

Data File : VL035653.D
Acq On : 17 Sep 2020 9:25
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Sep 17 10:05:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1192109	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	5127647	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	6411695	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3703058	8.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1918720	9.288	ppbv	100
3) Chlorodifluoromethane	2.98	51	1286449	9.757	ppbv	99
4) Chloromethane	3.13	50	692073	9.798	ppbv	100
5) Vinyl Chloride	3.25	62	846688	9.722	ppbv	99
6) Bromomethane	3.47	94	729923	9.979	ppbv	99
7) Chloroethane	3.55	64	325380	10.568	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2373667	9.487	ppbv	92
9) Propene	3.00	41	494133	9.722	ppbv	100
10) Heptane	8.13	43	1347141	9.867	ppbv	98
11) Trichlorofluoromethane	3.95	101	2630274	8.730	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2036358	8.955	ppbv	91
13) Ethanol	3.60	45	119885	9.513	ppbv	98
14) Bromoethene	3.74	108	974569	9.957	ppbv	100
15) Acetone	3.85	43	1091696	8.303	ppbv	99
16) 1,3-Butadiene	3.32	39	493230	10.077	ppbv	95
17) tert-Butyl alcohol	4.29	59	1737020	10.854	ppbv	100
18) 1,1-Dichloroethene	4.29	96	987786	9.865	ppbv	97
19) Isopropyl Alcohol	3.96	45	836288	10.662	ppbv #	98
20) Methylene Chloride	4.34	84	805368	8.224	ppbv	98
21) Allyl Chloride	4.41	41	691428	11.225	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	1015609	9.527	ppbv	92
23) Vinyl Acetate	5.08	43	1732548	10.267	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1720037	9.904	ppbv	99
25) Ethyl Acetate	5.68	43	2228216	9.593	ppbv	99
26) Hexane	5.69	57	1301839	9.892	ppbv	97
27) Carbon Disulfide	4.55	76	2147897	11.373	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2452177	10.691	ppbv	100
29) Chloroform	5.75	83	2619256	9.768	ppbv	100
30) Cyclohexane	7.14	84	1511710	10.722	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1418314	10.504	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2602844	10.006	ppbv	100
34) 2-Butanone	5.25	43	1527902	10.041	ppbv	98
35) Carbon Tetrachloride	7.02	117	2643393	10.257	ppbv	98
36) Benzene	6.90	78	3453738	10.405	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1614172	10.200	ppbv	100
38) Trichloroethene	7.84	130	1729701	8.971	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1146090	10.221	ppbv	98
40) 1,4-Dioxane	7.84	88	625212	11.162	ppbv	99
41) Tetrahydrofuran	6.05	42	886895	10.991	ppbv	97
42) Bromodichloromethane	7.80	83	2768083	10.817	ppbv	99
43) Methyl Methacrylate	8.02	69	1427429	11.122	ppbv	97

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4347384	9.954	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1639375	12.609	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1943522	12.039	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	1674971	10.124	ppbv	96
48) Dibromochloromethane	10.32	129	2784942	10.695	ppbv	100
49) Bromoform	13.06	173	2481243	10.514	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2238683	10.160	ppbv	98
51) 2-Hexanone	10.14	43	1875517	10.376	ppbv #	98
52) Tetrachloroethene	11.24	164	1681817	8.673	ppbv	95
53) Toluene	9.82	91	4322901	10.357	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2648271	10.130	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	2170836	8.321	ppbv	99
57) Chlorobenzene	12.16	112	3648693	7.732	ppbv	97
58) Ethyl Benzene	12.73	91	5578349	8.437	ppbv	99
59) m/p-Xylene	13.01	91	4536371	8.211	ppbv #	28
60) o-Xylene	13.71	91	4527459	8.137	ppbv	100
61) Styrene	13.55	104	3750103	8.812	ppbv	100
62) Isopropylbenzene	14.69	105	6912682	7.734	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3260551	7.558	ppbv	99
64) n-propylbenzene	15.58	120	2190061	8.029	ppbv	96
65) tert-Butylbenzene	16.77	119	6400572	7.703	ppbv	98
66) Benzyl Chloride	17.01	91	2263441	10.961	ppbv	98
67) sec-Butylbenzene	17.32	105	8391423	7.580	ppbv	98
69) p-Isopropyltoluene	17.67	119	7230098	7.446	ppbv	99
70) n-Butylbenzene	18.57	91	7000959	7.485	ppbv	99
71) 2-Chlorotoluene	15.47	91	5295267	8.135	ppbv	99
72) 4-Ethyltoluene	15.86	105	5666163	8.010	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	5276639	8.065	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	5387274	7.498	ppbv	96
75) 1,3-Dichlorobenzene	17.02	146	3719324	6.988	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3747871	7.140	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	3685636	7.148	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1934850	5.877	ppbv	100
79) Naphthalene	22.23	128	5896537	7.396	ppbv	98
80) Naphthalene,2-methyl-	24.99	142	1756135	6.453	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	3098997	6.491	ppbv	100

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

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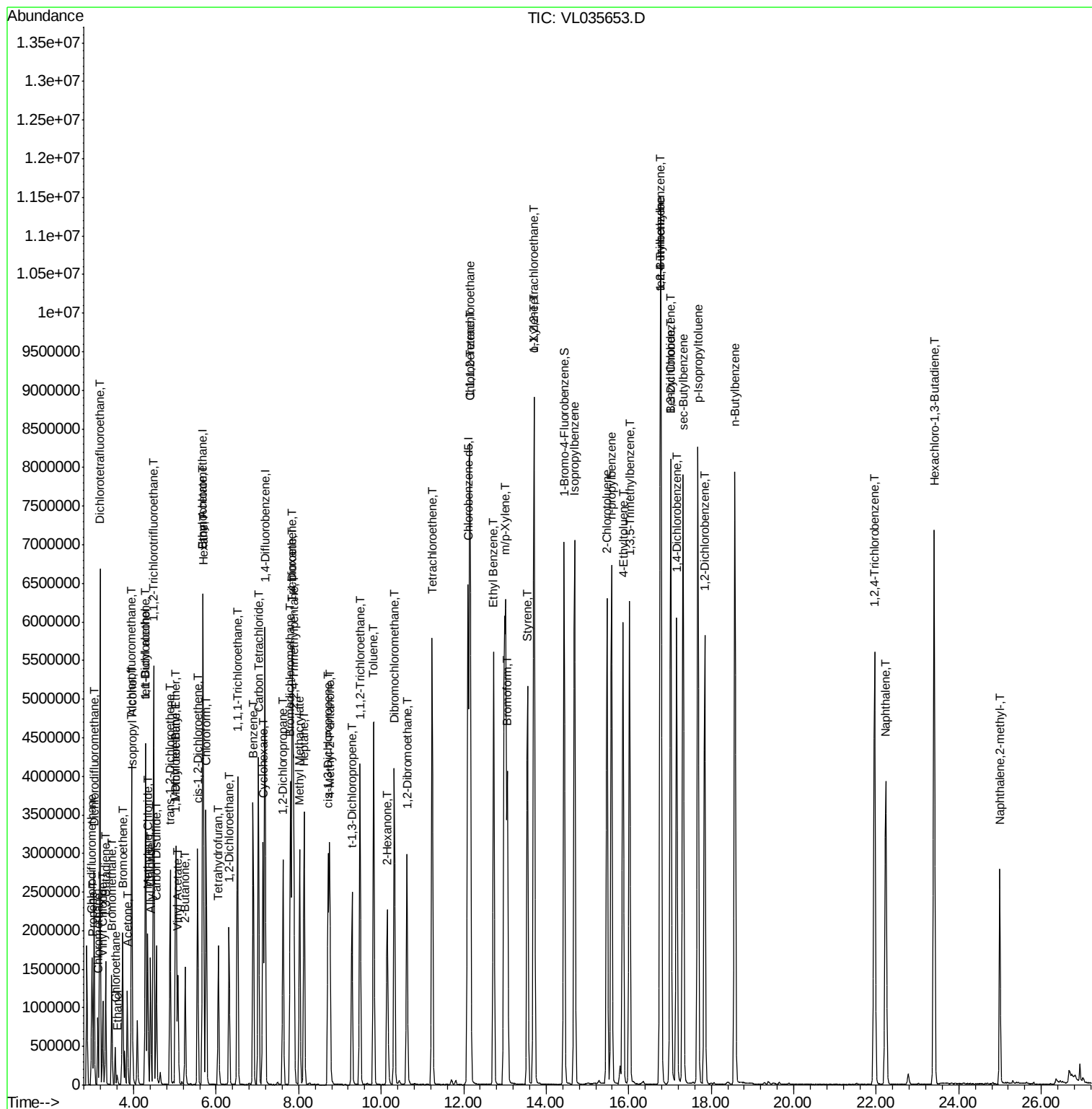
Quant Time: Sep 17 10:05:07 2020

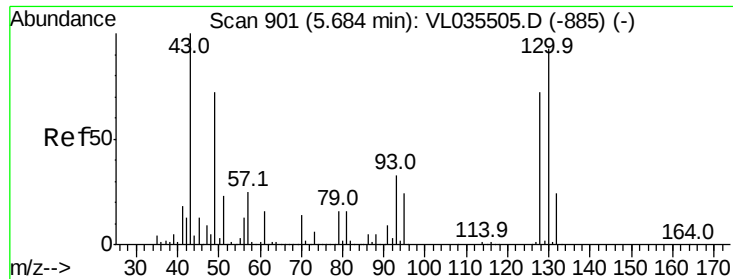
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL082720AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

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ClientSampleId :

VSTDCCC010EC

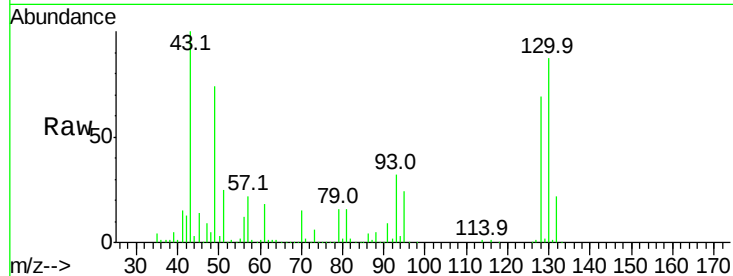
Tgt Ion: 49 Resp: 1192109

Ion Ratio Lower Upper

49 100

128 93.0 50.0 150.1

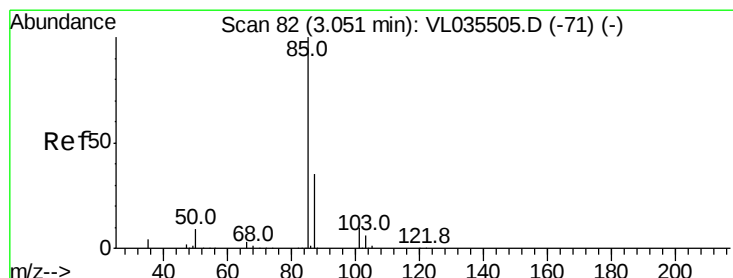
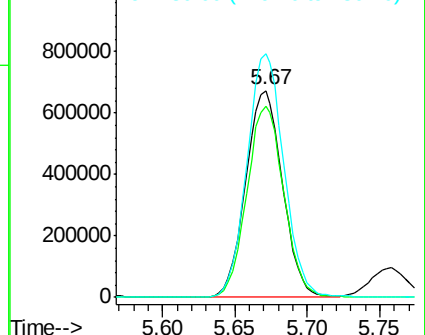
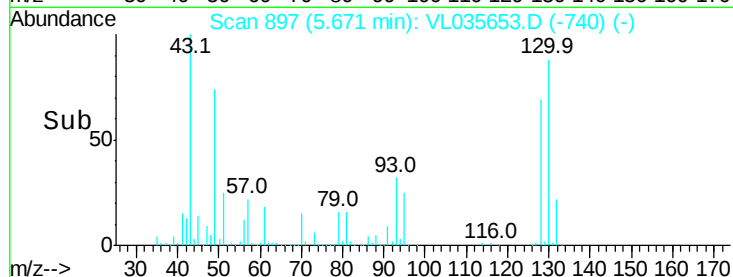
130 118.6 64.4 193.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.288 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.01 min

Lab File: VL035653.D

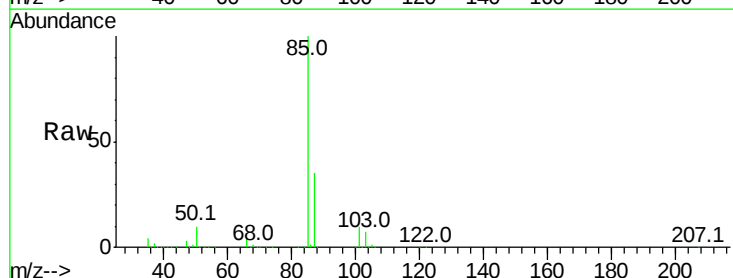
Acq: 17 Sep 2020 9:25

Tgt Ion: 85 Resp: 1918720

Ion Ratio Lower Upper

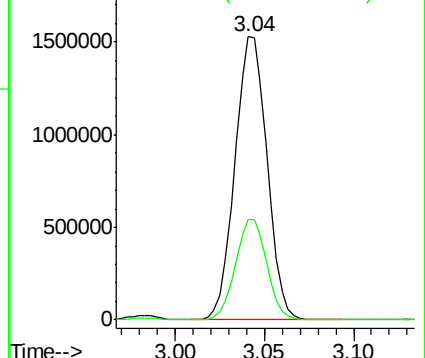
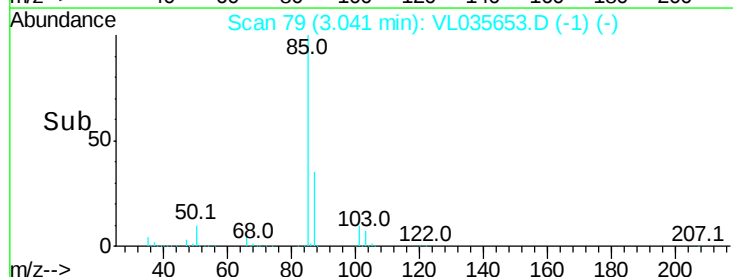
85 100

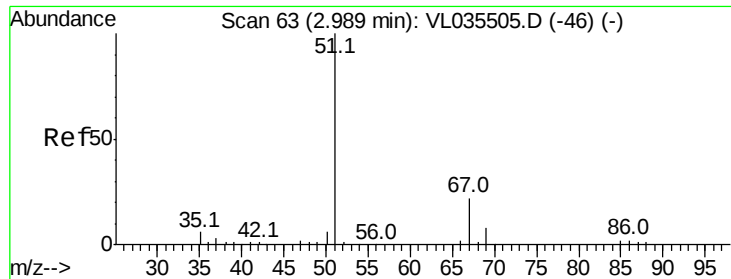
87 35.3 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.757 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

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ClientSampleId :

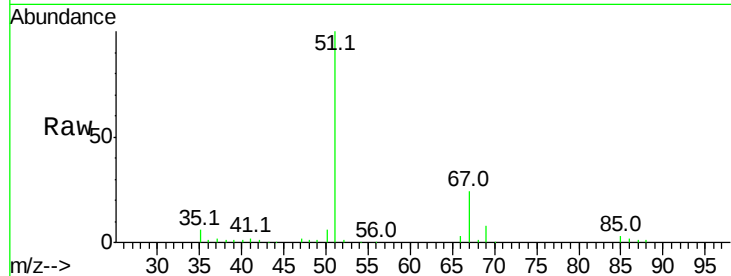
VSTDCCC010EC

Tgt Ion: 51 Resp: 1286449

Ion Ratio Lower Upper

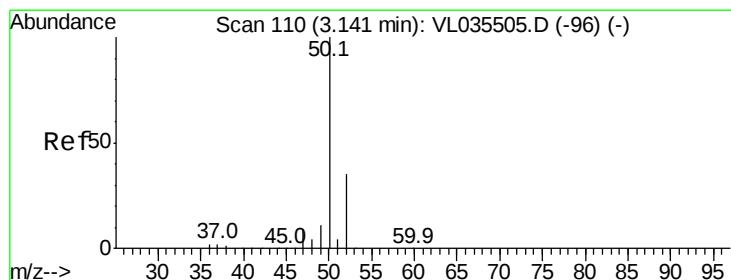
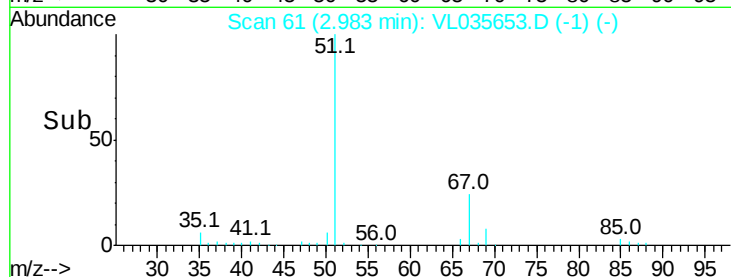
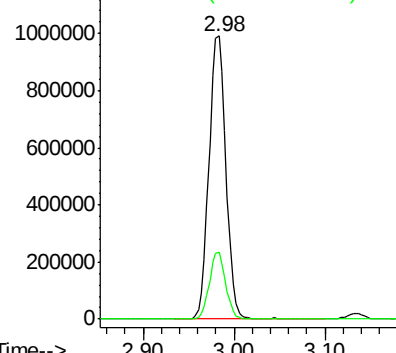
51 100

67 22.8 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.798 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL035653.D

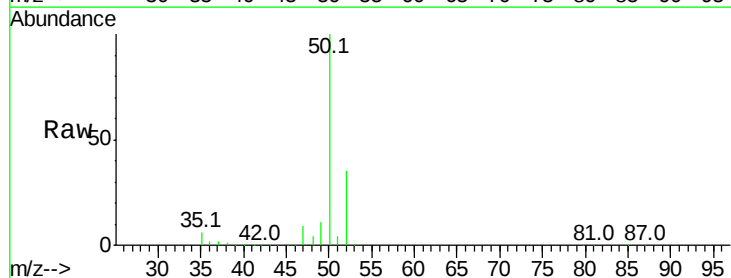
Acq: 17 Sep 2020 9:25

Tgt Ion: 50 Resp: 692073

Ion Ratio Lower Upper

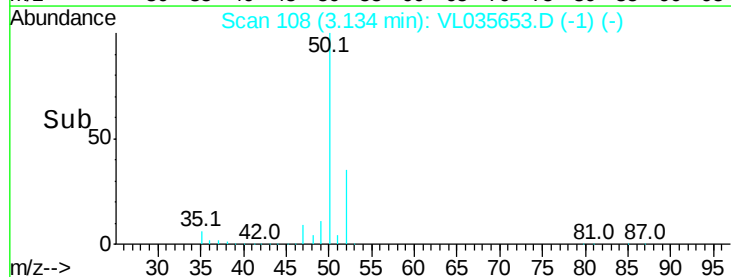
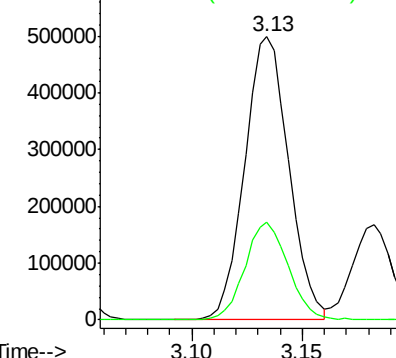
50 100

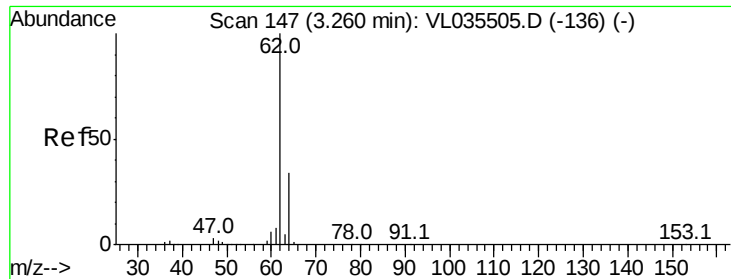
52 34.7 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.722 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

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ClientSampleId :

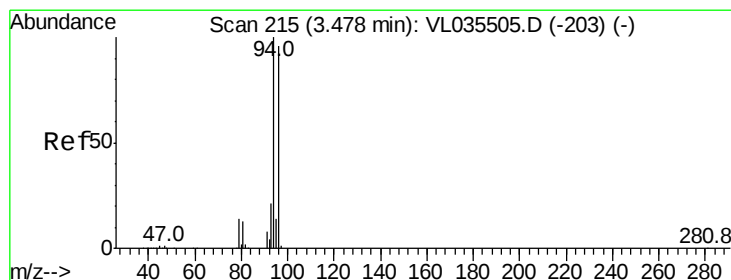
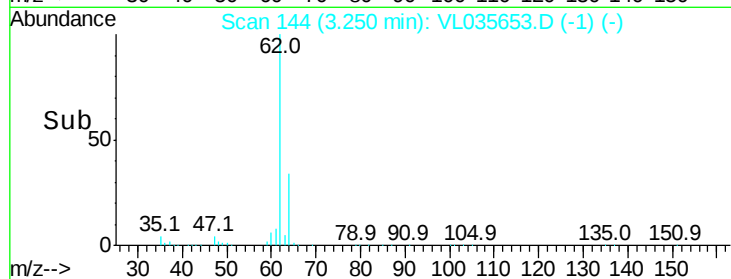
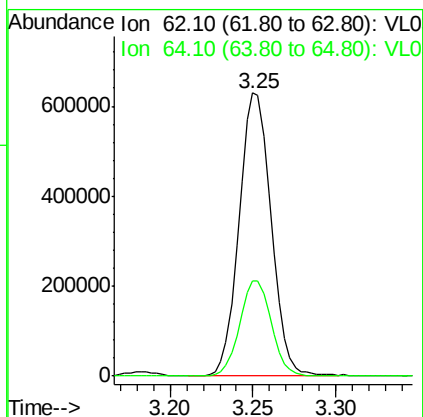
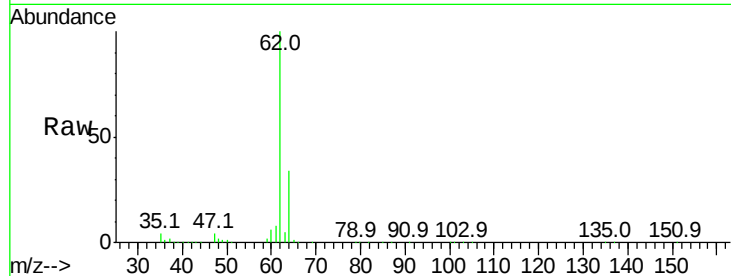
VSTDCCC010EC

Tgt Ion: 62 Resp: 846688

Ion Ratio Lower Upper

62 100

64 33.7 27.4 41.2



#6

Bromomethane

Concen: 9.979 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.01 min

Lab File: VL035653.D

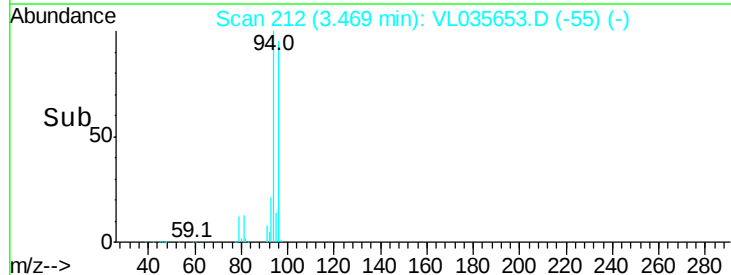
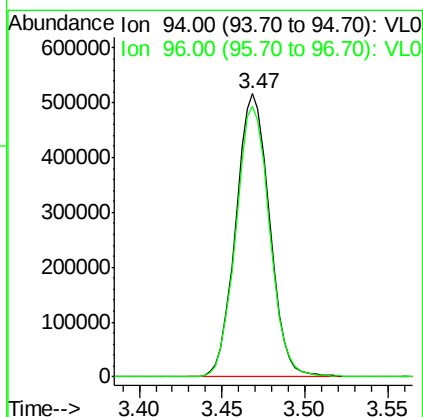
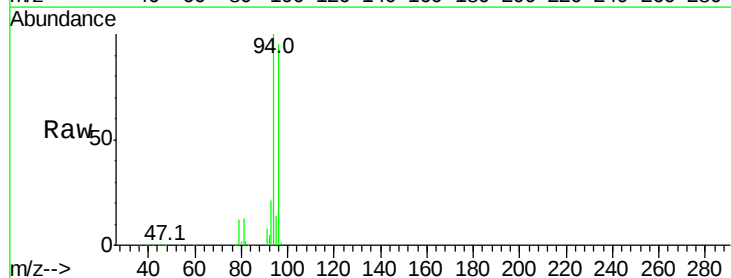
Acq: 17 Sep 2020 9:25

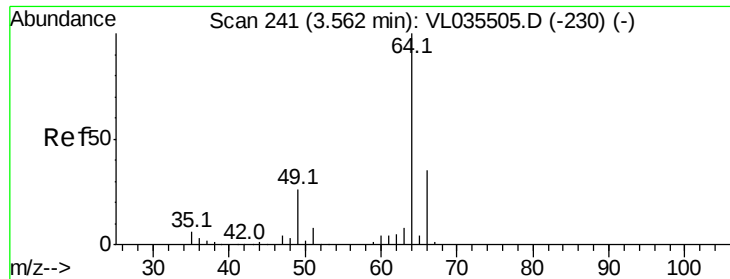
Tgt Ion: 94 Resp: 729923

Ion Ratio Lower Upper

94 100

96 95.4 77.1 115.7





#7

Chloroethane

Concen: 10.568 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

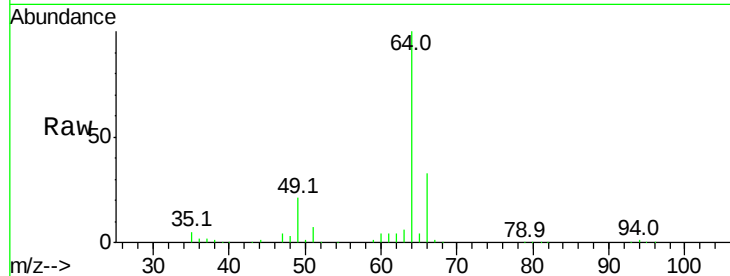
VSTDCCC010EC

Tgt Ion: 64 Resp: 325380

Ion Ratio Lower Upper

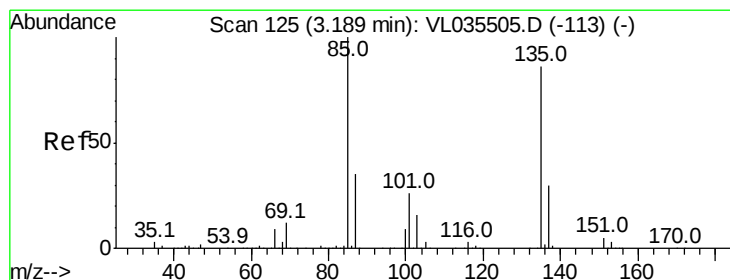
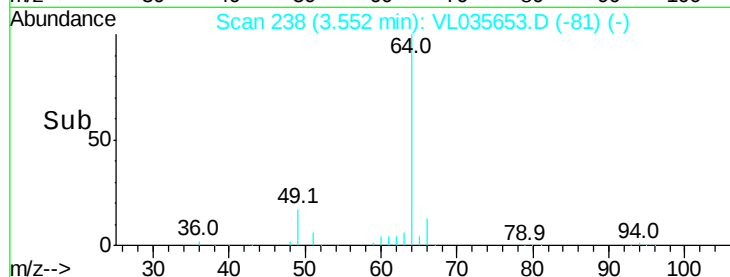
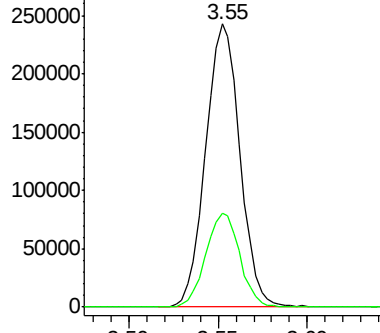
64 100

66 33.0 27.7 41.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.487 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL035653.D

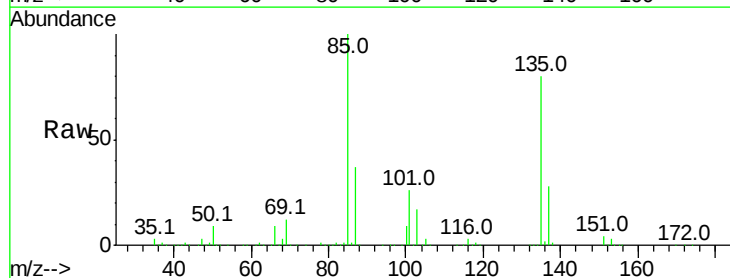
Acq: 17 Sep 2020 9:25

Tgt Ion: 85 Resp: 2373667

Ion Ratio Lower Upper

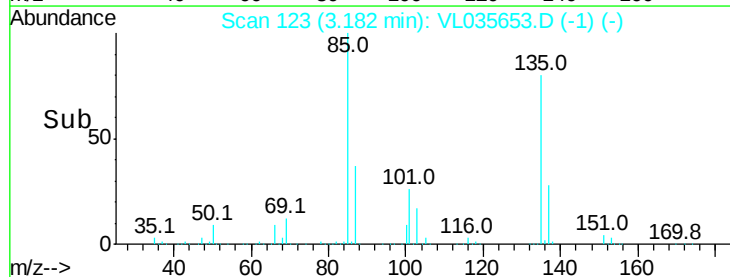
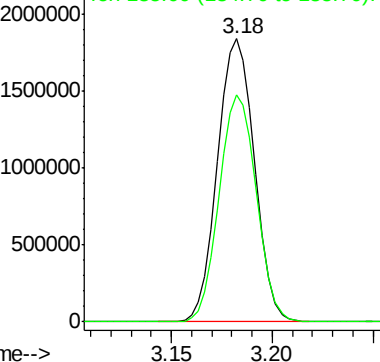
85 100

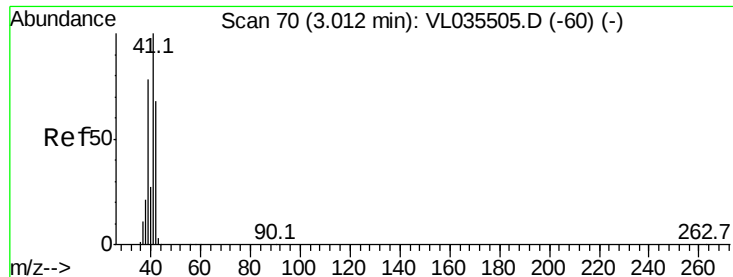
135 80.9 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.722 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

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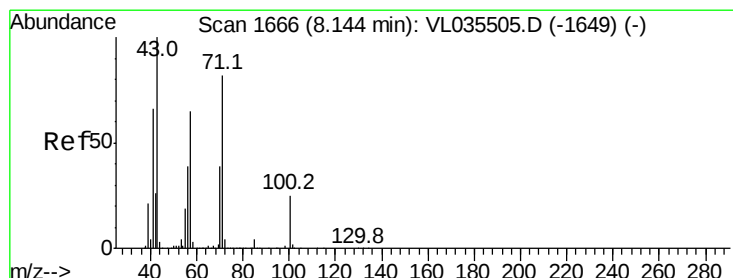
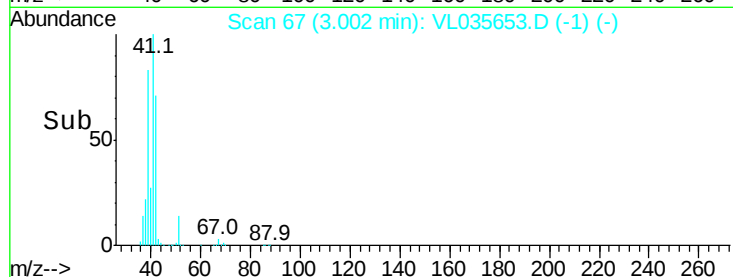
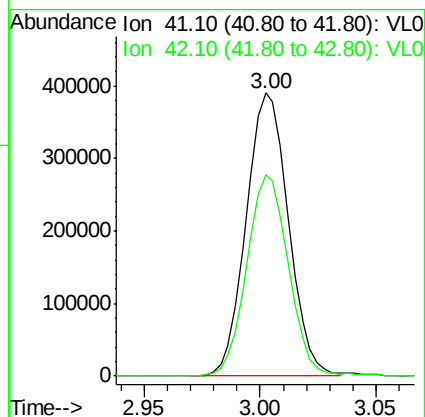
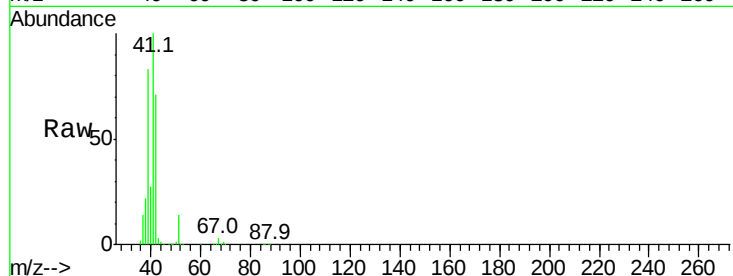
VSTDCCC010EC

Tgt Ion: 41 Resp: 494133

Ion Ratio Lower Upper

41 100

42 70.7 56.3 84.5



#10

Heptane

Concen: 9.867 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL035653.D

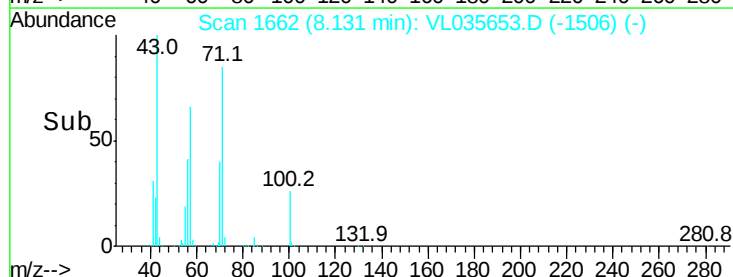
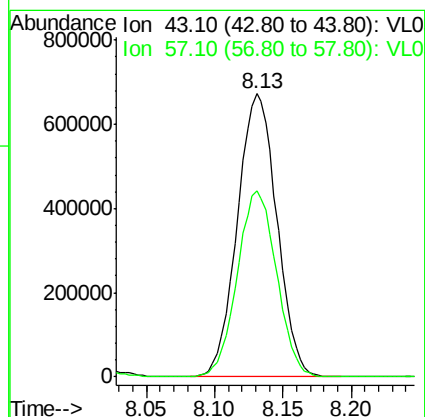
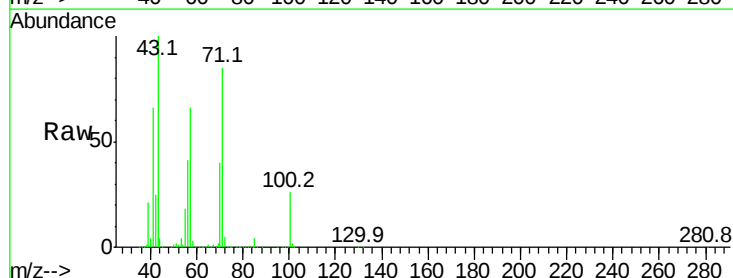
Acq: 17 Sep 2020 9:25

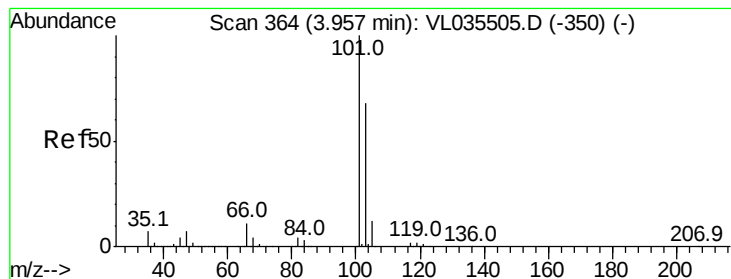
Tgt Ion: 43 Resp: 1347141

Ion Ratio Lower Upper

43 100

57 65.7 51.4 77.0





#11

Trichlorofluoromethane

Concen: 8.730 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

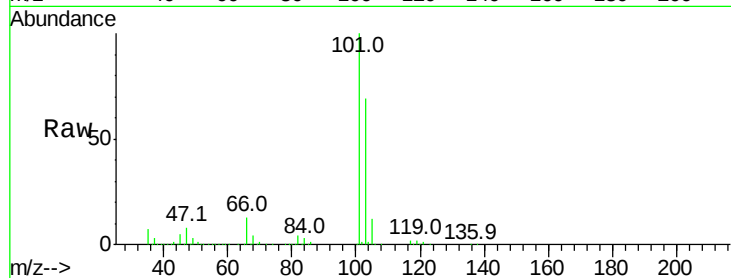
VSTDCCC010EC

Tgt Ion:101 Resp: 2630274

Ion Ratio Lower Upper

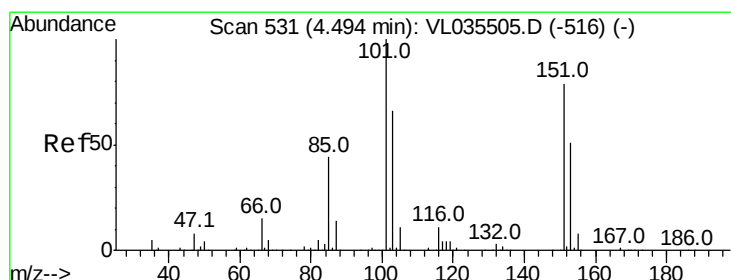
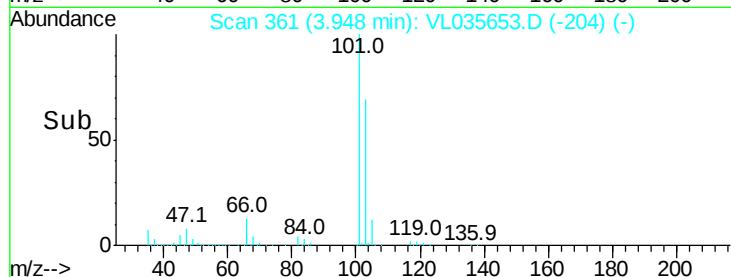
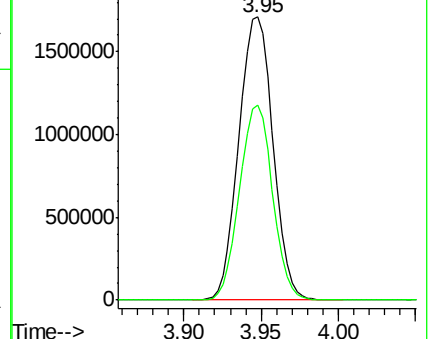
101 100

103 68.9 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.955 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.01 min

Lab File: VL035653.D

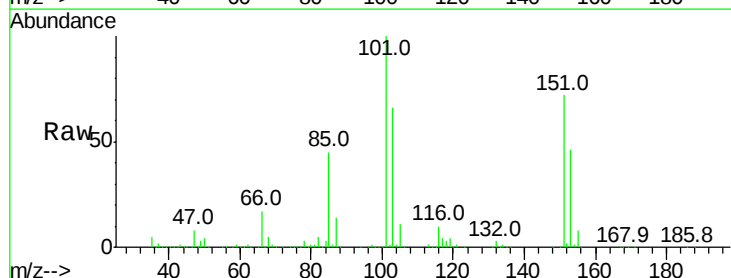
Acq: 17 Sep 2020 9:25

Tgt Ion:101 Resp: 2036358

Ion Ratio Lower Upper

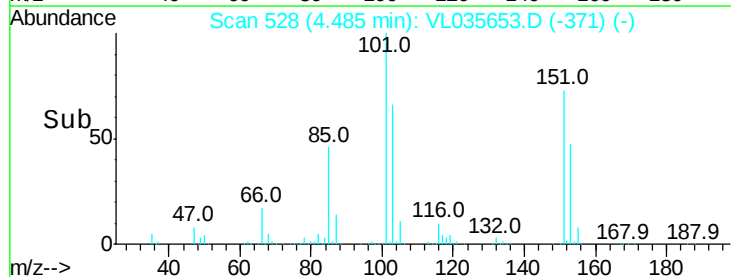
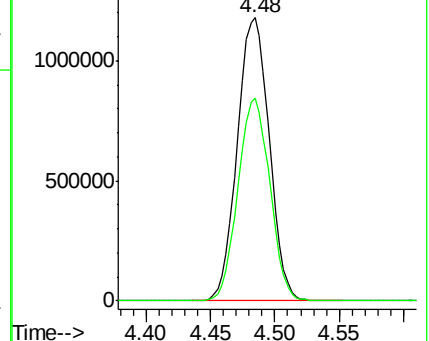
101 100

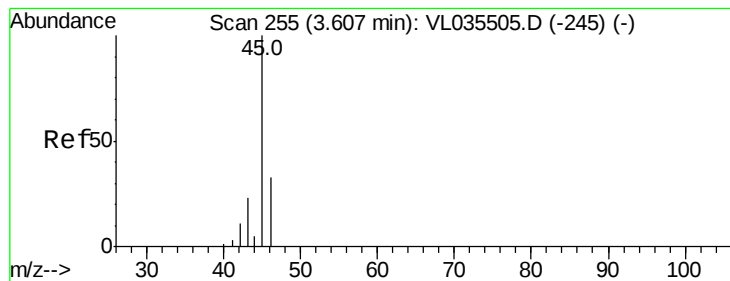
151 71.4 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.513 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

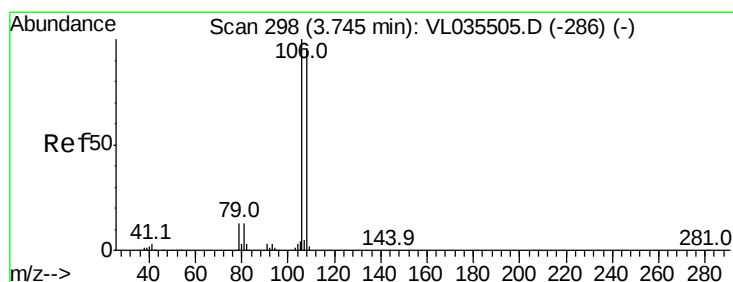
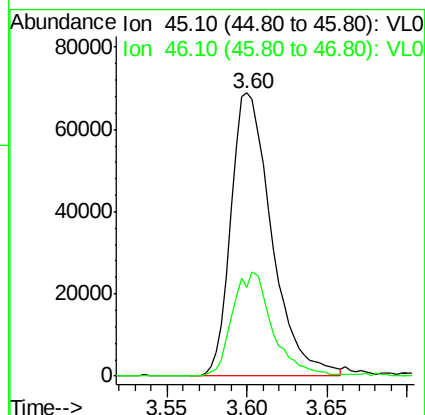
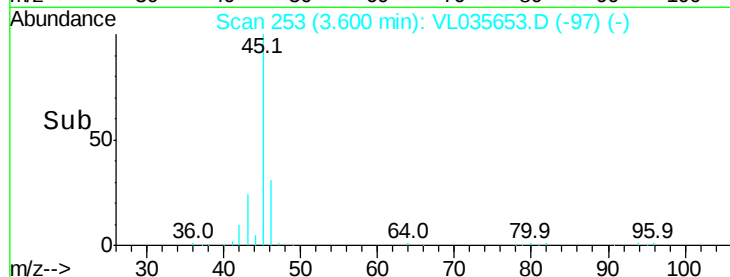
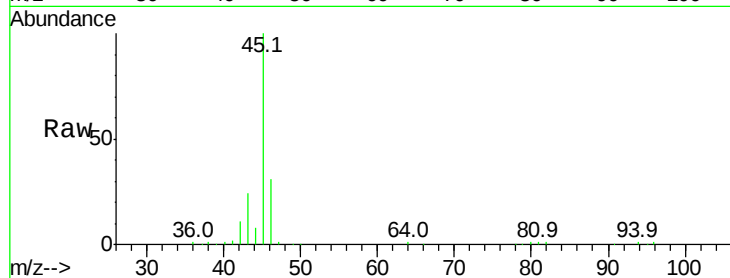
VSTDCCC010EC

Tgt Ion: 45 Resp: 119885

Ion Ratio Lower Upper

45 100

46 36.6 15.2 60.6



#14

Bromoethene

Concen: 9.957 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

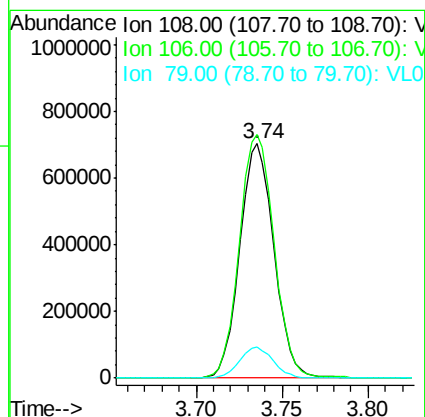
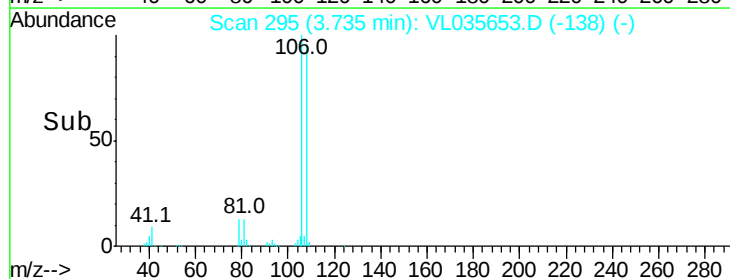
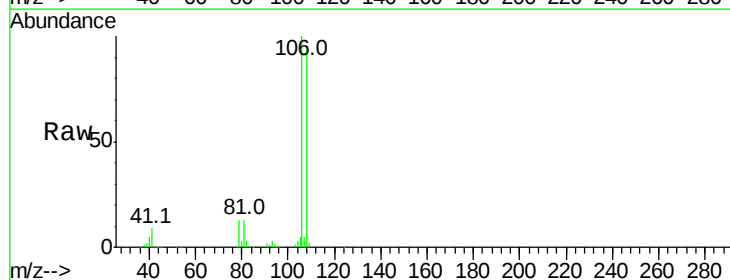
Tgt Ion: 108 Resp: 974569

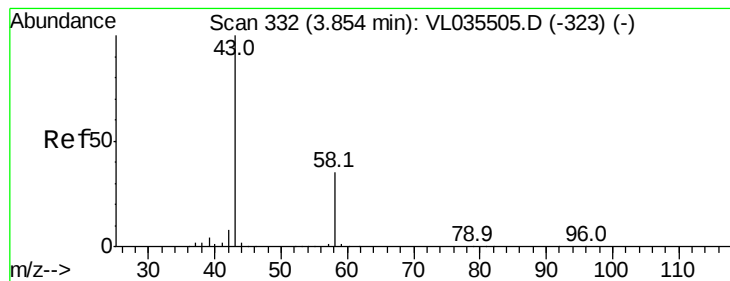
Ion Ratio Lower Upper

108 100

106 106.1 84.9 127.3

79 13.0 10.8 16.2





#15

Acetone

Concen: 8.303 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

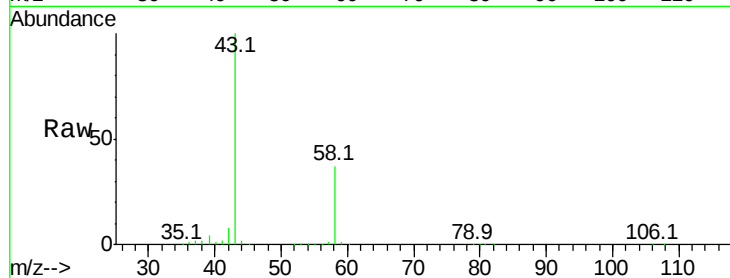
VSTDCCC010EC

Tgt Ion: 43 Resp: 1091696

Ion Ratio Lower Upper

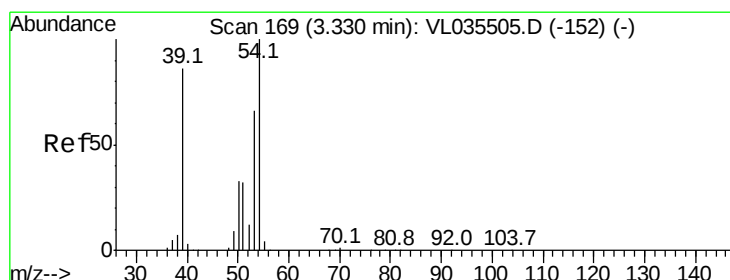
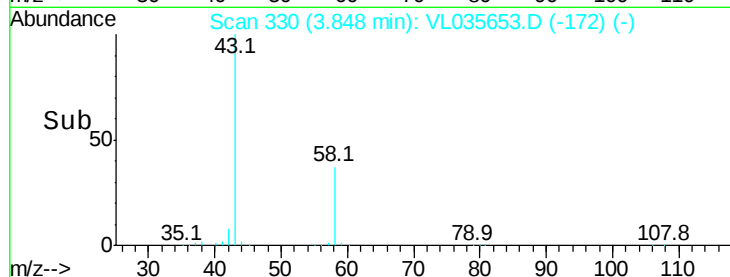
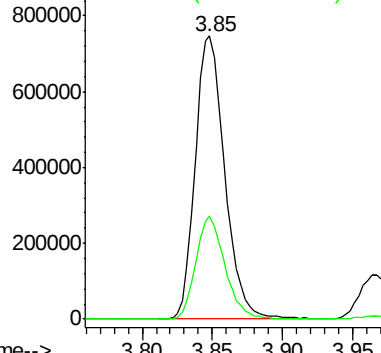
43 100

58 35.9 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.077 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL035653.D

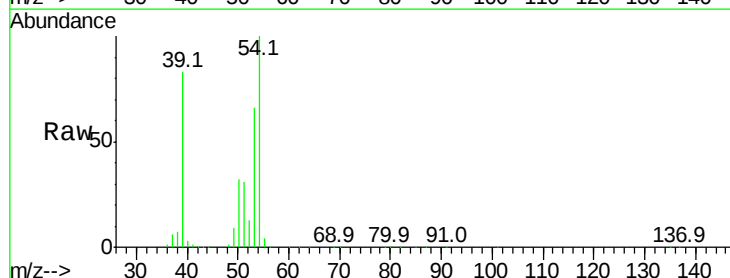
Acq: 17 Sep 2020 9:25

Tgt Ion: 39 Resp: 493230

Ion Ratio Lower Upper

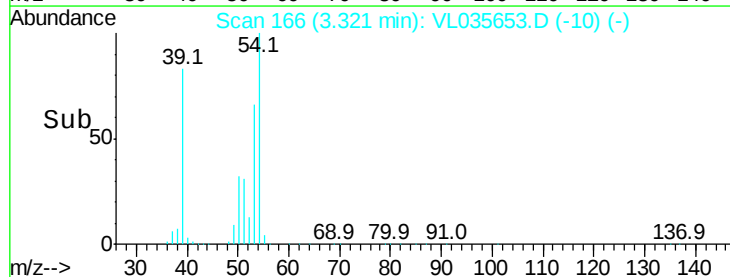
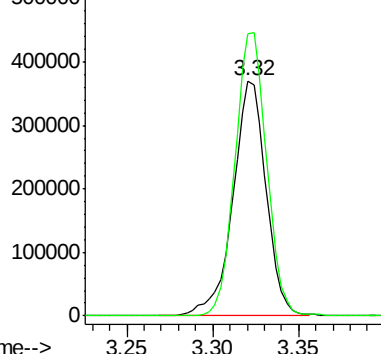
39 100

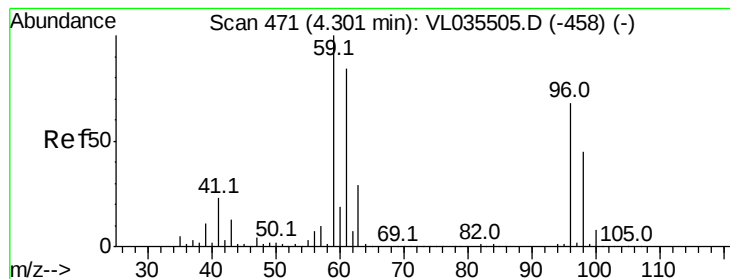
54 115.9 88.4 132.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.854 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

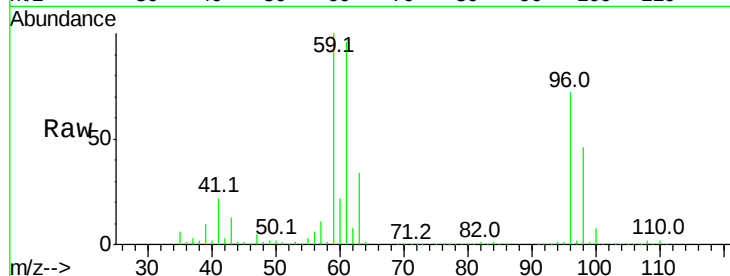
VSTDCCC010EC

Tgt Ion: 59 Resp: 1737020

Ion Ratio Lower Upper

59 100

57 10.3 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

800000

600000

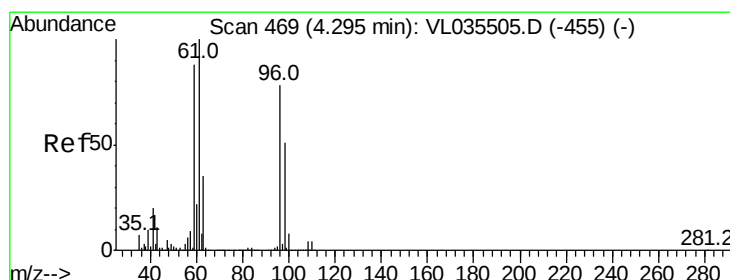
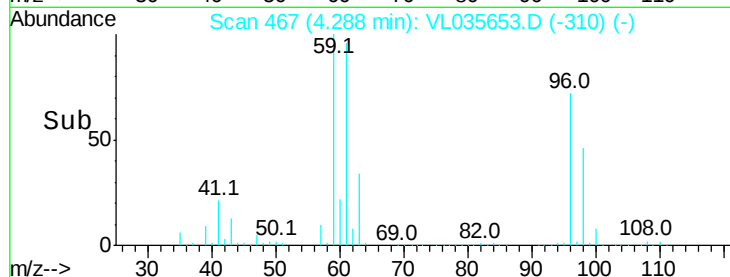
400000

200000

0

Time-->

4.20 4.30 4.40



#18

1,1-Dichloroethene

Concen: 9.865 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

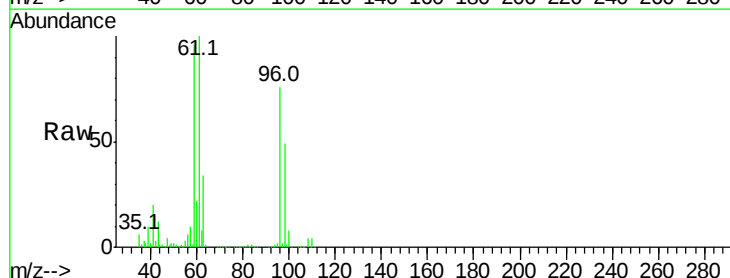
Tgt Ion: 96 Resp: 987786

Ion Ratio Lower Upper

96 100

61 132.1 103.0 154.6

98 64.5 52.8 79.2



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

1200000

1000000

800000

600000

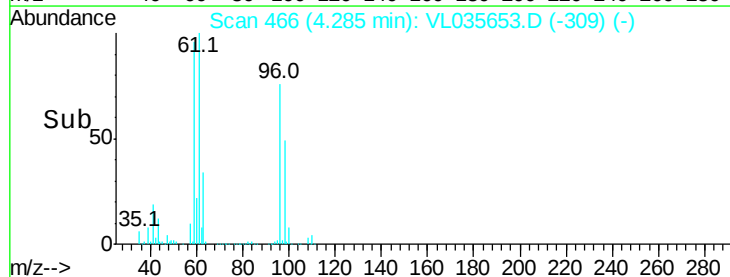
400000

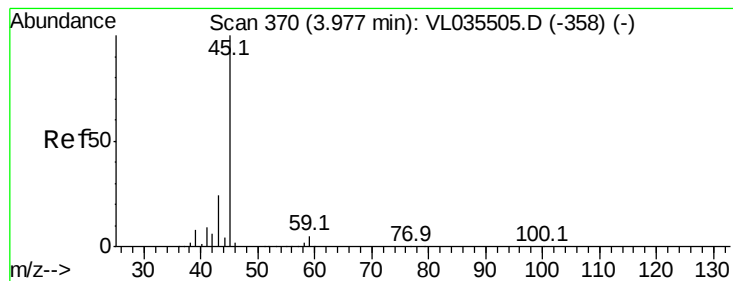
200000

0

Time-->

4.20 4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 10.662 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

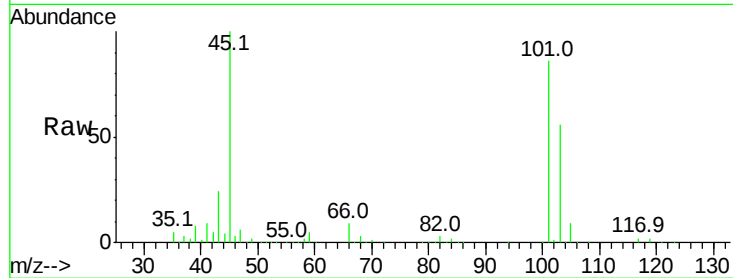
VSTDCCC010EC

Tgt Ion: 45 Resp: 836288

Ion Ratio Lower Upper

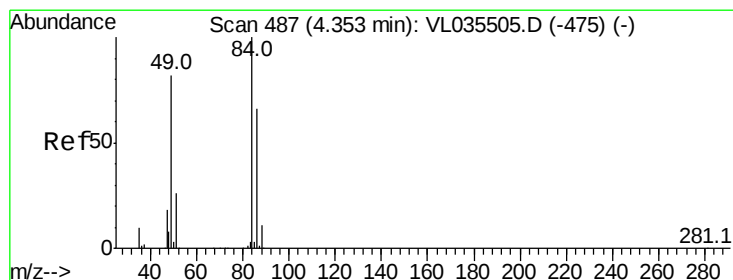
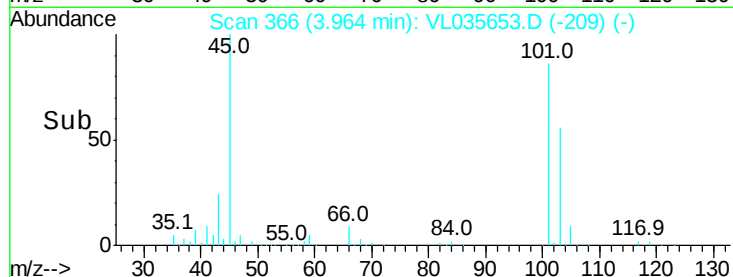
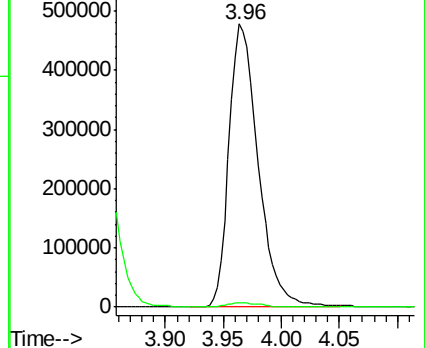
45 100

58 1.9 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.224 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Tgt Ion: 84 Resp: 805368

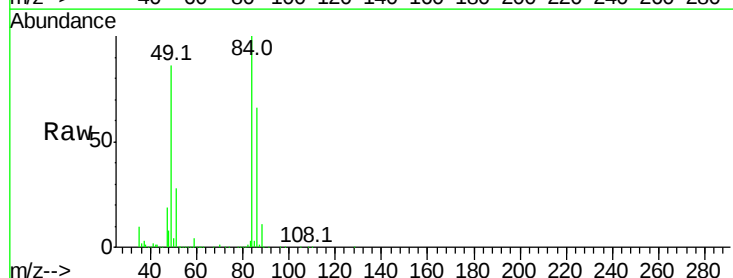
Ion Ratio Lower Upper

84 100

49 85.4 65.4 98.0

51 27.1 21.5 32.3

86 65.9 52.9 79.3

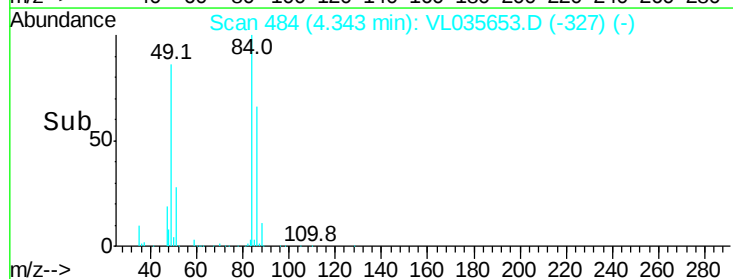
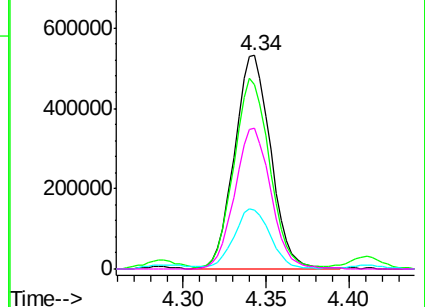


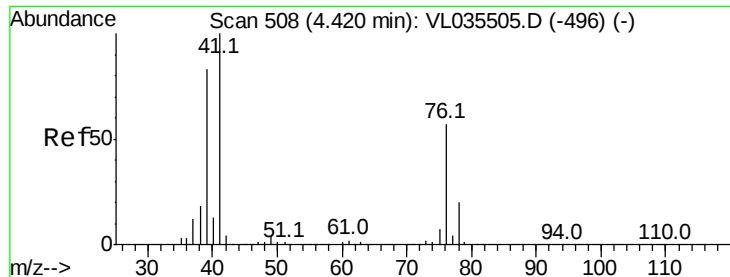
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allyl Chloride

Concen: 11.225 ppbv

RT: 4.41 min Scan# 505

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

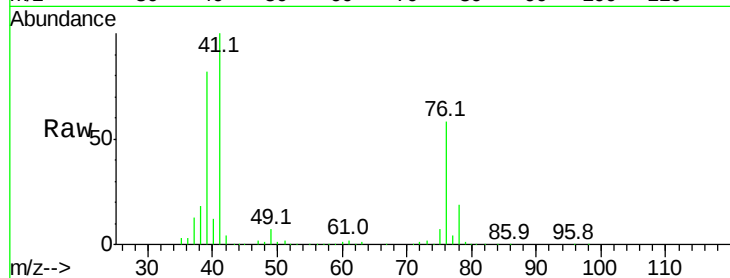
Tgt Ion: 41 Resp: 691428

Ion Ratio Lower Upper

41 100

76 58.7 46.2 69.2

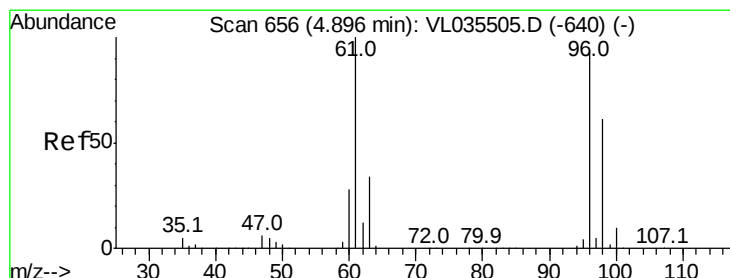
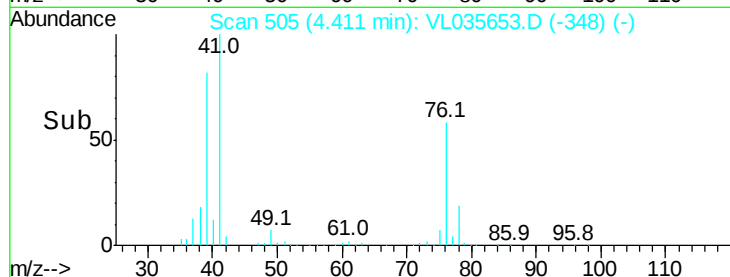
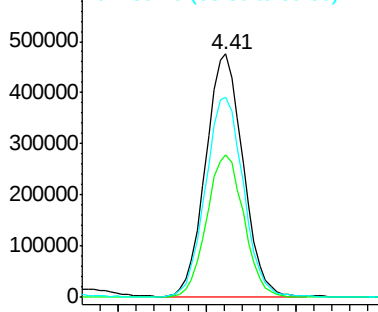
39 84.0 67.8 101.6



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: 9.527 ppbv

RT: 4.88 min Scan# 652

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

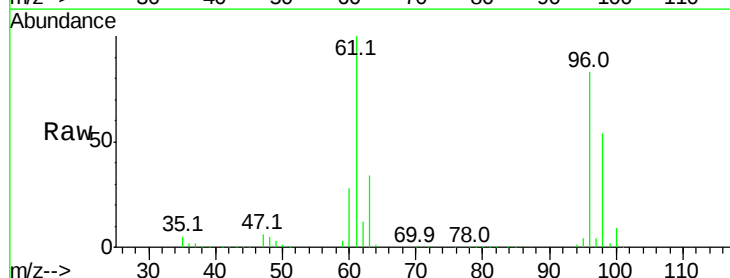
Tgt Ion: 96 Resp: 1015609

Ion Ratio Lower Upper

96 100

61 121.1 86.0 129.0

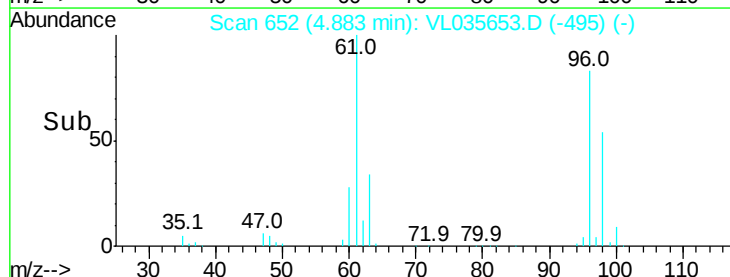
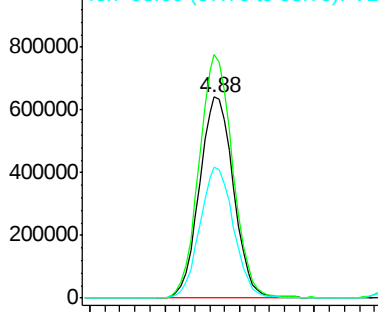
98 65.4 52.3 78.5

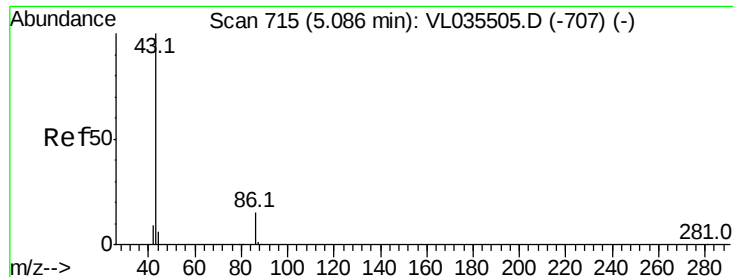


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.267 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1732548

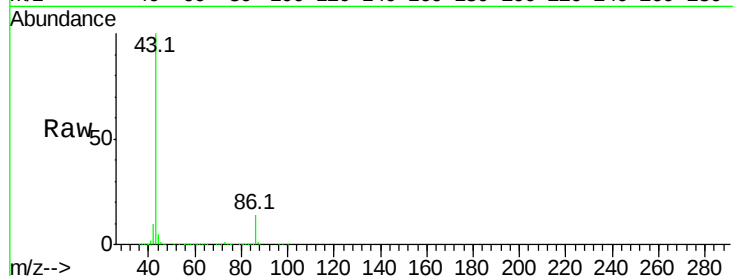
Ion Ratio Lower Upper

43 100

86 13.6 10.6 16.0

42 9.5 7.5 11.3

44 5.2 4.4 6.6

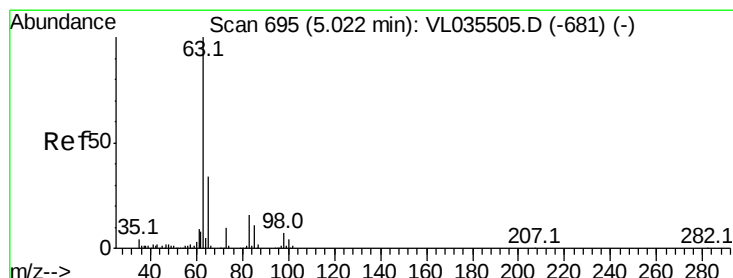
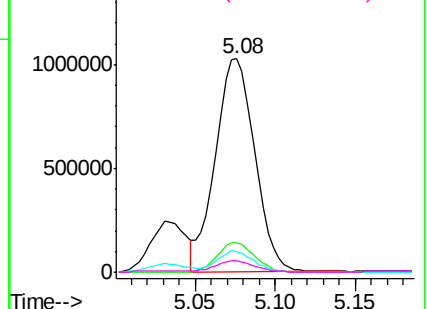
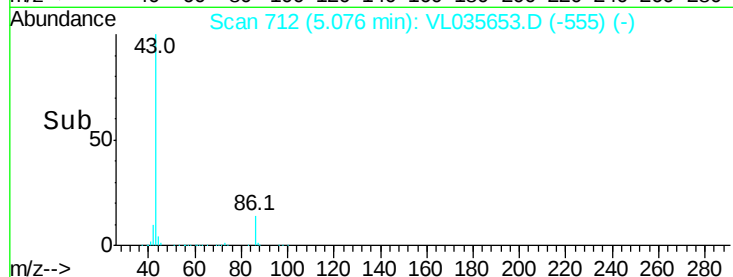


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.904 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

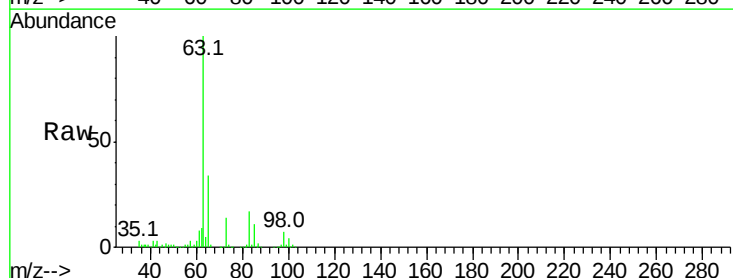
Tgt Ion: 63 Resp: 1720037

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

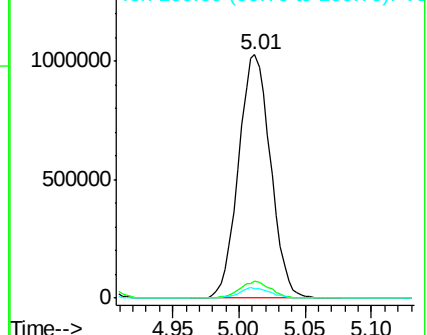
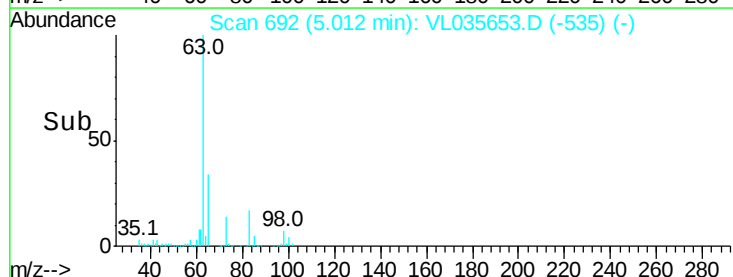
100 3.9 2.1 6.5

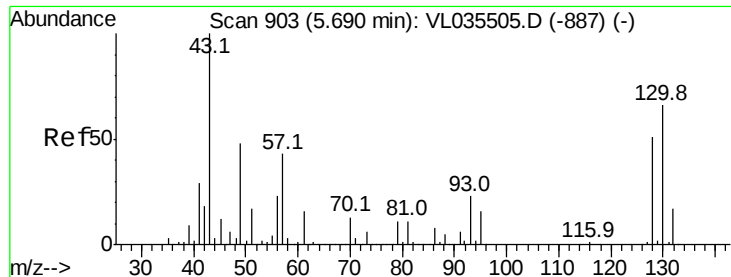


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

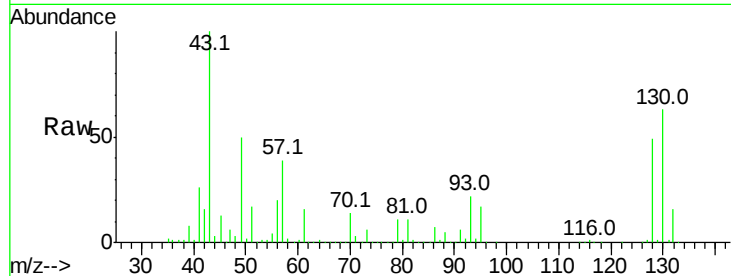




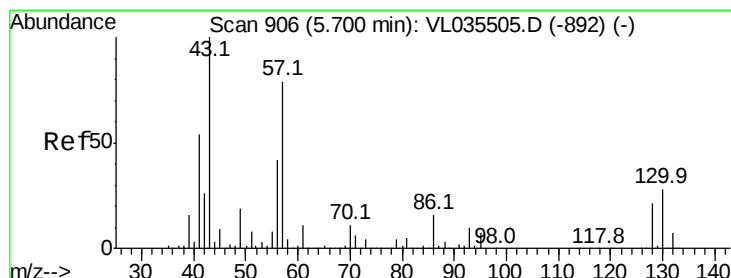
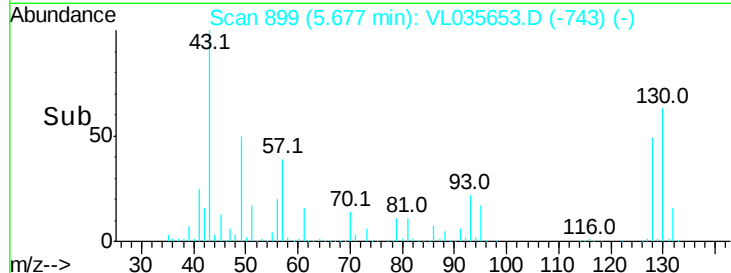
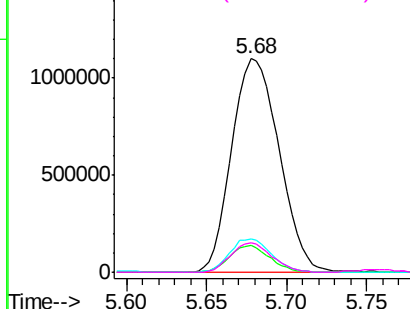
#25
Ethyl Acetate
Concen: 9.593 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2228216
Ion Ratio Lower Upper
43 100
45 10.8 8.4 12.6
61 13.7 10.6 16.0
70 12.1 9.4 14.2

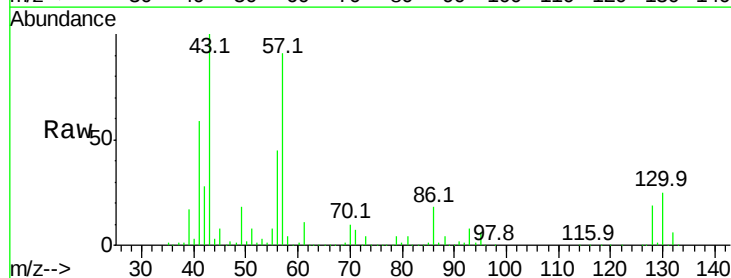


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

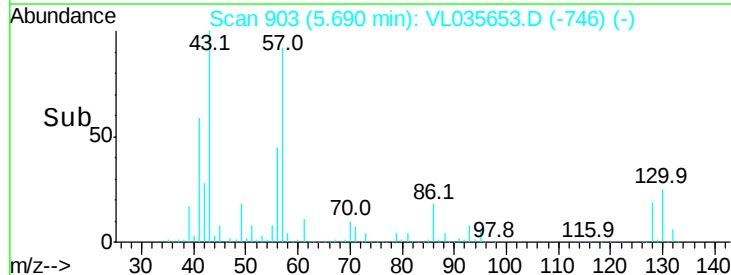
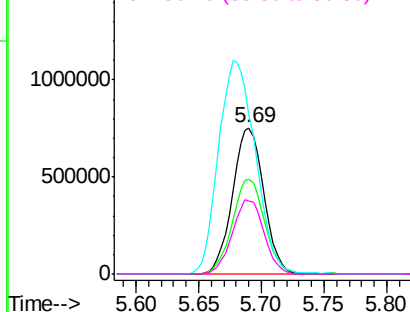


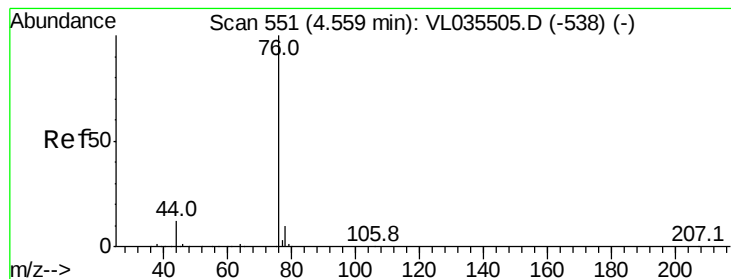
#26
Hexane
Concen: 9.892 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion: 57 Resp: 1301839
Ion Ratio Lower Upper
57 100
41 68.0 55.9 83.9
43 172.4 141.8 212.8
56 51.4 41.8 62.8



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





#27

Carbon Disulfide

Concen: 11.373 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

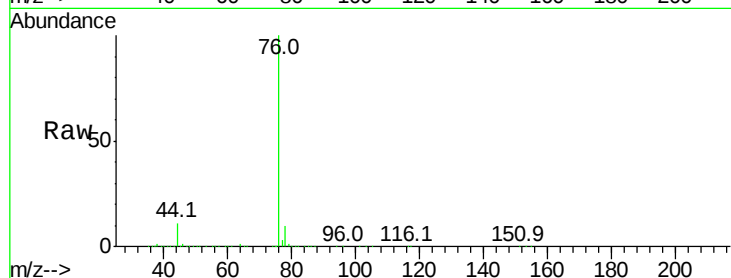
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 76 Resp: 2147897

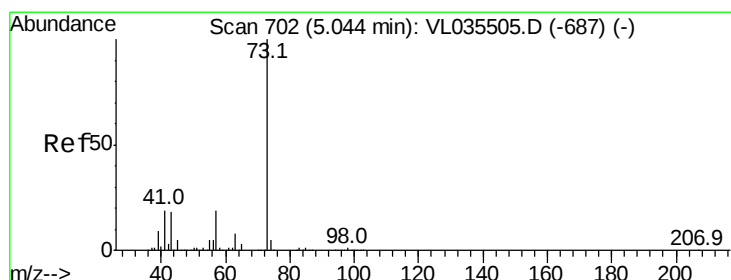
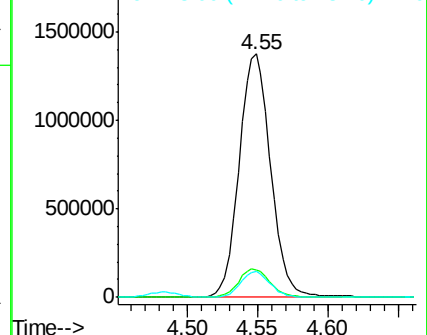
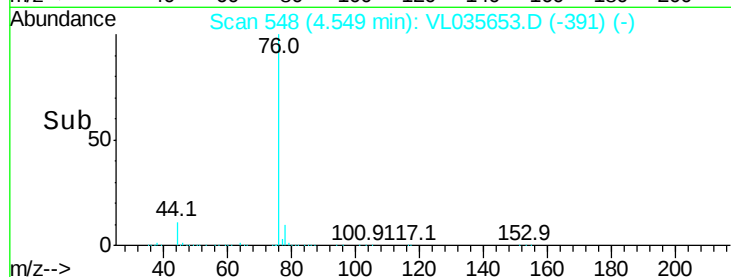
Ion	Ratio	Lower	Upper
76	100		
44	11.4	9.3	13.9
78	9.9	7.8	11.6



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: 10.691 ppbv

RT: 5.03 min Scan# 699

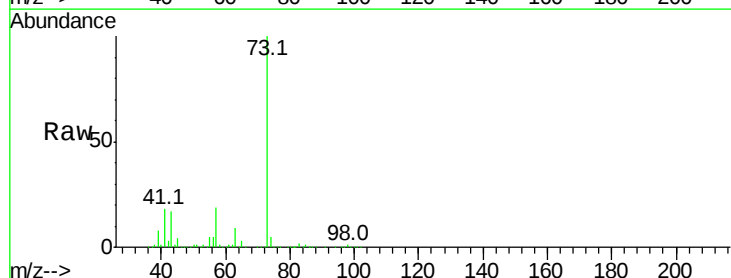
Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

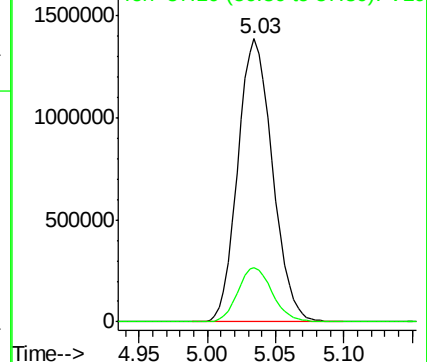
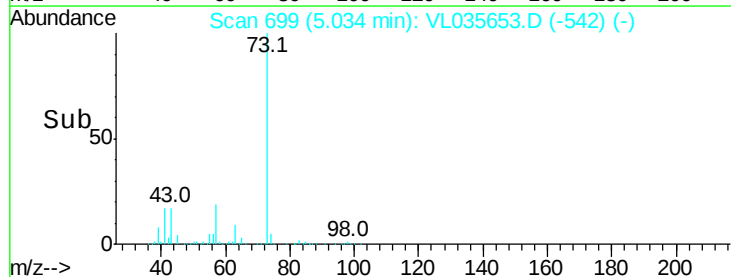
Tgt Ion: 73 Resp: 2452177

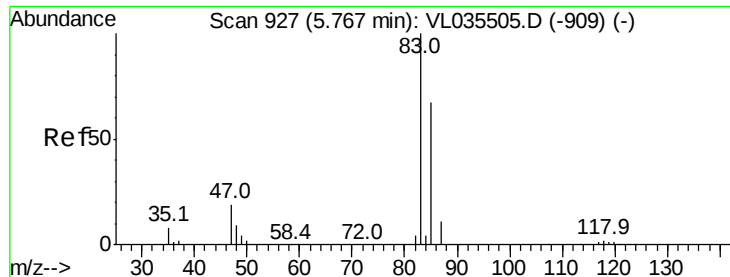
Ion	Ratio	Lower	Upper
73	100		
57	19.1	15.2	22.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.768 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

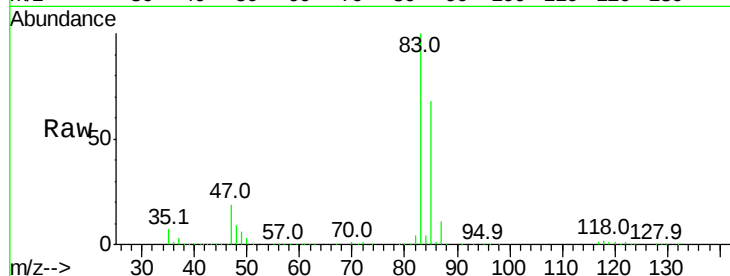
VSTDCCC010EC

Tgt Ion: 83 Resp: 2619256

Ion Ratio Lower Upper

83 100

85 67.6 53.9 80.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

1500000

1000000

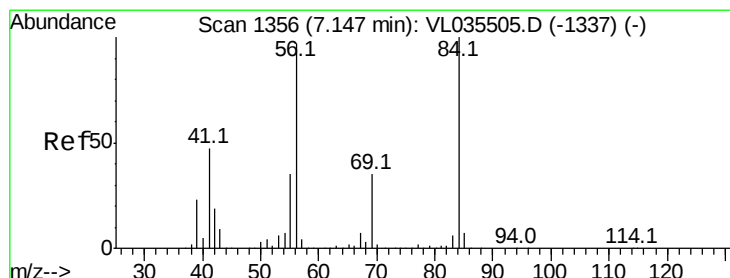
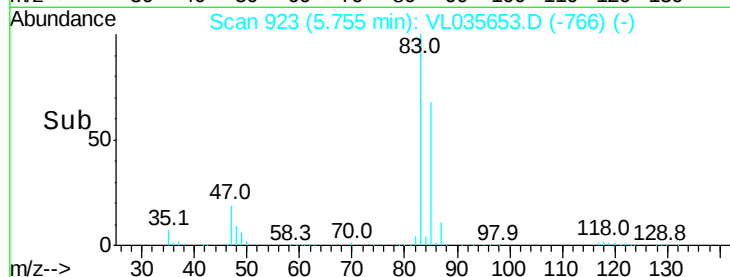
500000

0

5.75

5.70 5.80

Time-->



#30

Cyclohexane

Concen: 10.722 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

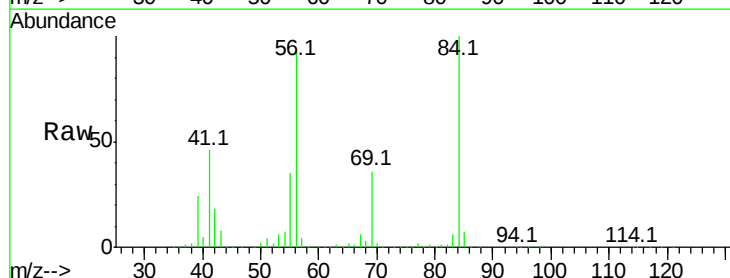
Tgt Ion: 84 Resp: 1511710

Ion Ratio Lower Upper

84 100

56 99.0 80.1 120.1

41 46.1 38.1 57.1



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

1000000

800000

600000

400000

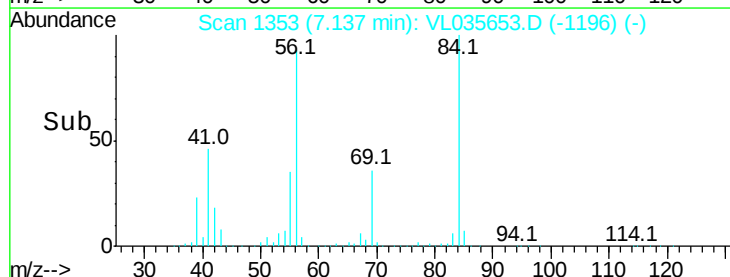
200000

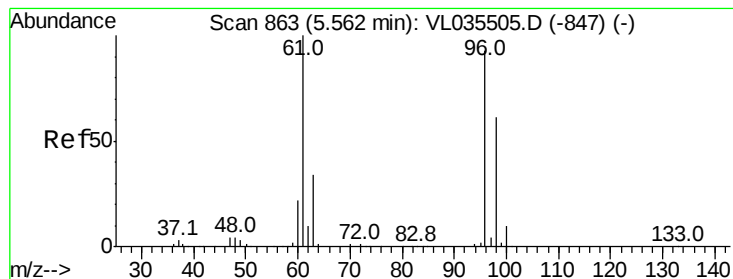
0

7.14

7.05 7.10 7.15 7.20

Time-->





#31

cis-1,2-Dichloroethene

Concen: 10.504 ppbv

RT: 5.55 min Scan# 860

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

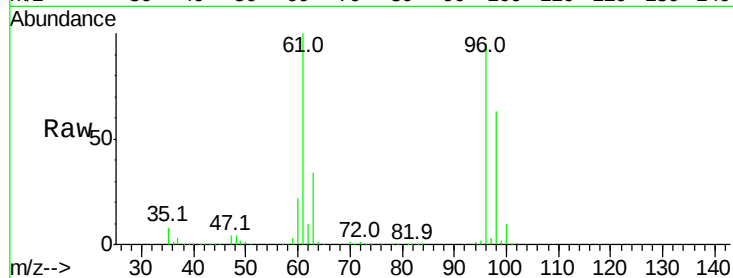
Tgt Ion: 61 Resp: 1418314

Ion Ratio Lower Upper

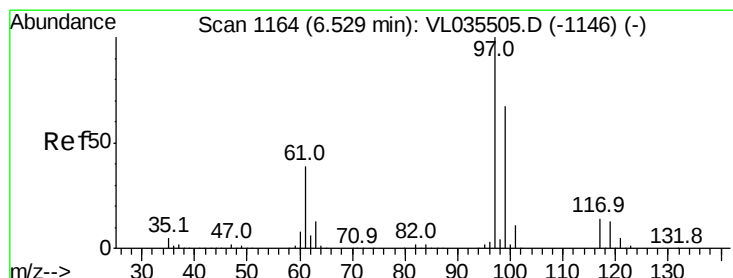
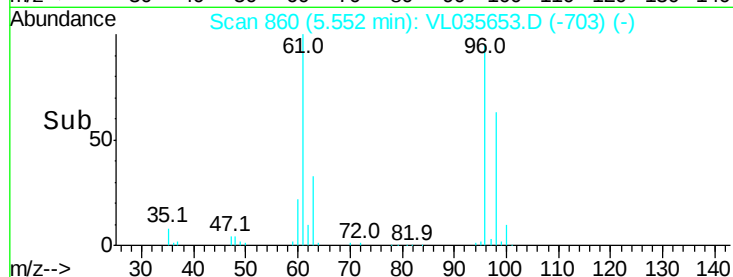
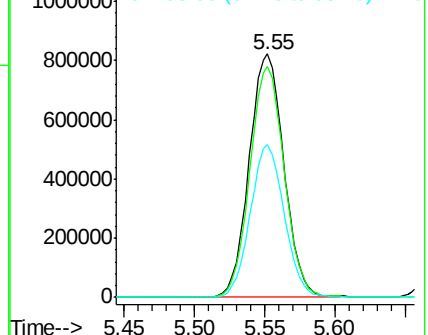
61 100

96 94.7 74.4 111.6

98 62.8 49.2 73.8



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



#32

1,1,1-Trichloroethane

Concen: 10.006 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

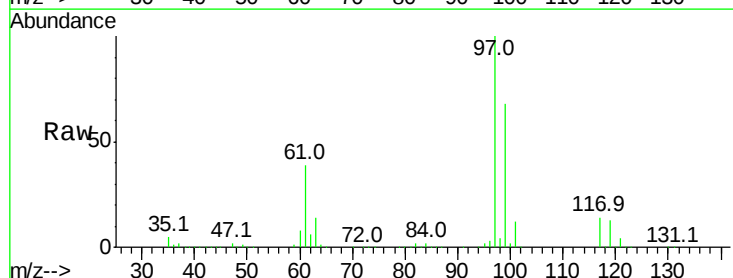
Tgt Ion: 97 Resp: 2602844

Ion Ratio Lower Upper

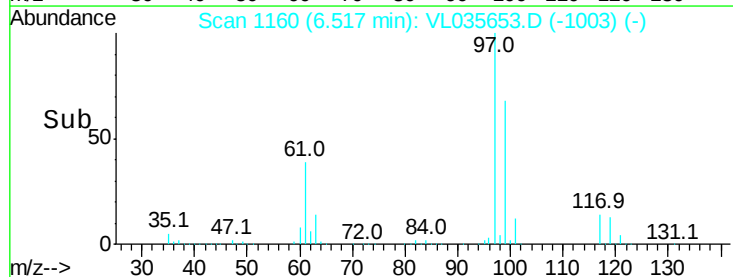
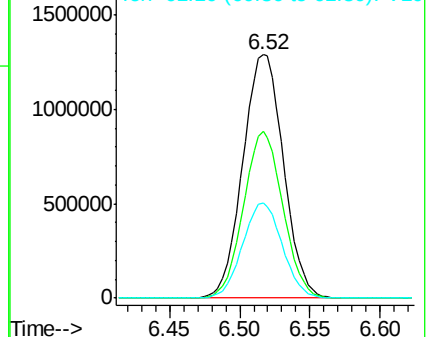
97 100

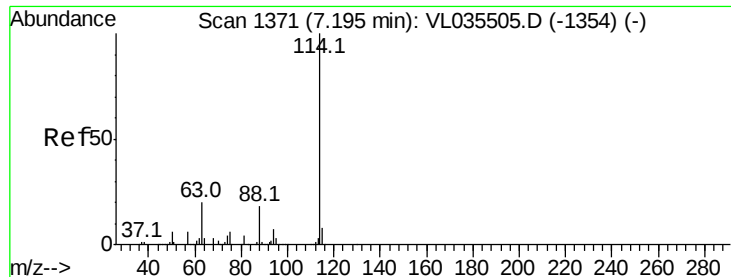
99 66.3 53.3 79.9

61 38.4 30.6 46.0



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

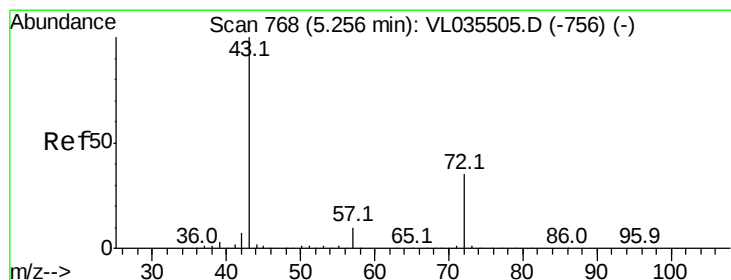
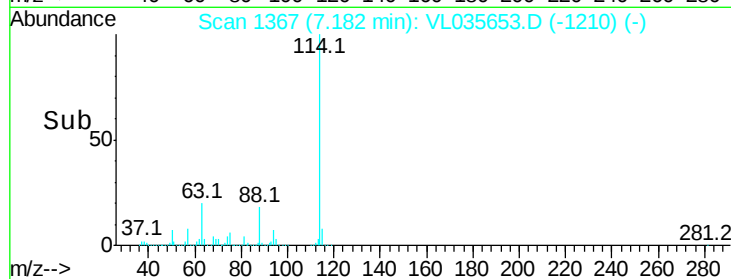
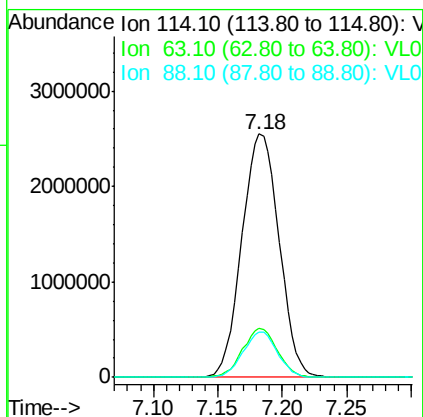
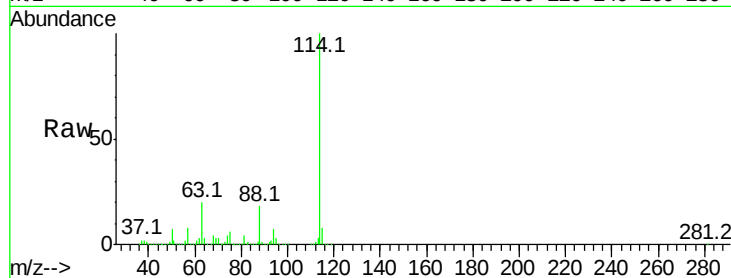




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

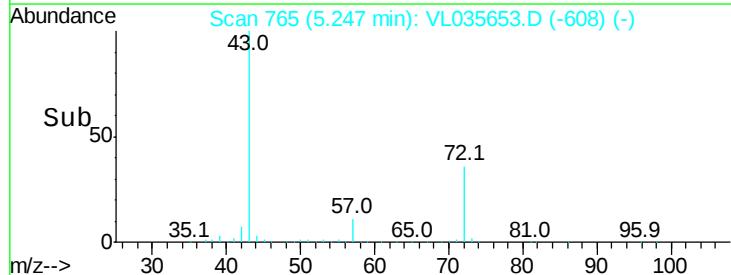
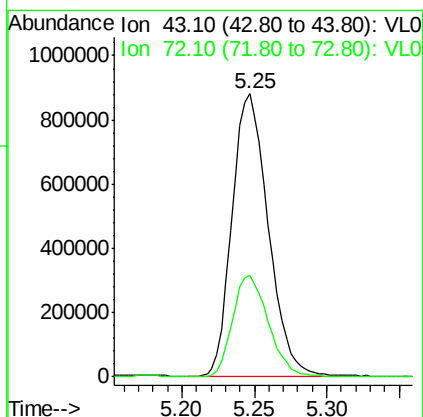
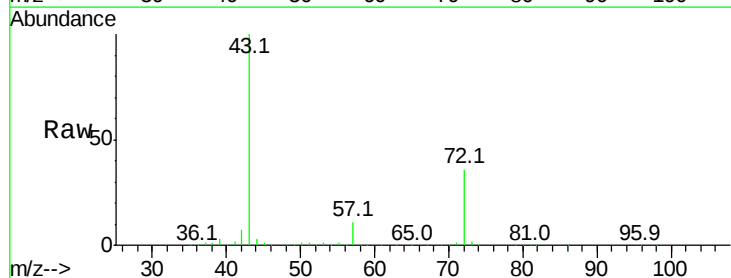
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

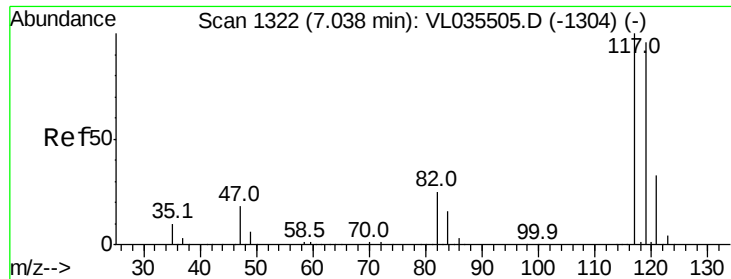
Tgt Ion:114 Resp: 5127647
 Ion Ratio Lower Upper
 114 100
 63 19.0 14.7 22.1
 88 17.3 13.4 20.2



#34
 2-Butanone
 Concen: 10.041 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Tgt Ion: 43 Resp: 1527902
 Ion Ratio Lower Upper
 43 100
 72 35.7 27.7 41.5





#35

Carbon Tetrachloride

Concen: 10.257 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

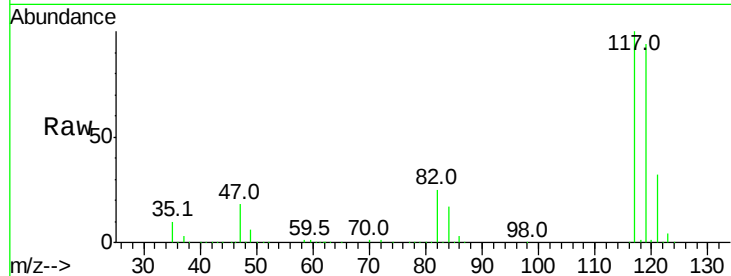
Tgt Ion:117 Resp: 2643393

Ion Ratio Lower Upper

117 100

119 94.2 77.2 115.8

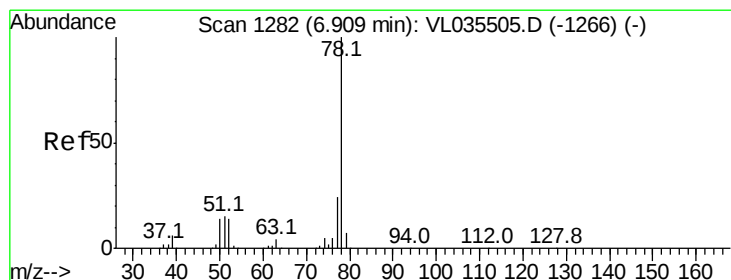
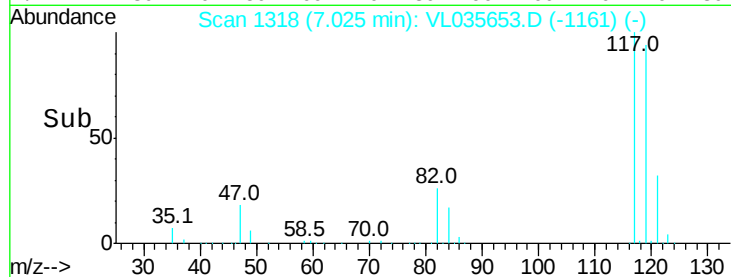
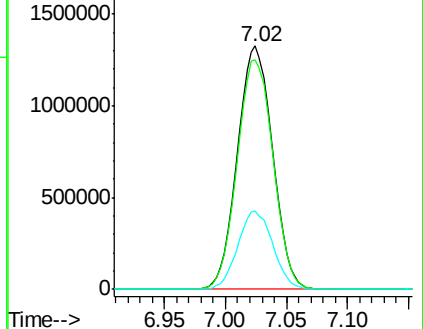
121 32.2 26.1 39.1



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: 10.405 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

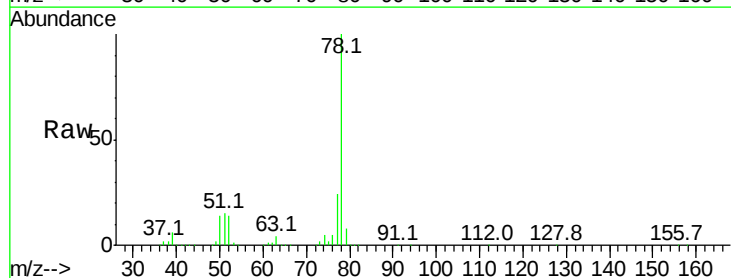
Tgt Ion: 78 Resp: 3453738

Ion Ratio Lower Upper

78 100

77 23.8 19.3 28.9

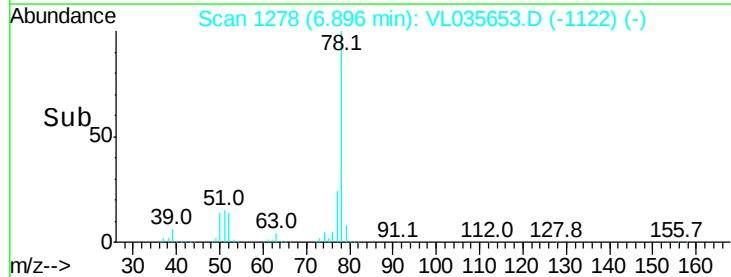
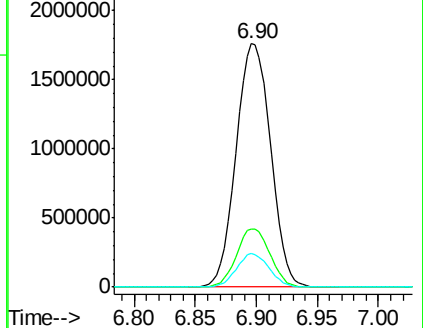
50 13.9 11.0 16.6

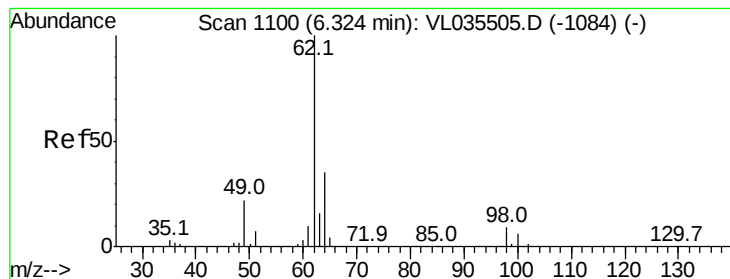


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.200 ppbv

RT: 6.31 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

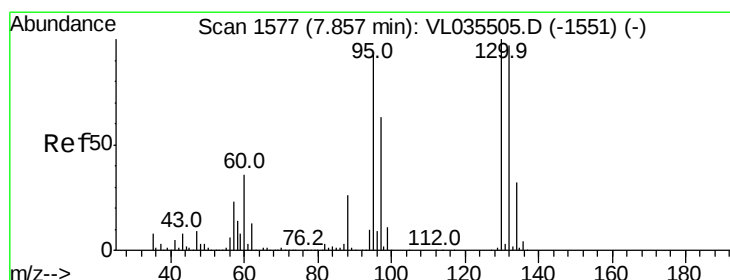
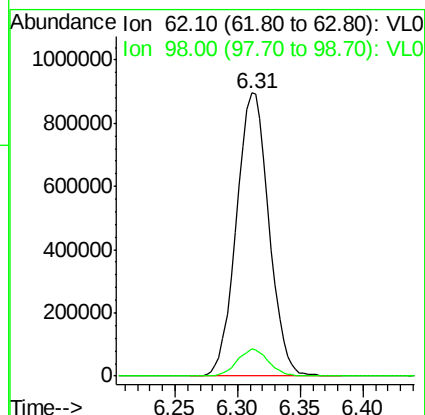
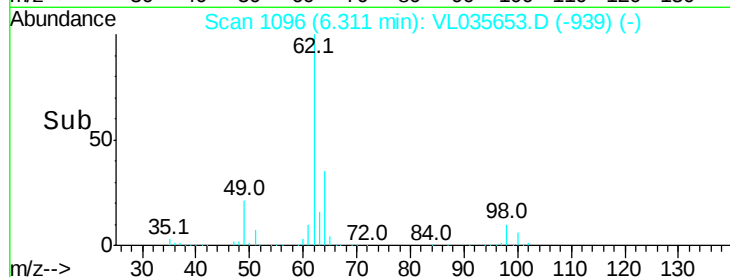
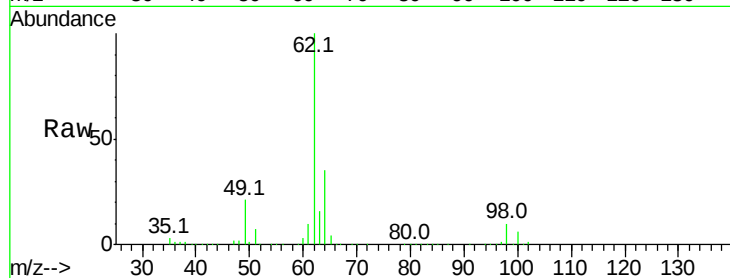
VSTDCCC010EC

Tgt Ion: 62 Resp: 1614172

Ion Ratio Lower Upper

62 100

98 9.4 7.4 11.0



#38

Trichloroethene

Concen: 8.971 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Tgt Ion: 130 Resp: 1729701

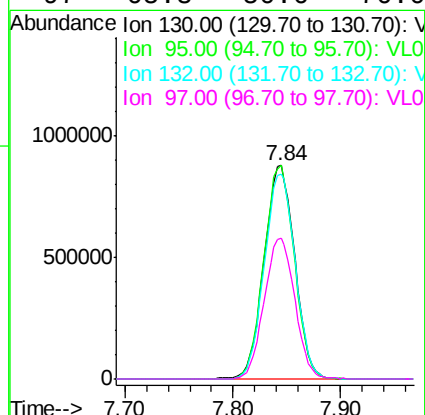
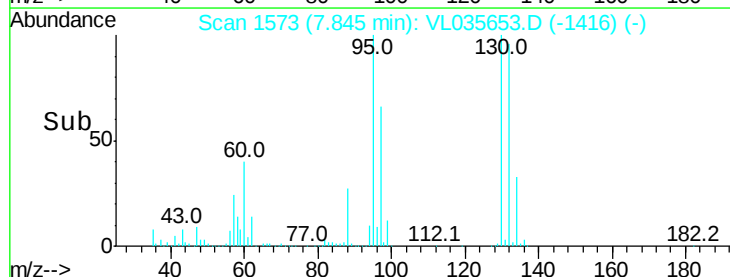
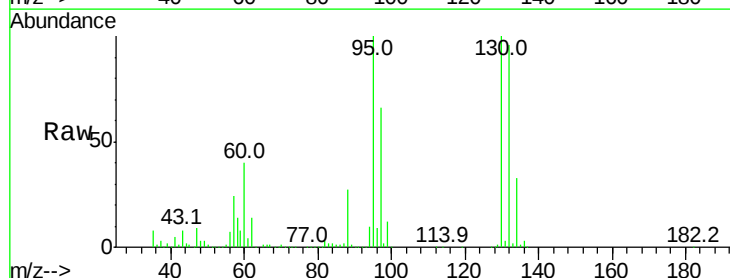
Ion Ratio Lower Upper

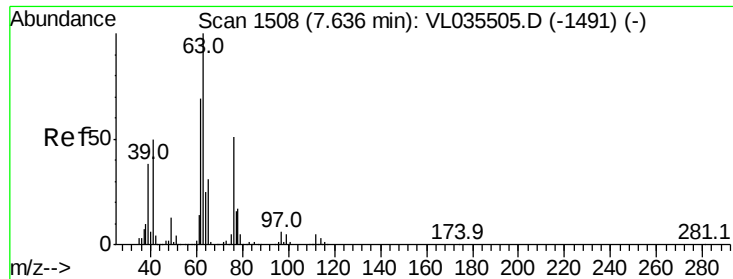
130 100

95 100.1 74.6 112.0

132 96.1 77.6 116.4

97 65.8 50.6 76.0





#39

1,2-Dichloropropane

Concen: 10.221 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

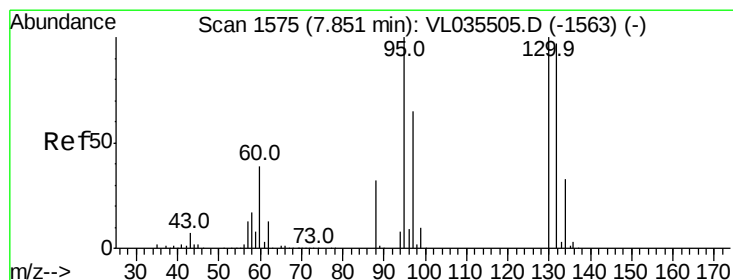
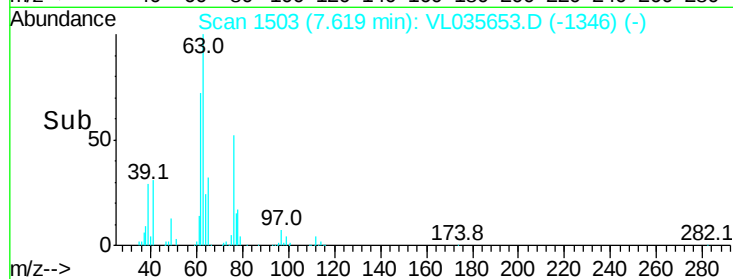
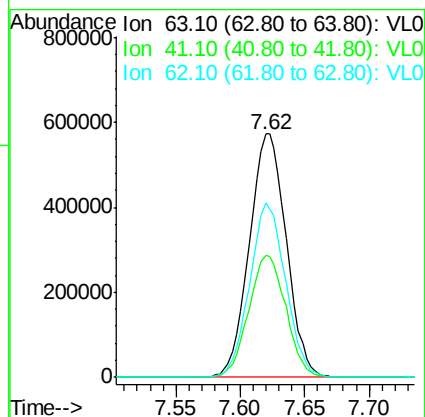
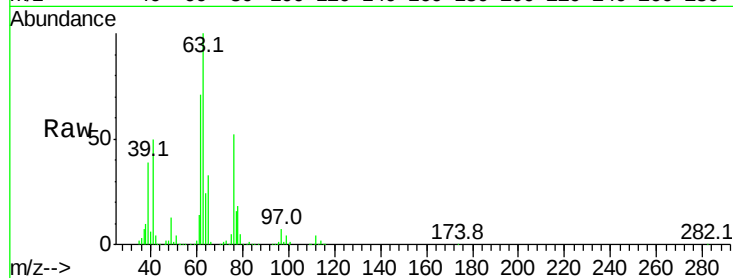
Tgt Ion: 63 Resp: 1146090

Ion Ratio Lower Upper

63 100

41 50.0 40.0 60.0

62 71.4 55.4 83.0



#40

1,4-Dioxane

Concen: 11.162 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Tgt Ion: 88 Resp: 625212

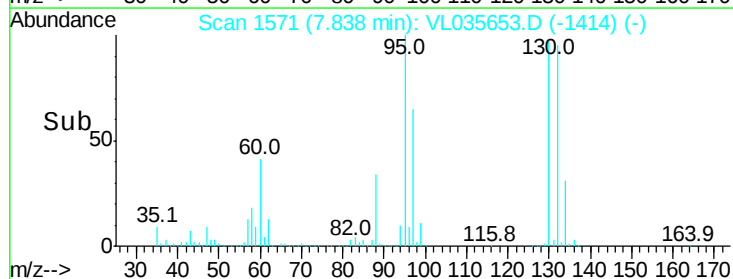
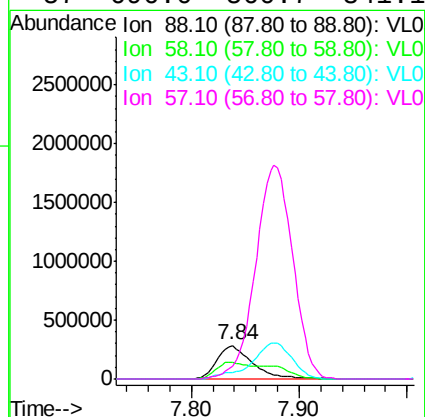
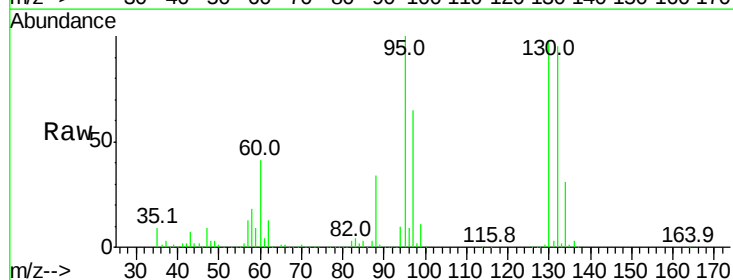
Ion Ratio Lower Upper

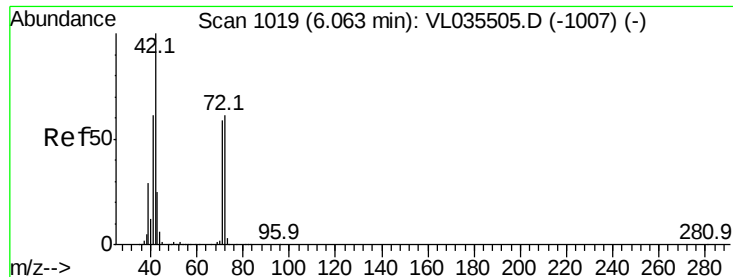
88 100

58 86.3 68.7 103.1

43 127.7 104.3 156.5

57 696.0 560.7 841.1

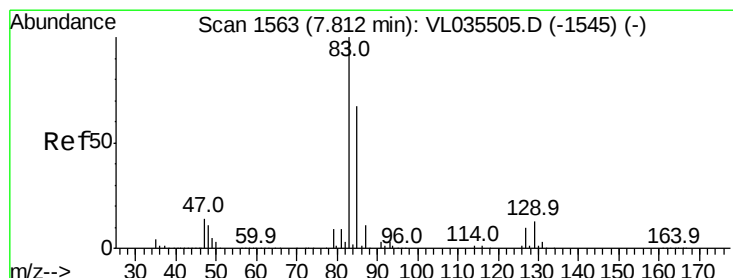
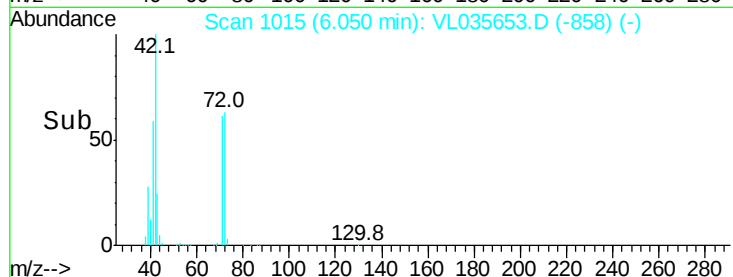
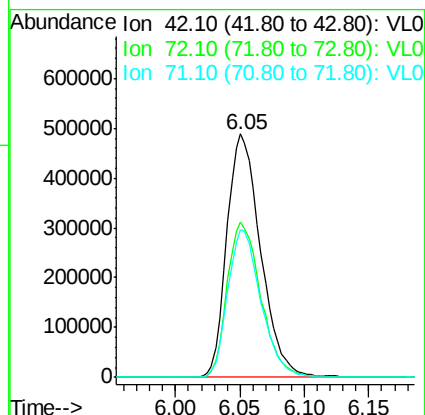
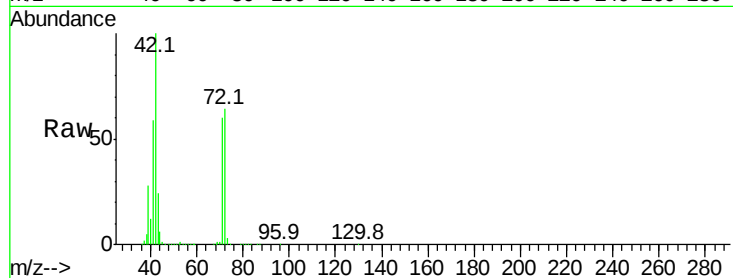




#41
Tetrahydrofuran
Concen: 10.991 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

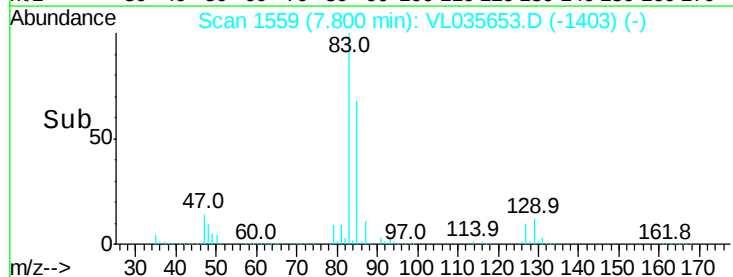
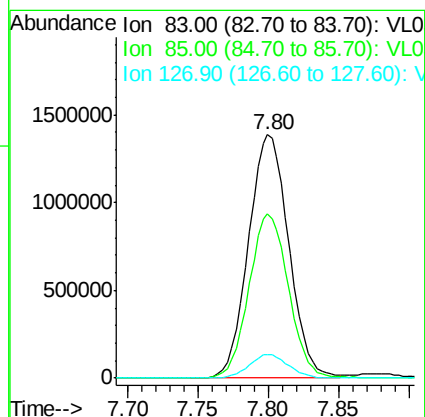
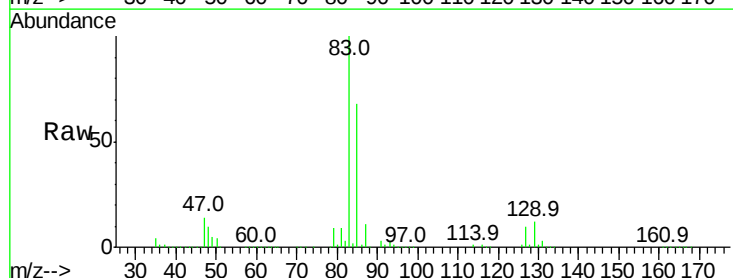
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

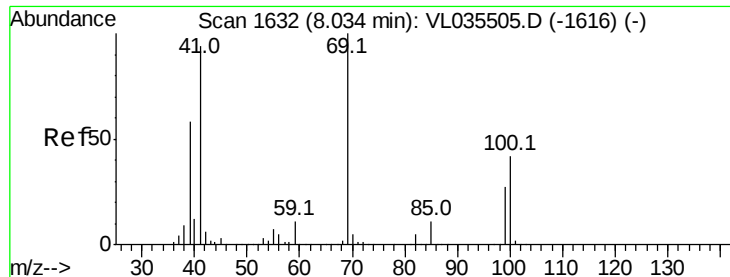
Tgt Ion: 42 Resp: 886895
Ion Ratio Lower Upper
42 100
72 63.9 48.6 73.0
71 59.7 46.1 69.1



#42
Bromodichloromethane
Concen: 10.817 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion: 83 Resp: 2768083
Ion Ratio Lower Upper
83 100
85 67.6 53.7 80.5
127 9.6 8.1 12.1

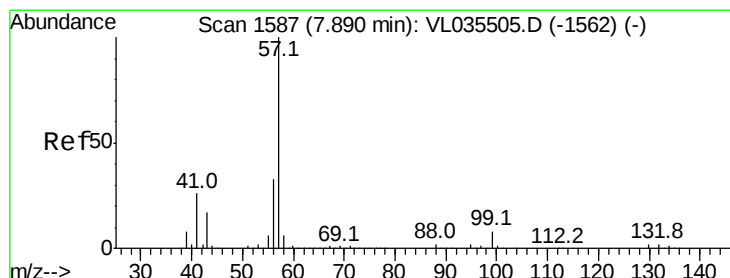
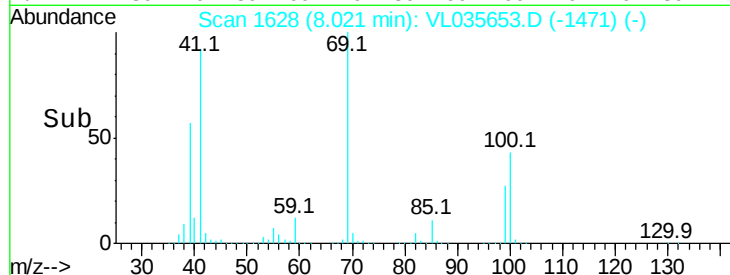
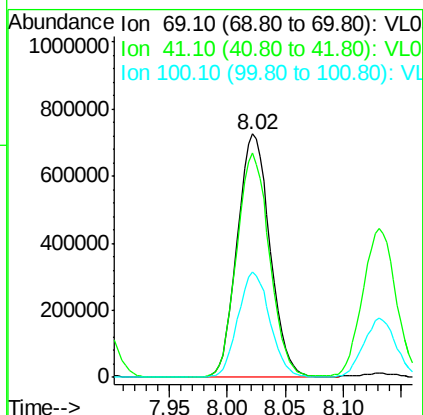
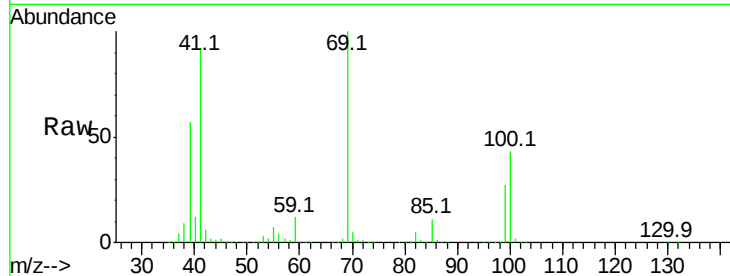




#43
Methyl Methacrylate
Concen: 11.122 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

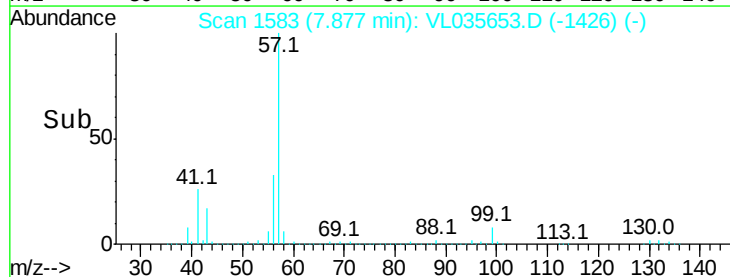
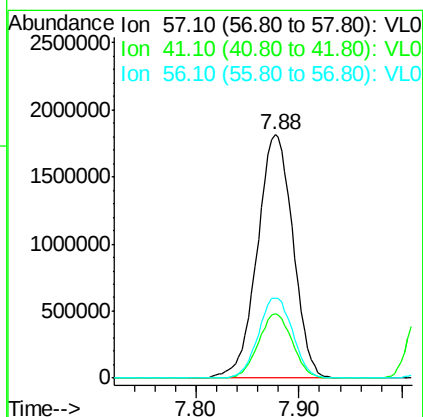
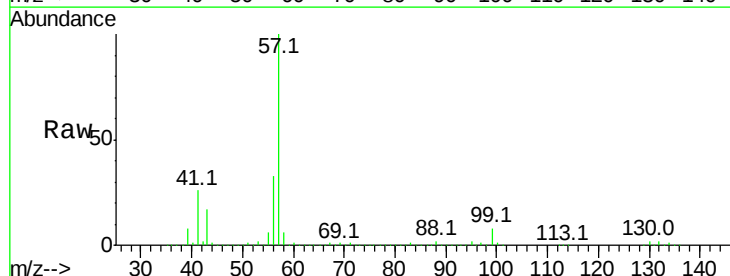
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

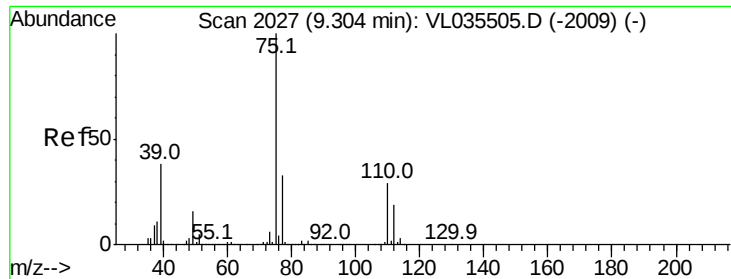
Tgt Ion: 69 Resp: 1427429
Ion Ratio Lower Upper
69 100
41 92.1 76.6 114.8
100 42.3 33.8 50.6



#44
2,2,4-Trimethylpentane
Concen: 9.954 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion: 57 Resp: 4347384
Ion Ratio Lower Upper
57 100
41 25.0 20.5 30.7
56 31.7 25.3 37.9

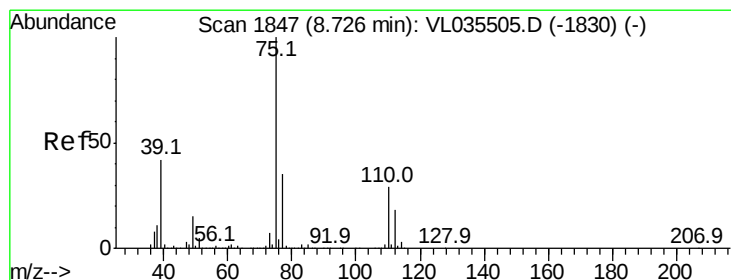
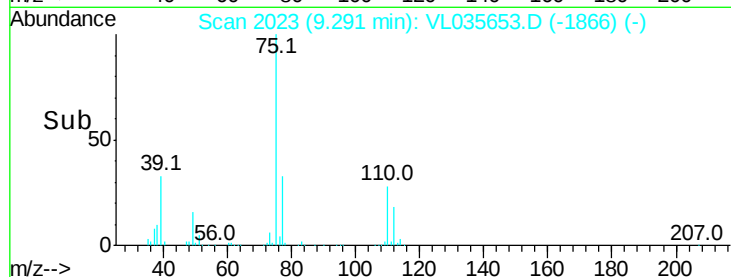
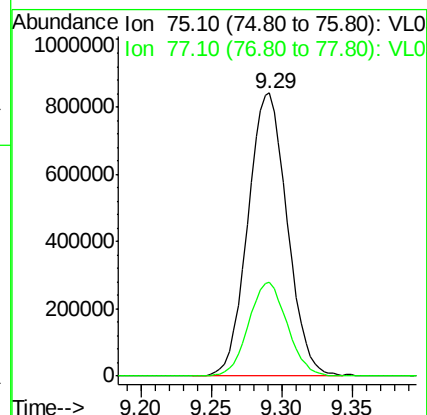
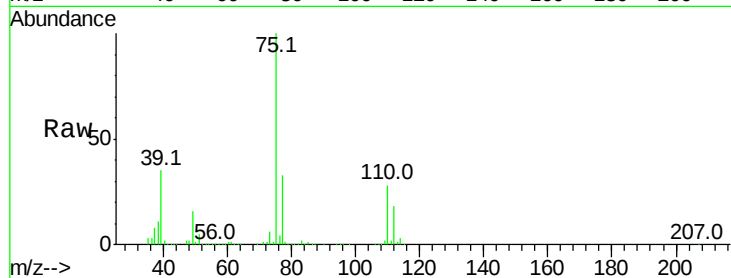




#45
t-1,3-Dichloropropene
Concen: 12.609 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

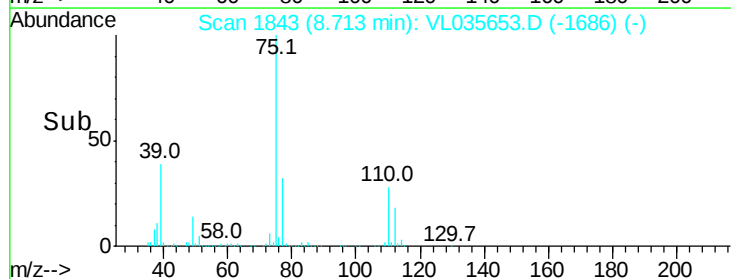
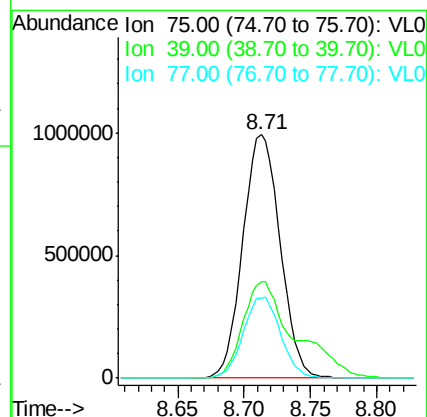
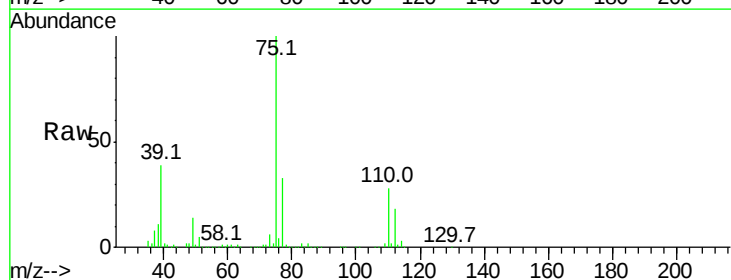
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

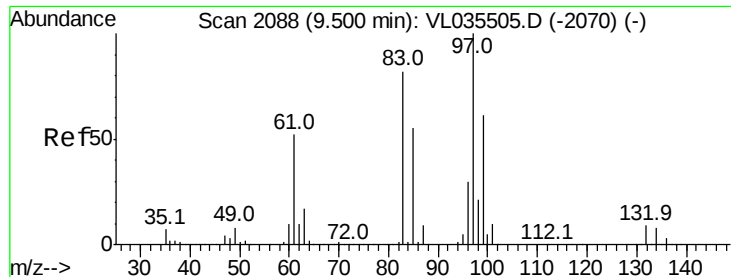
Tgt Ion: 75 Resp: 1639375
Ion Ratio Lower Upper
75 100
77 33.2 26.5 39.7



#46
cis-1,3-Dichloropropene
Concen: 12.039 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion: 75 Resp: 1943522
Ion Ratio Lower Upper
75 100
39 39.4 33.7 50.5
77 32.5 27.8 41.6



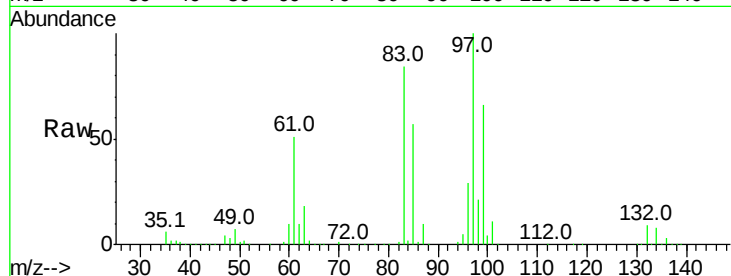


#47
 1,1,2-Trichloroethane
 Concen: 10.124 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

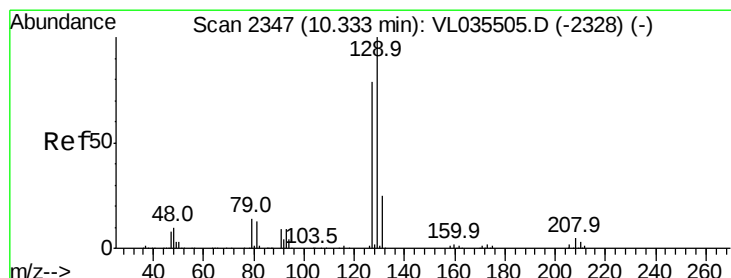
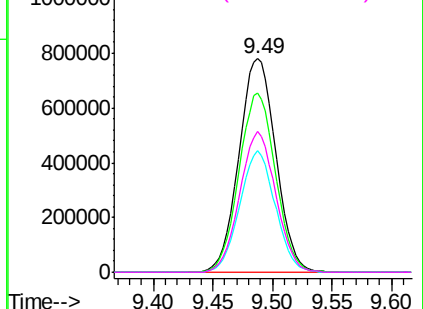
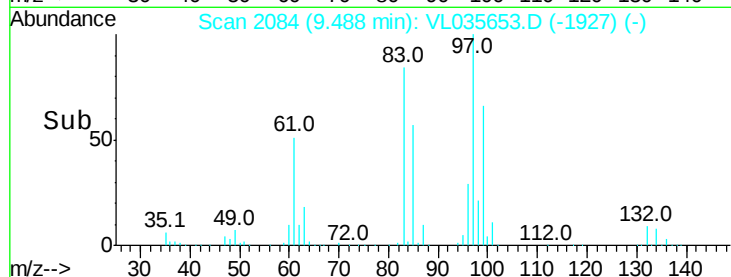
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 1674971

Ion	Ratio	Lower	Upper
97	100		
83	84.1	65.4	98.2
85	56.8	43.7	65.5
99	65.9	49.1	73.7



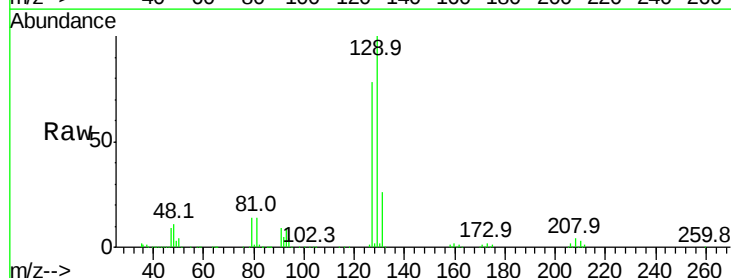
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



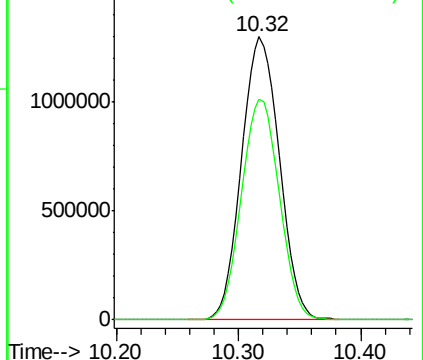
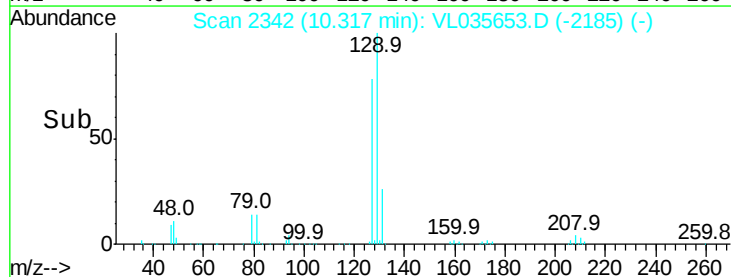
#48
 Dibromochloromethane
 Concen: 10.695 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

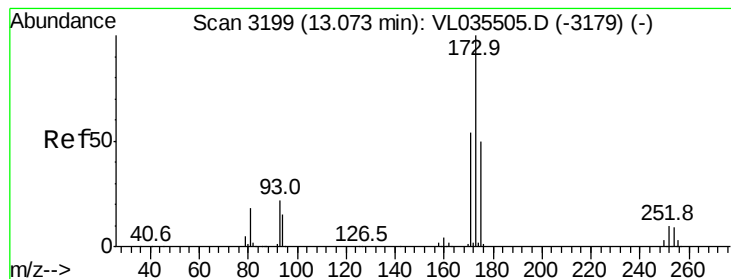
Tgt Ion: 129 Resp: 2784942

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.3	117.8



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





#49

Bromoform

Concen: 10.514 ppbv

RT: 13.06 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

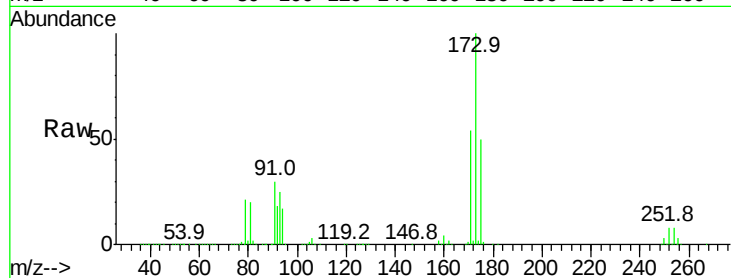
Tgt Ion:173 Resp: 2481243

Ion Ratio Lower Upper

173 100

175 50.0 39.8 59.8

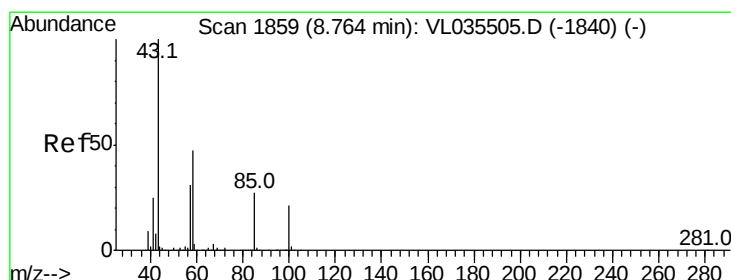
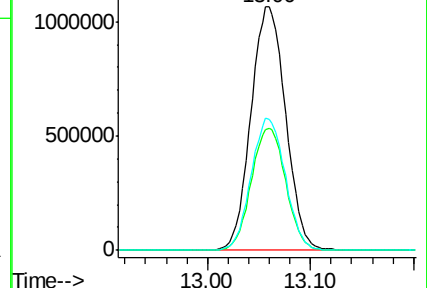
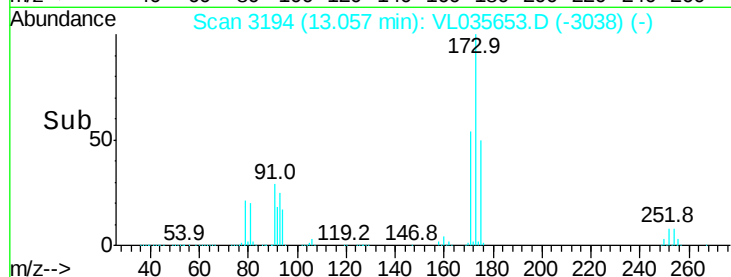
171 53.6 42.4 63.6



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: 10.160 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL035653.D

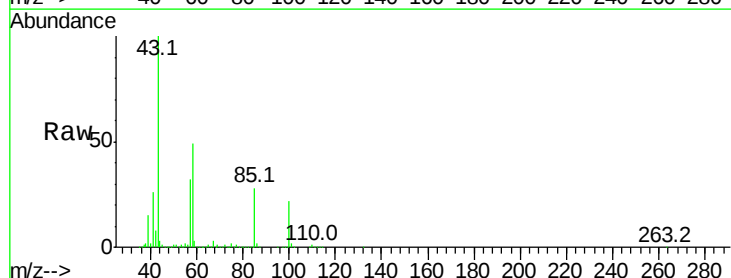
Acq: 17 Sep 2020 9:25

Tgt Ion: 43 Resp: 2238683

Ion Ratio Lower Upper

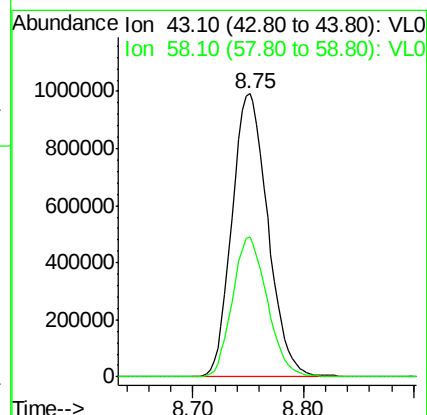
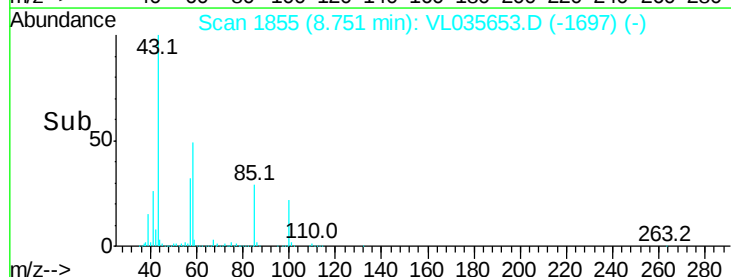
43 100

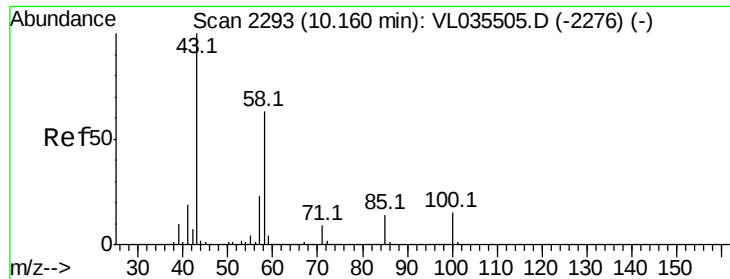
58 48.2 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

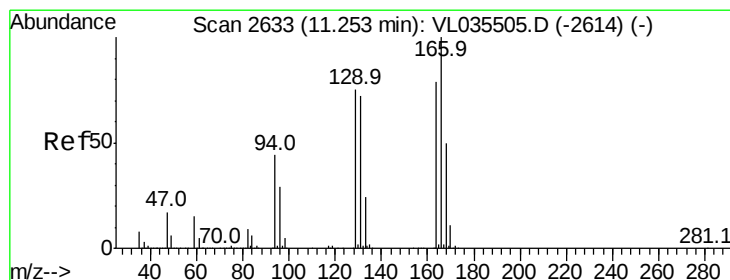
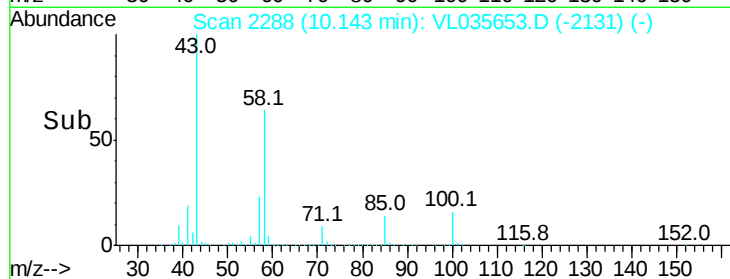
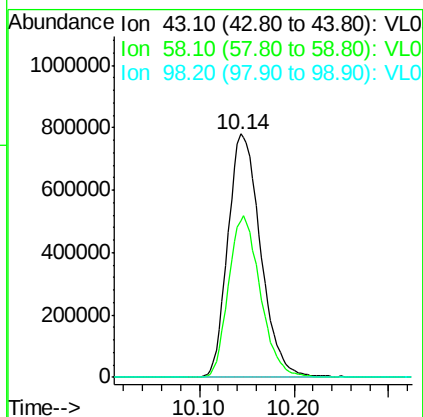
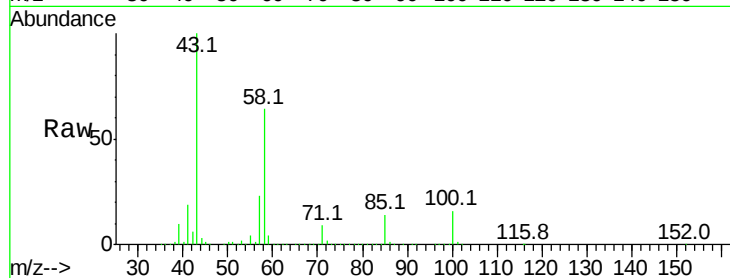




#51
2-Hexanone
Concen: 10.376 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

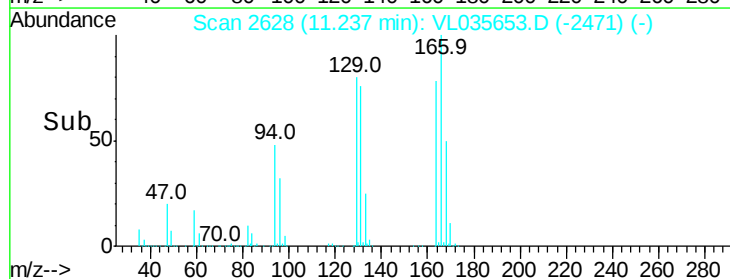
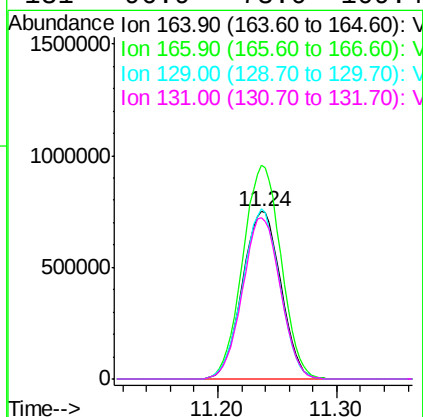
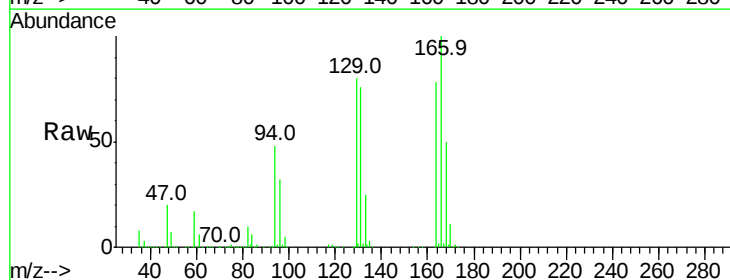
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

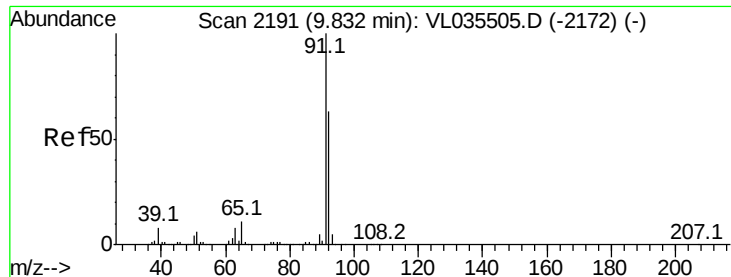
Tgt Ion: 43 Resp: 1875517
Ion Ratio Lower Upper
43 100
58 64.7 50.2 75.4
98 0.4 0.4 0.6#



#52
Tetrachloroethene
Concen: 8.673 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion: 164 Resp: 1681817
Ion Ratio Lower Upper
164 100
166 127.8 100.9 151.3
129 102.0 75.3 112.9
131 96.9 73.0 109.4





#53

Toluene

Concen: 10.357 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

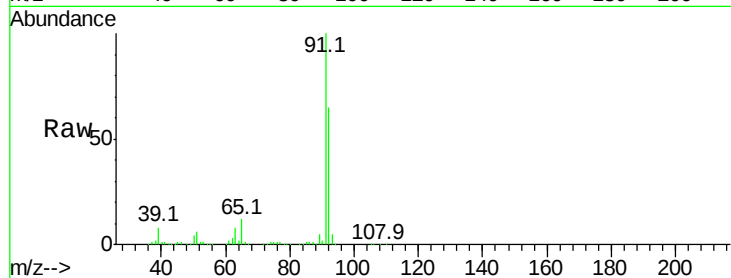
VSTDCCC010EC

Tgt Ion: 91 Resp: 4322901

Ion Ratio Lower Upper

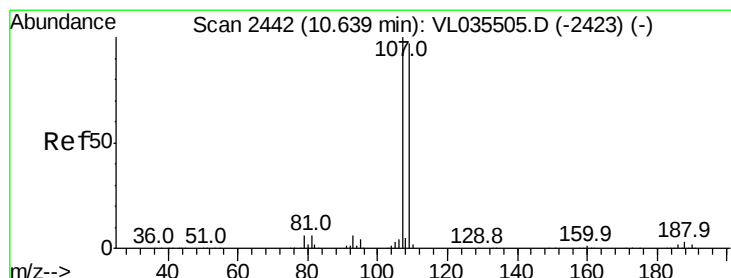
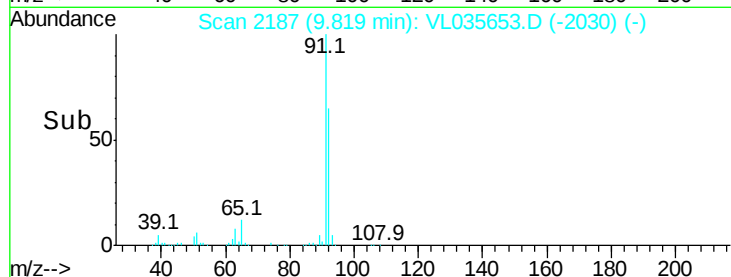
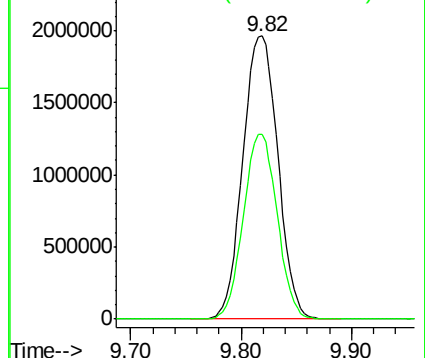
91 100

92 63.2 49.8 74.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.130 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL035653.D

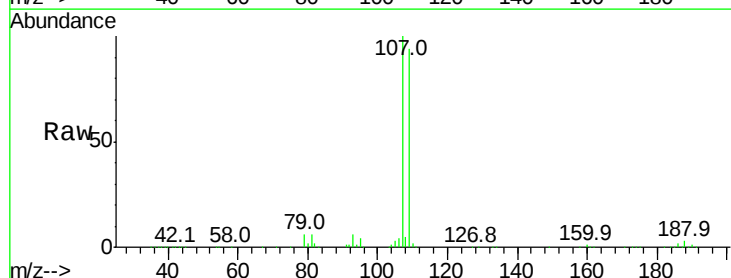
Acq: 17 Sep 2020 9:25

Tgt Ion: 107 Resp: 2648271

Ion Ratio Lower Upper

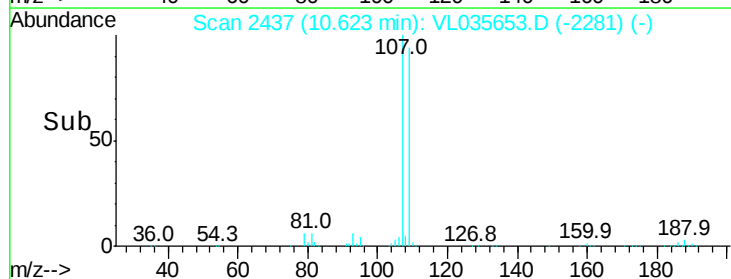
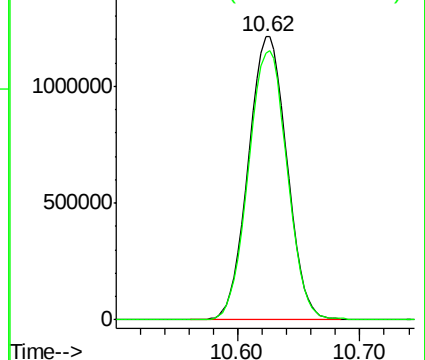
107 100

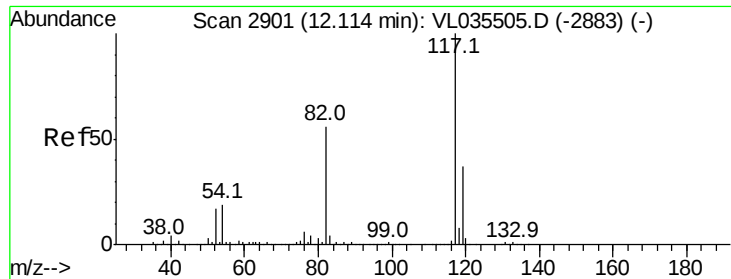
109 94.4 77.8 116.8



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# 2897

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

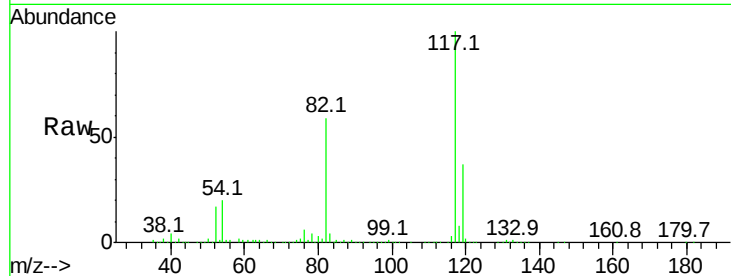
Tgt Ion:117 Resp: 6411695

Ion Ratio Lower Upper

117 100

82 44.7 41.6 62.4

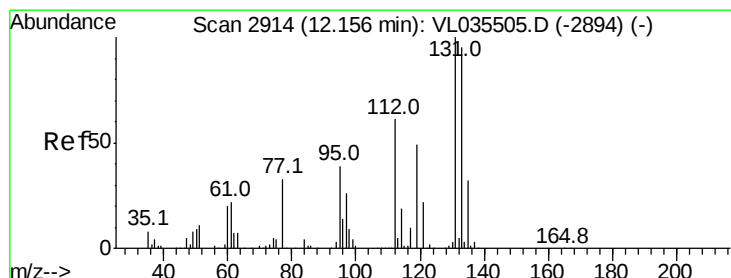
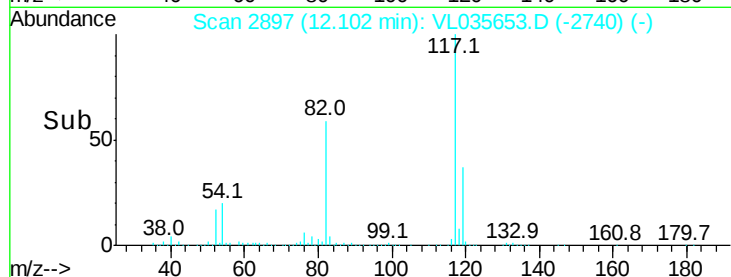
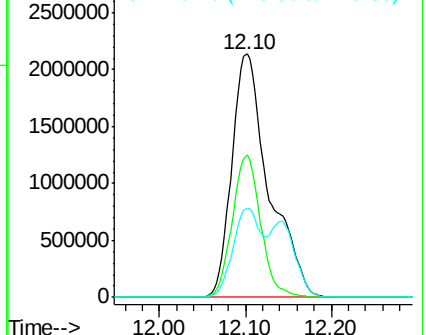
119 29.9 29.3 43.9



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: 8.321 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

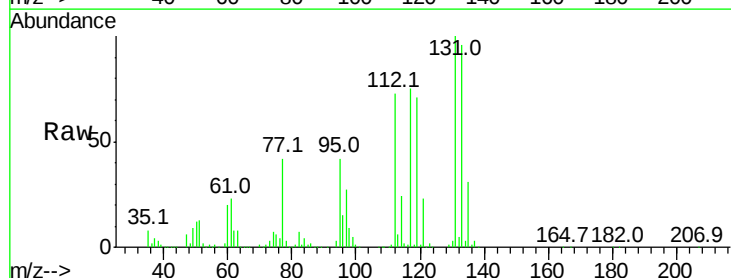
Tgt Ion:131 Resp: 2170836

Ion Ratio Lower Upper

131 100

133 95.2 76.6 115.0

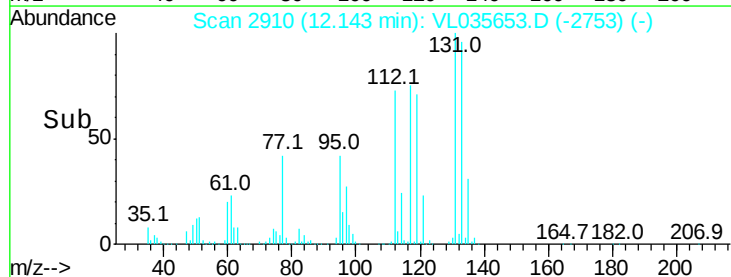
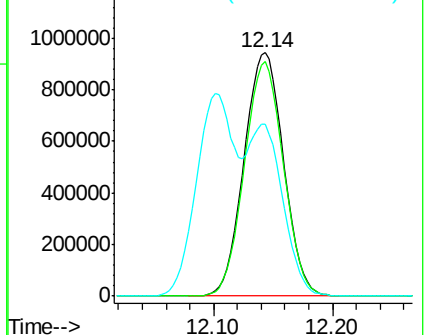
119 62.7 51.6 77.4

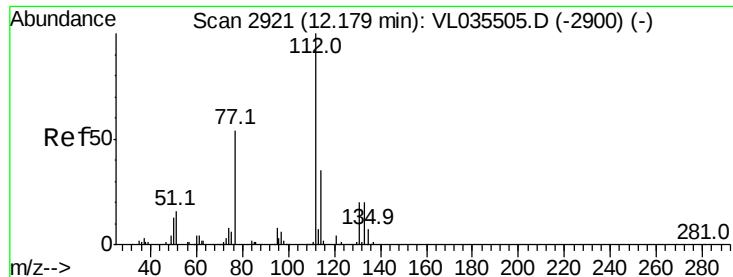


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

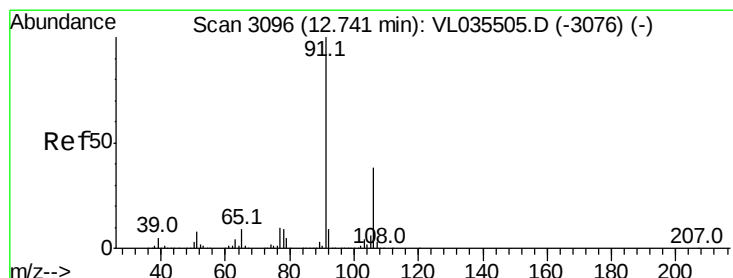
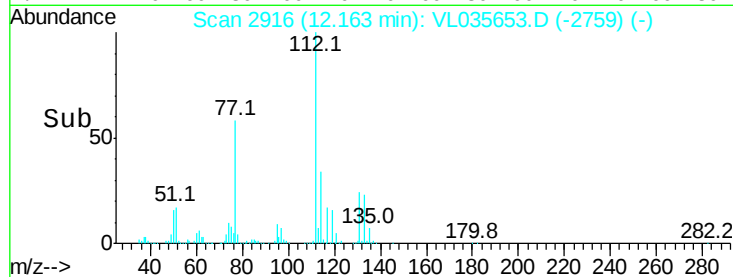
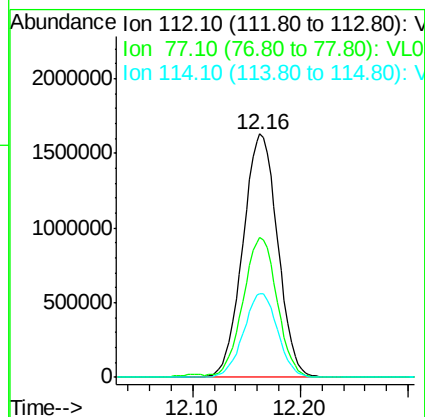
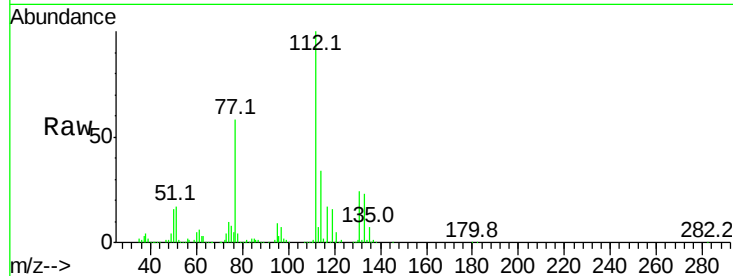




#57
Chlorobenzene
Concen: 7.732 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

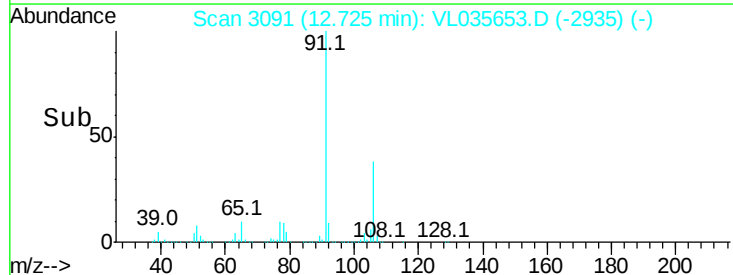
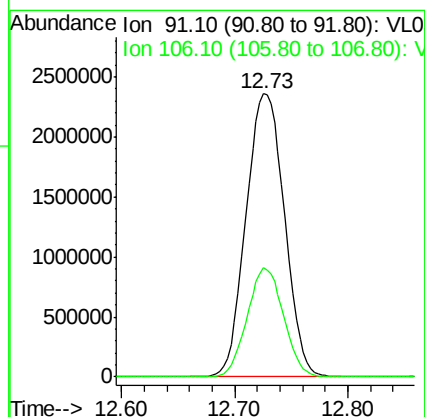
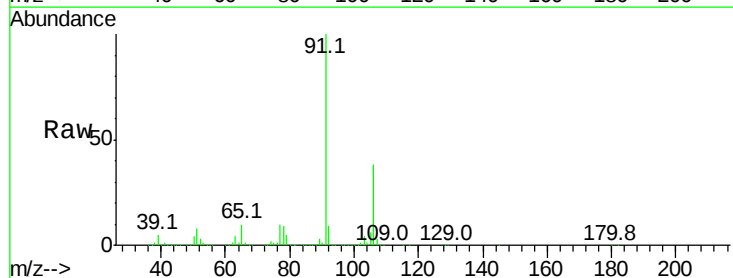
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

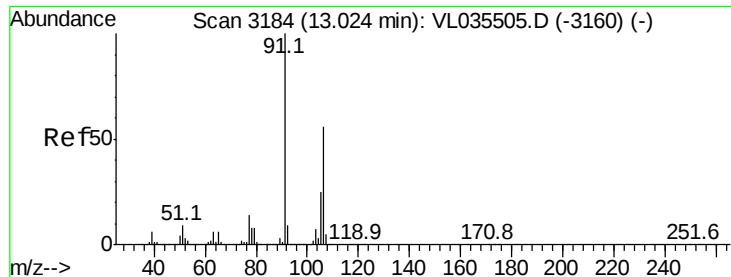
Tgt Ion: 112 Resp: 3648693
Ion Ratio Lower Upper
112 100
77 57.6 44.2 66.4
114 34.2 31.6 38.6



#58
Ethyl Benzene
Concen: 8.437 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. 0.00 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion: 91 Resp: 5578349
Ion Ratio Lower Upper
91 100
106 38.4 30.3 45.5

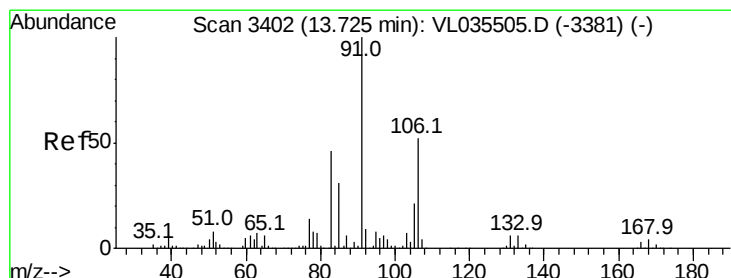
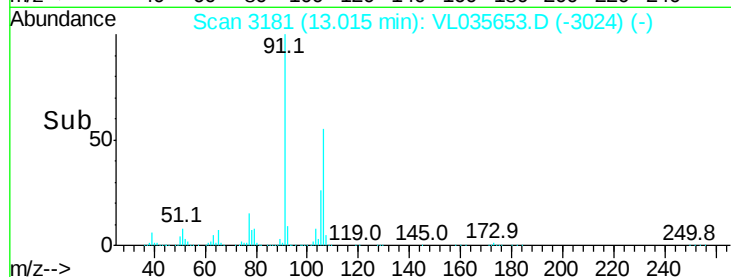
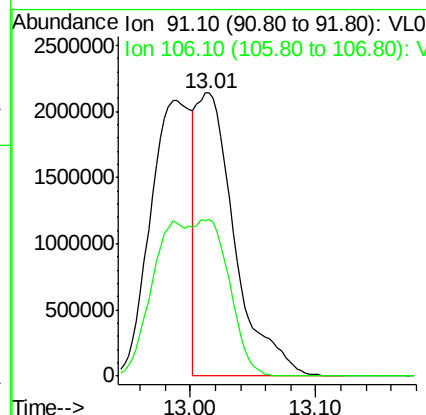
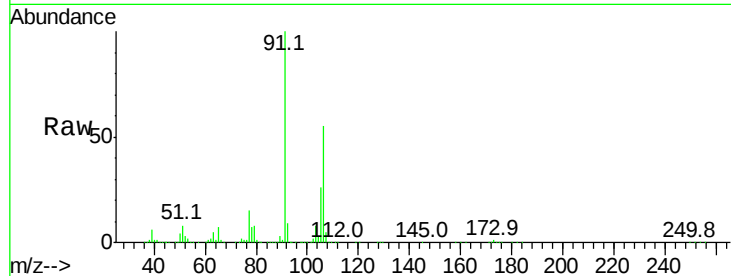




#59
m/p-Xylene
Concen: 8.211 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

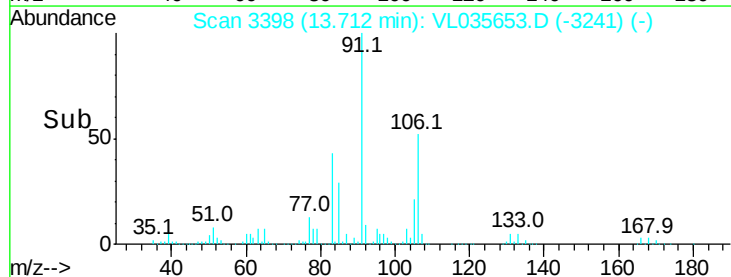
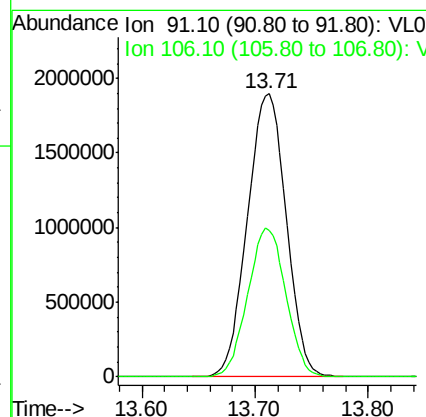
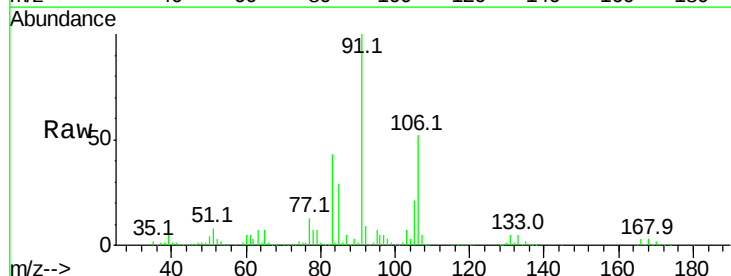
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

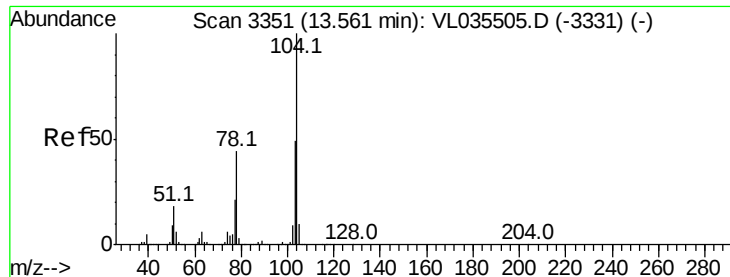
Tgt Ion: 91 Resp: 4536371
Ion Ratio Lower Upper
91 100
106 105.7 43.4 65.2#



#60
o-Xylene
Concen: 8.137 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion: 91 Resp: 4527459
Ion Ratio Lower Upper
91 100
106 51.6 25.8 77.4





#61

Styrene

Concen: 8.812 ppbv

RT: 13.55 min Scan# 3346

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

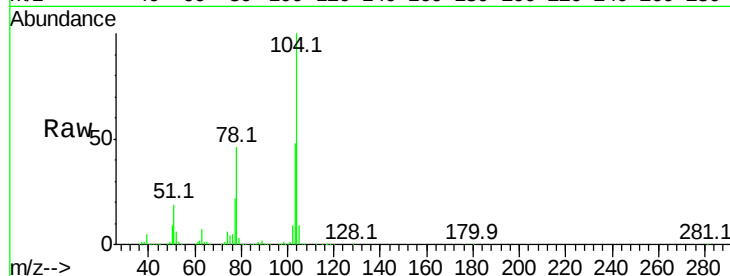
Tgt Ion:104 Resp: 3750103

Ion Ratio Lower Upper

104 100

78 44.1 34.8 52.2

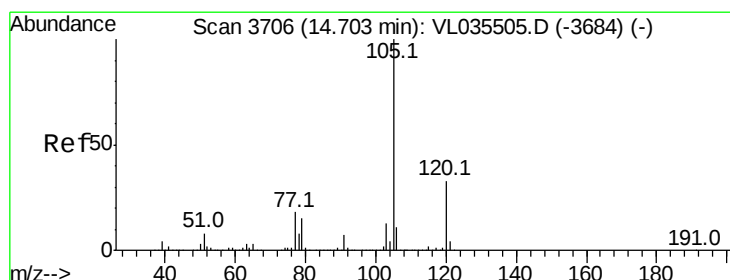
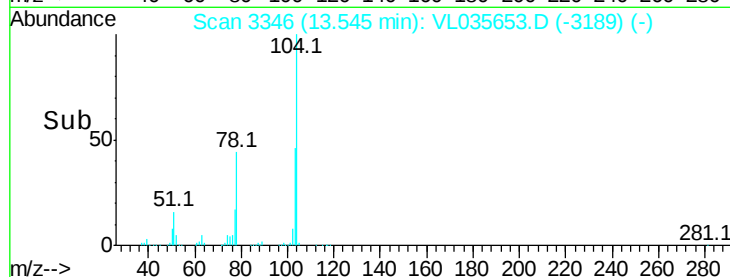
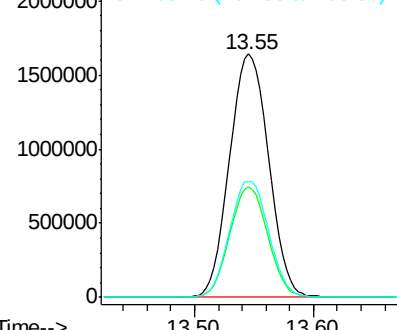
103 47.9 38.2 57.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.734 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.01 min

Lab File: VL035653.D

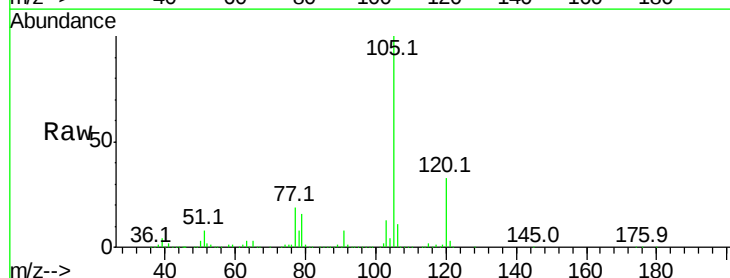
Acq: 17 Sep 2020 9:25

Tgt Ion:105 Resp: 6912682

Ion Ratio Lower Upper

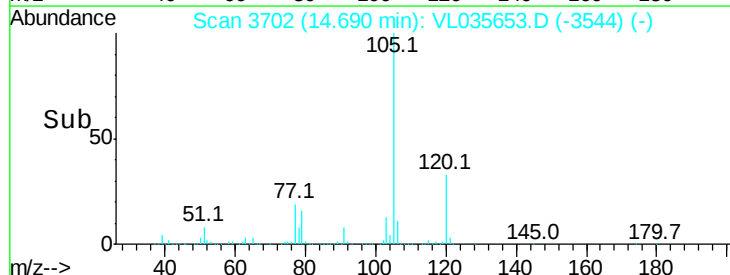
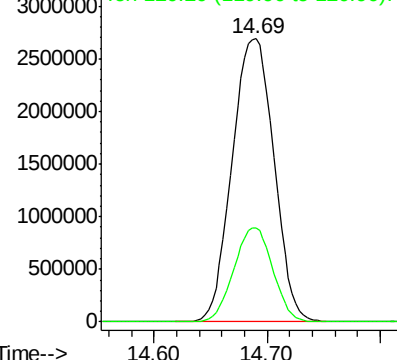
105 100

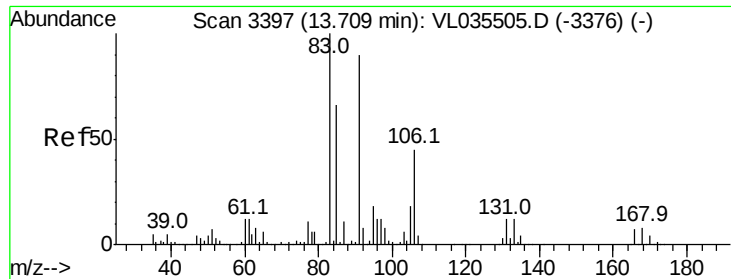
120 31.0 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

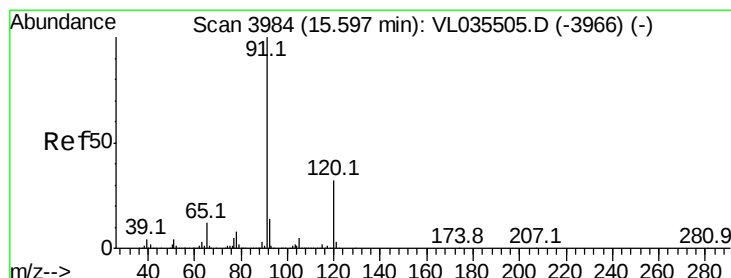
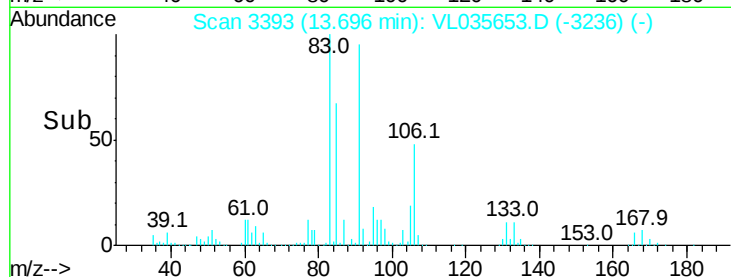
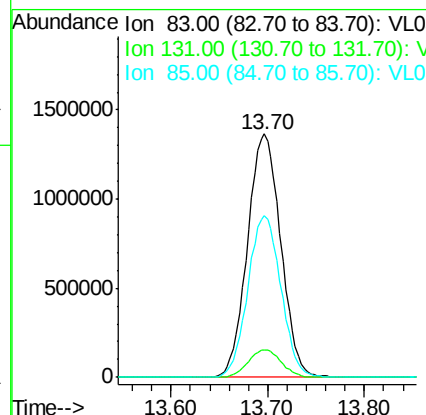
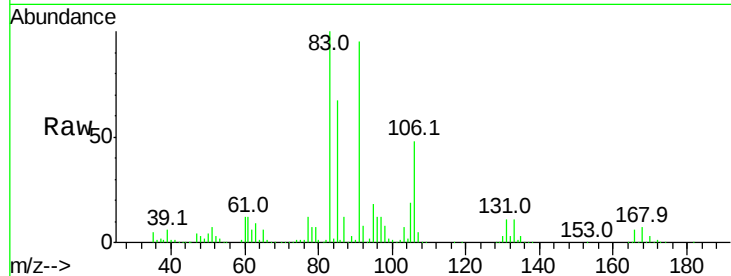




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.558 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

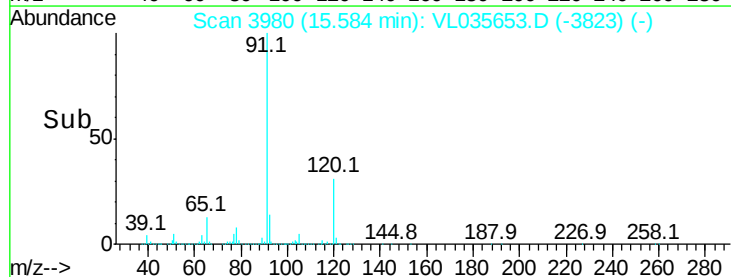
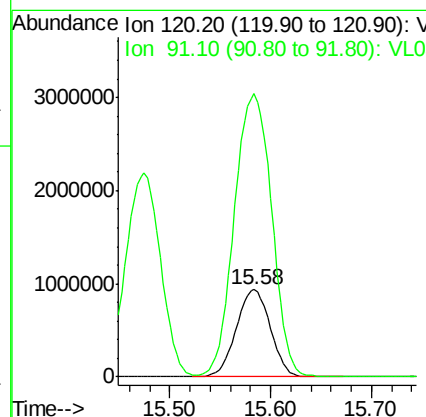
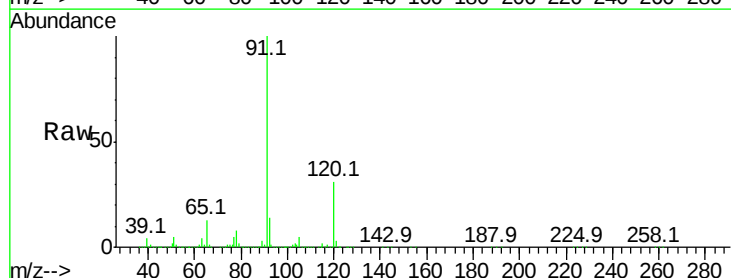
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

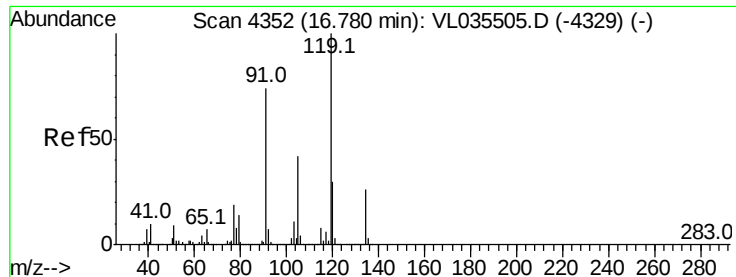
Tgt Ion: 83 Resp: 3260551
 Ion Ratio Lower Upper
 83 100
 131 11.2 6.0 18.0
 85 66.3 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.029 ppbv
 RT: 15.58 min Scan# 3980
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Tgt Ion: 120 Resp: 2190061
 Ion Ratio Lower Upper
 120 100
 91 357.2 279.4 419.0

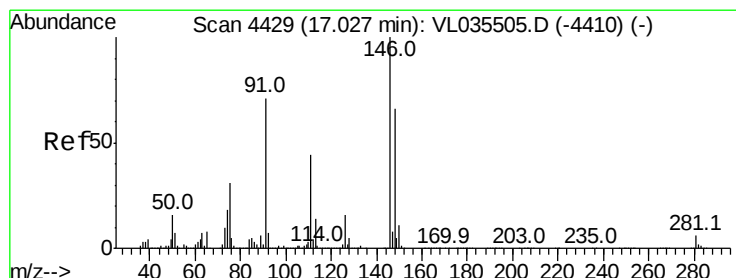
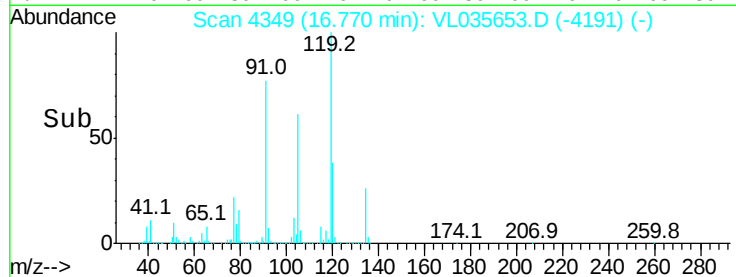
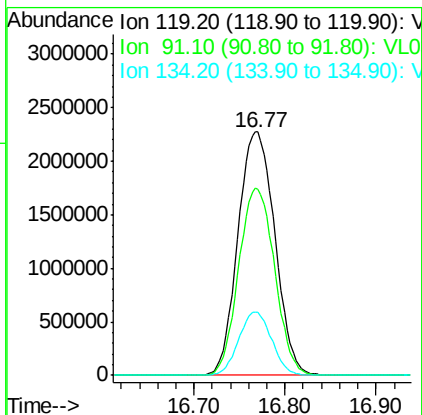
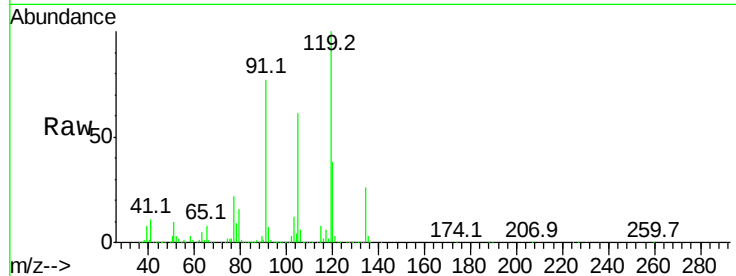




#65
tert-Butylbenzene
Concen: 7.703 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

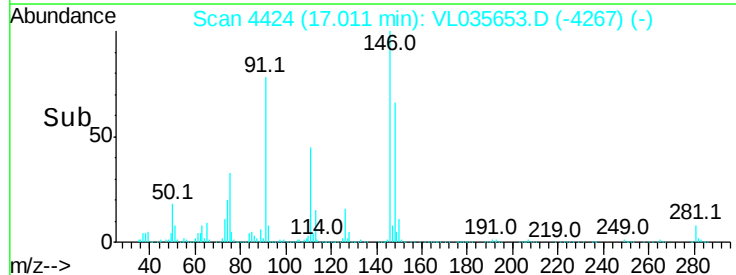
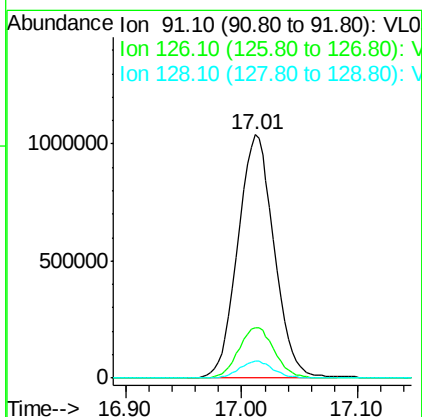
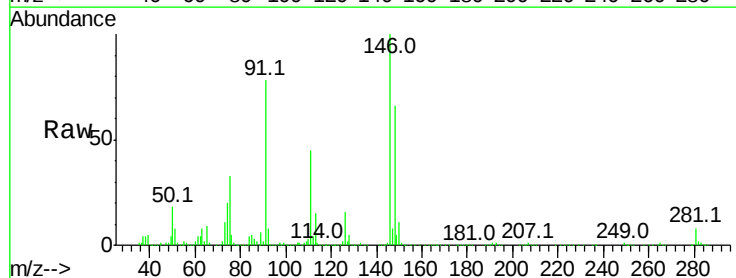
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

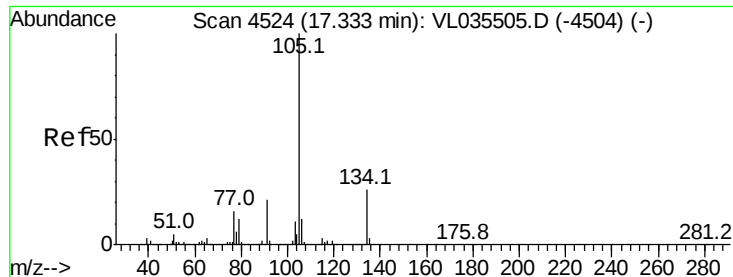
Tgt Ion:119 Resp: 6400572
Ion Ratio Lower Upper
119 100
91 75.1 58.6 87.8
134 23.3 18.9 28.3



#66
Benzyl Chloride
Concen: 10.961 ppbv
RT: 17.01 min Scan# 4424
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion: 91 Resp: 2263441
Ion Ratio Lower Upper
91 100
126 20.5 17.2 25.8
128 6.7 5.5 8.3

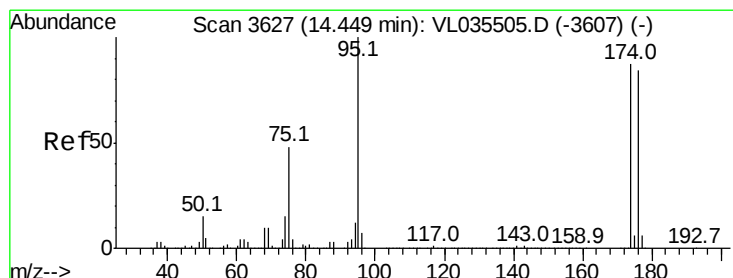
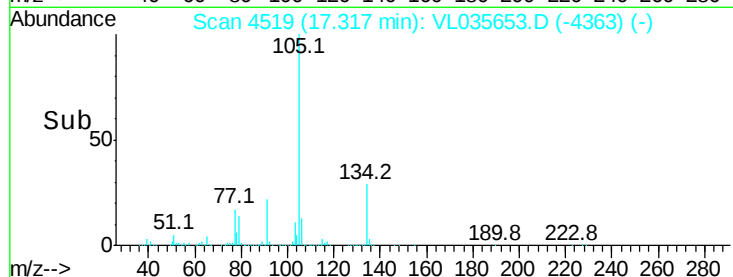
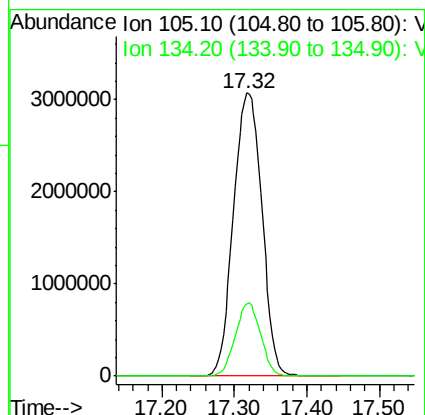
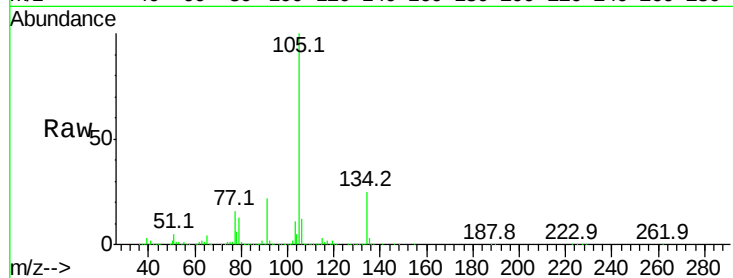




#67
 sec-Butylbenzene
 Concen: 7.580 ppbv
 RT: 17.32 min Scan# 4519
 Delta R.T. 0.00 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

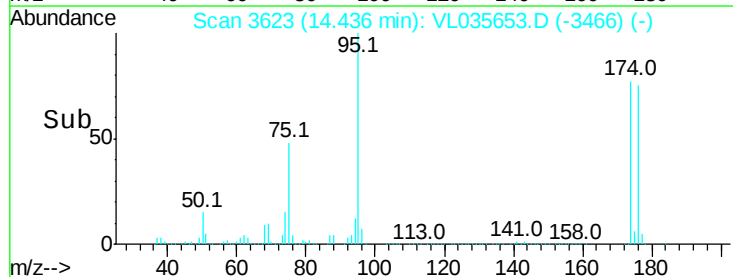
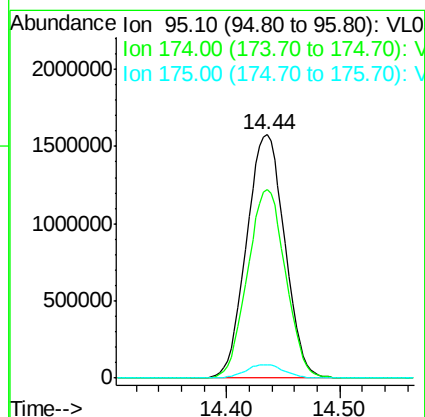
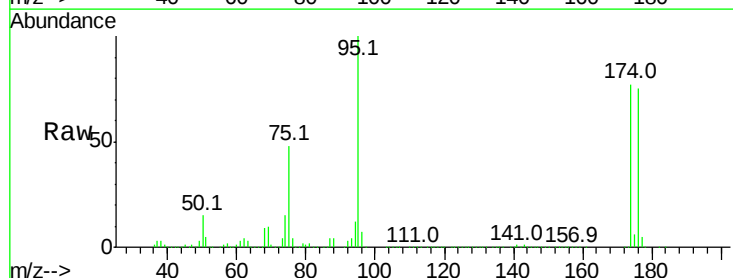
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

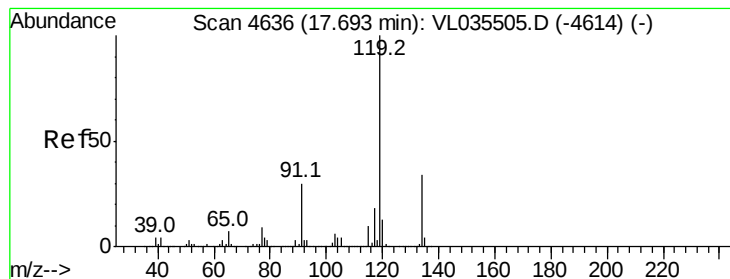
Tgt Ion: 105 Resp: 8391423
 Ion Ratio Lower Upper
 105 100
 134 23.1 19.1 28.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.133 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Tgt Ion: 95 Resp: 3703058
 Ion Ratio Lower Upper
 95 100
 174 77.7 69.6 104.4
 175 5.6 5.1 7.7





#69

p-Isopropyltoluene

Concen: 7.446 ppbv

RT: 17.67 min Scan# 4630

Delta R.T. 0.00 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

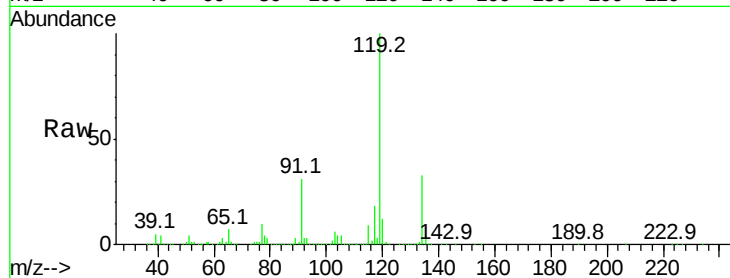
Tgt Ion: 119 Resp: 7230098

Ion Ratio Lower Upper

119 100

134 30.5 25.0 37.4

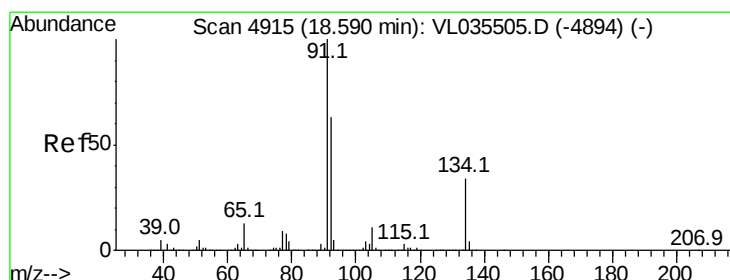
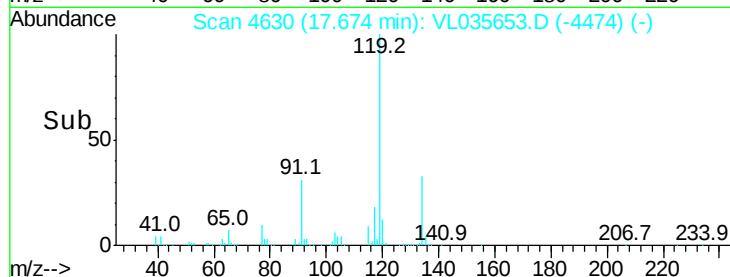
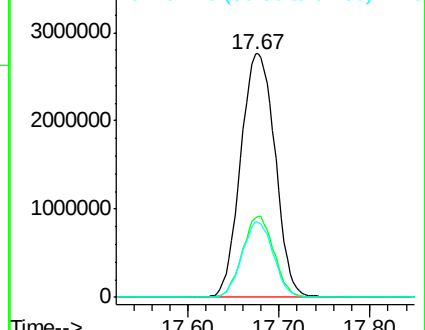
91 28.3 22.3 33.5



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 7.485 ppbv

RT: 18.57 min Scan# 4910

Delta R.T. 0.00 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

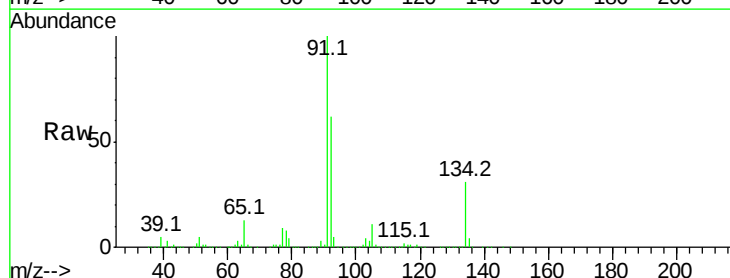
Tgt Ion: 91 Resp: 7000959

Ion Ratio Lower Upper

91 100

92 58.9 47.3 70.9

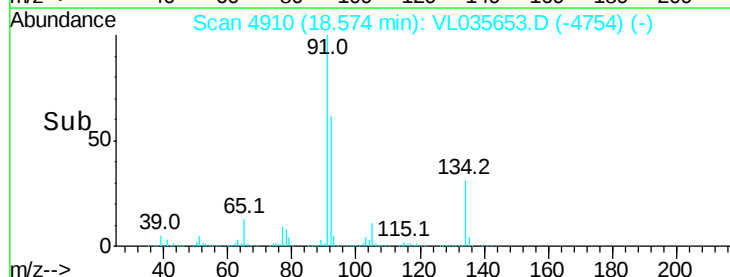
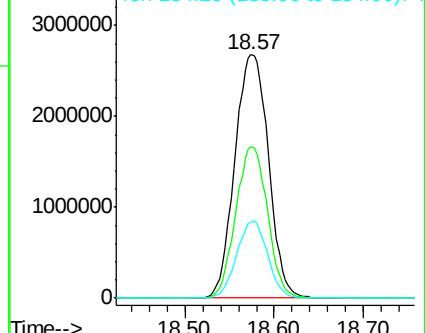
134 29.3 24.6 37.0

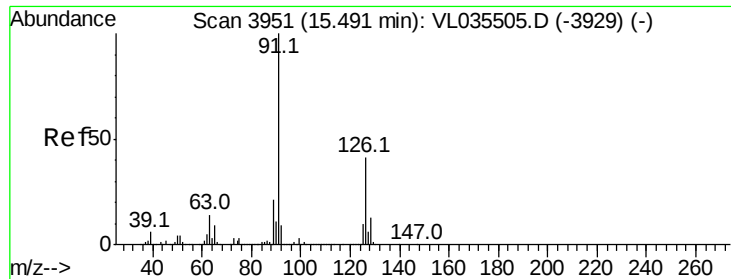


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

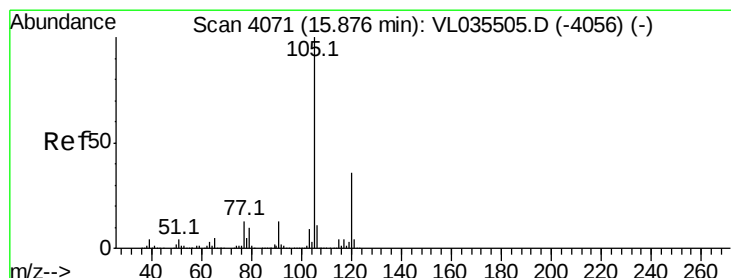
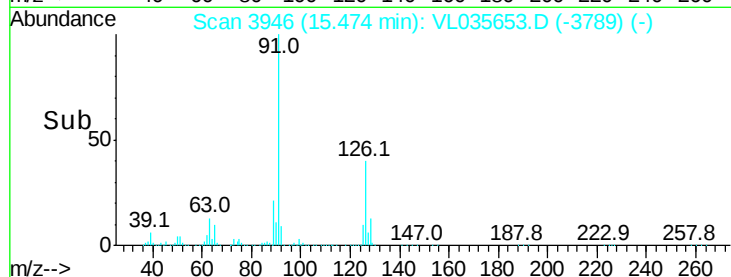
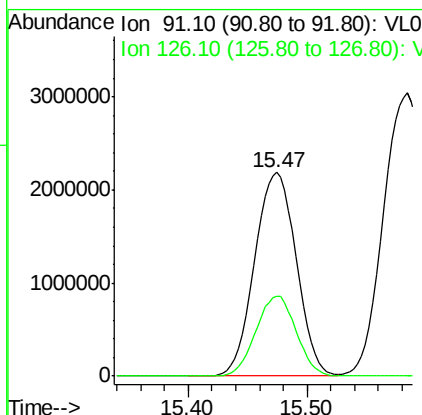
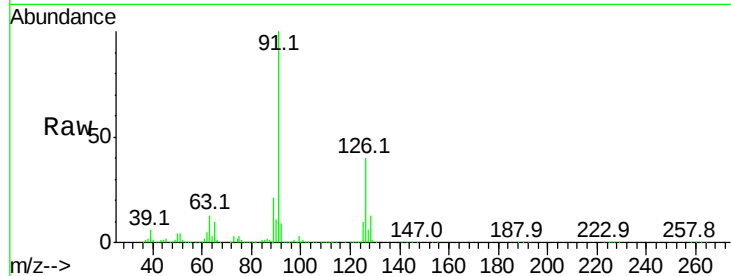




#71
2-Chlorotoluene
Concen: 8.135 ppbv
RT: 15.47 min Scan# 3946
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

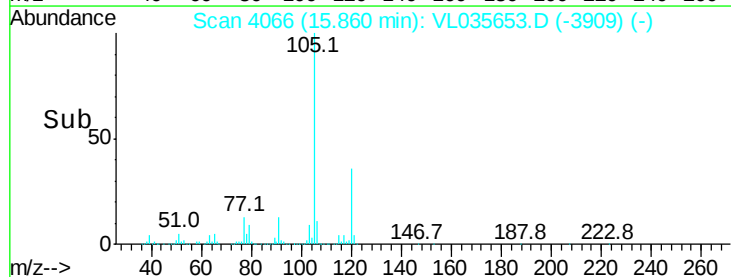
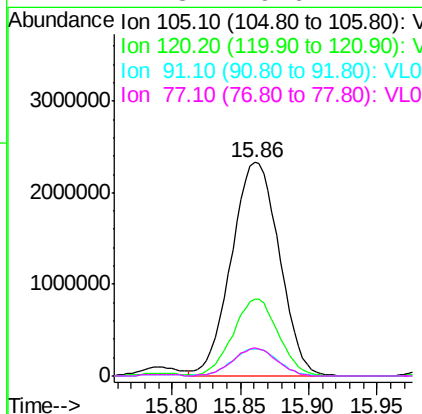
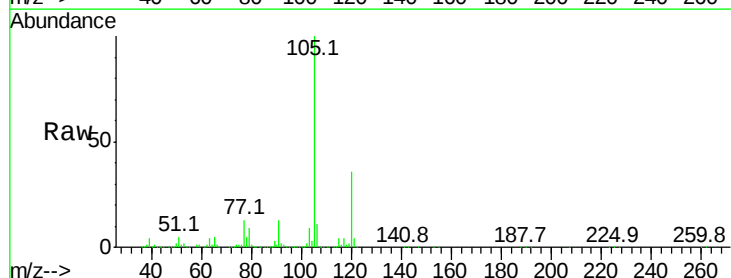
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

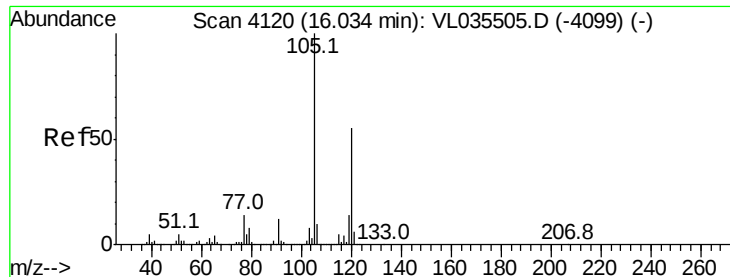
Tgt Ion: 91 Resp: 5295267
Ion Ratio Lower Upper
91 100
126 38.2 15.6 62.6



#72
4-Ethyltoluene
Concen: 8.010 ppbv
RT: 15.86 min Scan# 4066
Delta R.T. 0.01 min
Lab File: VL035653.D
Acq: 17 Sep 2020 9:25

Tgt Ion: 105 Resp: 5666163
Ion Ratio Lower Upper
105 100
120 34.0 27.4 41.2
91 12.2 9.7 14.5
77 12.3 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 8.065 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

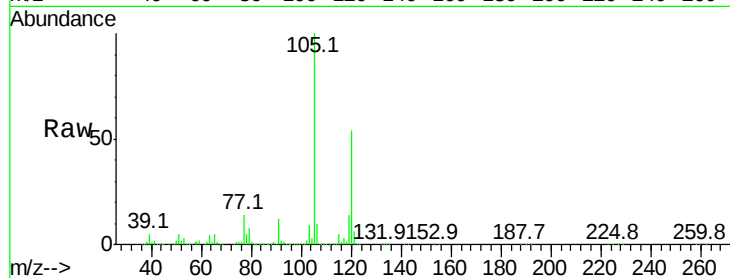
VSTDCCC010EC

Tgt Ion:105 Resp: 5276639

Ion Ratio Lower Upper

105 100

120 53.7 44.2 66.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

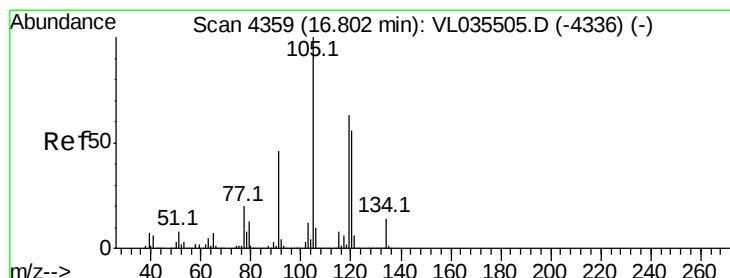
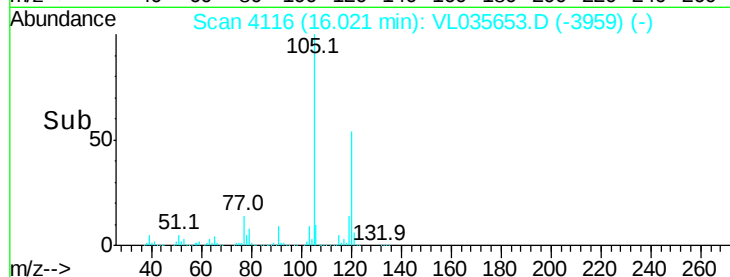
1000000

500000

0

15.90 16.02 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.498 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Tgt Ion:105 Resp: 5387274

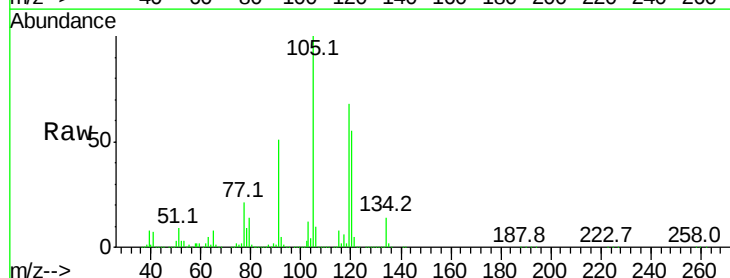
Ion Ratio Lower Upper

105 100

120 54.7 44.4 66.6

91 51.4 37.1 55.7

77 20.8 16.0 24.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

3000000

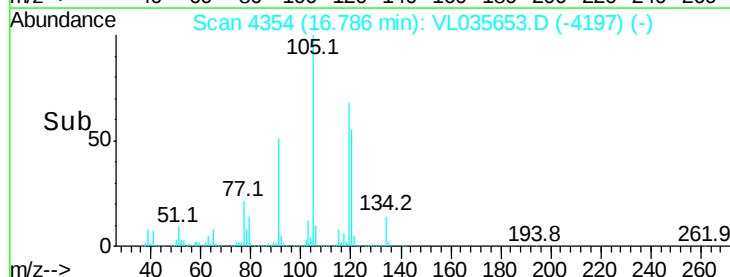
2000000

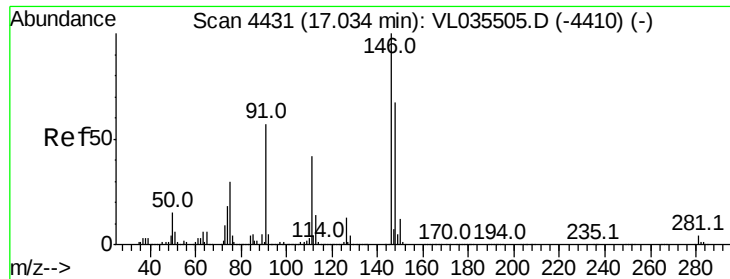
1000000

0

16.70 16.79 16.90

Time-->

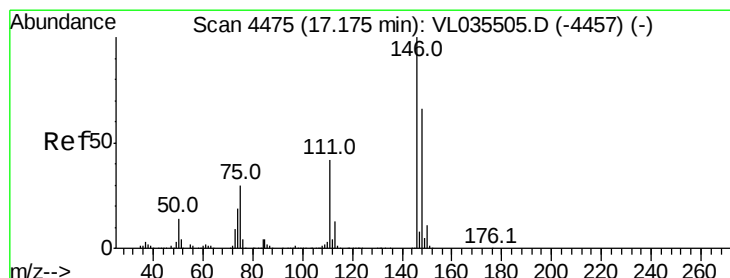
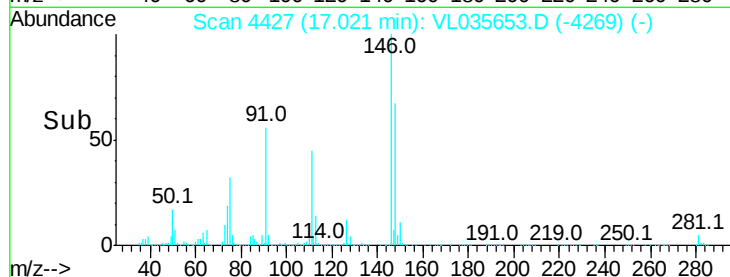
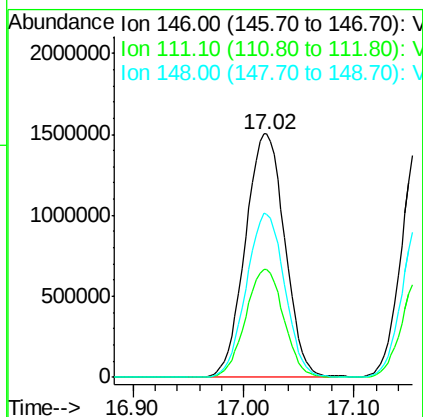
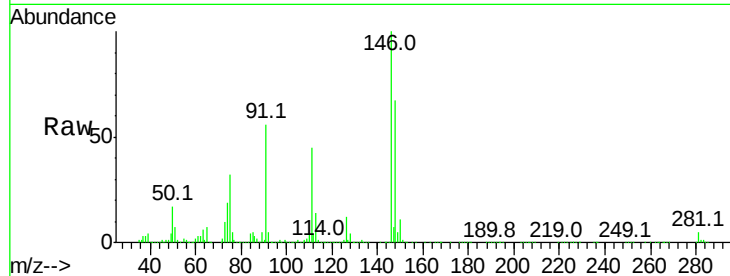




#75
 1,3-Dichlorobenzene
 Concen: 6.988 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

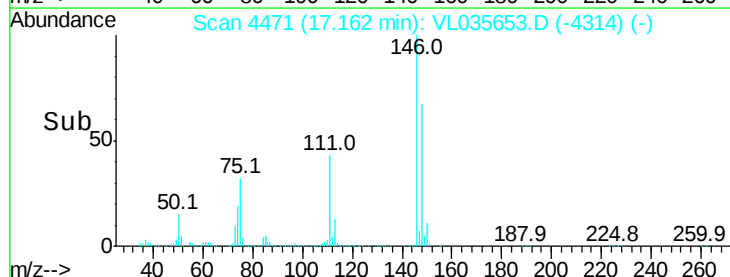
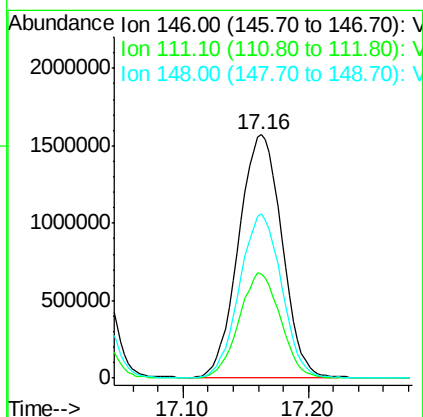
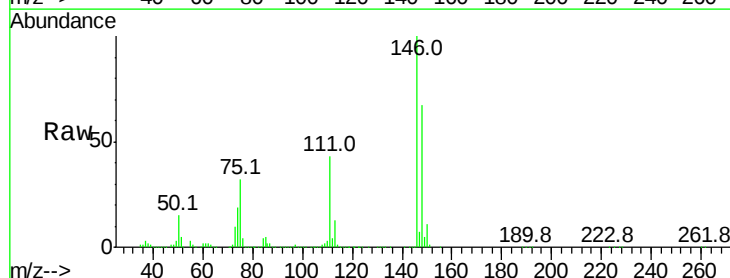
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

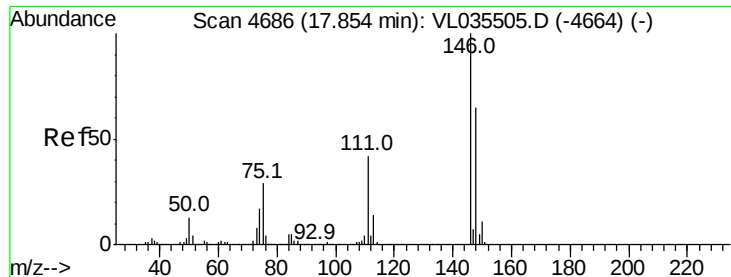
Tgt Ion:146 Resp: 3719324
 Ion Ratio Lower Upper
 146 100
 111 43.1 20.7 62.1
 148 65.9 33.0 98.9



#76
 1,4-Dichlorobenzene
 Concen: 7.140 ppbv
 RT: 17.16 min Scan# 4471
 Delta R.T. 0.01 min
 Lab File: VL035653.D
 Acq: 17 Sep 2020 9:25

Tgt Ion:146 Resp: 3747871
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.0 60.0
 148 66.3 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 7.148 ppbv

RT: 17.84 min Scan# 4682

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

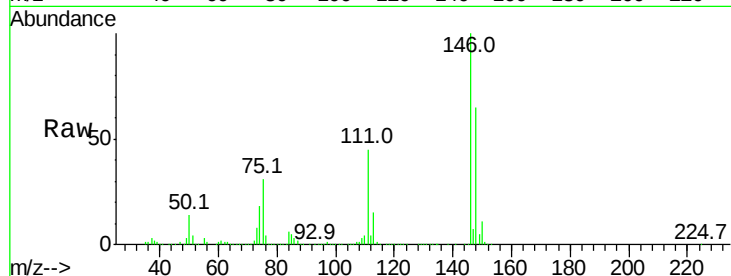
Tgt Ion:146 Resp: 3685636

Ion Ratio Lower Upper

146 100

111 44.2 21.1 63.3

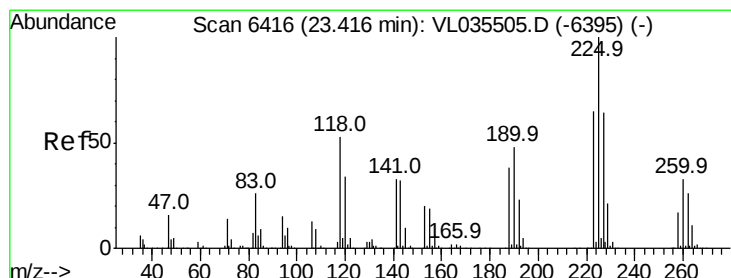
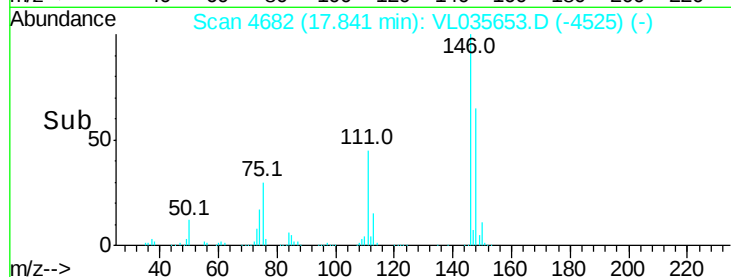
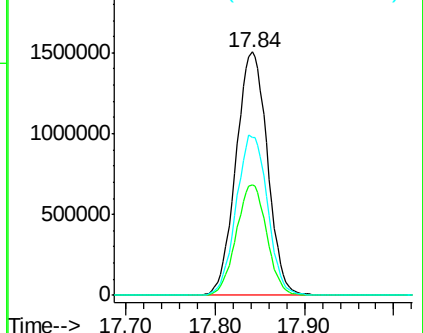
148 65.5 32.9 98.7



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: 5.877 ppbv

RT: 23.40 min Scan# 6412

Delta R.T. 0.01 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

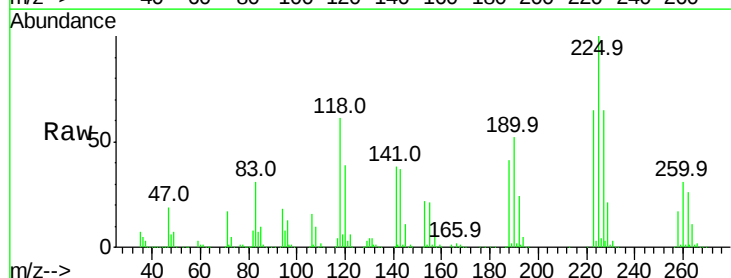
Tgt Ion:225 Resp: 1934850

Ion Ratio Lower Upper

225 100

223 64.2 51.7 77.5

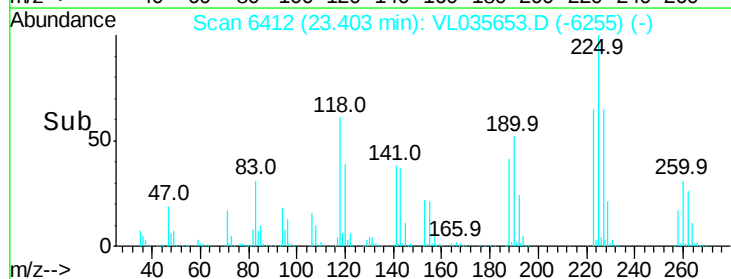
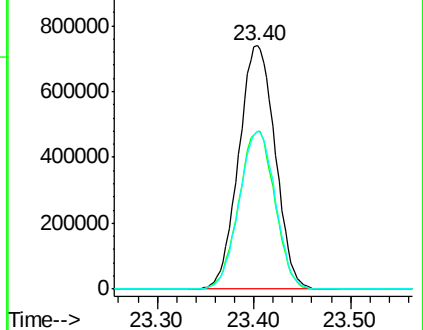
227 64.3 51.5 77.3

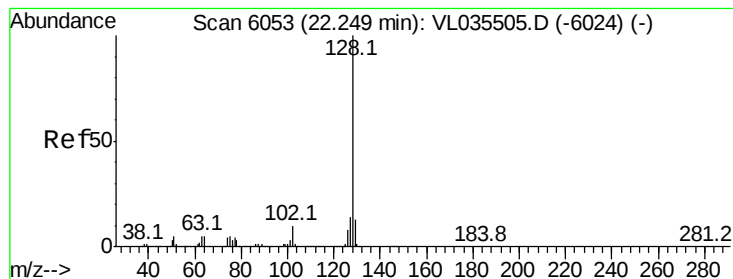


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.396 ppbv

RT: 22.23 min Scan# 6046

Delta R.T. 0.00 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

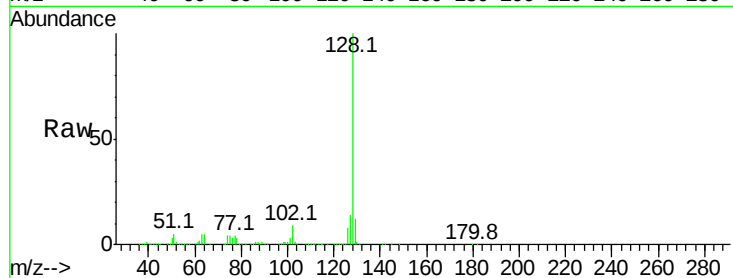
Tgt Ion:128 Resp: 5896537

Ion Ratio Lower Upper

128 100

127 13.8 11.4 17.2

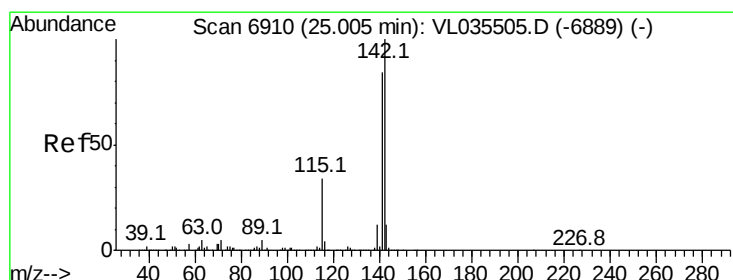
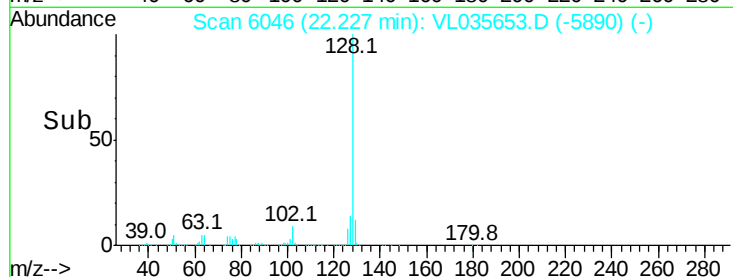
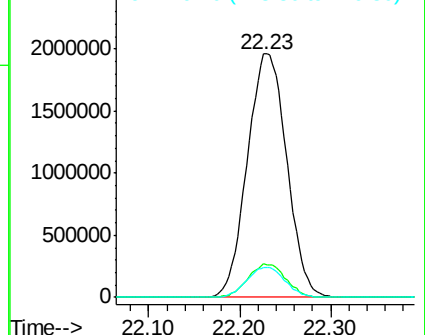
129 12.3 10.5 15.7



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: 6.453 ppbv

RT: 24.99 min Scan# 6907

Delta R.T. 0.00 min

Lab File: VL035653.D

Acq: 17 Sep 2020 9:25

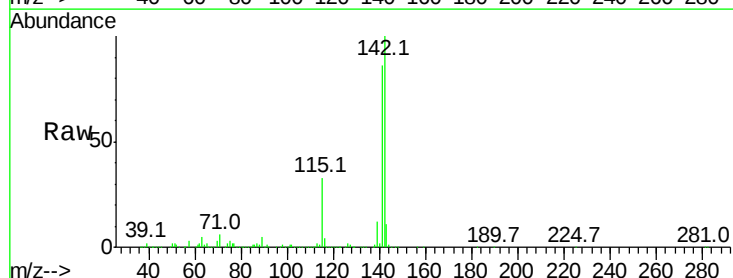
Tgt Ion:142 Resp: 1756135

Ion Ratio Lower Upper

142 100

141 83.6 67.6 101.4

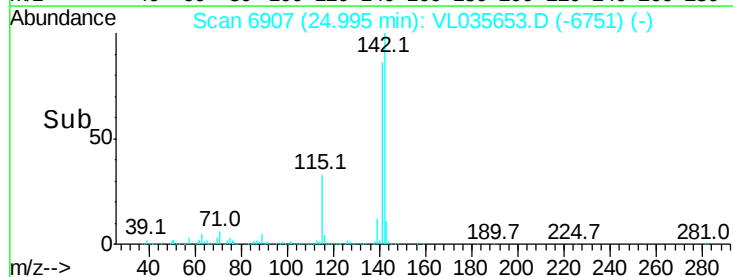
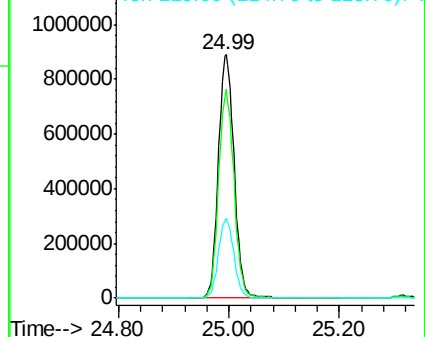
115 32.2 25.8 38.8

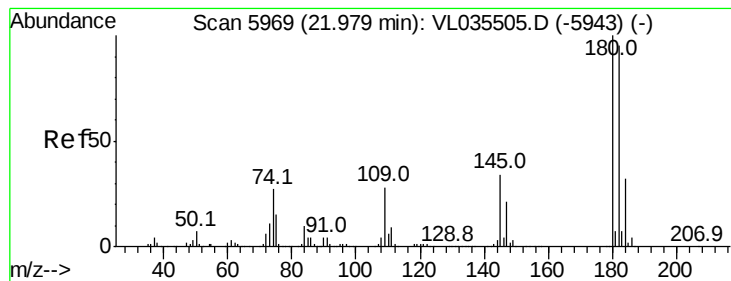


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 6.491 ppbv

RT: 21.96 min Scan# 5963

Delta R.T. 0.01 min

Lab File: VL035653.D

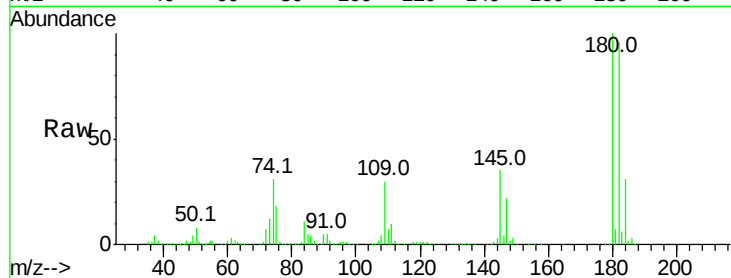
Acq: 17 Sep 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



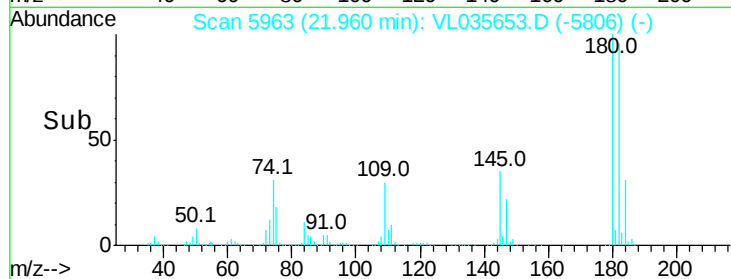
Tgt Ion:180 Resp: 3098997

Ion Ratio Lower Upper

180 100

182 95.6 76.3 114.5

184 31.1 25.3 37.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

