

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040621\
 Data File : VL036701.D
 Acq On : 6 Apr 2021 15:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Apr 07 04:25:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1263749	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3210769	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3025131	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2498864	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2128668	10.327 ppbv	99
3) Chlorodifluoromethane	2.99	51	2345270	9.933 ppbv	100
4) Chloromethane	3.14	50	821211	9.847 ppbv	98
5) Vinyl Chloride	3.26	62	813946	9.492 ppbv	100
6) Bromomethane	3.47	94	464852	9.846 ppbv	95
7) Chloroethane	3.56	64	276735	9.391 ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	1887676	9.595 ppbv	96
9) Propene	3.01	41	755634	10.039 ppbv	97
10) Heptane	8.13	43	1995900	10.408 ppbv	99
11) Trichlorofluoromethane	3.95	101	1968927	9.373 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1285469	9.571 ppbv	100
13) Ethanol	3.61	45	75563	8.430 ppbv	91
14) Bromoethene	3.74	108	539958	9.671 ppbv	99
15) Acetone	3.85	43	1115831	8.971 ppbv	100
16) 1,3-Butadiene	3.33	39	802791	9.271 ppbv	95
17) tert-Butyl alcohol	4.30	59	1122644	10.368 ppbv	99
18) 1,1-Dichloroethene	4.29	96	568177	9.511 ppbv	96
19) Isopropyl Alcohol	3.97	45	652857	9.542 ppbv	# 98
20) Methylene Chloride	4.35	84	496458	8.525 ppbv	93
21) Allyl Chloride	4.42	41	952580	9.607 ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	536517	9.687 ppbv	97
23) Vinyl Acetate	5.08	43	2056921	9.668 ppbv	99
24) 1,1-Dichloroethane	5.02	63	1540784	9.935 ppbv	100
25) Ethyl Acetate	5.68	43	2987451	10.103 ppbv	100
26) Hexane	5.69	57	1410672	10.280 ppbv	99
27) Carbon Disulfide	4.56	76	1364312	10.092 ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1636936	10.115 ppbv	99
29) Chloroform	5.76	83	2219383	10.113 ppbv	100
30) Cyclohexane	7.14	84	1187538	10.670 ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1363692	10.274 ppbv	95
32) 1,1,1-Trichloroethane	6.52	97	2225015	10.060 ppbv	99
34) 2-Butanone	5.25	43	1484207	9.470 ppbv	98
35) Carbon Tetrachloride	7.02	117	2362504	9.580 ppbv	99
36) Benzene	6.90	78	2916668	9.850 ppbv	98
37) 1,2-Dichloroethane	6.31	62	1676861	9.621 ppbv	100
38) Trichloroethene	7.85	130	1081668	9.386 ppbv	95
39) 1,2-Dichloropropane	7.62	63	1124946	9.365 ppbv	95
40) 1,4-Dioxane	7.84	88	239362	8.562 ppbv	# 1
41) Tetrahydrofuran	6.06	42	675340	9.345 ppbv	93
42) Bromodichloromethane	7.80	83	2383835	10.056 ppbv	99
43) Methyl Methacrylate	8.02	69	1027932	10.338 ppbv	98

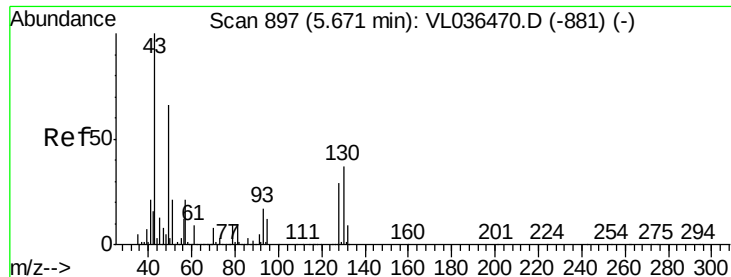
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040621\
 Data File : VL036701.D
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 VSTDCCC010

Quant Time: Apr 07 04:25:48 2021
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 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4943954	9.486	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1210490	10.661	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1527928	10.527	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1199003	9.855	ppbv	97
48) Dibromochloromethane	10.31	129	1961081	10.574	ppbv	98
49) Bromoform	13.05	173	1606471	10.750	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2307487	10.175	ppbv	100
51) 2-Hexanone	10.15	43	544795	4.760	ppbv #	30
52) Tetrachloroethene	11.23	164	1001046	9.180	ppbv	98
53) Toluene	9.82	91	3283745	10.413	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1726773	10.050	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1329032	9.713	ppbv	98
57) Chlorobenzene	12.16	112	2452482	9.528	ppbv	99
58) Ethyl Benzene	12.73	91	4452657	10.117	ppbv	99
59) m/p-Xylene	13.01	91	3924609	10.224	ppbv #	36
60) o-Xylene	13.71	91	3578132	9.640	ppbv	99
61) Styrene	13.54	104	2095076	11.219	ppbv	99
62) Isopropylbenzene	14.68	105	4823857	9.651	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2575700	9.097	ppbv	99
64) n-propylbenzene	15.57	120	1267483	10.372	ppbv	100
65) tert-Butylbenzene	16.76	119	4211350	9.716	ppbv	100
66) Benzyl Chloride	17.01	91	183157	3.823	ppbv #	64
67) sec-Butylbenzene	17.31	105	5970823	9.759	ppbv	99
69) p-Isopropyltoluene	17.67	119	4948810	10.358	ppbv	99
70) n-Butylbenzene	18.57	91	5065848	10.226	ppbv	99
71) 2-Chlorotoluene	15.47	91	3757370	10.032	ppbv	99
72) 4-Ethyltoluene	15.86	105	4214408	10.362	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	3842165	10.121	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	3971733	9.777	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	2292439	10.026	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2213677	9.751	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2173838	10.114	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1637433	8.507	ppbv	100
79) Naphthalene	22.22	128	2586794	10.913	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	493932	10.567	ppbv	97
81) 1,2,4-Trichlorobenzene	21.95	180	1506331	10.292	ppbv	98

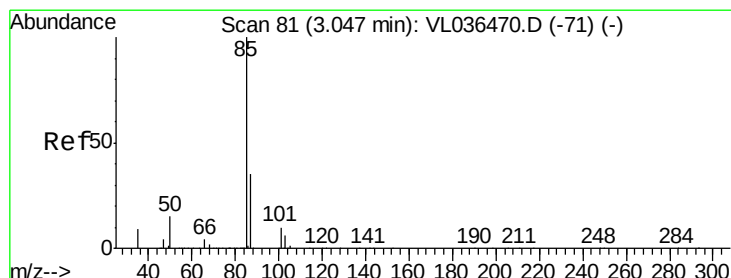
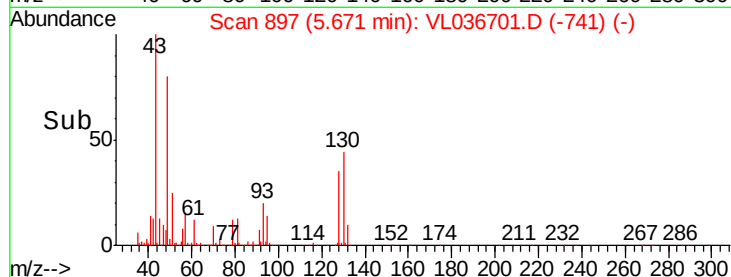
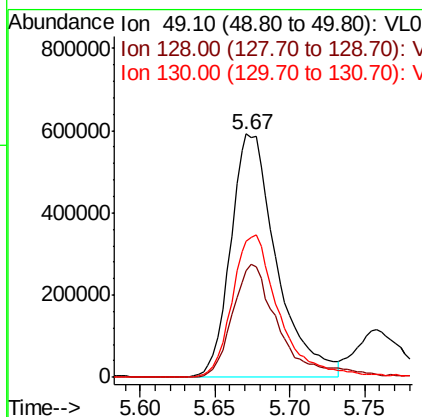
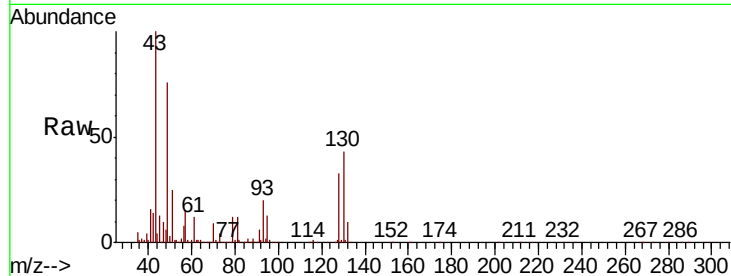
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. 0.00 min
 Lab File: VL036701.D
 Acq: 6 Apr 2021 15:47

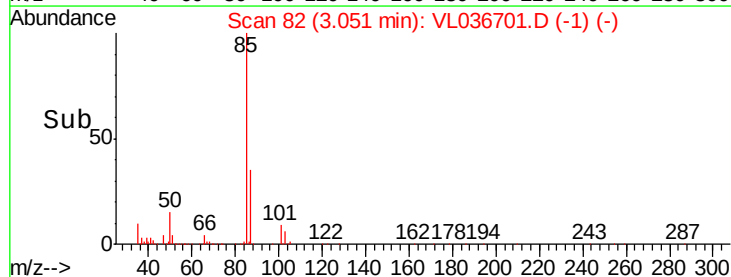
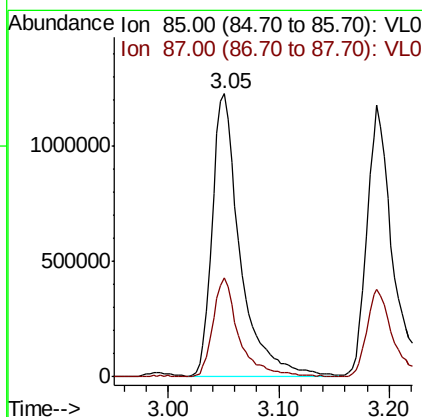
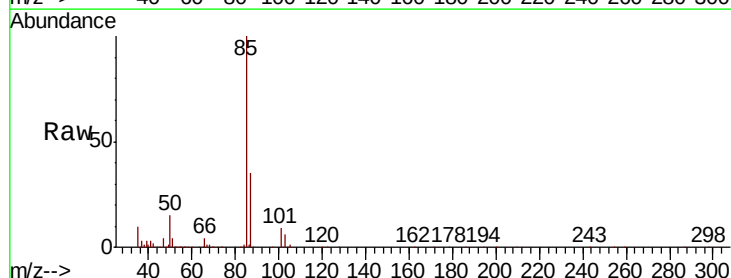
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

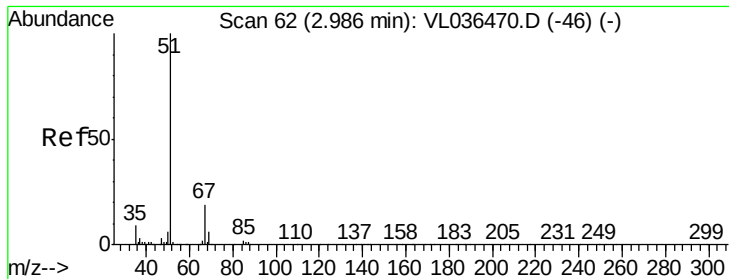
Tot Ion: 49 Resp: 1263749
 Ion Ratio Lower Upper
 49 100
 128 48.8 23.5 70.6
 130 60.5 29.1 87.4



#2
 Dichlorodifluoromethane
 Concen: 10.327 ppbv
 RT: 3.05 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VL036701.D
 Acq: 6 Apr 2021 15:47

Tgt Ion: 85 Resp: 2128668
 Ion Ratio Lower Upper
 85 100
 87 35.1 27.8 41.8





#3

Chlorodifluoromethane

Concen: 9.933 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

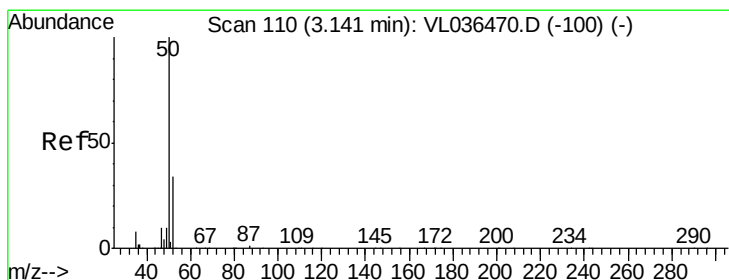
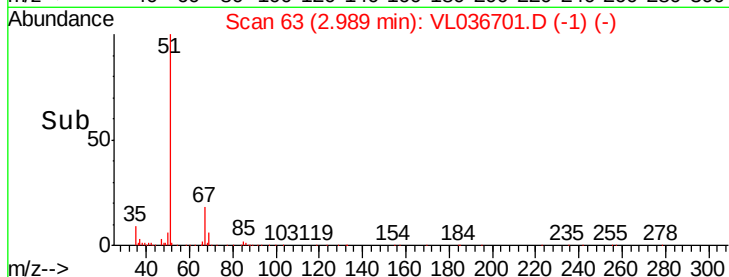
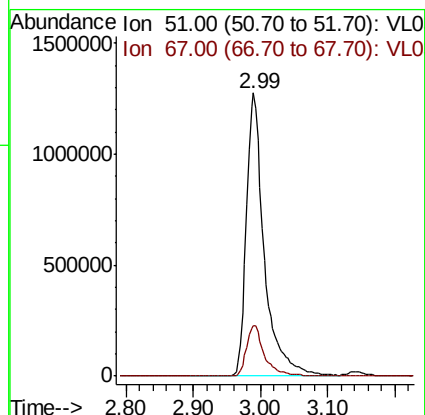
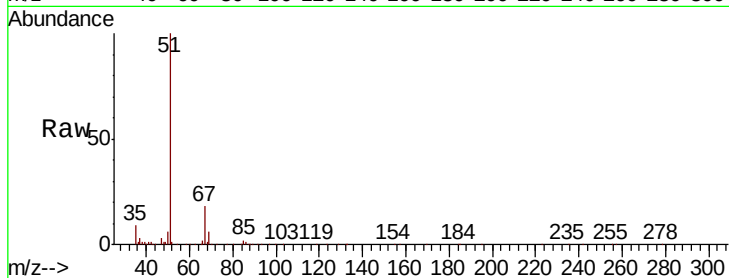
VSTDCCC010

Tot Ion: 51 Resp: 2345270

Ion Ratio Lower Upper

51 100

67 18.2 14.7 22.1



#4

Chloromethane

Concen: 9.847 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL036701.D

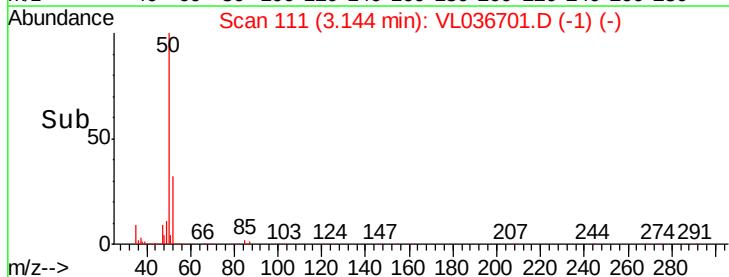
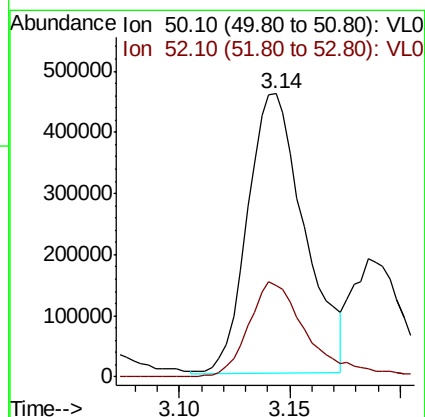
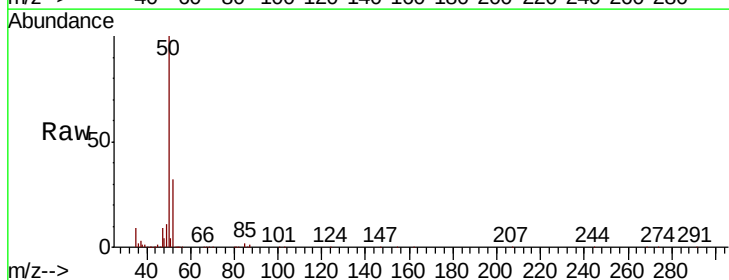
Acq: 6 Apr 2021 15:47

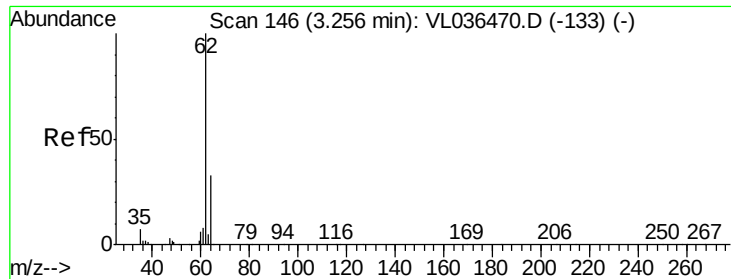
Tgt Ion: 50 Resp: 821211

Ion Ratio Lower Upper

50 100

52 32.7 27.0 40.6





#5

Vinyl Chloride

Concen: 9.492 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

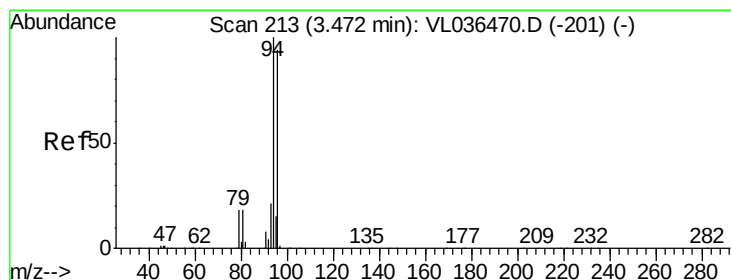
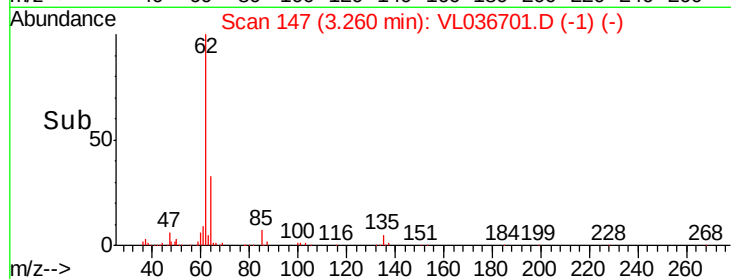
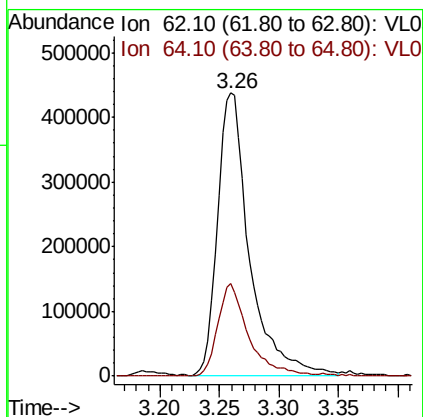
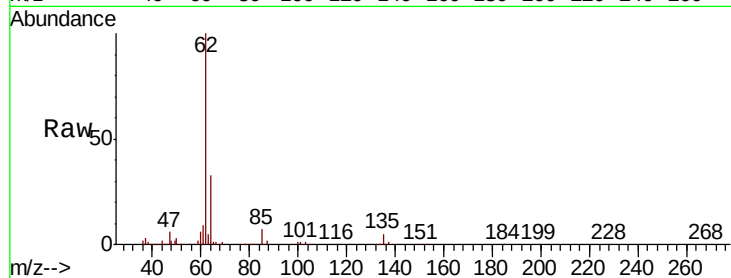
VSTDCCC010

Tot Ion: 62 Resp: 813946

Ion Ratio Lower Upper

62 100

64 32.8 26.4 39.6



#6

Bromomethane

Concen: 9.846 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL036701.D

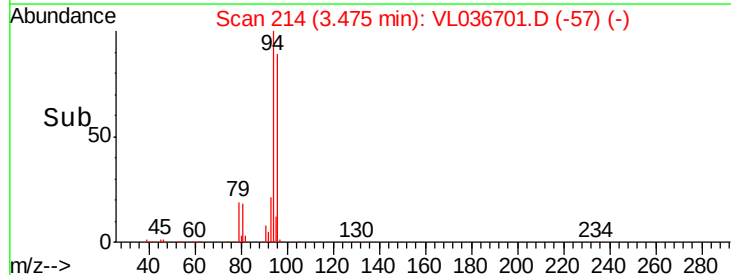
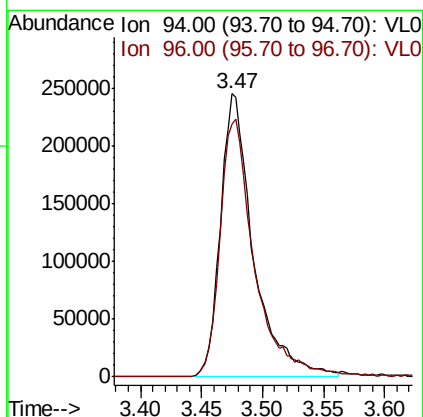
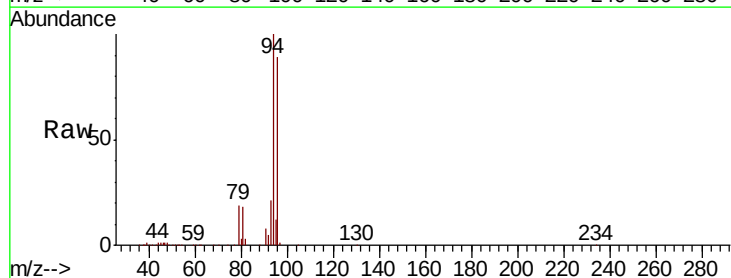
Acq: 6 Apr 2021 15:47

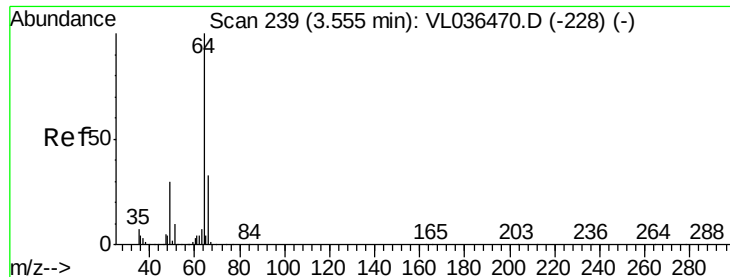
Tgt Ion: 94 Resp: 464852

Ion Ratio Lower Upper

94 100

96 89.2 74.9 112.3





#7

Chloroethane

Concen: 9.391 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

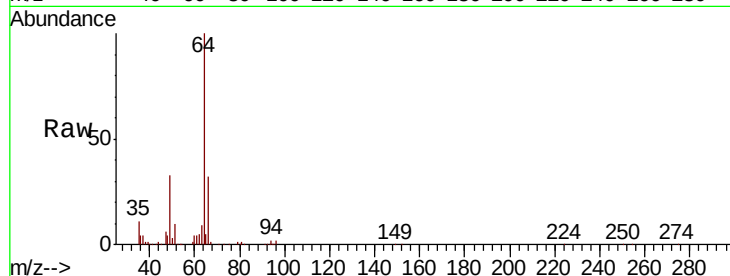
VSTDCCC010

Tot Ion: 64 Resp: 276735

Ion Ratio Lower Upper

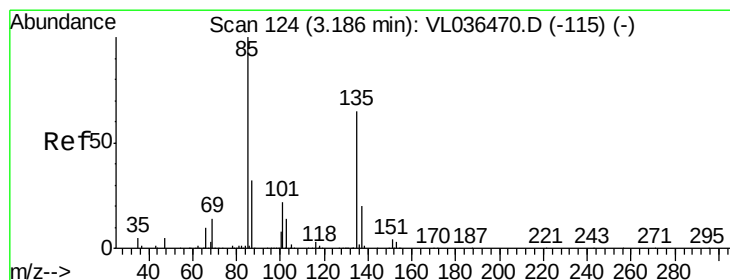
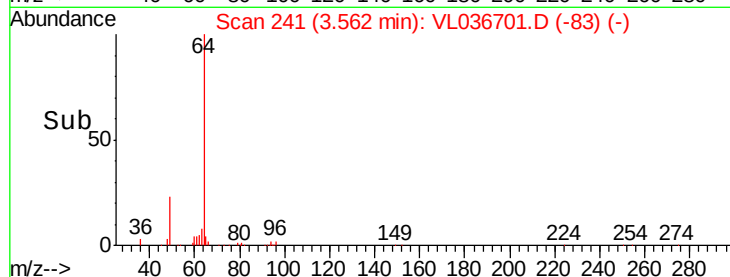
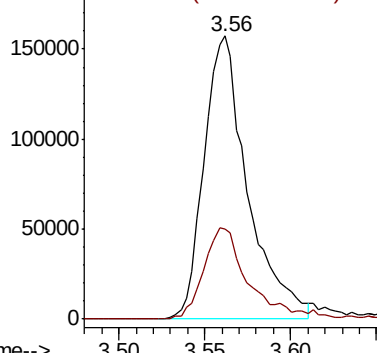
64 100

66 31.9 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.595 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL036701.D

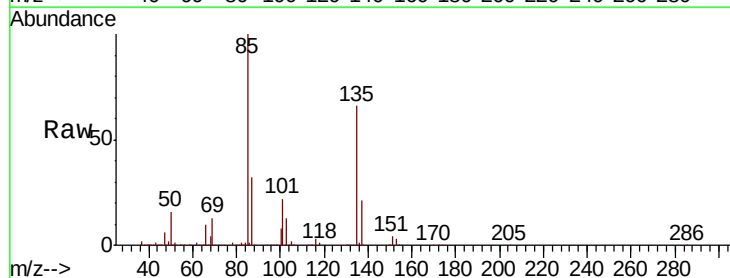
Acq: 6 Apr 2021 15:47

Tgt Ion: 85 Resp: 1887676

Ion Ratio Lower Upper

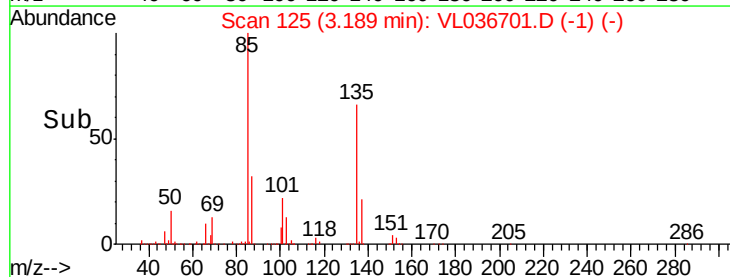
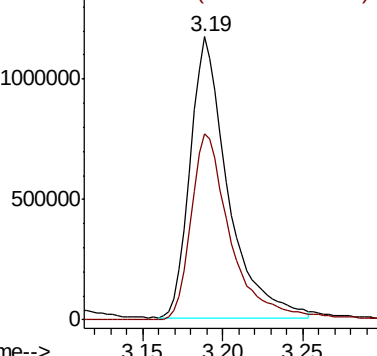
85 100

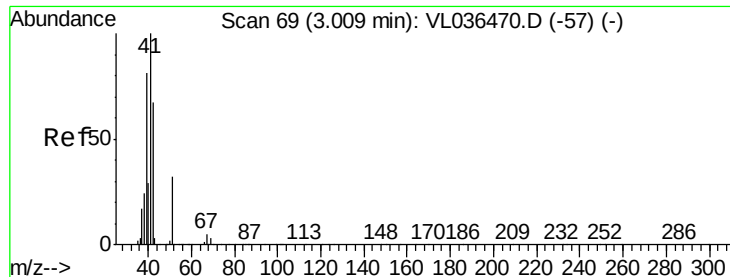
135 71.1 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.039 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

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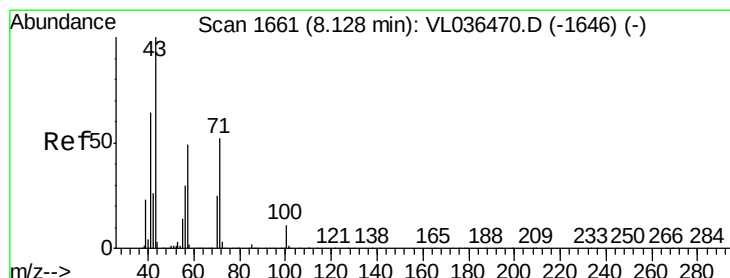
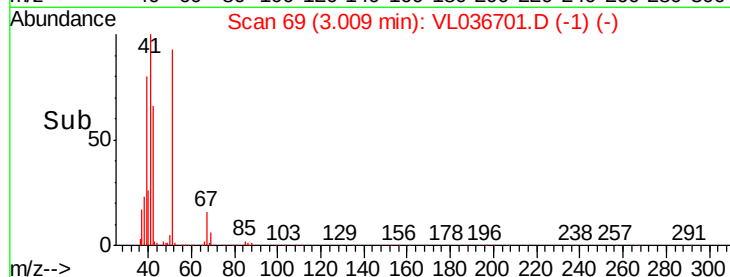
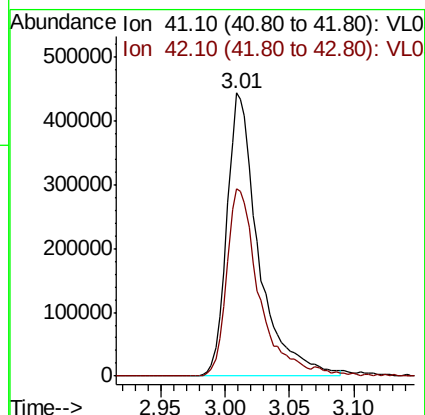
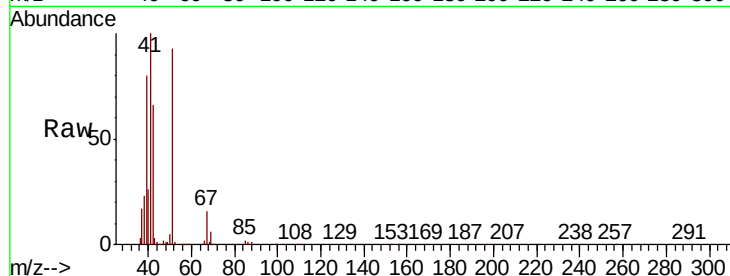
VSTDCCC010

Tot Ion: 41 Resp: 755634

Ion Ratio Lower Upper

41 100

42 69.1 57.0 85.4



#10

Heptane

Concen: 10.408 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL036701.D

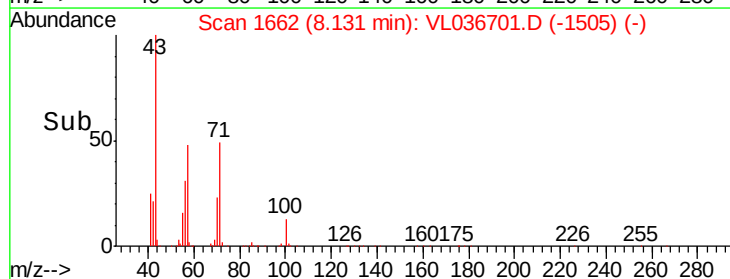
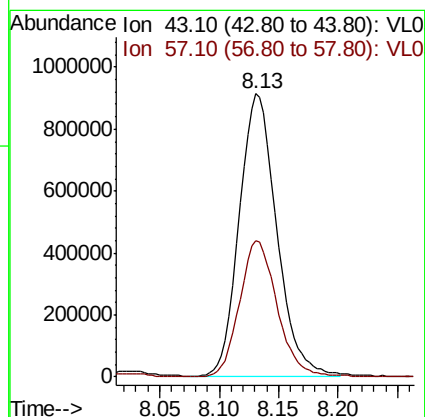
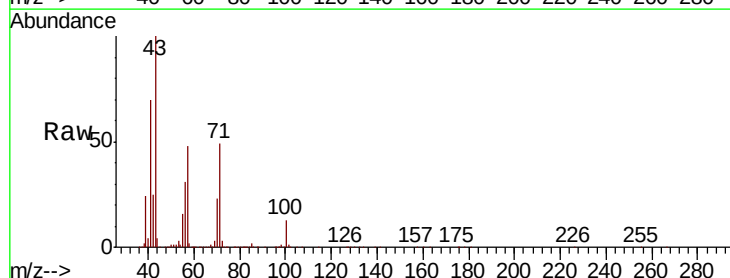
Acq: 6 Apr 2021 15:47

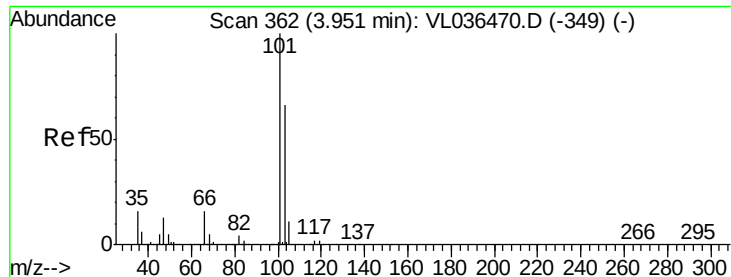
Tgt Ion: 43 Resp: 1995900

Ion Ratio Lower Upper

43 100

57 48.3 39.0 58.6





#11

Trichlorofluoromethane

Concen: 9.373 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

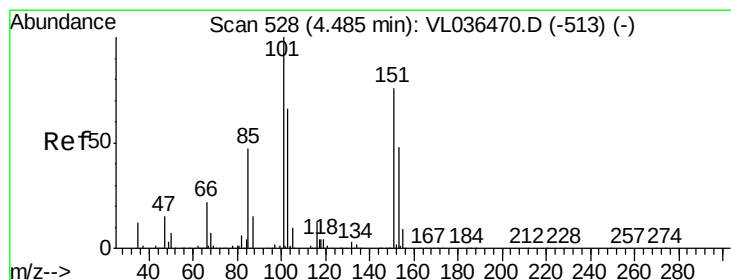
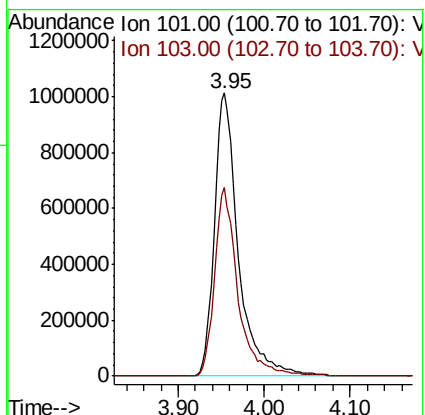
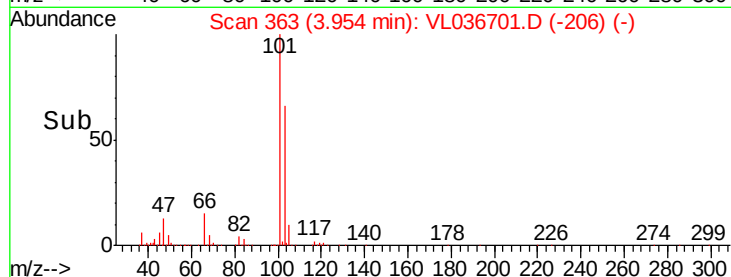
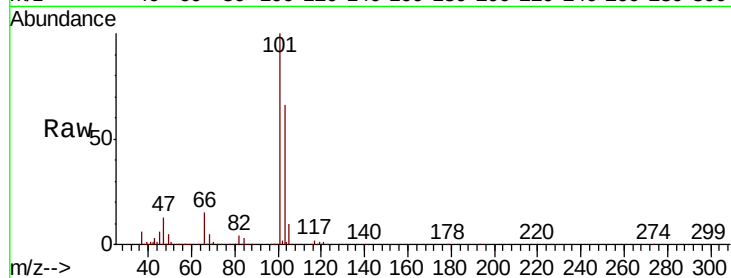
VSTDCCC010

Tot Ion:101 Resp: 1968927

Ion Ratio Lower Upper

101 100

103 66.5 52.5 78.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.571 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL036701.D

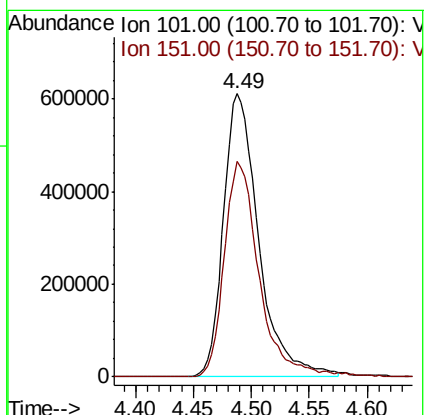
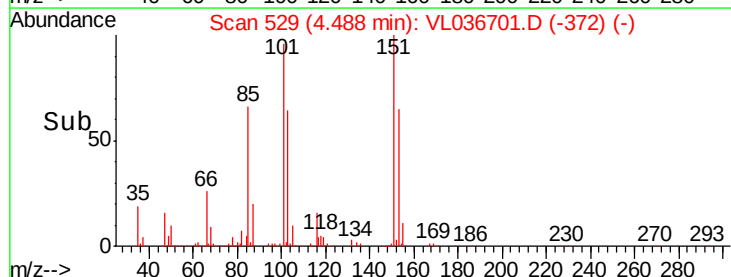
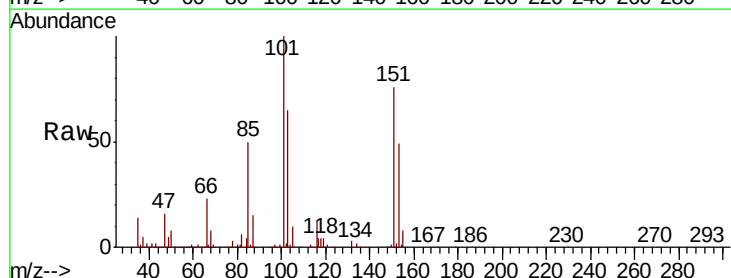
Acq: 6 Apr 2021 15:47

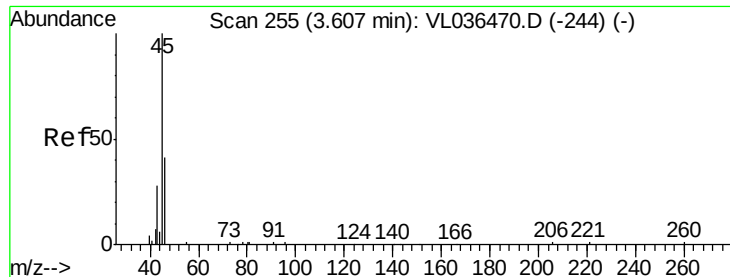
Tgt Ion:101 Resp: 1285469

Ion Ratio Lower Upper

101 100

151 75.9 60.9 91.3





#13

Ethanol

Concen: 8.430 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

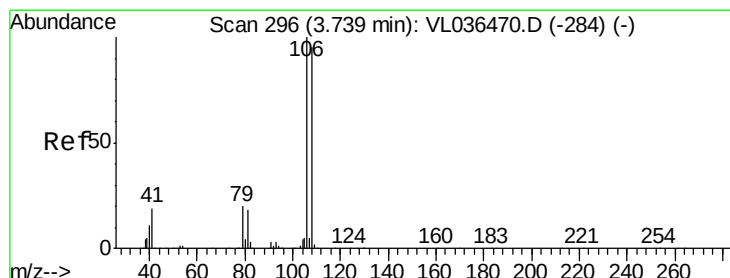
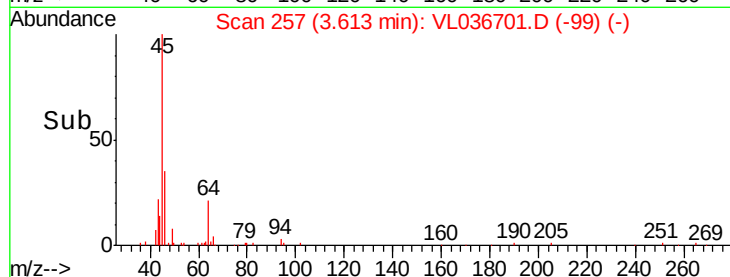
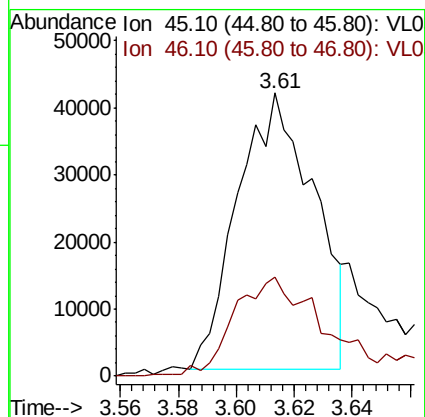
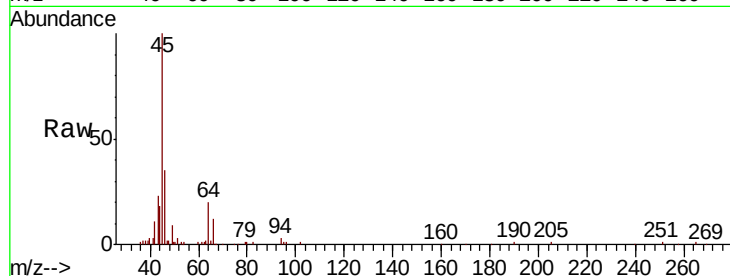
VSTDCCC010

Tot Ion: 45 Resp: 75563

Ion Ratio Lower Upper

45 100

46 46.9 16.6 66.2



#14

Bromoethene

Concen: 9.671 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

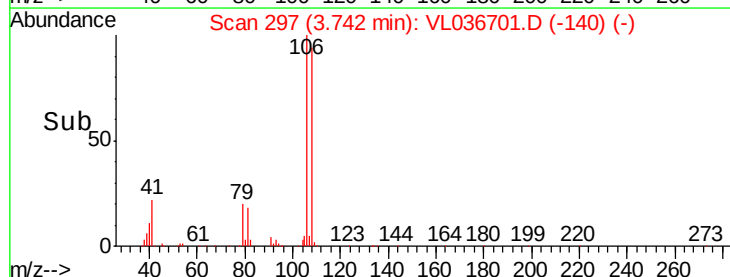
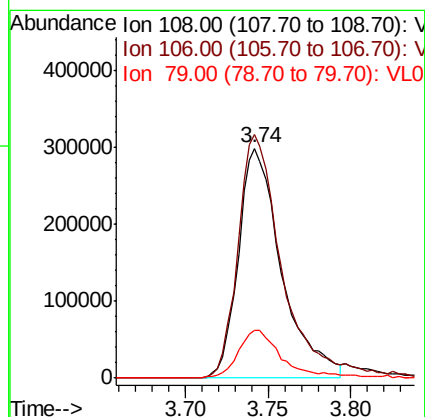
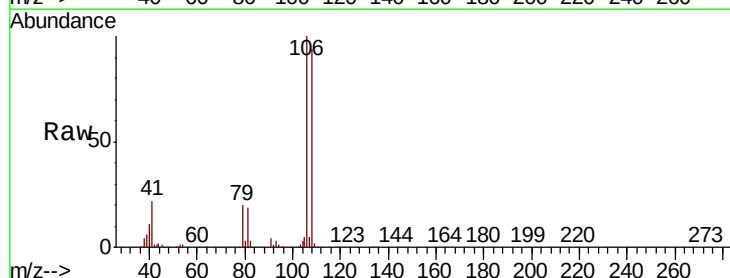
Tgt Ion: 108 Resp: 539958

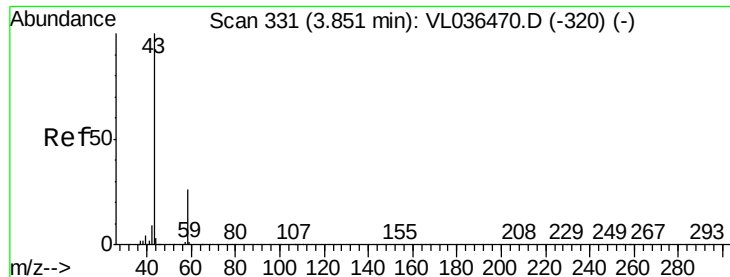
Ion Ratio Lower Upper

108 100

106 110.8 89.0 133.6

79 22.2 16.6 25.0





#15

Acetone

Concen: 8.971 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

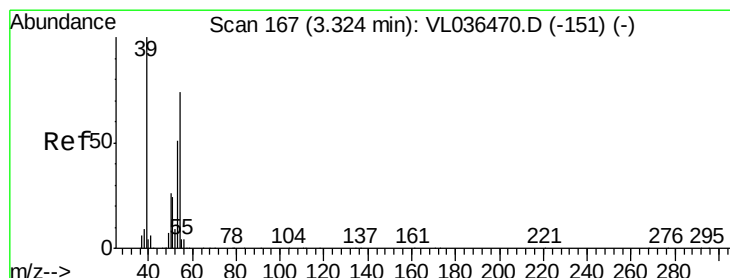
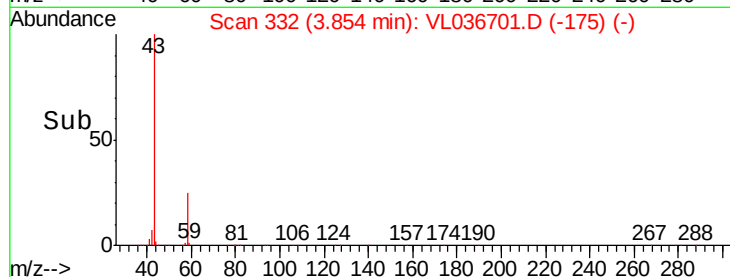
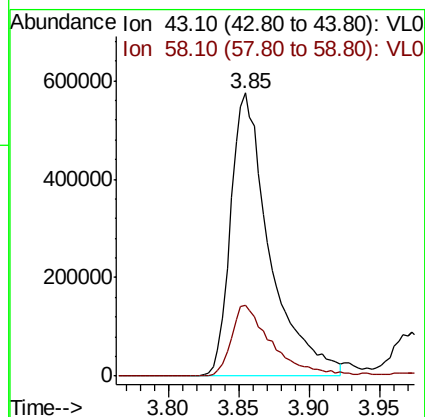
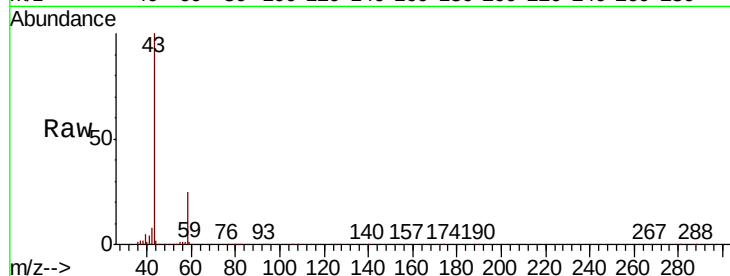
VSTDCCC010

Tot Ion: 43 Resp: 1115831

Ion Ratio Lower Upper

43 100

58 26.4 21.2 31.8



#16

1,3-Butadiene

Concen: 9.271 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL036701.D

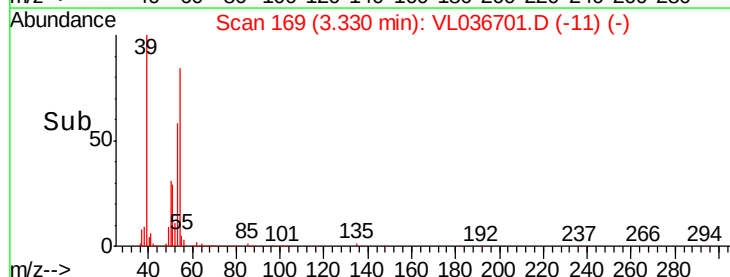
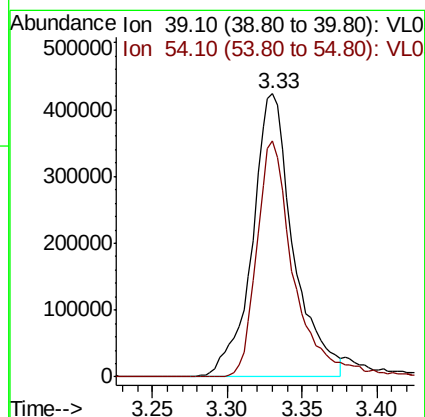
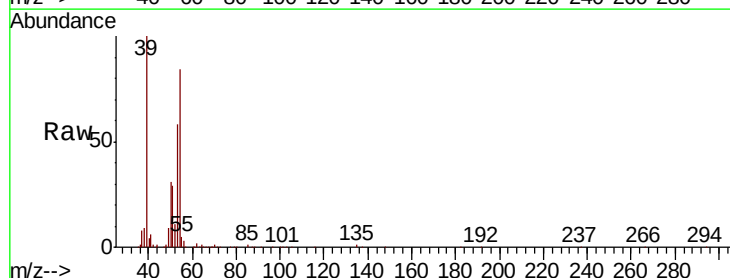
Acq: 6 Apr 2021 15:47

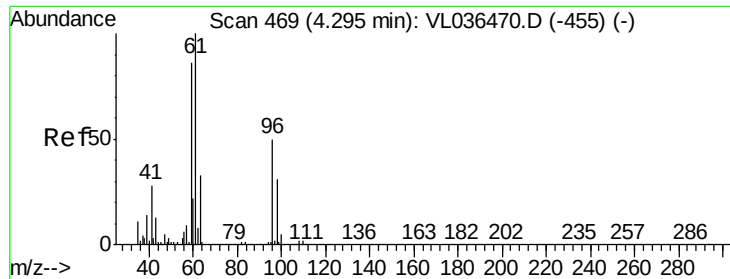
Tgt Ion: 39 Resp: 802791

Ion Ratio Lower Upper

39 100

54 77.4 58.8 88.2





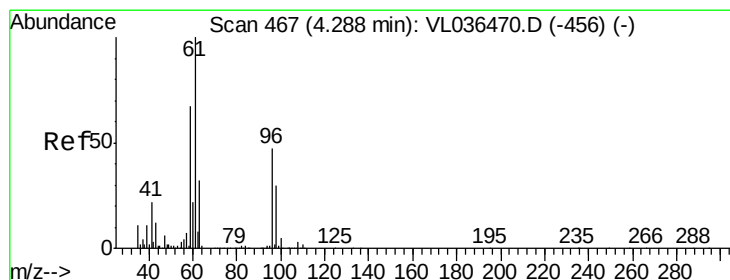
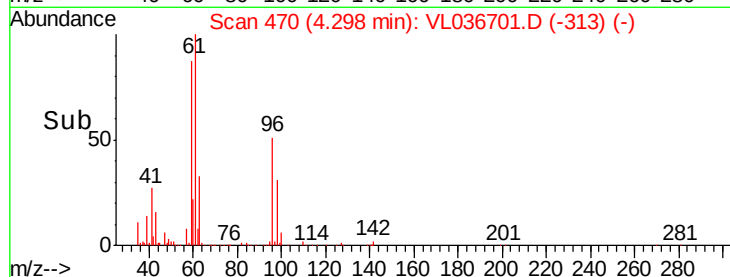
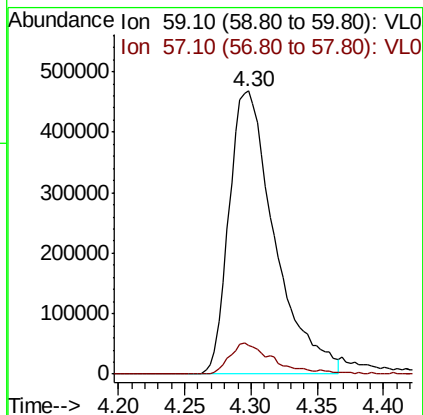
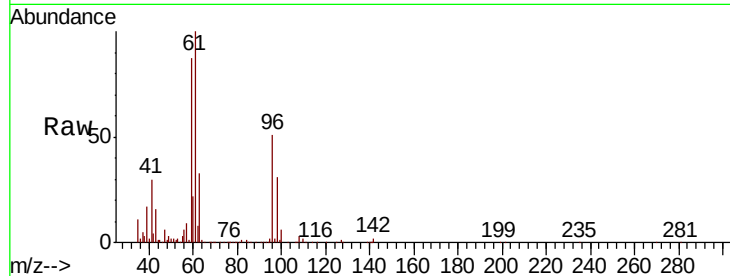
#17

tert-Butyl alcohol
Concen: 10.368 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL036701.D
Acq: 6 Apr 2021 15:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1122644

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

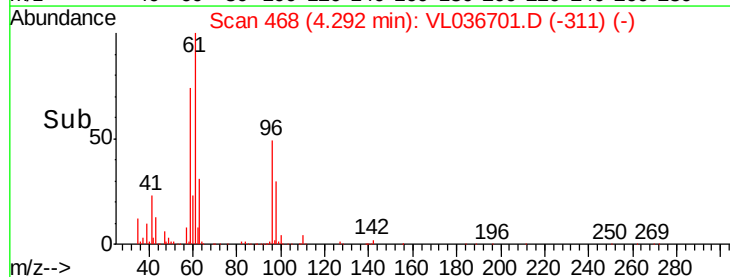
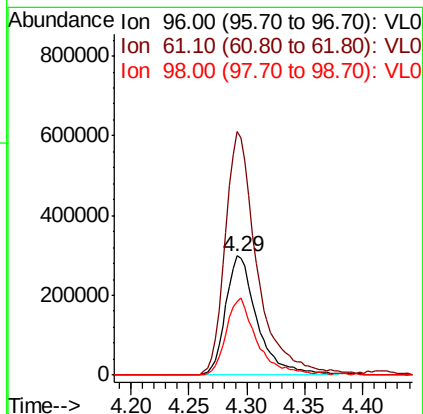
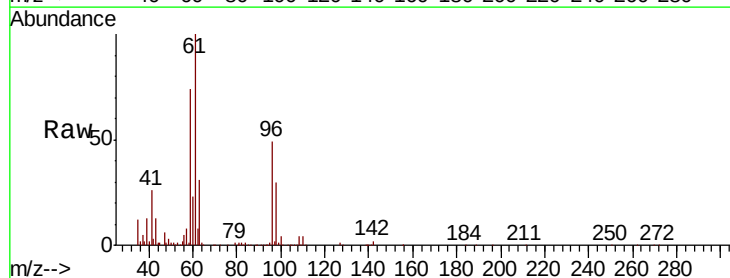


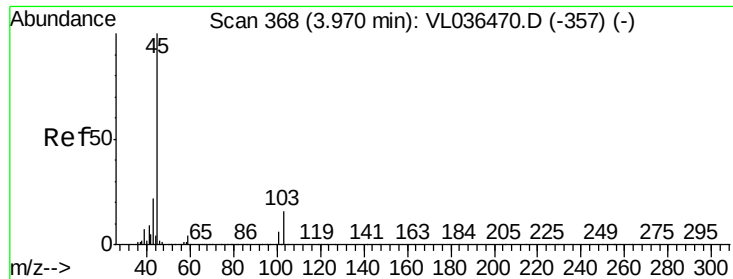
#18

1,1-Dichloroethene
Concen: 9.511 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL036701.D
Acq: 6 Apr 2021 15:47

Tgt Ion: 96 Resp: 568177

Ion	Ratio	Lower	Upper
96	100		
61	204.6	168.6	253.0
98	61.3	50.8	76.2





#19

Isopropyl Alcohol

Concen: 9.542 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

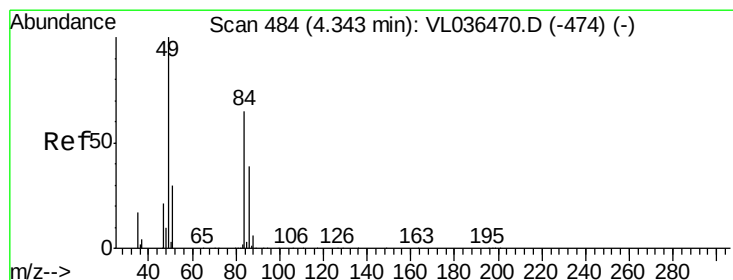
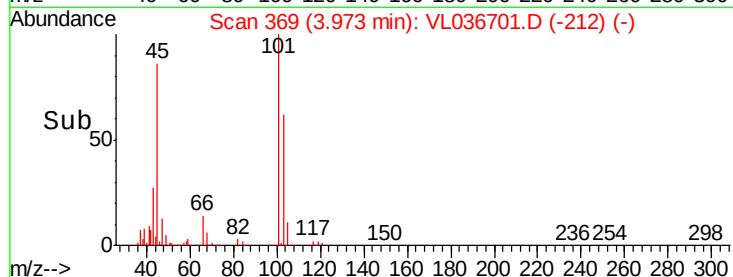
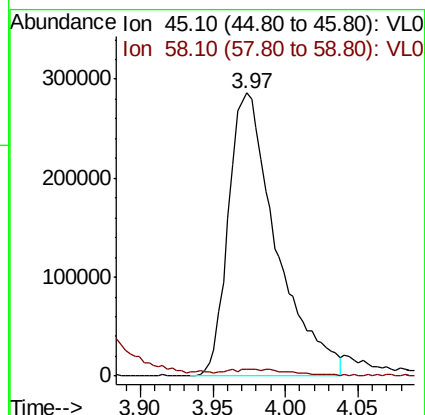
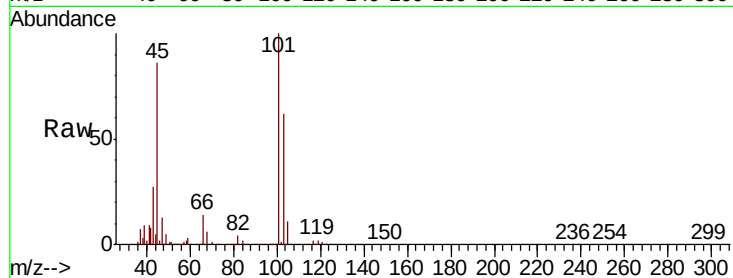
VSTDCCC010

Tot Ion: 45 Resp: 652857

Ion Ratio Lower Upper

45 100

58 2.8 2.9 4.3#



#20

Methylene Chloride

Concen: 8.525 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Tgt Ion: 84 Resp: 496458

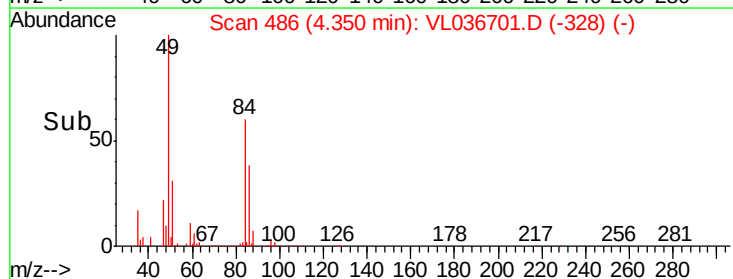
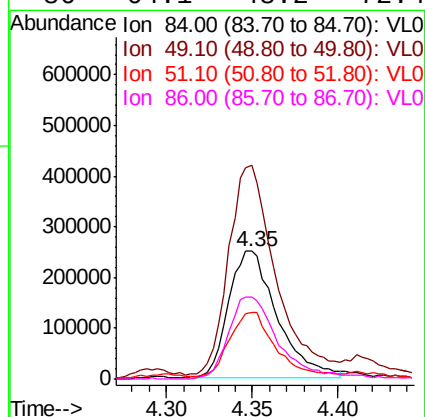
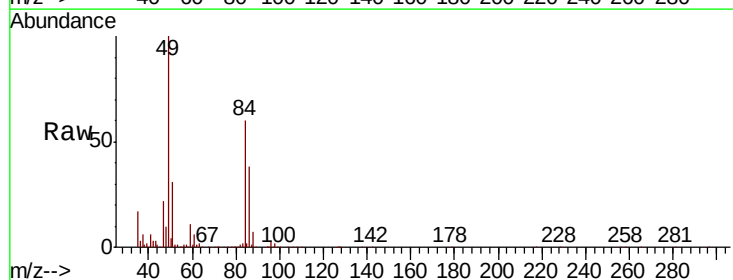
Ion Ratio Lower Upper

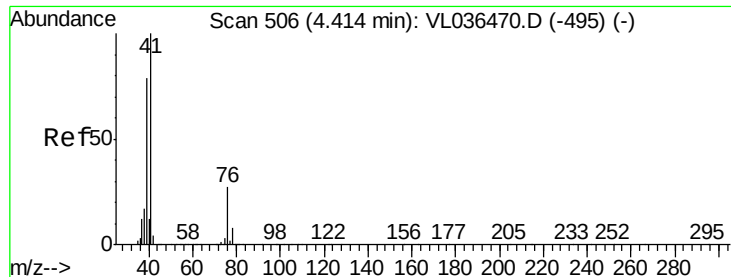
84 100

49 164.3 122.9 184.3

51 50.4 36.9 55.3

86 64.1 48.2 72.4

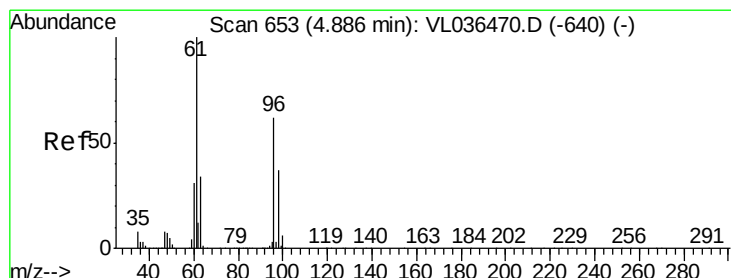
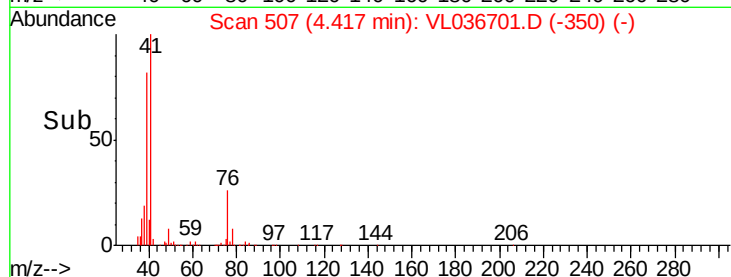
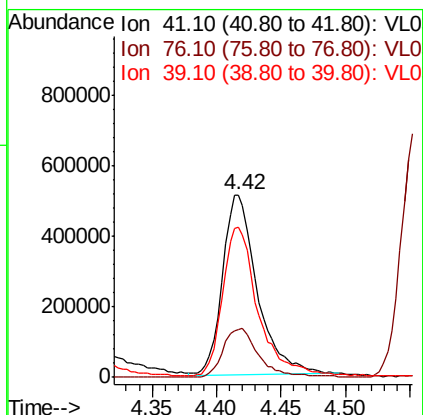
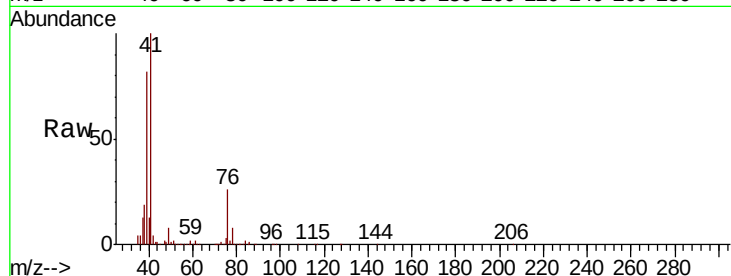




#21
 Allvl Chloride
 Concen: 9.607 ppbv
 RT: 4.42 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VL036701.D
 Acq: 6 Apr 2021 15:47

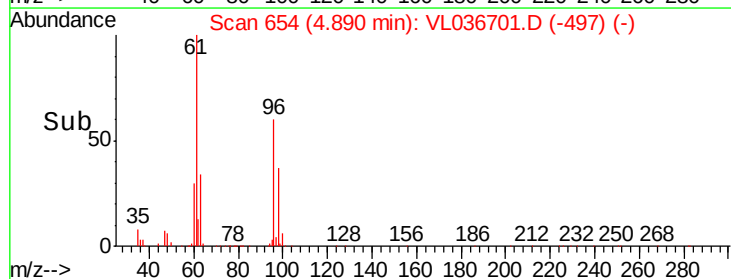
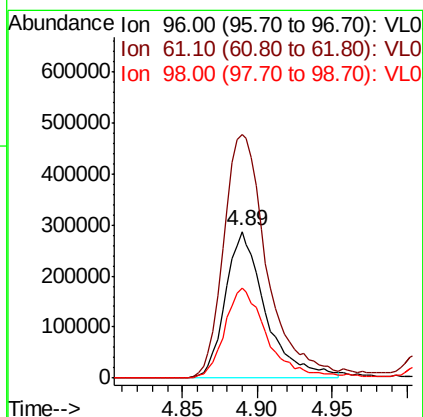
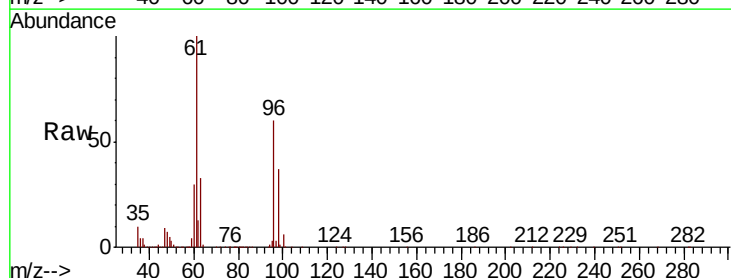
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

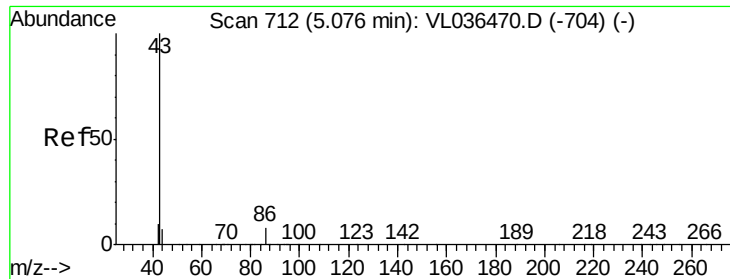
Tot Ion: 41 Resp: 952580
 Ion Ratio Lower Upper
 41 100
 76 28.2 22.9 34.3
 39 85.4 67.3 100.9



#22
 trans-1,2-Dichloroethene
 Concen: 9.687 ppbv
 RT: 4.89 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VL036701.D
 Acq: 6 Apr 2021 15:47

Tgt Ion: 96 Resp: 536517
 Ion Ratio Lower Upper
 96 100
 61 166.0 129.4 194.0
 98 61.3 48.2 72.4



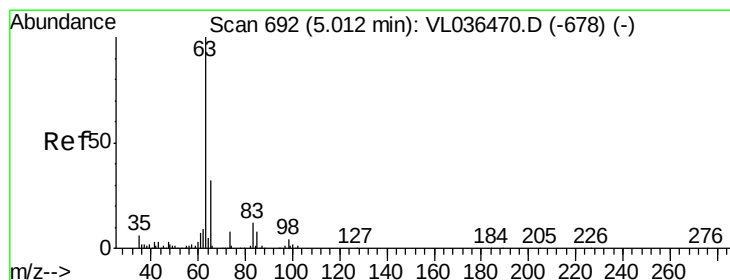
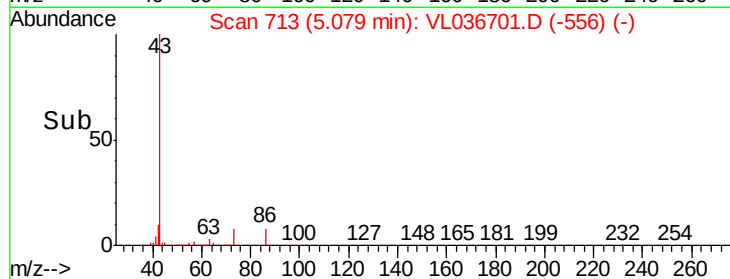
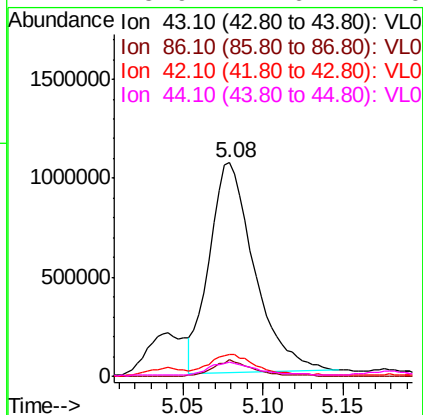
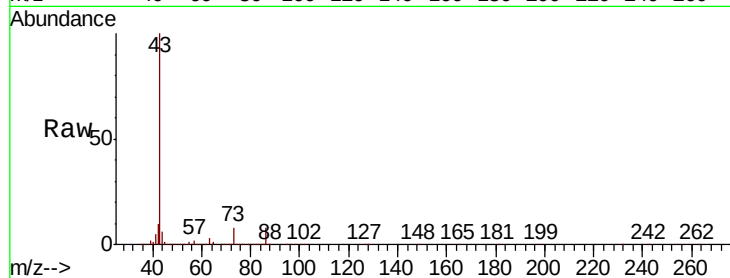


#23
 Vinyl Acetate
 Concen: 9.668 ppbv
 RT: 5.08 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VL036701.D
 Acq: 6 Apr 2021 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 43 Resp: 2056921

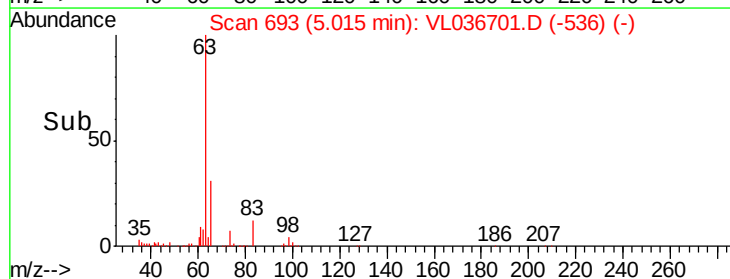
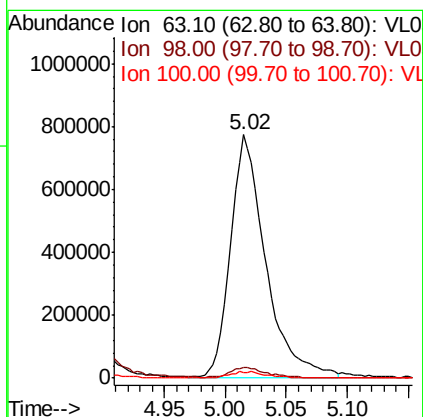
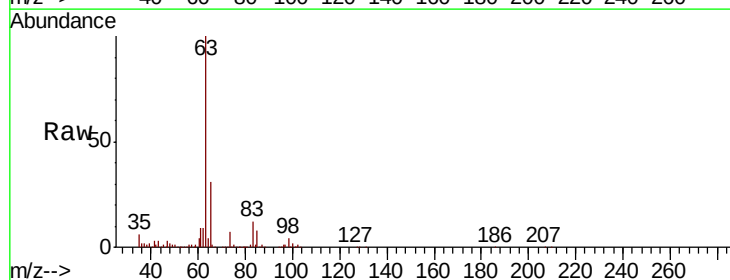
Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.4	8.0
42	10.4	8.5	12.7
44	5.9	4.6	7.0

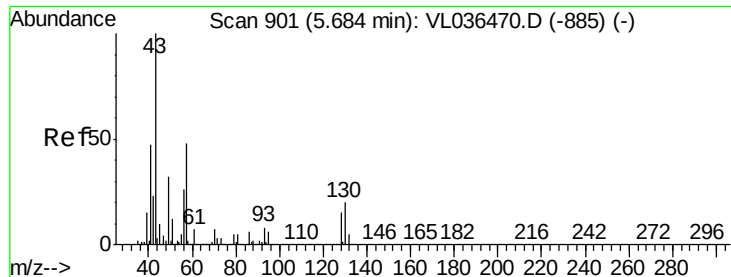


#24
 1,1-Dichloroethane
 Concen: 9.935 ppbv
 RT: 5.02 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VL036701.D
 Acq: 6 Apr 2021 15:47

Tgt Ion: 63 Resp: 1540784

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.2
100	2.3	0.9	2.8

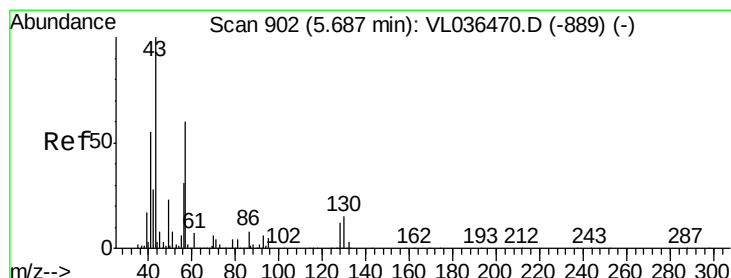
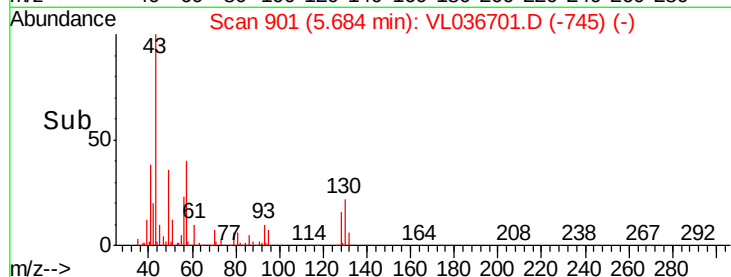
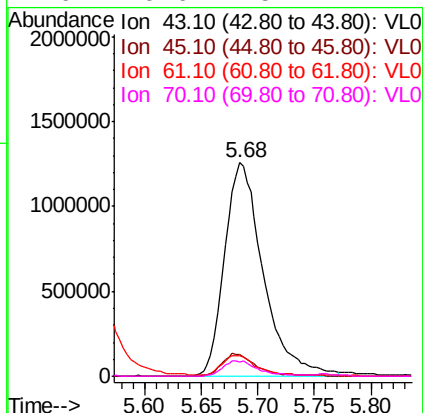
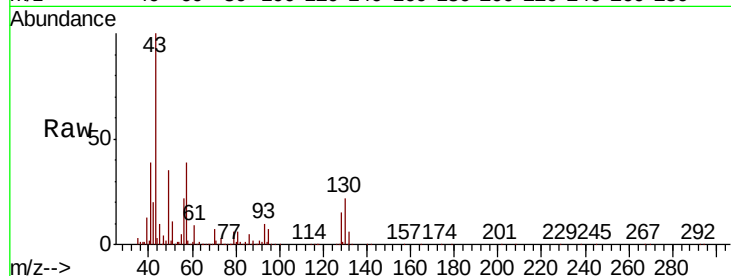




#25
Ethyl Acetate
Concen: 10.103 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL036701.D
Acq: 6 Apr 2021 15:47

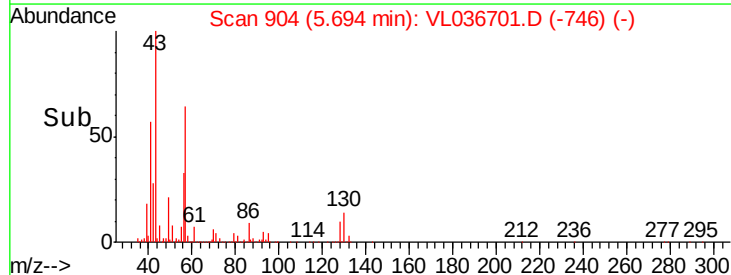
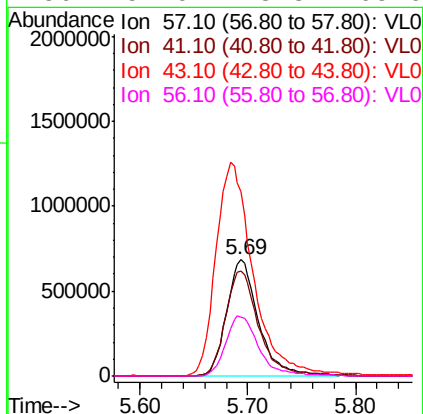
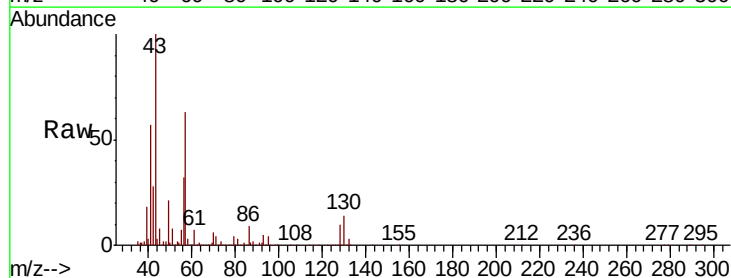
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

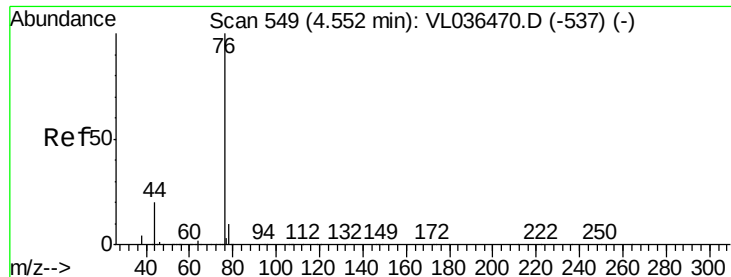
Tot Ion:	43	Resp:	2987451
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.2	7.4	11.2
70	6.6	5.1	7.7



#26
Hexane
Concen: 10.280 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036701.D
Acq: 6 Apr 2021 15:47

Tgt Ion:	57	Resp:	1410672
Ion	Ratio	Lower	Upper
57	100		
41	95.0	77.2	115.8
43	216.3	173.8	260.6
56	54.0	43.8	65.6





#27

Carbon Disulfide

Concen: 10.092 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

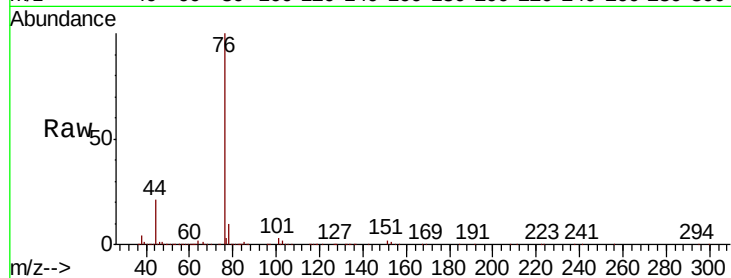
Tot Ion: 76 Resp: 1364312

Ion Ratio Lower Upper

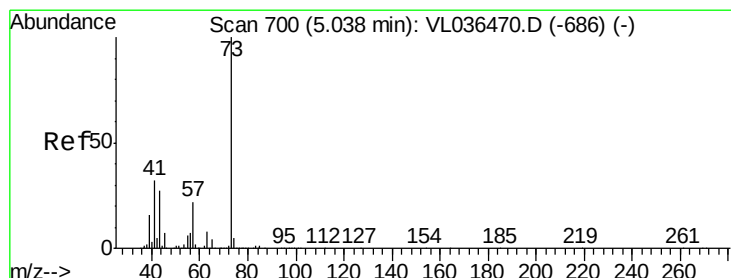
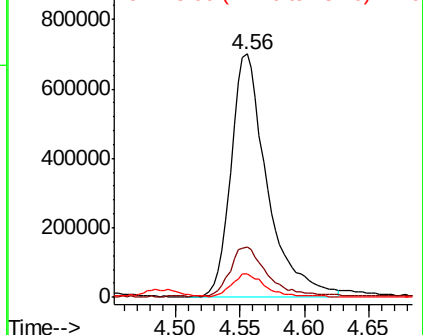
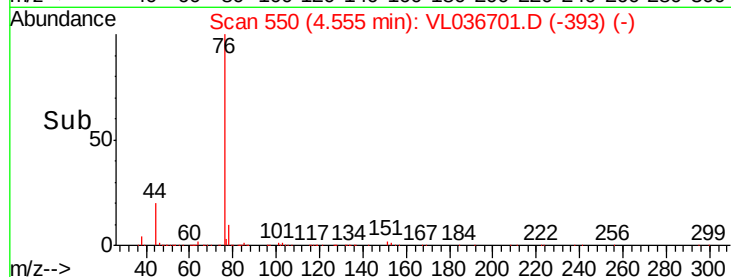
76 100

44 22.6 17.5 26.3

78 9.5 8.6 13.0



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: 10.115 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.00 min

Lab File: VL036701.D

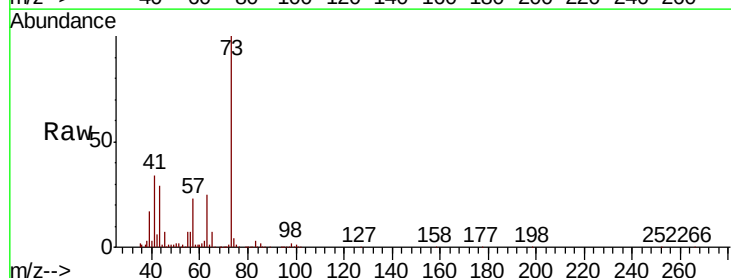
Acq: 6 Apr 2021 15:47

Tgt Ion: 73 Resp: 1636936

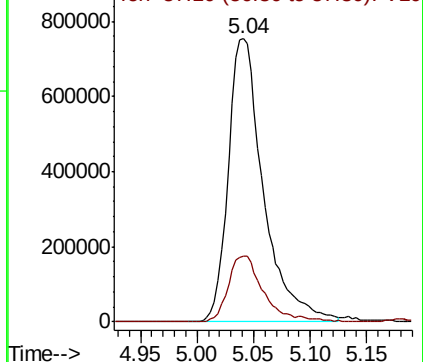
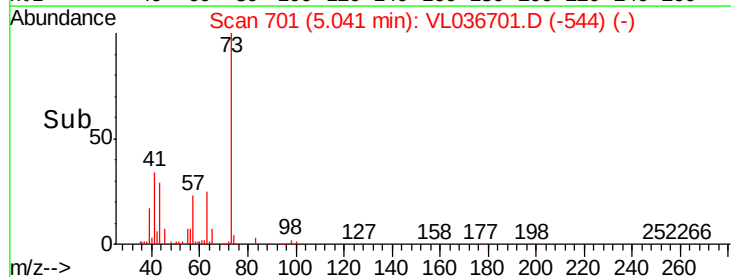
Ion Ratio Lower Upper

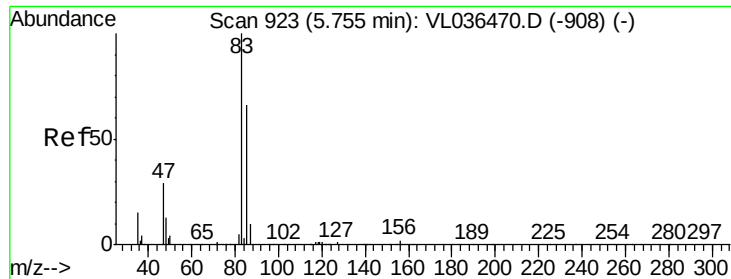
73 100

57 23.5 18.5 27.7



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

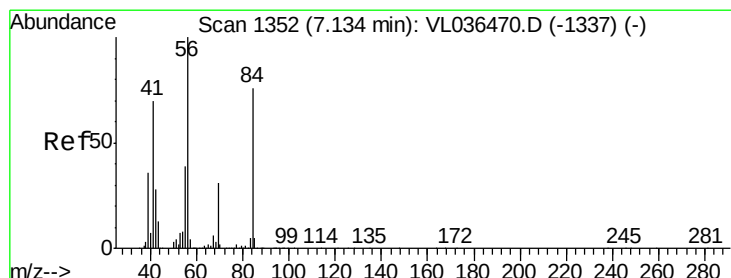
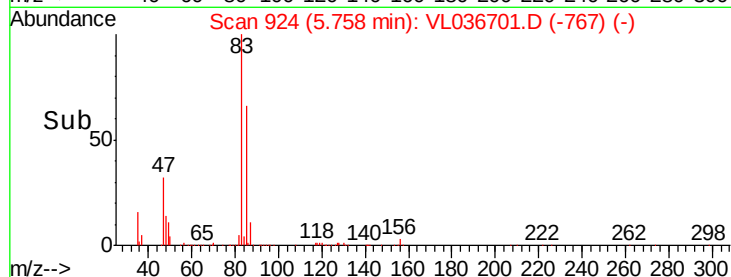
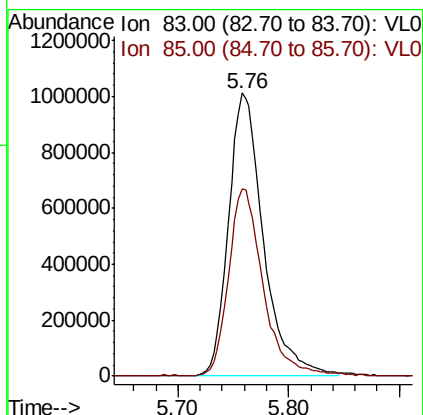
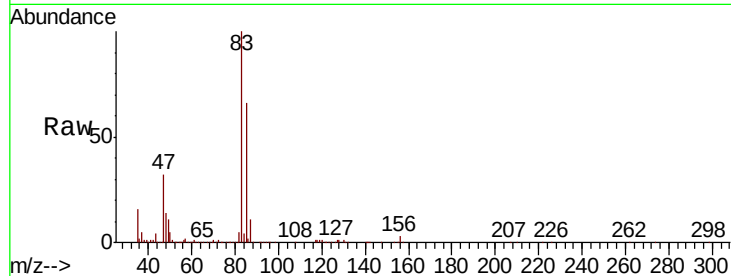




#29
Chloroform
Concen: 10.113 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.00 min
Lab File: VL036701.D
Acq: 6 Apr 2021 15:47

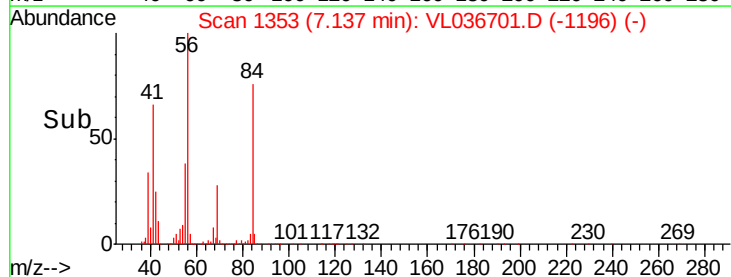
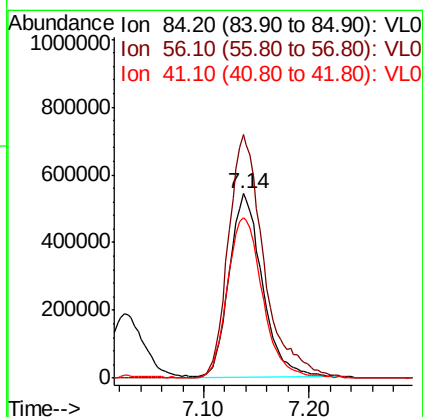
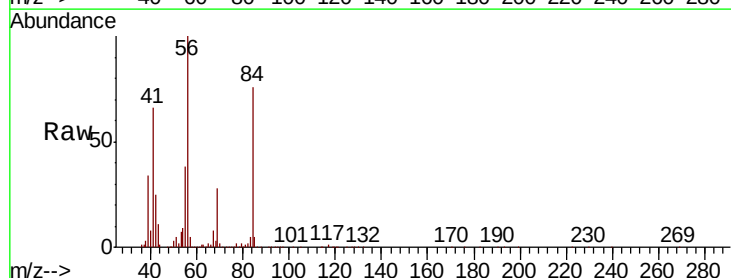
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

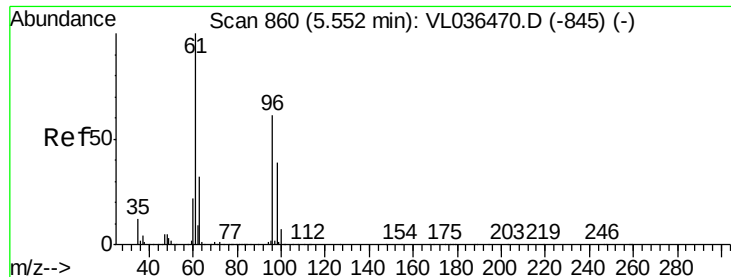
Tot Ion: 83 Resp: 2219383
Ion Ratio Lower Upper
83 100
85 65.9 52.6 78.8



#30
Cyclohexane
Concen: 10.670 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL036701.D
Acq: 6 Apr 2021 15:47

Tgt Ion: 84 Resp: 1187538
Ion Ratio Lower Upper
84 100
56 142.2 114.6 171.8
41 92.0 75.3 112.9



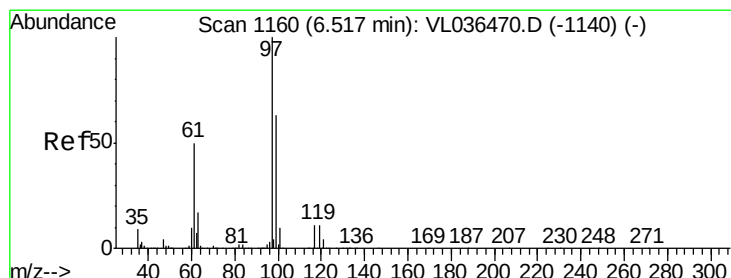
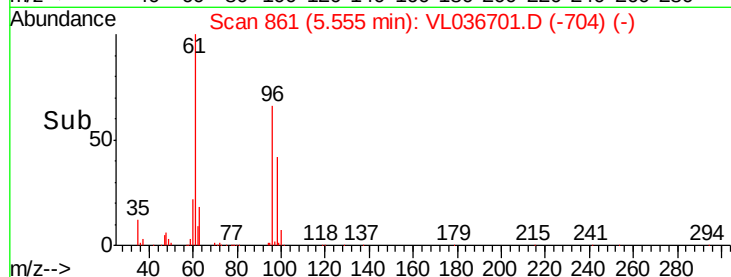
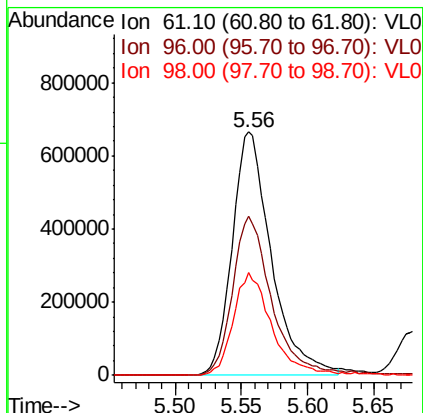
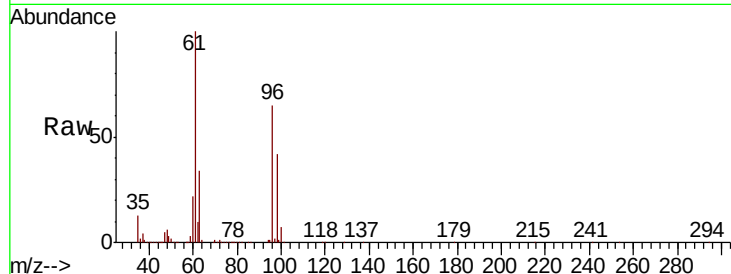


#31

cis-1,2-Dichloroethene
 Concen: 10.274 ppbv
 RT: 5.56 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VL036701.D
 Acq: 6 Apr 2021 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

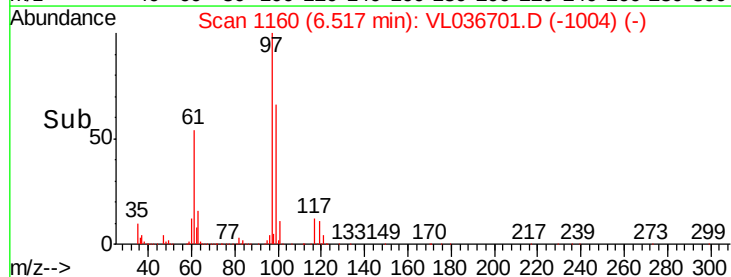
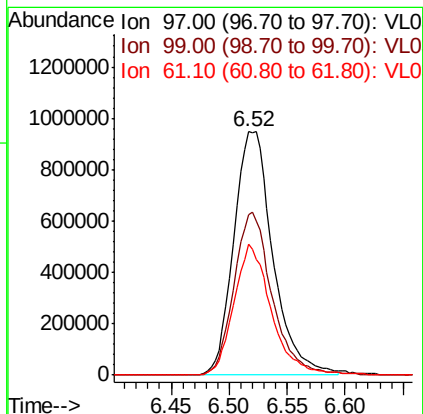
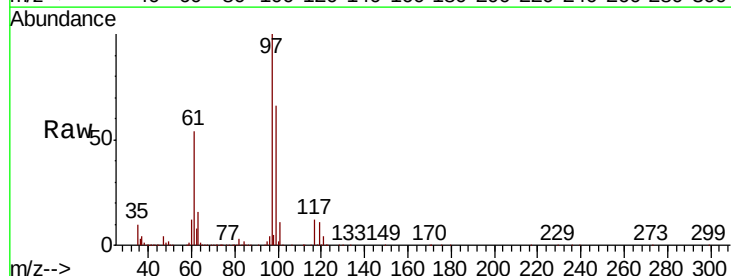
Tot Ion: 61 Resp: 1363692
 Ion Ratio Lower Upper
 61 100
 96 65.2 48.7 73.1
 98 42.0 31.4 47.0

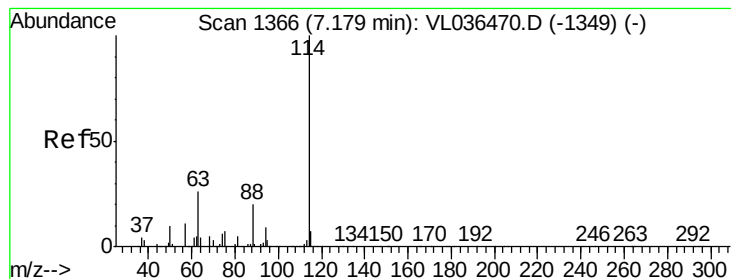


#32

1,1,1-Trichloroethane
 Concen: 10.060 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: VL036701.D
 Acq: 6 Apr 2021 15:47

Tgt Ion: 97 Resp: 2225015
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.4 77.0
 61 51.4 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

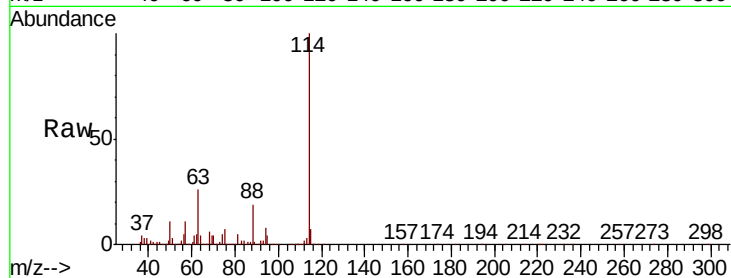
Tot Ion:114 Resp: 3210769

Ion Ratio Lower Upper

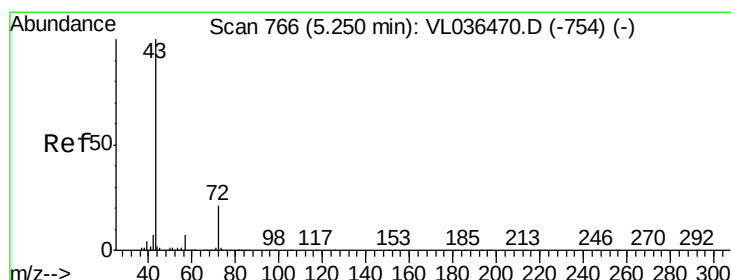
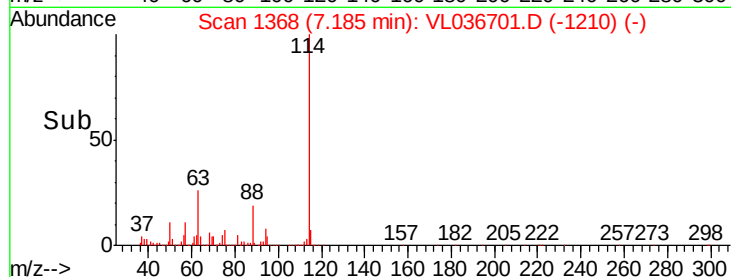
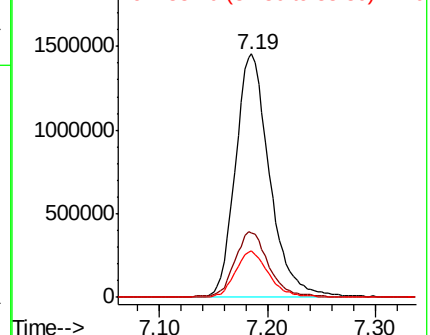
114 100

63 27.4 22.4 33.6

88 18.6 15.4 23.0



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: 9.470 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.00 min

Lab File: VL036701.D

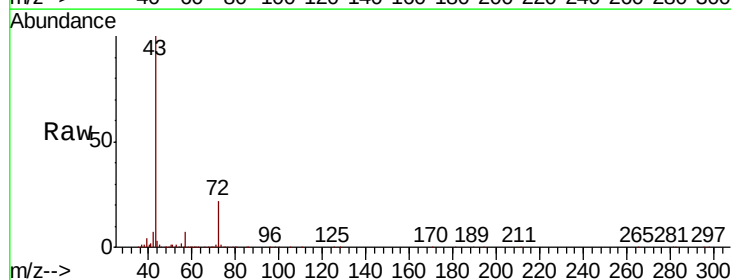
Acq: 6 Apr 2021 15:47

Tgt Ion: 43 Resp: 1484207

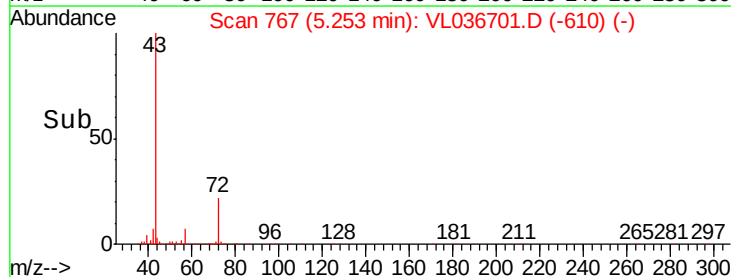
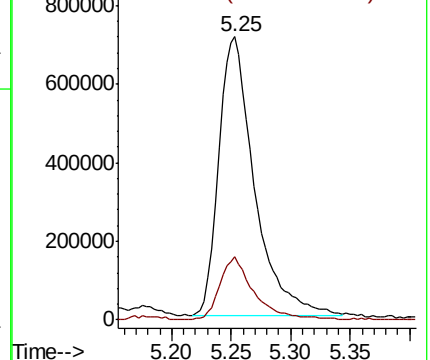
Ion Ratio Lower Upper

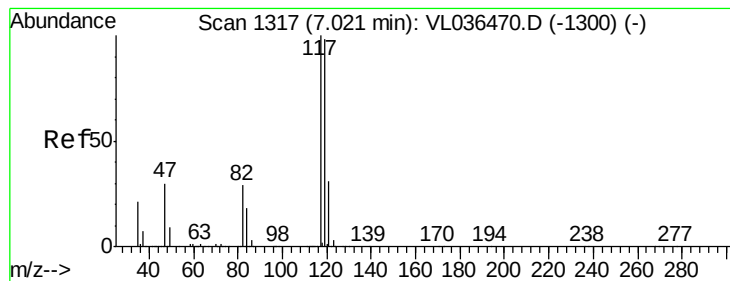
43 100

72 22.1 17.0 25.6



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





#35

Carbon Tetrachloride

Concen: 9.580 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

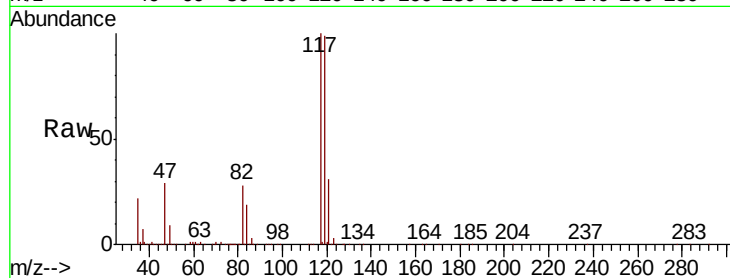
Tot Ion:117 Resp: 2362504

Ion Ratio Lower Upper

117 100

119 98.8 78.2 117.2

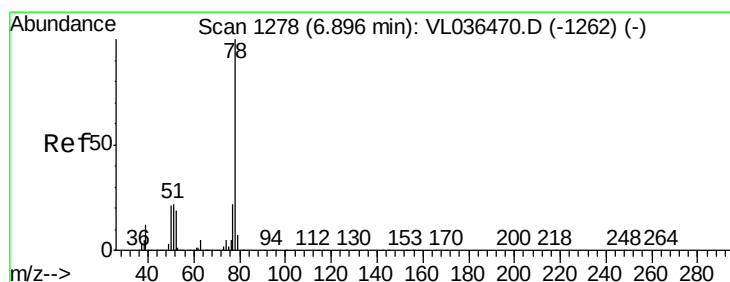
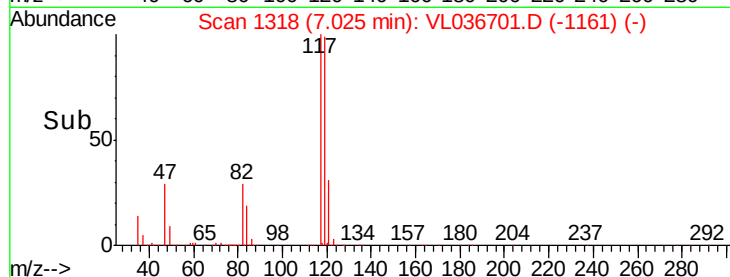
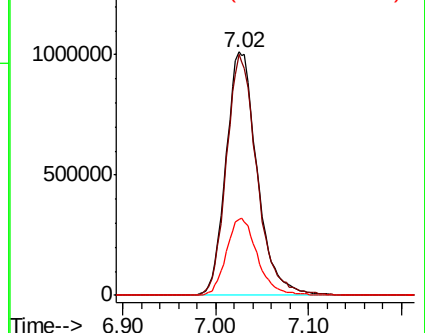
121 31.2 24.5 36.7



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: 9.850 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

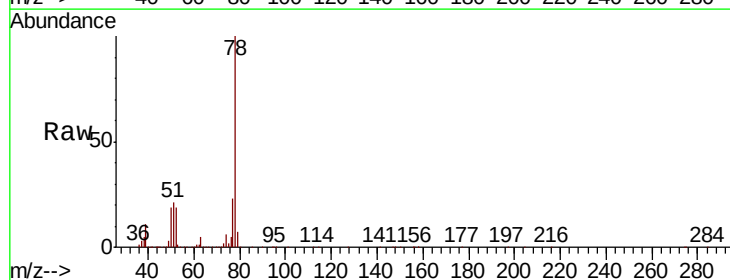
Tgt Ion: 78 Resp: 2916668

Ion Ratio Lower Upper

78 100

77 22.8 18.0 27.0

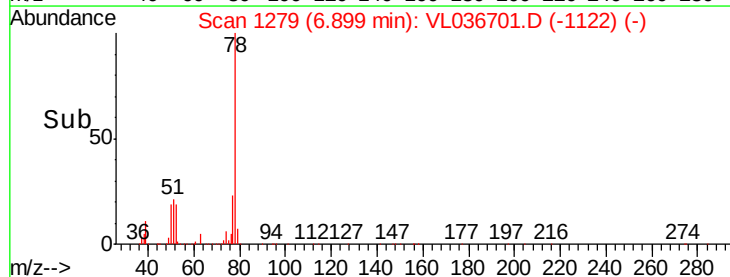
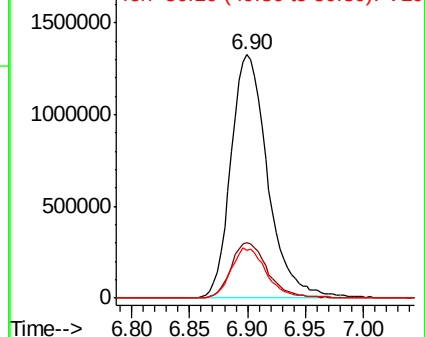
50 19.4 16.5 24.7

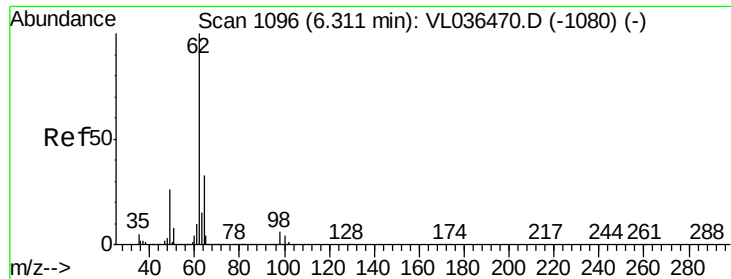


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.621 ppbv

RT: 6.31 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

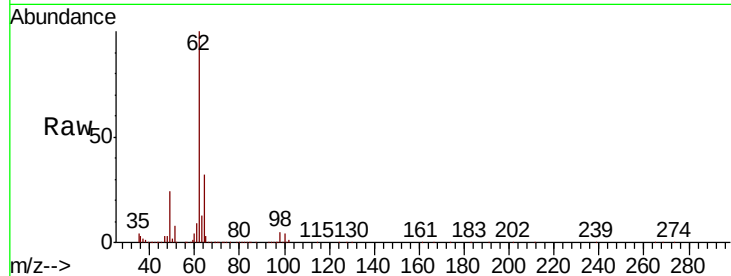
VSTDCCC010

Tot Ion: 62 Resp: 1676861

Ion Ratio Lower Upper

62 100

98 6.1 4.9 7.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.31

800000

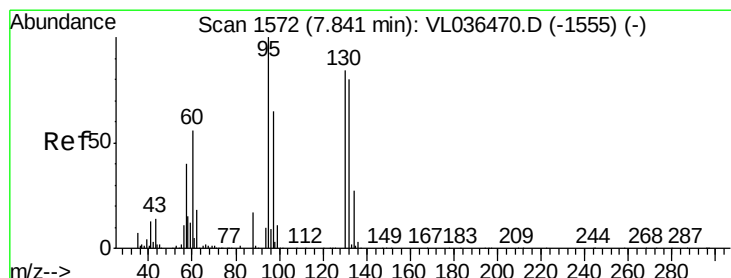
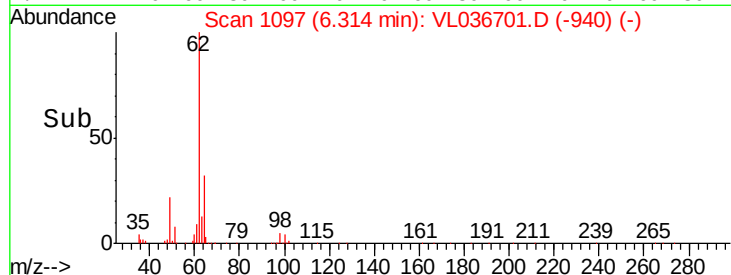
600000

400000

200000

0

Time--> 6.20 6.25 6.30 6.35 6.40



#38

Trichloroethene

Concen: 9.386 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Tgt Ion:130 Resp: 1081668

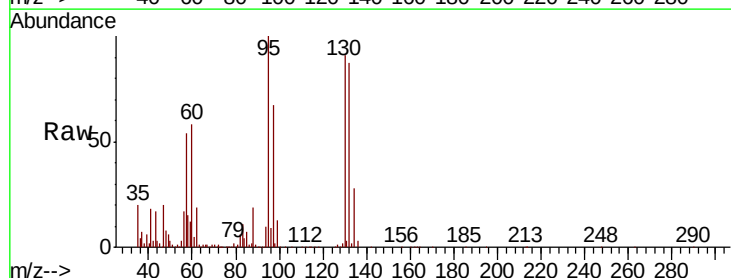
Ion Ratio Lower Upper

130 100

95 109.6 95.7 143.5

132 94.8 76.2 114.4

97 73.9 61.8 92.6



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

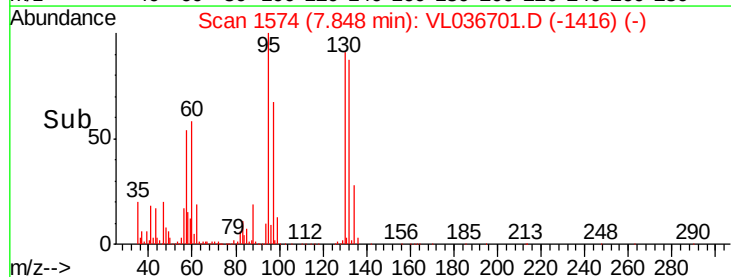
600000

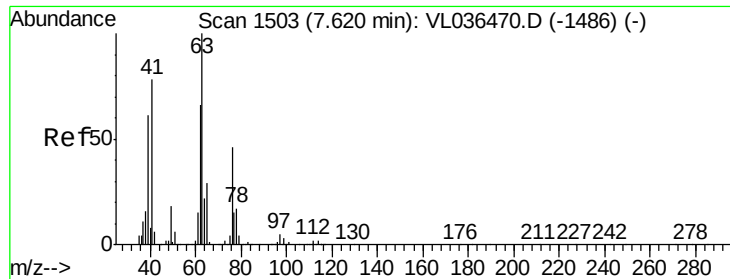
400000

200000

0

Time--> 7.75 7.80 7.85 7.90





#39

1,2-Dichloropropane

Concen: 9.365 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

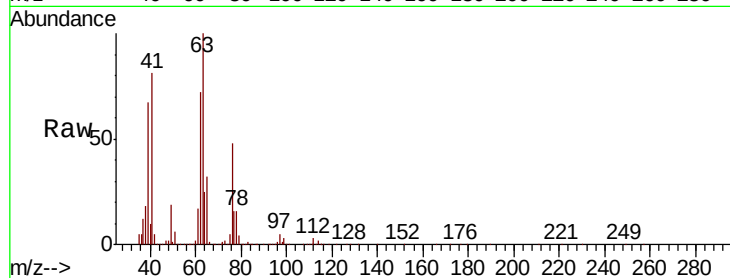
Tot Ion: 63 Resp: 1124946

Ion Ratio Lower Upper

63 100

41 81.3 62.4 93.6

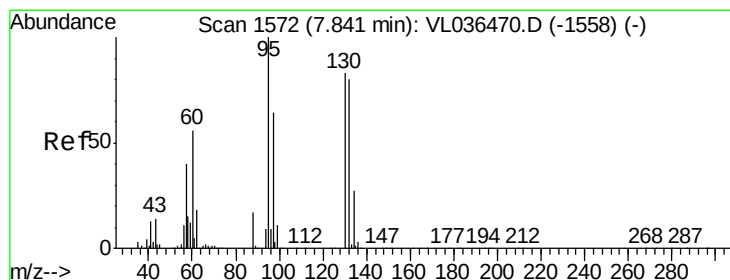
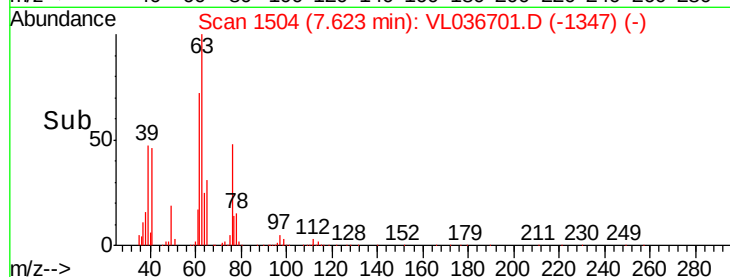
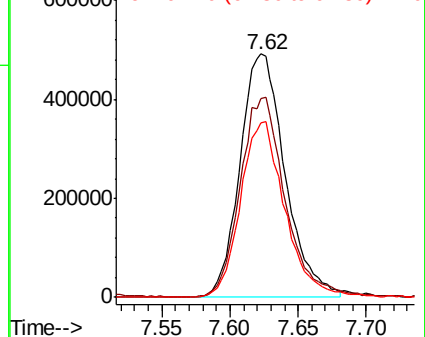
62 71.8 52.8 79.2



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: 8.562 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Tgt Ion: 88 Resp: 239362

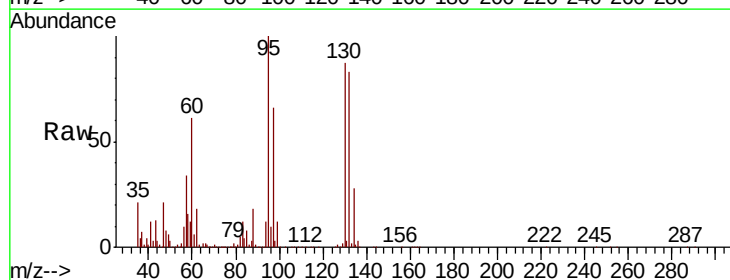
Ion Ratio Lower Upper

88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#

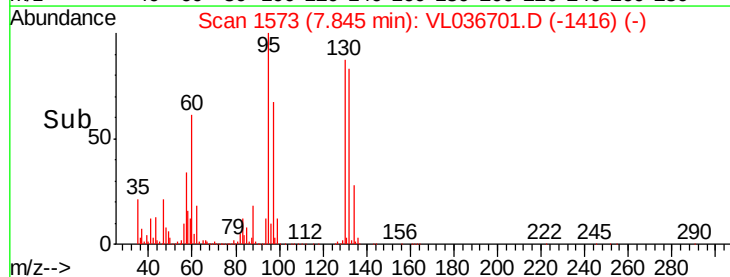
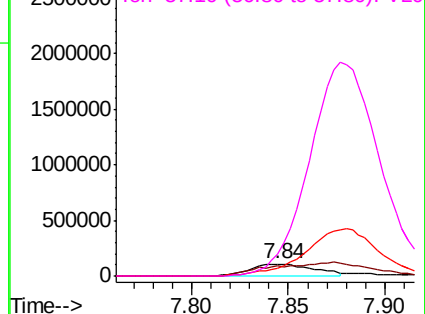


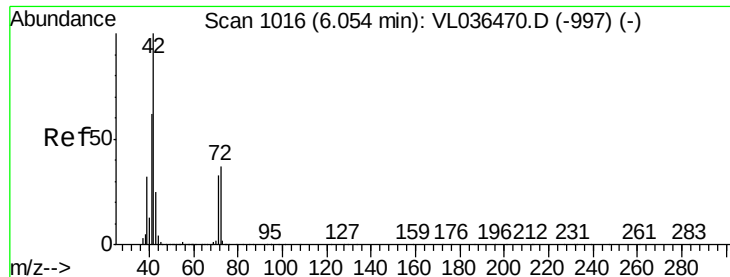
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.345 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

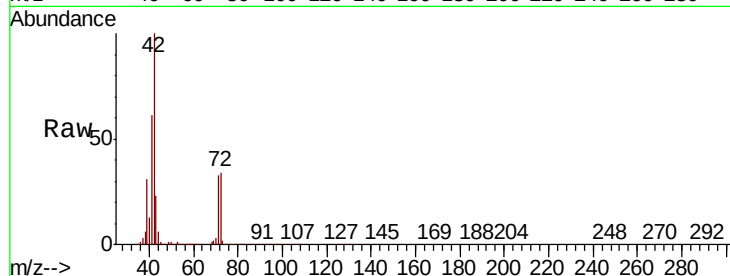
Tot Ion: 42 Resp: 675340

Ion Ratio Lower Upper

42 100

72 38.1 27.6 41.4

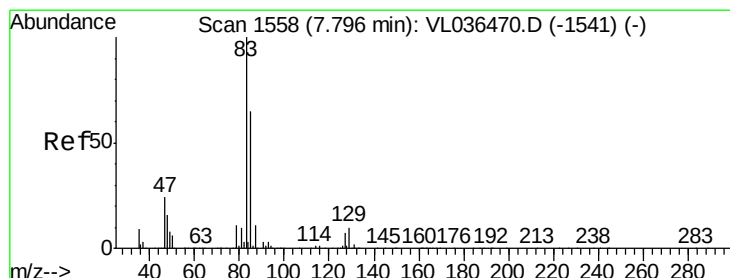
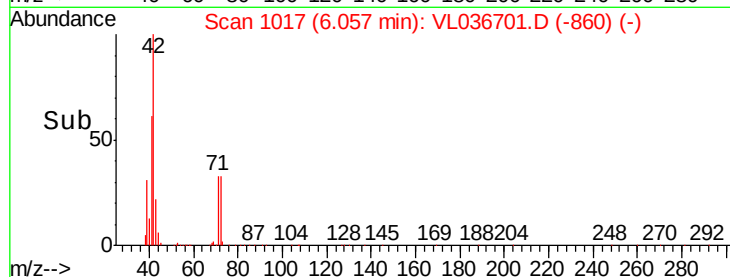
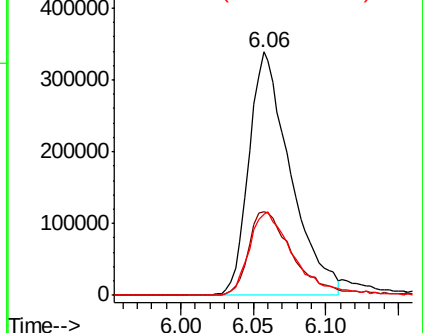
71 37.7 27.0 40.4



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



#42

Bromodichloromethane

Concen: 10.056 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

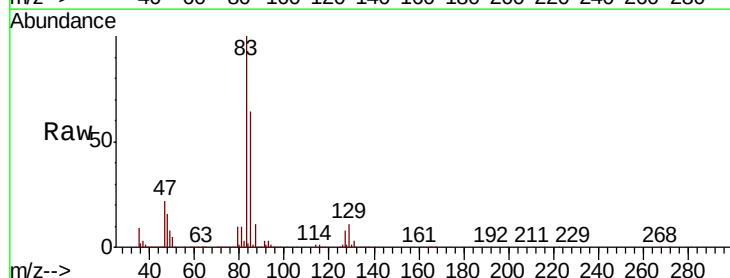
Tgt Ion: 83 Resp: 2383835

Ion Ratio Lower Upper

83 100

85 63.8 51.8 77.6

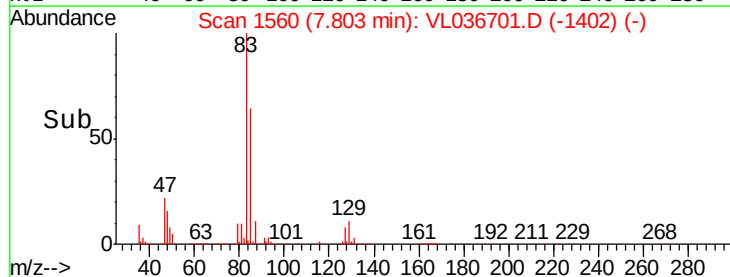
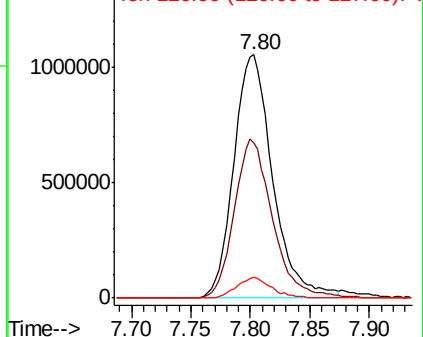
127 8.4 5.8 8.8

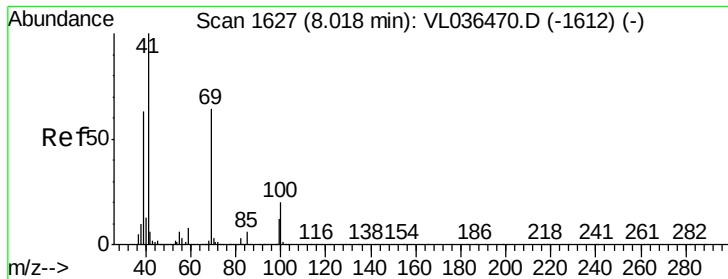


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

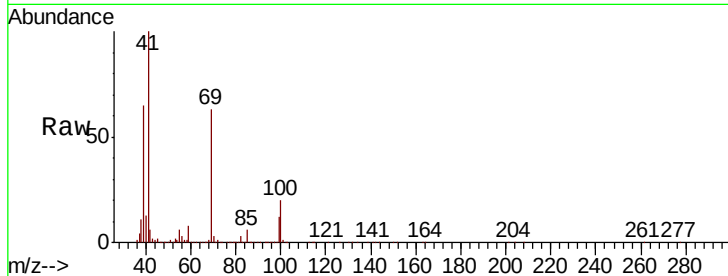




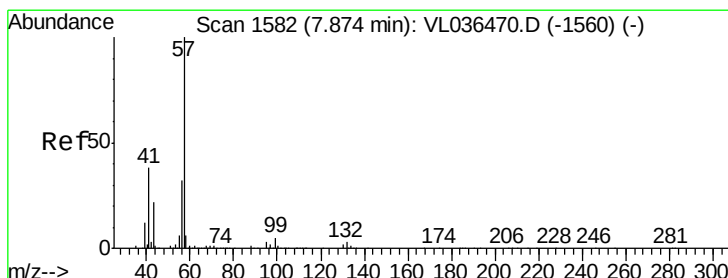
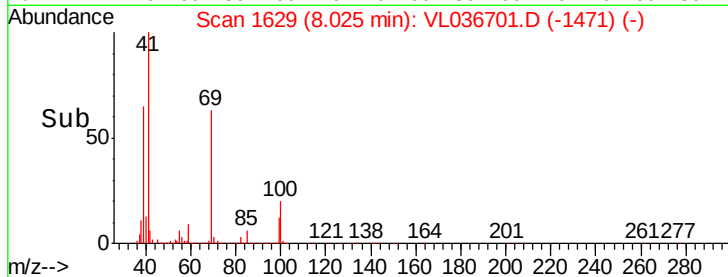
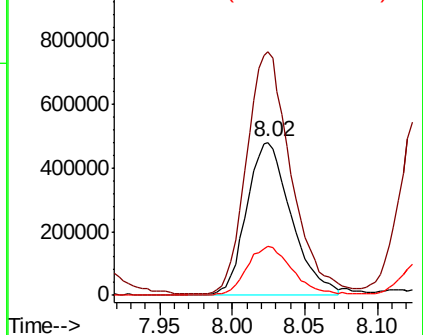
#43
Methyl Methacrylate
Concen: 10.338 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.01 min
Lab File: VL036701.D
Acq: 6 Apr 2021 15:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1027932
Ion Ratio Lower Upper
69 100
41 160.6 126.8 190.2
100 32.9 24.9 37.3

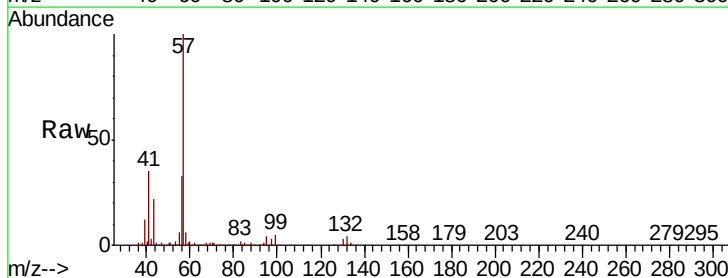


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

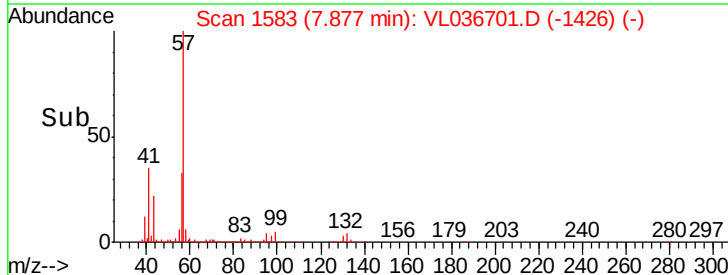
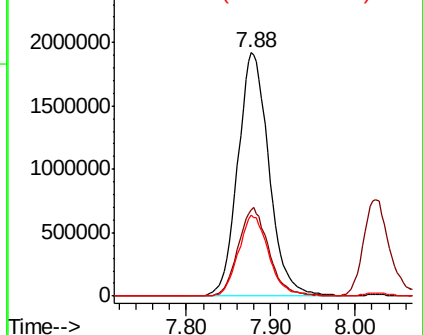


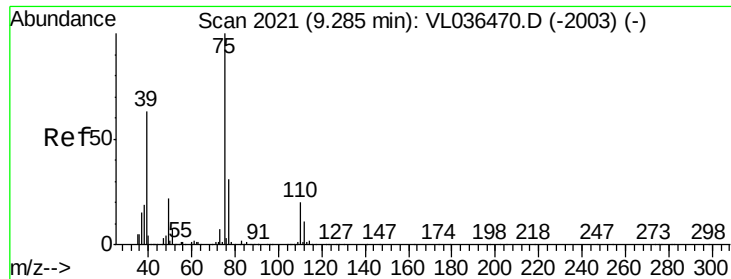
#44
2,2,4-Trimethylpentane
Concen: 9.486 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VL036701.D
Acq: 6 Apr 2021 15:47

Tgt Ion: 57 Resp: 4943954
Ion Ratio Lower Upper
57 100
41 35.6 28.8 43.2
56 32.3 26.1 39.1



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

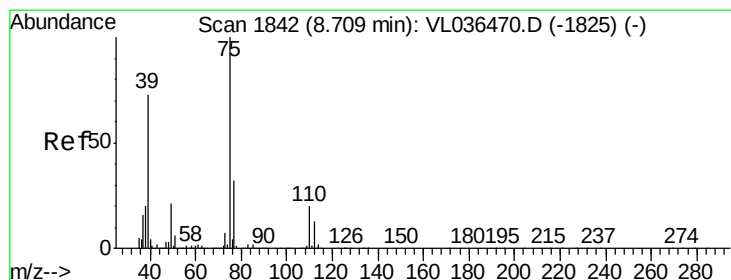
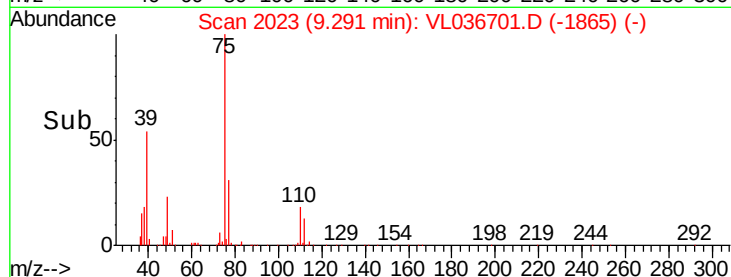
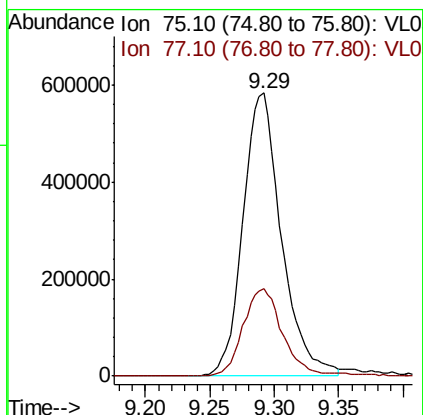
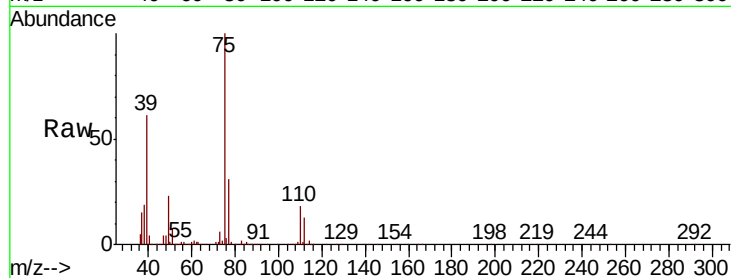




#45
t-1,3-Dichloropropene
Concen: 10.661 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.01 min
Lab File: VL036701.D
Acq: 6 Apr 2021 15:47

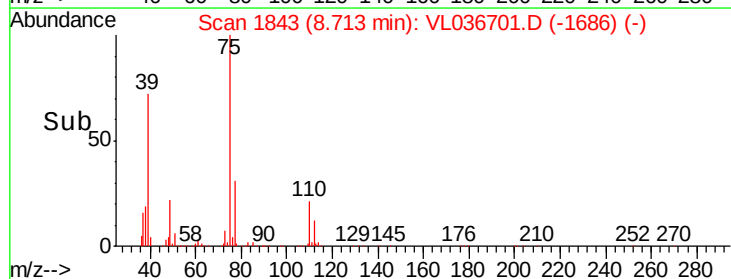
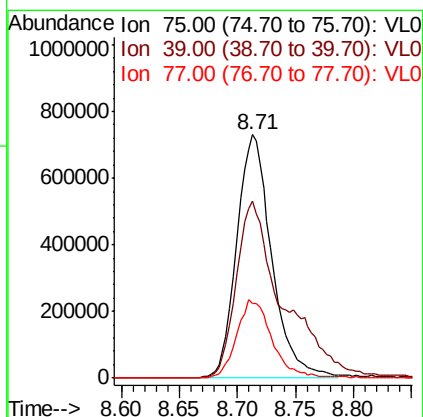
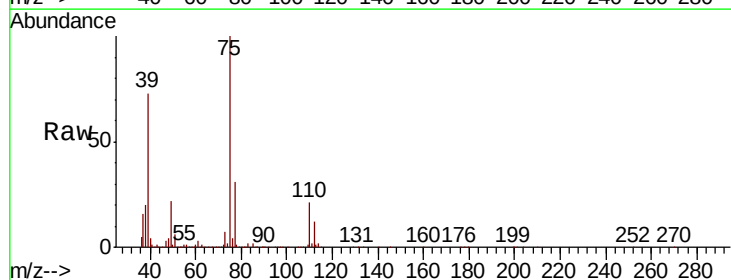
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

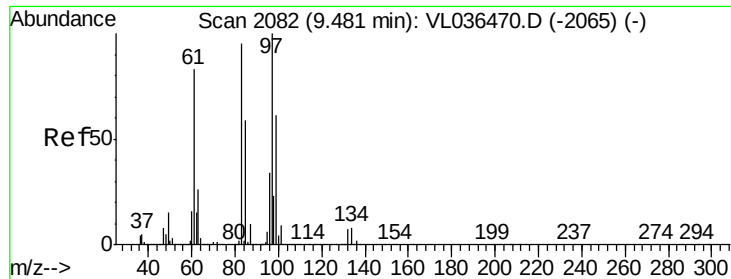
Tot Ion: 75 Resp: 1210490
Ion Ratio Lower Upper
75 100
77 31.1 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 10.527 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VL036701.D
Acq: 6 Apr 2021 15:47

Tgt Ion: 75 Resp: 1527928
Ion Ratio Lower Upper
75 100
39 72.7 58.2 87.2
77 30.9 25.2 37.8



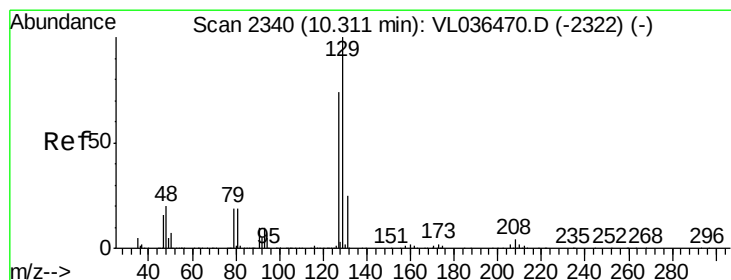
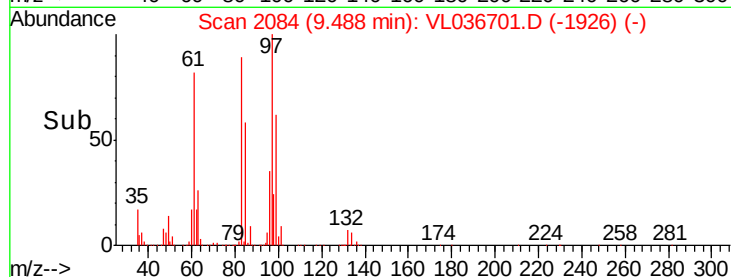
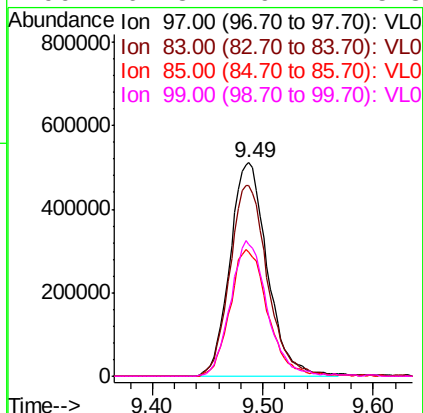
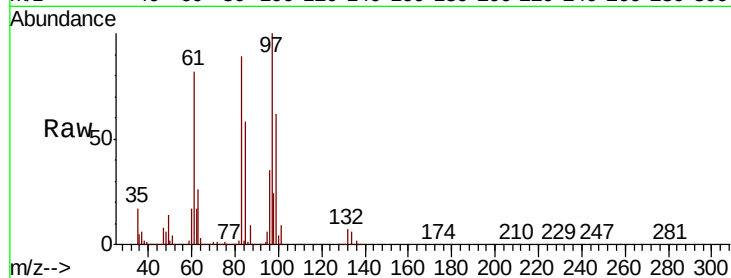


#47
 1,1,2-Trichloroethane
 Concen: 9.855 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.01 min
 Lab File: VL036701.D
 Acq: 6 Apr 2021 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1199003

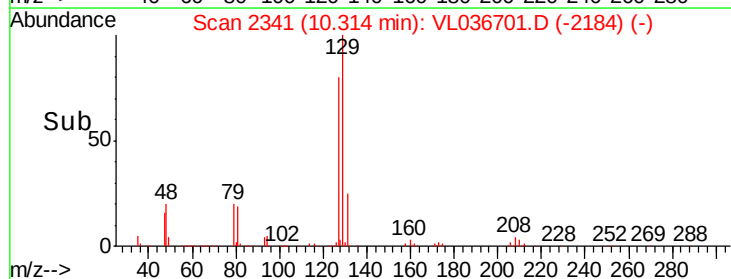
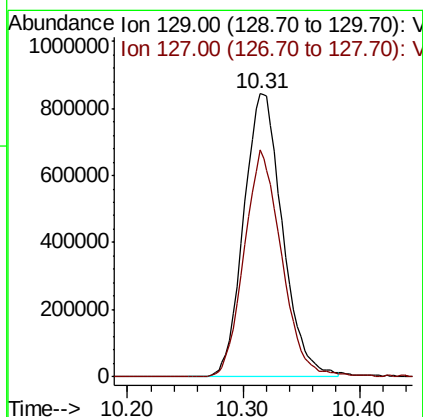
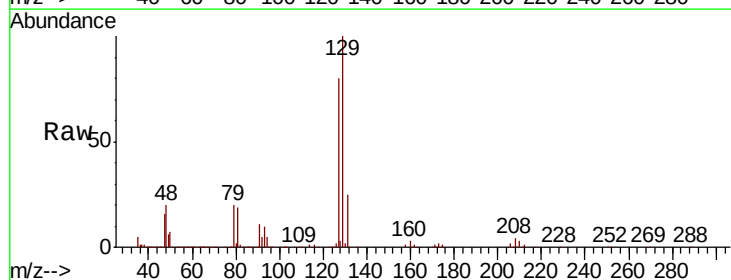
Ion	Ratio	Lower	Upper
97	100		
83	89.4	75.8	113.8
85	58.1	47.1	70.7
99	61.8	49.2	73.8

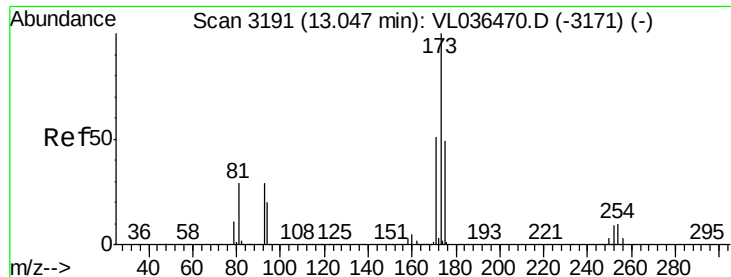


#48
 Dibromochloromethane
 Concen: 10.574 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL036701.D
 Acq: 6 Apr 2021 15:47

Tgt Ion: 129 Resp: 1961081

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.6	118.8





#49

Bromoform

Concen: 10.750 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

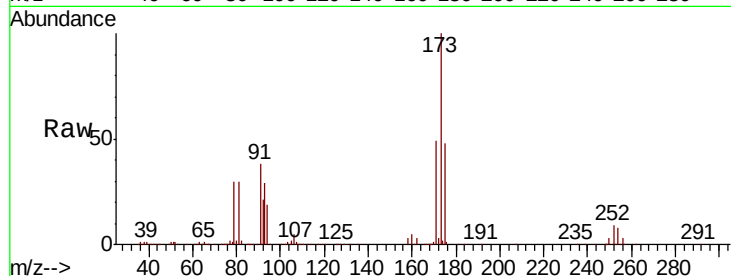
Tot Ion:173 Resp: 1606471

Ion Ratio Lower Upper

173 100

175 50.5 39.6 59.4

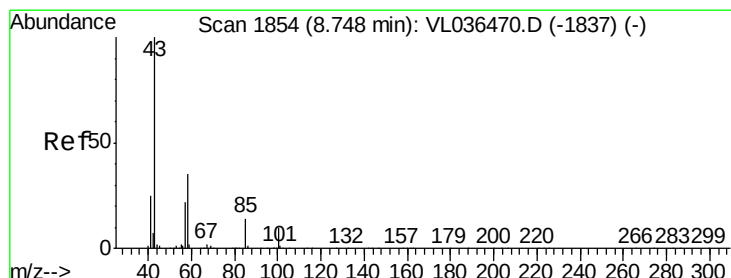
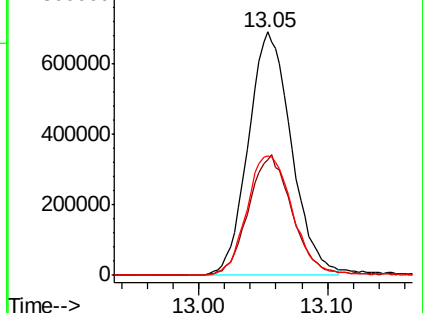
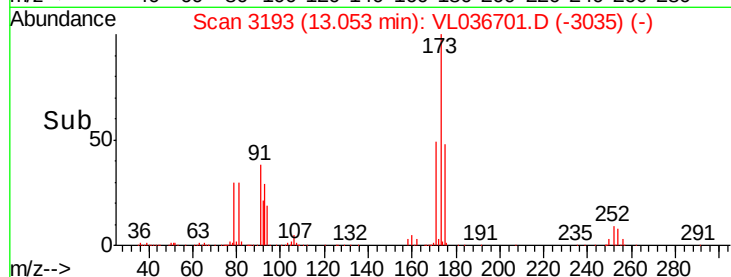
171 52.6 41.4 62.0



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: 10.175 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VL036701.D

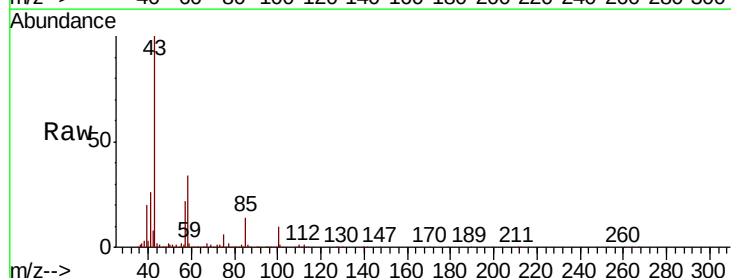
Acq: 6 Apr 2021 15:47

Tgt Ion: 43 Resp: 2307487

Ion Ratio Lower Upper

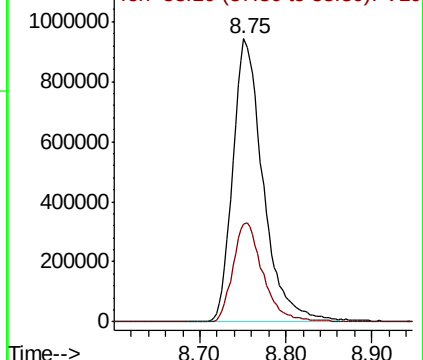
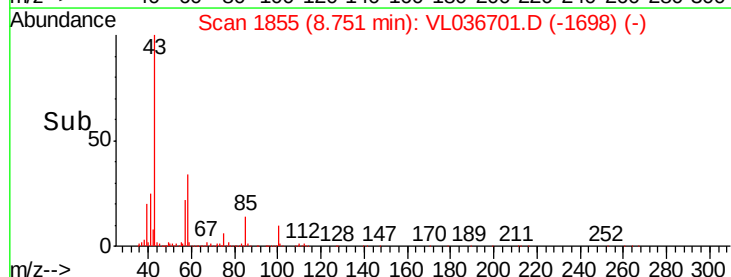
43 100

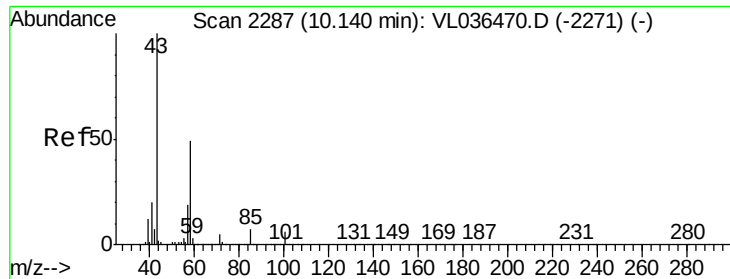
58 35.0 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 4.760 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

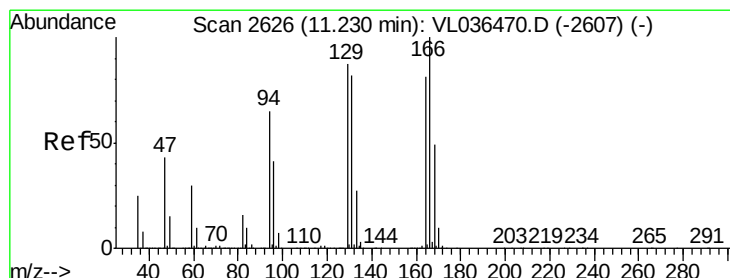
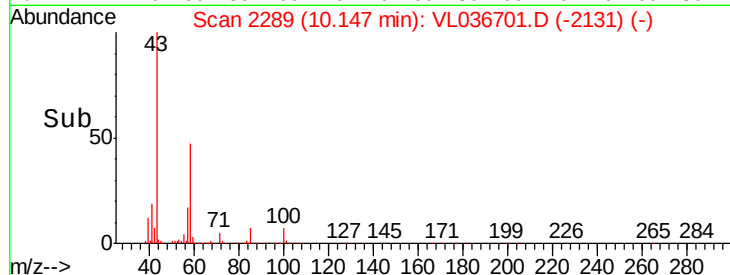
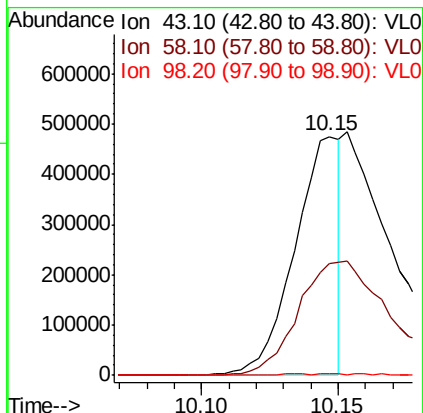
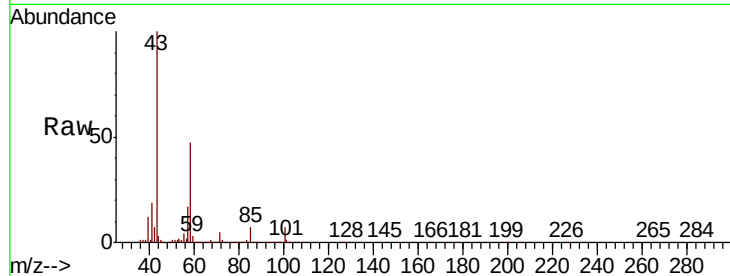
Tot Ion: 43 Resp: 544795

Ion Ratio Lower Upper

43 100

58 0.0 37.7 56.5#

98 1.9 0.2 0.2#



#52

Tetrachloroethene

Concen: 9.180 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Tgt Ion: 164 Resp: 1001046

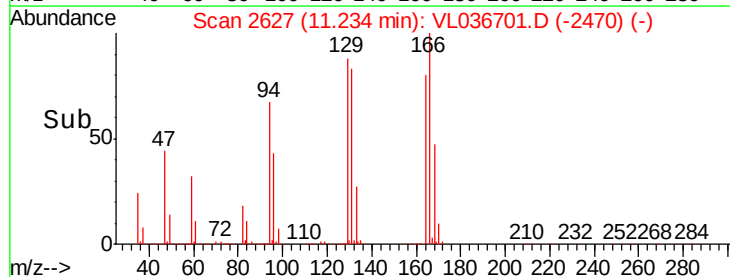
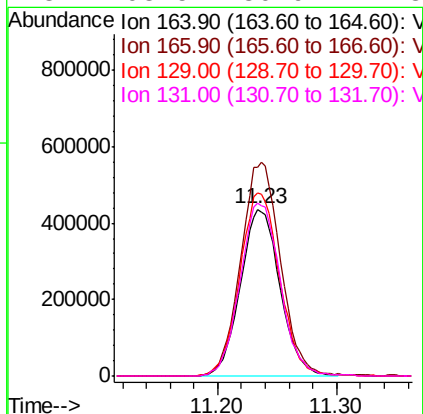
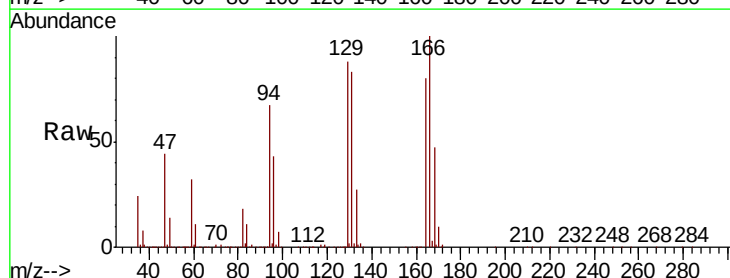
Ion Ratio Lower Upper

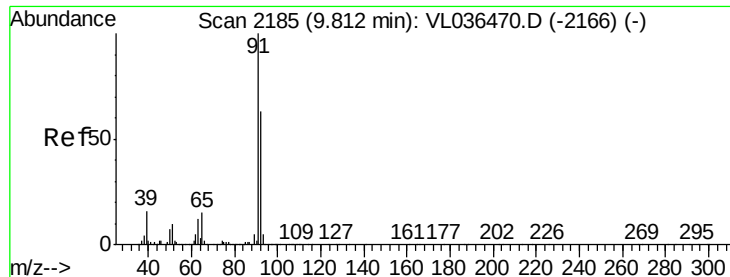
164 100

166 124.7 98.3 147.5

129 109.6 85.8 128.8

131 103.5 80.9 121.3





#53

Toluene

Concen: 10.413 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

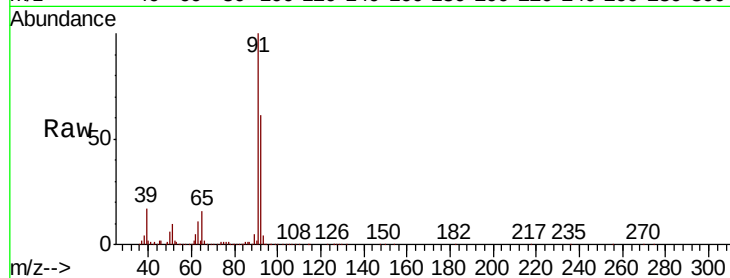
VSTDCCC010

Tot Ion: 91 Resp: 3283745

Ion Ratio Lower Upper

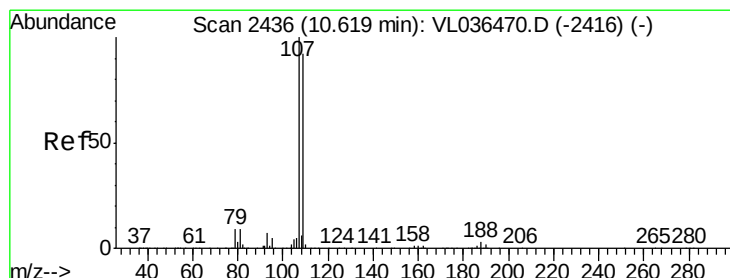
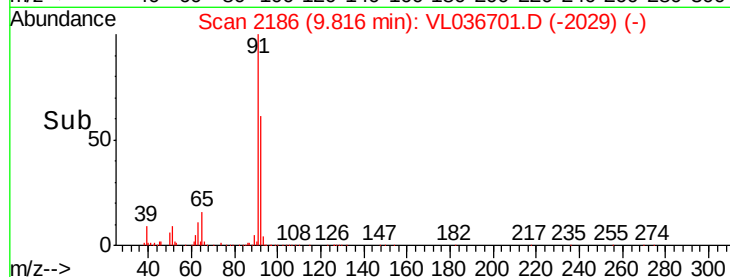
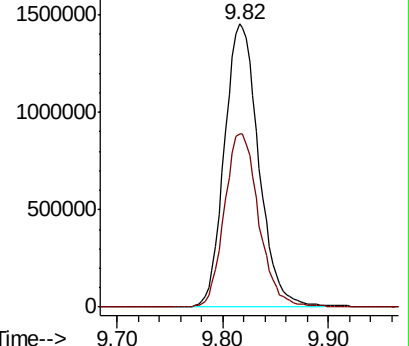
91 100

92 61.5 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.050 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL036701.D

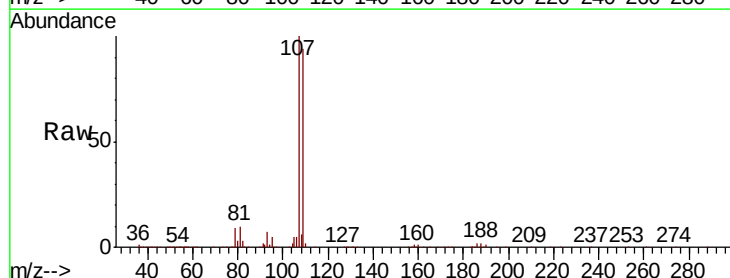
Acq: 6 Apr 2021 15:47

Tgt Ion: 107 Resp: 1726773

Ion Ratio Lower Upper

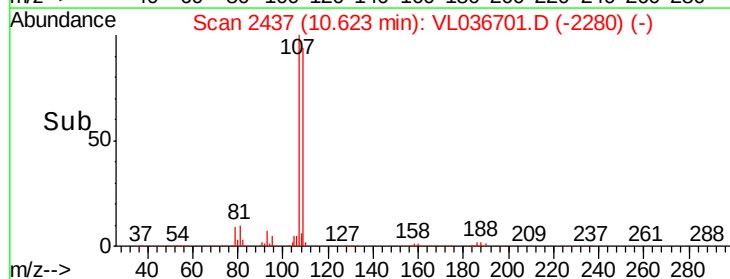
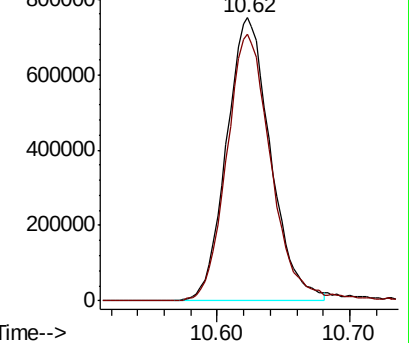
107 100

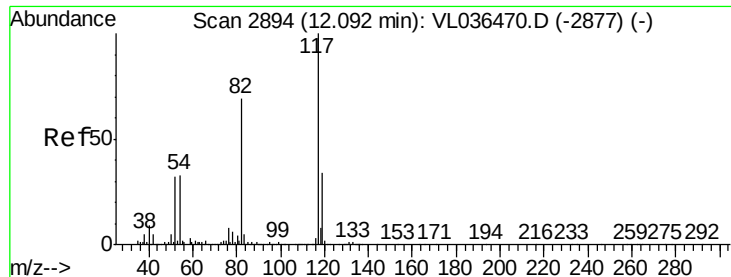
109 94.2 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

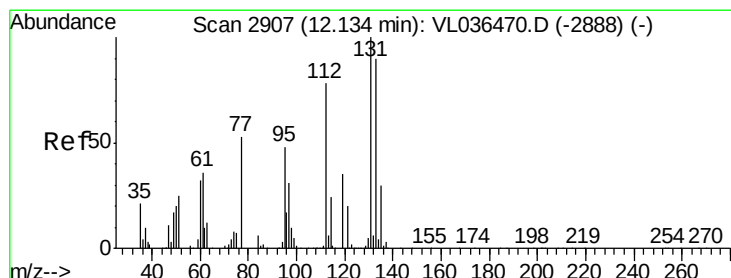
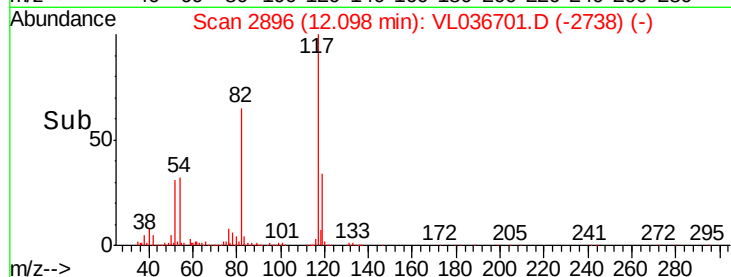
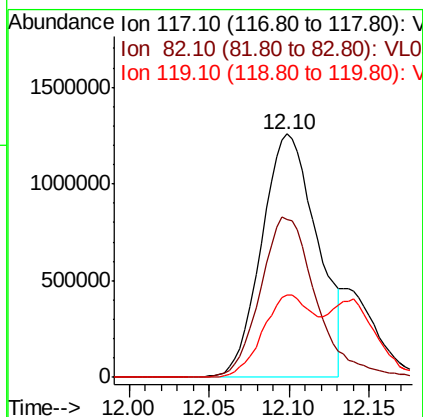
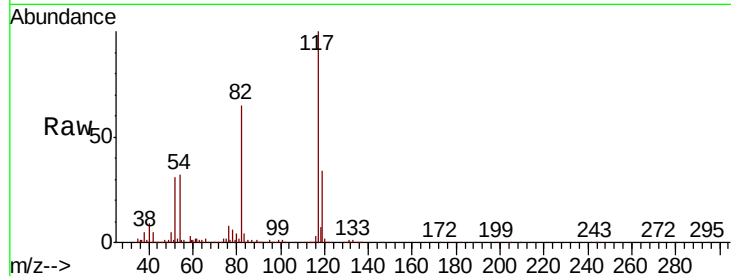




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.01 min
Lab File: VL036701.D
Acq: 6 Apr 2021 15:47

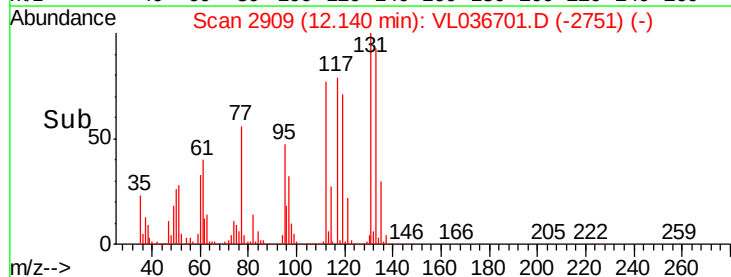
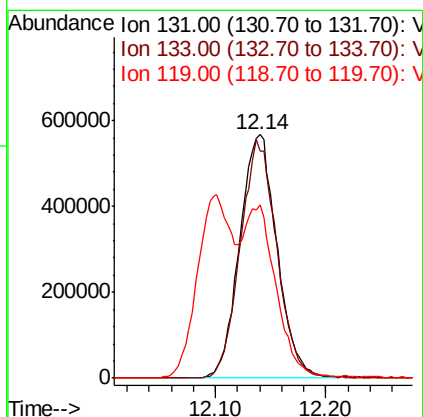
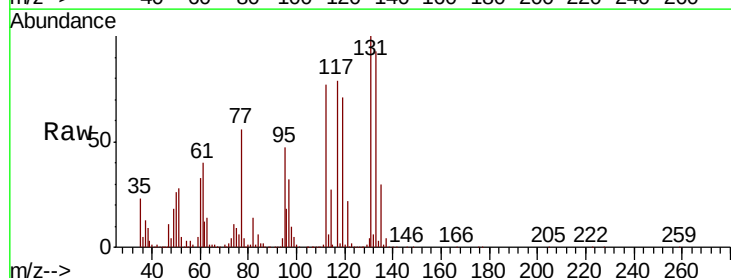
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

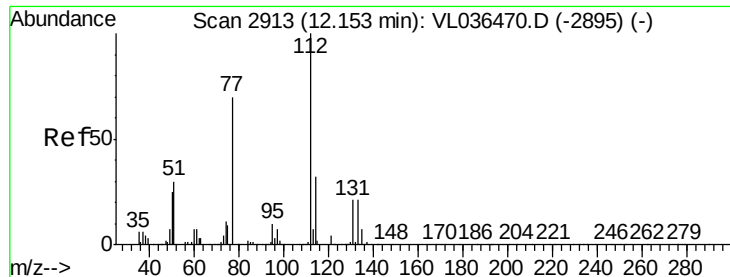
Tot Ion:117 Resp: 3025131
Ion Ratio Lower Upper
117 100
82 67.4 57.4 86.0
119 34.1 47.4 71.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.713 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.01 min
Lab File: VL036701.D
Acq: 6 Apr 2021 15:47

Tgt Ion:131 Resp: 1329032
Ion Ratio Lower Upper
131 100
133 96.2 75.8 113.6
119 62.4 48.7 73.1

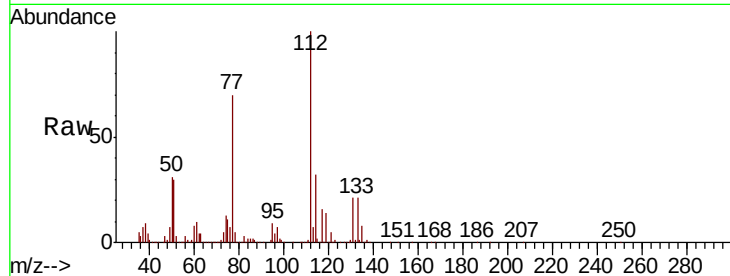




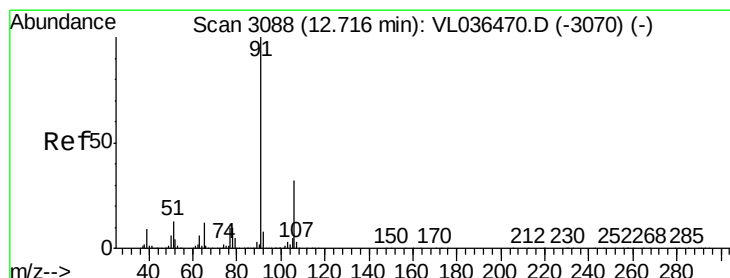
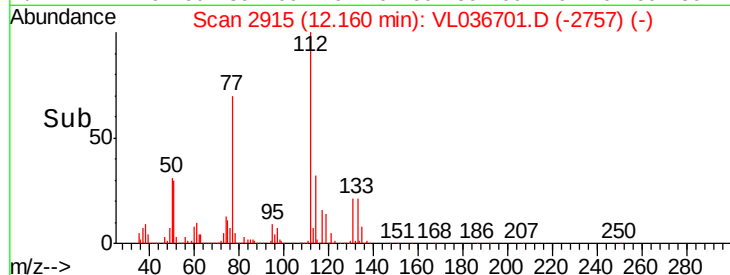
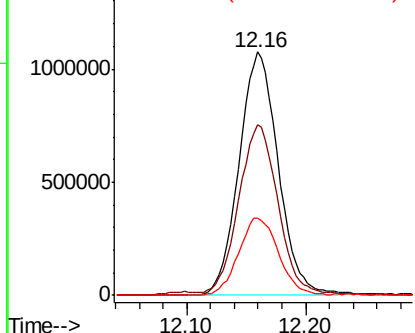
#57
Chlorobenzene
Concen: 9.528 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.01 min
Lab File: VL036701.D
Acq: 6 Apr 2021 15:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:112 Resp: 2452482
Ion Ratio Lower Upper
112 100
77 69.2 56.0 84.0
114 31.4 29.0 35.4

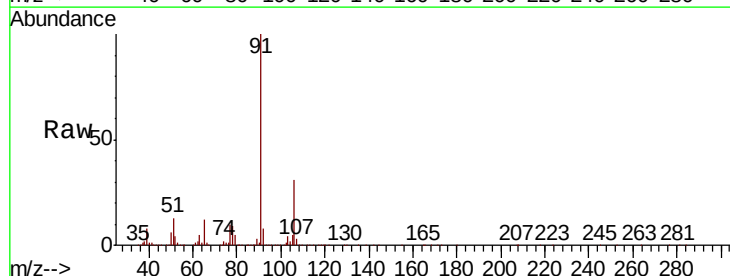


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

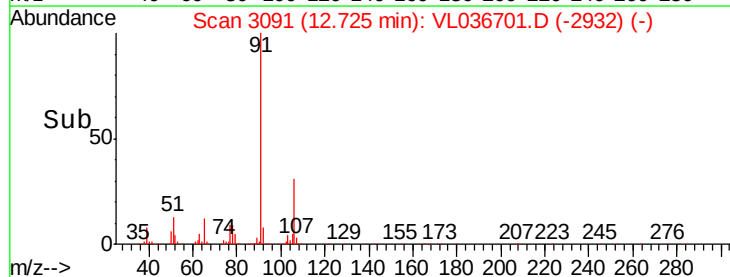
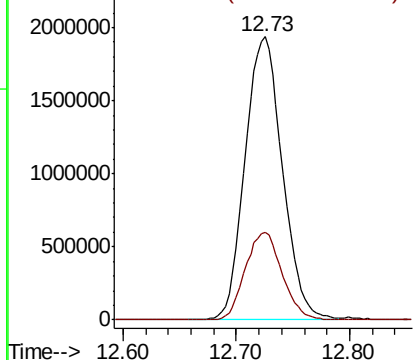


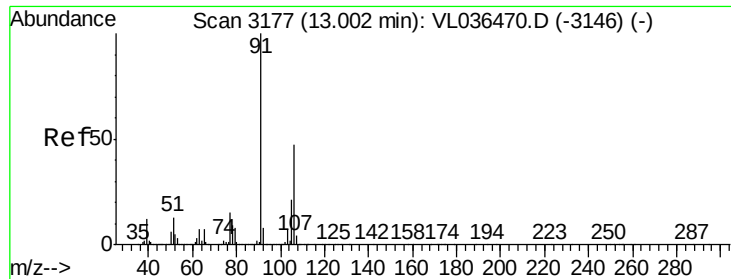
#58
Ethyl Benzene
Concen: 10.117 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. 0.01 min
Lab File: VL036701.D
Acq: 6 Apr 2021 15:47

Tgt Ion: 91 Resp: 4452657
Ion Ratio Lower Upper
91 100
106 30.8 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 10.224 ppbv

RT: 13.01 min Scan# 3179

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

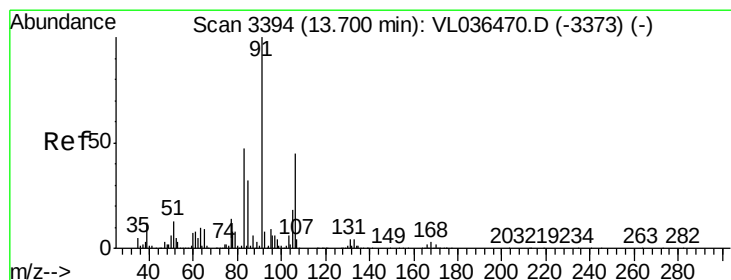
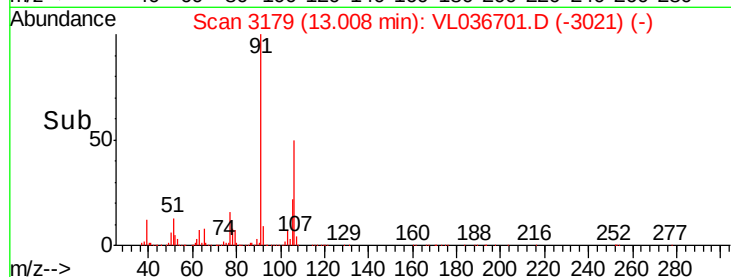
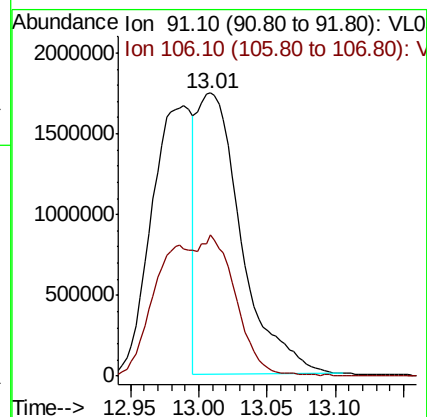
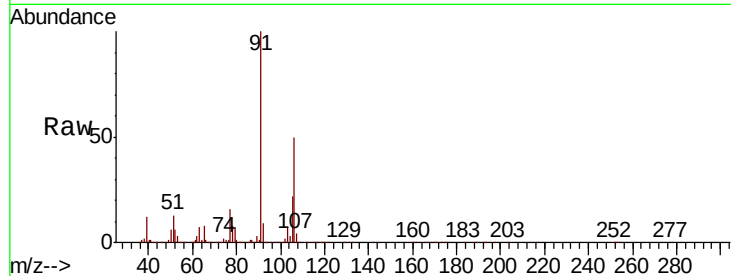
VSTDCCC010

Tot Ion: 91 Resp: 3924609

Ion Ratio Lower Upper

91 100

106 85.5 35.3 52.9#



#60

o-Xylene

Concen: 9.640 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. 0.01 min

Lab File: VL036701.D

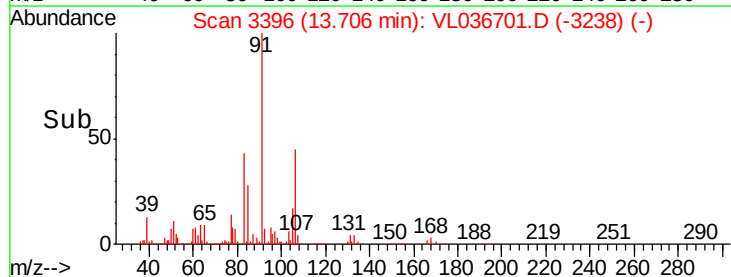
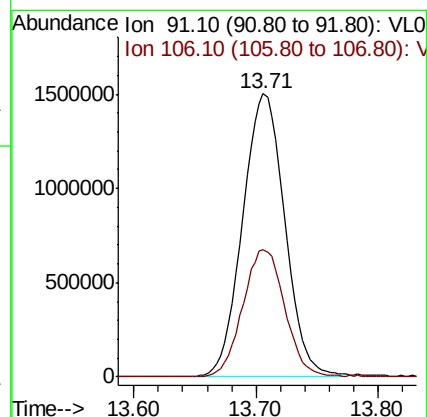
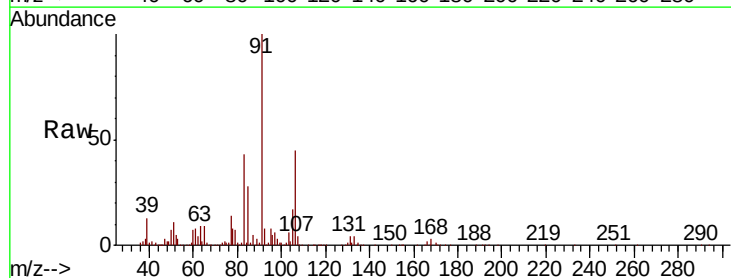
Acq: 6 Apr 2021 15:47

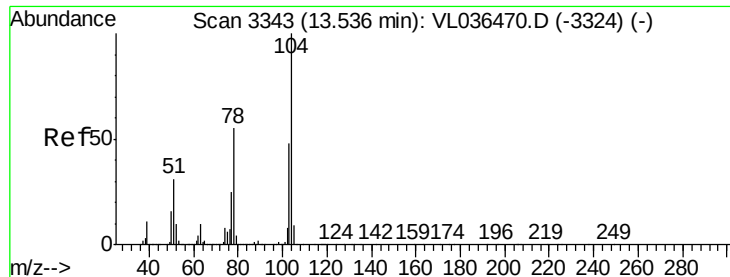
Tgt Ion: 91 Resp: 3578132

Ion Ratio Lower Upper

91 100

106 45.2 22.3 66.9





#61

Stvrene

Concen: 11.219 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

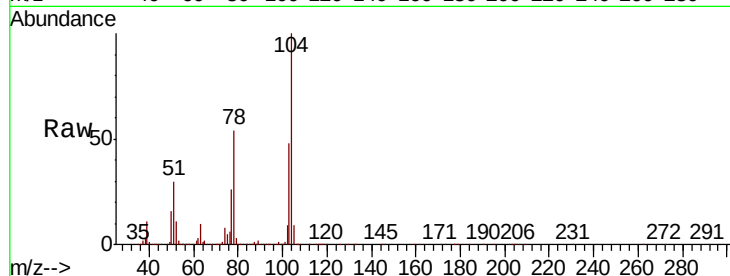
Tot Ion:104 Resp: 2095076

Ion Ratio Lower Upper

104 100

78 53.3 43.8 65.8

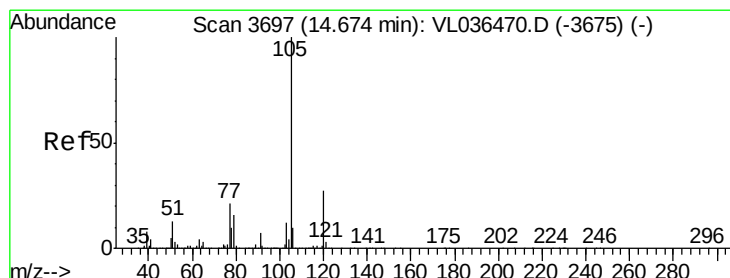
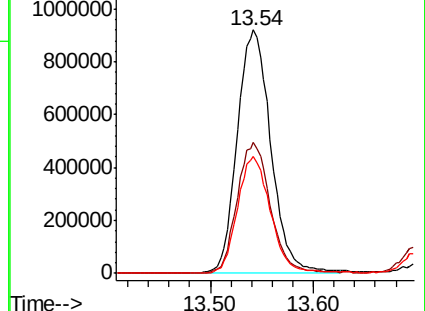
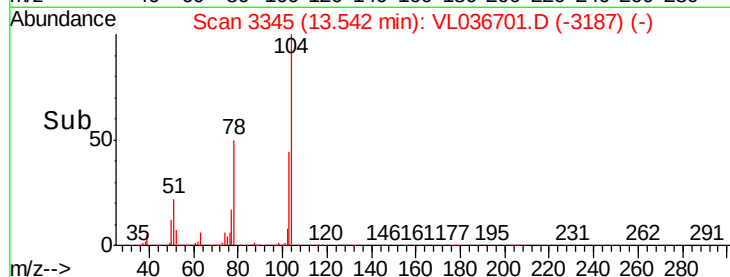
103 47.5 38.3 57.5



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: 9.651 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. 0.01 min

Lab File: VL036701.D

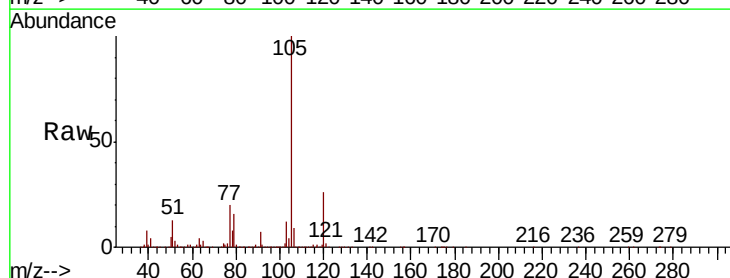
Acq: 6 Apr 2021 15:47

Tgt Ion:105 Resp: 4823857

Ion Ratio Lower Upper

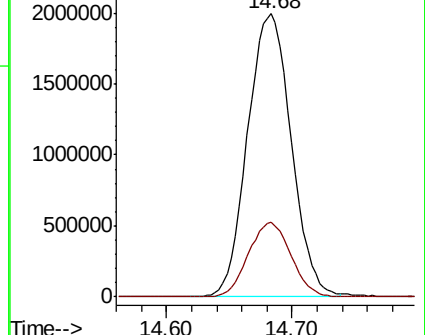
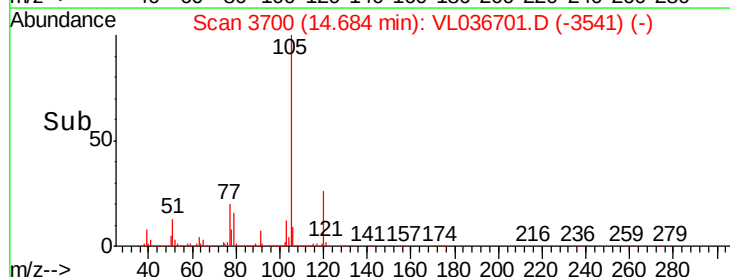
105 100

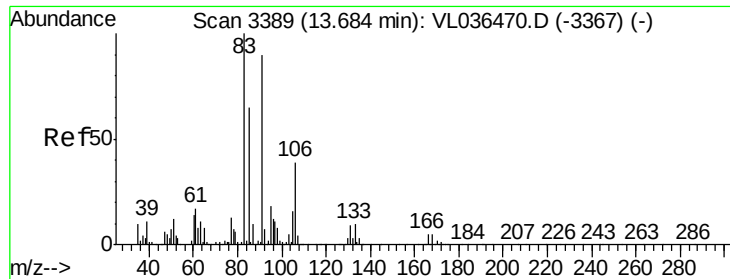
120 25.9 20.6 31.0



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: 9.097 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

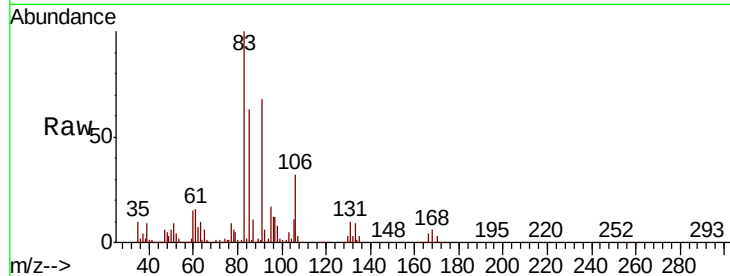
Tot Ion: 83 Resp: 2575700

Ion Ratio Lower Upper

83 100

131 9.6 4.7 14.0

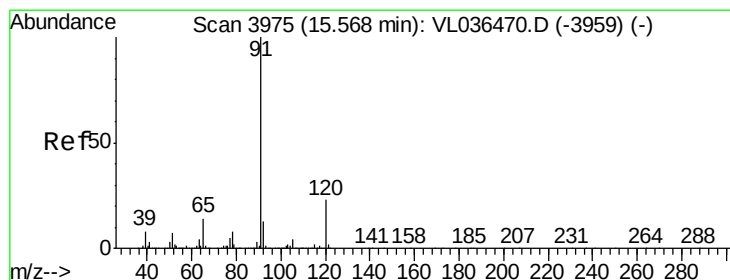
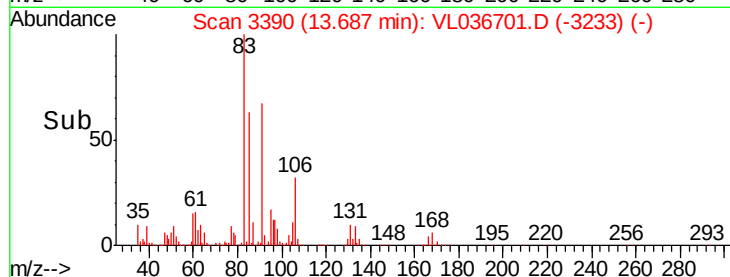
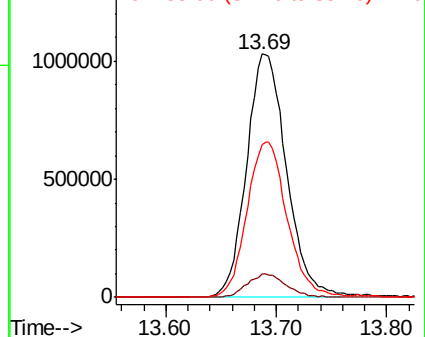
85 65.0 33.1 99.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.372 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. 0.01 min

Lab File: VL036701.D

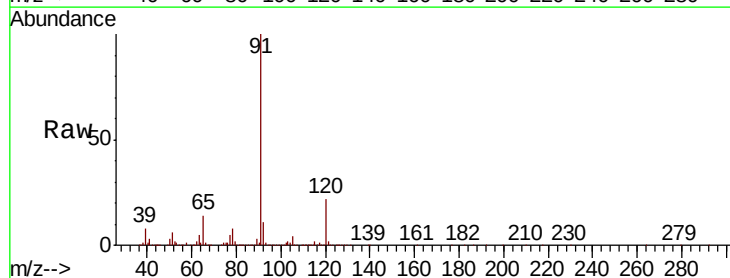
Acq: 6 Apr 2021 15:47

Tgt Ion: 120 Resp: 1267483

Ion Ratio Lower Upper

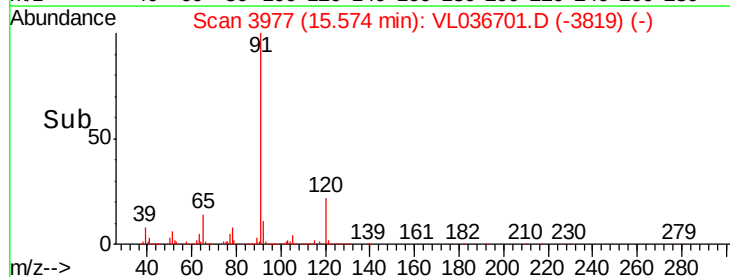
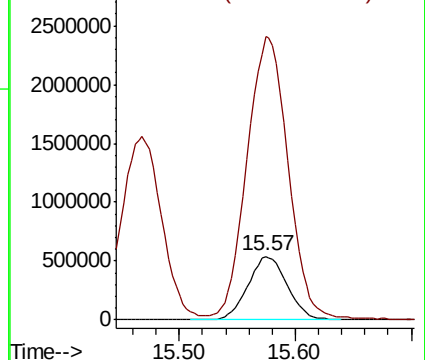
120 100

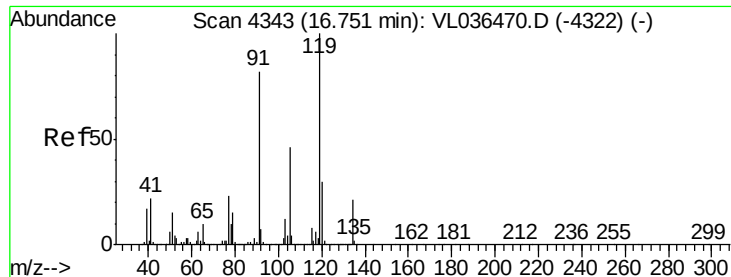
91 471.3 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.716 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

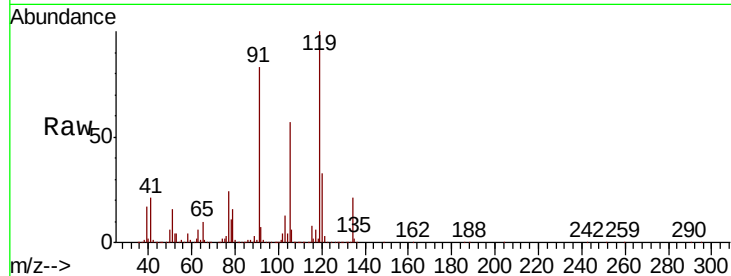
Tot Ion:119 Resp: 4211350

Ion Ratio Lower Upper

119 100

91 84.9 67.5 101.3

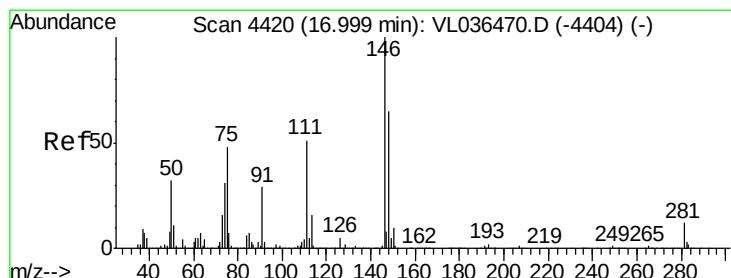
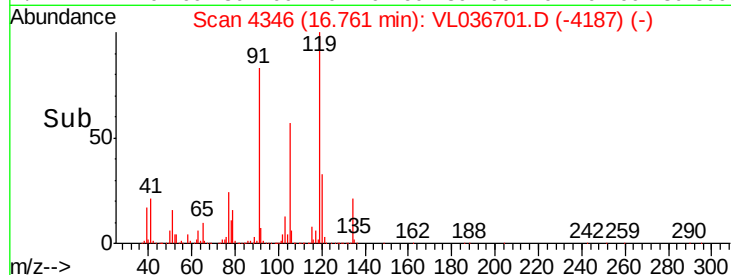
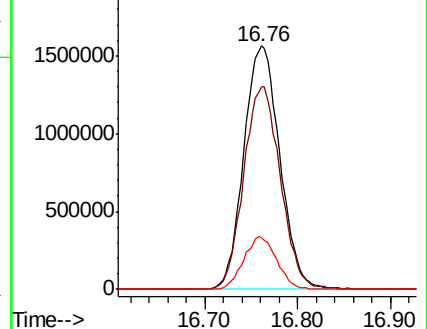
134 19.9 15.8 23.8



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: 3.823 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

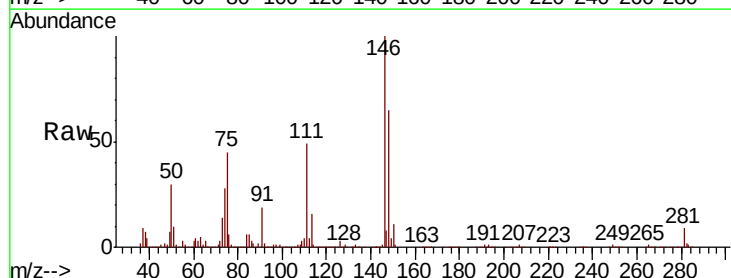
Tgt Ion: 91 Resp: 183157

Ion Ratio Lower Upper

91 100

126 0.0 13.5 20.3#

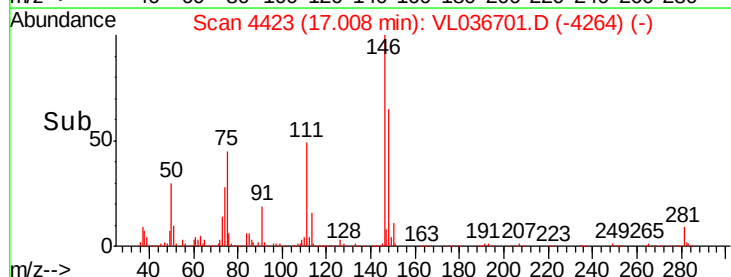
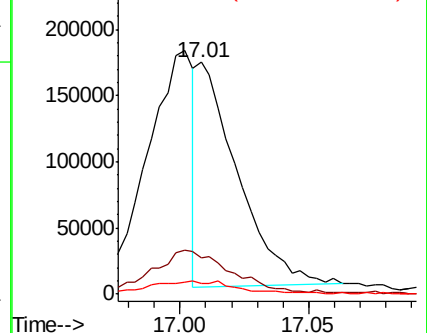
128 13.8 4.2 6.4#

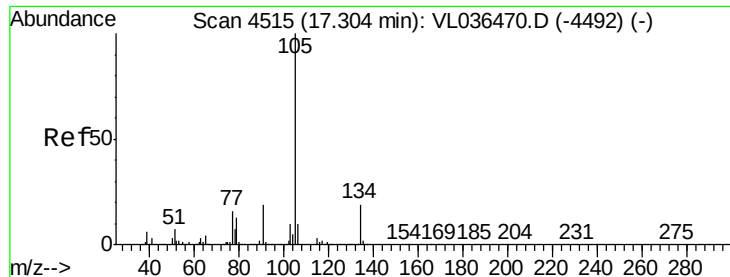


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

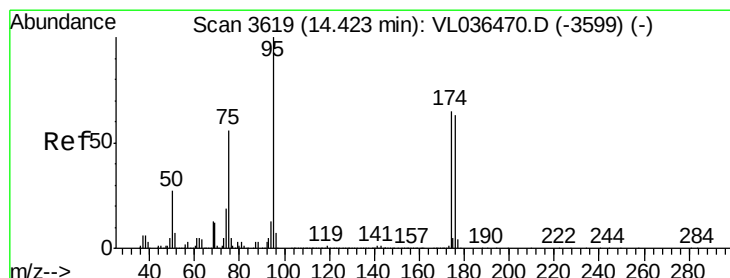
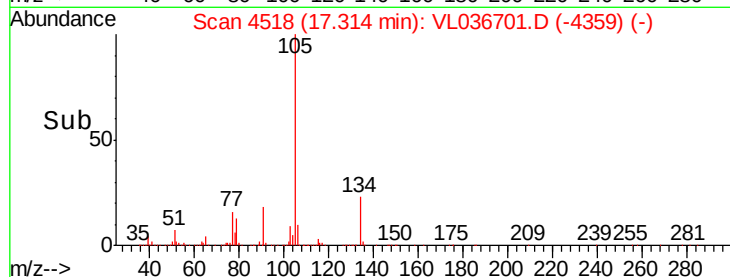
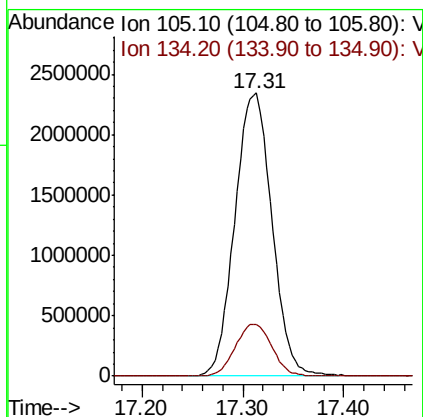
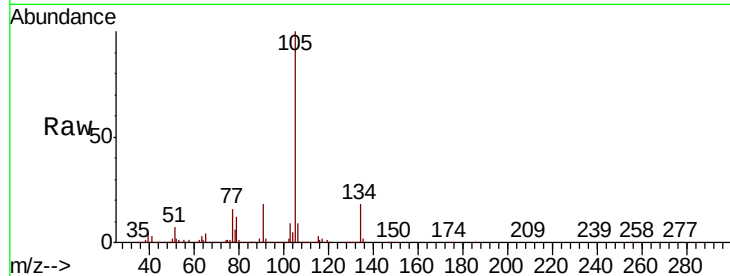




#67
 sec-Butylbenzene
 Concen: 9.759 ppbv
 RT: 17.31 min Scan# 4518
 Delta R.T. 0.01 min
 Lab File: VL036701.D
 Acq: 6 Apr 2021 15:47

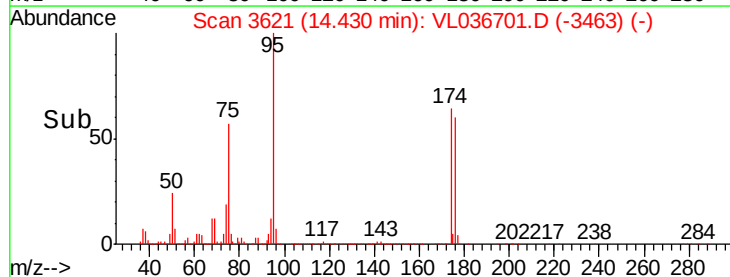
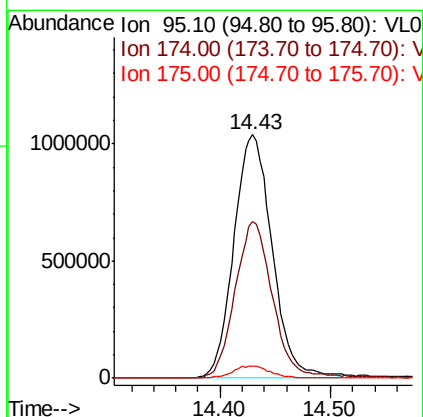
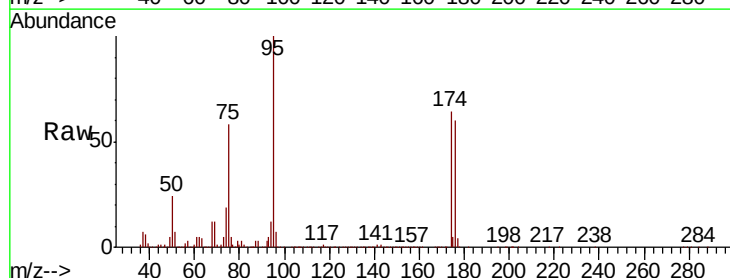
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

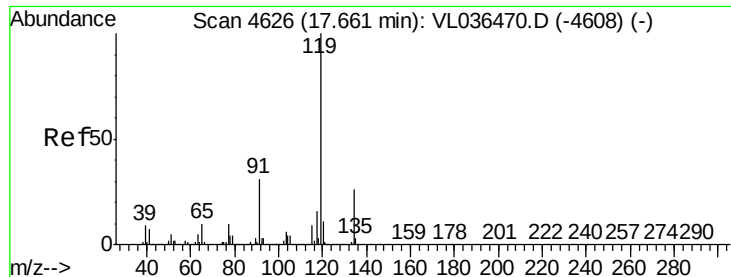
Tot Ion:105 Resp: 5970823
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.364 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. 0.01 min
 Lab File: VL036701.D
 Acq: 6 Apr 2021 15:47

Tgt Ion: 95 Resp: 2498864
 Ion Ratio Lower Upper
 95 100
 174 64.1 51.0 76.6
 175 4.9 3.9 5.9





#69

p-Isopropyltoluene

Concen: 10.358 ppbv

RT: 17.67 min Scan# 4628

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

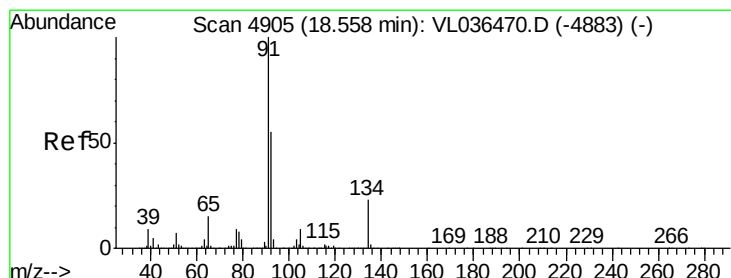
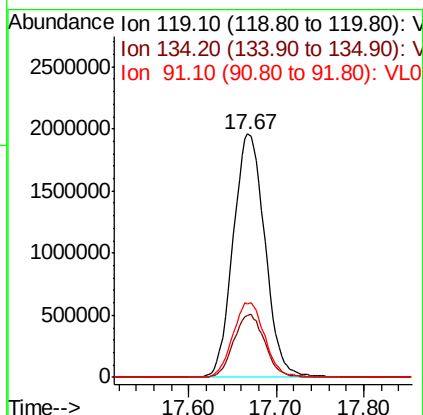
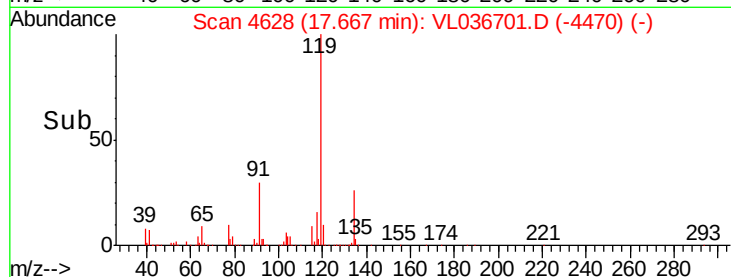
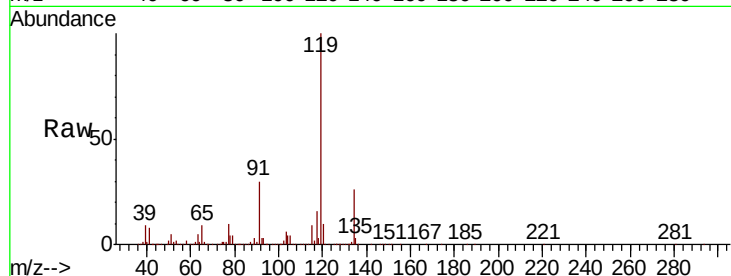
Tot Ion:119 Resp: 4948810

Ion Ratio Lower Upper

119 100

134 25.4 20.6 30.8

91 30.7 25.0 37.6



#70

n-Butylbenzene

Concen: 10.226 ppbv

RT: 18.57 min Scan# 4908

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

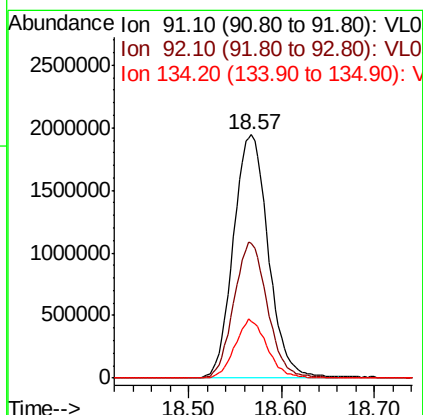
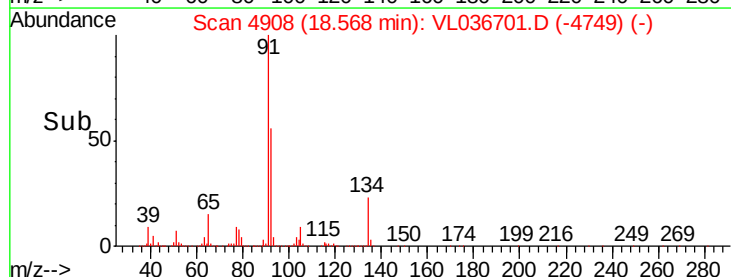
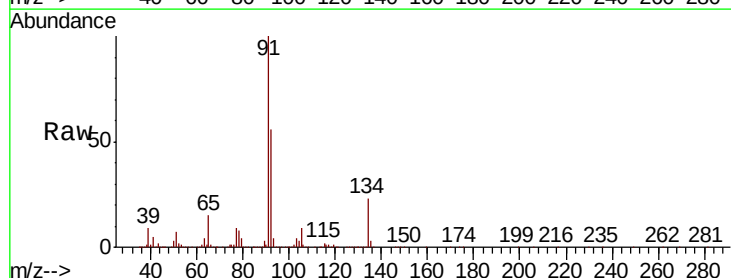
Tgt Ion: 91 Resp: 5065848

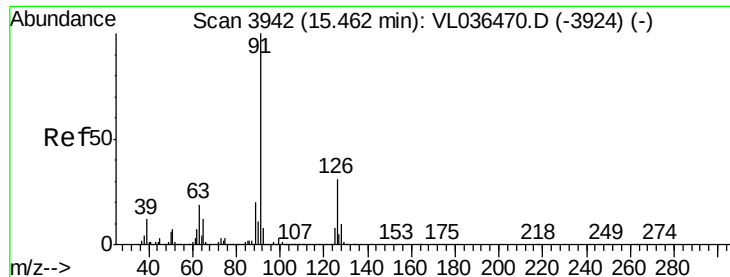
Ion Ratio Lower Upper

91 100

92 54.1 43.8 65.8

134 22.4 18.0 27.0





#71

2-Chlorotoluene

Concen: 10.032 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

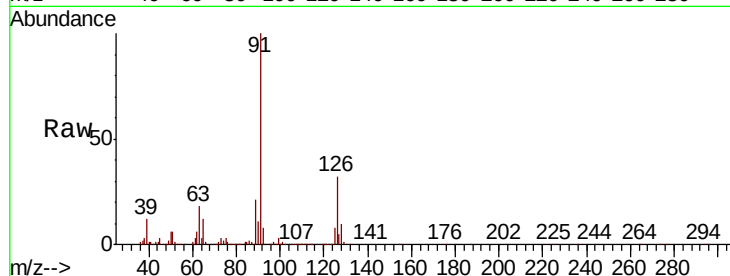
VSTDCCC010

Tot Ion: 91 Resp: 3757370

Ion Ratio Lower Upper

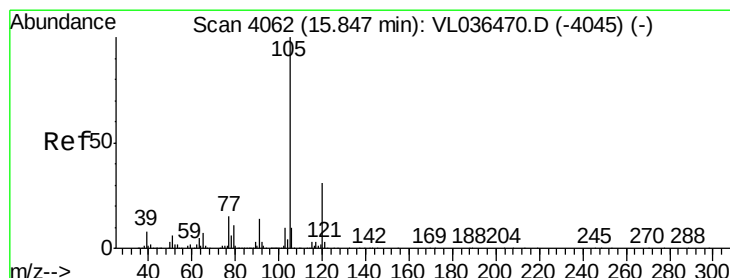
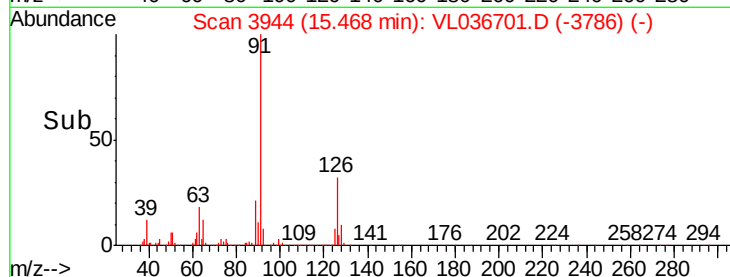
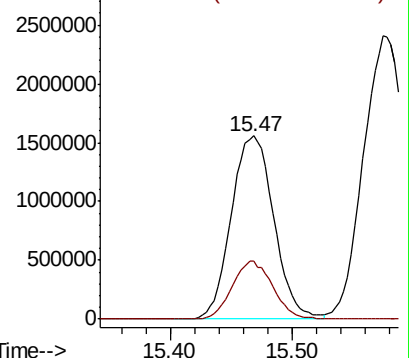
91 100

126 30.8 12.1 48.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.362 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Tgt Ion:105 Resp: 4214408

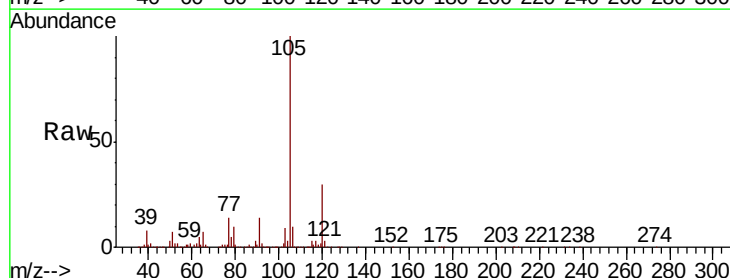
Ion Ratio Lower Upper

105 100

120 29.9 24.0 36.0

91 13.6 11.0 16.4

77 14.9 11.7 17.5

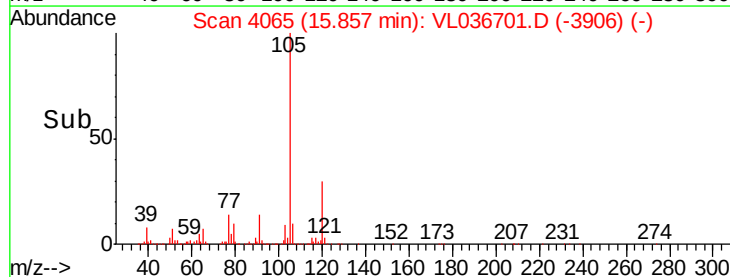
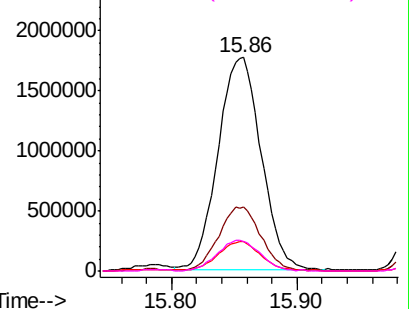


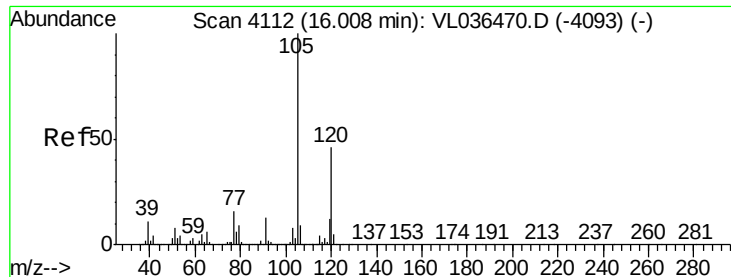
Abundance Ion 105.10 (104.80 to 105.80): V

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

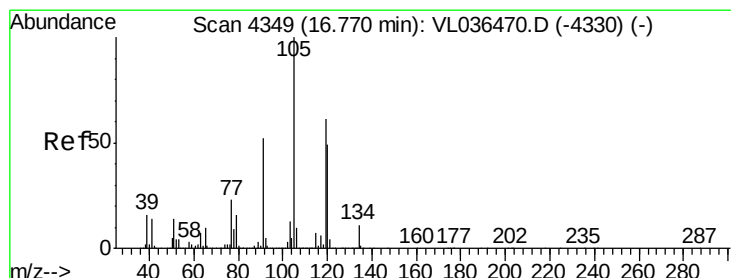
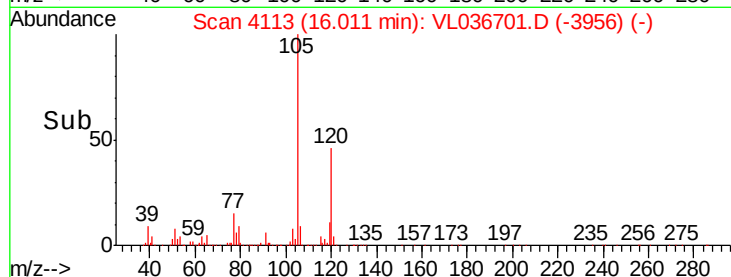
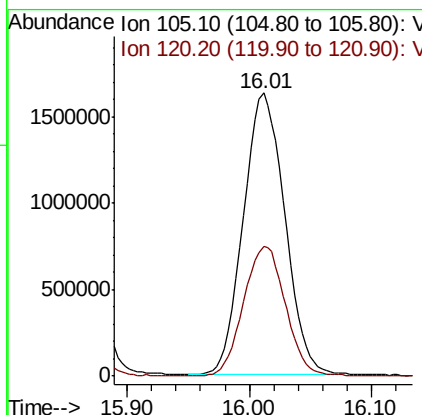
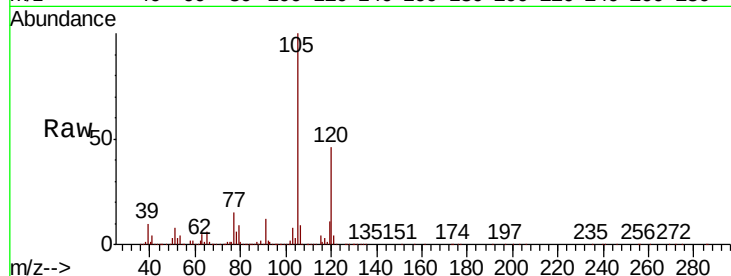




#73
 1,3,5-Trimethylbenzene
 Concen: 10.121 ppbv
 RT: 16.01 min Scan# 4113
 Delta R.T. 0.00 min
 Lab File: VL036701.D
 Acq: 6 Apr 2021 15:47

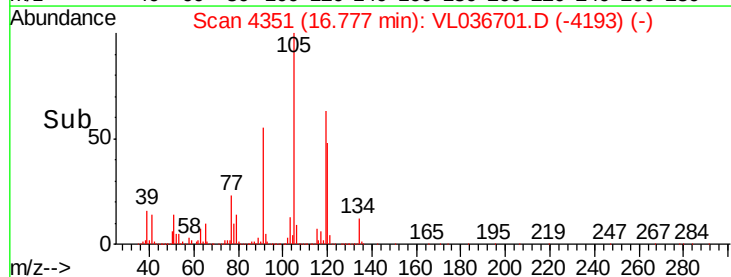
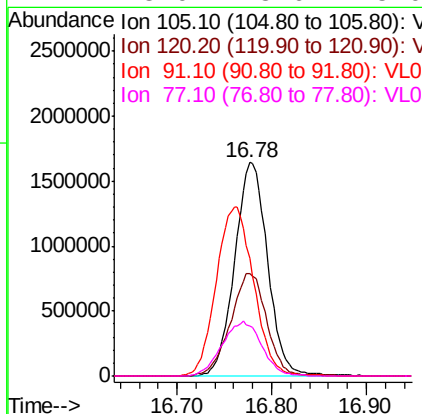
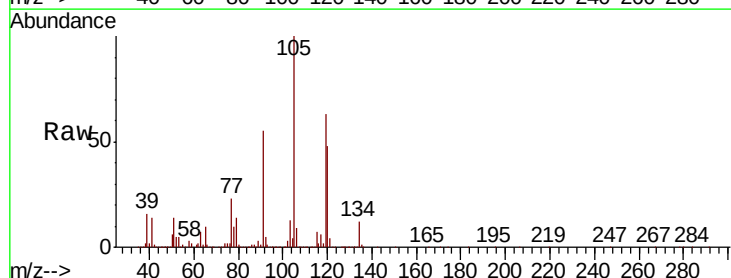
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

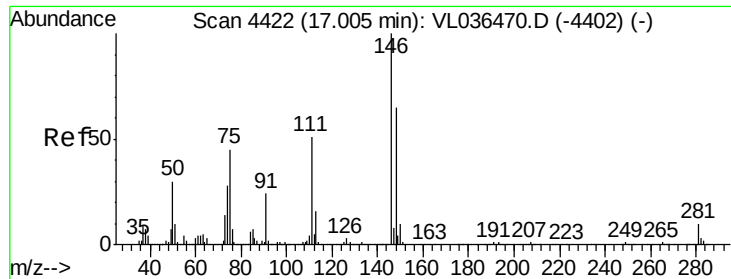
Tot Ion:105 Resp: 3842165
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.6 54.8



#74
 1,2,4-Trimethylbenzene
 Concen: 9.777 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. 0.01 min
 Lab File: VL036701.D
 Acq: 6 Apr 2021 15:47

Tgt Ion:105 Resp: 3971733
 Ion Ratio Lower Upper
 105 100
 120 48.0 39.2 58.8
 91 54.8 42.6 64.0
 77 23.0 18.6 28.0

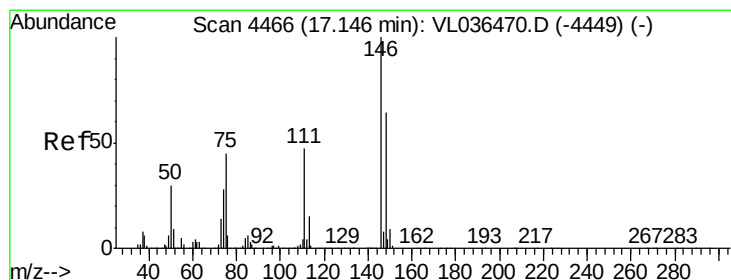
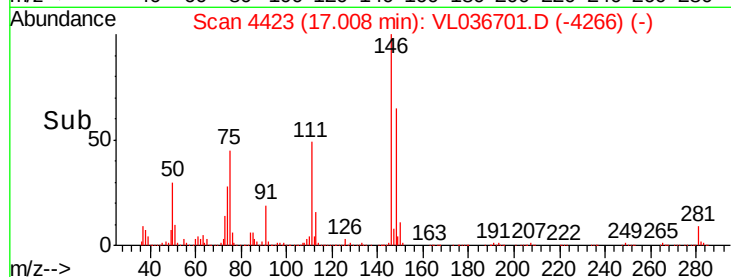
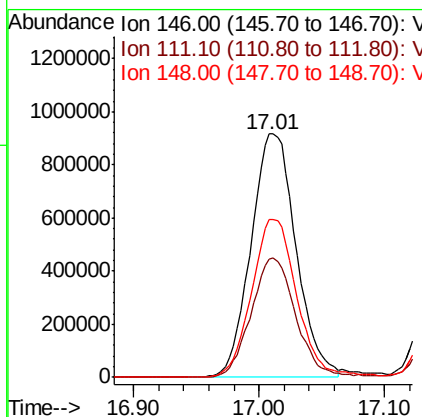
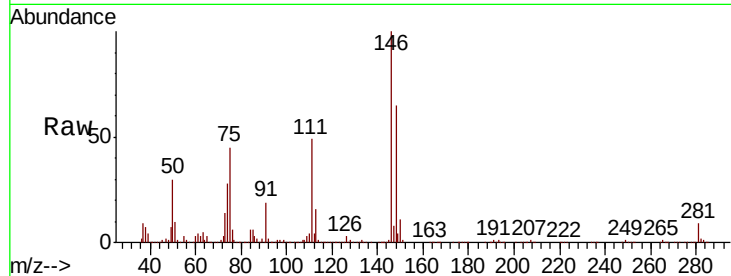




#75
 1,3-Dichlorobenzene
 Concen: 10.026 ppbv
 RT: 17.01 min Scan# 4423
 Delta R.T. 0.00 min
 Lab File: VL036701.D
 Acq: 6 Apr 2021 15:47

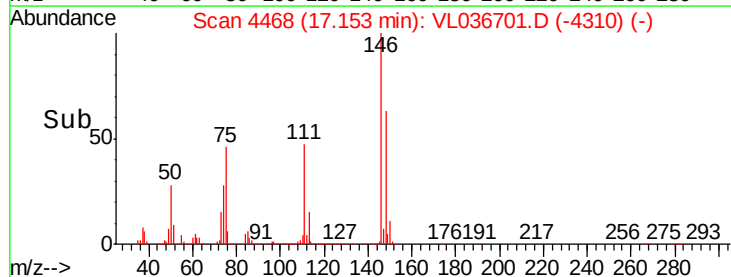
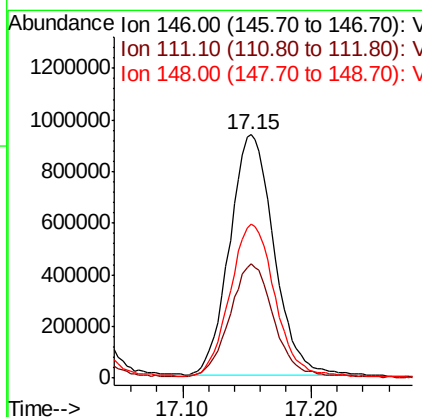
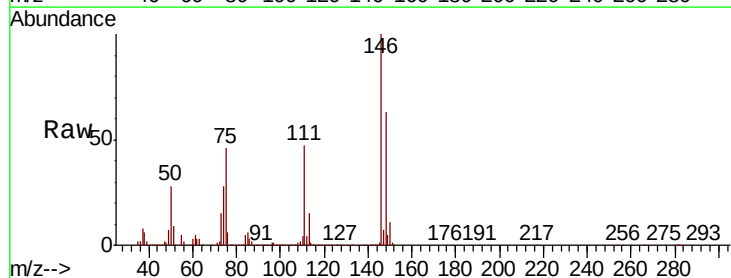
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

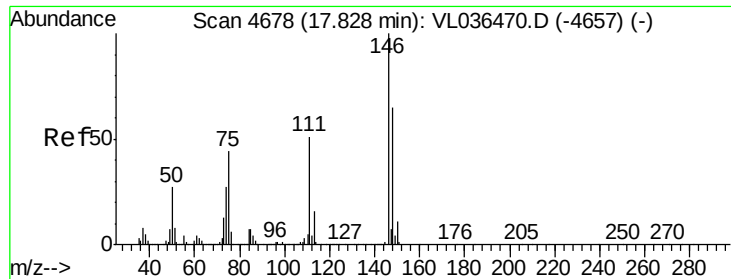
Tot Ion:146 Resp: 2292439
 Ion Ratio Lower Upper
 146 100
 111 48.7 24.5 73.5
 148 65.4 32.3 96.9



#76
 1,4-Dichlorobenzene
 Concen: 9.751 ppbv
 RT: 17.15 min Scan# 4468
 Delta R.T. 0.01 min
 Lab File: VL036701.D
 Acq: 6 Apr 2021 15:47

Tgt Ion:146 Resp: 2213677
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.3 72.8
 148 66.9 33.0 98.9





#77

1,2-Dichlorobenzene

Concen: 10.114 ppbv

RT: 17.83 min Scan# 4679

Delta R.T. 0.00 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

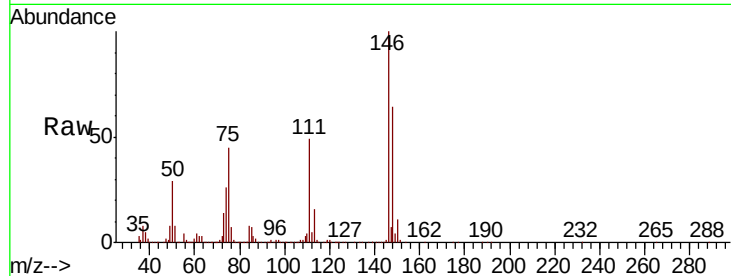
Tot Ion:146 Resp: 2173838

Ion Ratio Lower Upper

146 100

111 50.1 25.5 76.5

148 65.3 32.9 98.6

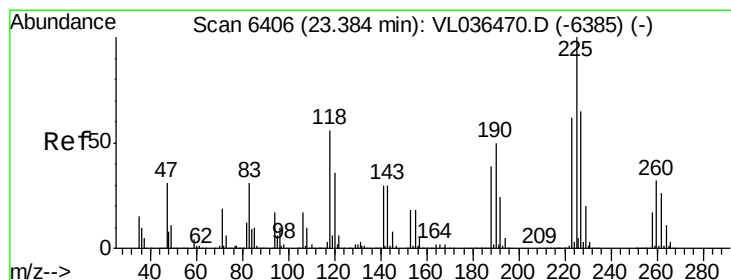
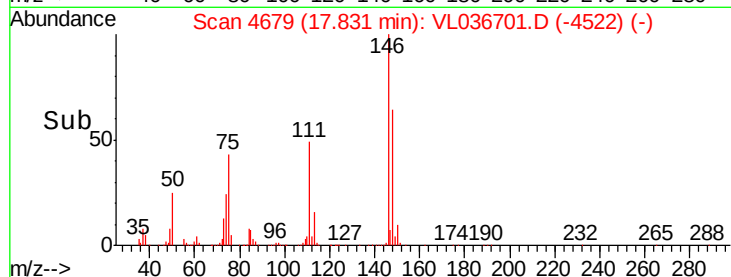
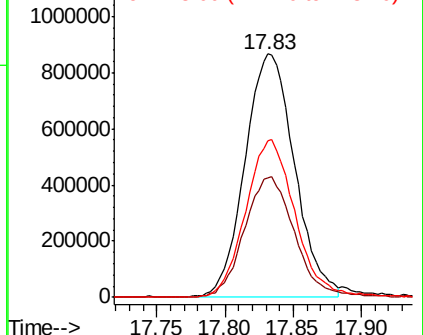


Abundance

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: 8.507 ppbv

RT: 23.39 min Scan# 6409

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

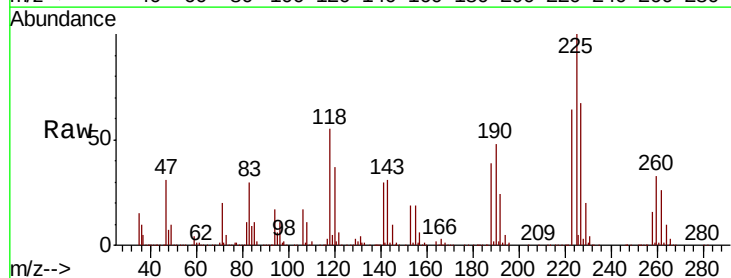
Tgt Ion:225 Resp: 1637433

Ion Ratio Lower Upper

225 100

223 63.5 50.6 75.8

227 65.1 52.2 78.2

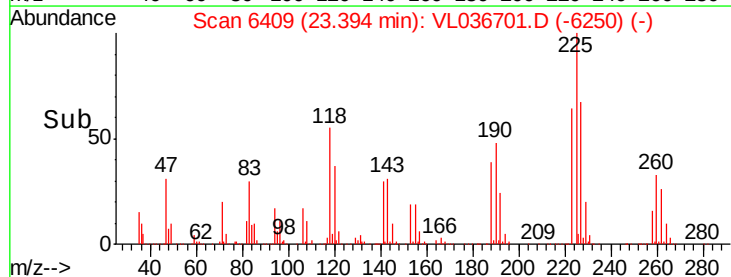
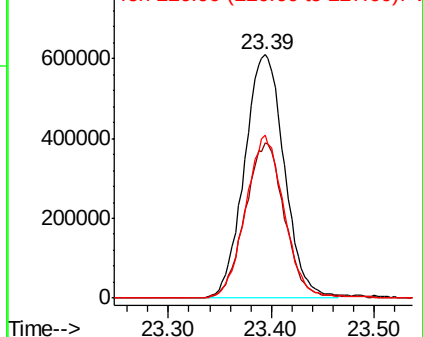


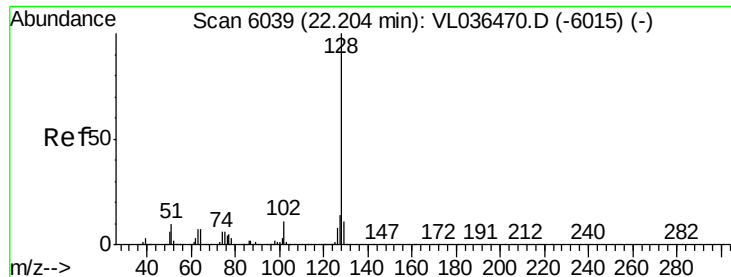
Abundance

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: 10.913 ppbv

RT: 22.22 min Scan# 6044

Delta R.T. 0.02 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

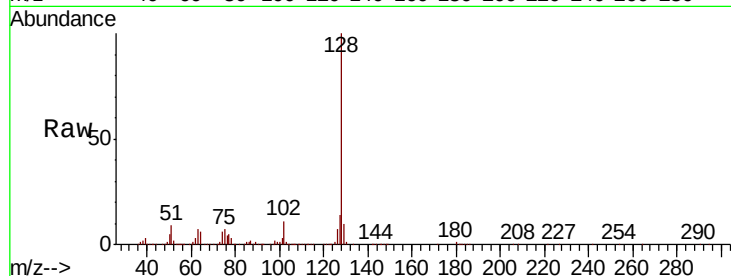
Tot Ion:128 Resp: 2586794

Ion Ratio Lower Upper

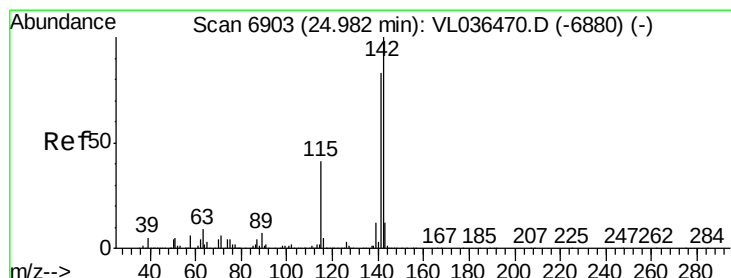
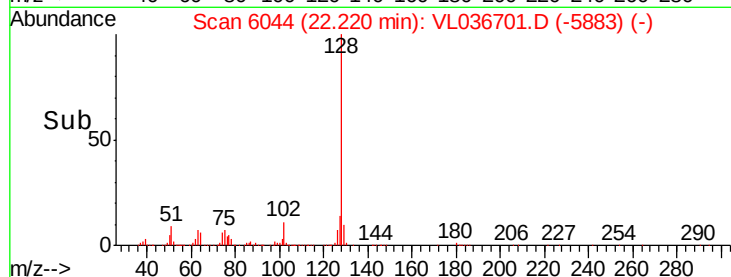
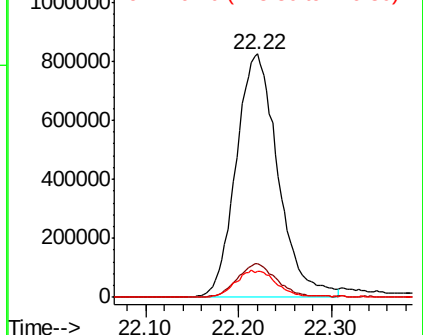
128 100

127 13.5 10.9 16.3

129 10.5 9.0 13.4



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.567 ppbv

RT: 24.99 min Scan# 6906

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

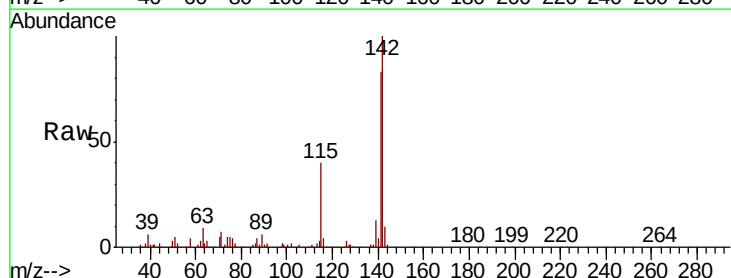
Tgt Ion:142 Resp: 493932

Ion Ratio Lower Upper

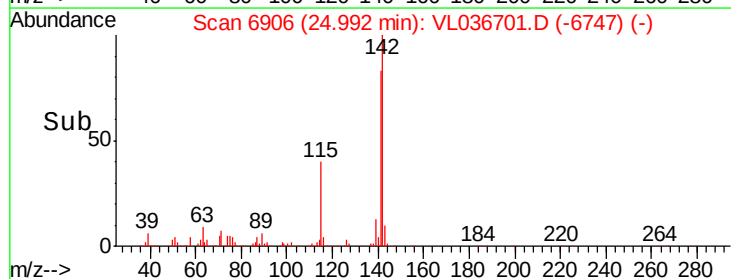
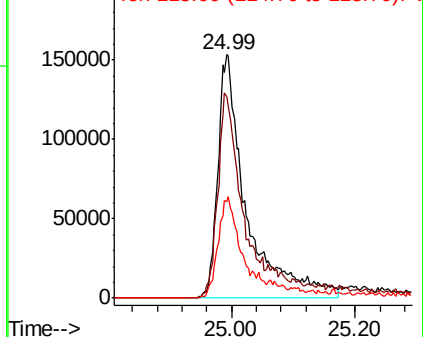
142 100

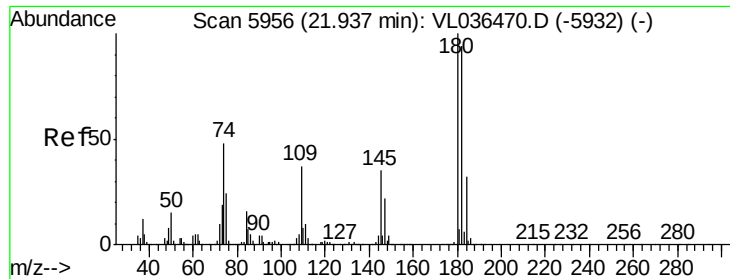
141 81.9 67.8 101.8

115 40.8 34.0 51.0



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 10.292 ppbv

RT: 21.95 min Scan# 5959

Delta R.T. 0.01 min

Lab File: VL036701.D

Acq: 6 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

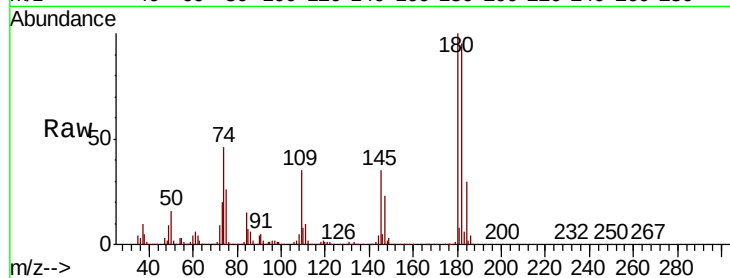
Tot Ion:180 Resp: 1506331

Ion Ratio Lower Upper

180 100

182 102.1 80.8 121.2

184 32.7 25.0 37.4



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

