

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042821\
 Data File : VL036874.D
 Acq On : 28 Apr 2021 9:43
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 29 03:07:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1533961	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	4031677	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	4566694	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3052413	8.33	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2249046	9.310	ppbv	97
3) Chlorodifluoromethane	3.00	51	2691739	9.634	ppbv	99
4) Chloromethane	3.15	50	901502	9.816	ppbv	100
5) Vinyl Chloride	3.27	62	914079	9.868	ppbv	100
6) Bromomethane	3.48	94	512361	10.286	ppbv	97
7) Chloroethane	3.57	64	312212	10.256	ppbv	97
8) Dichlorotetrafluoroethane	3.20	85	2179727	9.892	ppbv	99
9) Propene	3.02	41	868871	10.205	ppbv	98
10) Heptane	8.13	43	2200891	10.278	ppbv	97
11) Trichlorofluoromethane	3.96	101	2126567	9.861	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1448299	10.035	ppbv	99
13) Ethanol	3.61	45	30173	2.779	ppbv #	1
14) Bromoethene	3.75	108	638873	10.835	ppbv	95
15) Acetone	3.86	43	1193093	8.252	ppbv	99
16) 1,3-Butadiene	3.33	39	878996	9.508	ppbv	95
17) tert-Butyl alcohol	4.30	59	1254538	10.690	ppbv	99
18) 1,1-Dichloroethene	4.30	96	610720	9.737	ppbv	94
19) Isopropyl Alcohol	3.98	45	679254	9.482	ppbv	99
20) Methylene Chloride	4.35	84	531485	7.687	ppbv	94
21) Allyl Chloride	4.42	41	1056322	9.832	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	616505	9.794	ppbv	99
23) Vinyl Acetate	5.08	43	2259994	11.491	ppbv #	99
24) 1,1-Dichloroethane	5.02	63	1497652	10.727	ppbv	100
25) Ethyl Acetate	5.69	43	3430422	9.713	ppbv	99
26) Hexane	5.70	57	1593457	9.644	ppbv	96
27) Carbon Disulfide	4.56	76	1573903	10.967	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1754417	11.979	ppbv	100
29) Chloroform	5.76	83	2583329	10.028	ppbv	99
30) Cyclohexane	7.14	84	1336255	10.198	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1598594	10.778	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	2631645	10.046	ppbv	99
34) 2-Butanone	5.25	43	1675164	9.485	ppbv	100
35) Carbon Tetrachloride	7.03	117	2756524	10.076	ppbv	98
36) Benzene	6.90	78	3392784	9.988	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1929658	10.032	ppbv	100
38) Trichloroethene	7.85	130	1251908	10.351	ppbv	99
39) 1,2-Dichloropropane	7.62	63	1326164	9.745	ppbv	95
40) 1,4-Dioxane	7.85	88	314737	9.577	ppbv	98
41) Tetrahydrofuran	6.06	42	784077	10.149	ppbv	98
42) Bromodichloromethane	7.81	83	2766383	10.351	ppbv	98
43) Methyl Methacrylate	8.03	69	1214456	10.957	ppbv	97

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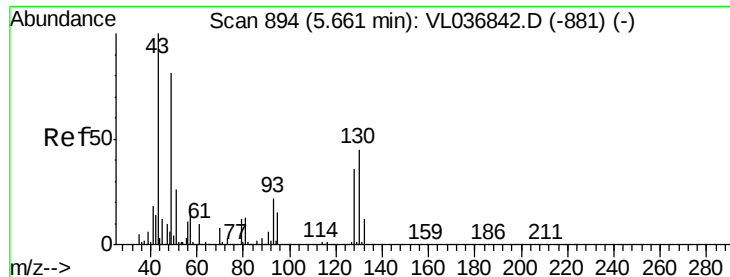
Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 29 03:07:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 27 16:56:35 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.88	57	5688735	9.772	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1326936	11.105	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1728769	11.284	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1389633	9.863	ppbv	97
48) Dibromochloromethane	10.32	129	2249674	10.776	ppbv	99
49) Bromoform	13.05	173	1812478	10.874	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2489687	10.314	ppbv	99
51) 2-Hexanone	10.15	43	1278029	10.615	ppbv #	97
52) Tetrachloroethene	11.24	164	1156383	9.997	ppbv	99
53) Toluene	9.82	91	3755171	10.565	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1963520	9.871	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1530405	7.994	ppbv	99
57) Chlorobenzene	12.16	112	2784119	7.827	ppbv	99
58) Ethyl Benzene	12.72	91	5005400	8.642	ppbv	100
59) m/p-Xylene	13.01	91	4613990	8.913	ppbv #	41
60) o-Xylene	13.71	91	4000847	7.993	ppbv	100
61) Styrene	13.55	104	2273810	9.673	ppbv	100
62) Isopropylbenzene	14.68	105	5432279	7.976	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2934775	7.314	ppbv	100
64) n-propylbenzene	15.58	120	1440208	8.485	ppbv	99
65) tert-Butylbenzene	16.76	119	4817404	8.000	ppbv	100
66) Benzyl Chloride	17.00	91	474073	8.052	ppbv	98
67) sec-Butylbenzene	17.31	105	6720869	8.038	ppbv	100
69) p-Isopropyltoluene	17.67	119	5528126	8.247	ppbv	99
70) n-Butylbenzene	18.57	91	5676598	8.402	ppbv	100
71) 2-Chlorotoluene	15.47	91	4163258	8.254	ppbv	99
72) 4-Ethyltoluene	15.85	105	4664117	8.681	ppbv	97
73) 1,3,5-Trimethylbenzene	16.01	105	4292479	8.238	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	4448290	8.037	ppbv	99
75) 1,3-Dichlorobenzene	17.01	146	2580655	7.888	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2464777	7.698	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2458119	7.692	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	1767076	6.508	ppbv	100
79) Naphthalene	22.22	128	2752216	8.879	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	388855	11.376	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	1611784	8.039	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.02 min

Lab File: VL036874.D

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Instrument :

MSVOA_L

ClientSampled :

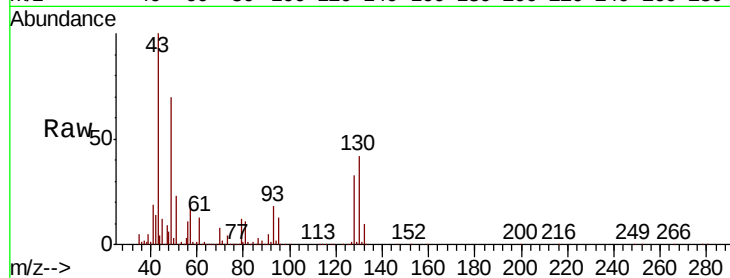
Tot Ion: 49 Resp: 1533961

Ion Ratio Lower Upper

49 100

128 50.1 24.4 73.2

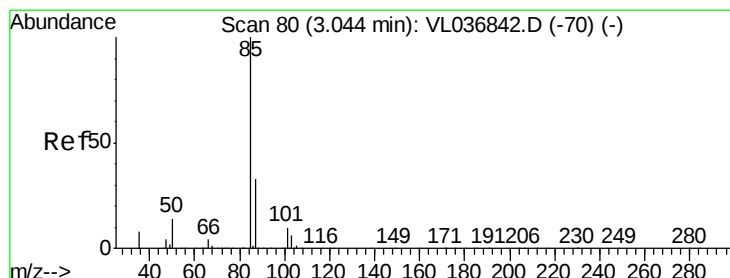
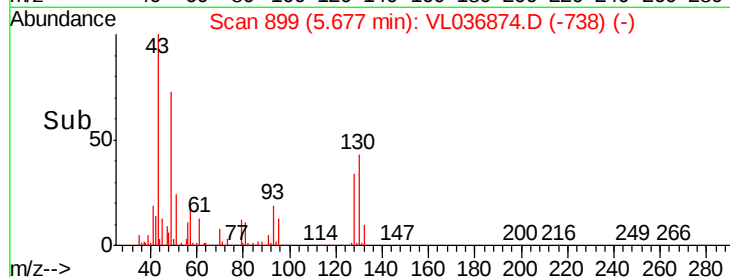
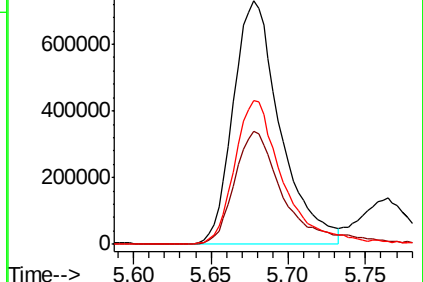
130 61.9 30.3 90.8



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: 9.310 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL036874.D

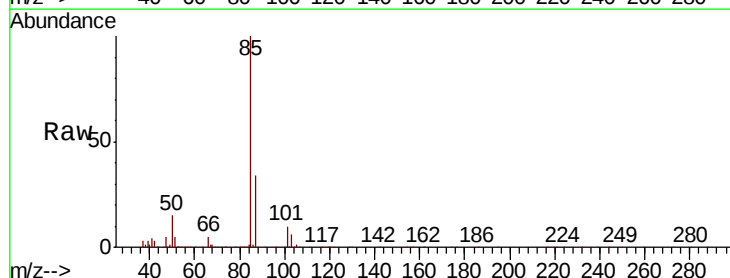
Acq: 28 Apr 2021 9:43

Tgt Ion: 85 Resp: 2249046

Ion Ratio Lower Upper

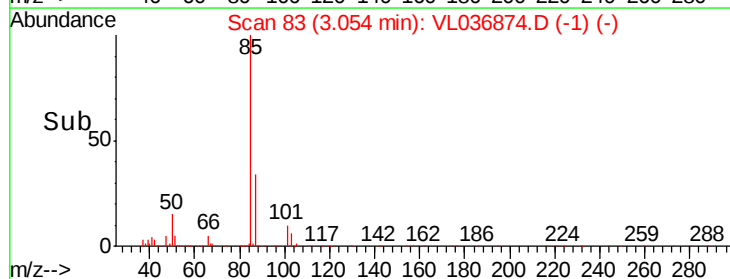
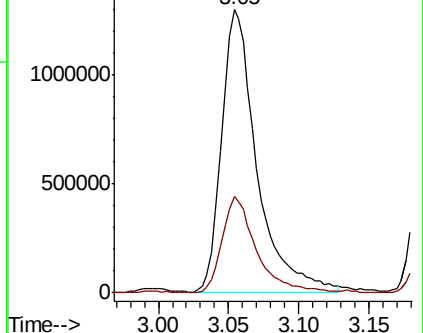
85 100

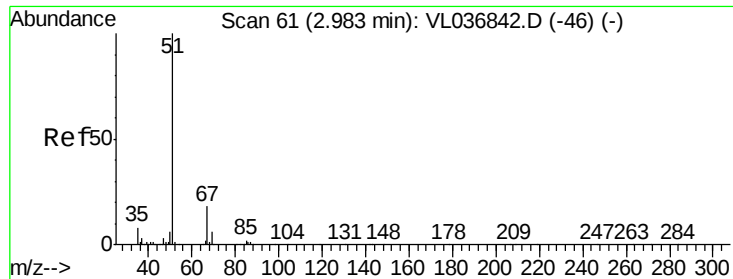
87 34.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.634 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

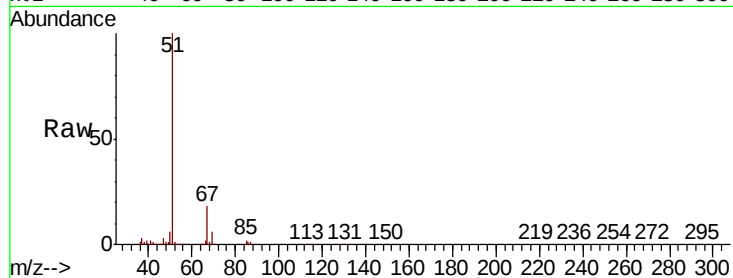
ClientSampleId :

Tot Ion: 51 Resp: 2691739

Ion Ratio Lower Upper

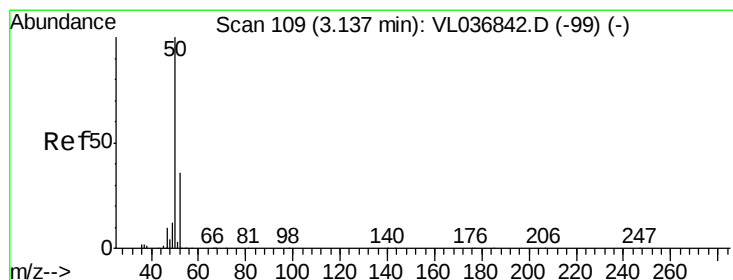
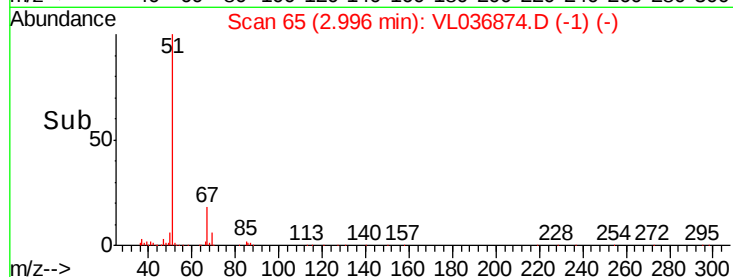
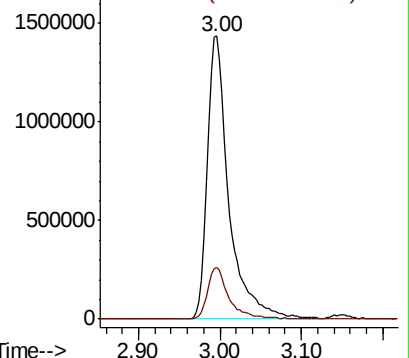
51 100

67 18.3 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.816 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL036874.D

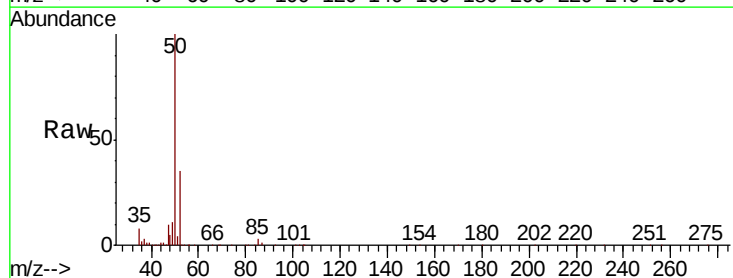
Acq: 28 Apr 2021 9:43

Tgt Ion: 50 Resp: 901502

Ion Ratio Lower Upper

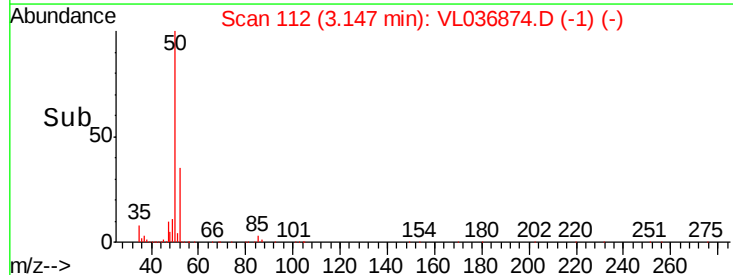
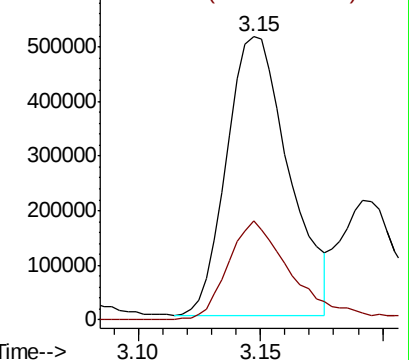
50 100

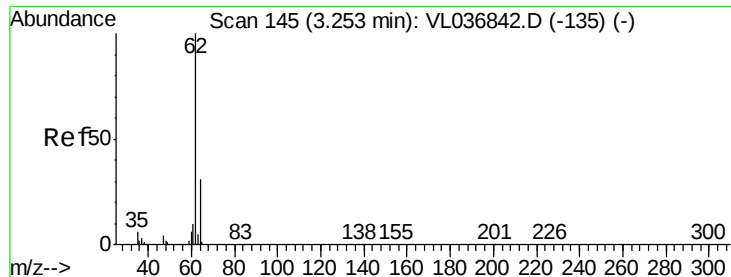
52 35.5 28.5 42.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.868 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

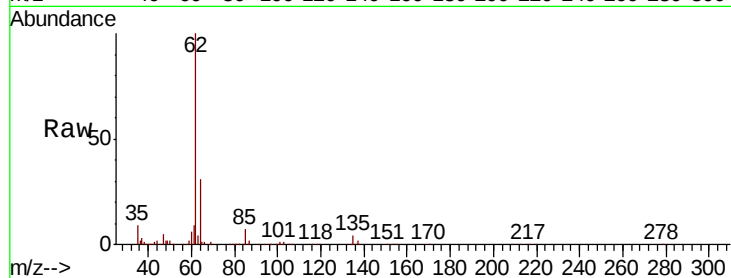
ClientSampled :

Tot Ion: 62 Resp: 914079

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.27

500000

400000

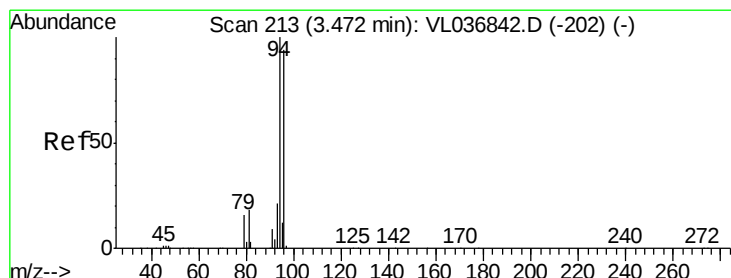
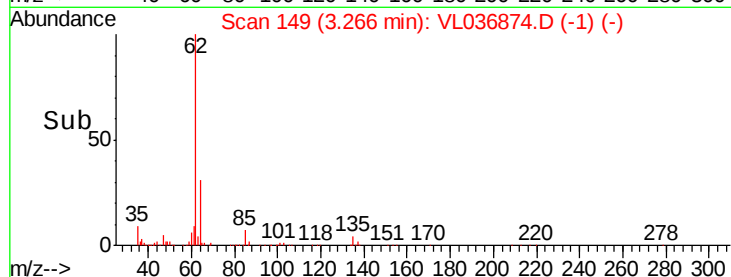
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.286 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036874.D

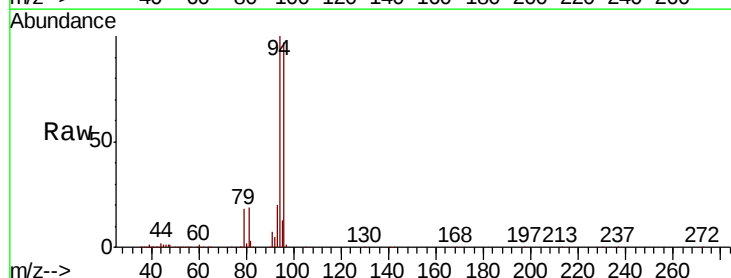
Acq: 28 Apr 2021 9:43

Tgt Ion: 94 Resp: 512361

Ion Ratio Lower Upper

94 100

96 96.7 75.4 113.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.48

300000

250000

200000

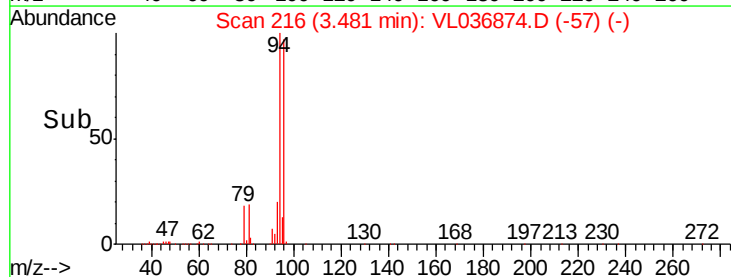
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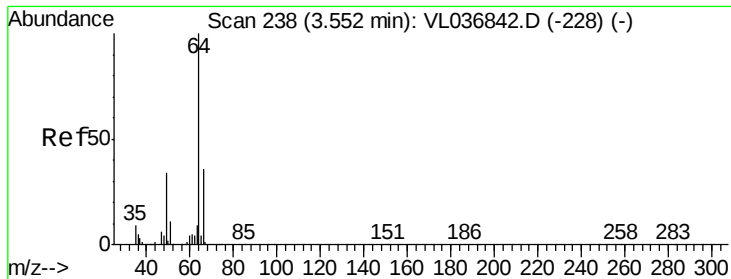
100000

50000

0

Time-->





#7

Chloroethane

Concen: 10.256 ppbv

RT: 3.57 min Scan# 242

Delta R.T. 0.01 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

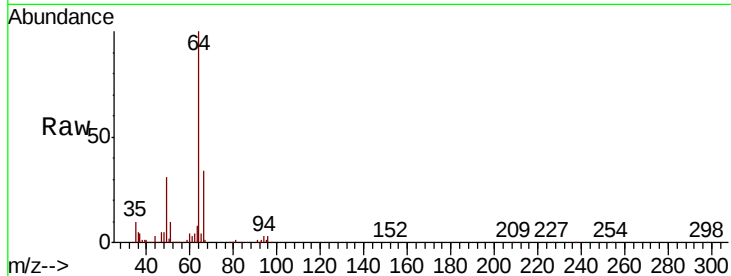
ClientSampleId :

Tot Ion: 64 Resp: 312212

Ion Ratio Lower Upper

64 100

66 34.4 29.0 43.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.57

200000

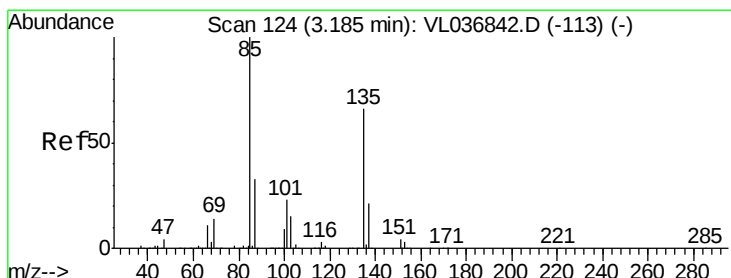
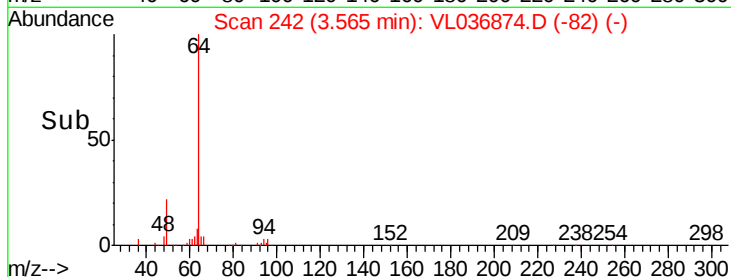
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.892 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036874.D

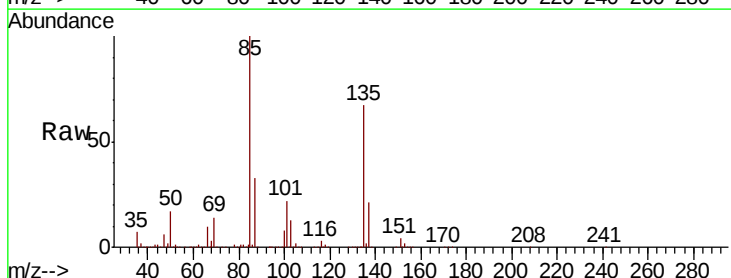
Acq: 28 Apr 2021 9:43

Tgt Ion: 85 Resp: 2179727

Ion Ratio Lower Upper

85 100

135 69.6 56.2 84.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

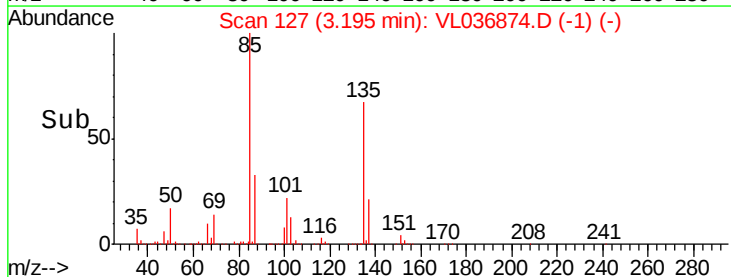
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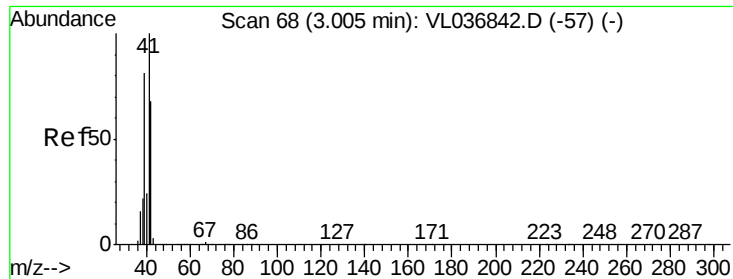
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500000

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Time-->

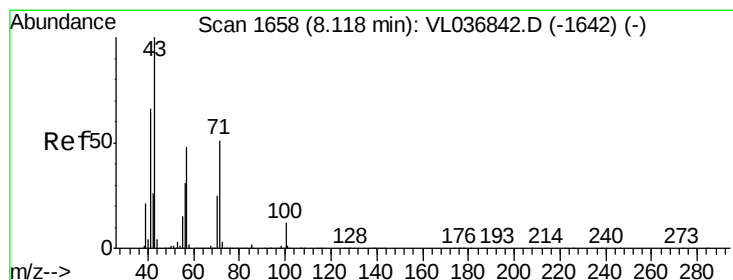
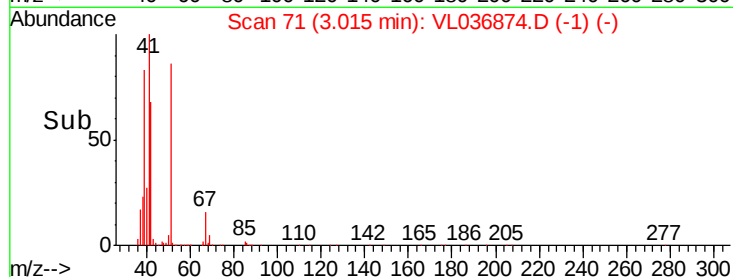
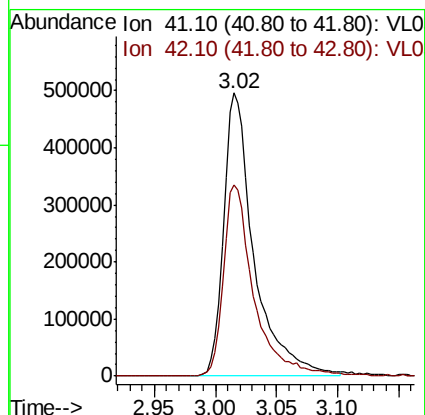
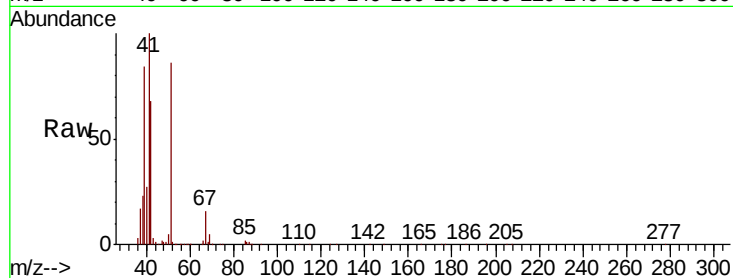




#9
 Propene
 Concen: 10.205 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

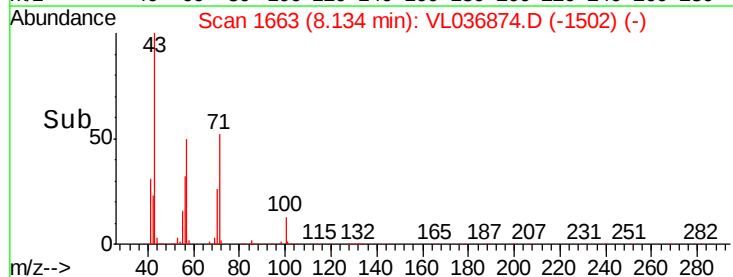
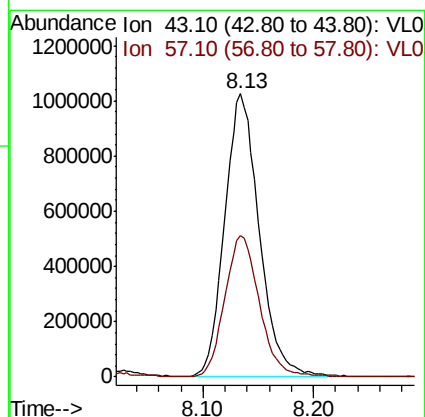
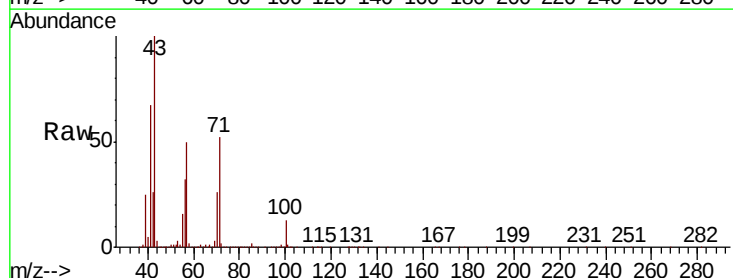
Instrument :
 MSVOA_L
 ClientSampled :

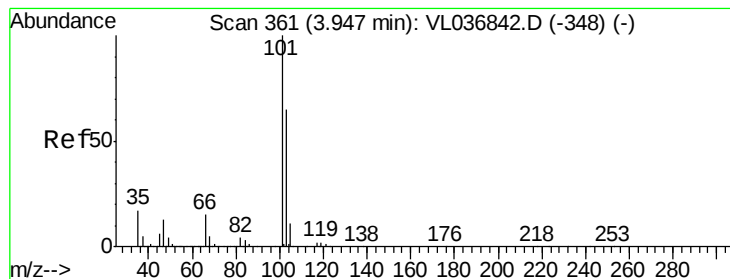
Tot Ion: 41 Resp: 868871
 Ion Ratio Lower Upper
 41 100
 42 68.6 56.0 84.0



#10
 Heptane
 Concen: 10.278 ppbv
 RT: 8.13 min Scan# 1663
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion: 43 Resp: 2200891
 Ion Ratio Lower Upper
 43 100
 57 50.8 38.8 58.2





#11

Trichlorofluoromethane

Concen: 9.861 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

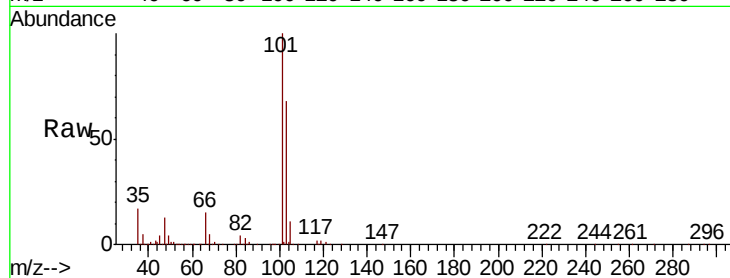
ClientSampleId :

Tot Ion:101 Resp: 2126567

Ion Ratio Lower Upper

101 100

103 68.3 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1200000

1000000

800000

600000

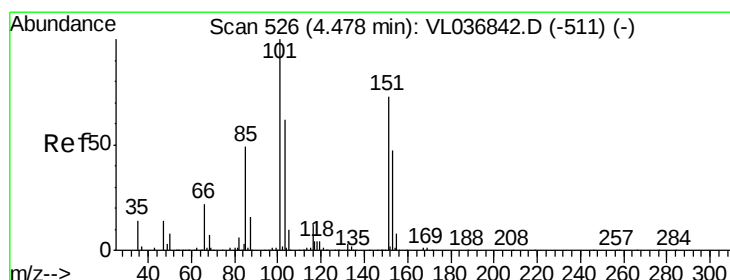
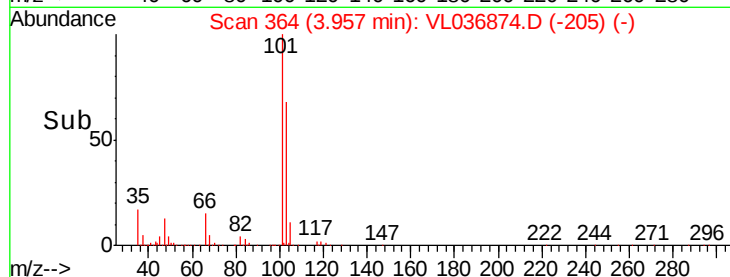
400000

200000

0

3.85 3.90 3.95 4.00 4.05

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.035 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.02 min

Lab File: VL036874.D

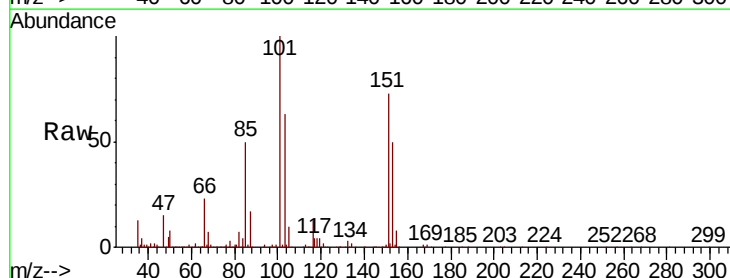
Acq: 28 Apr 2021 9:43

Tgt Ion:101 Resp: 1448299

Ion Ratio Lower Upper

101 100

151 75.1 61.1 91.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

800000

600000

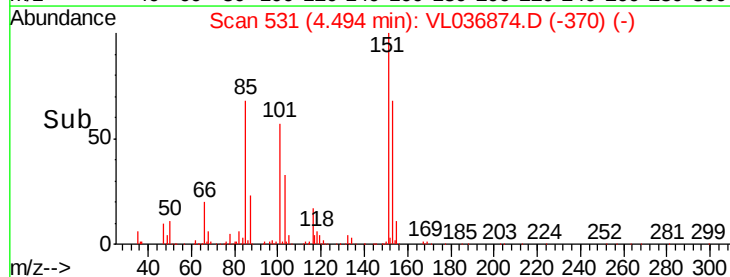
400000

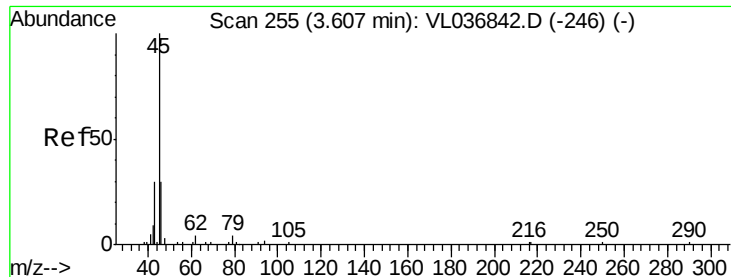
200000

0

4.40 4.50 4.60

Time-->





#13

Ethanol

Concen: 2.779 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

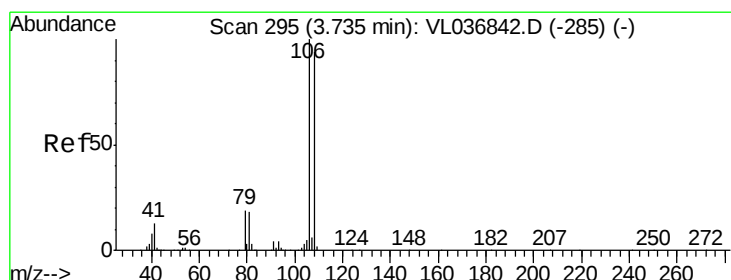
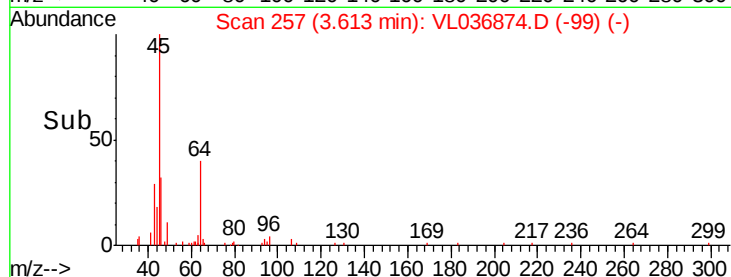
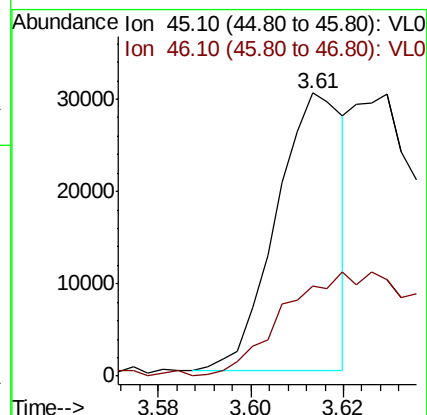
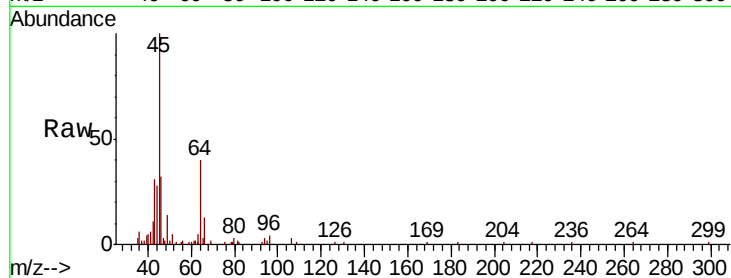
ClientSampleId :

Tot Ion: 45 Resp: 30173

Ion Ratio Lower Upper

45 100

46 110.7 16.8 67.4#



#14

Bromoethene

Concen: 10.835 ppbv

RT: 3.75 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

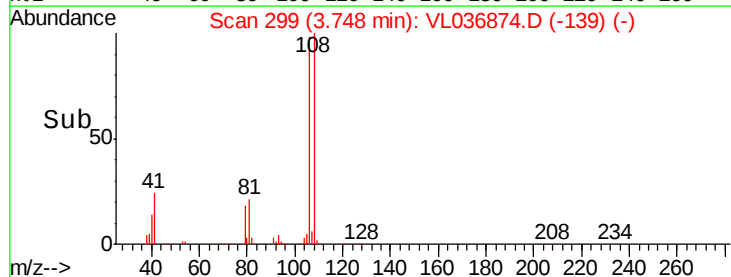
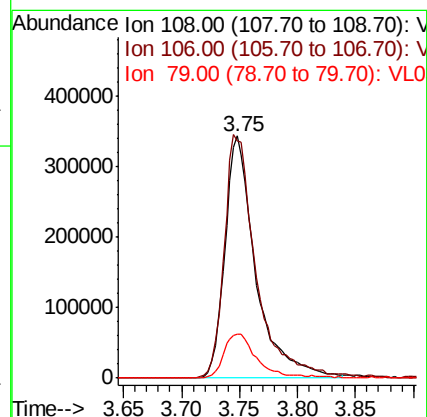
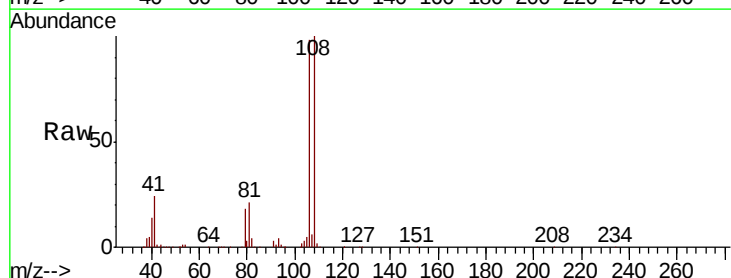
Tgt Ion: 108 Resp: 638873

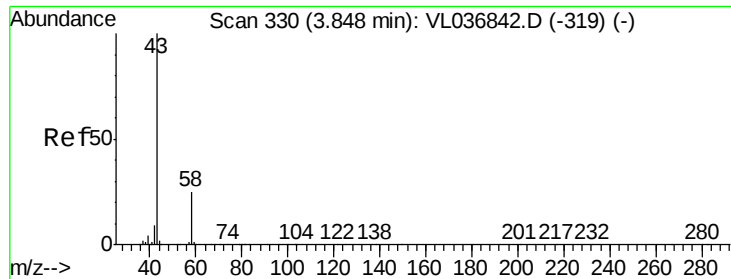
Ion Ratio Lower Upper

108 100

106 105.2 88.5 132.7

79 20.1 17.9 26.9

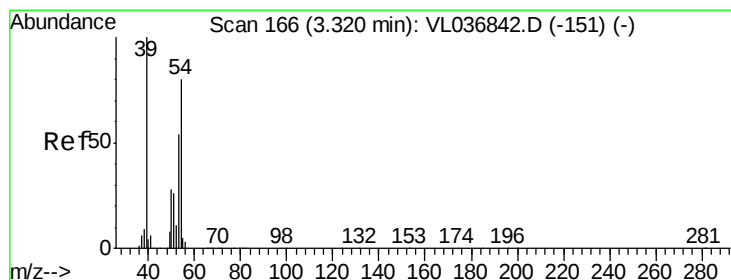
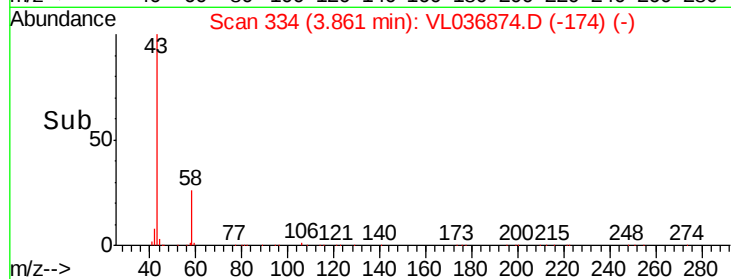
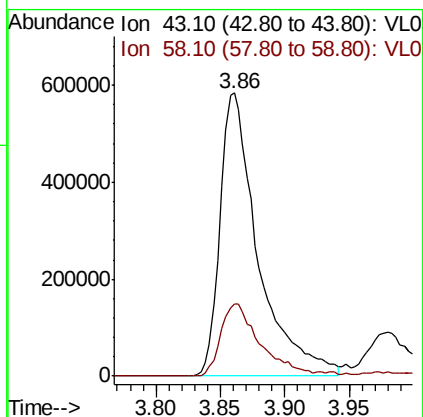
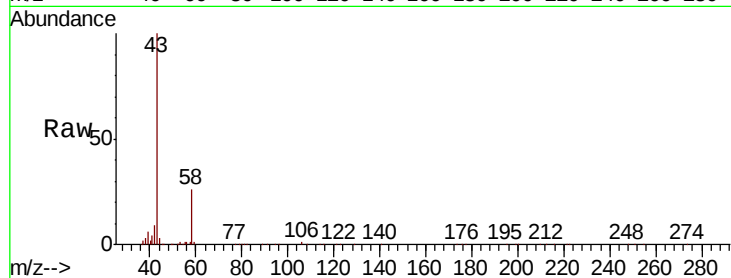




#15
Acetone
Concen: 8.252 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

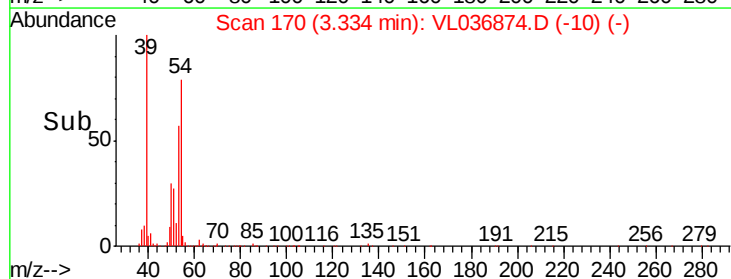
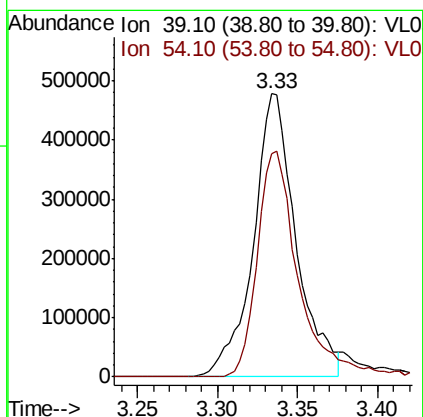
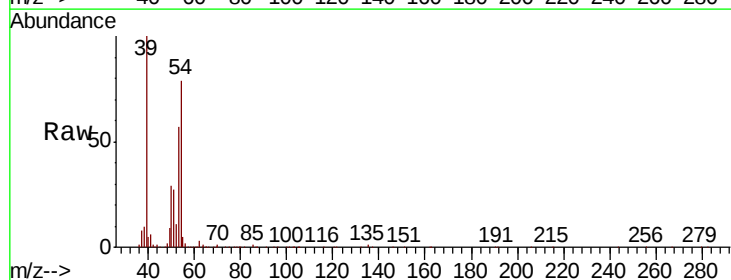
Instrument :
MSVOA_L
ClientSampleId :

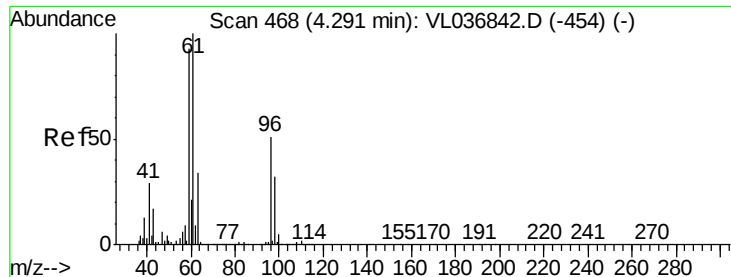
Tot Ion: 43 Resp: 1193093
Ion Ratio Lower Upper
43 100
58 27.5 21.7 32.5



#16
1,3-Butadiene
Concen: 9.508 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion: 39 Resp: 878996
Ion Ratio Lower Upper
39 100
54 78.6 59.6 89.4



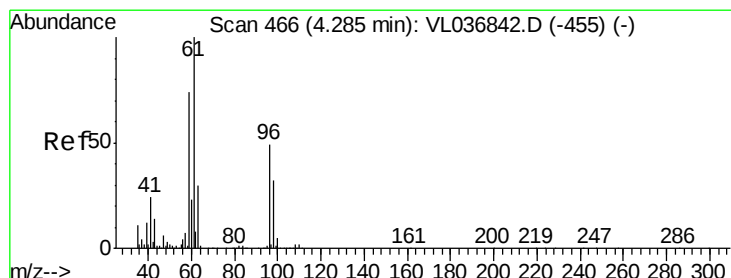
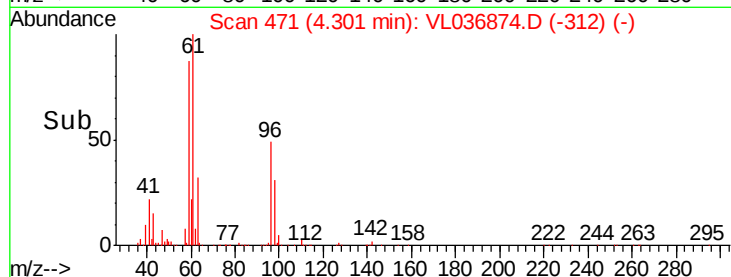
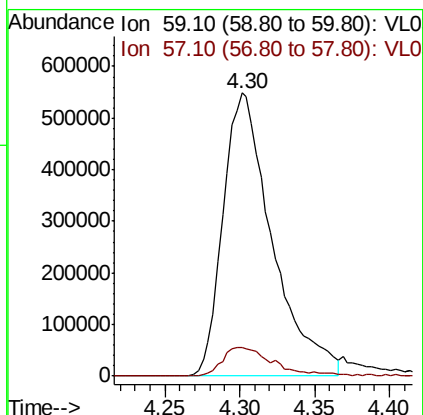
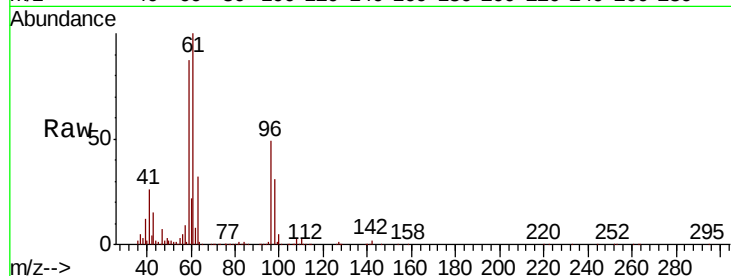


#17

tert-Butyl alcohol
 Concen: 10.690 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.01 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampleId :

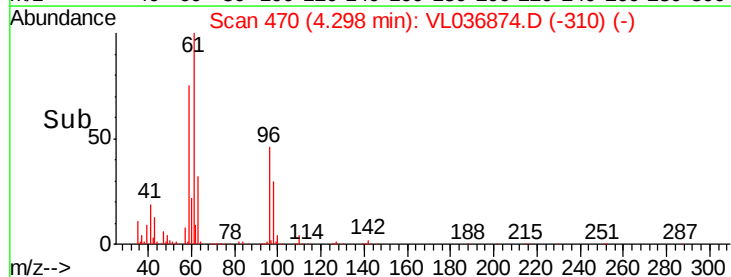
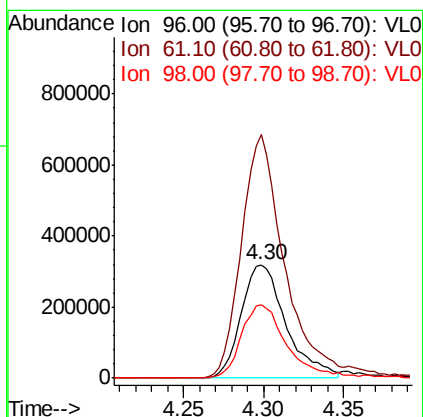
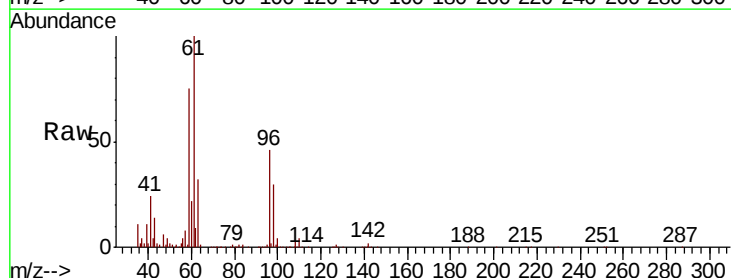
Tot Ion: 59 Resp: 1254538
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.3 12.5

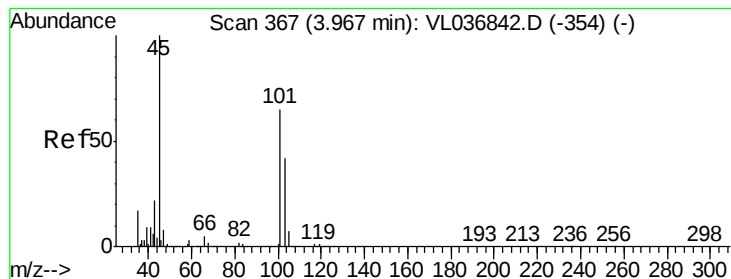


#18

1,1-Dichloroethene
 Concen: 9.737 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion: 96 Resp: 610720
 Ion Ratio Lower Upper
 96 100
 61 215.2 162.2 243.2
 98 64.5 51.8 77.6





#19

Isopropyl Alcohol

Concen: 9.482 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

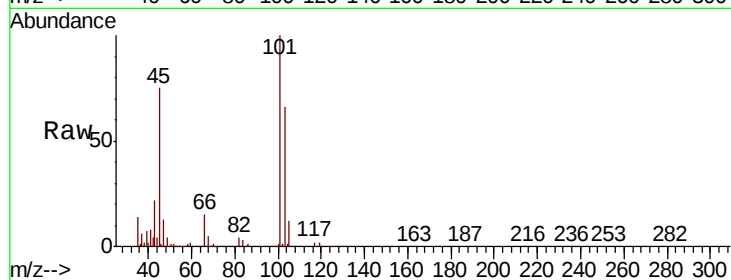
ClientSampleId :

Tot Ion: 45 Resp: 679254

Ion Ratio Lower Upper

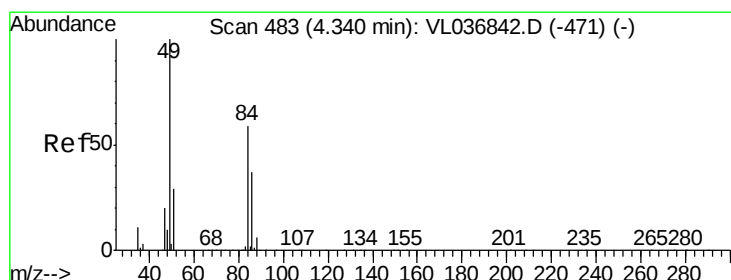
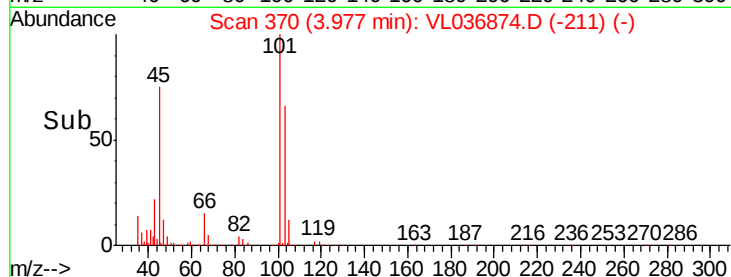
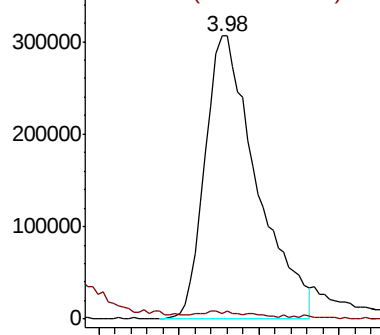
45 100

58 3.0 2.8 4.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.687 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Tgt Ion: 84 Resp: 531485

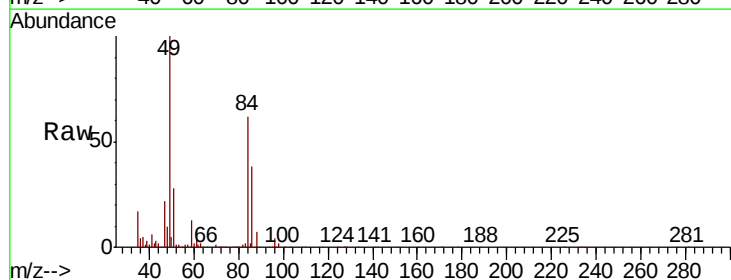
Ion Ratio Lower Upper

84 100

49 159.6 135.4 203.0

51 44.3 39.3 58.9

86 61.1 50.2 75.2

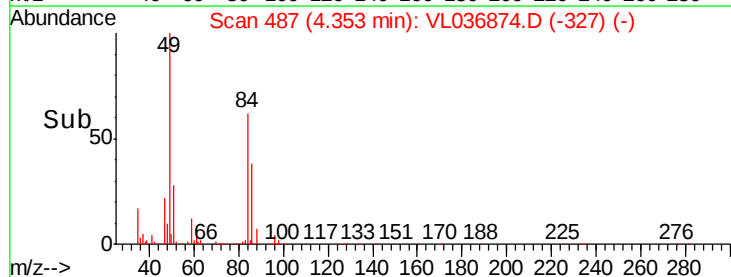
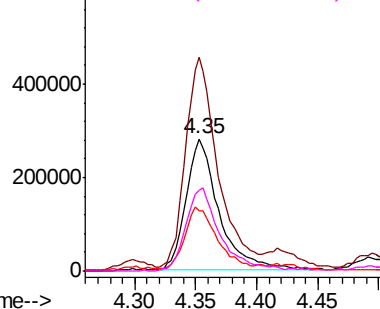


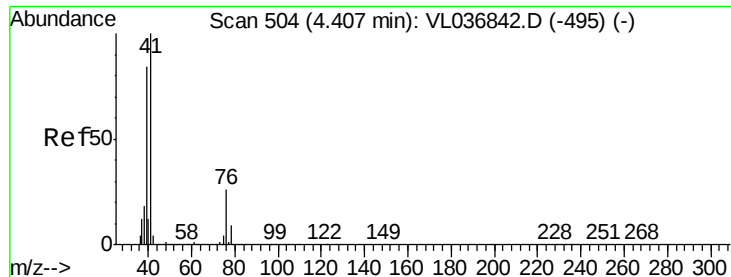
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

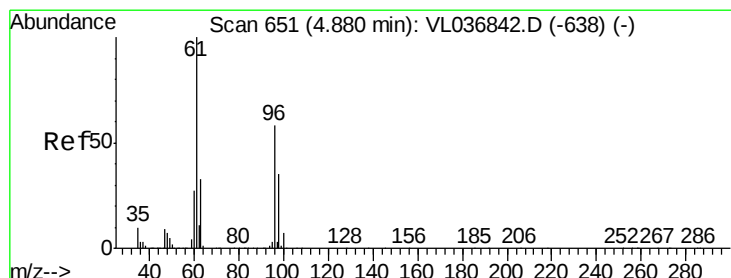
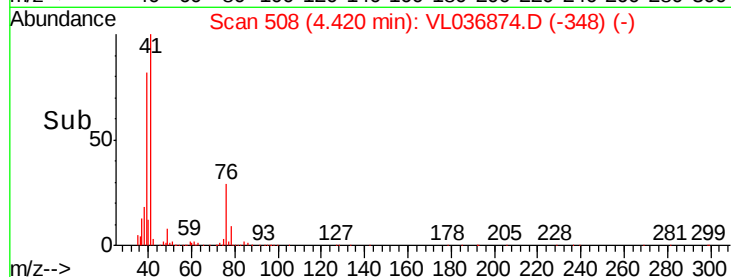
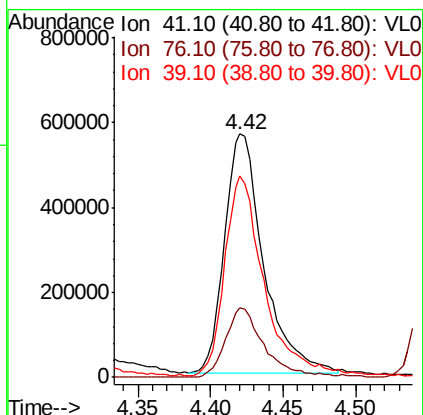
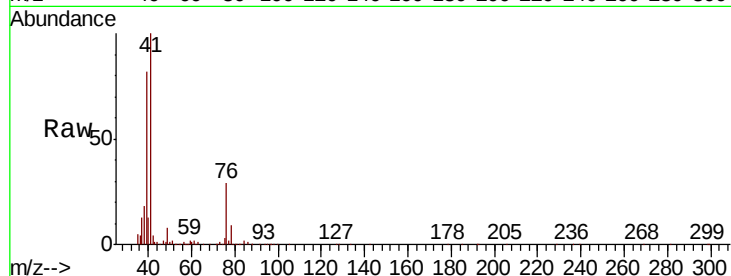




#21
Allv1 Chloride
Concen: 9.832 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

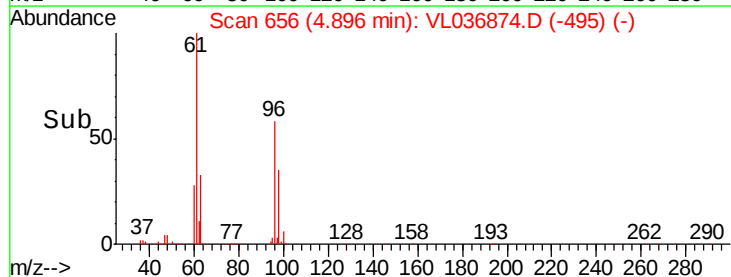
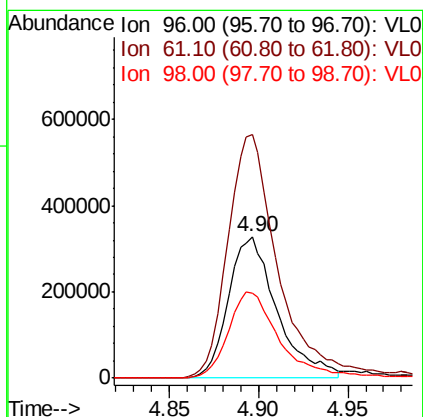
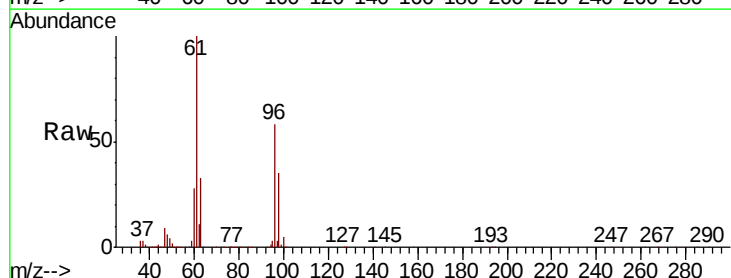
Instrument :
MSVOA_L
ClientSampleId :

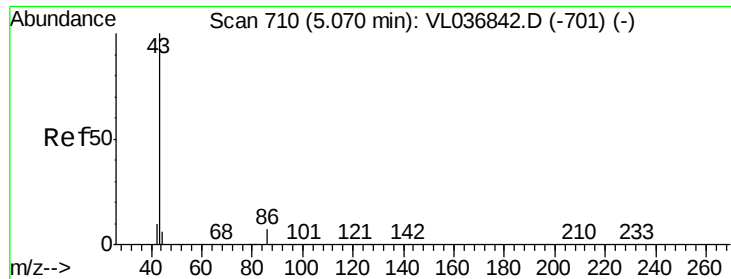
Tot Ion: 41 Resp: 1056322
Ion Ratio Lower Upper
41 100
76 29.1 22.4 33.6
39 86.3 68.4 102.6



#22
trans-1,2-Dichloroethene
Concen: 9.794 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion: 96 Resp: 616505
Ion Ratio Lower Upper
96 100
61 171.2 138.6 207.8
98 59.0 48.1 72.1



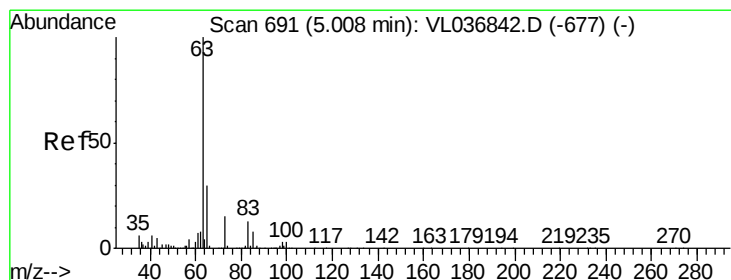
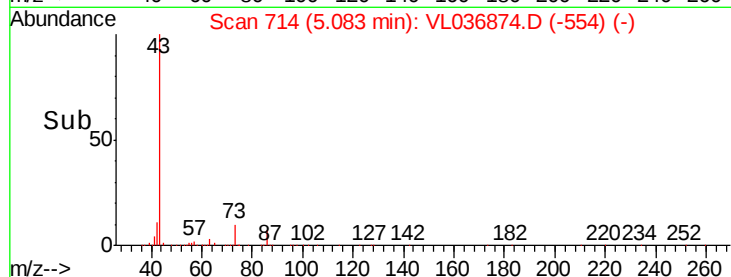
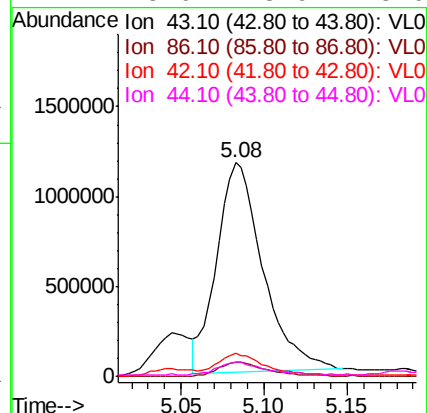
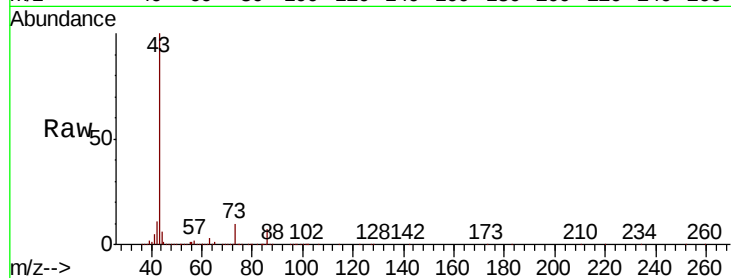


#23
 Vinyl Acetate
 Concen: 11.491 ppbv
 RT: 5.08 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2259994

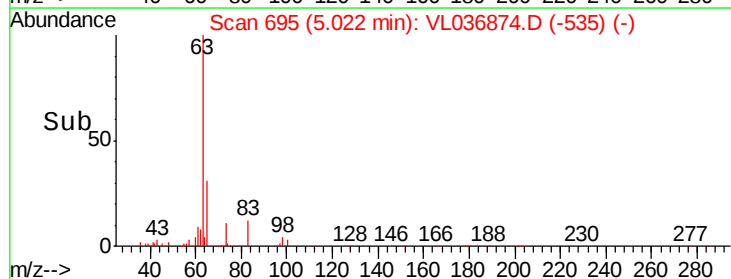
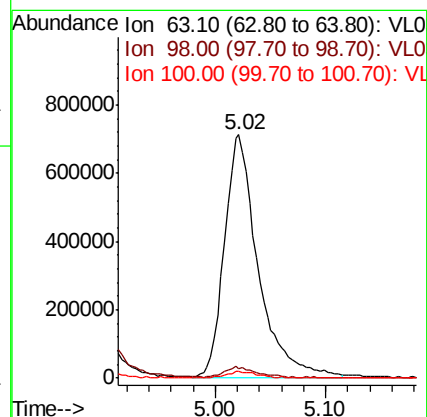
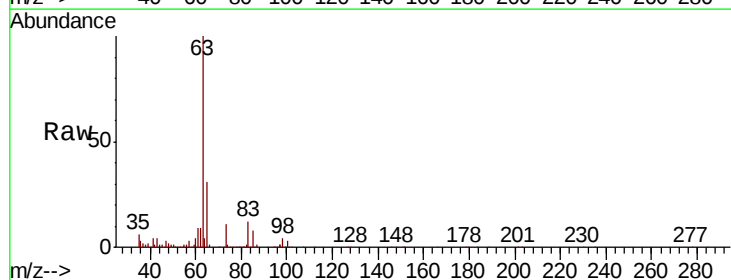
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.3	7.9
42	10.5	8.7	13.1
44	5.9	3.9	5.9#

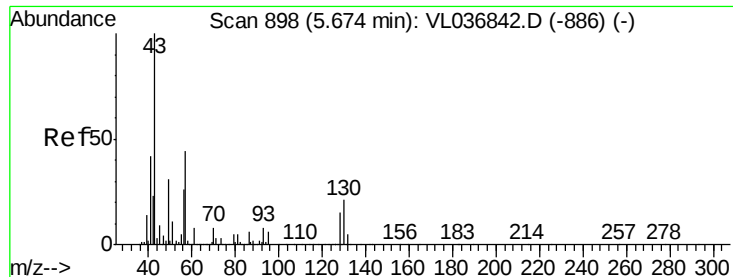


#24
 1,1-Dichloroethane
 Concen: 10.727 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion: 63 Resp: 1497652

Ion	Ratio	Lower	Upper
63	100		
98	3.5	1.7	5.1
100	2.6	1.3	3.8



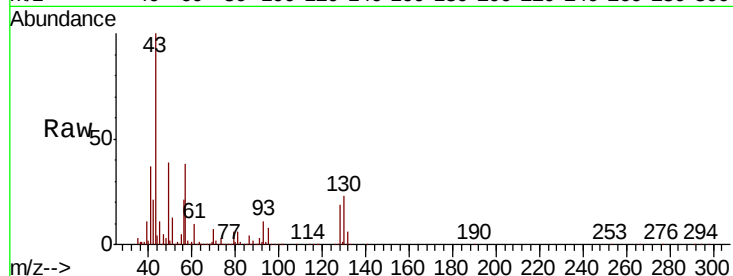


#25
Ethyl Acetate
Concen: 9.713 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

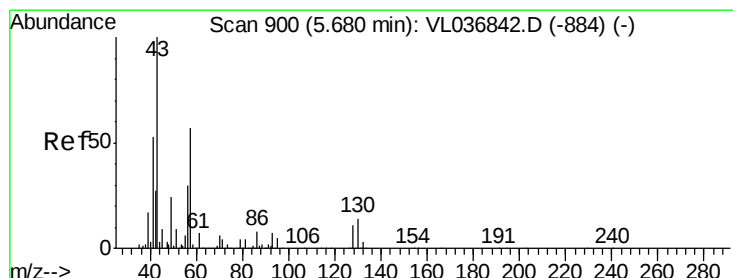
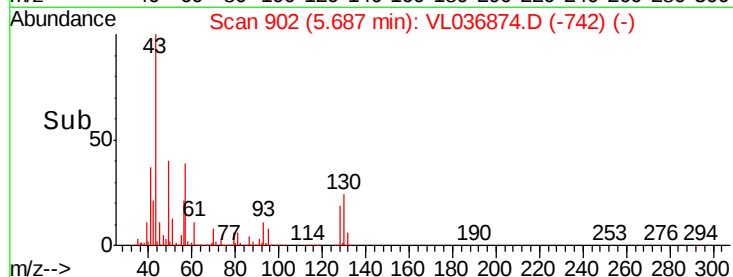
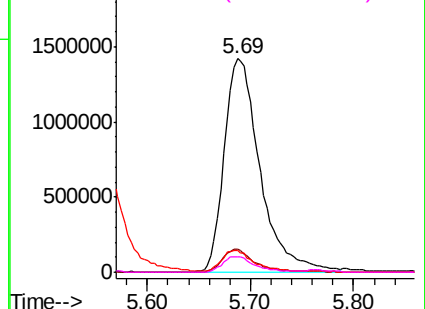
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3430422

Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.8
61	9.7	7.4	11.0
70	6.7	5.4	8.0



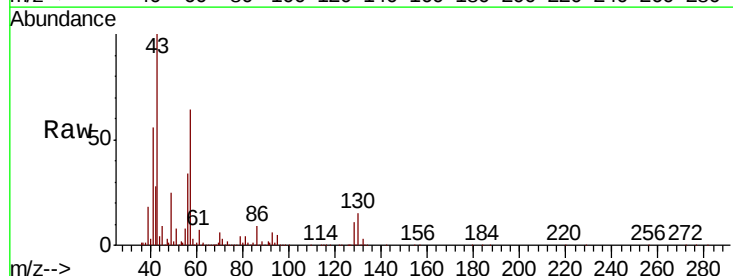
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



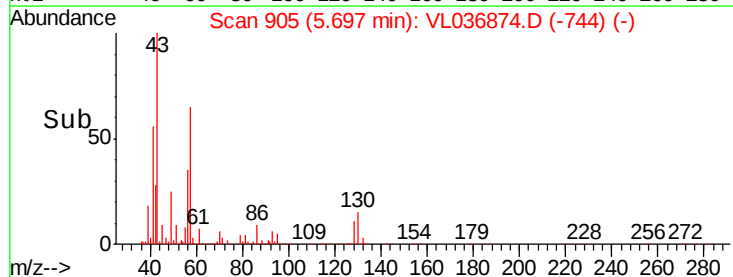
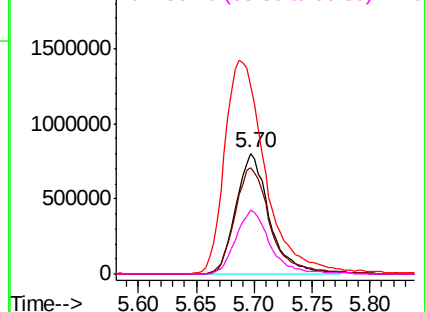
#26
Hexane
Concen: 9.644 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

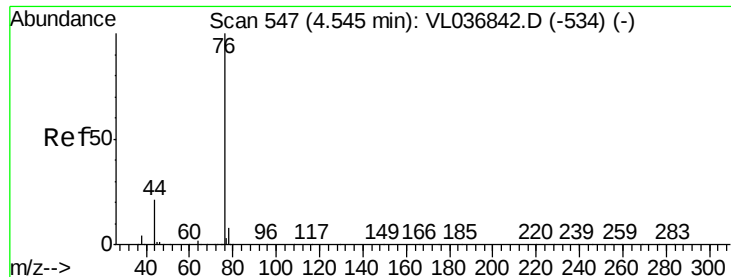
Tgt Ion: 57 Resp: 1593457

Ion	Ratio	Lower	Upper
57	100		
41	94.6	77.7	116.5
43	218.0	180.5	270.7
56	54.8	44.6	66.8



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: 10.967 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

ClientSampleId :

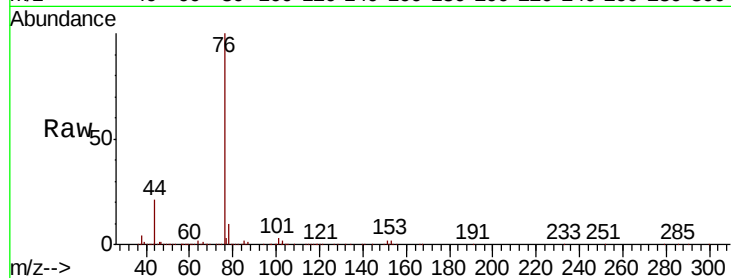
Tot Ion: 76 Resp: 1573903

Ion Ratio Lower Upper

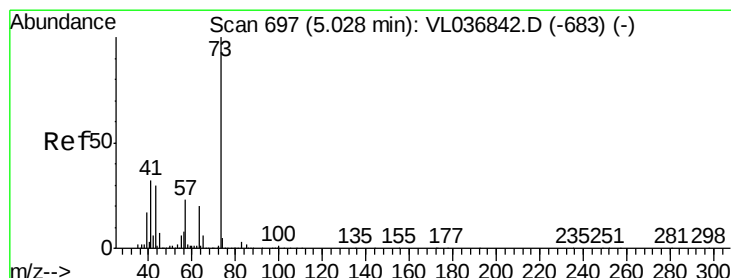
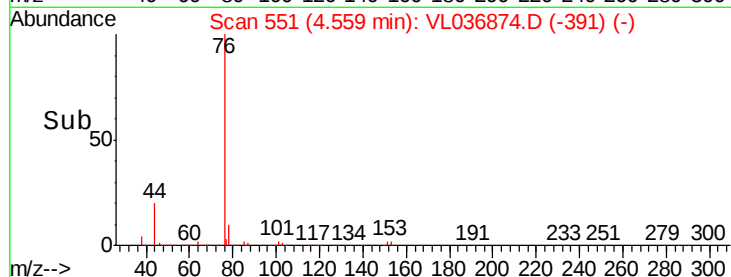
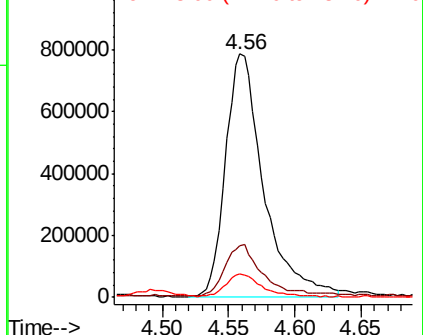
76 100

44 21.3 16.9 25.3

78 9.5 7.9 11.9



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.979 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.02 min

Lab File: VL036874.D

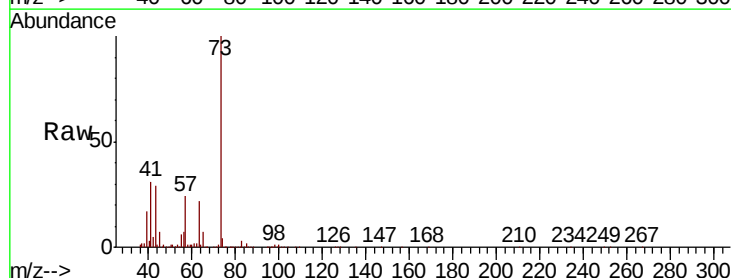
Acq: 28 Apr 2021 9:43

Tgt Ion: 73 Resp: 1754417

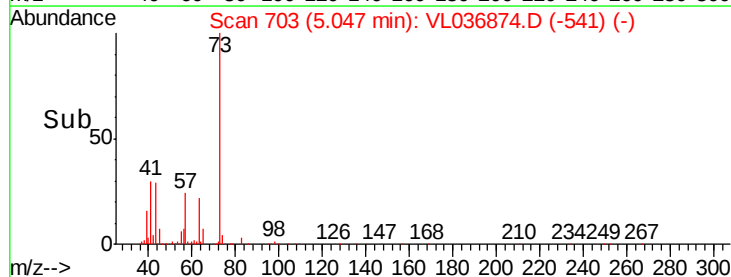
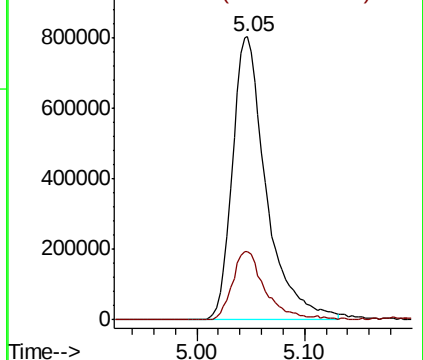
Ion Ratio Lower Upper

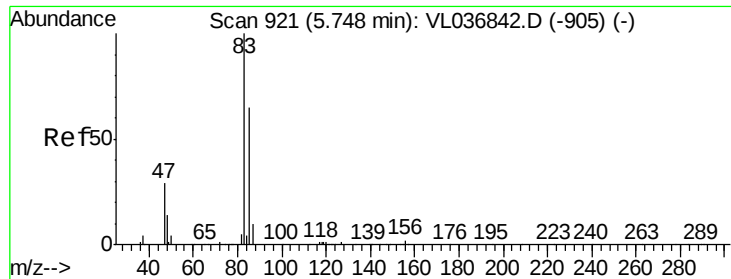
73 100

57 23.9 19.0 28.6



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

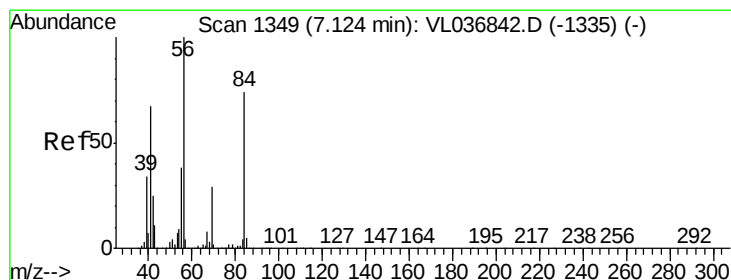
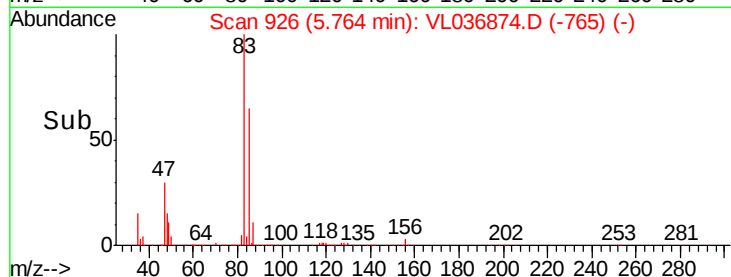
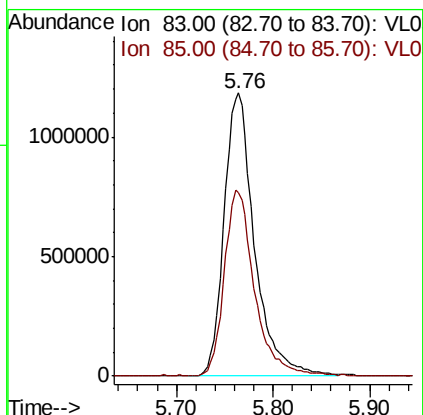
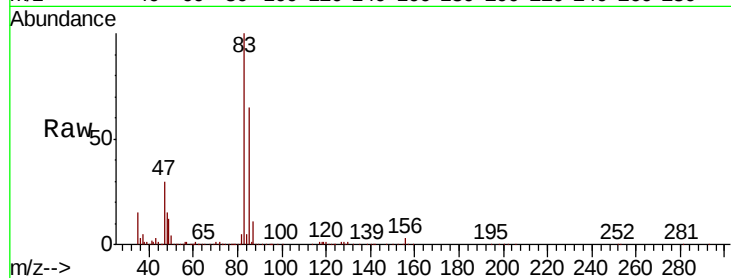




#29
Chloroform
Concen: 10.028 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

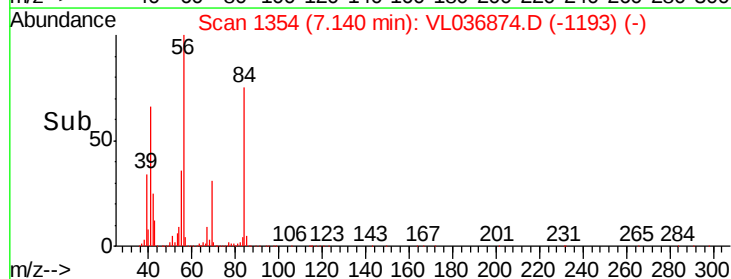
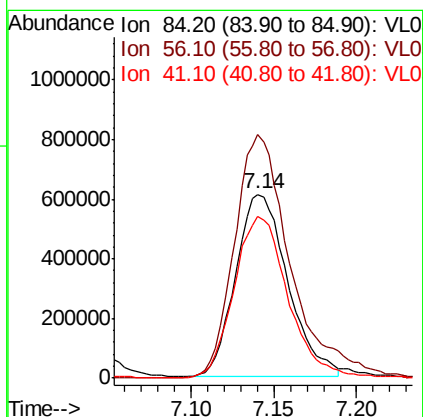
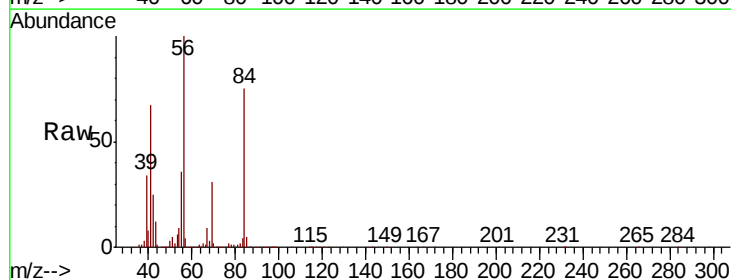
Instrument :
MSVOA_L
ClientSampled :

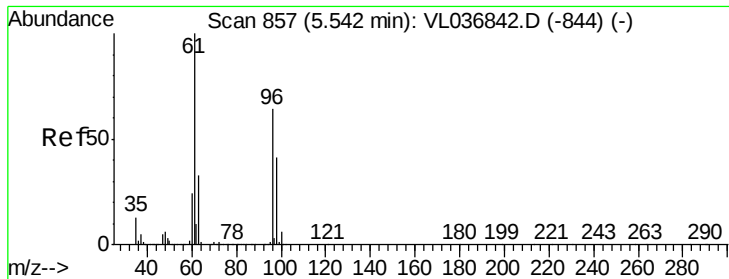
Tot Ion: 83 Resp: 2583329
Ion Ratio Lower Upper
83 100
85 64.7 52.2 78.4



#30
Cyclohexane
Concen: 10.198 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion: 84 Resp: 1336255
Ion Ratio Lower Upper
84 100
56 145.6 115.8 173.6
41 92.0 74.6 111.8



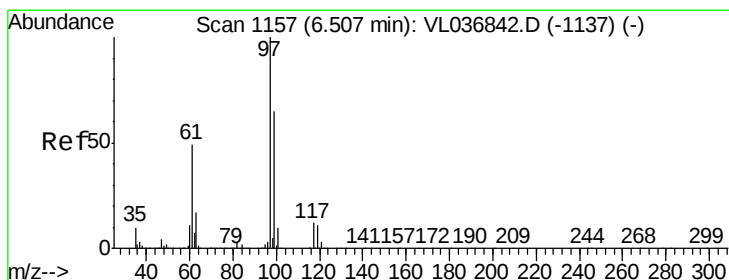
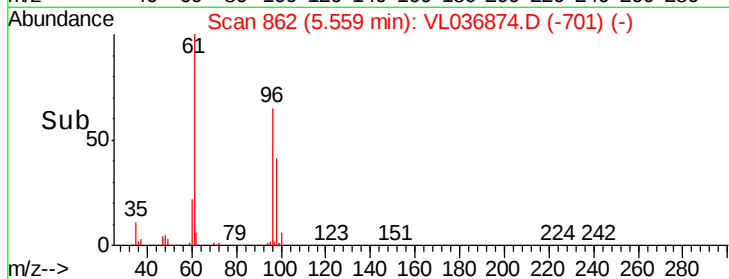
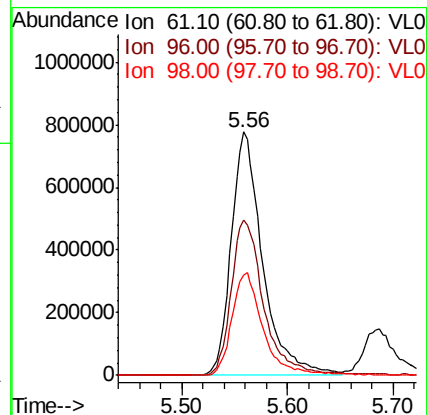
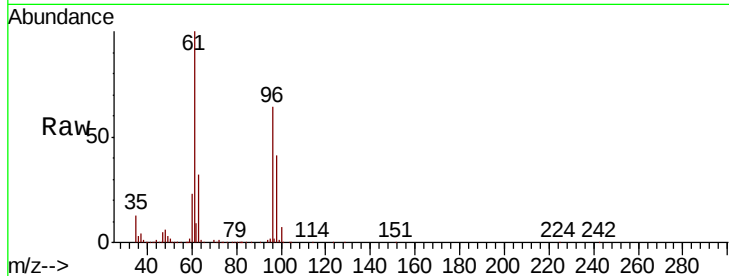


#31

cis-1,2-Dichloroethene
 Concen: 10.778 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampled :

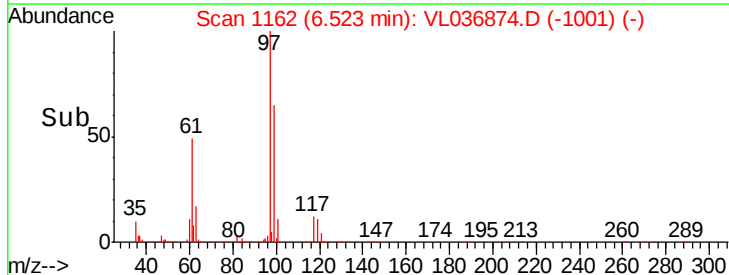
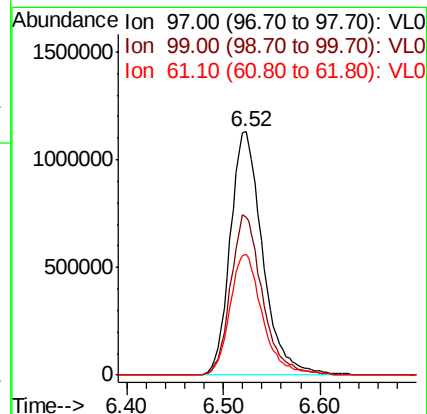
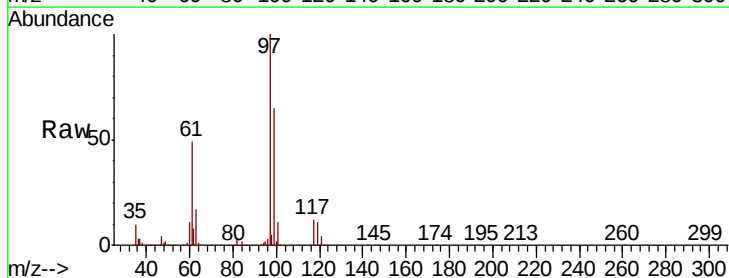
Tot Ion: 61 Resp: 1598594
 Ion Ratio Lower Upper
 61 100
 96 63.6 51.0 76.6
 98 41.3 32.7 49.1

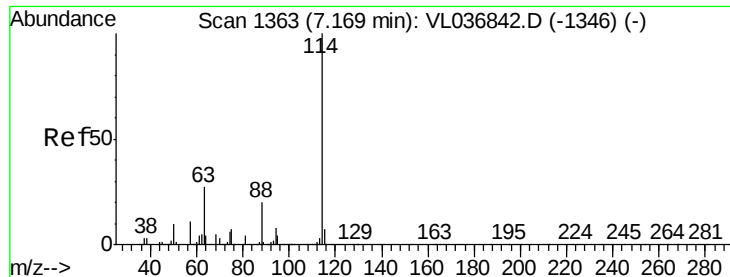


#32

1,1,1-Trichloroethane
 Concen: 10.046 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion: 97 Resp: 2631645
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.8 77.6
 61 49.9 40.8 61.2



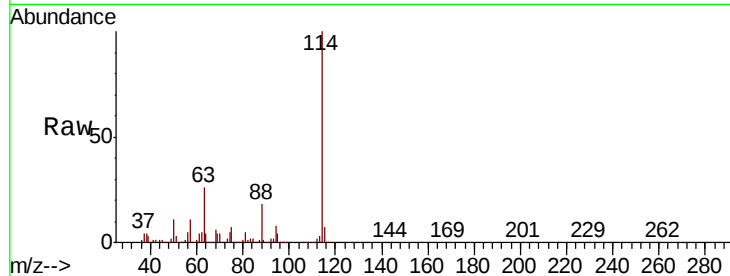


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

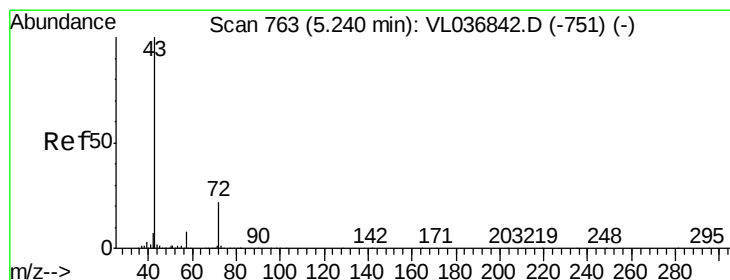
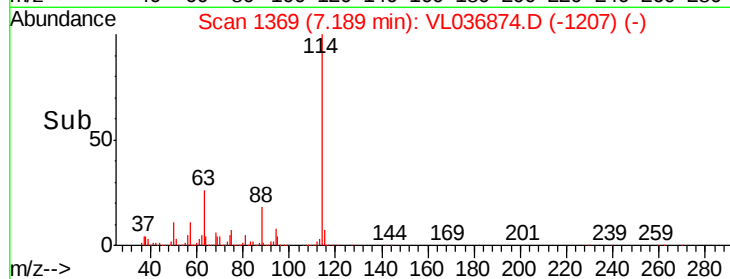
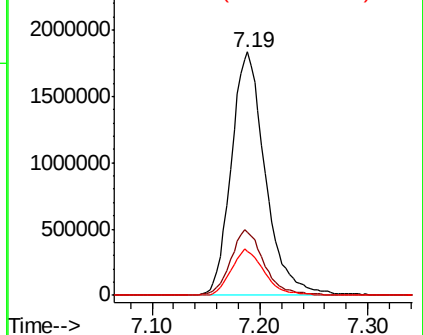
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4031677

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.9	32.9
88	18.5	15.1	22.7



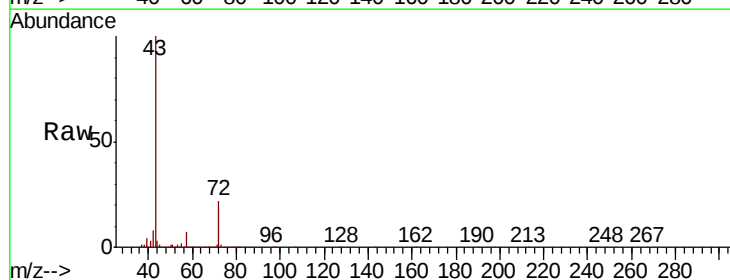
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



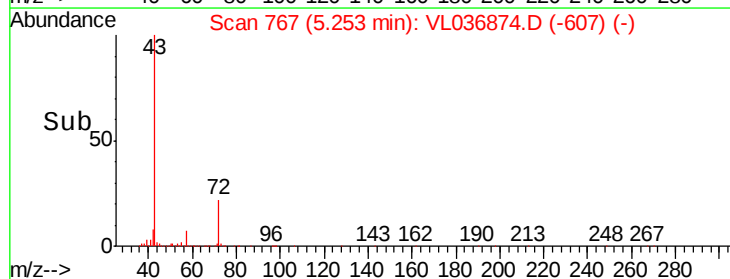
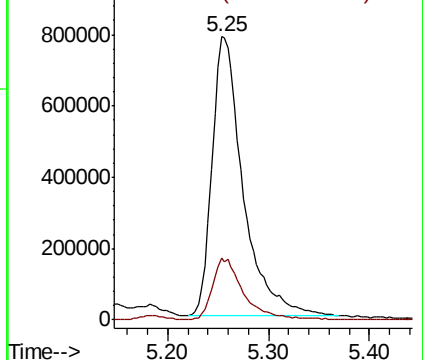
#34
 2-Butanone
 Concen: 9.485 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

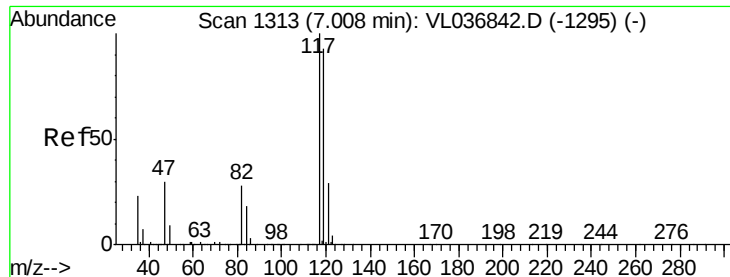
Tgt Ion: 43 Resp: 1675164

Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.6	26.4



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





#35

Carbon Tetrachloride

Concen: 10.076 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

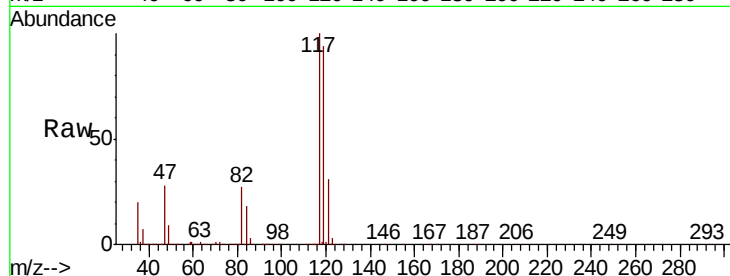
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 2756524

Ion	Ratio	Lower	Upper
117	100		
119	94.2	74.6	111.8
121	30.9	23.3	34.9

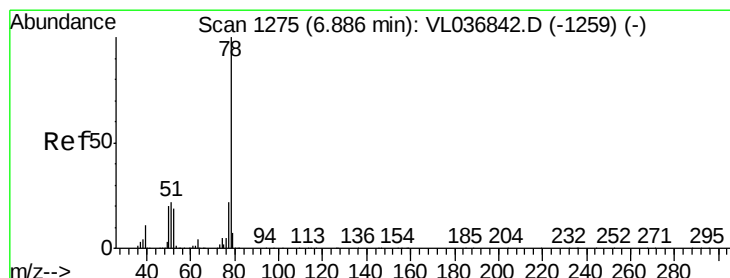
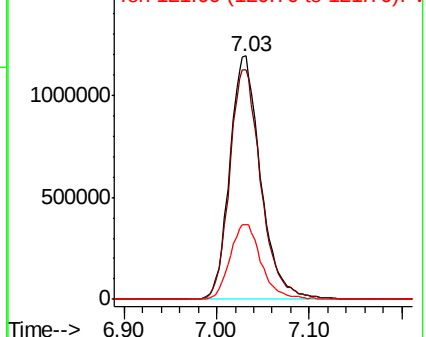
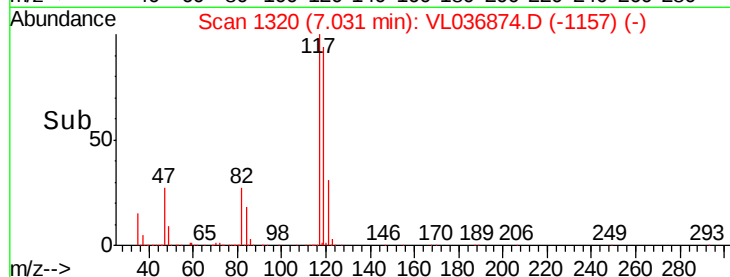


Abundance

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: 9.988 ppbv

RT: 6.90 min Scan# 1280

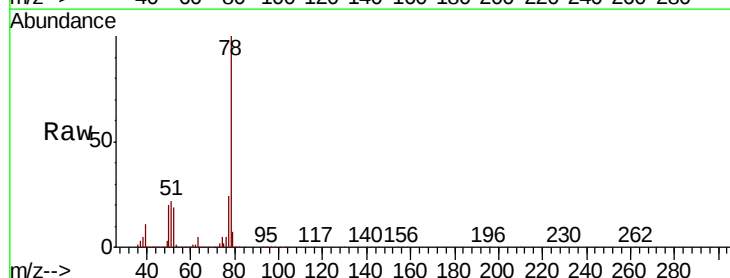
Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Tgt Ion: 78 Resp: 3392784

Ion	Ratio	Lower	Upper
78	100		
77	24.1	17.6	26.4
50	20.4	16.3	24.5

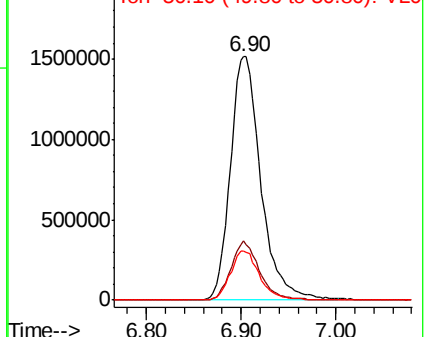
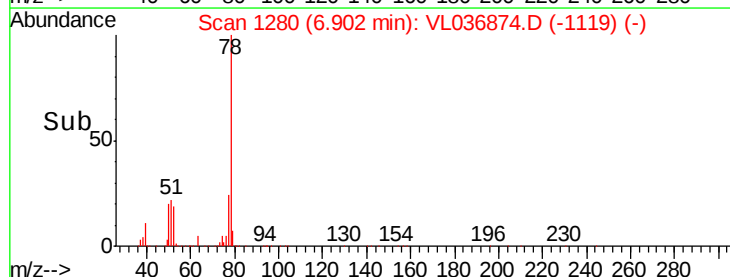


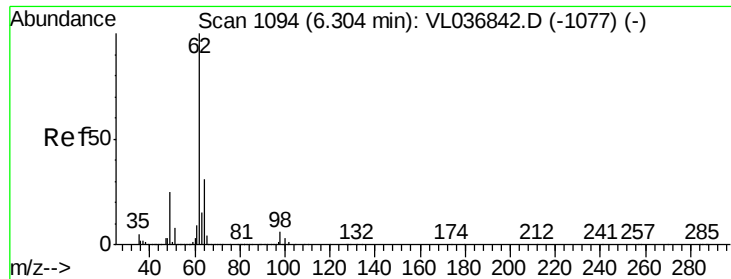
Abundance

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

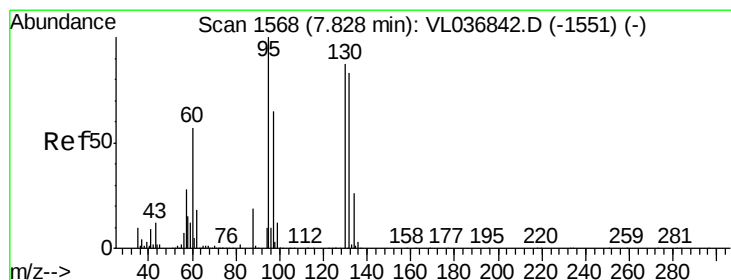
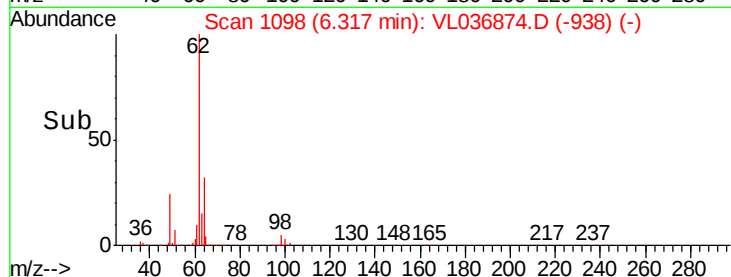
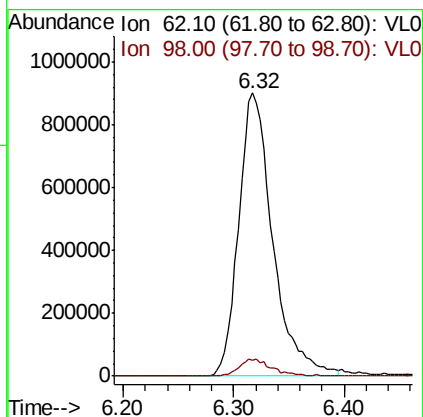
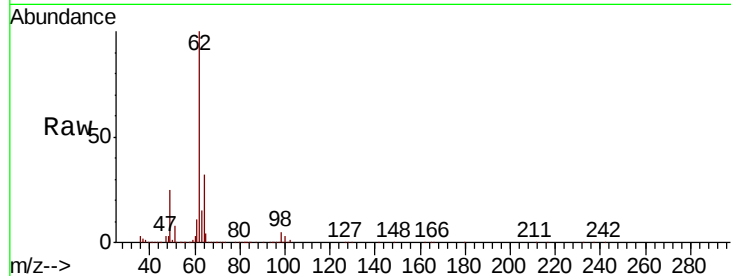




#37
 1,2-Dichloroethane
 Concen: 10.032 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

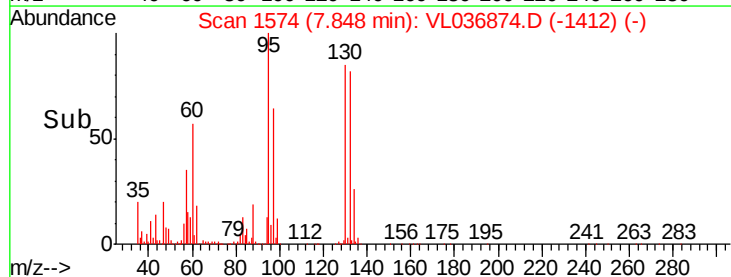
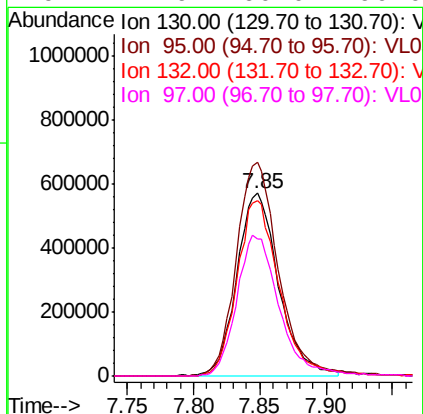
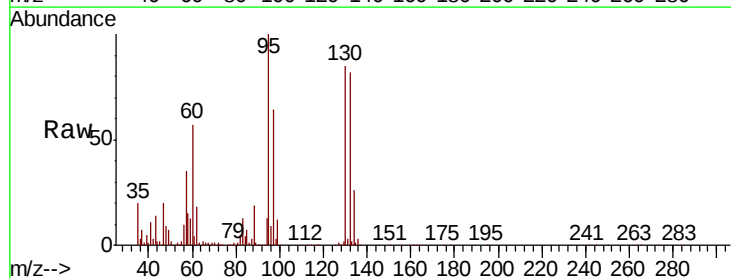
Instrument :
 MSVOA_L
 ClientSampleID :

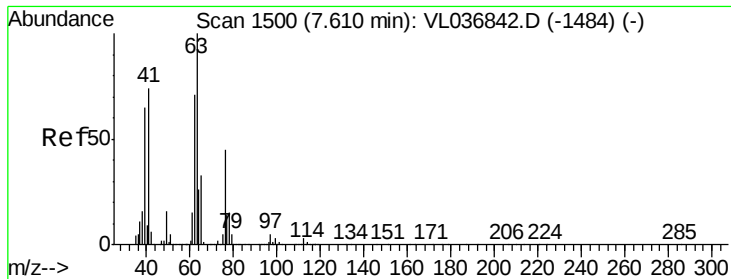
Tot Ion: 62 Resp: 1929658
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.8 7.2



#38
 Trichloroethene
 Concen: 10.351 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion: 130 Resp: 1251908
 Ion Ratio Lower Upper
 130 100
 95 117.0 92.3 138.5
 132 95.9 76.8 115.2
 97 74.9 60.0 90.0

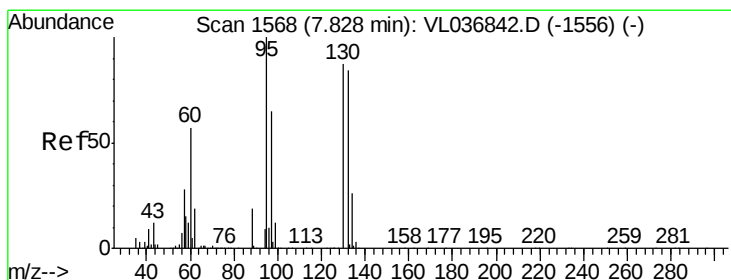
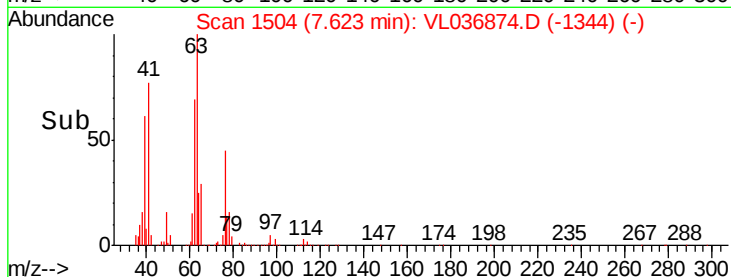
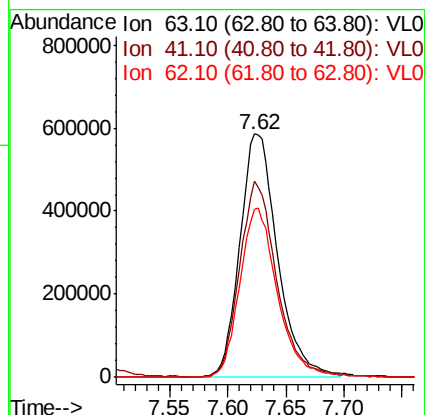
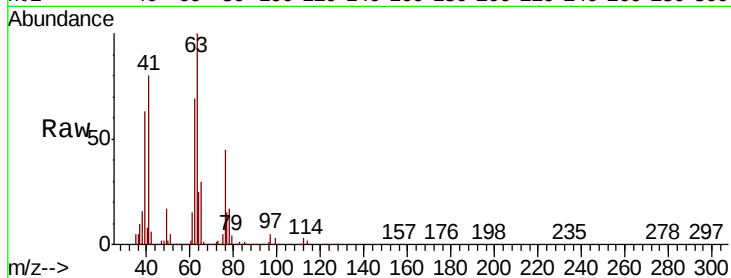




#39
 1,2-Dichloropropane
 Concen: 9.745 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. 0.01 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

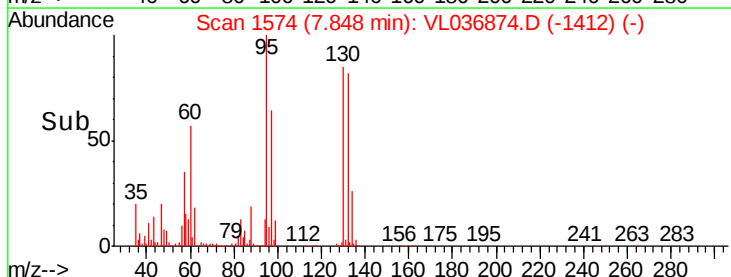
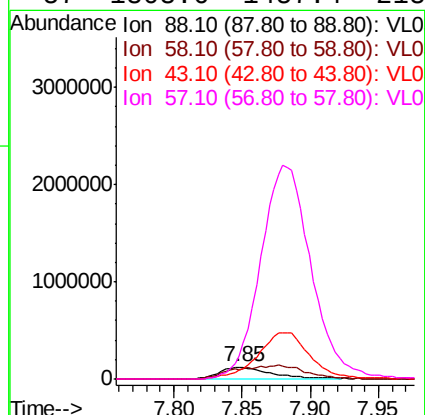
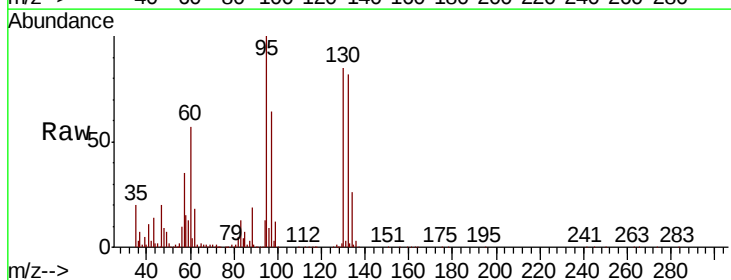
Instrument :
 MSVOA_L
 ClientSampleId :

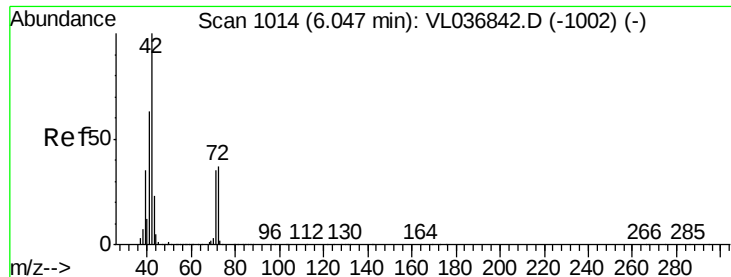
Tot Ion: 63 Resp: 1326164
 Ion Ratio Lower Upper
 63 100
 41 80.2 59.1 88.7
 62 69.0 56.9 85.3



#40
 1,4-Dioxane
 Concen: 9.577 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion: 88 Resp: 314737
 Ion Ratio Lower Upper
 88 100
 58 163.5 132.6 198.8
 43 406.5 331.5 497.3
 57 1808.6 1457.4 2186.0





#41

Tetrahydrofuran

Concen: 10.149 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

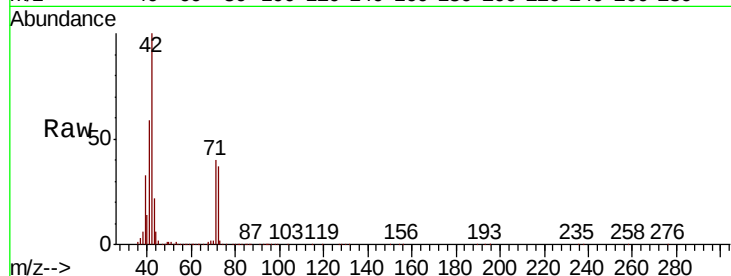
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 42 Resp: 784077

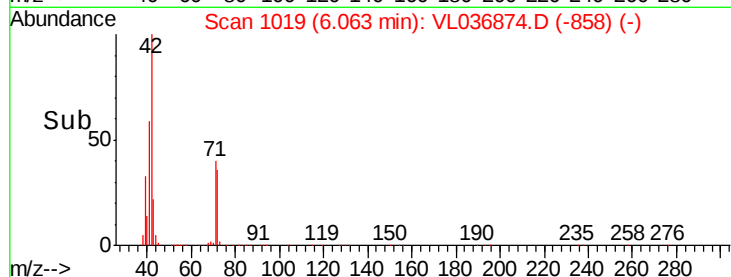
Ion	Ratio	Lower	Upper
42	100		
72	38.5	29.7	44.5
71	37.8	29.0	43.6



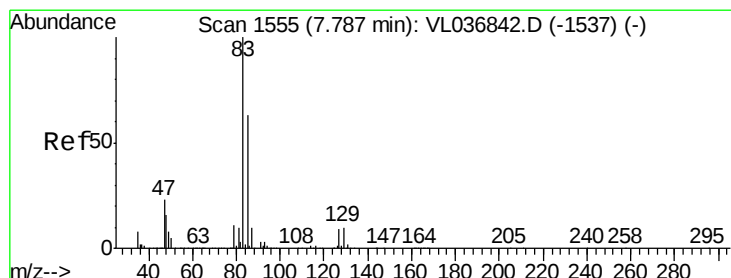
Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



Time-->



#42

Bromodichloromethane

Concen: 10.351 ppbv

RT: 7.81 min Scan# 1561

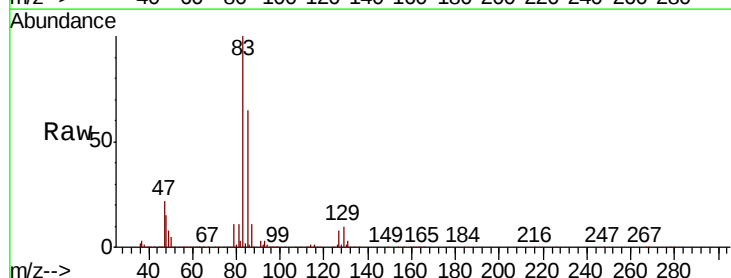
Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Tgt Ion: 83 Resp: 2766383

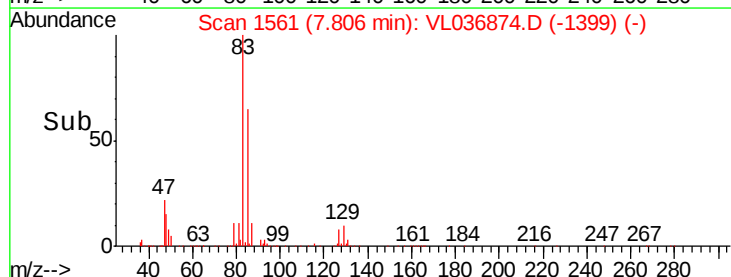
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.4	75.6
127	7.9	6.9	10.3



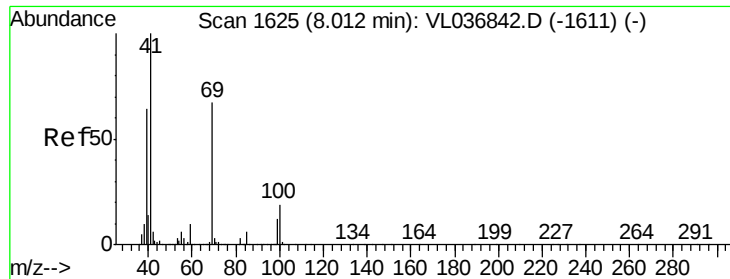
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V



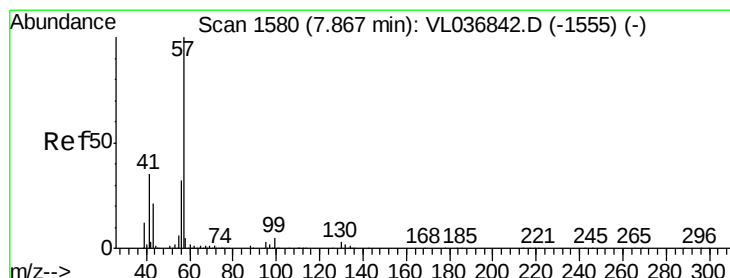
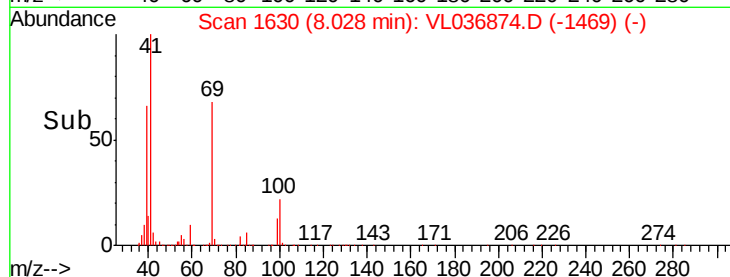
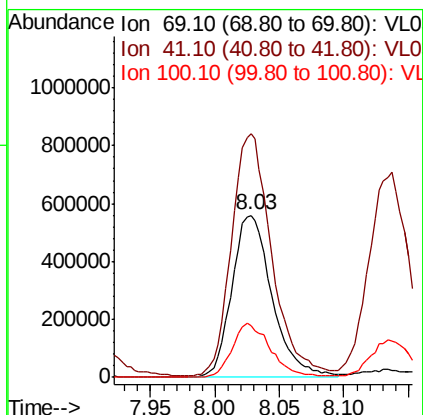
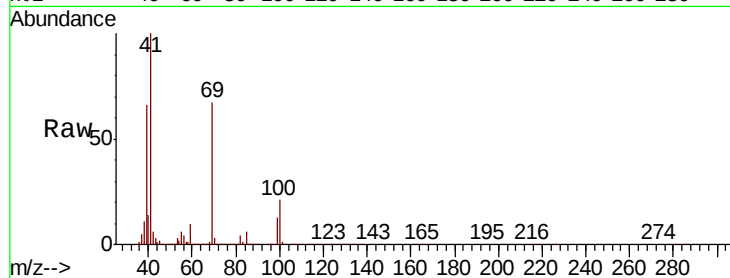
Time-->



#43
Methvl Methacrvlate
Concen: 10.957 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

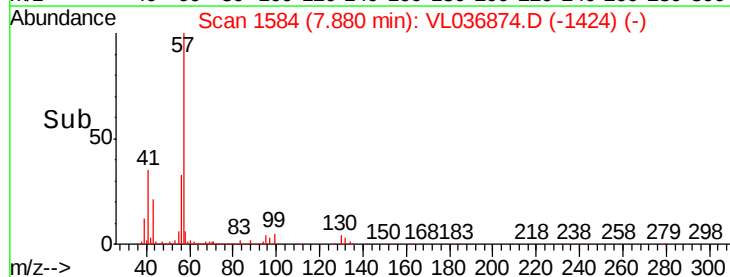
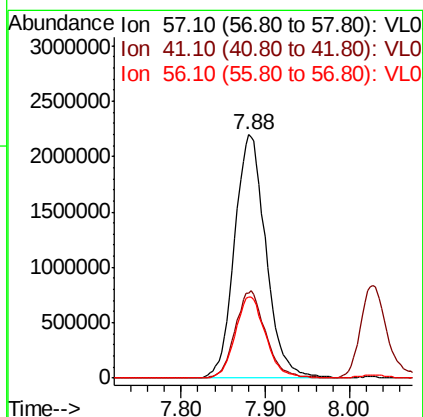
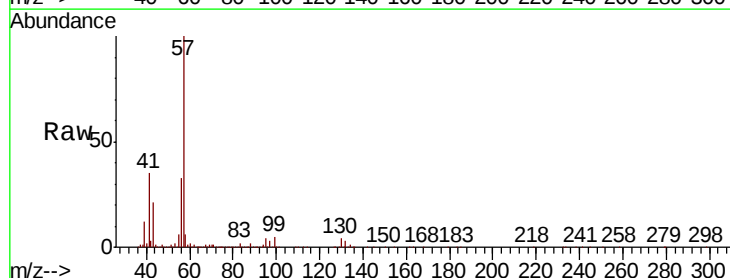
Instrument :
MSVOA_L
ClientSampled :

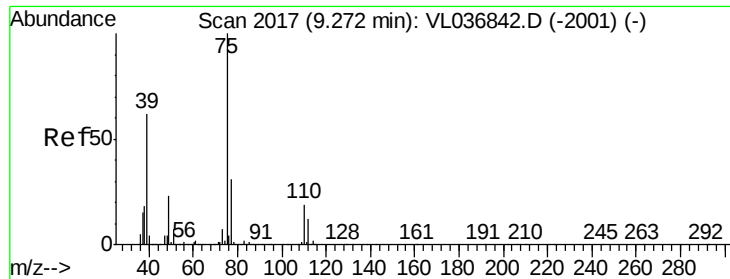
Tot Ion: 69 Resp: 1214456
Ion Ratio Lower Upper
69 100
41 151.2 124.2 186.4
100 31.9 25.5 38.3



#44
2,2,4-Trimethylpentane
Concen: 9.772 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion: 57 Resp: 5688735
Ion Ratio Lower Upper
57 100
41 34.9 28.2 42.4
56 32.5 25.9 38.9

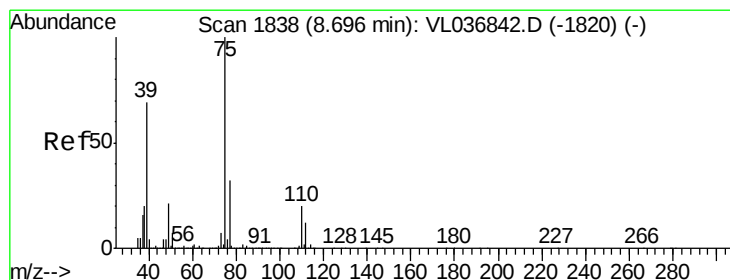
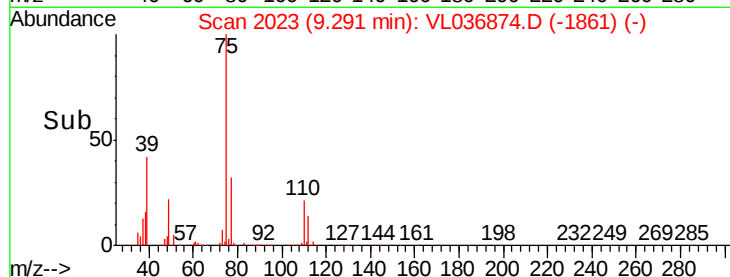
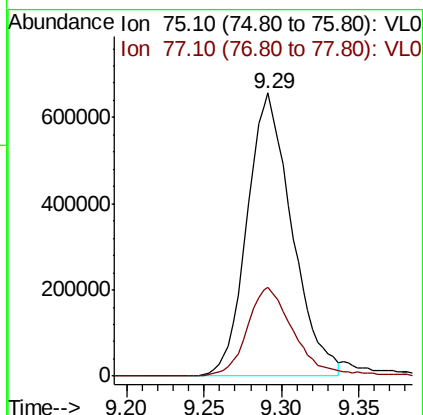
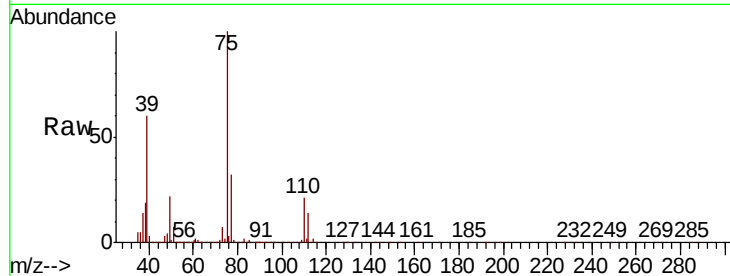




#45
t-1,3-Dichloropropene
Concen: 11.105 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

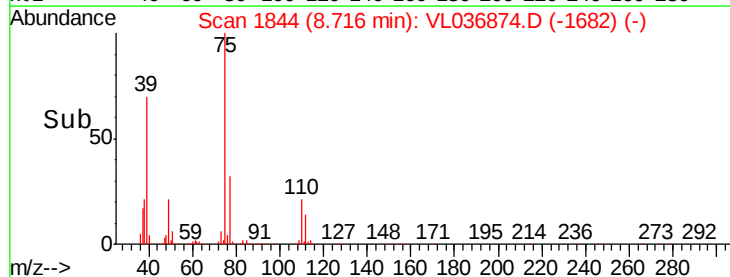
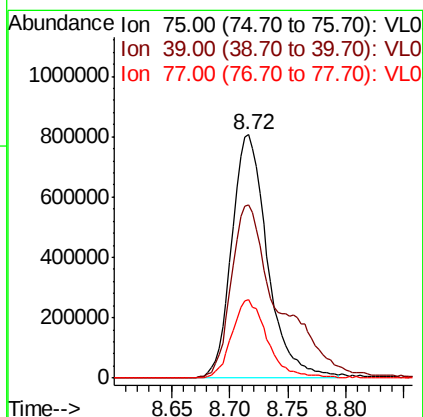
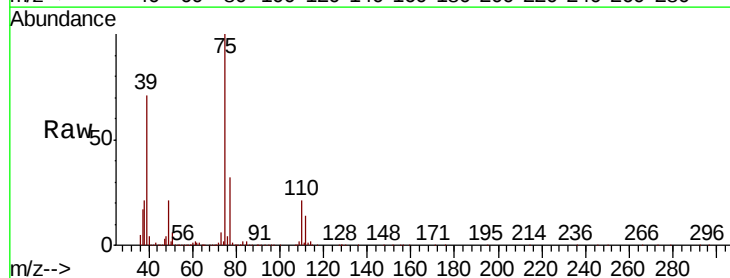
Instrument :
MSVOA_L
ClientSampleId :

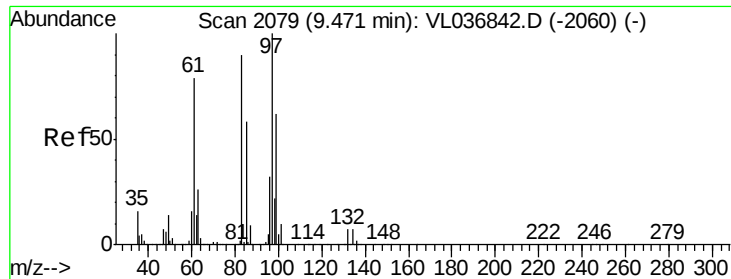
Tot Ion: 75 Resp: 1326936
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 11.284 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion: 75 Resp: 1728769
Ion Ratio Lower Upper
75 100
39 71.2 55.4 83.0
77 32.2 25.2 37.8



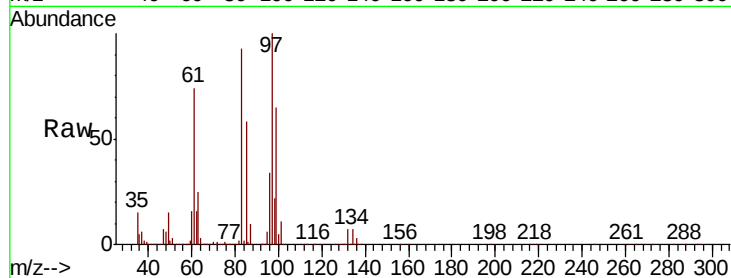


#47
 1,1,2-Trichloroethane
 Concen: 9.863 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

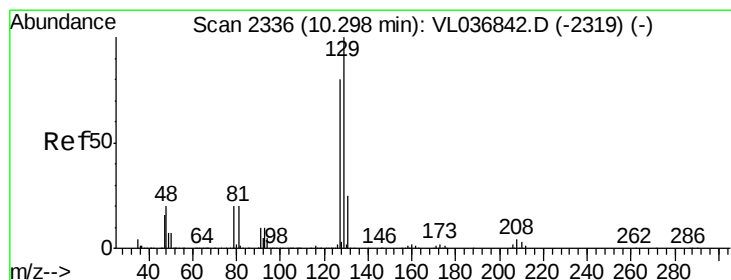
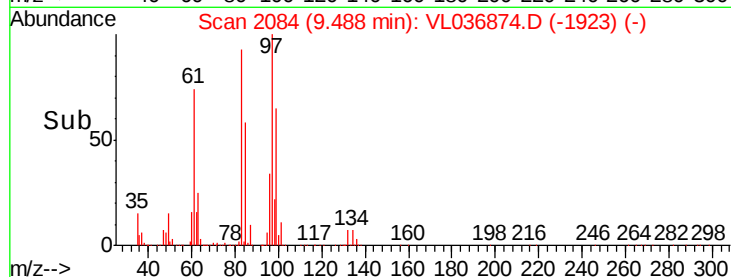
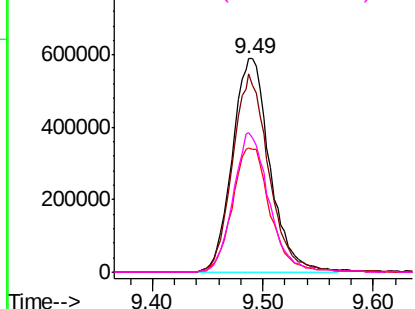
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1389633

Ion	Ratio	Lower	Upper
97	100		
83	92.6	71.9	107.9
85	57.9	46.5	69.7
99	65.4	49.8	74.8



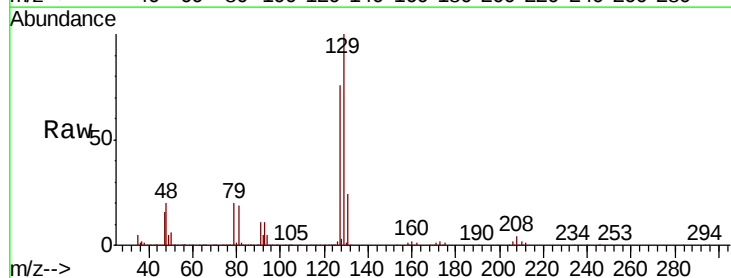
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



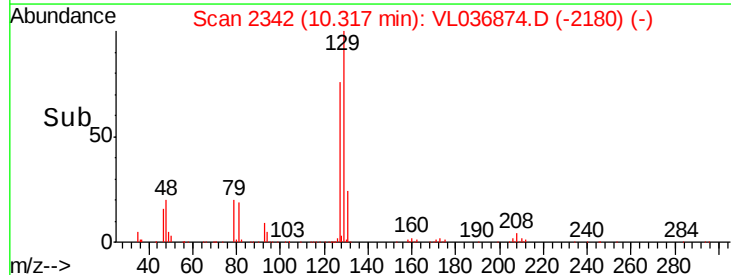
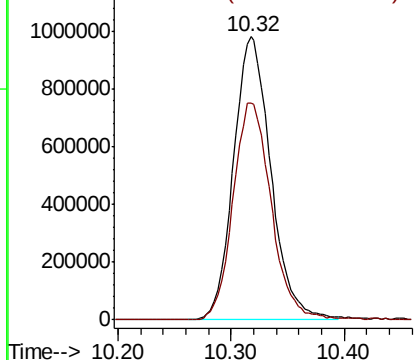
#48
 Dibromochloromethane
 Concen: 10.776 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

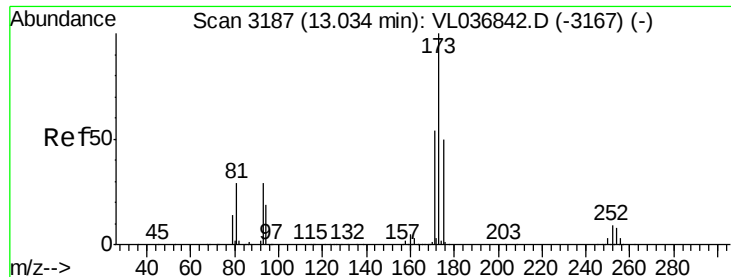
Tgt Ion: 129 Resp: 2249674

Ion	Ratio	Lower	Upper
129	100		
127	79.0	40.2	120.5



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.874 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

ClientSampleId :

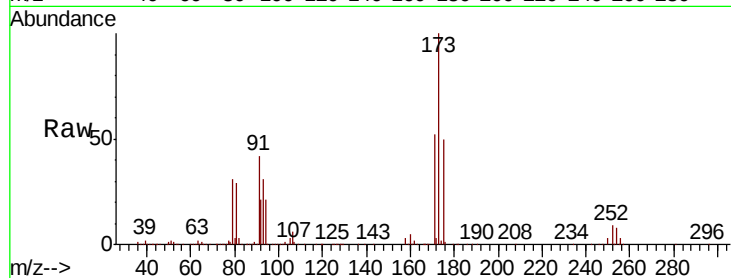
Tot Ion:173 Resp: 1812478

Ion Ratio Lower Upper

173 100

175 51.1 39.6 59.4

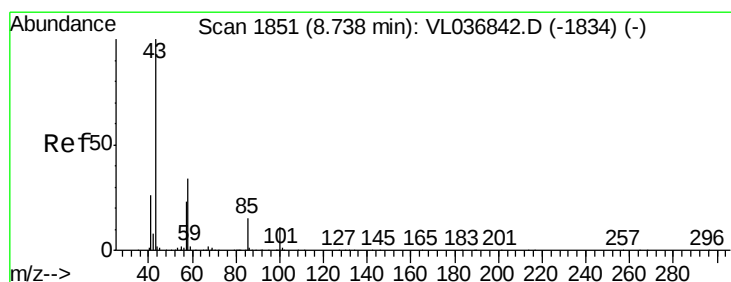
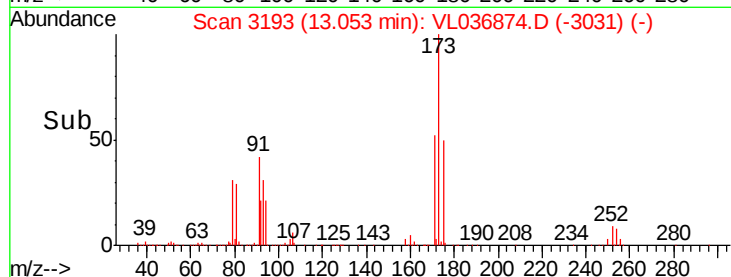
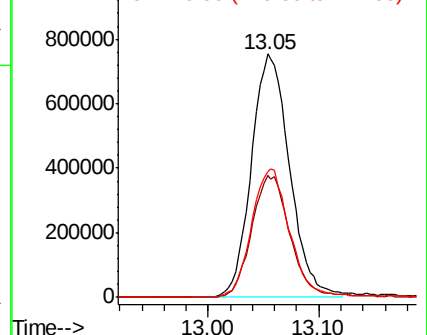
171 52.9 42.2 63.4



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: 10.314 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.02 min

Lab File: VL036874.D

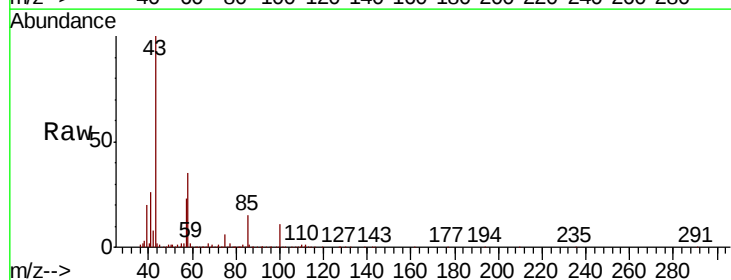
Acq: 28 Apr 2021 9:43

Tgt Ion: 43 Resp: 2489687

Ion Ratio Lower Upper

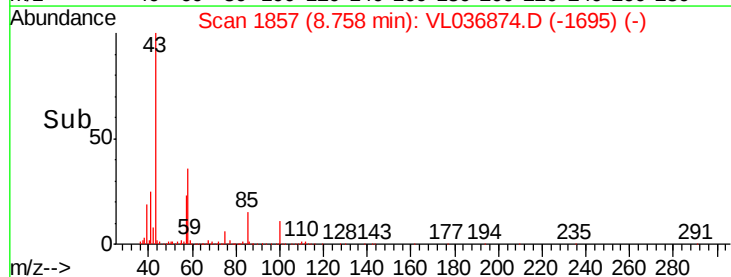
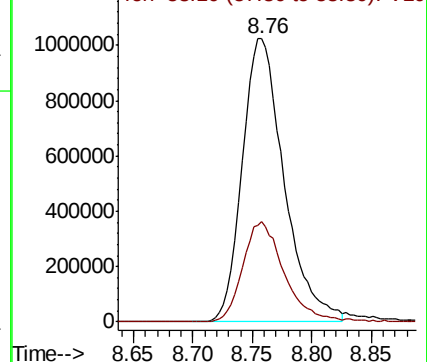
43 100

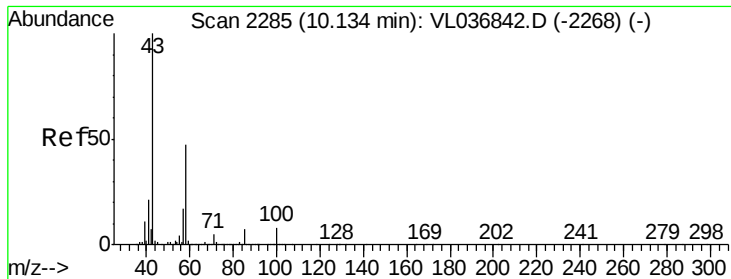
58 35.2 27.8 41.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

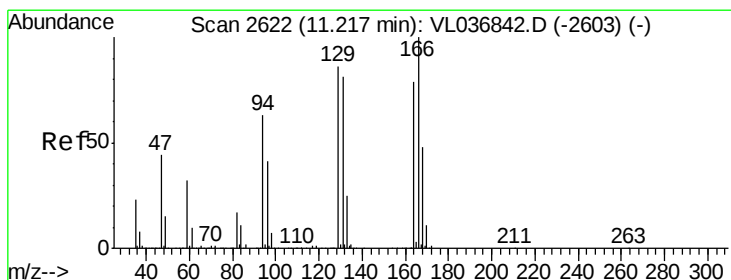
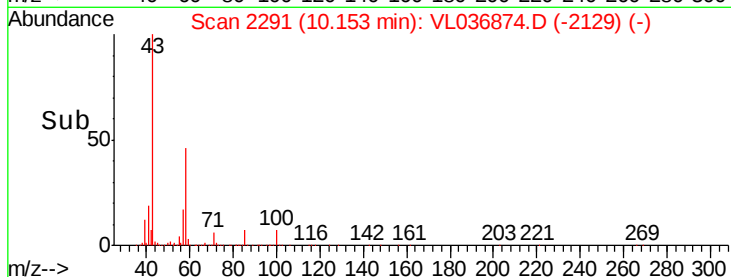
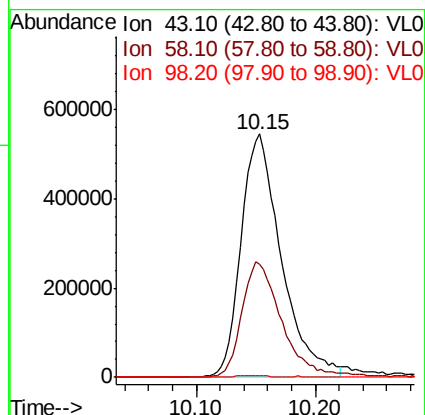
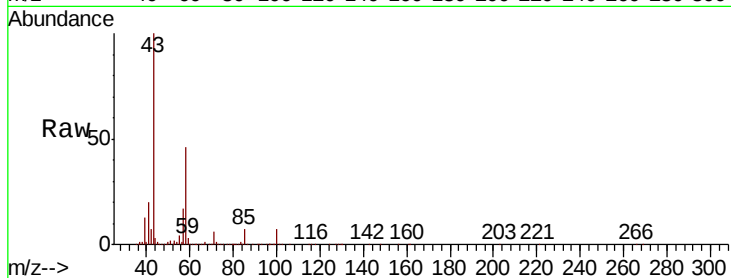




#51
2-Hexanone
Concen: 10.615 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

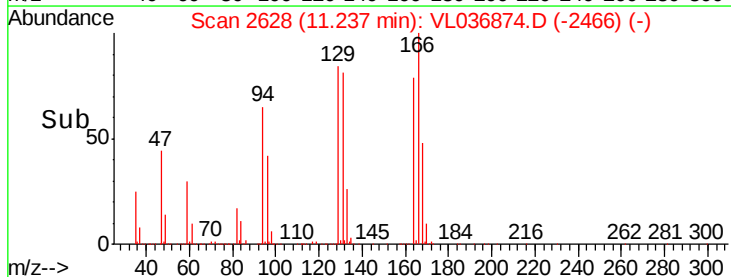
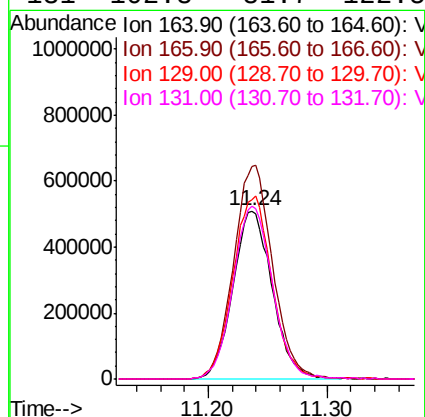
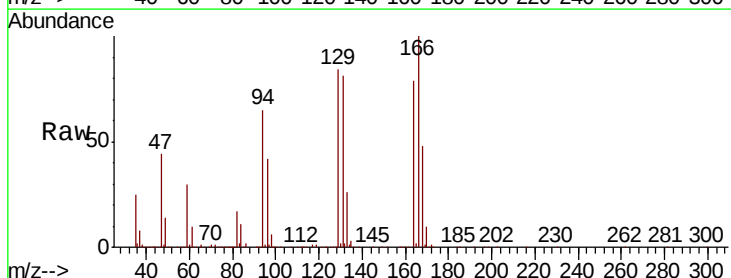
Instrument :
MSVOA_L
ClientSampleId :

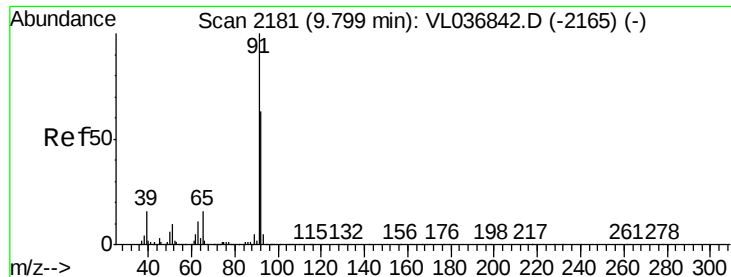
Tot Ion: 43 Resp: 1278029
Ion Ratio Lower Upper
43 100
58 48.1 37.0 55.6
98 1.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.997 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion:164 Resp: 1156383
Ion Ratio Lower Upper
164 100
166 126.7 100.9 151.3
129 106.7 87.0 130.4
131 102.8 81.7 122.5





#53

Toluene

Concen: 10.565 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

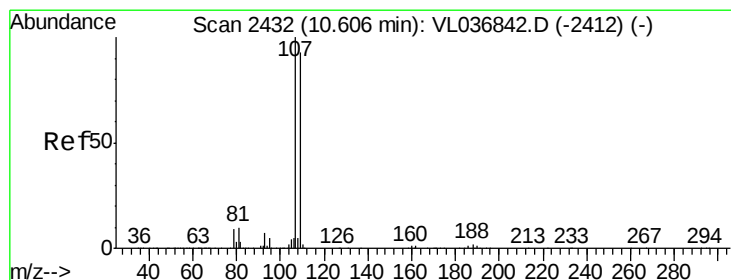
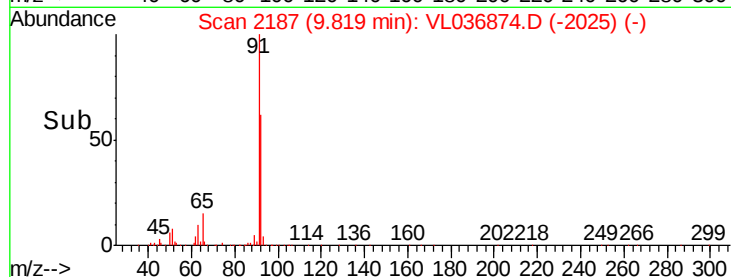
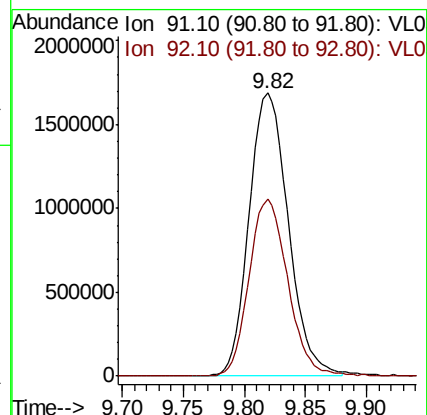
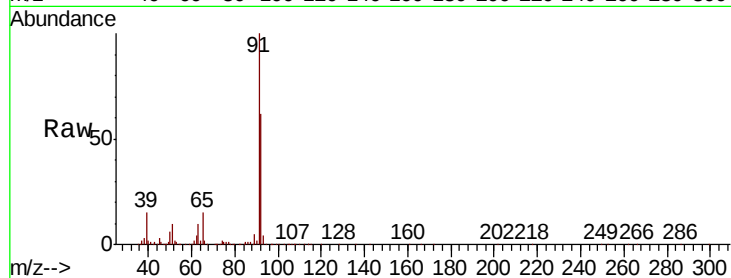
ClientSampleId :

Tot Ion: 91 Resp: 3755171

Ion Ratio Lower Upper

91 100

92 62.1 49.0 73.4



#54

1,2-Dibromoethane

Concen: 9.871 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.02 min

Lab File: VL036874.D

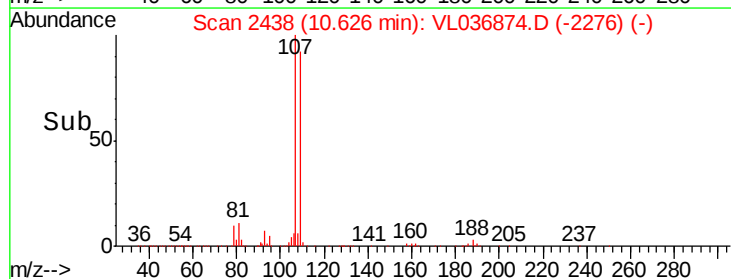
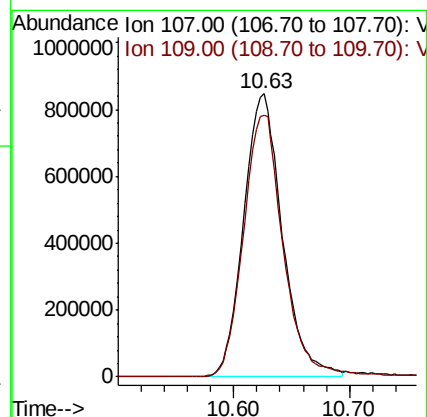
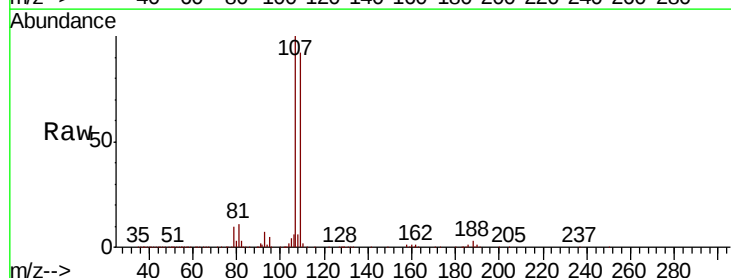
Acq: 28 Apr 2021 9:43

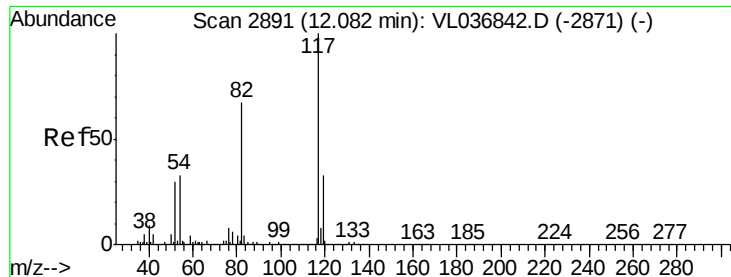
Tgt Ion: 107 Resp: 1963520

Ion Ratio Lower Upper

107 100

109 92.5 74.7 112.1

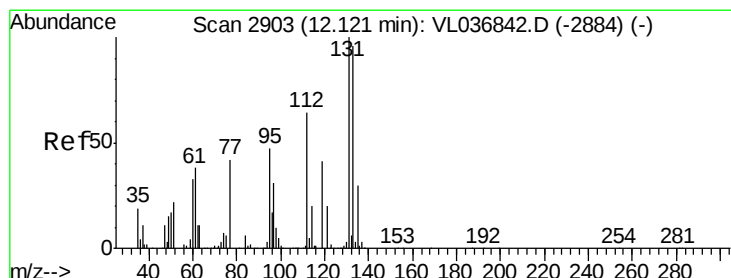
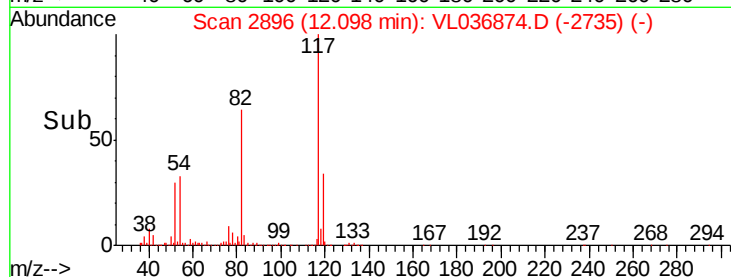
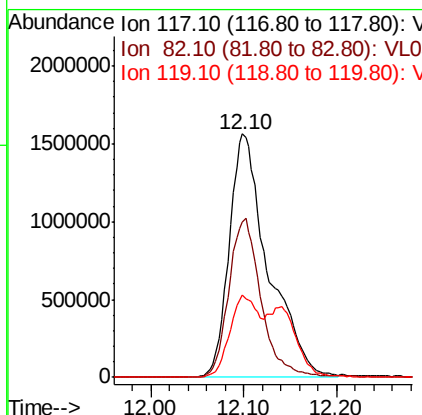
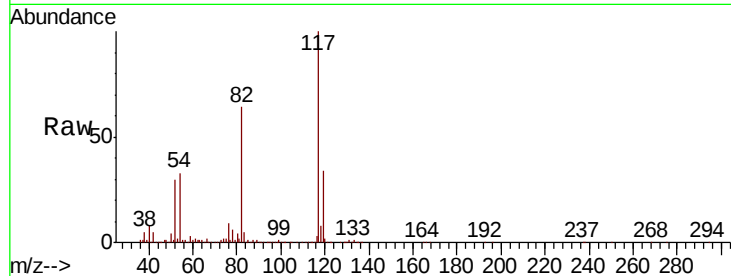




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

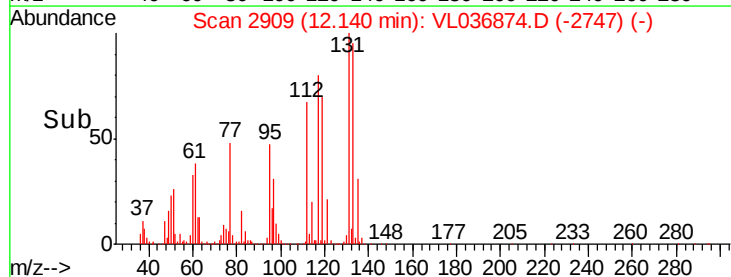
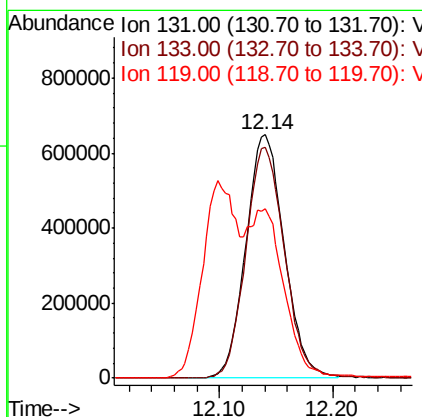
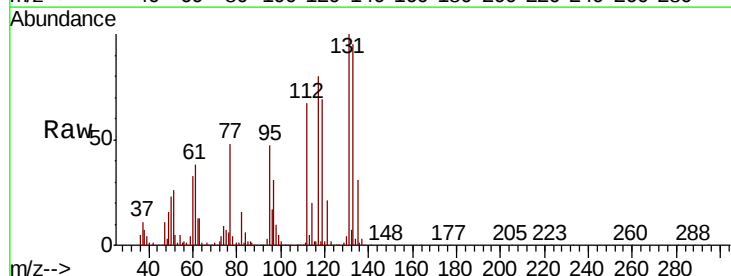
Instrument :
MSVOA_L
ClientSampleId :

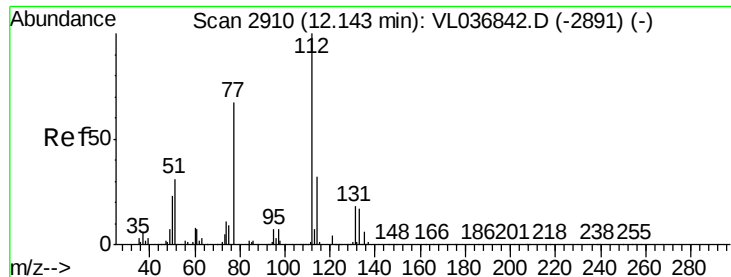
Tot Ion:117 Resp: 4566694
Ion Ratio Lower Upper
117 100
82 54.3 53.5 80.3
119 47.6 25.6 38.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.994 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion:131 Resp: 1530405
Ion Ratio Lower Upper
131 100
133 96.0 76.3 114.5
119 141.8 114.9 172.3

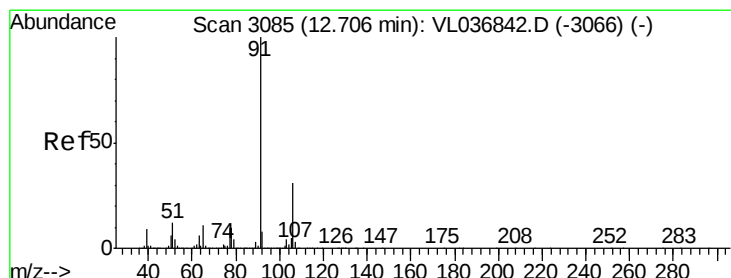
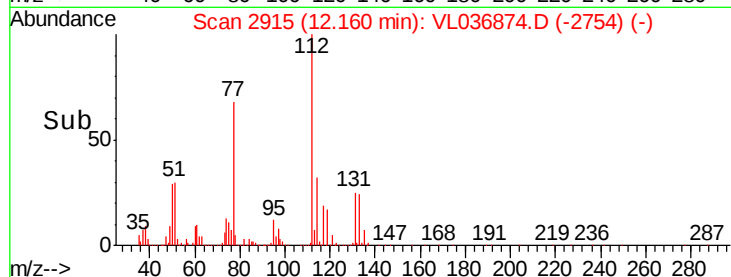
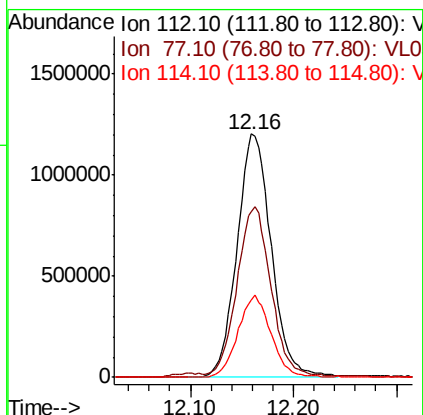
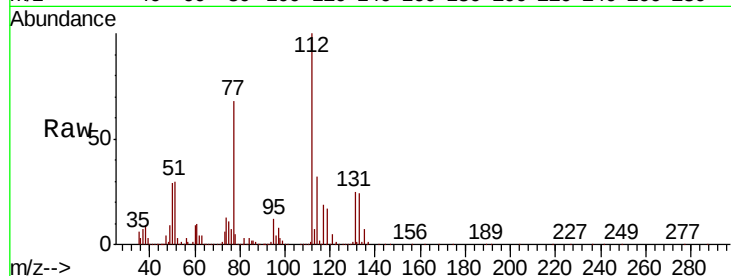




#57
Chlorobenzene
Concen: 7.827 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

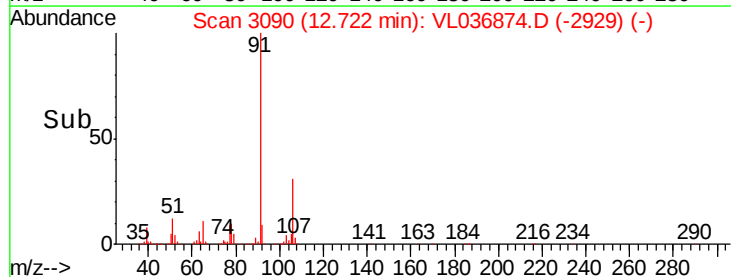
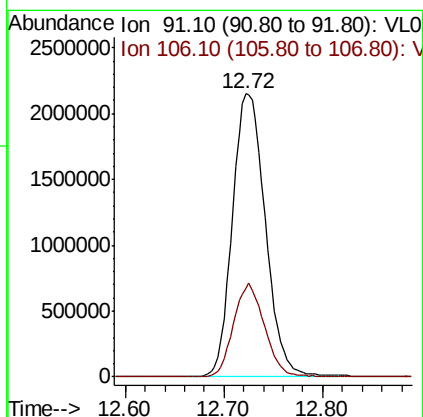
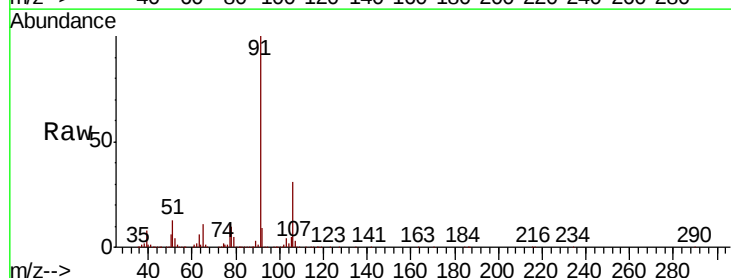
Instrument :
MSVOA_L
ClientSampleId :

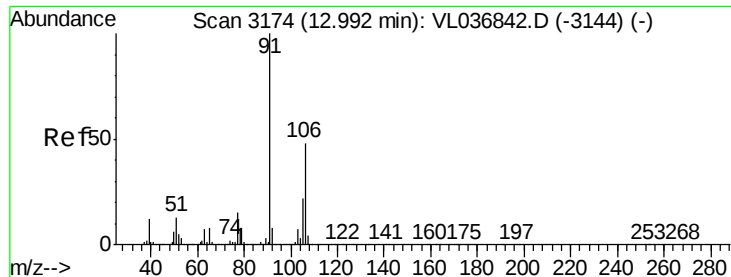
Tot Ion:112 Resp: 2784119
Ion Ratio Lower Upper
112 100
77 67.2 54.2 81.4
114 31.5 28.5 34.9



#58
Ethyl Benzene
Concen: 8.642 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion: 91 Resp: 5005400
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7

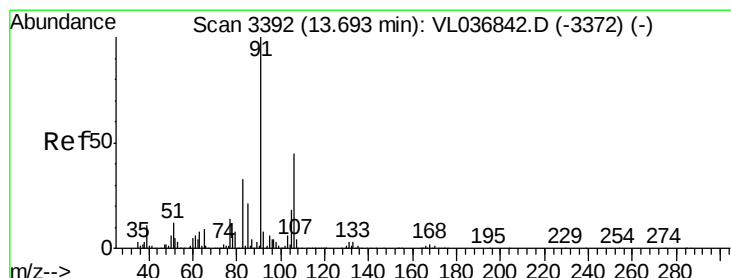
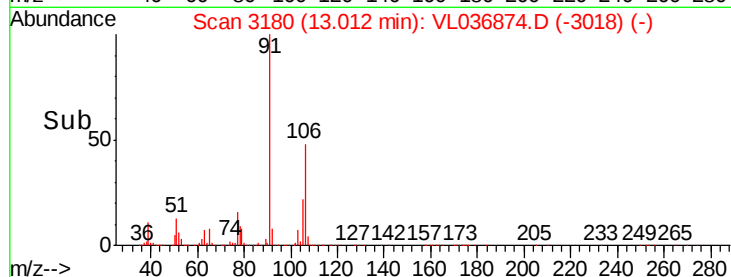
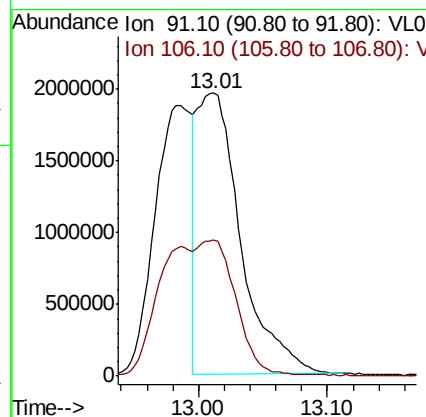
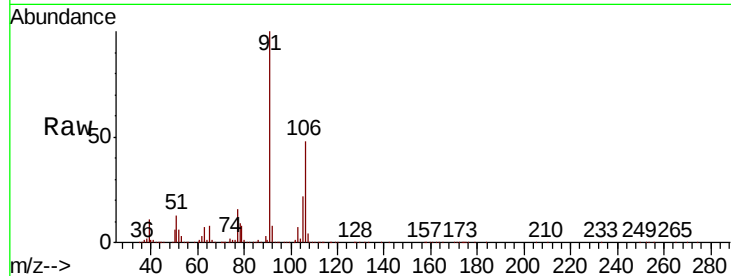




#59
m/p-Xylene
Concen: 8.913 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

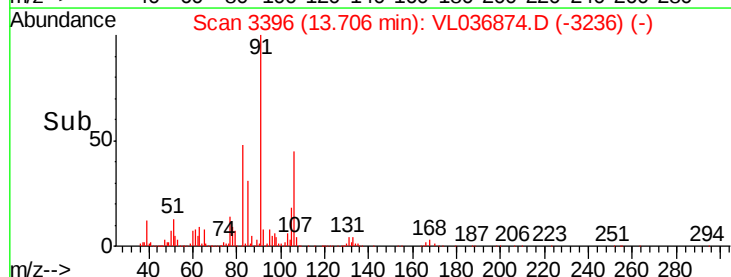
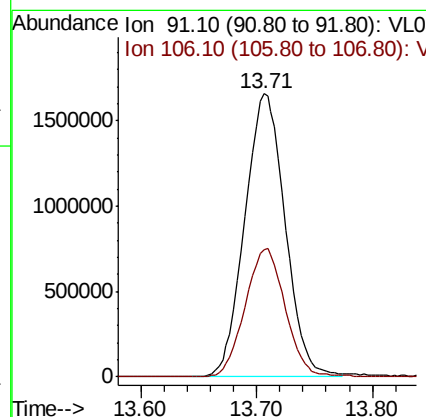
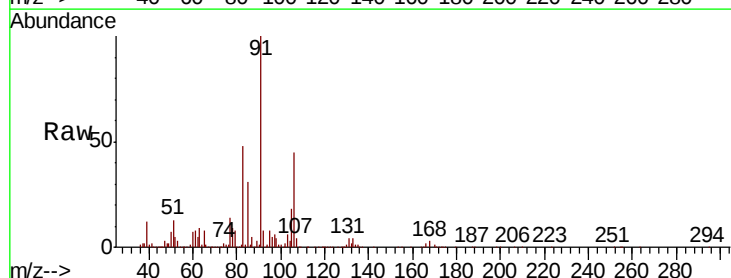
Instrument :
MSVOA_L
ClientSampled :

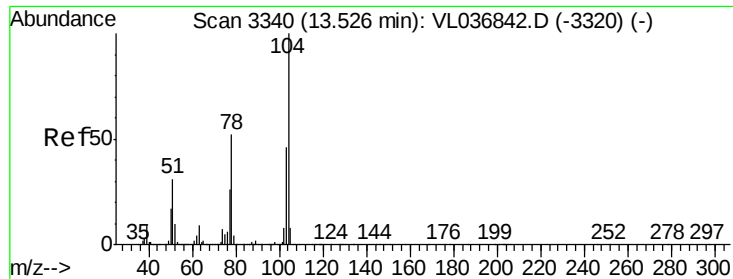
Tot Ion: 91 Resp: 4613990
Ion Ratio Lower Upper
91 100
106 82.8 35.8 53.6#



#60
o-Xylene
Concen: 7.993 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion: 91 Resp: 4000847
Ion Ratio Lower Upper
91 100
106 45.3 22.6 67.7





#61

Stvrene

Concen: 9.673 ppbv

RT: 13.55 min Scan# 3346

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

ClientSampleId :

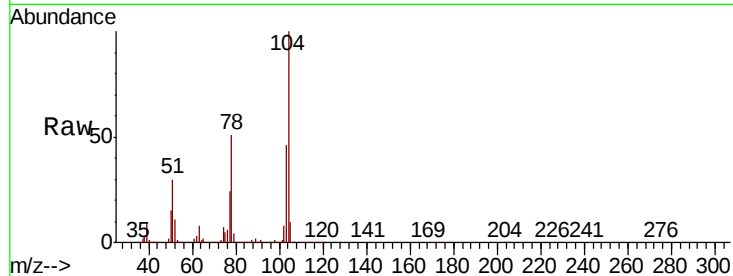
Tot Ion:104 Resp: 2273810

Ion Ratio Lower Upper

104 100

78 53.6 42.6 64.0

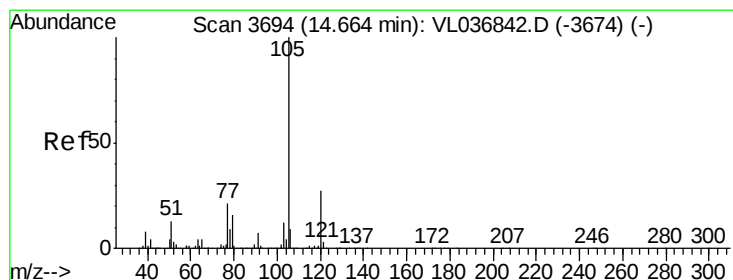
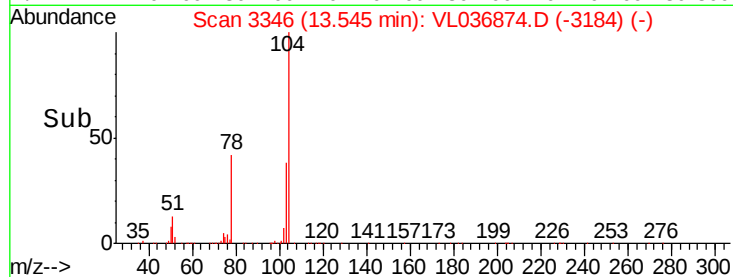
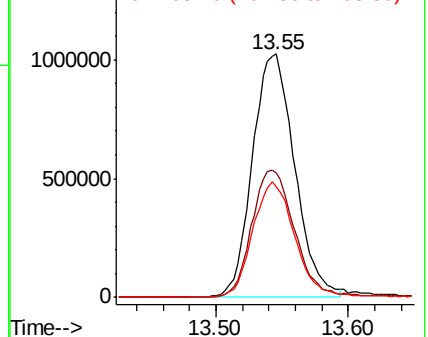
103 47.4 38.1 57.1



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: 7.976 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. 0.02 min

Lab File: VL036874.D

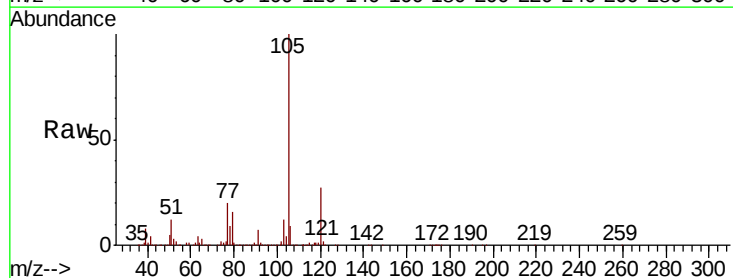
Acq: 28 Apr 2021 9:43

Tgt Ion:105 Resp: 5432279

Ion Ratio Lower Upper

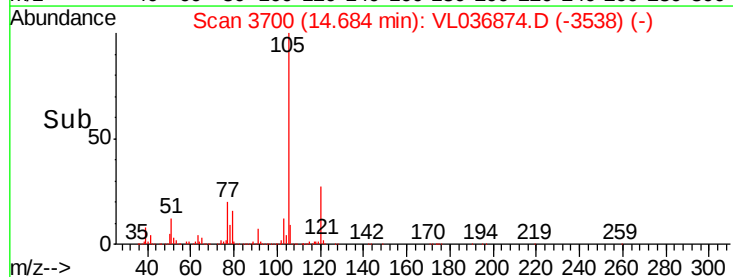
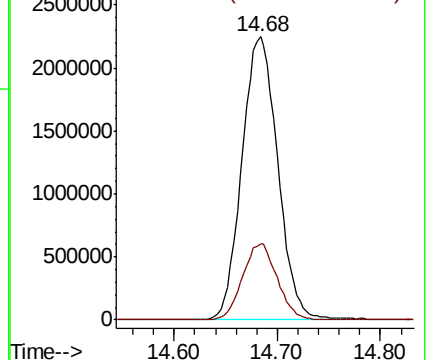
105 100

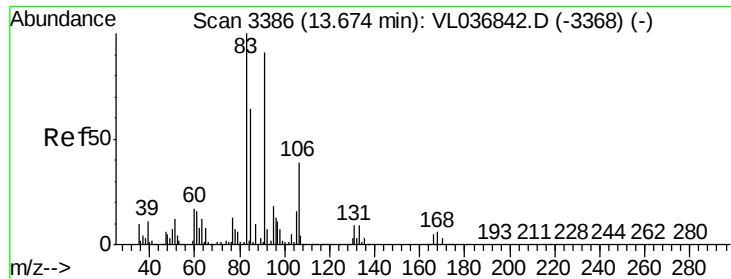
120 26.1 21.1 31.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

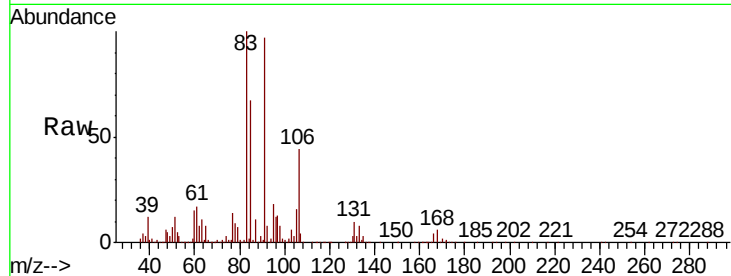




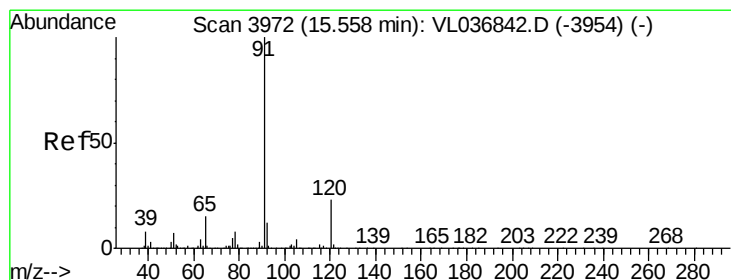
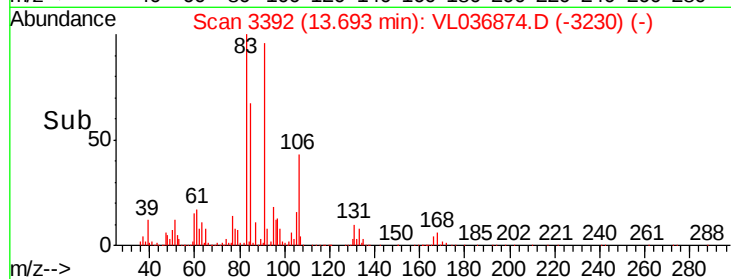
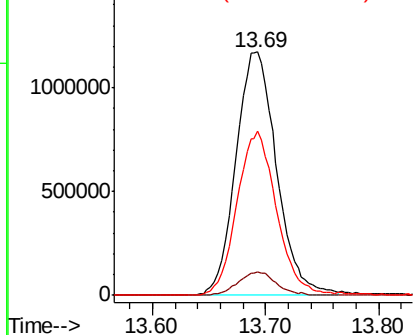
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.314 ppbv
 RT: 13.69 min Scan# 3392
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 83 Resp: 2934775
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.8 14.3
 85 66.0 32.8 98.4

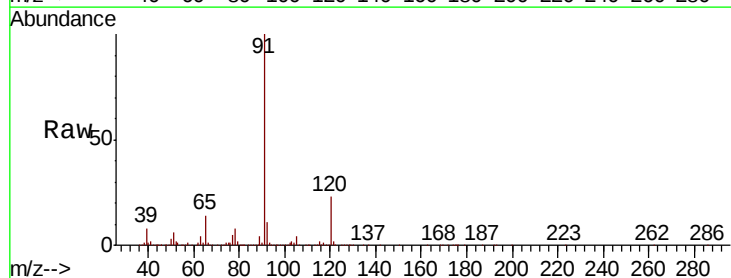


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0

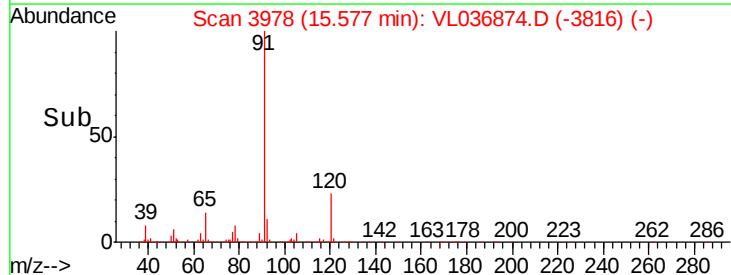
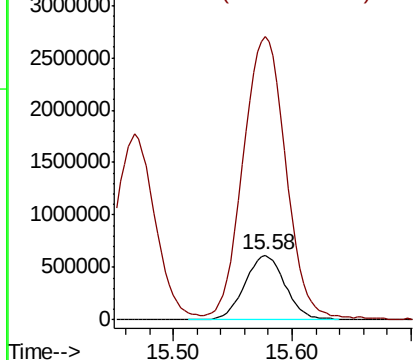


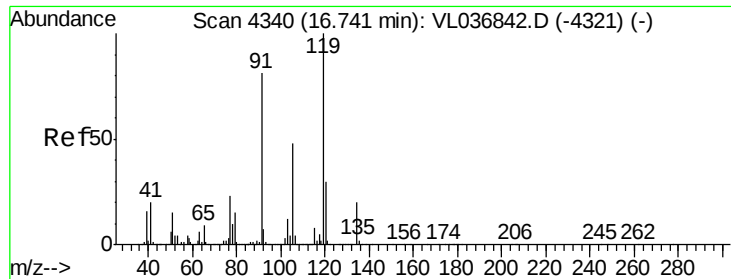
#64
 n-propylbenzene
 Concen: 8.485 ppbv
 RT: 15.58 min Scan# 3978
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion:120 Resp: 1440208
 Ion Ratio Lower Upper
 120 100
 91 471.6 378.6 567.8



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

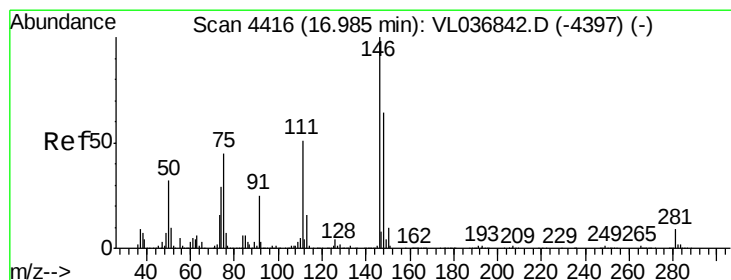
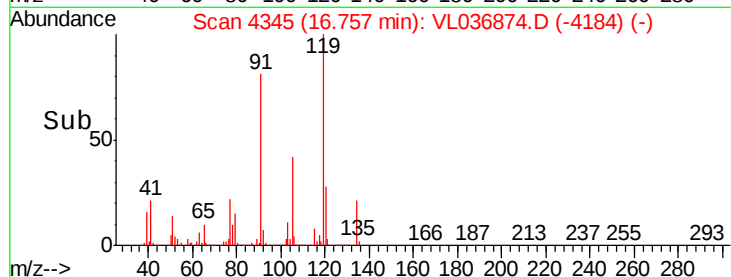
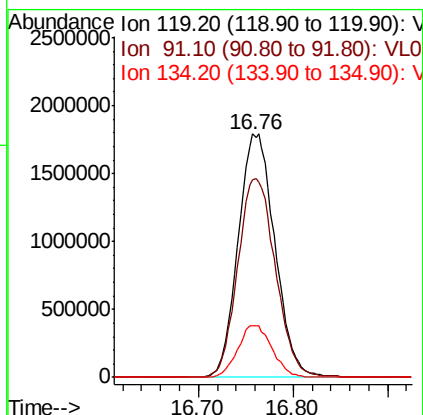
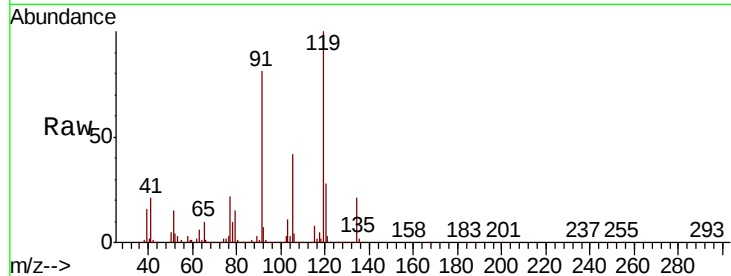




#65
tert-Butylbenzene
Concen: 8.000 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

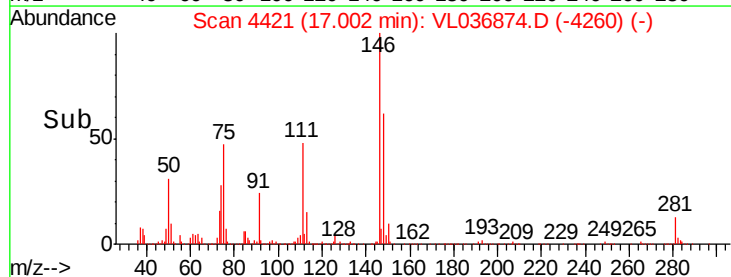
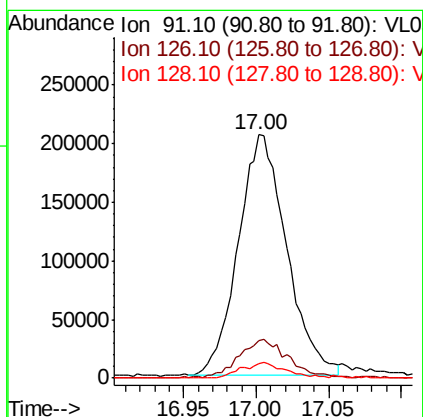
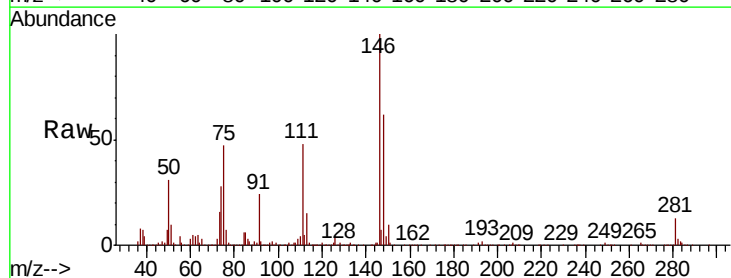
Instrument :
MSVOA_L
ClientSampleId :

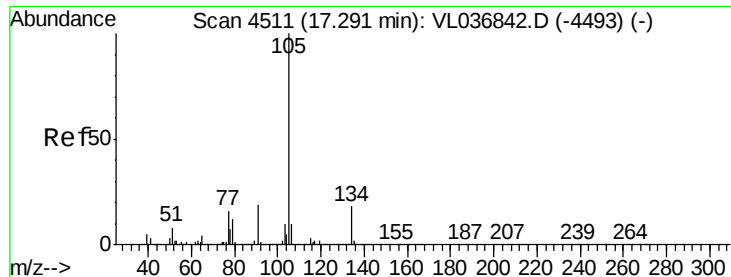
Tot Ion:119 Resp: 4817404
Ion Ratio Lower Upper
119 100
91 84.1 67.0 100.6
134 20.0 15.8 23.6



#66
Benzyl Chloride
Concen: 8.052 ppbv
RT: 17.00 min Scan# 4421
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion: 91 Resp: 474073
Ion Ratio Lower Upper
91 100
126 16.7 14.1 21.1
128 6.4 4.8 7.2





#67

sec-Butylbenzene

Concen: 8.038 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

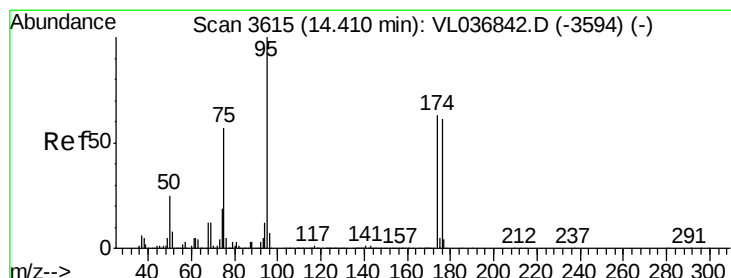
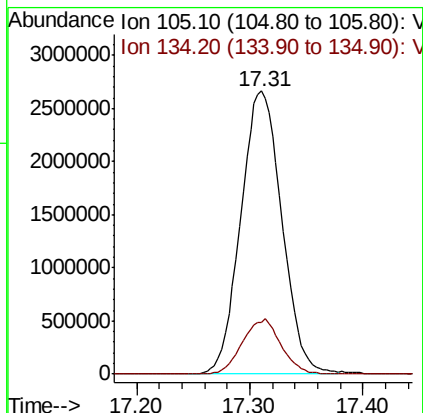
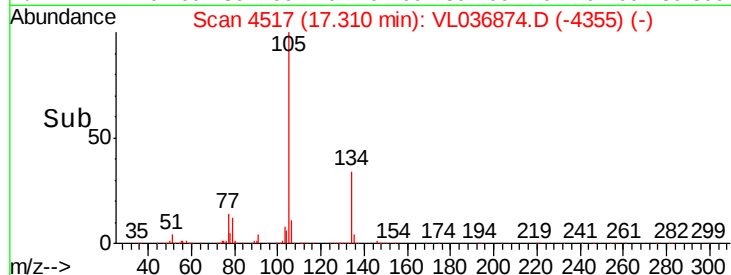
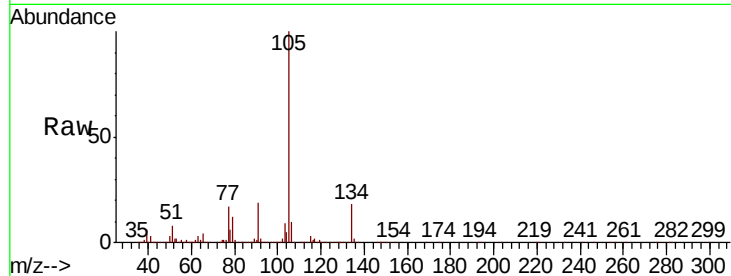
ClientSampleId :

Tot Ion:105 Resp: 6720869

Ion Ratio Lower Upper

105 100

134 18.5 14.8 22.2



#68

1-Bromo-4-Fluorobenzene

Concen: 8.327 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

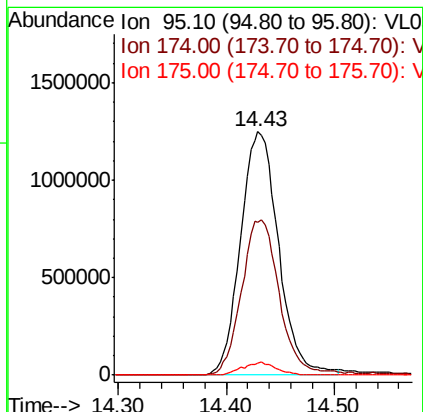
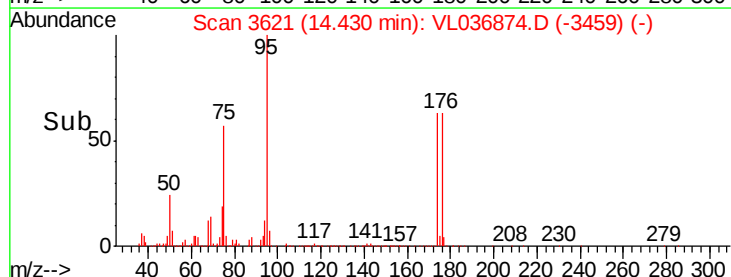
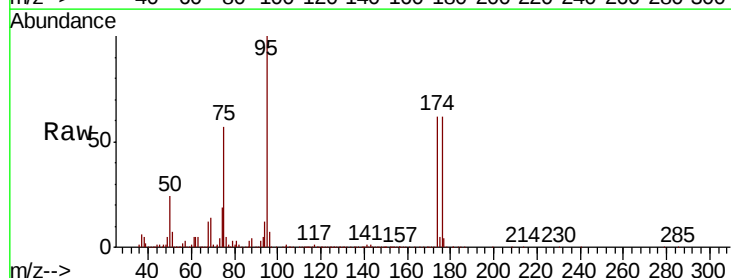
Tgt Ion: 95 Resp: 3052413

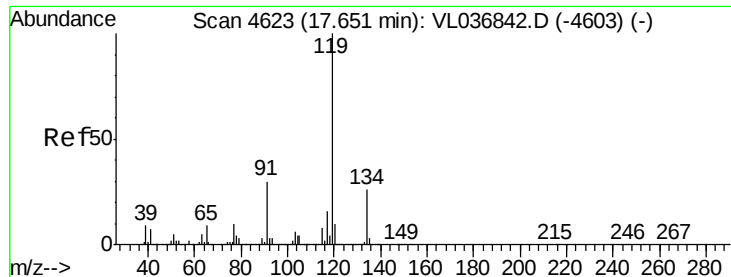
Ion Ratio Lower Upper

95 100

174 64.9 52.2 78.2

175 5.0 4.0 6.0



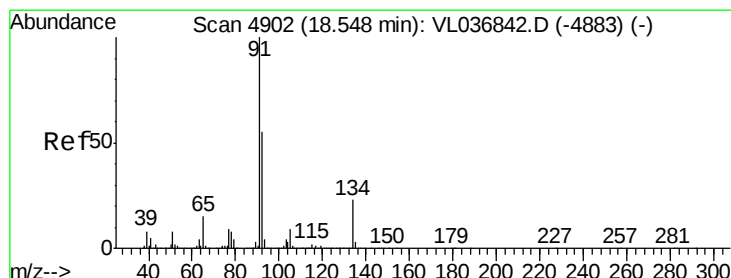
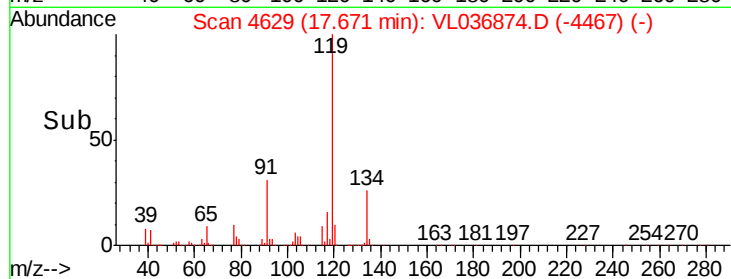
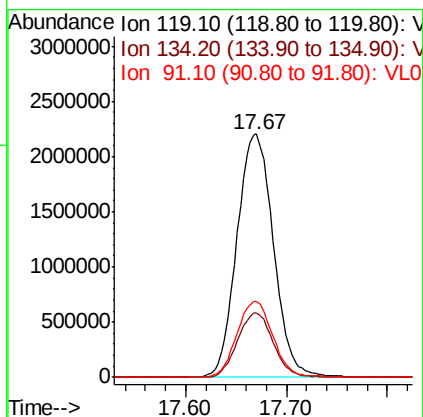
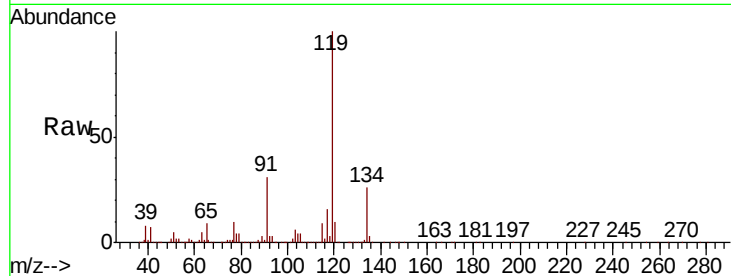


#69
 p-Isopropyltoluene
 Concen: 8.247 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:119 Resp: 5528126

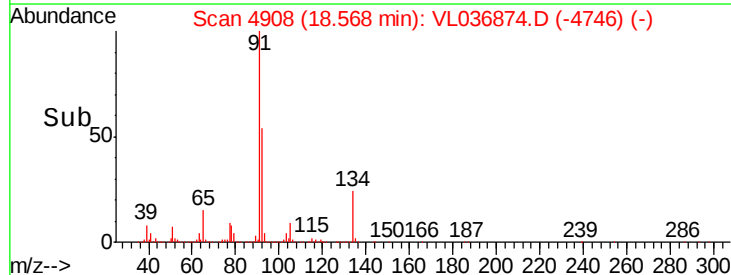
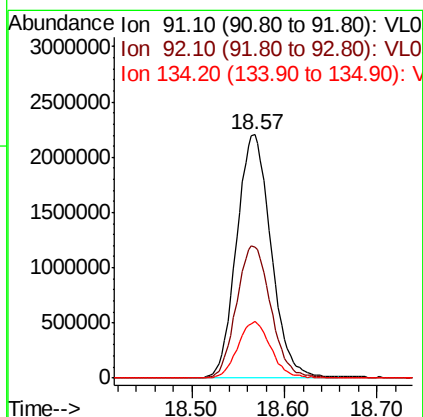
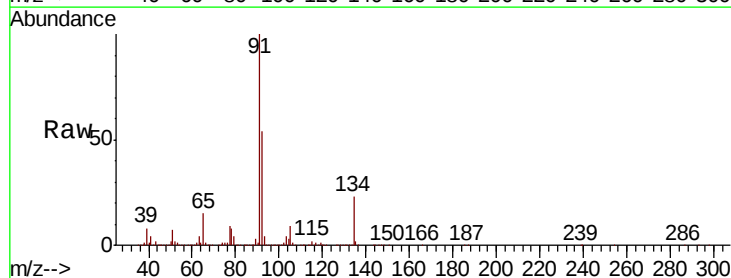
Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.6	31.0
91	30.8	24.2	36.4

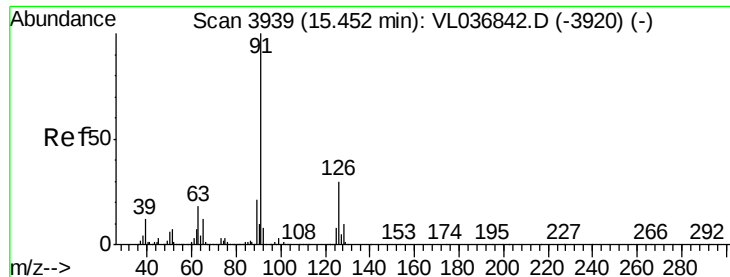


#70
 n-Butylbenzene
 Concen: 8.402 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Tgt Ion: 91 Resp: 5676598

Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.5	65.3
134	22.5	18.2	27.4





#71

2-Chlorotoluene

Concen: 8.254 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

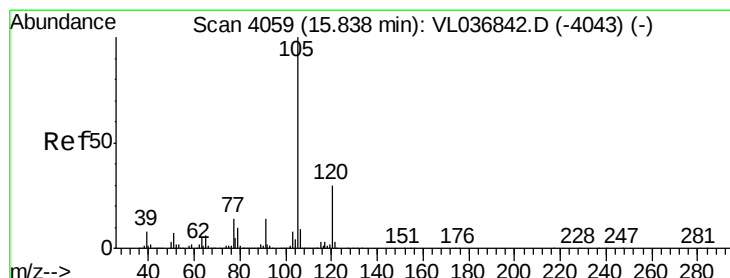
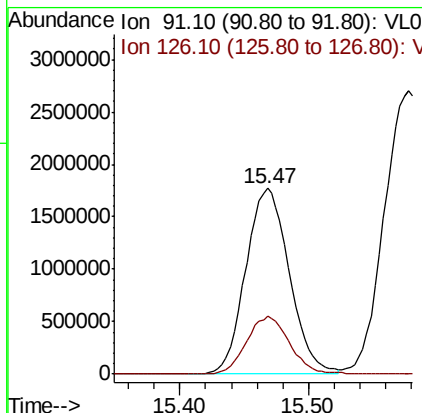
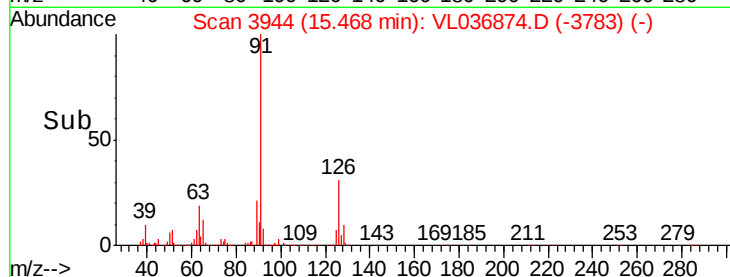
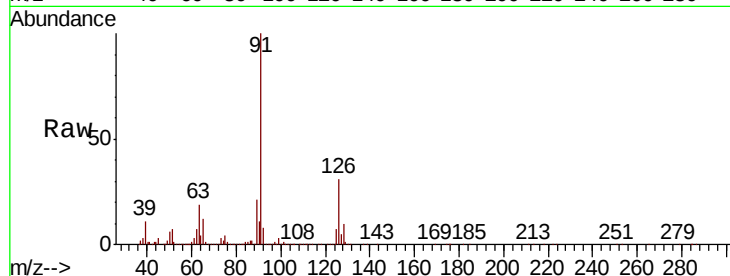
ClientSampleId :

Tot Ion: 91 Resp: 4163258

Ion Ratio Lower Upper

91 100

126 31.1 12.3 49.3



#72

4-Ethyltoluene

Concen: 8.681 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Tgt Ion:105 Resp: 4664117

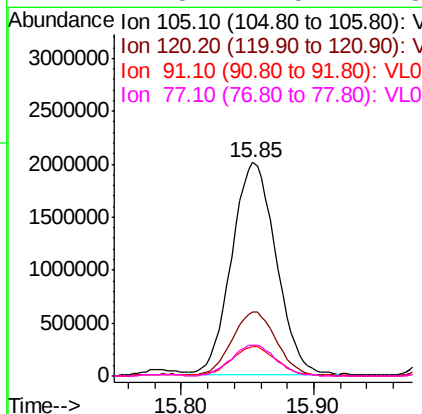
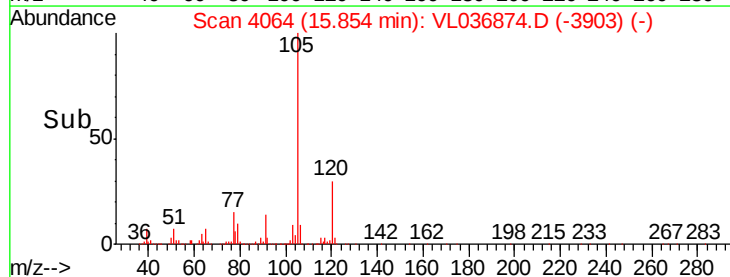
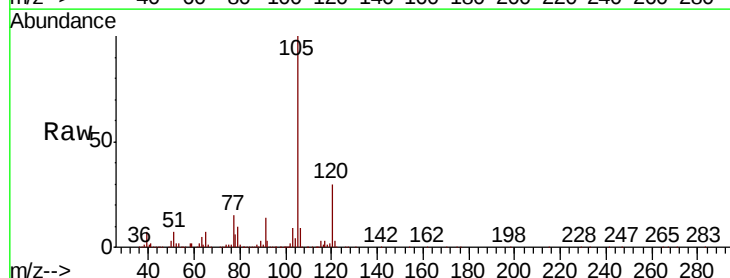
Ion Ratio Lower Upper

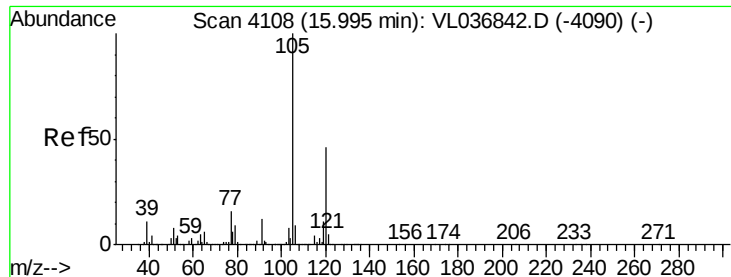
105 100

120 31.2 23.8 35.6

91 15.1 10.7 16.1

77 14.8 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 8.238 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

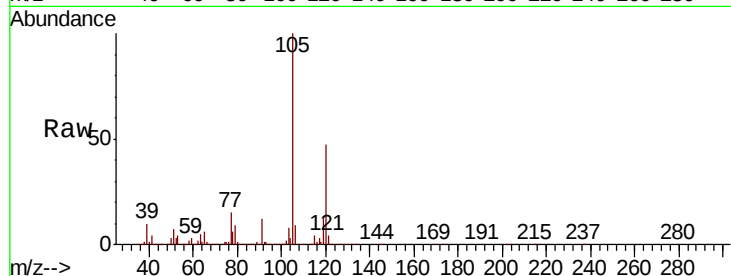
ClientSampleId :

Tot Ion:105 Resp: 4292479

Ion Ratio Lower Upper

105 100

120 46.6 36.8 55.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.01

2000000

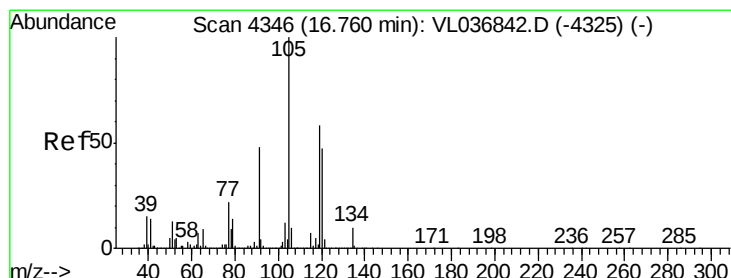
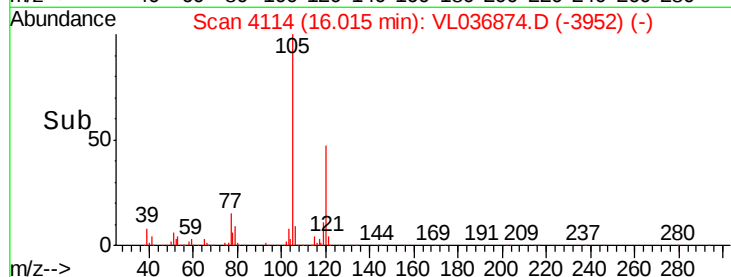
1500000

1000000

500000

0

Time--> 15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 8.037 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Tgt Ion:105 Resp: 4448290

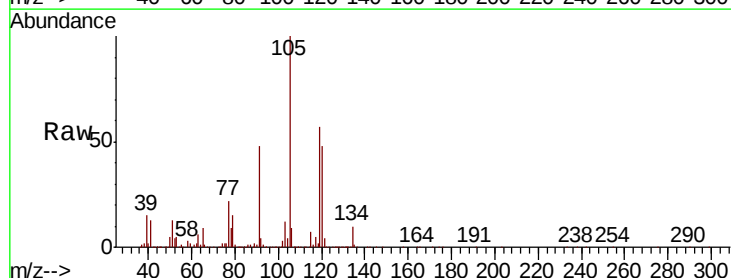
Ion Ratio Lower Upper

105 100

120 48.4 37.6 56.4

91 48.0 39.0 58.4

77 21.6 17.4 26.0



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

2500000

2000000

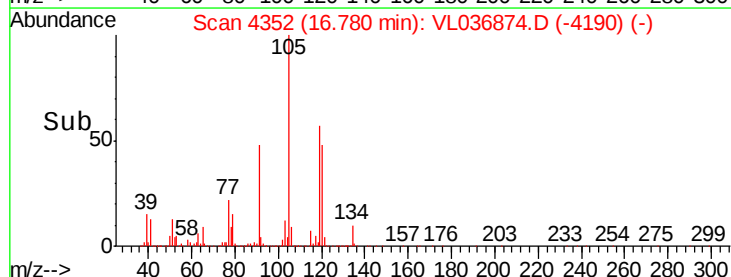
1500000

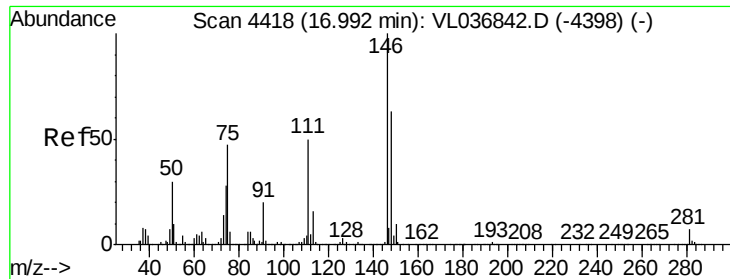
1000000

500000

0

Time--> 16.70 16.80 16.90





#75

1,3-Dichlorobenzene

Concen: 7.888 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

ClientSampleId :

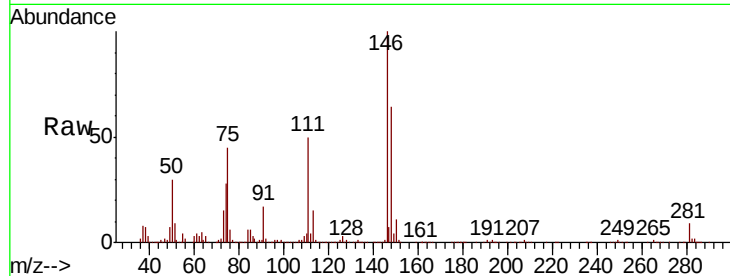
Tot Ion:146 Resp: 2580655

Ion Ratio Lower Upper

146 100

111 48.2 24.2 72.6

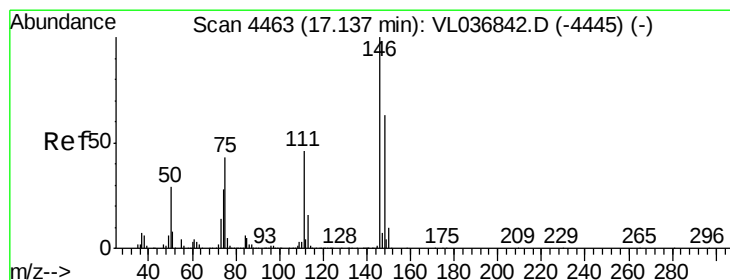
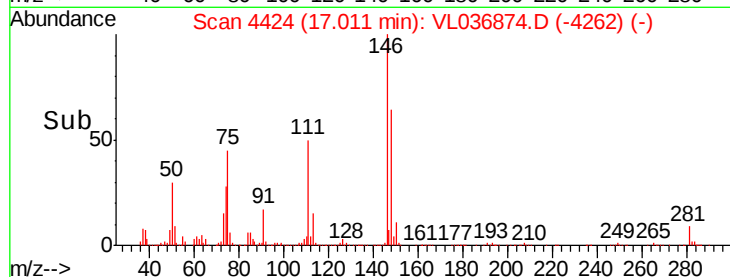
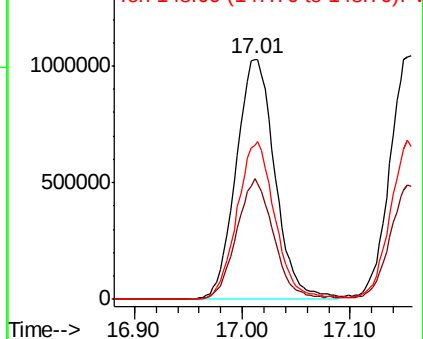
148 63.9 32.1 96.3



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: 7.698 ppbv

RT: 17.16 min Scan# 4469

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

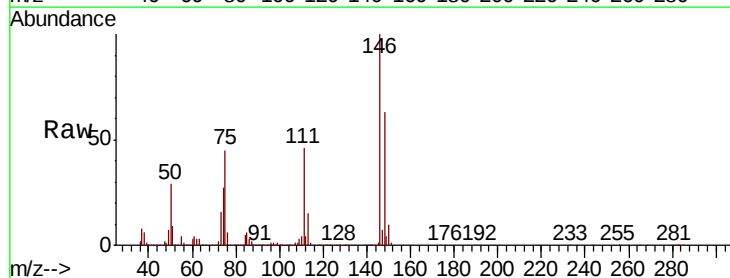
Tgt Ion:146 Resp: 2464777

Ion Ratio Lower Upper

146 100

111 47.8 24.3 72.8

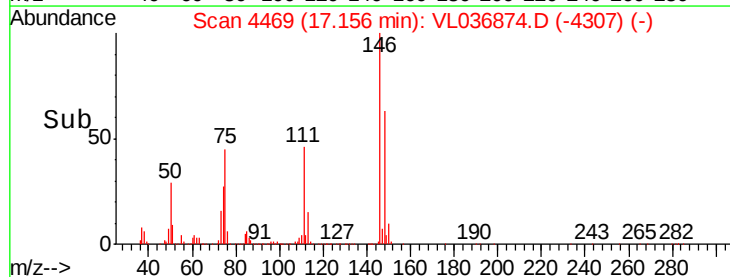
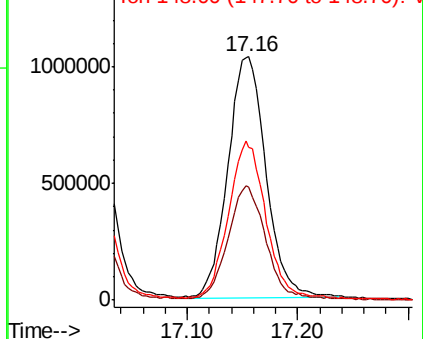
148 66.3 32.4 97.0

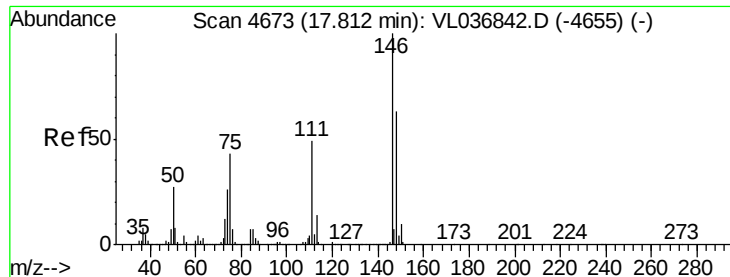


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.692 ppbv

RT: 17.83 min Scan# 4680

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

Instrument :

MSVOA_L

ClientSampleId :

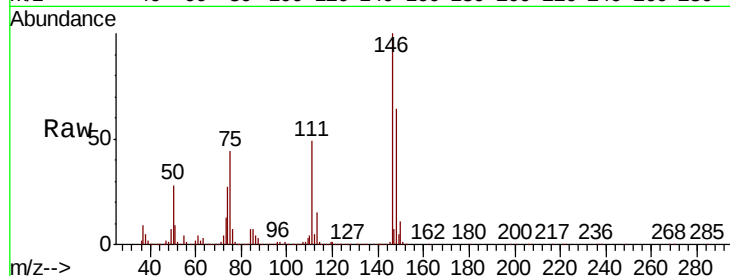
Tot Ion:146 Resp: 2458119

Ion Ratio Lower Upper

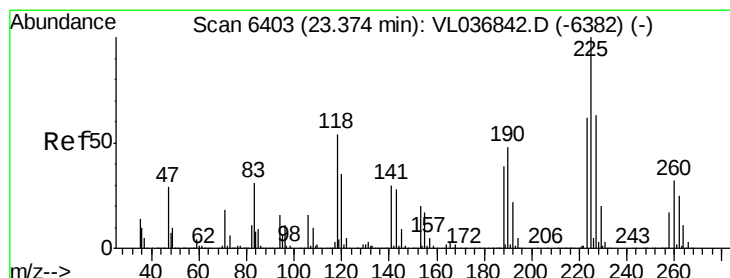
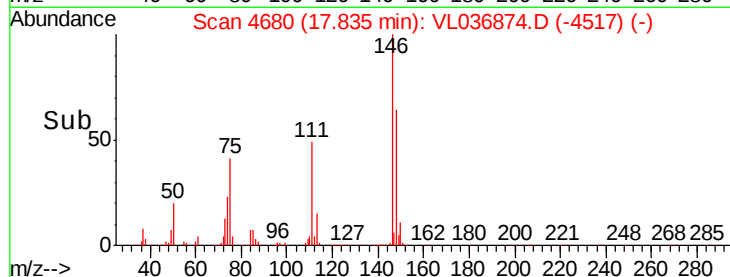
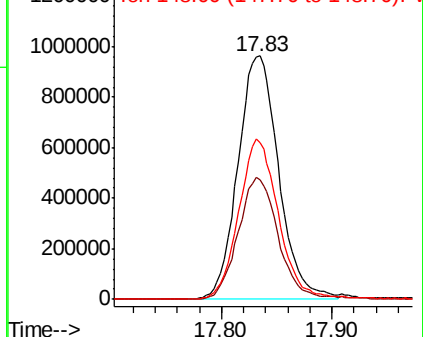
146 100

111 49.5 25.0 75.0

148 64.5 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



#78

Hexachloro-1,3-Butadiene

Concen: 6.508 ppbv

RT: 23.39 min Scan# 6409

Delta R.T. 0.02 min

Lab File: VL036874.D

Acq: 28 Apr 2021 9:43

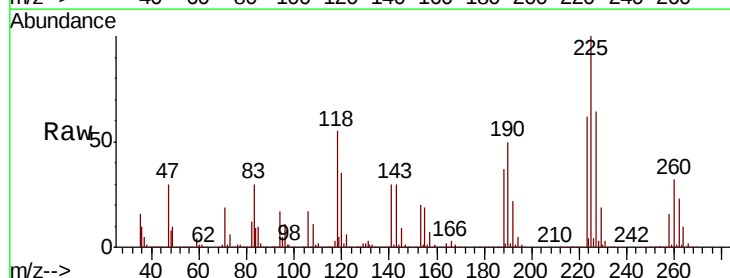
Tgt Ion:225 Resp: 1767076

Ion Ratio Lower Upper

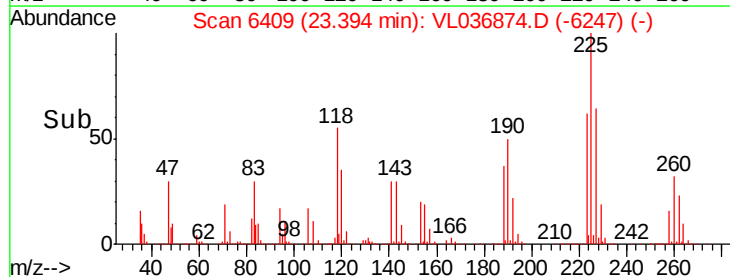
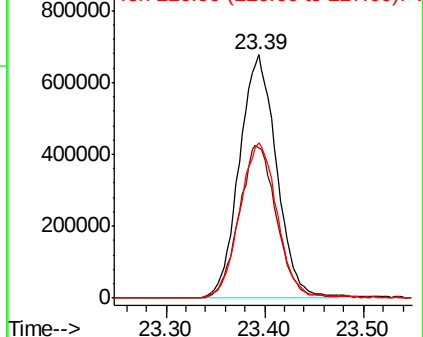
225 100

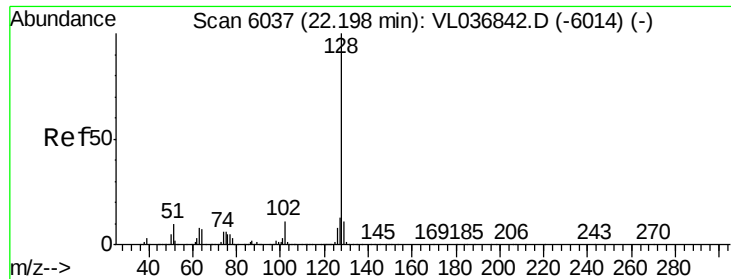
223 63.5 51.2 76.8

227 65.0 51.8 77.6



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

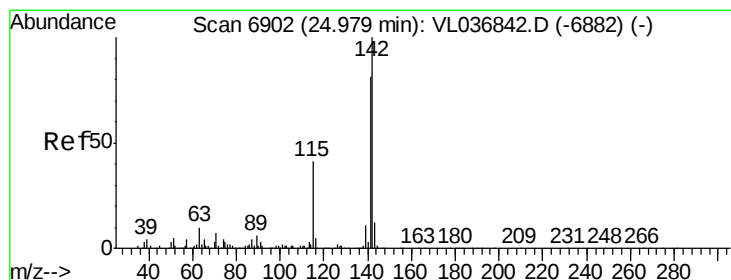
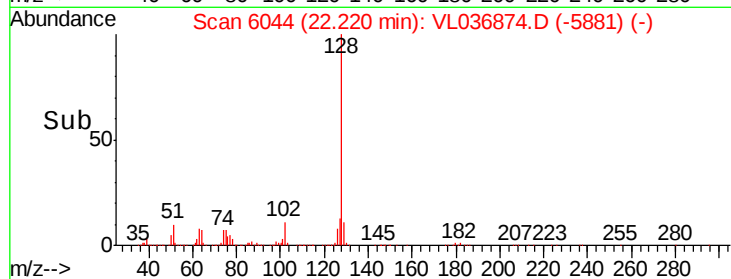
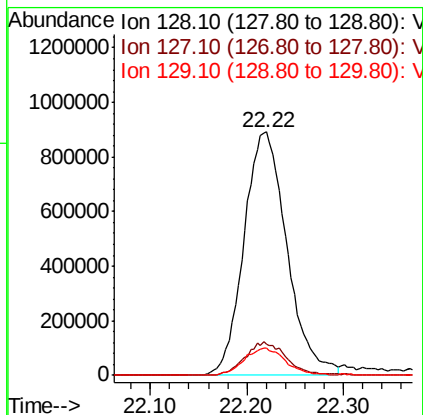
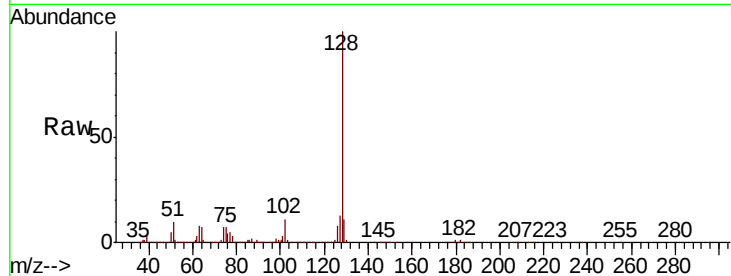




#79
Naphthalene
Concen: 8.879 ppbv
RT: 22.22 min Scan# 6044
Delta R.T. 0.02 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

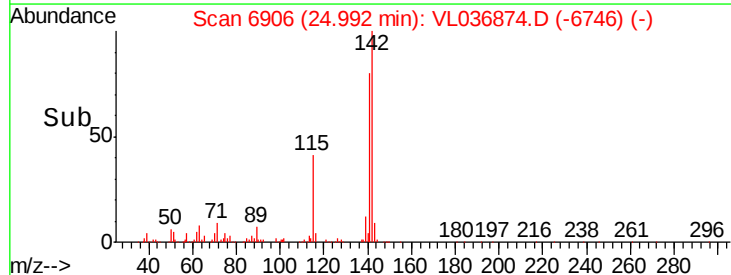
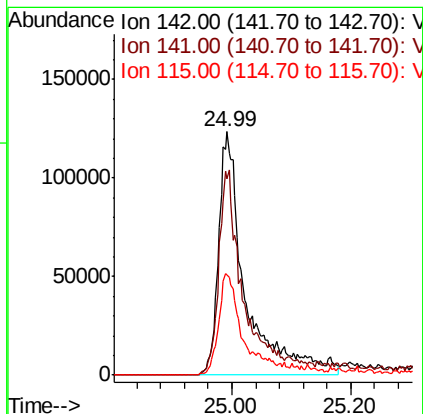
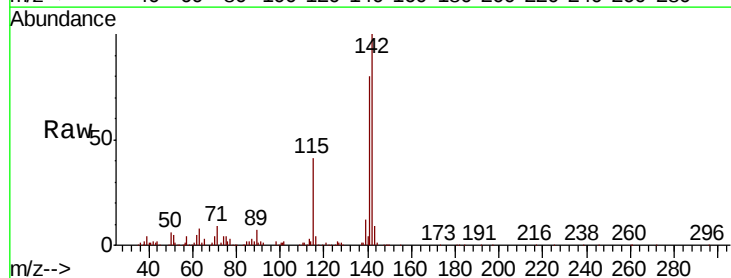
Instrument :
MSVOA_L
ClientSampleId :

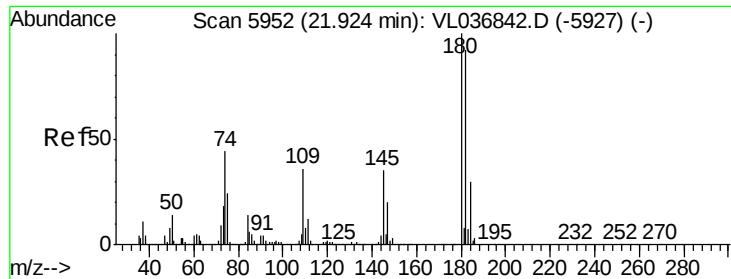
Tot Ion:128 Resp: 2752216
Ion Ratio Lower Upper
128 100
127 12.6 10.6 15.8
129 11.0 9.0 13.4



#80
Naphthalene, 2-methyl-
Concen: 11.376 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. 0.01 min
Lab File: VL036874.D
Acq: 28 Apr 2021 9:43

Tgt Ion:142 Resp: 388855
Ion Ratio Lower Upper
142 100
141 79.3 62.6 93.8
115 37.7 32.0 48.0

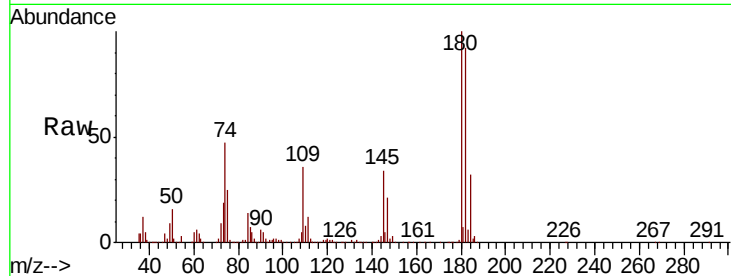




#81
 1,2,4-Trichlorobenzene
 Concen: 8.039 ppbv
 RT: 21.94 min Scan# 5958
 Delta R.T. 0.02 min
 Lab File: VL036874.D
 Acq: 28 Apr 2021 9:43

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1611784
 Ion Ratio Lower Upper
 180 100
 182 97.8 80.9 121.3
 184 31.4 25.3 37.9



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

