

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037485.D
 Acq On : 18 Aug 2021 9:38
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 19 01:38:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 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	1504001	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4462760	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4956954	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2862050	8.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2010716	8.332	ppbv 98
3) Chlorodifluoromethane	2.98	51	2613462	9.075	ppbv 99
4) Chloromethane	3.13	50	958322	9.312	ppbv 94
5) Vinyl Chloride	3.25	62	986658	9.358	ppbv 96
6) Bromomethane	3.47	94	475377	8.231	ppbv 97
7) Chloroethane	3.55	64	337764	9.386	ppbv 91
8) Dichlorotetrafluoroethane	3.18	85	2276322	9.137	ppbv 99
9) Propene	3.00	41	968490	9.399	ppbv 100
10) Heptane	8.11	43	2345072	9.887	ppbv 98
11) Trichlorofluoromethane	3.94	101	2045497	9.030	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1570313	9.447	ppbv 99
13) Ethanol	3.60	45	79861	7.964	ppbv 82
14) Bromoethene	3.73	108	681686	9.034	ppbv 95
15) Acetone	3.84	43	1173739	7.668	ppbv 97
16) 1,3-Butadiene	3.32	39	946362	9.639	ppbv 100
17) tert-Butyl alcohol	4.28	59	1427161	10.207	ppbv 99
18) 1,1-Dichloroethene	4.28	96	705770	9.347	ppbv 96
19) Isopropyl Alcohol	3.95	45	863990	9.853	ppbv 100
20) Methylene Chloride	4.33	84	596905	7.789	ppbv 97
21) Allyl Chloride	4.40	41	1135936	9.137	ppbv 96
22) trans-1,2-Dichloroethene	4.87	96	744779	9.887	ppbv 94
23) Vinyl Acetate	5.06	43	1867463	8.277	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1470429	8.986	ppbv 99
25) Ethyl Acetate	5.66	43	3640629	9.369	ppbv 99
26) Hexane	5.67	57	1730044	9.106	ppbv 99
27) Carbon Disulfide	4.54	76	1778871	10.506	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1558755	8.543	ppbv 99
29) Chloroform	5.74	83	2457595	9.128	ppbv 96
30) Cyclohexane	7.11	84	1495927	9.450	ppbv 100
31) cis-1,2-Dichloroethene	5.53	61	1662919	9.671	ppbv 96
32) 1,1,1-Trichloroethane	6.50	97	2435426	9.206	ppbv 99
34) 2-Butanone	5.23	43	1576281	8.650	ppbv 97
35) Carbon Tetrachloride	7.00	117	2519294	9.552	ppbv 97
36) Benzene	6.88	78	3595406	9.584	ppbv 98
37) 1,2-Dichloroethane	6.29	62	1774606	9.550	ppbv 100
38) Trichloroethene	7.82	130	1420317	9.227	ppbv 96
39) 1,2-Dichloropropane	7.59	63	1384387	9.603	ppbv 99
40) 1,4-Dioxane	7.82	88	331248	9.379	ppbv # 100
41) Tetrahydrofuran	6.03	42	856289	9.754	ppbv 99
42) Bromodichloromethane	7.77	83	2686532	9.887	ppbv 97
43) Methyl Methacrylate	8.00	69	1306155	9.989	ppbv 98

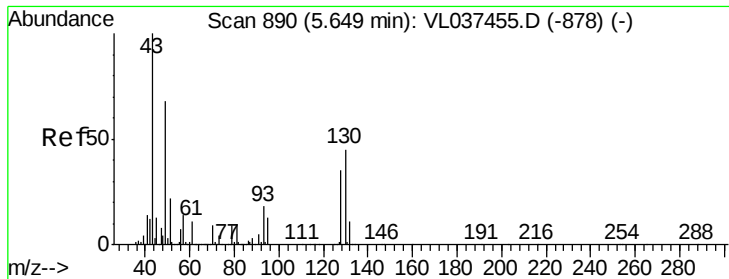
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037485.D
 Acq On : 18 Aug 2021 9:38
 Operator : SY/AP
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Quant Time: Aug 19 01:38:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 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)
44) 2,2,4-Trimethylpentane	7.85	57	5960877	9.441	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	913626	9.282	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1203914	8.768	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1440461	9.248	ppbv	98
48) Dibromochloromethane	10.28	129	2354069	10.502	ppbv	99
49) Bromoform	13.02	173	1894505	10.722	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2422240	10.188	ppbv	99
51) 2-Hexanone	10.12	43	1185182	10.838	ppbv	97
52) Tetrachloroethene	11.20	164	1338948	8.710	ppbv	97
53) Toluene	9.79	91	4209855	9.828	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2066823	9.505	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1605042	7.771	ppbv	99
57) Chlorobenzene	12.13	112	3070729	7.465	ppbv	99
58) Ethyl Benzene	12.69	91	5345553	7.771	ppbv	100
59) m/p-Xylene	12.98	91	4408464	7.392	ppbv #	27
60) o-Xylene	13.67	91	4236170	7.611	ppbv	99
61) Styrene	13.51	104	2364612	8.178	ppbv	99
62) Isopropylbenzene	14.64	105	5821953	7.411	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	3051699	7.377	ppbv	99
64) n-propylbenzene	15.54	120	1563175	7.819	ppbv	98
65) tert-Butylbenzene	16.72	119	5271673	7.369	ppbv	100
66) Benzyl Chloride	16.96	91	321150	9.923	ppbv	99
67) sec-Butylbenzene	17.27	105	7359483	7.362	ppbv	100
69) p-Isopropyltoluene	17.63	119	6194611	7.605	ppbv	100
70) n-Butylbenzene	18.53	91	6069103	7.796	ppbv	100
71) 2-Chlorotoluene	15.43	91	4367058	7.581	ppbv	100
72) 4-Ethyltoluene	15.82	105	4965374	7.500	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	4698256	7.624	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	4875903	7.446	ppbv #	90
75) 1,3-Dichlorobenzene	16.97	146	2949869	7.484	ppbv	98
76) 1,4-Dichlorobenzene	17.11	146	2845463	7.166	ppbv	97
77) 1,2-Dichlorobenzene	17.79	146	2863988	7.379	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	2183240	6.765	ppbv	98
79) Naphthalene	22.16	128	3607676	8.232	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	947578	7.761	ppbv	94
81) 1,2,4-Trichlorobenzene	21.90	180	2189597	7.962	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampled :

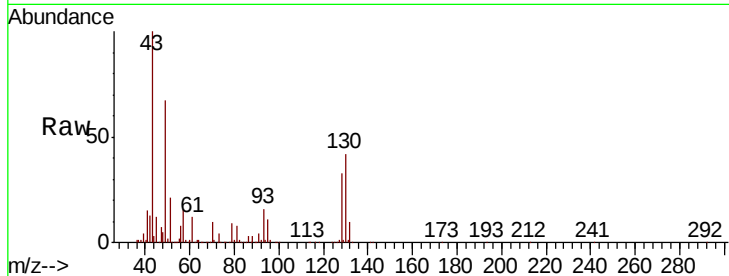
Tot Ion: 49 Resp: 1504001

Ion Ratio Lower Upper

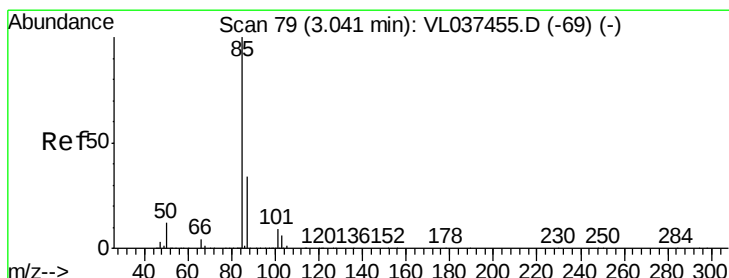
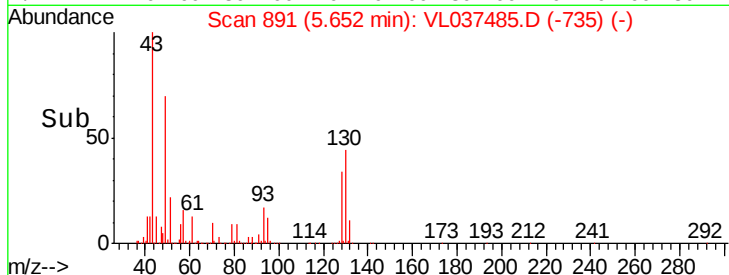
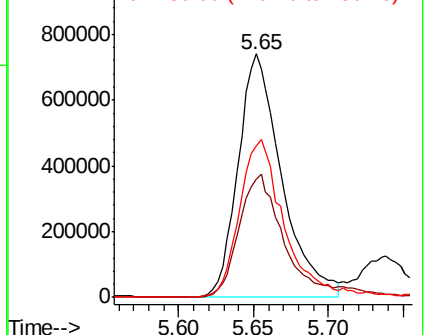
49 100

128 54.6 27.5 82.4

130 67.9 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: 8.332 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL037485.D

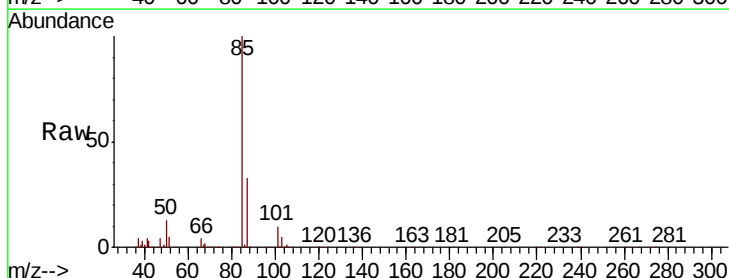
Acq: 18 Aug 2021 9:38

Tgt Ion: 85 Resp: 2010716

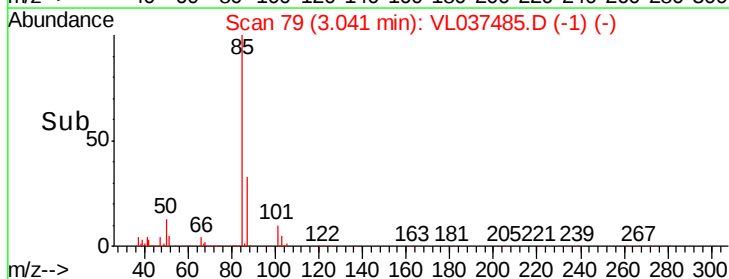
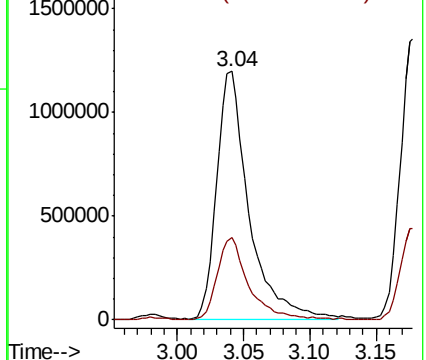
Ion Ratio Lower Upper

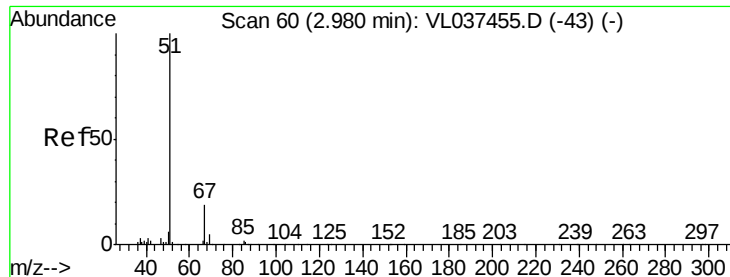
85 100

87 33.2 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: 9.075 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

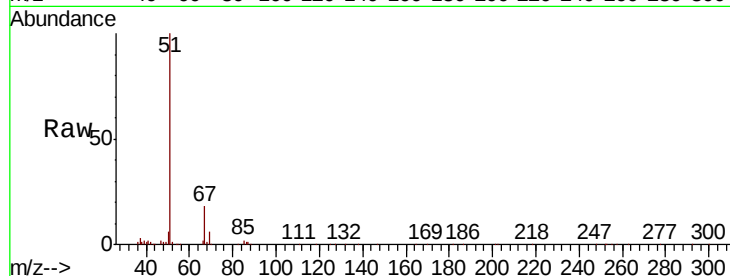
ClientSampleId :

Tot Ion: 51 Resp: 2613462

Ion Ratio Lower Upper

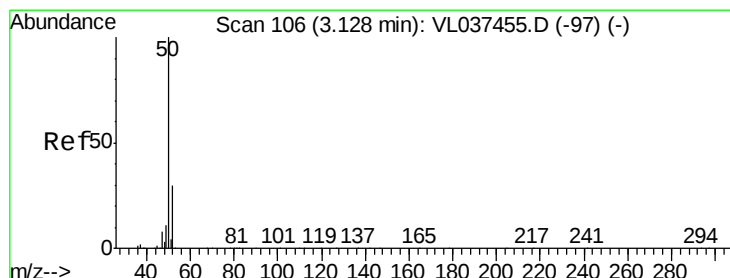
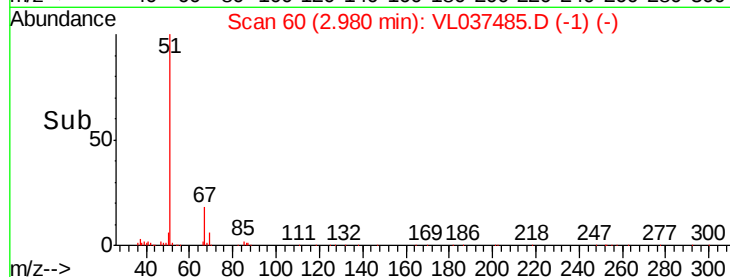
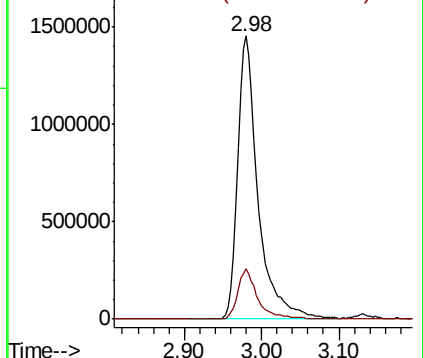
51 100

67 17.3 14.2 21.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.312 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL037485.D

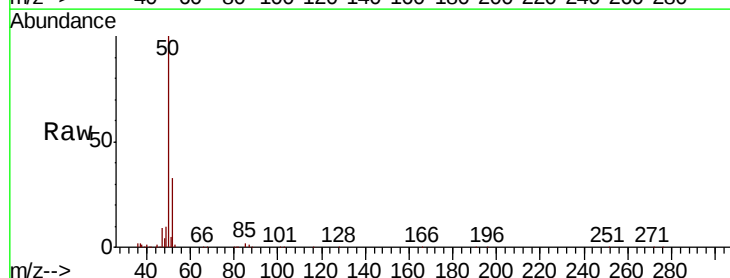
Acq: 18 Aug 2021 9:38

Tgt Ion: 50 Resp: 958322

Ion Ratio Lower Upper

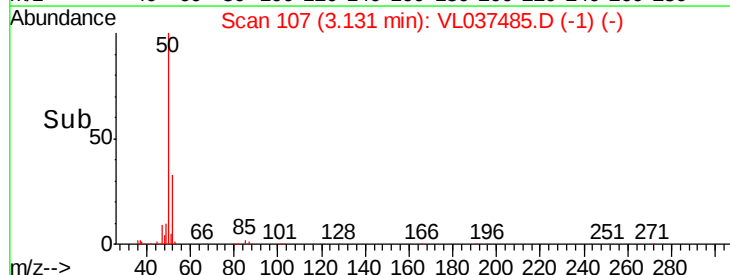
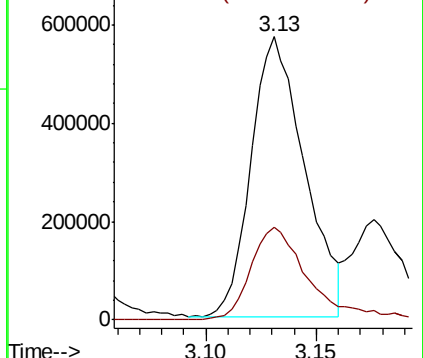
50 100

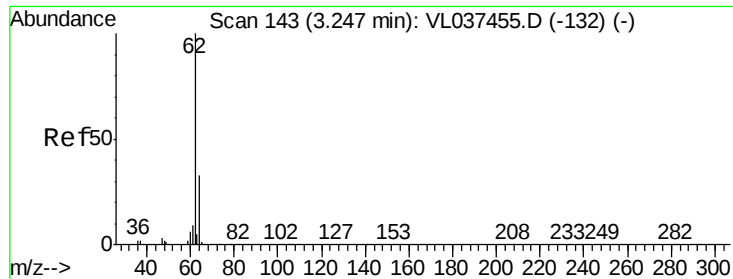
52 33.3 24.0 36.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.358 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

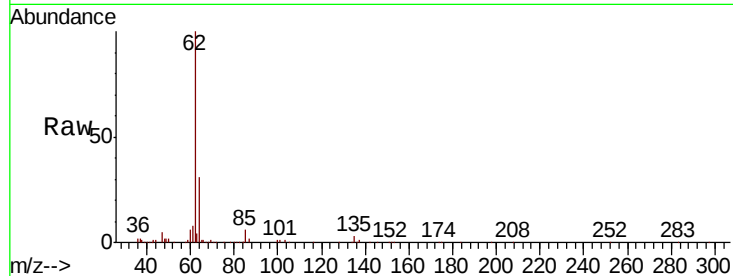
ClientSampled :

Tot Ion: 62 Resp: 986658

Ion Ratio Lower Upper

62 100

64 30.8 26.5 39.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

600000

500000

400000

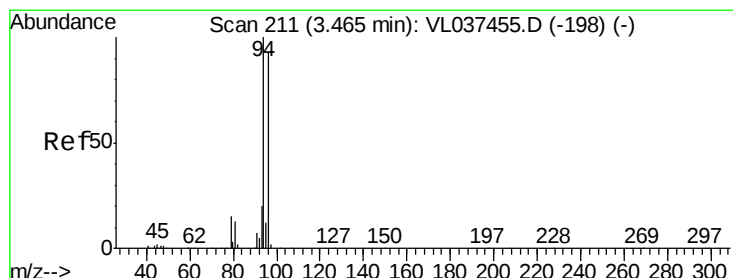
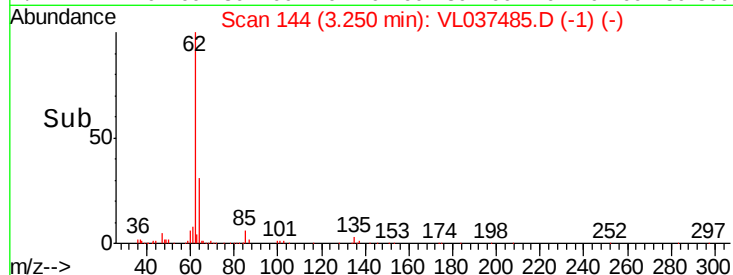
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 8.231 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL037485.D

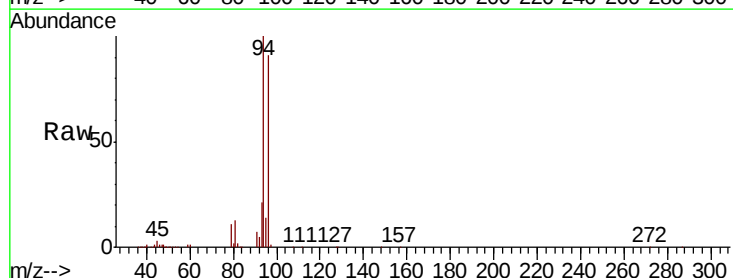
Acq: 18 Aug 2021 9:38

Tgt Ion: 94 Resp: 475377

Ion Ratio Lower Upper

94 100

96 90.7 74.5 111.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

300000

250000

200000

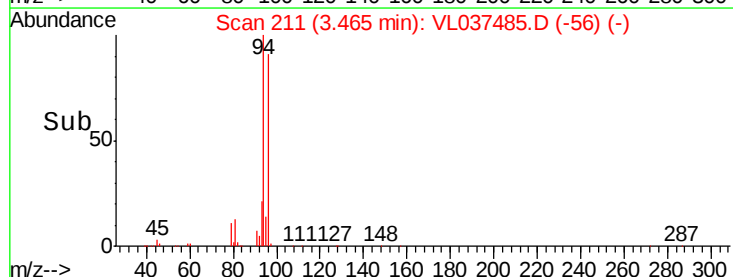
150000

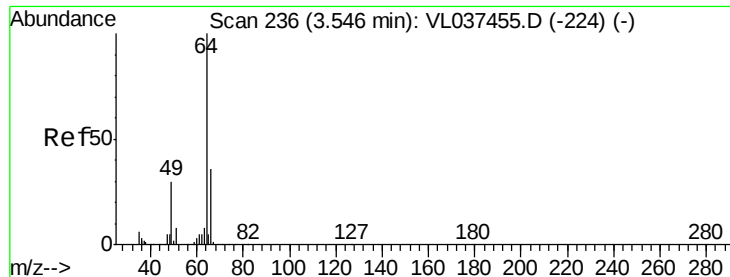
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.386 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

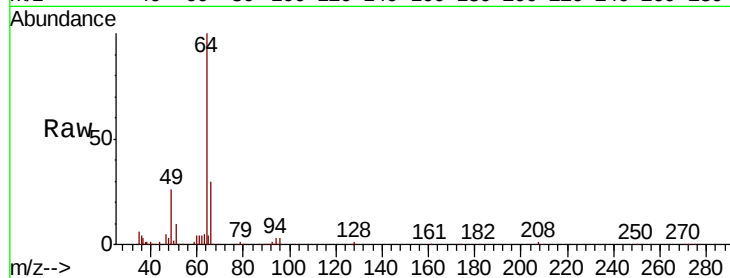
ClientSampleId :

Tot Ion: 64 Resp: 337764

Ion Ratio Lower Upper

64 100

66 30.4 28.6 43.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

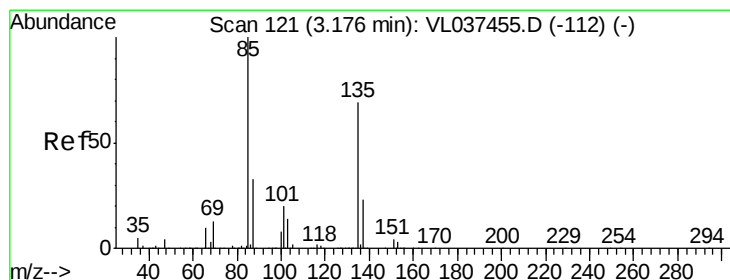
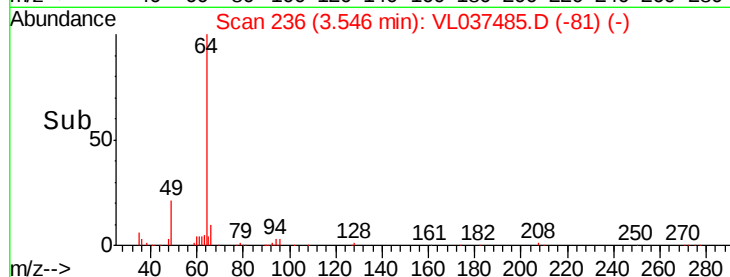
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.137 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037485.D

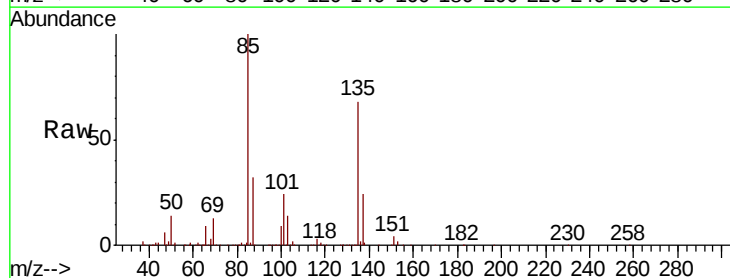
Acq: 18 Aug 2021 9:38

Tgt Ion: 85 Resp: 2276322

Ion Ratio Lower Upper

85 100

135 72.7 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

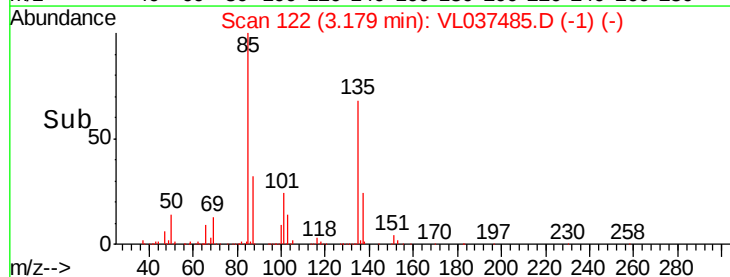
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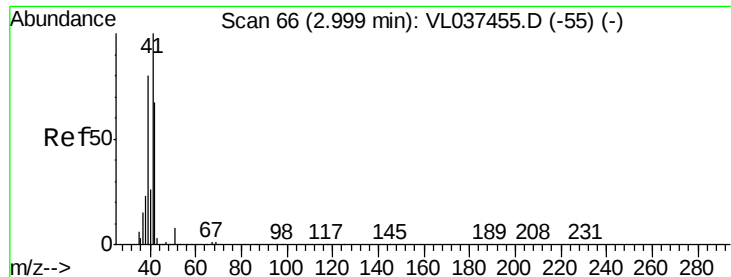
1000000

500000

0

Time-->





#9

Propene

Concen: 9.399 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

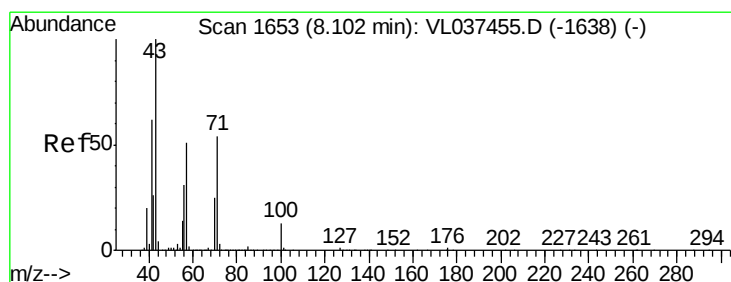
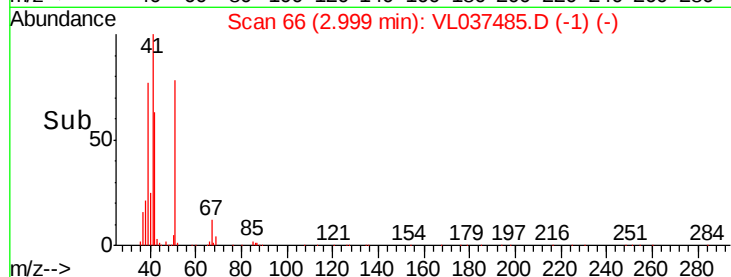
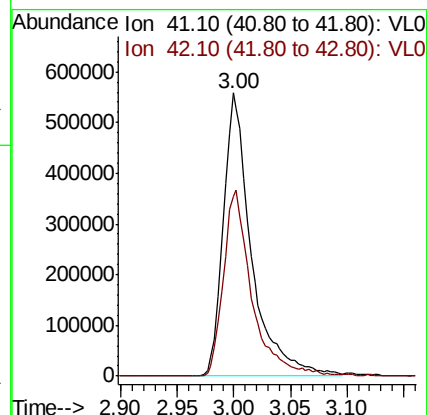
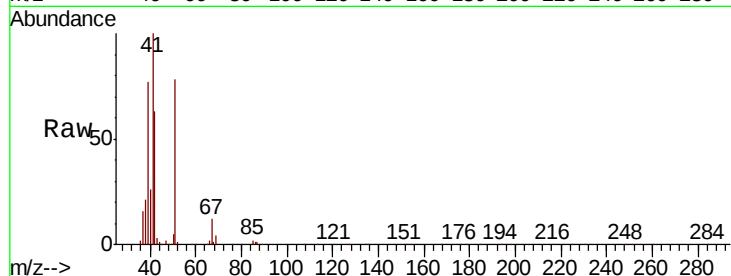
ClientSampleId :

Tot Ion: 41 Resp: 968490

Ion Ratio Lower Upper

41 100

42 67.0 53.7 80.5



#10

Heptane

Concen: 9.887 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.01 min

Lab File: VL037485.D

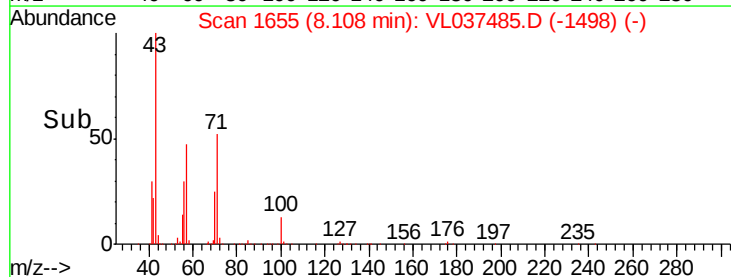
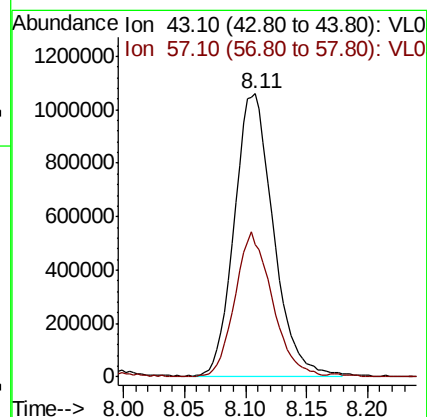
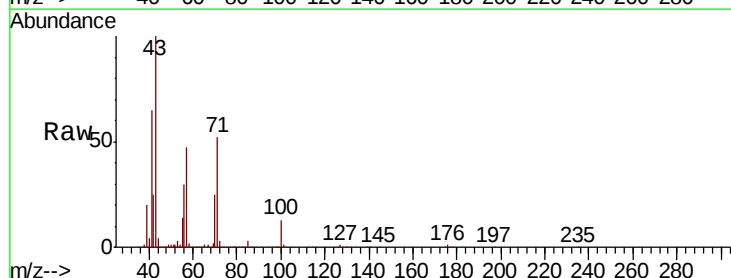
Acq: 18 Aug 2021 9:38

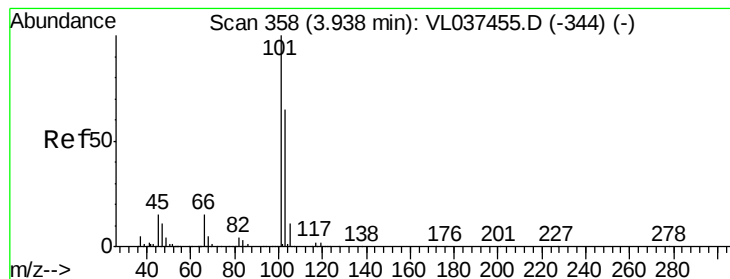
Tgt Ion: 43 Resp: 2345072

Ion Ratio Lower Upper

43 100

57 49.6 41.0 61.6





#11

Trichlorofluoromethane

Concen: 9.030 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

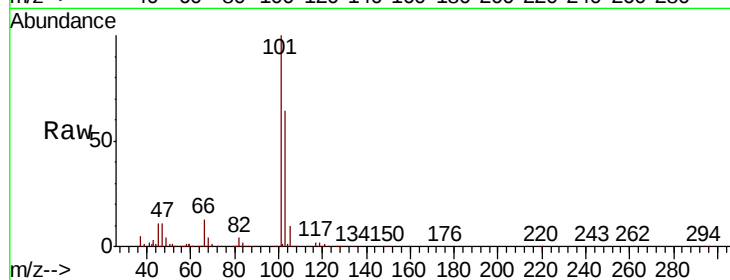
ClientSampleId :

Tot Ion:101 Resp: 2045497

Ion Ratio Lower Upper

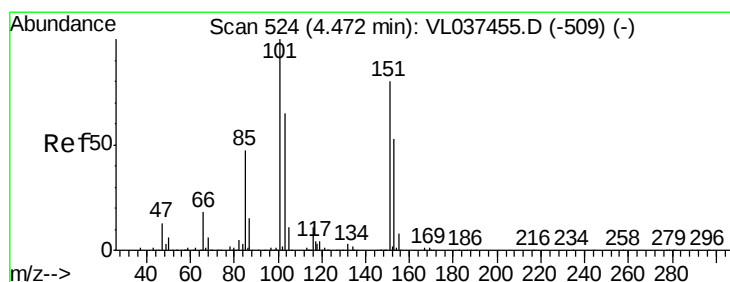
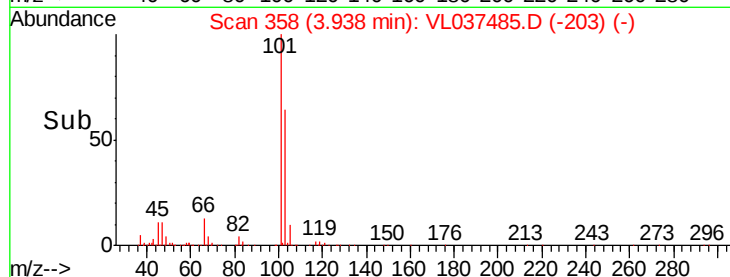
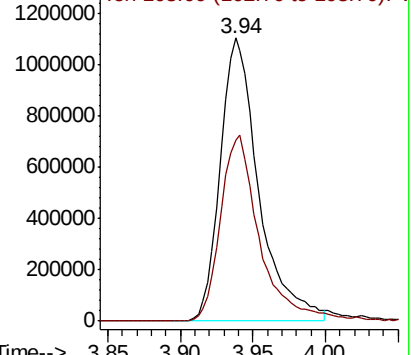
101 100

103 63.9 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.447 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.00 min

Lab File: VL037485.D

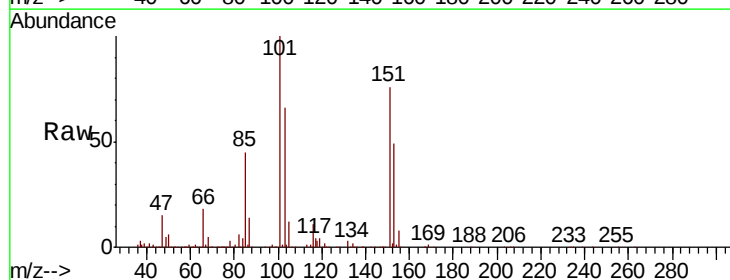
Acq: 18 Aug 2021 9:38

Tgt Ion:101 Resp: 1570313

Ion Ratio Lower Upper

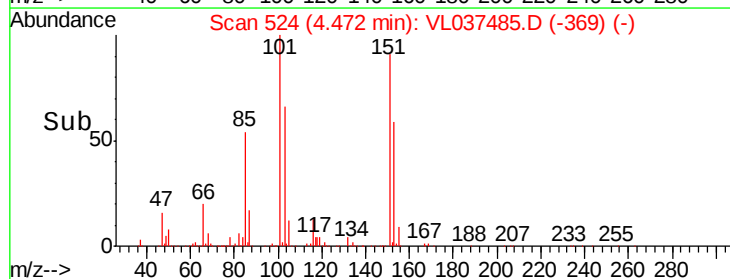
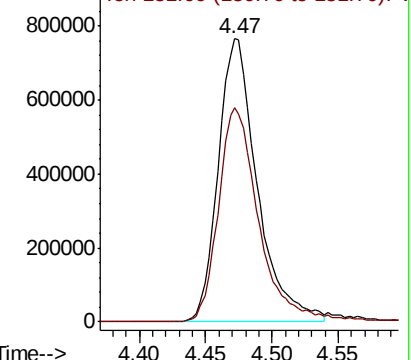
101 100

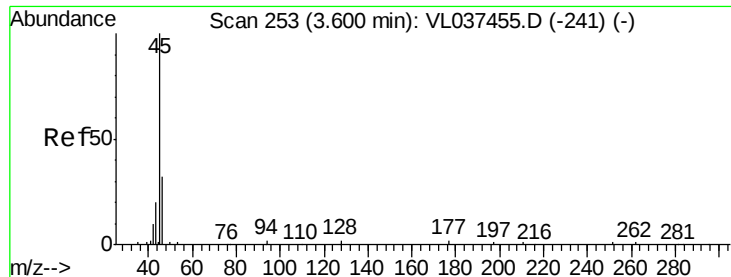
151 78.6 63.7 95.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

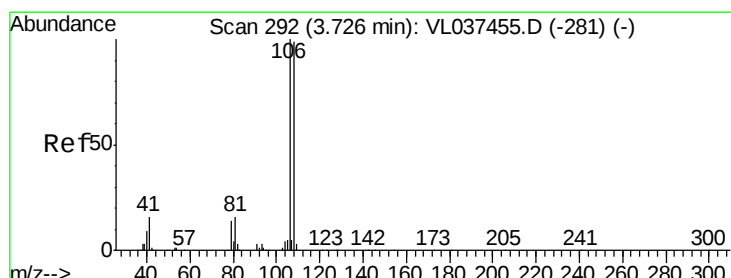
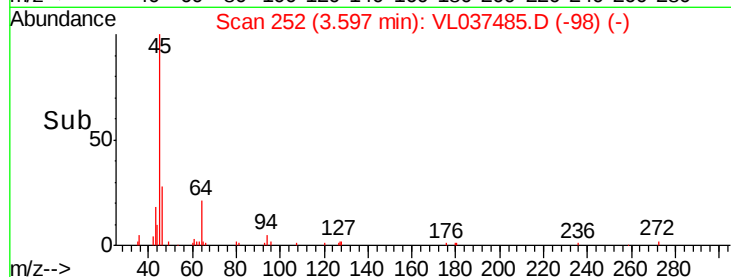
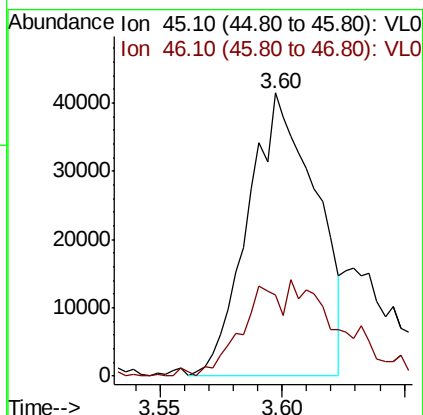
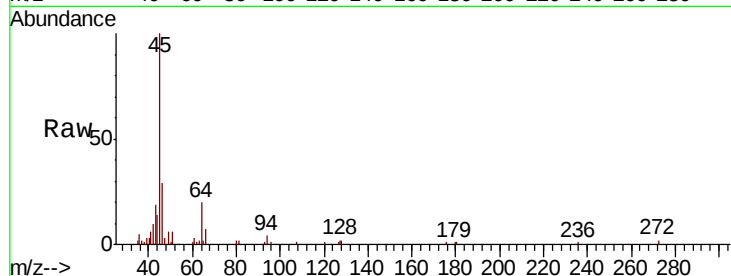




#13
Ethanol
Concen: 7.964 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

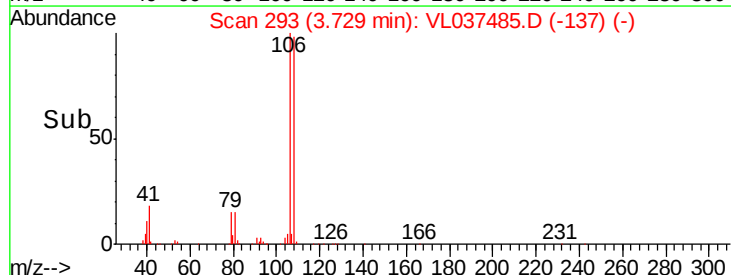
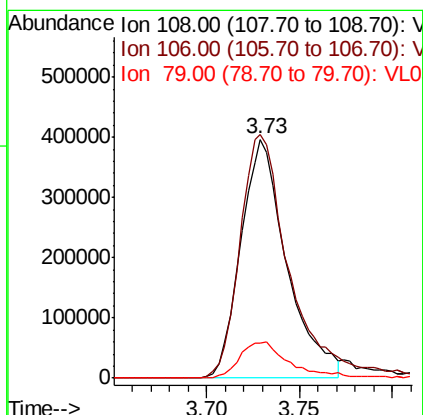
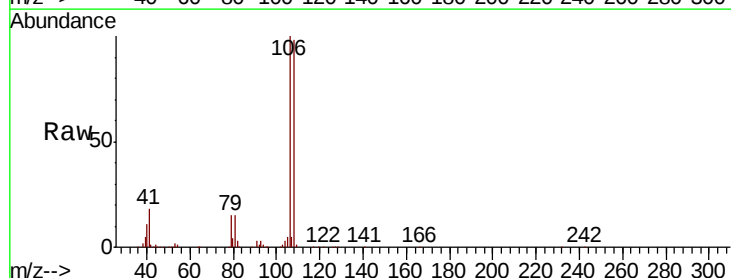
Instrument :
MSVOA_L
ClientSampleId :

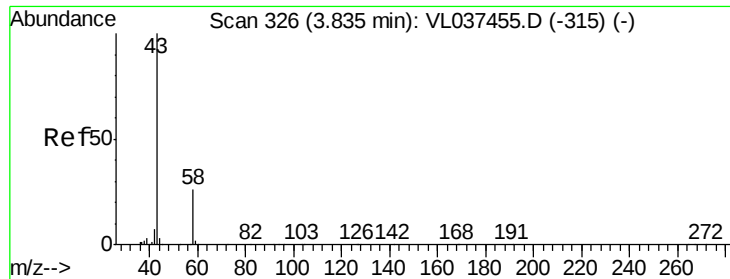
Tot Ion: 45 Resp: 79861
Ion Ratio Lower Upper
45 100
46 45.6 14.1 56.5



#14
Bromoethene
Concen: 9.034 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion: 108 Resp: 681686
Ion Ratio Lower Upper
108 100
106 112.4 85.8 128.8
79 17.5 12.6 18.8

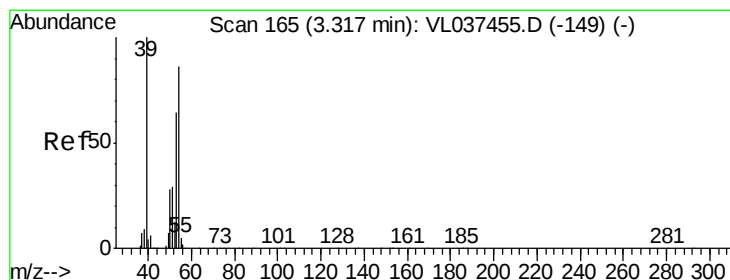
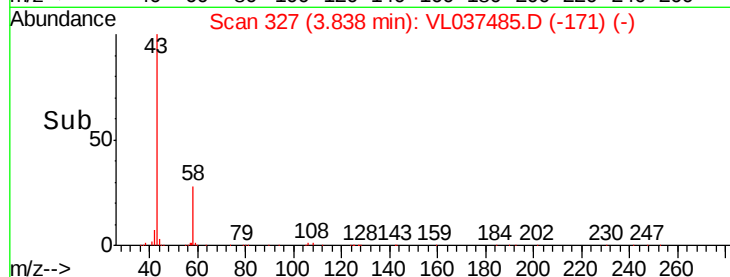
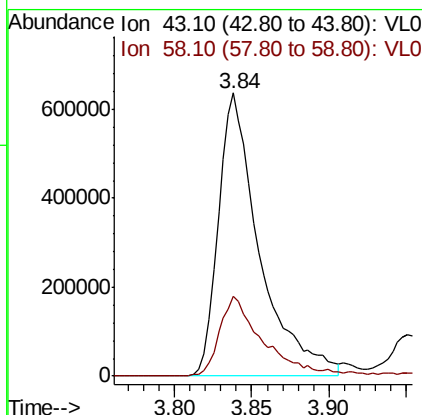
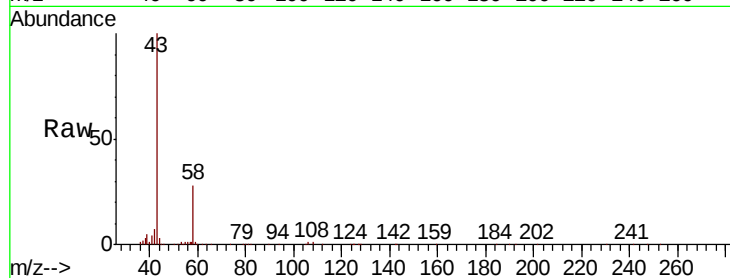




#15
Acetone
Concen: 7.668 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

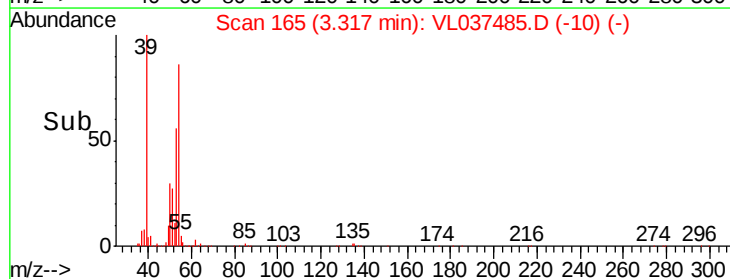
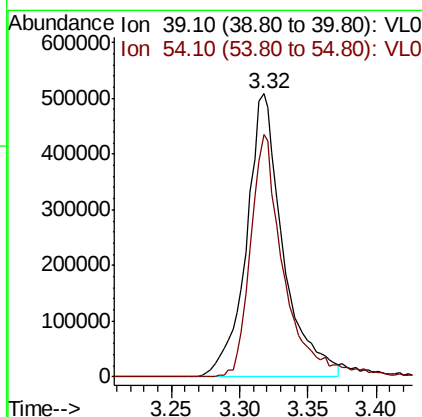
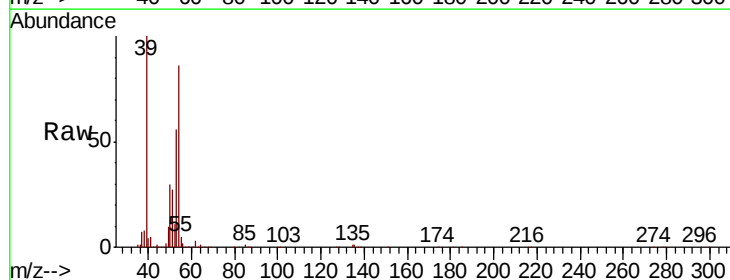
Instrument :
MSVOA_L
ClientSampleId :

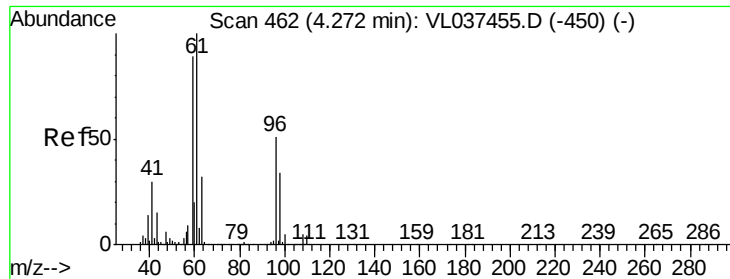
Tot Ion: 43 Resp: 1173739
Ion Ratio Lower Upper
43 100
58 32.5 24.8 37.2



#16
1,3-Butadiene
Concen: 9.639 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion: 39 Resp: 946362
Ion Ratio Lower Upper
39 100
54 79.5 63.7 95.5

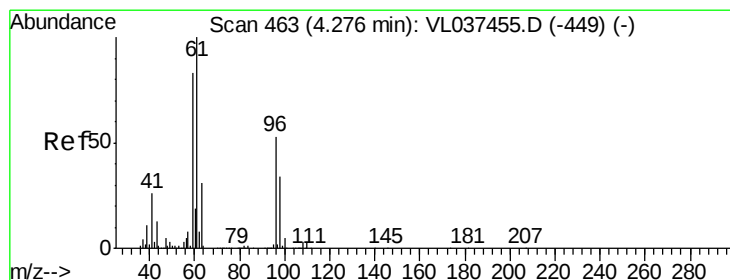
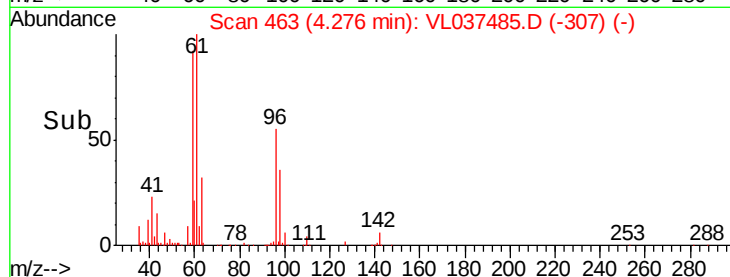
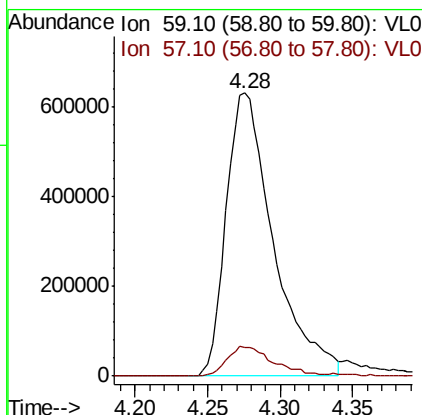
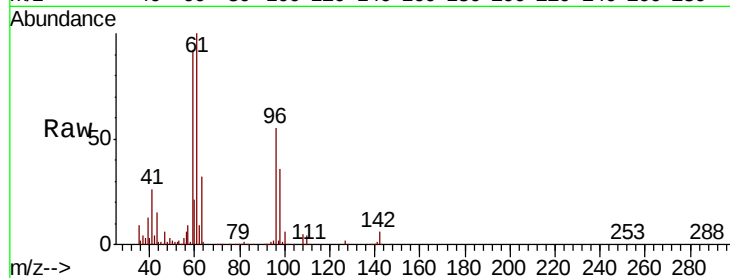




#17
 tert-Butyl alcohol
 Concen: 10.207 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

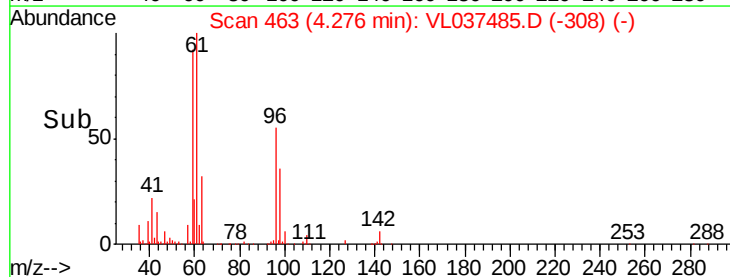
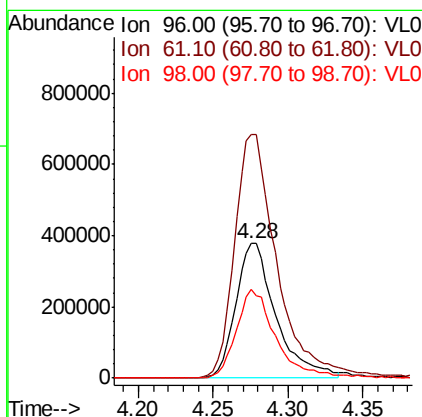
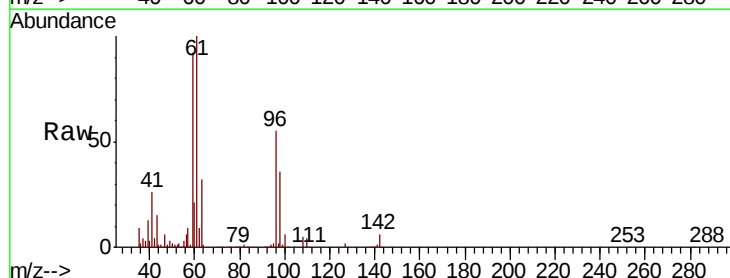
Instrument :
 MSVOA_L
 ClientSampleId :

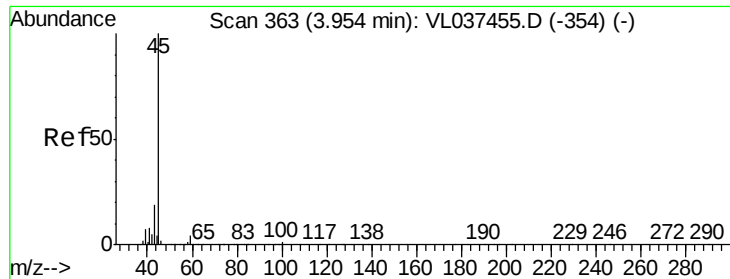
Tot Ion: 59 Resp: 1427161
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.3 12.5



#18
 1,1-Dichloroethene
 Concen: 9.347 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Tgt Ion: 96 Resp: 705770
 Ion Ratio Lower Upper
 96 100
 61 180.7 151.1 226.7
 98 65.7 51.8 77.8





#19

Isopropyl Alcohol

Concen: 9.853 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

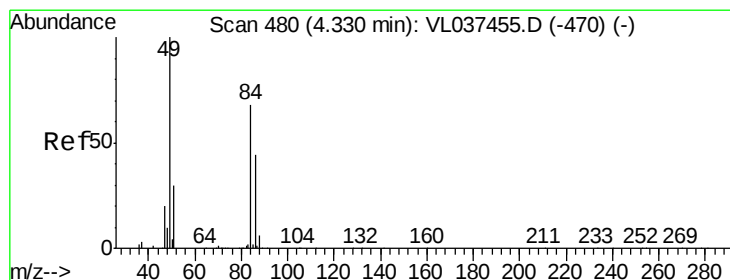
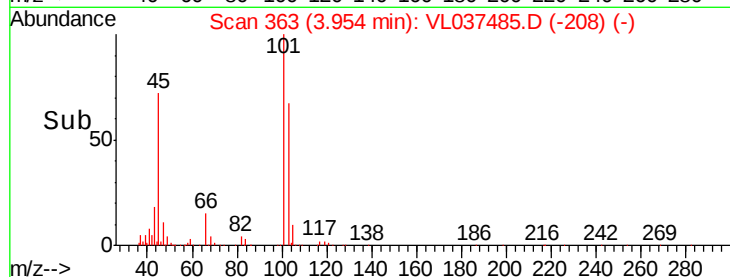
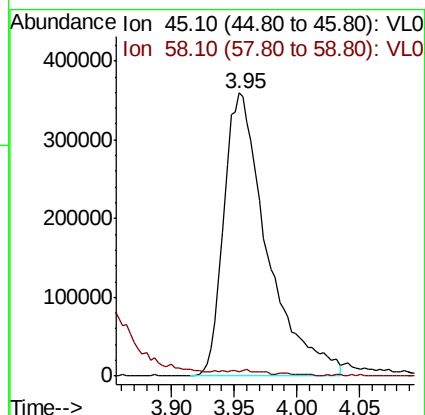
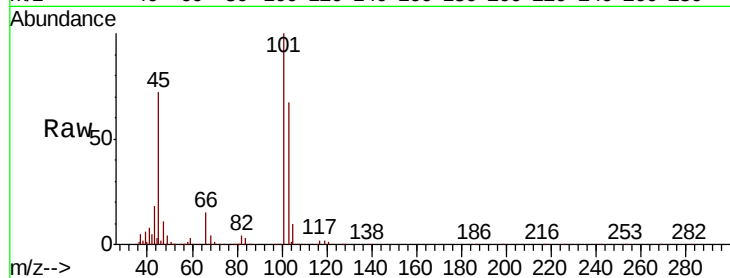
ClientSampled :

Tot Ion: 45 Resp: 863990

Ion Ratio Lower Upper

45 100

58 1.7 1.4 2.2



#20

Methylene Chloride

Concen: 7.789 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Tgt Ion: 84 Resp: 596905

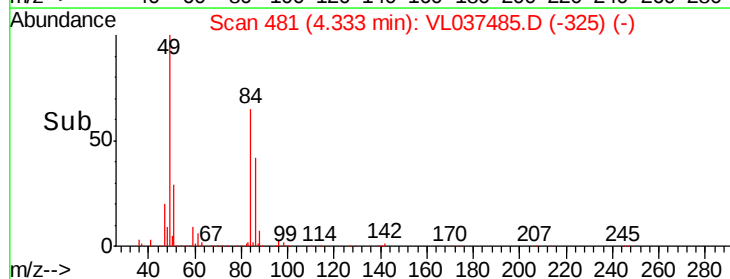
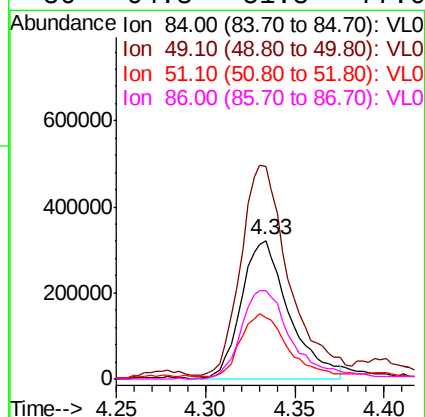
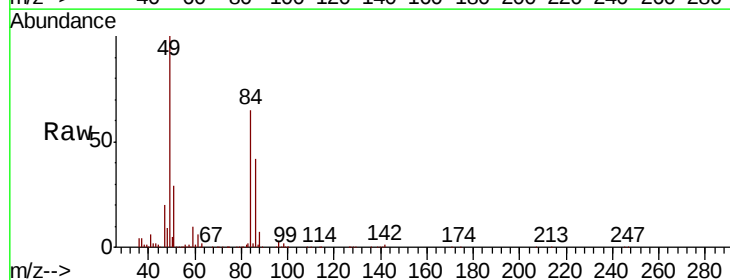
Ion Ratio Lower Upper

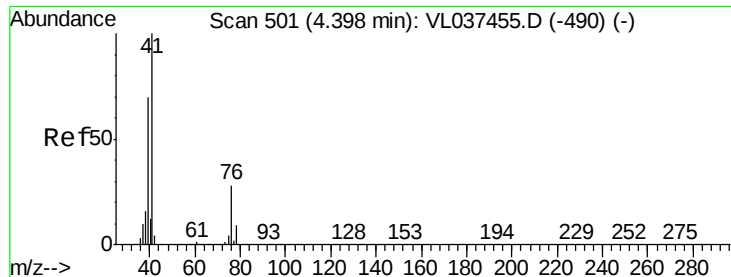
84 100

49 151.1 118.2 177.2

51 42.4 36.6 55.0

86 64.3 51.8 77.6





#21

Allvl Chloride

Concen: 9.137 ppbv

RT: 4.40 min Scan# 501

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

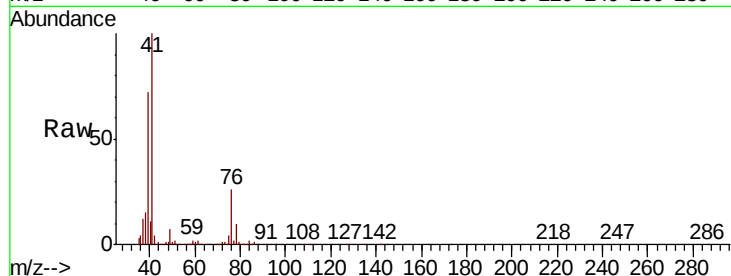
Tot Ion: 41 Resp: 1135936

Ion Ratio Lower Upper

41 100

76 28.6 21.8 32.6

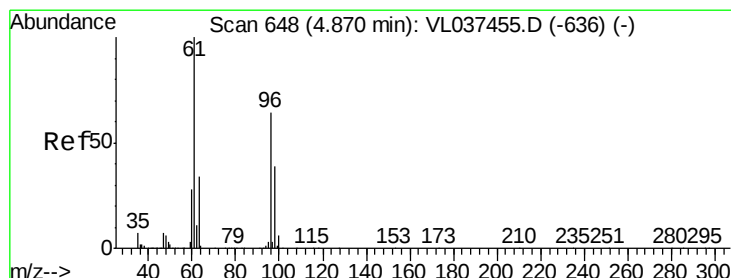
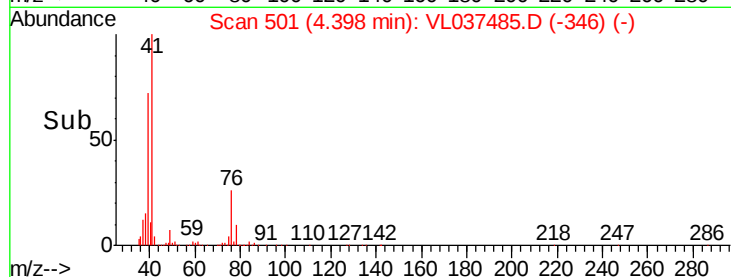
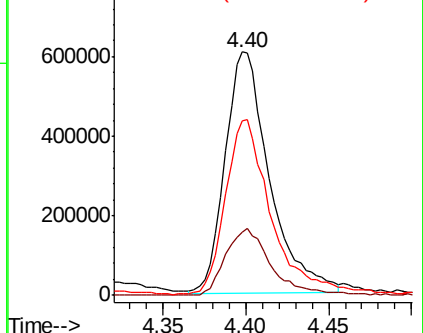
39 74.3 56.8 85.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.887 ppbv

RT: 4.87 min Scan# 649

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

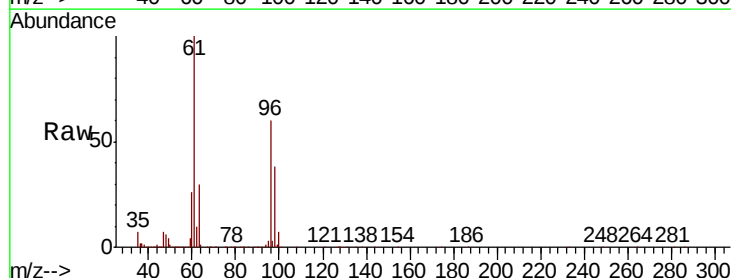
Tgt Ion: 96 Resp: 744779

Ion Ratio Lower Upper

96 100

61 166.6 125.5 188.3

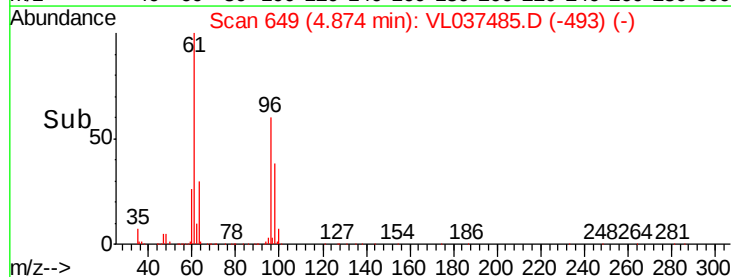
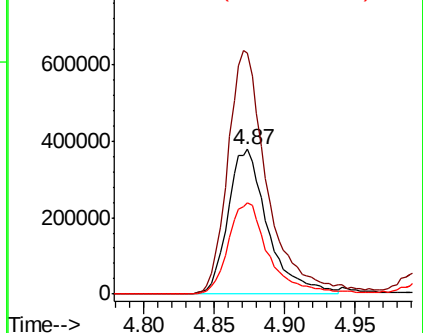
98 63.2 49.0 73.4

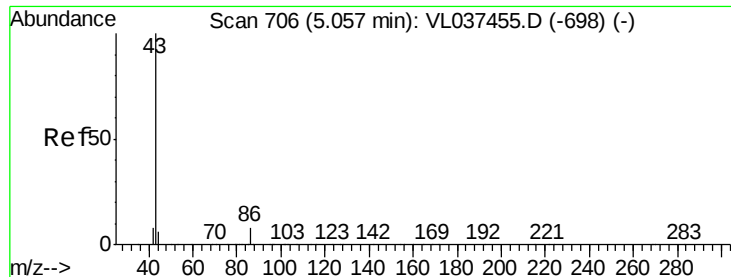


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 8.277 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1867463

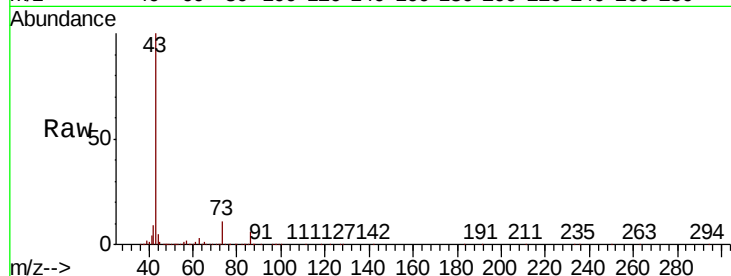
Ion Ratio Lower Upper

43 100

86 6.3 5.7 8.5

42 9.1 7.4 11.2

44 4.7 4.3 6.5

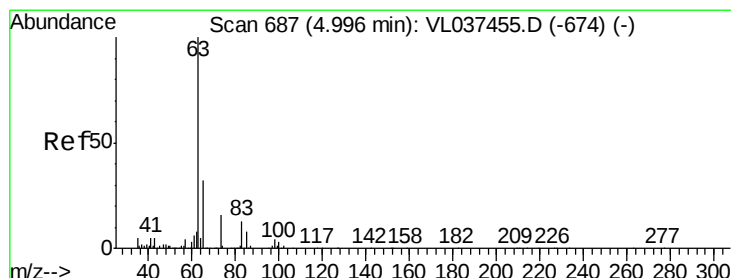
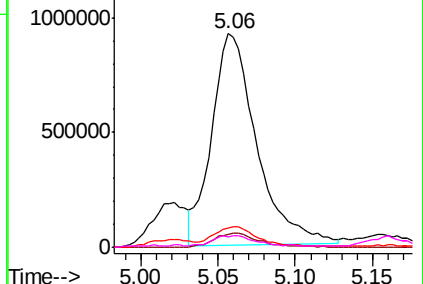
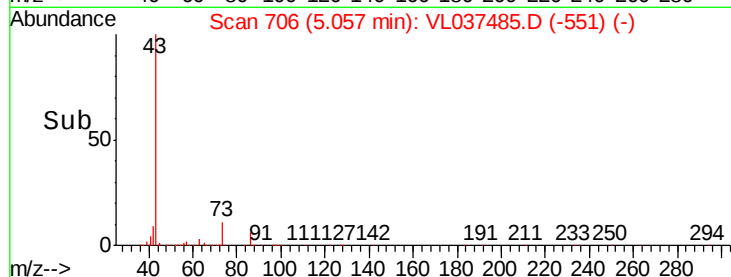


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.986 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

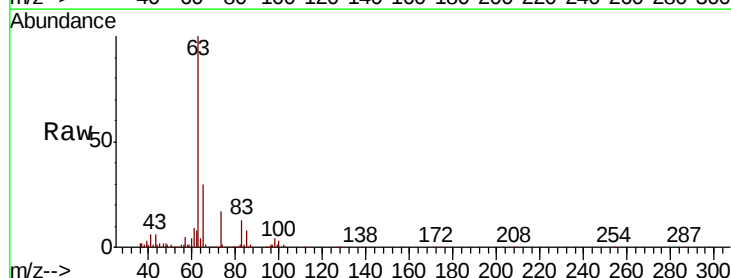
Tgt Ion: 63 Resp: 1470429

Ion Ratio Lower Upper

63 100

98 3.8 2.1 6.3

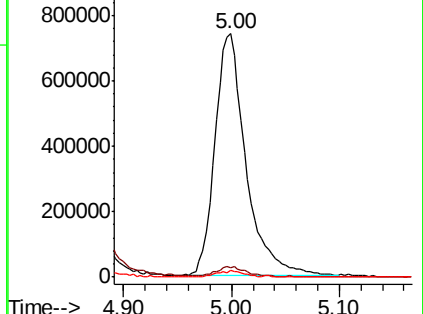
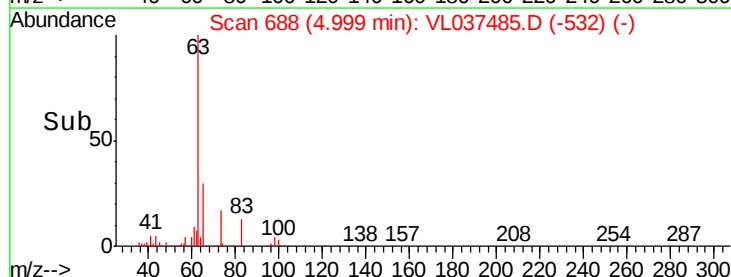
100 3.0 1.6 4.7

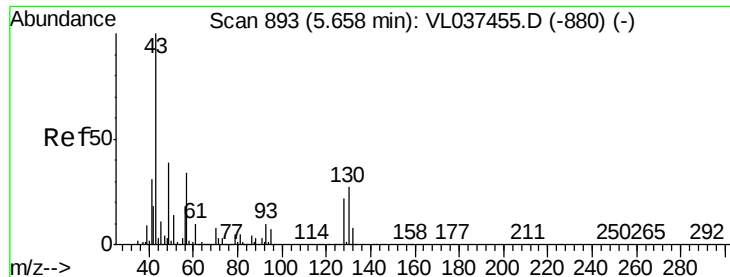


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

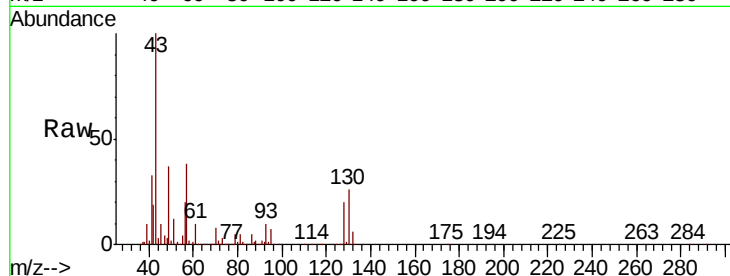




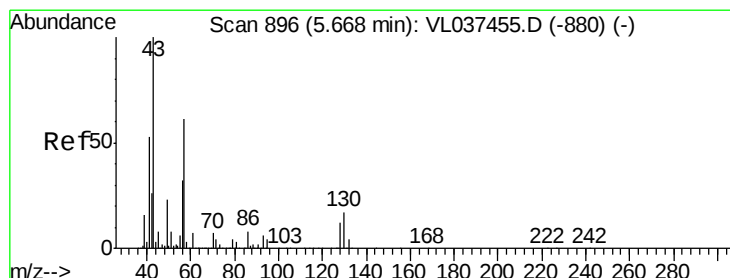
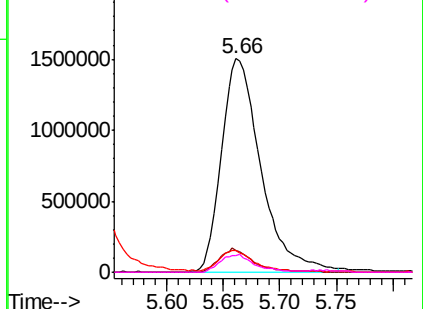
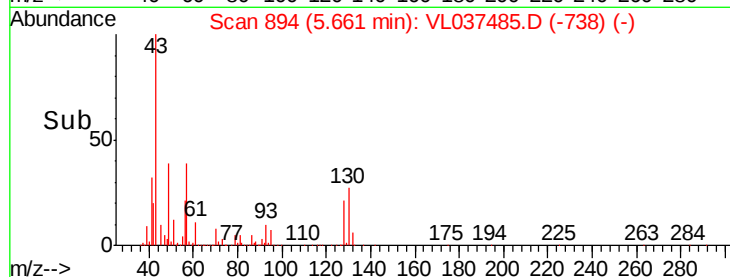
#25
Ethyl Acetate
Concen: 9.369 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	3640629
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.4	8.0	12.0
70	7.1	5.6	8.4

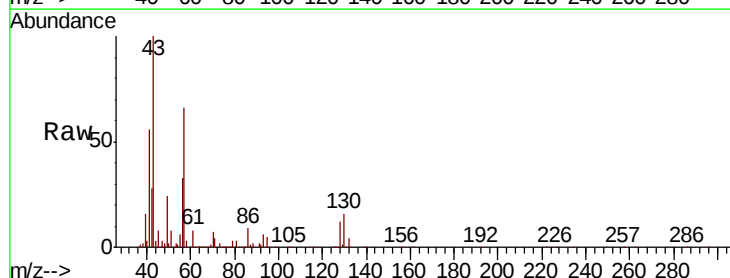


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

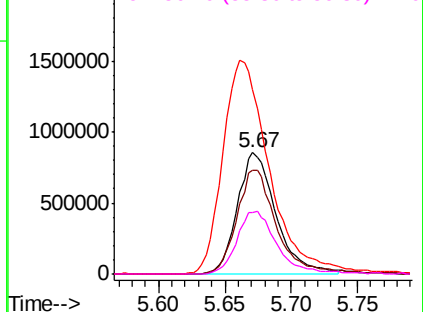
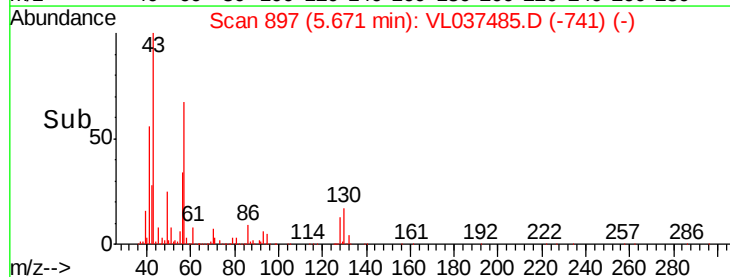


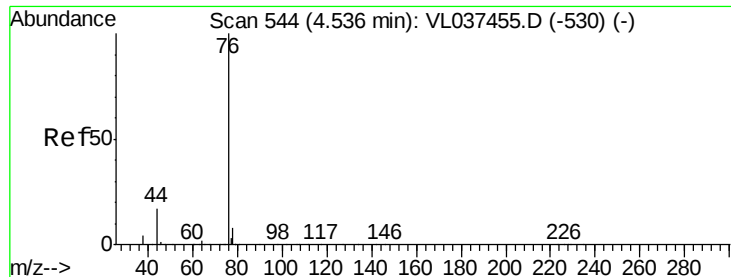
#26
Hexane
Concen: 9.106 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion:	57	Resp:	1730044
Ion	Ratio	Lower	Upper
57	100		
41	89.6	72.3	108.5
43	213.7	172.3	258.5
56	54.3	42.8	64.2



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.506 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

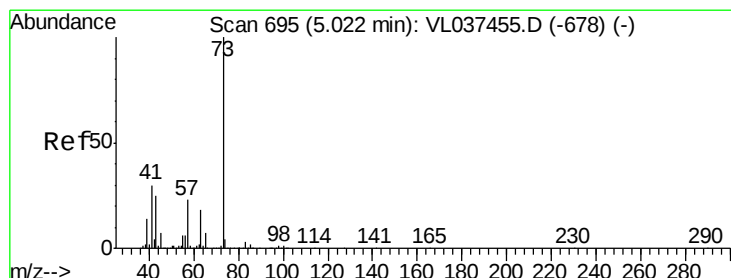
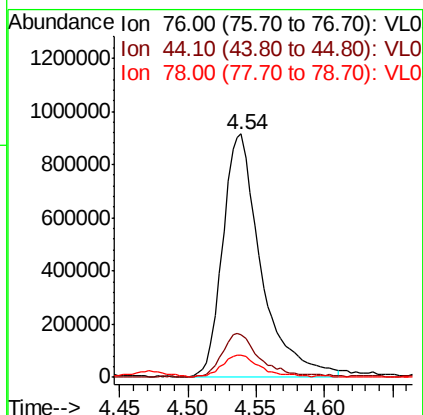
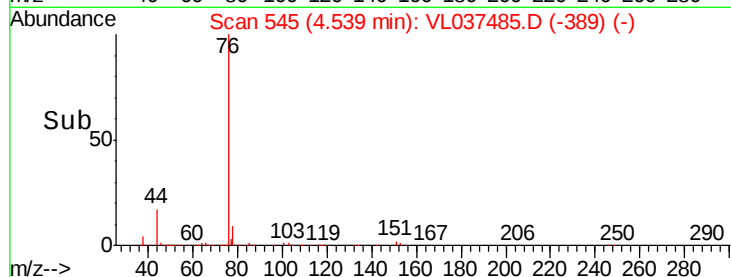
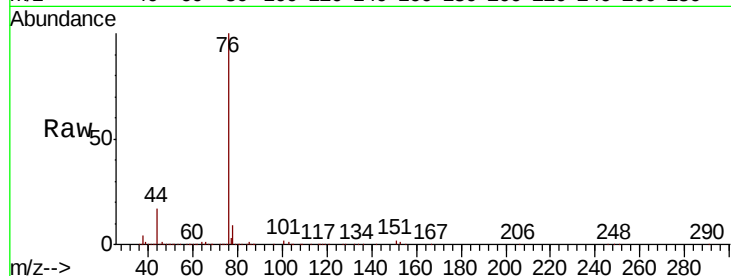
Tot Ion: 76 Resp: 1778871

Ion Ratio Lower Upper

76 100

44 17.8 13.9 20.9

78 9.8 7.9 11.9



#28

Methyl tert-Butyl Ether

Concen: 8.543 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL037485.D

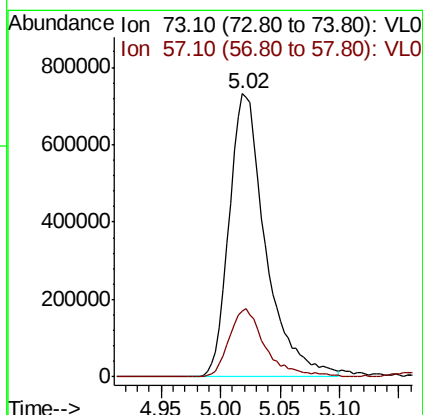
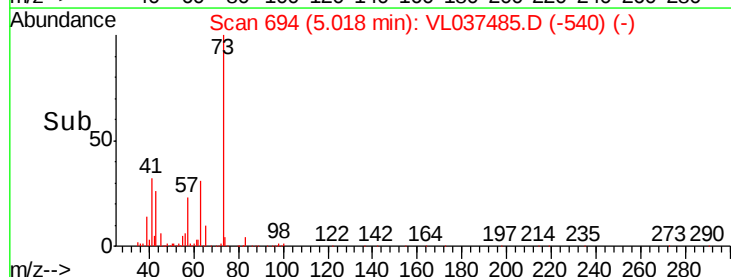
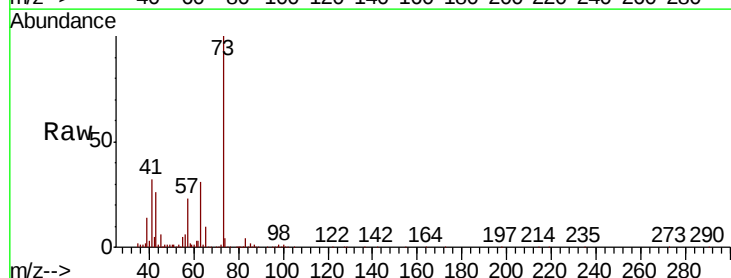
Acq: 18 Aug 2021 9:38

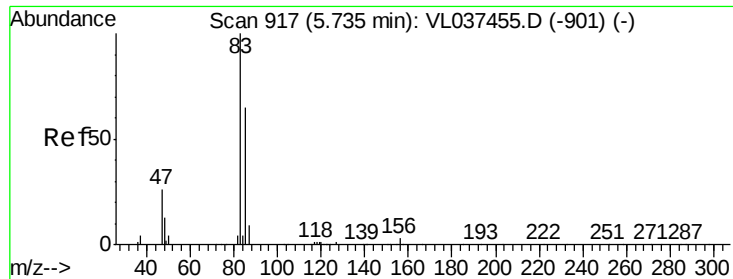
Tgt Ion: 73 Resp: 1558755

Ion Ratio Lower Upper

73 100

57 23.9 19.4 29.2

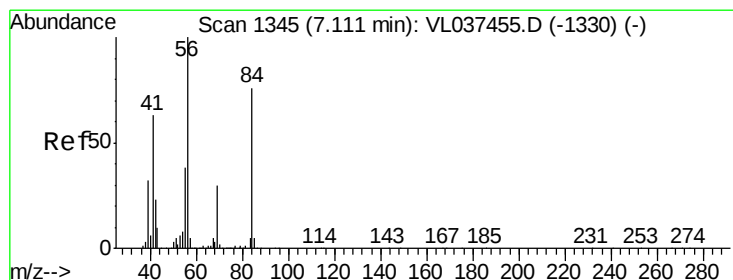
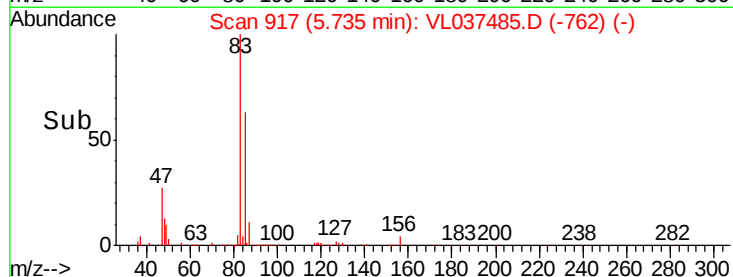
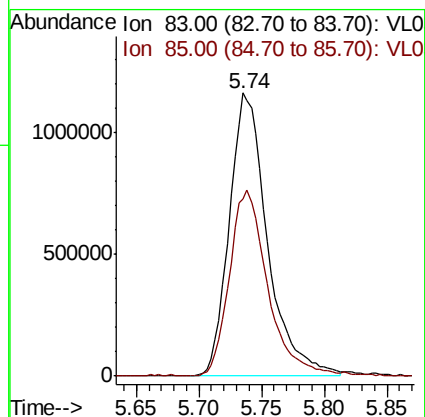
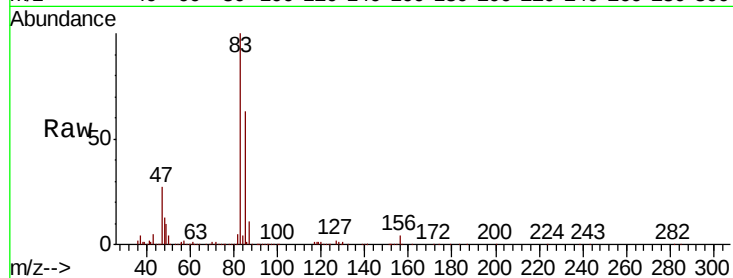




#29
Chloroform
Concen: 9.128 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

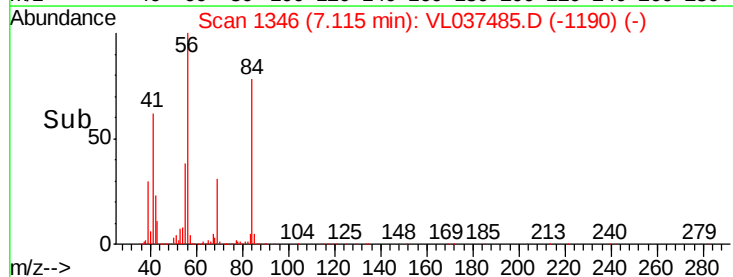
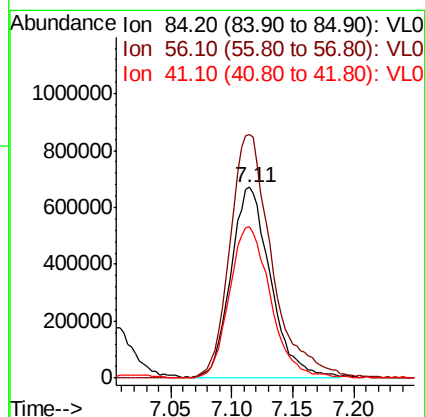
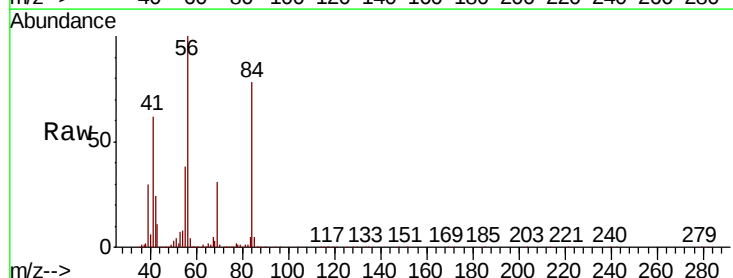
Instrument :
MSVOA_L
ClientSampleId :

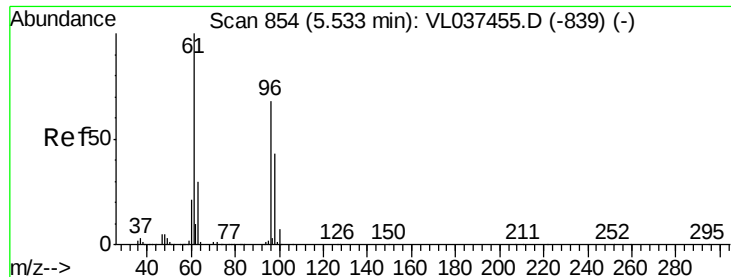
Tot Ion: 83 Resp: 2457595
Ion Ratio Lower Upper
83 100
85 62.5 52.3 78.5



#30
Cyclohexane
Concen: 9.450 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion: 84 Resp: 1495927
Ion Ratio Lower Upper
84 100
56 138.0 110.6 165.8
41 82.9 67.0 100.6



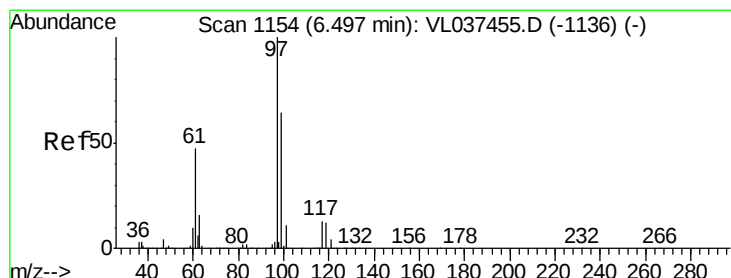
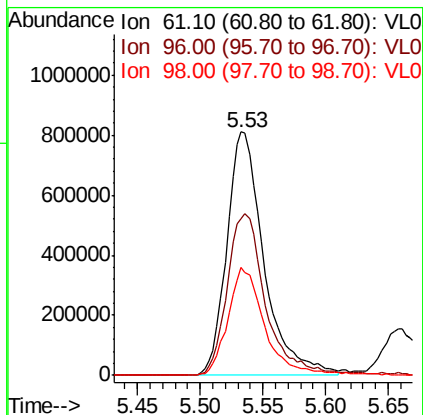
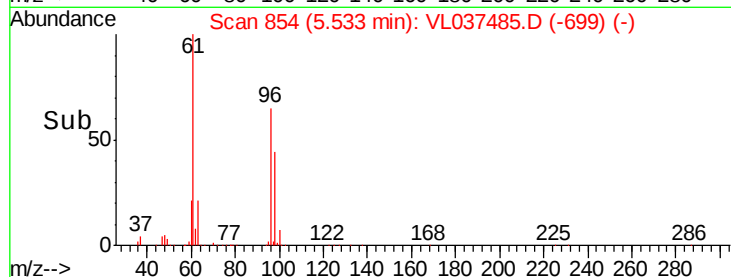
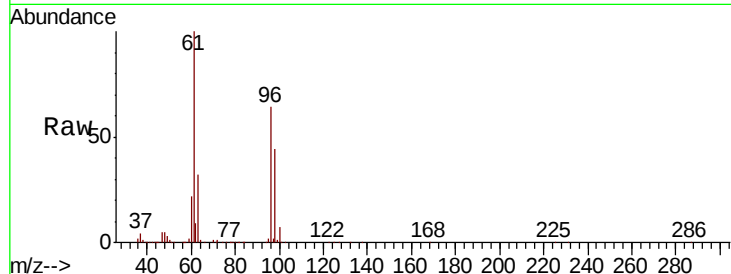


#31

cis-1,2-Dichloroethene
Concen: 9.671 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :

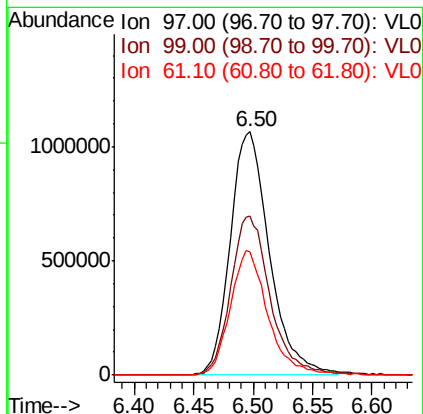
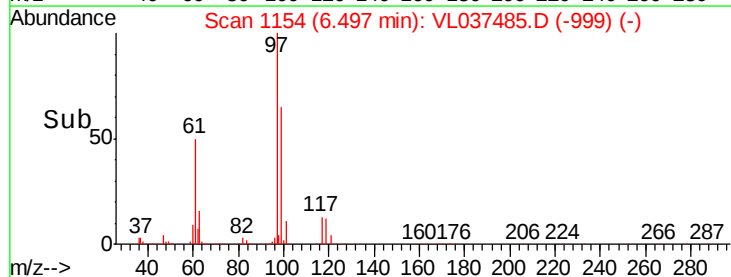
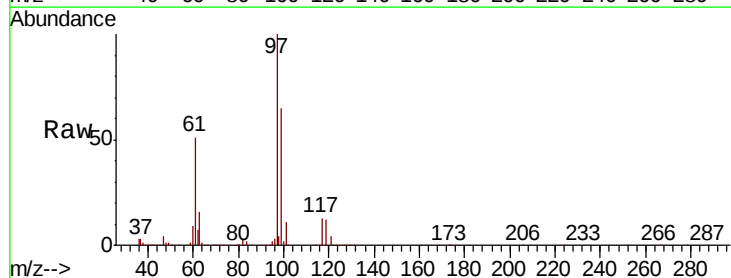
Tot Ion: 61 Resp: 1662919
Ion Ratio Lower Upper
61 100
96 64.2 54.8 82.2
98 44.4 34.2 51.2

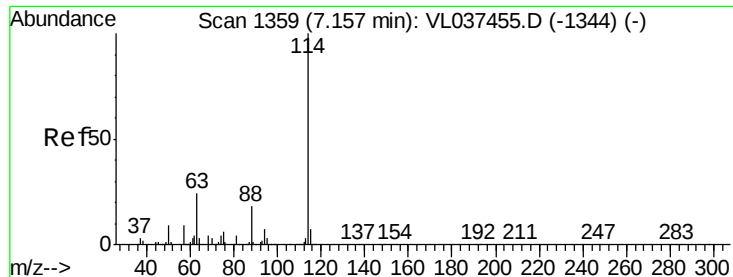


#32

1,1,1-Trichloroethane
Concen: 9.206 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion: 97 Resp: 2435426
Ion Ratio Lower Upper
97 100
99 66.0 51.8 77.6
61 49.1 39.6 59.4

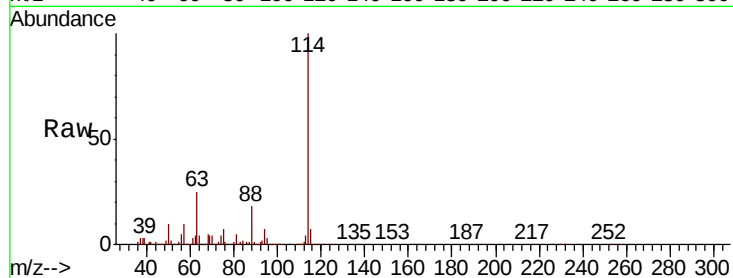




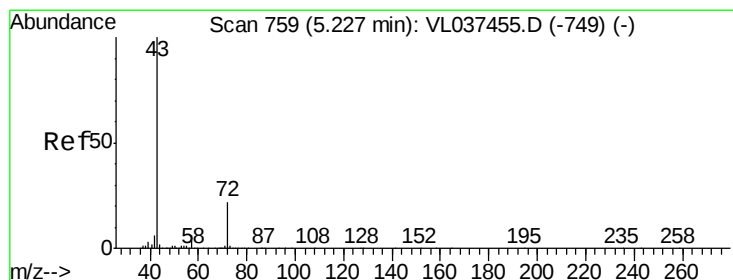
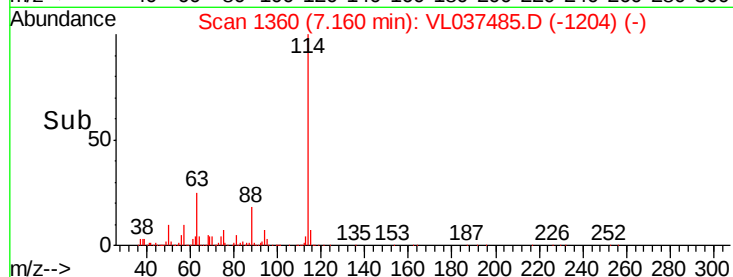
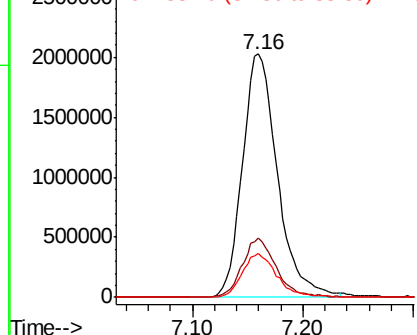
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4462760
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.3 28.9
 88 18.0 14.2 21.4

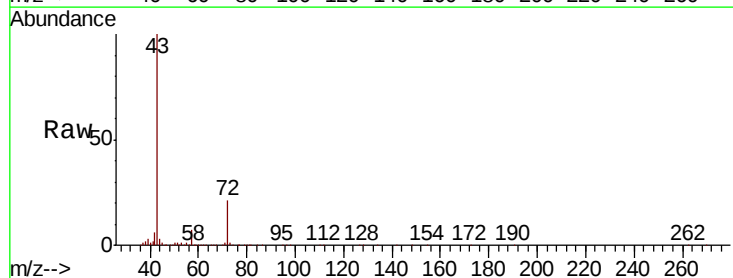


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

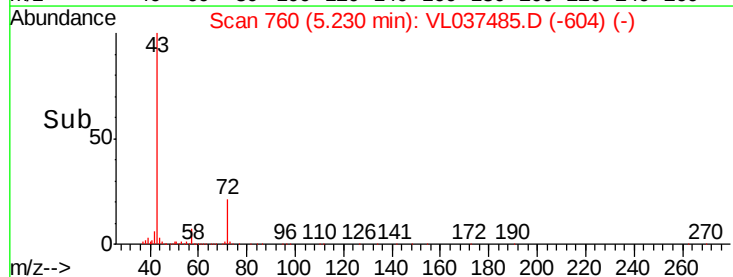
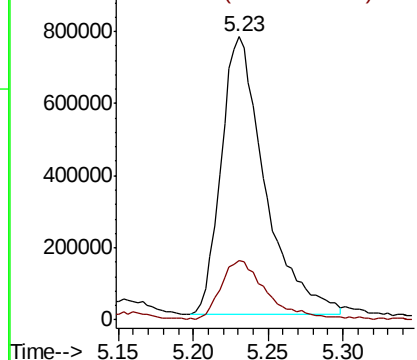


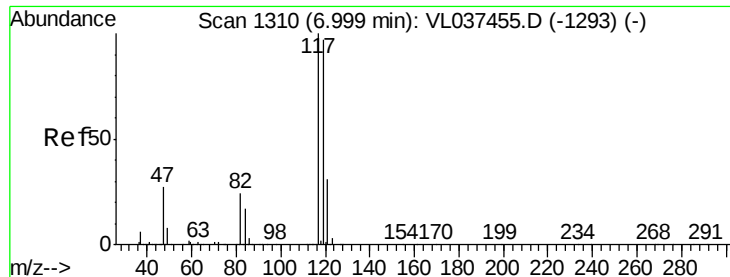
#34
 2-Butanone
 Concen: 8.650 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Tgt Ion: 43 Resp: 1576281
 Ion Ratio Lower Upper
 43 100
 72 23.3 17.4 26.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.552 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampled :

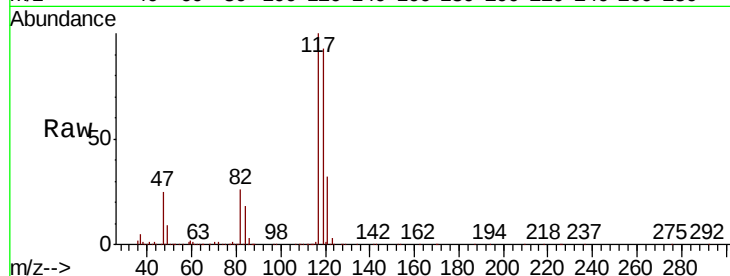
Tot Ion:117 Resp: 2519294

Ion Ratio Lower Upper

117 100

119 93.3 77.3 115.9

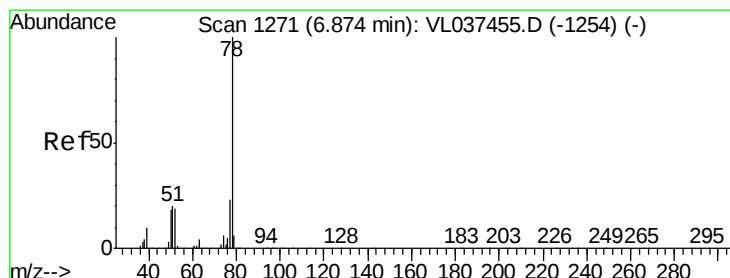
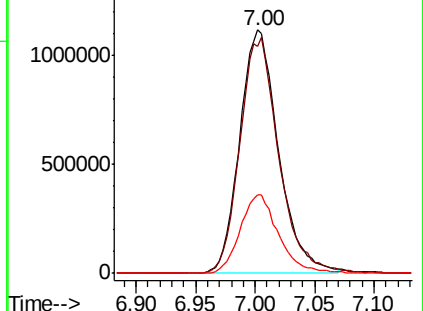
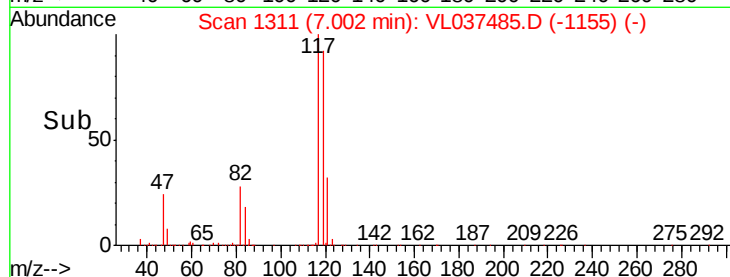
121 32.0 25.2 37.8



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: 9.584 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

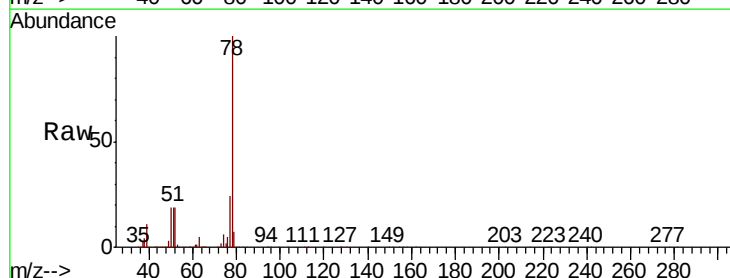
Tgt Ion: 78 Resp: 3595406

Ion Ratio Lower Upper

78 100

77 23.6 18.2 27.4

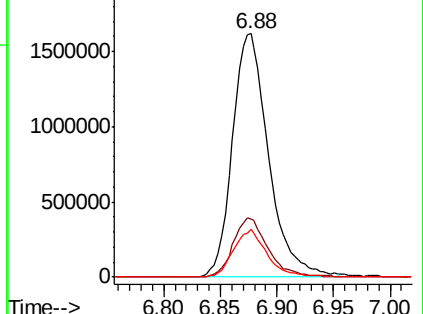
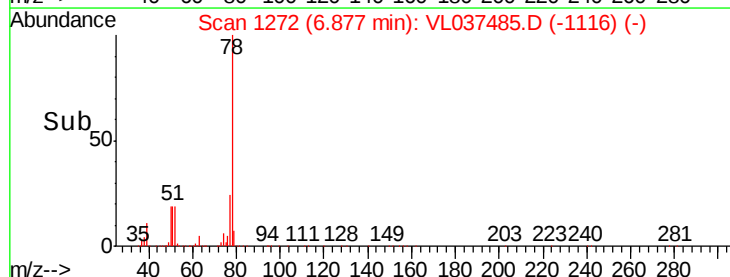
50 19.4 14.6 21.8

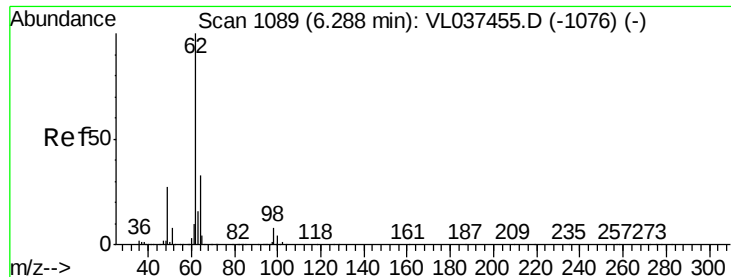


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

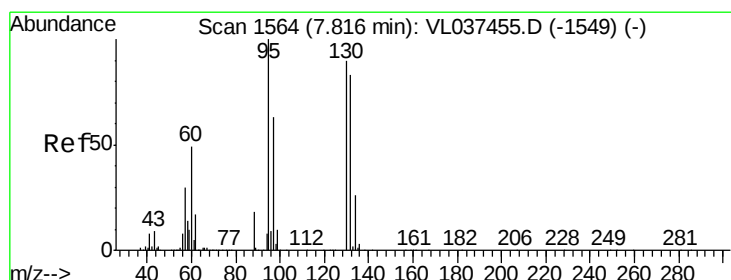
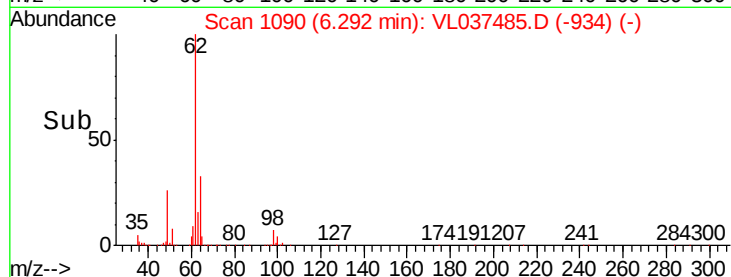
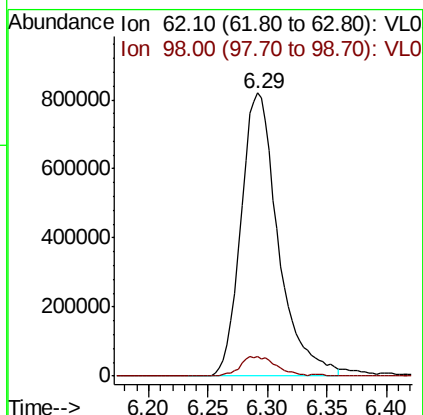
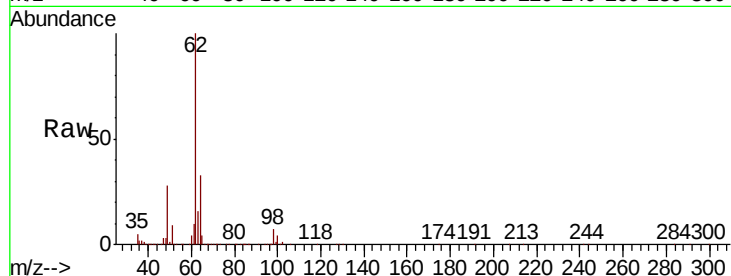




#37
 1,2-Dichloroethane
 Concen: 9.550 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

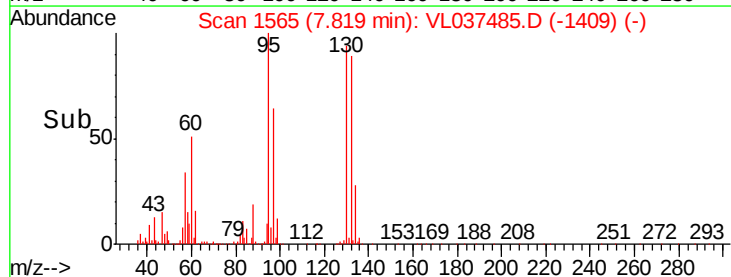
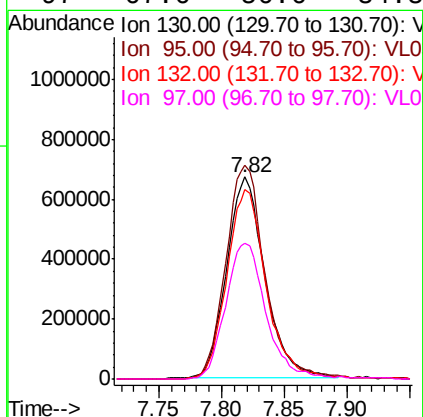
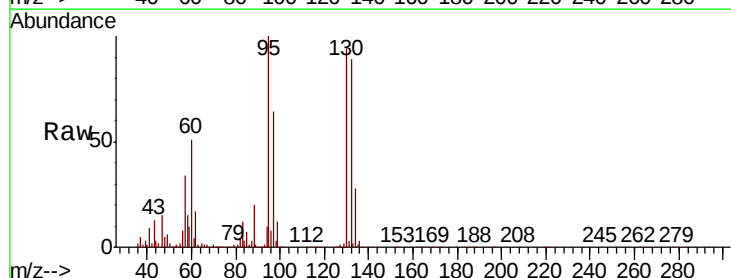
Instrument :
 MSVOA_L
 ClientSampleId :

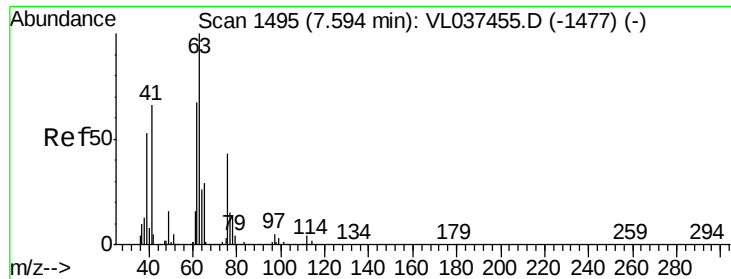
Tot Ion: 62 Resp: 1774606
 Ion Ratio Lower Upper
 62 100
 98 7.3 6.0 9.0



#38
 Trichloroethene
 Concen: 9.227 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Tgt Ion: 130 Resp: 1420317
 Ion Ratio Lower Upper
 130 100
 95 105.9 89.2 133.8
 132 94.0 74.0 111.0
 97 67.6 56.6 84.8





#39

1,2-Dichloropropane

Concen: 9.603 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

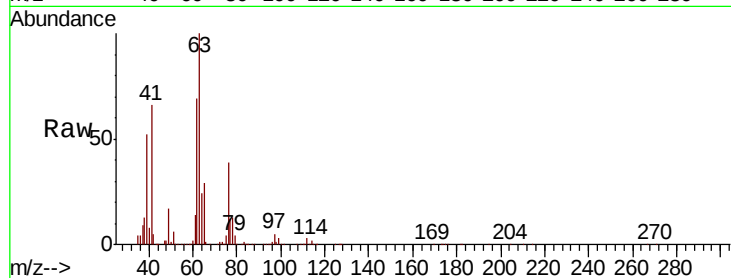
Tot Ion: 63 Resp: 1384387

Ion Ratio Lower Upper

63 100

41 65.9 52.4 78.6

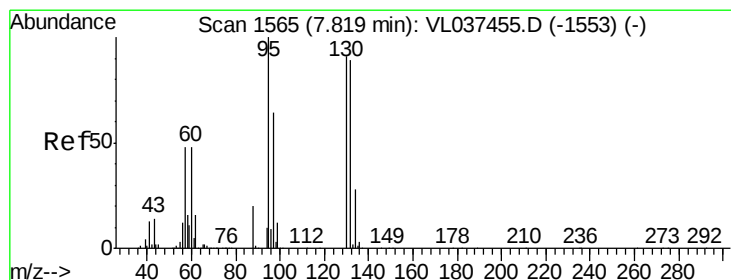
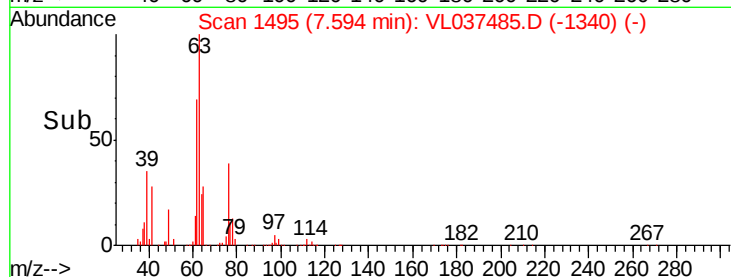
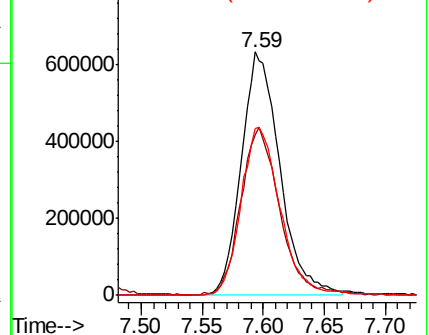
62 68.6 53.6 80.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.379 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Tgt Ion: 88 Resp: 331248

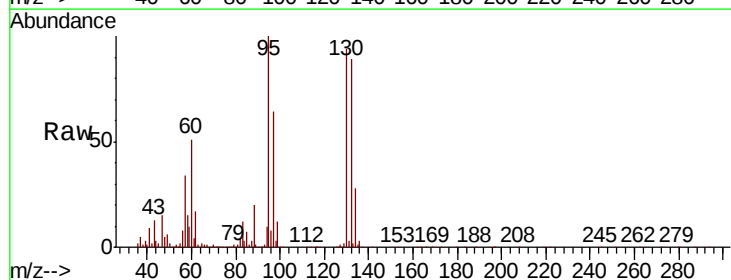
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

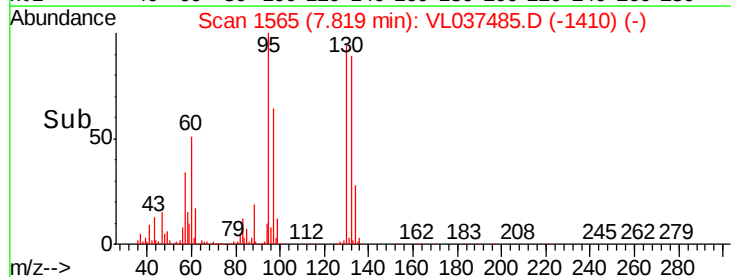
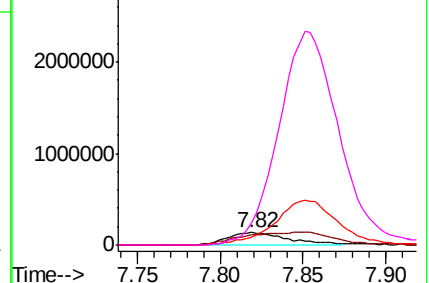


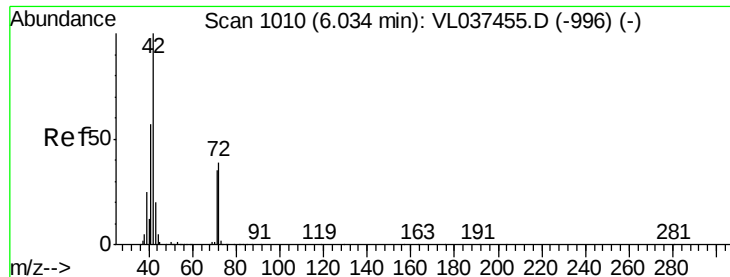
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.754 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampled :

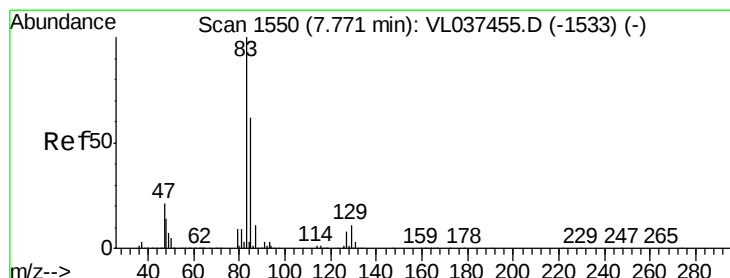
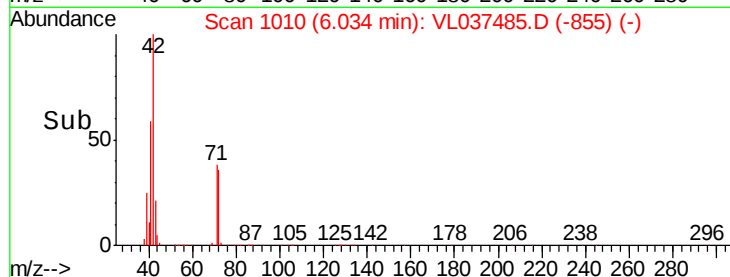
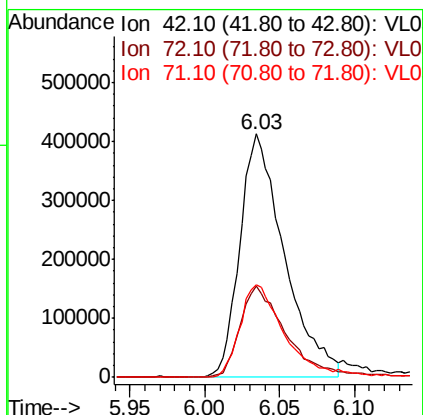
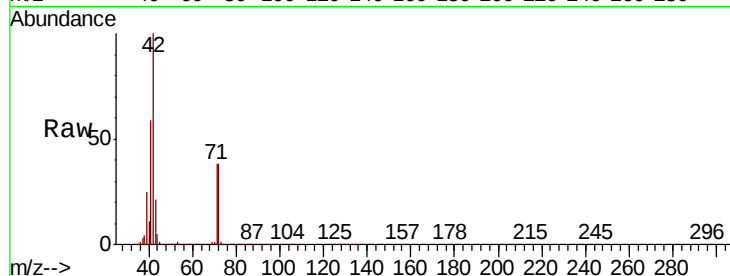
Tot Ion: 42 Resp: 856289

Ion Ratio Lower Upper

42 100

72 39.9 32.2 48.4

71 39.3 30.5 45.7



#42

Bromodichloromethane

Concen: 9.887 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

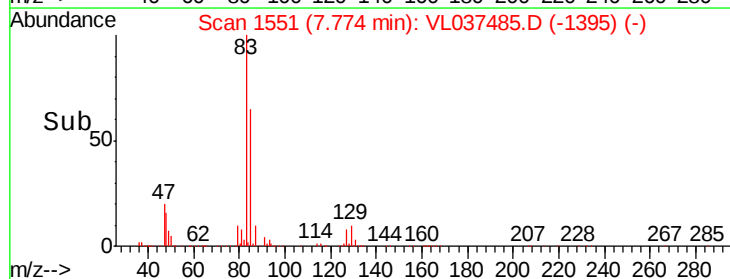
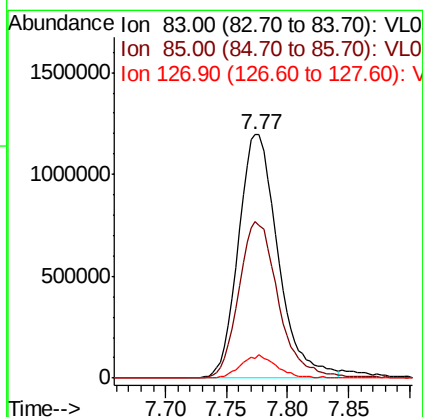
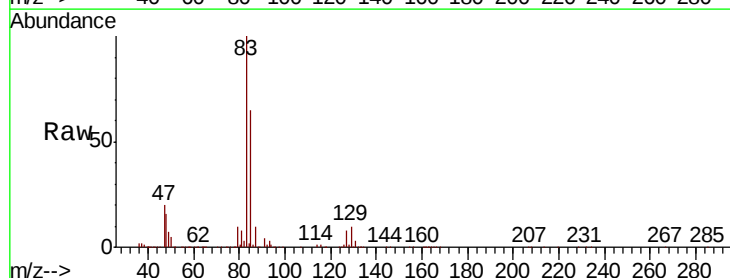
Tgt Ion: 83 Resp: 2686532

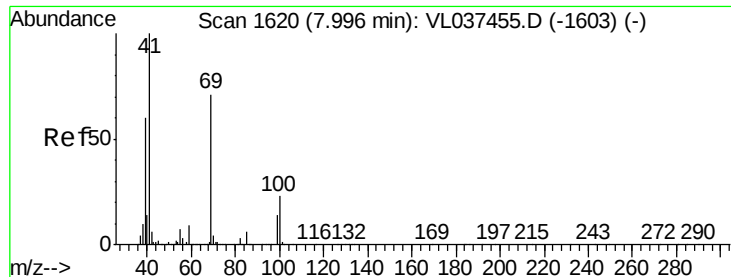
Ion Ratio Lower Upper

83 100

85 64.6 49.5 74.3

127 8.2 6.3 9.5





#43

Methyl Methacrylate

Concen: 9.989 ppbv

RT: 8.00 min Scan# 1620

Delta R.T. -0.00 min

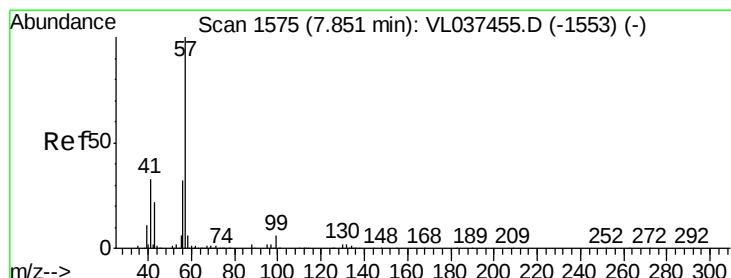
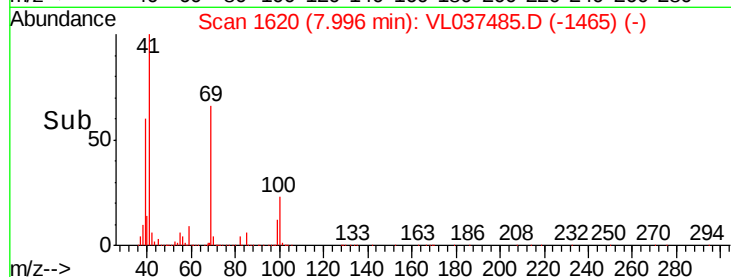
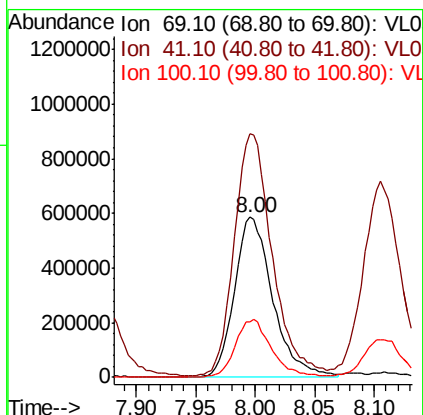
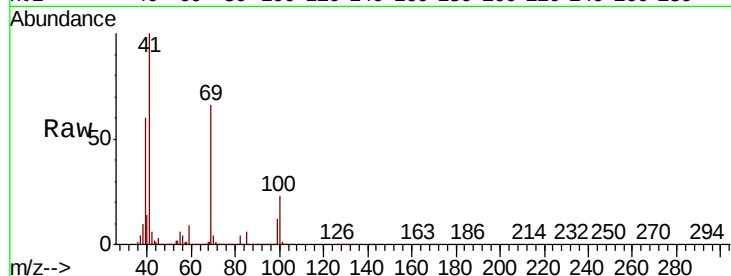
Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 1306155

Ion	Ratio	Lower	Upper
69	100		
41	151.5	118.6	178.0
100	34.4	27.4	41.0



#44

2,2,4-Trimethylpentane

Concen: 9.441 ppbv

RT: 7.85 min Scan# 1575

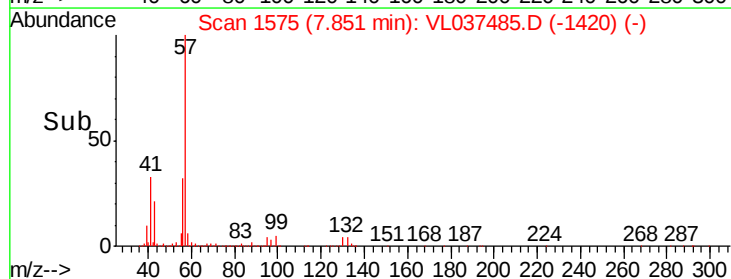
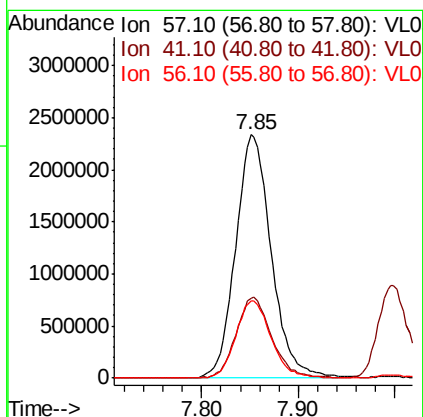
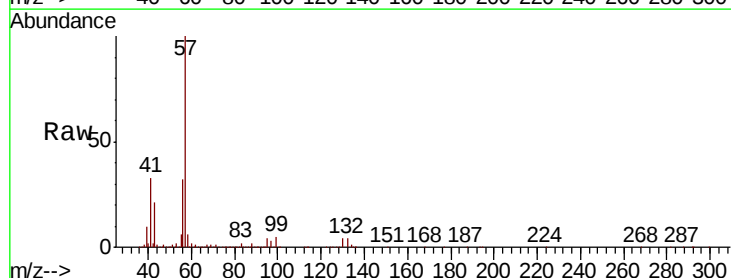
Delta R.T. -0.00 min

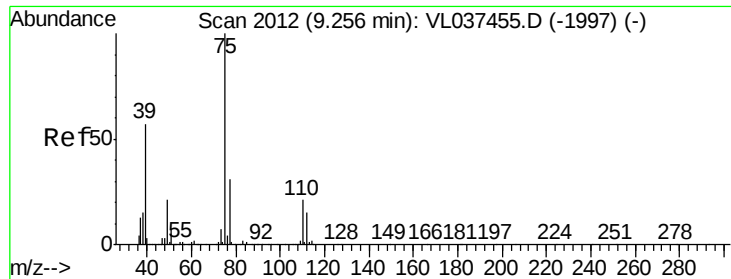
Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Tgt Ion: 57 Resp: 5960877

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.2	39.4
56	31.7	25.4	38.2

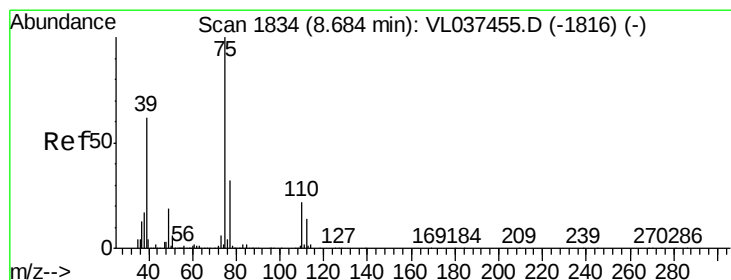
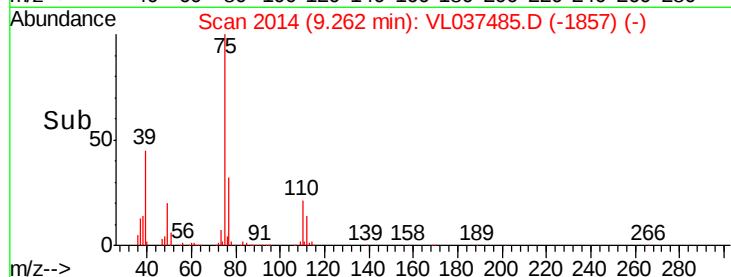
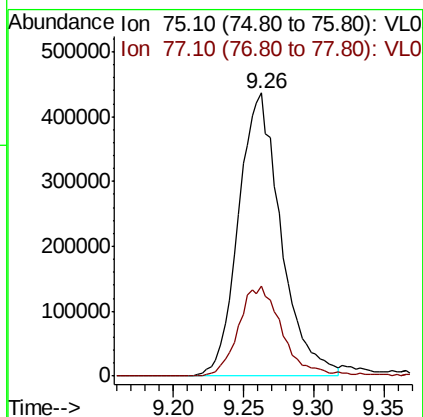
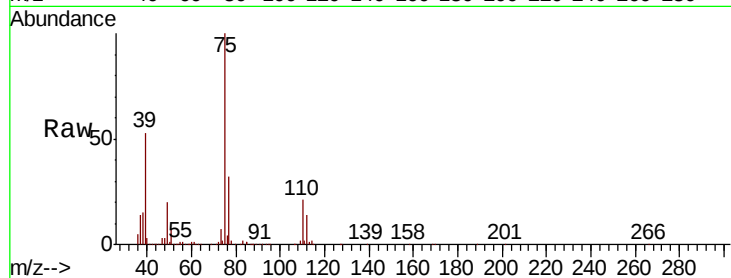




#45
 t-1,3-Dichloropropene
 Concen: 9.282 ppbv
 RT: 9.26 min Scan# 2014
 Delta R.T. 0.01 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

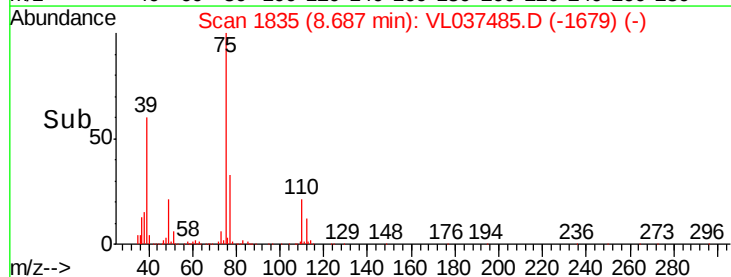
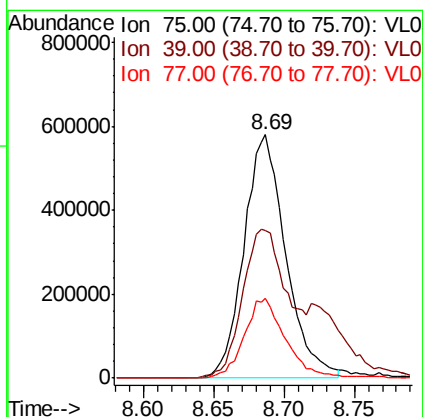
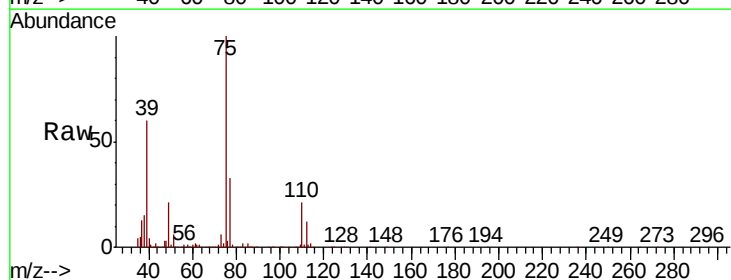
Instrument :
 MSVOA_L
 ClientSampled :

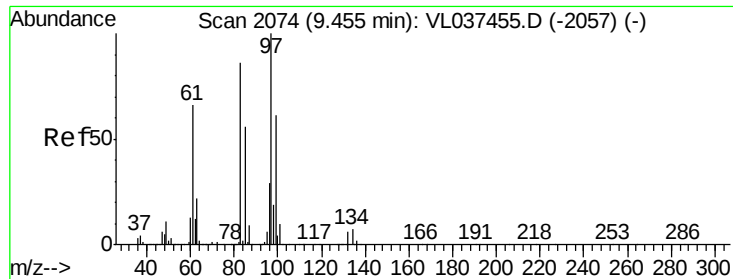
Tot Ion: 75 Resp: 913626
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.5 36.7



#46
 cis-1,3-Dichloropropene
 Concen: 8.768 ppbv
 RT: 8.69 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Tgt Ion: 75 Resp: 1203914
 Ion Ratio Lower Upper
 75 100
 39 60.3 49.7 74.5
 77 32.5 25.4 38.0



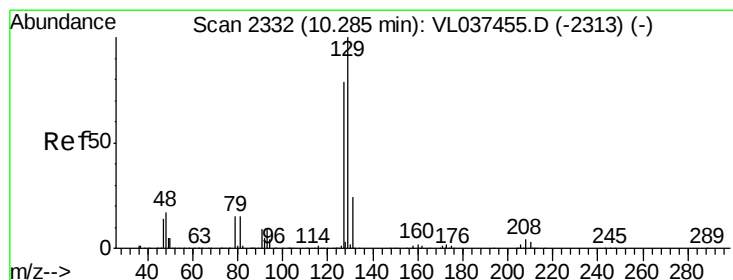
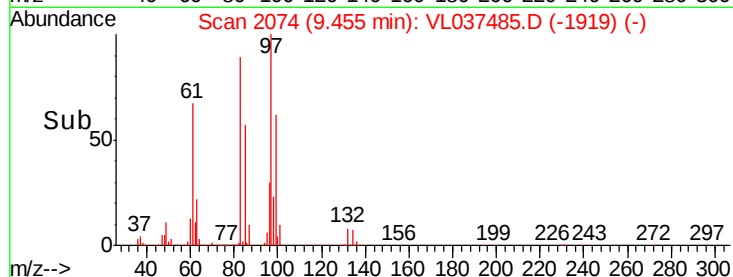
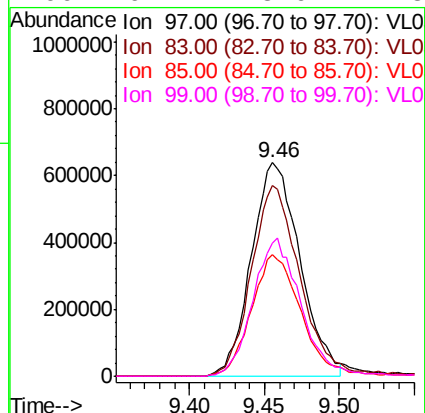
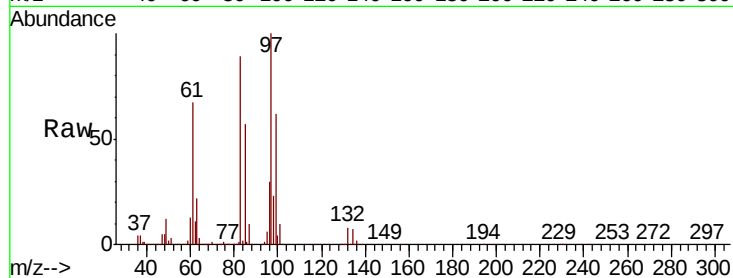


#47
 1,1,2-Trichloroethane
 Concen: 9.248 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1440461

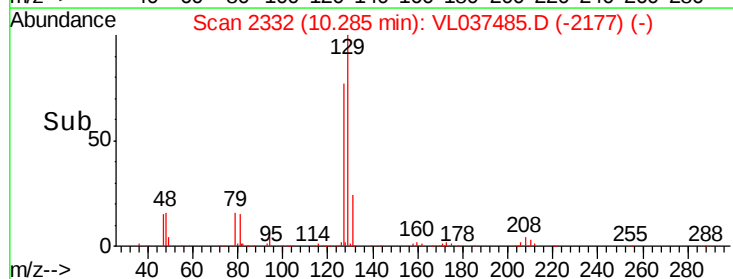
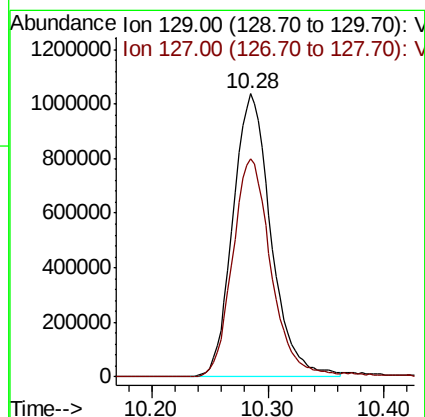
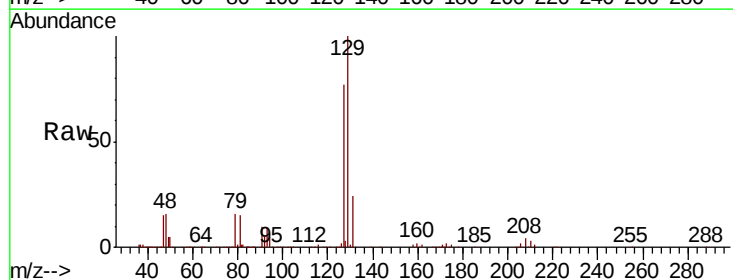
Ion	Ratio	Lower	Upper
97	100		
83	88.9	68.7	103.1
85	57.1	44.7	67.1
99	62.1	48.6	72.8

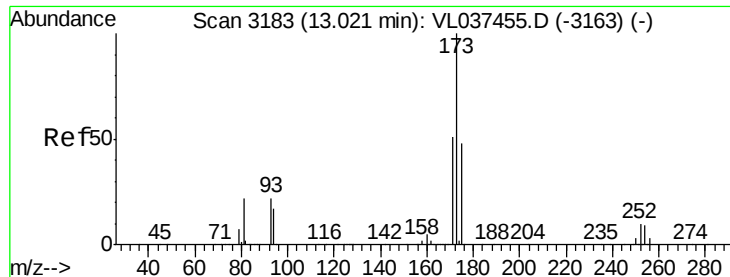


#48
 Dibromochloromethane
 Concen: 10.502 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Tgt Ion: 129 Resp: 2354069

Ion	Ratio	Lower	Upper
129	100		
127	79.5	40.0	120.0





#49

Bromoform

Concen: 10.722 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

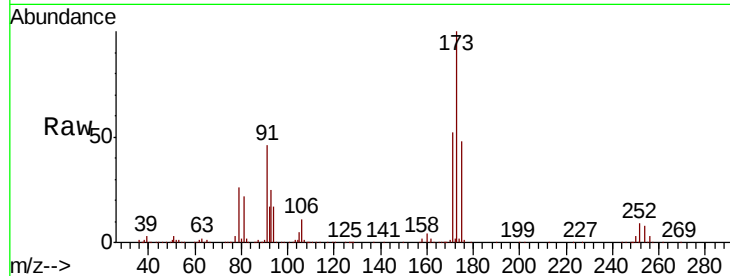
Tot Ion:173 Resp: 1894505

Ion Ratio Lower Upper

173 100

175 52.6 41.9 62.9

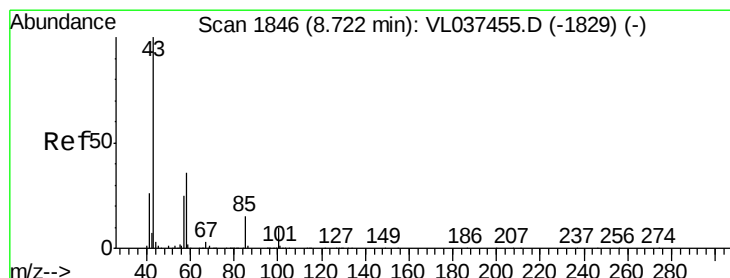
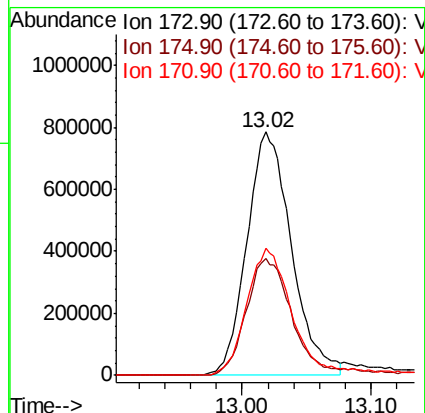
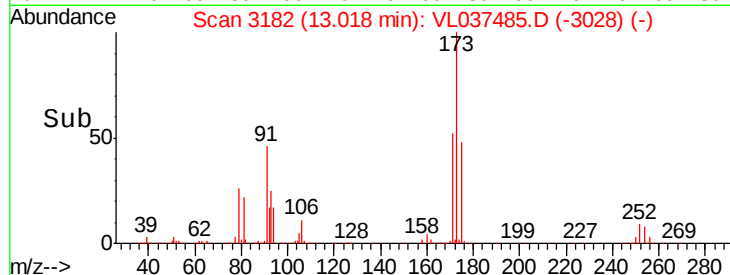
171 53.6 44.2 66.4



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: 10.188 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL037485.D

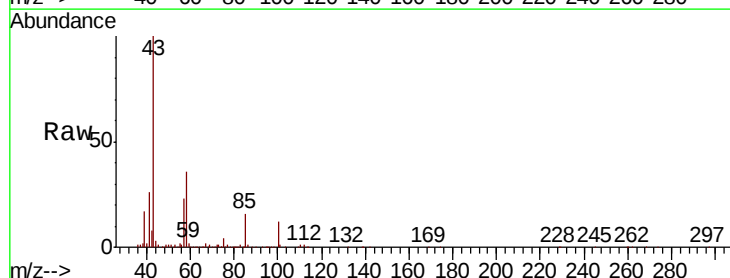
Acq: 18 Aug 2021 9:38

Tgt Ion: 43 Resp: 2422240

Ion Ratio Lower Upper

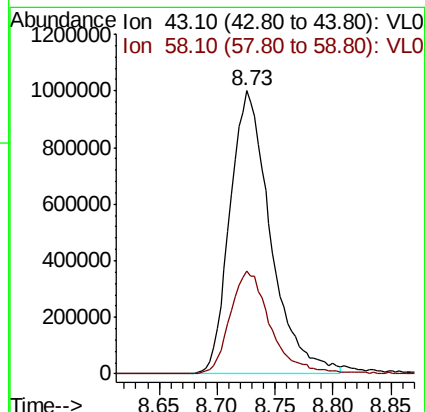
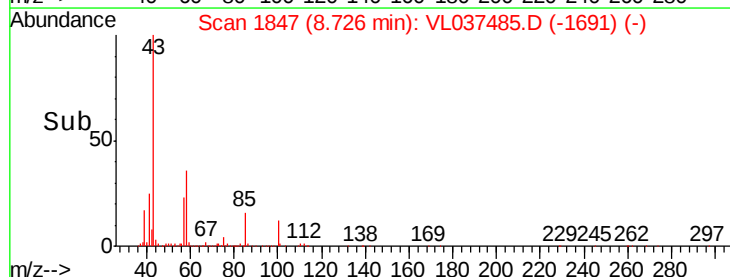
43 100

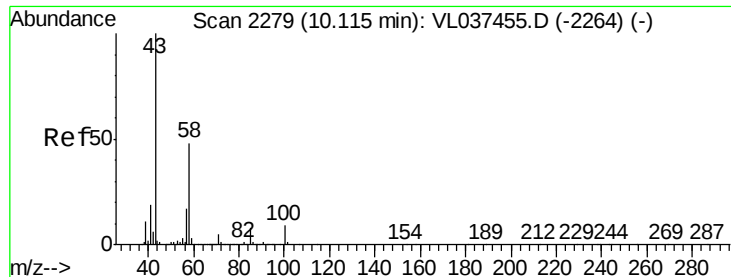
58 36.6 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

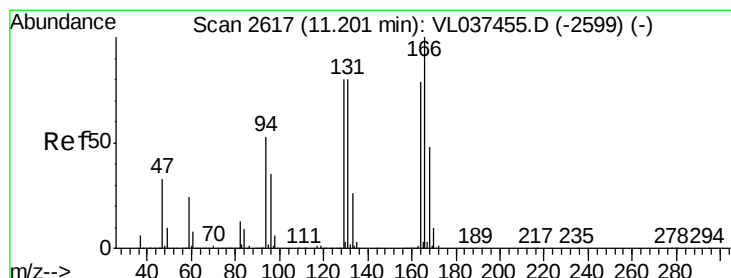
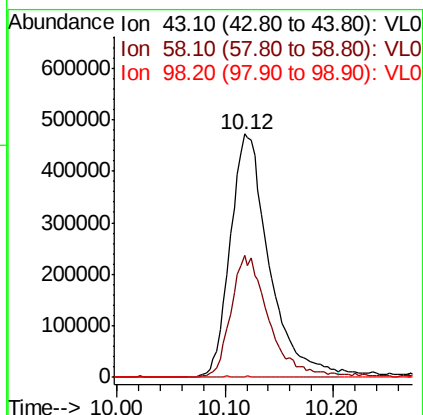
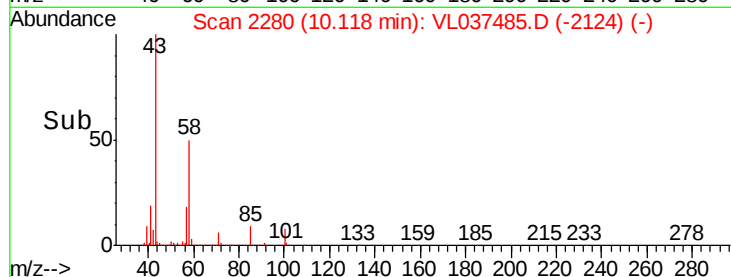
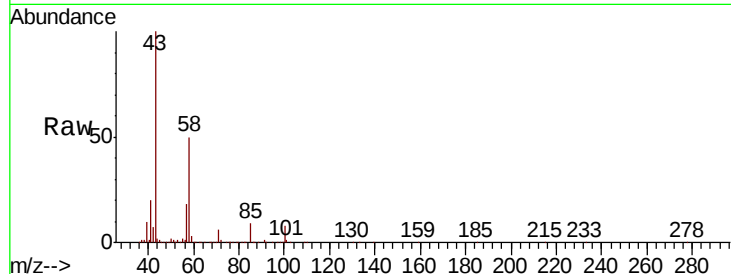




#51
2-Hexanone
Concen: 10.838 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

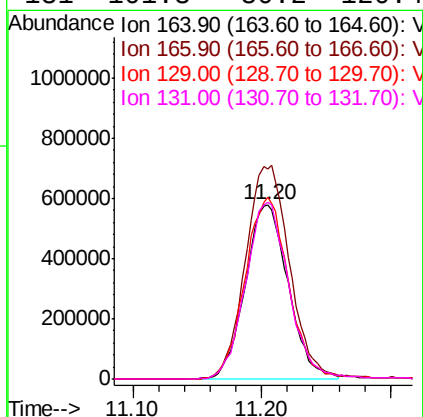
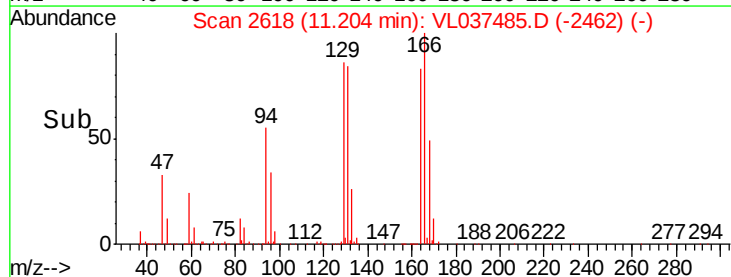
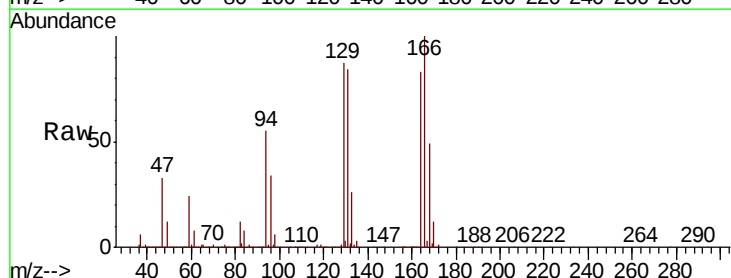
Instrument :
MSVOA_L
ClientSampleId :

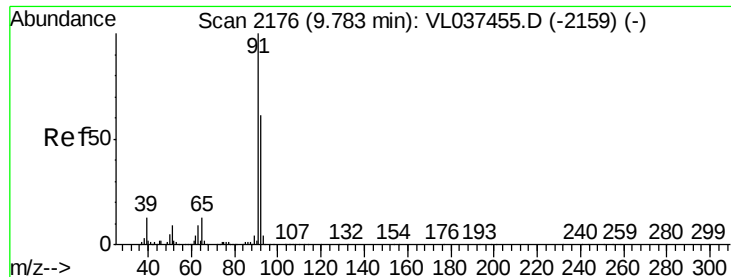
Tot Ion: 43 Resp: 1185182
Ion Ratio Lower Upper
43 100
58 49.5 41.0 61.6
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 8.710 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion: 164 Resp: 1338948
Ion Ratio Lower Upper
164 100
166 120.8 100.7 151.1
129 104.4 80.9 121.3
131 101.3 80.2 120.4





#53

Toluene

Concen: 9.828 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

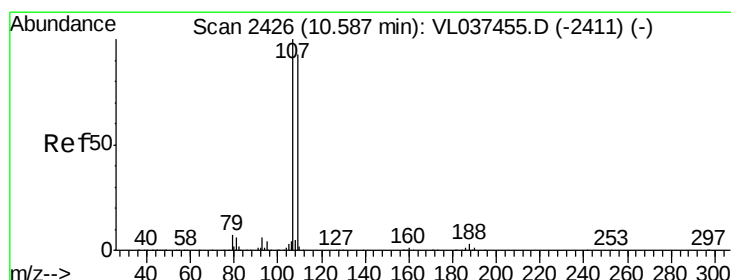
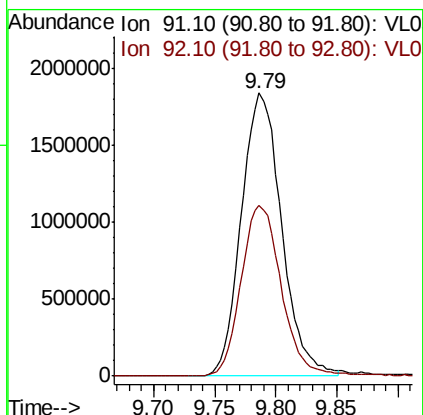
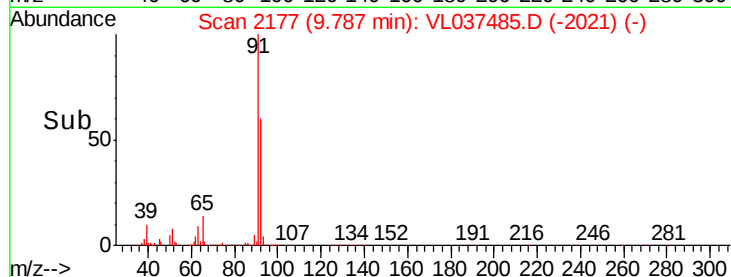
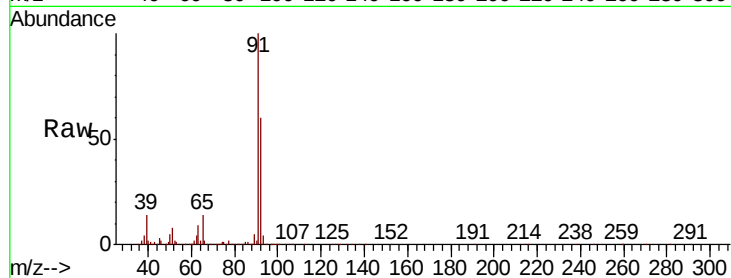
ClientSampleId :

Tot Ion: 91 Resp: 4209855

Ion Ratio Lower Upper

91 100

92 61.0 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.505 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL037485.D

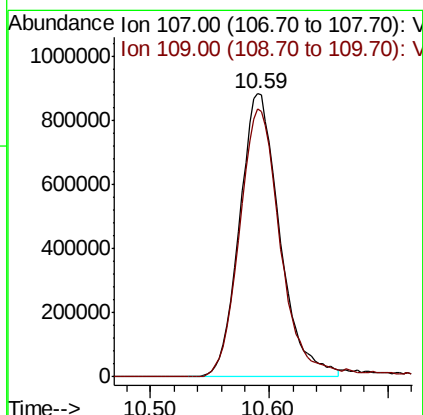
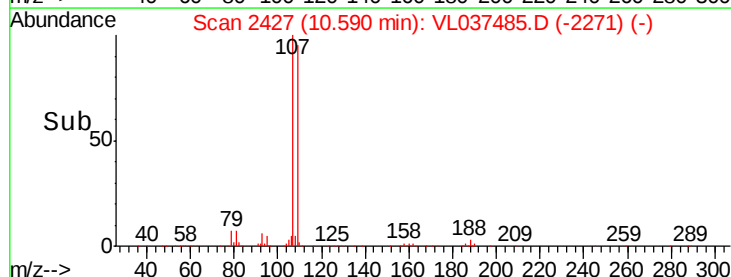
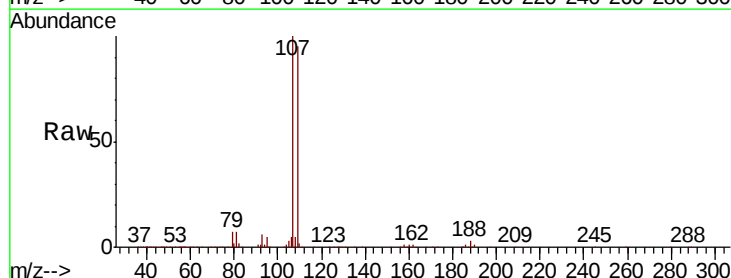
Acq: 18 Aug 2021 9:38

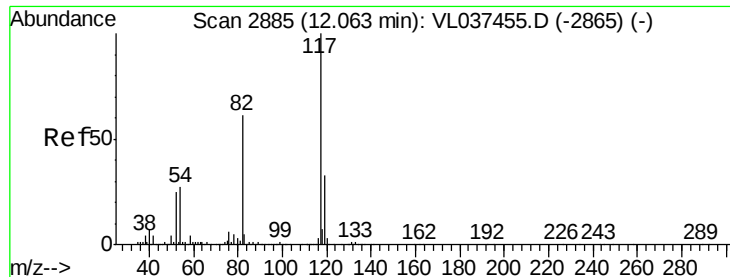
Tgt Ion: 107 Resp: 2066823

Ion Ratio Lower Upper

107 100

109 94.6 74.2 111.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

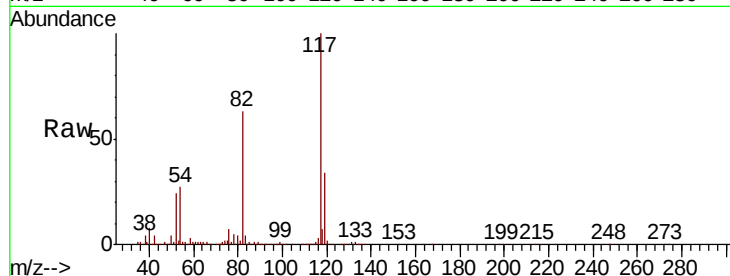
Tot Ion:117 Resp: 4956954

Ion Ratio Lower Upper

117 100

82 52.5 52.9 79.3#

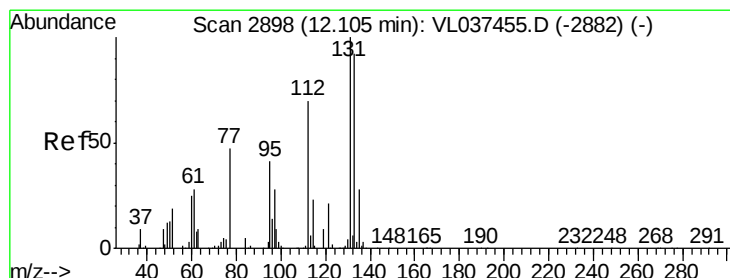
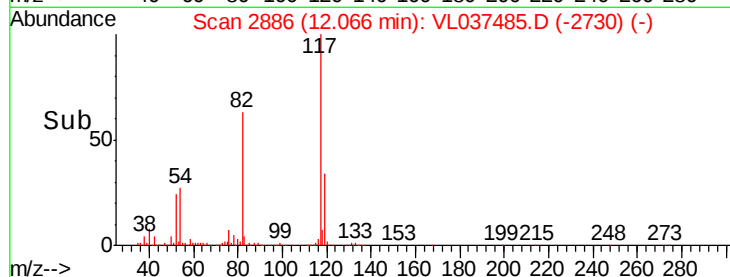
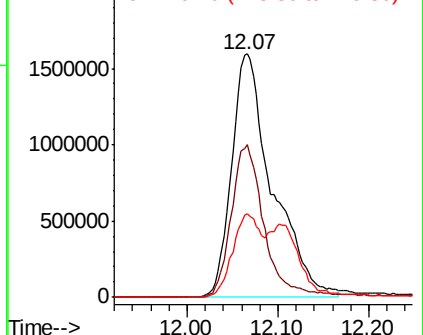
119 25.8 24.8 37.2



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.771 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

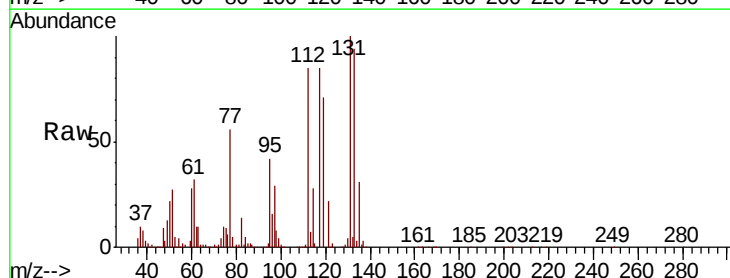
Tgt Ion:131 Resp: 1605042

Ion Ratio Lower Upper

131 100

133 98.9 78.7 118.1

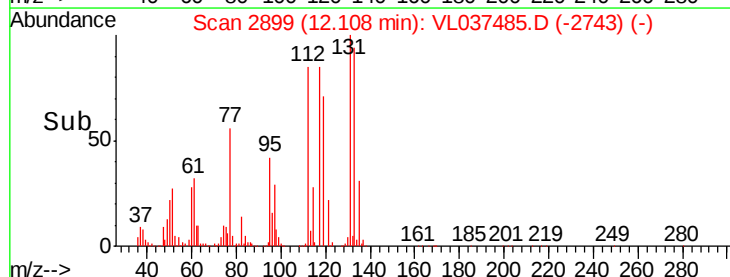
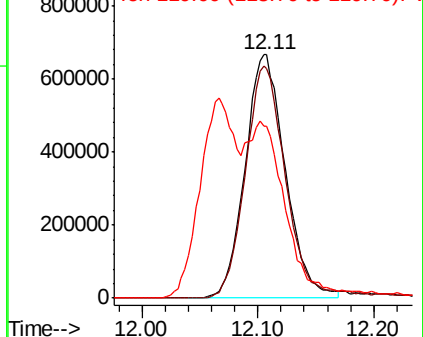
119 68.8 56.6 85.0

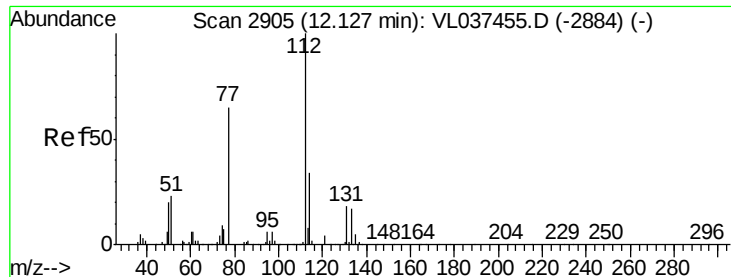


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.465 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

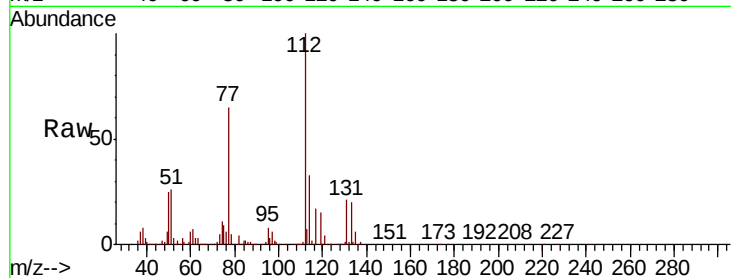
Tot Ion:112 Resp: 3070729

Ion Ratio Lower Upper

112 100

77 63.8 51.6 77.4

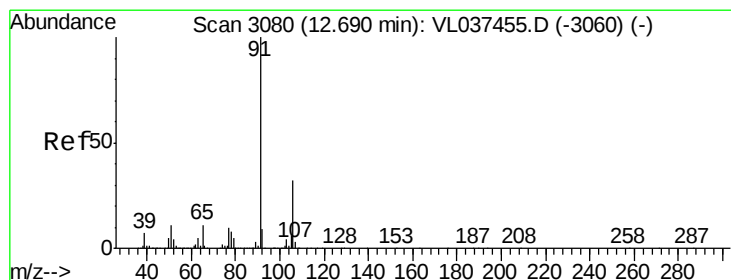
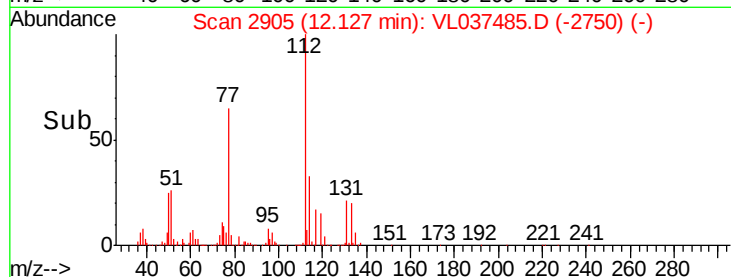
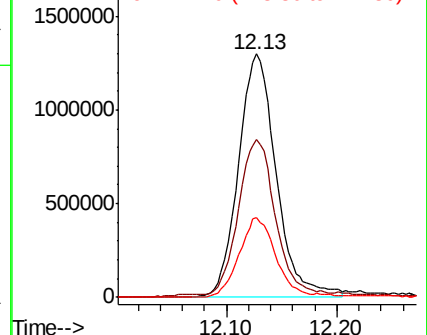
114 32.6 30.7 37.5



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: 7.771 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.00 min

Lab File: VL037485.D

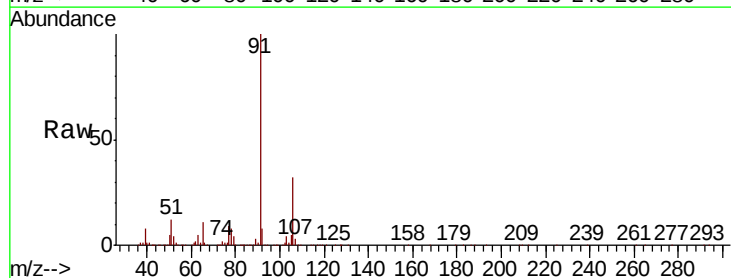
Acq: 18 Aug 2021 9:38

Tgt Ion: 91 Resp: 5345553

Ion Ratio Lower Upper

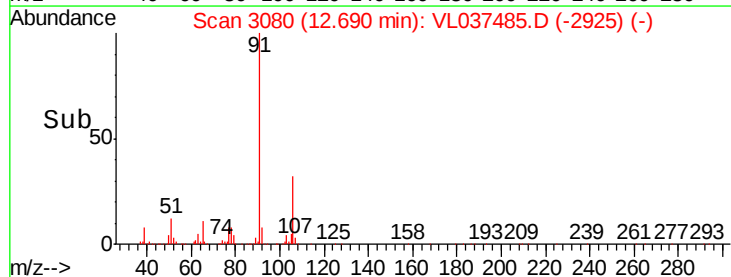
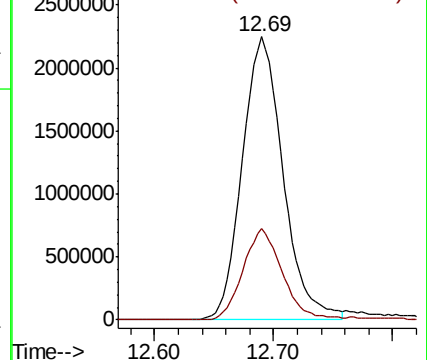
91 100

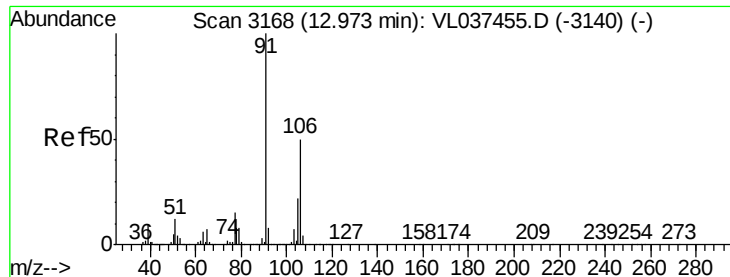
106 32.2 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

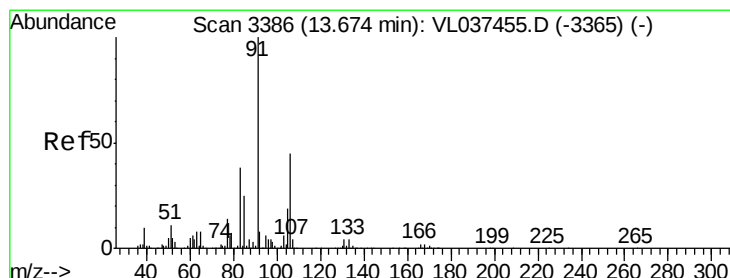
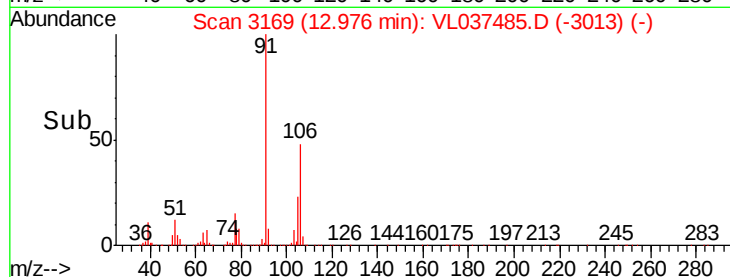
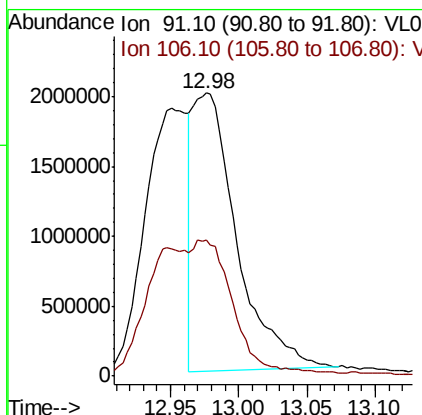
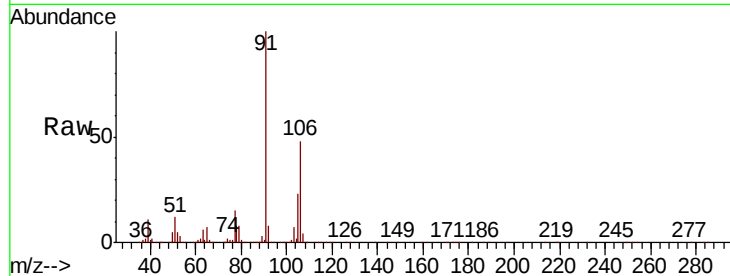




#59
m/p-Xylene
Concen: 7.392 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

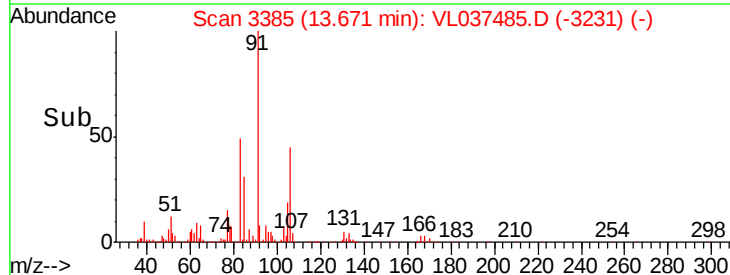
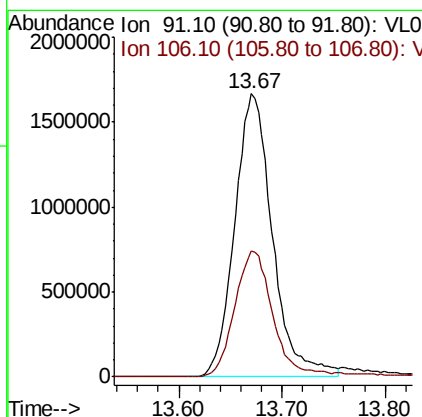
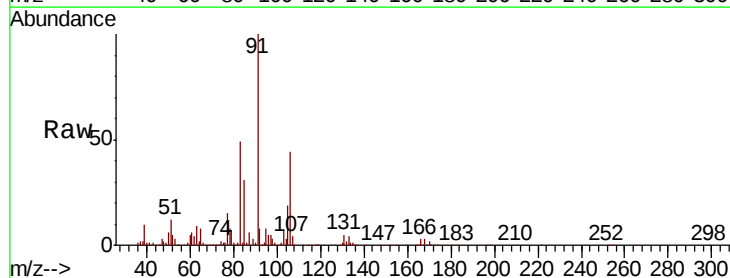
Instrument :
MSVOA_L
ClientSampled :

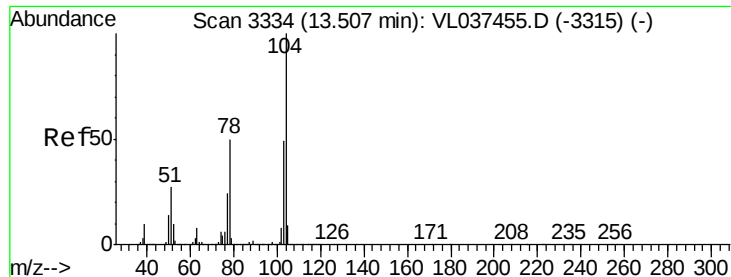
Tot Ion: 91 Resp: 4408464
Ion Ratio Lower Upper
91 100
106 94.4 36.9 55.3#



#60
o-Xylene
Concen: 7.611 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion: 91 Resp: 4236170
Ion Ratio Lower Upper
91 100
106 46.5 23.7 71.1





#61

Stvrene

Concen: 8.178 ppbv

RT: 13.51 min Scan# 3334

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

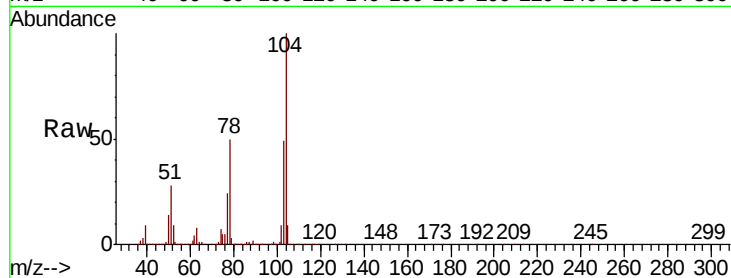
Tot Ion:104 Resp: 2364612

Ion Ratio Lower Upper

104 100

78 51.1 41.3 61.9

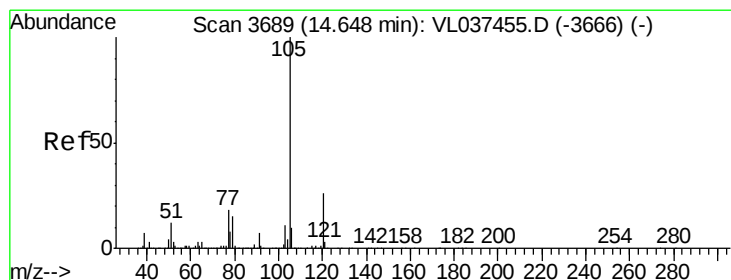
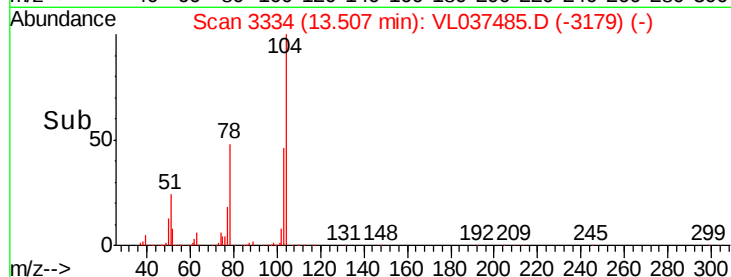
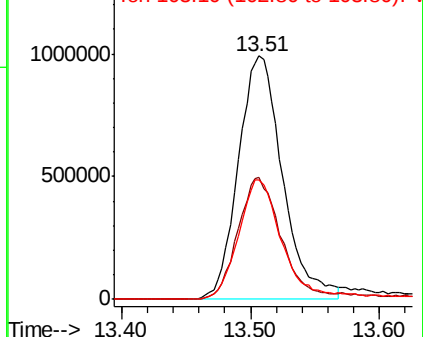
103 49.6 39.4 59.0



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: 7.411 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.00 min

Lab File: VL037485.D

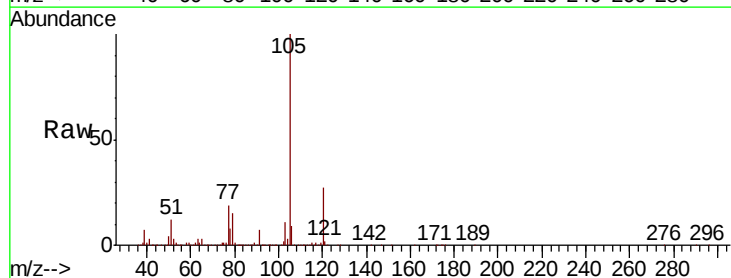
Acq: 18 Aug 2021 9:38

Tgt Ion:105 Resp: 5821953

Ion Ratio Lower Upper

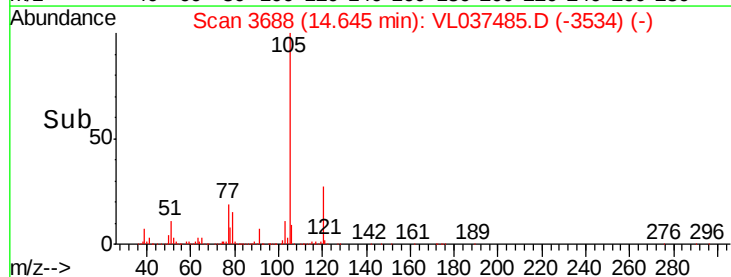
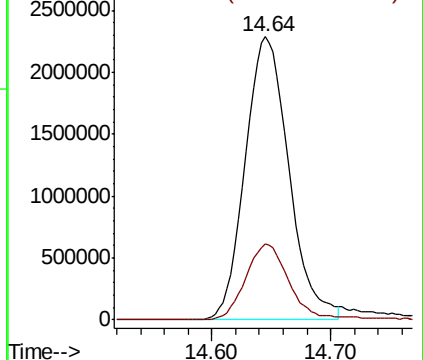
105 100

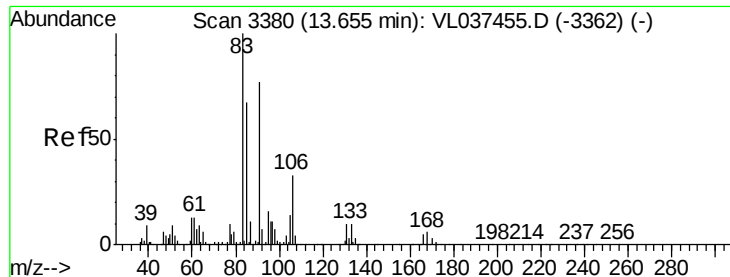
120 27.3 21.5 32.3



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: 7.377 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

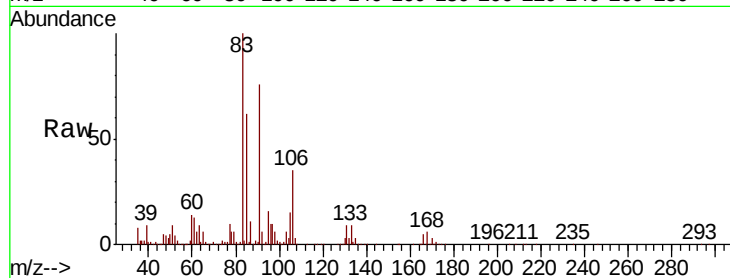
Tot Ion: 83 Resp: 3051699

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	66.5	33.8	101.3

83 100

131 10.0 5.0 15.0

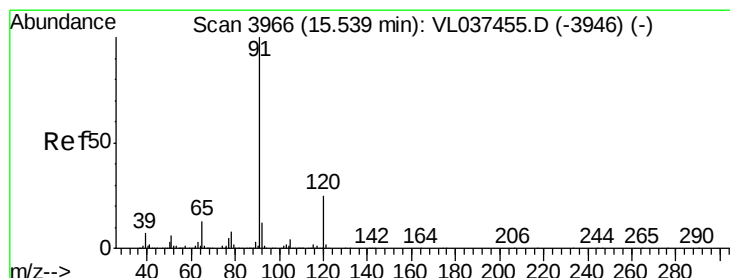
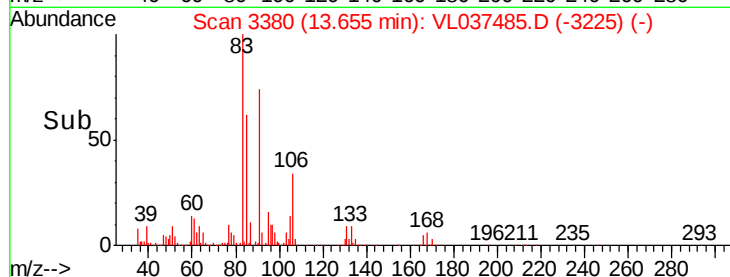
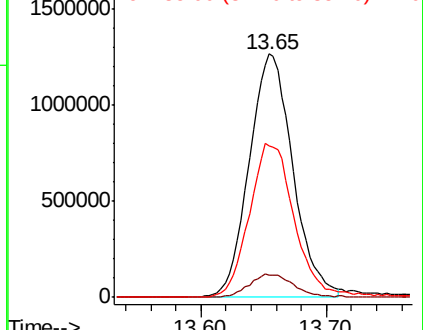
85 66.5 33.8 101.3



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: 7.819 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.00 min

Lab File: VL037485.D

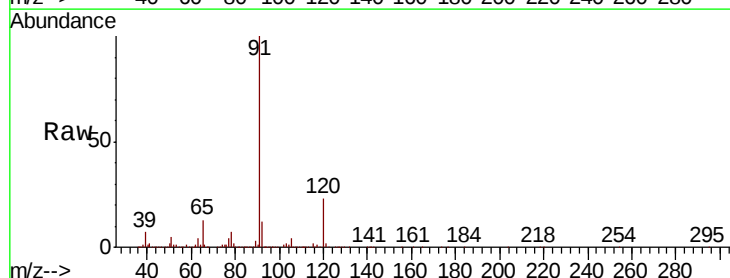
Acq: 18 Aug 2021 9:38

Tgt Ion:120 Resp: 1563175

Ion	Ratio	Lower	Upper
120	100		
91	471.4	373.8	560.6

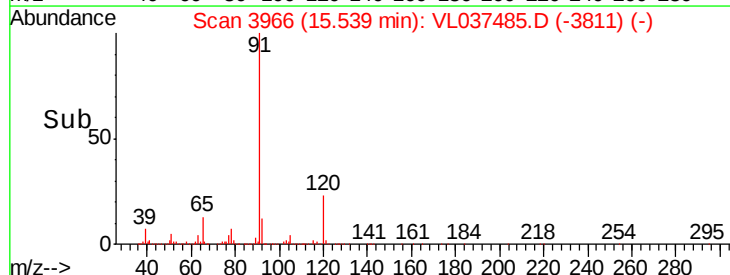
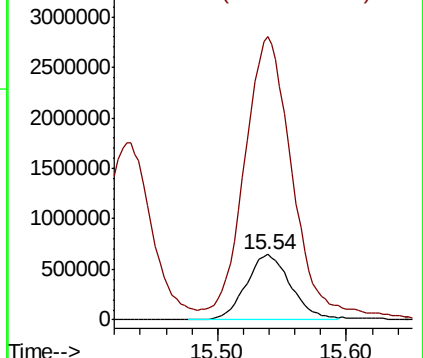
120 100

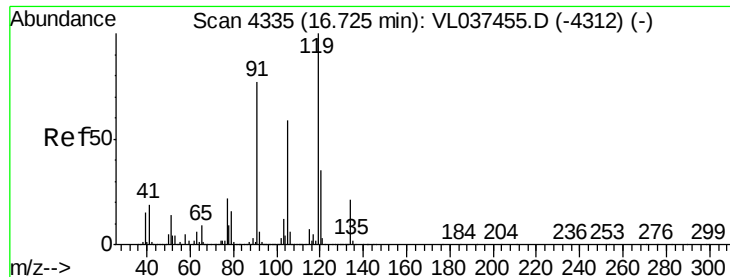
91 471.4 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.369 ppbv

RT: 16.72 min Scan# 4333

Delta R.T. -0.01 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

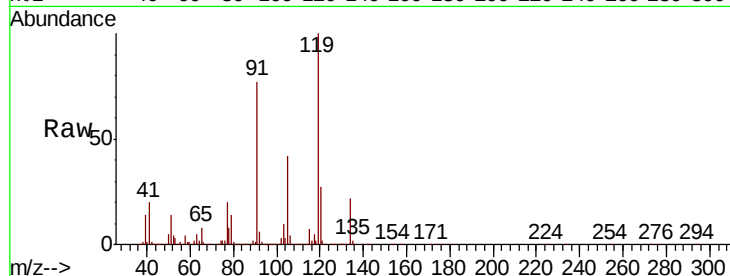
Tot Ion:119 Resp: 5271673

Ion Ratio Lower Upper

119 100

91 78.3 62.9 94.3

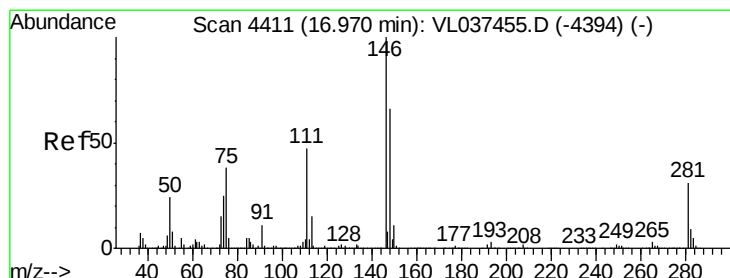
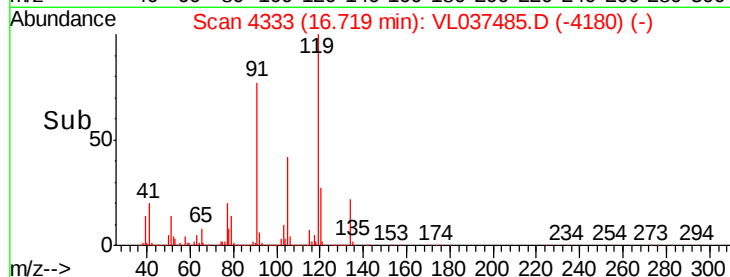
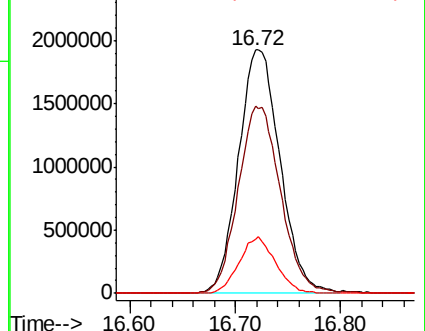
134 20.6 16.4 24.6



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.923 ppbv

RT: 16.96 min Scan# 4409

Delta R.T. -0.01 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

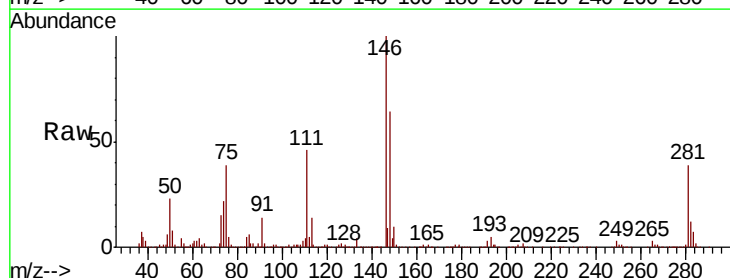
Tgt Ion: 91 Resp: 321150

Ion Ratio Lower Upper

91 100

126 19.1 15.9 23.9

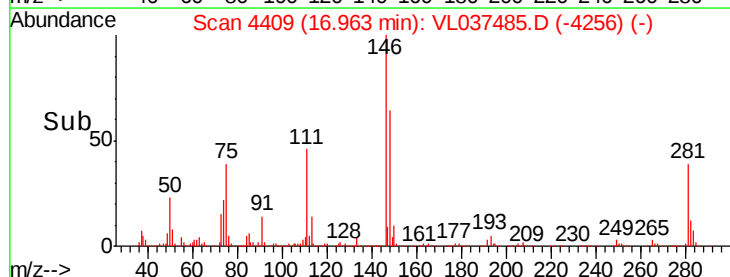
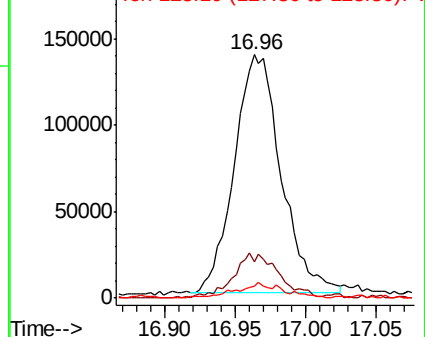
128 6.5 5.4 8.0

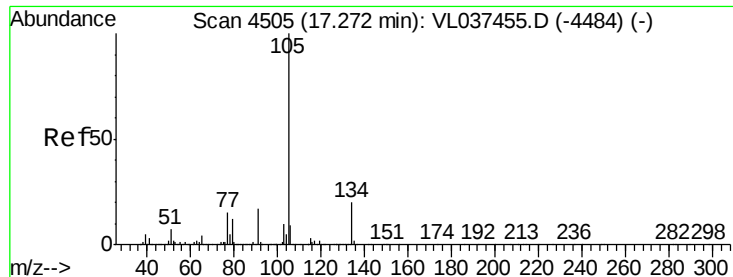


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.362 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

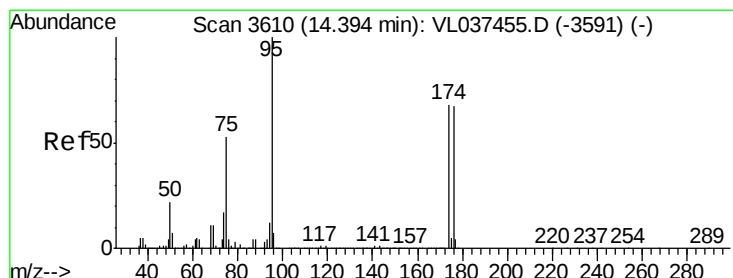
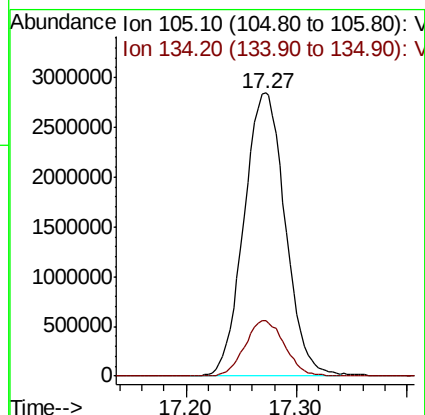
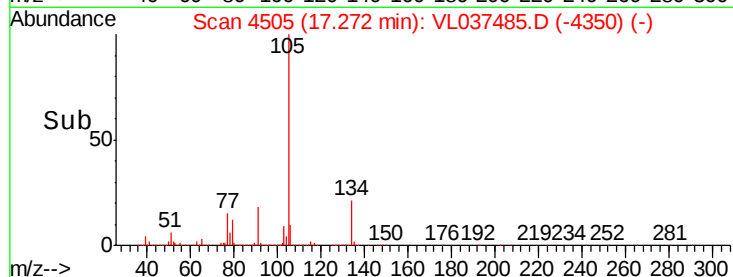
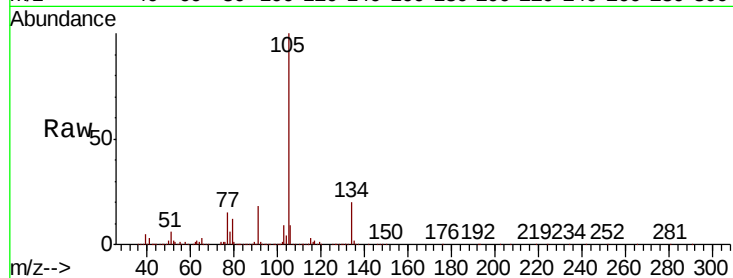
ClientSampleId :

Tot Ion:105 Resp: 7359483

Ion Ratio Lower Upper

105 100

134 19.1 15.2 22.8



#68

1-Bromo-4-Fluorobenzene

Concen: 8.127 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

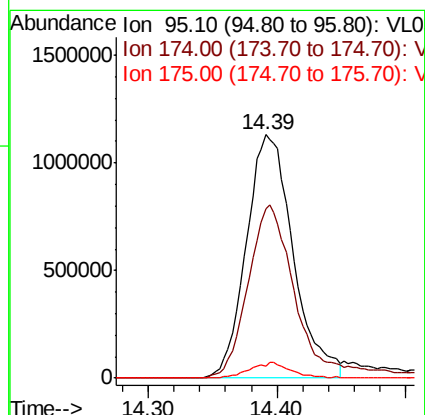
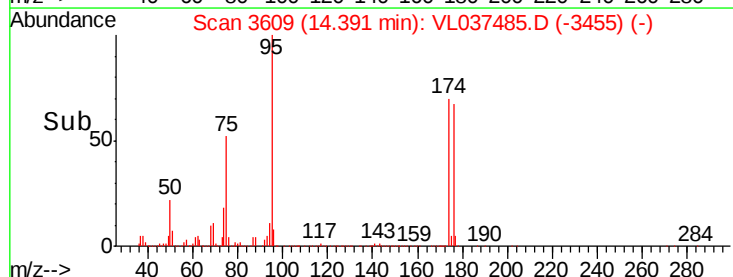
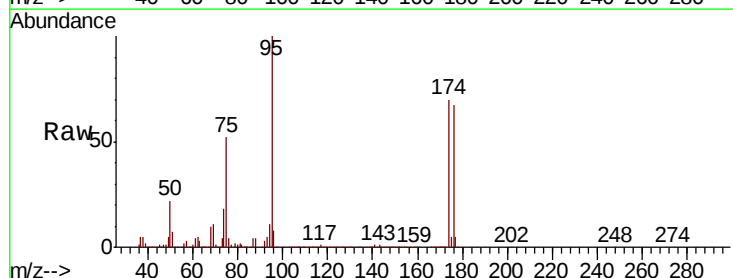
Tgt Ion: 95 Resp: 2862050

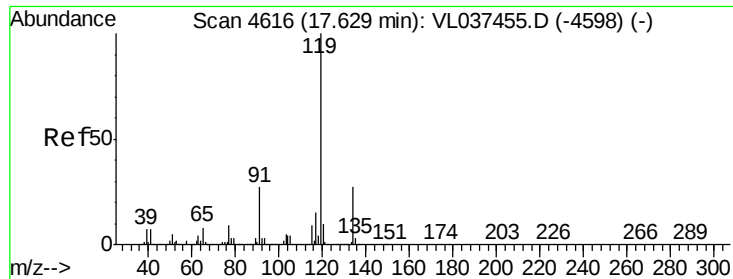
Ion Ratio Lower Upper

95 100

174 75.0 59.6 89.4

175 6.0 4.6 7.0



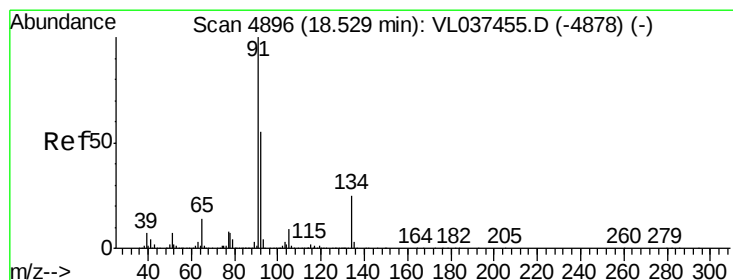
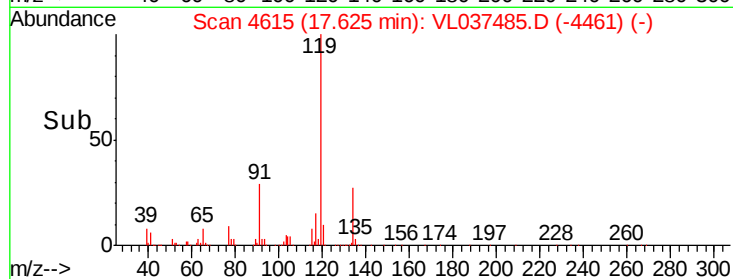
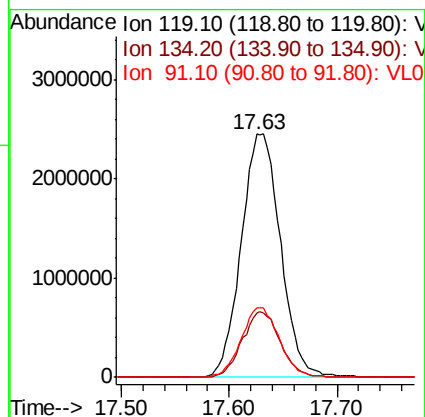
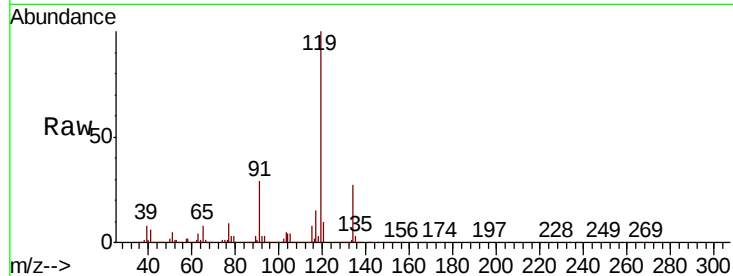


#69
 p-Isopropyltoluene
 Concen: 7.605 ppbv
 RT: 17.63 min Scan# 4615
 Delta R.T. -0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6194611

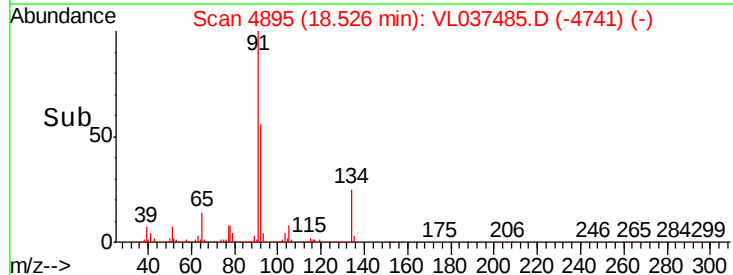
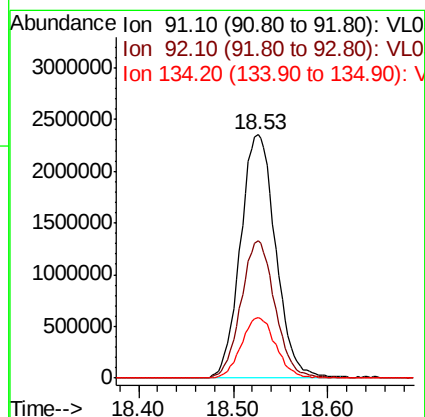
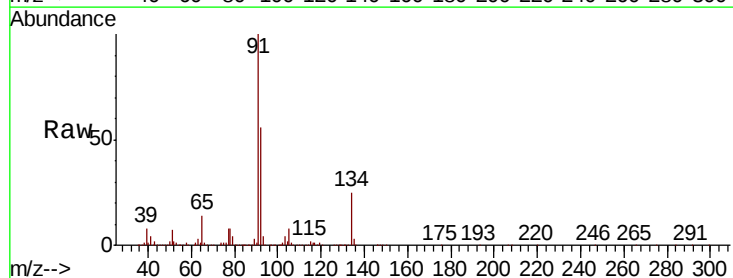
Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.1	31.7
91	27.9	22.4	33.6

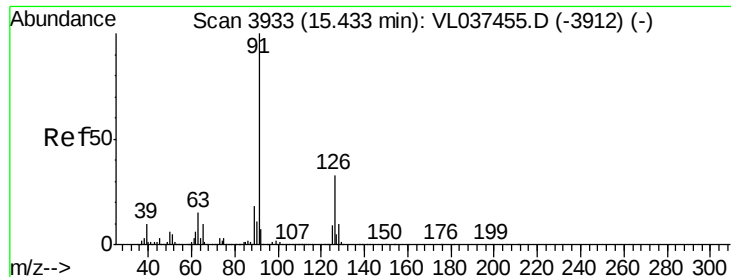


#70
 n-Butylbenzene
 Concen: 7.796 ppbv
 RT: 18.53 min Scan# 4895
 Delta R.T. -0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Tgt Ion: 91 Resp: 6069103

Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.0	66.0
134	24.5	19.5	29.3





#71

2-Chlorotoluene

Concen: 7.581 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

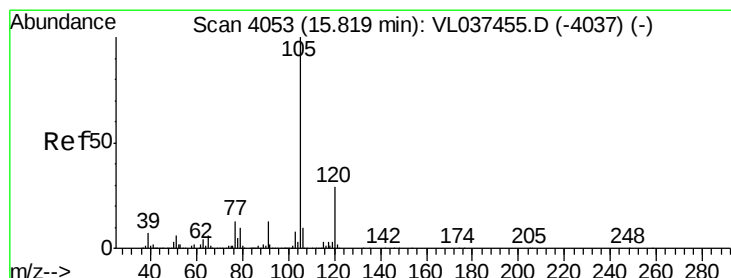
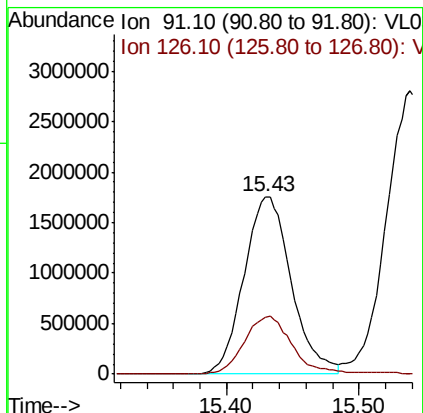
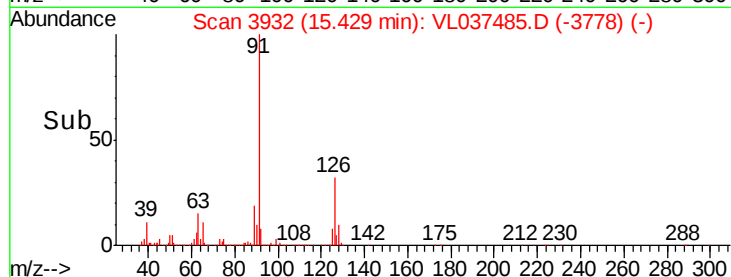
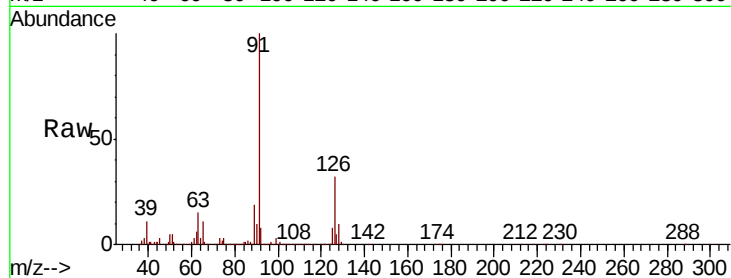
ClientSampleId :

Tot Ion: 91 Resp: 4367058

Ion Ratio Lower Upper

91 100

126 34.0 13.6 54.4



#72

4-Ethyltoluene

Concen: 7.500 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Tgt Ion:105 Resp: 4965374

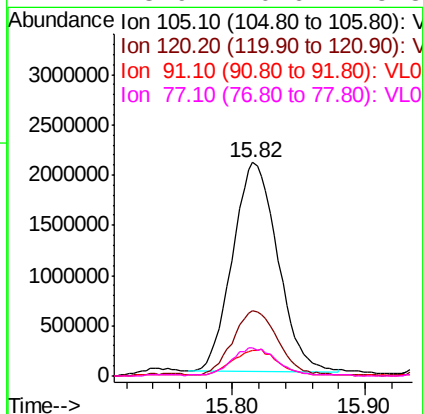
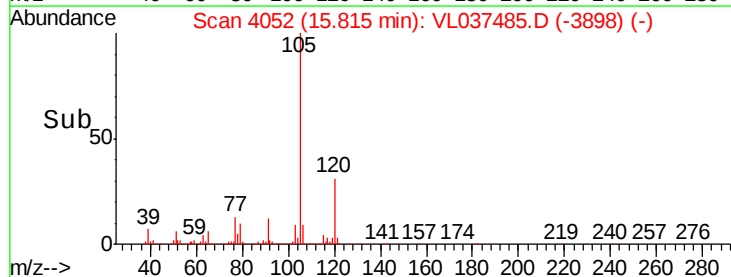
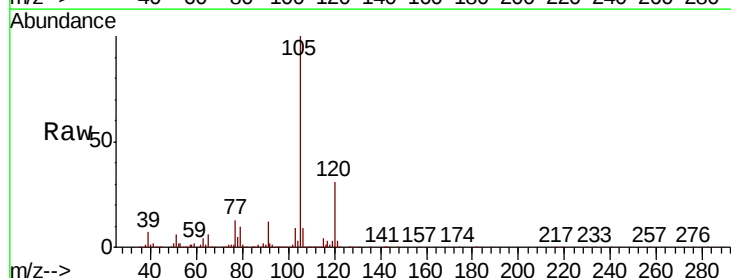
Ion Ratio Lower Upper

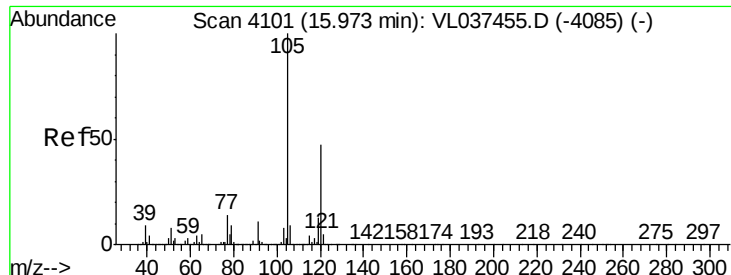
105 100

120 32.0 24.7 37.1

91 12.7 9.8 14.8

77 13.9 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 7.624 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

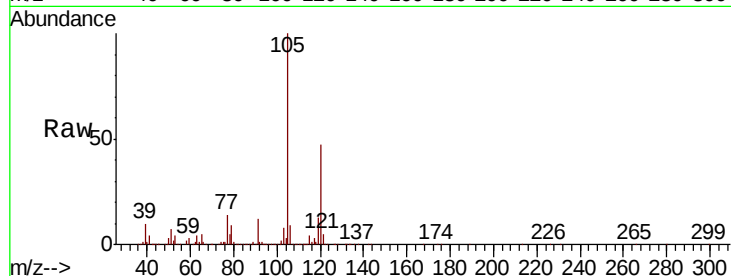
ClientSampleId :

Tot Ion:105 Resp: 4698256

Ion Ratio Lower Upper

105 100

120 47.2 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

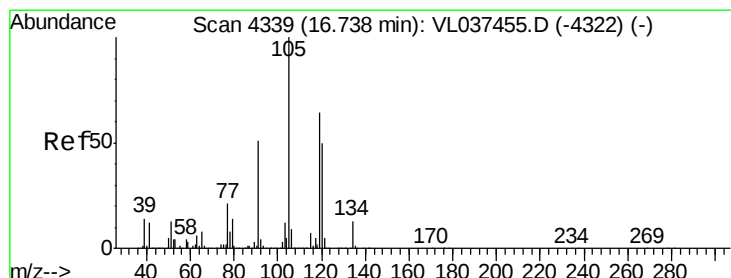
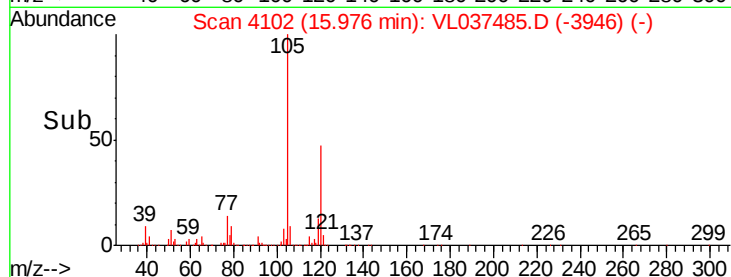
1000000

500000

0

15.90 15.98 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.446 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Tgt Ion:105 Resp: 4875903

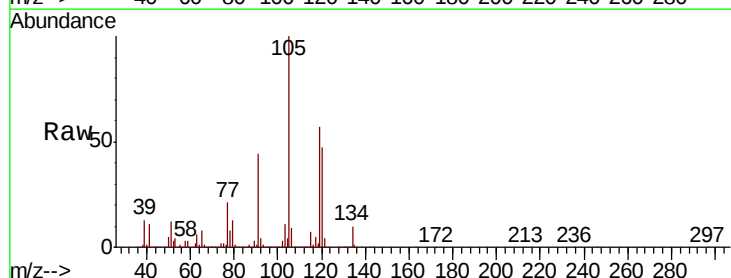
Ion Ratio Lower Upper

105 100

120 47.0 40.4 60.6

91 43.9 44.6 67.0#

77 20.4 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

2500000

2000000

1500000

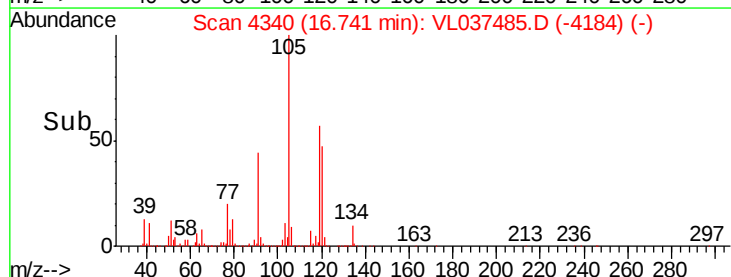
1000000

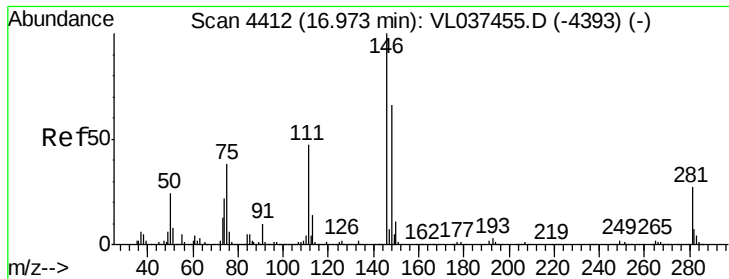
500000

0

16.60 16.70 16.80

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.484 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

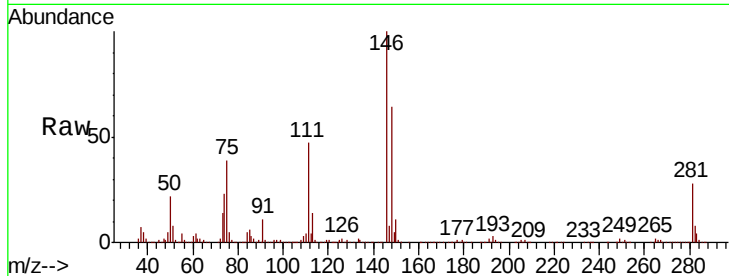
Tot Ion:146 Resp: 2949869

Ion Ratio Lower Upper

146 100

111 45.5 23.4 70.0

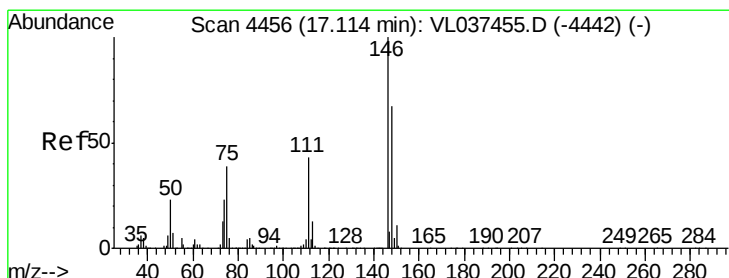
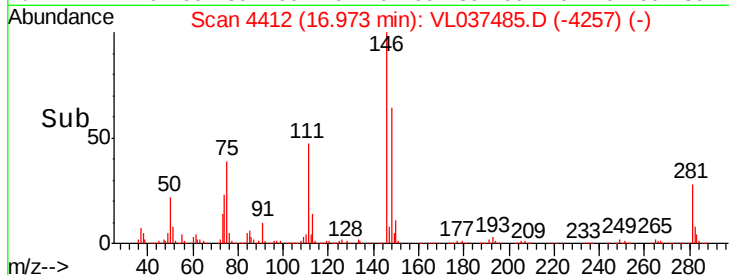
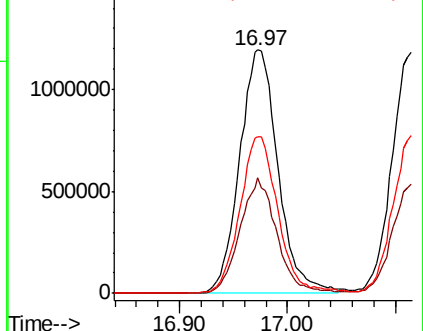
148 64.0 33.1 99.5



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: 7.166 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

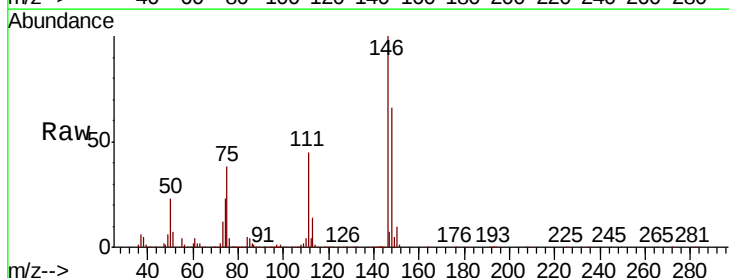
Tgt Ion:146 Resp: 2845463

Ion Ratio Lower Upper

146 100

111 46.0 22.1 66.5

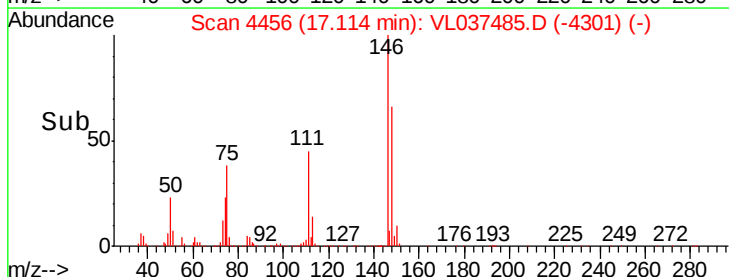
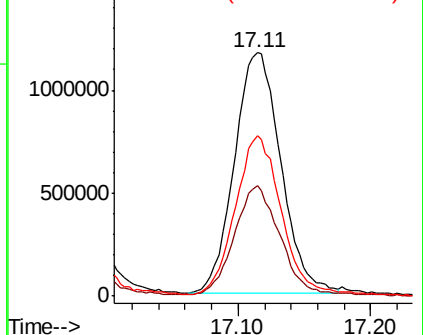
148 67.6 32.4 97.0

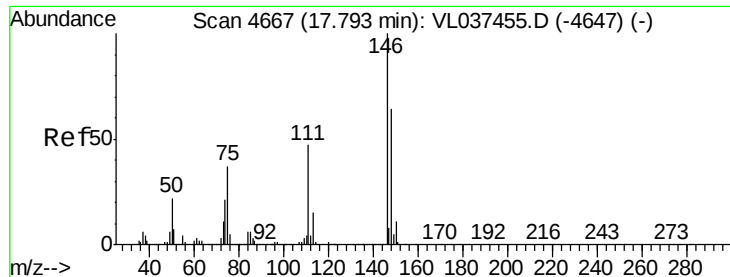


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.379 ppbv

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

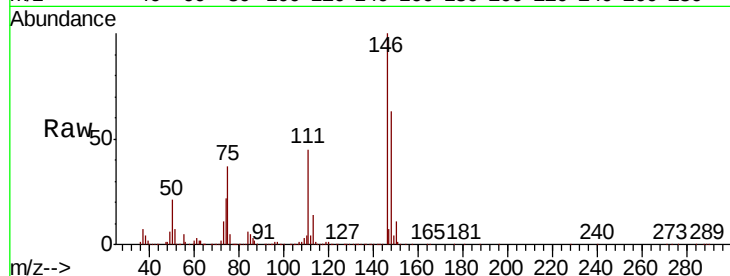
Tot Ion:146 Resp: 2863988

Ion Ratio Lower Upper

146 100

111 47.1 23.4 70.3

148 64.9 32.5 97.5

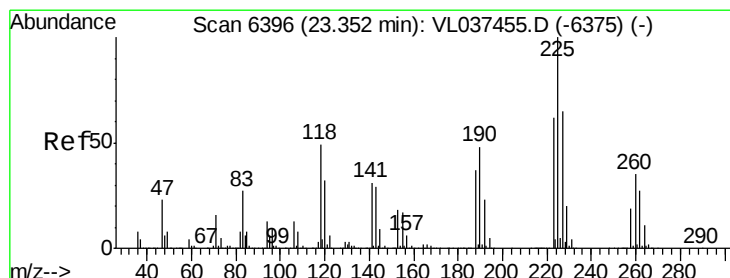
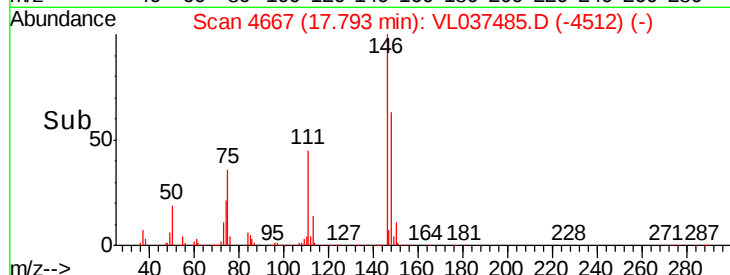
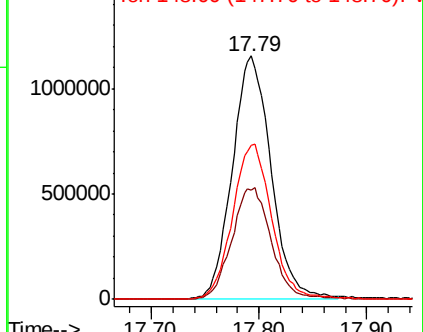


Abundance

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: 6.765 ppbv

RT: 23.35 min Scan# 6396

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

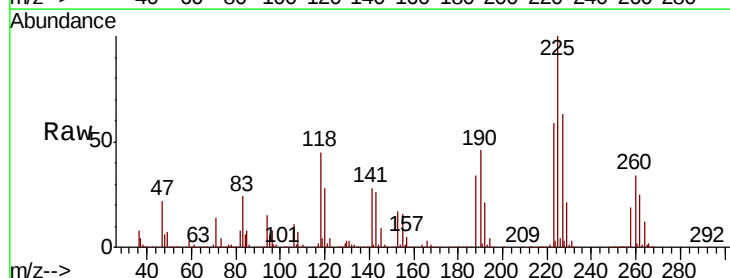
Tgt Ion:225 Resp: 2183240

Ion Ratio Lower Upper

225 100

223 63.1 51.4 77.0

227 64.2 52.9 79.3

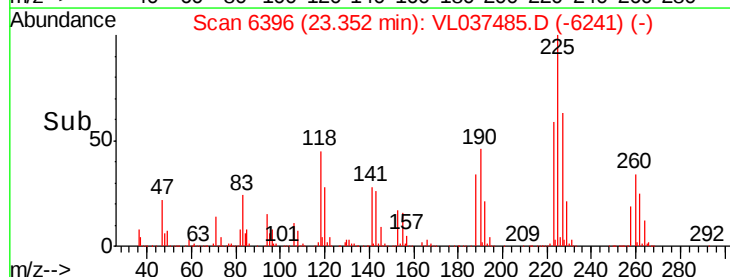
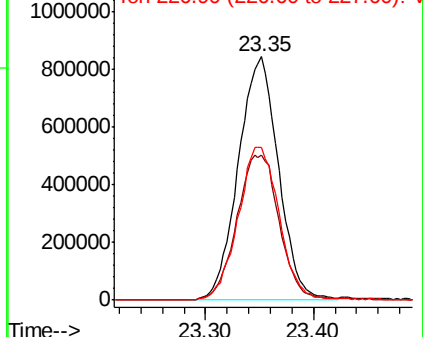


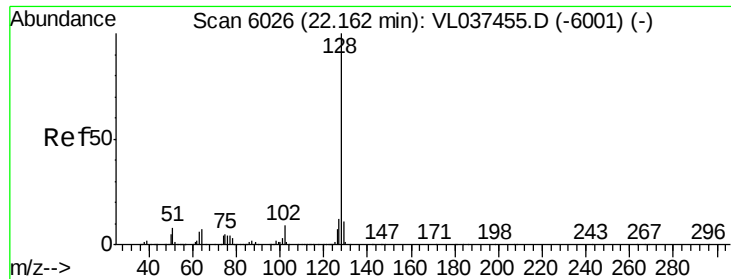
Abundance

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

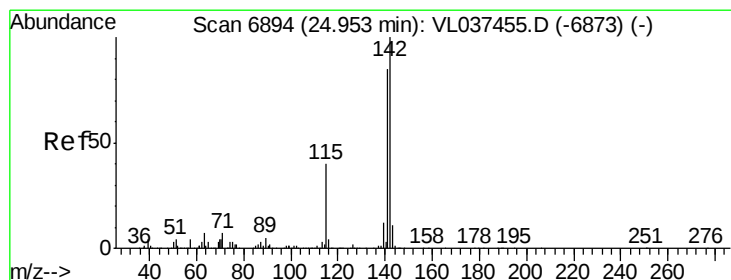
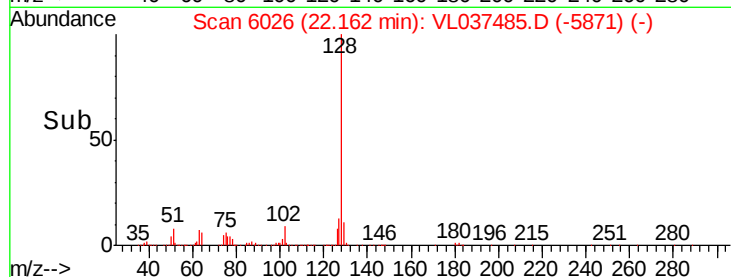
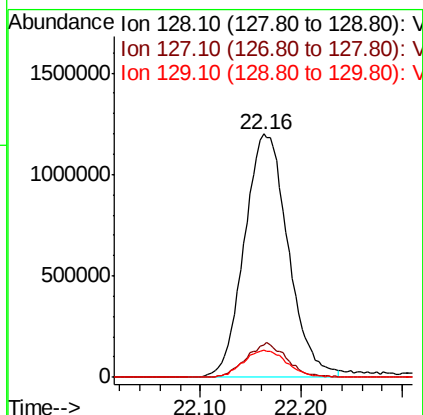
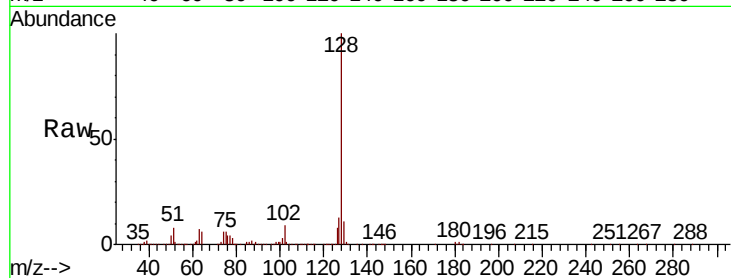




#79
Naphthalene
Concen: 8.232 ppbv
RT: 22.16 min Scan# 6026
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

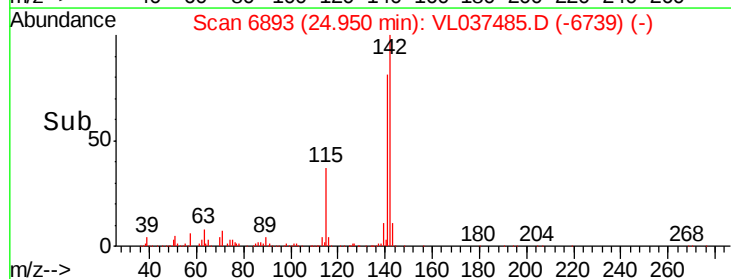
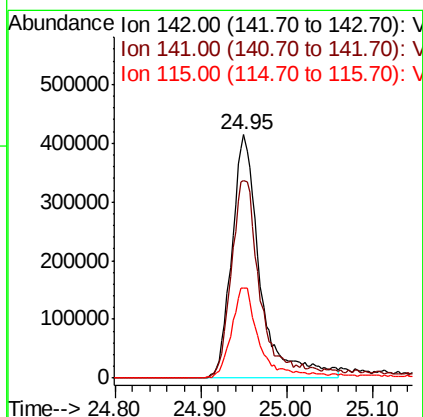
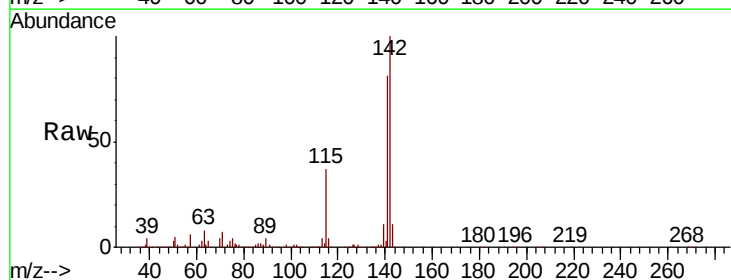
Instrument :
MSVOA_L
ClientSampleId :

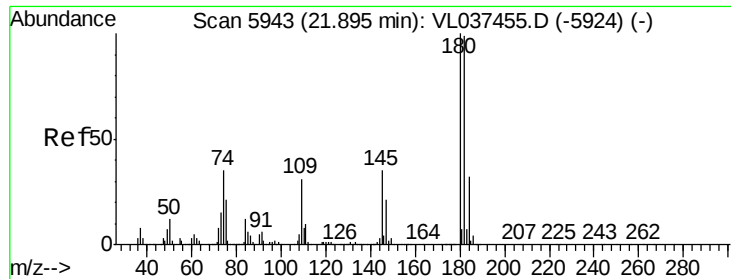
Tot Ion:128 Resp: 3607676
Ion Ratio Lower Upper
128 100
127 13.1 9.4 14.2
129 11.5 8.8 13.2



#80
Naphthalene, 2-methyl-
Concen: 7.761 ppbv
RT: 24.95 min Scan# 6893
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion:142 Resp: 947578
Ion Ratio Lower Upper
142 100
141 85.8 64.7 97.1
115 39.9 28.4 42.6

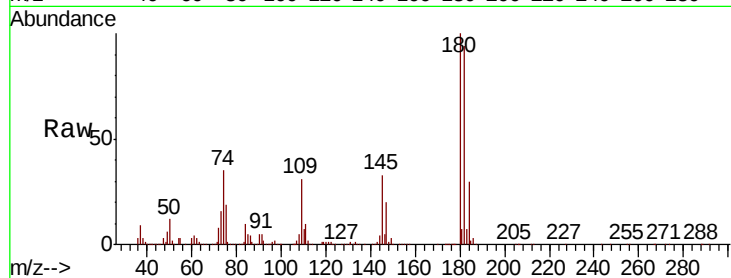




#81
 1,2,4-Trichlorobenzene
 Concen: 7.962 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. 0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2189597
 Ion Ratio Lower Upper
 180 100
 182 97.5 79.6 119.4
 184 31.5 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V
 1000000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

