concen: 9.172 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.4	26.0





#35

Carbon Tetrachloride

Concen: 9.583 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 2829790

Ion Ratio Lower Upper

117 100

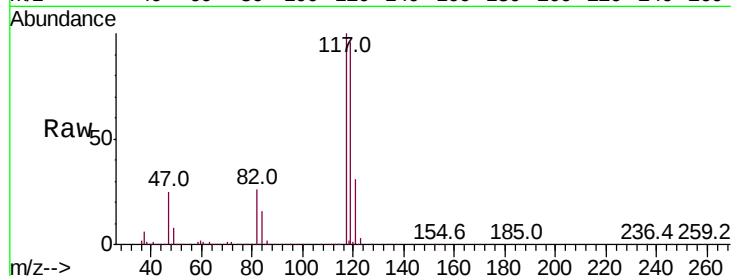
119 96.3 77.3 115.9

121 30.6 25.2 37.8

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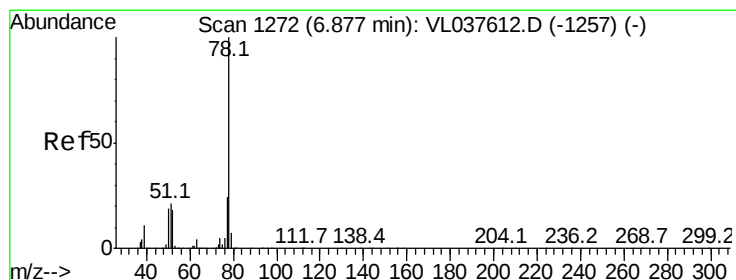
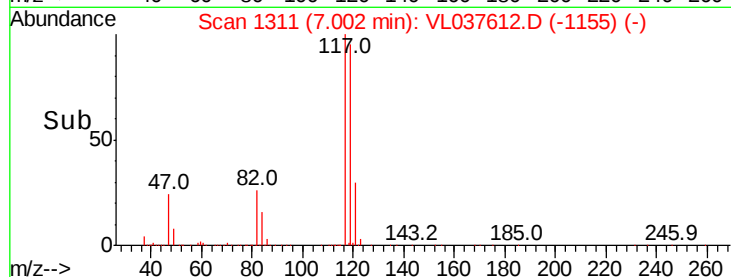
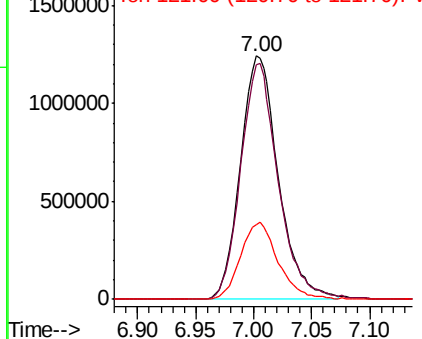
9/20/2021 5:26:35 PM



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: 9.767 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

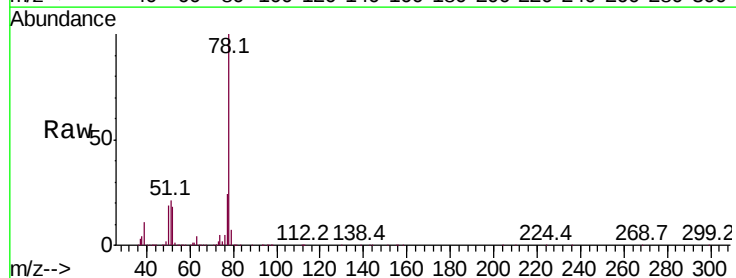
Tgt Ion: 78 Resp: 4102366

Ion Ratio Lower Upper

78 100

77 23.7 18.2 27.4

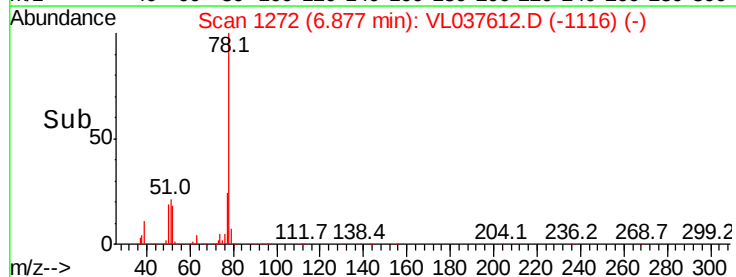
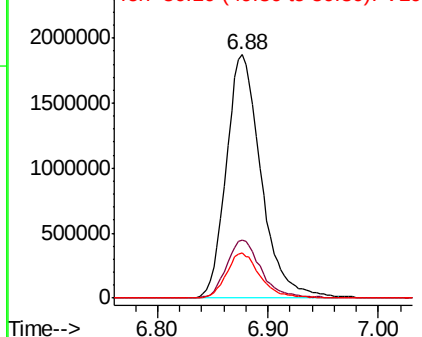
50 18.5 14.6 21.8

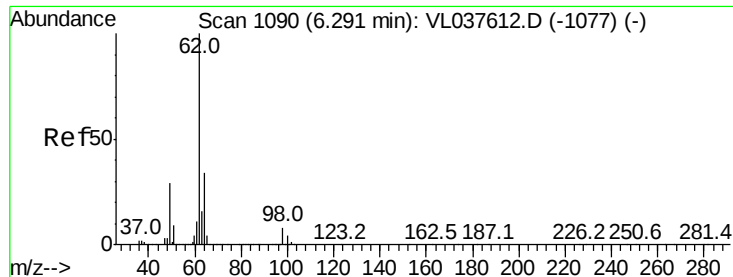


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





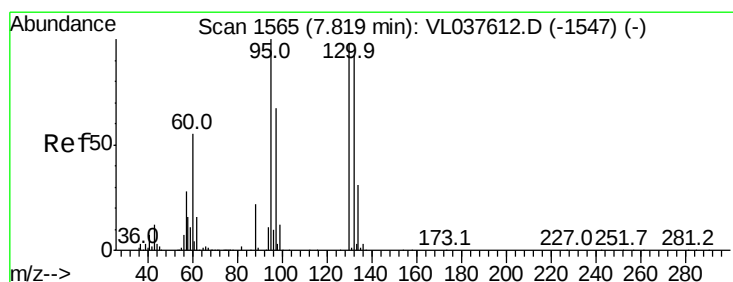
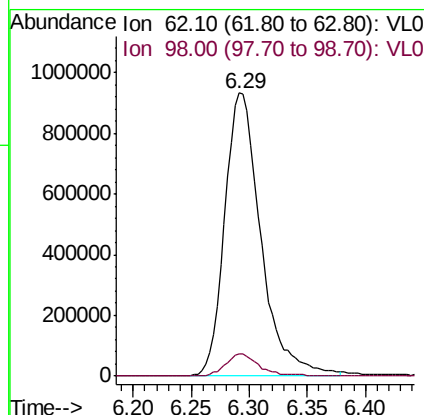
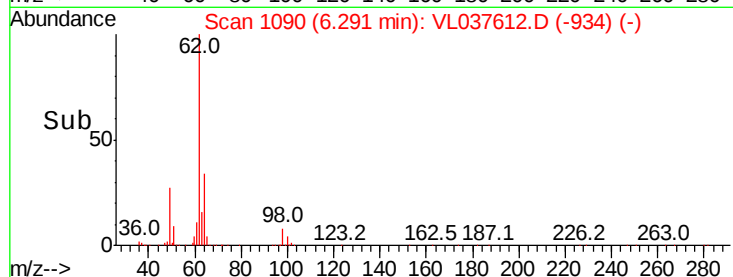
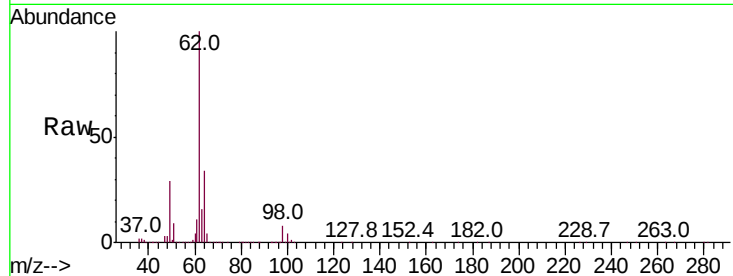
#37
 1,2-Dichloroethane
 Concen: 9.661 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 62 Resp: 2010073
 Ion Ratio Lower Upper
 62 100
 98 7.6 6.0 9.0

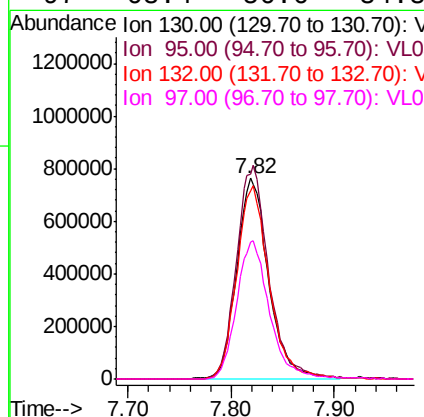
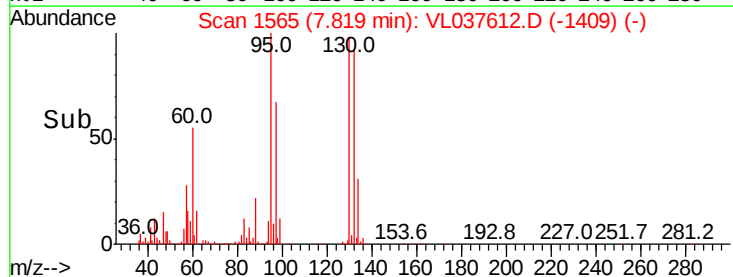
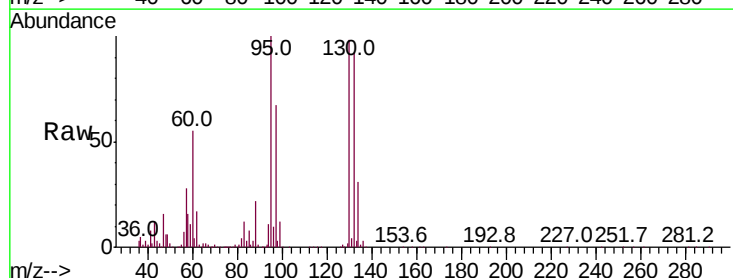
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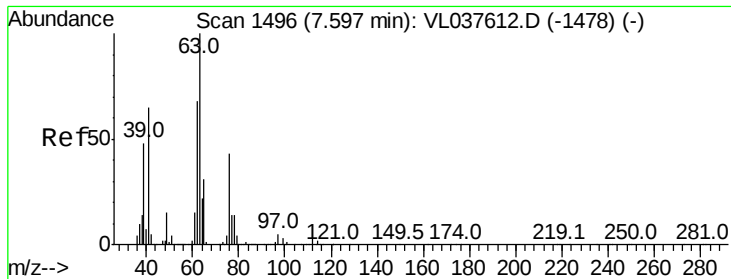
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#38
 Trichloroethene
 Concen: 9.540 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Tgt Ion: 130 Resp: 1644093
 Ion Ratio Lower Upper
 130 100
 95 102.2 89.2 133.8
 132 94.1 74.0 111.0
 97 68.4 56.6 84.8





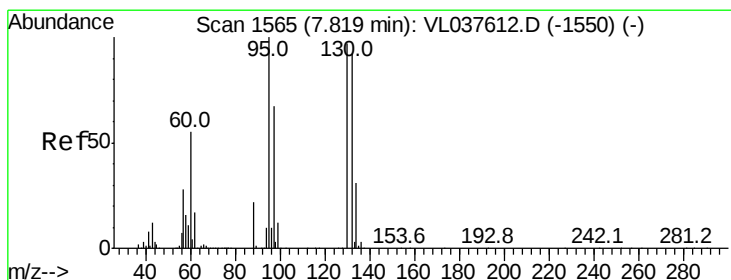
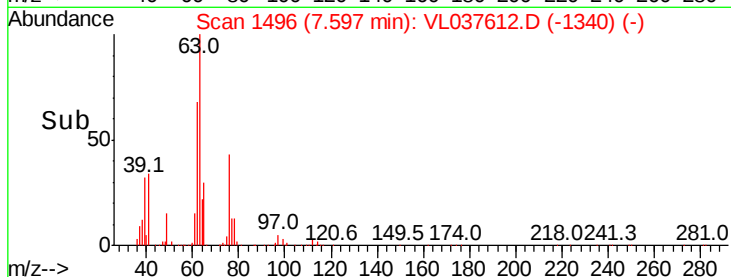
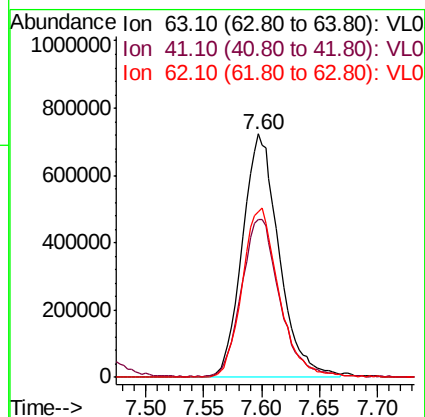
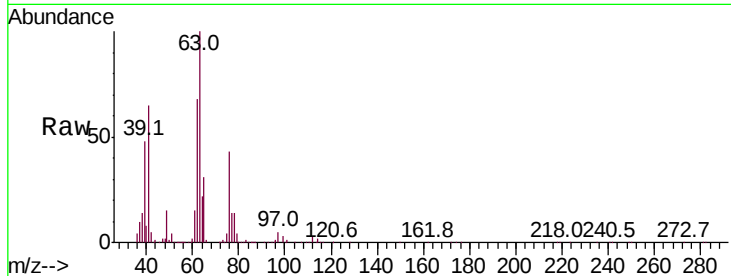
#39
 1,2-Dichloropropane
 Concen: 9.845 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	64.5	52.4	78.6
62	68.2	53.6	80.4

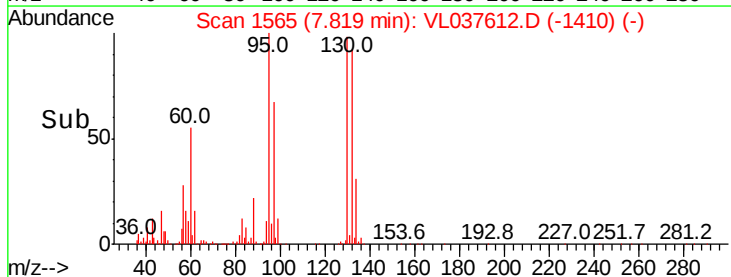
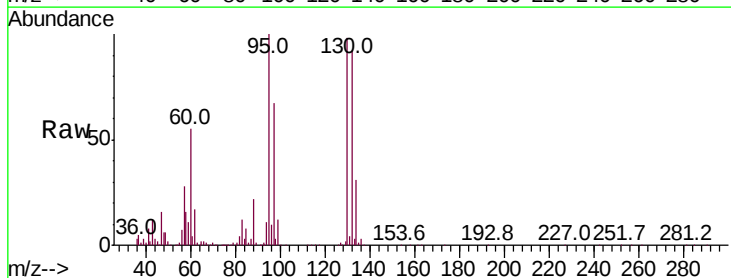
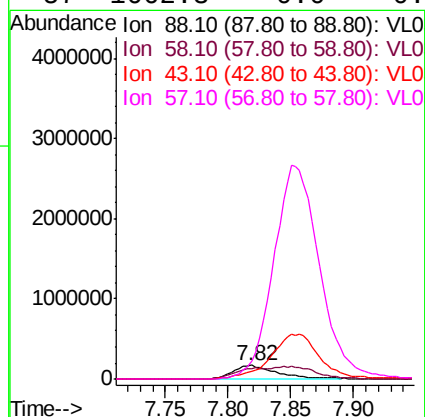
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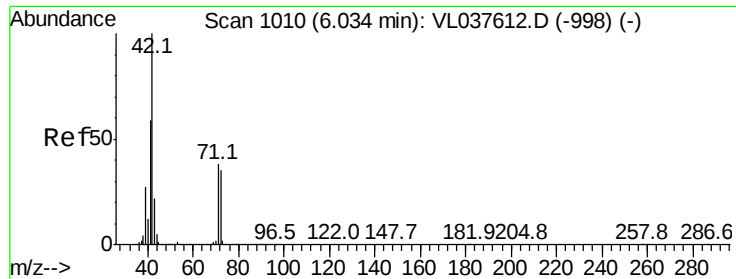
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#40
 1,4-Dioxane
 Concen: 10.441 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Tgt Ion	Ratio	Lower	Upper
88	100		
58	153.0	0.0	0.0#
43	371.7	0.0	0.0#
57	1662.3	0.0	0.0#





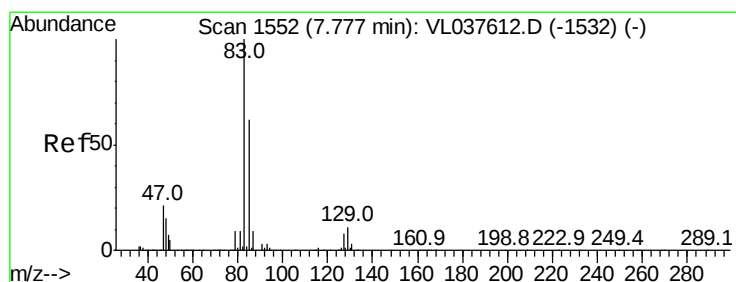
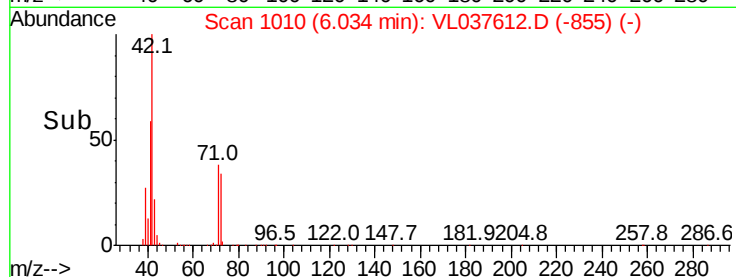
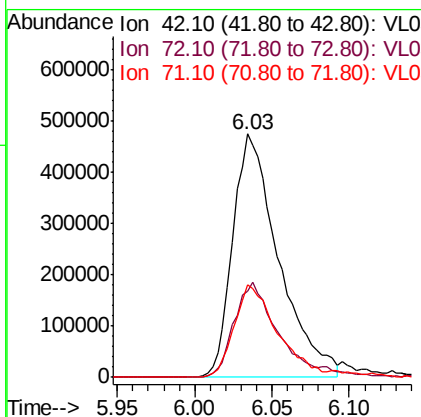
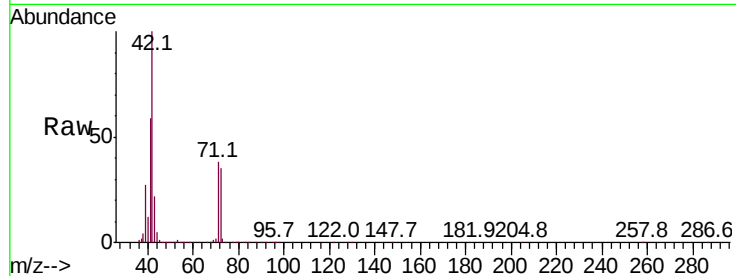
#41
Tetrahydrofuran
Concen: 9.939 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	32.2	48.4
71	38.3	30.5	45.7

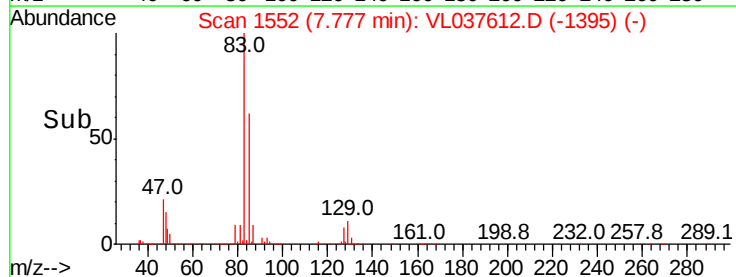
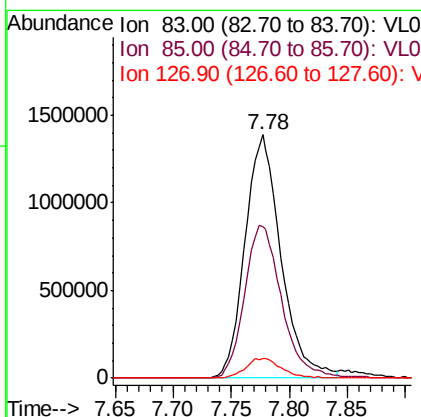
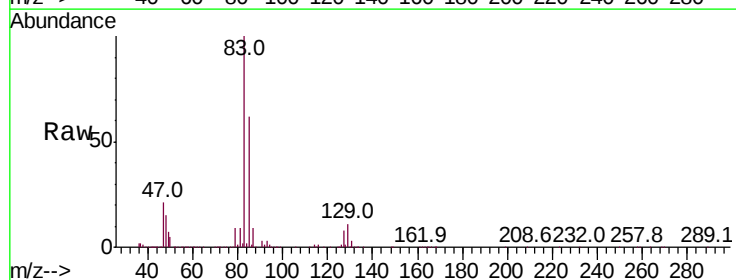
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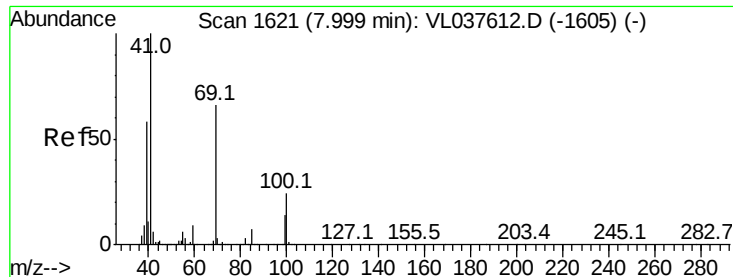
MMDadoda
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#42
Bromodichloromethane
Concen: 9.887 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. 0.01 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.5	74.3
127	8.0	6.3	9.5





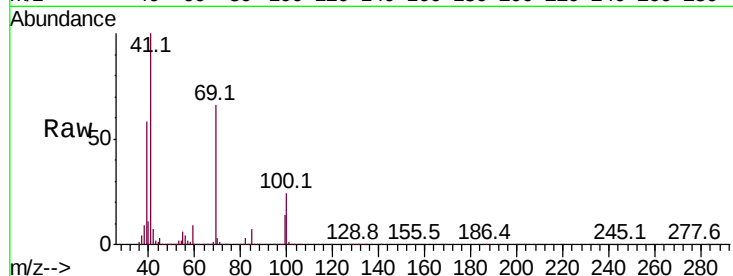
#43
Methyl Methacrylate
Concen: 10.246 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

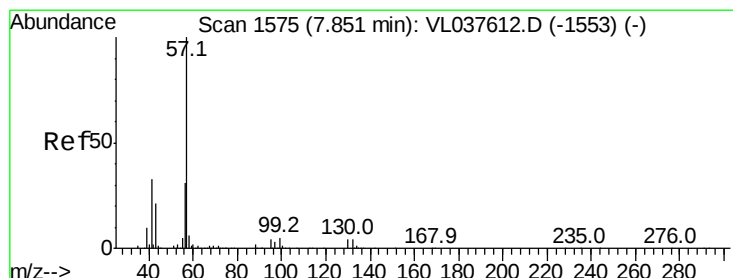
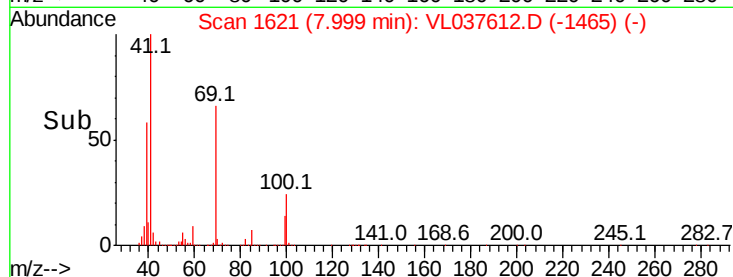
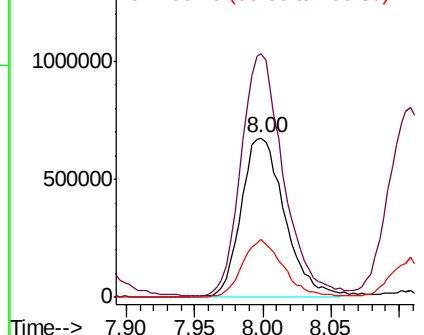
Tot Ion: 69 Resp: 1499859
Ion Ratio Lower Upper
69 100
41 148.7 118.6 178.0
100 34.5 27.4 41.0

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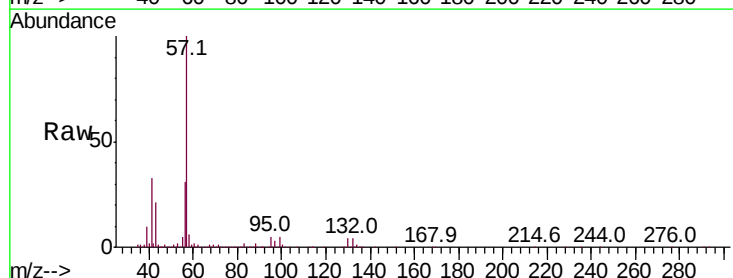


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

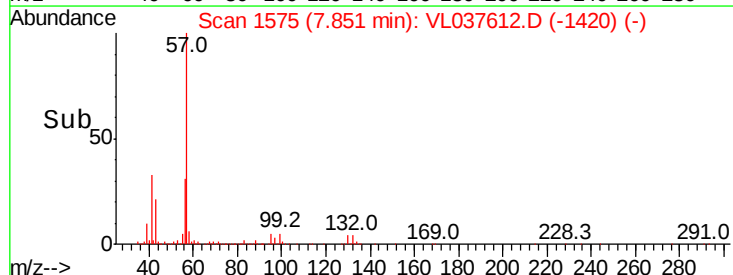
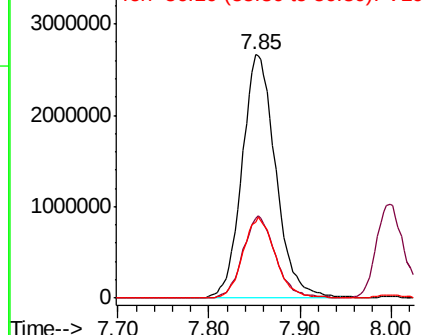


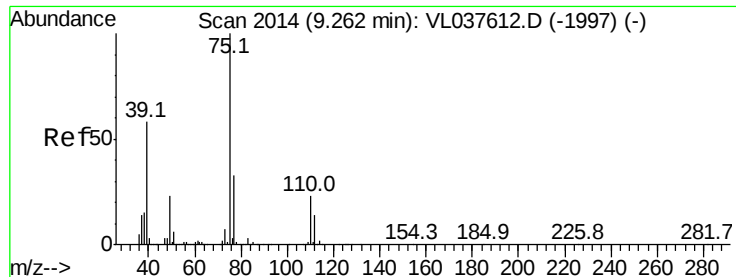
#44
2,2,4-Trimethylpentane
Concen: 9.677 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Tgt Ion: 57 Resp: 6840392
Ion Ratio Lower Upper
57 100
41 32.6 26.2 39.4
56 32.1 25.4 38.2



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





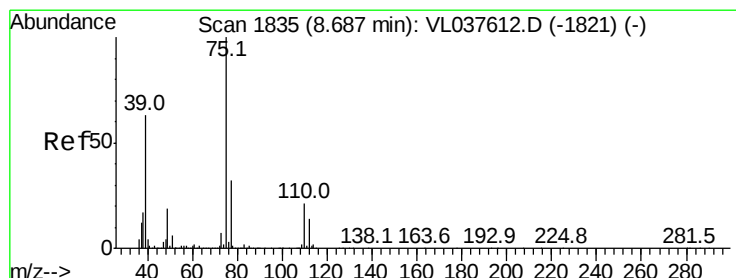
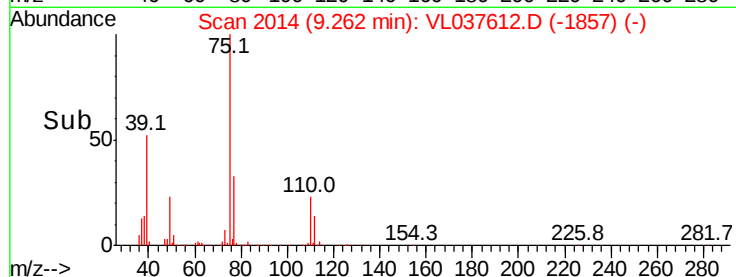
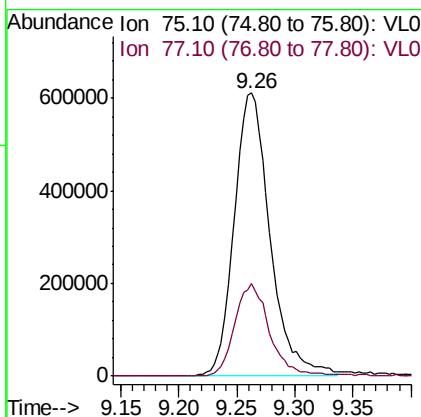
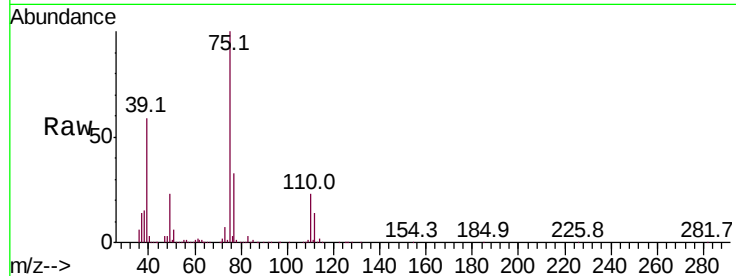
#45
 t-1,3-Dichloropropene
 Concen: 11.895 ppbv
 RT: 9.26 min Scan# 2014
 Delta R.T. 0.01 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 75 Resp: 1310869
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.5 36.7

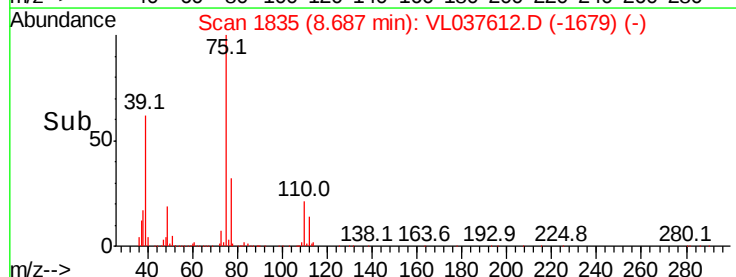
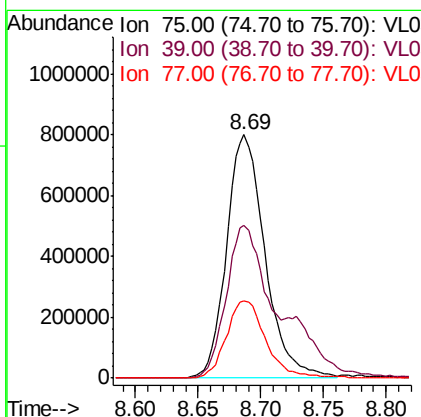
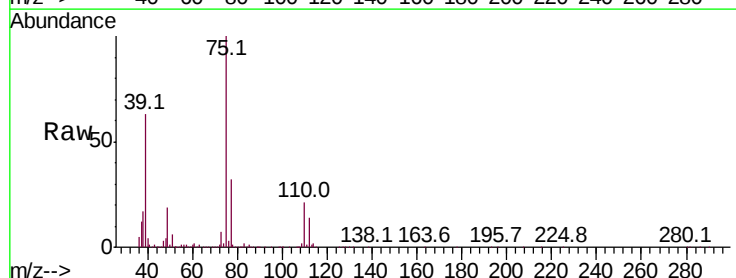
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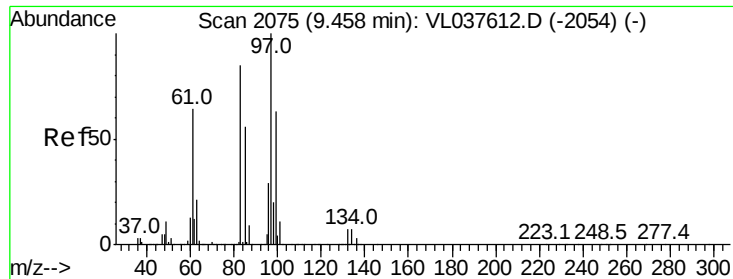
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#46
 cis-1,3-Dichloropropene
 Concen: 11.021 ppbv
 RT: 8.69 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Tgt Ion: 75 Resp: 1694224
 Ion Ratio Lower Upper
 75 100
 39 62.8 49.7 74.5
 77 31.5 25.4 38.0





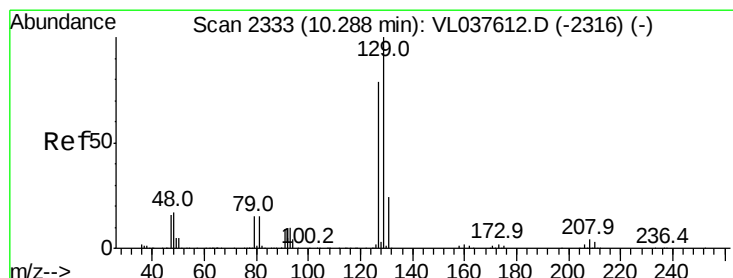
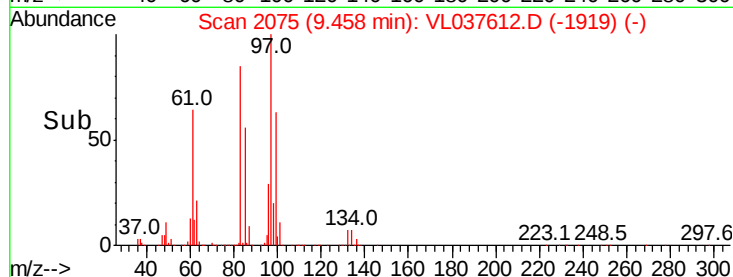
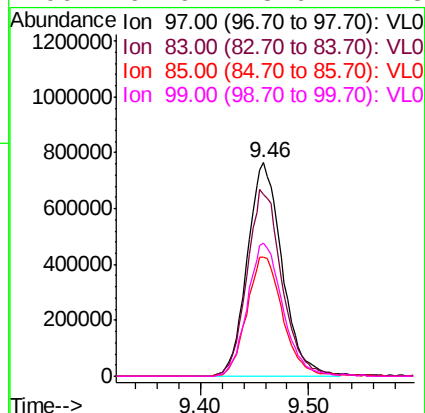
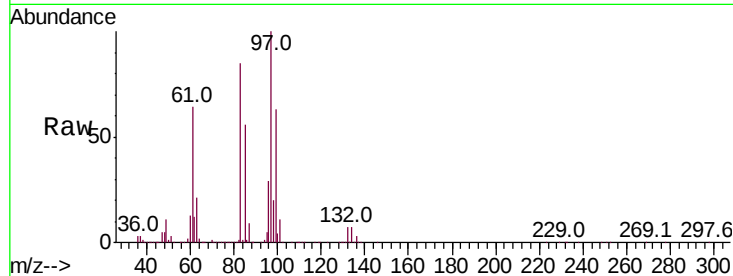
#47
 1,1,2-Trichloroethane
 Concen: 9.832 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.9	68.7	103.1
85	56.0	44.7	67.1
99	62.6	48.6	72.8

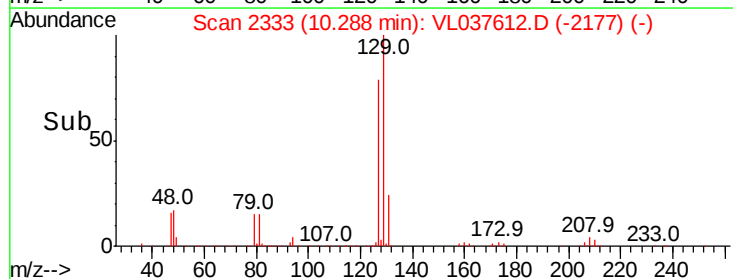
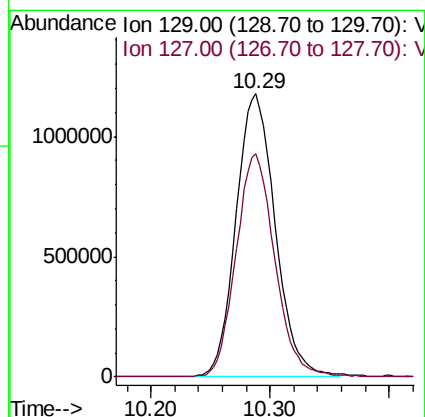
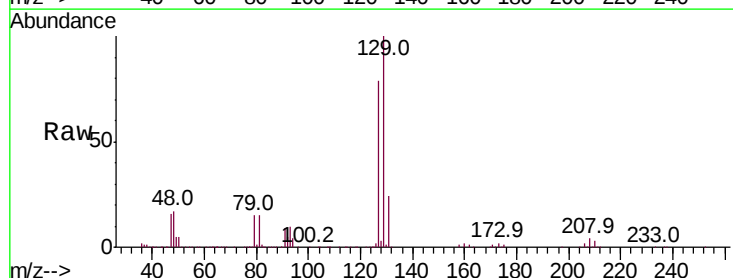
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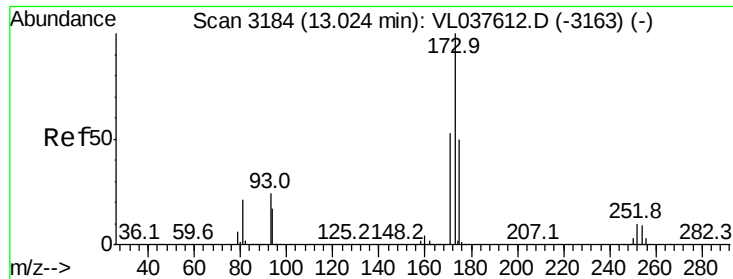
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#48
 Dibromochloromethane
 Concen: 10.713 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	40.0	120.0





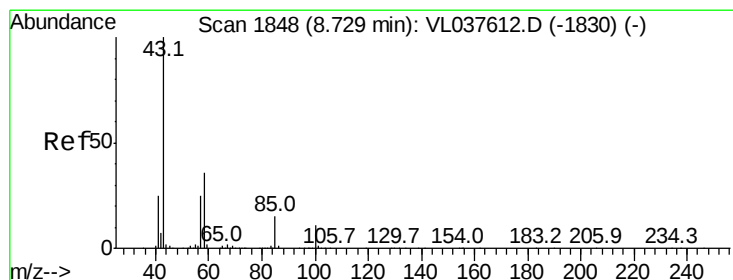
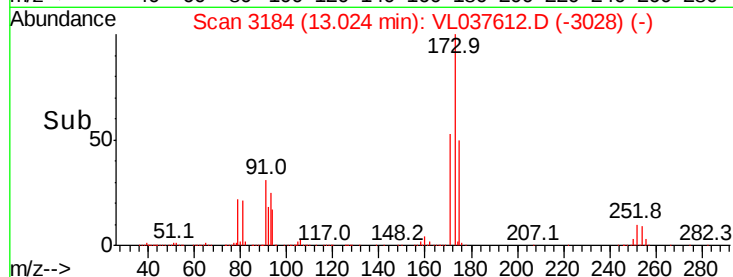
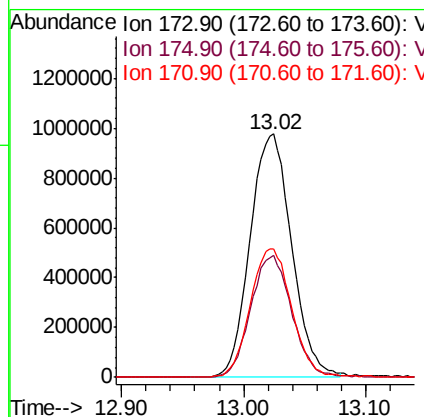
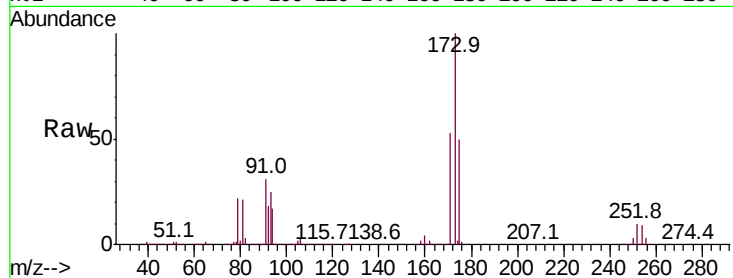
#49
Bromoform
Concen: 11.606 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	41.9	62.9
171	52.8	44.2	66.4

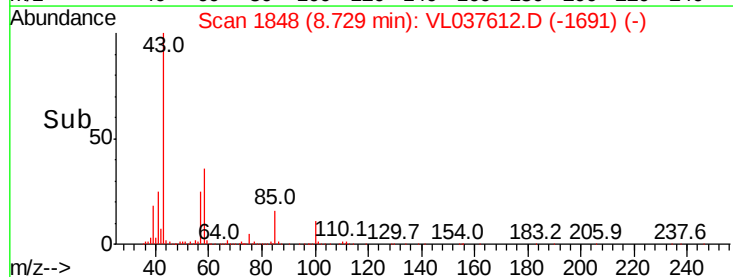
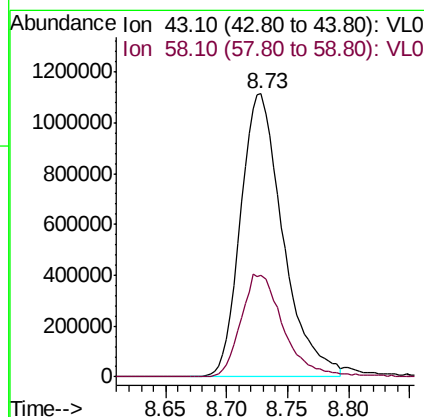
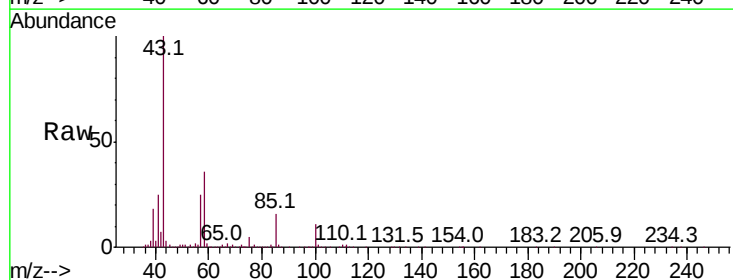
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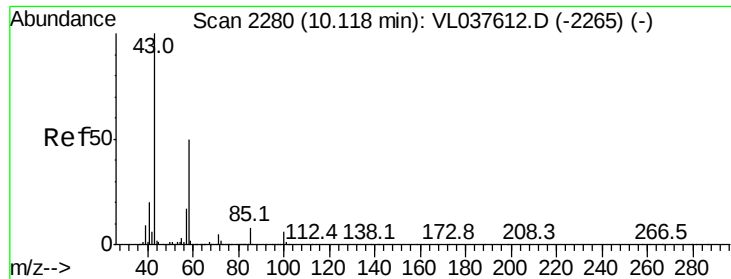
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#50
4-Methyl-2-Pentanone
Concen: 10.055 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. 0.01 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.9	44.9





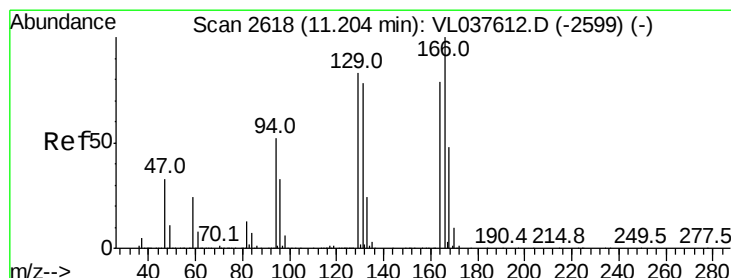
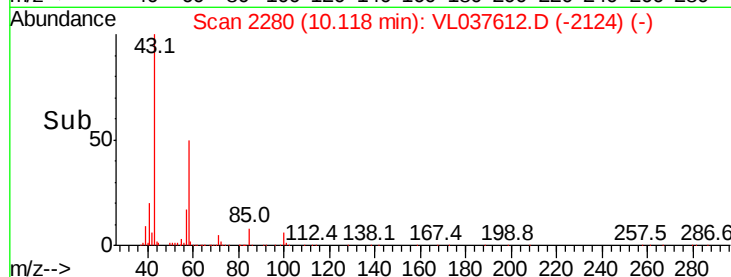
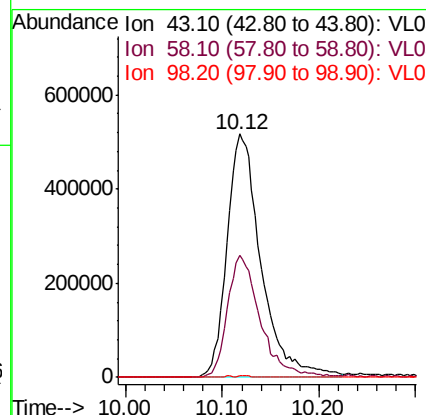
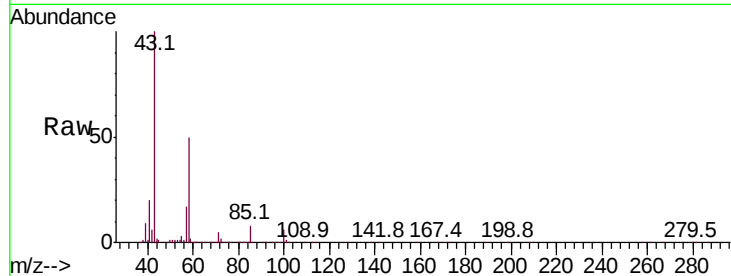
#51
2-Hexanone
Concen: 10.315 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1262879
Ion Ratio Lower Upper
43 100
58 49.1 41.0 61.6
98 0.5 0.3 0.5#

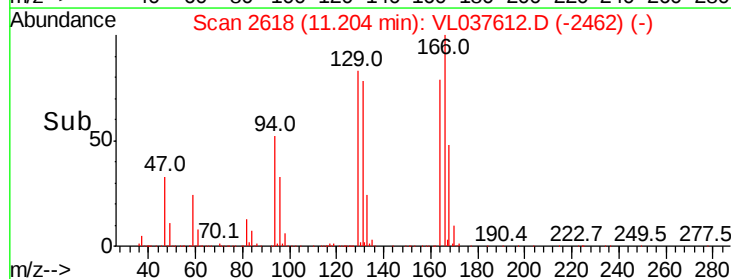
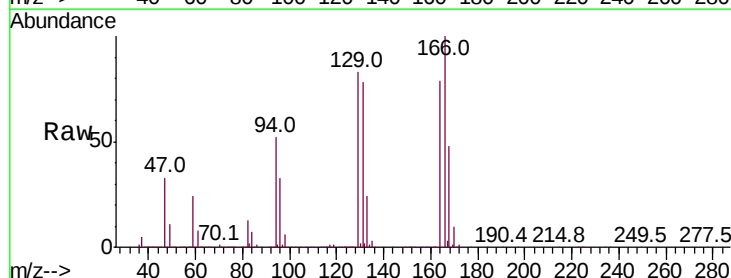
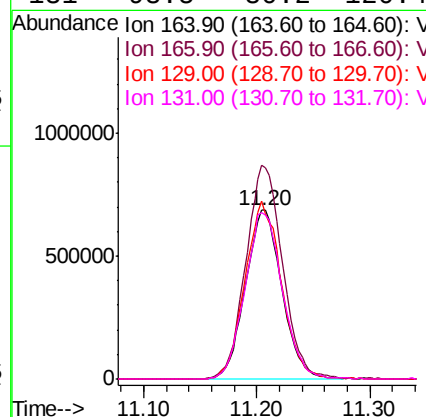
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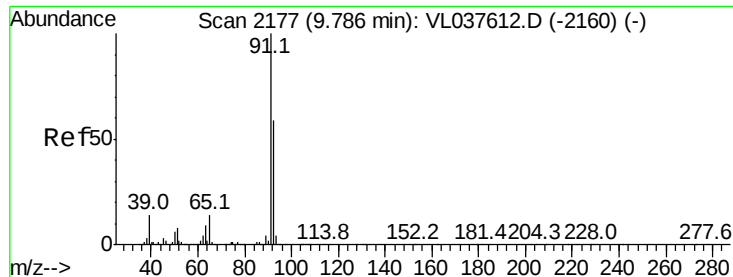
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#52
Tetrachloroethene
Concen: 8.936 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Tgt Ion: 164 Resp: 1538036
Ion Ratio Lower Upper
164 100
166 126.5 100.7 151.1
129 105.0 80.9 121.3
131 98.5 80.2 120.4





#53

Toluene

Concen: 9.992 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 4792119

Ion Ratio Lower Upper

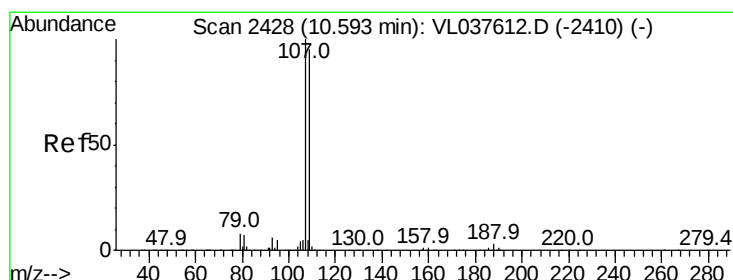
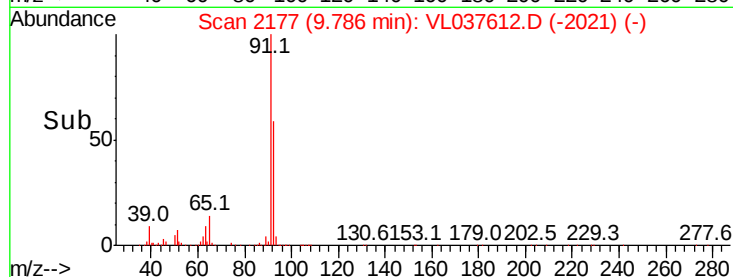
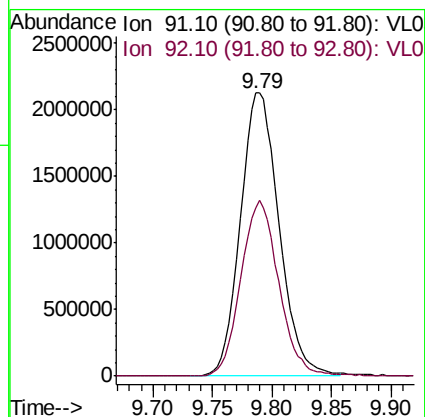
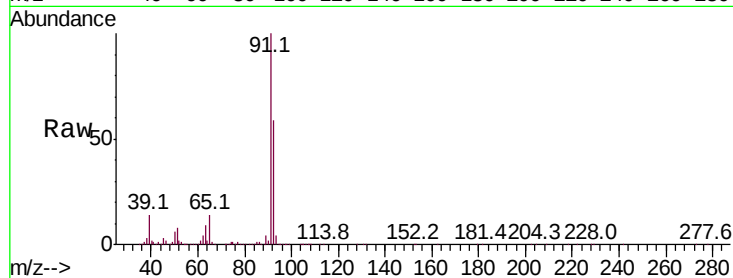
91 100

92 61.1 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 10.059 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL037612.D

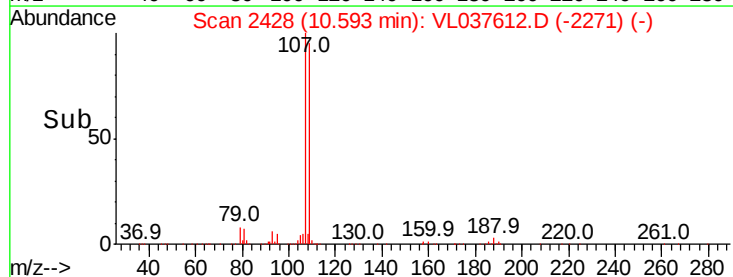
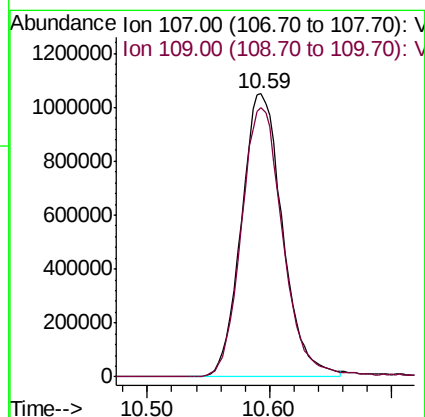
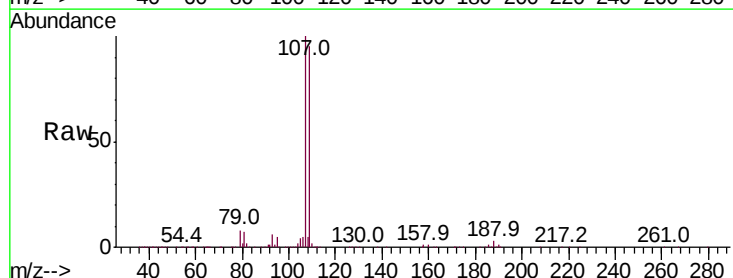
Acq: 16 Sep 2021 10:03

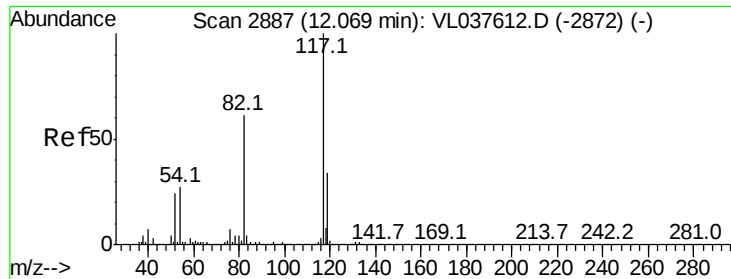
Tgt Ion: 107 Resp: 2449001

Ion Ratio Lower Upper

107 100

109 95.0 74.2 111.4





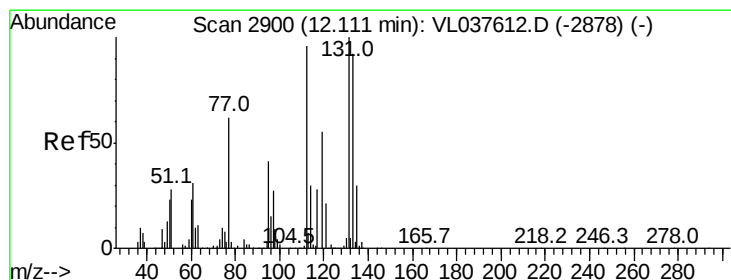
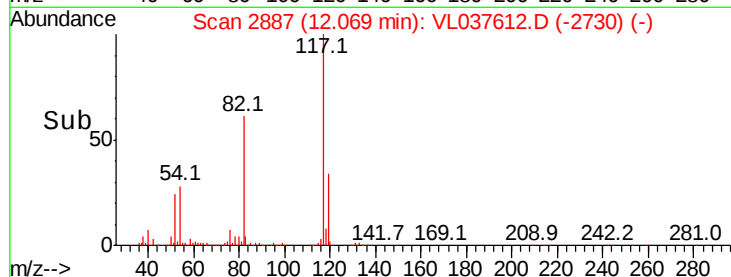
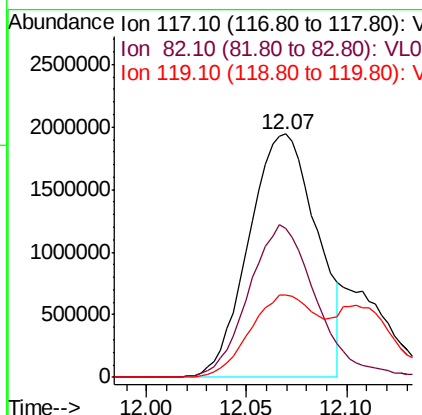
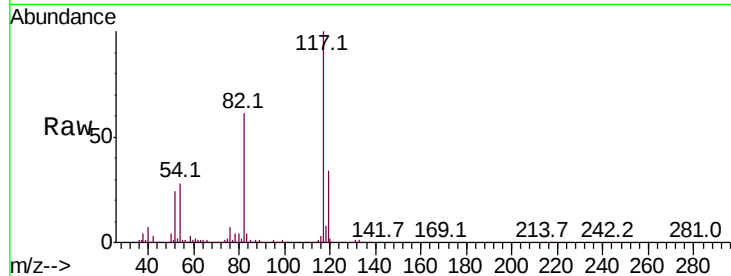
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 4543326
Ion Ratio Lower Upper
117 100
82 63.2 52.9 79.3
119 32.7 24.8 37.2

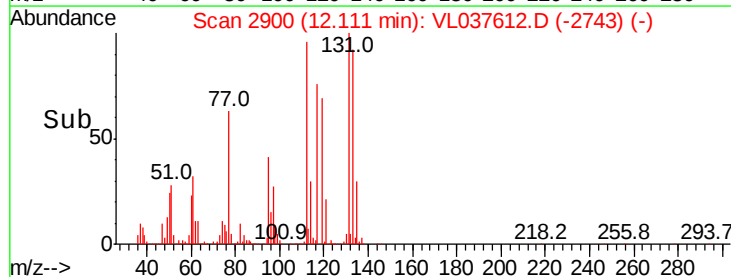
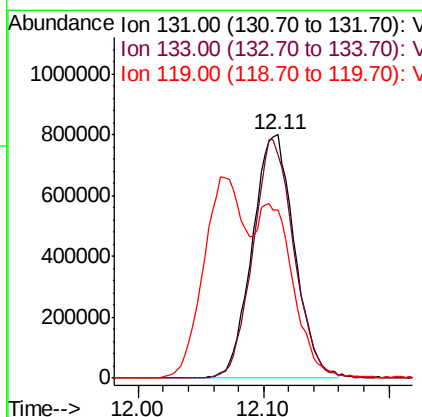
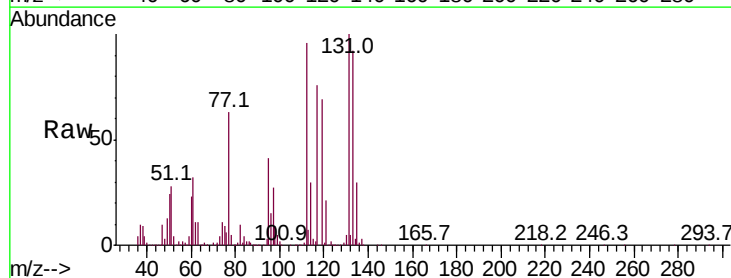
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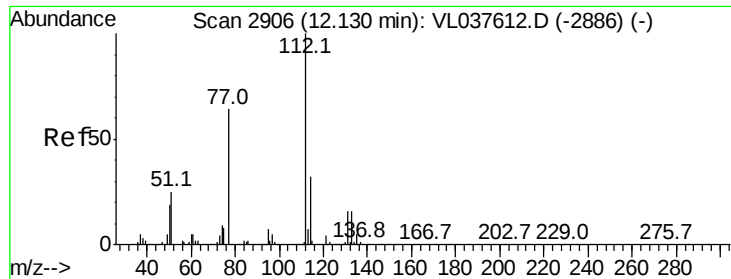
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.870 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.01 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Tgt Ion:131 Resp: 1868475
Ion Ratio Lower Upper
131 100
133 96.0 78.7 118.1
119 59.8 56.6 85.0





#57

Chlorobenzene

Concen: 9.608 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 112 Resp: 3622441

Ion Ratio Lower Upper

112 100

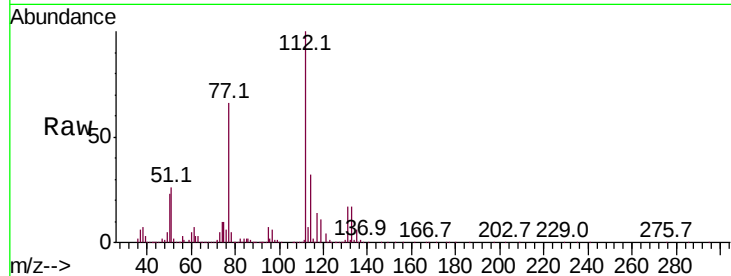
77 65.1 51.6 77.4

114 32.4 30.7 37.5

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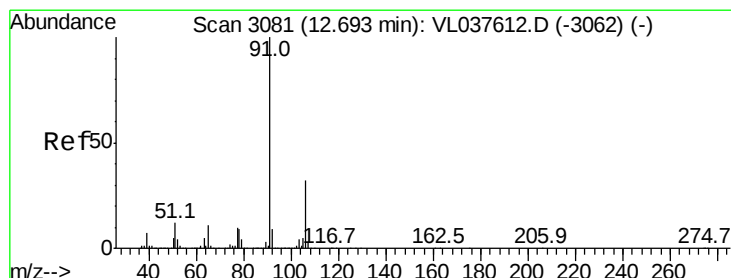
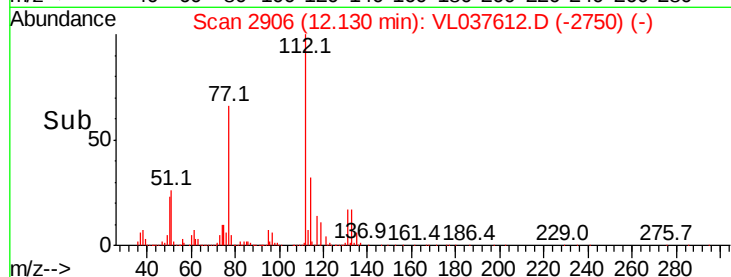
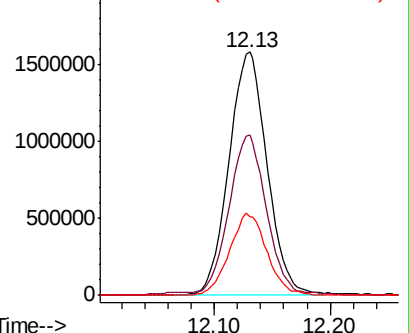
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.943 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VL037612.D

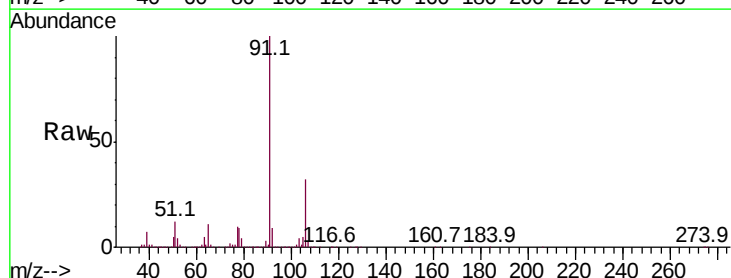
Acq: 16 Sep 2021 10:03

Tgt Ion: 91 Resp: 6268831

Ion Ratio Lower Upper

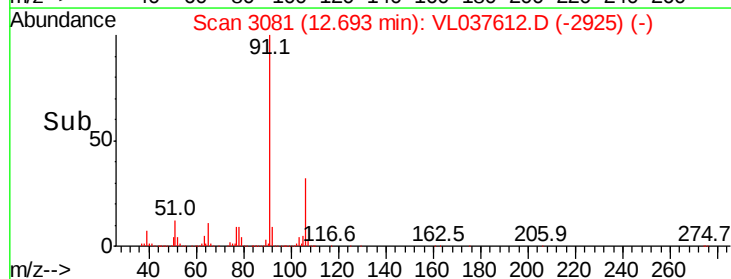
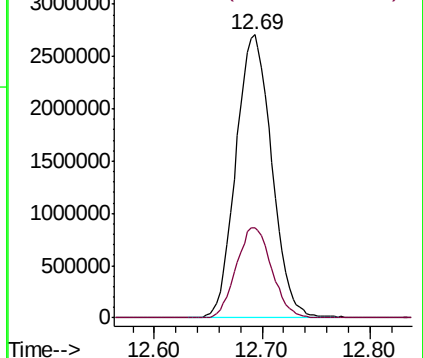
91 100

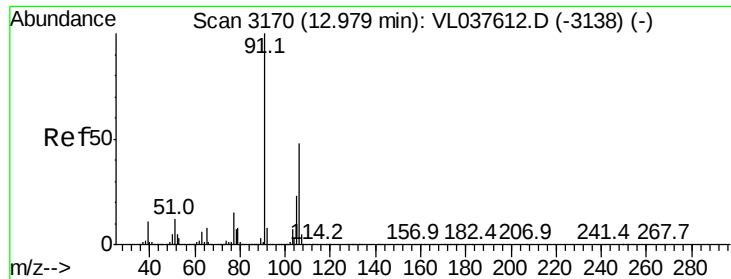
106 31.6 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





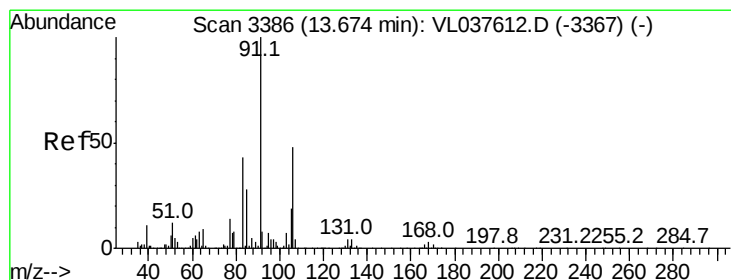
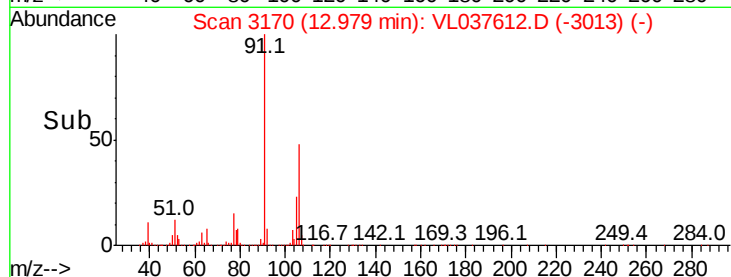
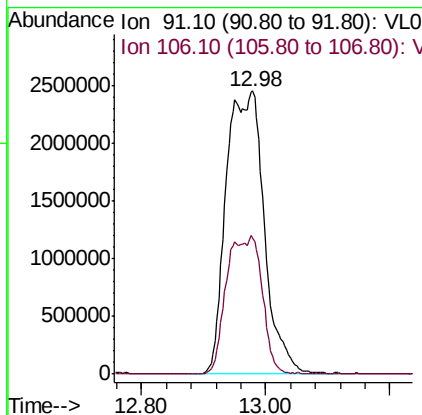
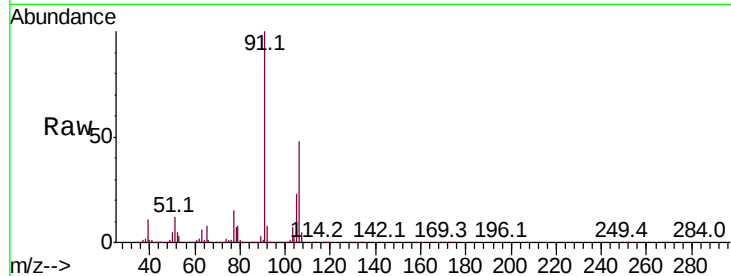
#59
m/p-Xylene
Concen: 19.123 ppbv m
RT: 12.98 min Scan# 3170
Delta R.T. 0.01 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp:10452630
Ion Ratio Lower Upper
91 100
106 45.8 36.9 55.3

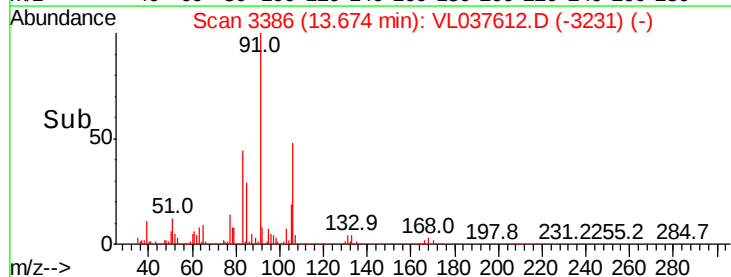
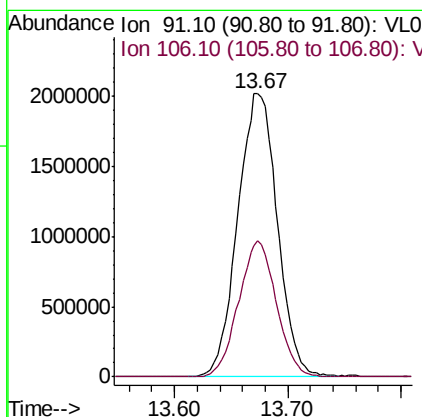
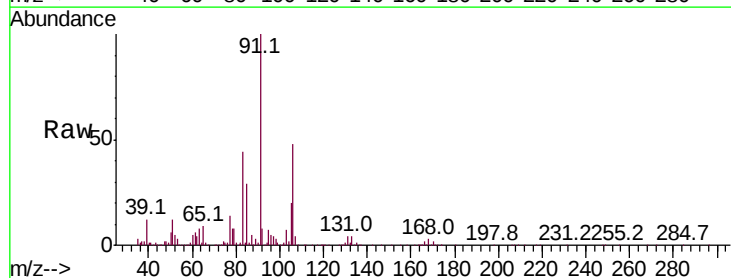
Manual Integrations
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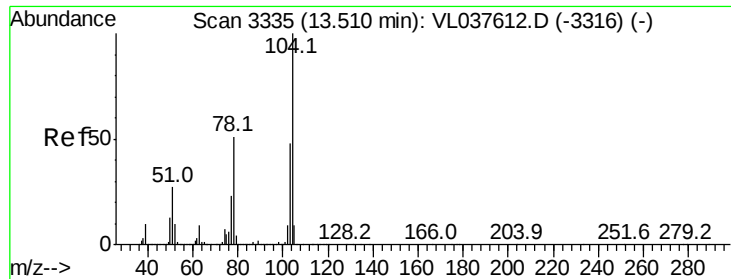
MMDadoda
9/20/2021 5:26:35 PM



#60
o-Xylene
Concen: 9.629 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Tgt Ion: 91 Resp: 4912419
Ion Ratio Lower Upper
91 100
106 46.0 23.7 71.1





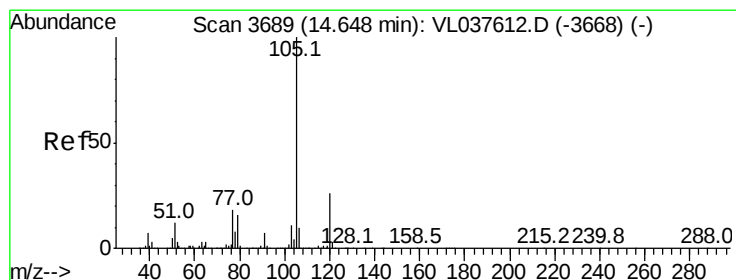
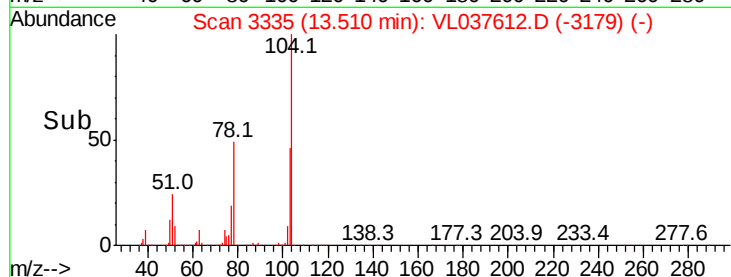
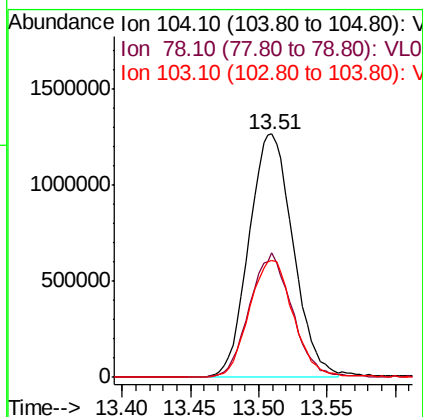
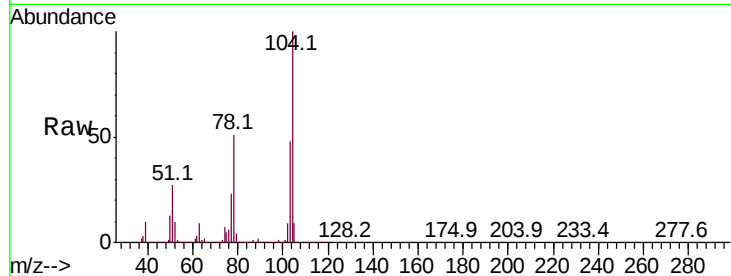
#61
Stvrene
Concen: 10.727 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.6	41.3	61.9
103	48.5	39.4	59.0

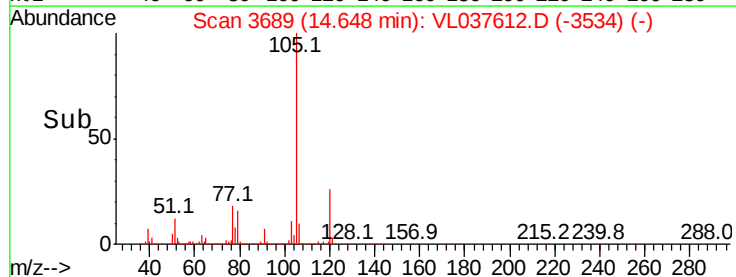
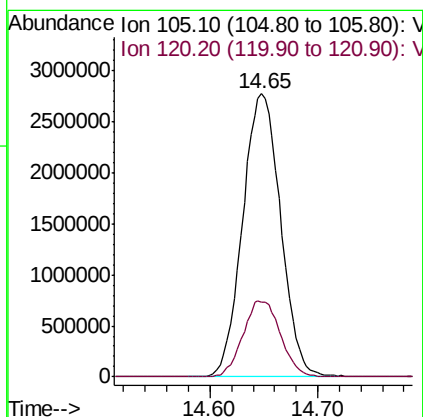
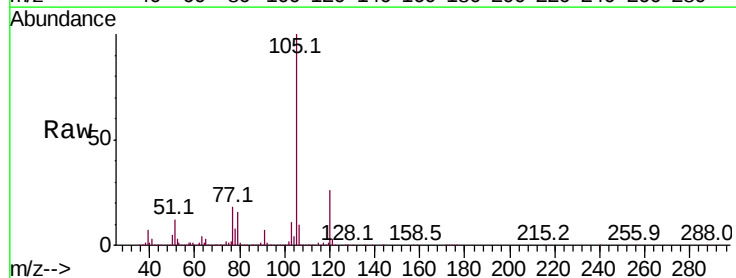
Manual Integrations
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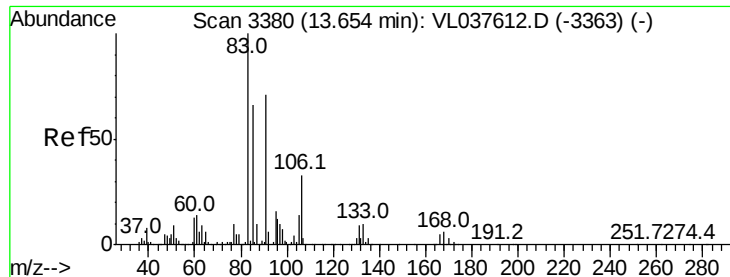
MMDadoda
9/20/2021 5:26:35 PM



#62
Isopropylbenzene
Concen: 9.442 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. -0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.5	32.3





#63

1,1,2,2-Tetrachloroethane

Concen: 9.229 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 3499174

Ion Ratio Lower Upper

83 100

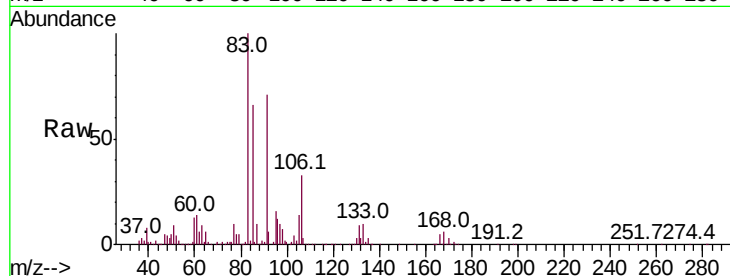
131 10.2 5.0 15.0

85 66.6 33.8 101.3

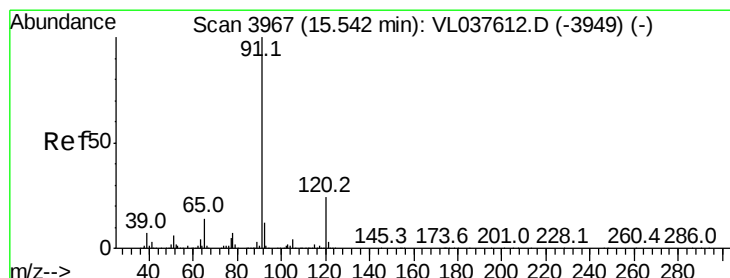
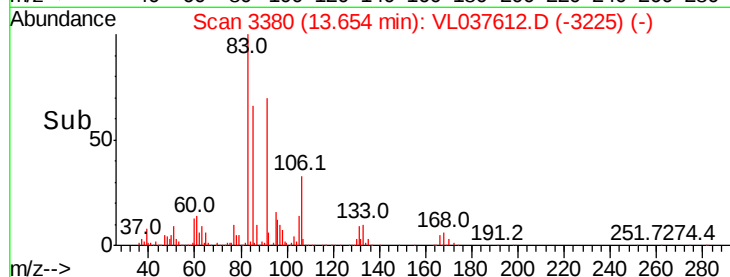
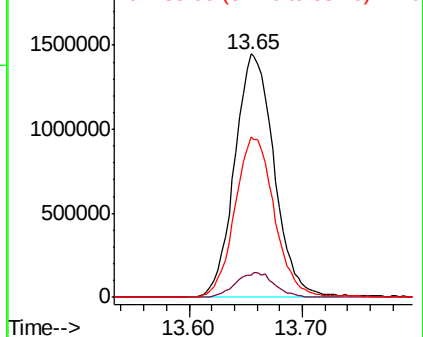
Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.176 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

Lab File: VL037612.D

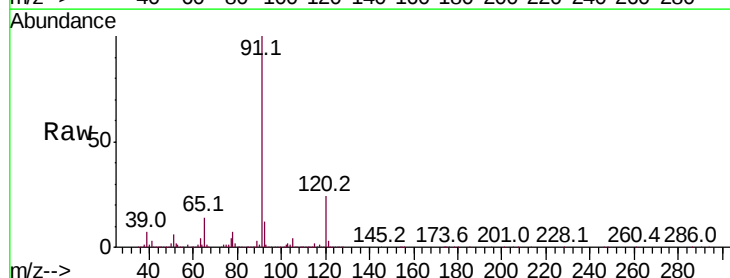
Acq: 16 Sep 2021 10:03

Tgt Ion:120 Resp: 1864628

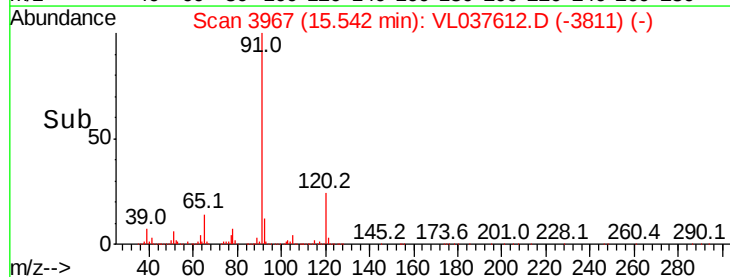
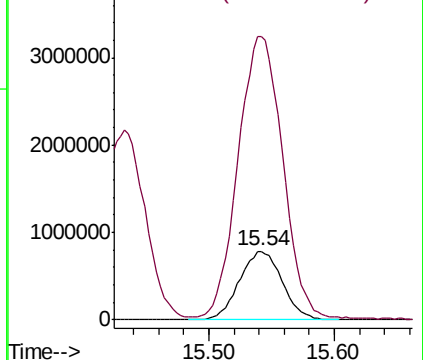
Ion Ratio Lower Upper

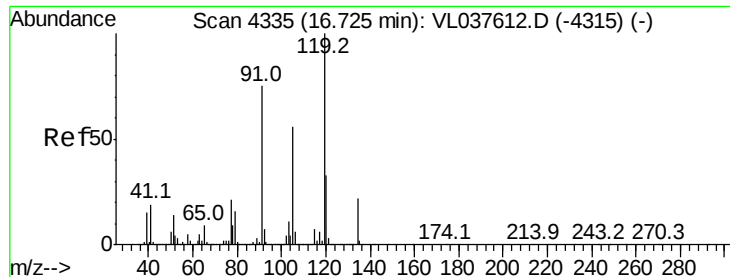
120 100

91 431.2 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.038 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. -0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:119 Resp: 5926380

Ion Ratio Lower Upper

119 100

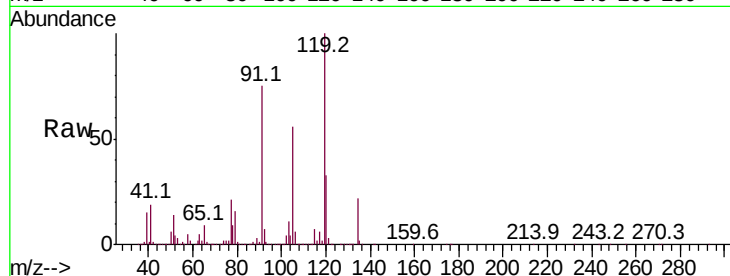
91 77.4 62.9 94.3

134 20.6 16.4 24.6

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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

3000000

2500000

2000000

1500000

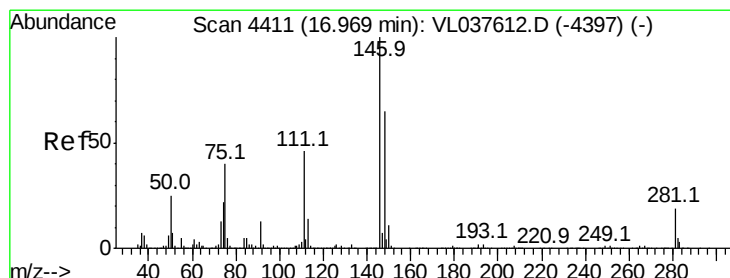
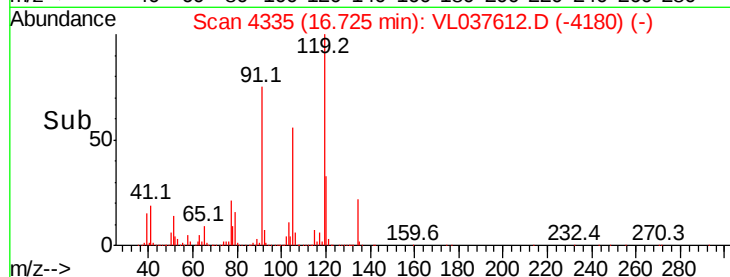
1000000

500000

0

16.60 16.70 16.80

Time-->



#66

Benzyl Chloride

Concen: 12.451 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

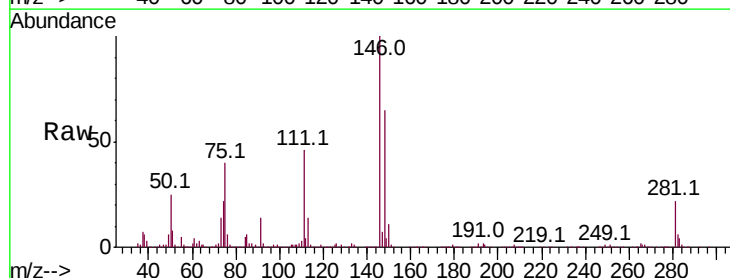
Tgt Ion: 91 Resp: 369337

Ion Ratio Lower Upper

91 100

126 18.0 15.9 23.9

128 7.1 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

200000

150000

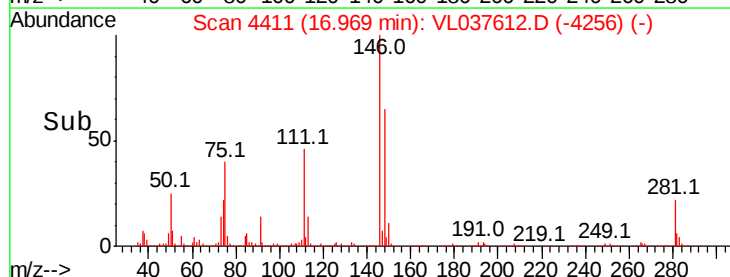
100000

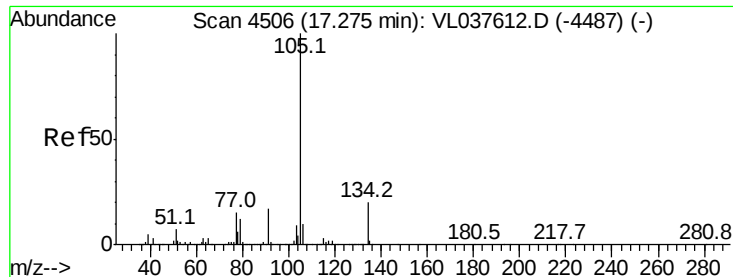
50000

0

16.90 16.95 17.00 17.05

Time-->





#67

sec-Butylbenzene

Concen: 8.940 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 8190676

Ion Ratio Lower Upper

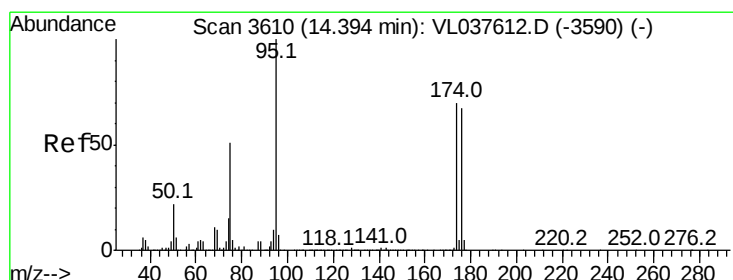
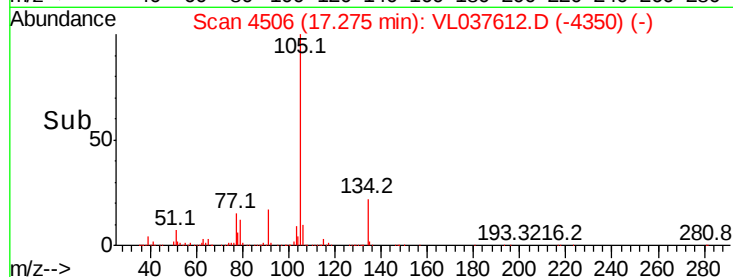
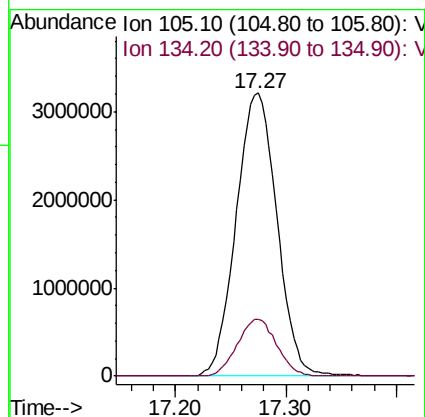
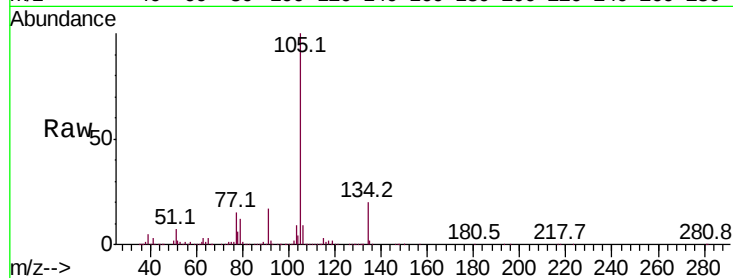
105 100

134 19.6 15.2 22.8

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.813 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

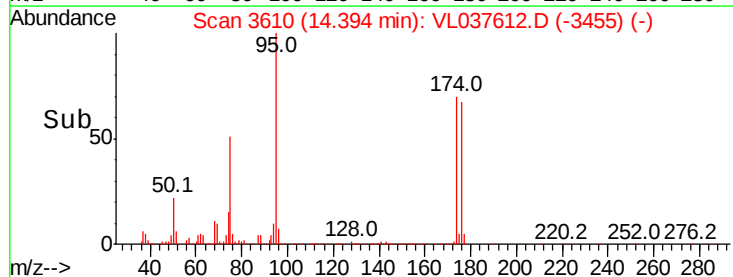
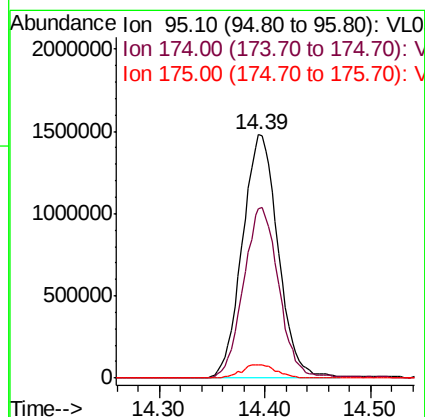
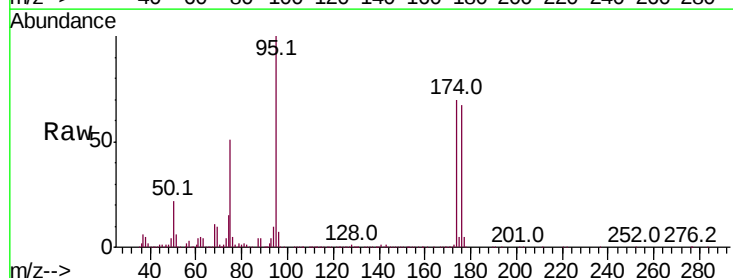
Tgt Ion: 95 Resp: 3490134

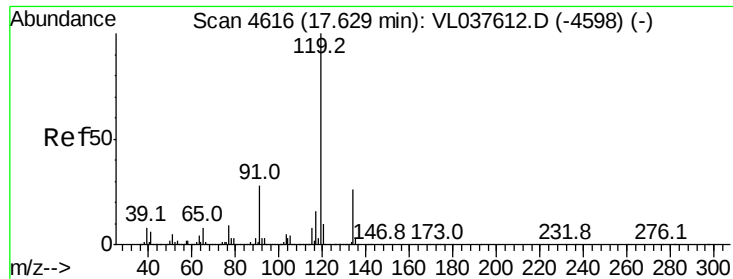
Ion Ratio Lower Upper

95 100

174 70.4 59.6 89.4

175 5.5 4.6 7.0





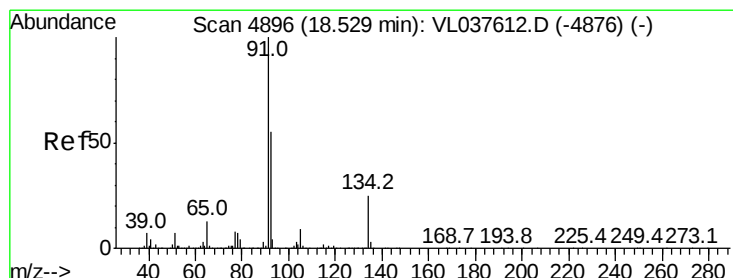
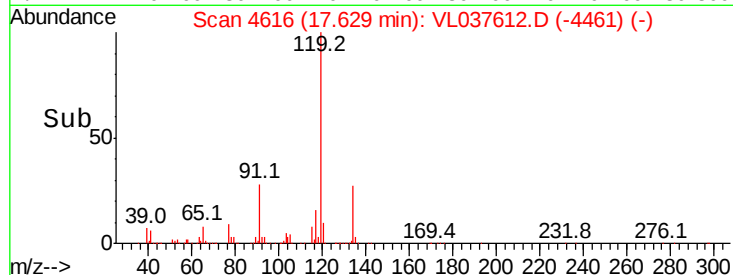
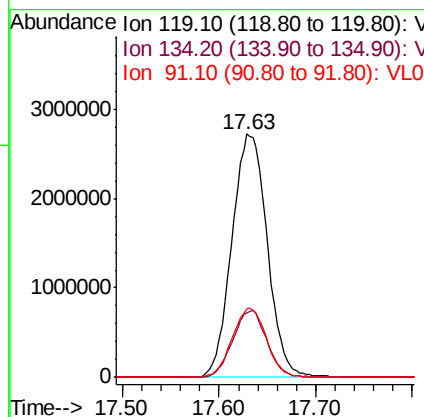
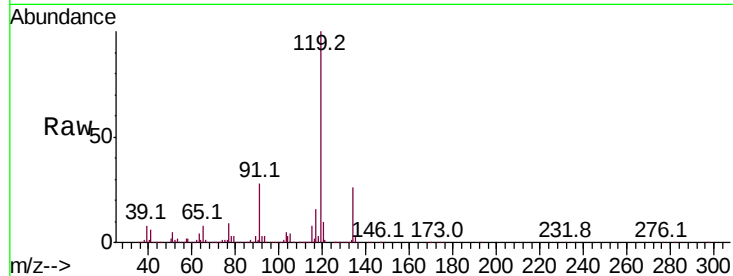
#69
 p-Isopropyltoluene
 Concen: 9.252 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:	119	Resp:	6907349
Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.1	31.7
91	27.7	22.4	33.6

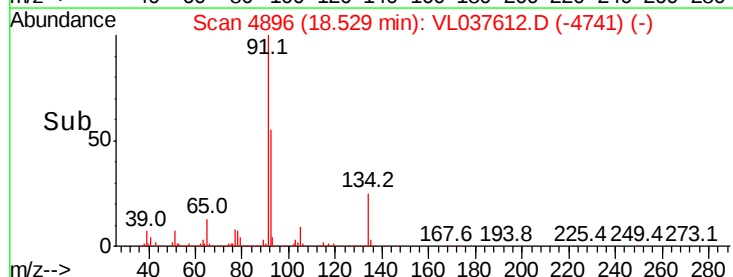
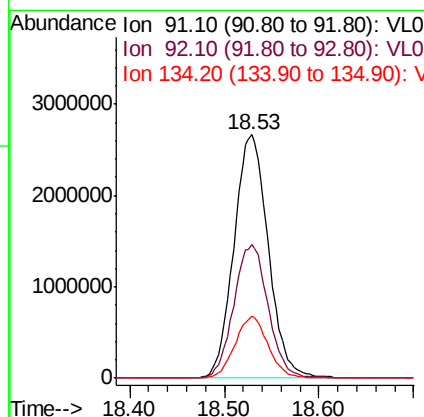
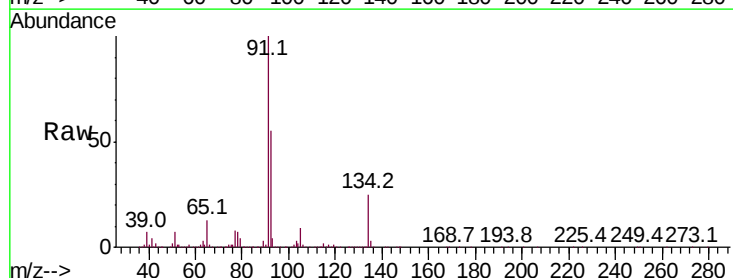
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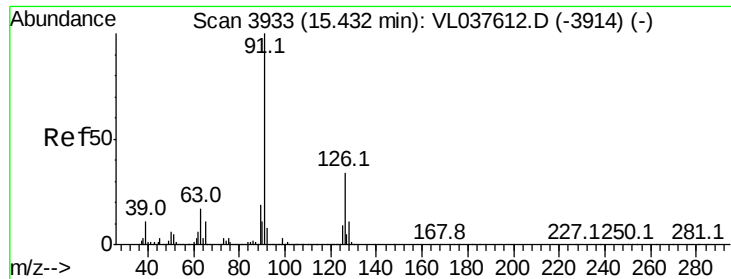
MMDadoda
 9/20/2021 5:26:35 PM



#70
 n-Butylbenzene
 Concen: 9.414 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Tgt Ion:	91	Resp:	6716891
Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.0	66.0
134	24.4	19.5	29.3





#71

2-Chlorotoluene

Concen: 9.735 ppbv

RT: 15.43 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 5139783

Ion Ratio Lower Upper

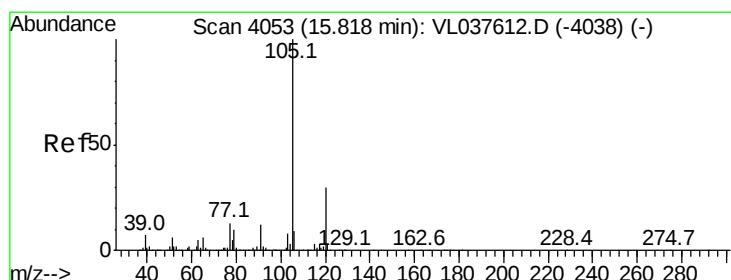
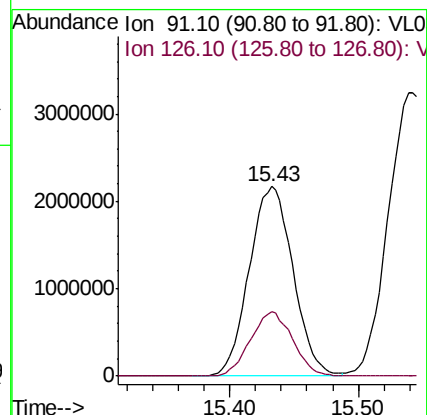
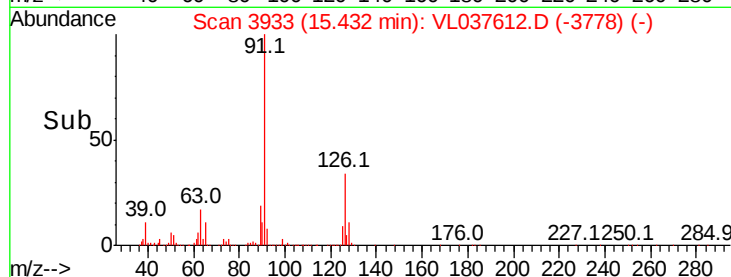
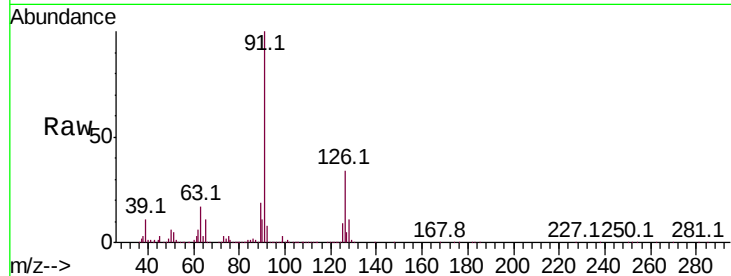
91 100

126 33.0 13.6 54.4

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#72

4-Ethyltoluene

Concen: 9.772 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. -0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Tgt Ion: 105 Resp: 5929382

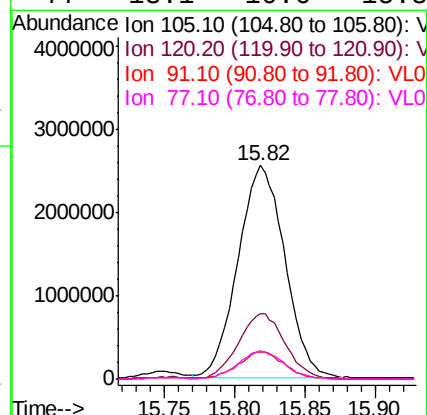
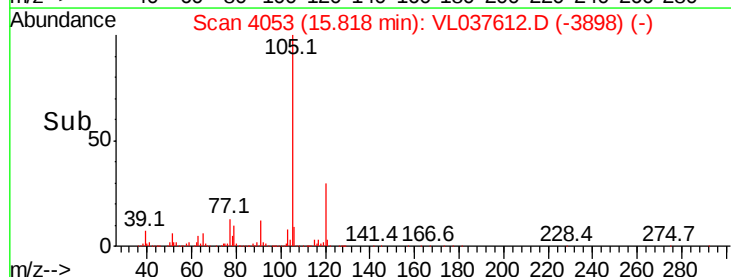
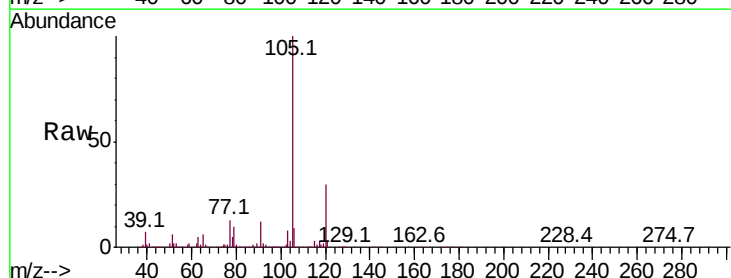
Ion Ratio Lower Upper

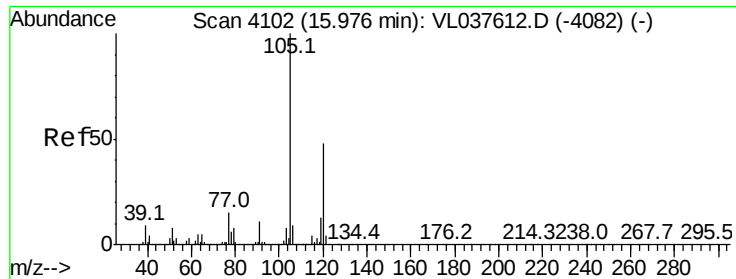
105 100

120 30.9 24.7 37.1

91 12.4 9.8 14.8

77 13.1 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 9.459 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 5342503

Ion Ratio Lower Upper

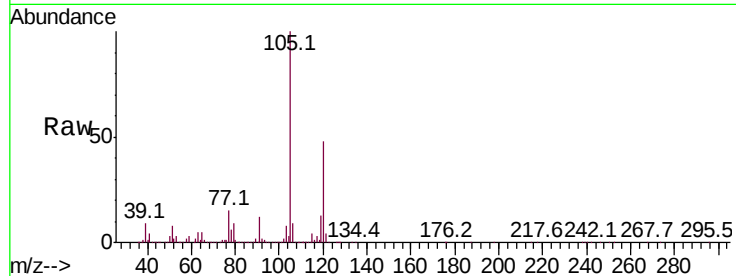
105 100

120 47.9 37.6 56.4

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.98

2500000

2000000

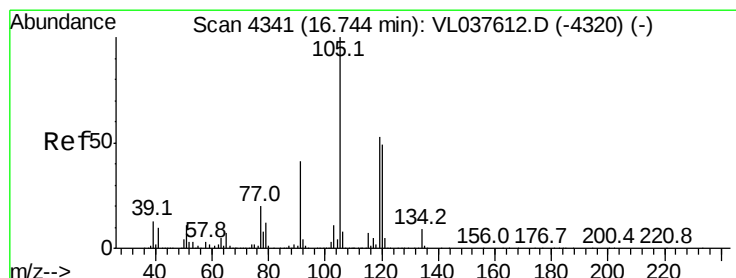
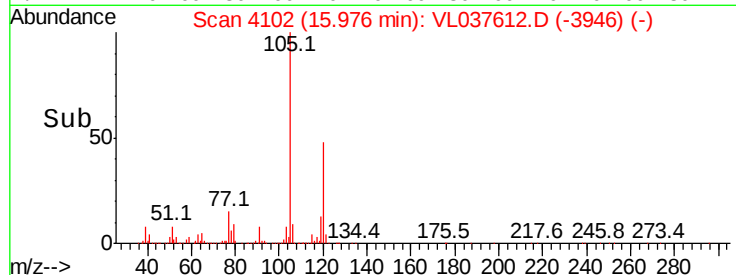
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.045 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Tgt Ion:105 Resp: 5428804

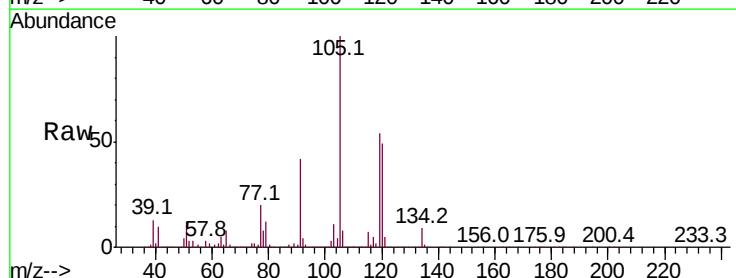
Ion Ratio Lower Upper

105 100

120 49.2 40.4 60.6

91 41.6 44.6 67.0#

77 19.6 17.8 26.6



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

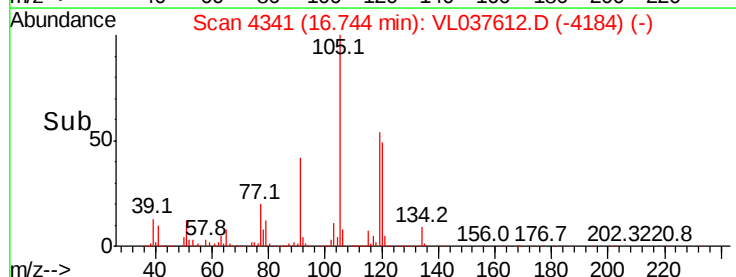
3000000

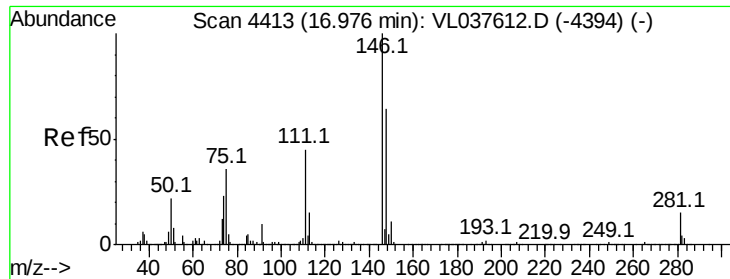
2000000

1000000

0

Time-->





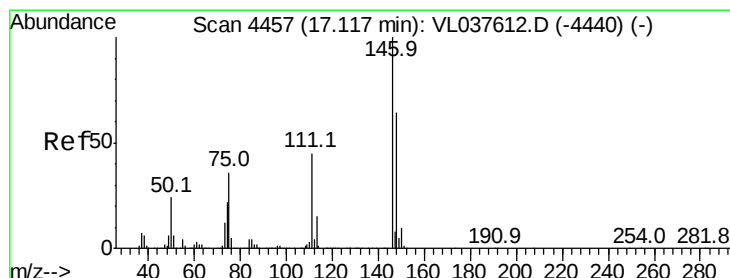
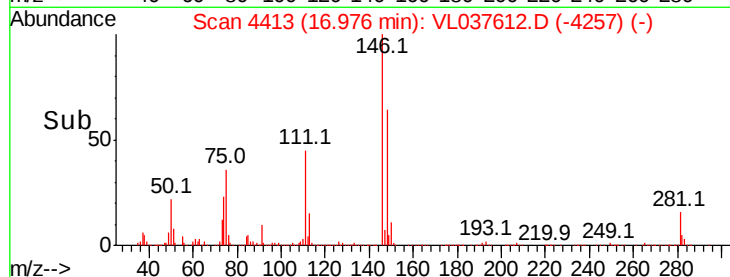
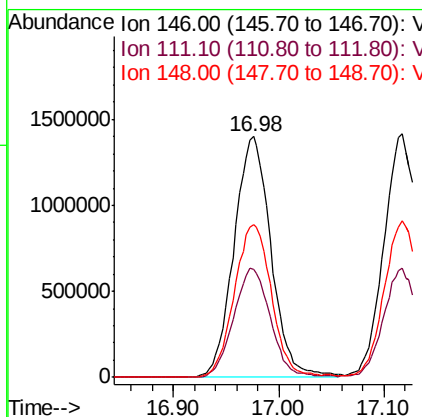
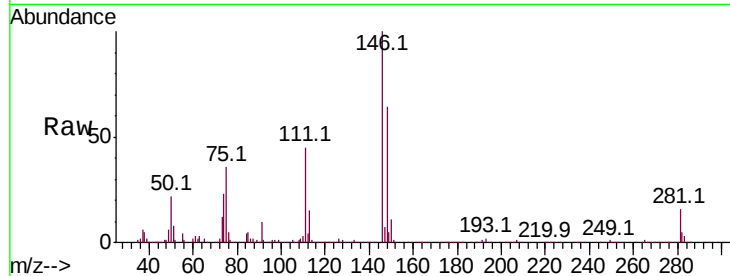
#75
 1,3-Dichlorobenzene
 Concen: 9.427 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T. 0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 3405660
 Ion Ratio Lower Upper
 146 100
 111 45.5 23.4 70.0
 148 64.3 33.1 99.5

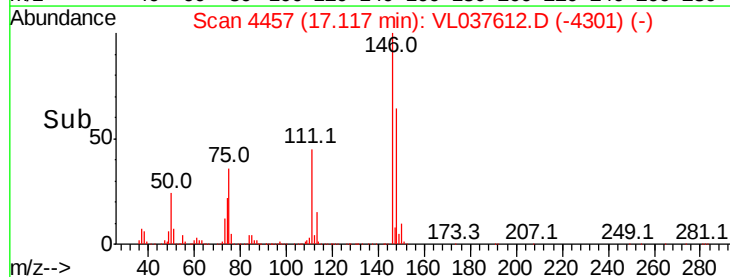
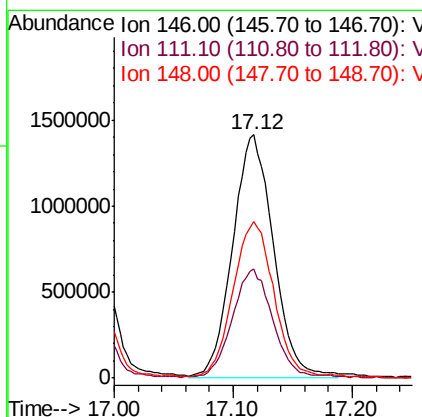
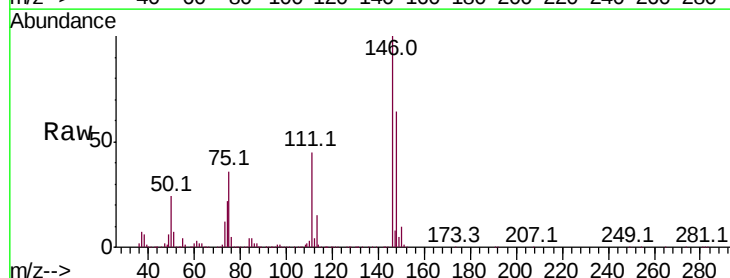
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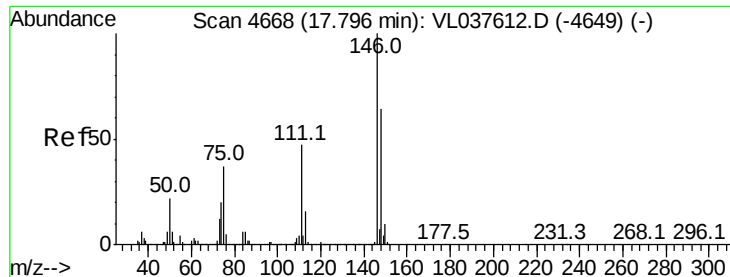
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#76
 1,4-Dichlorobenzene
 Concen: 9.207 ppbv
 RT: 17.12 min Scan# 4457
 Delta R.T. 0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Tgt Ion:146 Resp: 3351099
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.1 66.5
 148 65.7 32.4 97.0





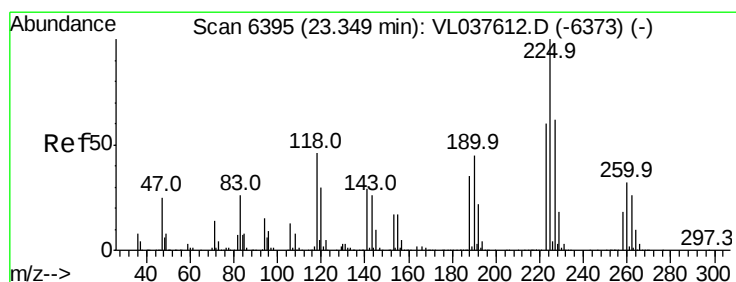
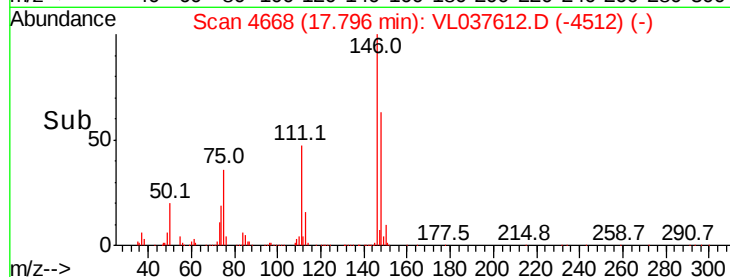
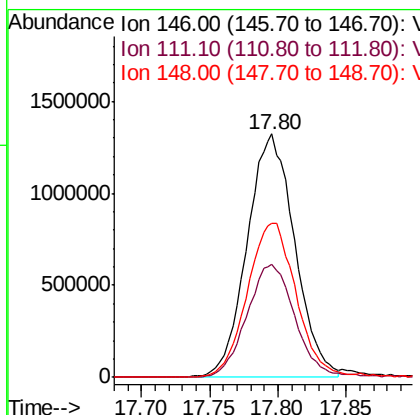
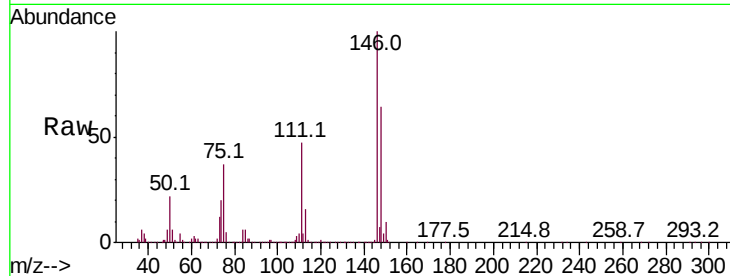
#77
 1,2-Dichlorobenzene
 Concen: 8.951 ppbv
 RT: 17.80 min Scan# 4668
 Delta R.T. 0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.0	23.4	70.3
148	65.5	32.5	97.5

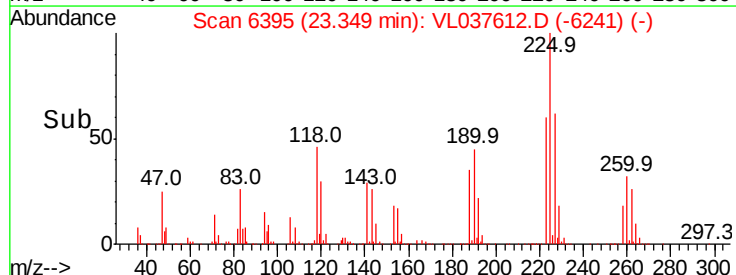
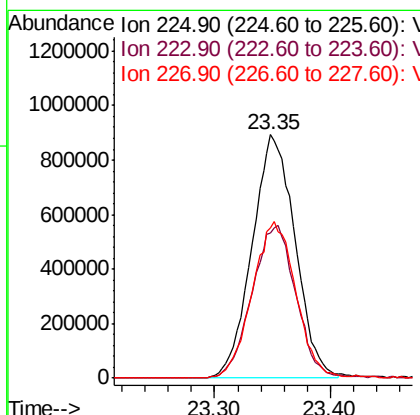
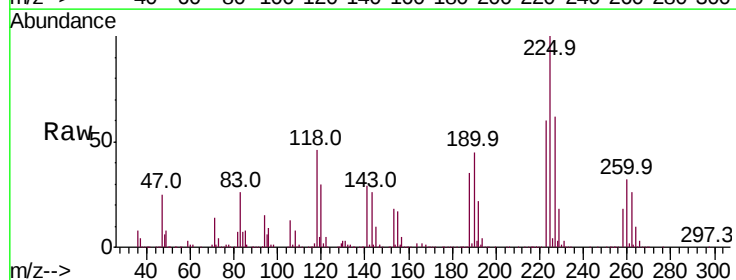
Manual Integrations
 APPROVED

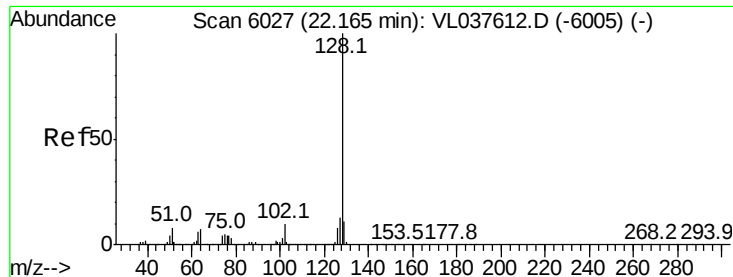
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.774 ppbv
 RT: 23.35 min Scan# 6395
 Delta R.T. -0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.4	77.0
227	65.3	52.9	79.3





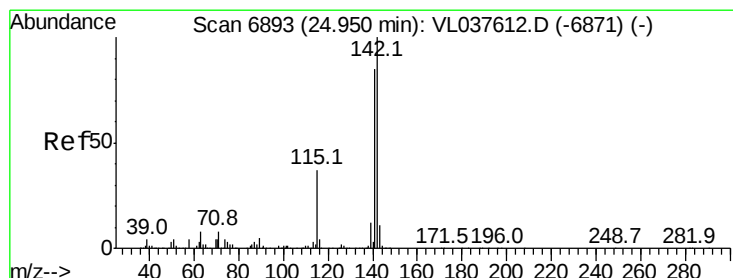
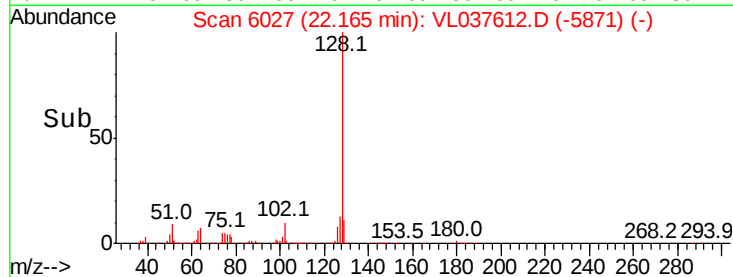
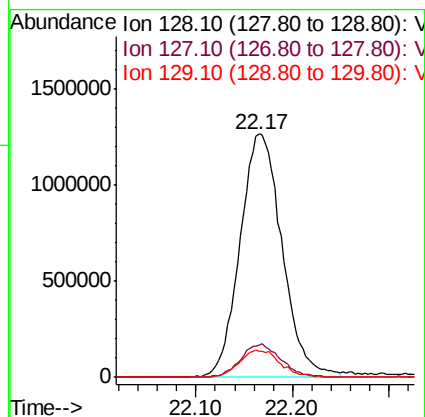
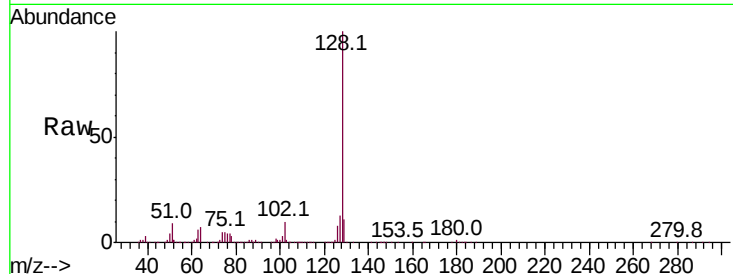
#79
Naphthalene
Concen: 9.535 ppbv
RT: 22.17 min Scan# 6027
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.4	14.2
129	10.7	8.8	13.2

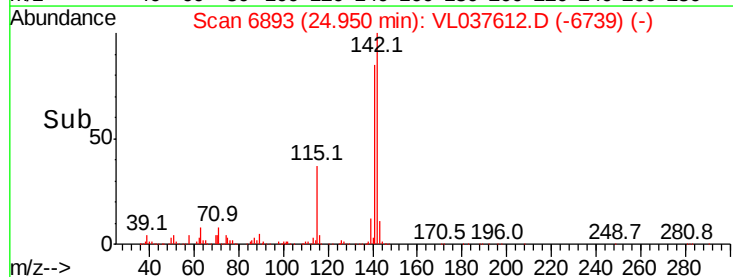
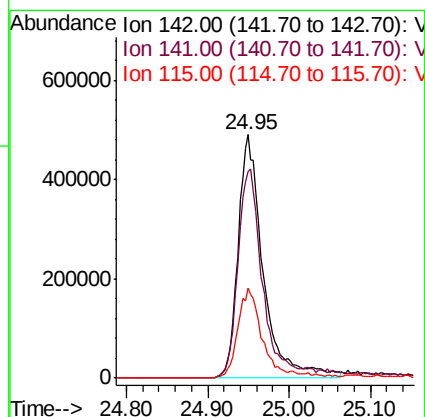
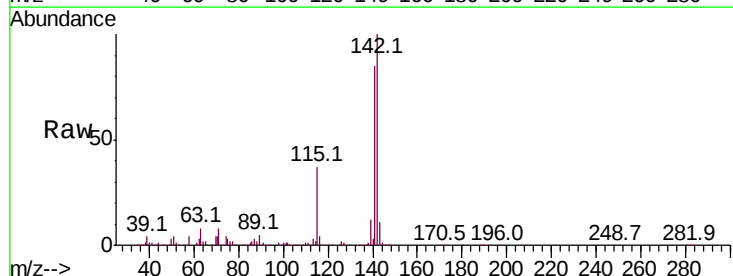
Manual Integrations
APPROVED

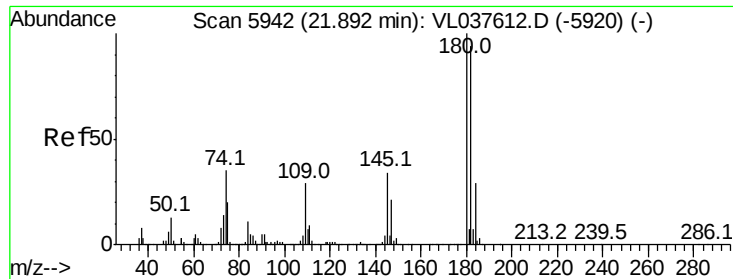
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#80
Naphthalene, 2-methyl-
Concen: 9.386 ppbv
RT: 24.95 min Scan# 6893
Delta R.T. -0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.6	64.7	97.1
115	37.0	28.4	42.6





#81

1,2,4-Trichlorobenzene

Concen: 9.006 ppbv m

RT: 21.89 min Scan# 5942

Delta R.T. -0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:180 Resp: 2270015

Ion Ratio Lower Upper

180 100

182 98.6 79.6 119.4

184 30.9 25.4 38.2

Manual Integrations

APPROVED

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