

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

Quant Time: Sep 16 10:40:25 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 02:13:47 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	5769383	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3490134	8.51	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
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	47284	4.173	ppbv #	1
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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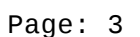
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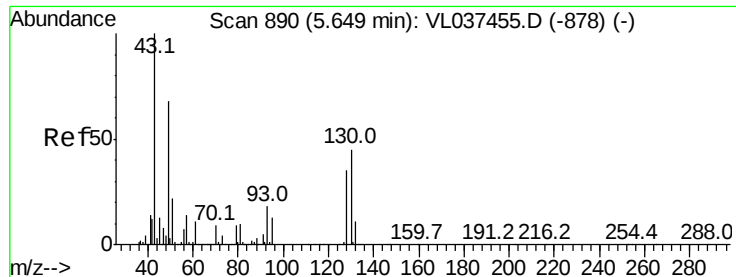
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	6840392	9.677	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1310869	11.895	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	1694224	11.021	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1714606	9.832	ppbv	99
48) Dibromochloromethane	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	7.772	ppbv	93
57) Chlorobenzene	12.13	112	3622441	7.566	ppbv	98
58) Ethyl Benzene	12.69	91	6268831	7.830	ppbv	99
59) m/p-Xylene	12.98	91	4996153	7.198	ppbv #	25
60) o-Xylene	13.67	91	4912419	7.583	ppbv	98
61) Styrene	13.51	104	2842909	8.448	ppbv	98
62) Isopropylbenzene	14.65	105	6798048	7.435	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	3499174	7.268	ppbv	99
64) n-propylbenzene	15.54	120	1864628	8.014	ppbv	86
65) tert-Butylbenzene	16.73	119	5926380	7.117	ppbv	99
66) Benzyl Chloride	16.97	91	369337	9.805	ppbv	97
67) sec-Butylbenzene	17.27	105	8190676	7.040	ppbv	99
69) p-Isopropyltoluene	17.63	119	6907349	7.285	ppbv	100
70) n-Butylbenzene	18.53	91	6716891	7.413	ppbv	100
71) 2-Chlorotoluene	15.43	91	5139783	7.666	ppbv	98
72) 4-Ethyltoluene	15.82	105	5929382	7.695	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	5342503	7.449	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	5428804	7.123	ppbv #	90
75) 1,3-Dichlorobenzene	16.98	146	3405660	7.423	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	3351099	7.251	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	3184437	7.049	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2299643	6.122	ppbv	99
79) Naphthalene	22.17	128	3829896	7.509	ppbv	98
80) Naphthalene,2-methyl-	24.95	142	1050322	7.392	ppbv	93
81) 1,2,4-Trichlorobenzene	21.90	180	1145093	3.578	ppbv #	14

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

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VSTDICCC010

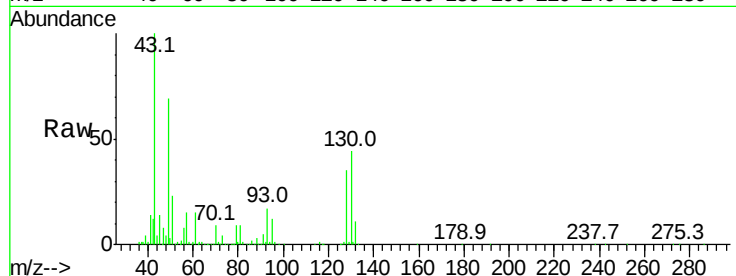
Tgt Ion: 49 Resp: 1699531

Ion Ratio Lower Upper

49 100

128 55.7 27.5 82.4

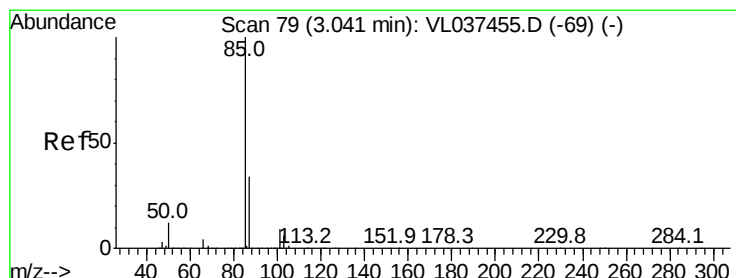
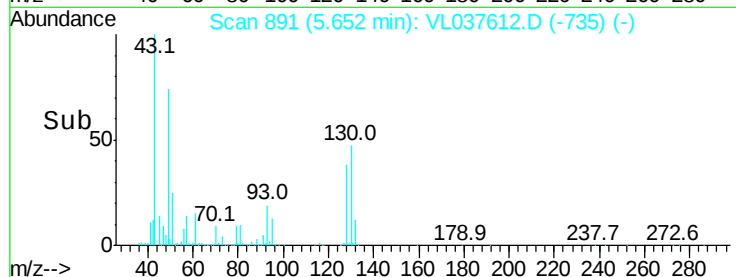
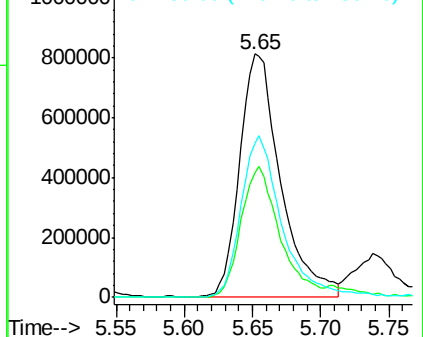
130 67.8 34.0 101.8



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: 12.139 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL037612.D

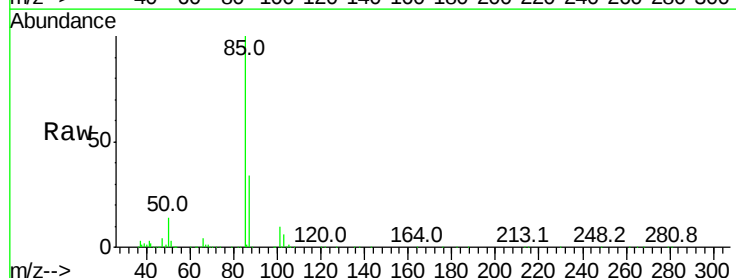
Acq: 16 Sep 2021 10:03

Tgt Ion: 85 Resp: 3310216

Ion Ratio Lower Upper

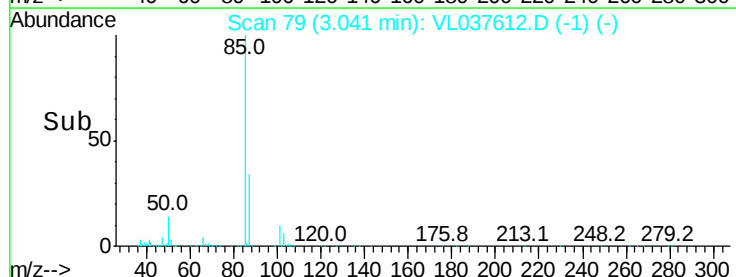
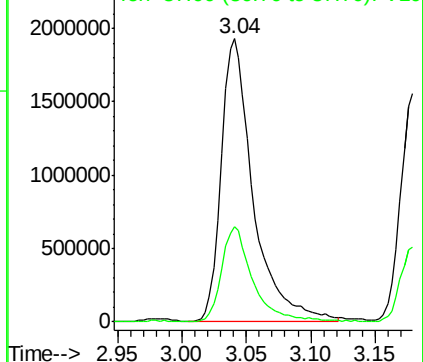
85 100

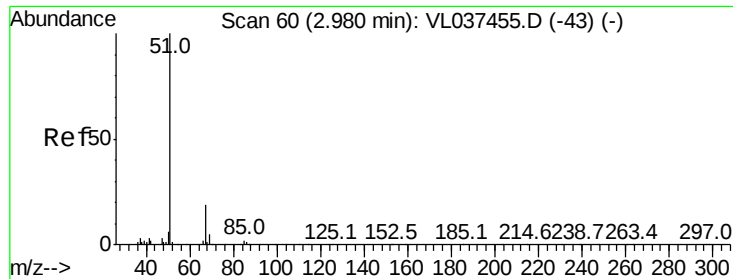
87 33.5 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

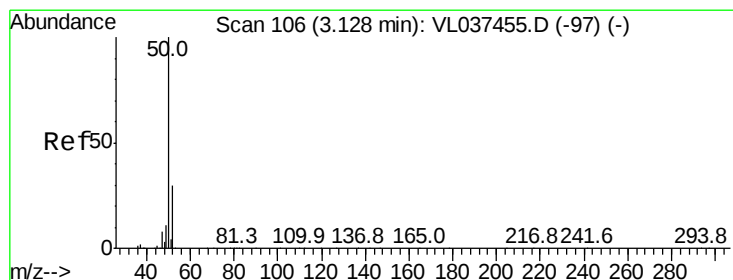
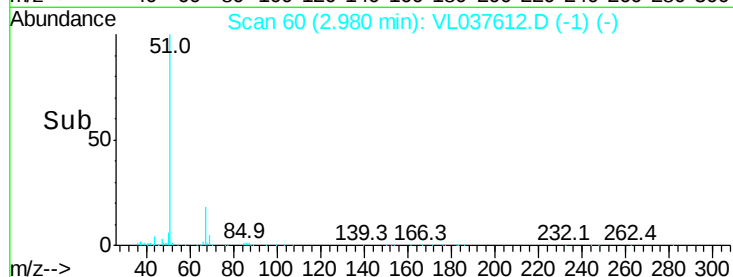
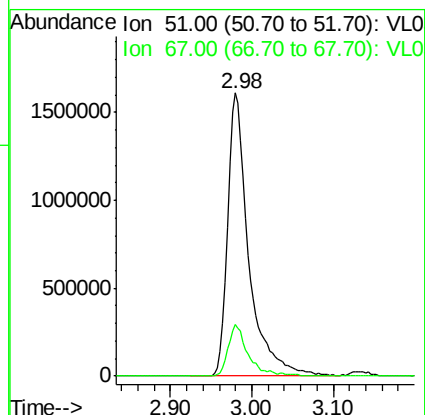
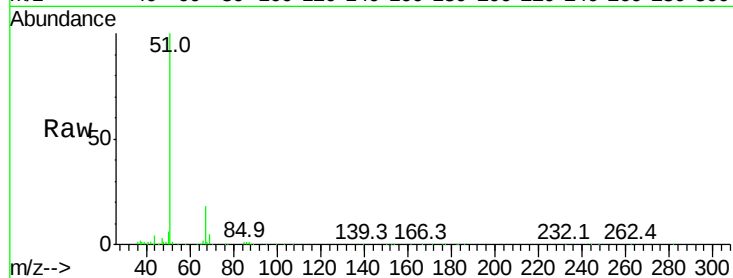




#3
 Chlorodifluoromethane
 Concen: 9.056 ppbv
 RT: 2.98 min Scan# 60
 Delta R.T. -0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

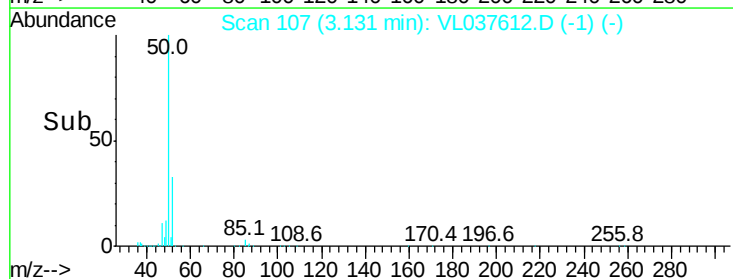
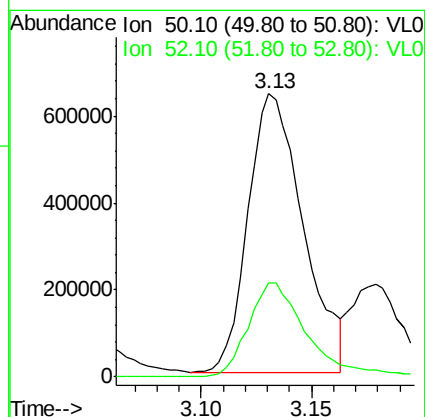
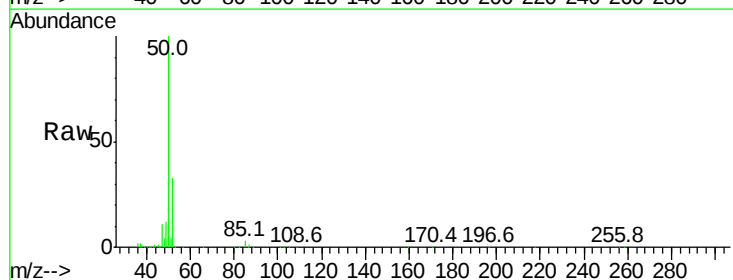
Instrument :
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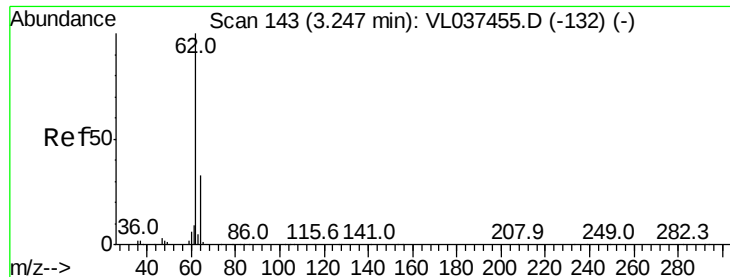
Tgt Ion: 51 Resp: 2947290
 Ion Ratio Lower Upper
 51 100
 67 17.5 14.2 21.2



#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 :

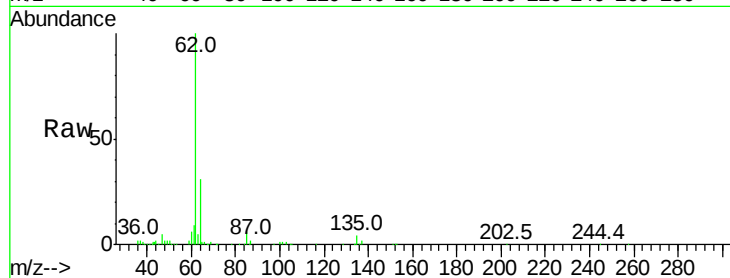
VSTDICCC010

Tgt Ion: 62 Resp: 1124795

Ion Ratio Lower Upper

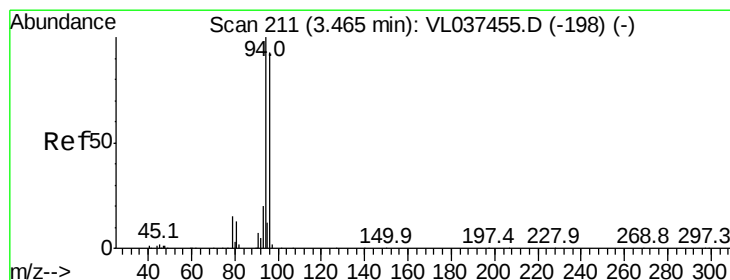
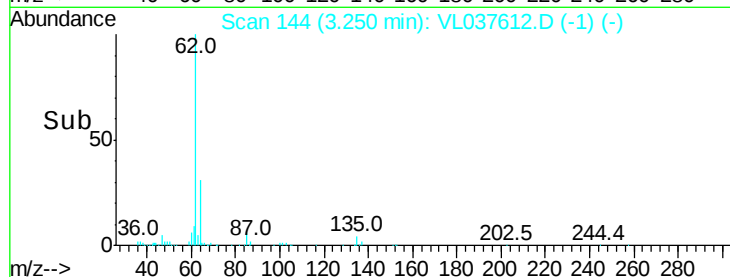
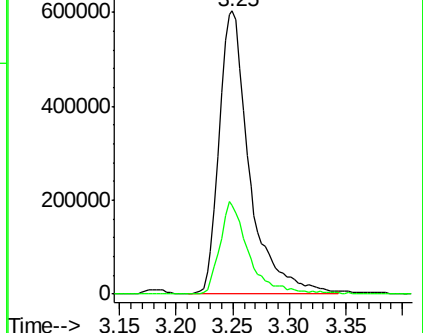
62 100

64 31.1 26.5 39.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.725 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL037612.D

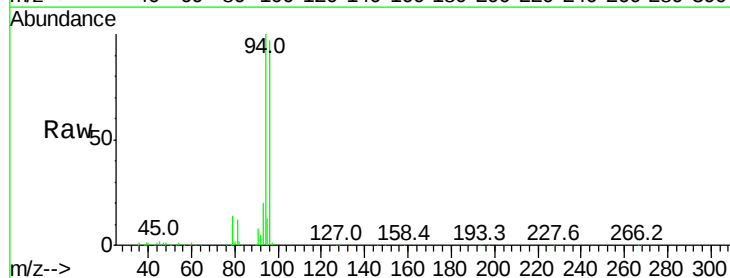
Acq: 16 Sep 2021 10:03

Tgt Ion: 94 Resp: 634676

Ion Ratio Lower Upper

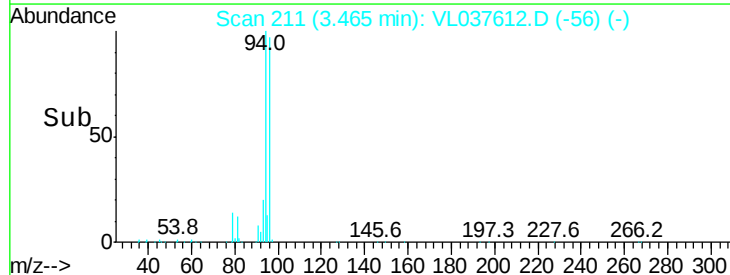
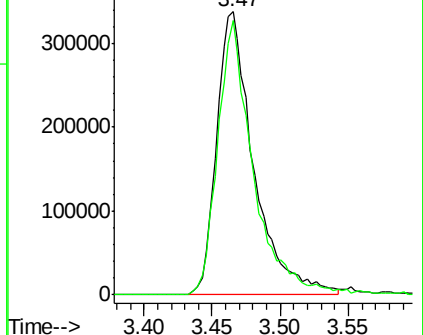
94 100

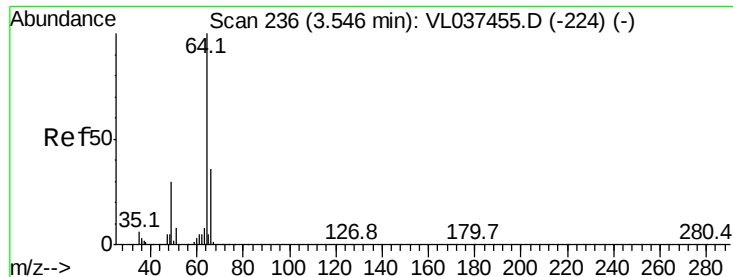
96 96.6 74.5 111.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#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 :

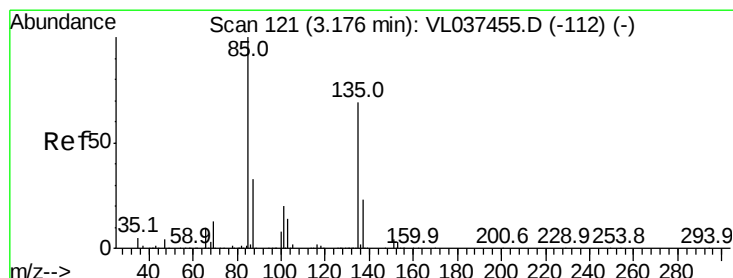
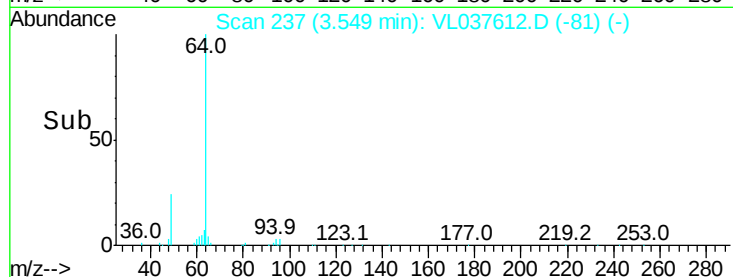
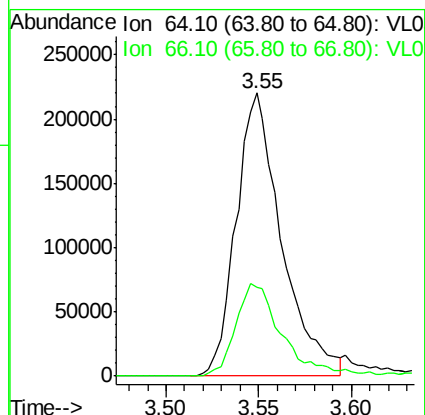
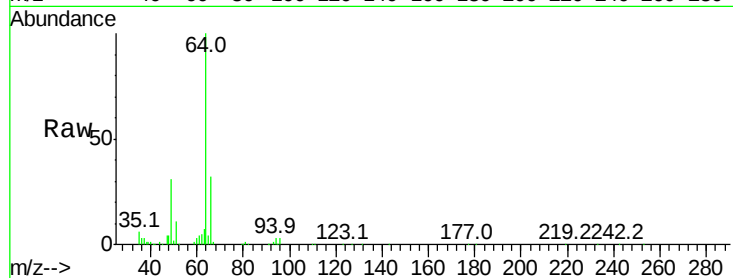
VSTDICCC010

Tgt Ion: 64 Resp: 374709

Ion Ratio Lower Upper

64 100

66 31.6 28.6 43.0



#8

Dichlorotetrafluoroethane

Concen: 9.004 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037612.D

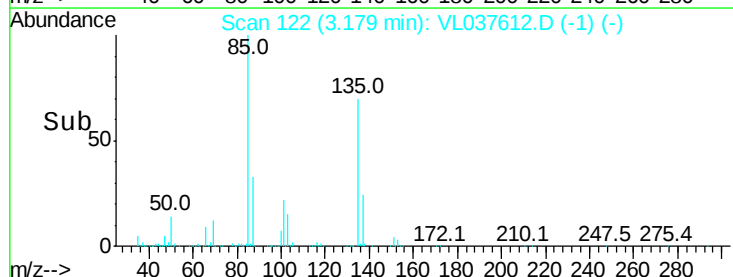
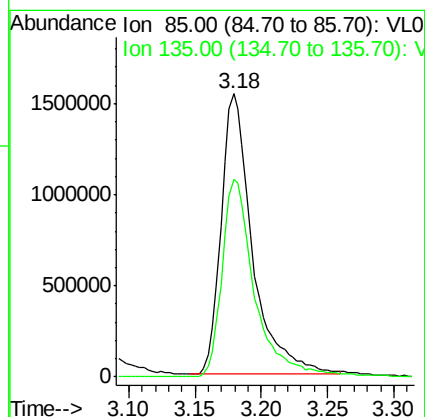
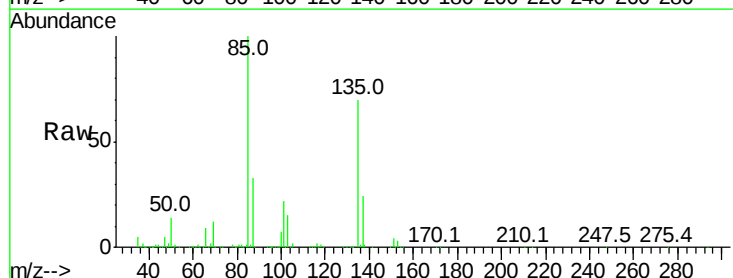
Acq: 16 Sep 2021 10:03

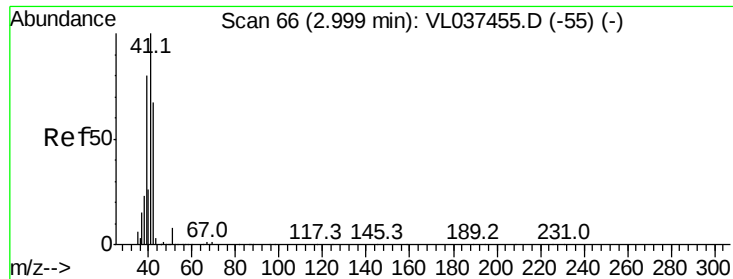
Tgt Ion: 85 Resp: 2534881

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

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Acq: 16 Sep 2021 10:03

Instrument :

MSVOA_L

ClientSampleId :

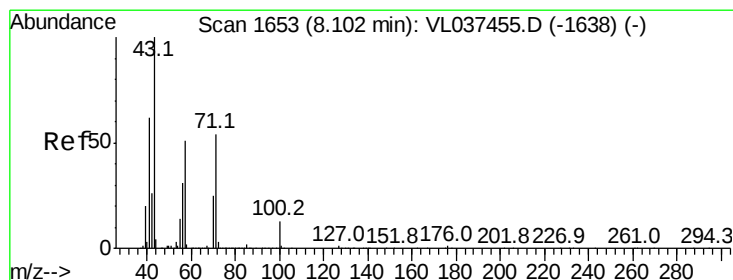
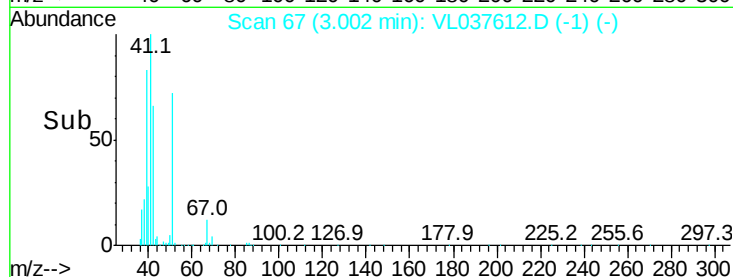
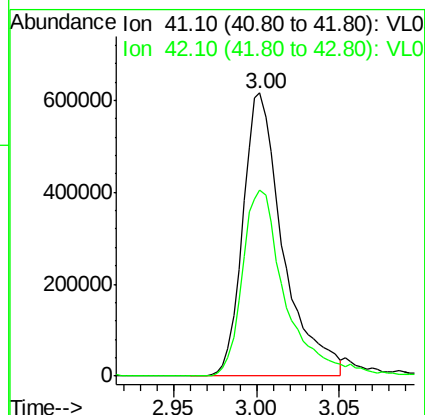
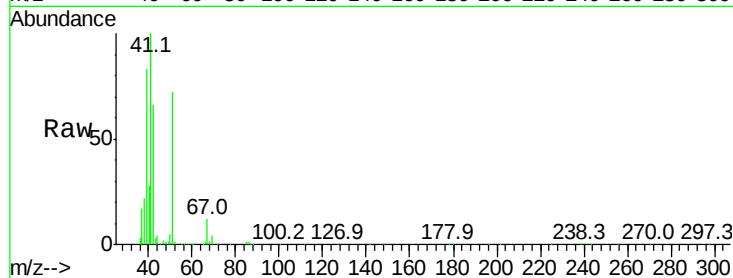
VSTDICCC010

Tgt Ion: 41 Resp: 1037513

Ion Ratio Lower Upper

41 100

42 71.5 53.7 80.5



#10

Heptane

Concen: 10.046 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.01 min

Lab File: VL037612.D

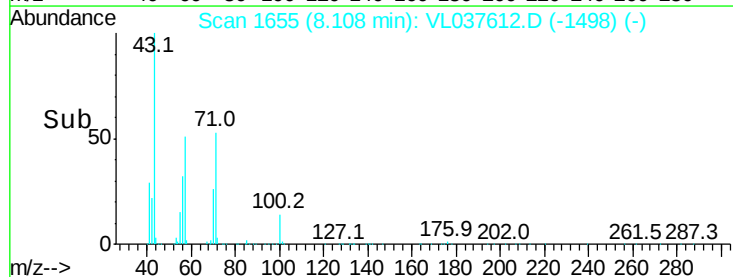
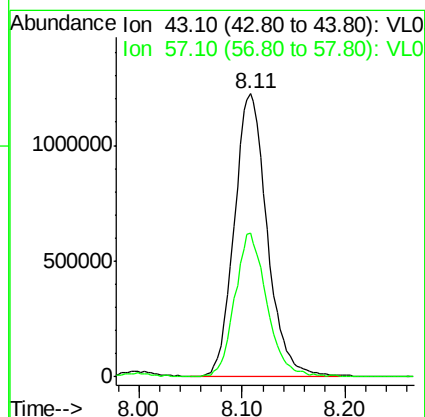
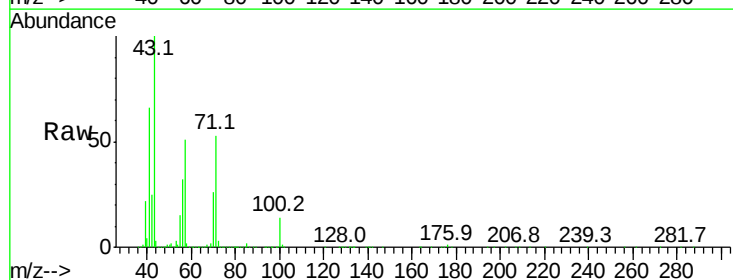
Acq: 16 Sep 2021 10:03

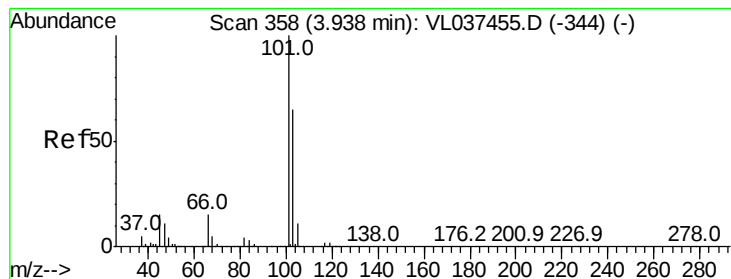
Tgt Ion: 43 Resp: 2692617

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

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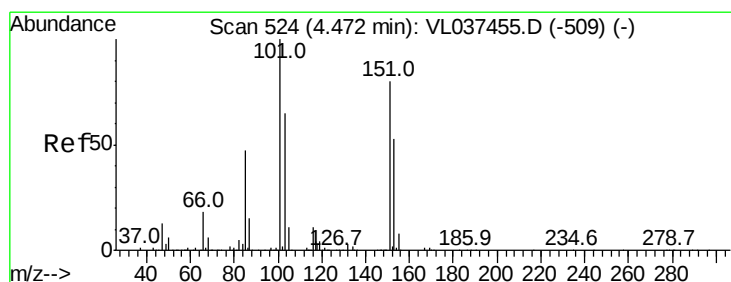
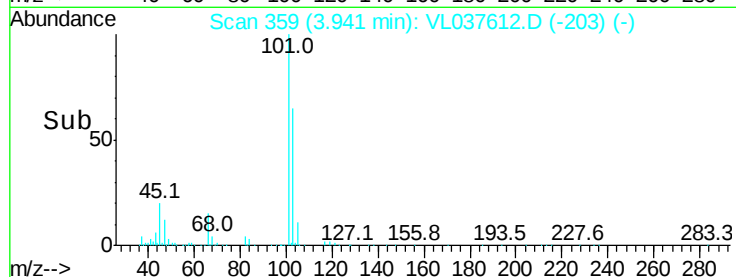
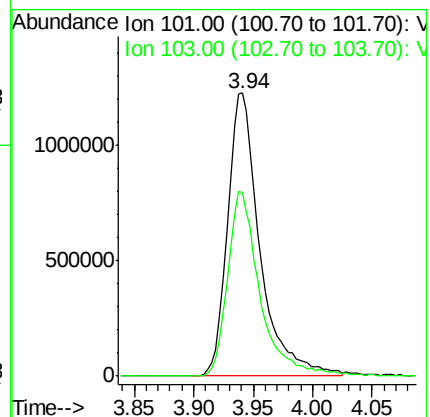
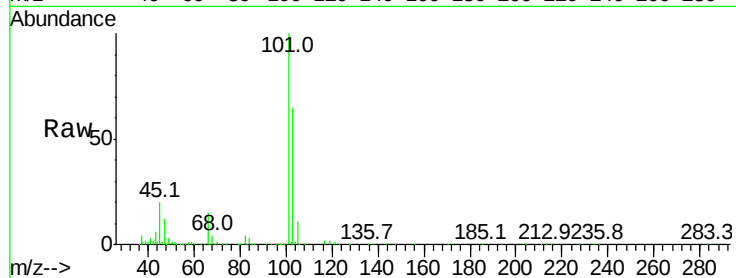
VSTDICCC010

Tgt Ion:101 Resp: 2314298

Ion Ratio Lower Upper

101 100

103 64.9 51.8 77.6



#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

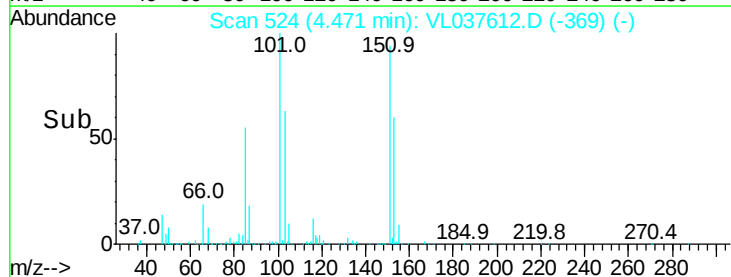
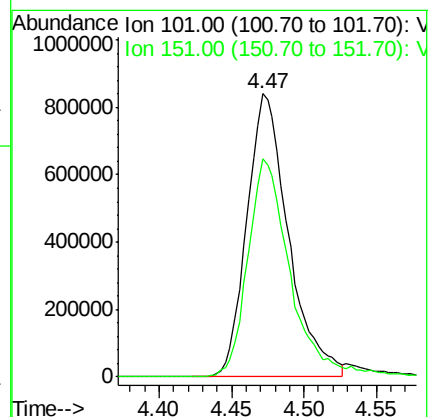
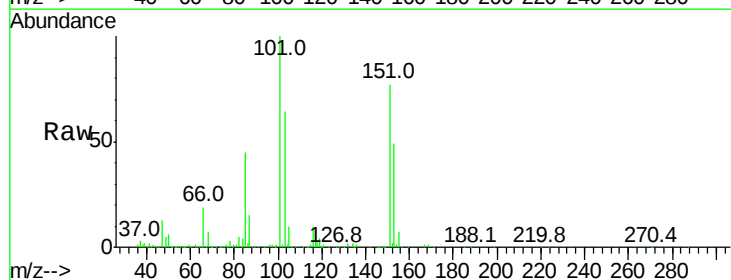
Acq: 16 Sep 2021 10:03

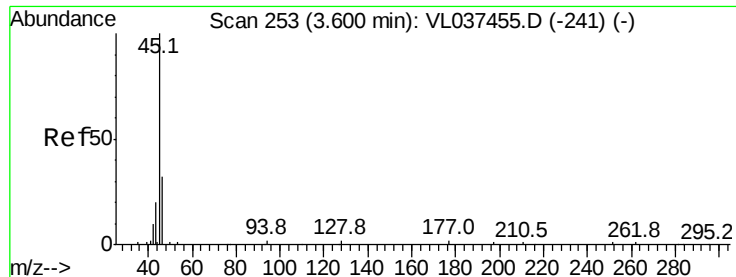
Tgt Ion:101 Resp: 1676277

Ion Ratio Lower Upper

101 100

151 79.4 63.7 95.5





#13

Ethanol

Concen: 4.173 ppbv

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

ClientSampleId :

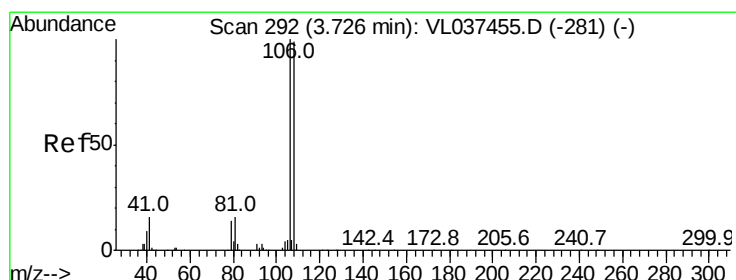
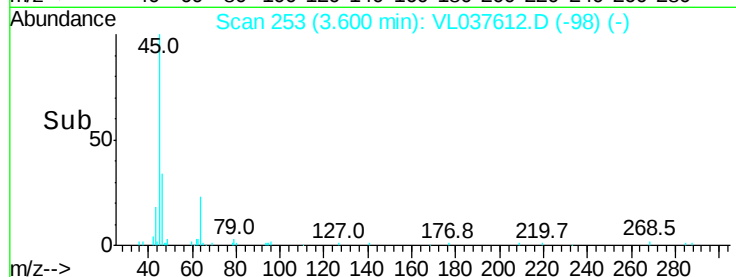
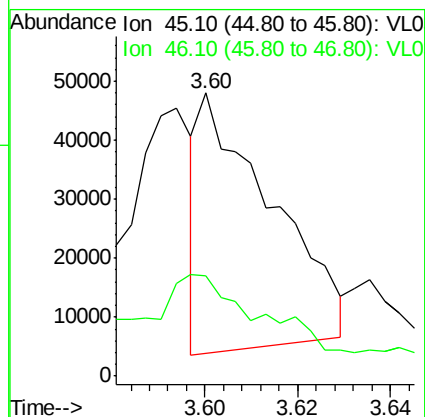
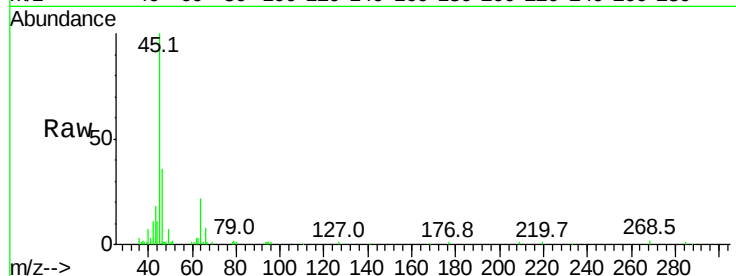
VSTDICCC010

Tgt Ion: 45 Resp: 47284

Ion Ratio Lower Upper

45 100

46 93.7 14.1 56.5#



#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

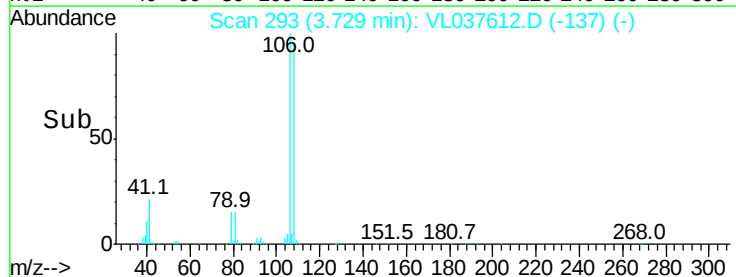
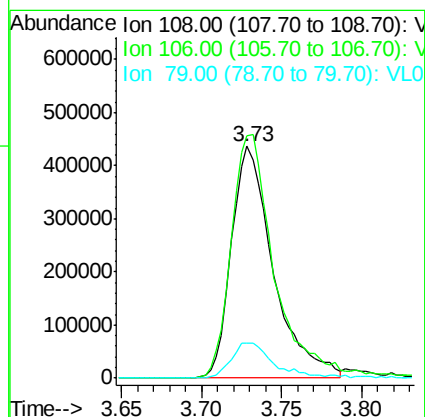
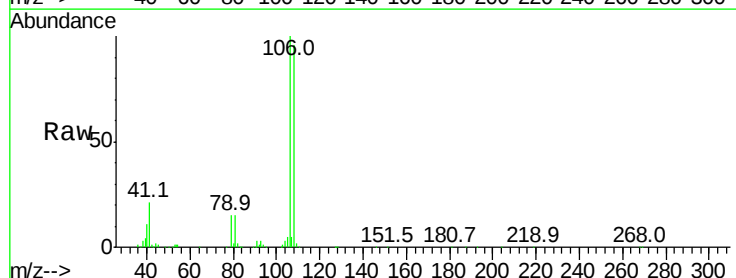
Tgt Ion: 108 Resp: 779638

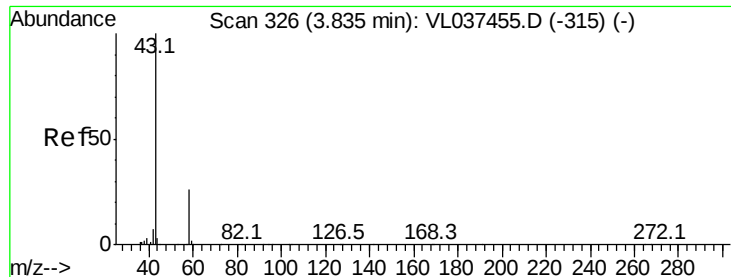
Ion Ratio Lower Upper

108 100

106 110.3 85.8 128.8

79 16.0 12.6 18.8

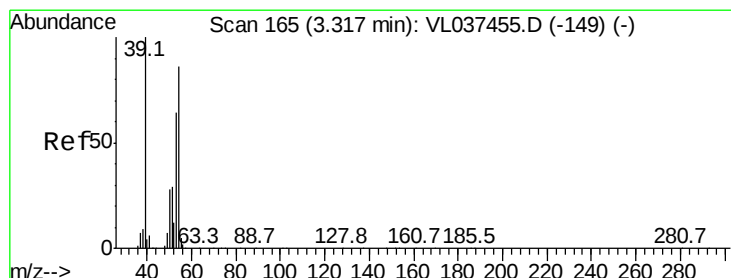
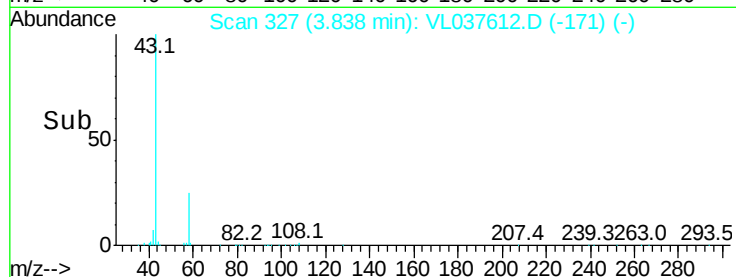
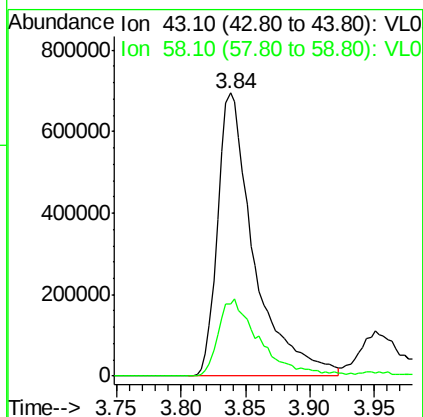
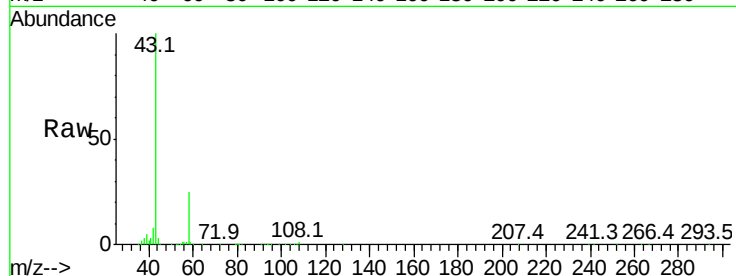




#15
Acetone
Concen: 7.852 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

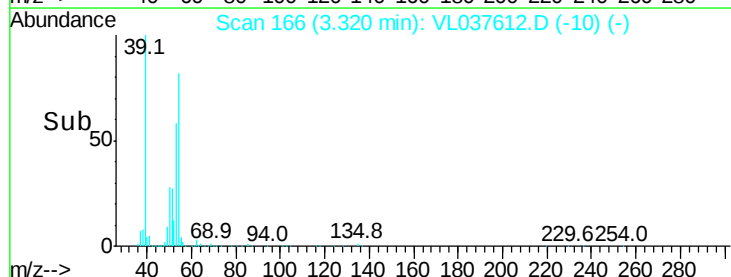
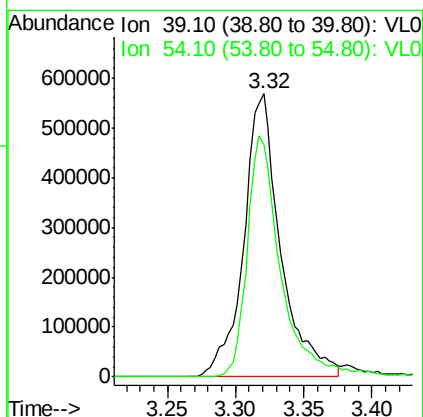
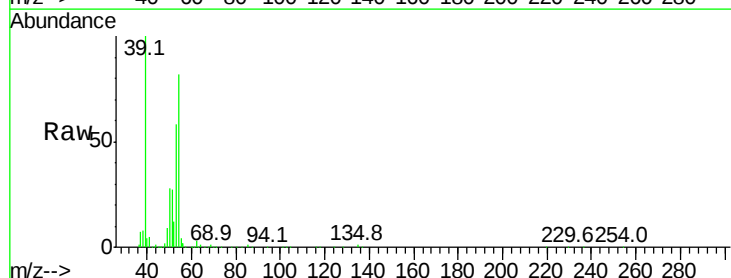
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

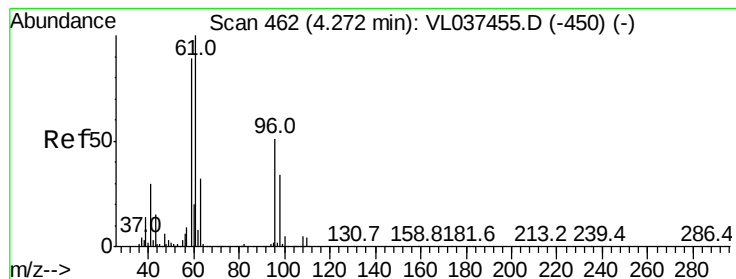
Tgt Ion: 43 Resp: 1358112
Ion Ratio Lower Upper
43 100
58 31.1 24.8 37.2



#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 :

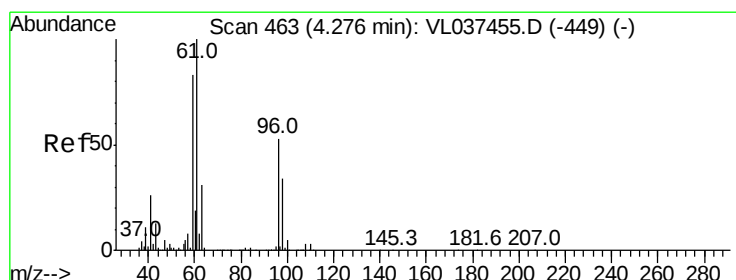
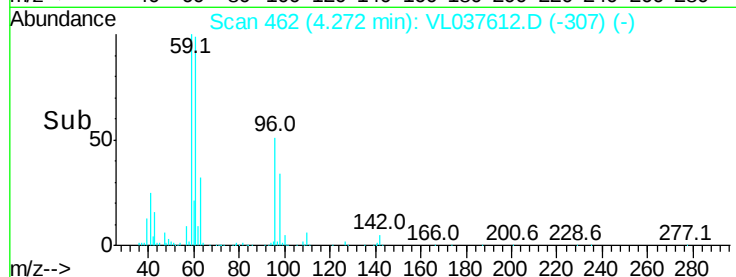
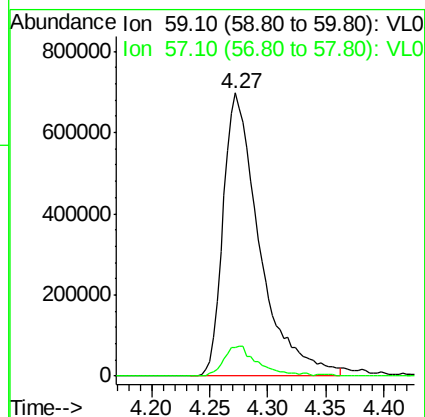
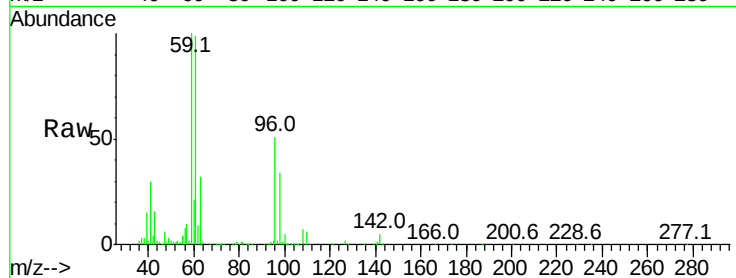
VSTDICCC010

Tgt Ion: 59 Resp: 1524940

Ion Ratio Lower Upper

59 100

57 10.5 8.3 12.5



#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

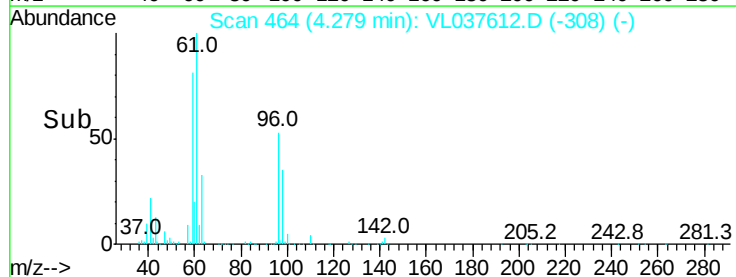
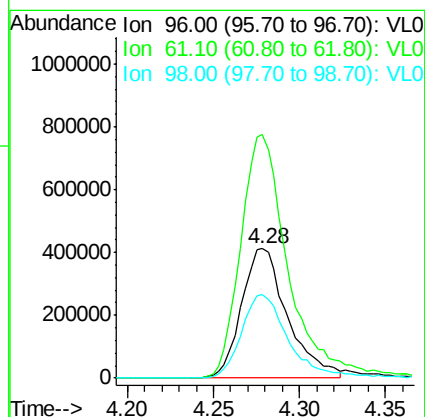
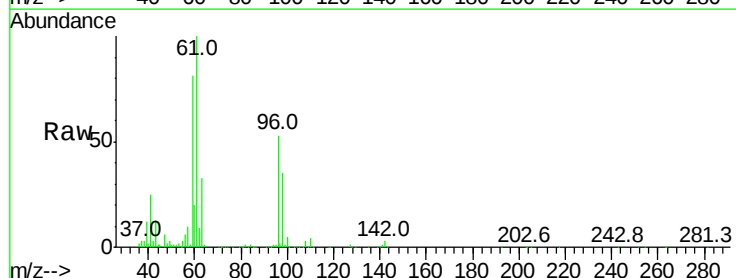
Tgt Ion: 96 Resp: 765026

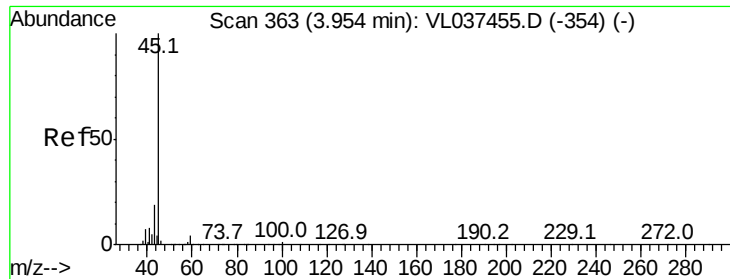
Ion Ratio Lower Upper

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 :

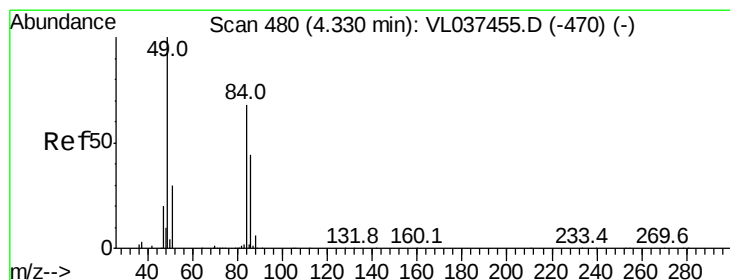
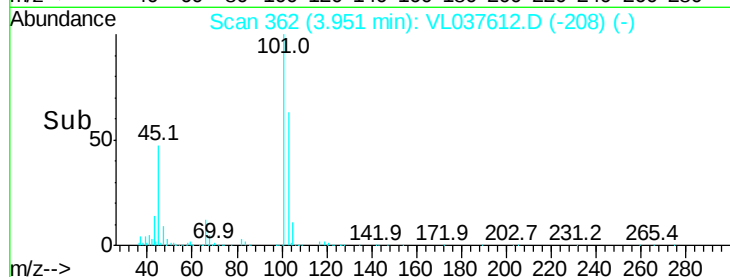
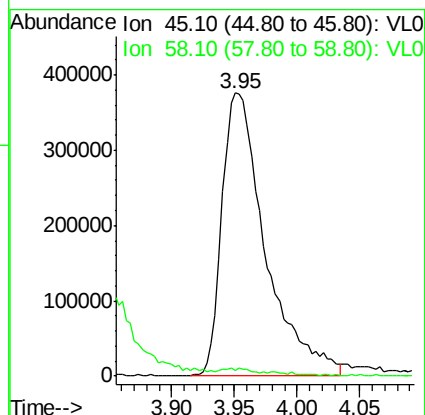
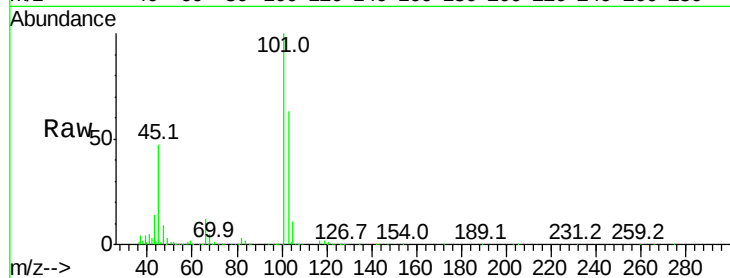
VSTDICCC010

Tgt Ion: 45 Resp: 902075

Ion Ratio Lower Upper

45 100

58 3.6 1.4 2.2#



#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

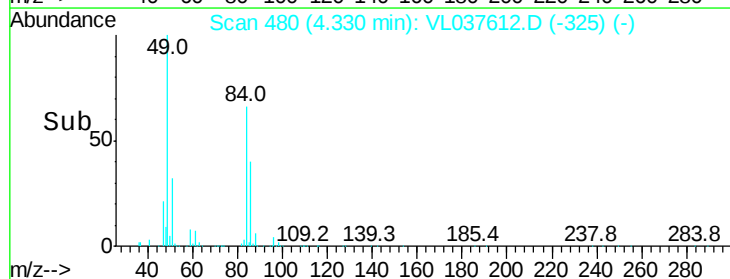
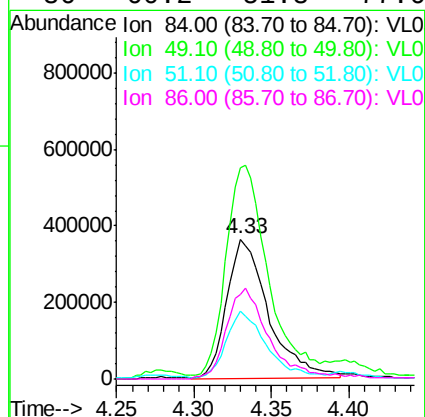
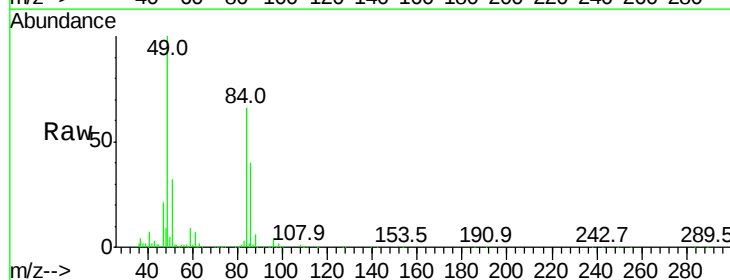
Ion Ratio Lower Upper

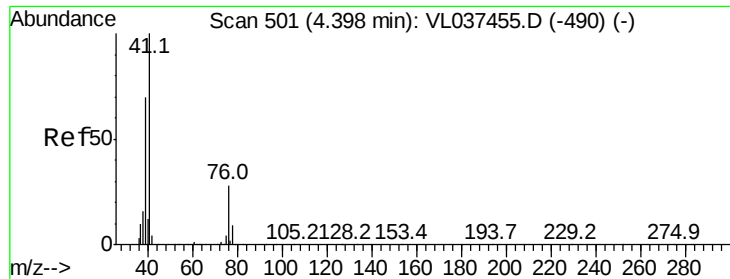
84 100

49 150.0 118.2 177.2

51 47.5 36.6 55.0

86 60.2 51.8 77.6

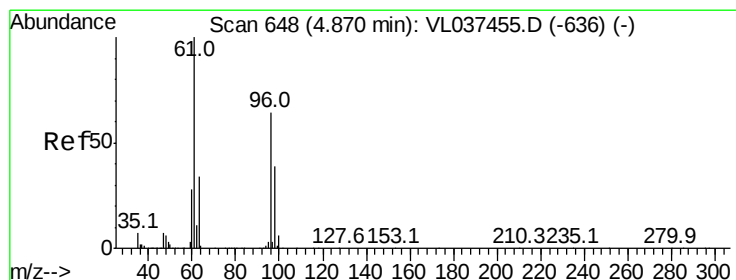
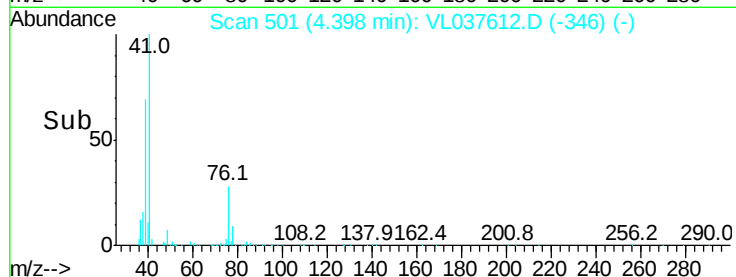
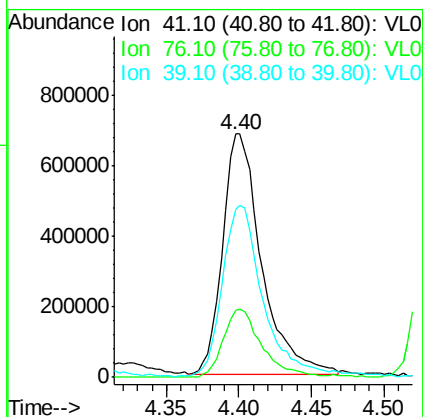
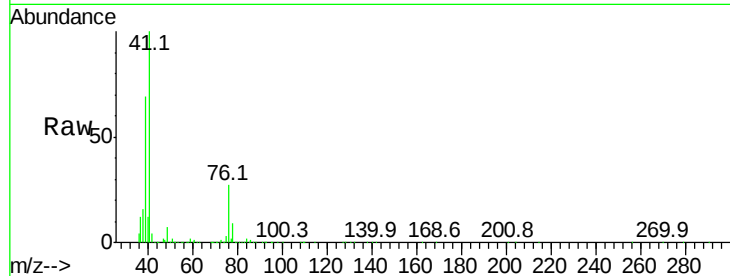




#21
 Allyl Chloride
 Concen: 8.991 ppbv
 RT: 4.40 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

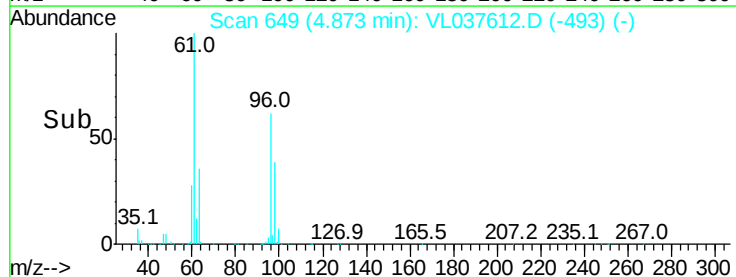
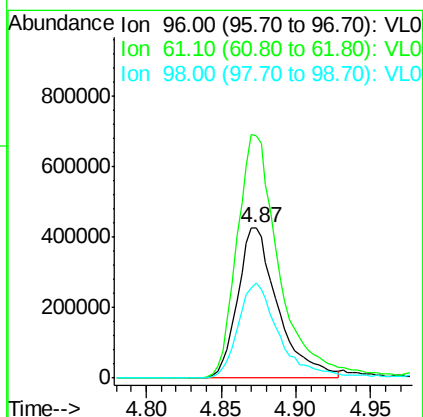
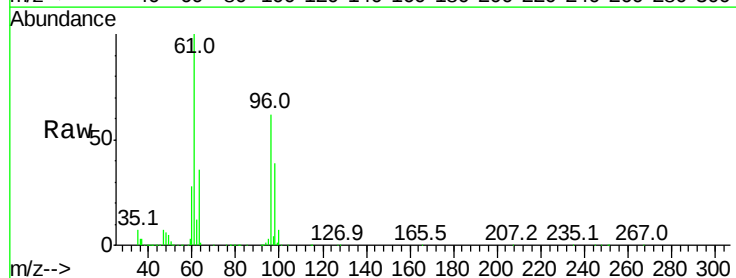
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

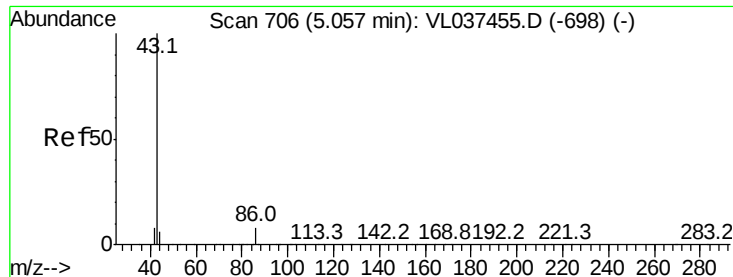
Tgt Ion: 41 Resp: 1263055
 Ion Ratio Lower Upper
 41 100
 76 28.9 21.8 32.6
 39 76.3 56.8 85.2



#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: 96 Resp: 798298
 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

Tgt Ion: 43 Resp: 2492263

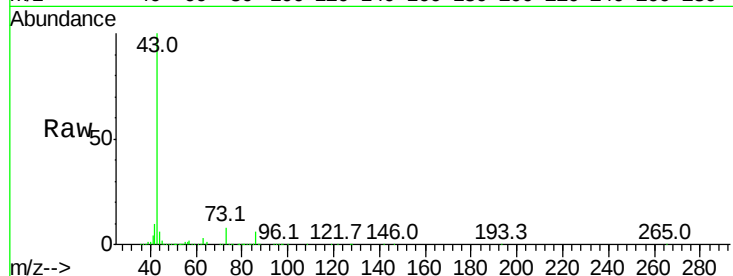
Ion Ratio Lower Upper

43 100

86 6.3 5.7 8.5

42 9.4 7.4 11.2

44 5.9 4.3 6.5

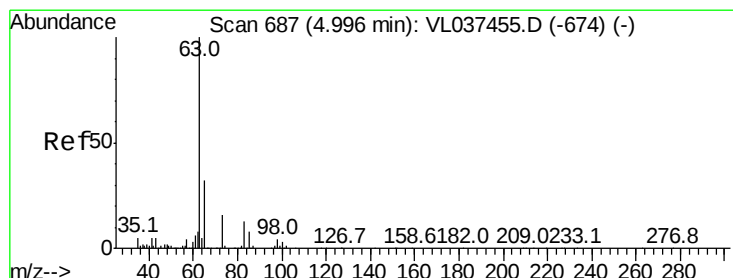
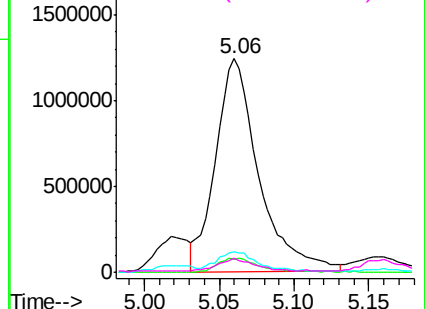
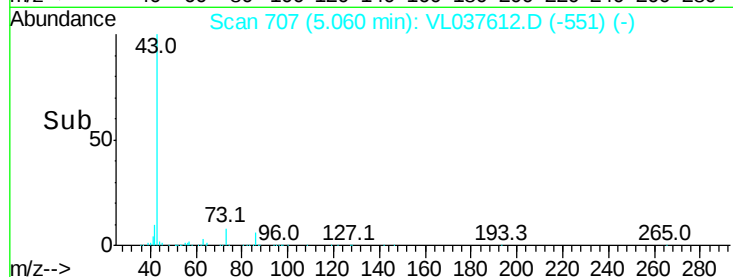


Abundance Ion 43.10 (42.80 to 43.80): VL0

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

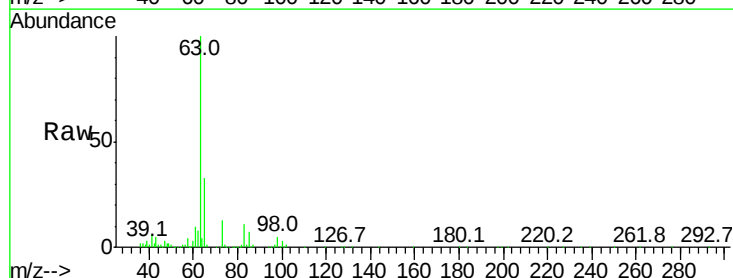
Tgt Ion: 63 Resp: 1594456

Ion Ratio Lower Upper

63 100

98 4.8 2.1 6.3

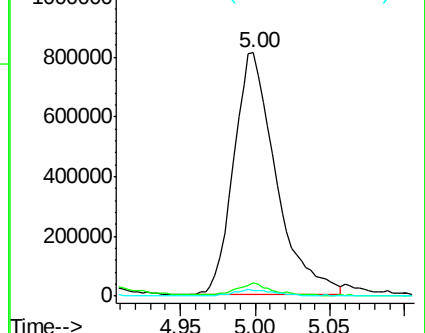
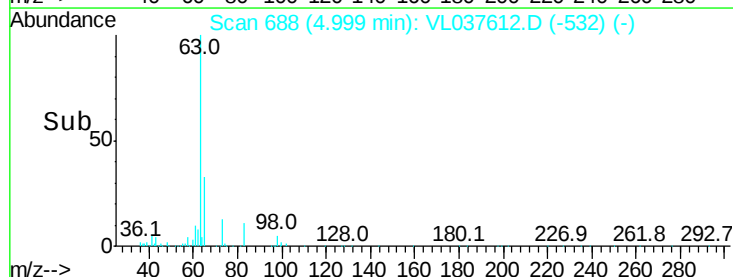
100 2.3 1.6 4.7

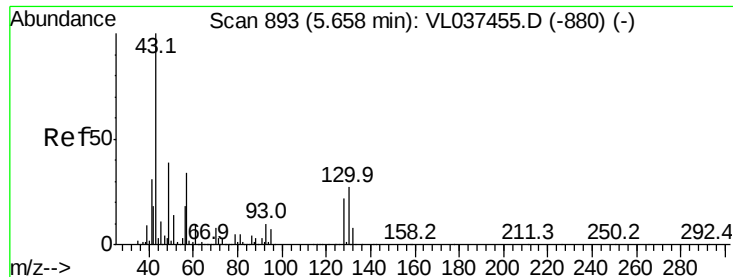


Abundance Ion 63.10 (62.80 to 63.80): VL0

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

Tgt Ion: 43 Resp: 4181485

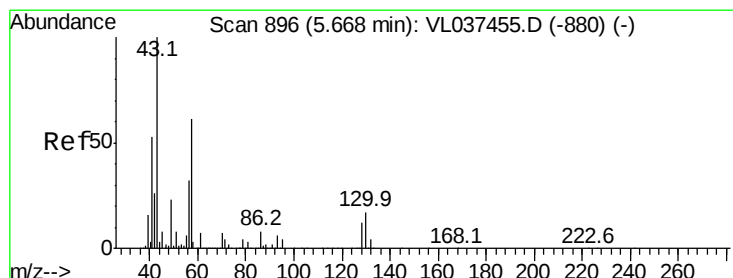
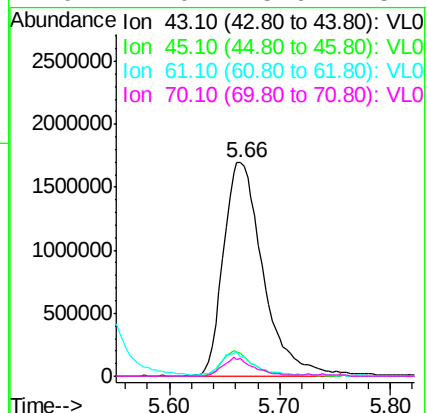
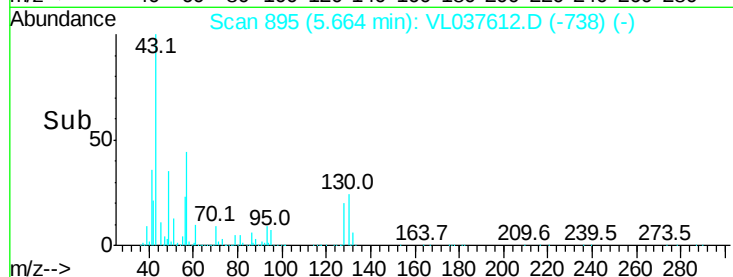
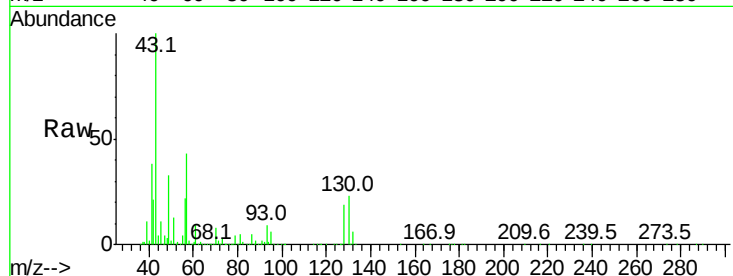
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.4	8.0	12.0
70	7.0	5.6	8.4

43 100

45 10.0 8.0 12.0

61 9.4 8.0 12.0

70 7.0 5.6 8.4



#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: 57 Resp: 2010811

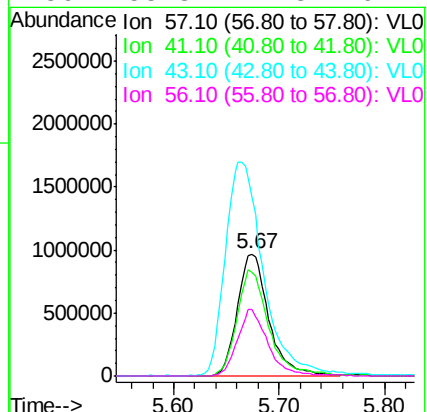
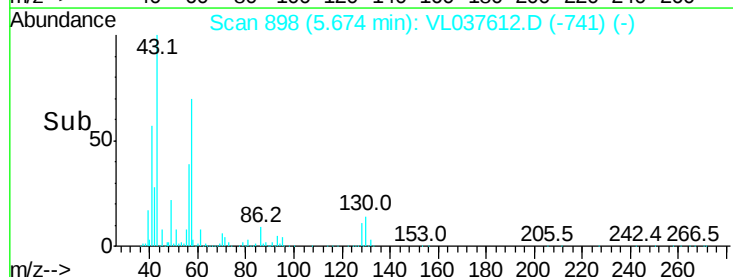
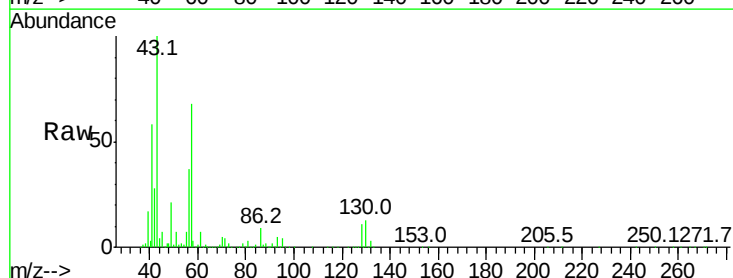
Ion	Ratio	Lower	Upper
57	100		
41	88.6	72.3	108.5
43	213.0	172.3	258.5
56	53.3	42.8	64.2

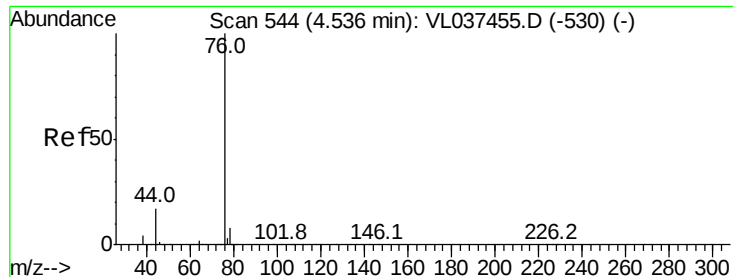
57 100

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

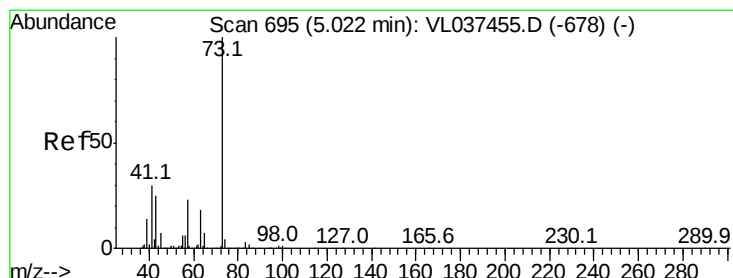
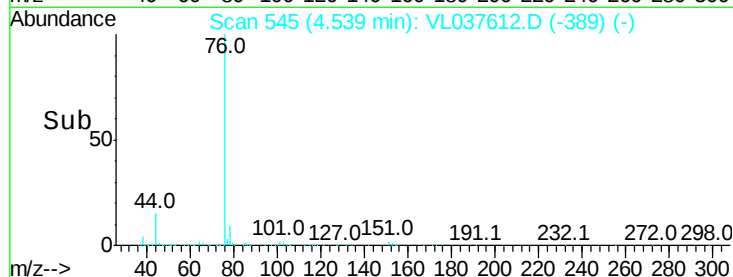
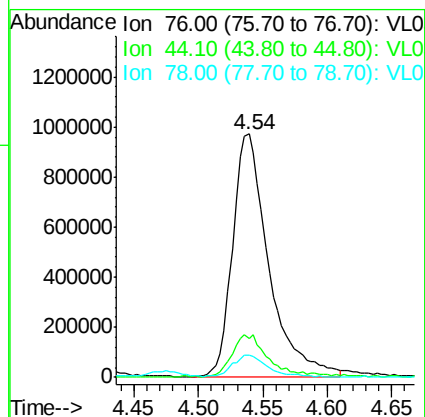
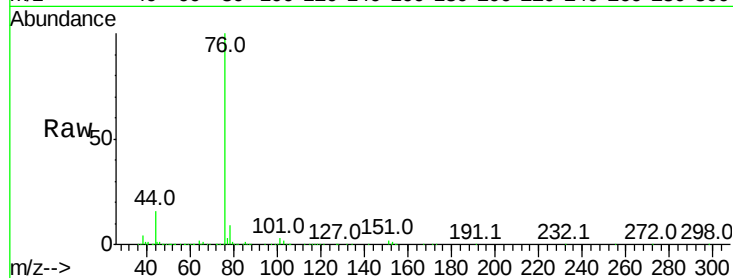
Tgt Ion: 76 Resp: 1893397

Ion Ratio Lower Upper

76 100

44 17.7 13.9 20.9

78 9.2 7.9 11.9



#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

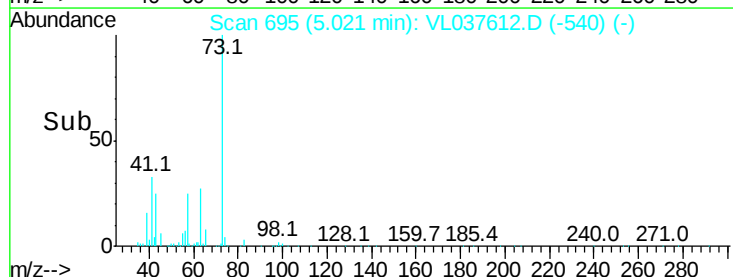
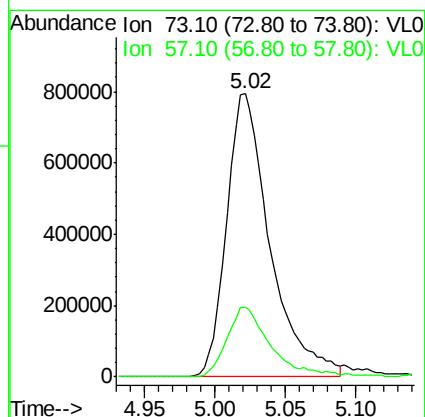
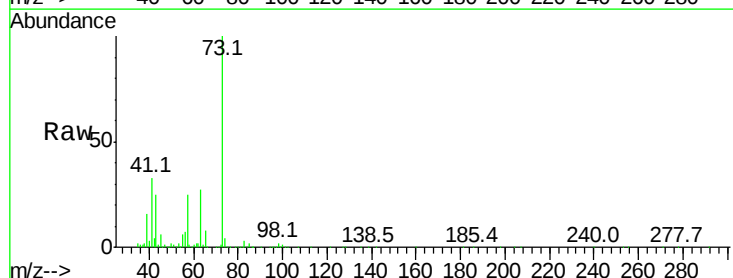
Acq: 16 Sep 2021 10:03

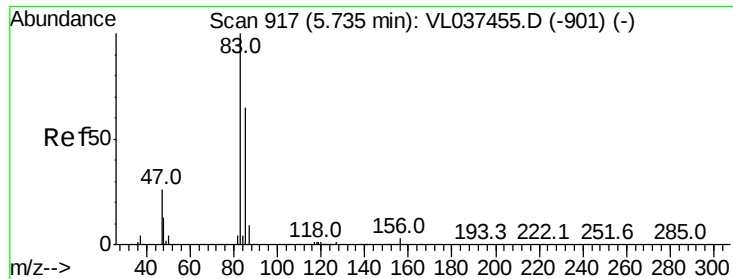
Tgt Ion: 73 Resp: 1707345

Ion Ratio Lower Upper

73 100

57 25.1 19.4 29.2

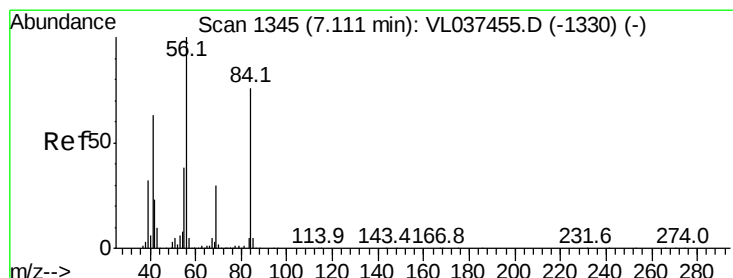
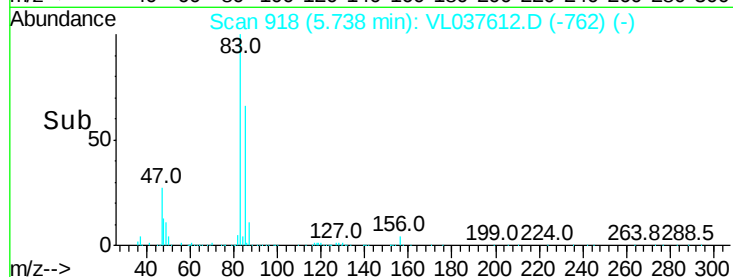
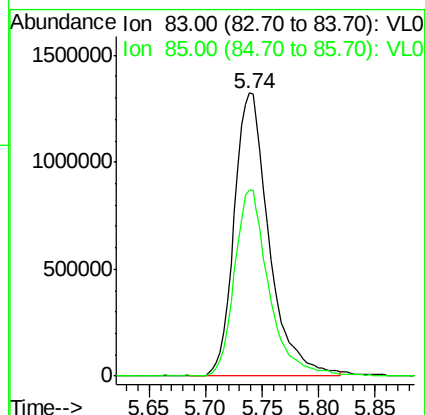
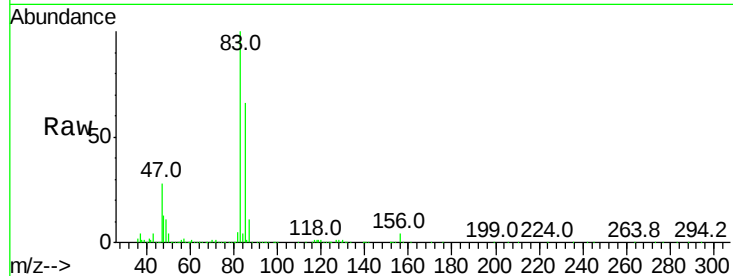




#29
Chloroform
Concen: 9.331 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

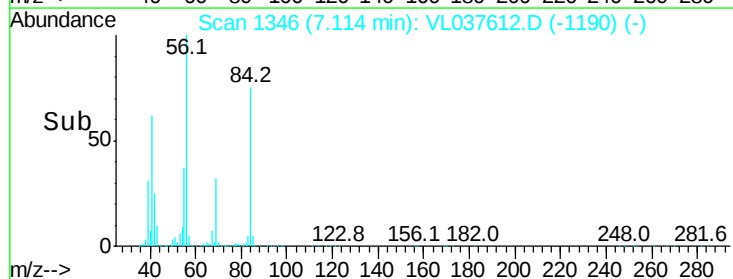
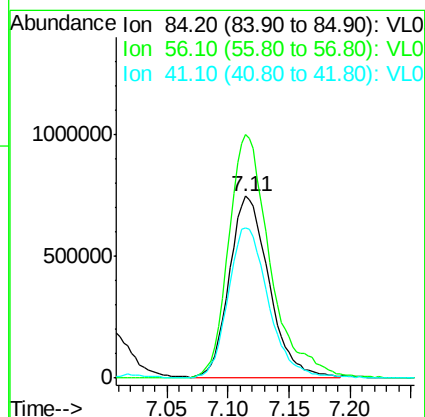
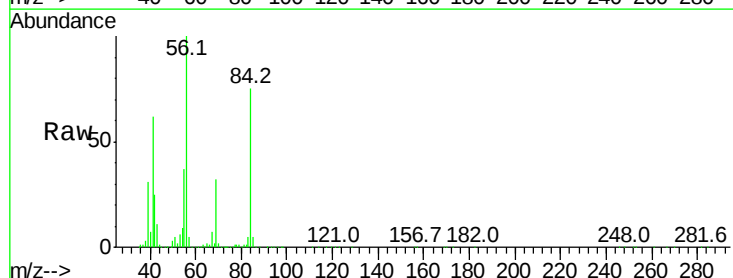
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

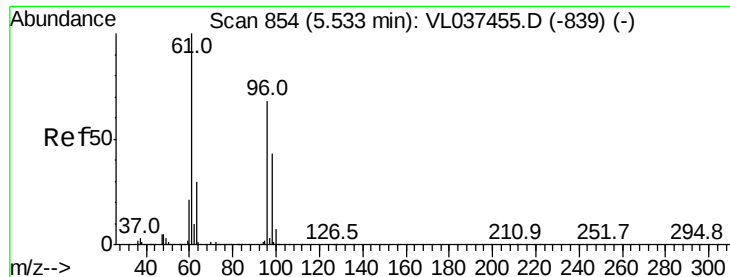
Tgt Ion: 83 Resp: 2838954
Ion Ratio Lower Upper
83 100
85 65.8 52.3 78.5



#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

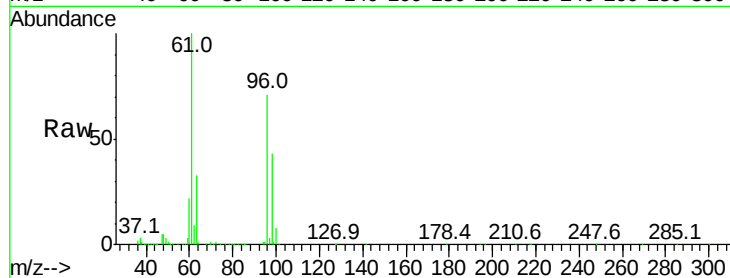
Tgt Ion: 61 Resp: 1863144

Ion Ratio Lower Upper

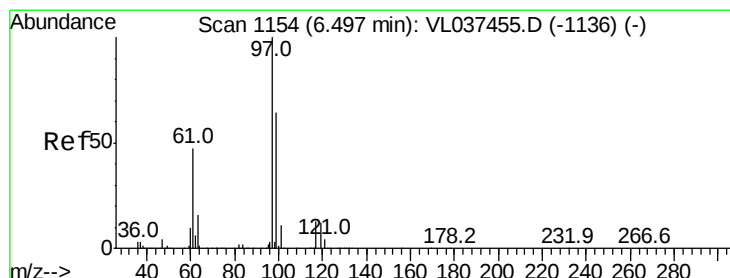
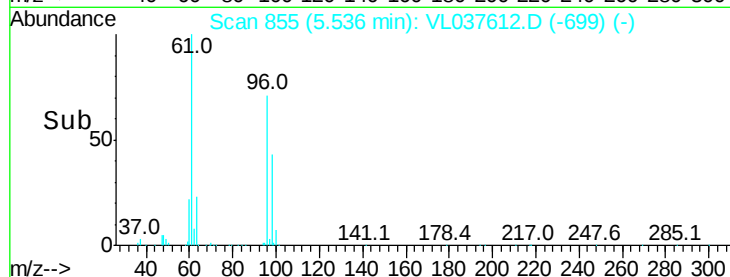
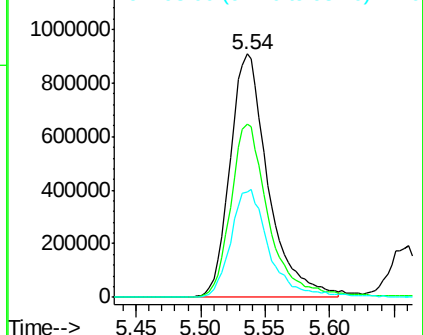
61 100

96 70.9 54.8 82.2

98 43.3 34.2 51.2



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



#32

1,1,1-Trichloroethane

Concen: 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

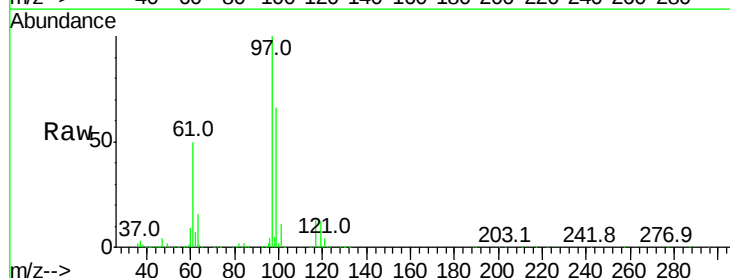
Tgt Ion: 97 Resp: 2717133

Ion Ratio Lower Upper

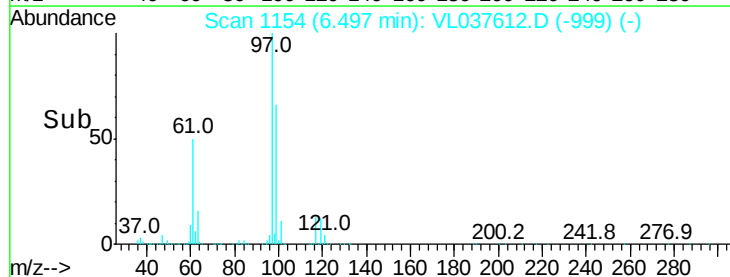
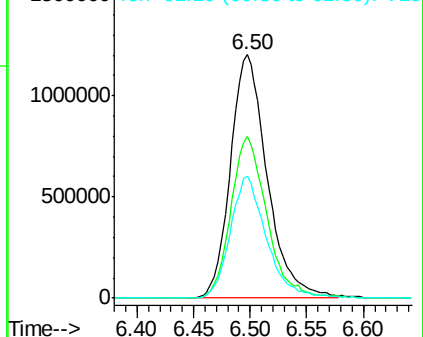
97 100

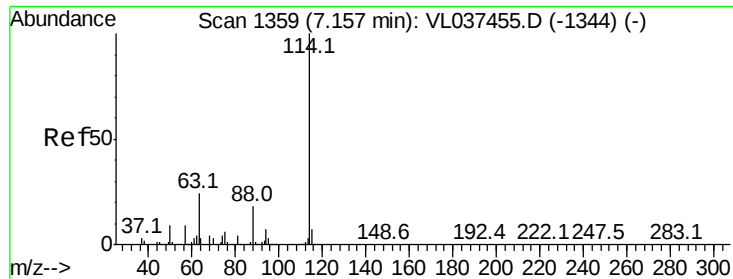
99 65.4 51.8 77.6

61 49.4 39.6 59.4



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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VL037612.D

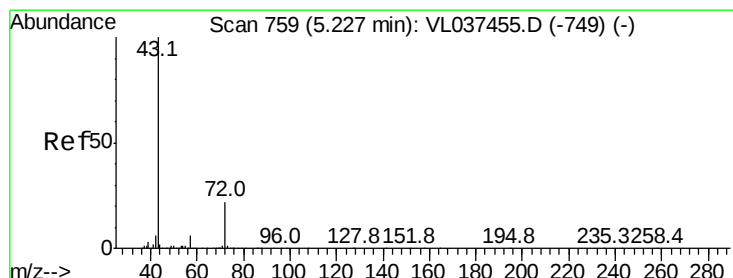
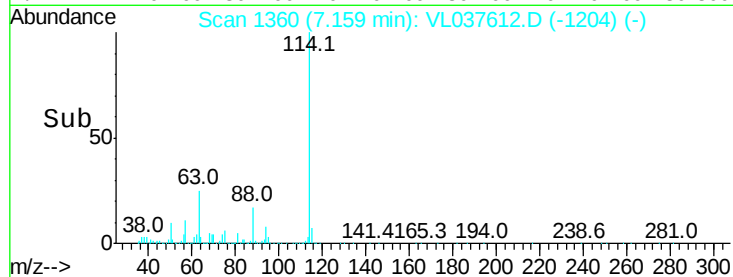
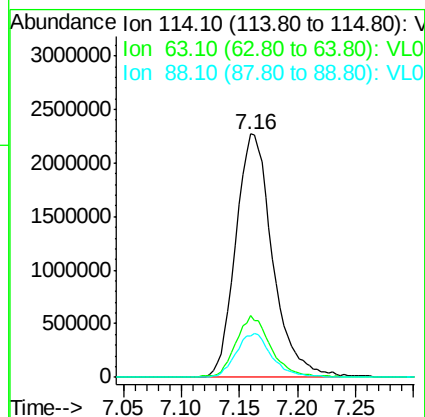
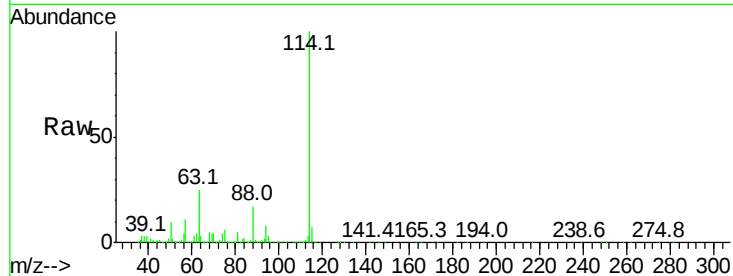
Acq: 16 Sep 2021 10:03

Instrument :
MSVOA_L

ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 4996370

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



#34

2-Butanone

Concen: 9.172 ppbv

RT: 5.23 min Scan# 760

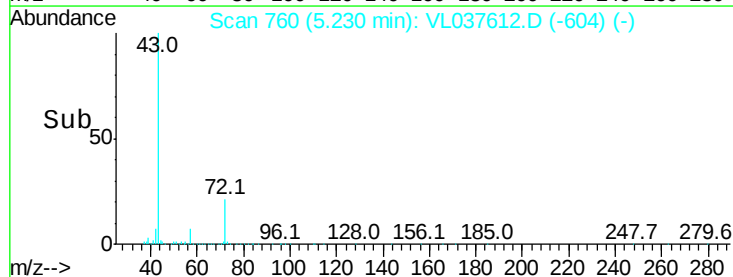
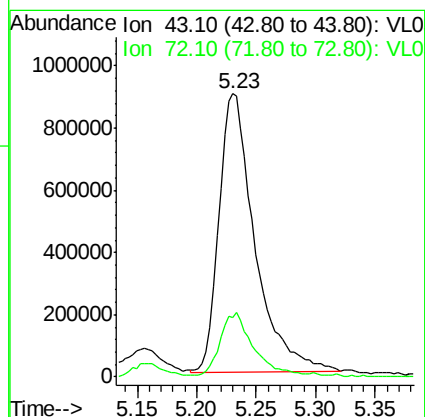
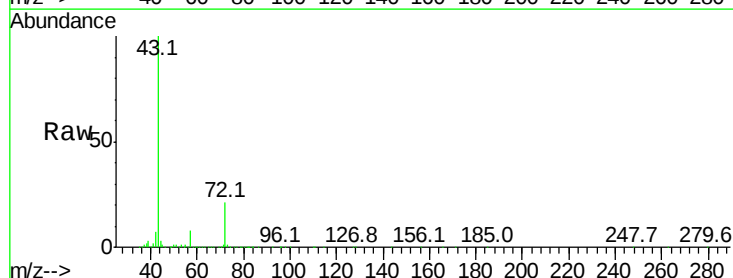
Delta R.T. 0.00 min

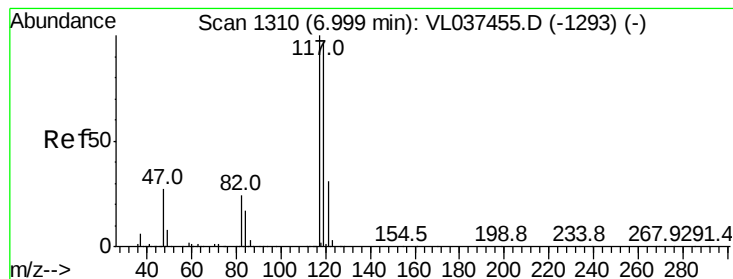
Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

Tgt Ion: 43 Resp: 1871433

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

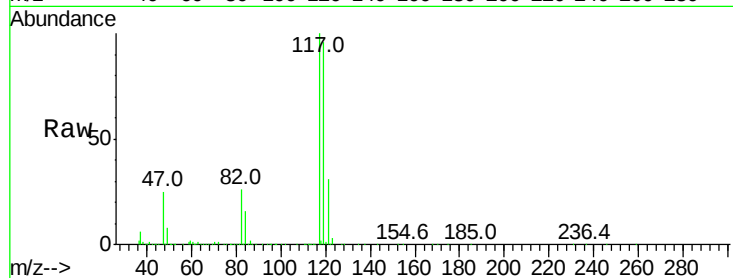
Tgt Ion: 117 Resp: 2829790

Ion Ratio Lower Upper

117 100

119 96.3 77.3 115.9

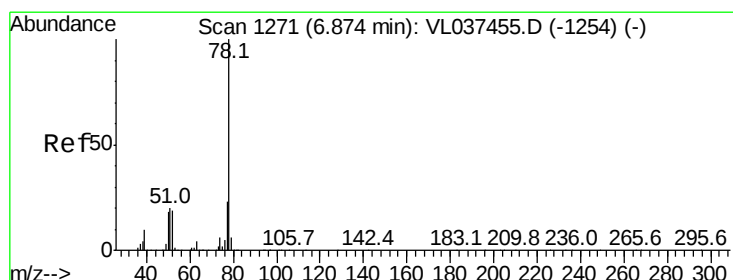
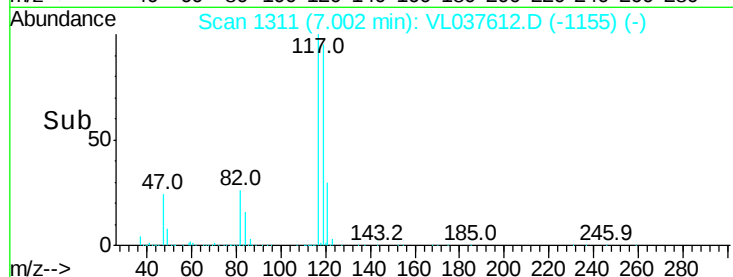
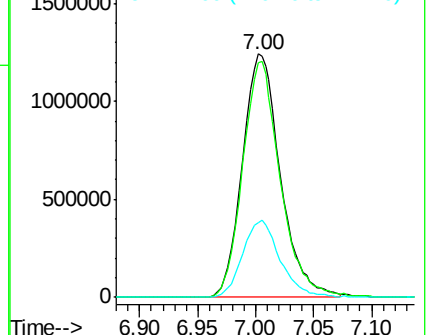
121 30.6 25.2 37.8



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

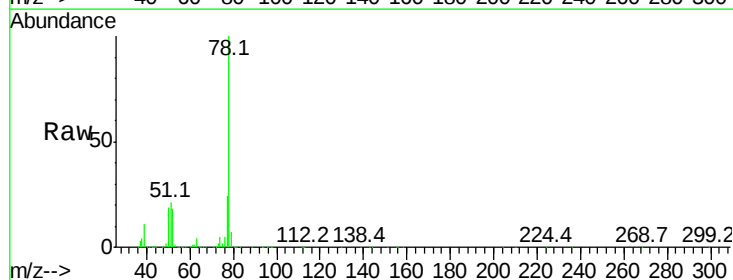
Tgt Ion: 78 Resp: 4102366

Ion Ratio Lower Upper

78 100

77 23.7 18.2 27.4

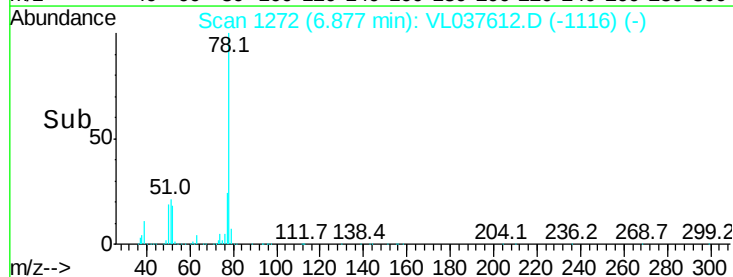
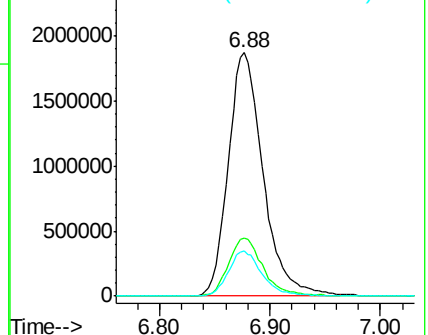
50 18.5 14.6 21.8

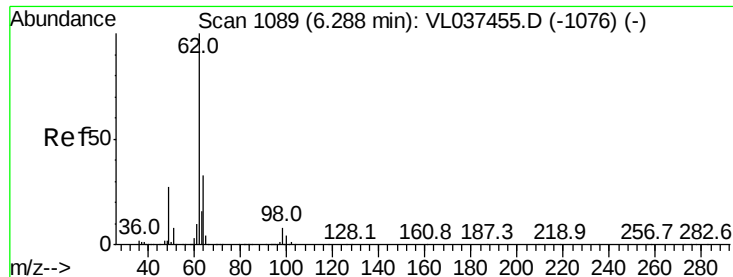


Abundance Ion 78.10 (77.80 to 78.80): VL0

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 :

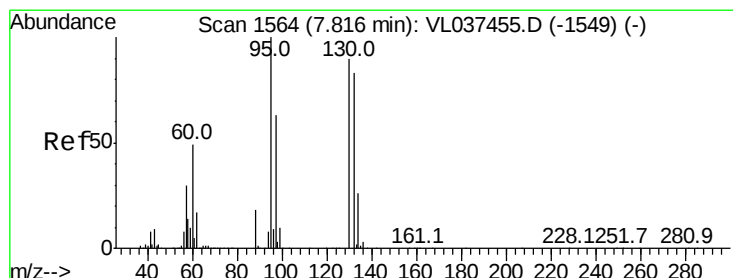
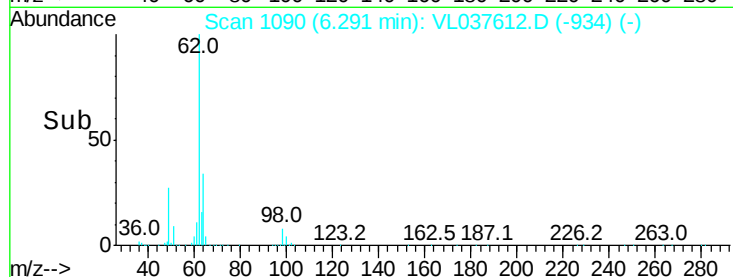
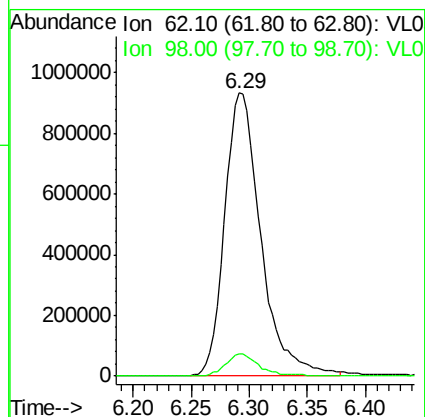
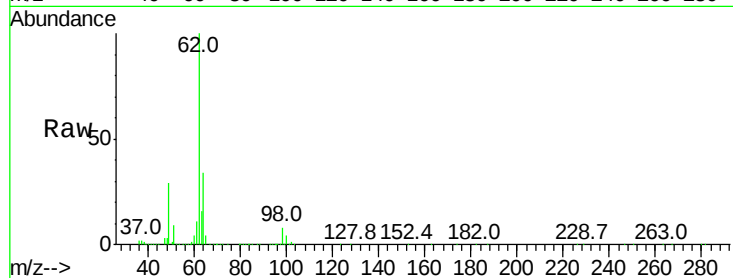
VSTDICCC010

Tgt Ion: 62 Resp: 2010073

Ion Ratio Lower Upper

62 100

98 7.6 6.0 9.0



#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

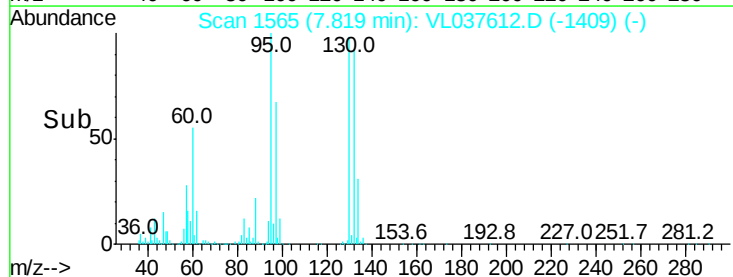
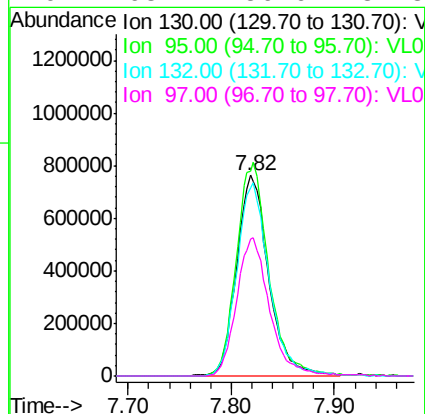
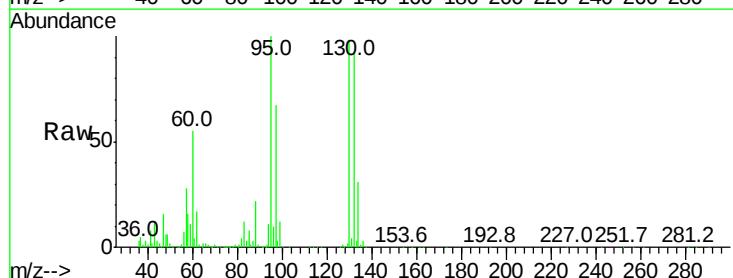
Ion Ratio Lower Upper

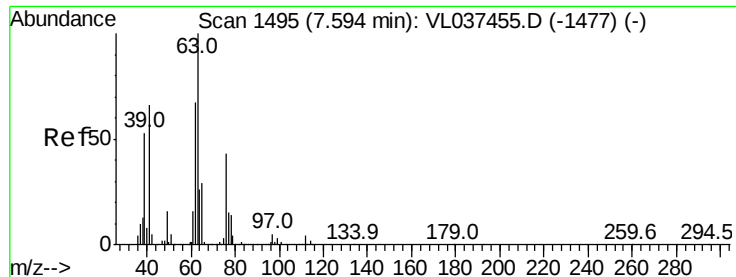
130 100

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

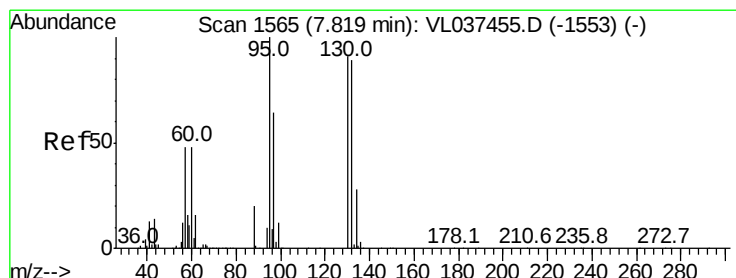
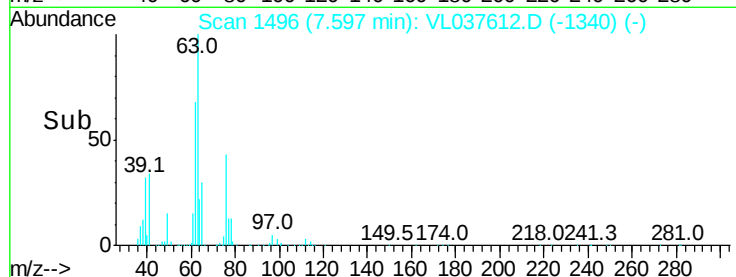
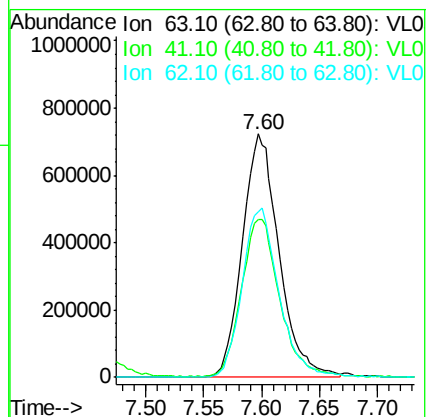
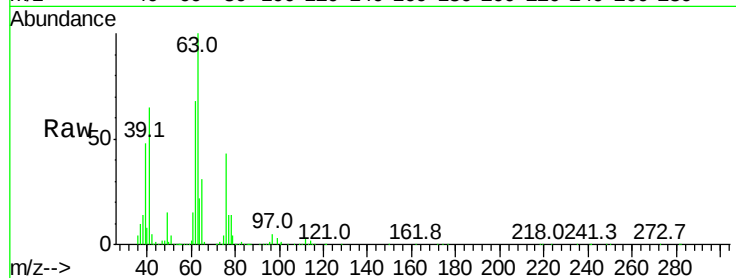
Tgt Ion: 63 Resp: 1588949

Ion Ratio Lower Upper

63 100

41 64.5 52.4 78.6

62 68.2 53.6 80.4



#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: 88 Resp: 412825

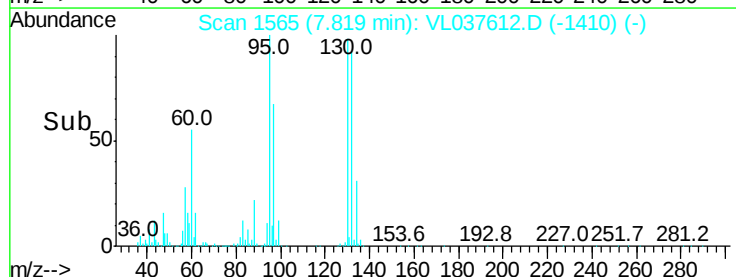
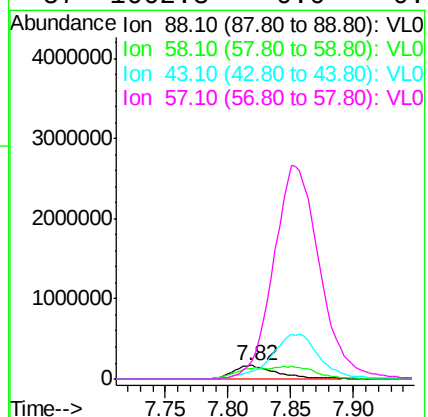
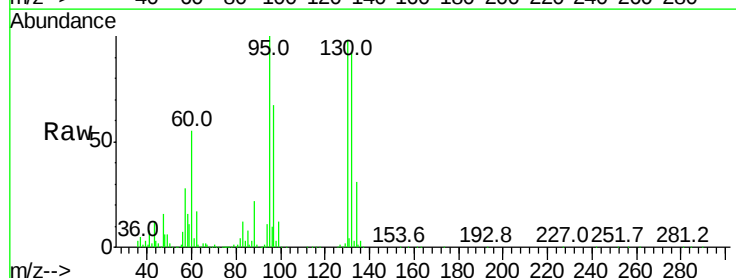
Ion Ratio Lower Upper

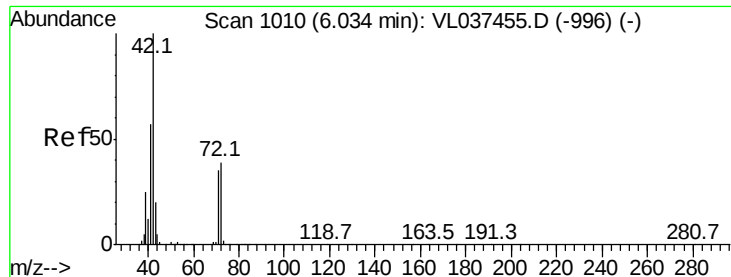
88 100

58 153.0 0.0 0.0#

43 371.7 0.0 0.0#

57 1662.3 0.0 0.0#

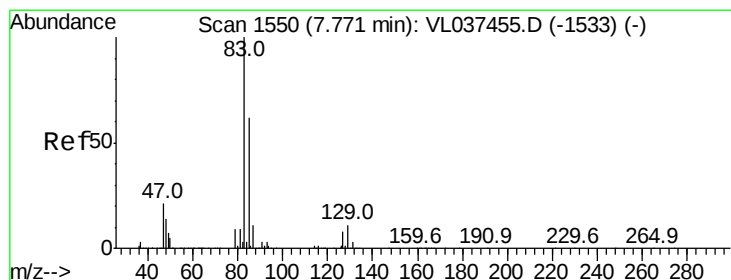
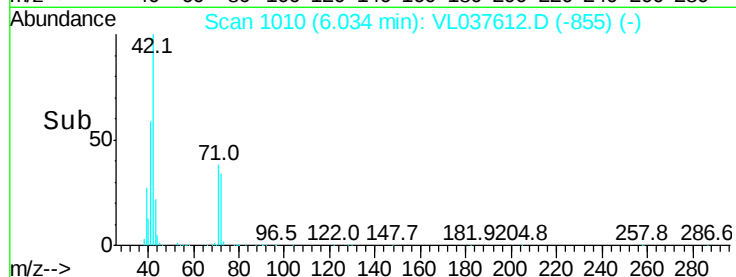
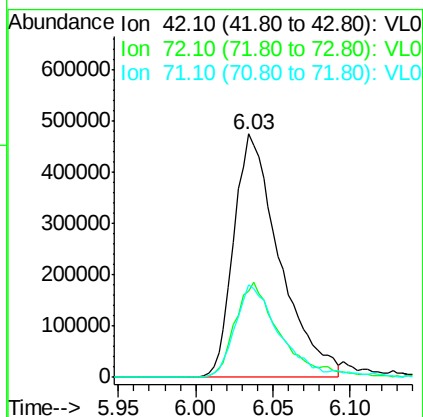
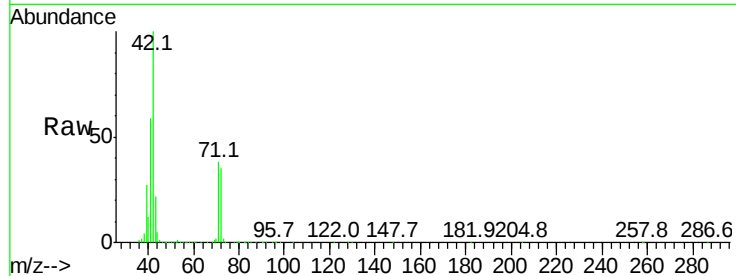




#41
Tetrahydrofuran
Concen: 9.939 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

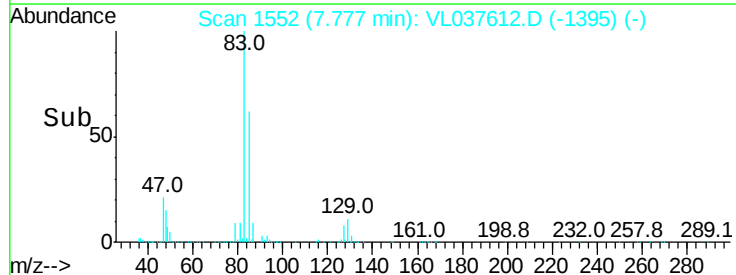
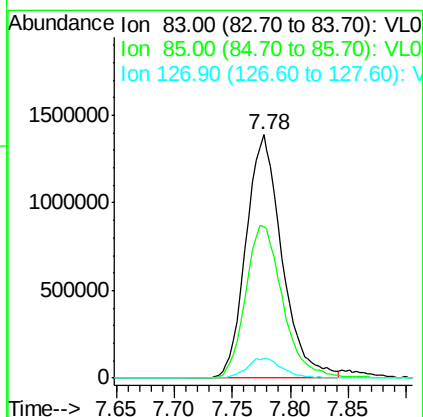
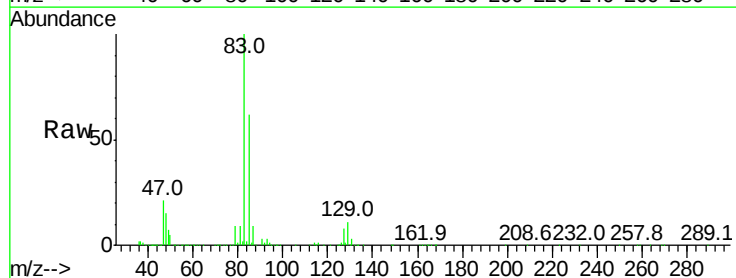
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

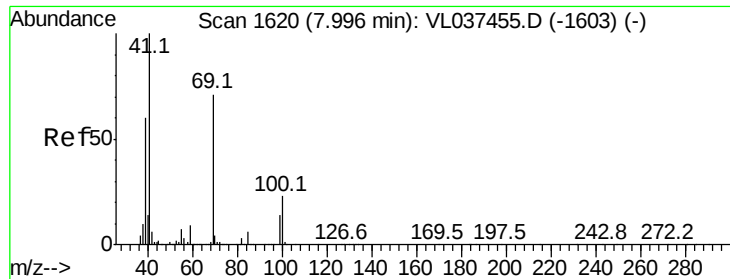
Tgt Ion: 42 Resp: 976819
Ion Ratio Lower Upper
42 100
72 39.3 32.2 48.4
71 38.3 30.5 45.7



#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: 83 Resp: 3007884
Ion Ratio Lower Upper
83 100
85 62.2 49.5 74.3
127 8.0 6.3 9.5

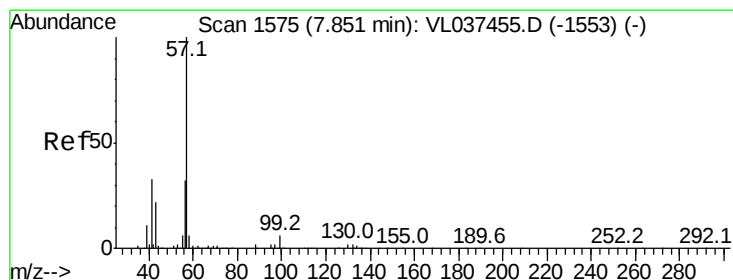
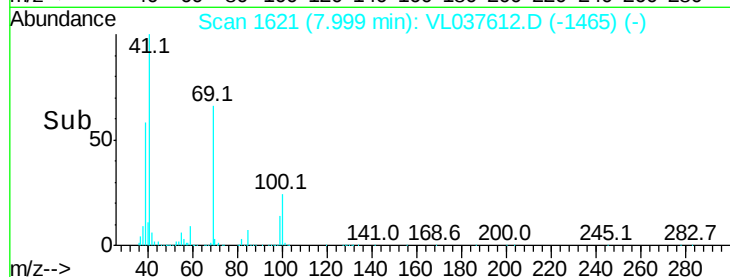
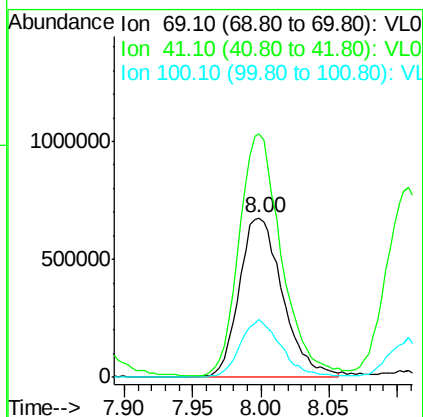
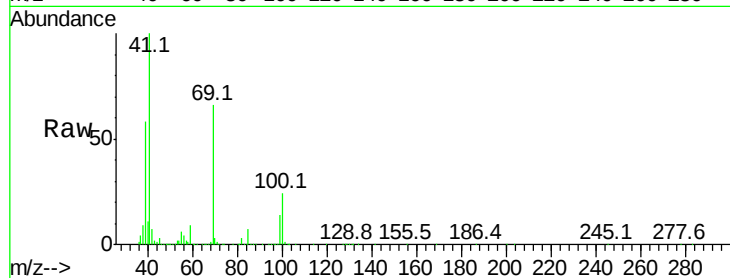




#43
Methyl Methacrylate
Concen: 10.246 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

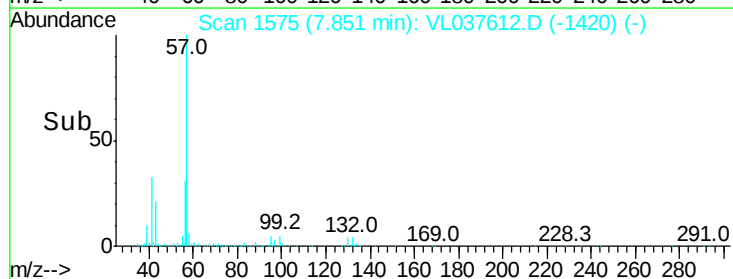
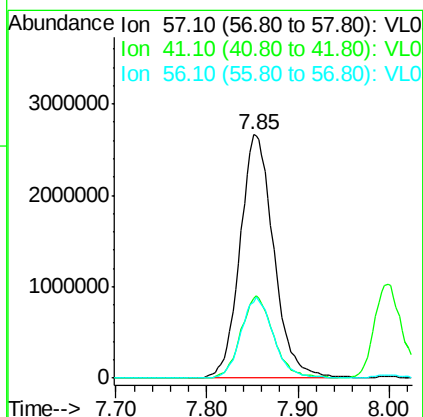
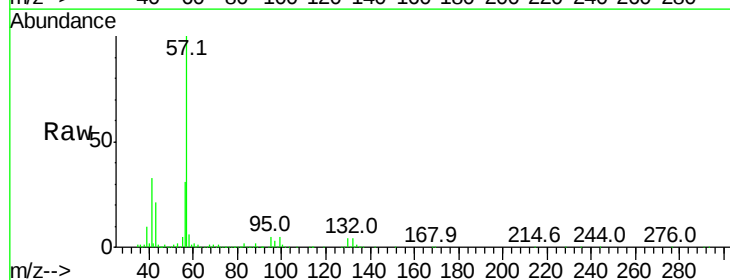
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

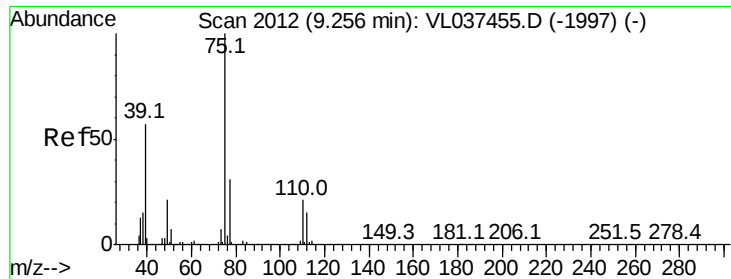
Tgt Ion: 69 Resp: 1499859
Ion Ratio Lower Upper
69 100
41 148.7 118.6 178.0
100 34.5 27.4 41.0



#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

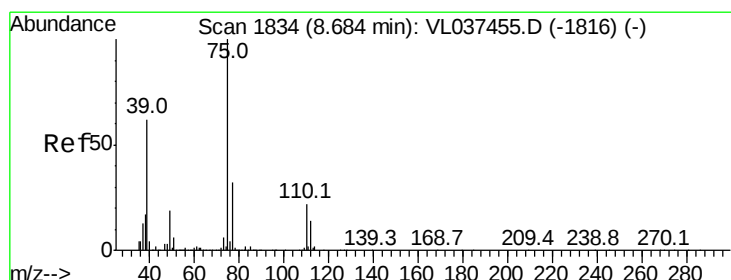
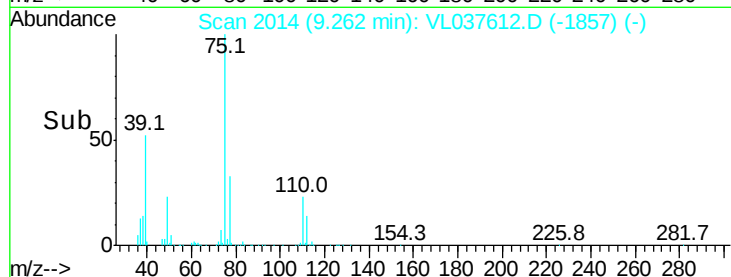
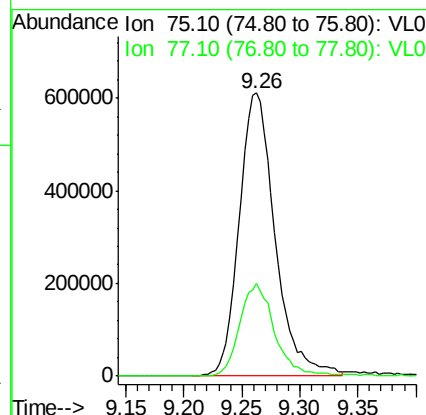
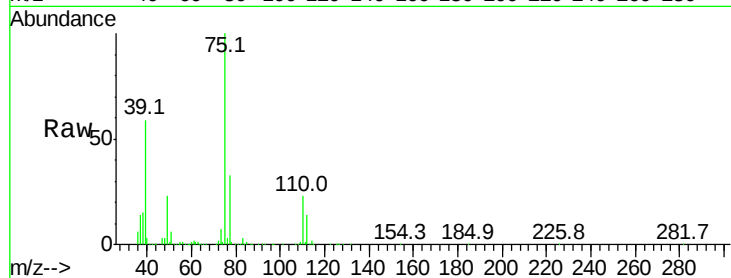




#45
t-1,3-Dichloropropene
Concen: 11.895 ppbv
RT: 9.26 min Scan# 2014
Delta R.T. 0.01 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

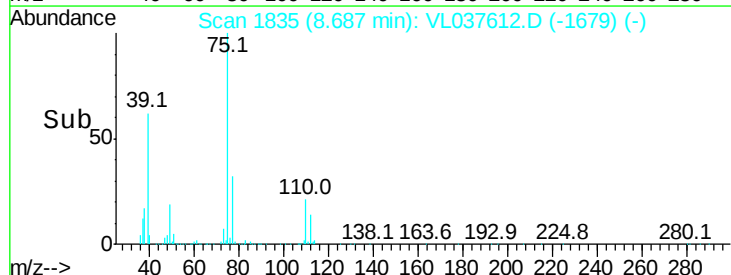
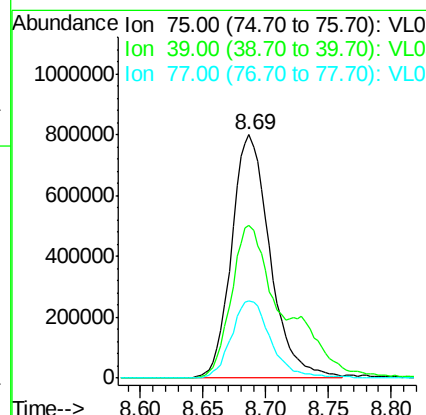
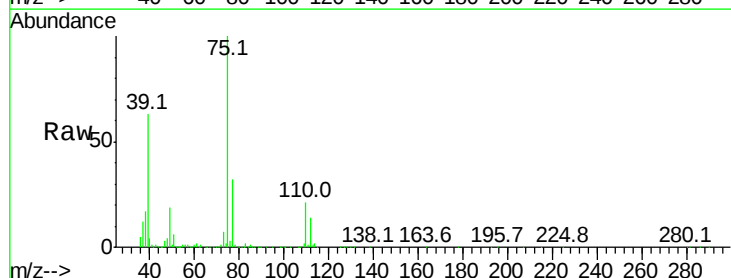
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

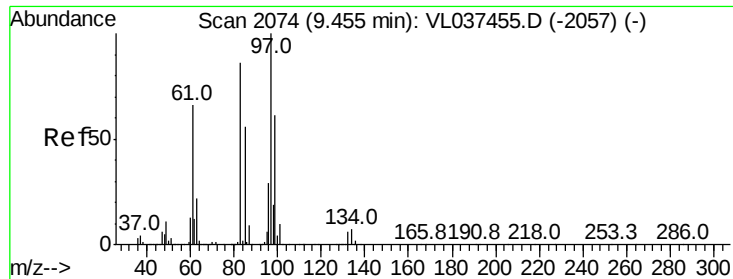
Tgt Ion: 75 Resp: 1310869
Ion Ratio Lower Upper
75 100
77 32.9 24.5 36.7



#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

Tgt Ion: 97 Resp: 1714606

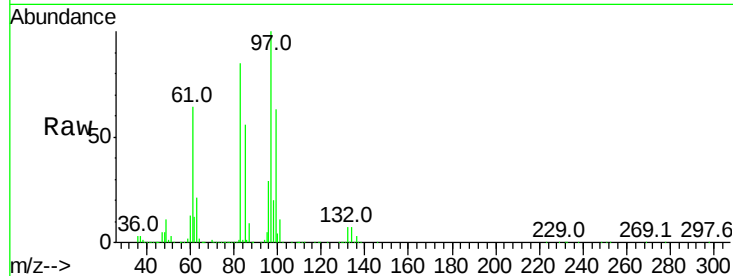
Ion Ratio Lower Upper

97 100

83 84.9 68.7 103.1

85 56.0 44.7 67.1

99 62.6 48.6 72.8

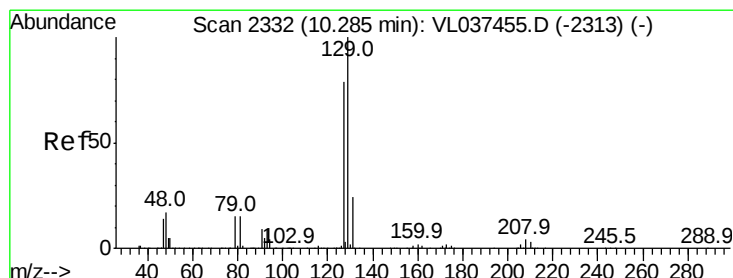
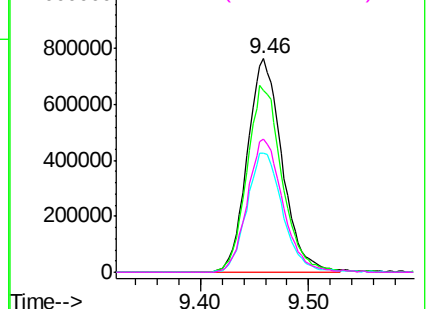
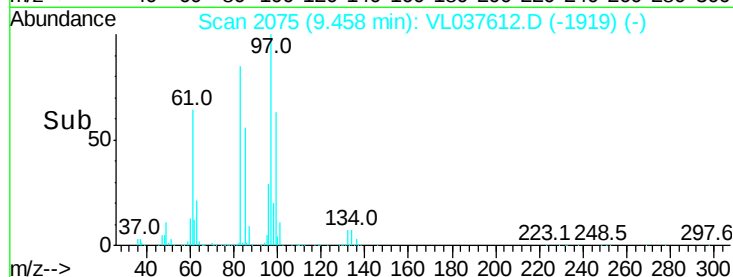


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.713 ppbv

RT: 10.29 min Scan# 2333

Delta R.T. 0.00 min

Lab File: VL037612.D

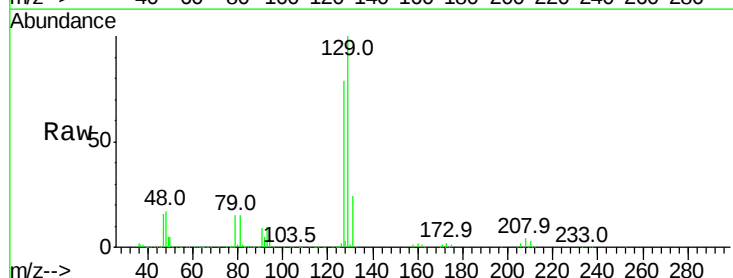
Acq: 16 Sep 2021 10:03

Tgt Ion: 129 Resp: 2688532

Ion Ratio Lower Upper

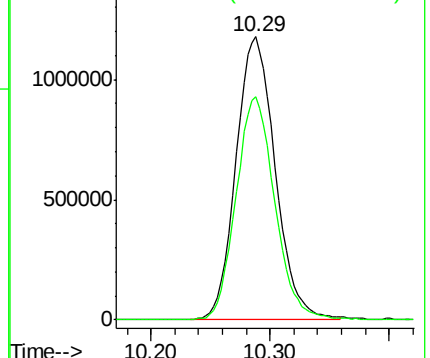
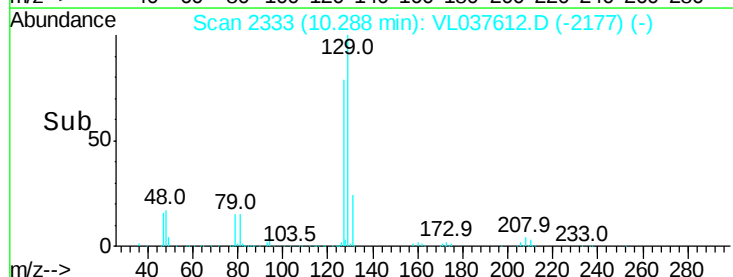
129 100

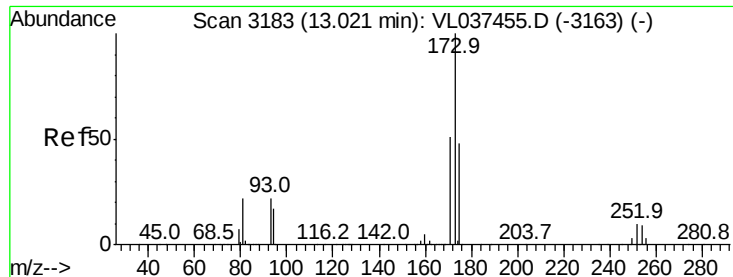
127 78.5 40.0 120.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#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

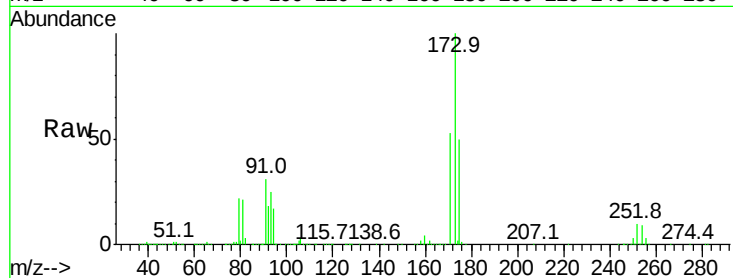
Tgt Ion:173 Resp: 2295813

Ion Ratio Lower Upper

173 100

175 49.8 41.9 62.9

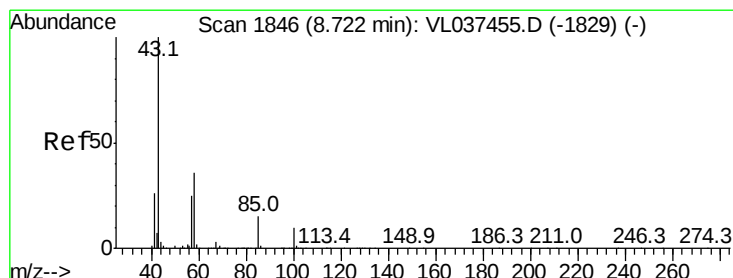
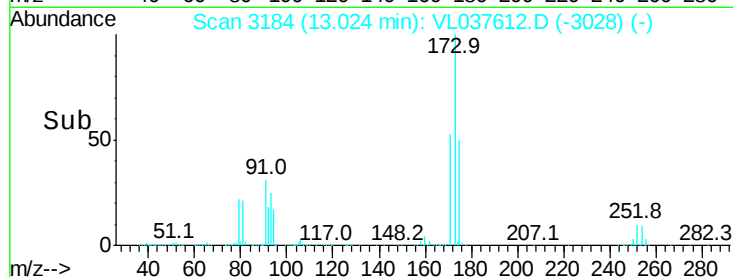
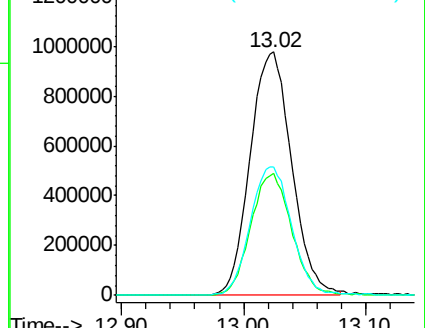
171 52.8 44.2 66.4



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: 10.055 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL037612.D

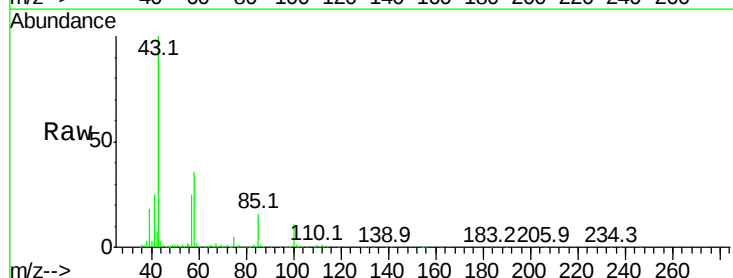
Acq: 16 Sep 2021 10:03

Tgt Ion: 43 Resp: 2676370

Ion Ratio Lower Upper

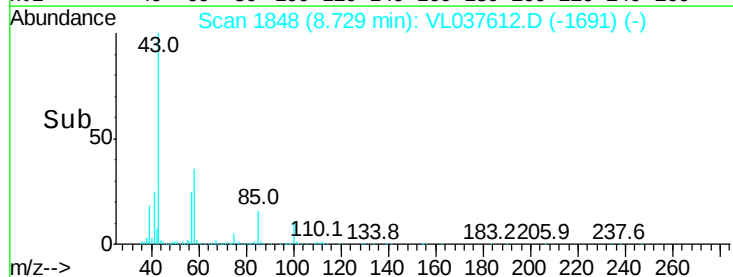
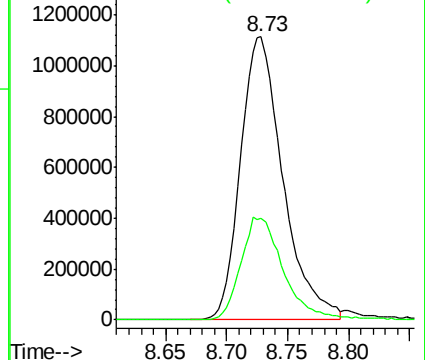
43 100

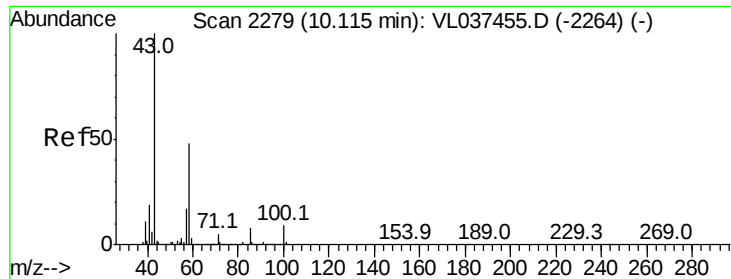
58 36.8 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

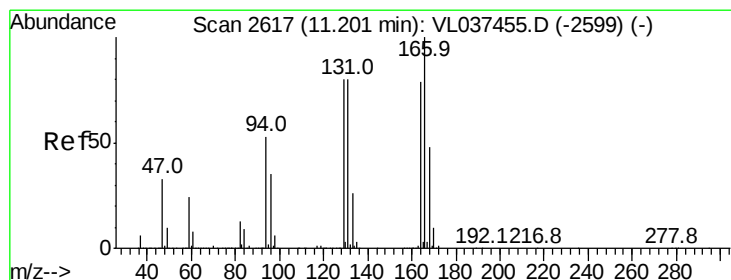
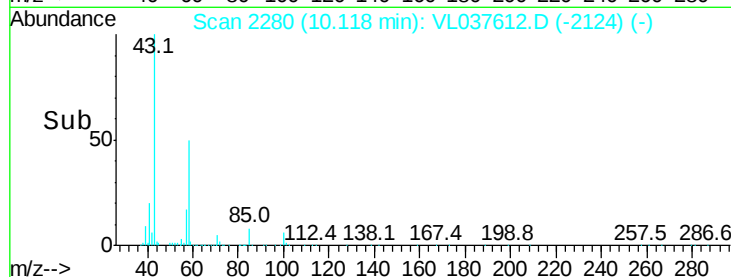
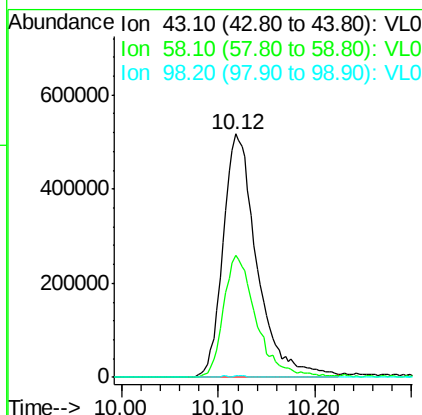
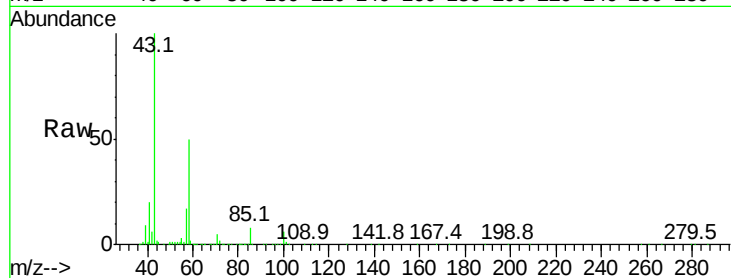




#51
2-Hexanone
Concen: 10.315 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

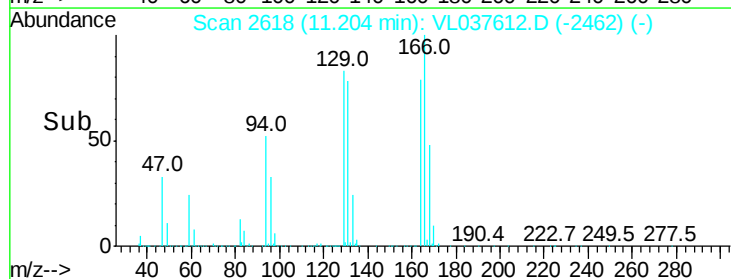
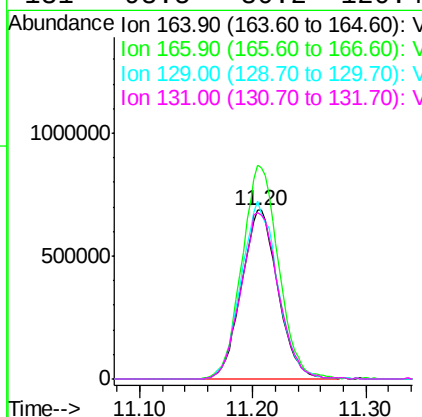
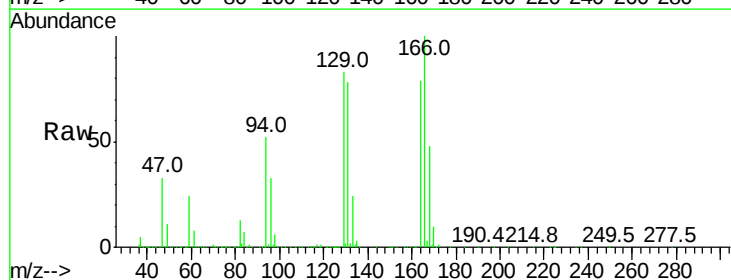
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

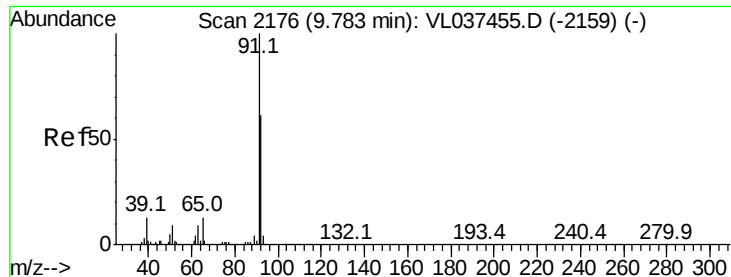
Tgt Ion: 43 Resp: 1262879
Ion Ratio Lower Upper
43 100
58 49.1 41.0 61.6
98 0.5 0.3 0.5#



#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 :

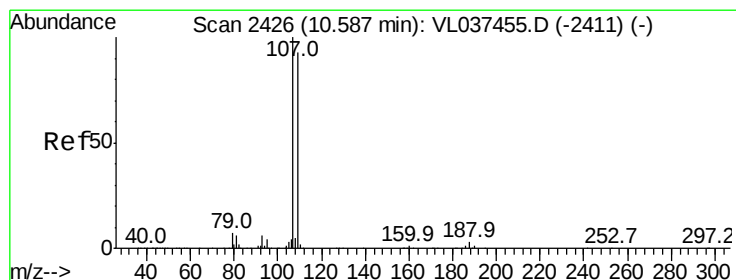
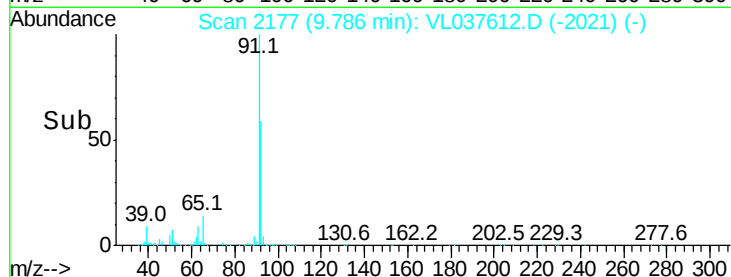
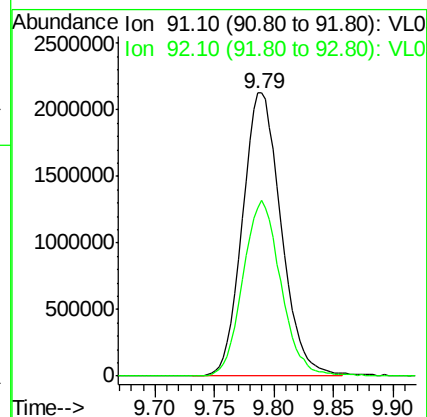
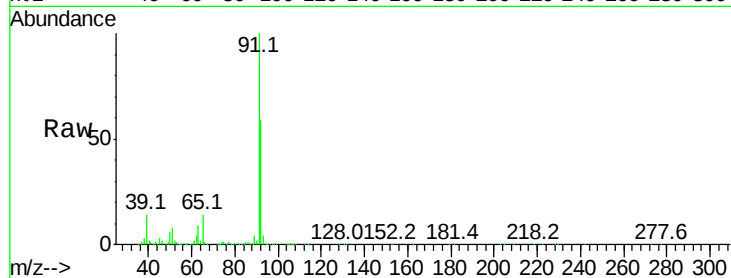
VSTDICCC010

Tgt Ion: 91 Resp: 4792119

Ion Ratio Lower Upper

91 100

92 61.1 48.8 73.2



#54

1,2-Dibromoethane

Concen: 10.059 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL037612.D

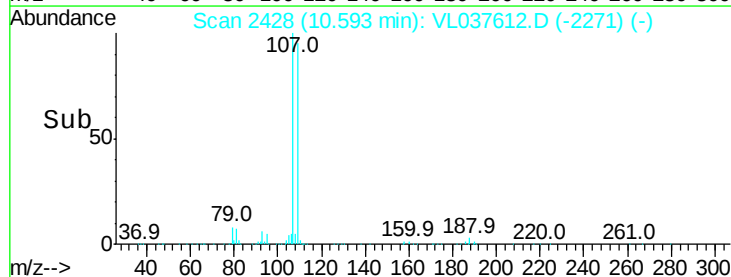
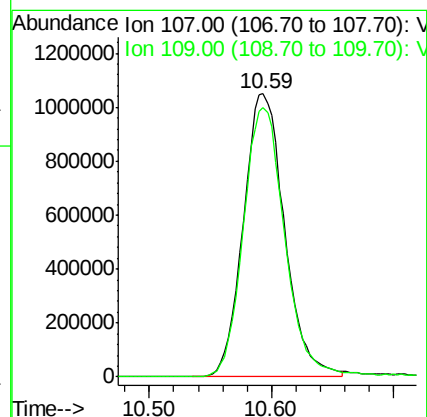
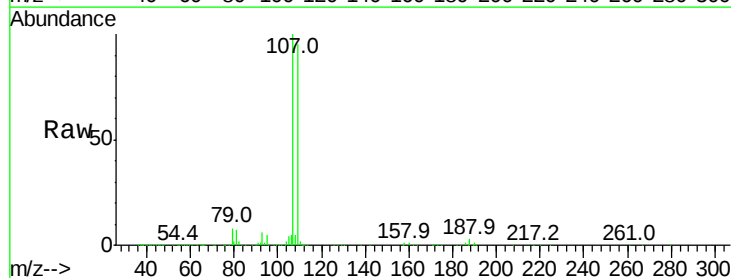
Acq: 16 Sep 2021 10:03

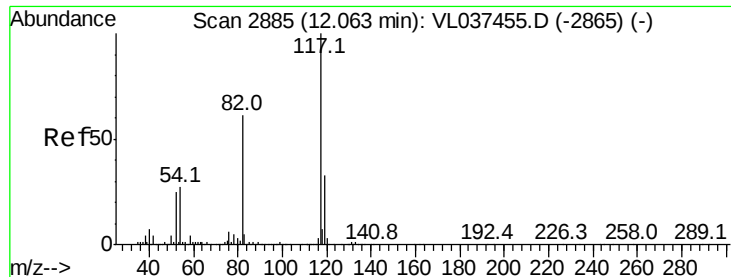
Tgt Ion: 107 Resp: 2449001

Ion Ratio Lower Upper

107 100

109 95.0 74.2 111.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

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

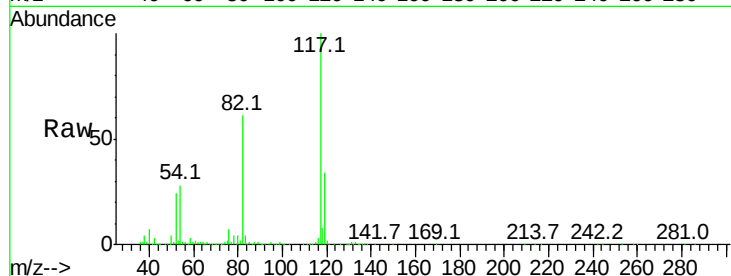
Tgt Ion:117 Resp: 5769383

Ion Ratio Lower Upper

117 100

82 49.8 52.9 79.3#

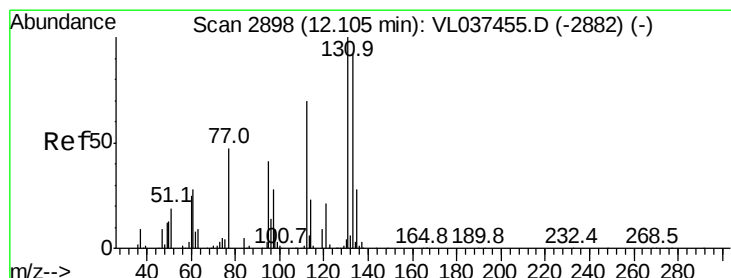
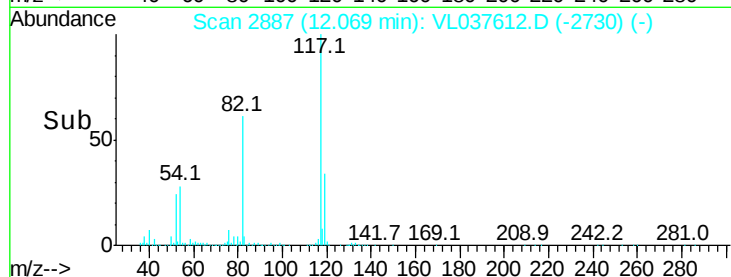
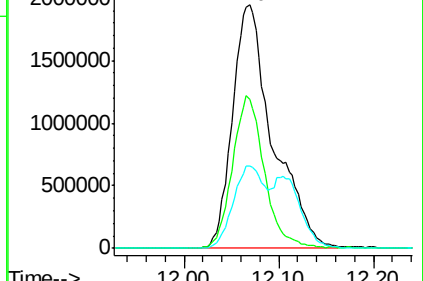
119 25.8 24.8 37.2



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.772 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.01 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

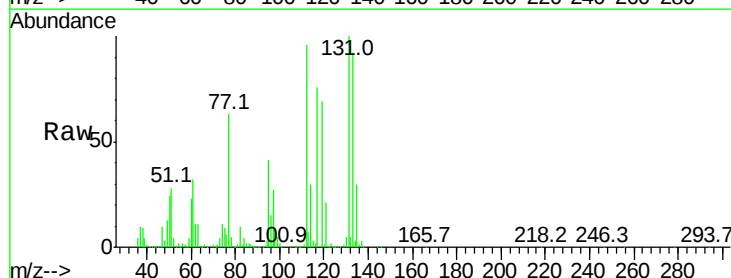
Tgt Ion:131 Resp: 1868475

Ion Ratio Lower Upper

131 100

133 96.0 78.7 118.1

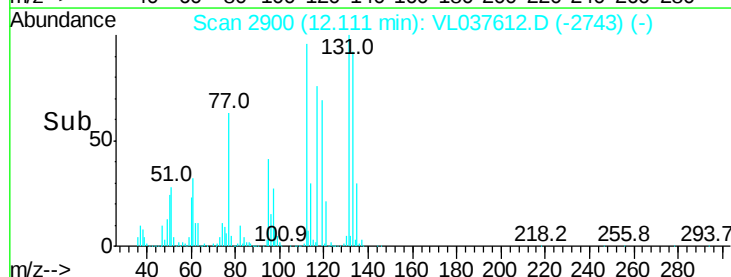
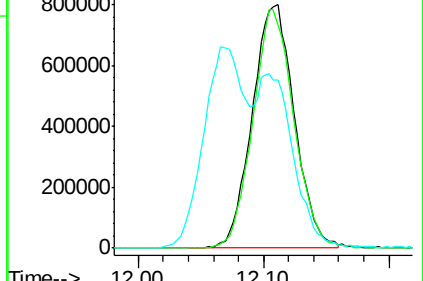
119 59.8 56.6 85.0

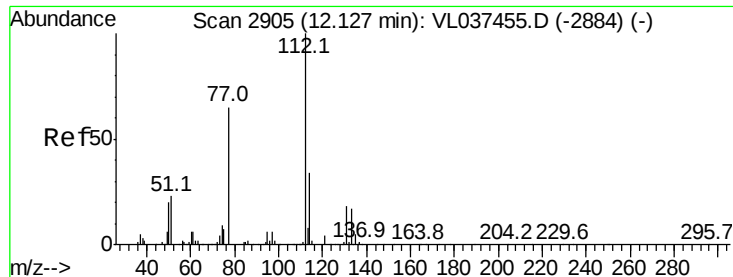


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.566 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

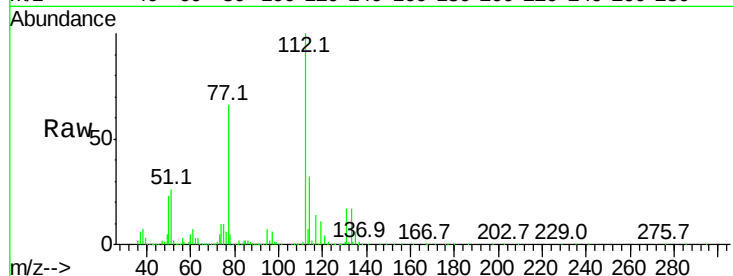
Tgt Ion:112 Resp: 3622441

Ion Ratio Lower Upper

112 100

77 65.1 51.6 77.4

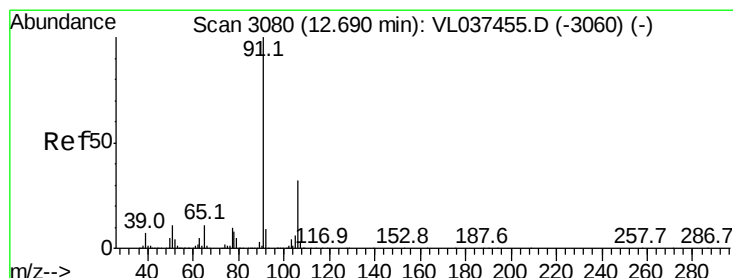
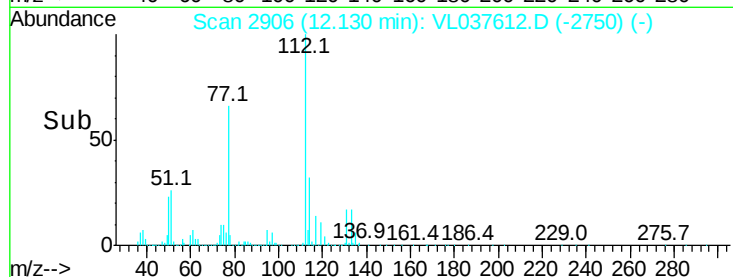
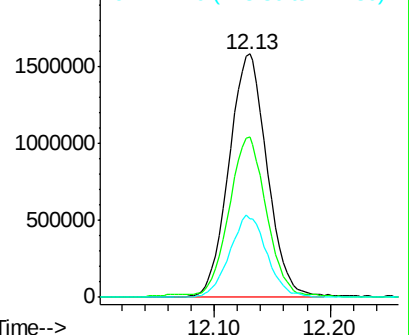
114 32.4 30.7 37.5



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: 7.830 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VL037612.D

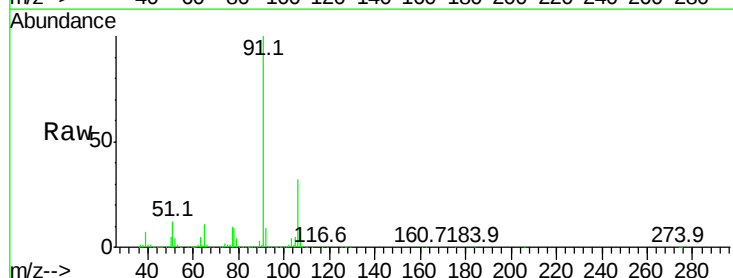
Acq: 16 Sep 2021 10:03

Tgt Ion: 91 Resp: 6268831

Ion Ratio Lower Upper

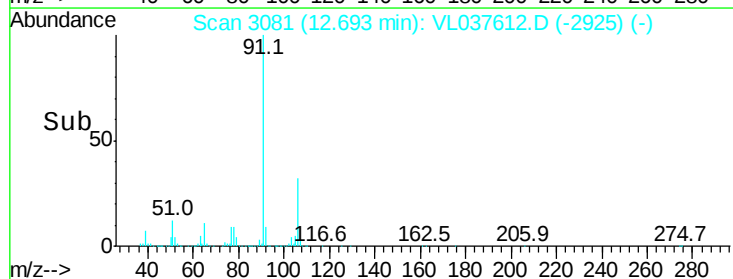
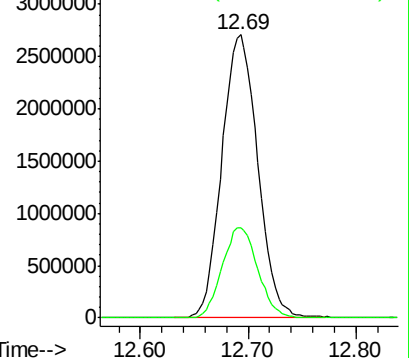
91 100

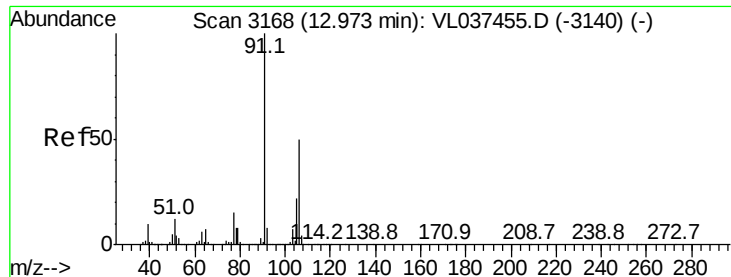
106 31.6 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

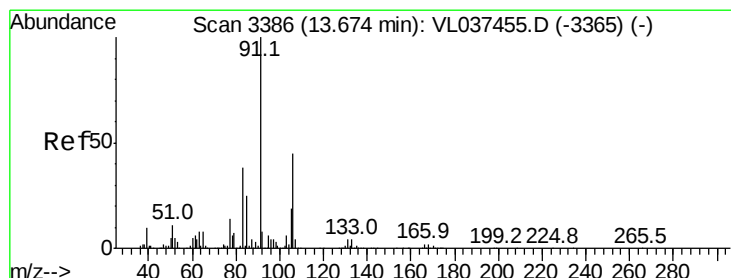
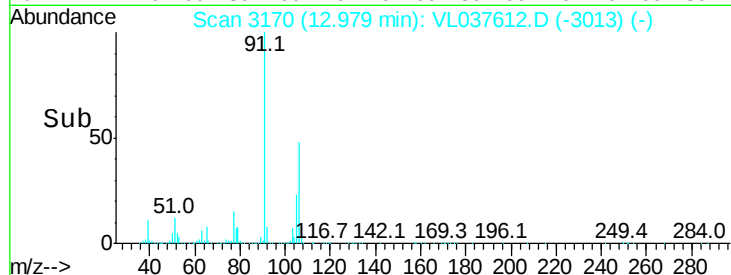
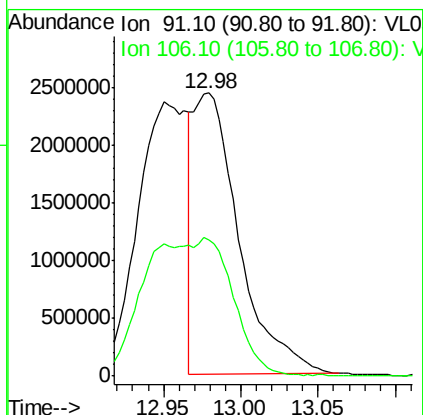
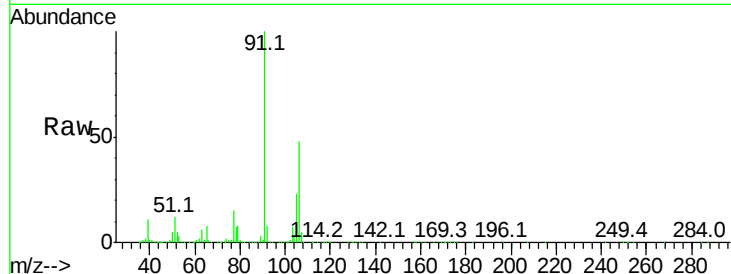




#59
m/p-Xylene
Concen: 7.198 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. 0.01 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

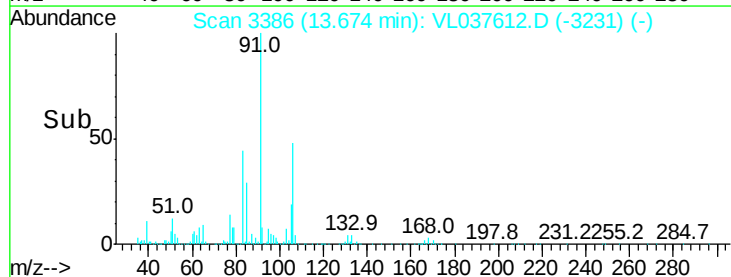
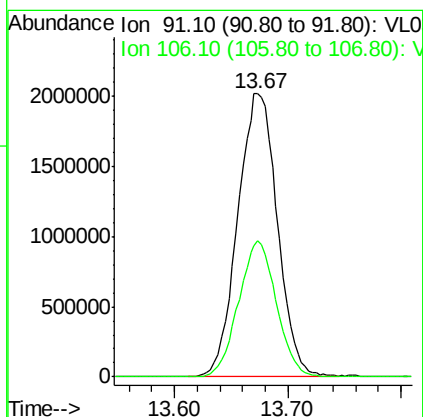
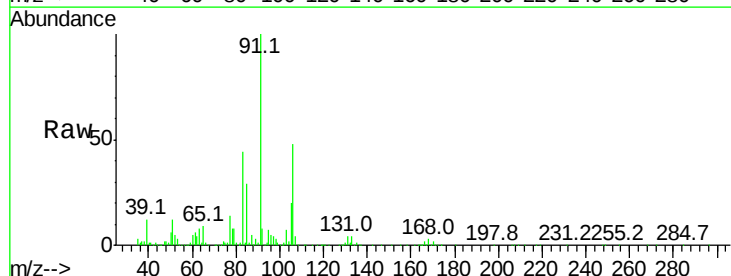
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

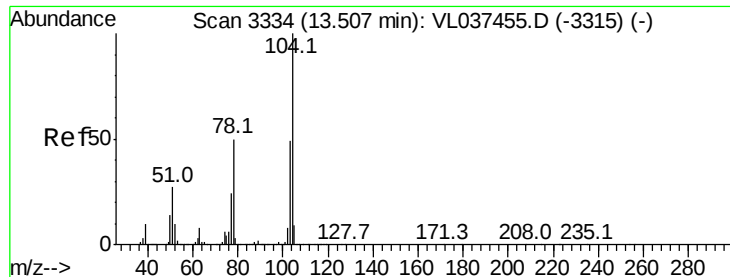
Tgt Ion: 91 Resp: 4996153
Ion Ratio Lower Upper
91 100
106 95.8 36.9 55.3#



#60
o-Xylene
Concen: 7.583 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

Styrene

Concen: 8.448 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

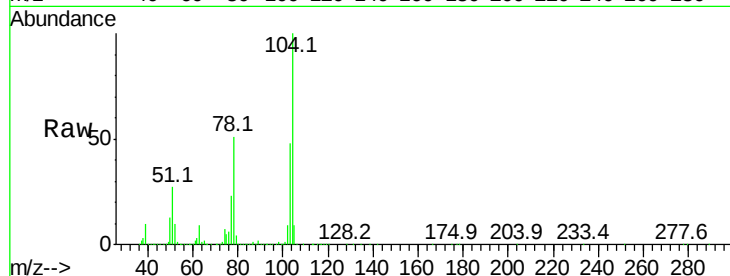
Tgt Ion:104 Resp: 2842909

Ion Ratio Lower Upper

104 100

78 49.6 41.3 61.9

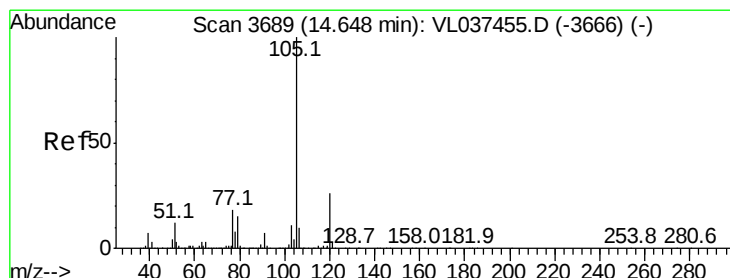
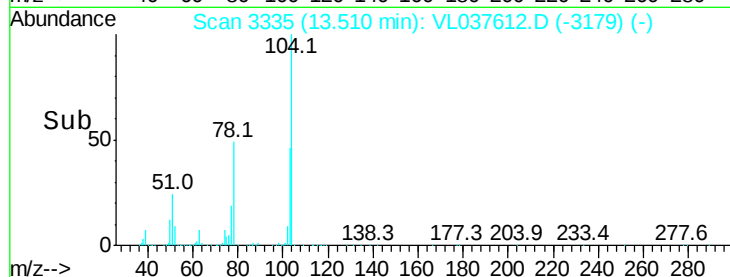
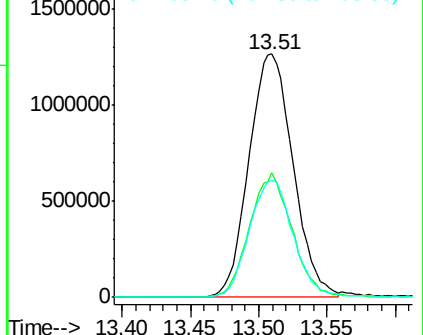
103 48.5 39.4 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.435 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. -0.00 min

Lab File: VL037612.D

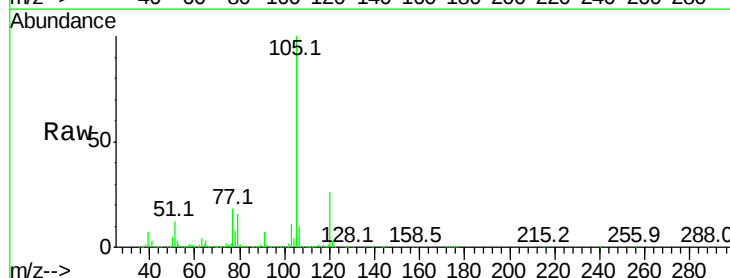
Acq: 16 Sep 2021 10:03

Tgt Ion:105 Resp: 6798048

Ion Ratio Lower Upper

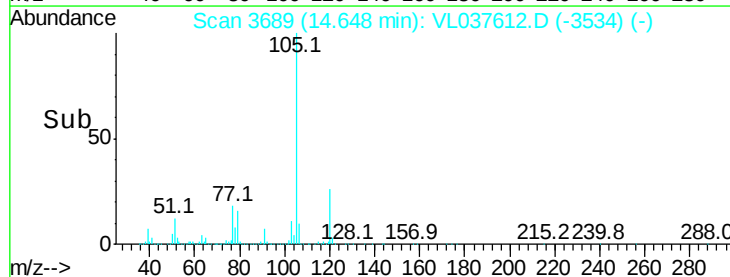
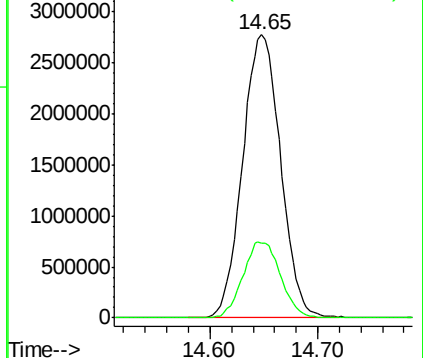
105 100

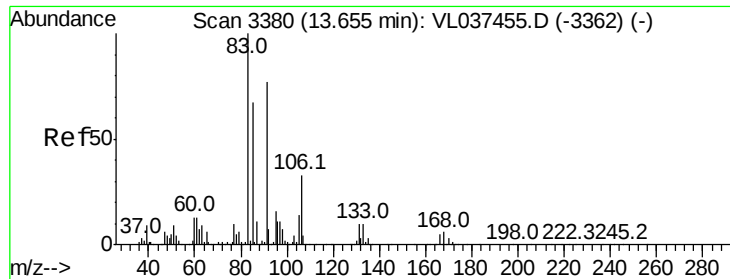
120 26.7 21.5 32.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.268 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

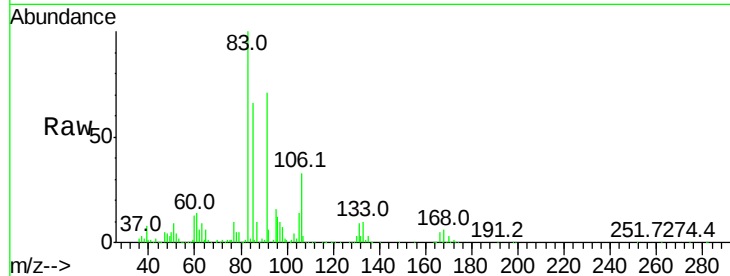
Tgt Ion: 83 Resp: 3499174

Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

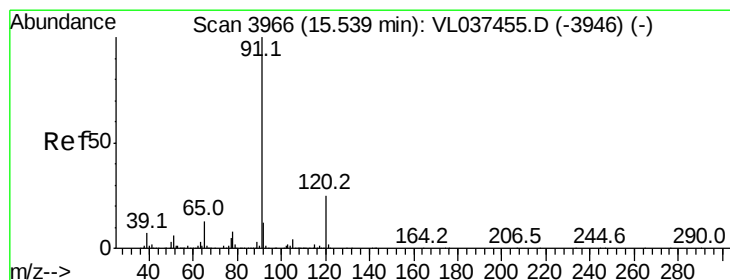
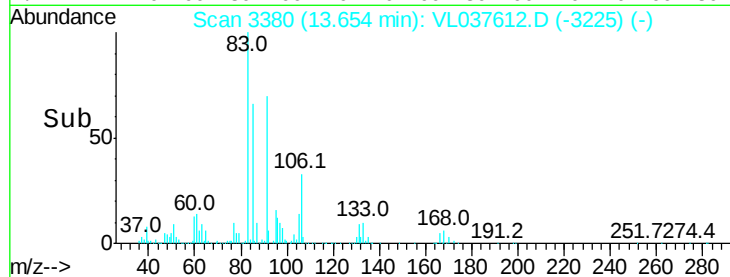
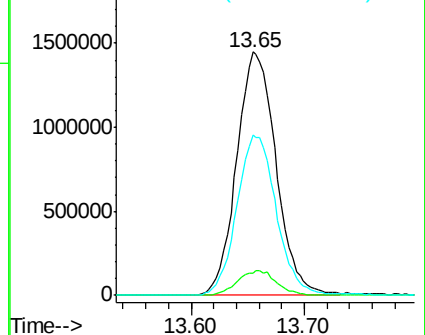
85 66.6 33.8 101.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.014 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

Lab File: VL037612.D

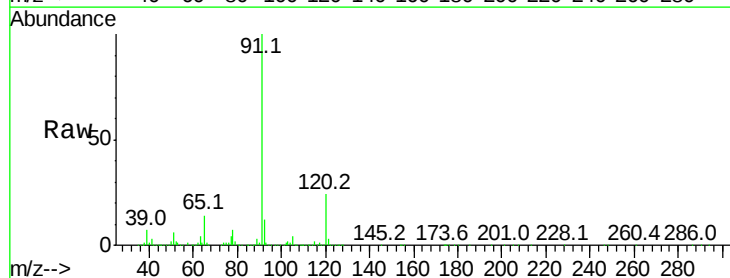
Acq: 16 Sep 2021 10:03

Tgt Ion: 120 Resp: 1864628

Ion Ratio Lower Upper

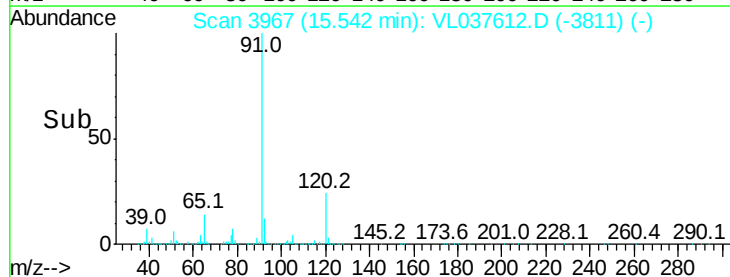
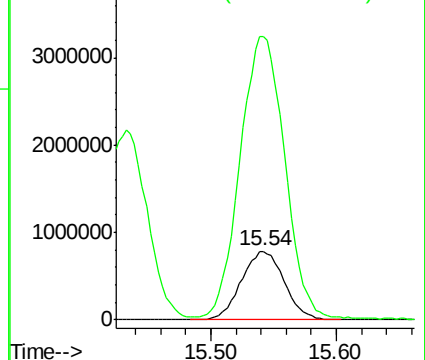
120 100

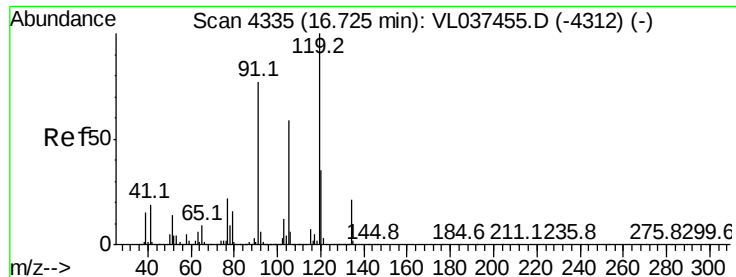
91 431.2 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

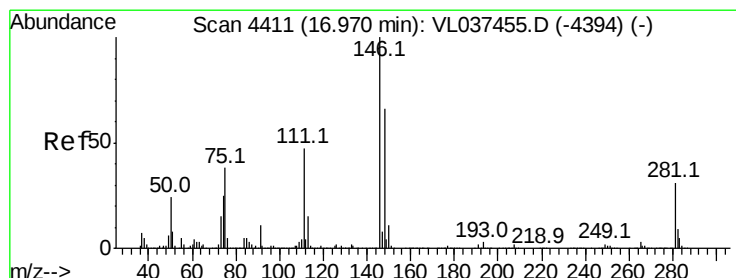
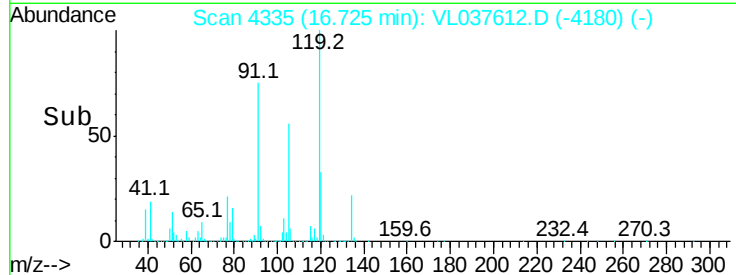
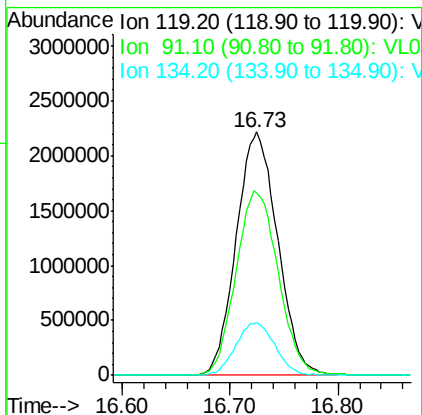
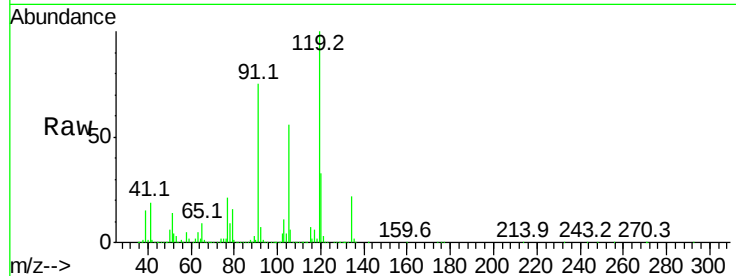




#65
 tert-Butylbenzene
 Concen: 7.117 ppbv
 RT: 16.73 min Scan# 4335
 Delta R.T. -0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

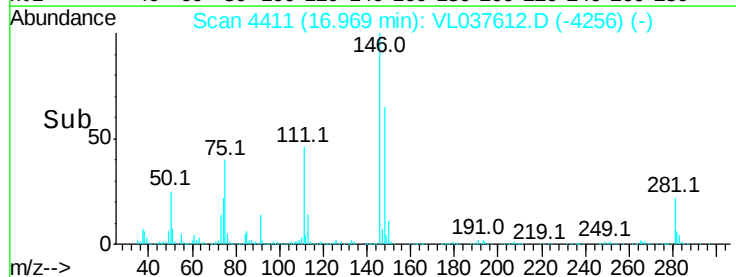
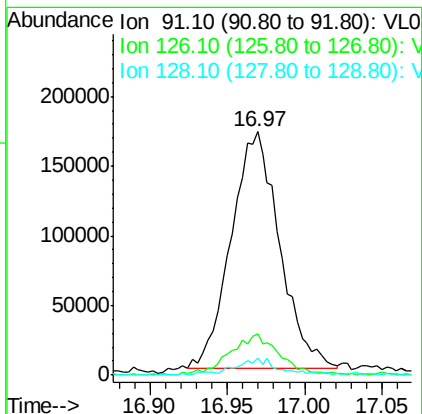
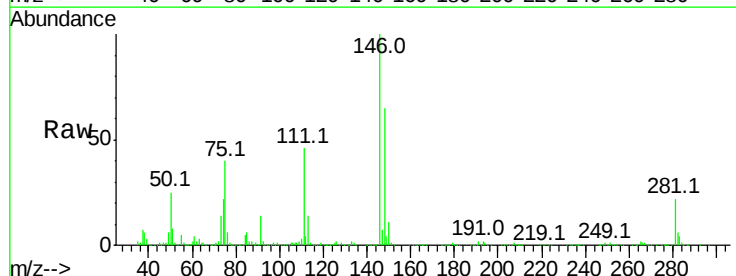
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

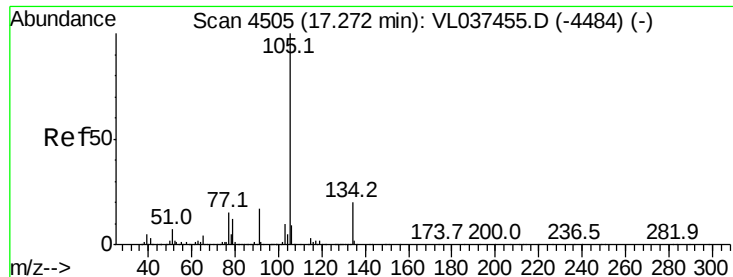
Tgt Ion: 119 Resp: 5926380
 Ion Ratio Lower Upper
 119 100
 91 77.4 62.9 94.3
 134 20.6 16.4 24.6



#66
 Benzyl Chloride
 Concen: 9.805 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





#67

sec-Butylbenzene

Concen: 7.040 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 :

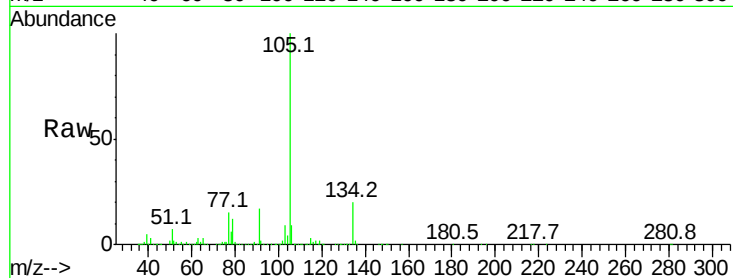
VSTDICCC010

Tgt Ion:105 Resp: 8190676

Ion Ratio Lower Upper

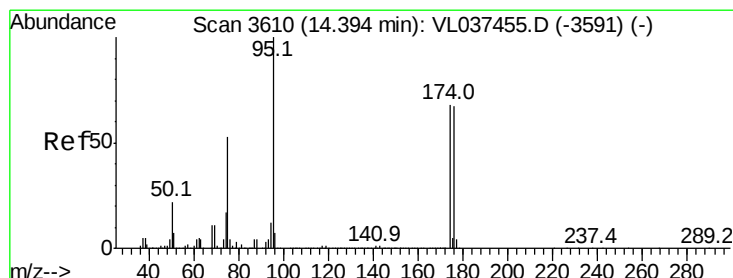
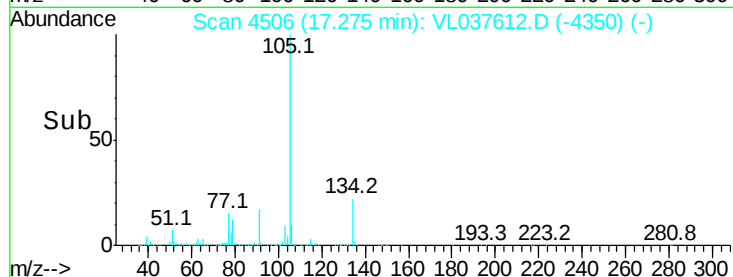
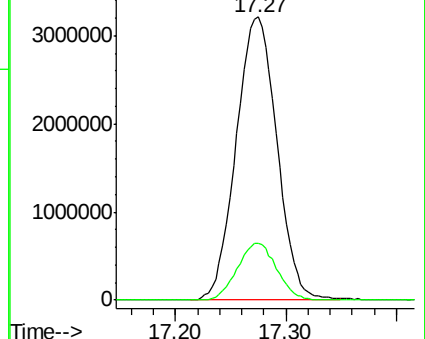
105 100

134 19.6 15.2 22.8



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: 8.515 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

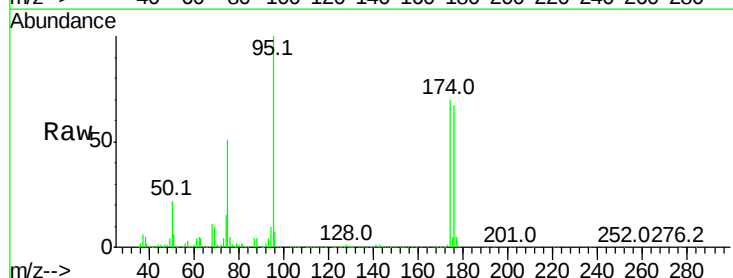
Tgt Ion: 95 Resp: 3490134

Ion Ratio Lower Upper

95 100

174 70.4 59.6 89.4

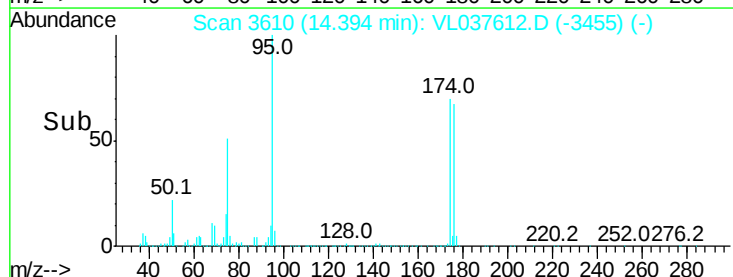
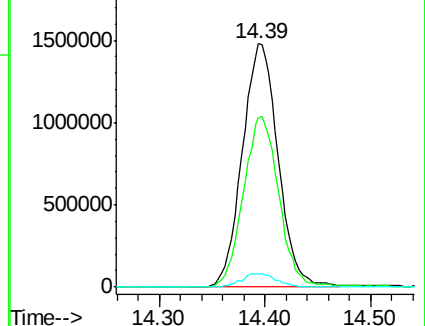
175 5.5 4.6 7.0

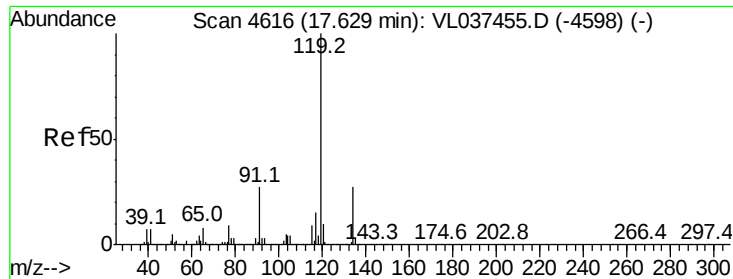


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

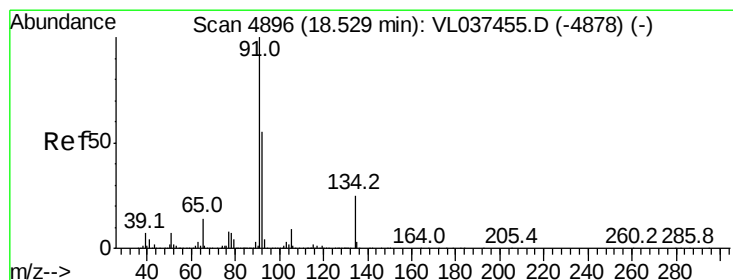
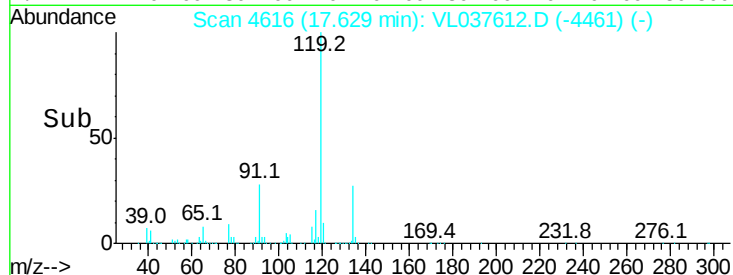
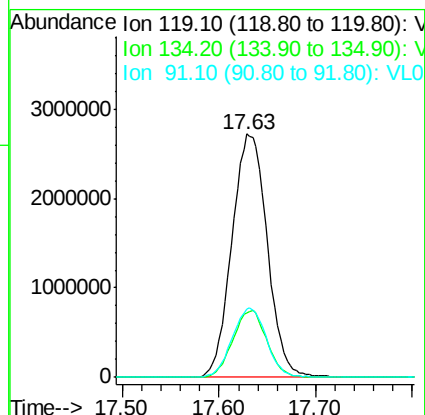
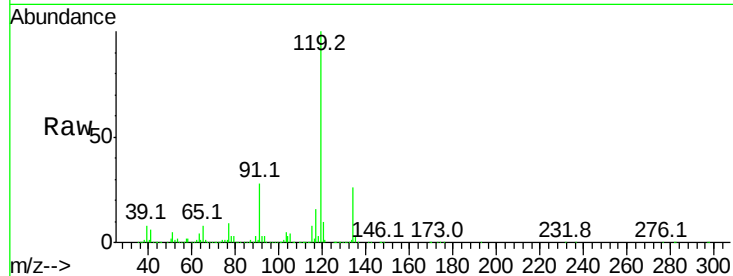




#69
p-Isopropyltoluene
Concen: 7.285 ppbv
RT: 17.63 min Scan# 4616
Delta R.T. -0.00 min
Lab File: VL037612.D
Acq: 16 Sep 2021 10:03

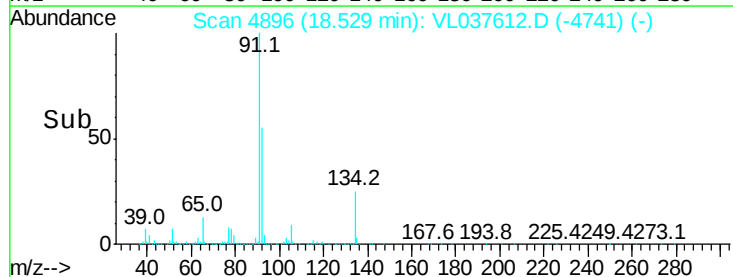
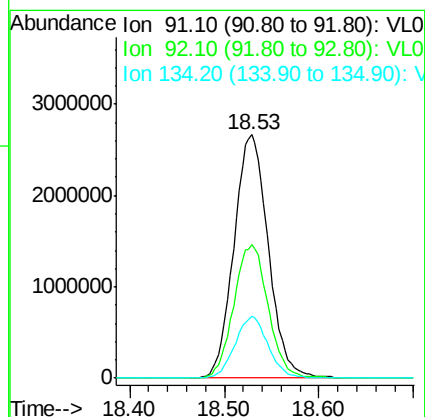
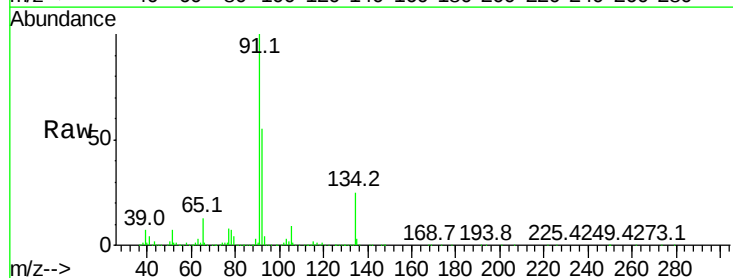
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

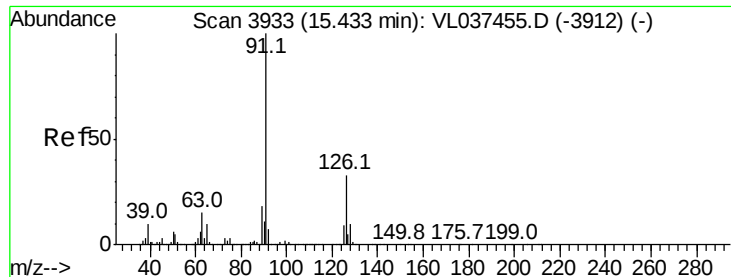
Tgt Ion: 119 Resp: 6907349
Ion Ratio Lower Upper
119 100
134 26.5 21.1 31.7
91 27.7 22.4 33.6



#70
n-Butylbenzene
Concen: 7.413 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

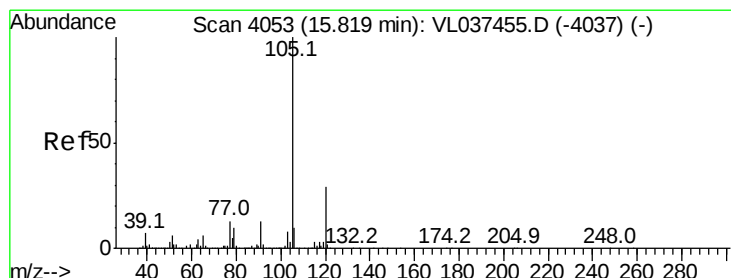
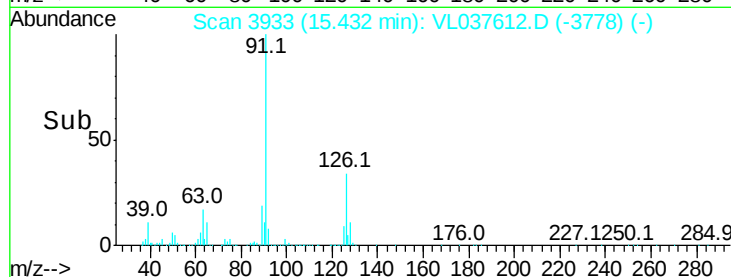
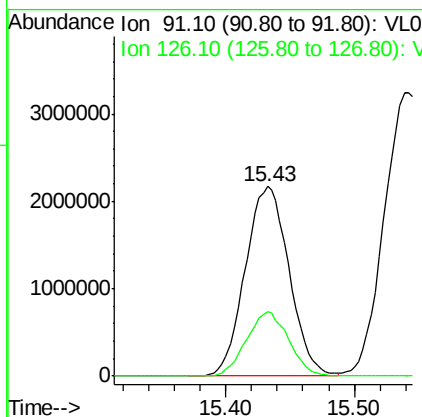
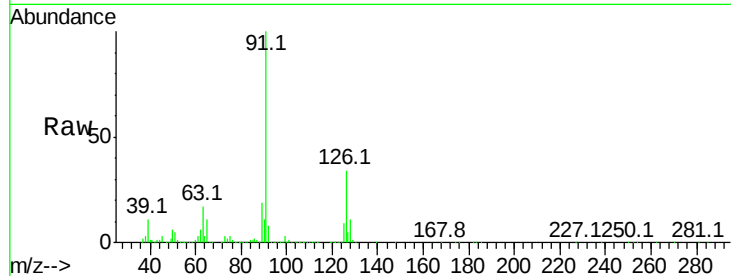




#71
 2-Chlorotoluene
 Concen: 7.666 ppbv
 RT: 15.43 min Scan# 3933
 Delta R.T. -0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

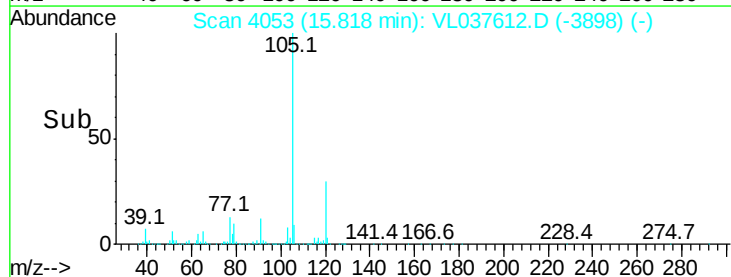
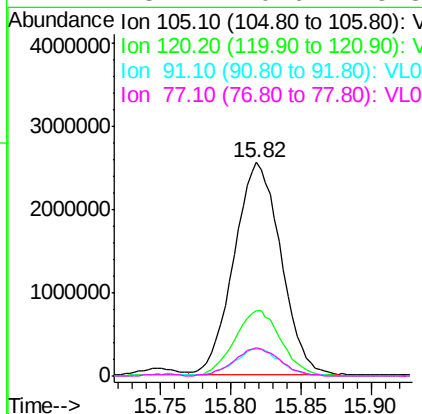
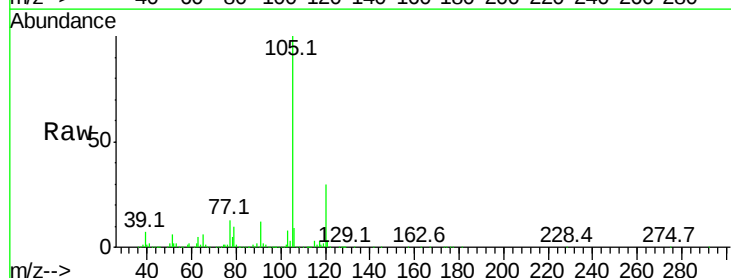
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

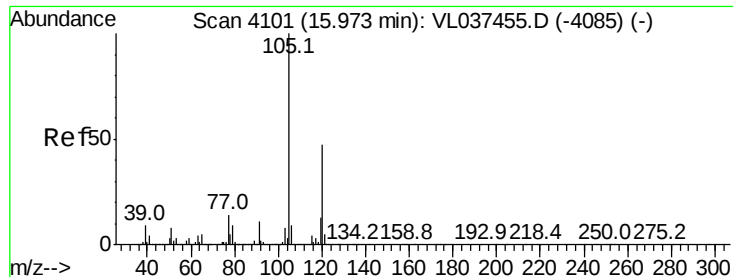
Tgt Ion: 91 Resp: 5139783
 Ion Ratio Lower Upper
 91 100
 126 33.0 13.6 54.4



#72
 4-Ethyltoluene
 Concen: 7.695 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: 7.449 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 :

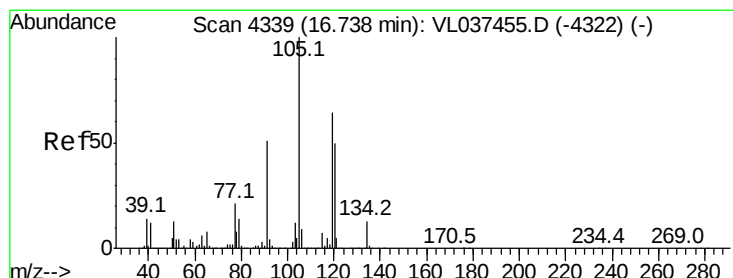
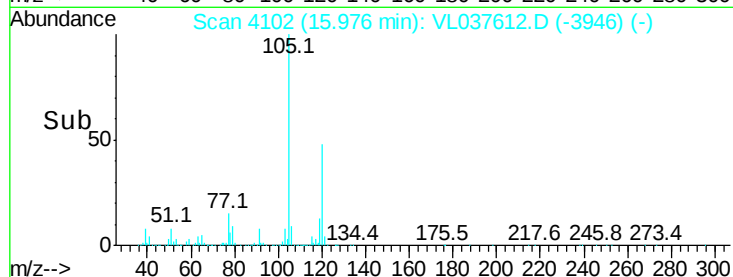
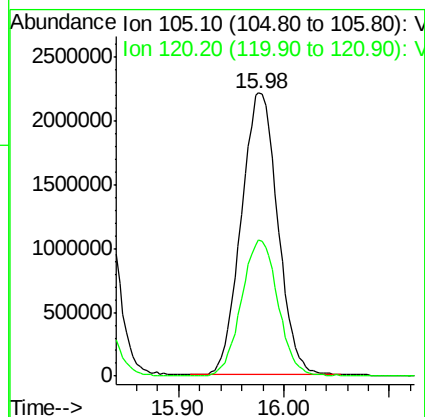
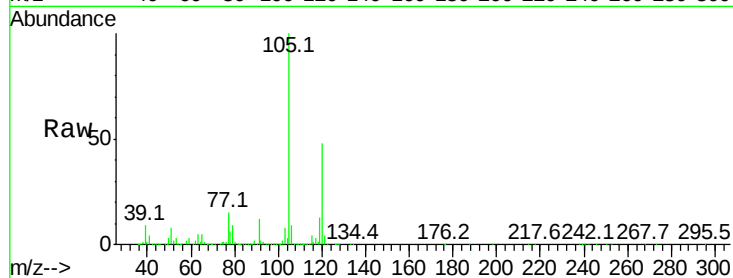
VSTDICCC010

Tgt Ion:105 Resp: 5342503

Ion Ratio Lower Upper

105 100

120 47.9 37.6 56.4



#74

1,2,4-Trimethylbenzene

Concen: 7.123 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

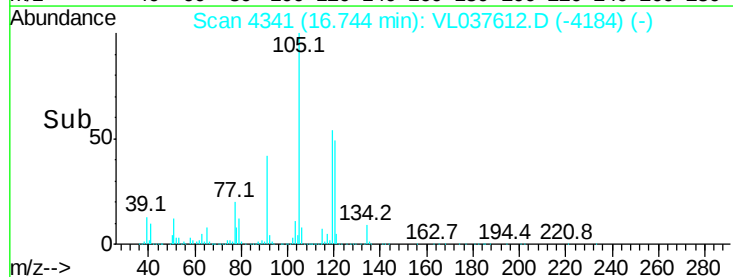
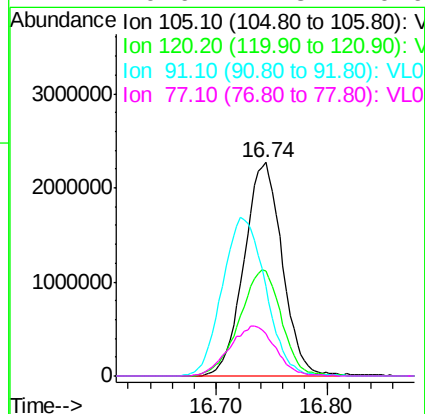
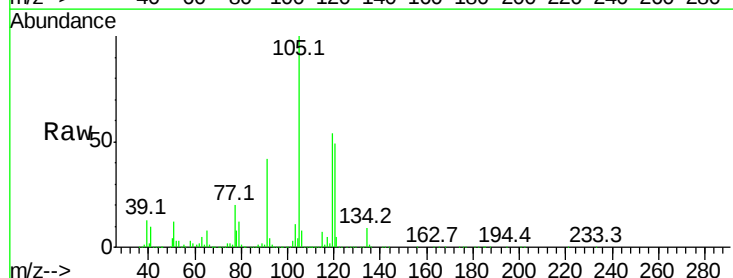
Ion Ratio Lower Upper

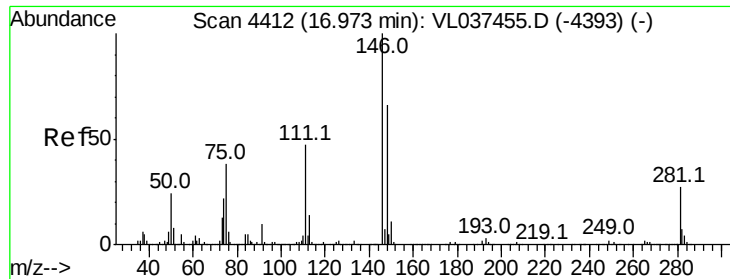
105 100

120 49.2 40.4 60.6

91 41.6 44.6 67.0#

77 19.6 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 7.423 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

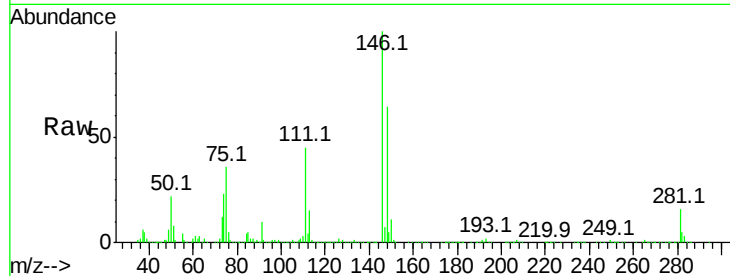
Tgt Ion:146 Resp: 3405660

Ion Ratio Lower Upper

146 100

111 45.5 23.4 70.0

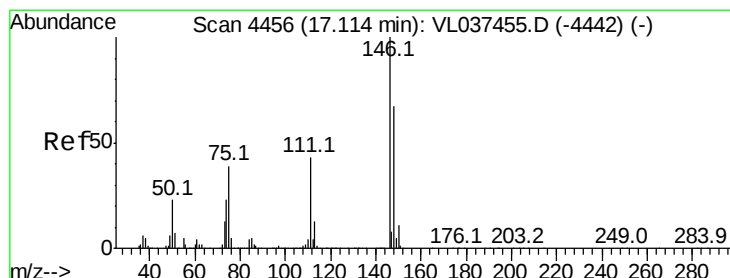
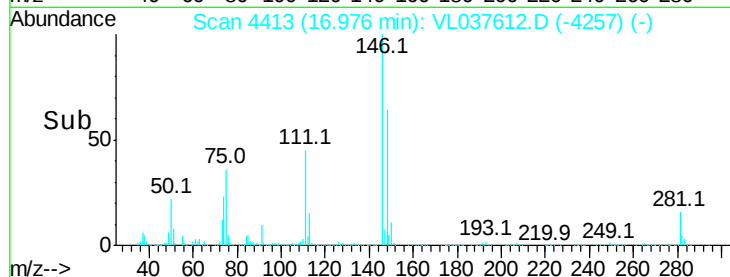
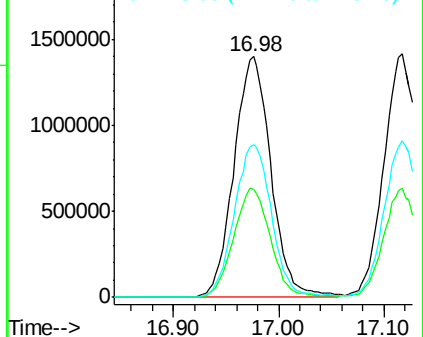
148 64.3 33.1 99.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.251 ppbv

RT: 17.12 min Scan# 4457

Delta R.T. 0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

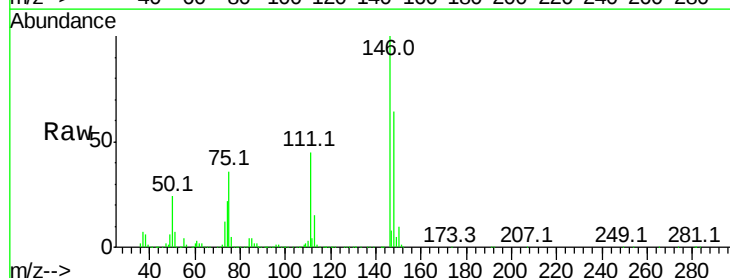
Tgt Ion:146 Resp: 3351099

Ion Ratio Lower Upper

146 100

111 45.0 22.1 66.5

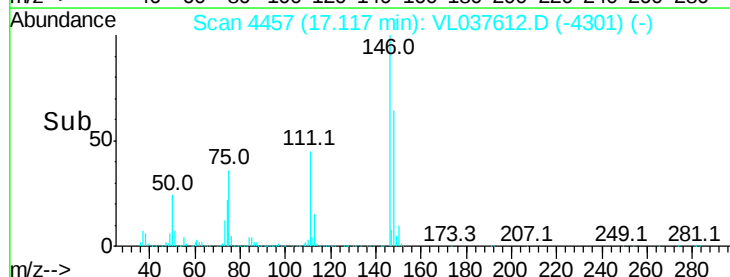
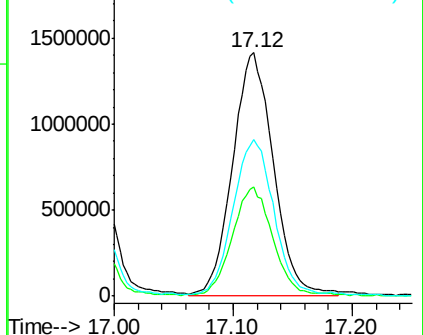
148 65.7 32.4 97.0

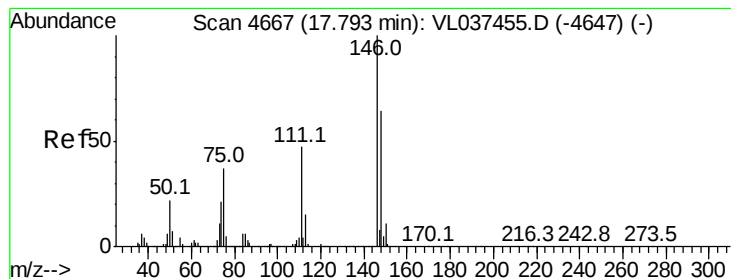


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.049 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

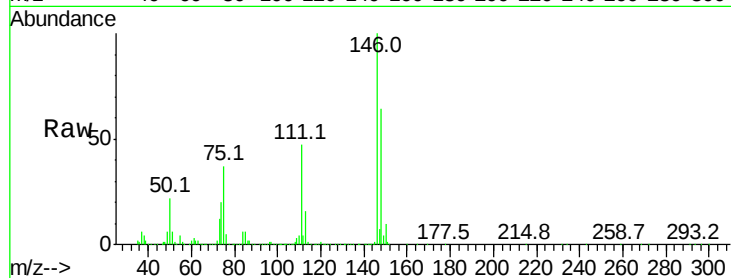
Tgt Ion:146 Resp: 3184437

Ion Ratio Lower Upper

146 100

111 48.0 23.4 70.3

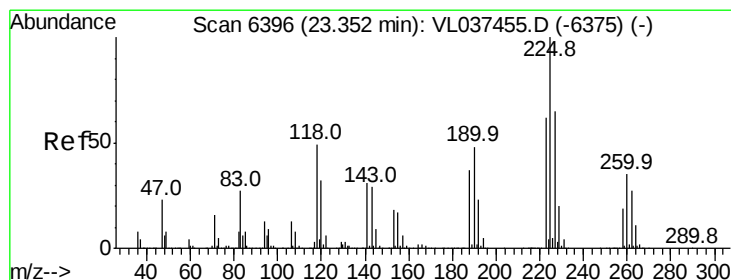
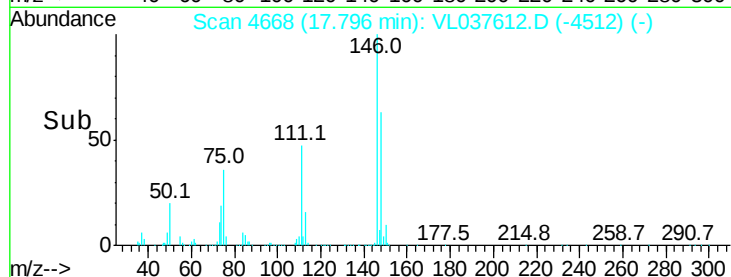
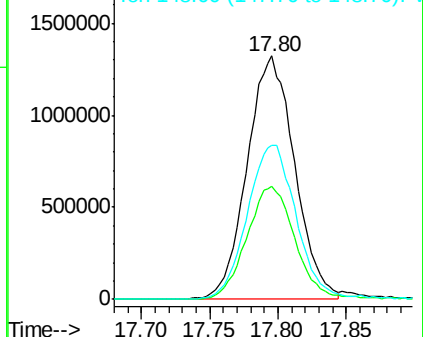
148 65.5 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.122 ppbv

RT: 23.35 min Scan# 6395

Delta R.T. -0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

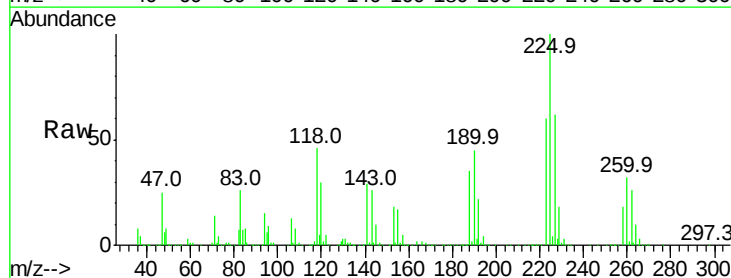
Tgt Ion:225 Resp: 2299643

Ion Ratio Lower Upper

225 100

223 63.9 51.4 77.0

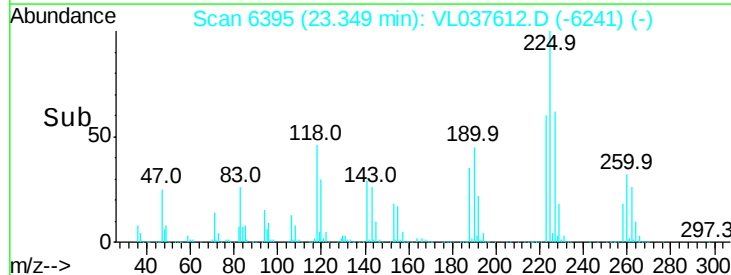
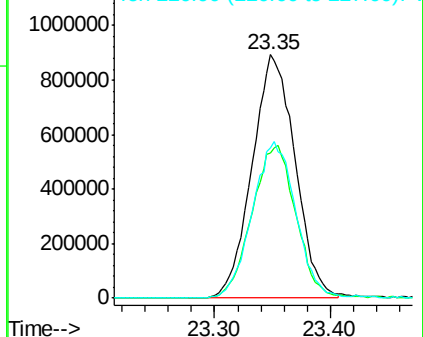
227 65.3 52.9 79.3

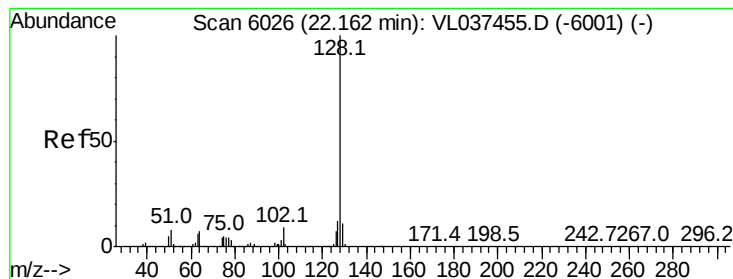


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.509 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

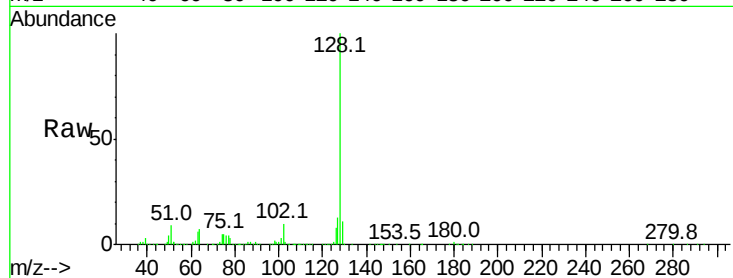
Tgt Ion:128 Resp: 3829896

Ion Ratio Lower Upper

128 100

127 13.3 9.4 14.2

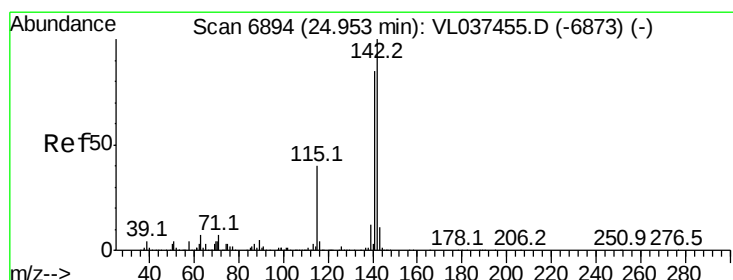
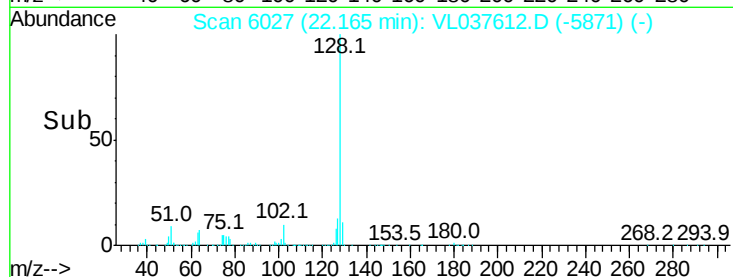
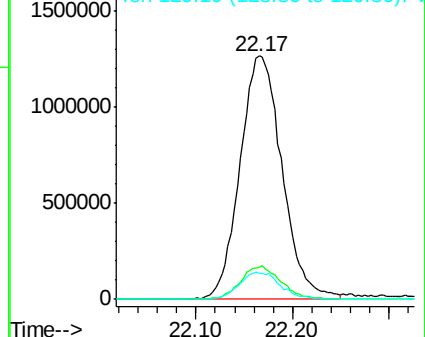
129 10.7 8.8 13.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 7.392 ppbv

RT: 24.95 min Scan# 6893

Delta R.T. -0.00 min

Lab File: VL037612.D

Acq: 16 Sep 2021 10:03

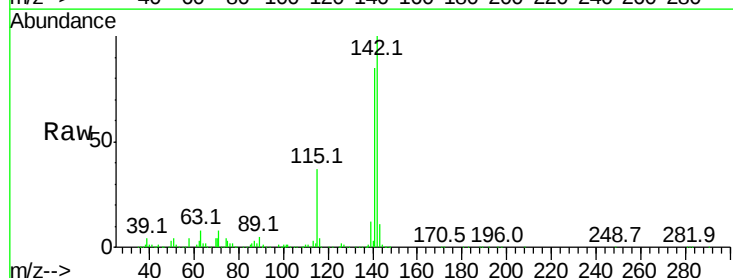
Tgt Ion:142 Resp: 1050322

Ion Ratio Lower Upper

142 100

141 88.6 64.7 97.1

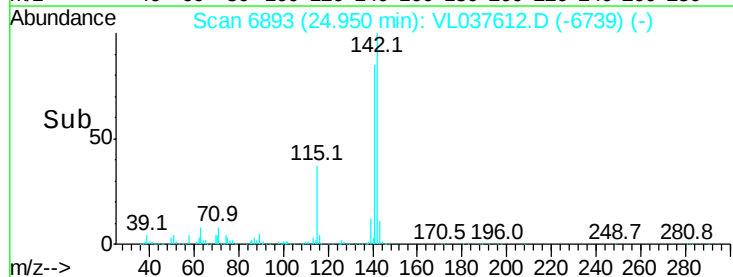
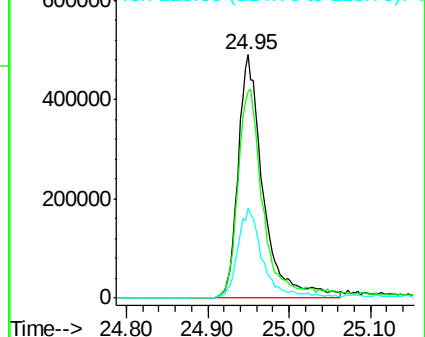
115 37.0 28.4 42.6

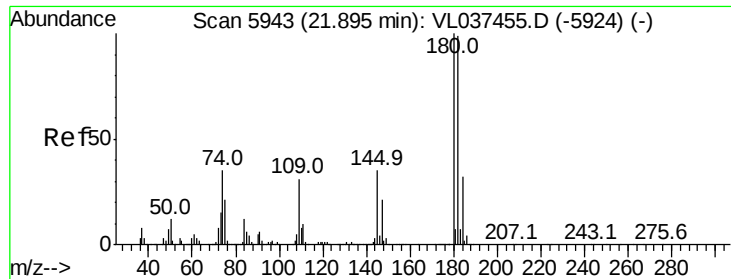


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 3.578 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. 0.00 min
 Lab File: VL037612.D
 Acq: 16 Sep 2021 10:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 1145093
 Ion Ratio Lower Upper
 180 100
 182 195.6 79.6 119.4#
 184 61.3 25.4 38.2#

