

Data File : VL035680.D
Acq On : 18 Sep 2020 11:08
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Sep 18 14:47:53 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	1049409	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4225485	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5308169	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3074485	8.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1356526	7.459	ppbv	98
3) Chlorodifluoromethane	2.98	51	1142613	9.845	ppbv	100
4) Chloromethane	3.13	50	613217	9.862	ppbv	98
5) Vinyl Chloride	3.25	62	728445	9.502	ppbv	99
6) Bromomethane	3.47	94	631782	9.812	ppbv	99
7) Chloroethane	3.55	64	275683	10.171	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2030448	9.219	ppbv	93
9) Propene	3.00	41	433107	9.680	ppbv	99
10) Heptane	8.13	43	1263646	10.514	ppbv	99
11) Trichlorofluoromethane	3.95	101	2505125	9.446	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1899415	9.489	ppbv	93
13) Ethanol	3.60	45	101656	9.163	ppbv	97
14) Bromoethene	3.74	108	836813	9.712	ppbv	100
15) Acetone	3.85	43	989312	8.548	ppbv	99
16) 1,3-Butadiene	3.32	39	450712	10.461	ppbv	99
17) tert-Butyl alcohol	4.29	59	1319742	9.368	ppbv	100
18) 1,1-Dichloroethene	4.29	96	879179	9.974	ppbv	96
19) Isopropyl Alcohol	3.97	45	652378	9.448	ppbv	# 97
20) Methylene Chloride	4.34	84	759058	8.805	ppbv	97
21) Allyl Chloride	4.41	41	600754	11.079	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	925709	9.865	ppbv	94
23) Vinyl Acetate	5.08	43	1554863	10.467	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1538343	10.063	ppbv	99
25) Ethyl Acetate	5.68	43	2087223	10.208	ppbv	99
26) Hexane	5.69	57	1184057	10.220	ppbv	100
27) Carbon Disulfide	4.55	76	1893597	11.390	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2017496	9.992	ppbv	99
29) Chloroform	5.76	83	2339568	9.911	ppbv	99
30) Cyclohexane	7.14	84	1287662	10.375	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1237345	10.410	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	2266037	9.896	ppbv	98
34) 2-Butanone	5.25	43	1409464	11.240	ppbv	98
35) Carbon Tetrachloride	7.03	117	2362035	11.122	ppbv	99
36) Benzene	6.90	78	2952889	10.796	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1433380	10.992	ppbv	99
38) Trichloroethene	7.84	130	1519001	9.561	ppbv	95
39) 1,2-Dichloropropane	7.62	63	1018411	11.022	ppbv	99
40) 1,4-Dioxane	7.84	88	495688	10.739	ppbv	76
41) Tetrahydrofuran	6.05	42	801910	12.059	ppbv	98
42) Bromodichloromethane	7.80	83	2435800	11.551	ppbv	99
43) Methyl Methacrylate	8.02	69	1247642	11.796	ppbv	97

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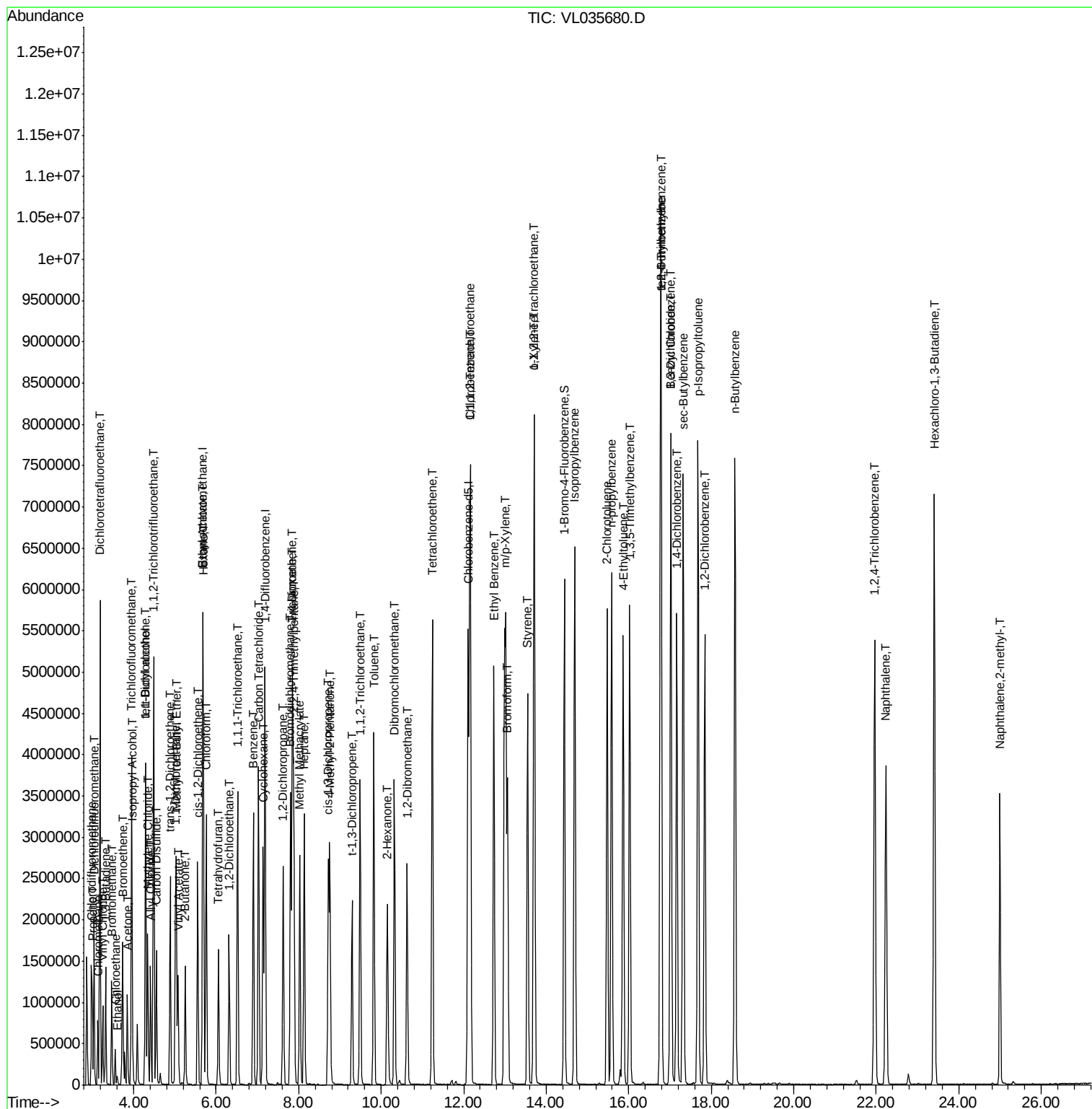
Quant Time: Sep 18 14:47:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
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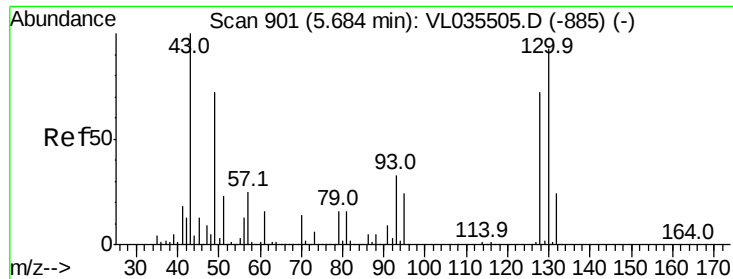
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3941559	10.952	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1408609	13.147	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1660561	12.483	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1449064	10.628	ppbv	98
48) Dibromochloromethane	10.32	129	2442767	11.384	ppbv	100
49) Bromoform	13.06	173	2197736	11.301	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2099627	11.563	ppbv	99
51) 2-Hexanone	10.15	43	1787195	11.998	ppbv #	98
52) Tetrachloroethene	11.24	164	1557248	9.746	ppbv	97
53) Toluene	9.82	91	3742831	10.881	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2294935	10.653	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1895154	8.774	ppbv	100
57) Chlorobenzene	12.17	112	3187845	8.160	ppbv	97
58) Ethyl Benzene	12.73	91	4893932	8.941	ppbv	98
59) m/p-Xylene	13.02	91	4521302	9.885	ppbv #	46
60) o-Xylene	13.72	91	4079511	8.856	ppbv	98
61) Styrene	13.55	104	3244624	9.209	ppbv	98
62) Isopropylbenzene	14.69	105	6176842	8.347	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	2960185	8.288	ppbv	100
64) n-propylbenzene	15.59	120	1921201	8.507	ppbv	89
65) tert-Butylbenzene	16.77	119	5776265	8.397	ppbv	96
66) Benzyl Chloride	17.02	91	2208989	12.921	ppbv	96
67) sec-Butylbenzene	17.32	105	7716212	8.420	ppbv	96
69) p-Isopropyltoluene	17.68	119	6634539	8.253	ppbv	98
70) n-Butylbenzene	18.58	91	6630796	8.563	ppbv	97
71) 2-Chlorotoluene	15.48	91	4756800	8.827	ppbv	95
72) 4-Ethyltoluene	15.86	105	5125795	8.752	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	4746313	8.762	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	4968623	8.353	ppbv	96
75) 1,3-Dichlorobenzene	17.02	146	3352820	7.609	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	3377044	7.771	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	3286424	7.698	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	1912504	7.017	ppbv	100
79) Naphthalene	22.24	128	5561603	8.426	ppbv	98
80) Naphthalene,2-methyl-	25.00	142	2116322	9.394	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	2871584	7.265	ppbv	99

(#) = 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: 5.67 min Scan# 897

Delta R.T. 0.01 min

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VSTDCCC010EC

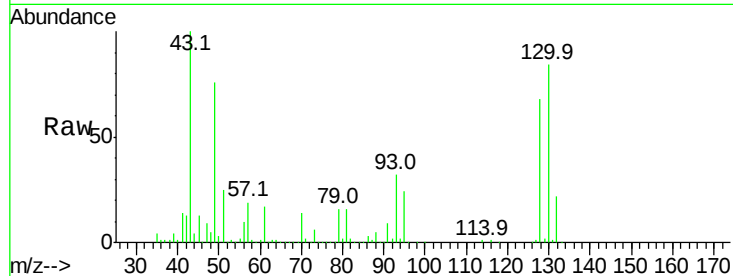
Tgt Ion: 49 Resp: 1049409

Ion Ratio Lower Upper

49 100

128 88.3 50.0 150.1

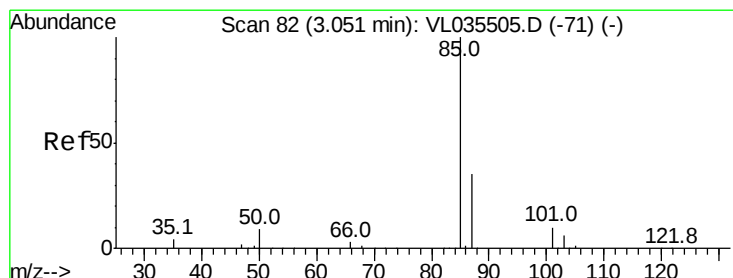
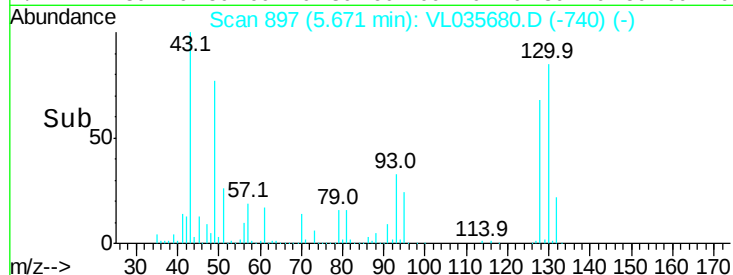
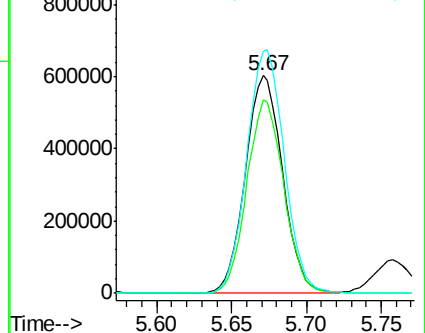
130 113.1 64.4 193.2



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: 7.459 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.01 min

Lab File: VL035680.D

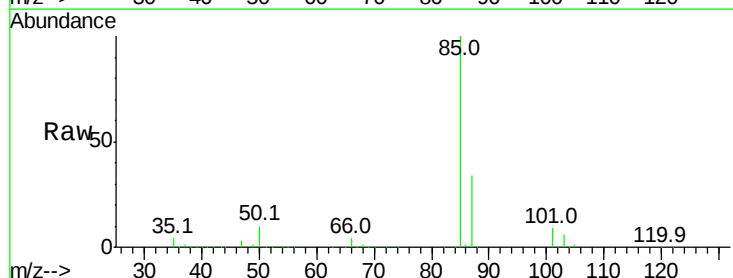
Acq: 18 Sep 2020 11:08

Tgt Ion: 85 Resp: 1356526

Ion Ratio Lower Upper

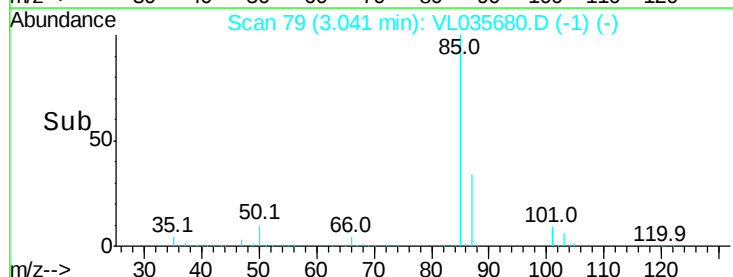
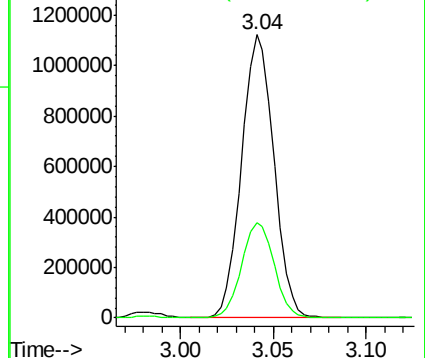
85 100

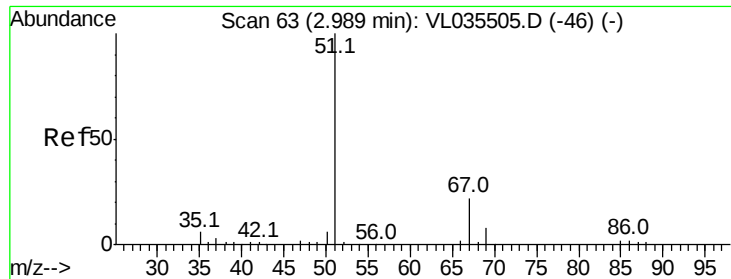
87 33.7 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

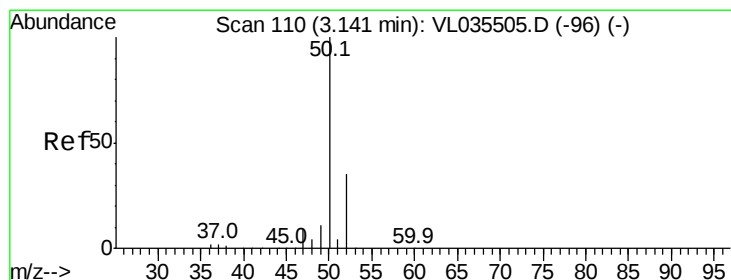
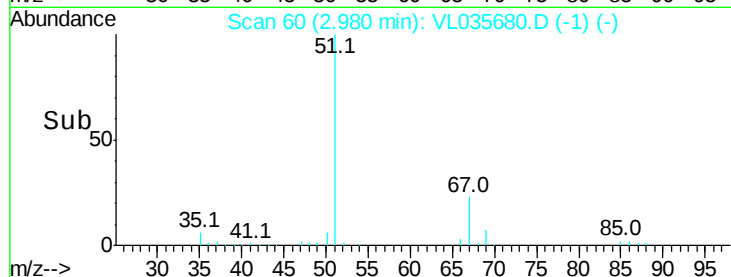
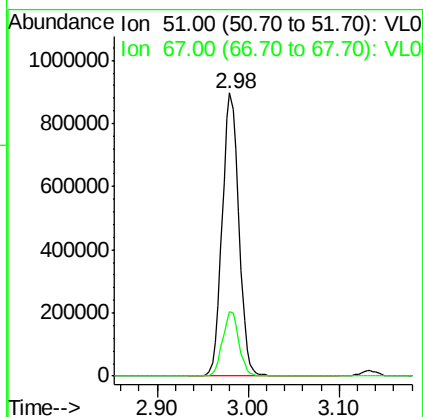
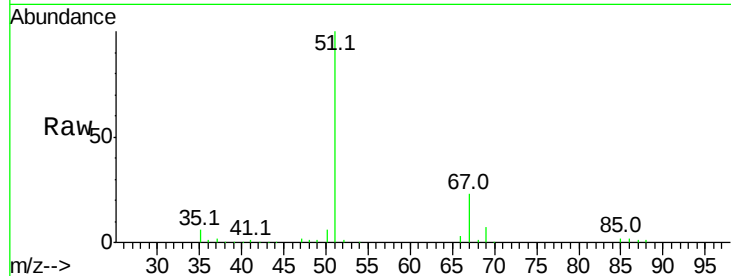




#3
 Chlorodifluoromethane
 Concen: 9.845 ppbv
 RT: 2.98 min Scan# 60
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

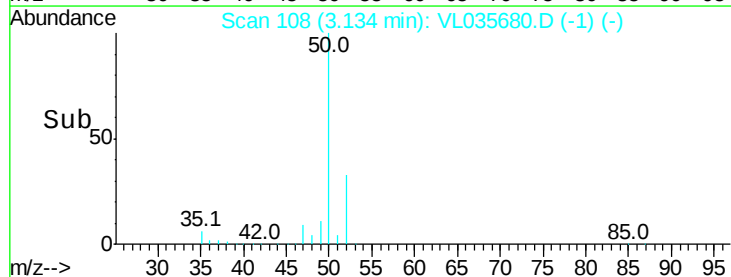
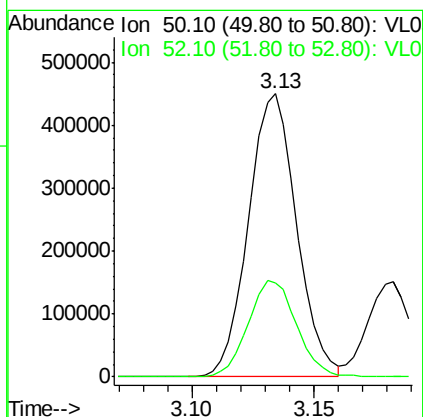
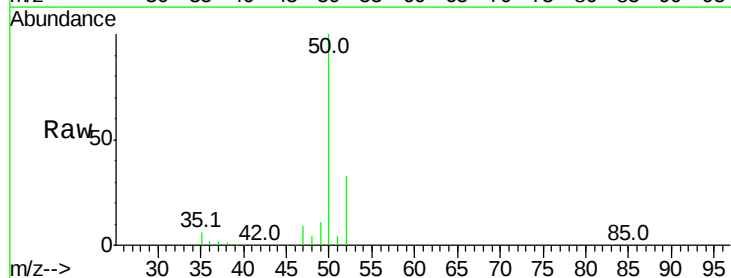
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

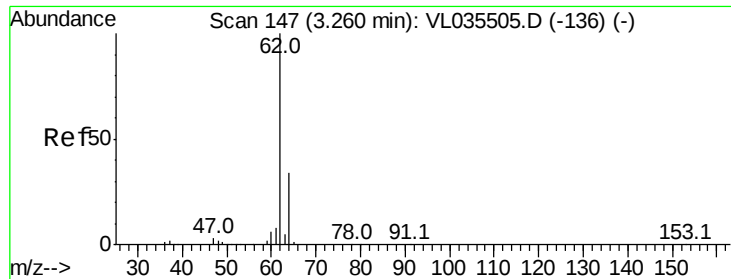
Tgt Ion: 51 Resp: 1142613
 Ion Ratio Lower Upper
 51 100
 67 22.2 17.8 26.8



#4
 Chloromethane
 Concen: 9.862 ppbv
 RT: 3.13 min Scan# 108
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Tgt Ion: 50 Resp: 613217
 Ion Ratio Lower Upper
 50 100
 52 33.2 27.7 41.5





#5

Vinyl Chloride

Concen: 9.502 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

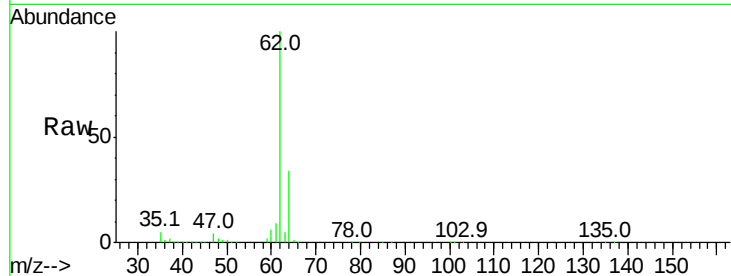
VSTDCCC010EC

Tgt Ion: 62 Resp: 728445

Ion Ratio Lower Upper

62 100

64 33.6 27.4 41.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

600000

500000

400000

300000

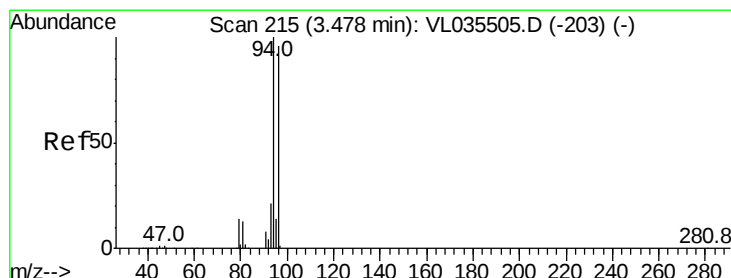
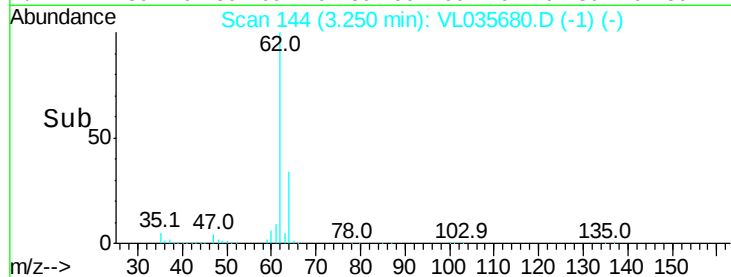
200000

100000

0

Time-->

3.20 3.25 3.30



#6

Bromomethane

Concen: 9.812 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.01 min

Lab File: VL035680.D

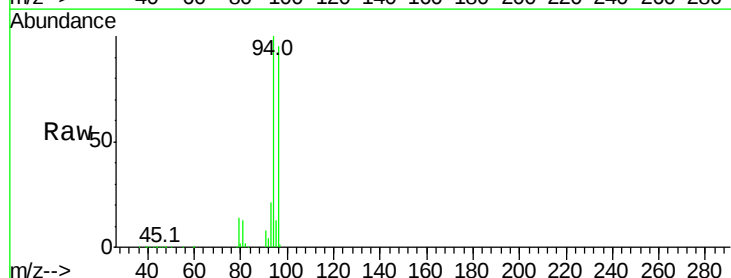
Acq: 18 Sep 2020 11:08

Tgt Ion: 94 Resp: 631782

Ion Ratio Lower Upper

94 100

96 95.1 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

500000

400000

300000

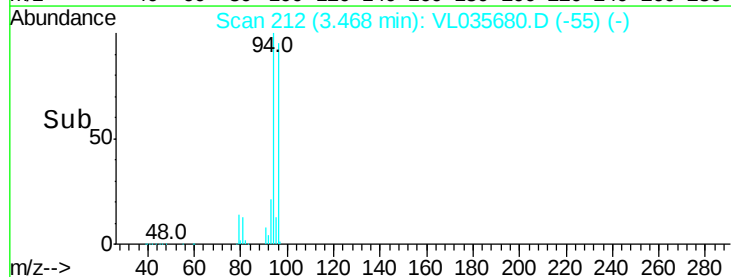
200000

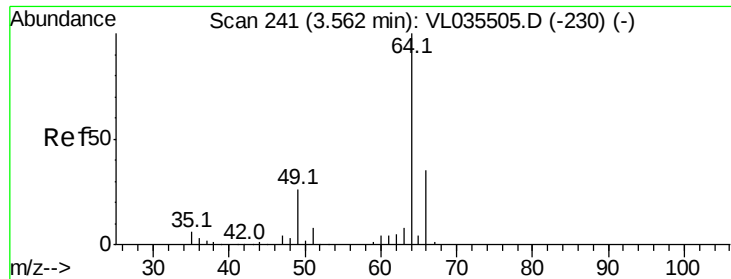
100000

0

Time-->

3.40 3.45 3.50





#7

Chloroethane

Concen: 10.171 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

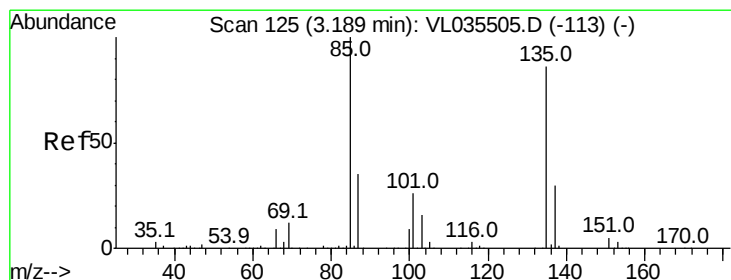
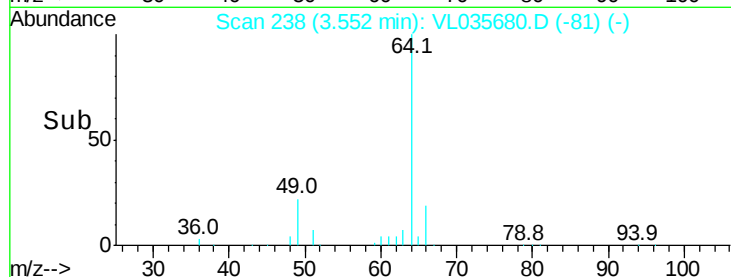
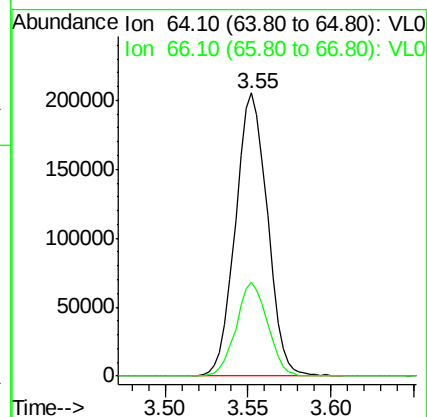
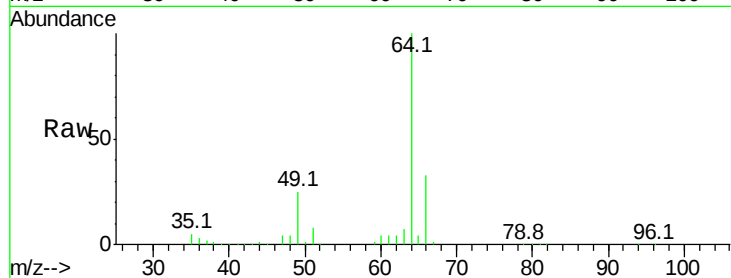
VSTDCCC010EC

Tgt Ion: 64 Resp: 275683

Ion Ratio Lower Upper

64 100

66 33.3 27.7 41.5



#8

Dichlorotetrafluoroethane

Concen: 9.219 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL035680.D

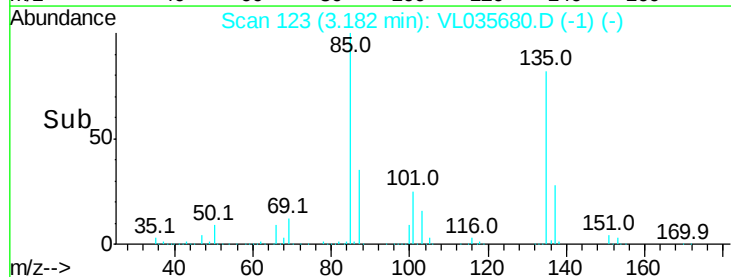
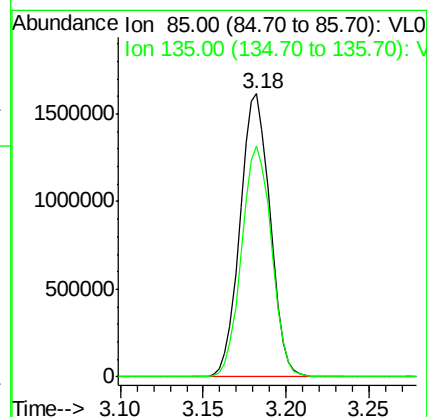
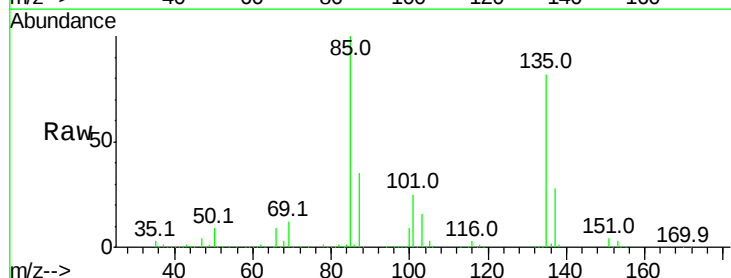
Acq: 18 Sep 2020 11:08

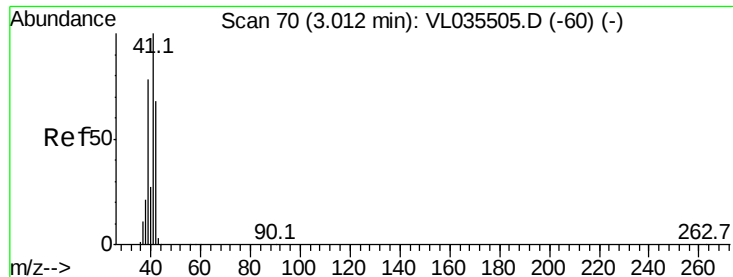
Tgt Ion: 85 Resp: 2030448

Ion Ratio Lower Upper

85 100

135 81.6 70.4 105.6





#9

Propene

Concen: 9.680 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

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ClientSampleId :

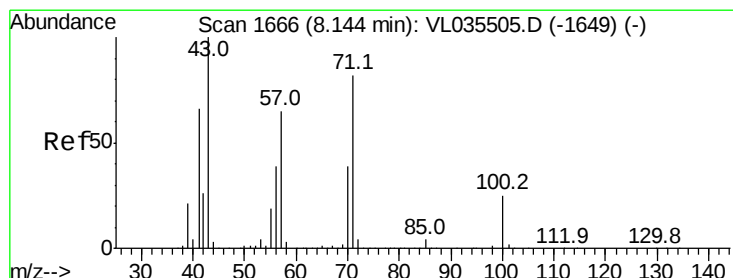
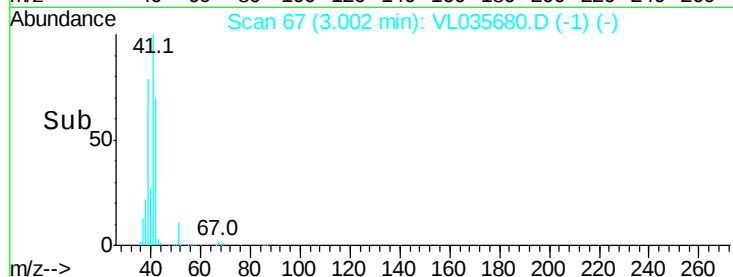
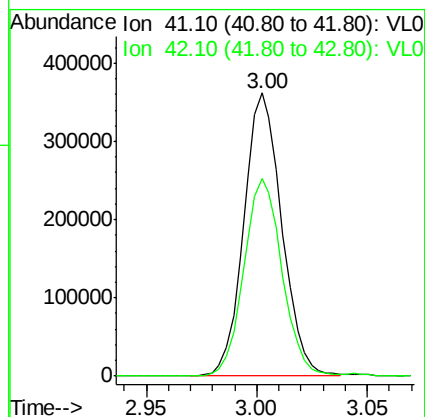
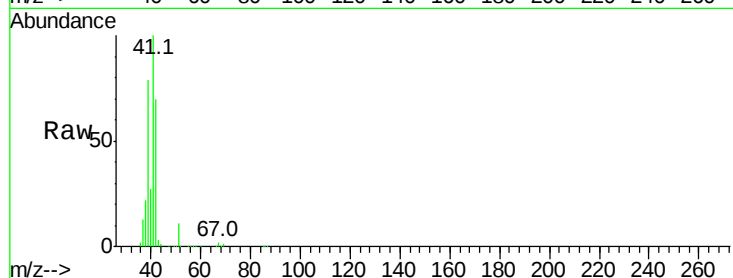
VSTDCCC010EC

Tgt Ion: 41 Resp: 433107

Ion Ratio Lower Upper

41 100

42 70.8 56.3 84.5



#10

Heptane

Concen: 10.514 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.01 min

Lab File: VL035680.D

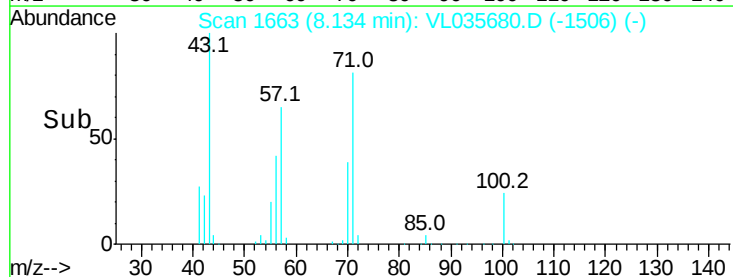
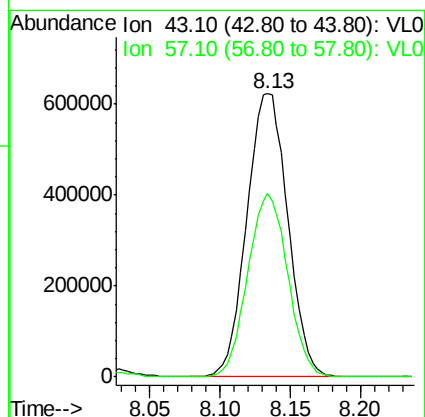
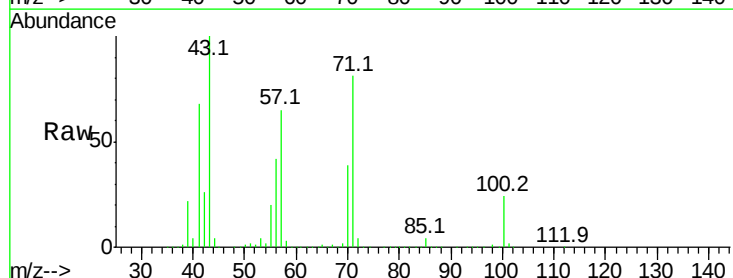
Acq: 18 Sep 2020 11:08

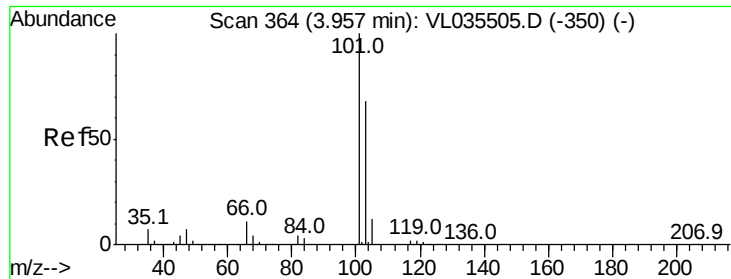
Tgt Ion: 43 Resp: 1263646

Ion Ratio Lower Upper

43 100

57 63.5 51.4 77.0





#11

Trichlorofluoromethane

Concen: 9.446 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

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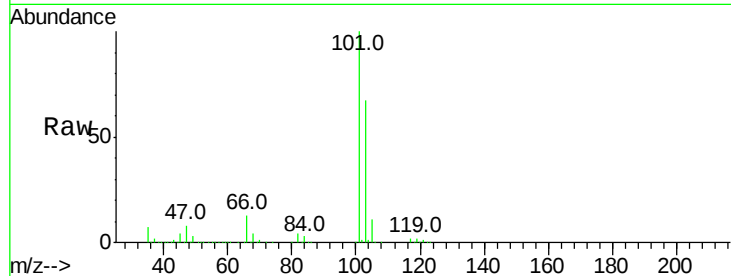
VSTDCCC010EC

Tgt Ion:101 Resp: 2505125

Ion Ratio Lower Upper

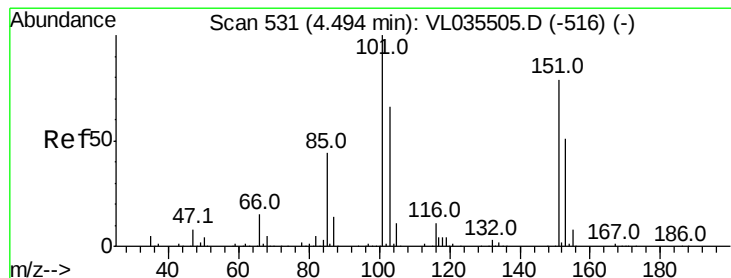
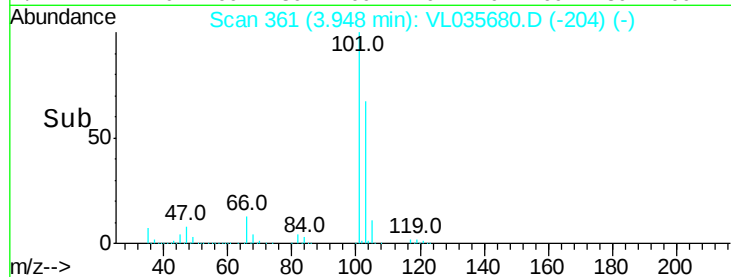
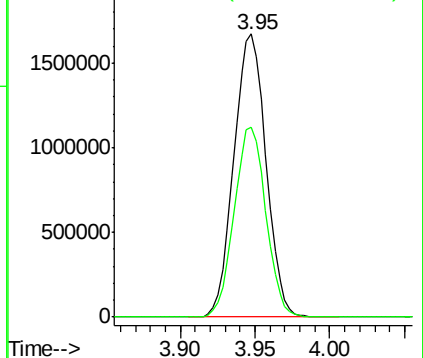
101 100

103 67.1 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: 9.489 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.01 min

Lab File: VL035680.D

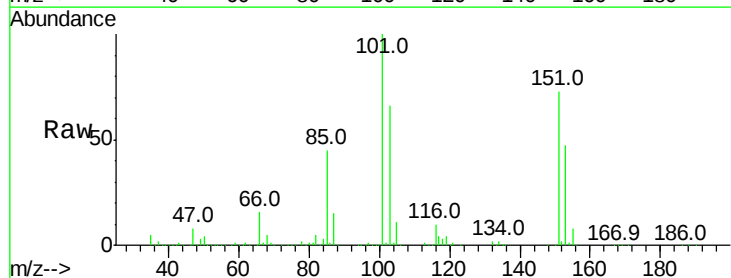
Acq: 18 Sep 2020 11:08

Tgt Ion:101 Resp: 1899415

Ion Ratio Lower Upper

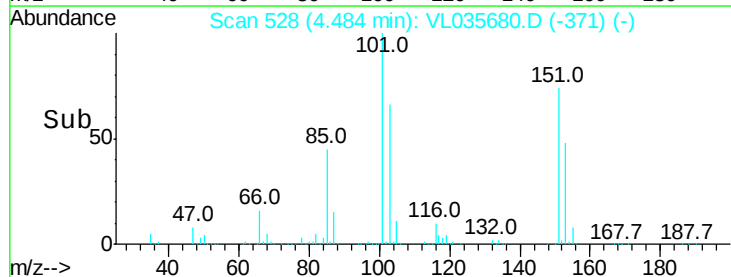
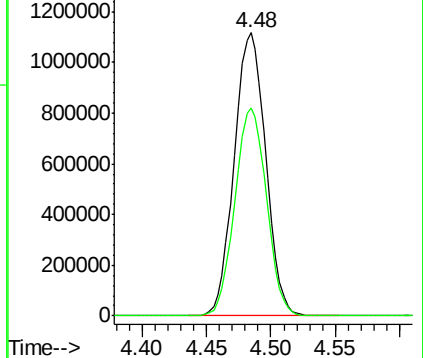
101 100

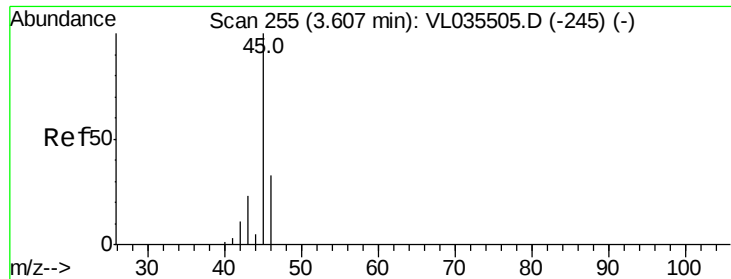
151 73.7 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.163 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

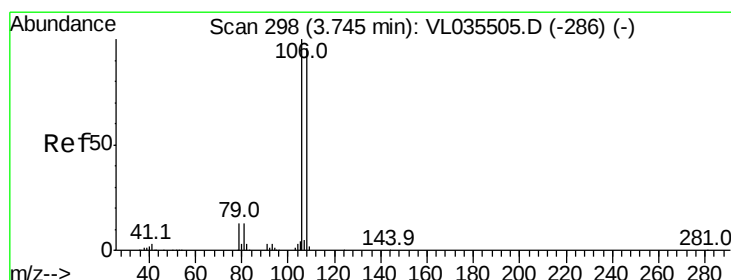
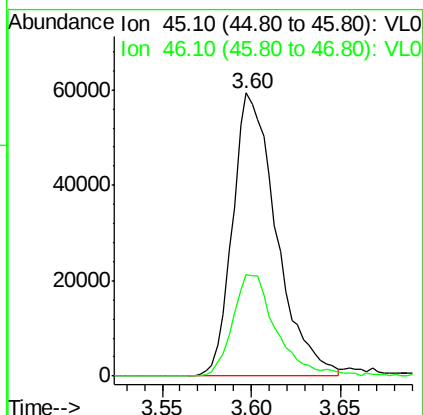
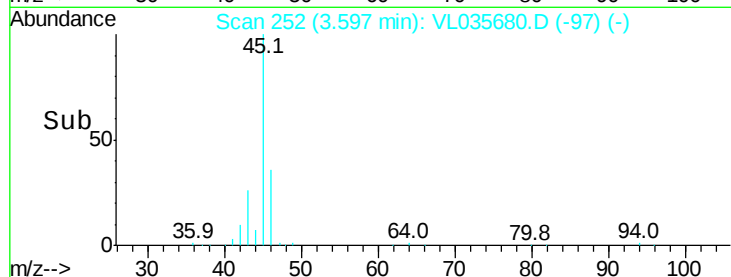
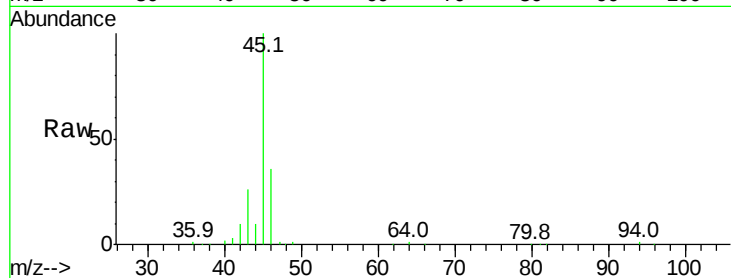
VSTDCCC010EC

Tgt Ion: 45 Resp: 101656

Ion Ratio Lower Upper

45 100

46 35.9 15.2 60.6



#14

Bromoethene

Concen: 9.712 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

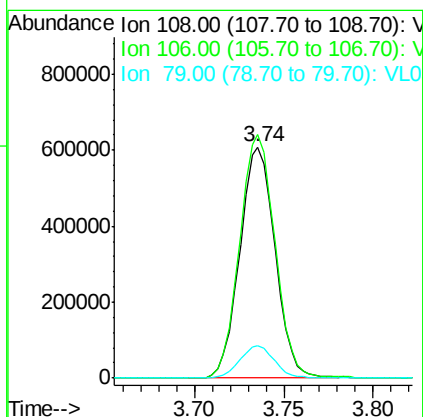
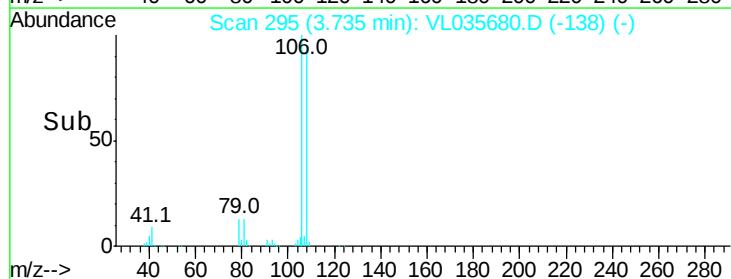
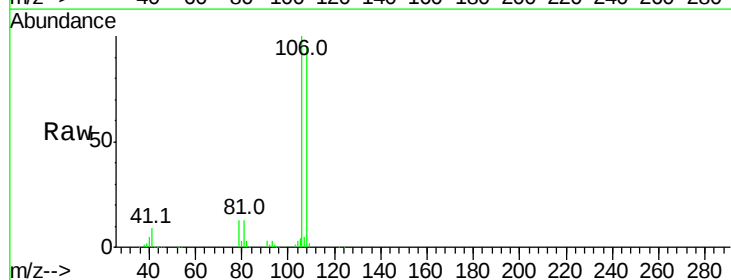
Tgt Ion: 108 Resp: 836813

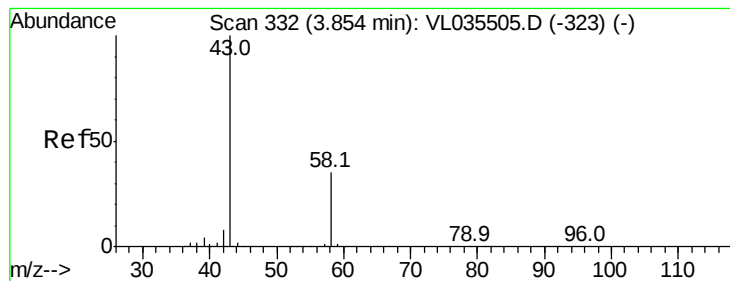
Ion Ratio Lower Upper

108 100

106 106.2 84.9 127.3

79 14.1 10.8 16.2





#15

Acetone

Concen: 8.548 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

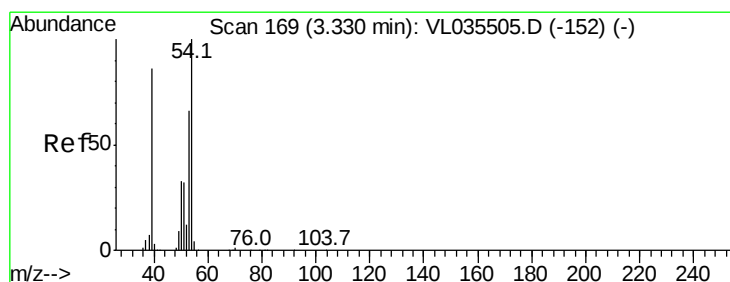
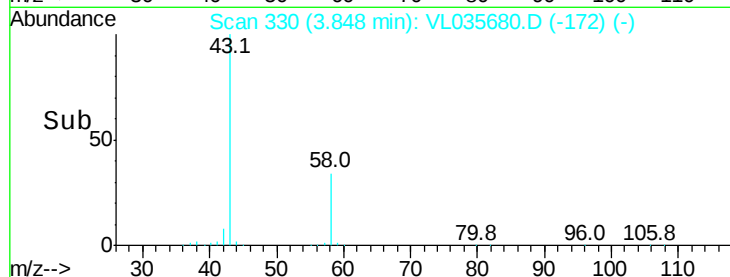
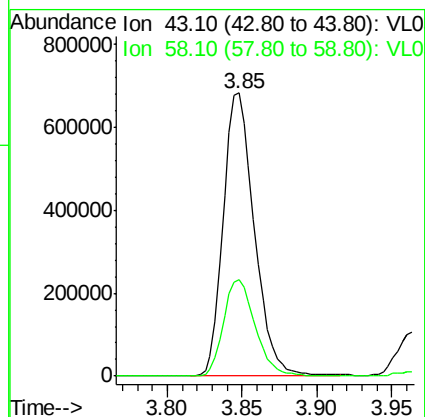
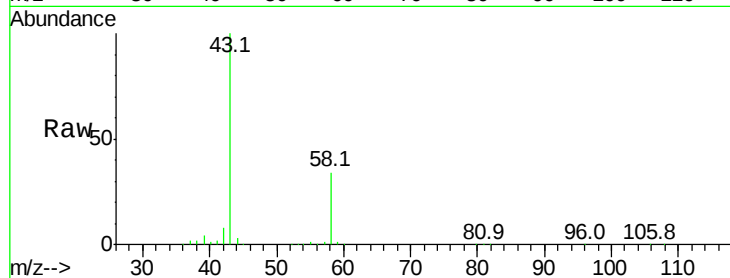
VSTDCCC010EC

Tgt Ion: 43 Resp: 989312

Ion Ratio Lower Upper

43 100

58 34.9 28.4 42.6



#16

1,3-Butadiene

Concen: 10.461 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL035680.D

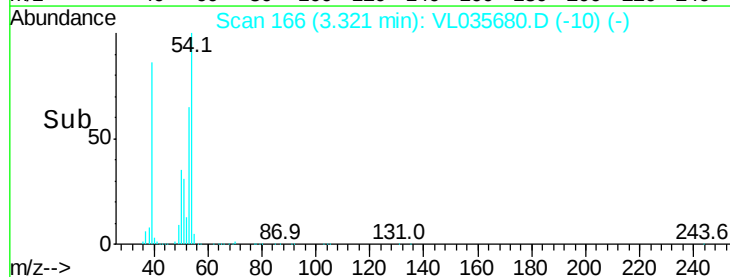
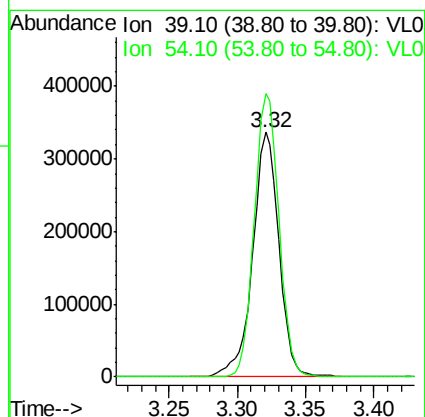
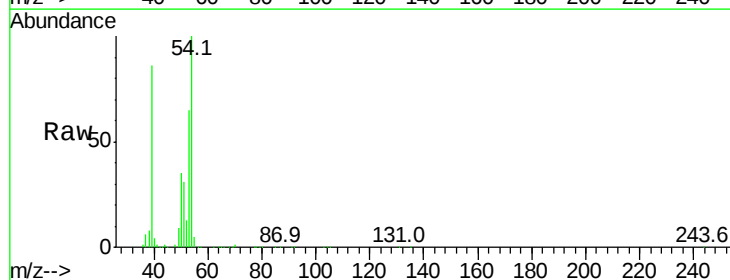
Acq: 18 Sep 2020 11:08

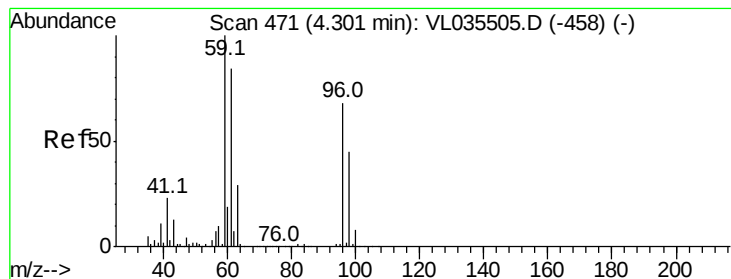
Tgt Ion: 39 Resp: 450712

Ion Ratio Lower Upper

39 100

54 109.5 88.4 132.6





#17

tert-Butyl alcohol

Concen: 9.368 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

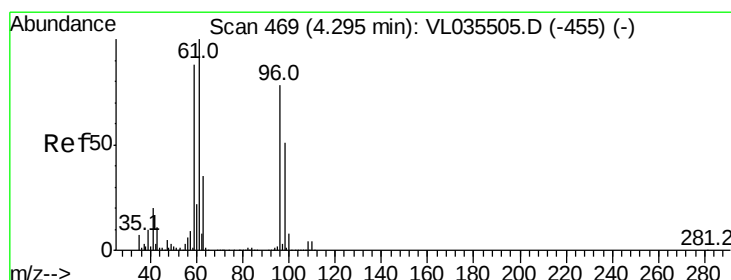
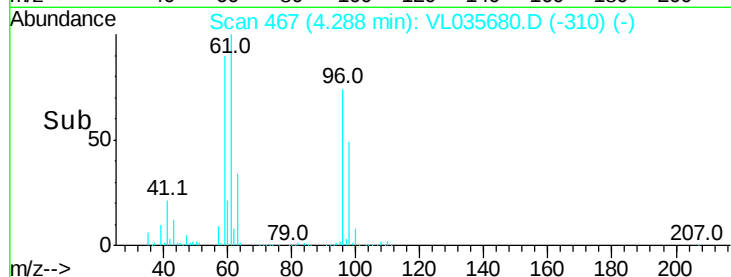
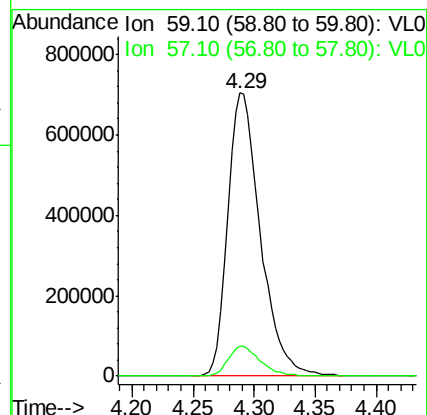
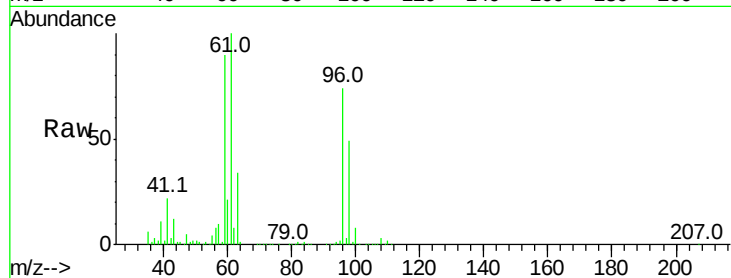
VSTDCCC010EC

Tgt Ion: 59 Resp: 1319742

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



#18

1,1-Dichloroethene

Concen: 9.974 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

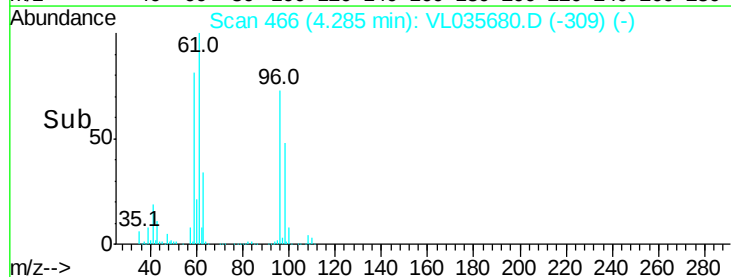
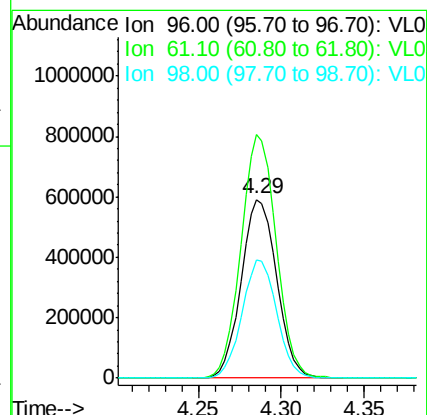
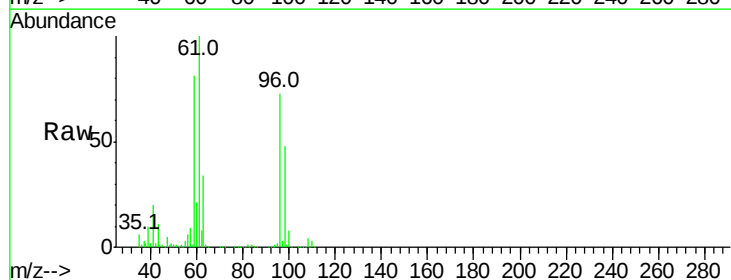
Tgt Ion: 96 Resp: 879179

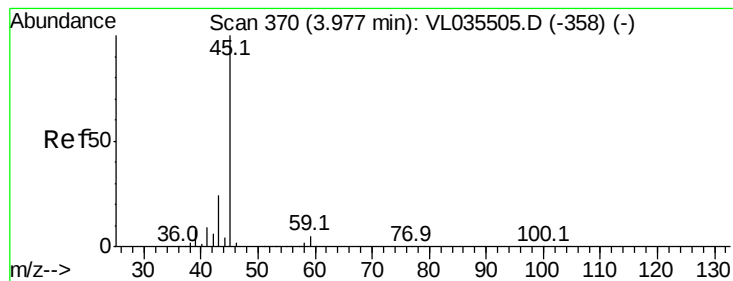
Ion Ratio Lower Upper

96 100

61 136.5 103.0 154.6

98 66.0 52.8 79.2





#19

Isopropyl Alcohol

Concen: 9.448 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

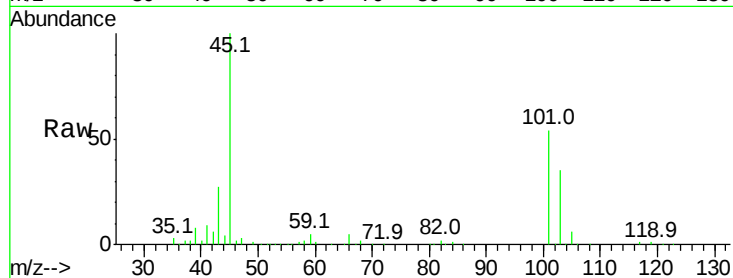
VSTDCCC010EC

Tgt Ion: 45 Resp: 652378

Ion Ratio Lower Upper

45 100

58 3.4 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

400000

300000

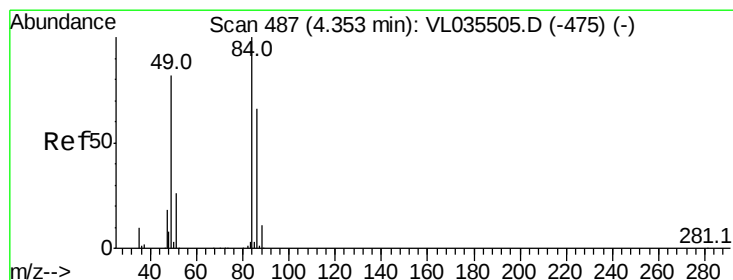
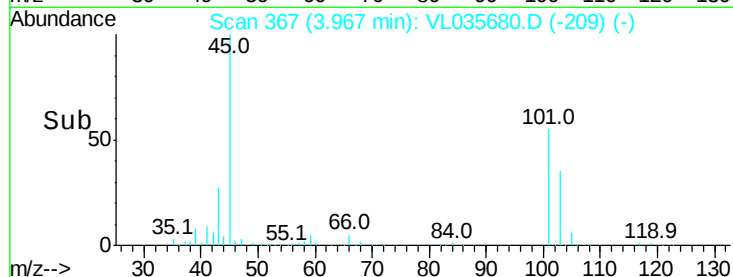
200000

100000

0

Time-->

3.90 3.95 4.00



#20

Methylene Chloride

Concen: 8.805 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Tgt Ion: 84 Resp: 759058

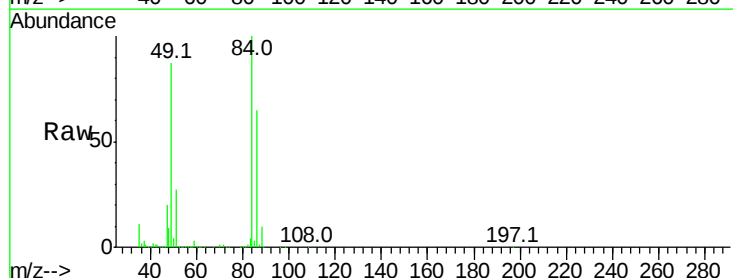
Ion Ratio Lower Upper

84 100

49 86.1 65.4 98.0

51 26.4 21.5 32.3

86 65.1 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

800000

600000

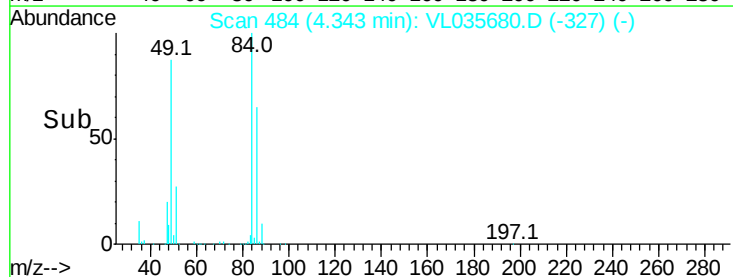
400000

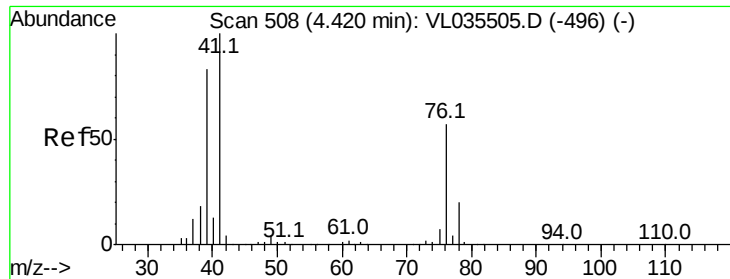
200000

0

Time-->

4.30 4.35 4.40





#21

Allyl Chloride

Concen: 11.079 ppbv

RT: 4.41 min Scan# 505

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

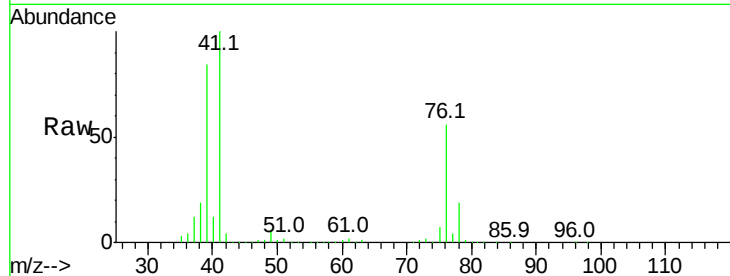
Tgt Ion: 41 Resp: 600754

Ion Ratio Lower Upper

41 100

76 56.7 46.2 69.2

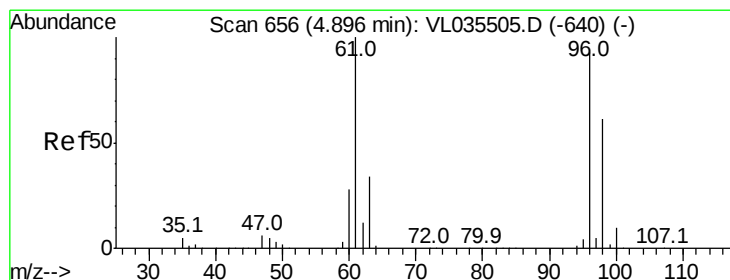
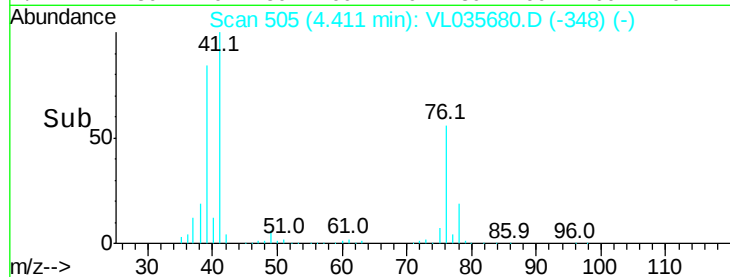
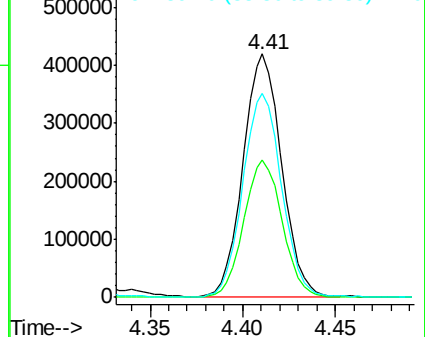
39 85.0 67.8 101.6



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: 9.865 ppbv

RT: 4.88 min Scan# 652

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

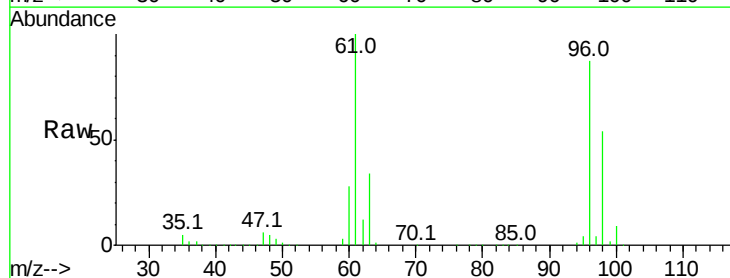
Tgt Ion: 96 Resp: 925709

Ion Ratio Lower Upper

96 100

61 114.7 86.0 129.0

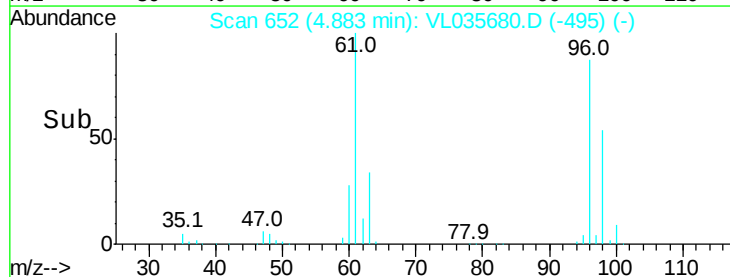
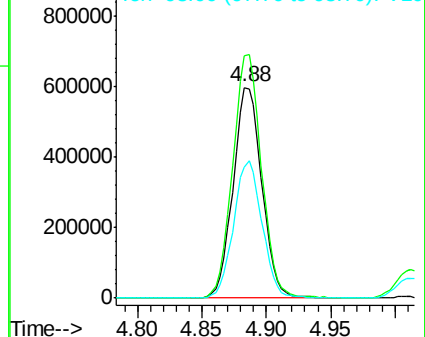
98 62.3 52.3 78.5

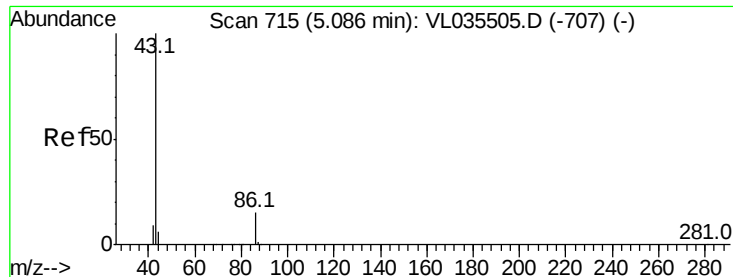


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.467 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1554863

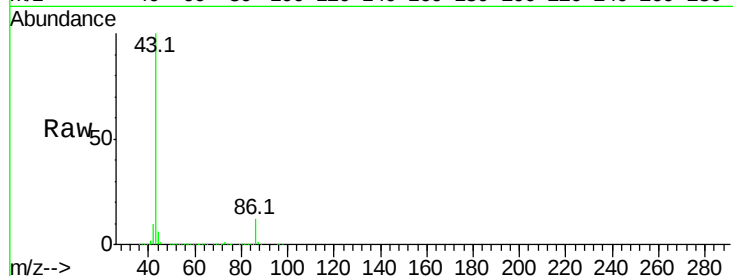
Ion Ratio Lower Upper

43 100

86 12.5 10.6 16.0

42 9.5 7.5 11.3

44 5.9 4.4 6.6

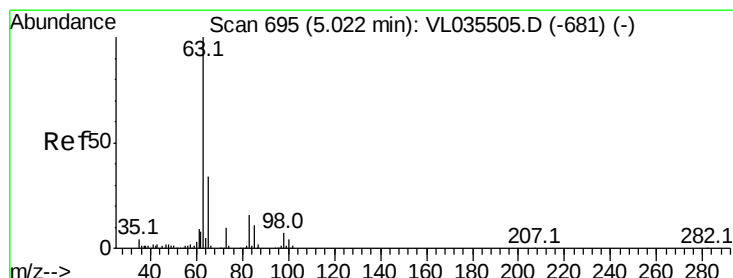
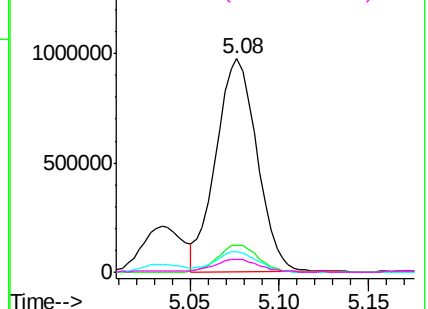
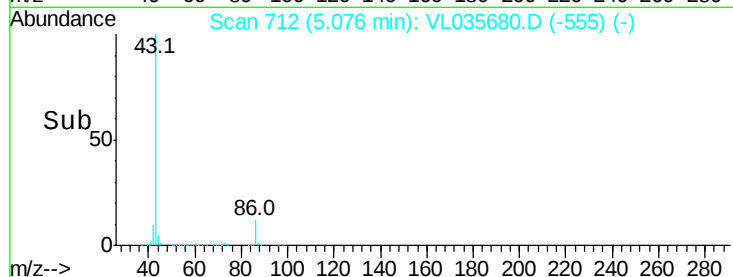


Abundance Ion 43.10 (42.80 to 43.80): VL0

1500000 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: 10.063 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

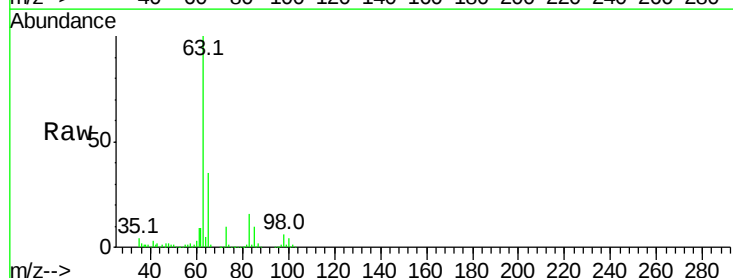
Tgt Ion: 63 Resp: 1538343

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.1

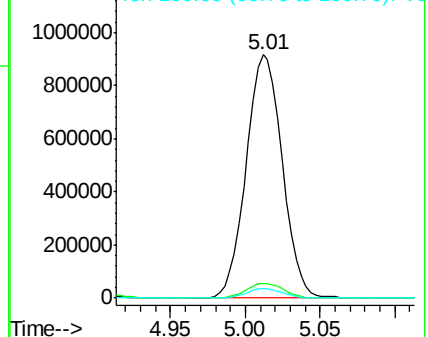
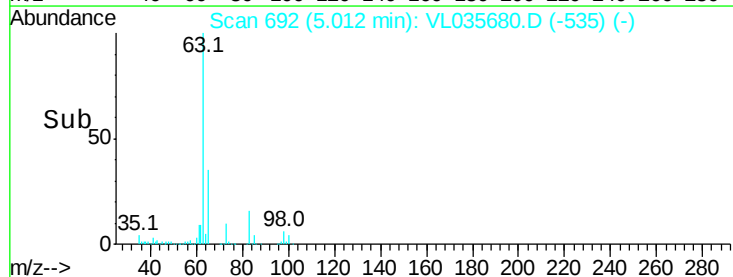
100 4.0 2.1 6.5

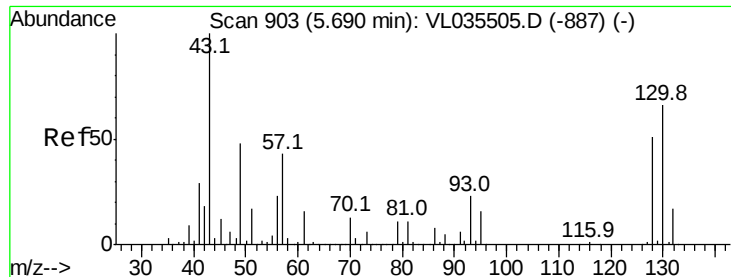


Abundance Ion 63.10 (62.80 to 63.80): VL0

1200000 Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



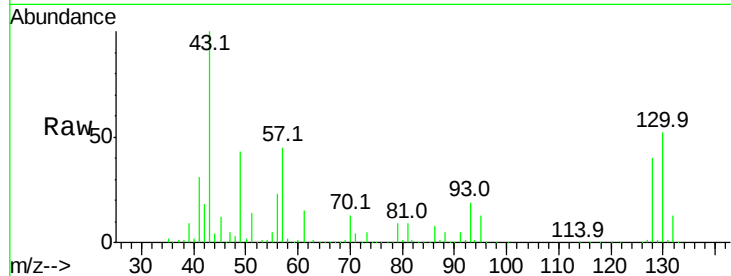


#25
Ethyl Acetate
Concen: 10.208 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2087223

Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.4	12.6
61	13.0	10.6	16.0
70	11.3	9.4	14.2



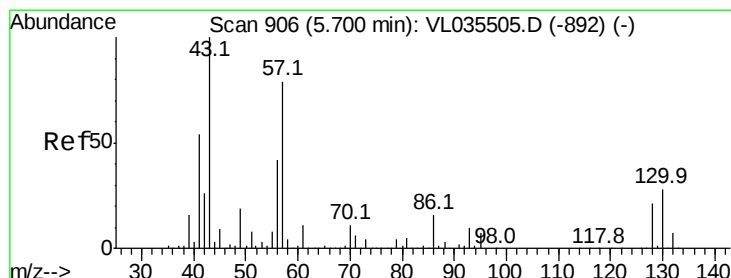
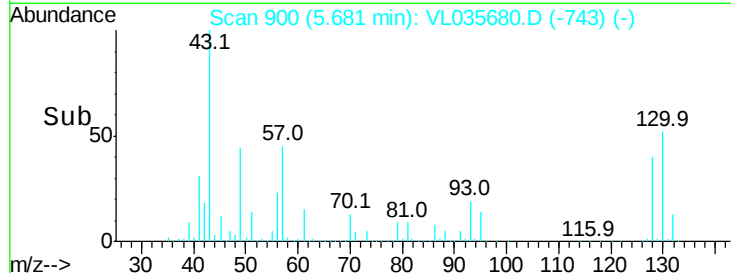
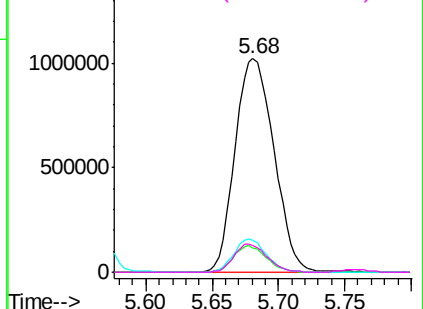
Abundance

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

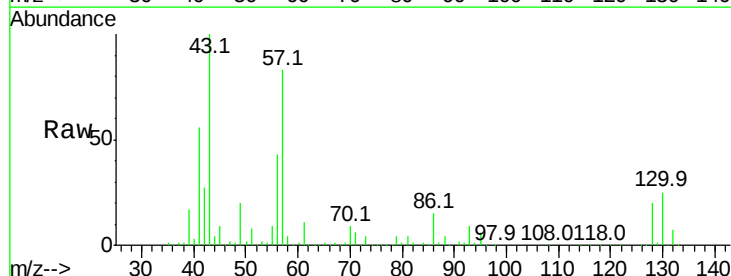
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.220 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion: 57 Resp: 1184057

Ion	Ratio	Lower	Upper
57	100		
41	70.8	55.9	83.9
43	177.1	141.8	212.8
56	52.6	41.8	62.8



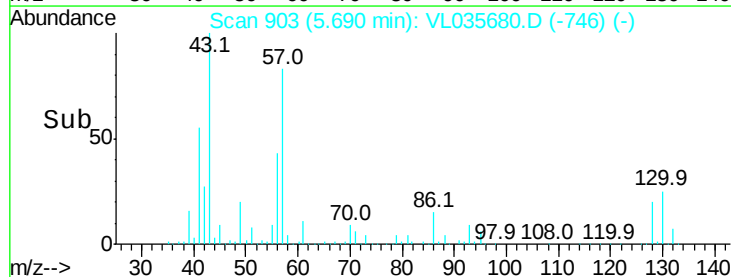
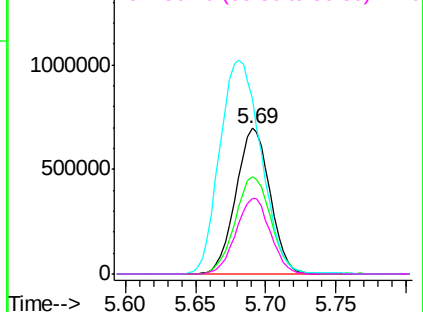
Abundance

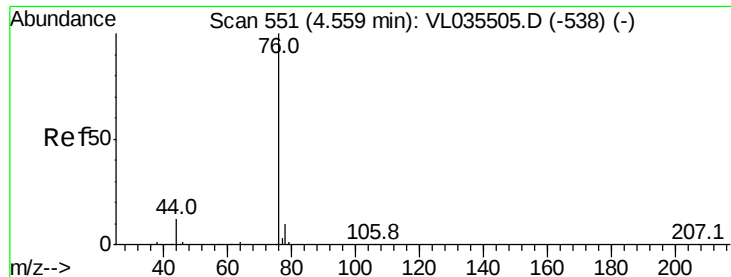
Ion 57.10 (56.80 to 57.80): VL0

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

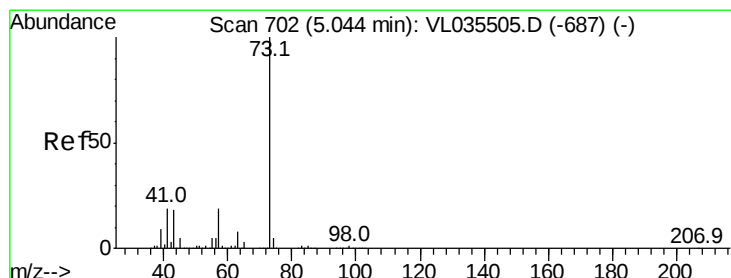
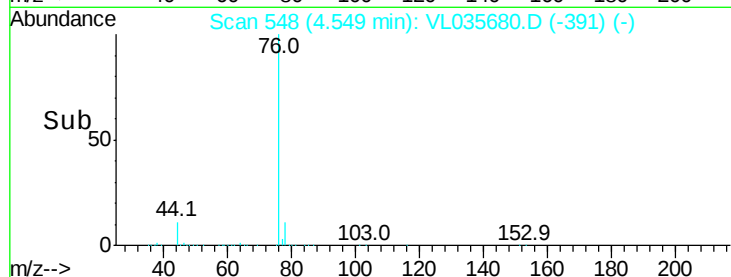
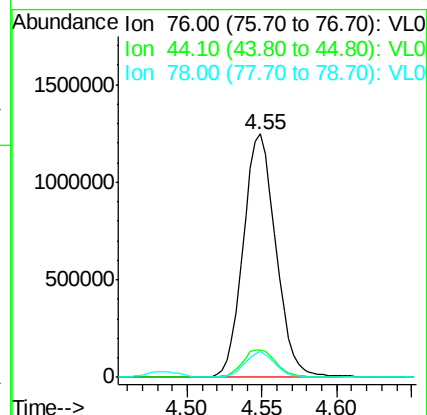
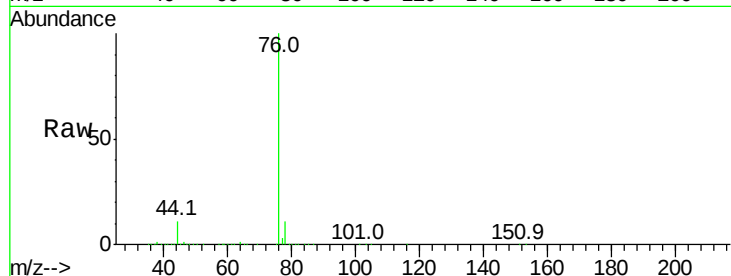




#27
Carbon Disulfide
Concen: 11.390 ppbv
RT: 4.55 min Scan# 548
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

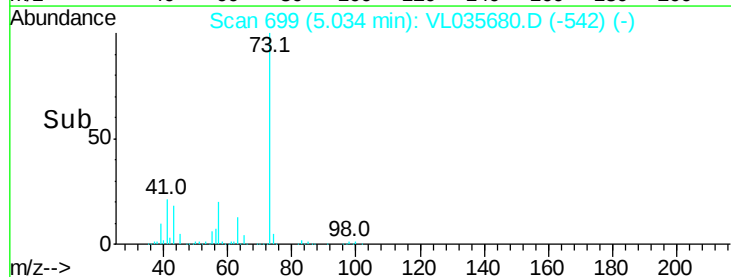
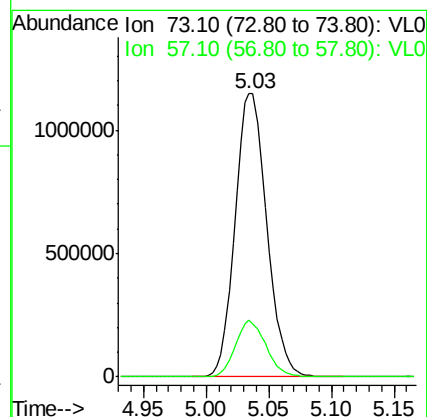
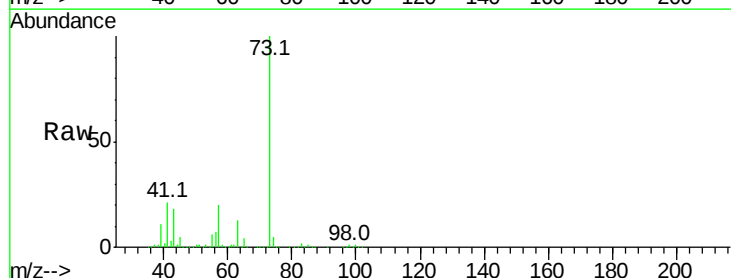
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

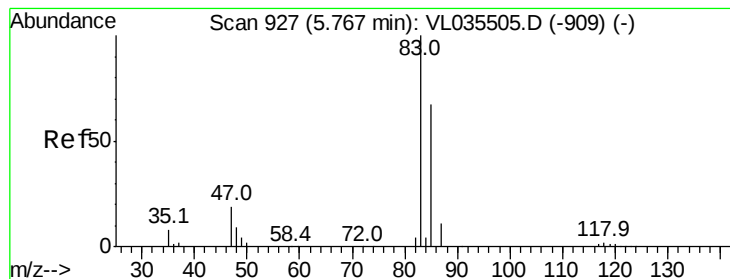
Tgt Ion: 76 Resp: 1893597
Ion Ratio Lower Upper
76 100
44 12.0 9.3 13.9
78 9.8 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 9.992 ppbv
RT: 5.03 min Scan# 699
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion: 73 Resp: 2017496
Ion Ratio Lower Upper
73 100
57 19.4 15.2 22.8





#29

Chloroform

Concen: 9.911 ppbv

RT: 5.76 min Scan# 924

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

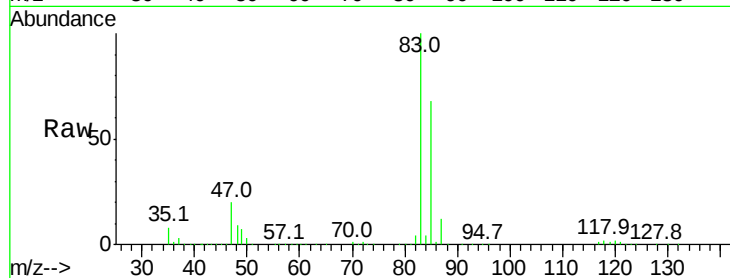
VSTDCCC010EC

Tgt Ion: 83 Resp: 2339568

Ion Ratio Lower Upper

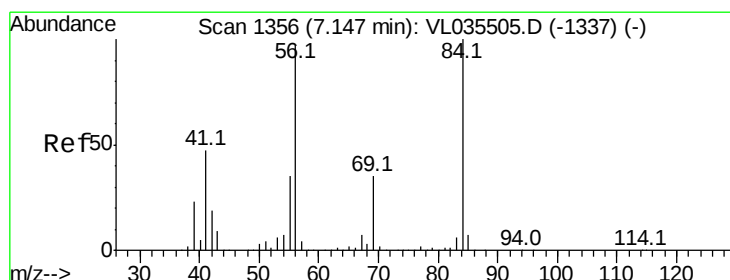
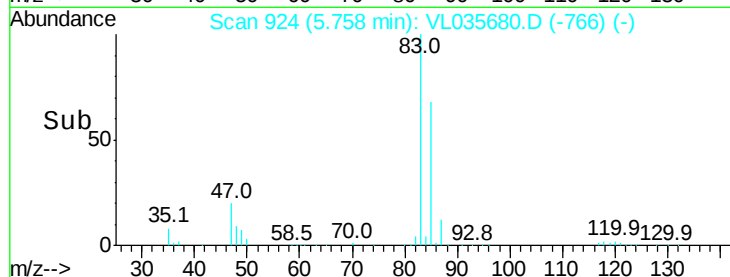
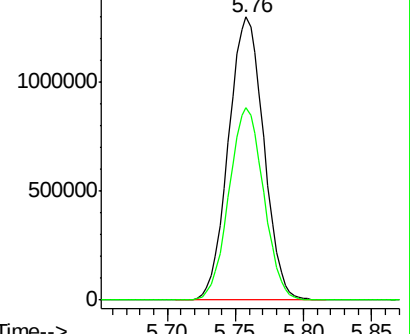
83 100

85 67.9 53.9 80.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 10.375 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

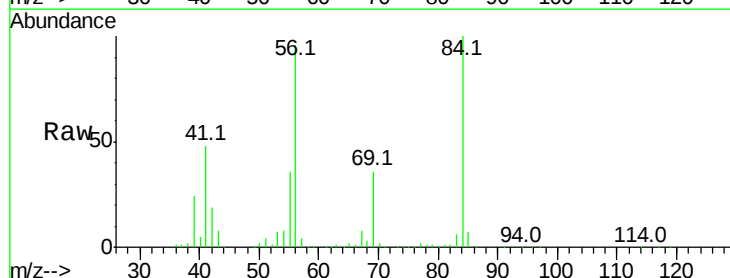
Tgt Ion: 84 Resp: 1287662

Ion Ratio Lower Upper

84 100

56 102.8 80.1 120.1

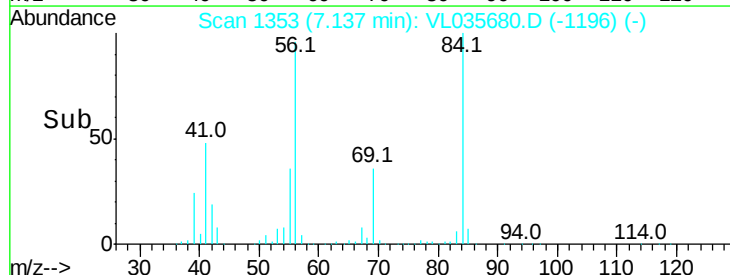
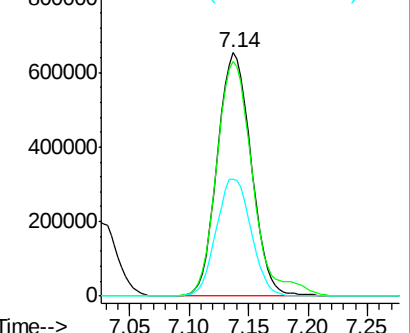
41 49.6 38.1 57.1

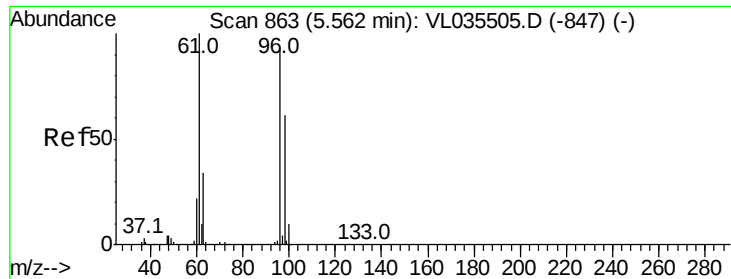


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



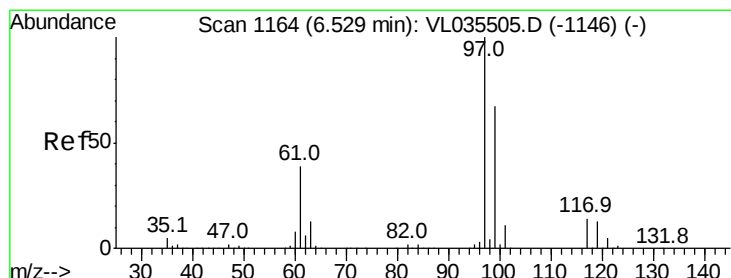
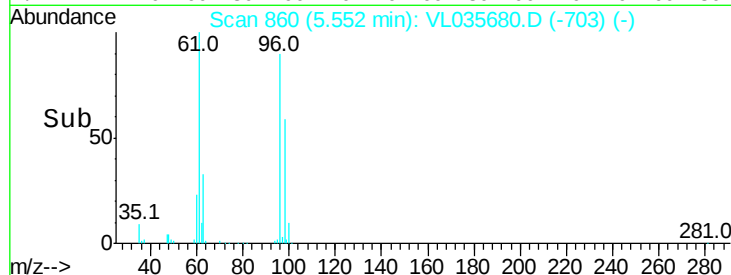
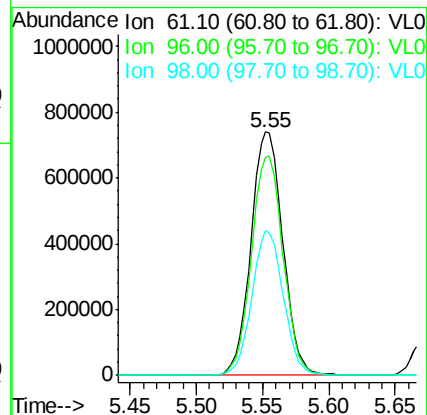
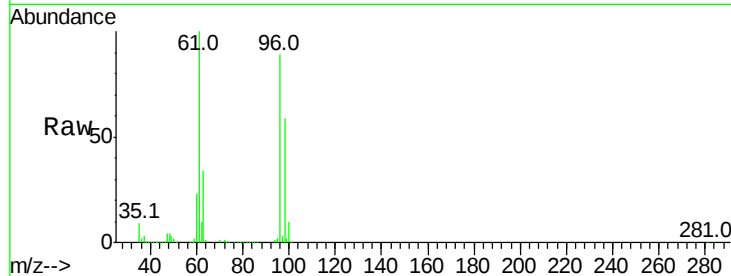


#31

cis-1,2-Dichloroethene
Concen: 10.410 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

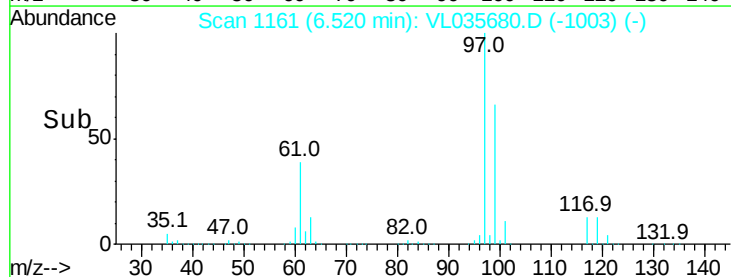
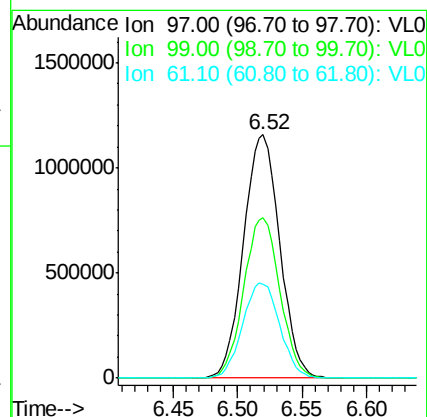
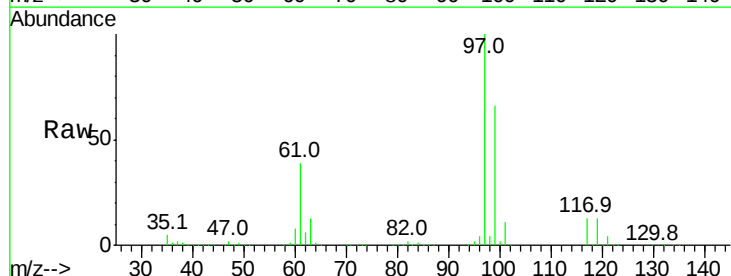
Tgt Ion: 61 Resp: 1237345
Ion Ratio Lower Upper
61 100
96 89.5 74.4 111.6
98 59.5 49.2 73.8

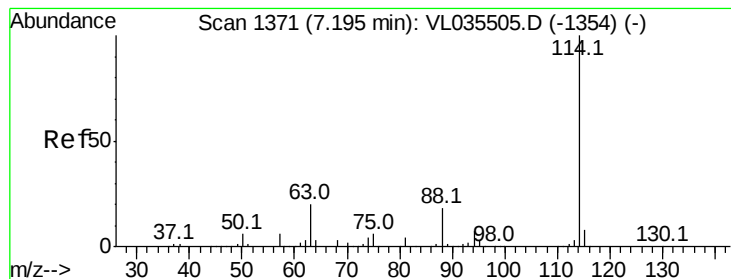


#32

1,1,1-Trichloroethane
Concen: 9.896 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion: 97 Resp: 2266037
Ion Ratio Lower Upper
97 100
99 65.8 53.3 79.9
61 40.2 30.6 46.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

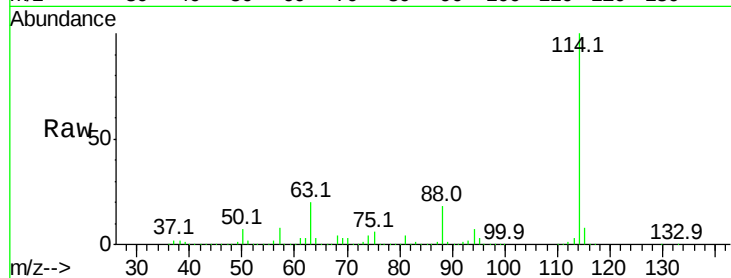
Tgt Ion:114 Resp: 4225485

Ion Ratio Lower Upper

114 100

63 19.4 14.7 22.1

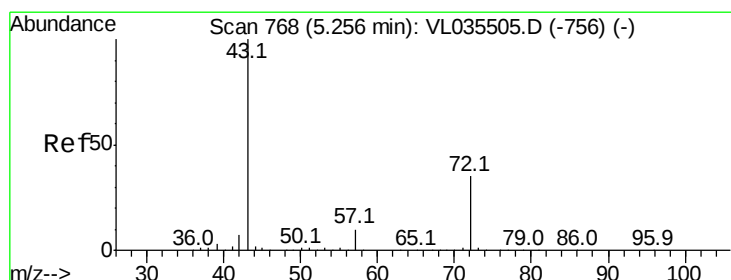
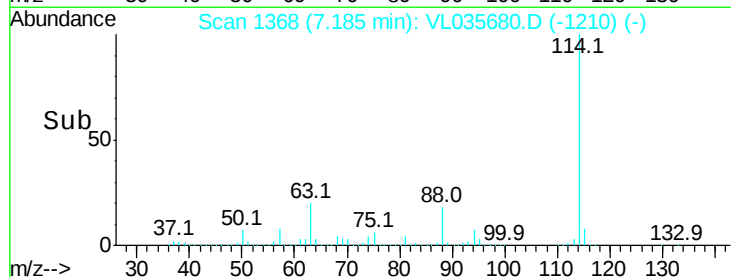
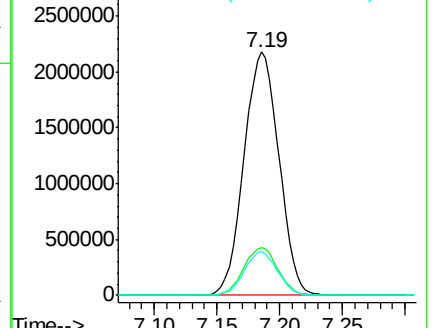
88 17.1 13.4 20.2



Abundance Ion 114.10 (113.80 to 114.80): VL035505.D (-1354) (-)

Ion 63.10 (62.80 to 63.80): VL035505.D (-1354) (-)

Ion 88.10 (87.80 to 88.80): VL035505.D (-1354) (-)



#34

2-Butanone

Concen: 11.240 ppbv

RT: 5.25 min Scan# 765

Delta R.T. 0.01 min

Lab File: VL035680.D

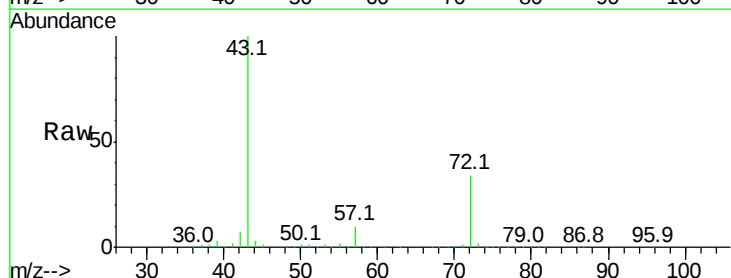
Acq: 18 Sep 2020 11:08

Tgt Ion: 43 Resp: 1409464

Ion Ratio Lower Upper

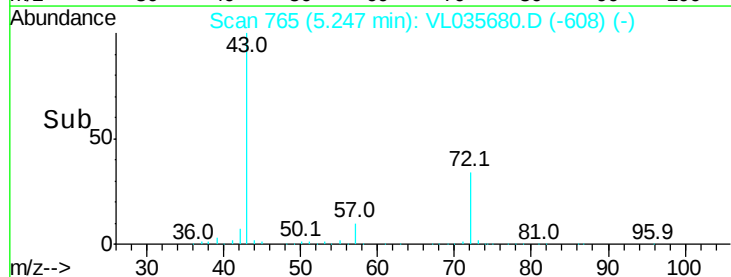
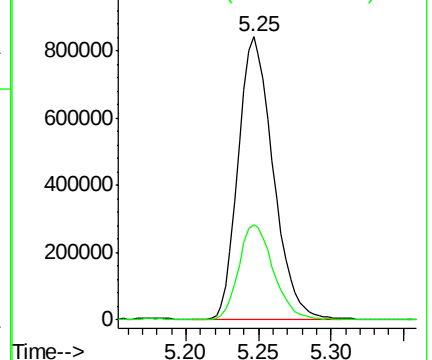
43 100

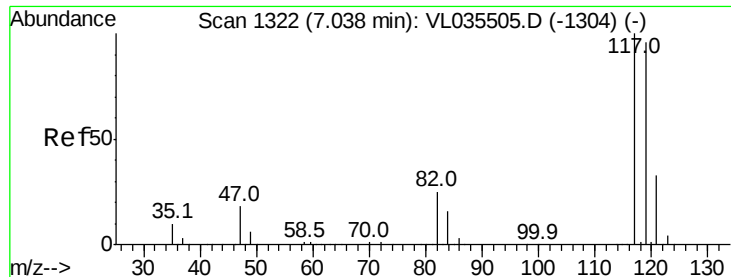
72 33.4 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL035505.D (-756) (-)

Ion 72.10 (71.80 to 72.80): VL035505.D (-756) (-)





#35

Carbon Tetrachloride

Concen: 11.122 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

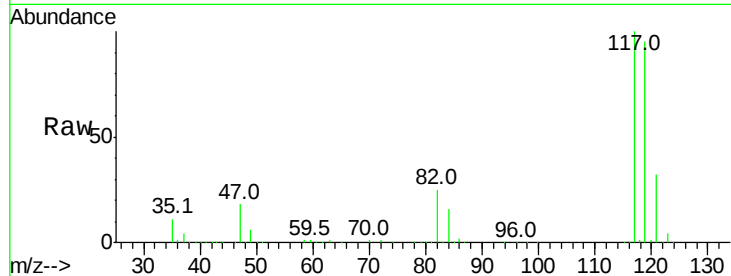
Tgt Ion:117 Resp: 2362035

Ion Ratio Lower Upper

117 100

119 95.0 77.2 115.8

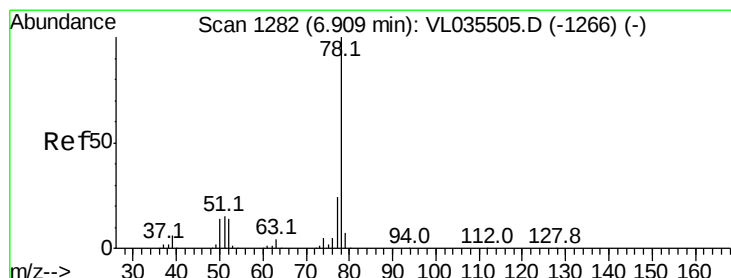
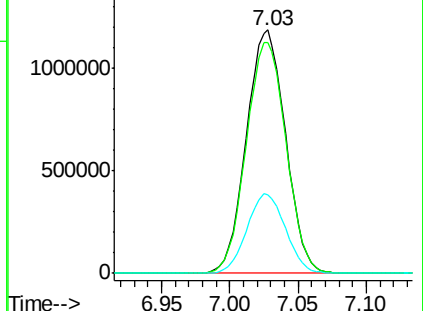
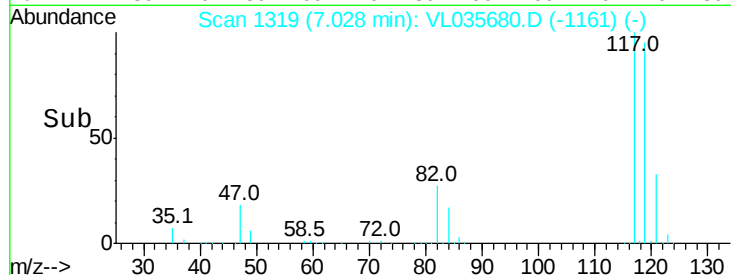
121 32.4 26.1 39.1



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: 10.796 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

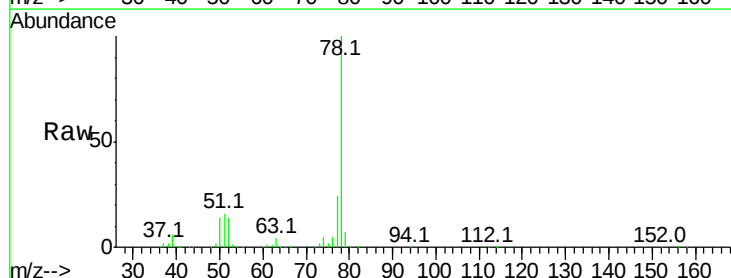
Tgt Ion: 78 Resp: 2952889

Ion Ratio Lower Upper

78 100

77 24.2 19.3 28.9

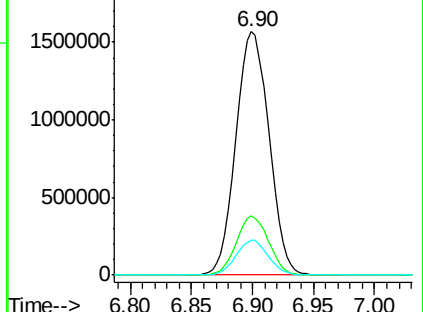
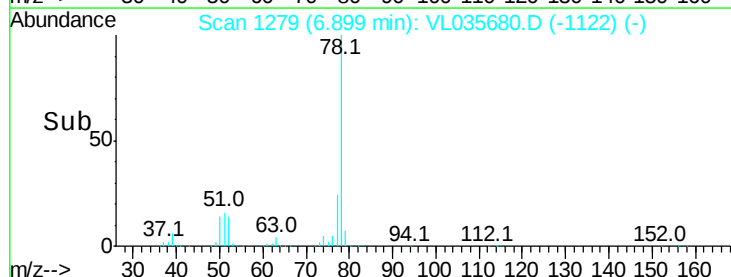
50 14.3 11.0 16.6

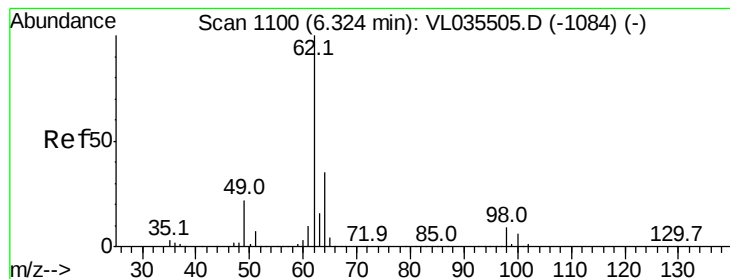


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.992 ppbv

RT: 6.31 min Scan# 1097

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

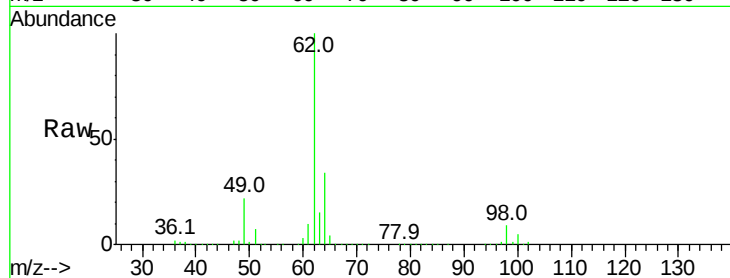
VSTDCCC010EC

Tgt Ion: 62 Resp: 1433380

Ion Ratio Lower Upper

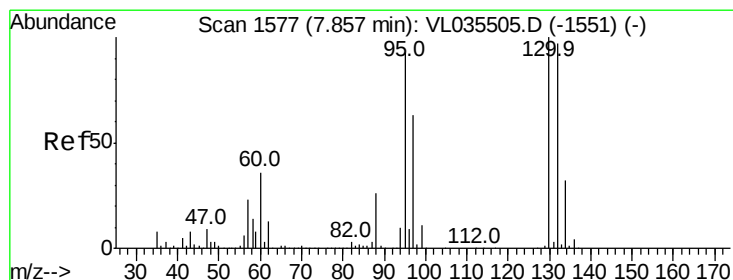
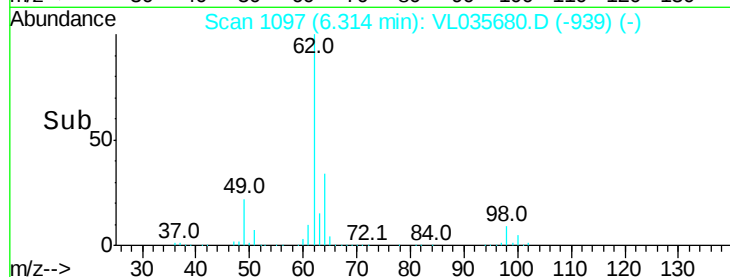
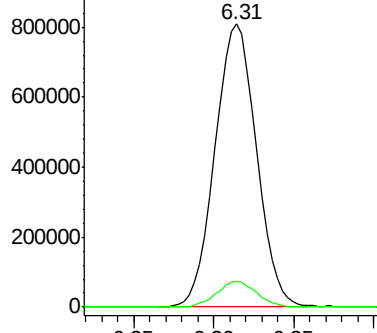
62 100

98 8.8 7.4 11.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.561 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Tgt Ion: 130 Resp: 1519001

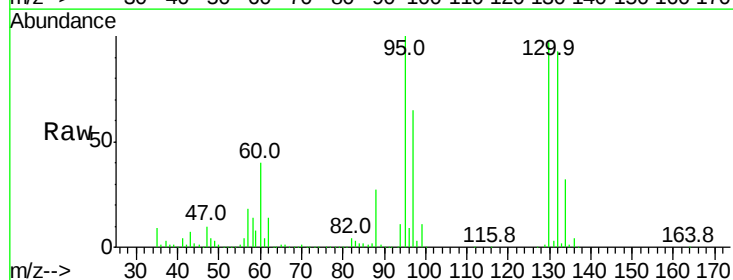
Ion Ratio Lower Upper

130 100

95 103.5 74.6 112.0

132 96.6 77.6 116.4

97 67.0 50.6 76.0

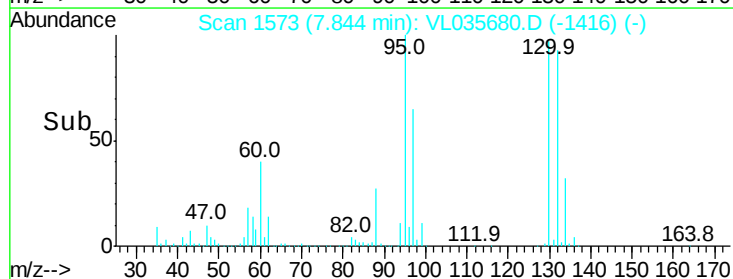
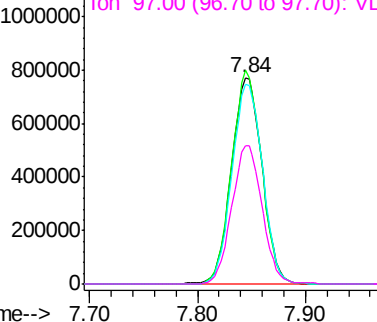


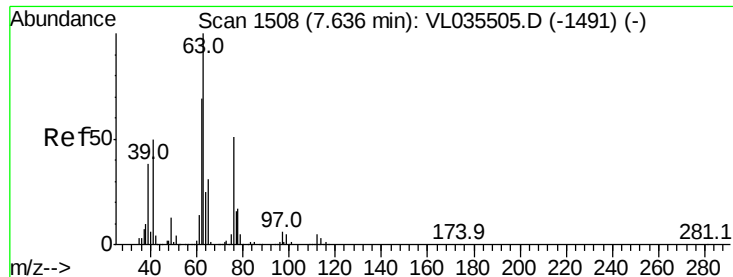
Abundance Ion 130.00 (129.70 to 130.70): VL0

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): VL0

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 11.022 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

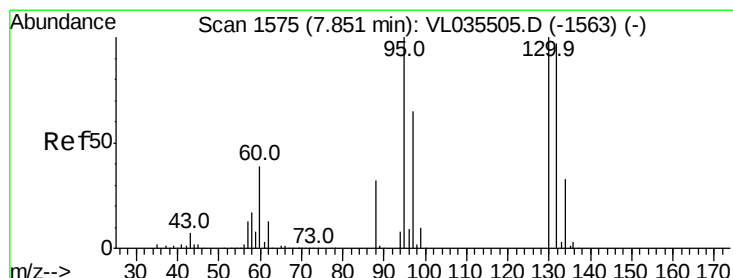
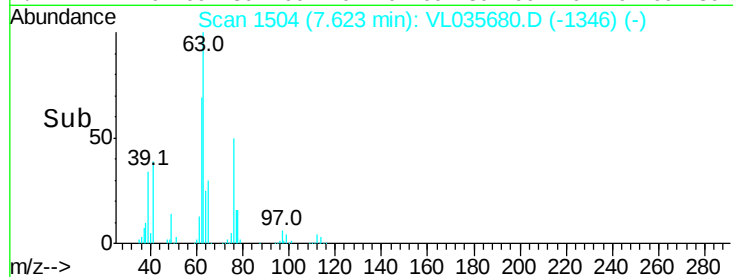
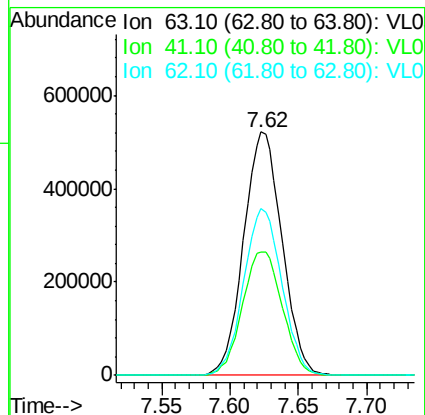
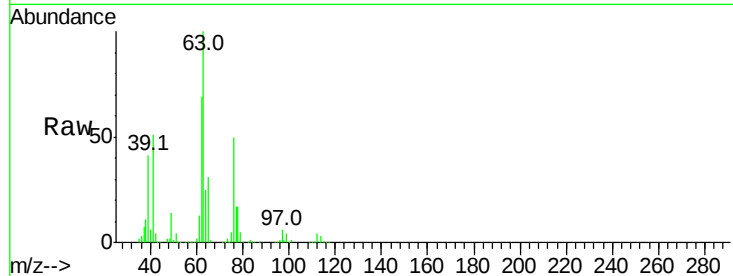
Tgt Ion: 63 Resp: 1018411

Ion Ratio Lower Upper

63 100

41 50.7 40.0 60.0

62 68.7 55.4 83.0



#40

1,4-Dioxane

Concen: 10.739 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Tgt Ion: 88 Resp: 495688

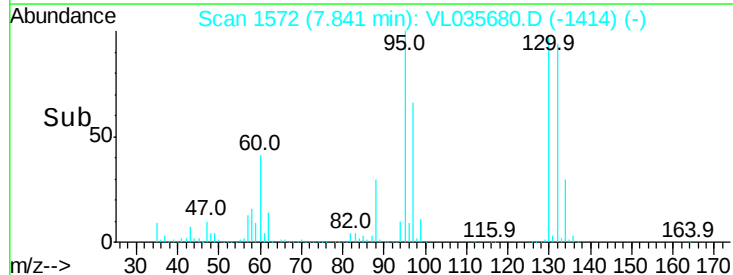
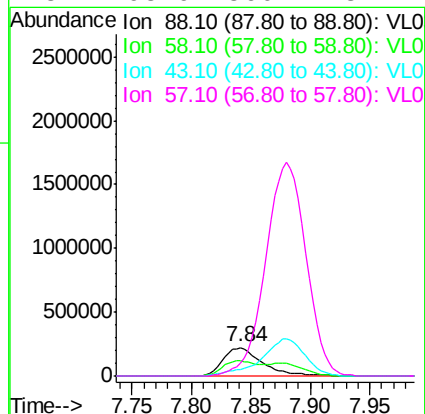
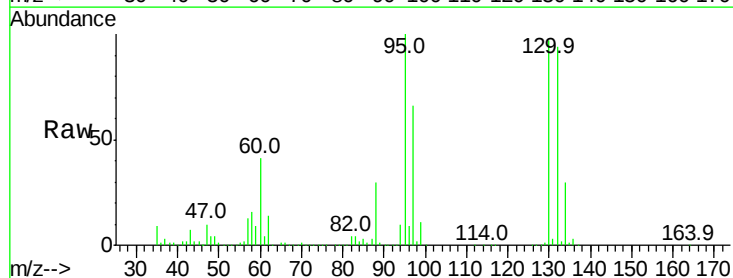
Ion Ratio Lower Upper

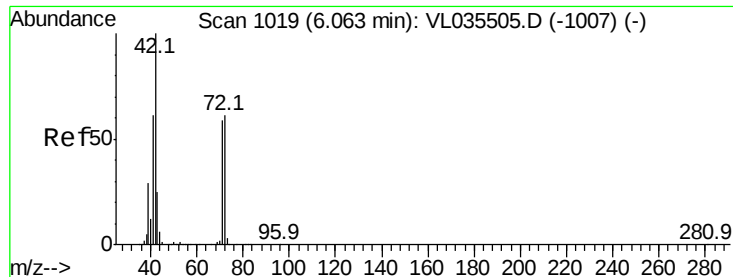
88 100

58 93.3 68.7 103.1

43 149.2 104.3 156.5

57 795.9 560.7 841.1

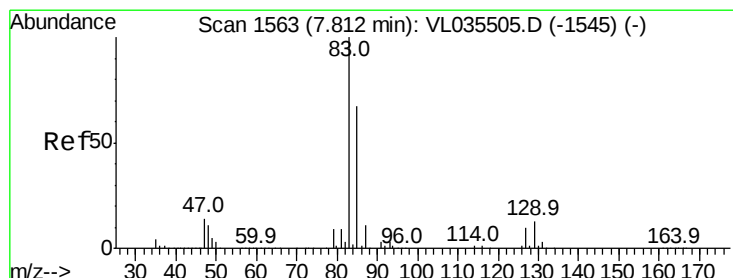
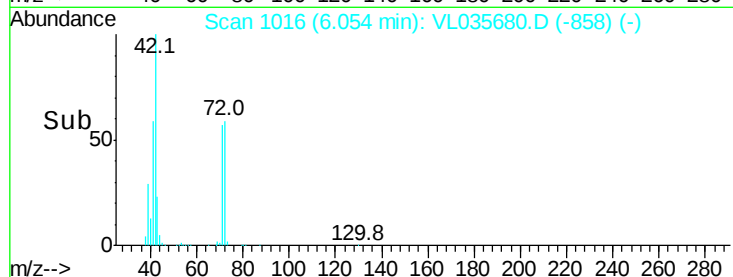
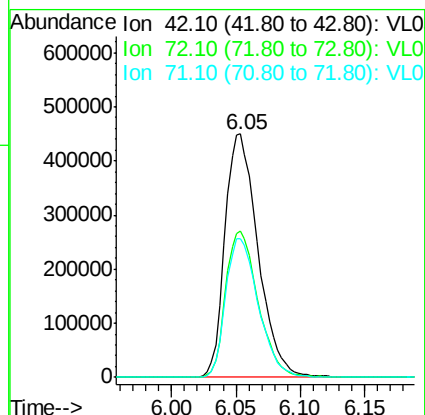
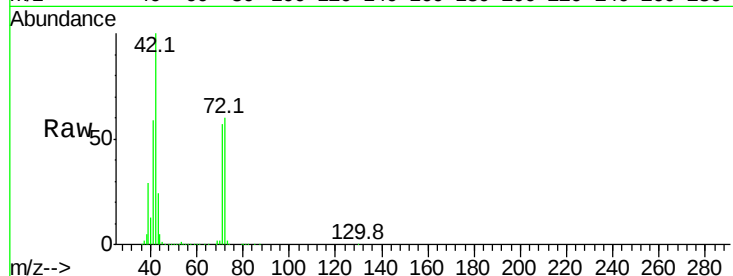




#41
Tetrahydrofuran
Concen: 12.059 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

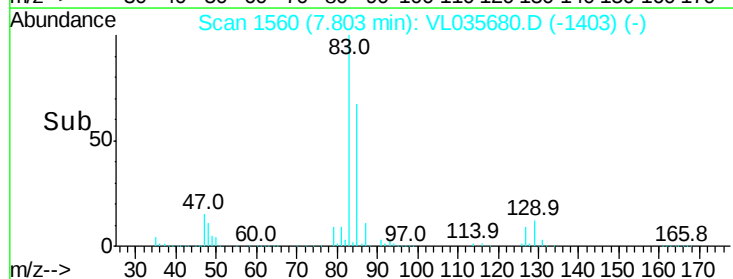
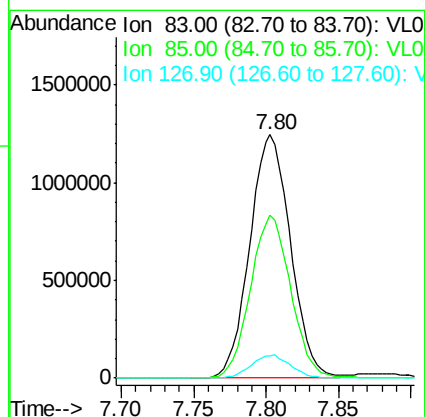
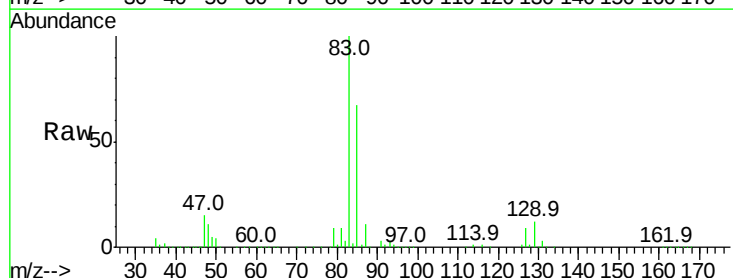
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

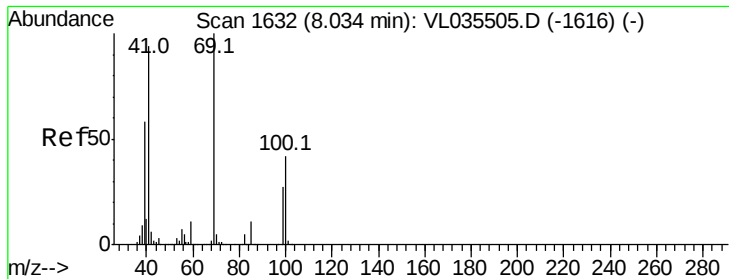
Tgt Ion: 42 Resp: 801910
Ion Ratio Lower Upper
42 100
72 58.8 48.6 73.0
71 56.6 46.1 69.1



#42
Bromodichloromethane
Concen: 11.551 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion: 83 Resp: 2435800
Ion Ratio Lower Upper
83 100
85 66.8 53.7 80.5
127 9.1 8.1 12.1

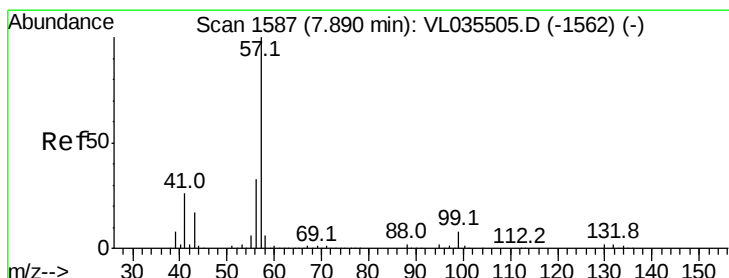
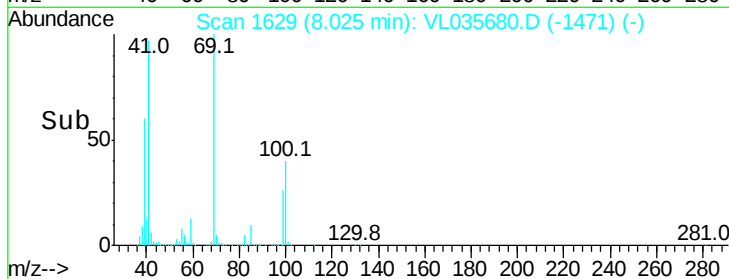
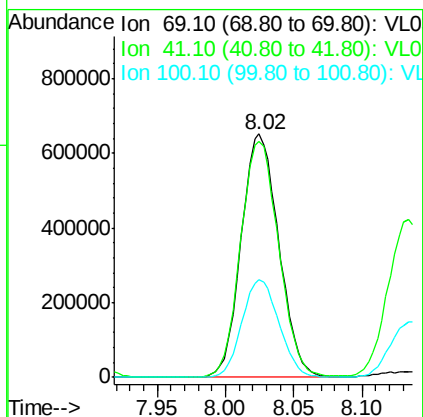
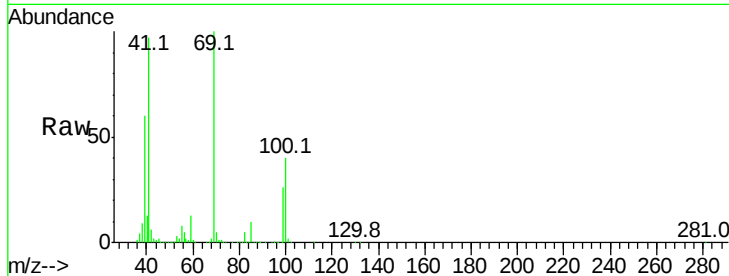




#43
Methyl Methacrylate
Concen: 11.796 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

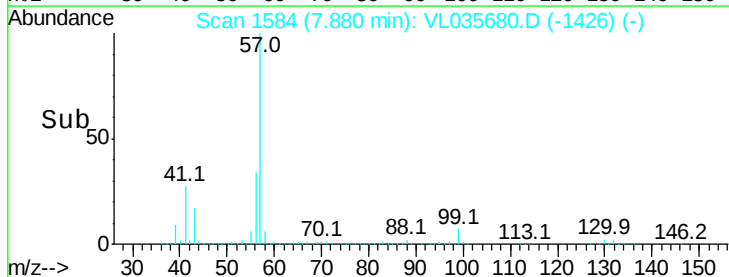
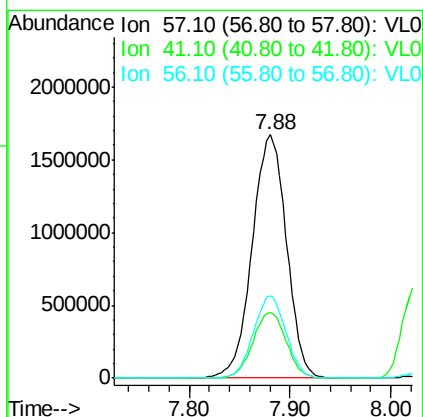
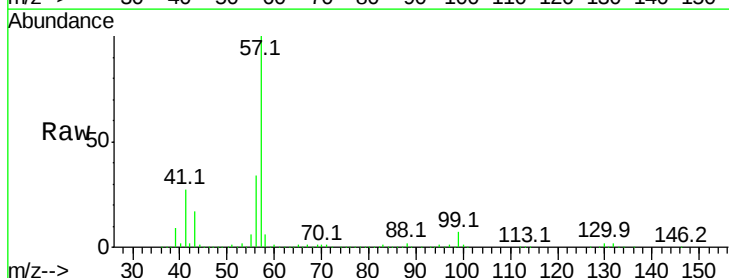
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

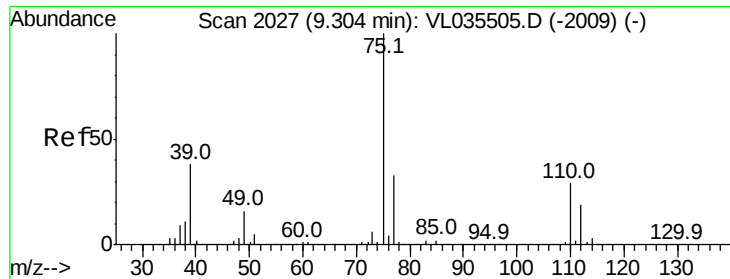
Tgt Ion: 69 Resp: 1247642
Ion Ratio Lower Upper
69 100
41 98.4 76.6 114.8
100 39.7 33.8 50.6



#44
2,2,4-Trimethylpentane
Concen: 10.952 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion: 57 Resp: 3941559
Ion Ratio Lower Upper
57 100
41 26.1 20.5 30.7
56 32.1 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 13.147 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

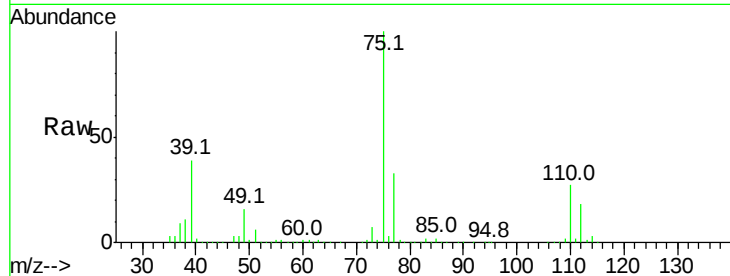
VSTDCCC010EC

Tgt Ion: 75 Resp: 1408609

Ion Ratio Lower Upper

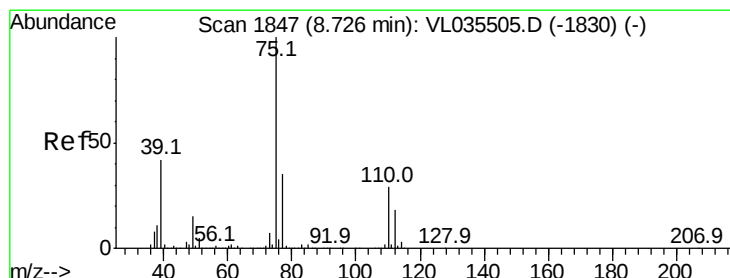
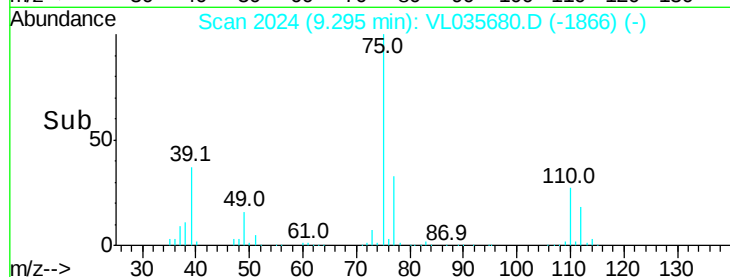
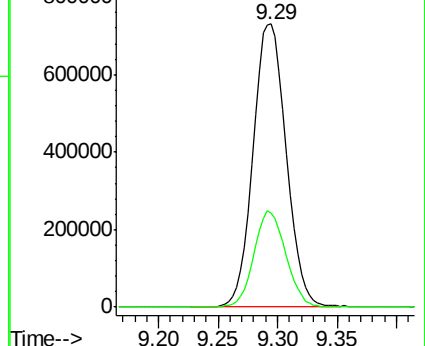
75 100

77 33.2 26.5 39.7



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 12.483 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

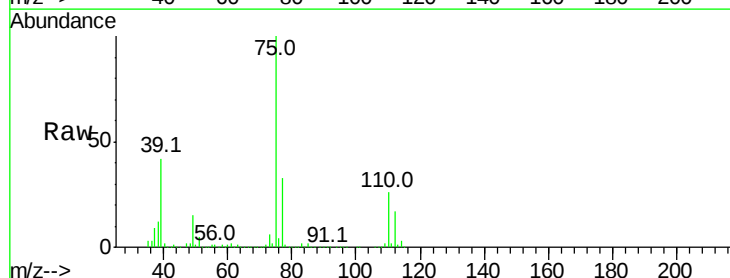
Tgt Ion: 75 Resp: 1660561

Ion Ratio Lower Upper

75 100

39 41.6 33.7 50.5

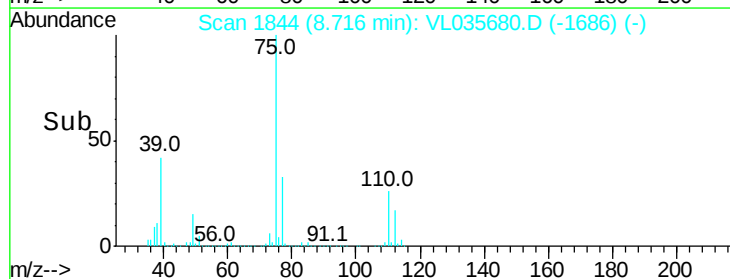
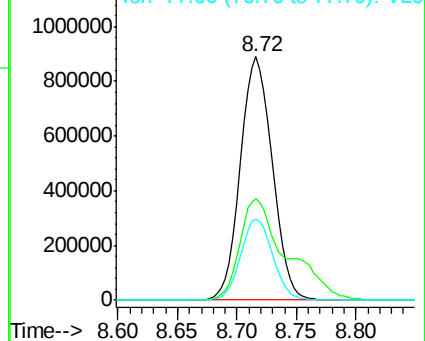
77 33.4 27.8 41.6

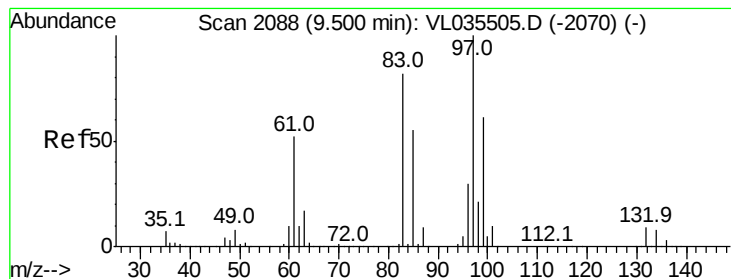


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 10.628 ppbv

RT: 9.49 min Scan# 2084

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 1449064

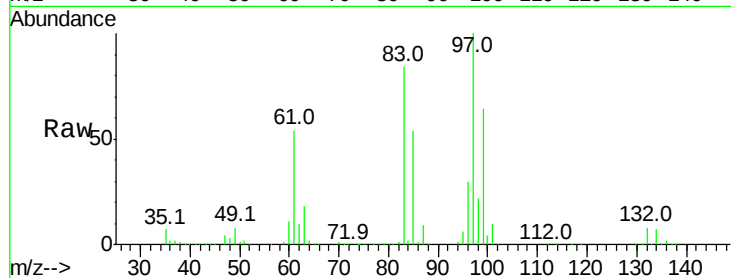
Ion Ratio Lower Upper

97 100

83 83.6 65.4 98.2

85 54.1 43.7 65.5

99 64.2 49.1 73.7

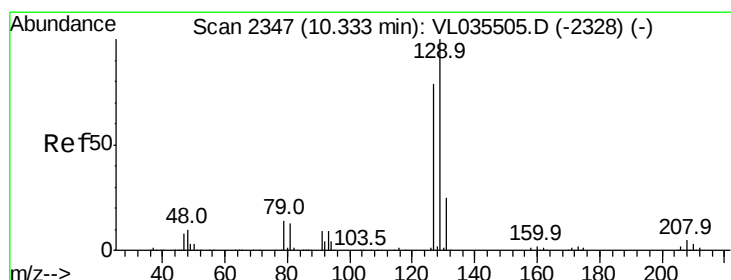
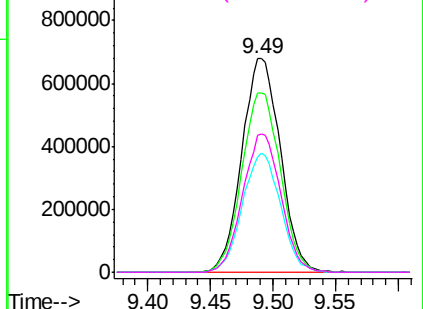
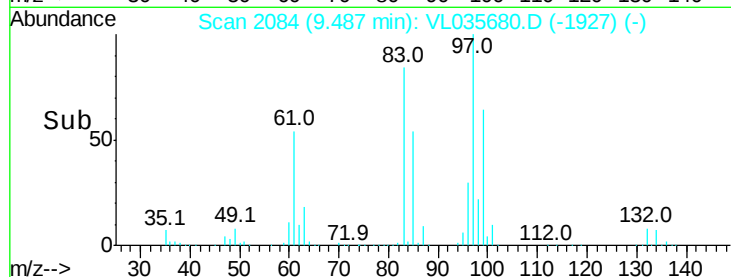


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 11.384 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. 0.01 min

Lab File: VL035680.D

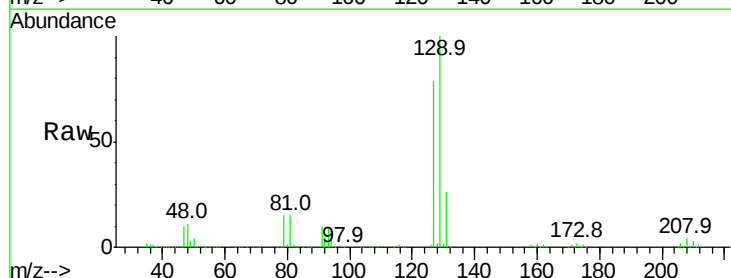
Acq: 18 Sep 2020 11:08

Tgt Ion: 129 Resp: 2442767

Ion Ratio Lower Upper

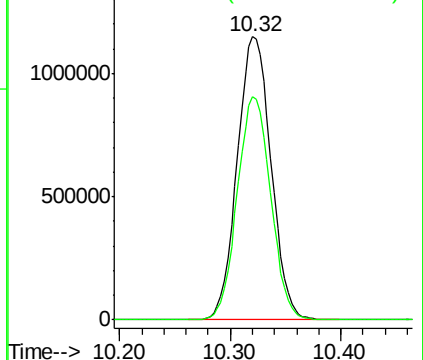
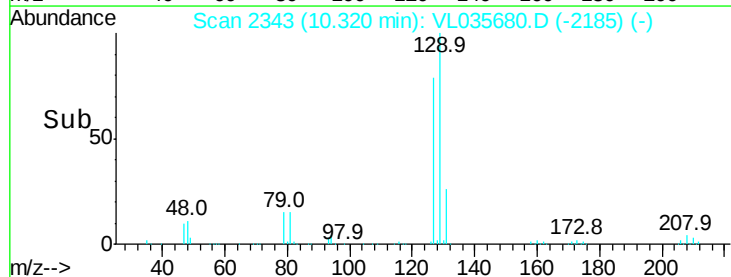
129 100

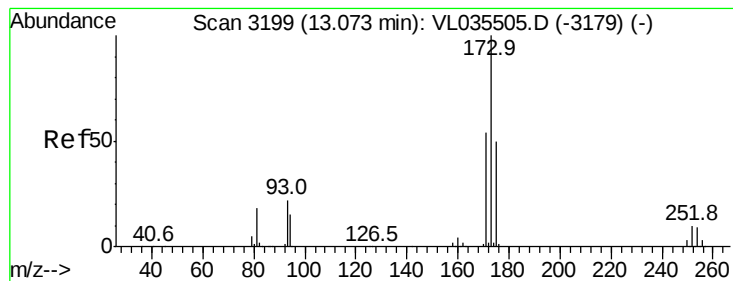
127 78.3 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.301 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

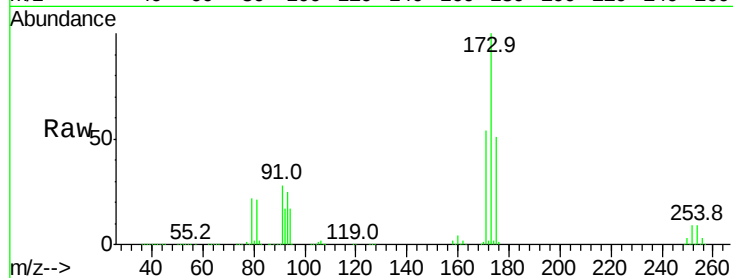
Tgt Ion:173 Resp: 2197736

Ion Ratio Lower Upper

173 100

175 49.5 39.8 59.8

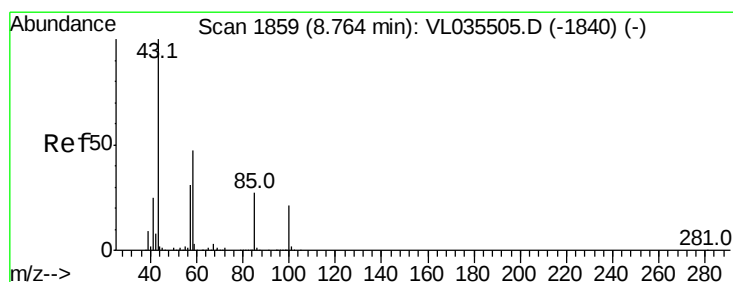
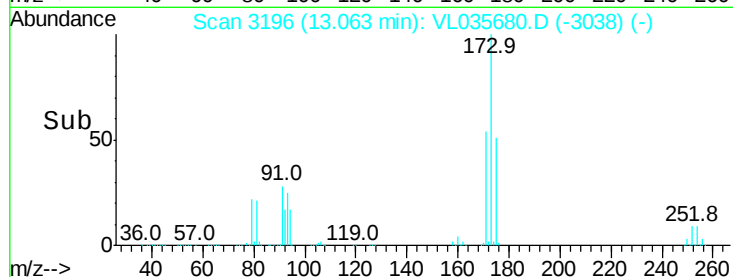
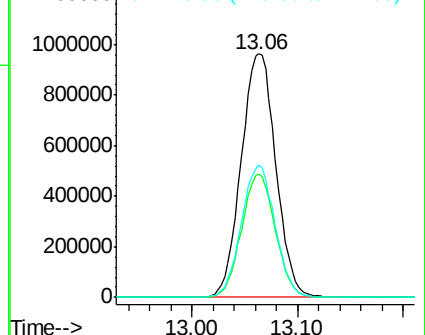
171 53.0 42.4 63.6



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: 11.563 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VL035680.D

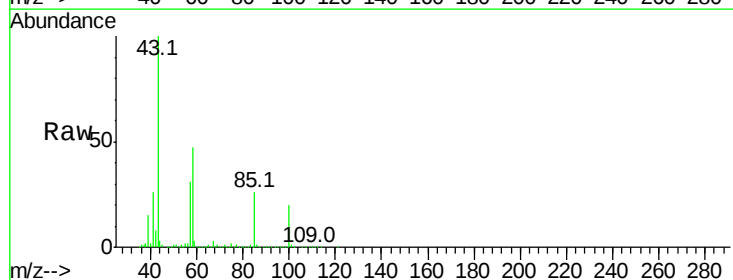
Acq: 18 Sep 2020 11:08

Tgt Ion: 43 Resp: 2099627

Ion Ratio Lower Upper

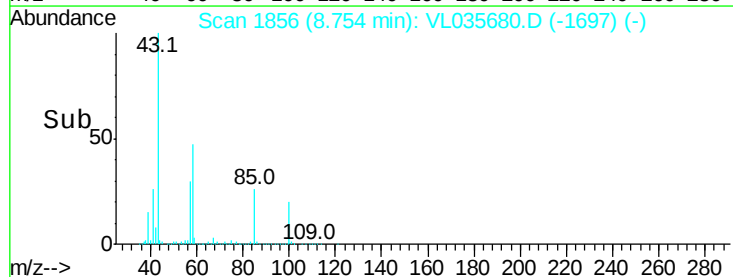
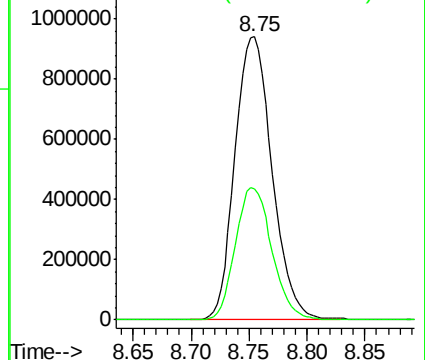
43 100

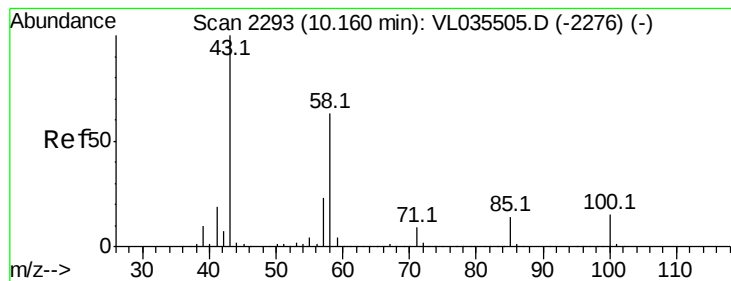
58 46.2 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.998 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

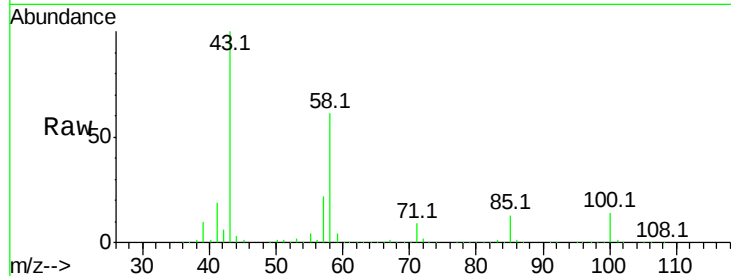
Tgt Ion: 43 Resp: 1787195

Ion Ratio Lower Upper

43 100

58 61.4 50.2 75.4

98 0.7 0.4 0.6#

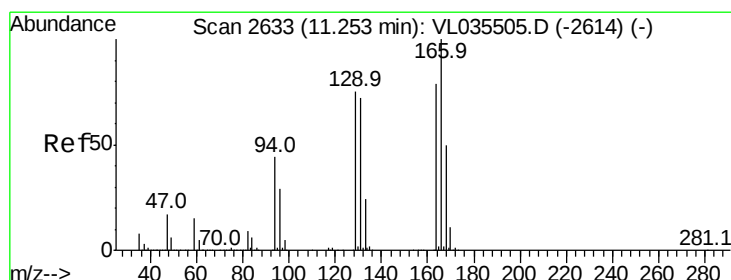
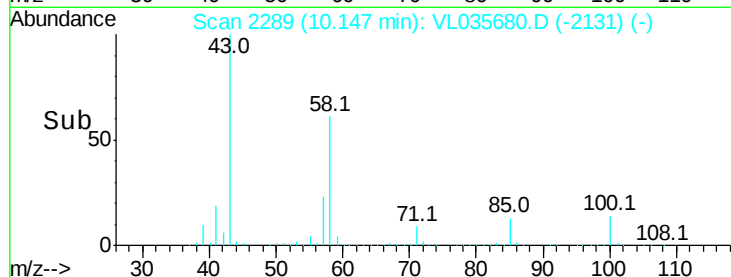
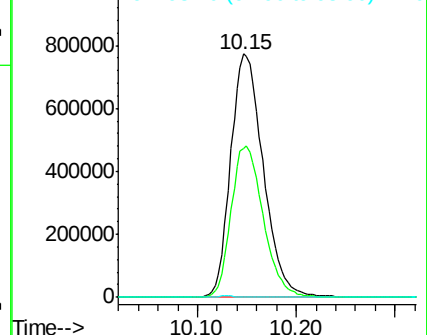


Abundance

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: 9.746 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Tgt Ion: 164 Resp: 1557248

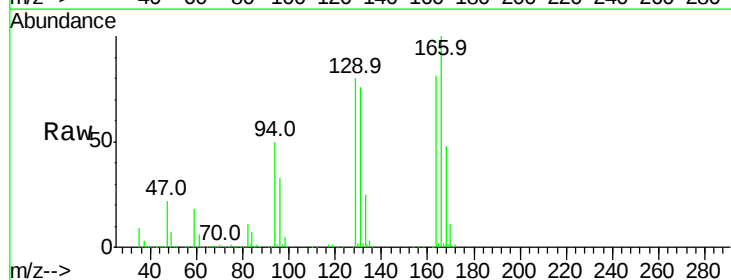
Ion Ratio Lower Upper

164 100

166 124.1 100.9 151.3

129 99.9 75.3 112.9

131 94.3 73.0 109.4



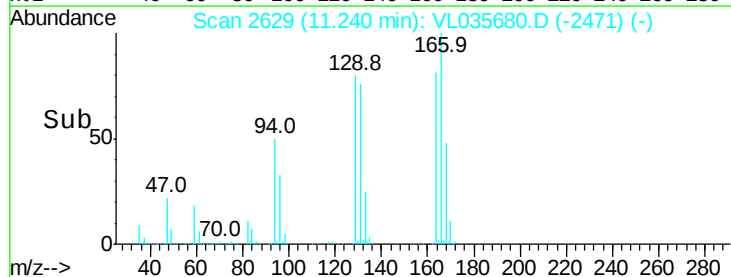
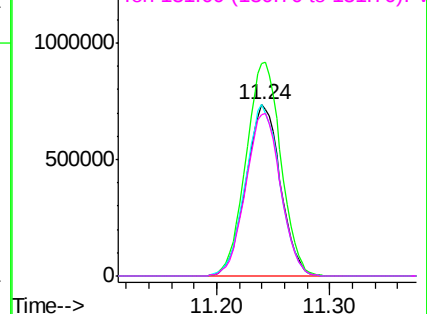
Abundance

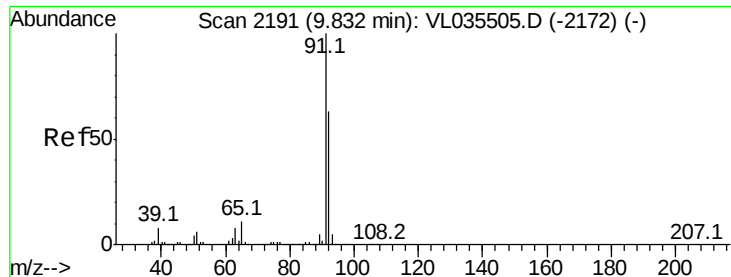
Ion 163.90 (163.60 to 164.60): V

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: 10.881 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

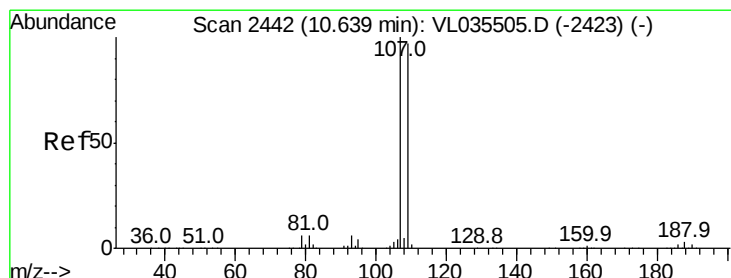
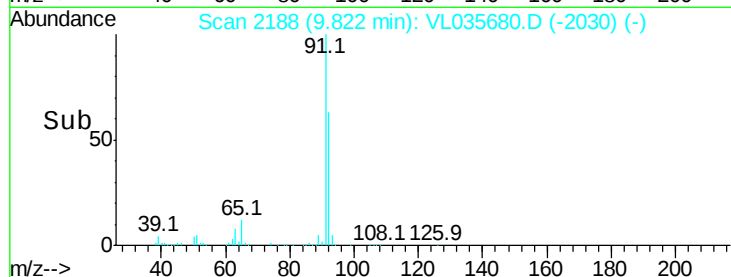
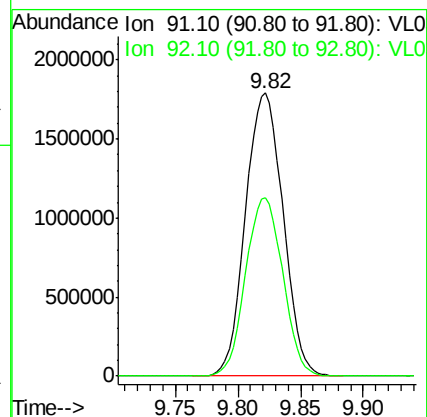
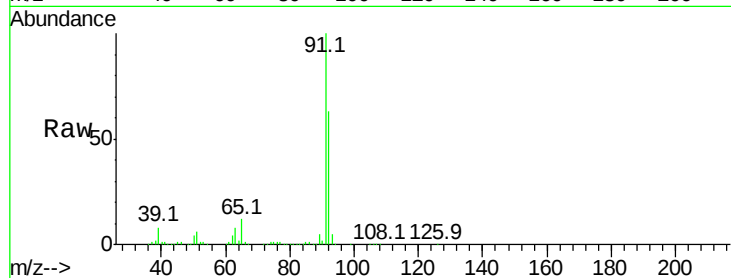
VSTDCCC010EC

Tgt Ion: 91 Resp: 3742831

Ion Ratio Lower Upper

91 100

92 62.4 49.8 74.8



#54

1,2-Dibromoethane

Concen: 10.653 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.01 min

Lab File: VL035680.D

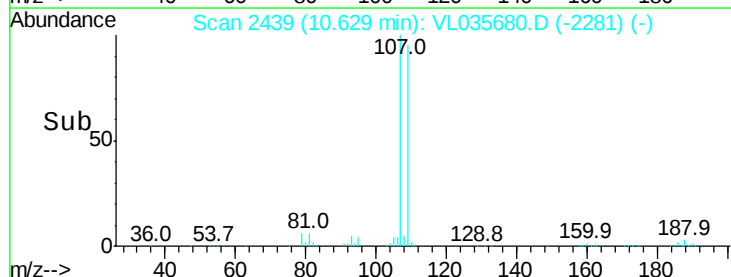
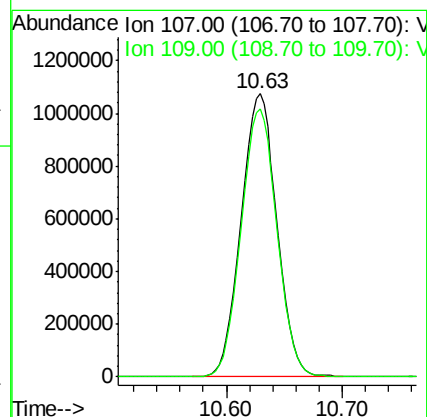
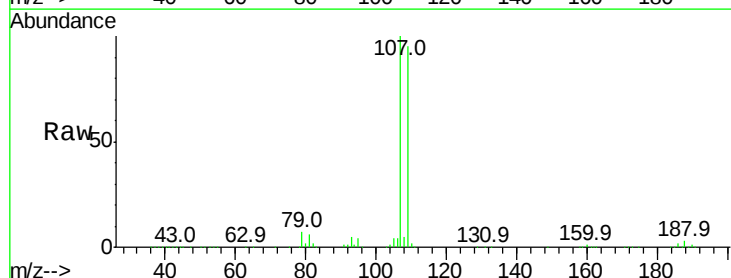
Acq: 18 Sep 2020 11:08

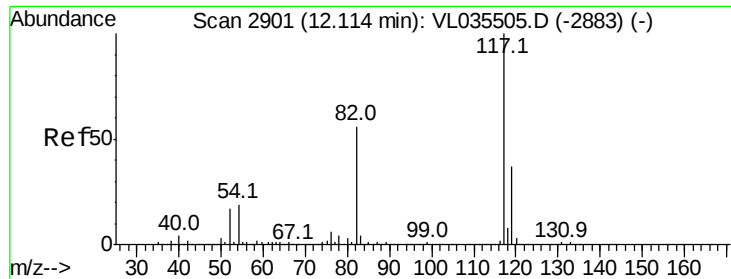
Tgt Ion: 107 Resp: 2294935

Ion Ratio Lower Upper

107 100

109 94.7 77.8 116.8

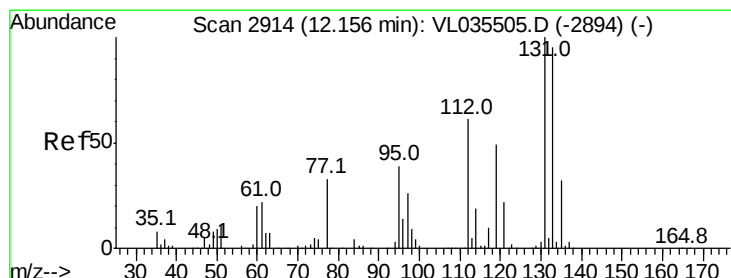
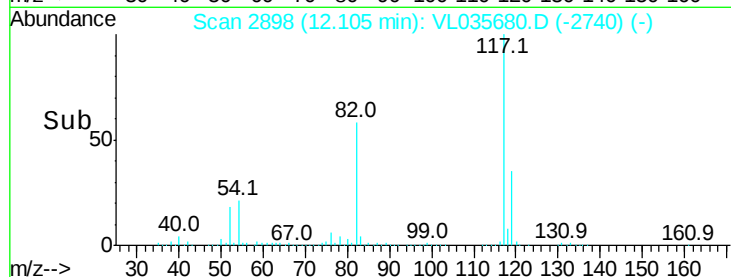
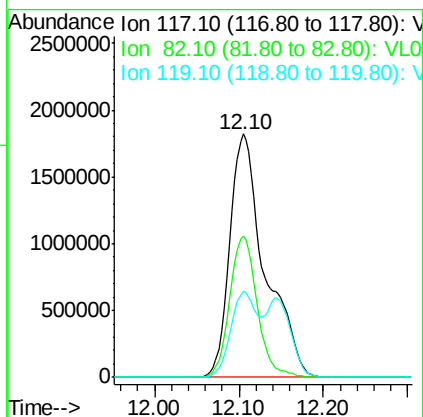
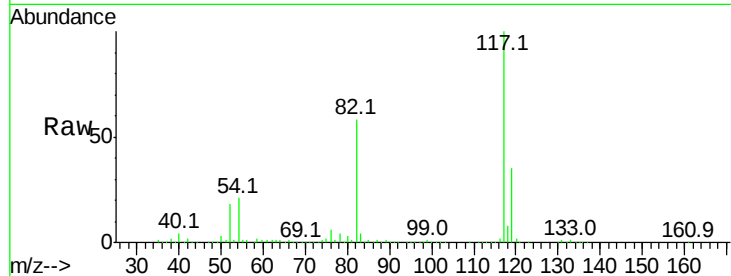




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

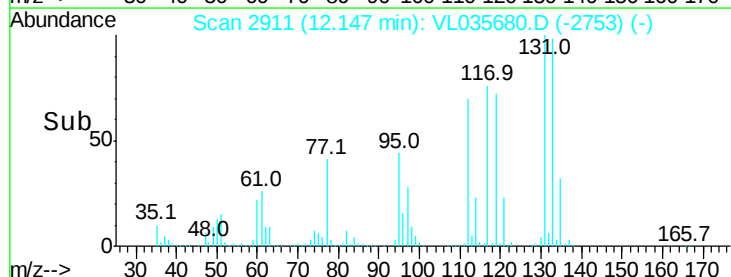
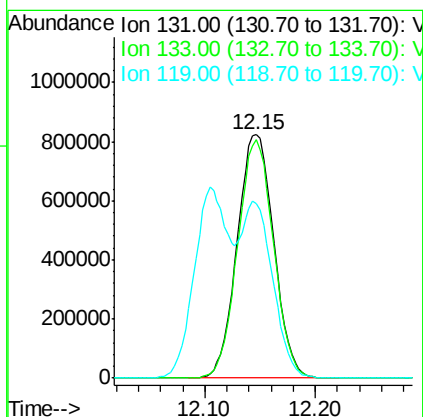
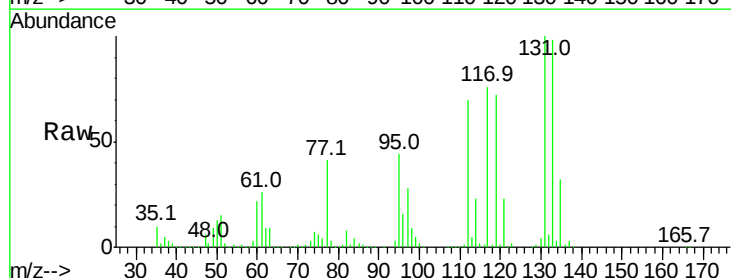
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

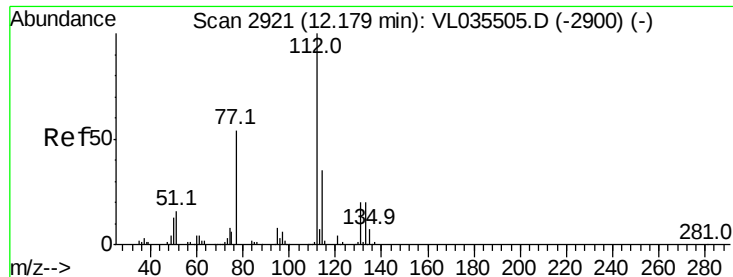
Tgt Ion:117 Resp: 5308169
Ion Ratio Lower Upper
117 100
82 45.1 41.6 62.4
119 28.7 29.3 43.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.774 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion:131 Resp: 1895154
Ion Ratio Lower Upper
131 100
133 95.9 76.6 115.0
119 63.9 51.6 77.4

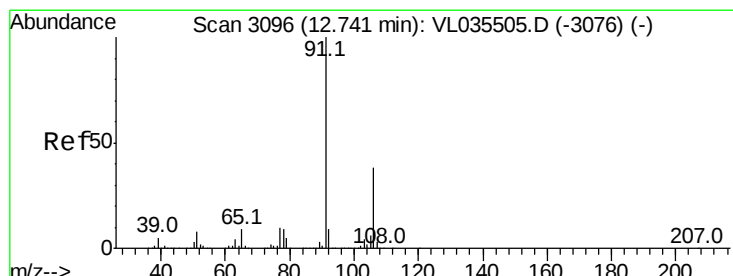
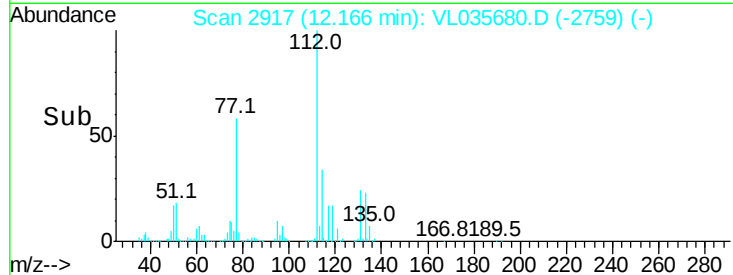
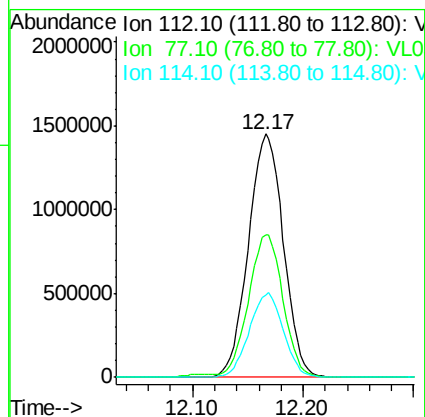
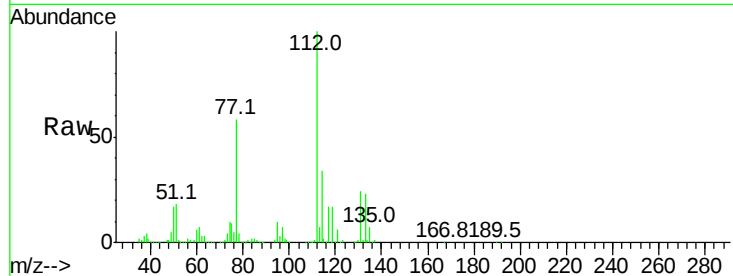




#57
Chlorobenzene
Concen: 8.160 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

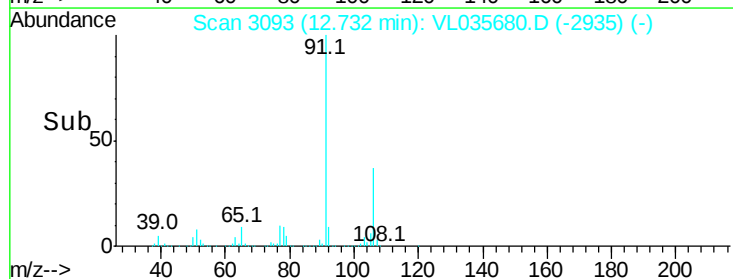
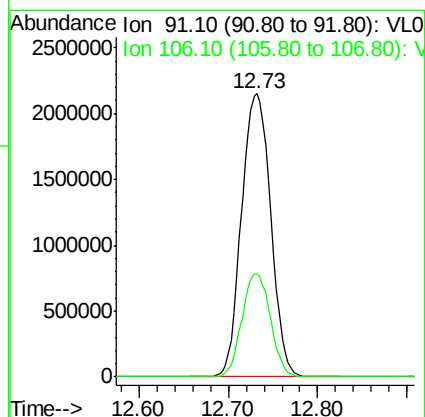
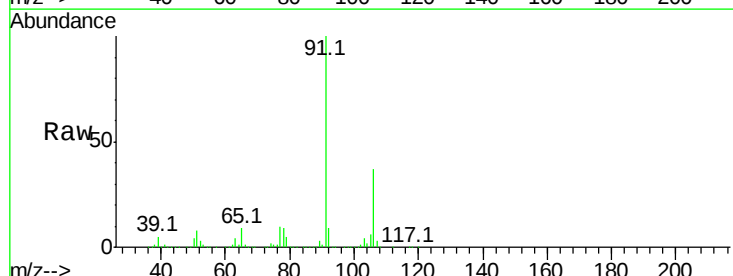
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

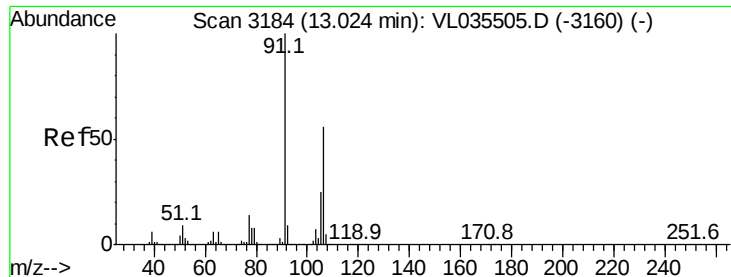
Tgt Ion: 112 Resp: 3187845
Ion Ratio Lower Upper
112 100
77 58.3 44.2 66.4
114 33.7 31.6 38.6



#58
Ethyl Benzene
Concen: 8.941 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion: 91 Resp: 4893932
Ion Ratio Lower Upper
91 100
106 36.6 30.3 45.5

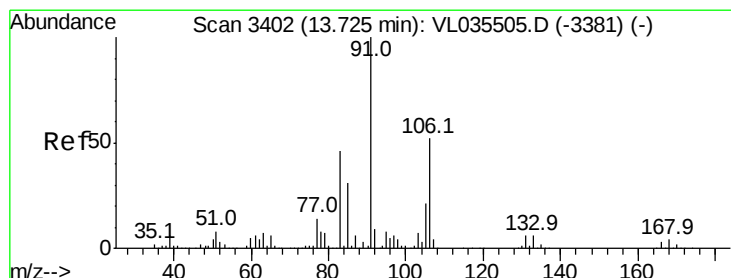
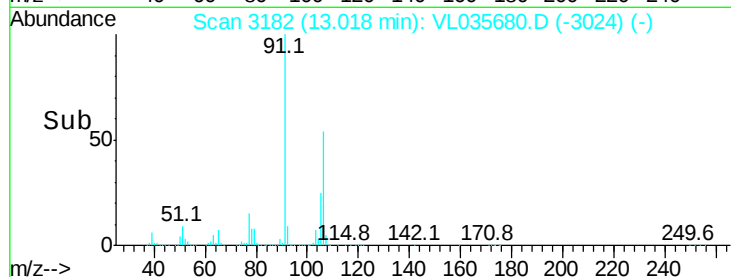
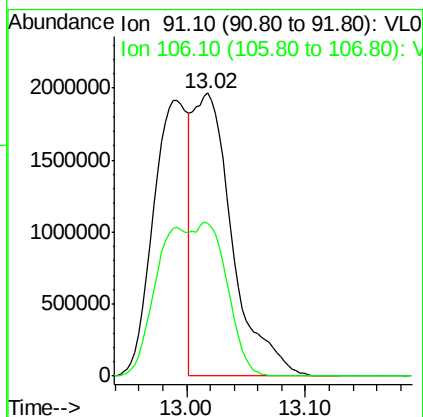
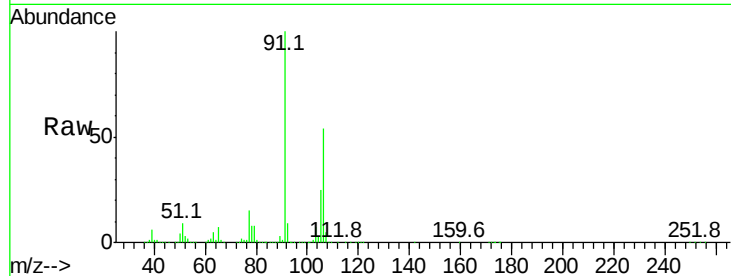




#59
m/p-Xylene
Concen: 9.885 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

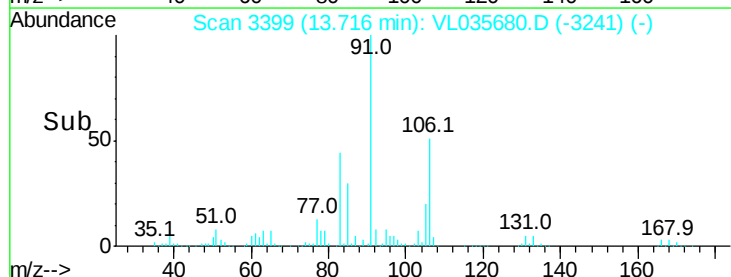
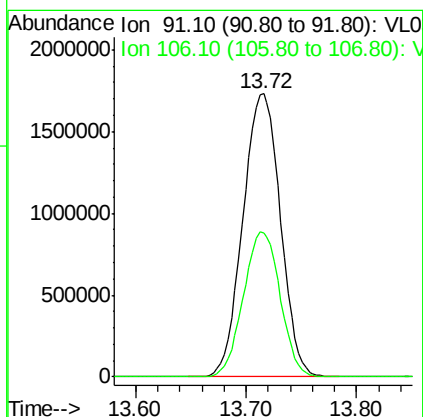
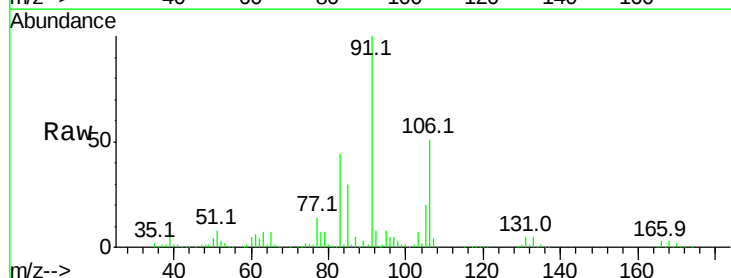
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

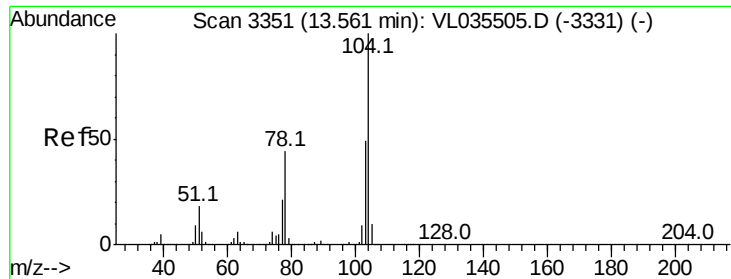
Tgt Ion: 91 Resp: 4521302
Ion Ratio Lower Upper
91 100
106 93.0 43.4 65.2#



#60
o-Xylene
Concen: 8.856 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion: 91 Resp: 4079511
Ion Ratio Lower Upper
91 100
106 50.3 25.8 77.4





#61

Styrene

Concen: 9.209 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

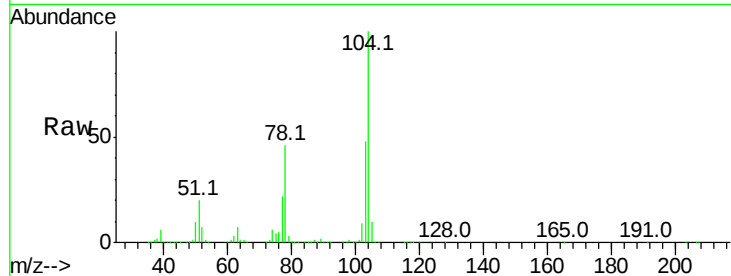
Tgt Ion:104 Resp: 3244624

Ion Ratio Lower Upper

104 100

78 45.6 34.8 52.2

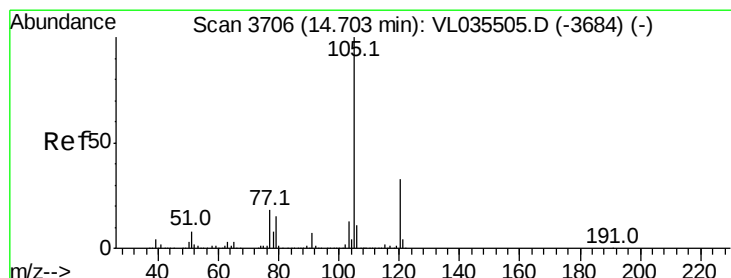
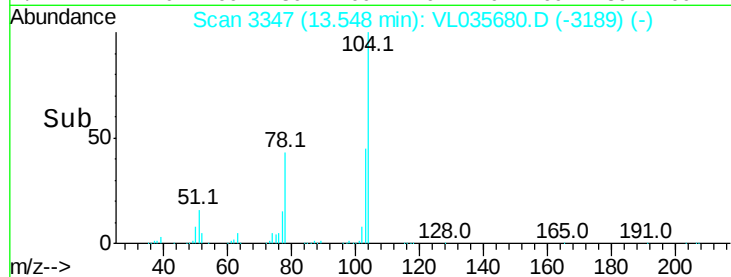
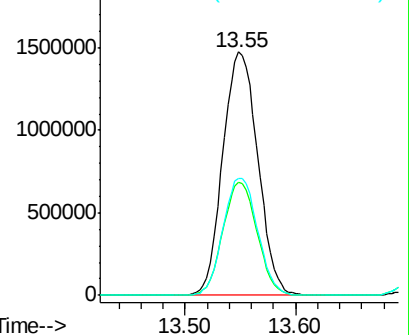
103 47.8 38.2 57.4



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: 8.347 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.01 min

Lab File: VL035680.D

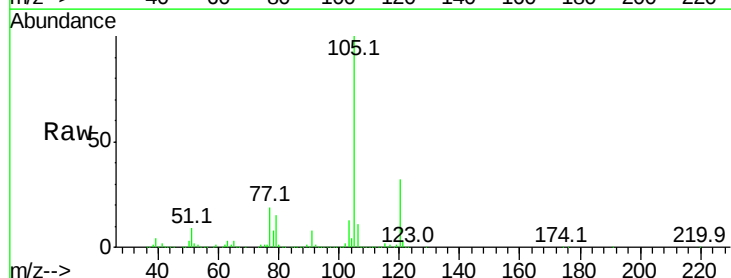
Acq: 18 Sep 2020 11:08

Tgt Ion:105 Resp: 6176842

Ion Ratio Lower Upper

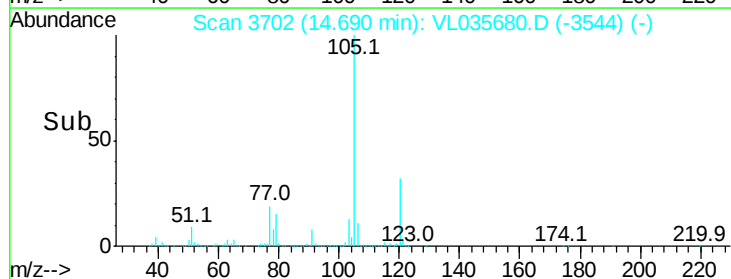
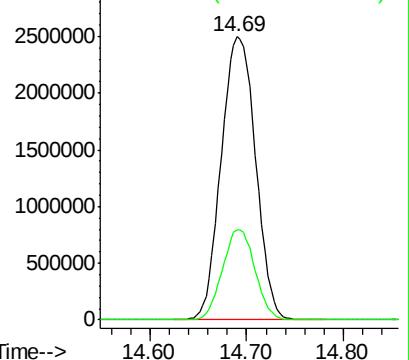
105 100

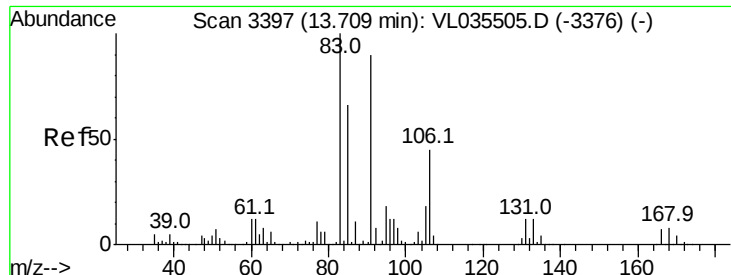
120 30.1 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

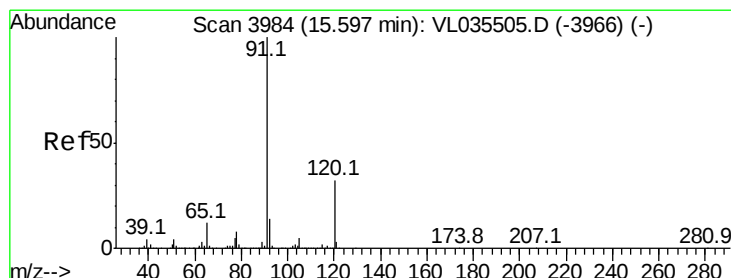
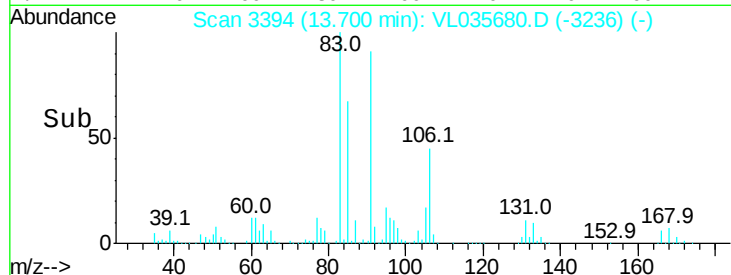
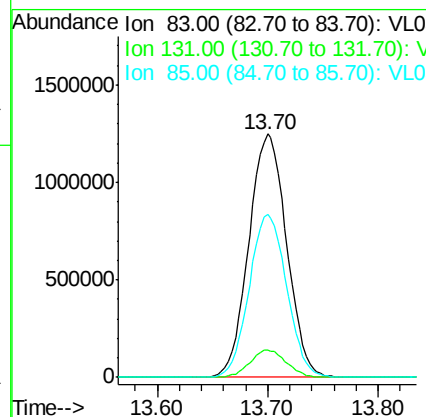
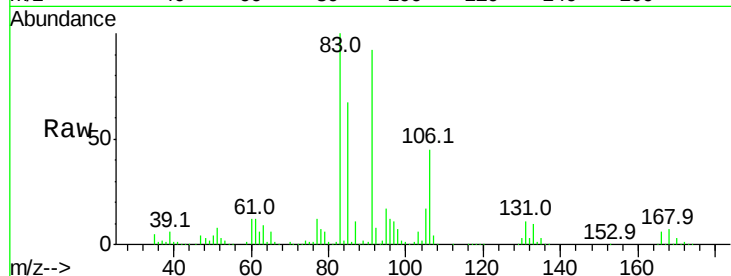




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.288 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

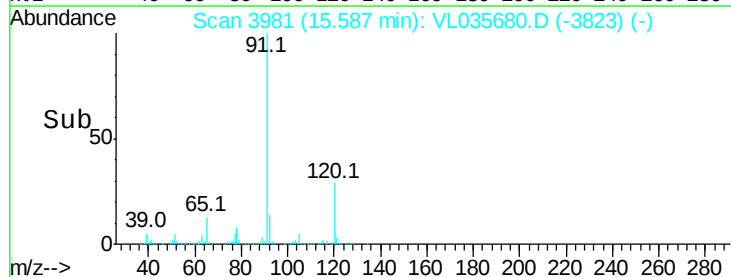
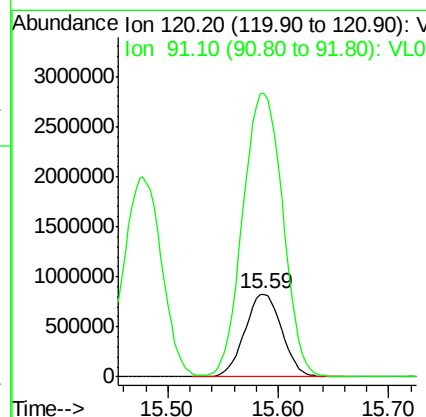
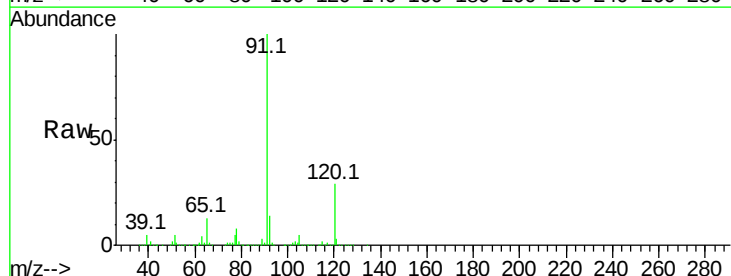
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

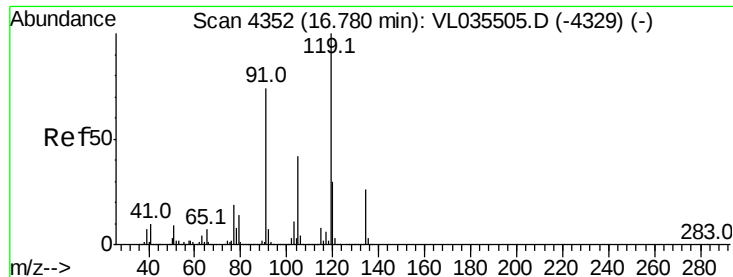
Tgt Ion: 83 Resp: 2960185
 Ion Ratio Lower Upper
 83 100
 131 10.9 6.0 18.0
 85 66.8 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.507 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Tgt Ion: 120 Resp: 1921201
 Ion Ratio Lower Upper
 120 100
 91 372.9 279.4 419.0





#65

tert-Butylbenzene

Concen: 8.397 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

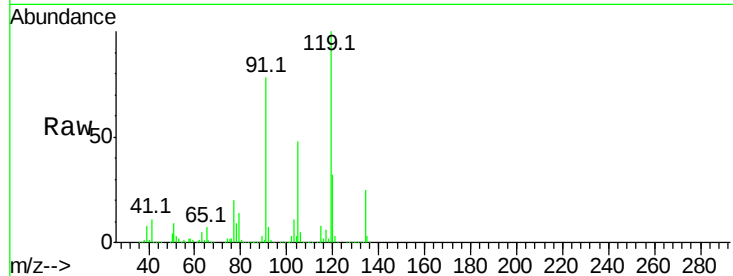
Tgt Ion:119 Resp: 5776265

Ion Ratio Lower Upper

119 100

91 76.8 58.6 87.8

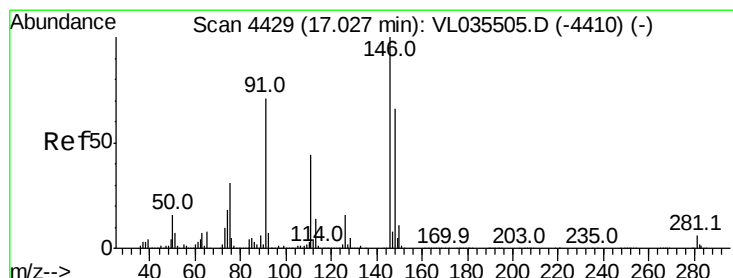
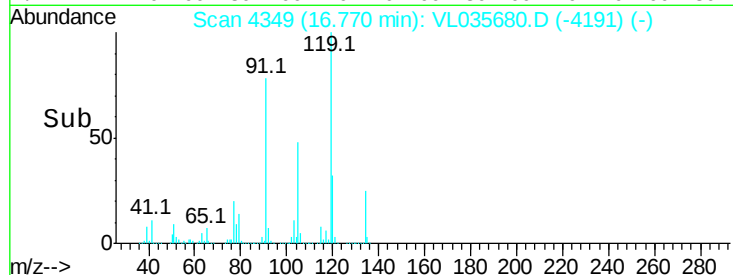
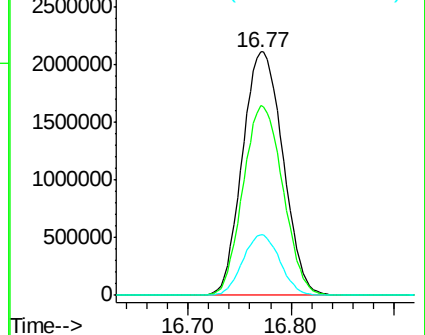
134 22.8 18.9 28.3



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.921 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

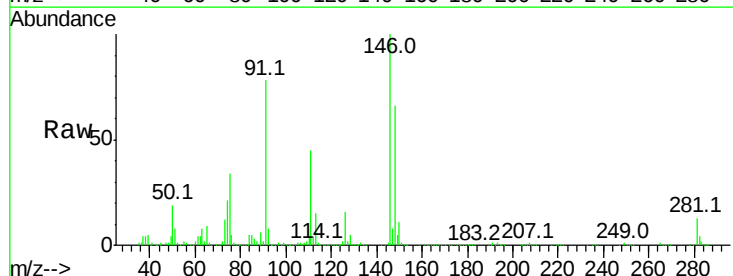
Tgt Ion: 91 Resp: 2208989

Ion Ratio Lower Upper

91 100

126 19.6 17.2 25.8

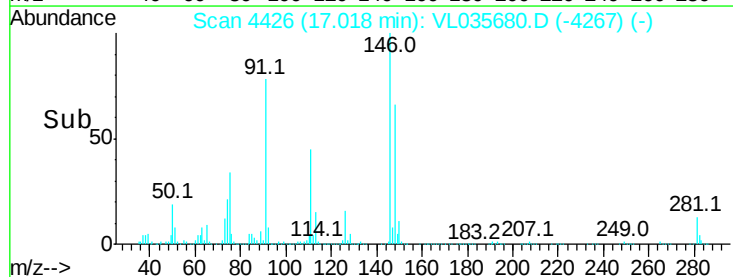
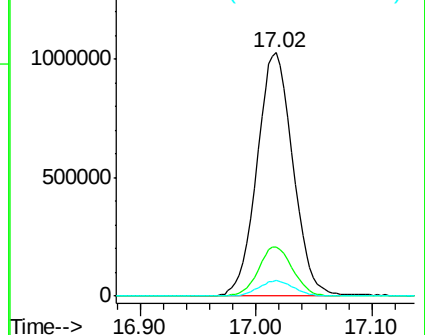
128 6.2 5.5 8.3

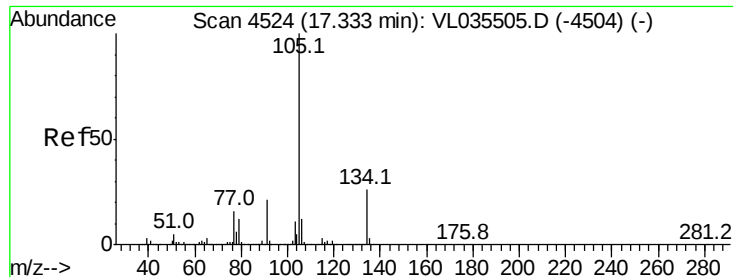


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

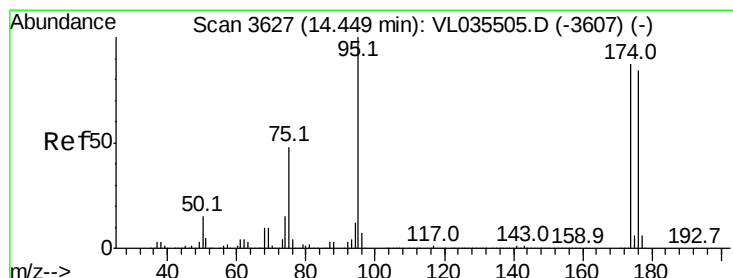
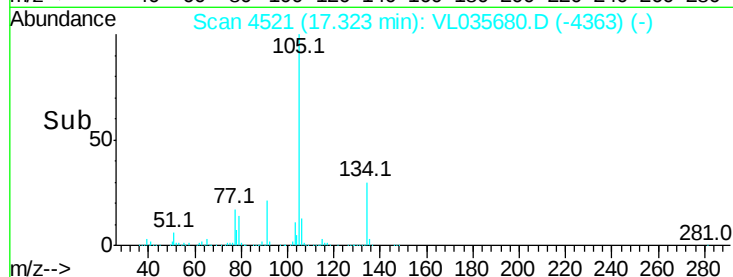
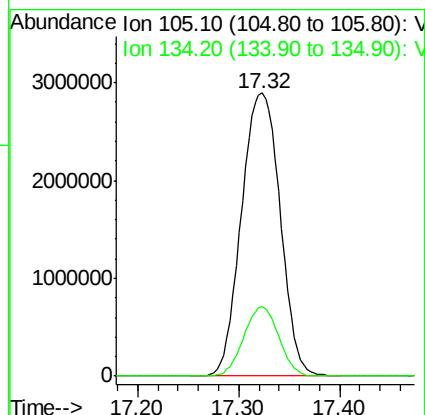
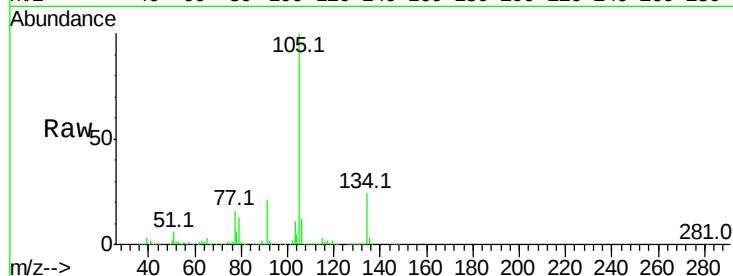




#67
 sec-Butylbenzene
 Concen: 8.420 ppbv
 RT: 17.32 min Scan# 4521
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

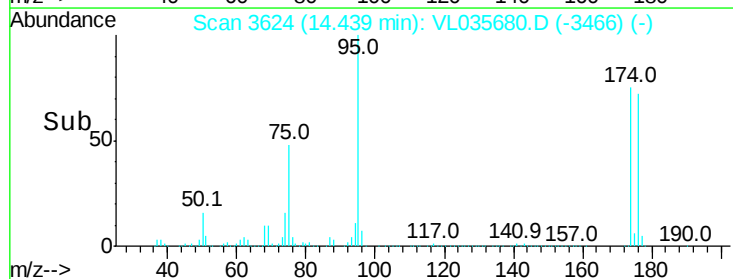
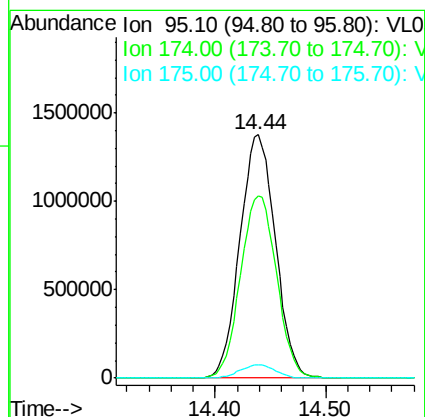
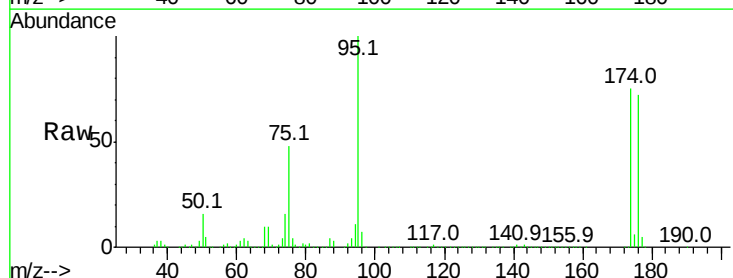
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

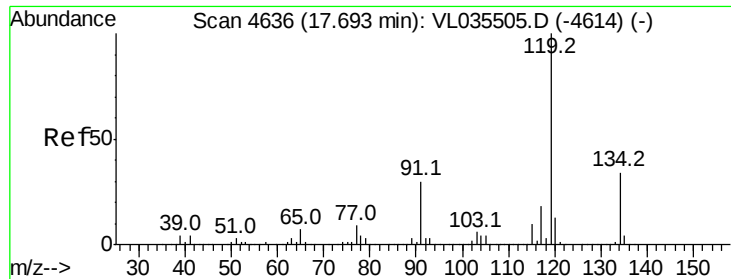
Tgt Ion: 105 Resp: 7716212
 Ion Ratio Lower Upper
 105 100
 134 22.2 19.1 28.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.156 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Tgt Ion: 95 Resp: 3074485
 Ion Ratio Lower Upper
 95 100
 174 76.3 69.6 104.4
 175 5.5 5.1 7.7

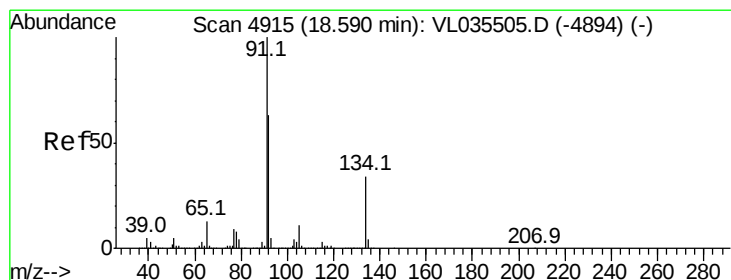
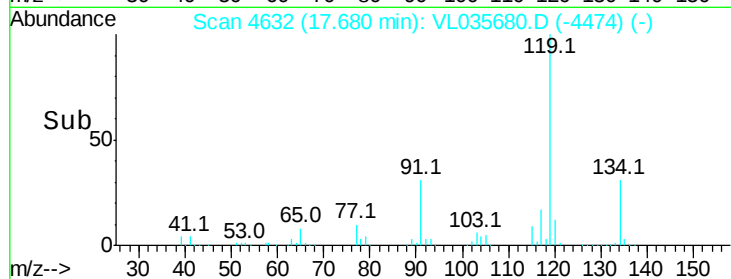
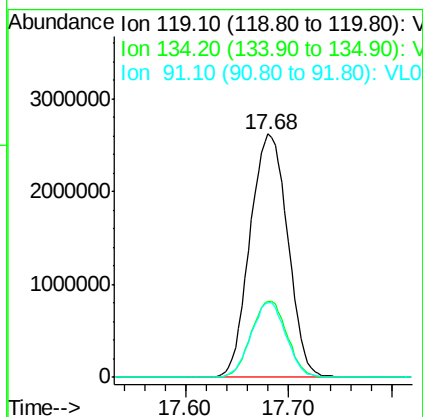
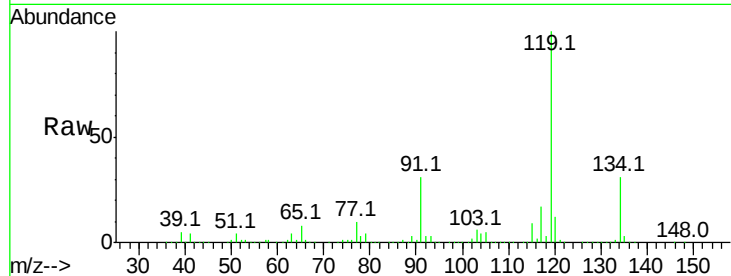




#69
p-Isopropyltoluene
Concen: 8.253 ppbv
RT: 17.68 min Scan# 4632
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

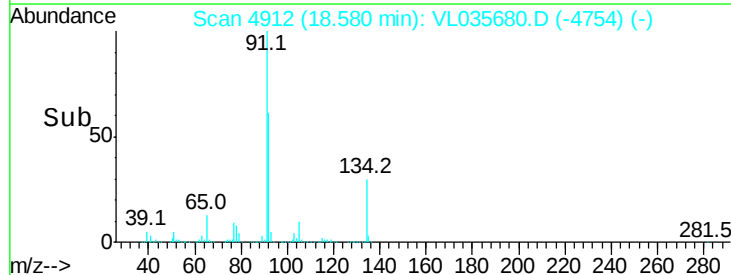
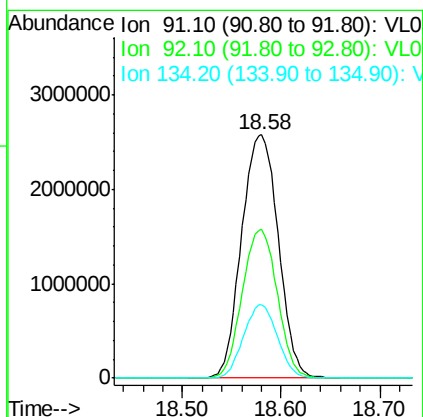
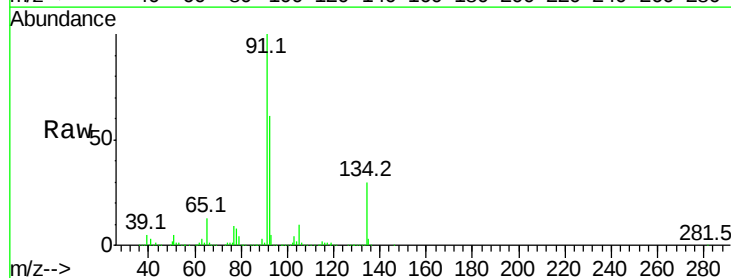
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

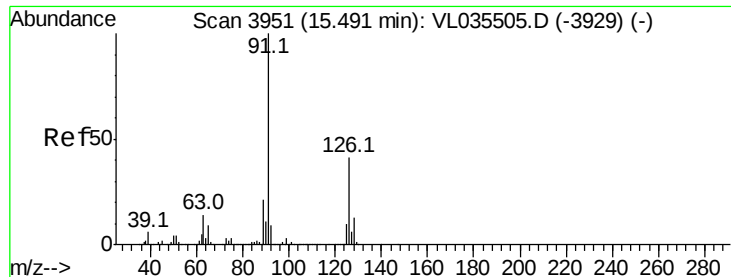
Tgt Ion:119 Resp: 6634539
Ion Ratio Lower Upper
119 100
134 29.8 25.0 37.4
91 28.7 22.3 33.5



#70
n-Butylbenzene
Concen: 8.563 ppbv
RT: 18.58 min Scan# 4912
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion: 91 Resp: 6630796
Ion Ratio Lower Upper
91 100
92 58.2 47.3 70.9
134 27.9 24.6 37.0

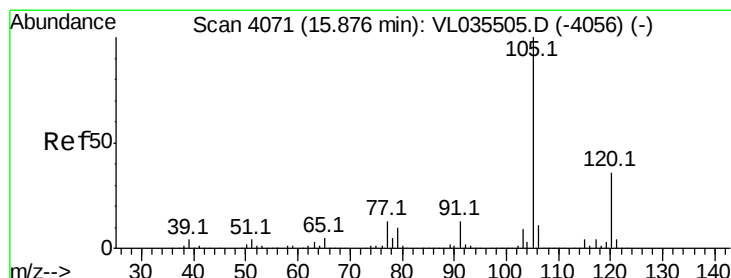
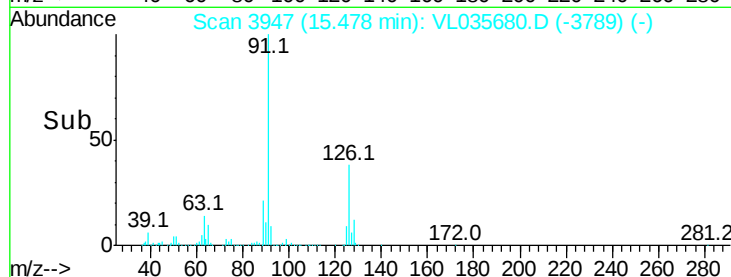
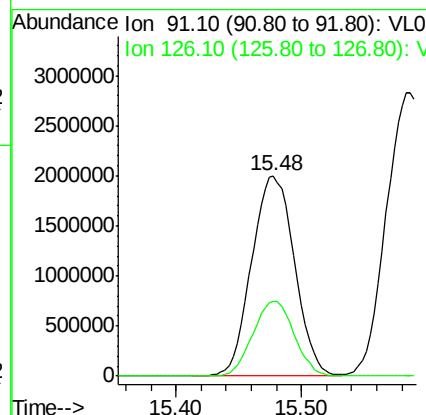
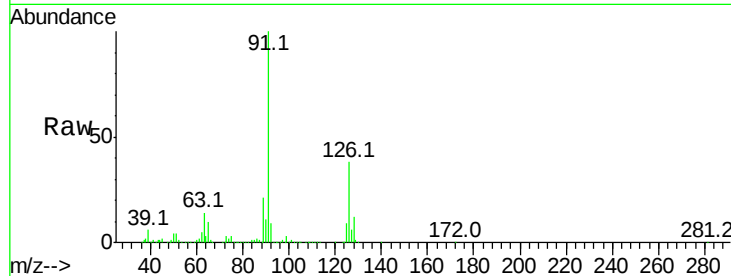




#71
 2-Chlorotoluene
 Concen: 8.827 ppbv
 RT: 15.48 min Scan# 3947
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

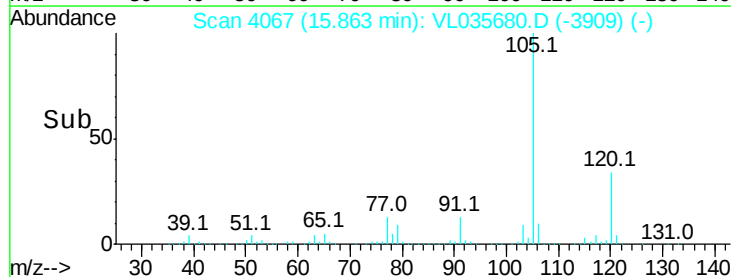
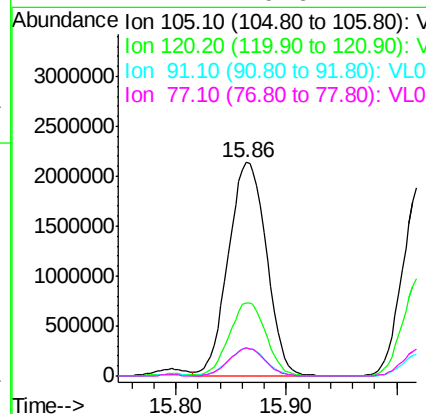
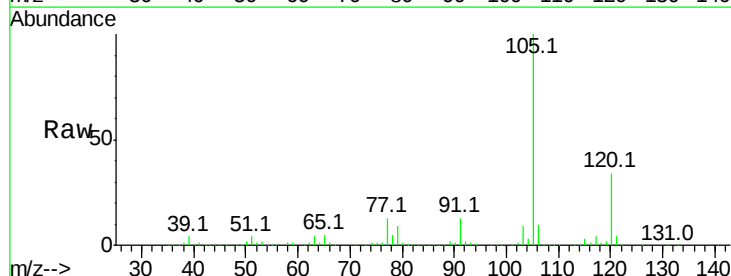
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

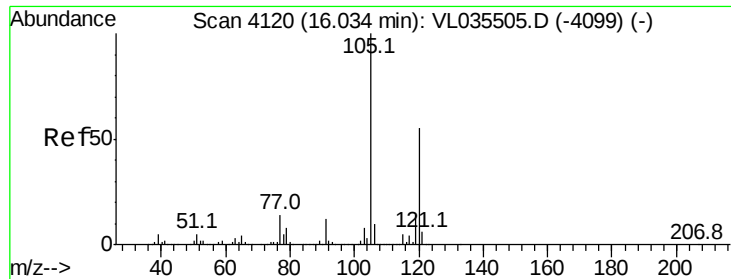
Tgt Ion: 91 Resp: 4756800
 Ion Ratio Lower Upper
 91 100
 126 36.2 15.6 62.6



#72
 4-Ethyltoluene
 Concen: 8.752 ppbv
 RT: 15.86 min Scan# 4067
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Tgt Ion: 105 Resp: 5125795
 Ion Ratio Lower Upper
 105 100
 120 33.1 27.4 41.2
 91 12.5 9.7 14.5
 77 12.4 9.6 14.4

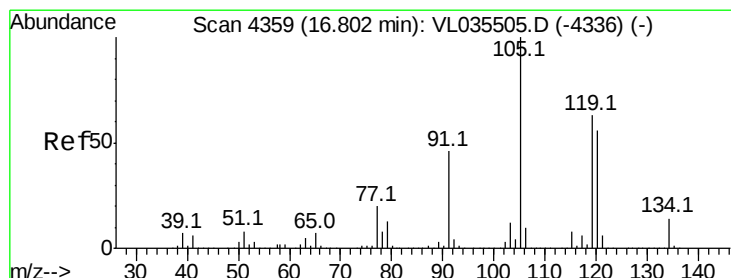
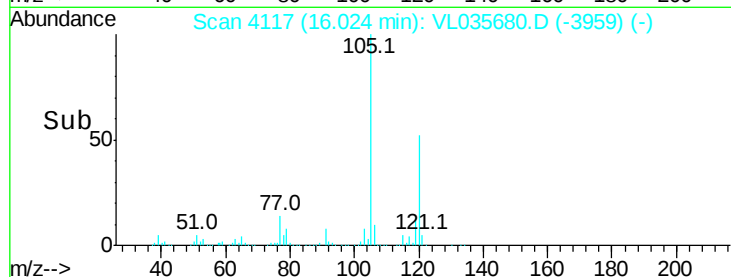
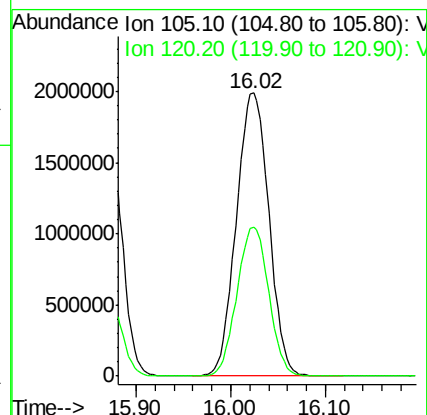
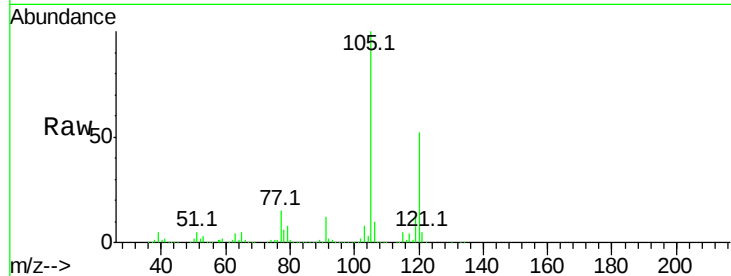




#73
 1,3,5-Trimethylbenzene
 Concen: 8.762 ppbv
 RT: 16.02 min Scan# 4117
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

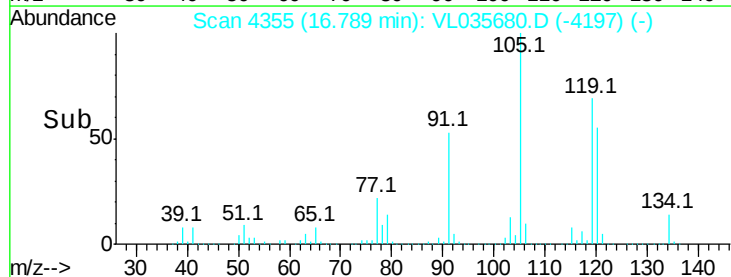
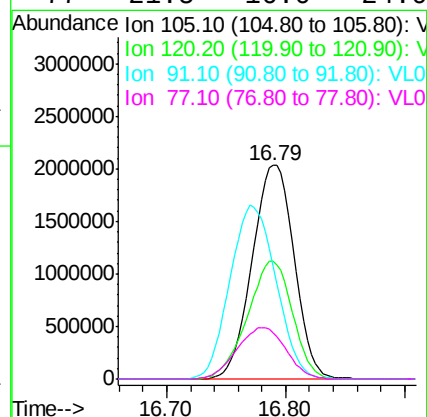
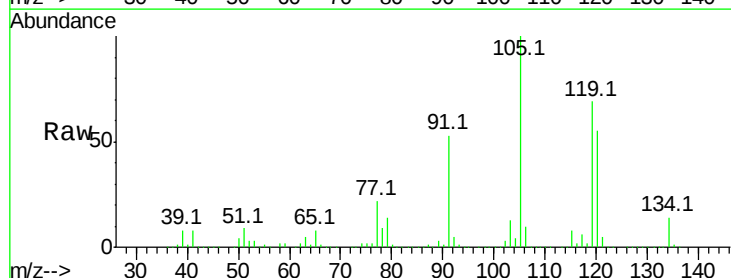
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

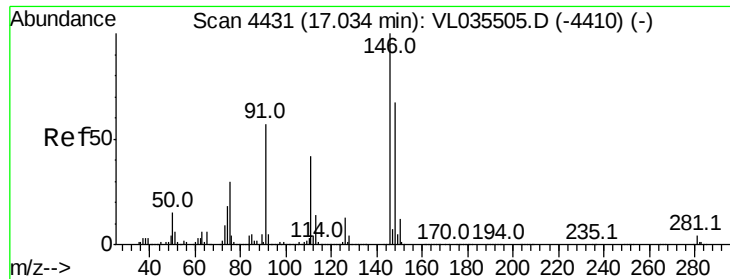
Tgt Ion:105 Resp: 4746313
 Ion Ratio Lower Upper
 105 100
 120 52.5 44.2 66.2



#74
 1,2,4-Trimethylbenzene
 Concen: 8.353 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Tgt Ion:105 Resp: 4968623
 Ion Ratio Lower Upper
 105 100
 120 54.9 44.4 66.6
 91 52.5 37.1 55.7
 77 21.5 16.0 24.0





#75

1,3-Dichlorobenzene

Concen: 7.609 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

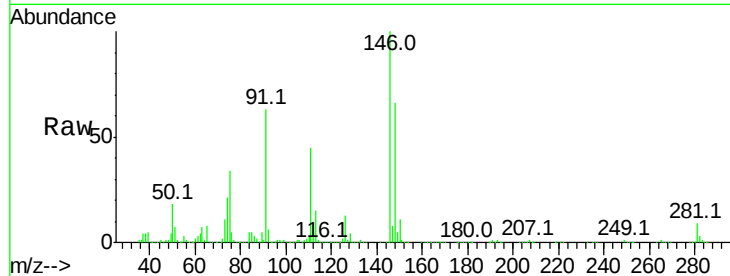
Tgt Ion:146 Resp: 3352820

Ion Ratio Lower Upper

146 100

111 44.1 20.7 62.1

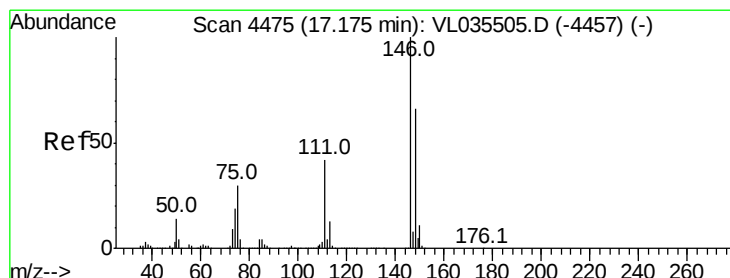
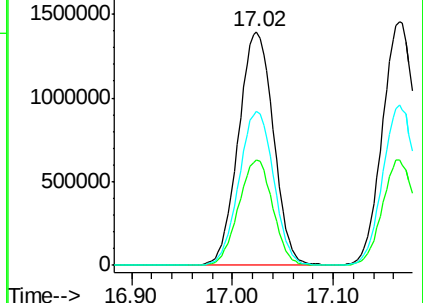
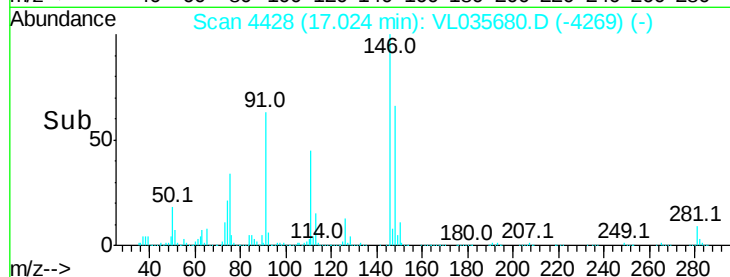
148 65.3 33.0 98.9



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



#76

1,4-Dichlorobenzene

Concen: 7.771 ppbv

RT: 17.17 min Scan# 4472

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

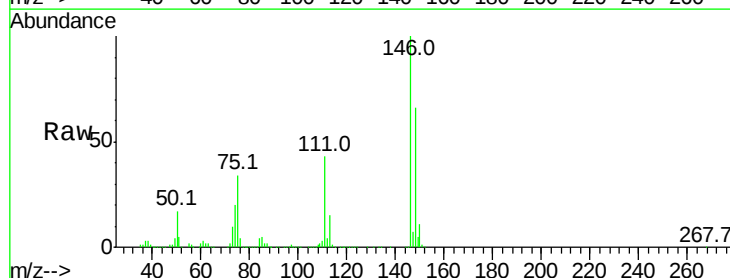
Tgt Ion:146 Resp: 3377044

Ion Ratio Lower Upper

146 100

111 42.5 20.0 60.0

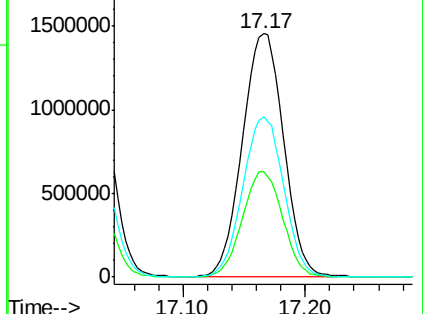
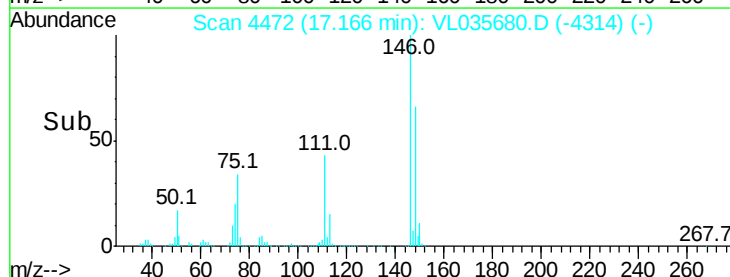
148 65.8 33.2 99.6

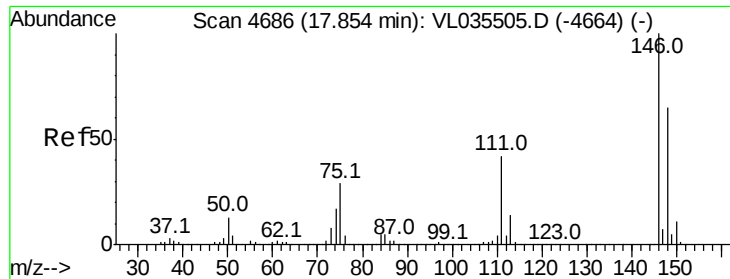


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.698 ppbv

RT: 17.84 min Scan# 4683

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

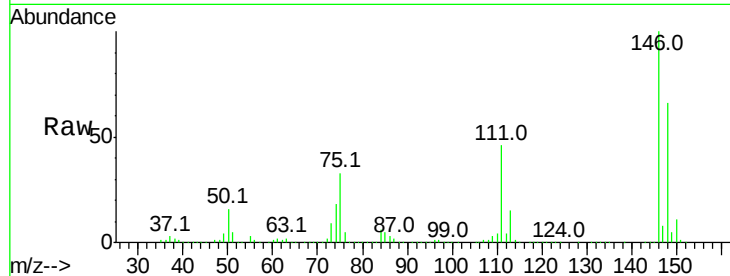
Tgt Ion:146 Resp: 3286424

Ion Ratio Lower Upper

146 100

111 45.0 21.1 63.3

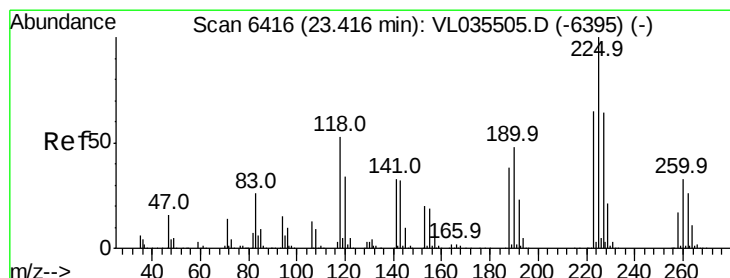
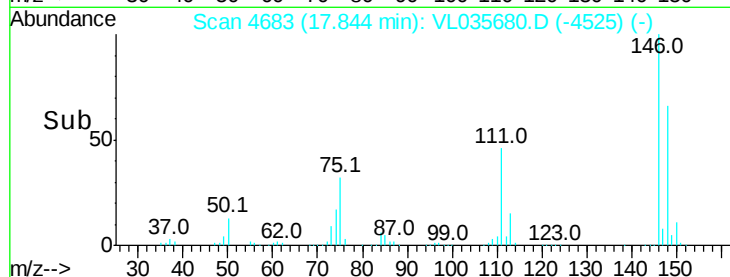
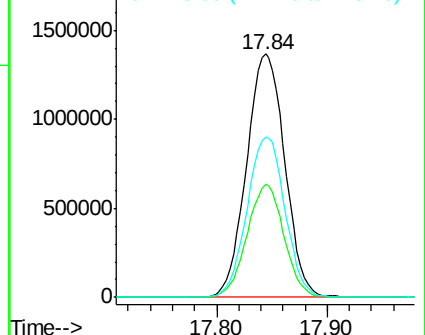
148 65.7 32.9 98.7



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: 7.017 ppbv

RT: 23.41 min Scan# 6413

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

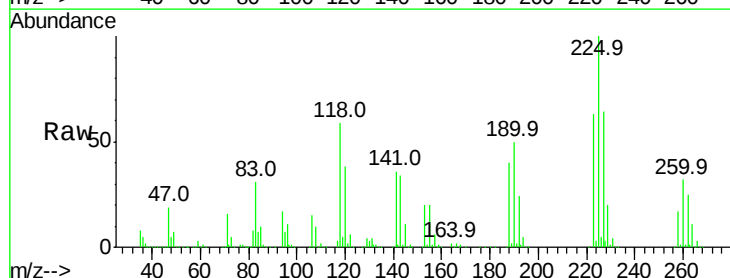
Tgt Ion:225 Resp: 1912504

Ion Ratio Lower Upper

225 100

223 64.2 51.7 77.5

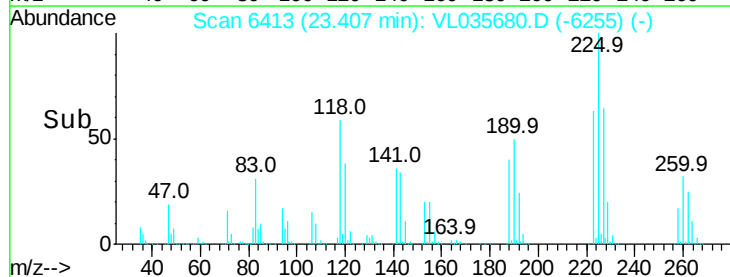
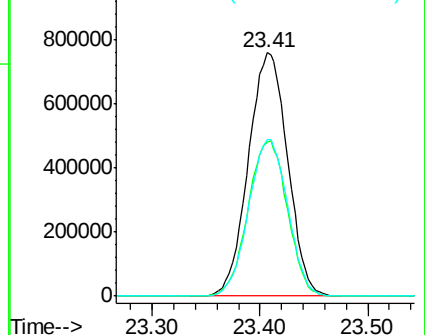
227 64.4 51.5 77.3

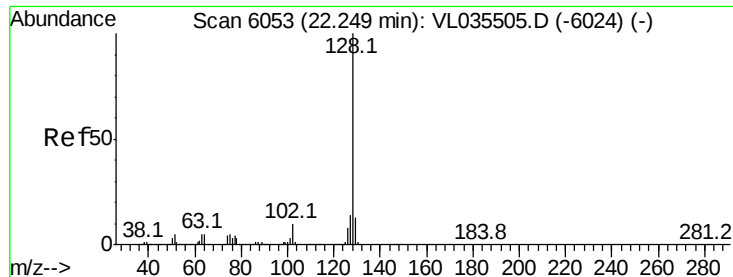


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.426 ppbv

RT: 22.24 min Scan# 6049

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

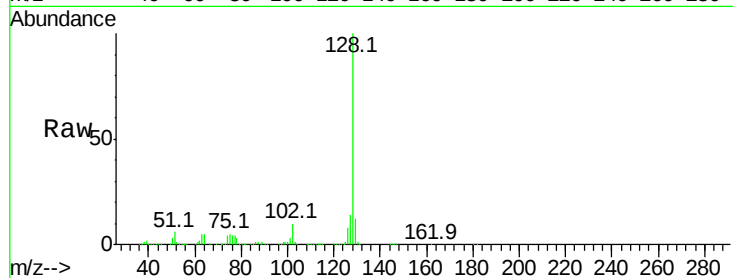
Tgt Ion:128 Resp: 5561603

Ion Ratio Lower Upper

128 100

127 13.7 11.4 17.2

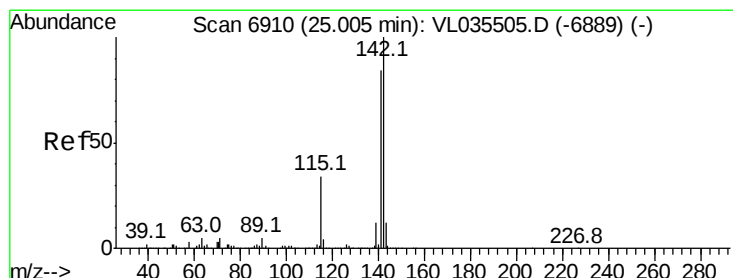
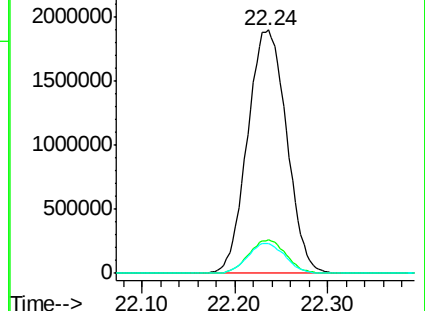
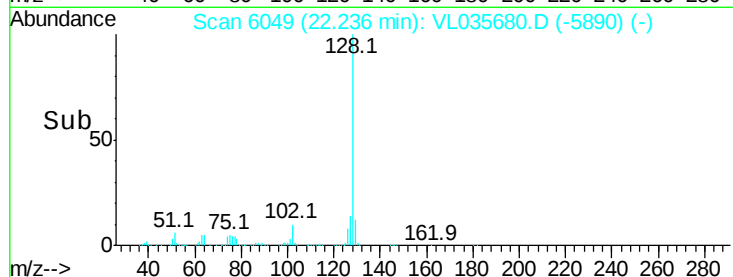
129 12.3 10.5 15.7



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: 9.394 ppbv

RT: 25.00 min Scan# 6908

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

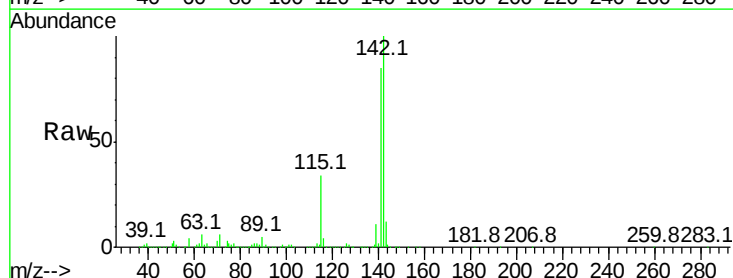
Tgt Ion:142 Resp: 2116322

Ion Ratio Lower Upper

142 100

141 84.3 67.6 101.4

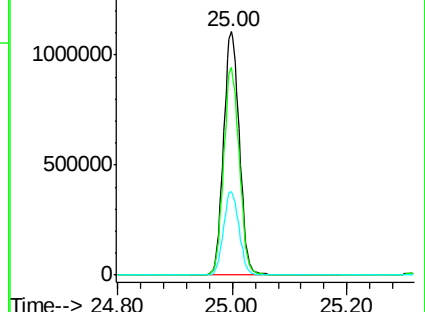
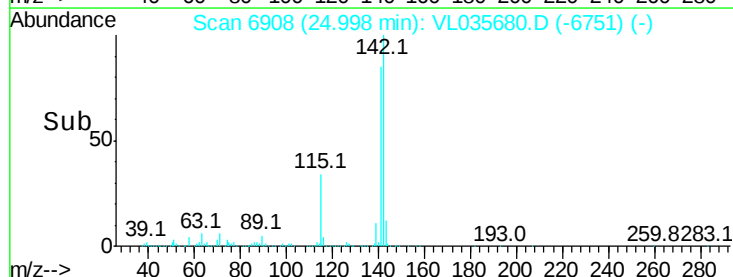
115 34.0 25.8 38.8

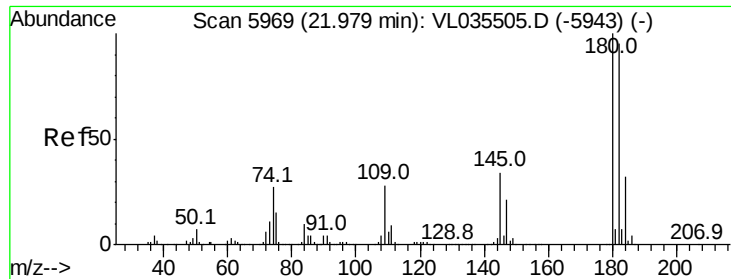


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

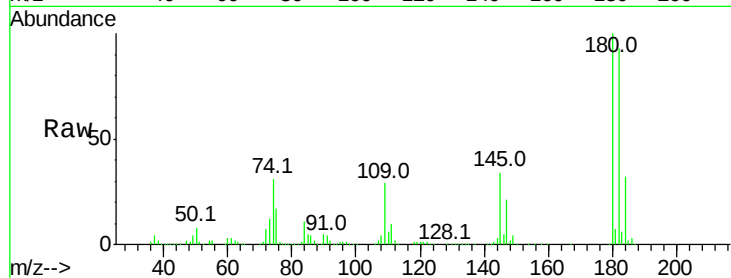




#81
 1,2,4-Trichlorobenzene
 Concen: 7.265 ppbv
 RT: 21.97 min Scan# 5965
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 2871584
 Ion Ratio Lower Upper
 180 100
 182 94.9 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

