

Data File : VL036785.D

Acq On : 12 Apr 2021 9:26

Operator : SY/AP

Sample : VSTDCCC010

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Quant Time: Apr 12 16:18:26 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	5.68	49	1560107	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	3899511	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	4090425	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2256041	6.92	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	69.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	2269132	8.917	ppbv	97
3) Chlorodifluoromethane	2.99	51	2642900	9.067	ppbv	99
4) Chloromethane	3.14	50	981416	9.532	ppbv	97
5) Vinyl Chloride	3.26	62	941218	8.891	ppbv	100
6) Bromomethane	3.48	94	547835	9.399	ppbv	99
7) Chloroethane	3.56	64	336626	9.254	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2264158	9.323	ppbv	100
9) Propene	3.02	41	841526	9.056	ppbv	99
10) Heptane	8.14	43	2234147	9.438	ppbv	98
11) Trichlorofluoromethane	3.96	101	2330435	8.987	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1529965	9.228	ppbv	98
13) Ethanol	3.61	45	110460	9.982	ppbv	100
14) Bromoethene	3.75	108	653873	9.486	ppbv	99
15) Acetone	3.86	43	1289538	8.398	ppbv	100
16) 1,3-Butadiene	3.33	39	960233	8.982	ppbv	97
17) tert-Butyl alcohol	4.30	59	1437191	10.752	ppbv	100
18) 1,1-Dichloroethene	4.30	96	676563	9.174	ppbv	95
19) Isopropyl Alcohol	3.98	45	823911	9.754	ppbv	99
20) Methylene Chloride	4.35	84	597799	8.315	ppbv	96
21) Allyl Chloride	4.42	41	1109106	9.061	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	622642	9.107	ppbv	92
23) Vinyl Acetate	5.09	43	2506517	9.543	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1767717	9.233	ppbv	99
25) Ethyl Acetate	5.69	43	3401879	9.319	ppbv	100
26) Hexane	5.70	57	1606045	9.480	ppbv	98
27) Carbon Disulfide	4.56	76	1671212	10.014	ppbv	97
28) Methyl tert-Butyl Ether	5.05	73	1886996	9.445	ppbv	98
29) Chloroform	5.77	83	2573306	9.498	ppbv	99
30) Cyclohexane	7.15	84	1348145	9.812	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1566556	9.561	ppbv	95
32) 1,1,1-Trichloroethane	6.53	97	2571771	9.419	ppbv	99
34) 2-Butanone	5.26	43	1683859	8.846	ppbv	98
35) Carbon Tetrachloride	7.03	117	2730757	9.117	ppbv	96
36) Benzene	6.91	78	3318741	9.228	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1916979	9.056	ppbv	99
38) Trichloroethene	7.85	130	1210306	8.647	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1314322	9.009	ppbv	97
40) 1,4-Dioxane	7.85	88	322801	9.507	ppbv	86
41) Tetrahydrofuran	6.07	42	783191	8.924	ppbv	95
42) Bromodichloromethane	7.81	83	2719669	9.446	ppbv	99
43) Methyl Methacrylate	8.03	69	1204096	9.971	ppbv	95

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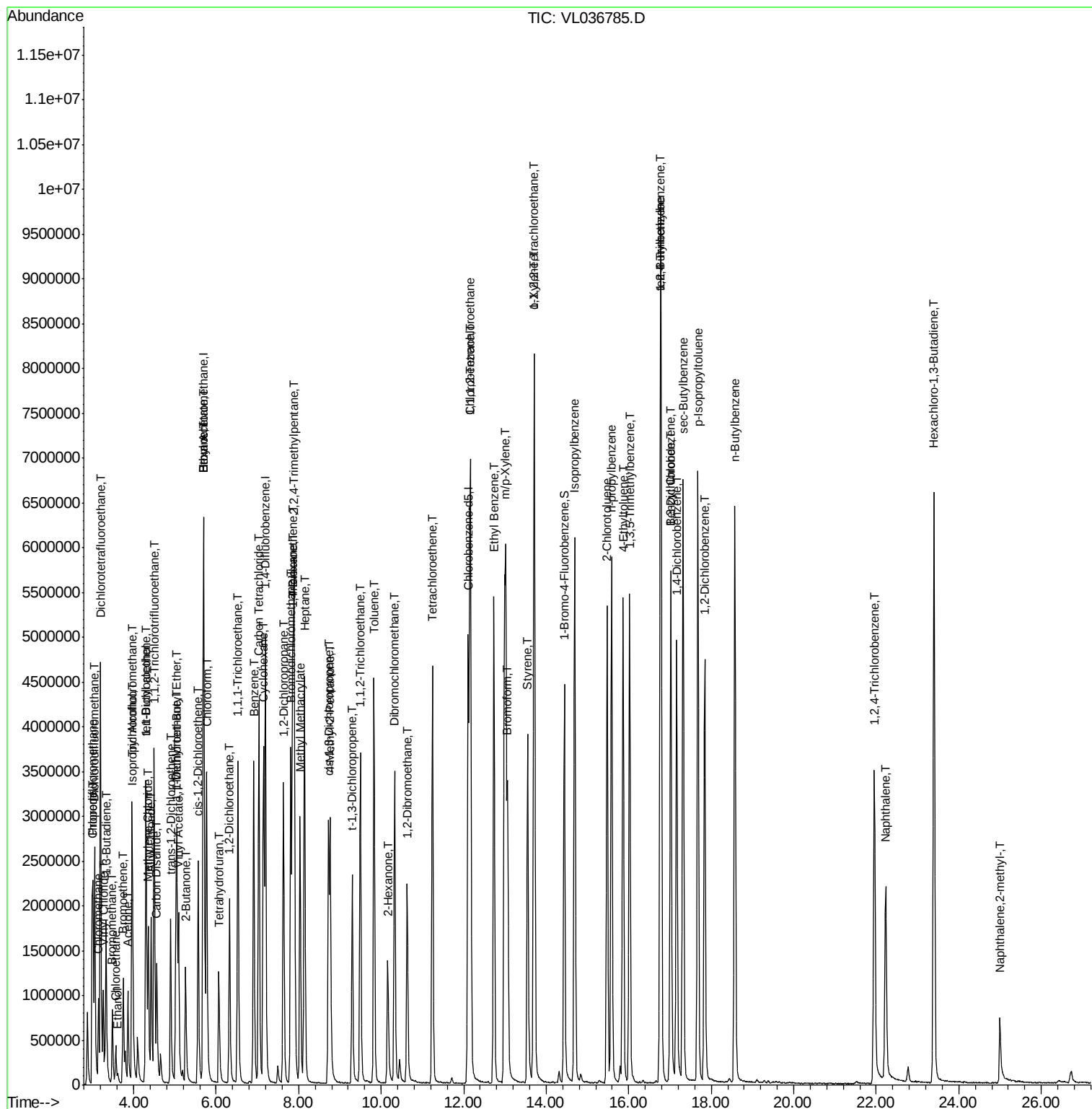
Response via : Initial Calibration

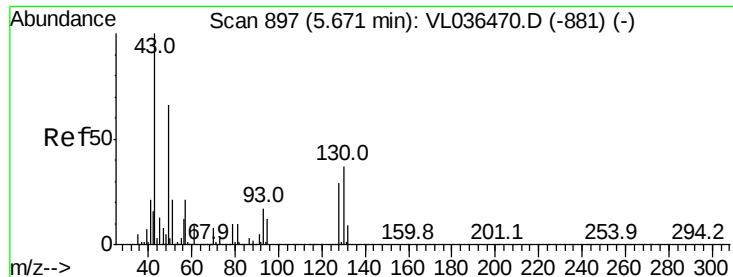
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5641279	8.912	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1413749	10.252	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1756566	9.965	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1382194	9.354	ppbv	97
48) Dibromochloromethane	10.33	129	2242857	9.957	ppbv	100
49) Bromoform	13.07	173	1875679	10.334	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	2566001	9.316	ppbv	100
51) 2-Hexanone	10.16	43	1367431	9.838	ppbv #	100
52) Tetrachloroethene	11.24	164	1123540	8.484	ppbv	96
53) Toluene	9.83	91	3760083	9.818	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1956575	9.376	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1527823	8.258	ppbv	100
57) Chlorobenzene	12.17	112	2764163	7.942	ppbv	99
58) Ethyl Benzene	12.73	91	5044182	8.476	ppbv	98
59) m/p-Xylene	13.02	91	2975812	5.733	ppbv #	1
60) o-Xylene	13.72	91	4050836	8.071	ppbv	99
61) Styrene	13.55	104	2365837	9.370	ppbv	98
62) Isopropylbenzene	14.69	105	5399294	7.989	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3013390	7.871	ppbv	99
64) n-propylbenzene	15.59	120	1433979	8.678	ppbv	99
65) tert-Butylbenzene	16.77	119	4778922	8.154	ppbv	100
66) Benzyl Chloride	17.01	91	644239	9.945	ppbv	99
67) sec-Butylbenzene	17.32	105	6700419	8.100	ppbv	100
69) p-Isopropyltoluene	17.68	119	5520658	8.546	ppbv	100
70) n-Butylbenzene	18.57	91	5745265	8.577	ppbv	99
71) 2-Chlorotoluene	15.48	91	4248048	8.388	ppbv	99
72) 4-Ethyltoluene	15.86	105	4764157	8.663	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	4316309	8.409	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	4465043	8.129	ppbv	99
75) 1,3-Dichlorobenzene	17.02	146	2569045	8.309	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2490206	8.112	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2483667	8.546	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1782828	6.850	ppbv	99
79) Naphthalene	22.23	128	2965330	9.252	ppbv	99
80) Naphthalene,2-methyl-	25.00	142	636550	10.071	ppbv	93
81) 1,2,4-Trichlorobenzene	21.96	180	1722987	8.707	ppbv	98

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

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MSVOA_L

ClientSampleId :

VSTDCCC010

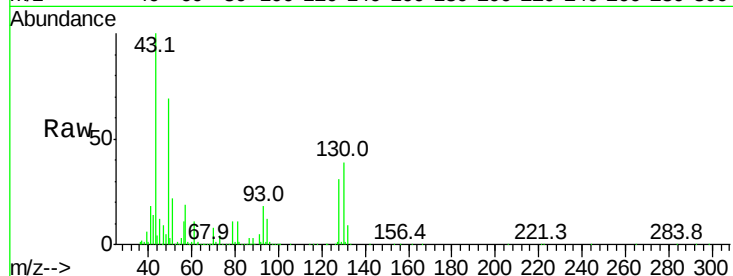
Tgt Ion: 49 Resp: 1560107

Ion Ratio Lower Upper

49 100

128 47.5 23.5 70.6

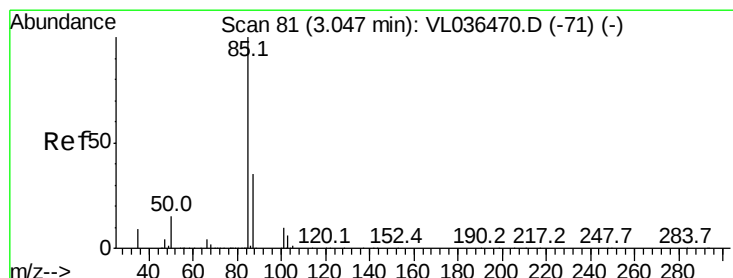
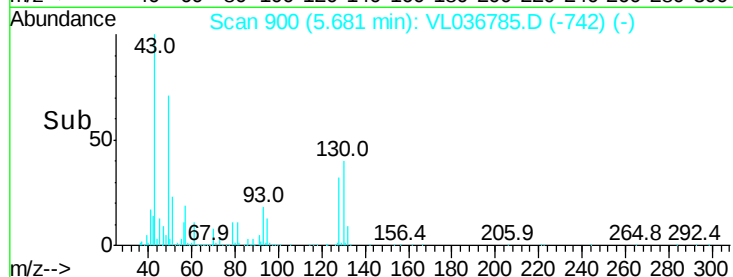
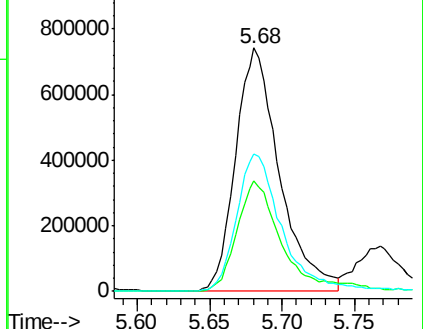
130 59.1 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.917 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL036785.D

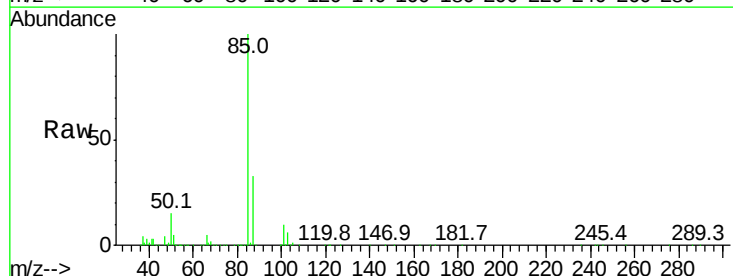
Acq: 12 Apr 2021 9:26

Tgt Ion: 85 Resp: 2269132

Ion Ratio Lower Upper

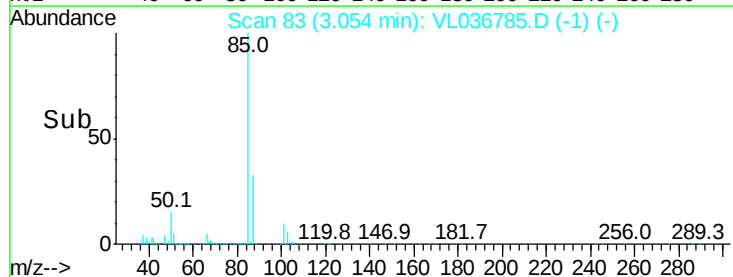
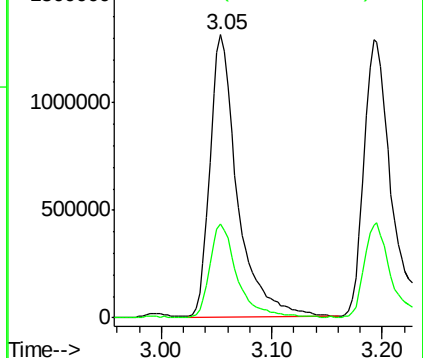
85 100

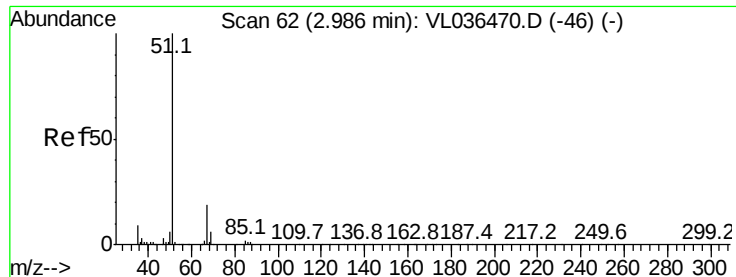
87 33.0 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

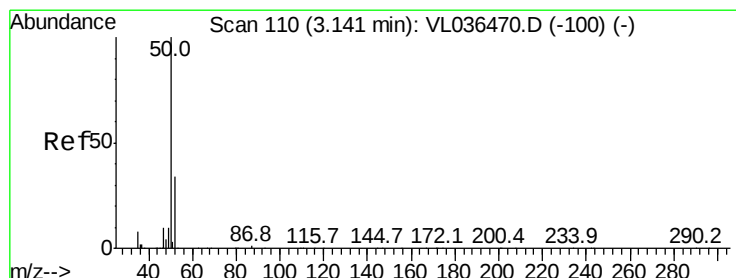
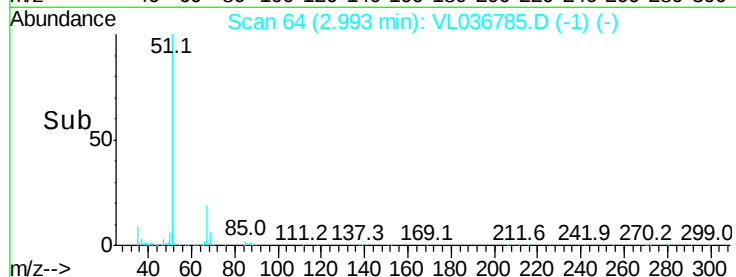
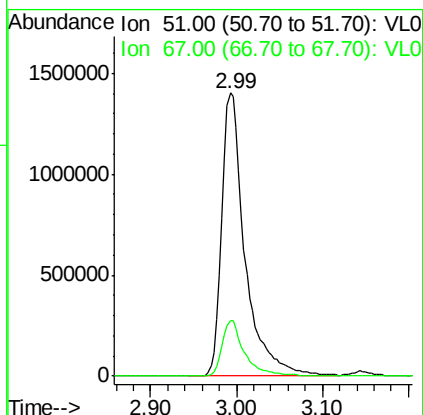
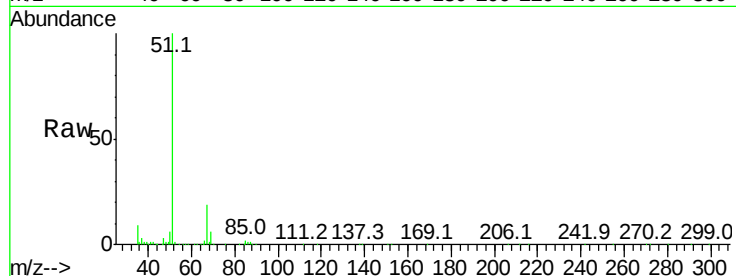




#3
Chlorodifluoromethane
Concen: 9.067 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL036785.D
Acq: 12 Apr 2021 9:26

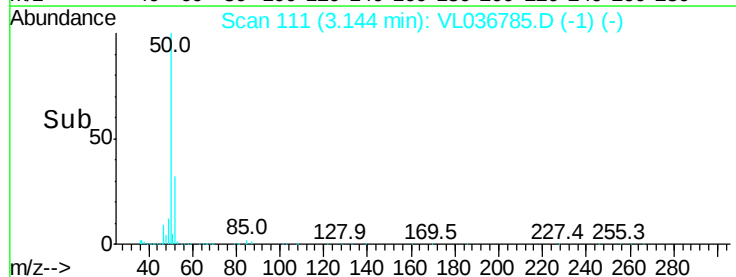
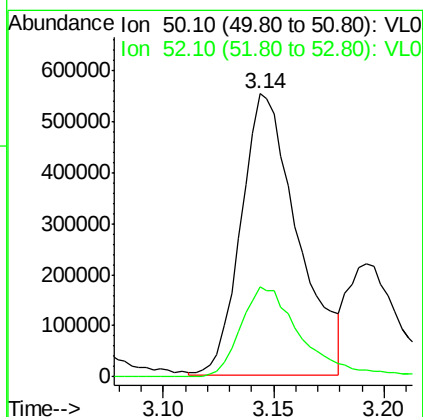
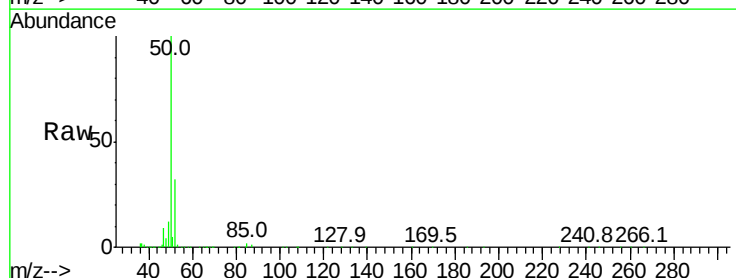
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

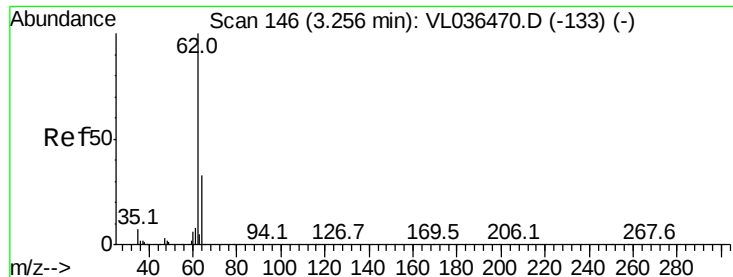
Tgt Ion: 51 Resp: 2642900
Ion Ratio Lower Upper
51 100
67 19.0 14.7 22.1



#4
Chloromethane
Concen: 9.532 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL036785.D
Acq: 12 Apr 2021 9:26

Tgt Ion: 50 Resp: 981416
Ion Ratio Lower Upper
50 100
52 32.1 27.0 40.6





#5

Vinyl Chloride

Concen: 8.891 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

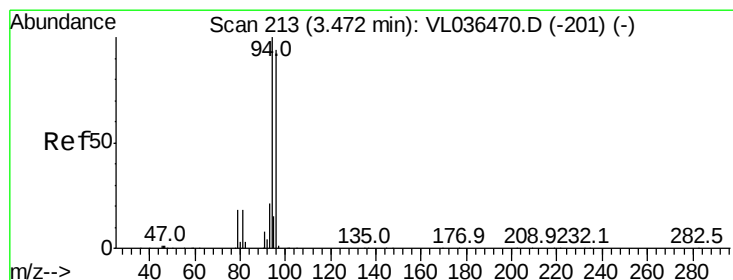
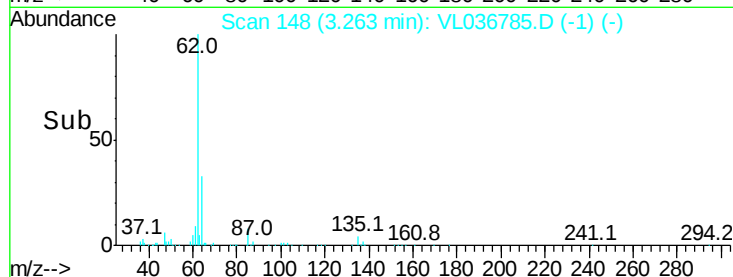
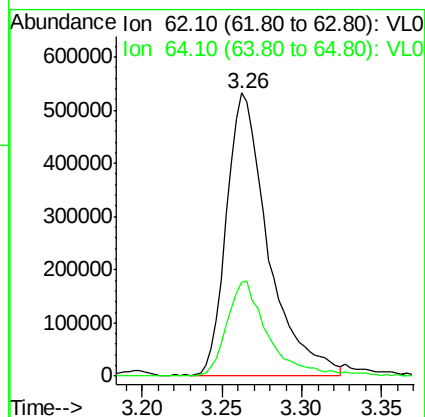
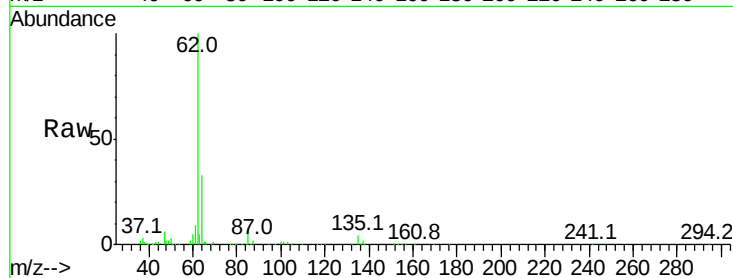
VSTDCCC010

Tgt Ion: 62 Resp: 941218

Ion Ratio Lower Upper

62 100

64 33.2 26.4 39.6



#6

Bromomethane

Concen: 9.399 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036785.D

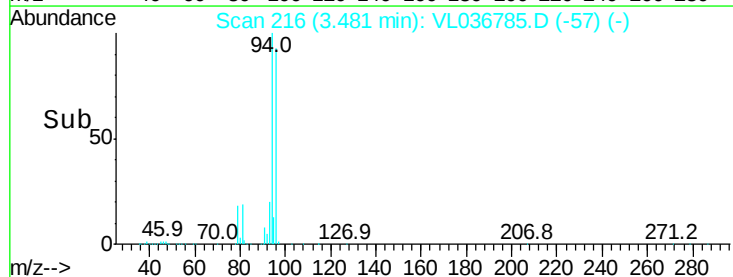
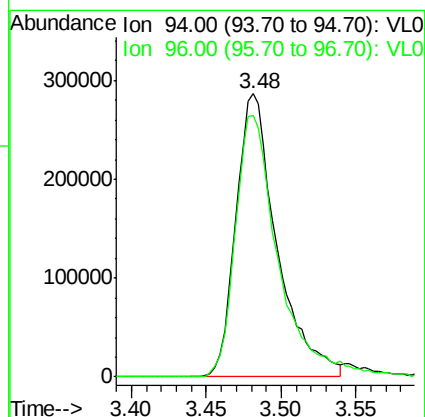
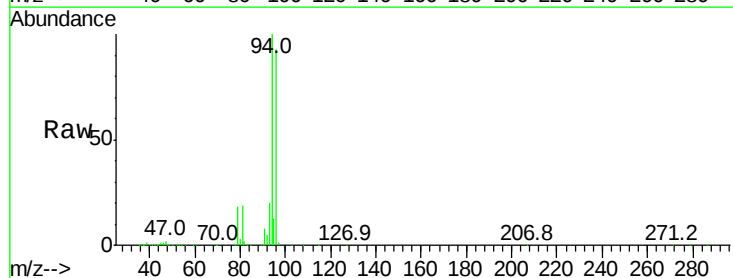
Acq: 12 Apr 2021 9:26

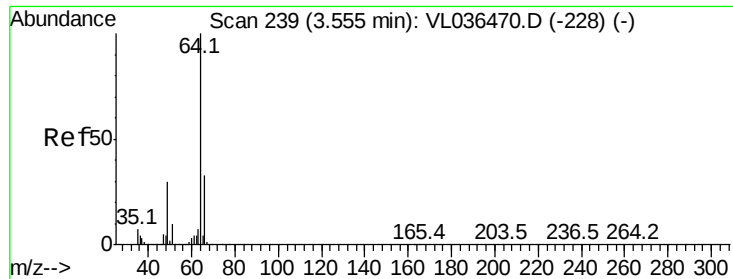
Tgt Ion: 94 Resp: 547835

Ion Ratio Lower Upper

94 100

96 92.6 74.9 112.3





#7

Chloroethane

Concen: 9.254 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

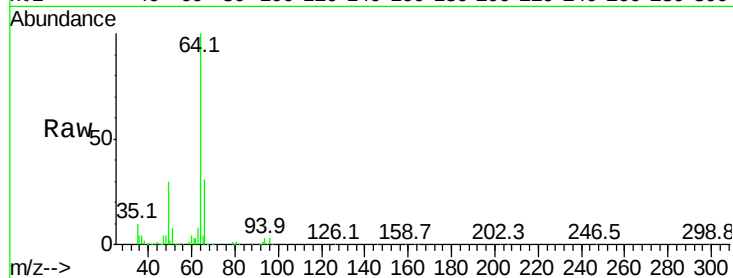
VSTDCCC010

Tgt Ion: 64 Resp: 336626

Ion Ratio Lower Upper

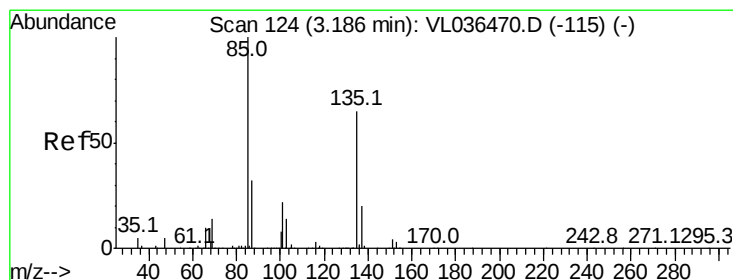
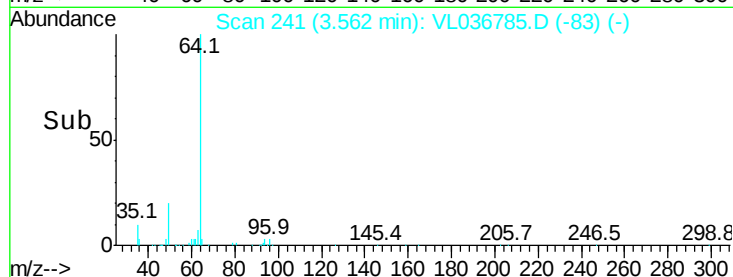
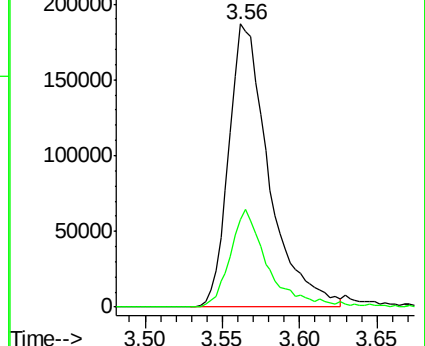
64 100

66 31.1 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: 9.323 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL036785.D

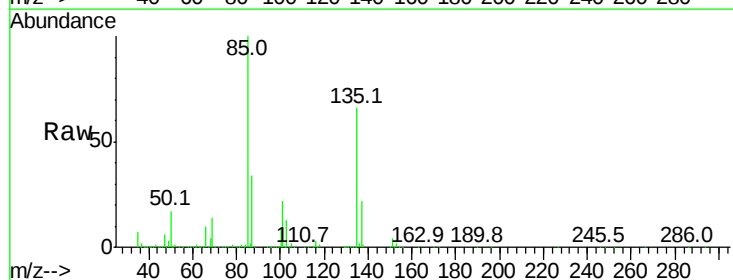
Acq: 12 Apr 2021 9:26

Tgt Ion: 85 Resp: 2264158

Ion Ratio Lower Upper

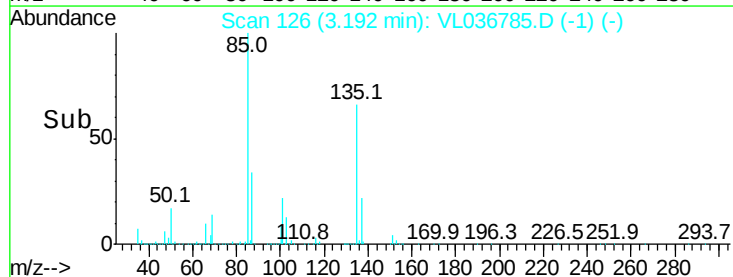
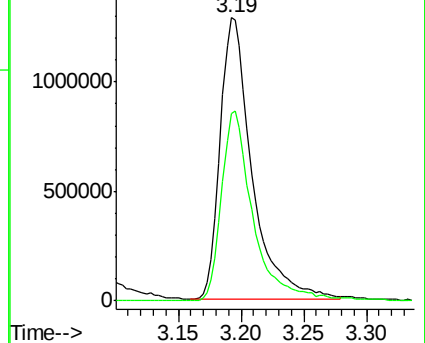
85 100

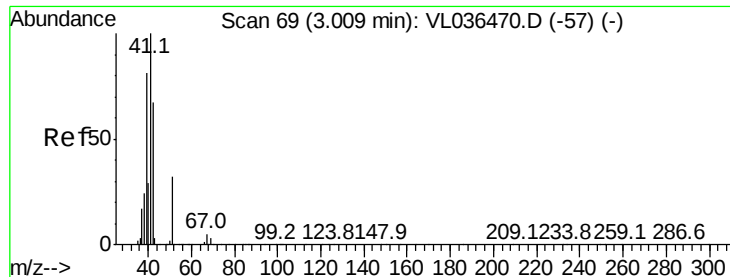
135 68.0 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.056 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

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ClientSampleId :

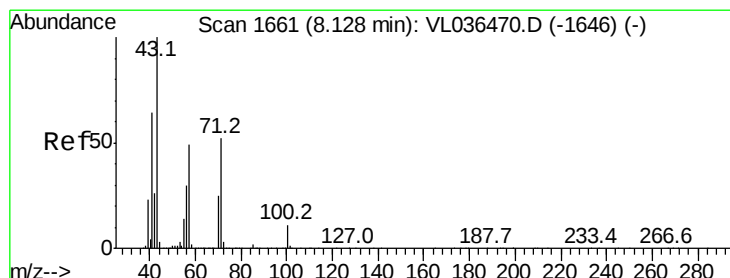
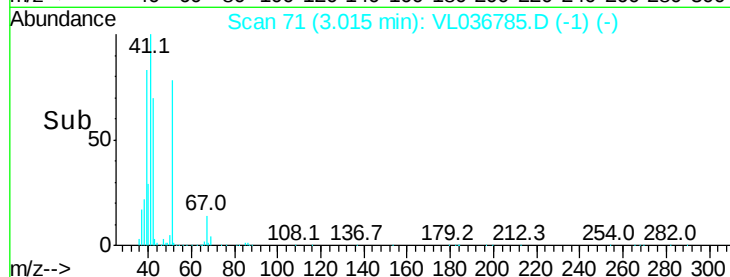
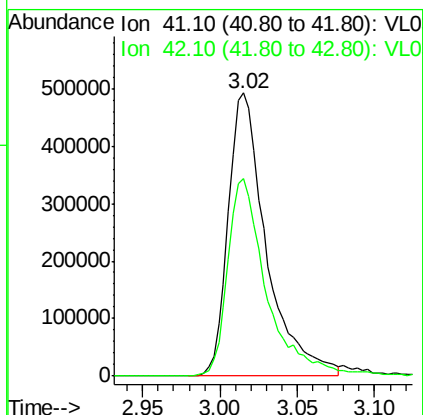
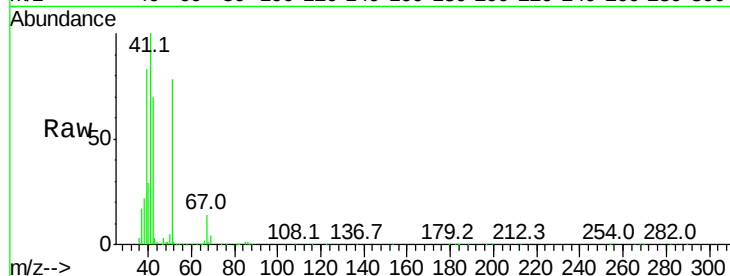
VSTDCCC010

Tgt Ion: 41 Resp: 841526

Ion Ratio Lower Upper

41 100

42 72.2 57.0 85.4



#10

Heptane

Concen: 9.438 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL036785.D

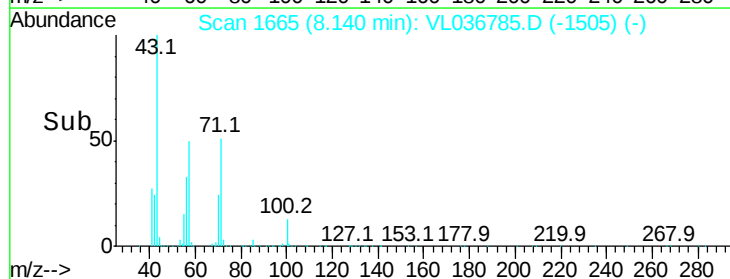
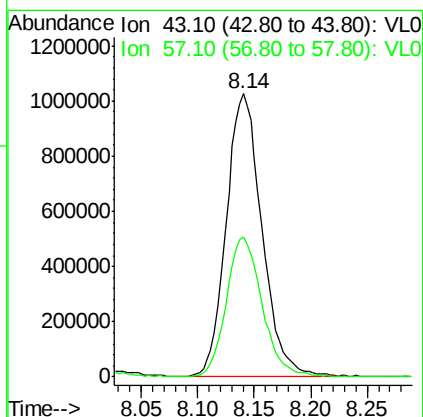
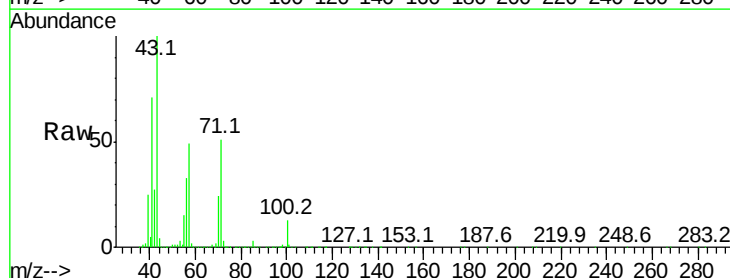
Acq: 12 Apr 2021 9:26

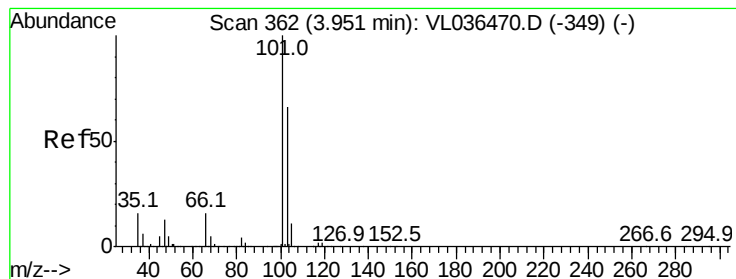
Tgt Ion: 43 Resp: 2234147

Ion Ratio Lower Upper

43 100

57 50.1 39.0 58.6





#11

Trichlorofluoromethane

Concen: 8.987 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

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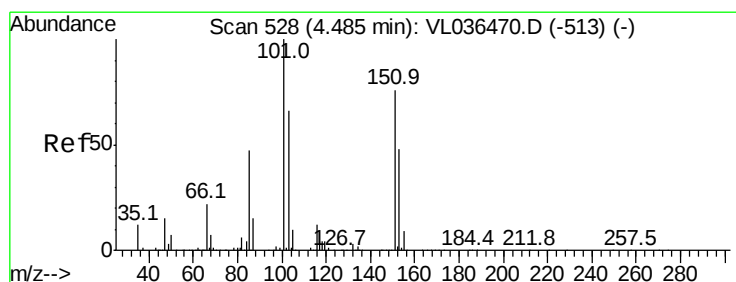
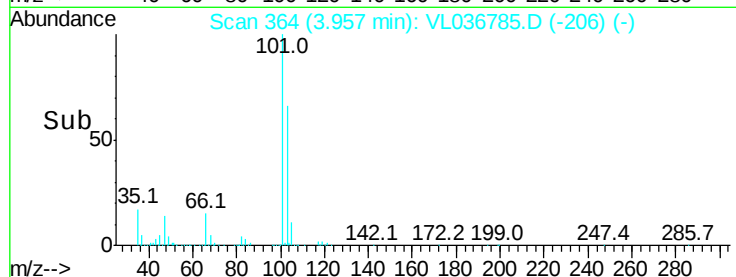
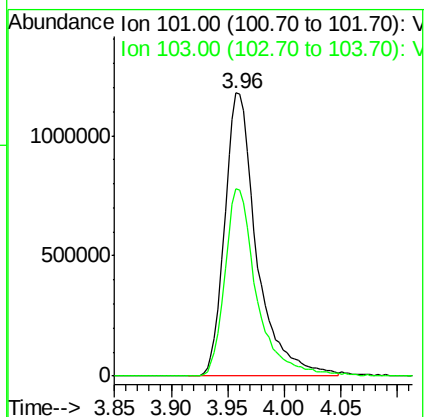
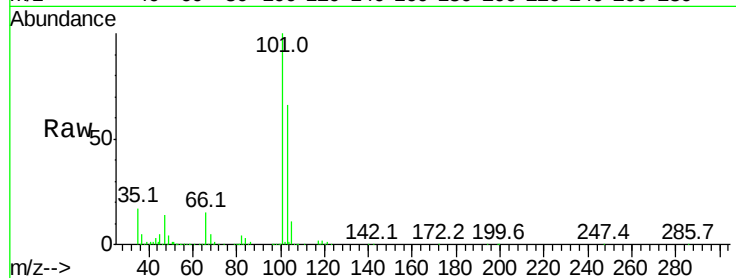
VSTDCCC010

Tgt Ion:101 Resp: 2330435

Ion Ratio Lower Upper

101 100

103 66.2 52.5 78.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.228 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.01 min

Lab File: VL036785.D

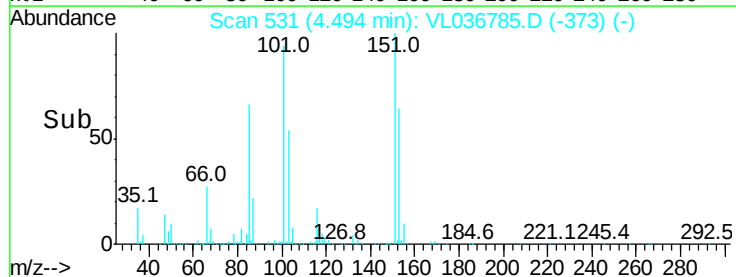
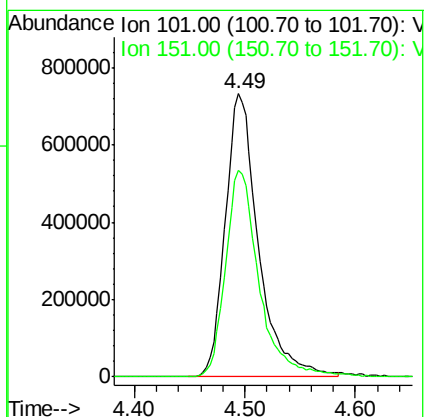
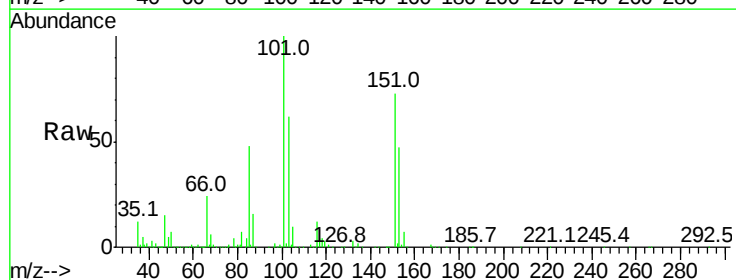
Acq: 12 Apr 2021 9:26

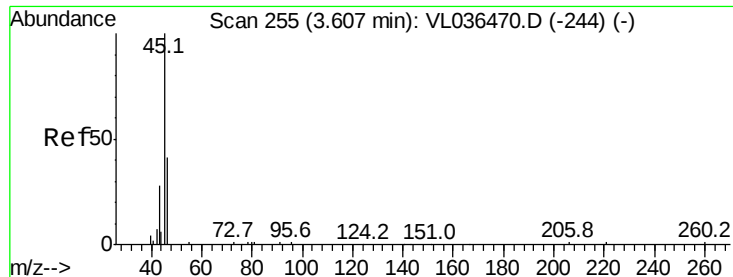
Tgt Ion:101 Resp: 1529965

Ion Ratio Lower Upper

101 100

151 74.3 60.9 91.3





#13

Ethanol

Concen: 9.982 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

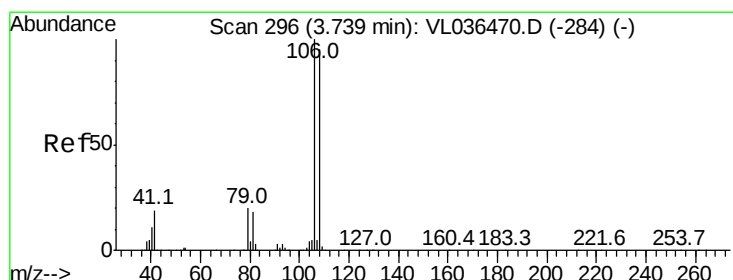
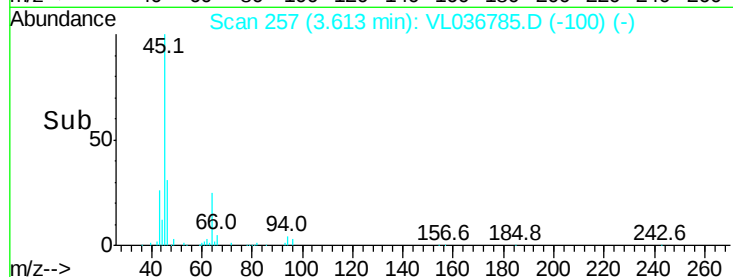
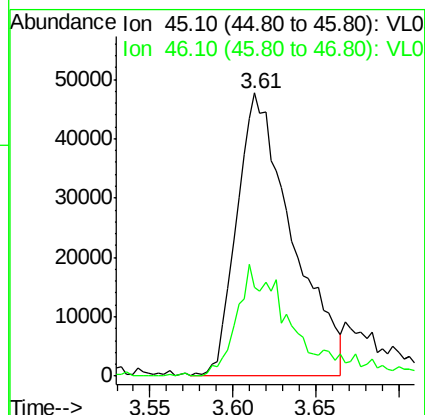
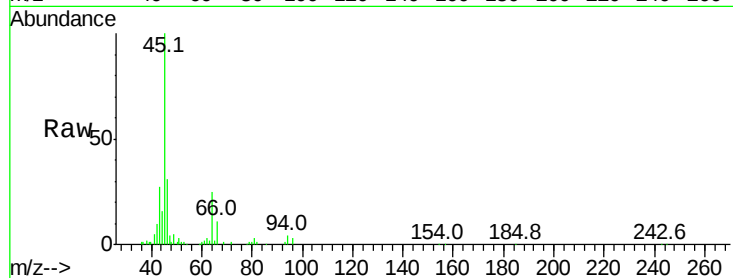
VSTDCCC010

Tgt Ion: 45 Resp: 110460

Ion Ratio Lower Upper

45 100

46 41.3 16.6 66.2



#14

Bromoethene

Concen: 9.486 ppbv

RT: 3.75 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

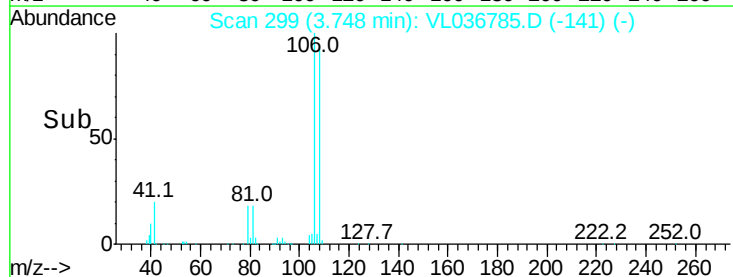
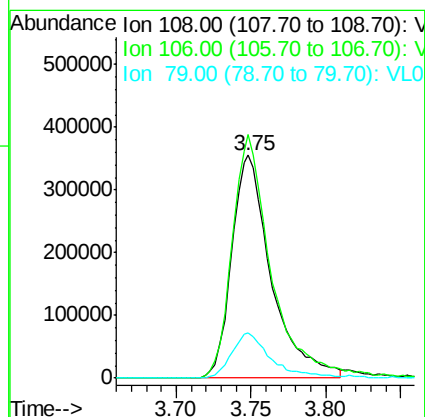
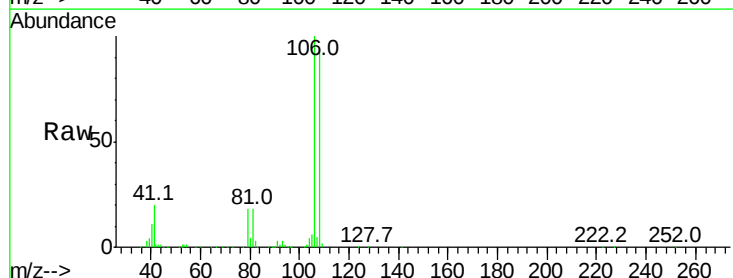
Tgt Ion: 108 Resp: 653873

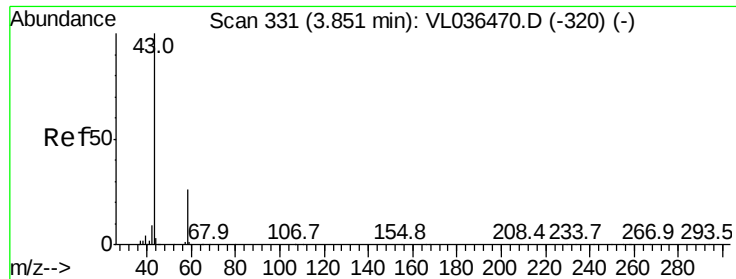
Ion Ratio Lower Upper

108 100

106 109.8 89.0 133.6

79 21.0 16.6 25.0





#15

Acetone

Concen: 8.398 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

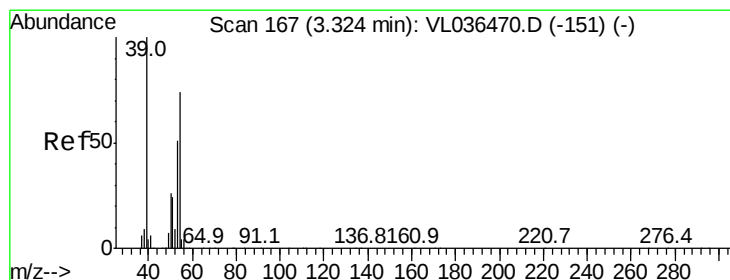
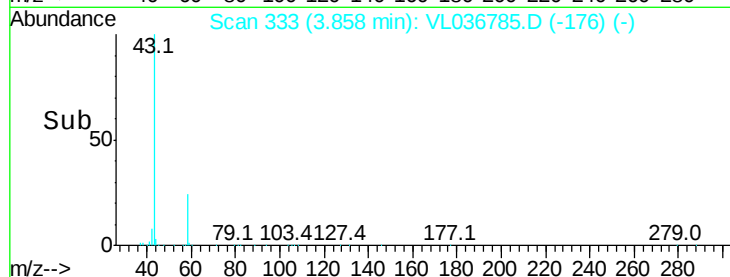
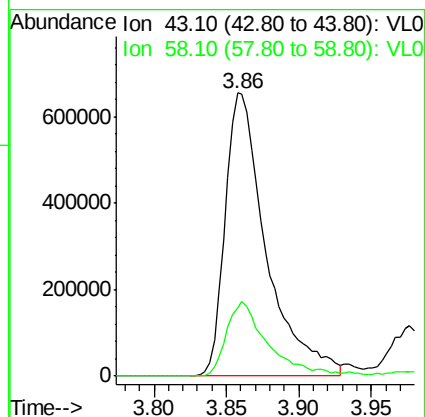
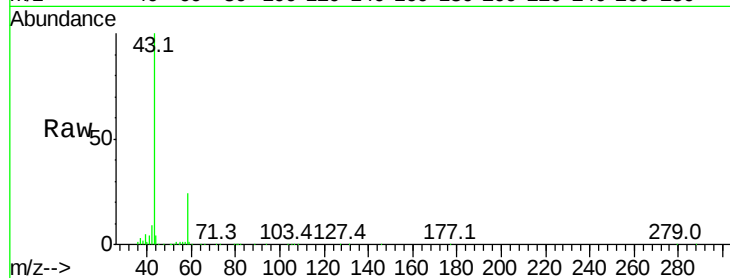
VSTDCCC010

Tgt Ion: 43 Resp: 1289538

Ion Ratio Lower Upper

43 100

58 26.6 21.2 31.8



#16

1,3-Butadiene

Concen: 8.982 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.01 min

Lab File: VL036785.D

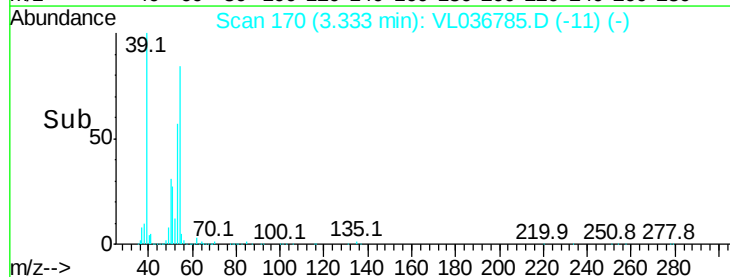
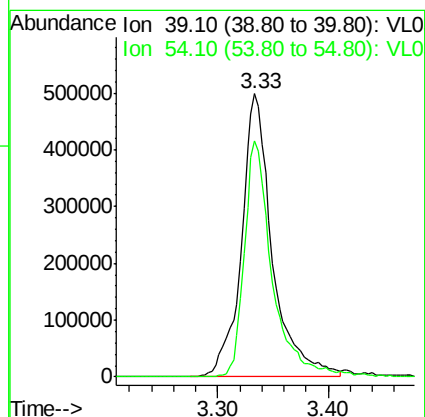
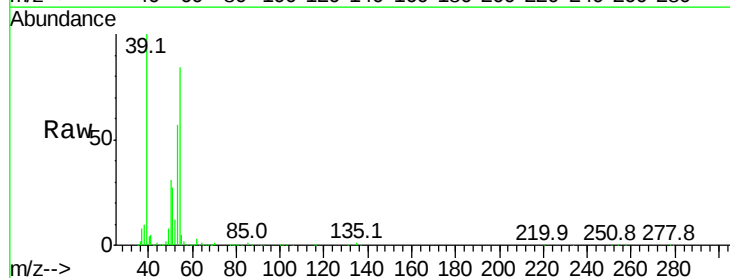
Acq: 12 Apr 2021 9:26

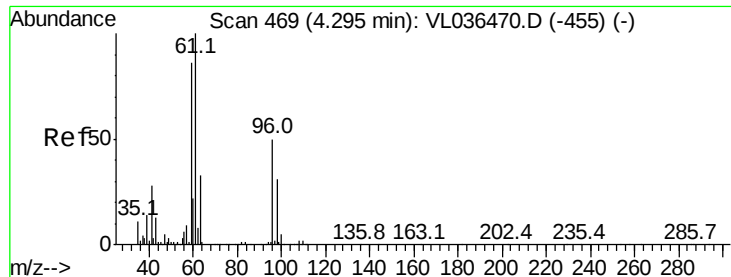
Tgt Ion: 39 Resp: 960233

Ion Ratio Lower Upper

39 100

54 76.4 58.8 88.2





#17

tert-Butyl alcohol

Concen: 10.752 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

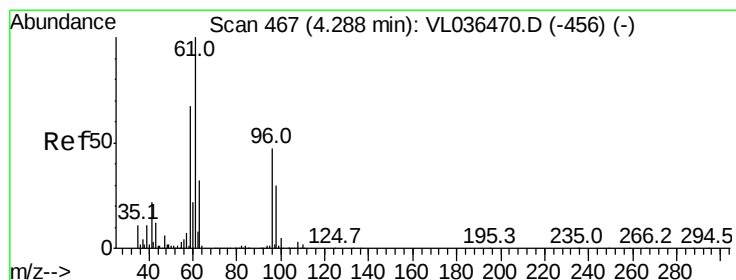
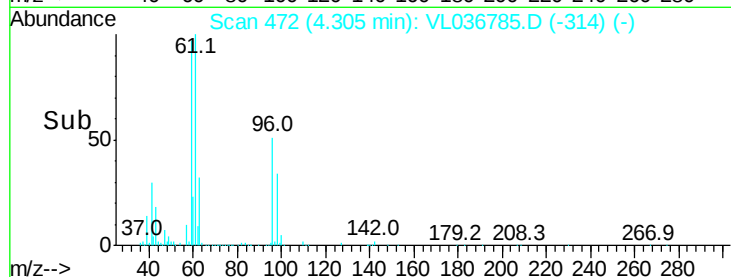
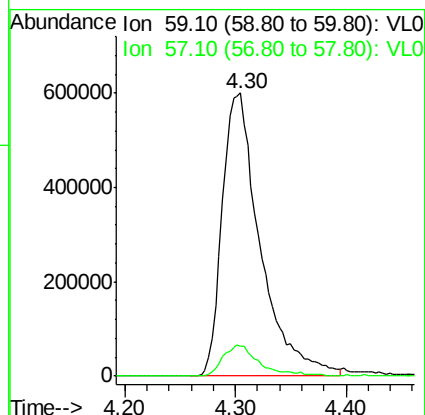
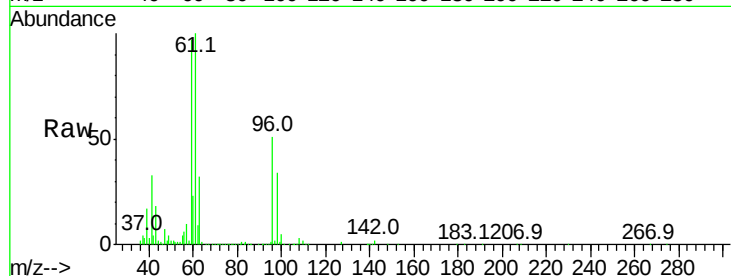
VSTDCCC010

Tgt Ion: 59 Resp: 1437191

Ion Ratio Lower Upper

59 100

57 10.5 8.6 12.8



#18

1,1-Dichloroethene

Concen: 9.174 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

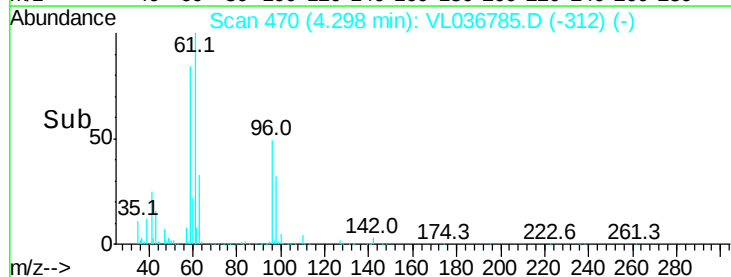
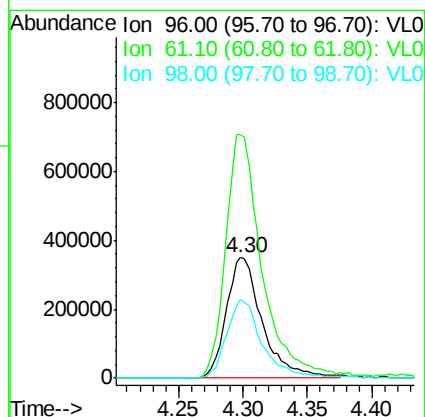
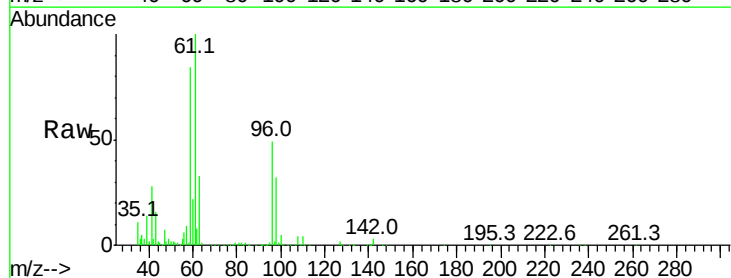
Tgt Ion: 96 Resp: 676563

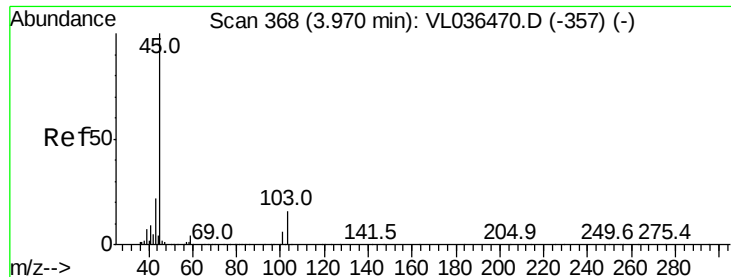
Ion Ratio Lower Upper

96 100

61 202.0 168.6 253.0

98 64.7 50.8 76.2





#19

Isopropyl Alcohol

Concen: 9.754 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

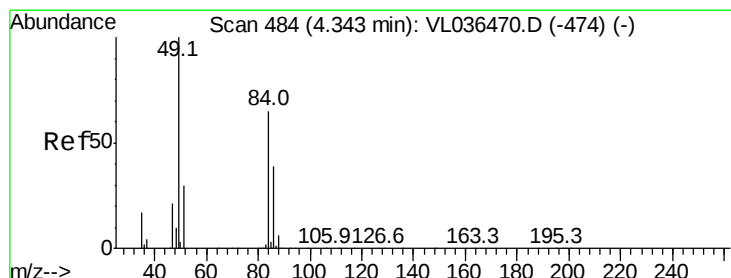
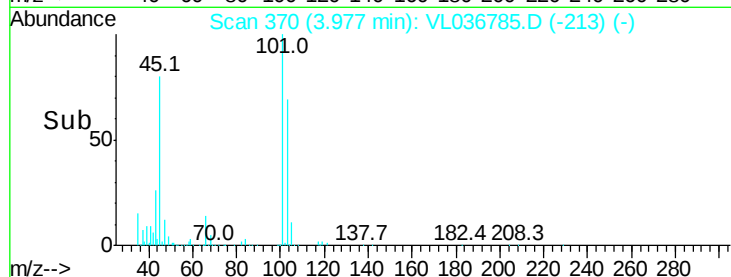
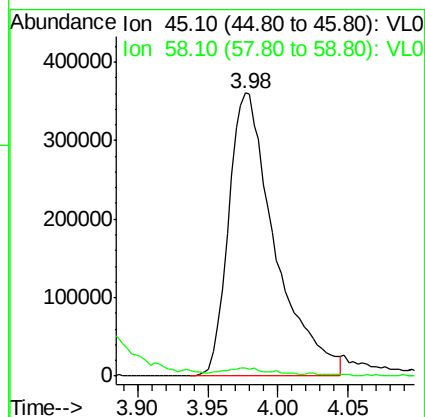
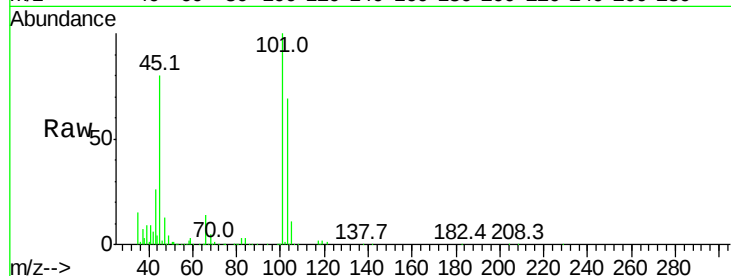
VSTDCCC010

Tgt Ion: 45 Resp: 823911

Ion Ratio Lower Upper

45 100

58 4.1 2.9 4.3



#20

Methylene Chloride

Concen: 8.315 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Tgt Ion: 84 Resp: 597799

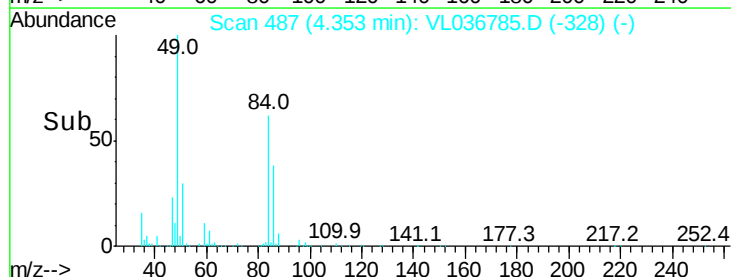
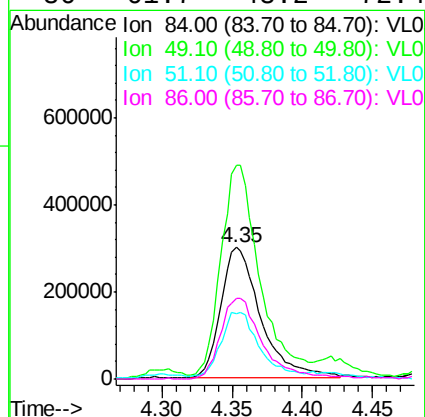
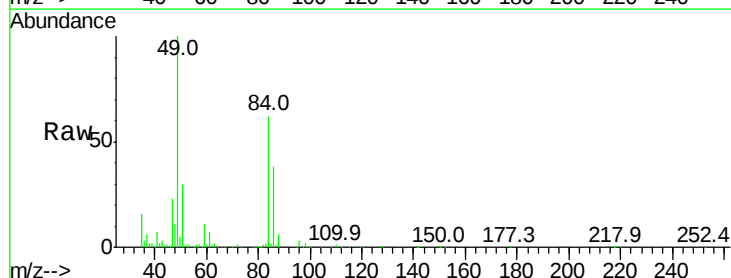
Ion Ratio Lower Upper

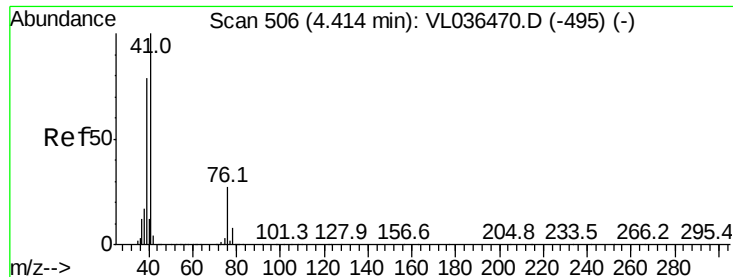
84 100

49 160.2 122.9 184.3

51 48.0 36.9 55.3

86 61.7 48.2 72.4





#21

Allyl Chloride

Concen: 9.061 ppbv

RT: 4.42 min Scan# 508

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

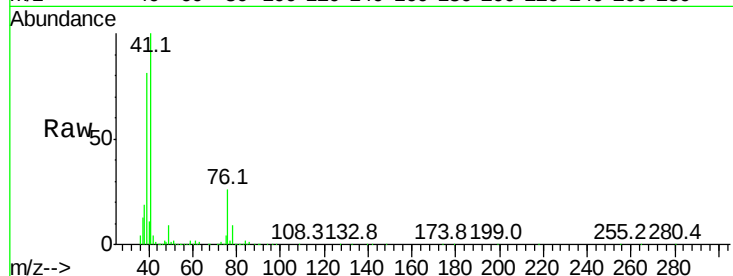
Tgt Ion: 41 Resp: 1109106

Ion Ratio Lower Upper

41 100

76 28.7 22.9 34.3

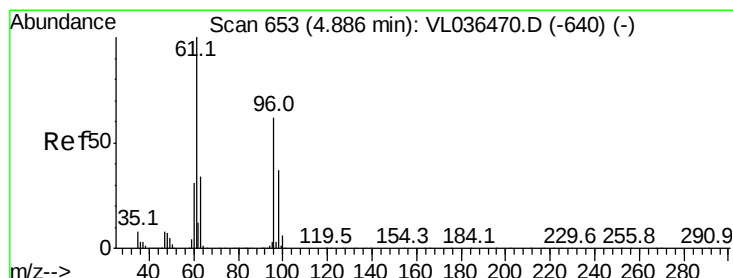
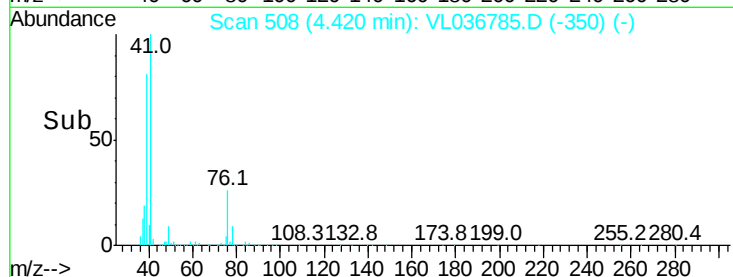
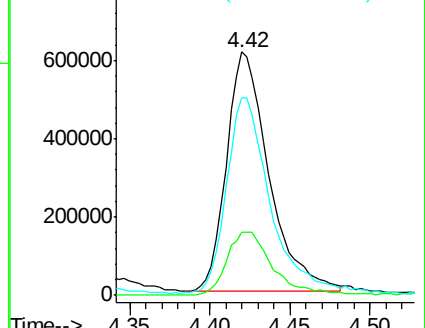
39 85.7 67.3 100.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.107 ppbv

RT: 4.90 min Scan# 656

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

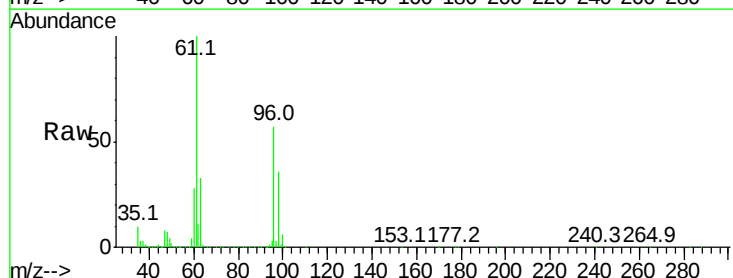
Tgt Ion: 96 Resp: 622642

Ion Ratio Lower Upper

96 100

61 174.1 129.4 194.0

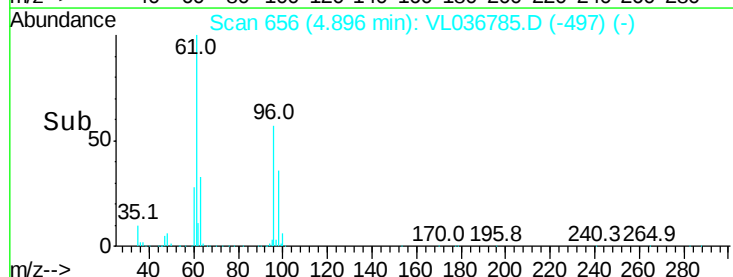
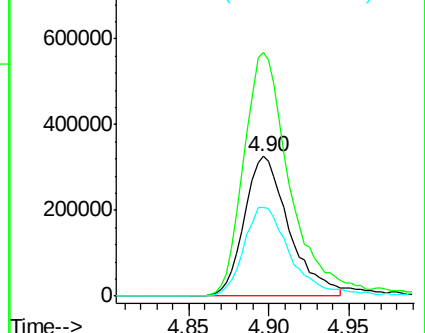
98 63.6 48.2 72.4

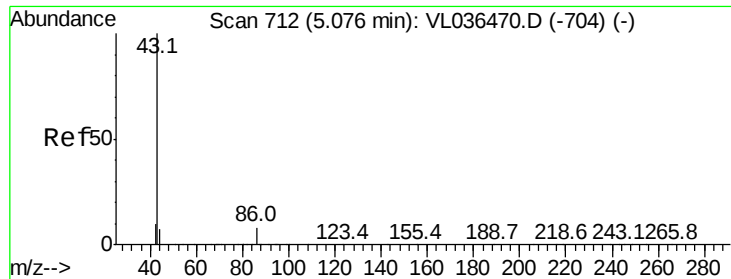


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.543 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2506517

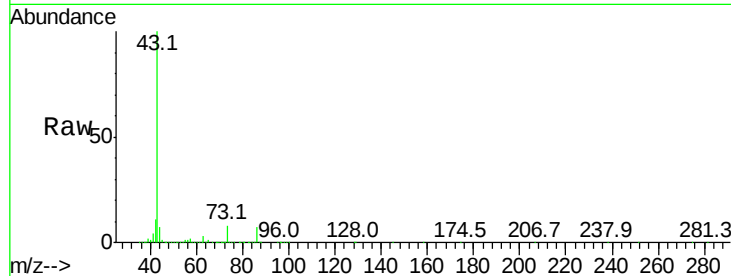
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.4	8.0
42	10.6	8.5	12.7
44	6.2	4.6	7.0

43 100

86 7.1 5.4 8.0

42 10.6 8.5 12.7

44 6.2 4.6 7.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

1500000

1000000

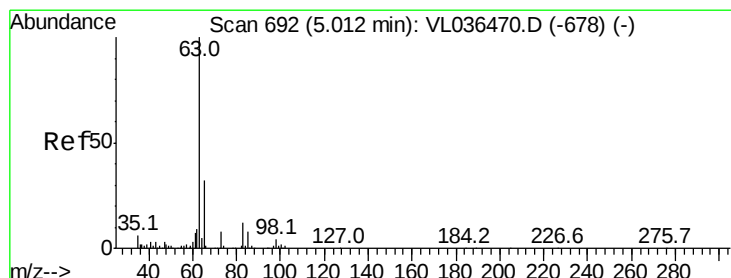
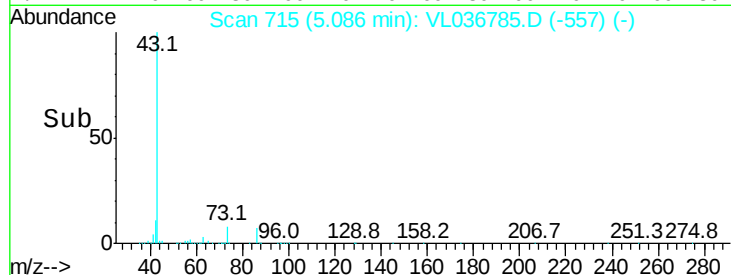
500000

0

5.09

5.00 5.05 5.10 5.15 5.20

Time-->



#24

1,1-Dichloroethane

Concen: 9.233 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

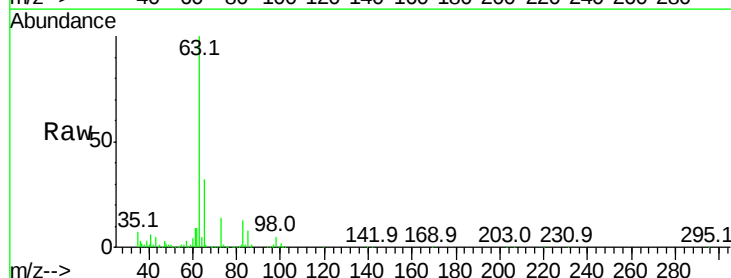
Tgt Ion: 63 Resp: 1767717

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.2
100	2.4	0.9	2.8

63 100

98 4.5 2.1 6.2

100 2.4 0.9 2.8



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

1200000

1000000

800000

600000

400000

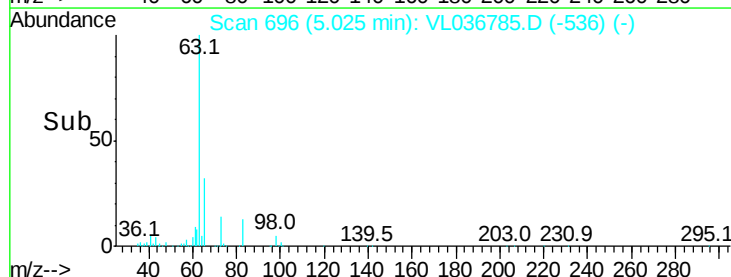
200000

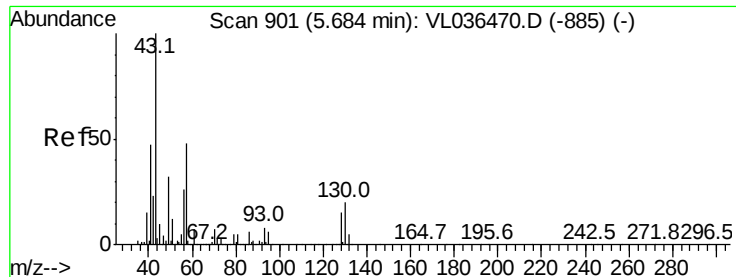
0

5.02

4.95 5.00 5.05 5.10

Time-->





#25

Ethyl Acetate

Concen: 9.319 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 3401879

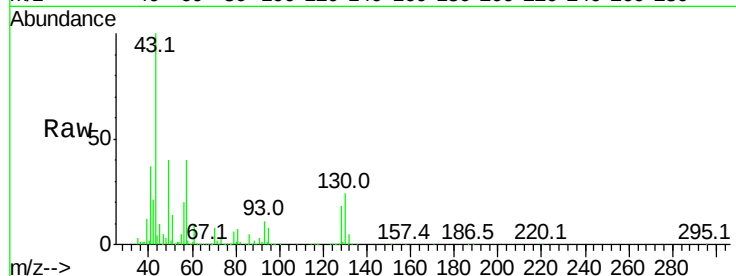
Ion Ratio Lower Upper

43 100

45 9.7 7.9 11.9

61 9.3 7.4 11.2

70 6.7 5.1 7.7

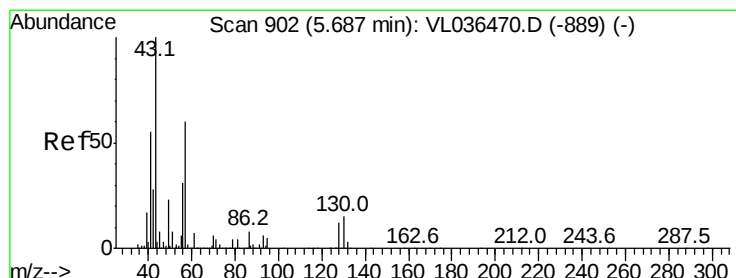
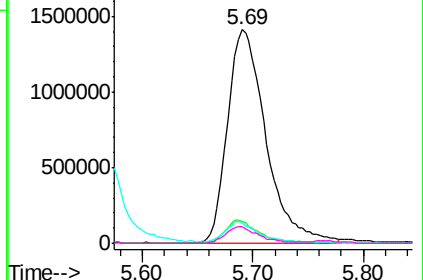
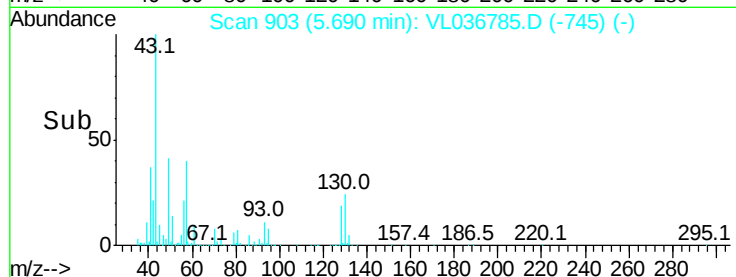


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.480 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Tgt Ion: 57 Resp: 1606045

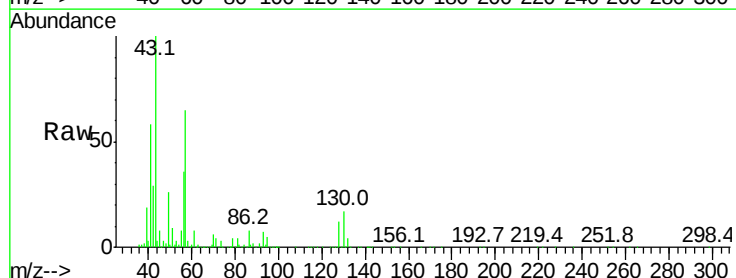
Ion Ratio Lower Upper

57 100

41 94.9 77.2 115.8

43 214.3 173.8 260.6

56 54.8 43.8 65.6

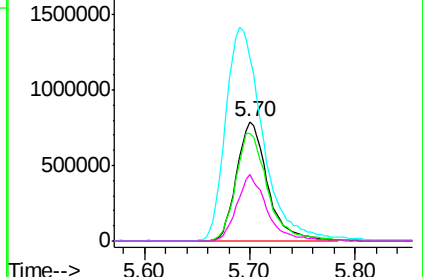
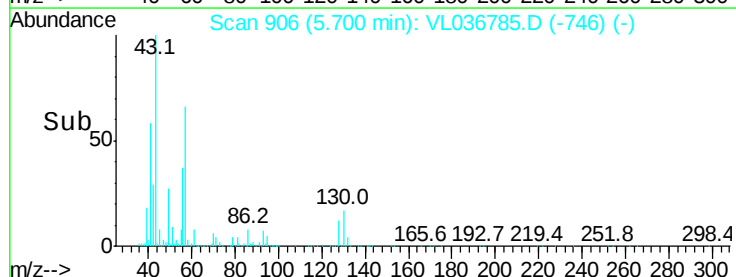


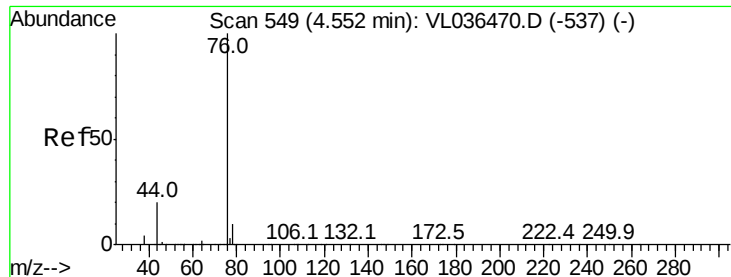
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.014 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

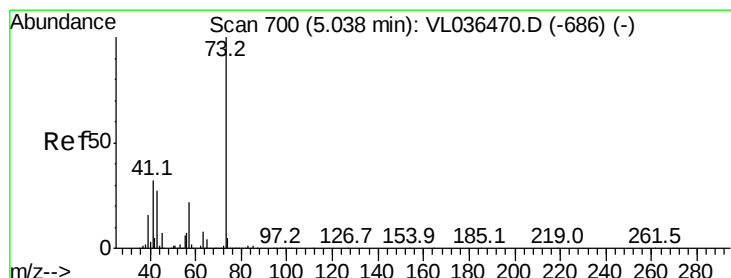
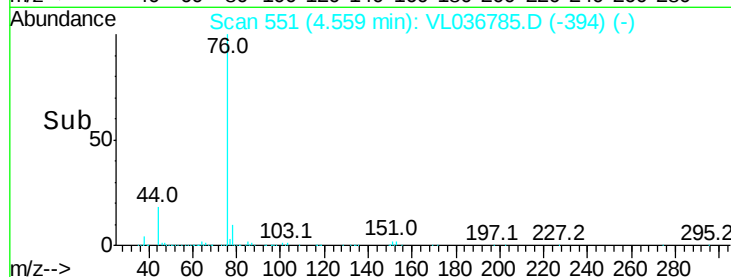
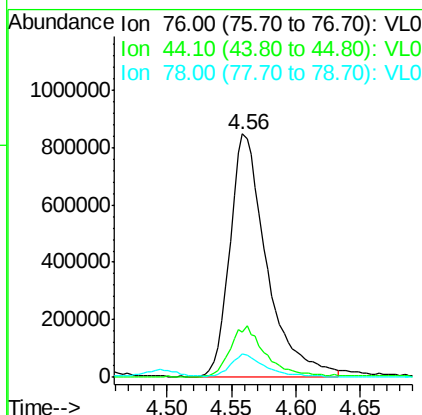
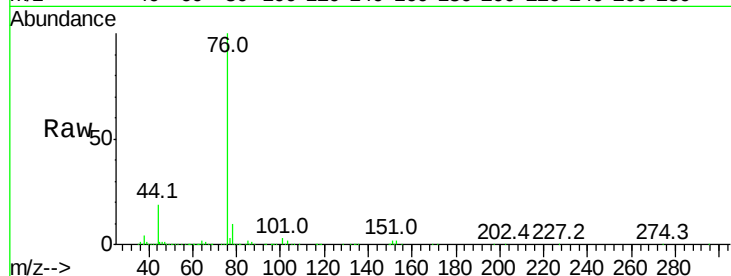
Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1671212

Ion	Ratio	Lower	Upper
76	100		
44	20.8	17.5	26.3
78	9.6	8.6	13.0



#28

Methyl tert-Butyl Ether

Concen: 9.445 ppbv

RT: 5.05 min Scan# 703

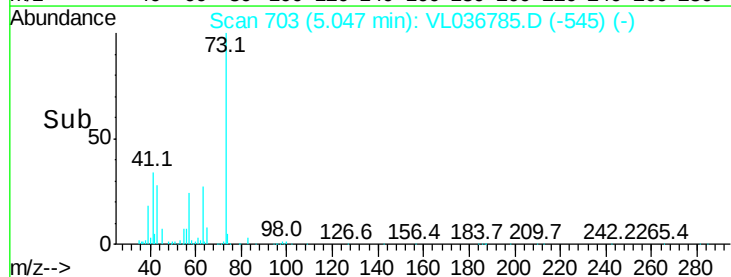
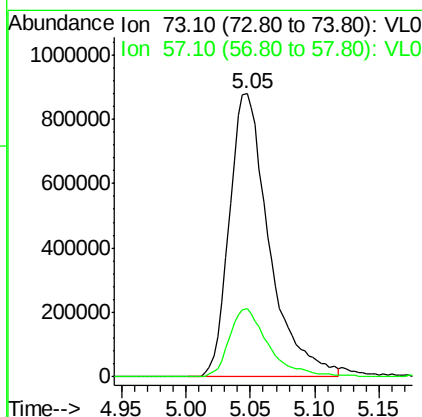
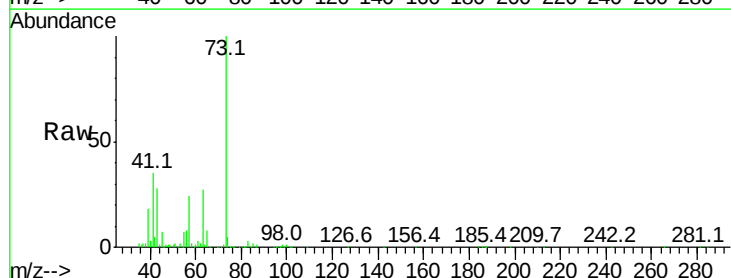
Delta R.T. 0.01 min

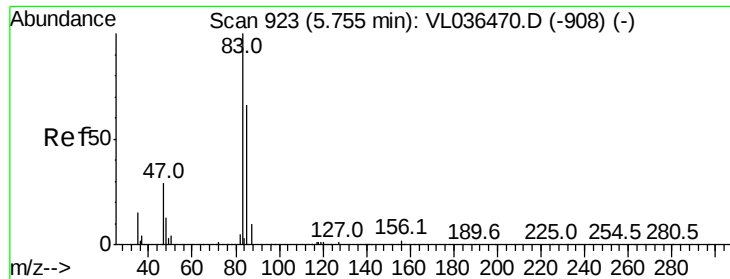
Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Tgt Ion: 73 Resp: 1886996

Ion	Ratio	Lower	Upper
73	100		
57	24.2	18.5	27.7





#29

Chloroform

Concen: 9.498 ppbv

RT: 5.77 min Scan# 927

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

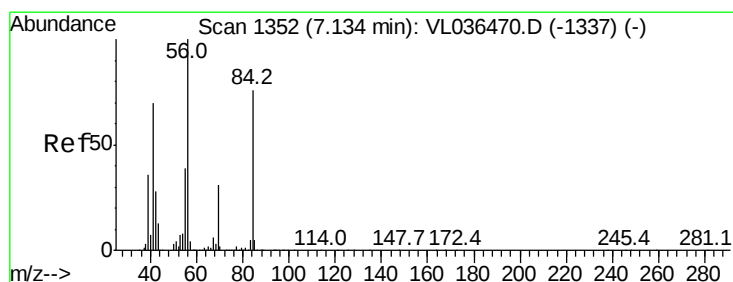
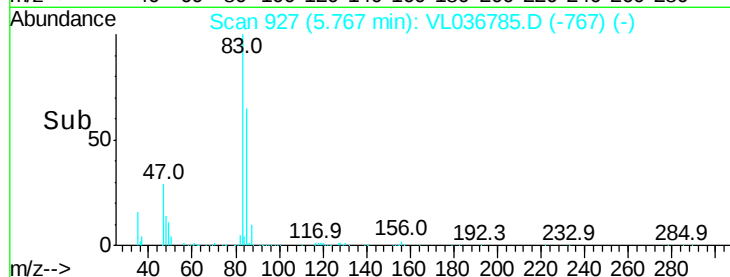
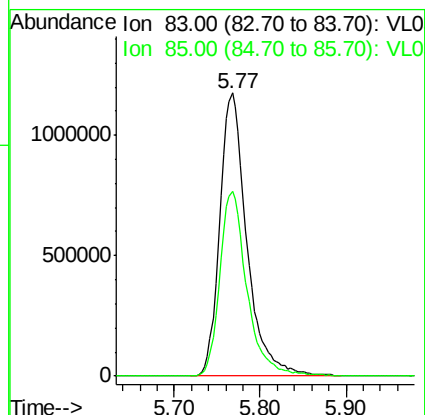
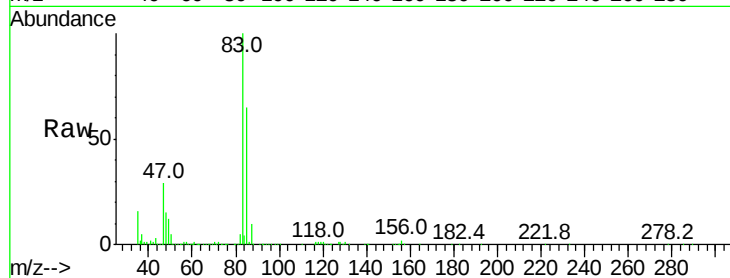
VSTDCCC010

Tgt Ion: 83 Resp: 2573306

Ion Ratio Lower Upper

83 100

85 64.9 52.6 78.8



#30

Cyclohexane

Concen: 9.812 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

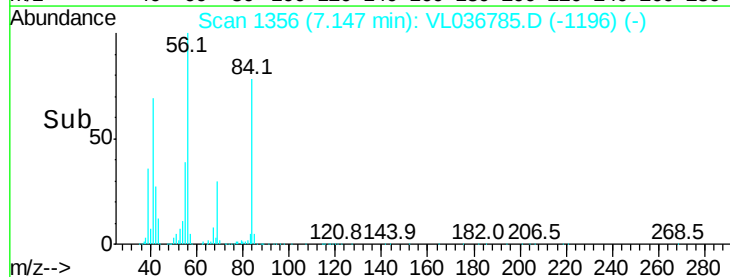
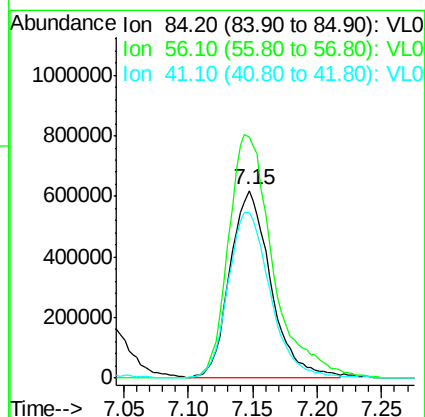
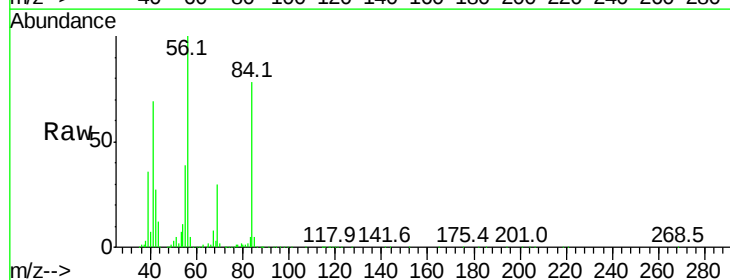
Tgt Ion: 84 Resp: 1348145

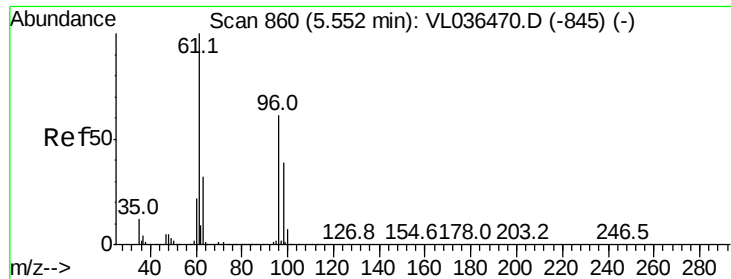
Ion Ratio Lower Upper

84 100

56 144.0 114.6 171.8

41 92.4 75.3 112.9



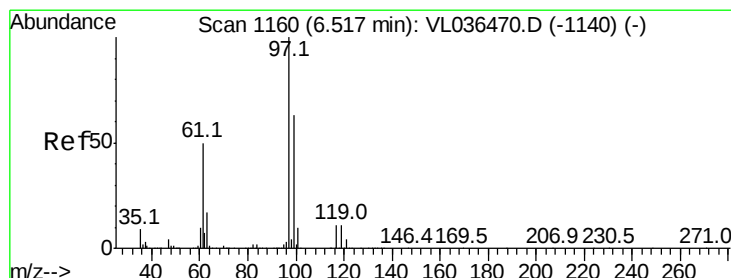
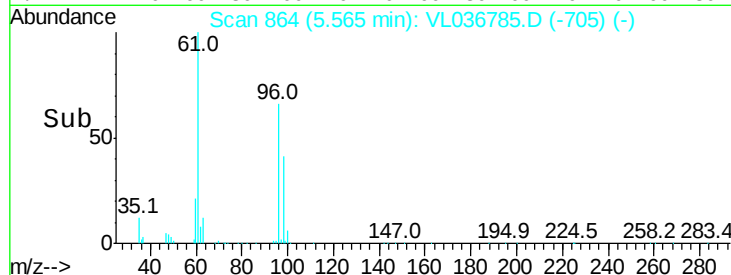
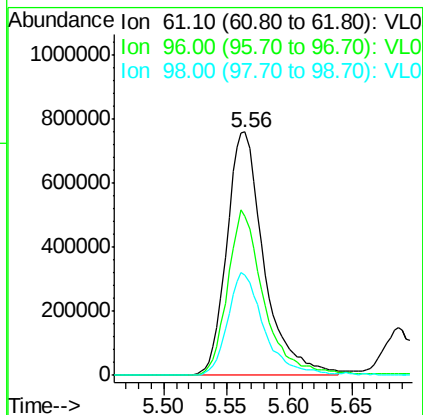
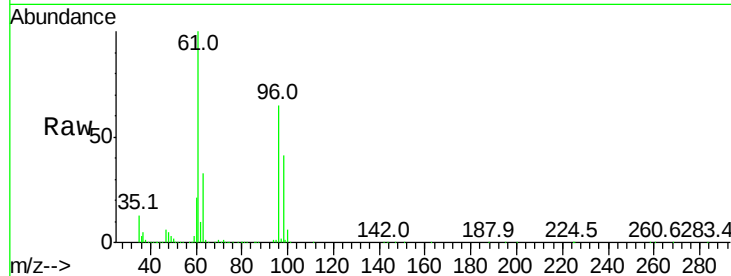


#31

cis-1,2-Dichloroethene
Concen: 9.561 ppbv
RT: 5.56 min Scan# 864
Delta R.T. 0.01 min
Lab File: VL036785.D
Acq: 12 Apr 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

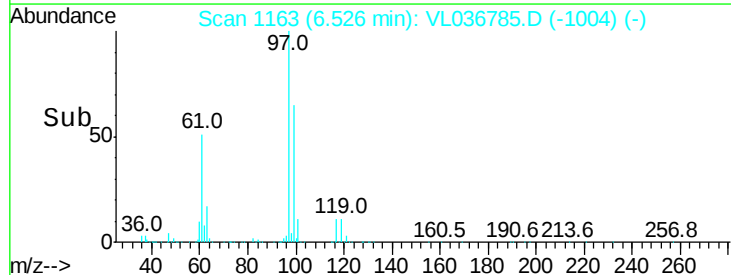
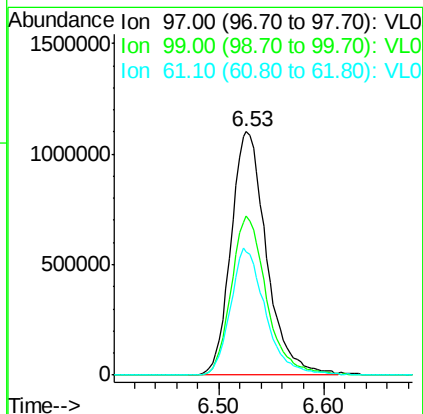
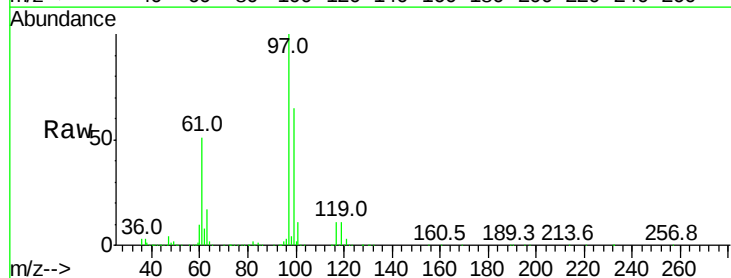
Tgt Ion: 61 Resp: 1566556
Ion Ratio Lower Upper
61 100
96 65.2 48.7 73.1
98 41.3 31.4 47.0

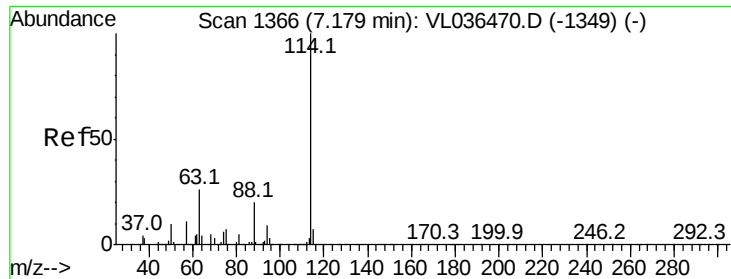


#32

1,1,1-Trichloroethane
Concen: 9.419 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. 0.01 min
Lab File: VL036785.D
Acq: 12 Apr 2021 9:26

Tgt Ion: 97 Resp: 2571771
Ion Ratio Lower Upper
97 100
99 65.0 51.4 77.0
61 51.1 40.6 60.8

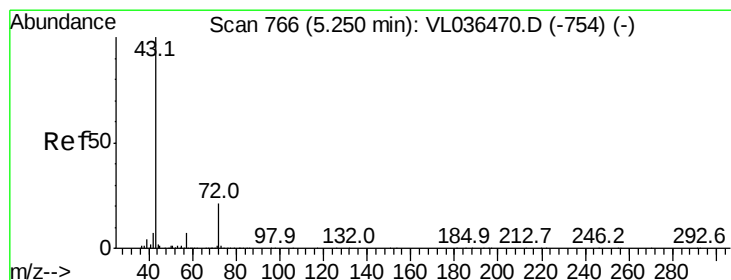
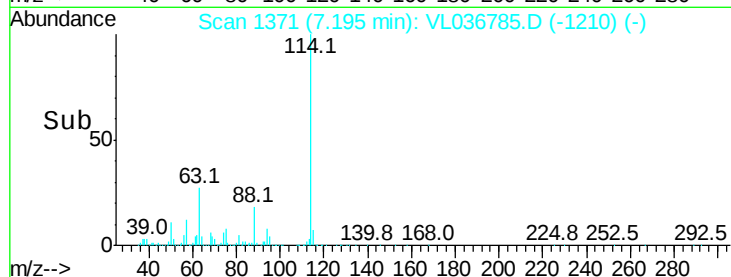
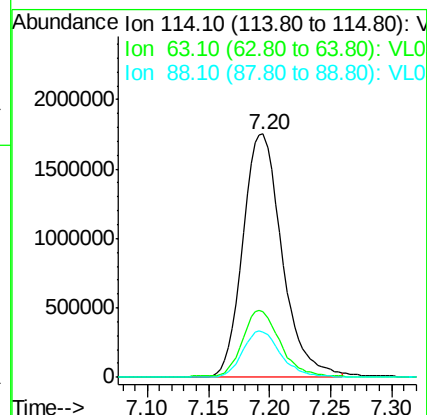
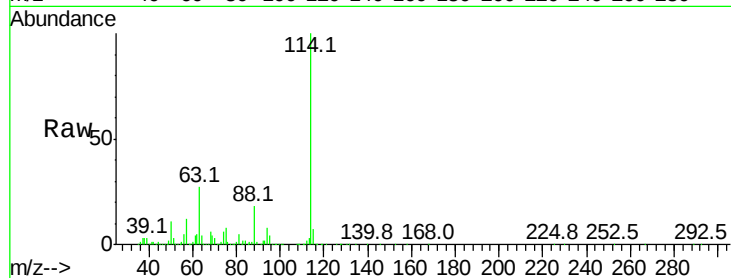




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.02 min
 Lab File: VL036785.D
 Acq: 12 Apr 2021 9:26

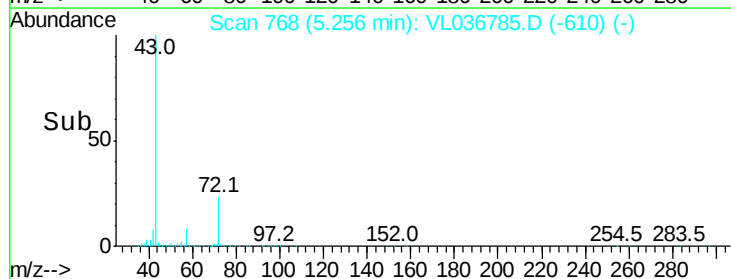
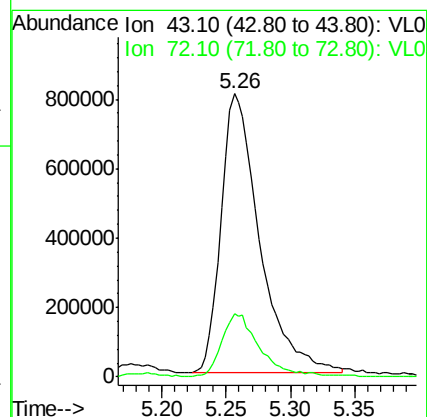
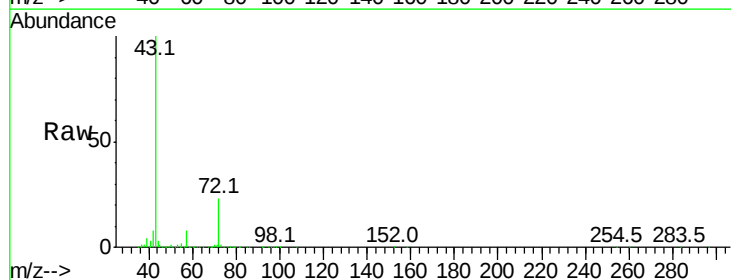
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

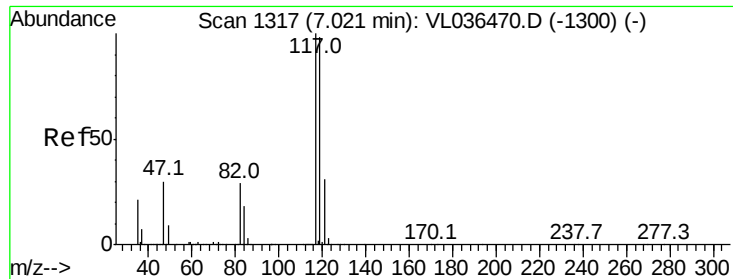
Tgt Ion:114 Resp: 3899511
 Ion Ratio Lower Upper
 114 100
 63 27.5 22.4 33.6
 88 18.8 15.4 23.0



#34
 2-Butanone
 Concen: 8.846 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL036785.D
 Acq: 12 Apr 2021 9:26

Tgt Ion: 43 Resp: 1683859
 Ion Ratio Lower Upper
 43 100
 72 22.3 17.0 25.6





#35

Carbon Tetrachloride

Concen: 9.117 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

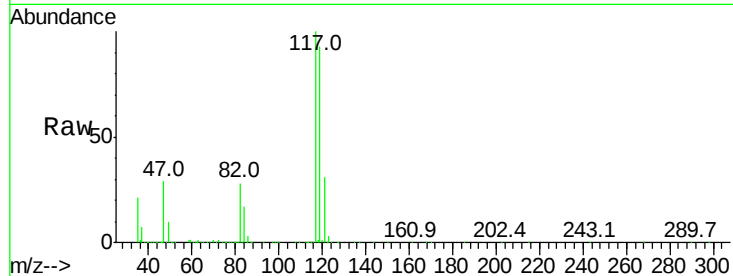
Tgt Ion:117 Resp: 2730757

Ion Ratio Lower Upper

117 100

119 93.3 78.2 117.2

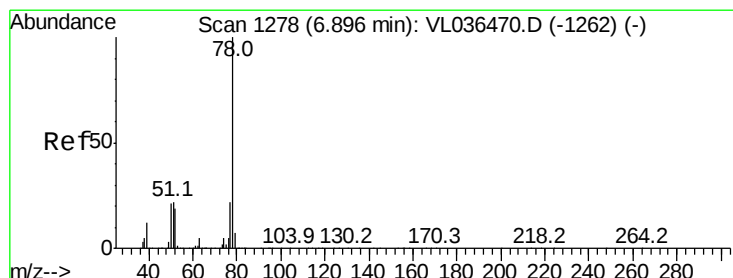
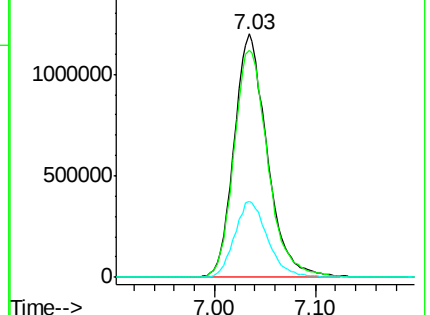
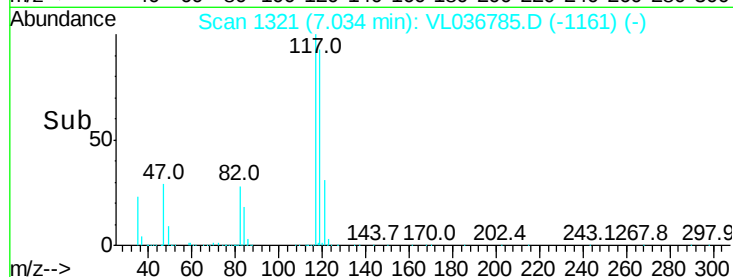
121 31.3 24.5 36.7



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: 9.228 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

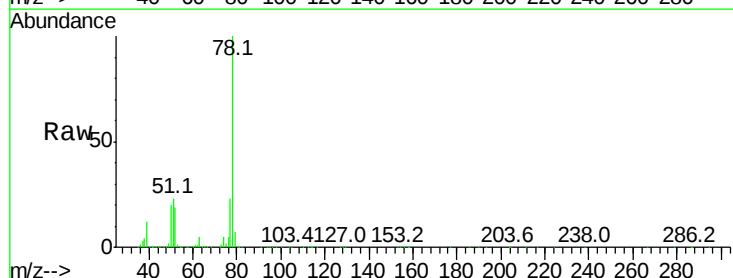
Tgt Ion: 78 Resp: 3318741

Ion Ratio Lower Upper

78 100

77 22.9 18.0 27.0

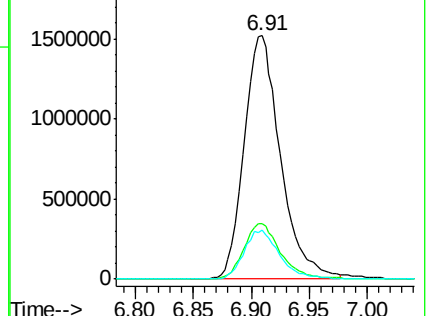
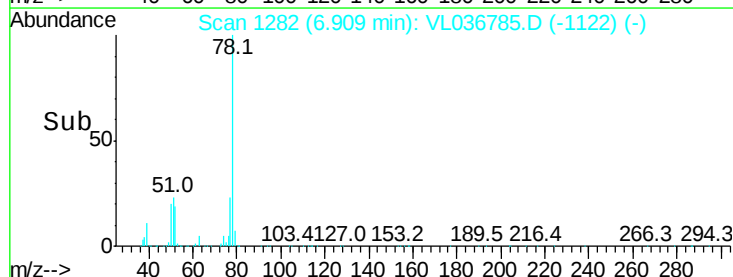
50 20.4 16.5 24.7

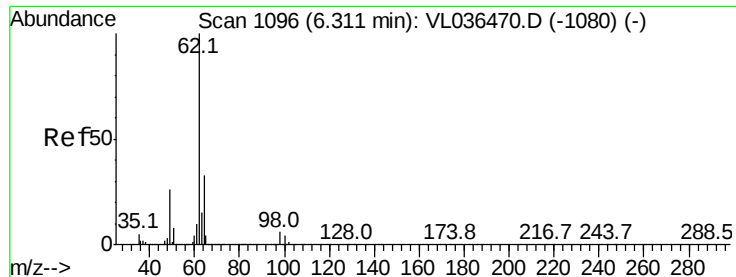


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.056 ppbv

RT: 6.32 min Scan# 1100

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

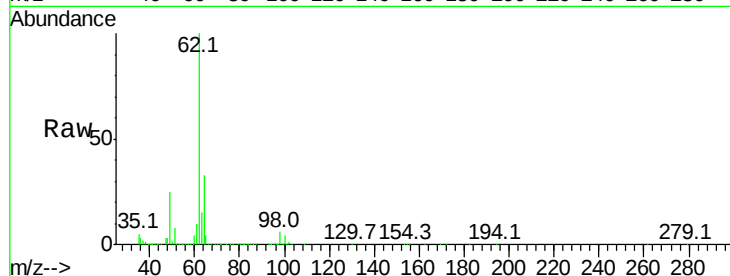
VSTDCCC010

Tgt Ion: 62 Resp: 1916979

Ion Ratio Lower Upper

62 100

98 6.4 4.9 7.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.32

800000

600000

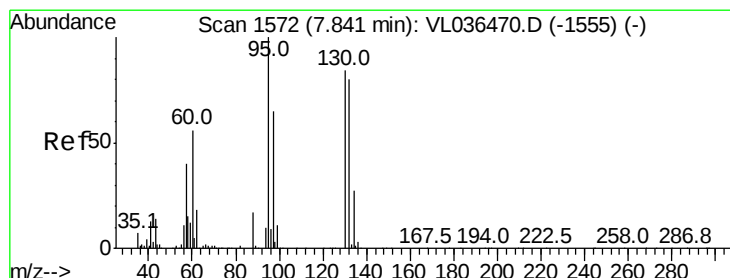
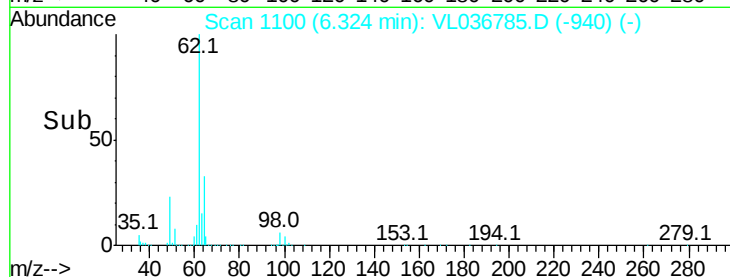
400000

200000

0

6.25 6.30 6.35 6.40

Time-->



#38

Trichloroethene

Concen: 8.647 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Tgt Ion: 130 Resp: 1210306

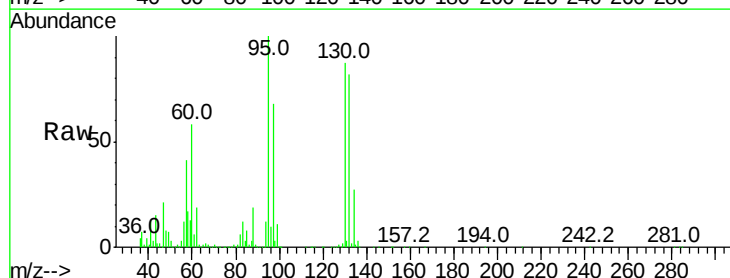
Ion Ratio Lower Upper

130 100

95 115.4 95.7 143.5

132 94.3 76.2 114.4

97 78.4 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

7.85

600000

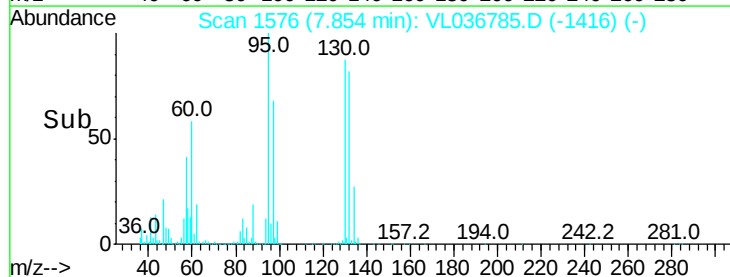
400000

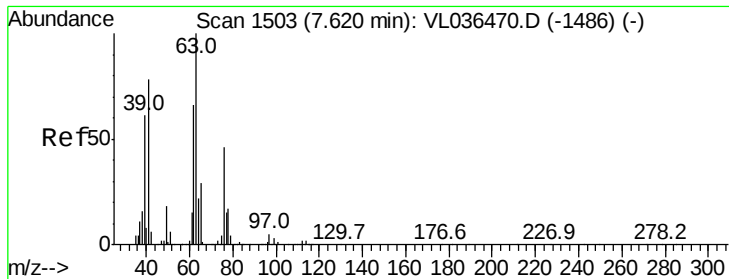
200000

0

7.75 7.80 7.85 7.90 7.95

Time-->





#39

1,2-Dichloropropane

Concen: 9.009 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

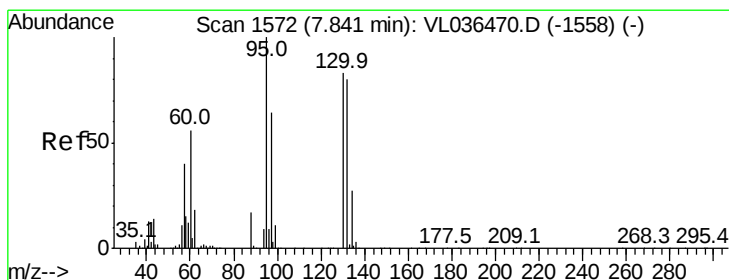
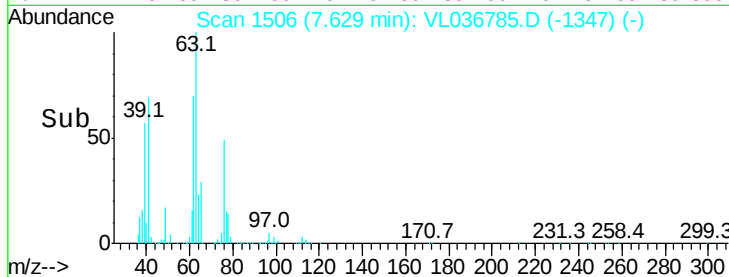
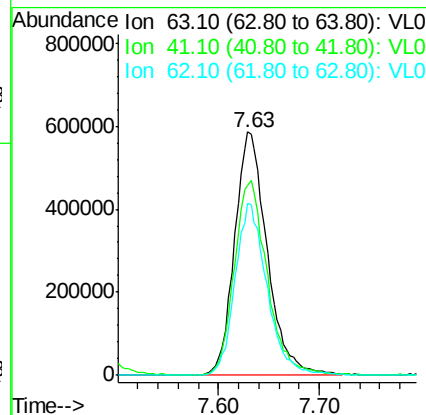
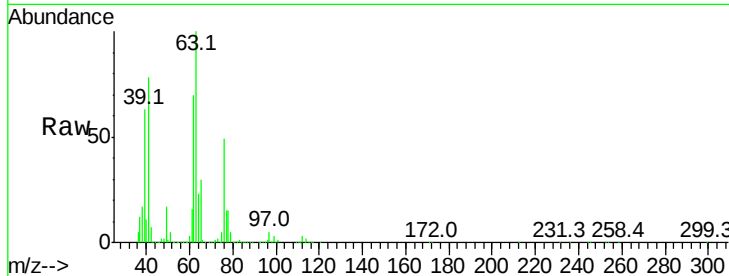
Tgt Ion: 63 Resp: 1314322

Ion Ratio Lower Upper

63 100

41 78.0 62.4 93.6

62 70.4 52.8 79.2



#40

1,4-Dioxane

Concen: 9.507 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Tgt Ion: 88 Resp: 322801

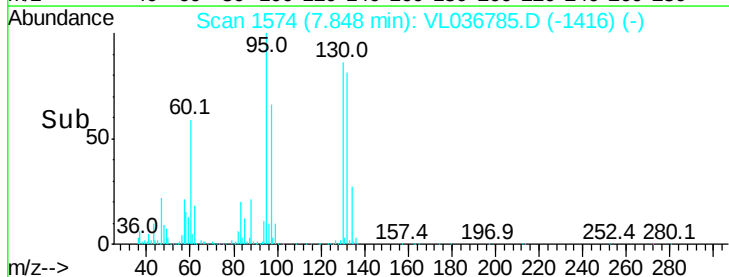
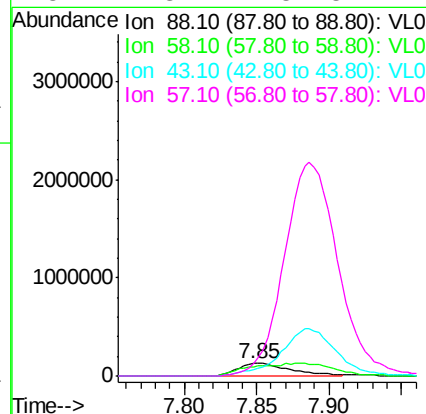
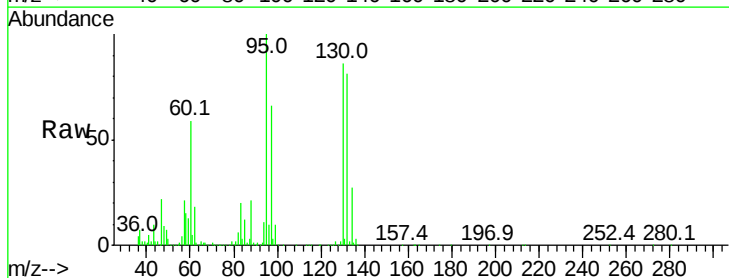
Ion Ratio Lower Upper

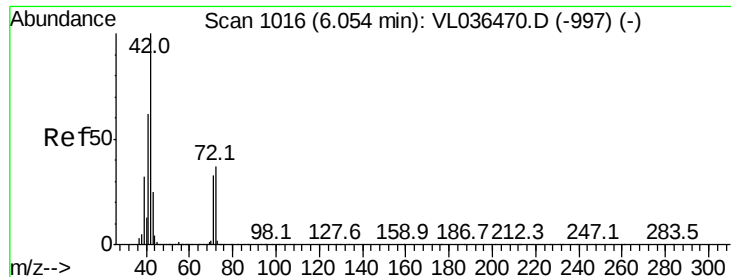
88 100

58 163.3 134.1 201.1

43 401.0 346.6 520.0

57 1748.7 1481.8 2222.8





#41

Tetrahydrofuran

Concen: 8.924 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

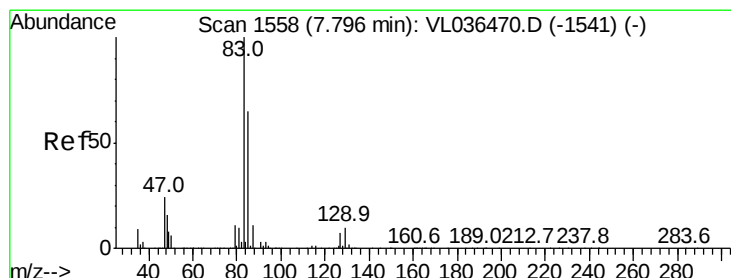
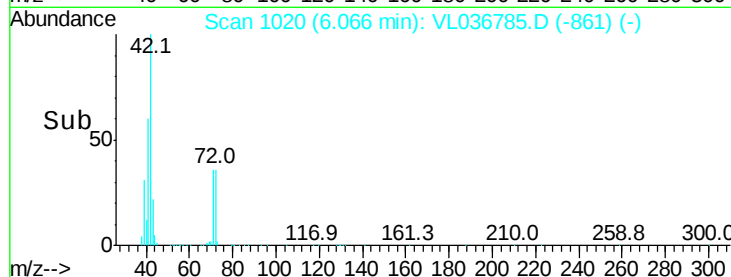
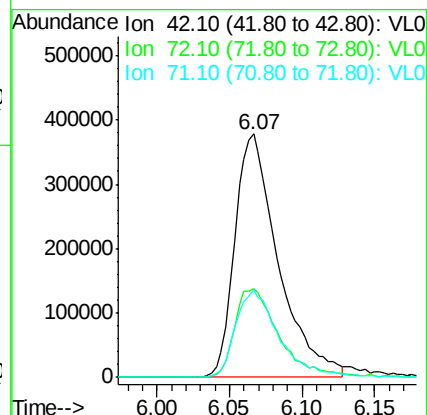
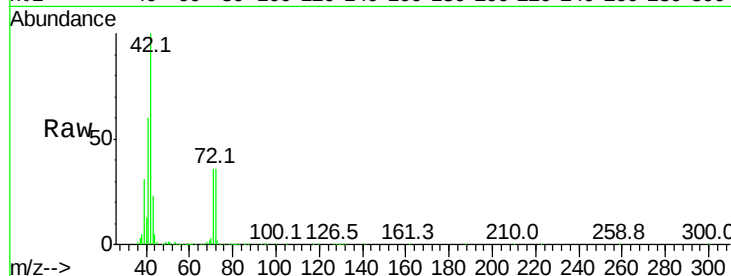
Tgt Ion: 42 Resp: 783191

Ion Ratio Lower Upper

42 100

72 37.7 27.6 41.4

71 36.6 27.0 40.4



#42

Bromodichloromethane

Concen: 9.446 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

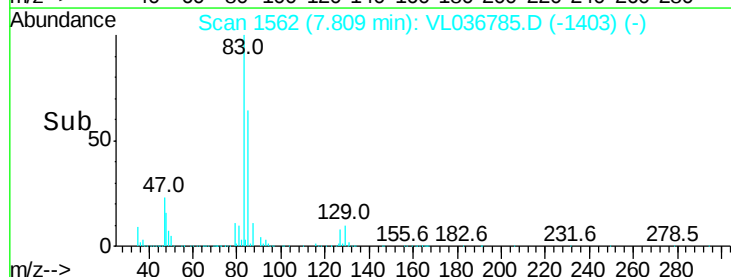
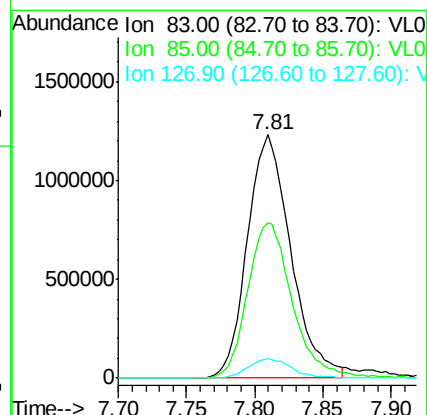
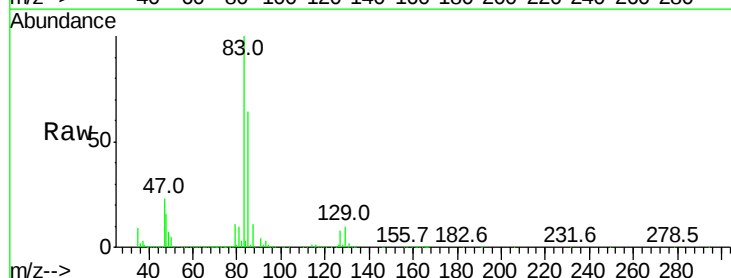
Tgt Ion: 83 Resp: 2719669

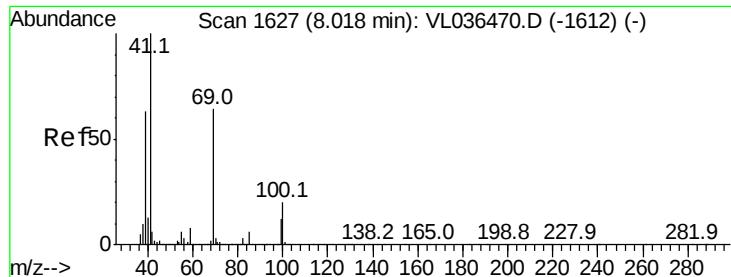
Ion Ratio Lower Upper

83 100

85 63.9 51.8 77.6

127 7.9 5.8 8.8

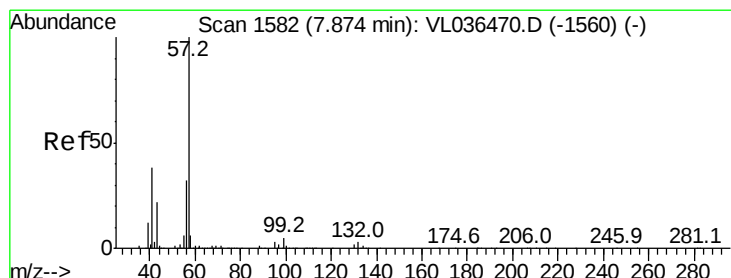
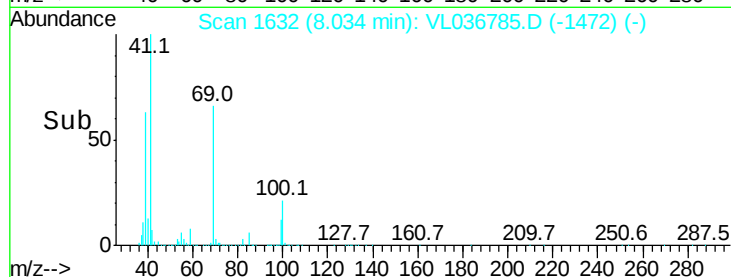
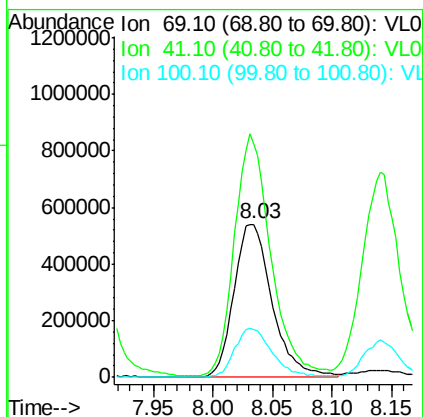
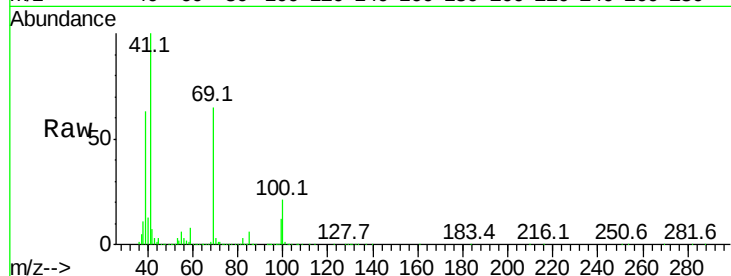




#43
Methyl Methacrylate
Concen: 9.971 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.02 min
Lab File: VL036785.D
Acq: 12 Apr 2021 9:26

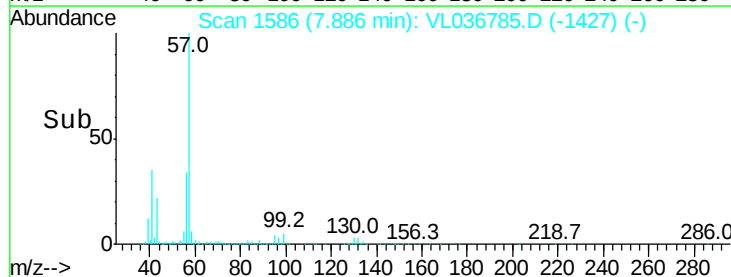
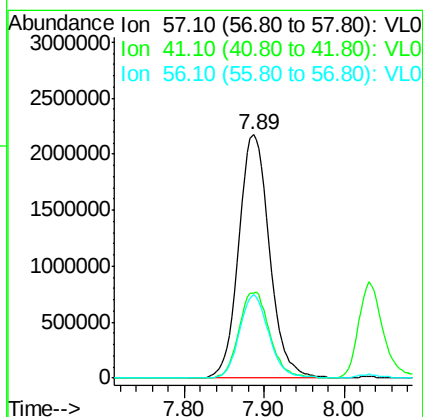
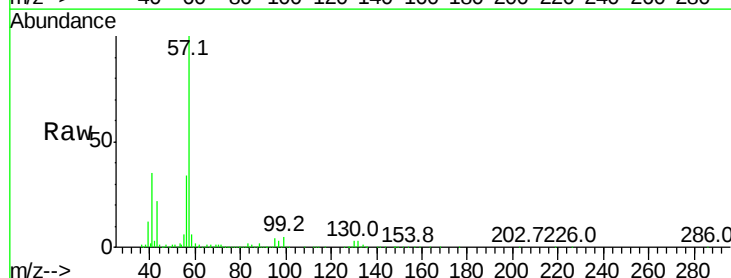
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

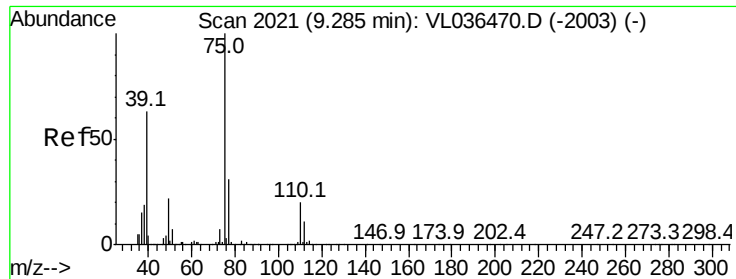
Tgt Ion: 69 Resp: 1204096
Ion Ratio Lower Upper
69 100
41 151.6 126.8 190.2
100 31.7 24.9 37.3



#44
2,2,4-Trimethylpentane
Concen: 8.912 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL036785.D
Acq: 12 Apr 2021 9:26

Tgt Ion: 57 Resp: 5641279
Ion Ratio Lower Upper
57 100
41 35.3 28.8 43.2
56 32.5 26.1 39.1





#45

t-1,3-Dichloropropene

Concen: 10.252 ppbv

RT: 9.30 min Scan# 2025

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

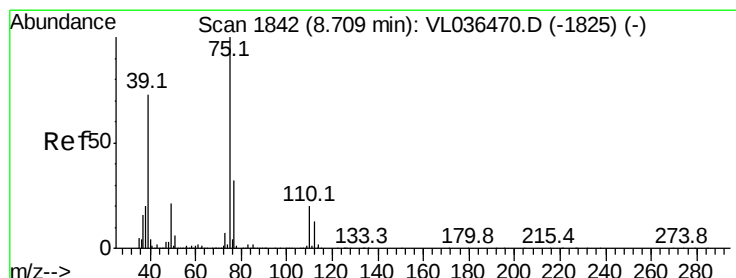
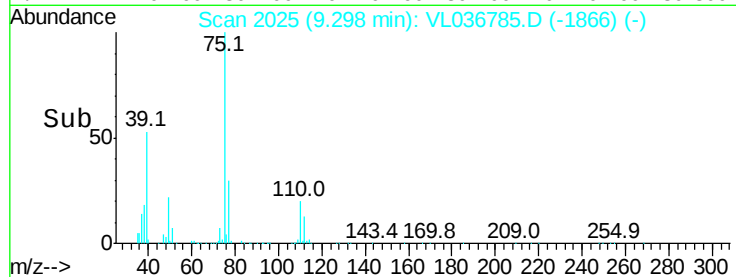
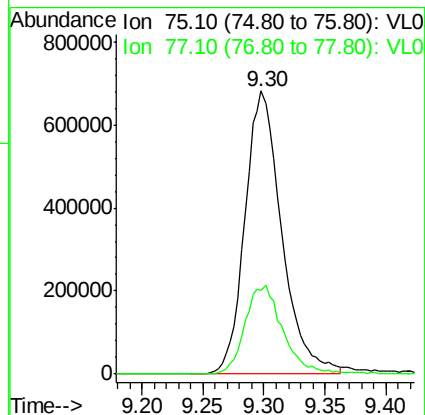
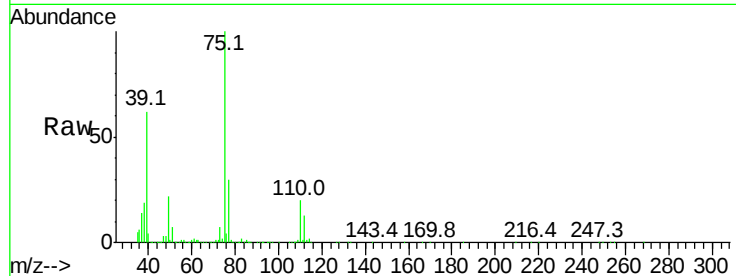
VSTDCCC010

Tgt Ion: 75 Resp: 1413749

Ion Ratio Lower Upper

75 100

77 29.6 25.1 37.7



#46

cis-1,3-Dichloropropene

Concen: 9.965 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

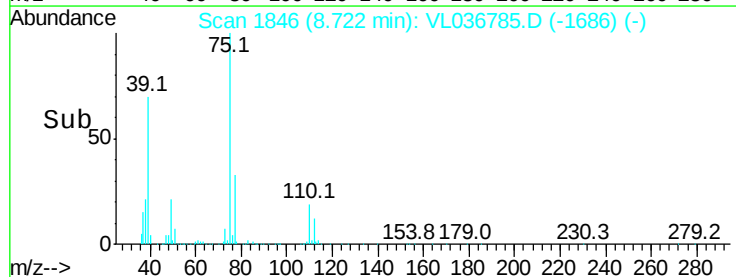
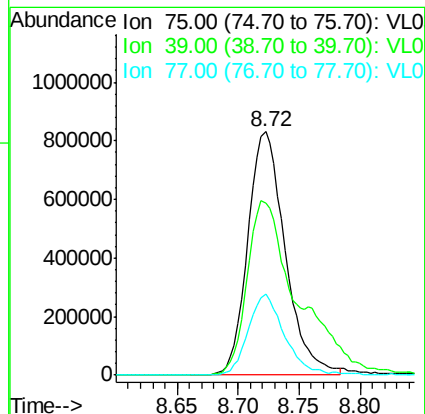
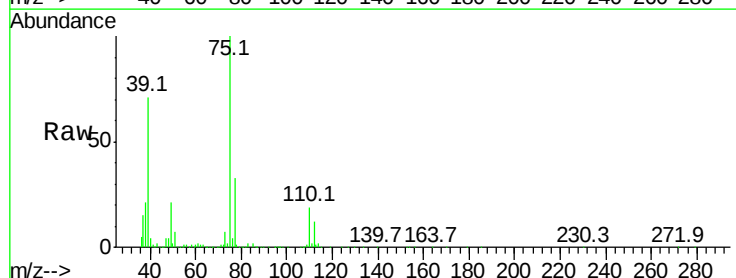
Tgt Ion: 75 Resp: 1756566

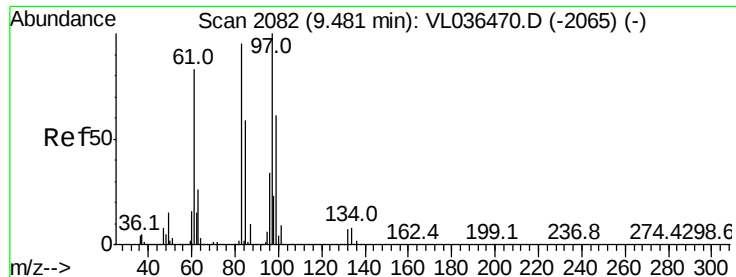
Ion Ratio Lower Upper

75 100

39 70.6 58.2 87.2

77 33.2 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 9.354 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 1382194

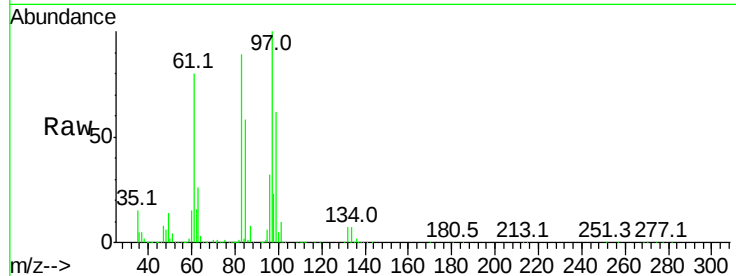
Ion Ratio Lower Upper

97 100

83 89.0 75.8 113.8

85 58.3 47.1 70.7

99 62.3 49.2 73.8

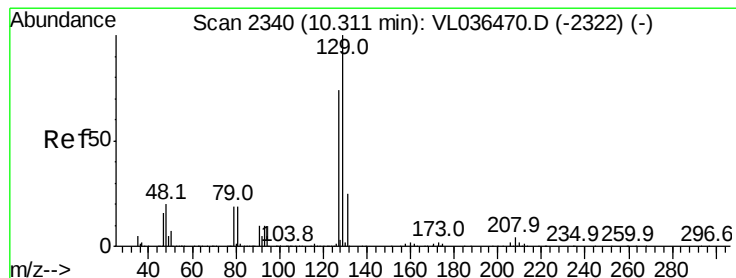
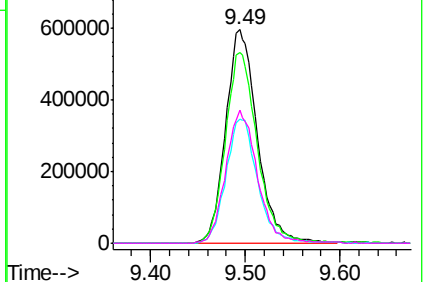
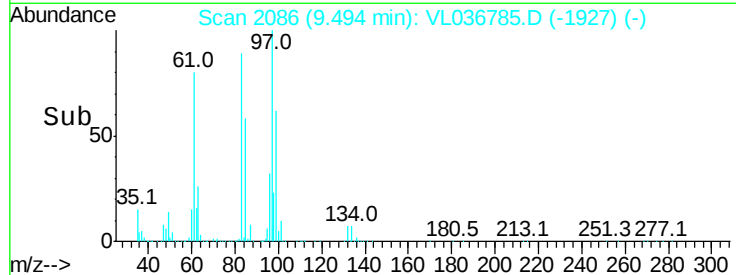


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.957 ppbv

RT: 10.33 min Scan# 2345

Delta R.T. 0.02 min

Lab File: VL036785.D

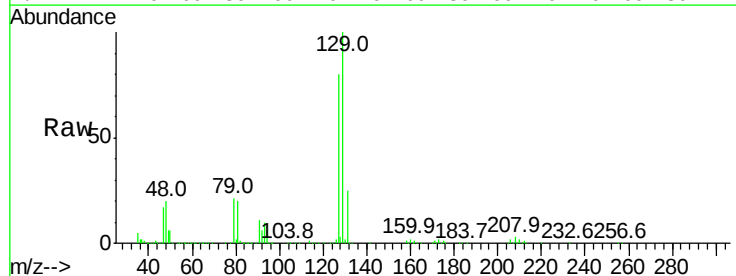
Acq: 12 Apr 2021 9:26

Tgt Ion: 129 Resp: 2242857

Ion Ratio Lower Upper

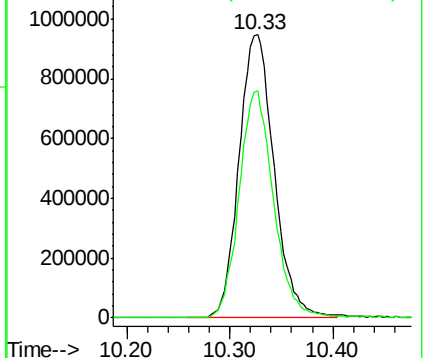
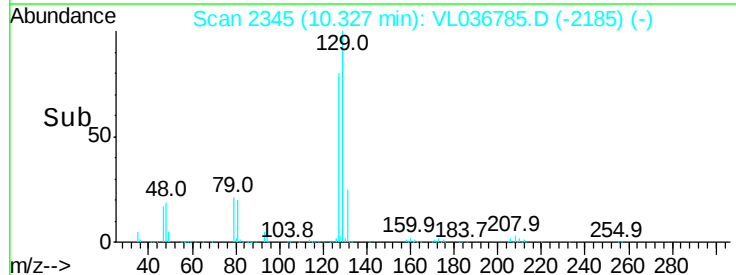
129 100

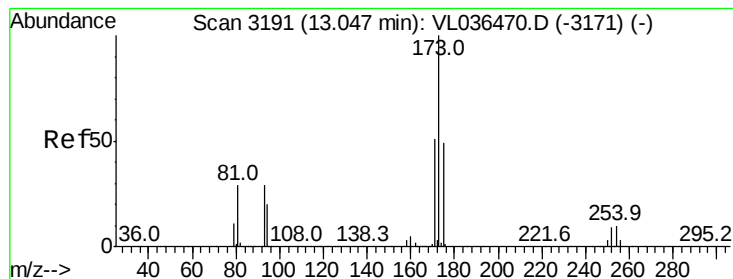
127 79.2 39.6 118.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.334 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. 0.02 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

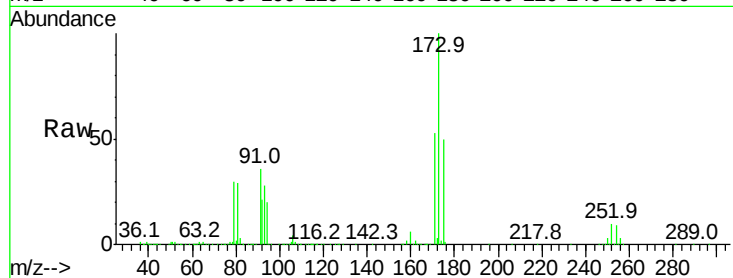
Tgt Ion:173 Resp: 1875679

Ion Ratio Lower Upper

173 100

175 50.0 39.6 59.4

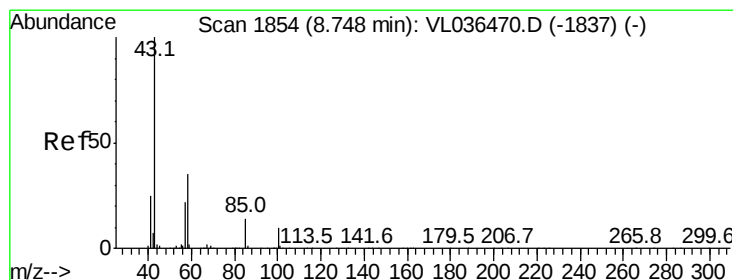
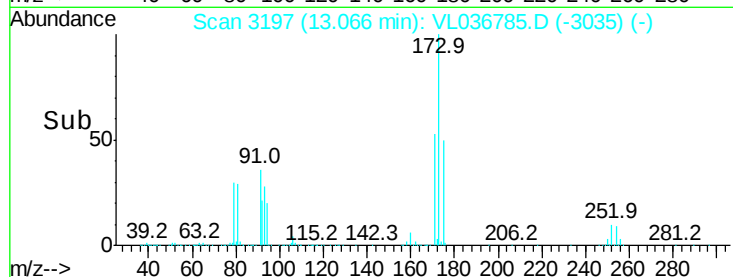
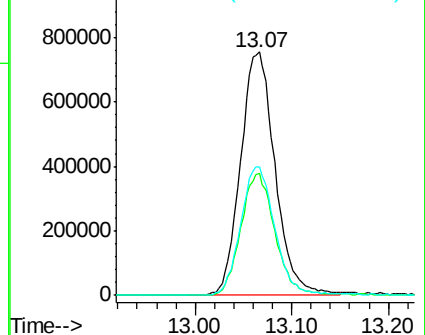
171 53.4 41.4 62.0



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: 9.316 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.01 min

Lab File: VL036785.D

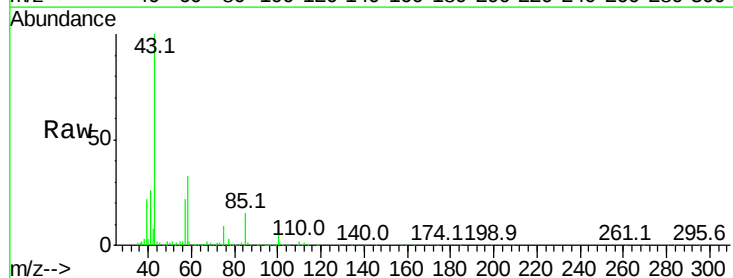
Acq: 12 Apr 2021 9:26

Tgt Ion: 43 Resp: 2566001

Ion Ratio Lower Upper

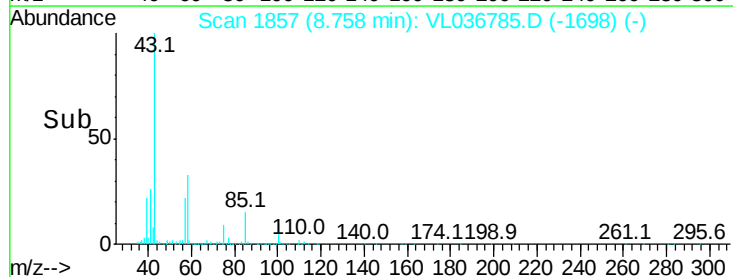
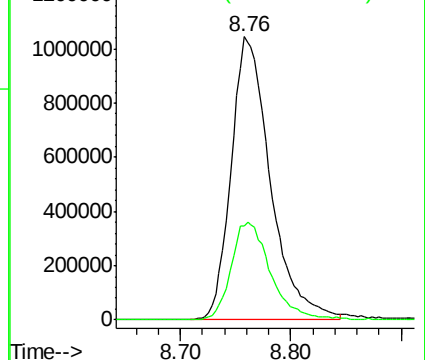
43 100

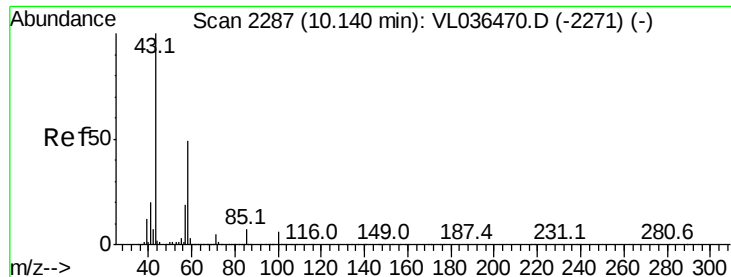
58 35.2 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.838 ppbv

RT: 10.16 min Scan# 2293

Delta R.T. 0.02 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

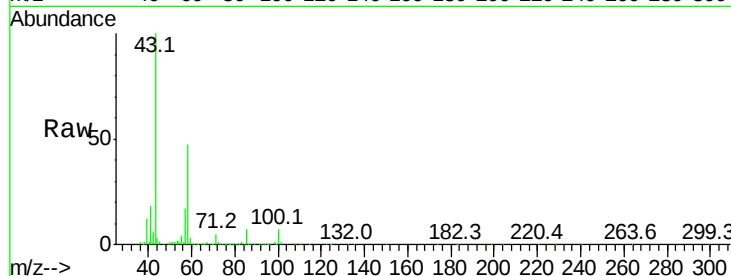
Tgt Ion: 43 Resp: 1367431

Ion Ratio Lower Upper

43 100

58 47.3 37.7 56.5

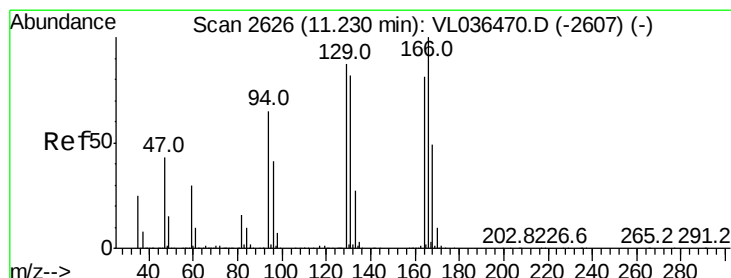
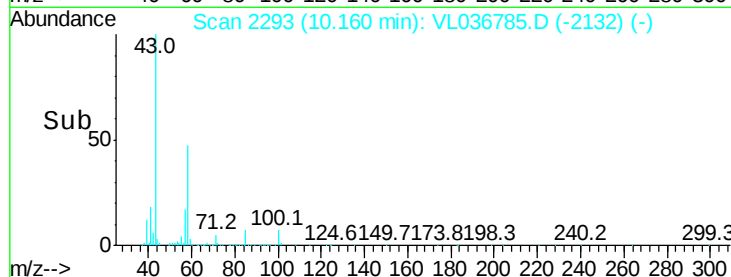
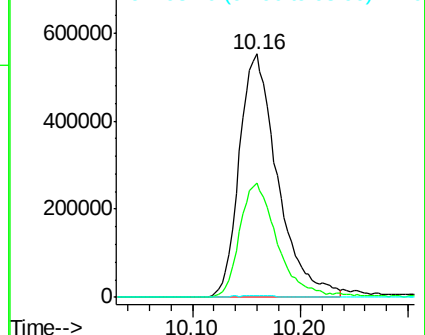
98 1.0 0.2 0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.484 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Tgt Ion: 164 Resp: 1123540

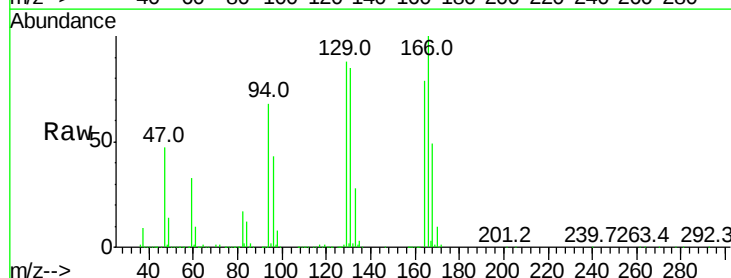
Ion Ratio Lower Upper

164 100

166 125.8 98.3 147.5

129 110.3 85.8 128.8

131 106.7 80.9 121.3

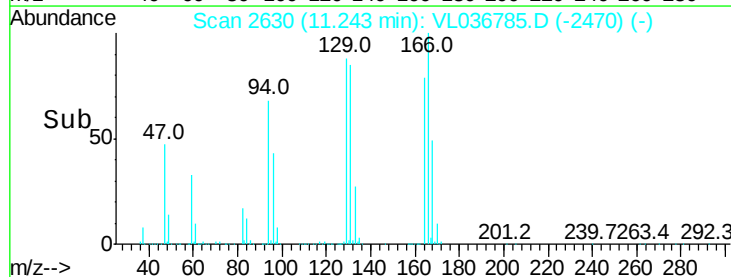
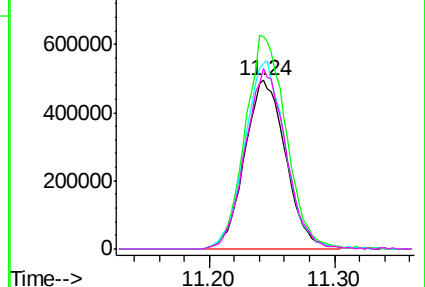


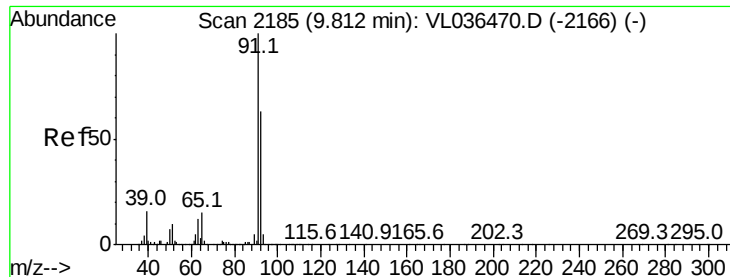
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.818 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

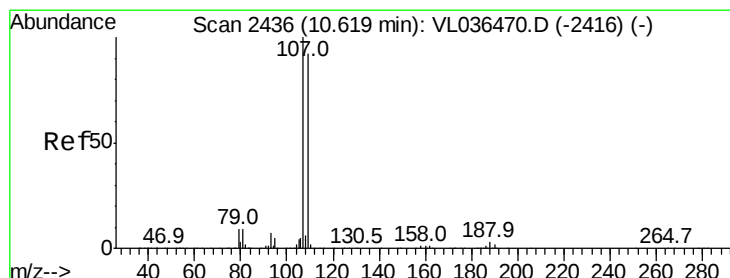
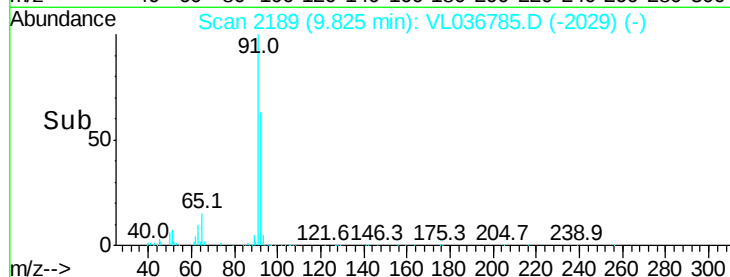
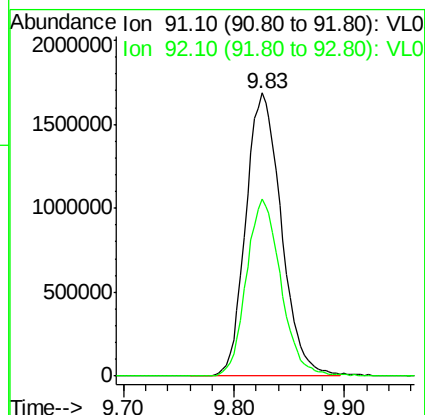
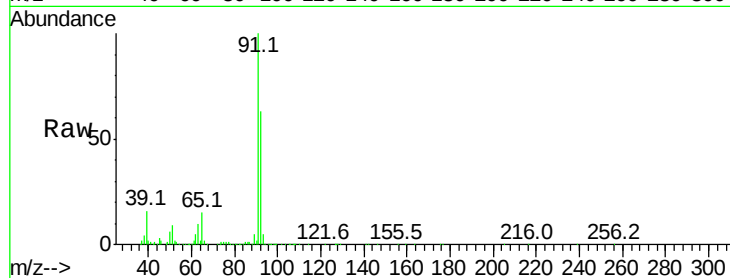
VSTDCCC010

Tgt Ion: 91 Resp: 3760083

Ion Ratio Lower Upper

91 100

92 61.0 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.376 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.01 min

Lab File: VL036785.D

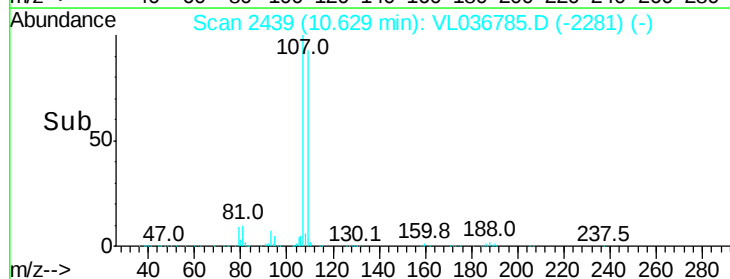
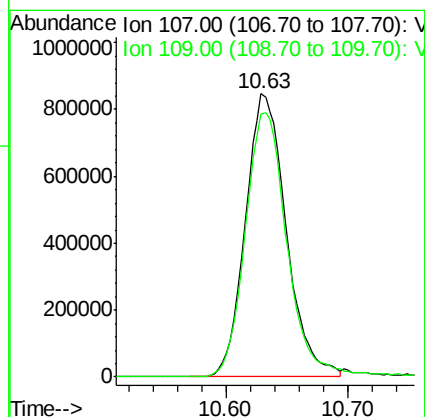
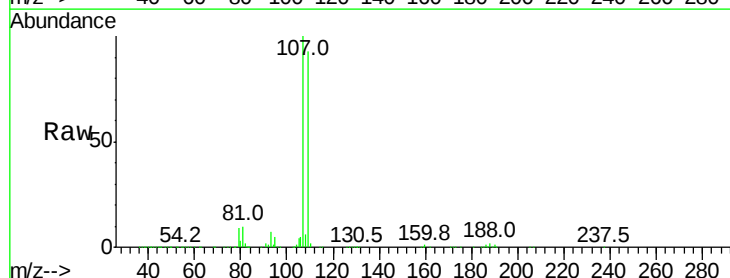
Acq: 12 Apr 2021 9:26

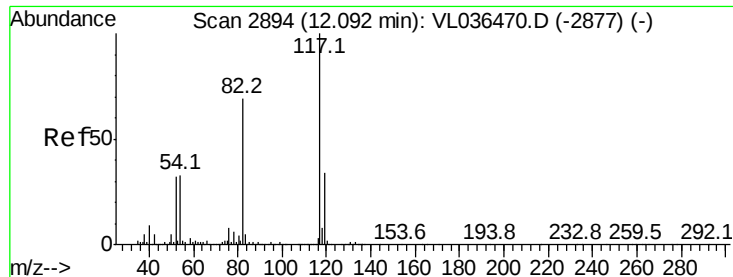
Tgt Ion: 107 Resp: 1956575

Ion Ratio Lower Upper

107 100

109 92.6 73.9 110.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. 0.02 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

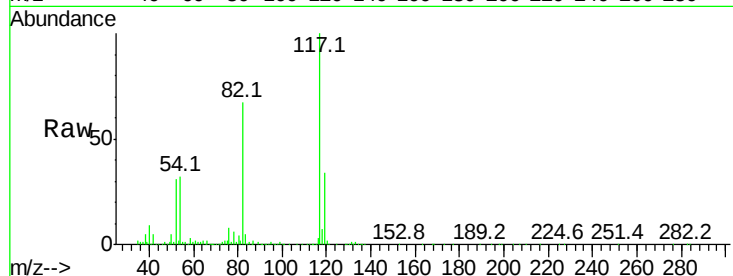
Tgt Ion:117 Resp: 4090425

Ion Ratio Lower Upper

117 100

82 54.3 57.4 86.0#

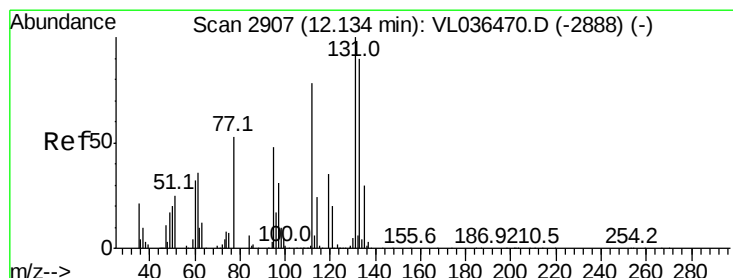
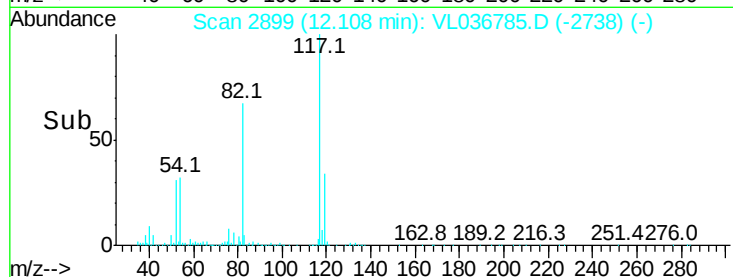
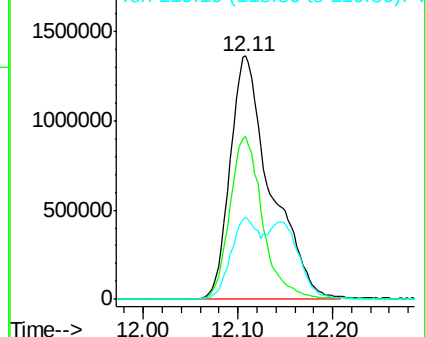
119 25.9 47.4 71.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.258 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

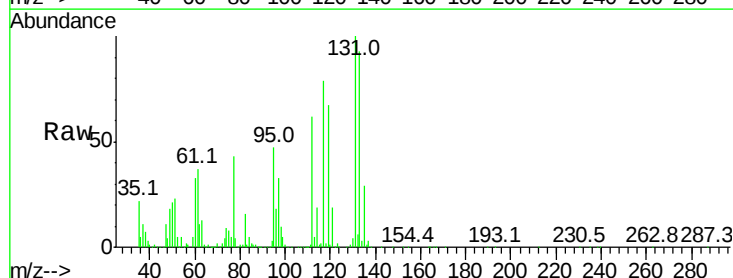
Tgt Ion:131 Resp: 1527823

Ion Ratio Lower Upper

131 100

133 94.6 75.8 113.6

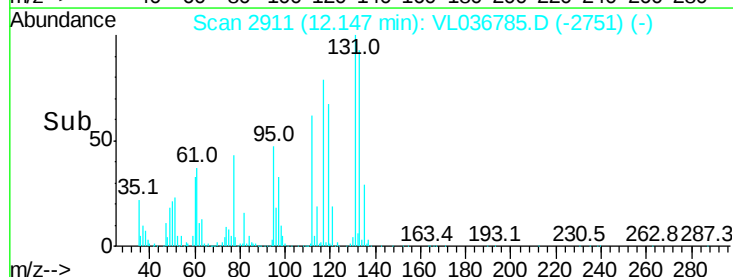
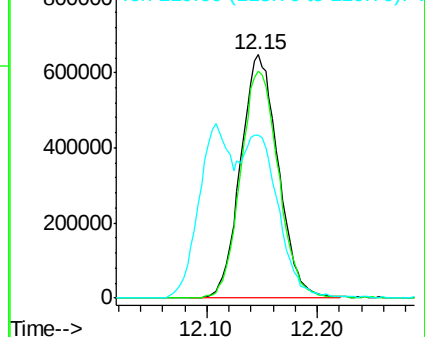
119 60.5 48.7 73.1

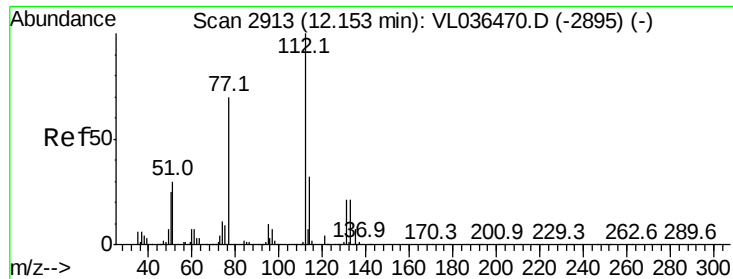


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.942 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. 0.02 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

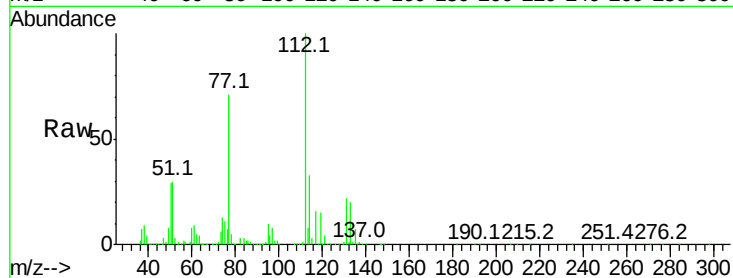
Tgt Ion: 112 Resp: 2764163

Ion Ratio Lower Upper

112 100

77 69.6 56.0 84.0

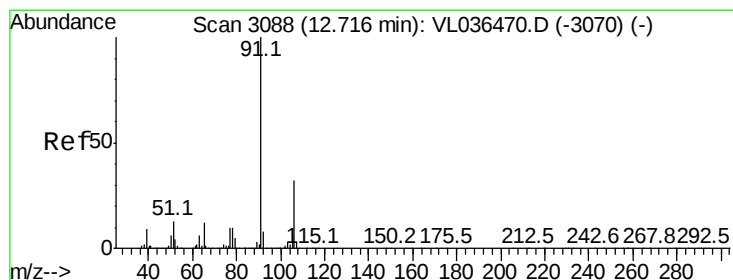
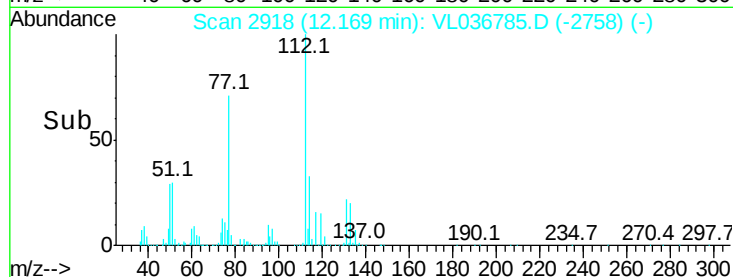
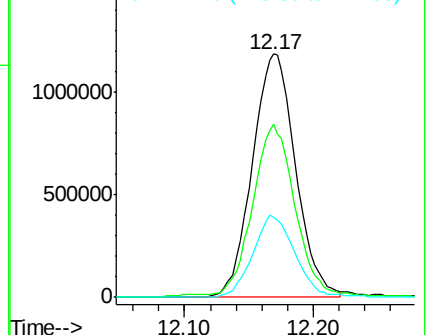
114 32.9 29.0 35.4



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: 8.476 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. 0.02 min

Lab File: VL036785.D

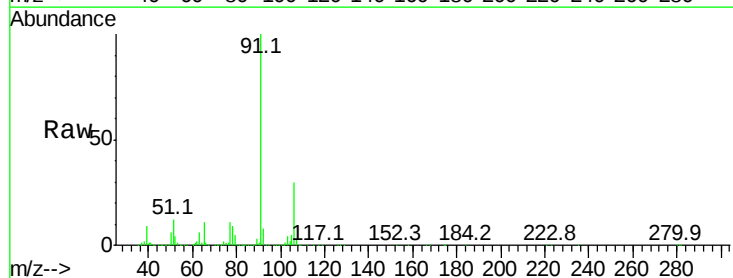
Acq: 12 Apr 2021 9:26

Tgt Ion: 91 Resp: 5044182

Ion Ratio Lower Upper

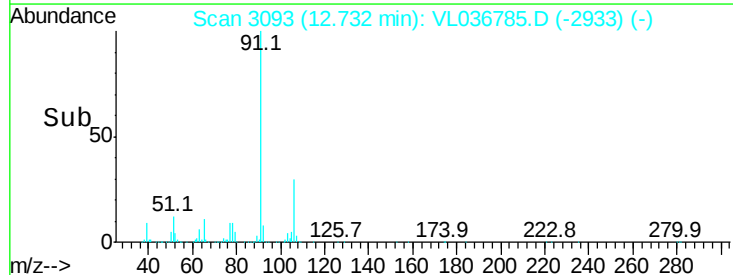
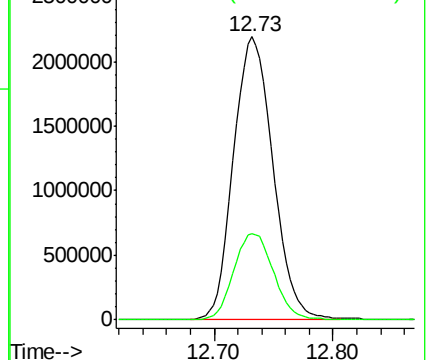
91 100

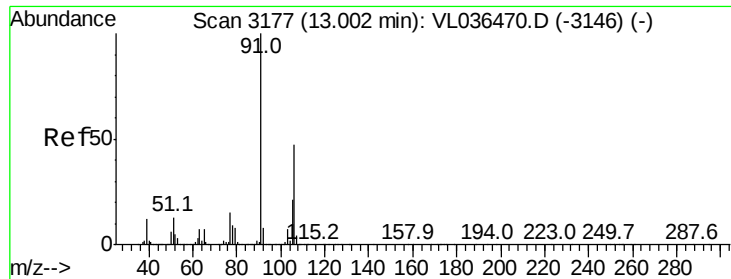
106 30.4 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 5.733 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. 0.02 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

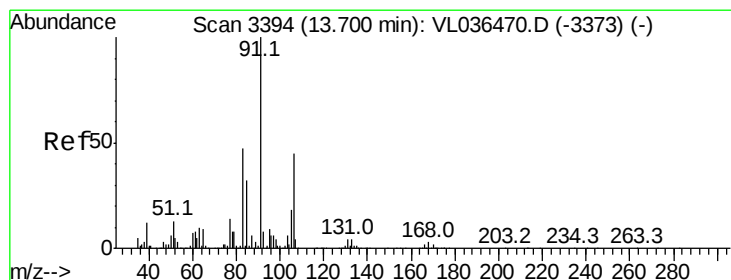
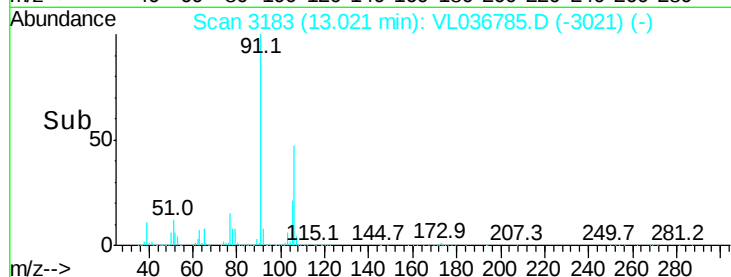
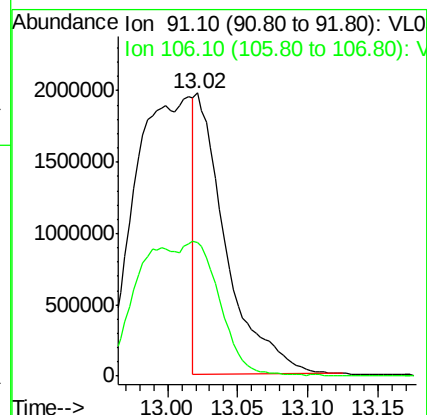
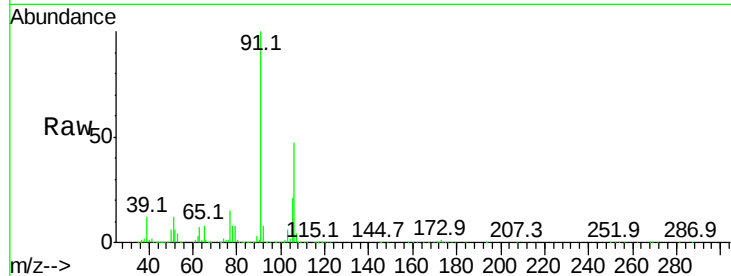
VSTDCCC010

Tgt Ion: 91 Resp: 2975812

Ion Ratio Lower Upper

91 100

106 127.7 35.3 52.9#



#60

o-Xylene

Concen: 8.071 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. 0.02 min

Lab File: VL036785.D

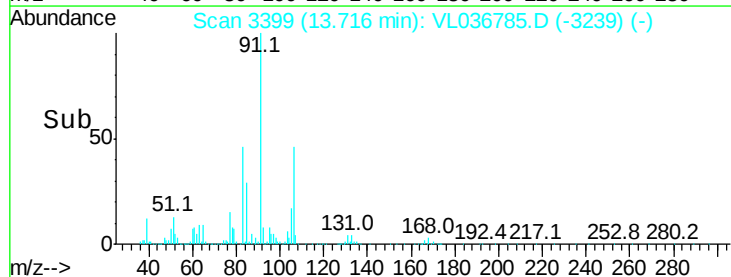
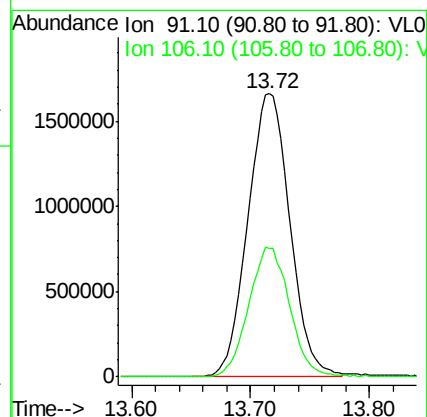
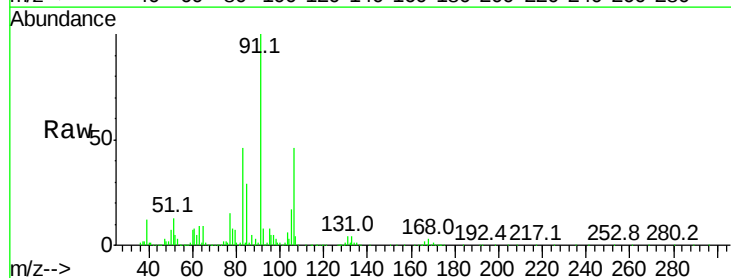
Acq: 12 Apr 2021 9:26

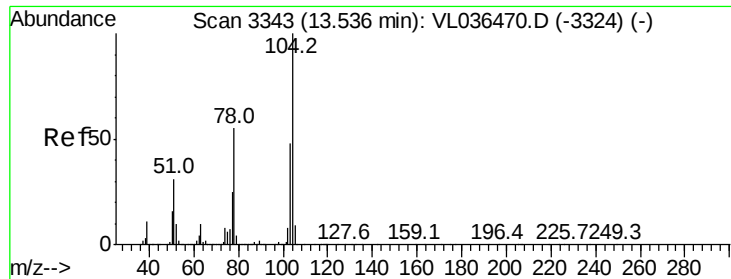
Tgt Ion: 91 Resp: 4050836

Ion Ratio Lower Upper

91 100

106 45.0 22.3 66.9

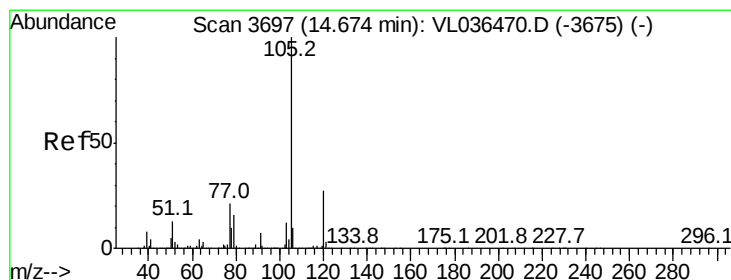
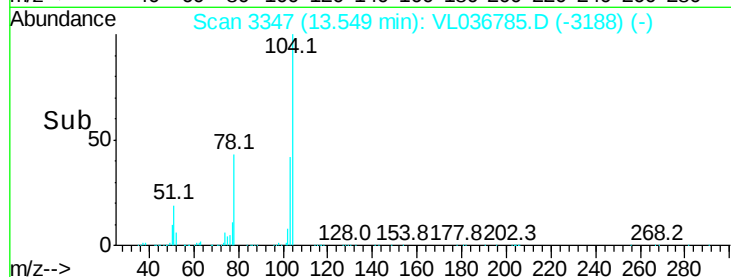
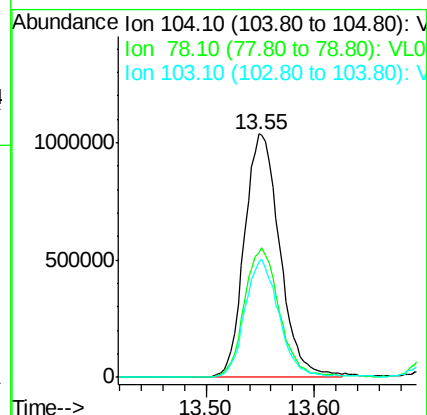
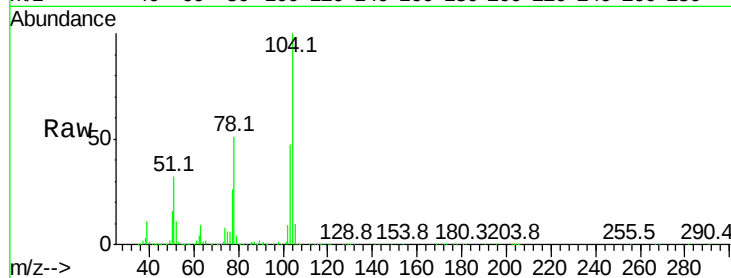




#61
 Styrene
 Concen: 9.370 ppbv
 RT: 13.55 min Scan# 3347
 Delta R.T. 0.01 min
 Lab File: VL036785.D
 Acq: 12 Apr 2021 9:26

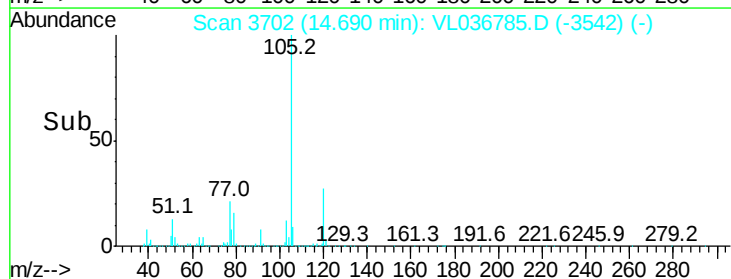
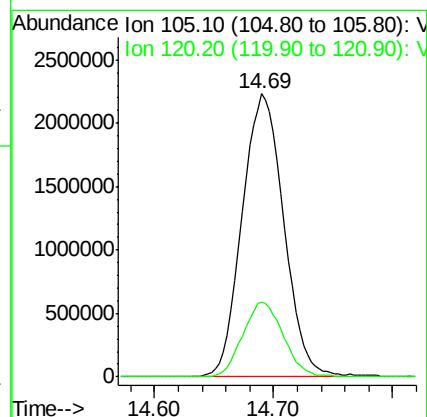
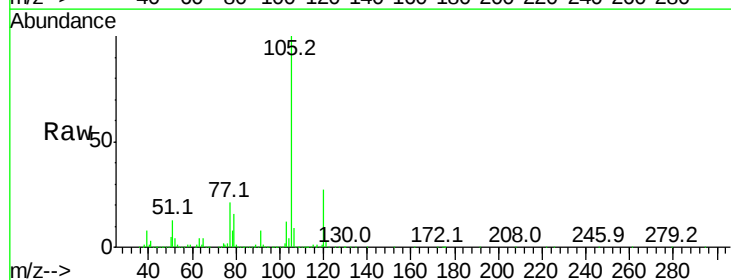
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

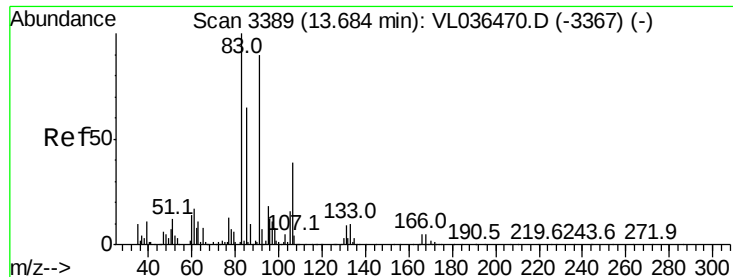
Tgt Ion:104 Resp: 2365837
 Ion Ratio Lower Upper
 104 100
 78 53.0 43.8 65.8
 103 47.1 38.3 57.5



#62
 Isopropylbenzene
 Concen: 7.989 ppbv
 RT: 14.69 min Scan# 3702
 Delta R.T. 0.02 min
 Lab File: VL036785.D
 Acq: 12 Apr 2021 9:26

Tgt Ion:105 Resp: 5399294
 Ion Ratio Lower Upper
 105 100
 120 26.1 20.6 31.0

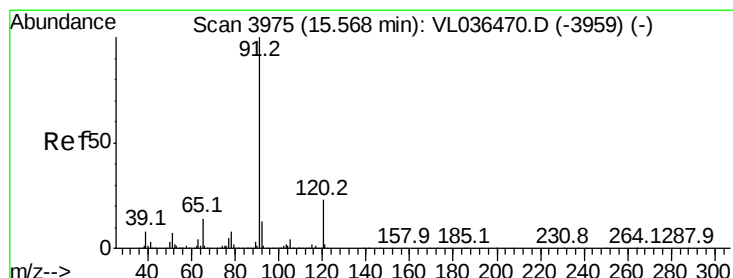
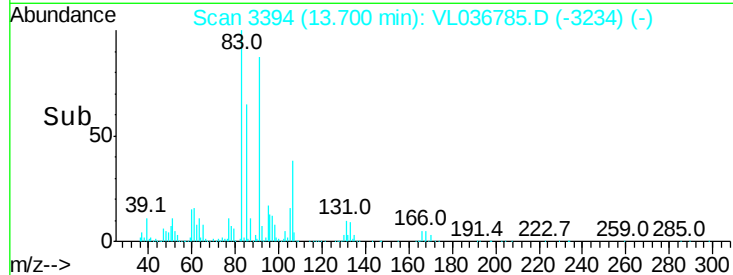
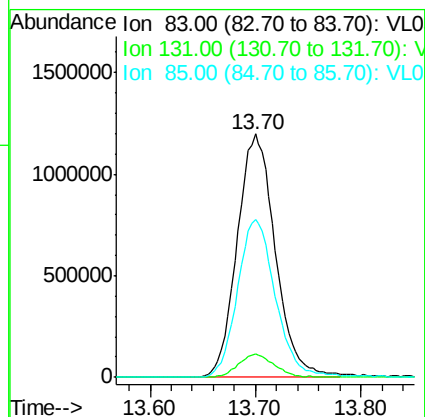
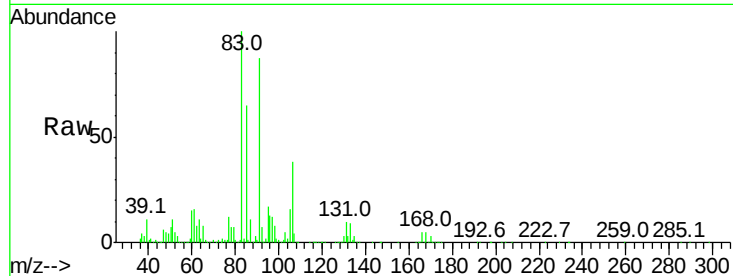




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.871 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. 0.02 min
 Lab File: VL036785.D
 Acq: 12 Apr 2021 9:26

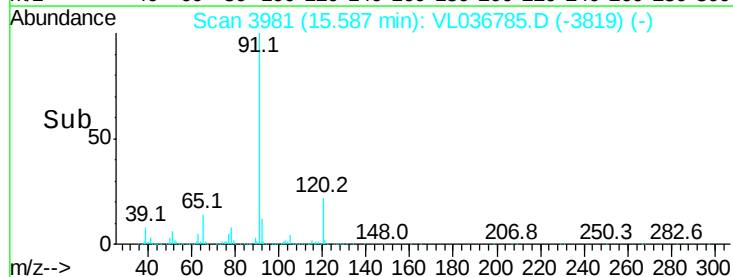
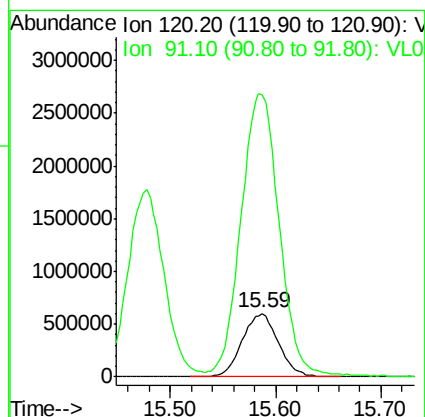
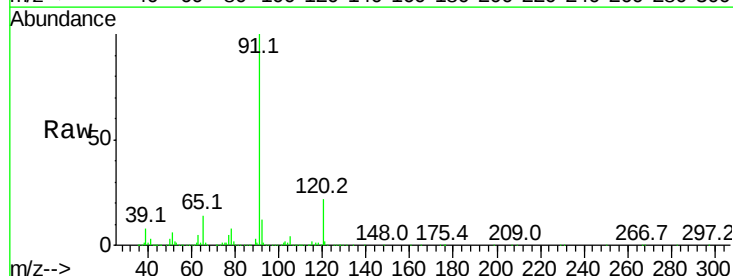
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

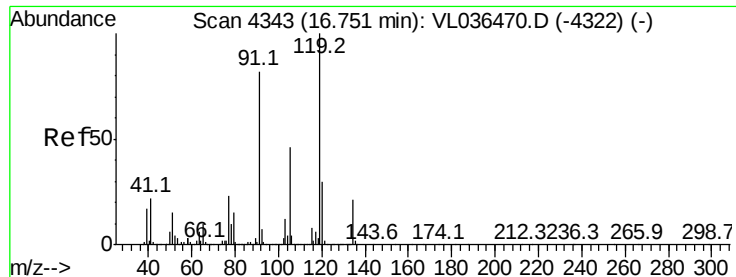
Tgt Ion: 83 Resp: 3013390
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.7 14.0
 85 65.3 33.1 99.3



#64
 n-propylbenzene
 Concen: 8.678 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. 0.02 min
 Lab File: VL036785.D
 Acq: 12 Apr 2021 9:26

Tgt Ion: 120 Resp: 1433979
 Ion Ratio Lower Upper
 120 100
 91 474.6 377.4 566.2

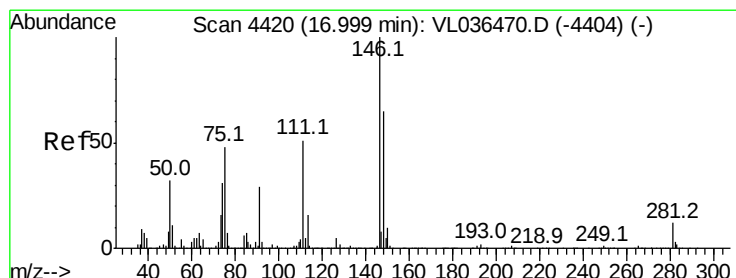
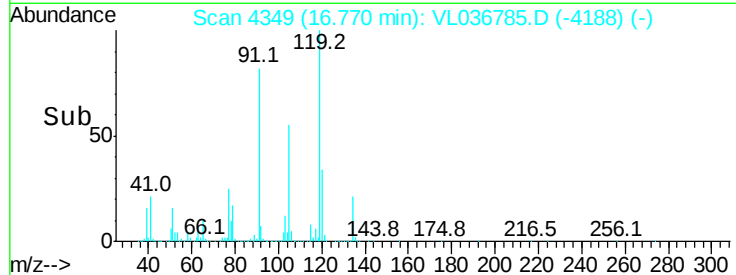
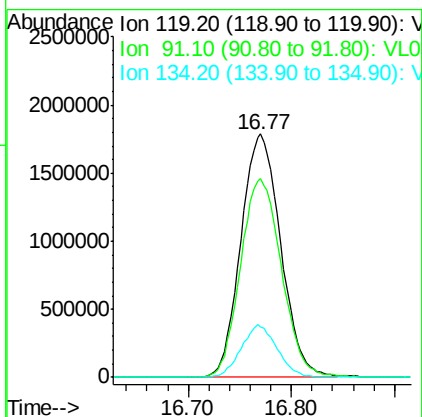
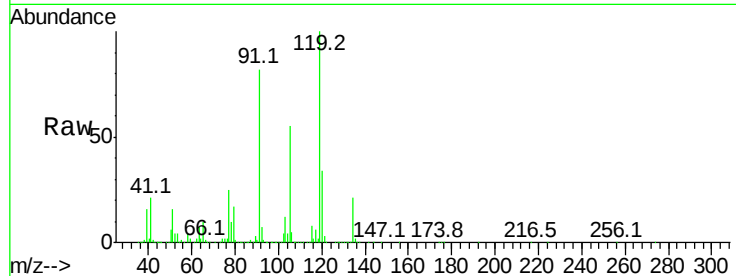




#65
 tert-Butylbenzene
 Concen: 8.154 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. 0.02 min
 Lab File: VL036785.D
 Acq: 12 Apr 2021 9:26

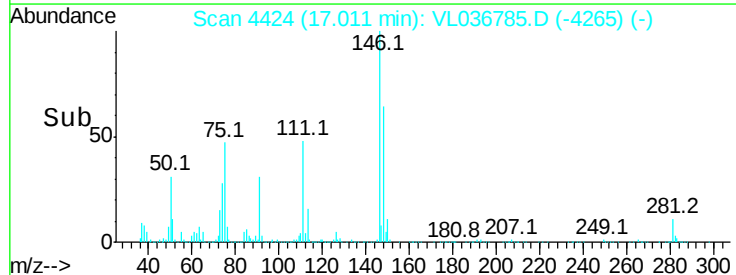
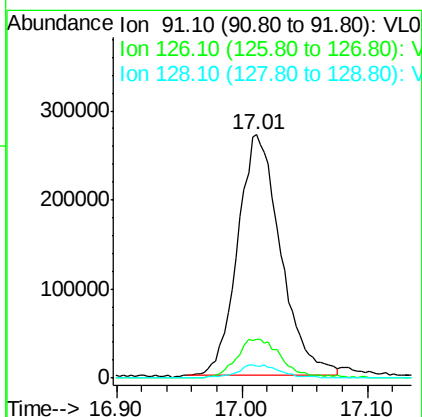
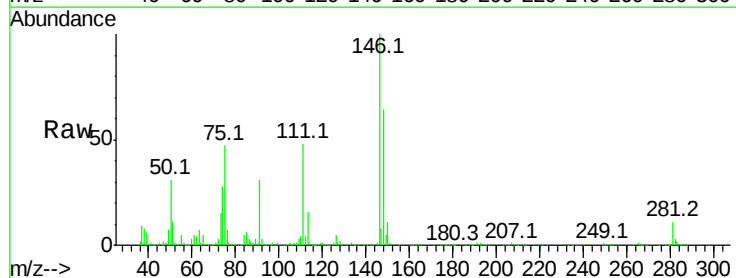
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

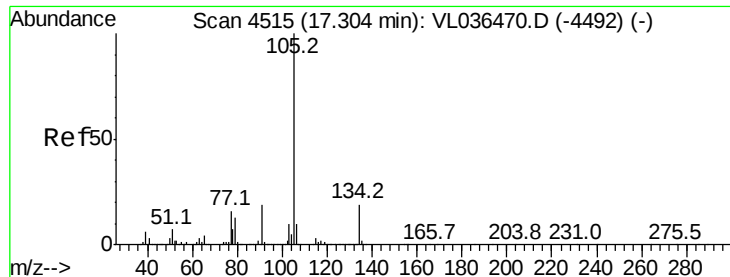
Tgt Ion: 119 Resp: 4778922
 Ion Ratio Lower Upper
 119 100
 91 84.4 67.5 101.3
 134 19.6 15.8 23.8



#66
 Benzyl Chloride
 Concen: 9.945 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. 0.01 min
 Lab File: VL036785.D
 Acq: 12 Apr 2021 9:26

Tgt Ion: 91 Resp: 644239
 Ion Ratio Lower Upper
 91 100
 126 17.5 13.5 20.3
 128 5.9 4.2 6.4





#67

sec-Butylbenzene

Concen: 8.100 ppbv

RT: 17.32 min Scan# 4519

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

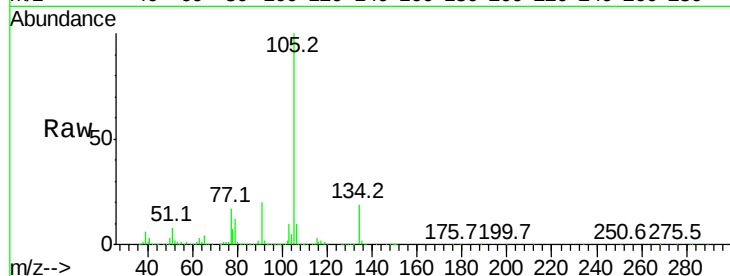
VSTDCCC010

Tgt Ion:105 Resp: 6700419

Ion Ratio Lower Upper

105 100

134 18.4 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

3000000

2500000

2000000

1500000

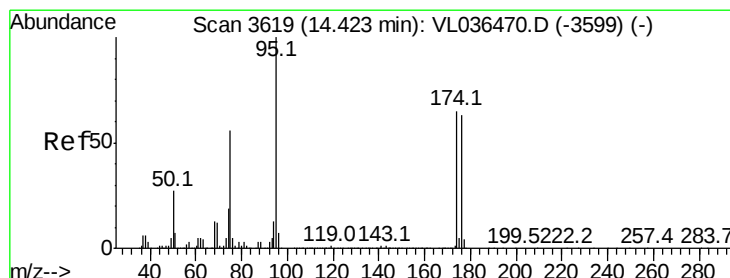
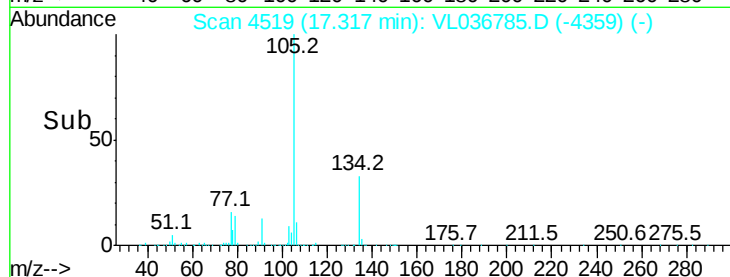
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 6.920 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.02 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

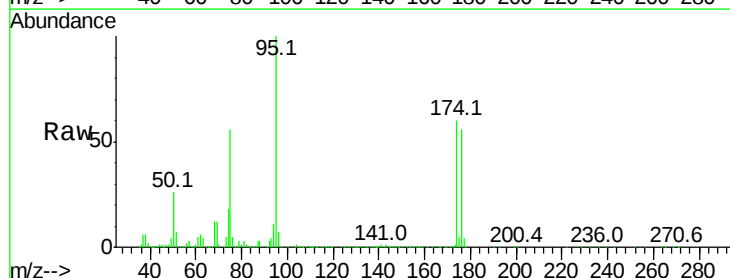
Tgt Ion: 95 Resp: 2256041

Ion Ratio Lower Upper

95 100

174 62.7 51.0 76.6

175 4.7 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1200000

1000000

800000

600000

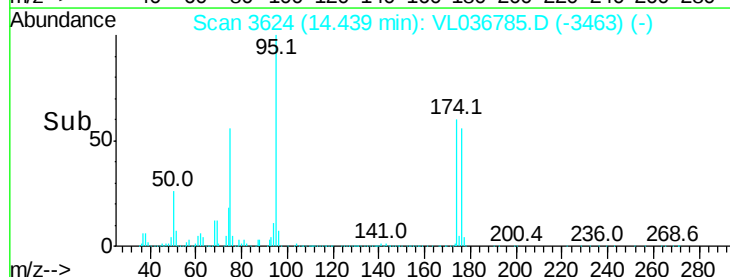
400000

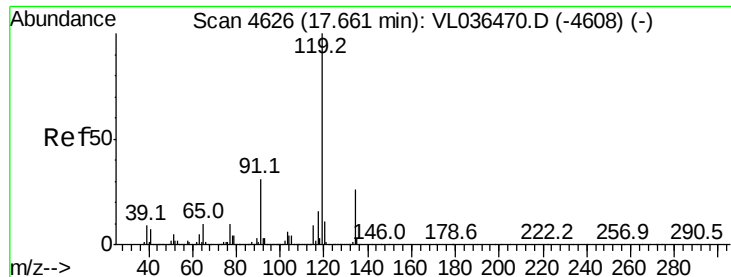
200000

0

14.40 14.50

Time-->

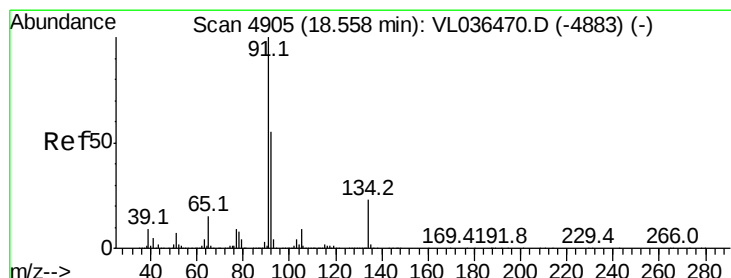
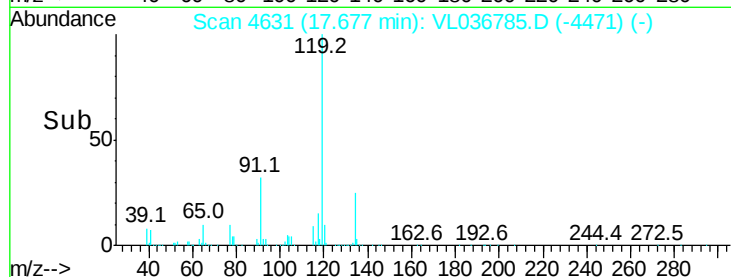
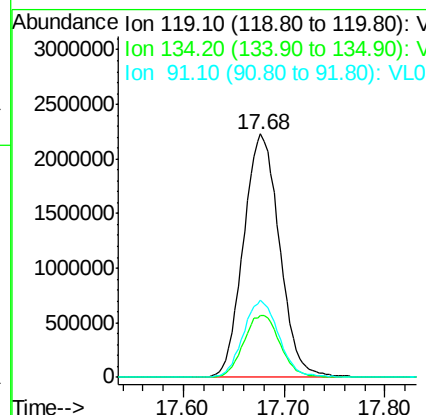
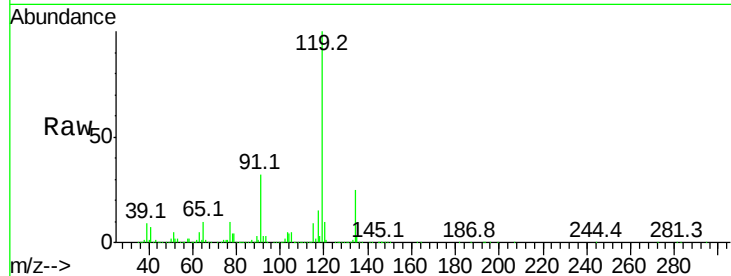




#69
p-Isopropyltoluene
Concen: 8.546 ppbv
RT: 17.68 min Scan# 4631
Delta R.T. 0.02 min
Lab File: VL036785.D
Acq: 12 Apr 2021 9:26

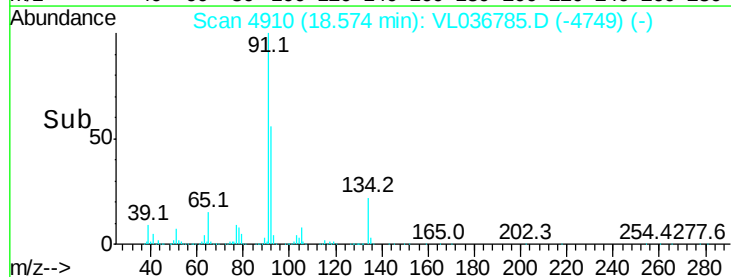
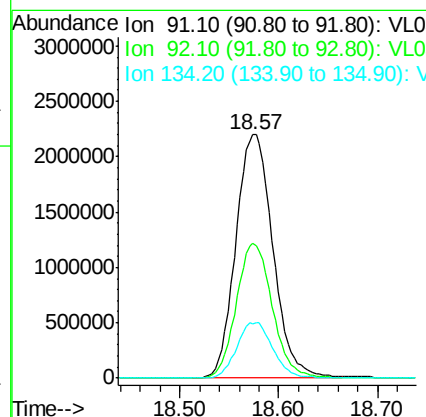
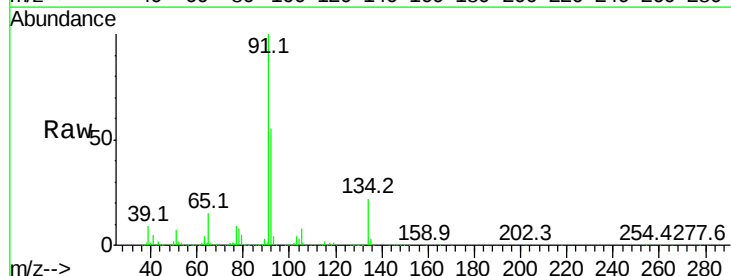
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

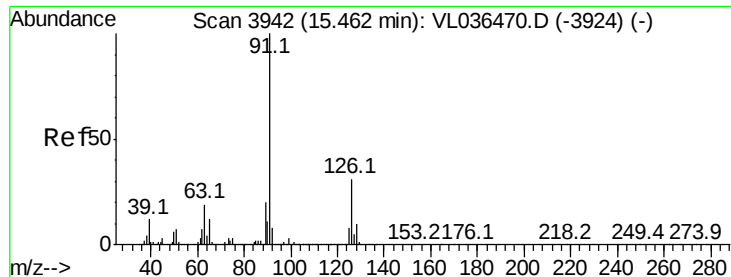
Tgt Ion: 119 Resp: 5520658
Ion Ratio Lower Upper
119 100
134 25.7 20.6 30.8
91 31.2 25.0 37.6



#70
n-Butylbenzene
Concen: 8.577 ppbv
RT: 18.57 min Scan# 4910
Delta R.T. 0.02 min
Lab File: VL036785.D
Acq: 12 Apr 2021 9:26

Tgt Ion: 91 Resp: 5745265
Ion Ratio Lower Upper
91 100
92 54.0 43.8 65.8
134 22.2 18.0 27.0





#71

2-Chlorotoluene

Concen: 8.388 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. 0.02 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

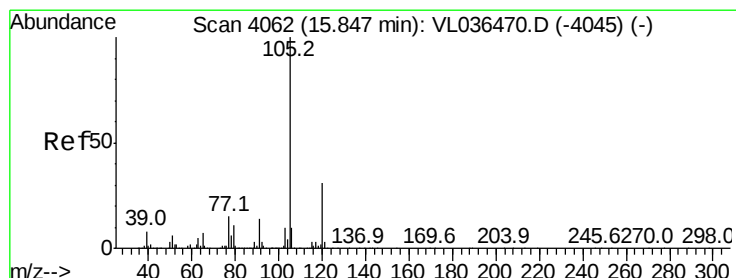
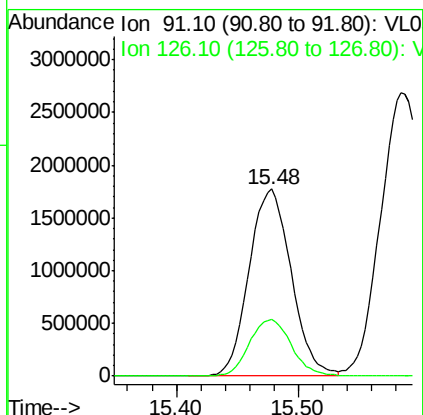
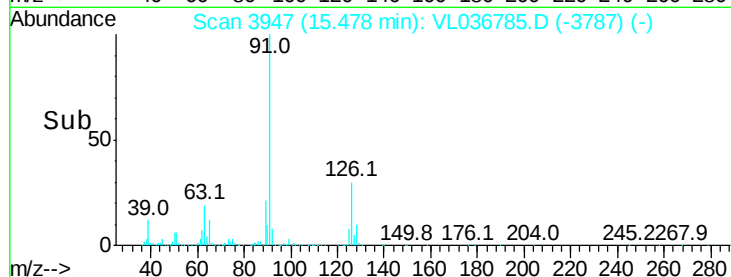
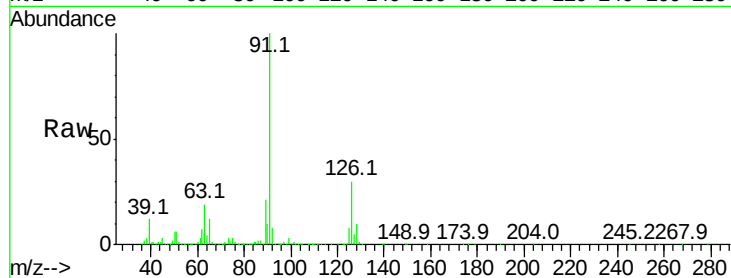
VSTDCCC010

Tgt Ion: 91 Resp: 4248048

Ion Ratio Lower Upper

91 100

126 30.8 12.1 48.5



#72

4-Ethyltoluene

Concen: 8.663 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. 0.02 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Tgt Ion: 105 Resp: 4764157

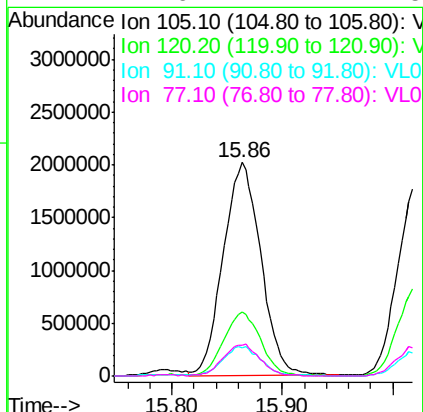
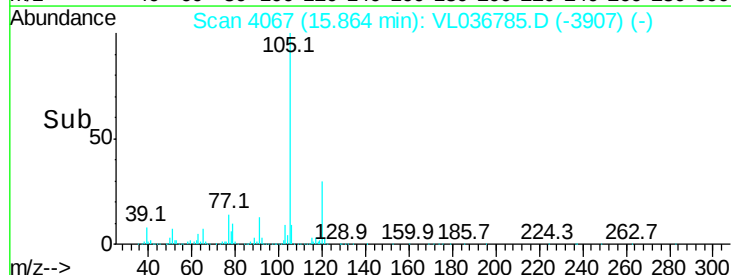
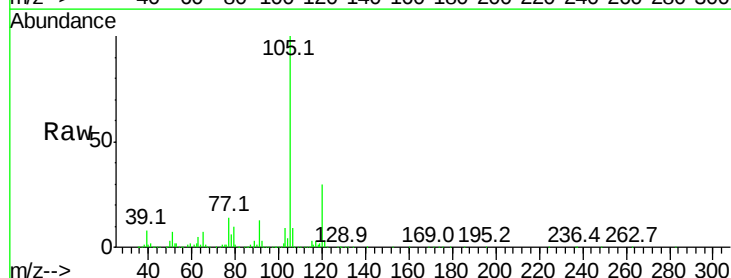
Ion Ratio Lower Upper

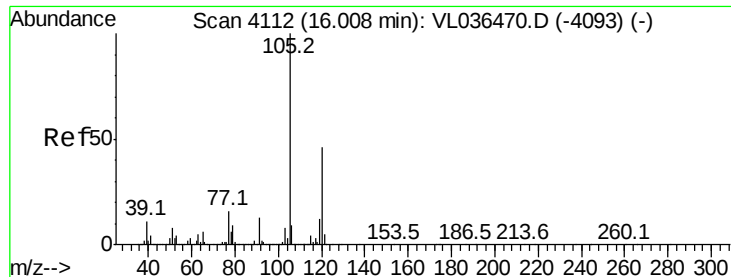
105 100

120 29.7 24.0 36.0

91 13.9 11.0 16.4

77 14.6 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 8.409 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. 0.01 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

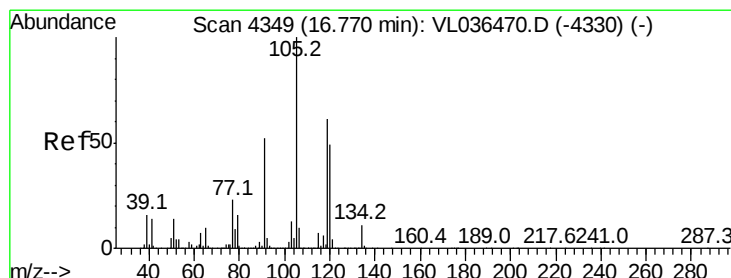
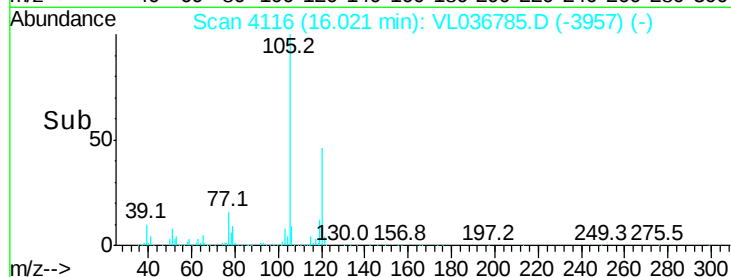
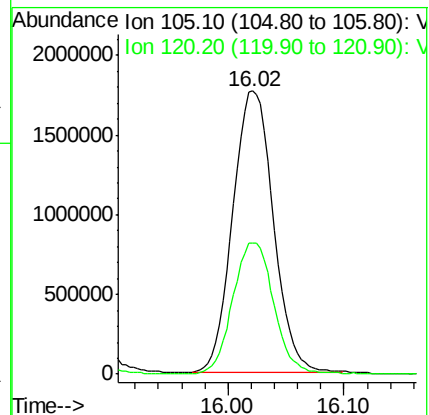
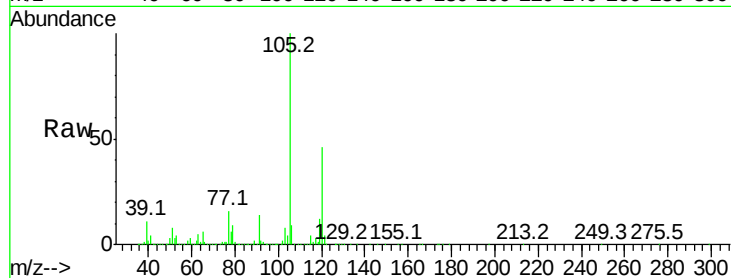
VSTDCCC010

Tgt Ion:105 Resp: 4316309

Ion Ratio Lower Upper

105 100

120 46.1 36.6 54.8



#74

1,2,4-Trimethylbenzene

Concen: 8.129 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.02 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Tgt Ion:105 Resp: 4465043

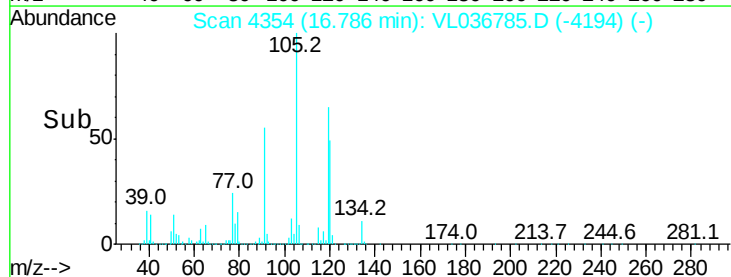
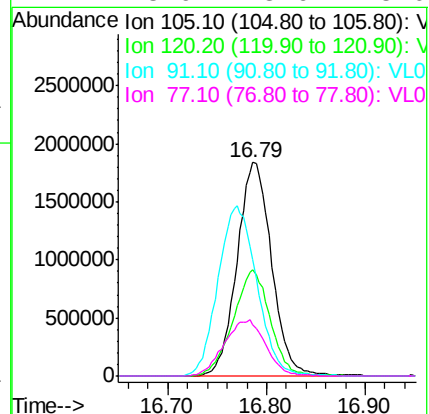
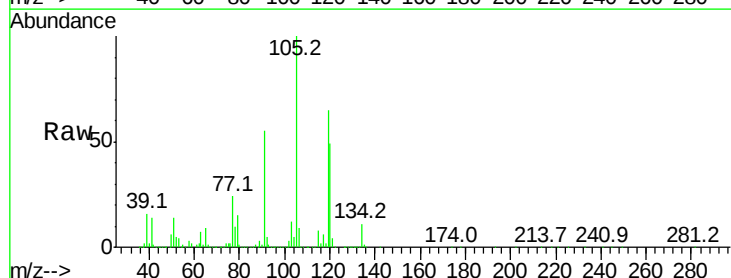
Ion Ratio Lower Upper

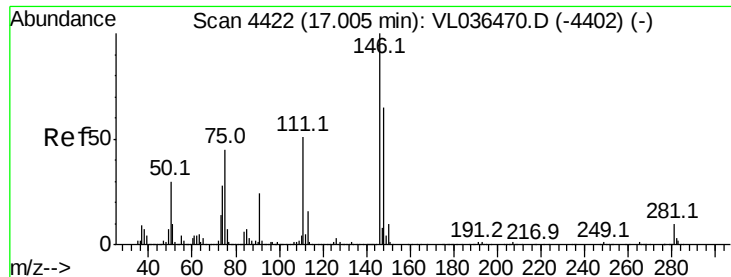
105 100

120 49.2 39.2 58.8

91 54.3 42.6 64.0

77 23.9 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 8.309 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. 0.02 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

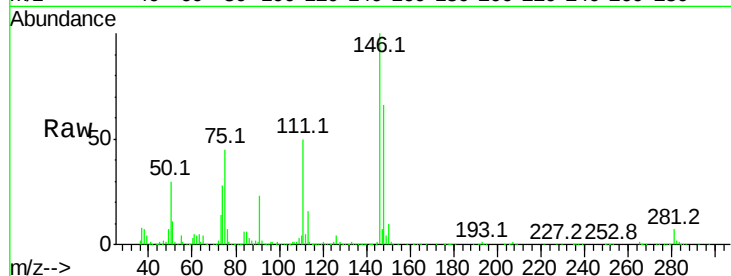
Tgt Ion:146 Resp: 2569045

Ion Ratio Lower Upper

146 100

111 49.3 24.5 73.5

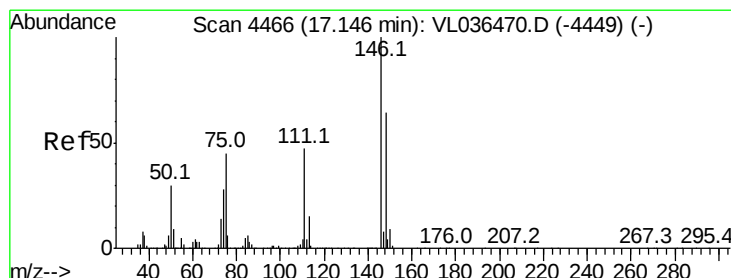
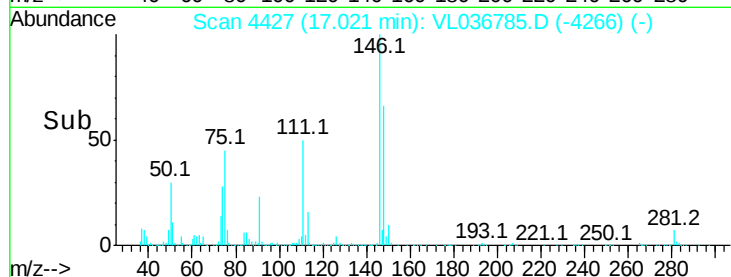
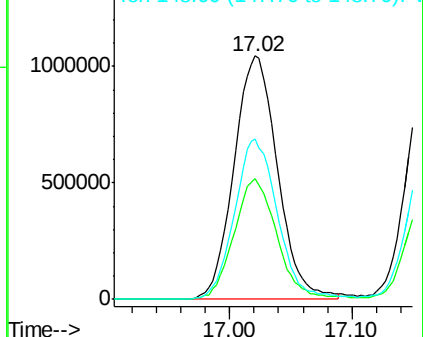
148 65.5 32.3 96.9



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: 8.112 ppbv

RT: 17.16 min Scan# 4471

Delta R.T. 0.02 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

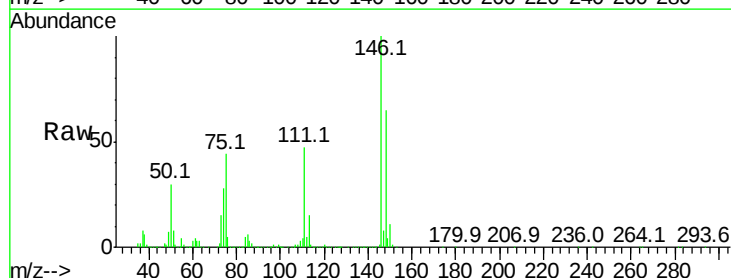
Tgt Ion:146 Resp: 2490206

Ion Ratio Lower Upper

146 100

111 48.3 24.3 72.8

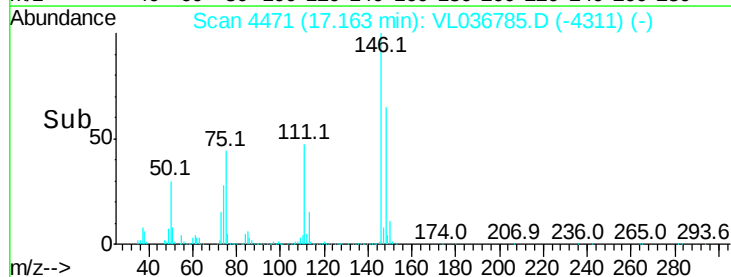
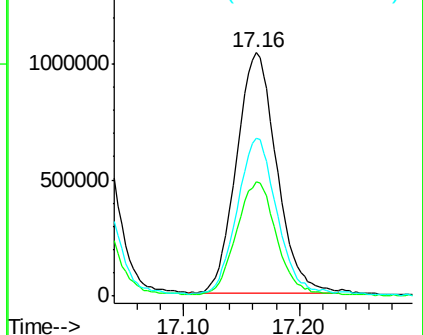
148 66.7 33.0 98.9

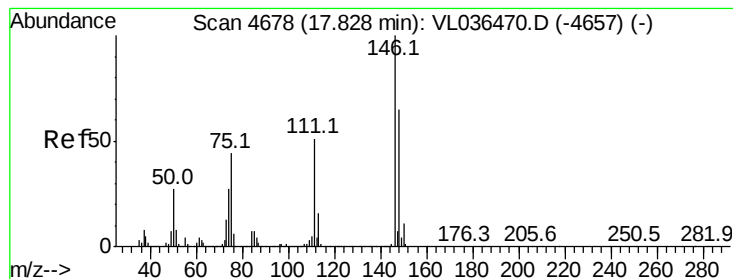


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.546 ppbv

RT: 17.84 min Scan# 4683

Delta R.T. 0.02 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

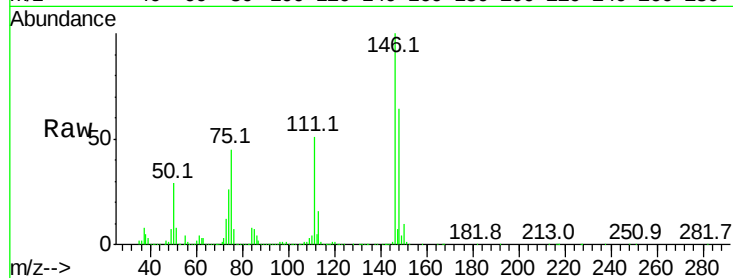
Tgt Ion:146 Resp: 2483667

Ion Ratio Lower Upper

146 100

111 50.6 25.5 76.5

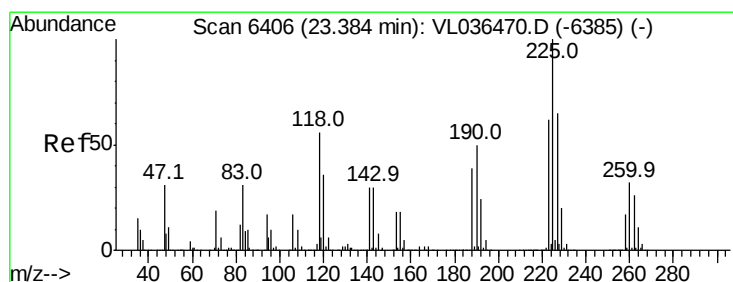
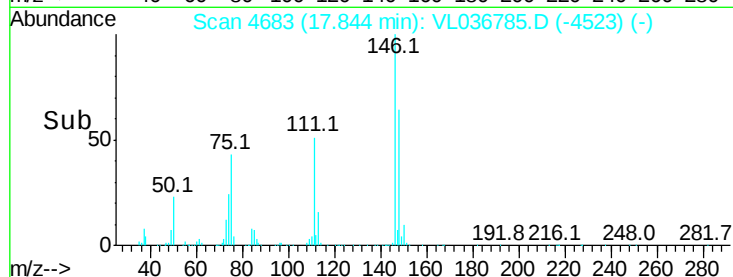
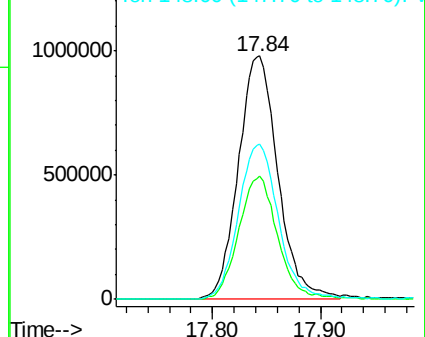
148 65.6 32.9 98.6



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: 6.850 ppbv

RT: 23.40 min Scan# 6412

Delta R.T. 0.02 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

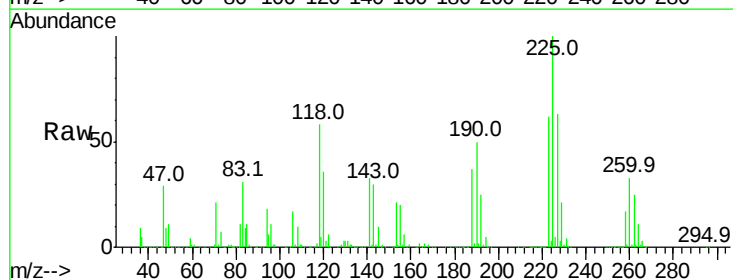
Tgt Ion:225 Resp: 1782828

Ion Ratio Lower Upper

225 100

223 64.4 50.6 75.8

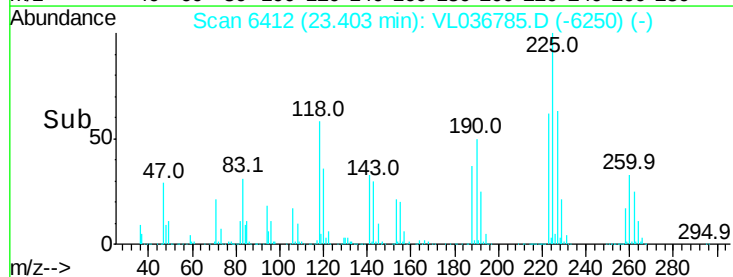
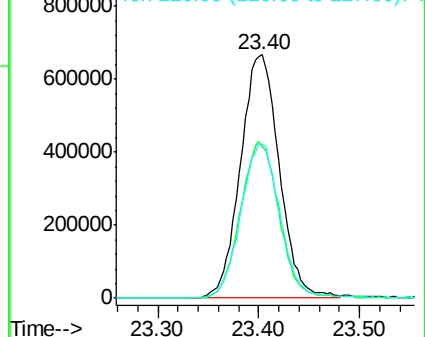
227 64.6 52.2 78.2

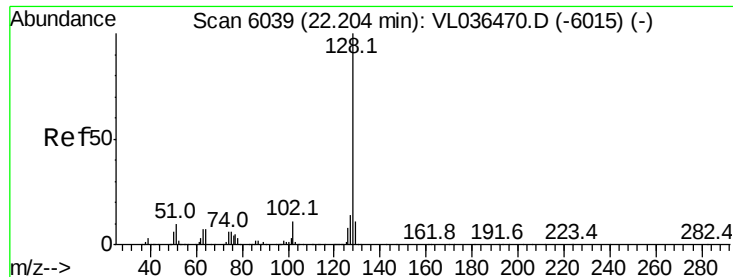


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

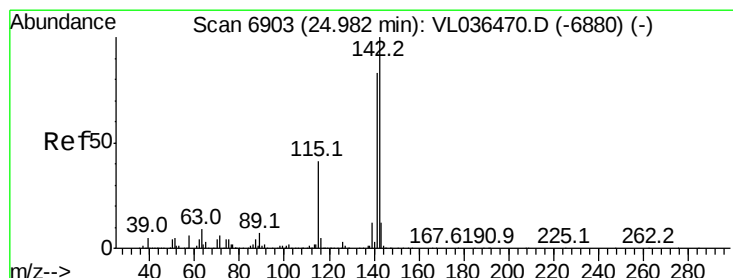
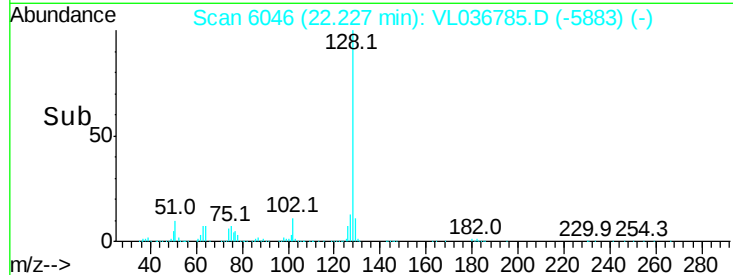
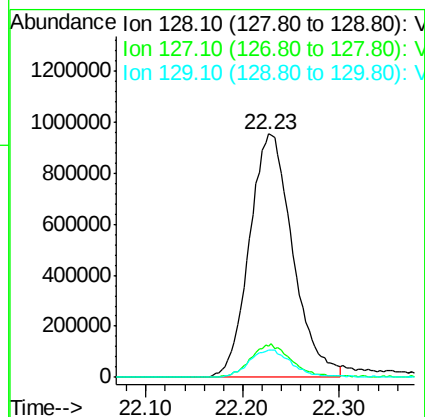
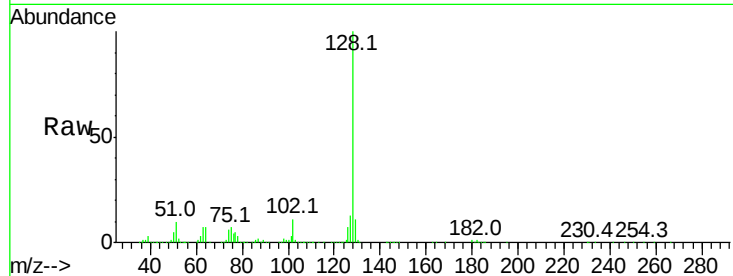




#79
Naphthalene
Concen: 9.252 ppbv
RT: 22.23 min Scan# 6046
Delta R.T. 0.02 min
Lab File: VL036785.D
Acq: 12 Apr 2021 9:26

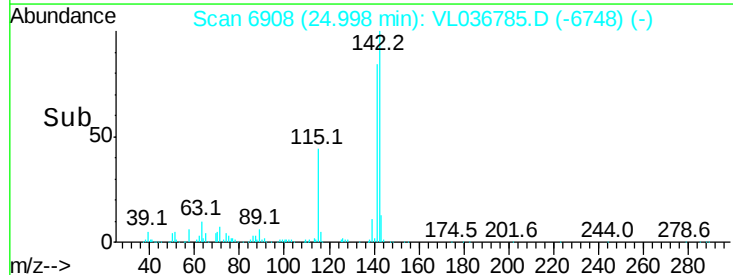
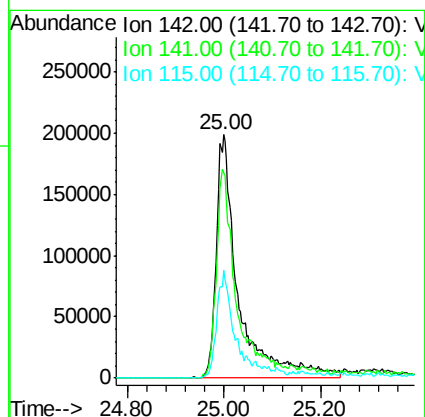
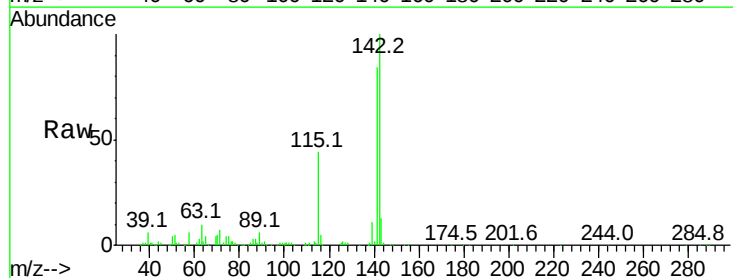
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

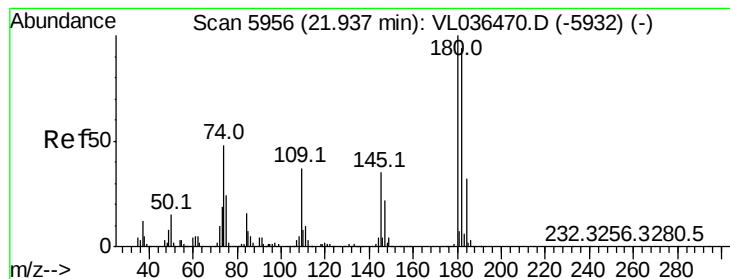
Tgt Ion:128 Resp: 2965330
Ion Ratio Lower Upper
128 100
127 12.7 10.9 16.3
129 11.0 9.0 13.4



#80
Naphthalene, 2-methyl-
Concen: 10.071 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. 0.02 min
Lab File: VL036785.D
Acq: 12 Apr 2021 9:26

Tgt Ion:142 Resp: 636550
Ion Ratio Lower Upper
142 100
141 77.8 67.8 101.8
115 38.7 34.0 51.0





#81

1,2,4-Trichlorobenzene

Concen: 8.707 ppbv

RT: 21.96 min Scan# 5963

Delta R.T. 0.02 min

Lab File: VL036785.D

Acq: 12 Apr 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

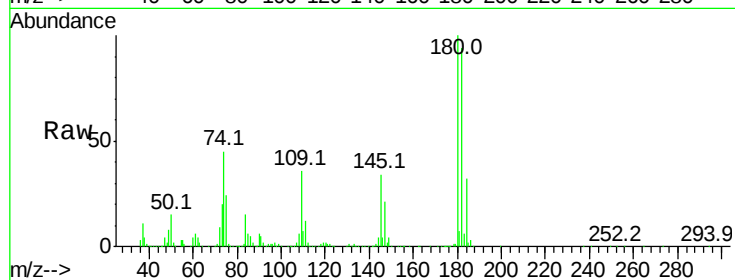
Tgt Ion:180 Resp: 1722987

Ion Ratio Lower Upper

180 100

182 99.3 80.8 121.2

184 32.0 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

