

Data File : VL035594.D
Acq On : 11 Sep 2020 8:47
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Sep 11 09:33:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Aug 27 06:46:28 2020
QLast Update : Thu Aug 27 06:46:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1080018	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4436039	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	5624337	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3406306	8.53	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	1628116	8.699	ppbv	100
3) Chlorodifluoromethane	2.97	51	1104575	9.247	ppbv	99
4) Chloromethane	3.13	50	587278	9.177	ppbv	99
5) Vinyl Chloride	3.24	62	703758	8.920	ppbv	99
6) Bromomethane	3.46	94	624755	9.427	ppbv	100
7) Chloroethane	3.55	64	265719	9.526	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2076612	9.161	ppbv	95
9) Propene	2.99	41	421189	9.146	ppbv	100
10) Heptane	8.12	43	1220938	9.871	ppbv	99
11) Trichlorofluoromethane	3.94	101	2484868	9.104	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1899724	9.222	ppbv	93
13) Ethanol	3.59	45	106726	9.348	ppbv	98
14) Bromoethene	3.73	108	852305	9.612	ppbv	100
15) Acetone	3.84	43	948740	7.965	ppbv	99
16) 1,3-Butadiene	3.31	39	438792	9.896	ppbv	98
17) tert-Butyl alcohol	4.28	59	1416402	9.769	ppbv	100
18) 1,1-Dichloroethene	4.28	96	881293	9.715	ppbv	98
19) Isopropyl Alcohol	3.96	45	734414	10.335	ppbv	99
20) Methylene Chloride	4.33	84	717015	8.082	ppbv	98
21) Allyl Chloride	4.40	41	583079	10.448	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	924526	9.573	ppbv	95
23) Vinyl Acetate	5.07	43	1469815	9.614	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1474268	9.370	ppbv	100
25) Ethyl Acetate	5.67	43	2007919	9.542	ppbv	100
26) Hexane	5.68	57	1131717	9.492	ppbv	99
27) Carbon Disulfide	4.54	76	1938411	11.329	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1947315	9.371	ppbv	100
29) Chloroform	5.74	83	2329586	9.589	ppbv	98
30) Cyclohexane	7.13	84	1276096	9.991	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1211801	9.906	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2275173	9.654	ppbv	99
34) 2-Butanone	5.24	43	1360867	10.337	ppbv	99
35) Carbon Tetrachloride	7.01	117	2396741	10.750	ppbv	99
36) Benzene	6.89	78	2914841	10.151	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1418332	10.360	ppbv	99
38) Trichloroethene	7.83	130	1522337	9.127	ppbv	95
39) 1,2-Dichloropropane	7.61	63	987052	10.176	ppbv	99
40) 1,4-Dioxane	7.83	88	532614	10.991	ppbv	93
41) Tetrahydrofuran	6.04	42	767130	10.989	ppbv	99
42) Bromodichloromethane	7.79	83	2459981	11.112	ppbv	100
43) Methyl Methacrylate	8.01	69	1233473	11.109	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
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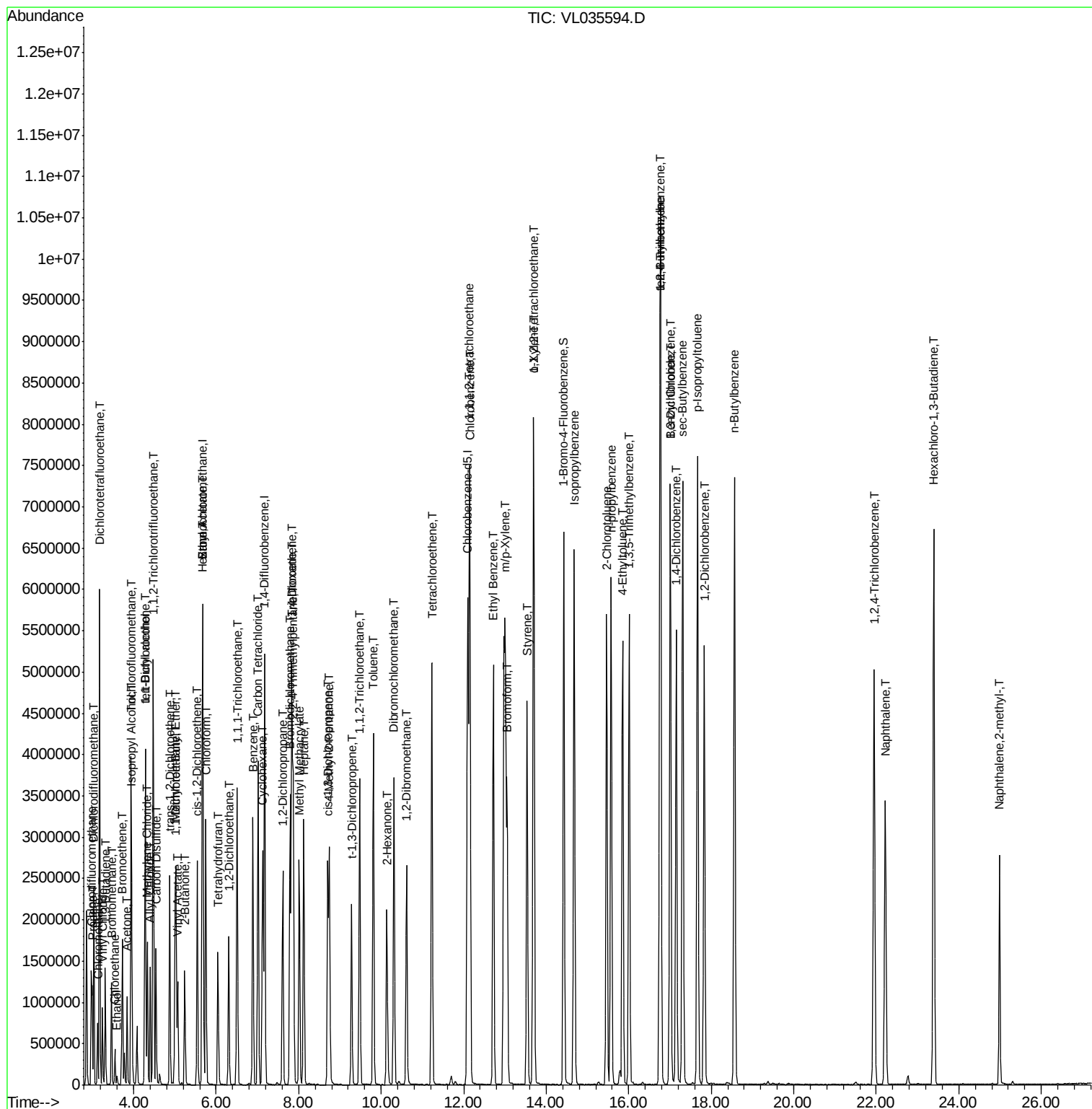
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3875096	10.256	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1373378	12.210	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1658176	11.873	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1456338	10.175	ppbv	98
48) Dibromochloromethane	10.31	129	2473071	10.978	ppbv	100
49) Bromoform	13.05	173	2225626	10.901	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2029269	10.645	ppbv	100
51) 2-Hexanone	10.14	43	1681798	10.755	ppbv #	99
52) Tetrachloroethene	11.23	164	1437843	8.571	ppbv	97
53) Toluene	9.81	91	3714237	10.286	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2280837	10.085	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	1932031	8.442	ppbv	97
57) Chlorobenzene	12.16	112	3181950	7.687	ppbv	97
58) Ethyl Benzene	12.72	91	4853284	8.368	ppbv	99
59) m/p-Xylene	13.01	91	4564806	9.419	ppbv #	48
60) o-Xylene	13.70	91	4064589	8.327	ppbv	98
61) Styrene	13.54	104	3233642	8.662	ppbv	99
62) Isopropylbenzene	14.68	105	6127985	7.816	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	2939961	7.769	ppbv	99
64) n-propylbenzene	15.57	120	1897987	7.932	ppbv	90
65) tert-Butylbenzene	16.76	119	5745487	7.883	ppbv	97
66) Benzyl Chloride	17.00	91	1881233	10.386	ppbv	95
67) sec-Butylbenzene	17.31	105	7572545	7.798	ppbv	97
69) p-Isopropyltoluene	17.67	119	6464409	7.589	ppbv	98
70) n-Butylbenzene	18.56	91	6319607	7.702	ppbv	98
71) 2-Chlorotoluene	15.46	91	4680181	8.197	ppbv	96
72) 4-Ethyltoluene	15.85	105	4992413	8.045	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	4669978	8.137	ppbv	97
74) 1,2,4-Trimethylbenzene	16.78	105	4867661	7.723	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	3298851	7.066	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	3295208	7.157	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	3193473	7.060	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1819810	6.302	ppbv	99
79) Naphthalene	22.22	128	4967858	7.103	ppbv	98
80) Naphthalene,2-methyl-	24.99	142	1620408	6.788	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	2690602	6.424	ppbv	100

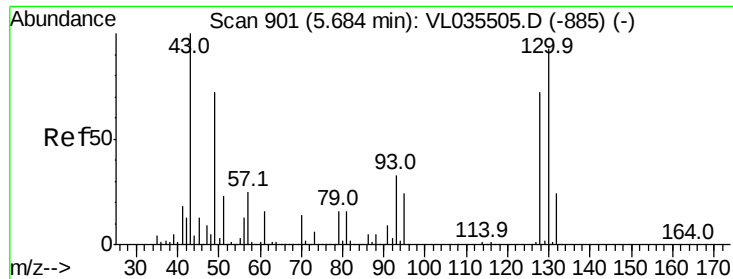
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

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ClientSampleId :
VSTDCCC010EC

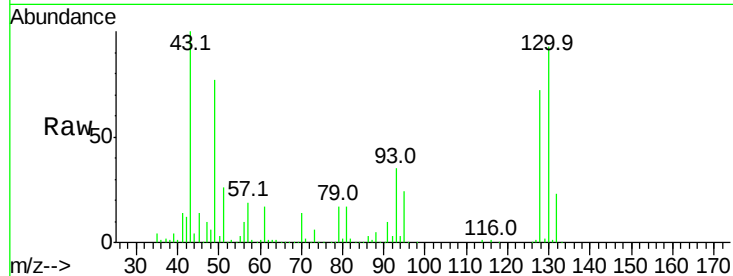
Tgt Ion: 49 Resp: 1080018

Ion Ratio Lower Upper

49 100

128 92.1 50.0 150.1

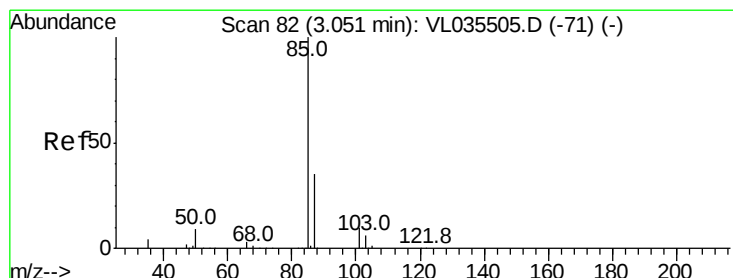
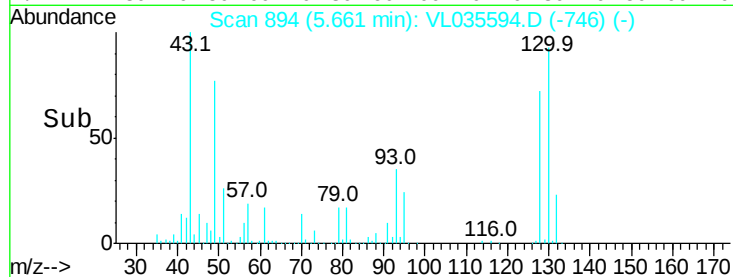
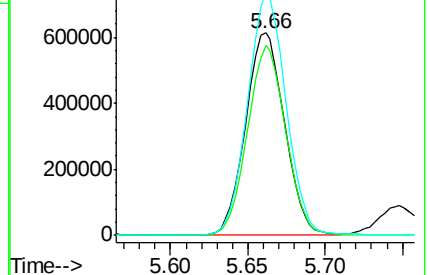
130 118.1 64.4 193.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.699 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL035594.D

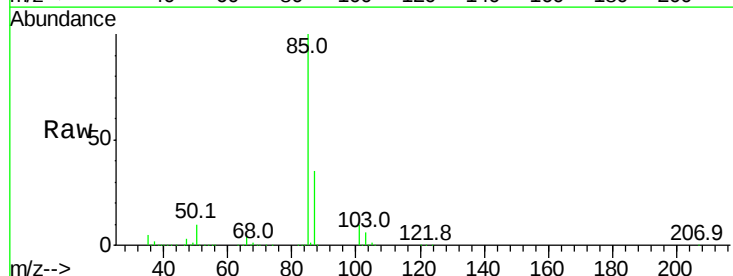
Acq: 11 Sep 2020 8:47

Tgt Ion: 85 Resp: 1628116

Ion Ratio Lower Upper

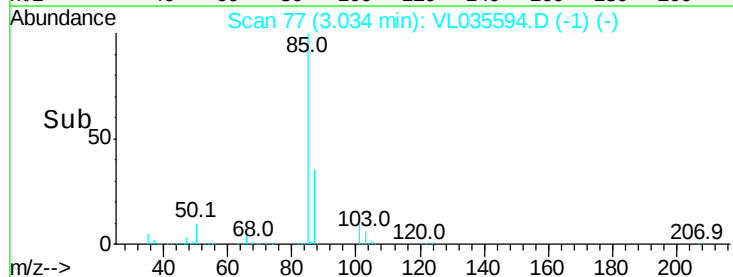
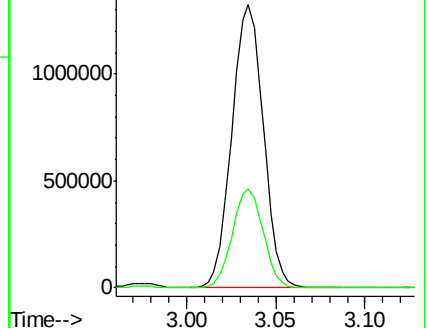
85 100

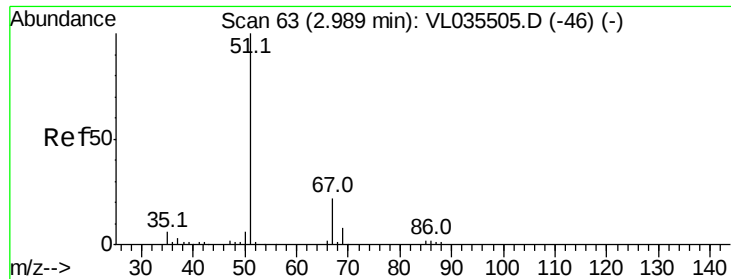
87 34.9 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.247 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.02 min

Lab File: VL035594.D

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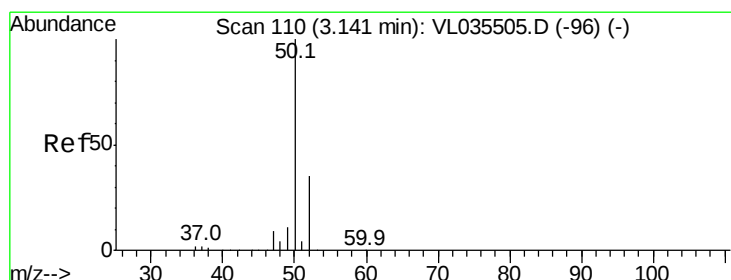
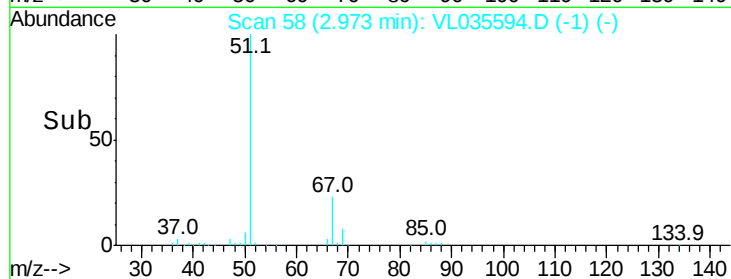
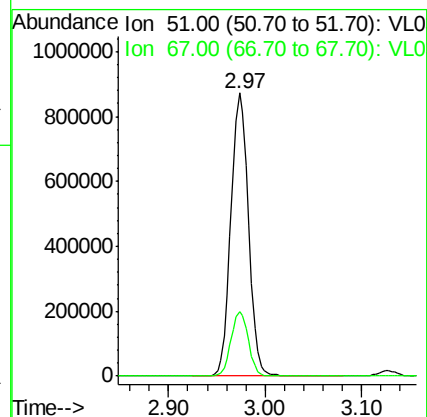
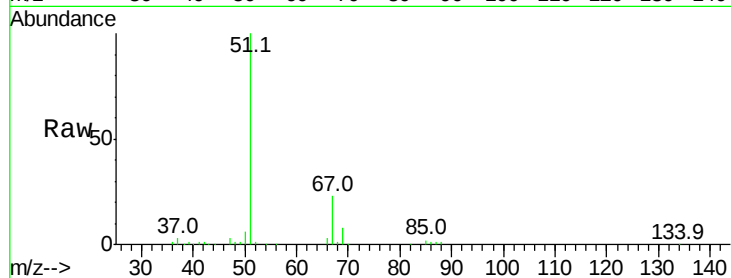
VSTDCCC010EC

Tgt Ion: 51 Resp: 1104575

Ion Ratio Lower Upper

51 100

67 22.5 17.8 26.8



#4

Chloromethane

Concen: 9.177 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL035594.D

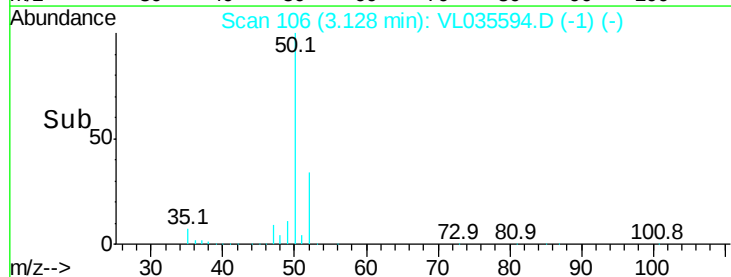
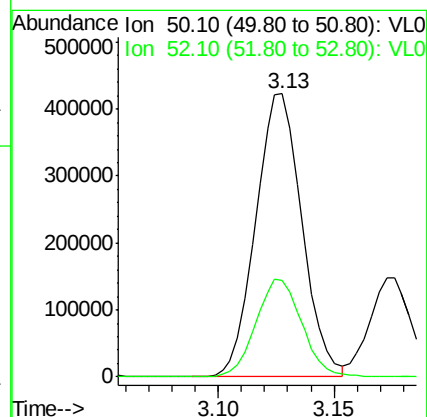
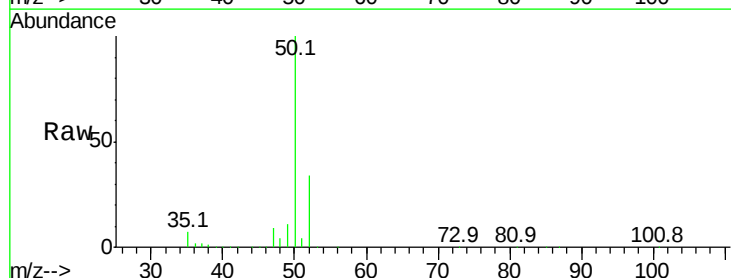
Acq: 11 Sep 2020 8:47

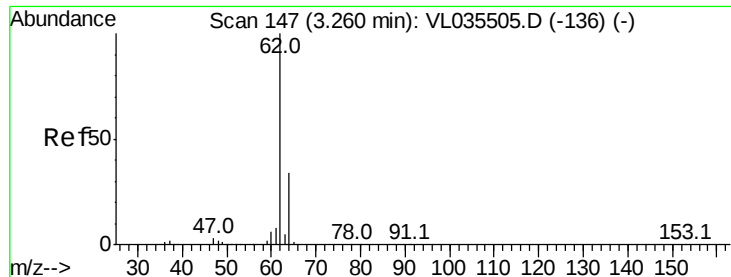
Tgt Ion: 50 Resp: 587278

Ion Ratio Lower Upper

50 100

52 34.1 27.7 41.5





#5

Vinyl Chloride

Concen: 8.920 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

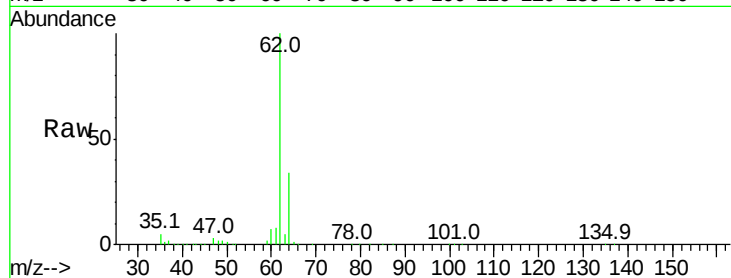
VSTDCCC010EC

Tgt Ion: 62 Resp: 703758

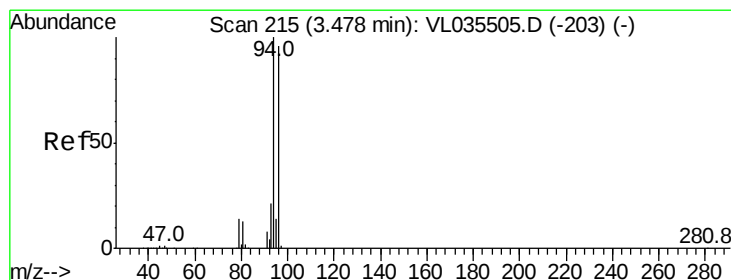
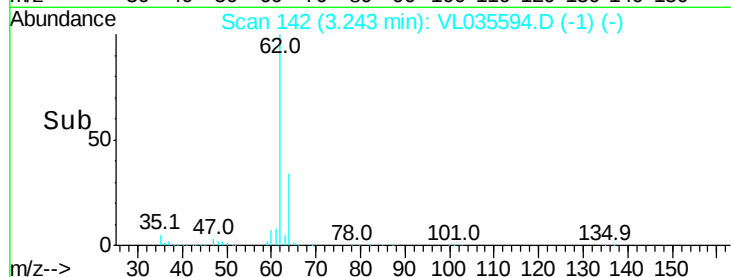
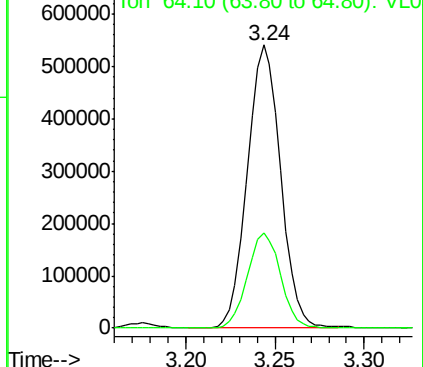
Ion Ratio Lower Upper

62 100

64 33.8 27.4 41.2



Abundance Ion 62.10 (61.80 to 62.80): VL0



#6

Bromomethane

Concen: 9.427 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.02 min

Lab File: VL035594.D

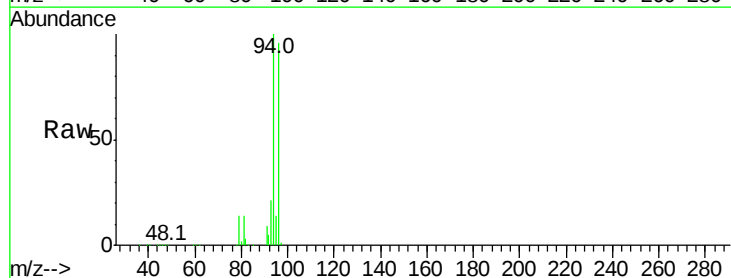
Acq: 11 Sep 2020 8:47

Tgt Ion: 94 Resp: 624755

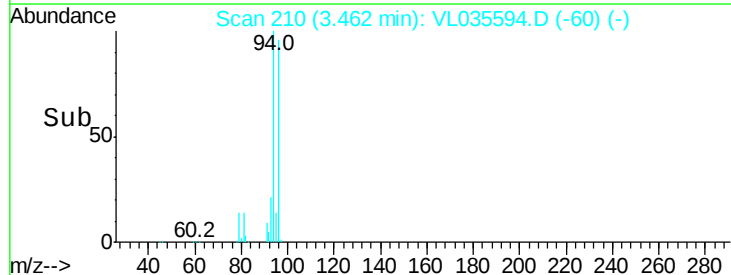
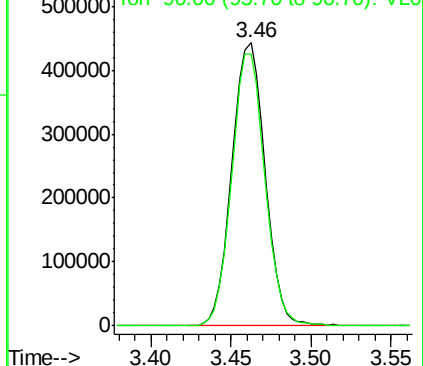
Ion Ratio Lower Upper

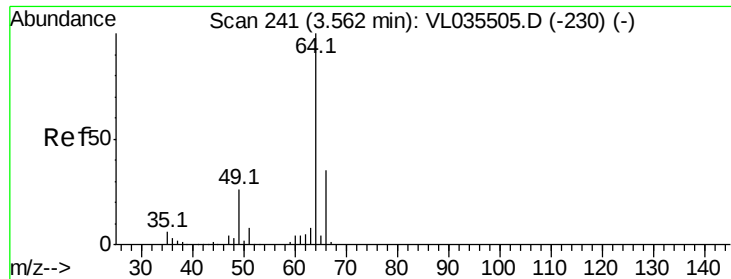
94 100

96 96.0 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0





#7

Chloroethane

Concen: 9.526 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VL035594.D

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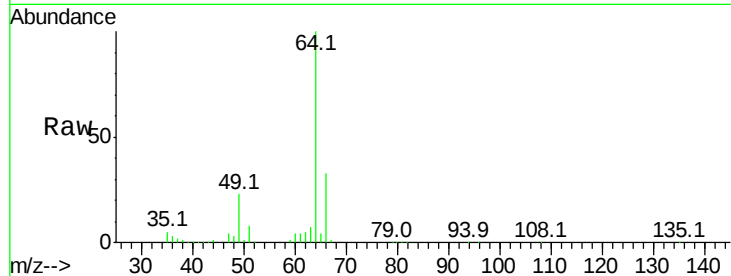
VSTDCCC010EC

Tgt Ion: 64 Resp: 265719

Ion Ratio Lower Upper

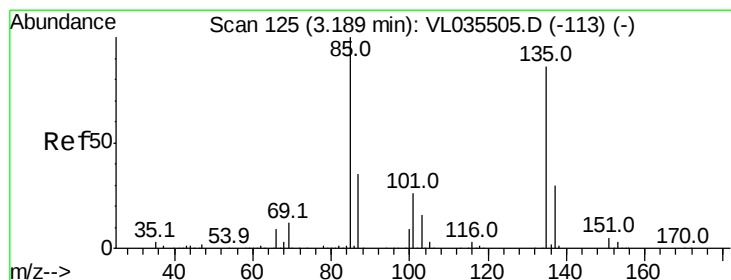
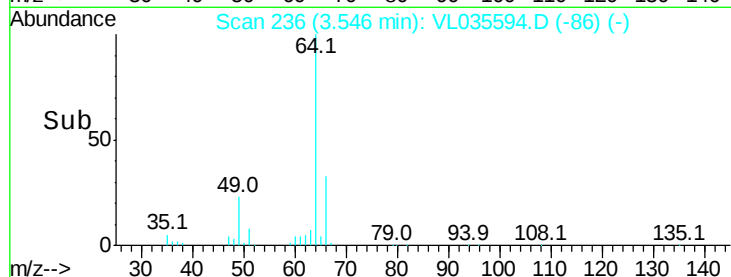
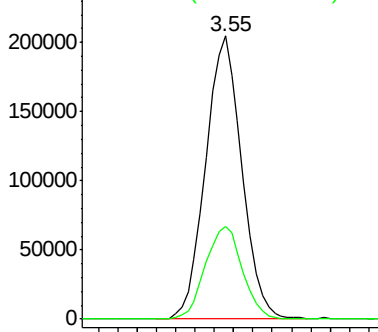
64 100

66 32.9 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: 9.161 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL035594.D

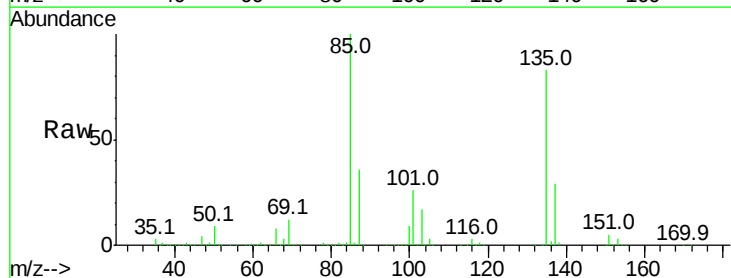
Acq: 11 Sep 2020 8:47

Tgt Ion: 85 Resp: 2076612

Ion Ratio Lower Upper

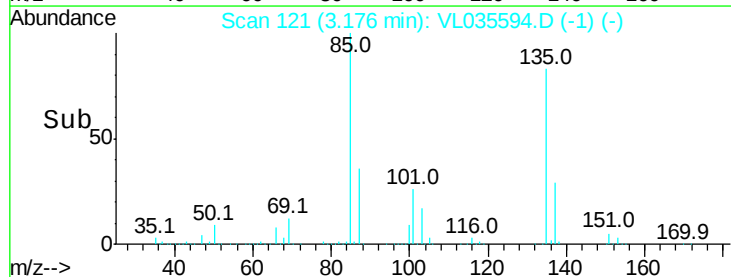
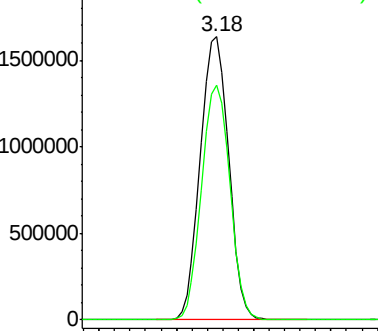
85 100

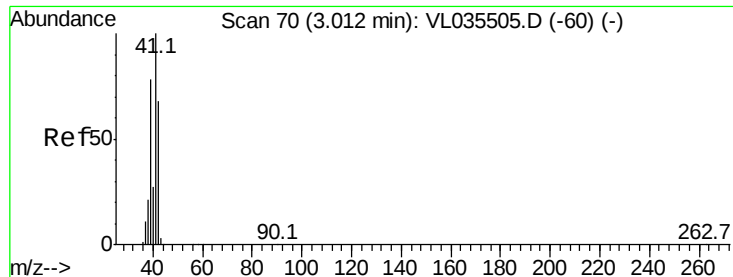
135 83.1 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.146 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.02 min

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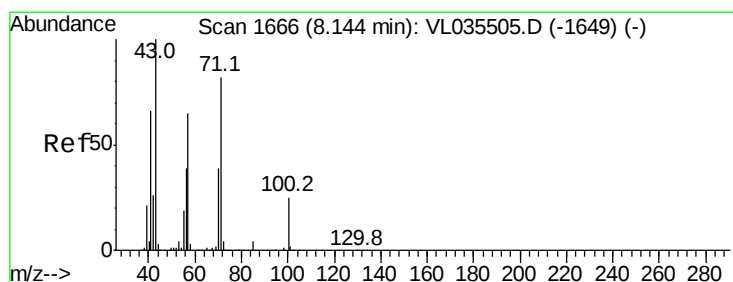
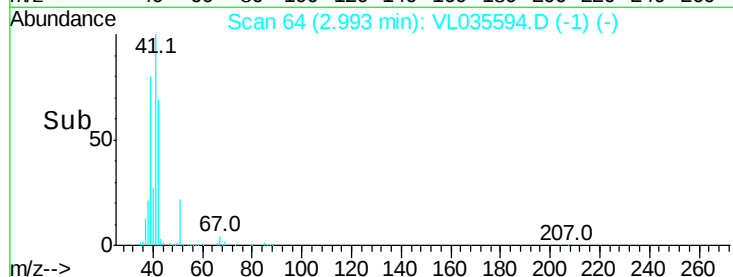
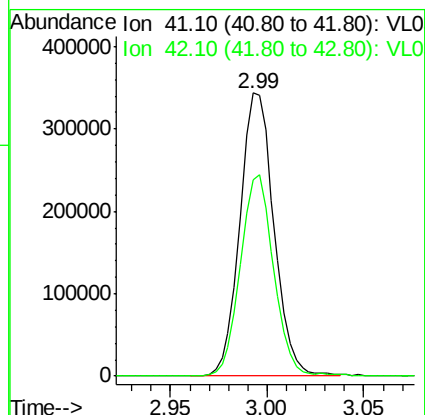
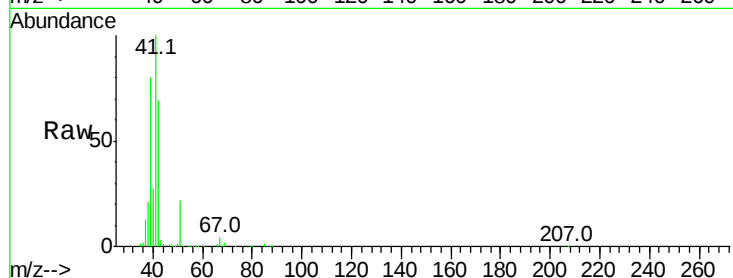
VSTDCCC010EC

Tgt Ion: 41 Resp: 421189

Ion Ratio Lower Upper

41 100

42 70.0 56.3 84.5



#10

Heptane

Concen: 9.871 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.02 min

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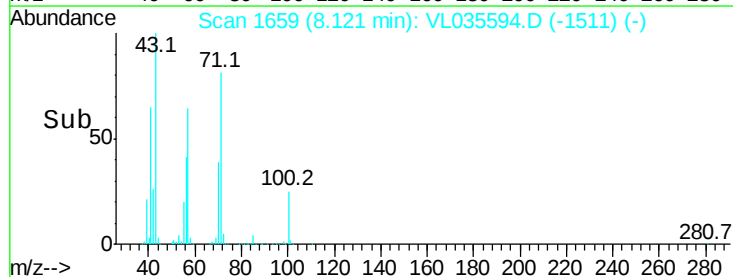
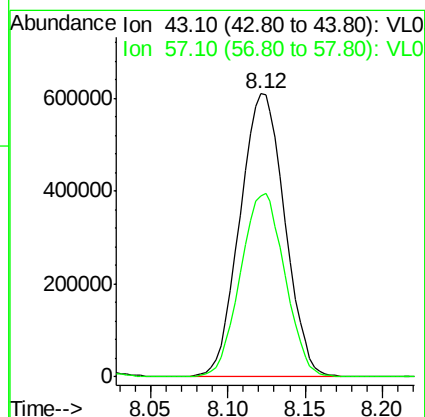
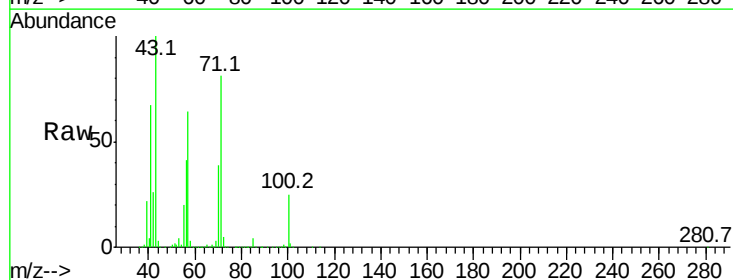
Acq: 11 Sep 2020 8:47

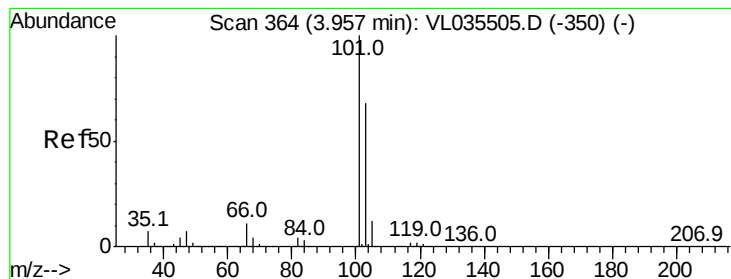
Tgt Ion: 43 Resp: 1220938

Ion Ratio Lower Upper

43 100

57 64.7 51.4 77.0





#11

Trichlorofluoromethane

Concen: 9.104 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.02 min

Lab File: VL035594.D

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MSVOA_L

ClientSampleId :

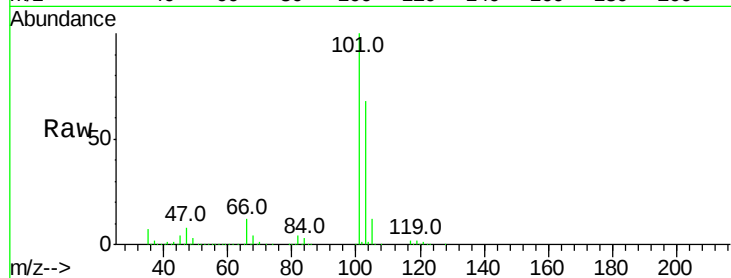
VSTDCCC010EC

Tgt Ion:101 Resp: 2484868

Ion Ratio Lower Upper

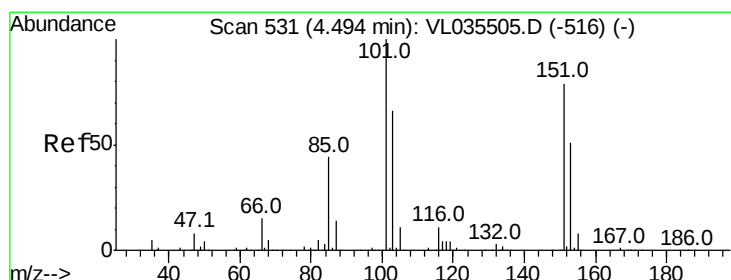
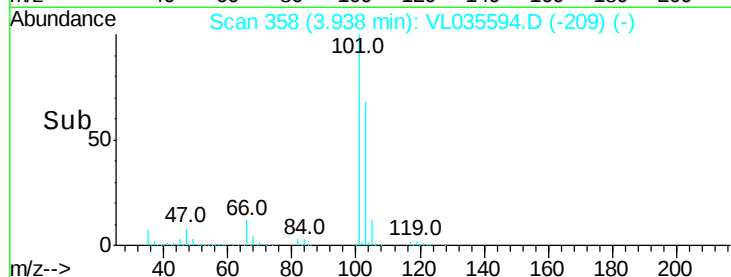
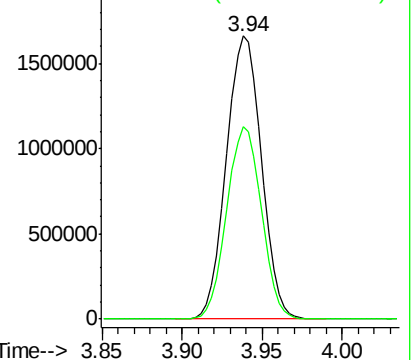
101 100

103 68.0 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: 9.222 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.02 min

Lab File: VL035594.D

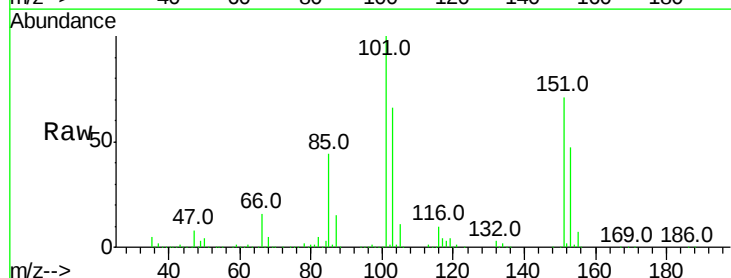
Acq: 11 Sep 2020 8:47

Tgt Ion:101 Resp: 1899724

Ion Ratio Lower Upper

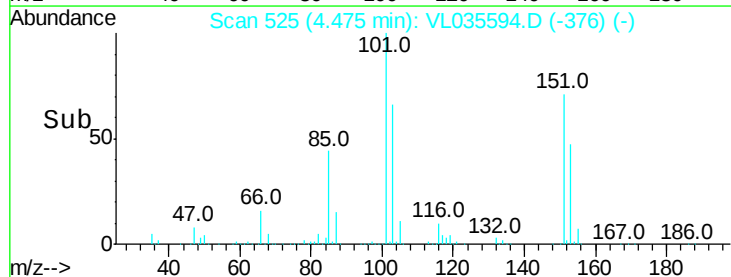
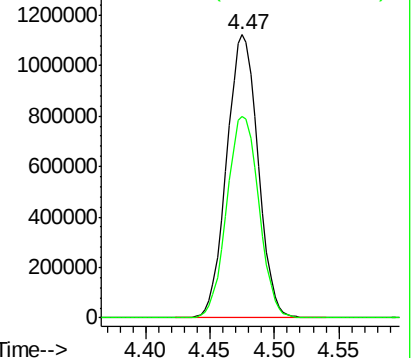
101 100

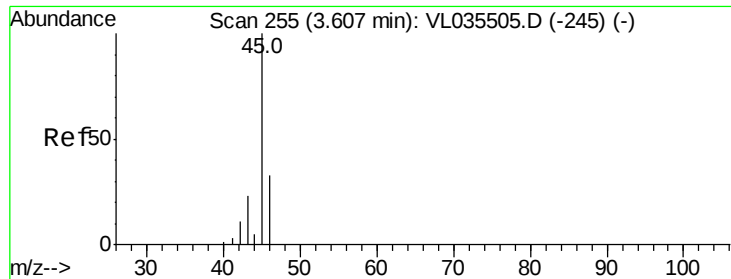
151 73.1 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.348 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

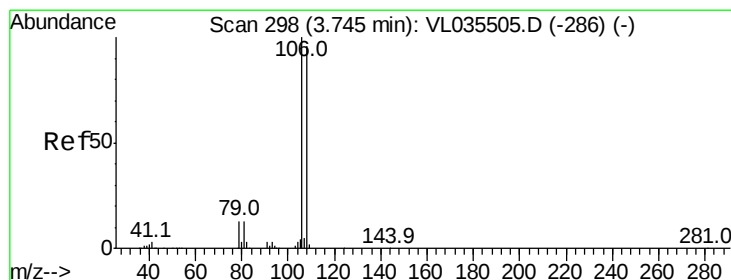
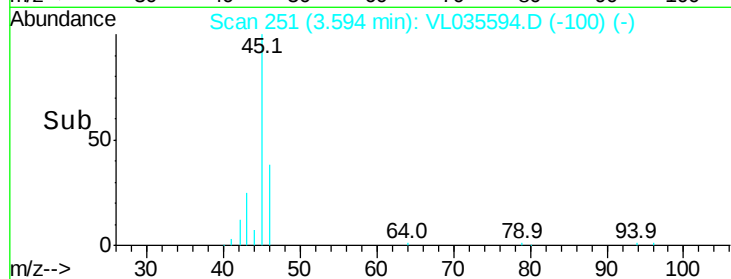
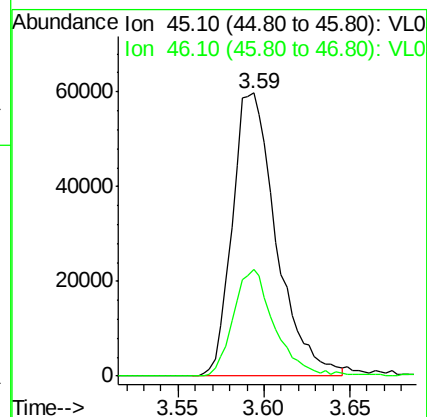
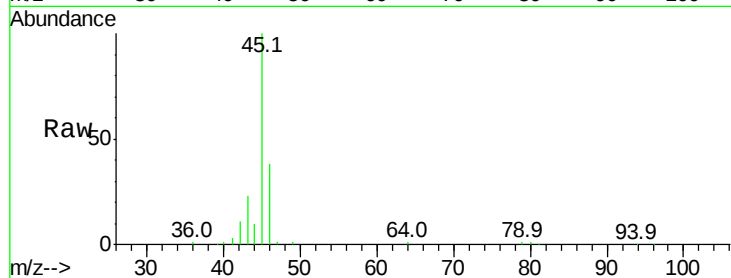
VSTDCCC010EC

Tgt Ion: 45 Resp: 106726

Ion Ratio Lower Upper

45 100

46 36.6 15.2 60.6



#14

Bromoethene

Concen: 9.612 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

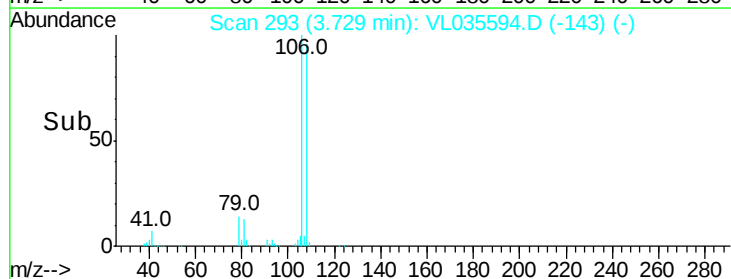
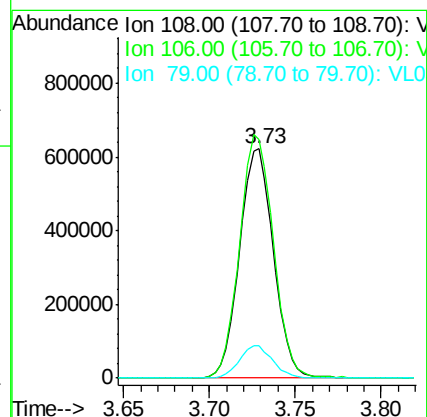
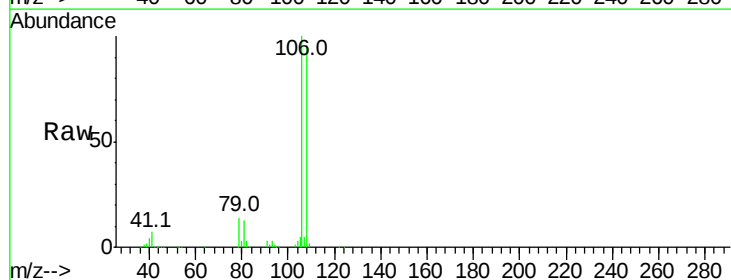
Tgt Ion: 108 Resp: 852305

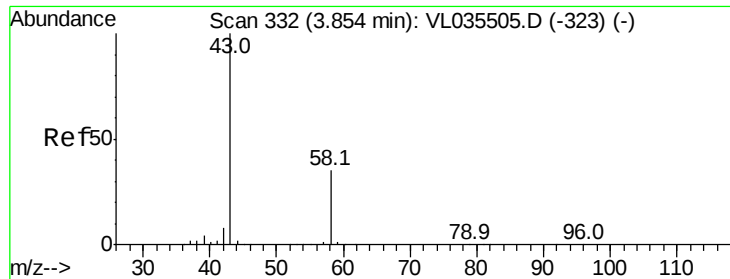
Ion Ratio Lower Upper

108 100

106 106.3 84.9 127.3

79 14.2 10.8 16.2





#15

Acetone

Concen: 7.965 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

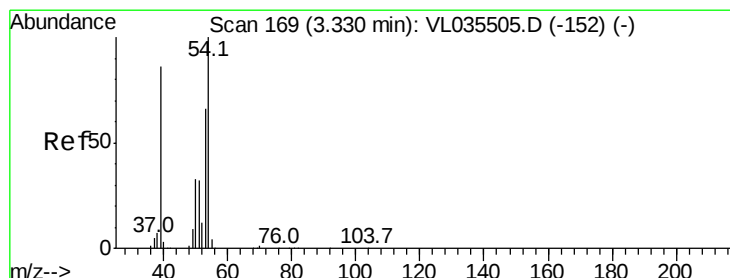
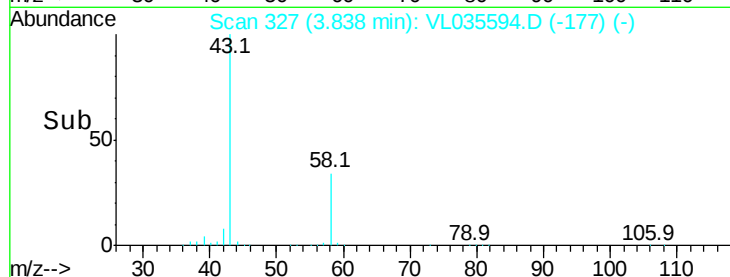
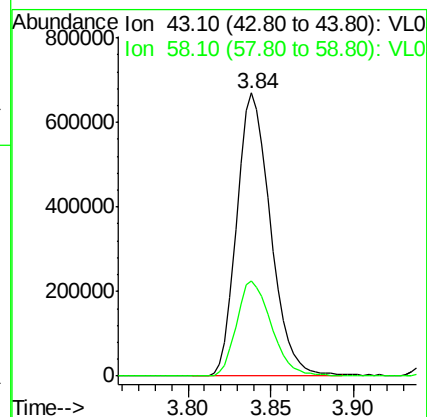
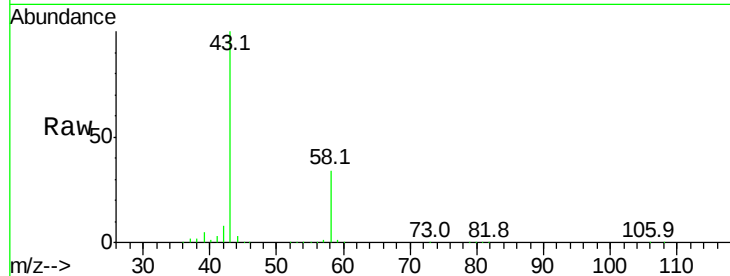
VSTDCCC010EC

Tgt Ion: 43 Resp: 948740

Ion Ratio Lower Upper

43 100

58 34.8 28.4 42.6



#16

1,3-Butadiene

Concen: 9.896 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.02 min

Lab File: VL035594.D

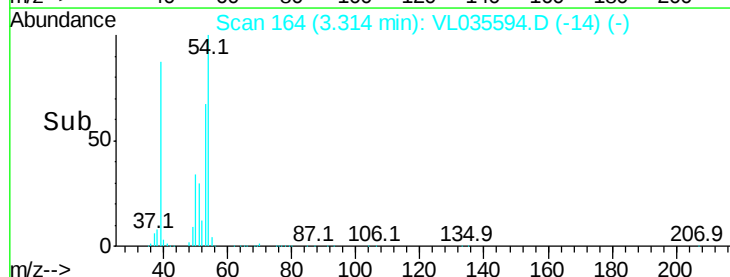
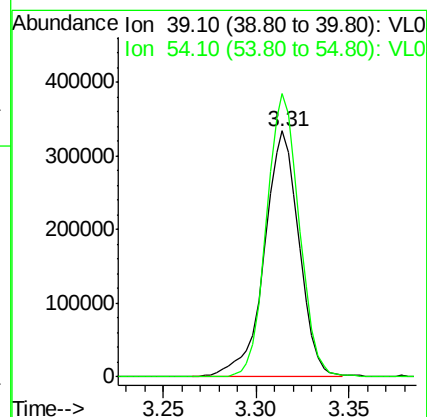
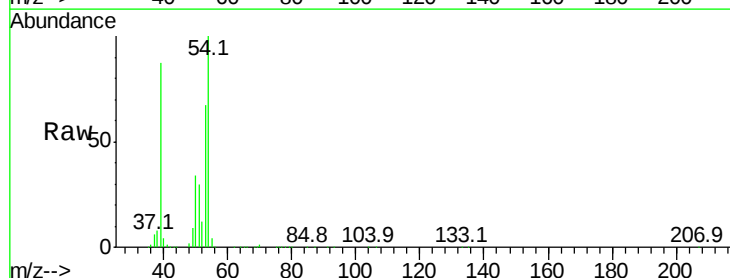
Acq: 11 Sep 2020 8:47

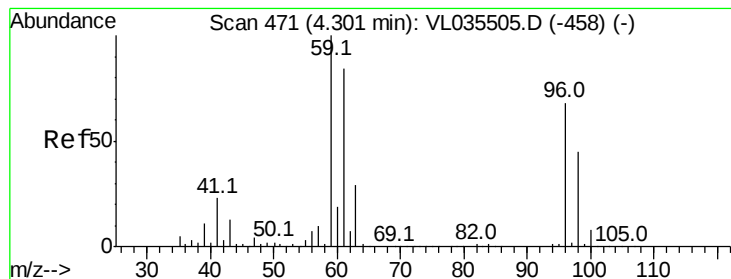
Tgt Ion: 39 Resp: 438792

Ion Ratio Lower Upper

39 100

54 108.5 88.4 132.6





#17

tert-Butyl alcohol

Concen: 9.769 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

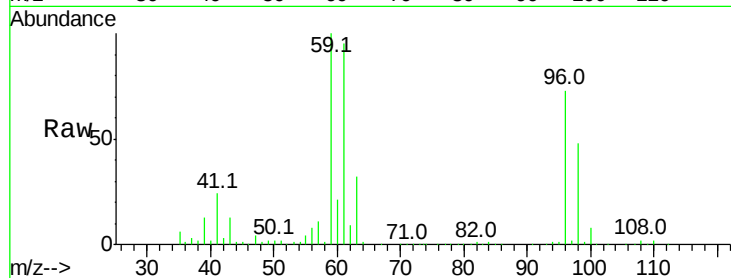
VSTDCCC010EC

Tgt Ion: 59 Resp: 1416402

Ion Ratio Lower Upper

59 100

57 10.6 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

800000

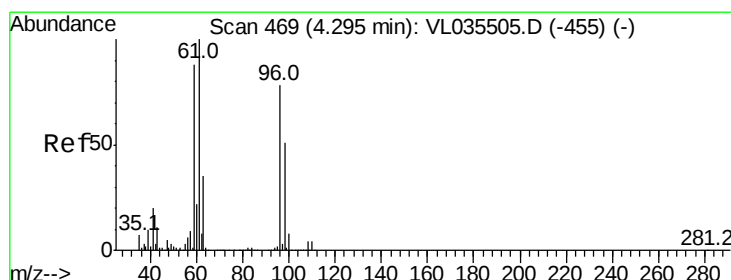
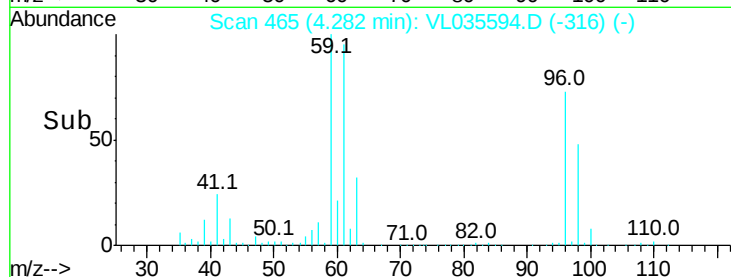
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.715 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

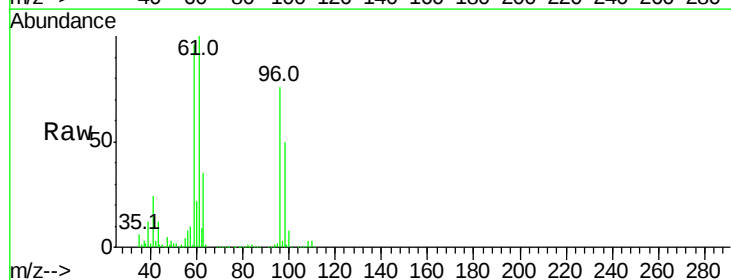
Tgt Ion: 96 Resp: 881293

Ion Ratio Lower Upper

96 100

61 131.4 103.0 154.6

98 65.1 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

1000000

800000

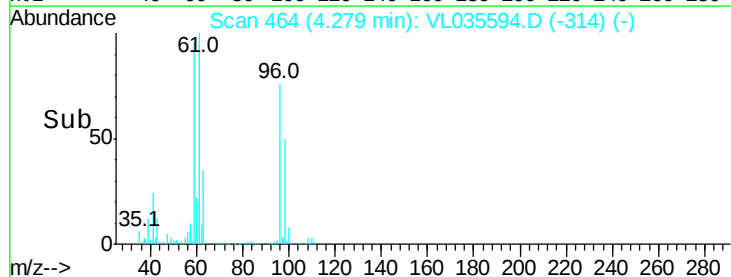
600000

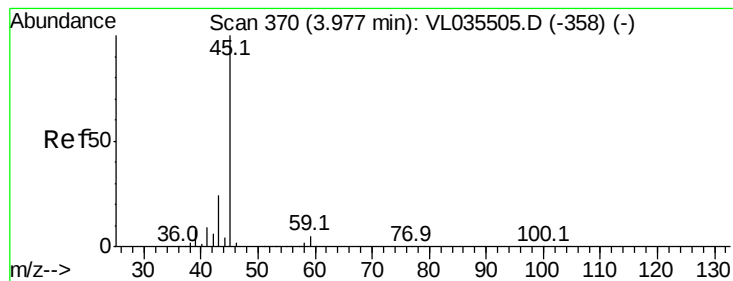
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.335 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

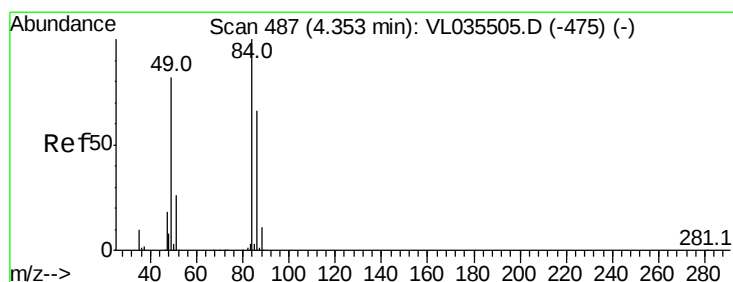
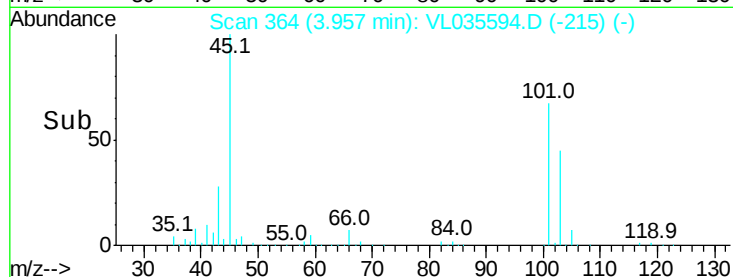
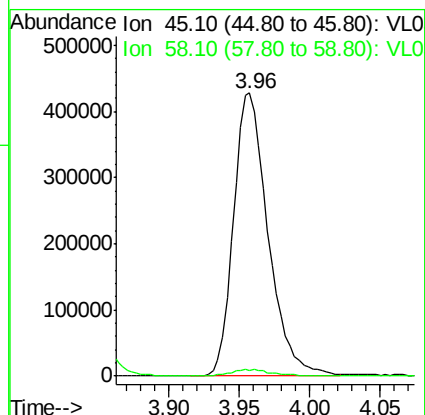
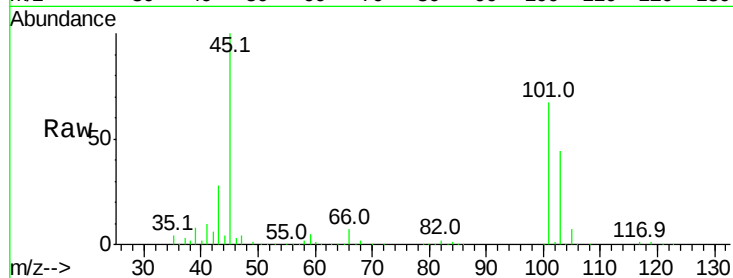
VSTDCCC010EC

Tgt Ion: 45 Resp: 734414

Ion Ratio Lower Upper

45 100

58 2.8 2.0 3.0



#20

Methylene Chloride

Concen: 8.082 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Tgt Ion: 84 Resp: 717015

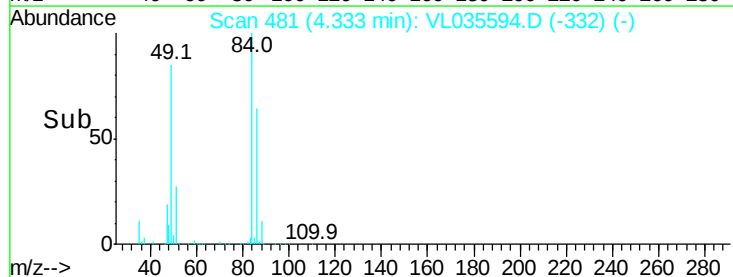
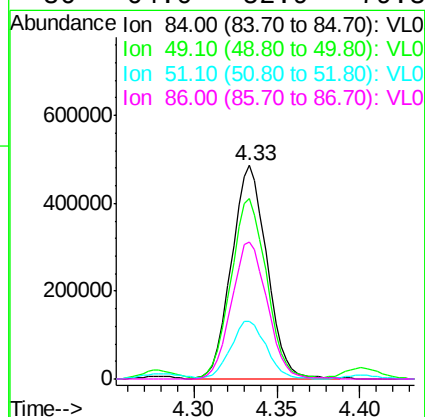
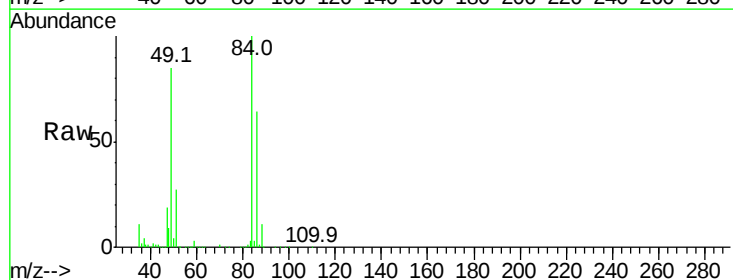
Ion Ratio Lower Upper

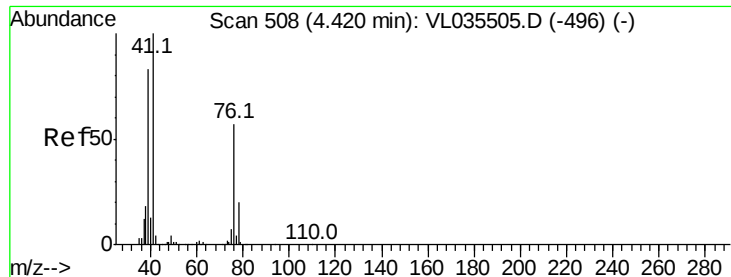
84 100

49 84.0 65.4 98.0

51 26.4 21.5 32.3

86 64.0 52.9 79.3





#21

Allyl Chloride

Concen: 10.448 ppbv

RT: 4.40 min Scan# 502

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

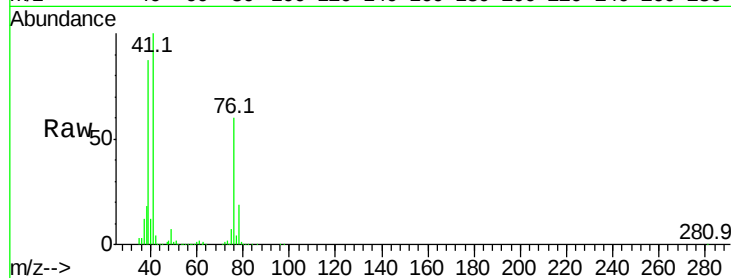
Tgt Ion: 41 Resp: 583079

Ion Ratio Lower Upper

41 100

76 58.0 46.2 69.2

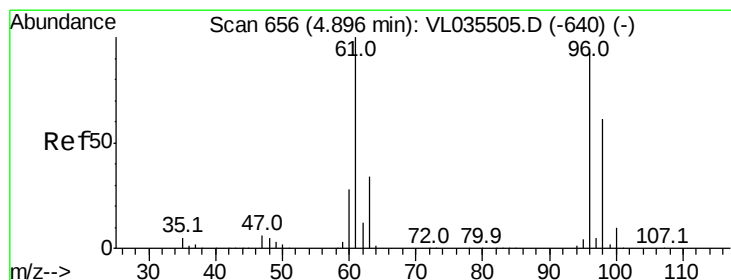
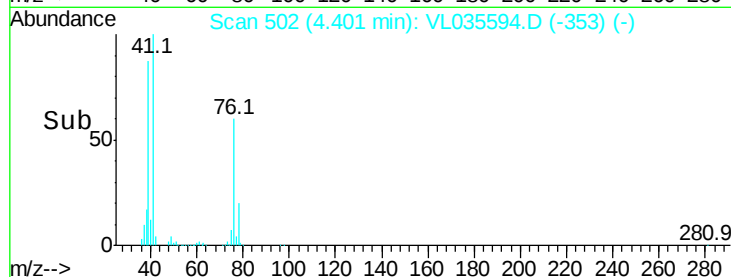
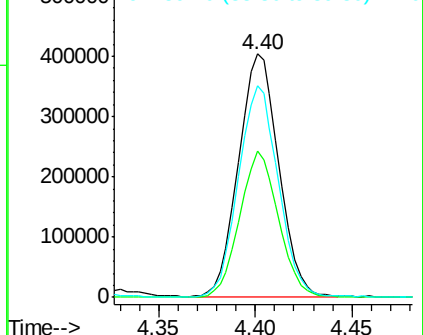
39 86.5 67.8 101.6



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: 9.573 ppbv

RT: 4.88 min Scan# 650

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

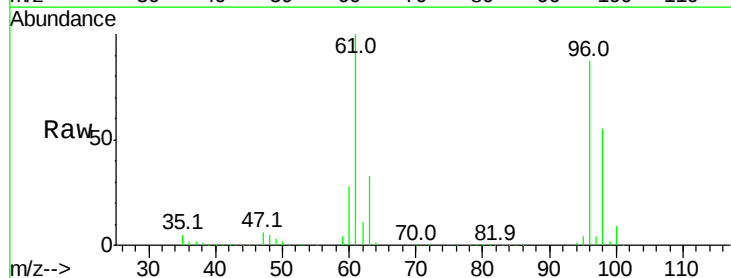
Tgt Ion: 96 Resp: 924526

Ion Ratio Lower Upper

96 100

61 114.8 86.0 129.0

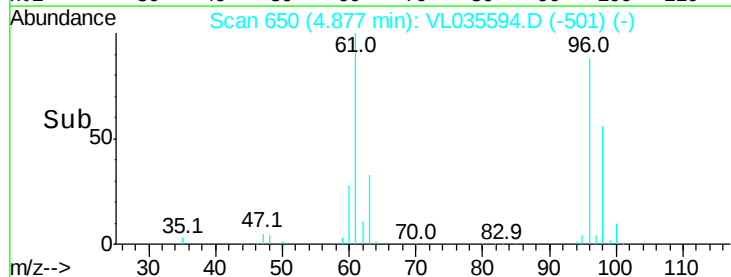
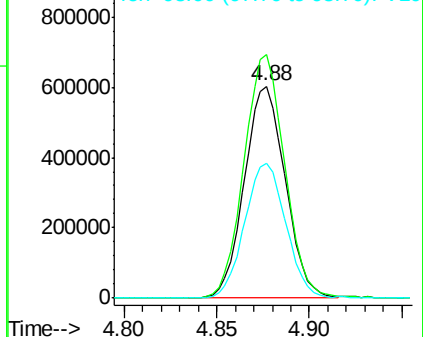
98 63.5 52.3 78.5

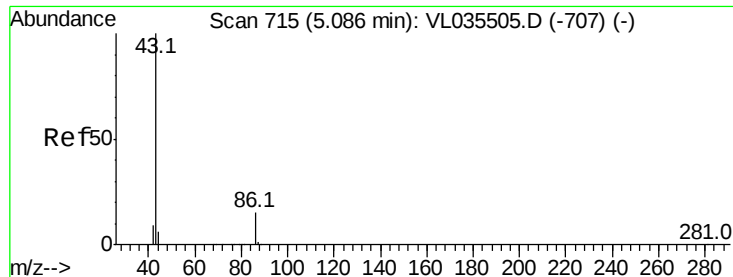


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.614 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1469815

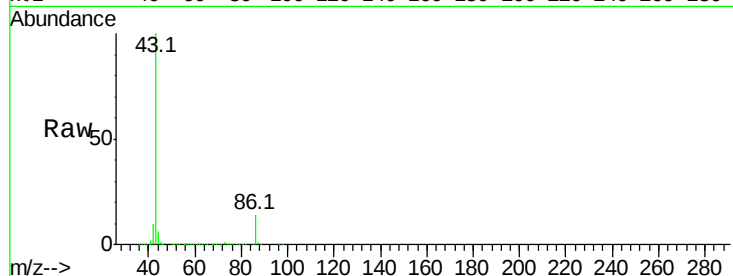
Ion Ratio Lower Upper

43 100

86 13.6 10.6 16.0

42 9.9 7.5 11.3

44 6.1 4.4 6.6

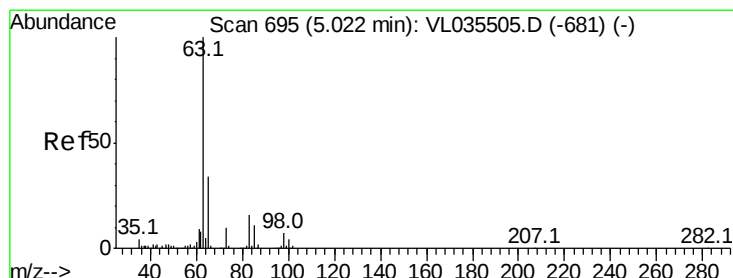
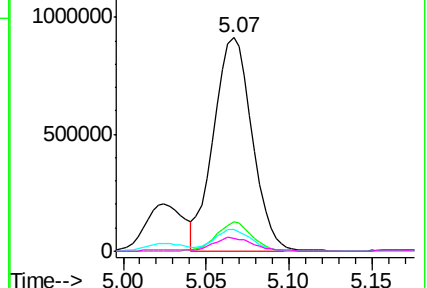
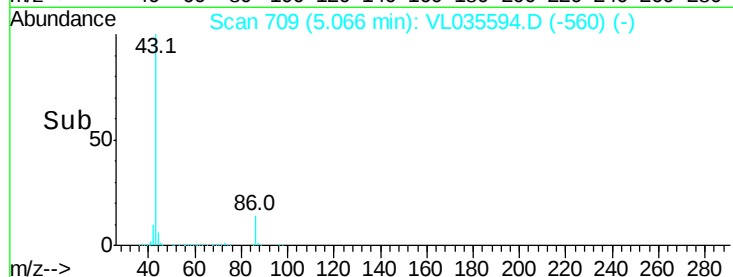


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.370 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

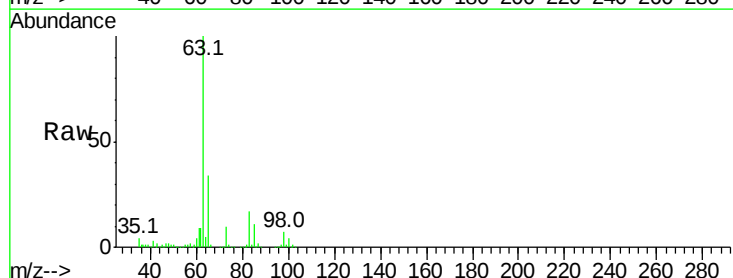
Tgt Ion: 63 Resp: 1474268

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

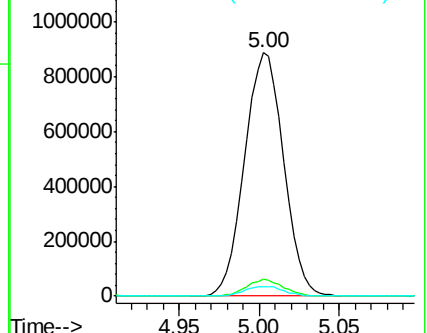
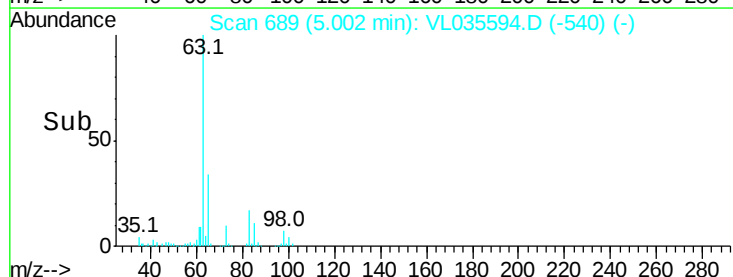
100 4.0 2.1 6.5

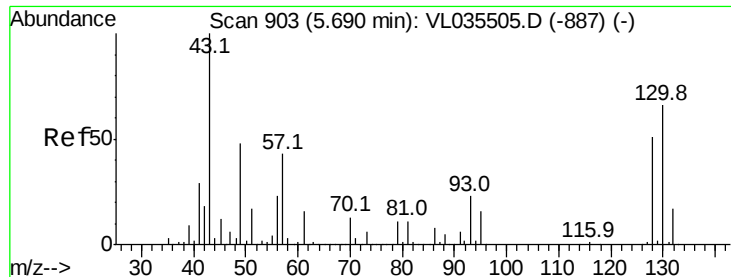


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



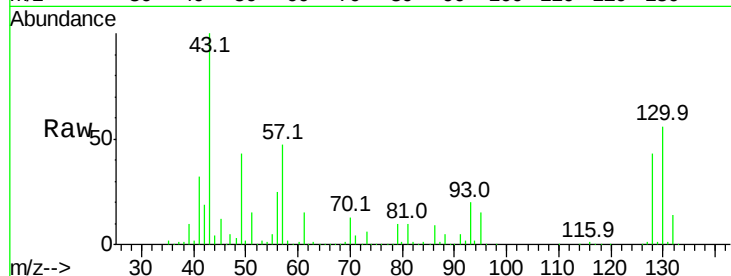


#25
Ethyl Acetate
Concen: 9.542 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2007919

Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.4	12.6
61	13.2	10.6	16.0
70	11.6	9.4	14.2



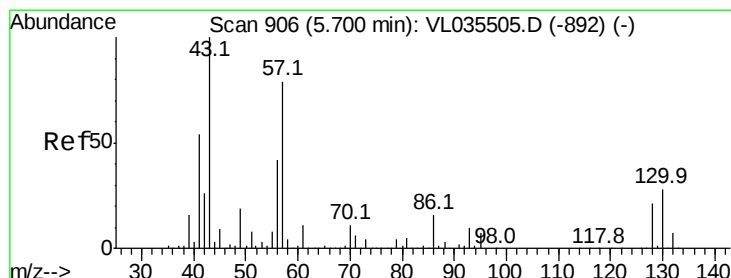
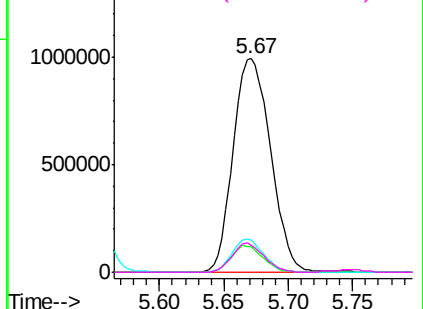
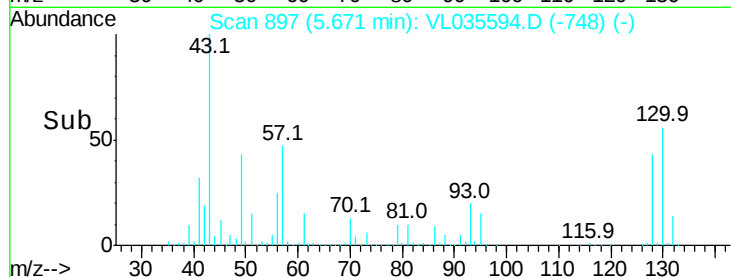
Abundance

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

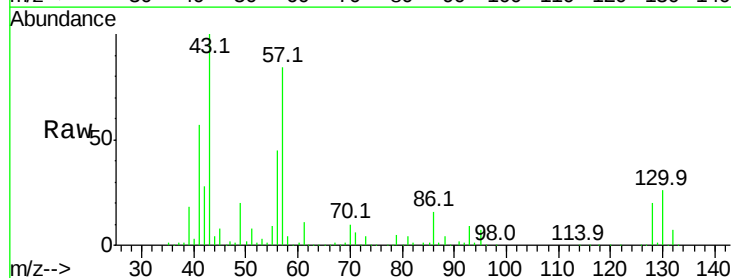
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.492 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion: 57 Resp: 1131717

Ion	Ratio	Lower	Upper
57	100		
41	71.3	55.9	83.9
43	178.5	141.8	212.8
56	52.9	41.8	62.8



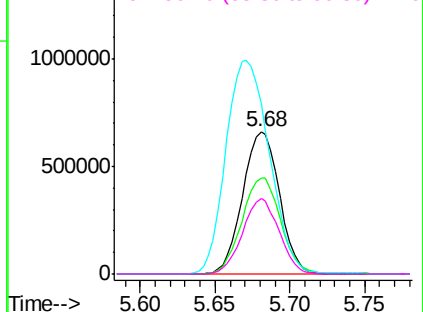
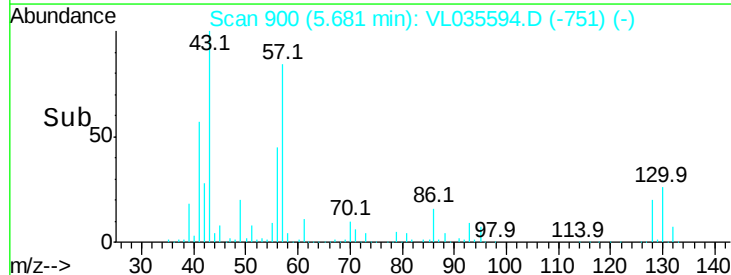
Abundance

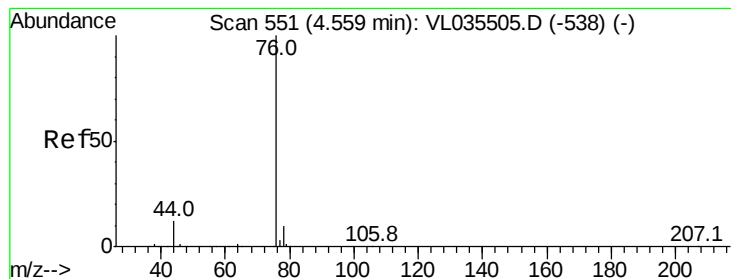
Ion 57.10 (56.80 to 57.80): VL0

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: 11.329 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

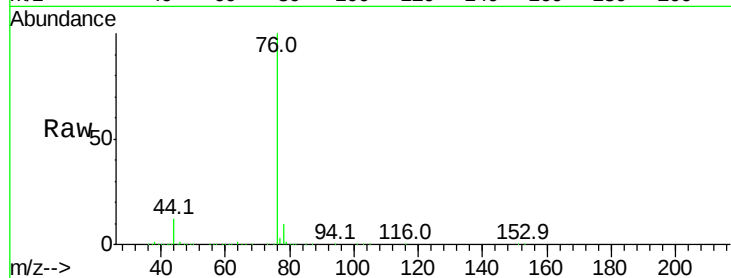
Tgt Ion: 76 Resp: 1938411

Ion Ratio Lower Upper

76 100

44 11.4 9.3 13.9

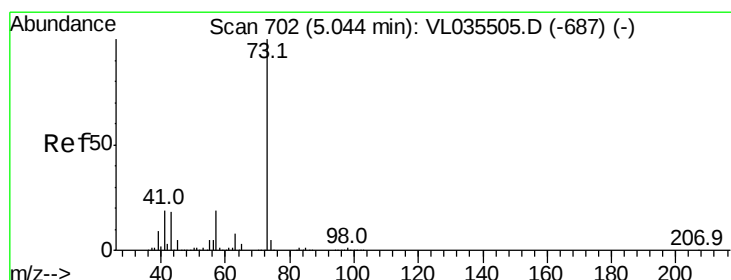
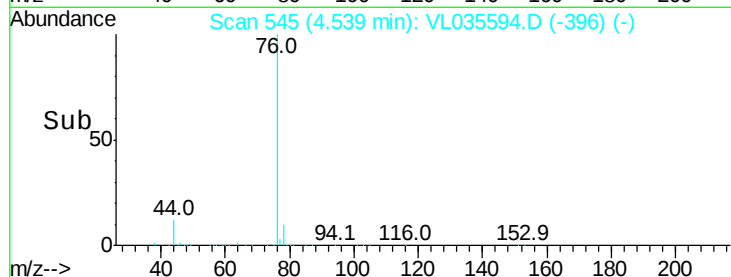
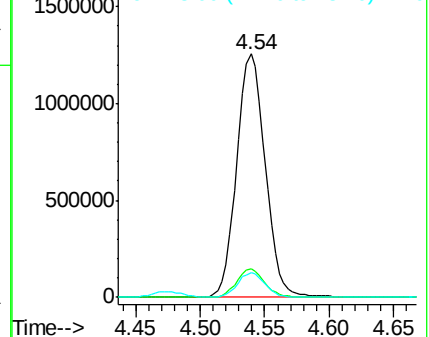
78 9.8 7.8 11.6



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: 9.371 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL035594.D

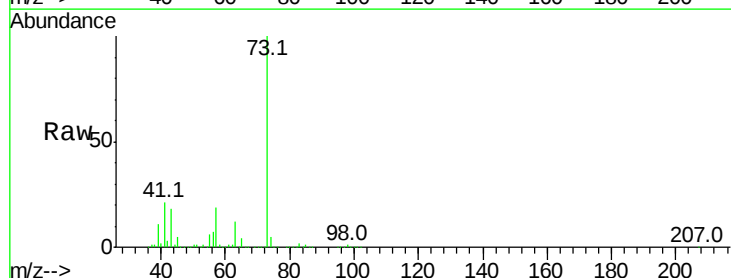
Acq: 11 Sep 2020 8:47

Tgt Ion: 73 Resp: 1947315

Ion Ratio Lower Upper

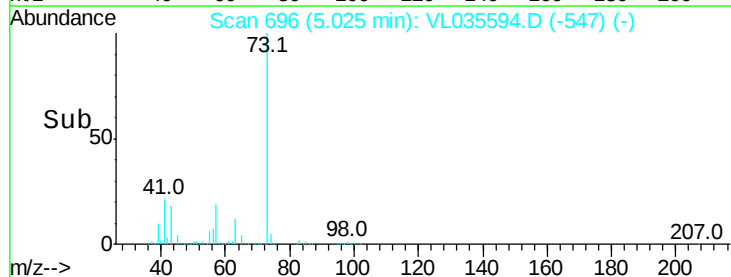
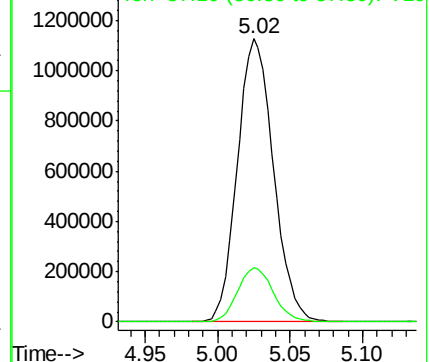
73 100

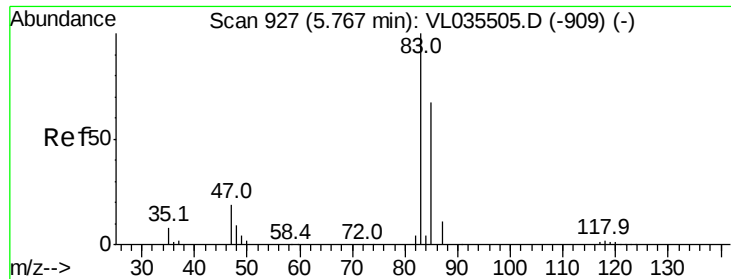
57 19.1 15.2 22.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.589 ppbv

RT: 5.74 min Scan# 920

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

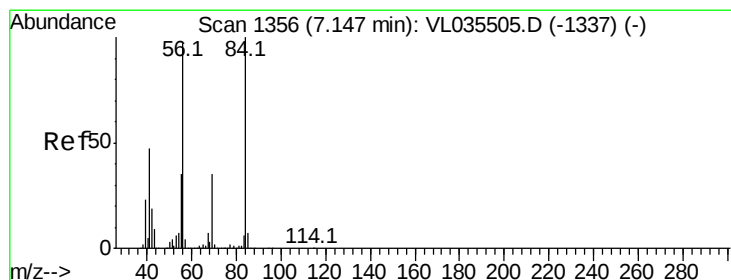
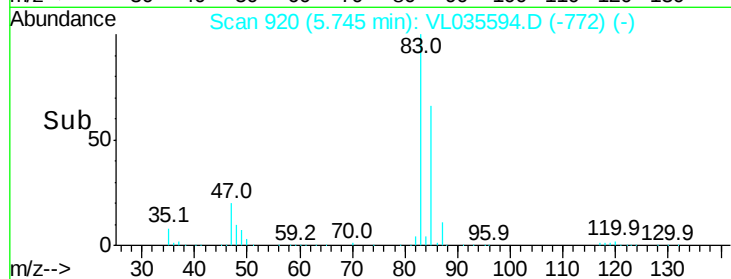
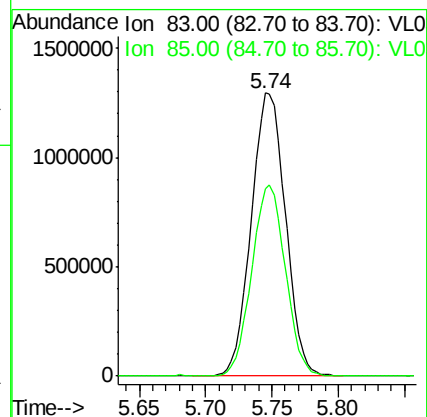
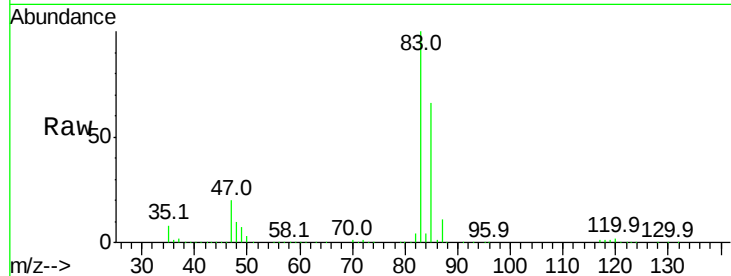
VSTDCCC010EC

Tgt Ion: 83 Resp: 2329586

Ion Ratio Lower Upper

83 100

85 65.9 53.9 80.9



#30

Cyclohexane

Concen: 9.991 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

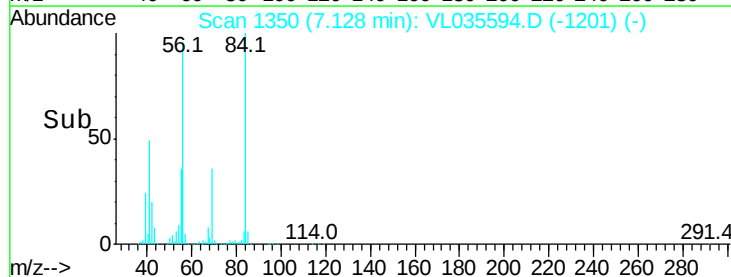
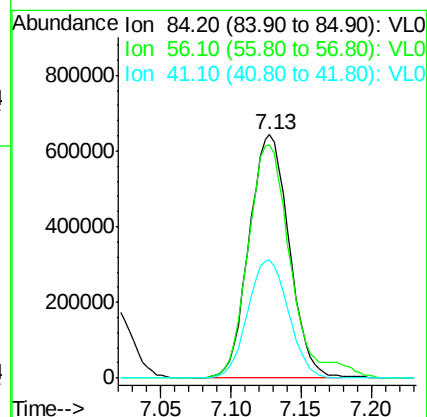
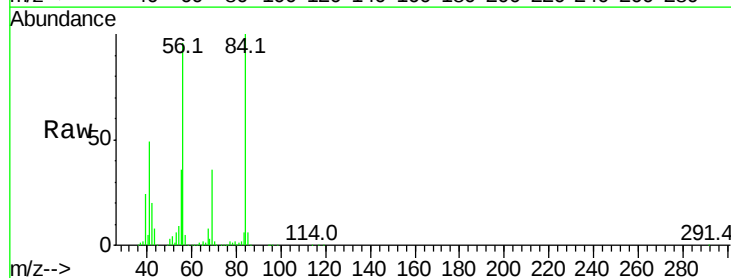
Tgt Ion: 84 Resp: 1276096

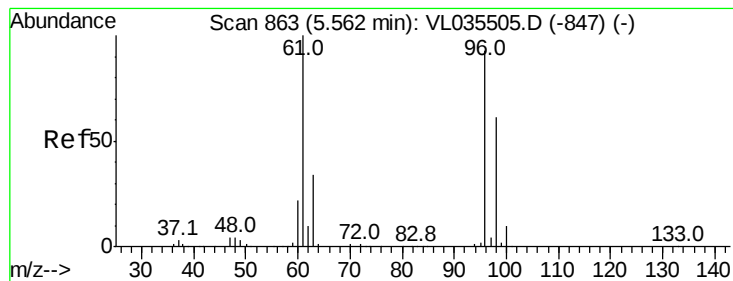
Ion Ratio Lower Upper

84 100

56 102.1 80.1 120.1

41 49.7 38.1 57.1





#31

cis-1,2-Dichloroethene

Concen: 9.906 ppbv

RT: 5.54 min Scan# 857

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

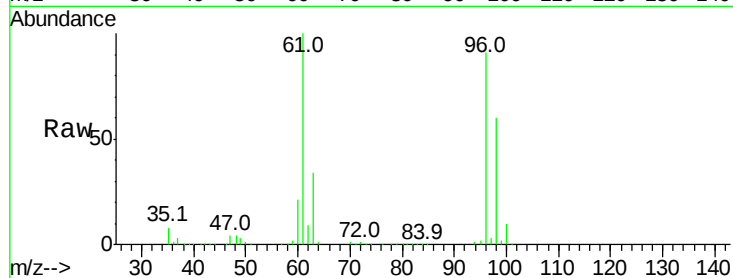
Tgt Ion: 61 Resp: 1211801

Ion Ratio Lower Upper

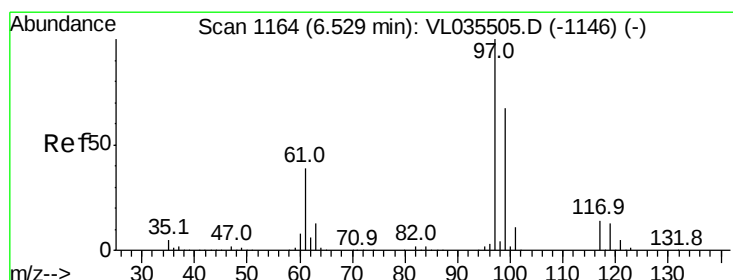
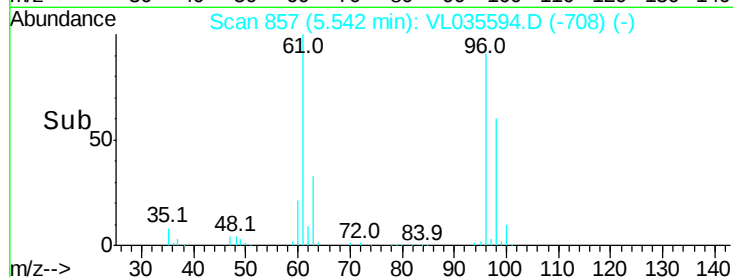
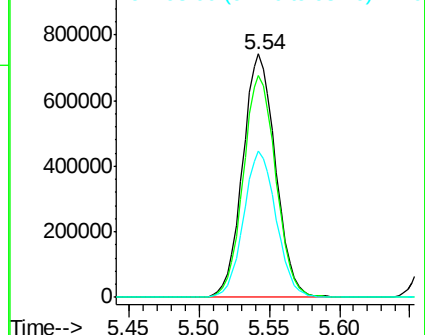
61 100

96 91.1 74.4 111.6

98 60.1 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: 9.654 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

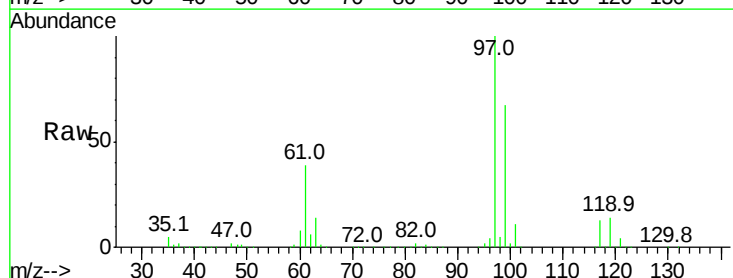
Tgt Ion: 97 Resp: 2275173

Ion Ratio Lower Upper

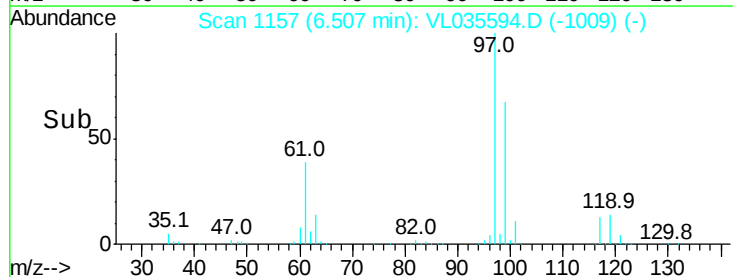
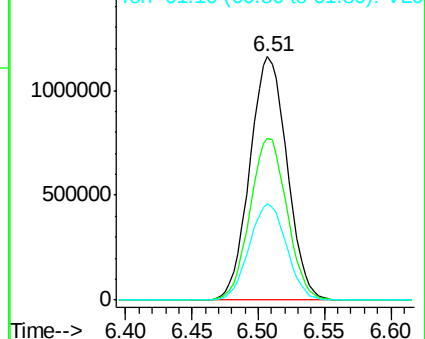
97 100

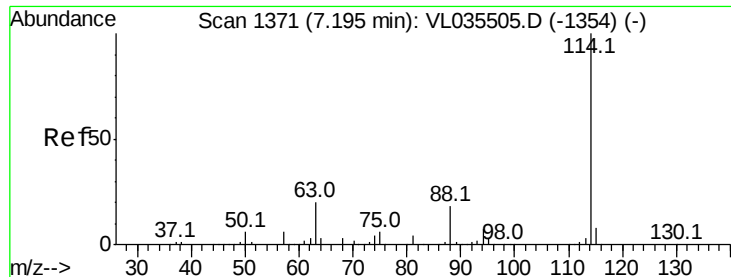
99 66.1 53.3 79.9

61 39.7 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

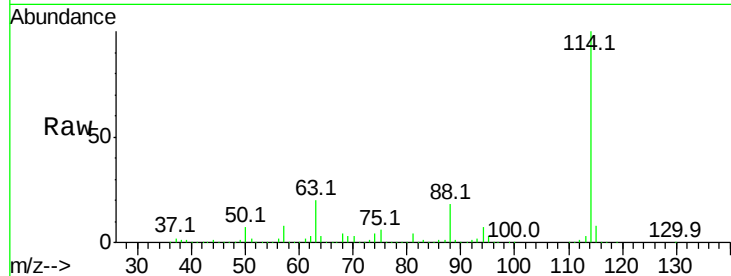




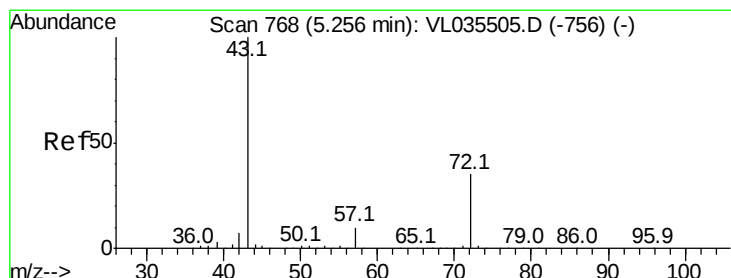
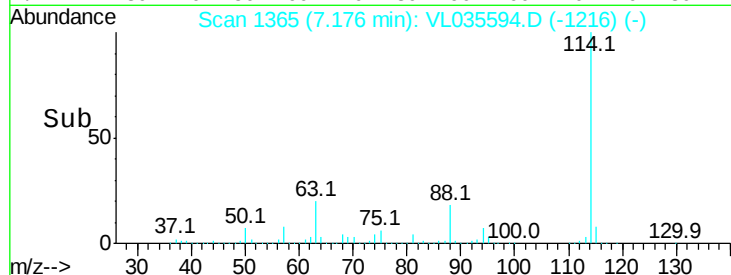
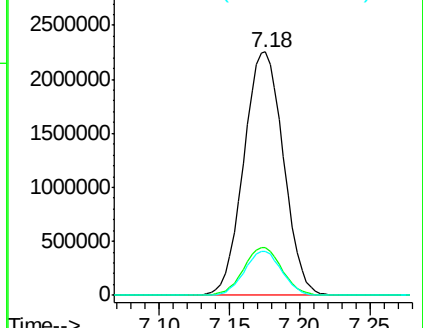
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 4436039
 Ion Ratio Lower Upper
 114 100
 63 19.2 14.7 22.1
 88 17.2 13.4 20.2

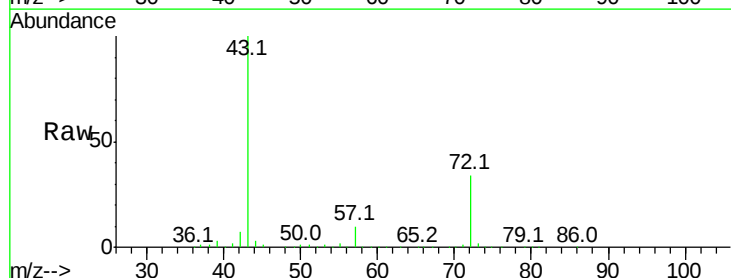


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

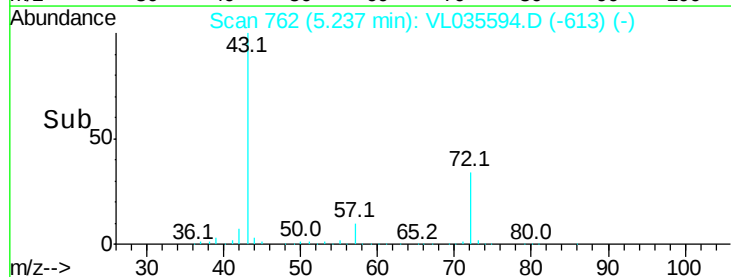
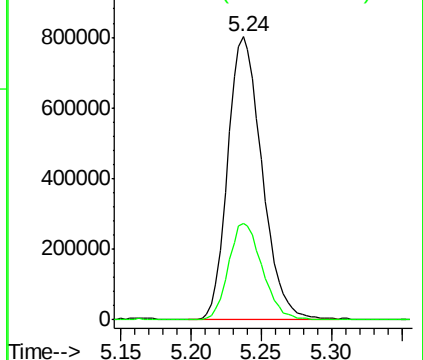


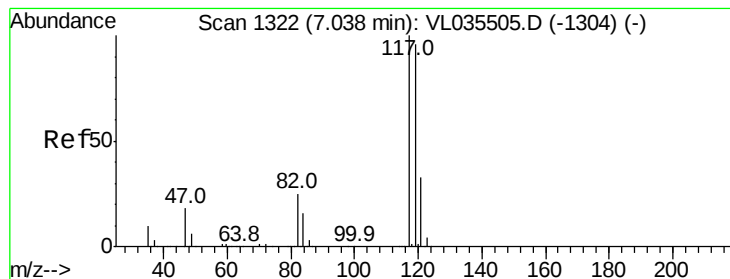
#34
 2-Butanone
 Concen: 10.337 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Tgt Ion: 43 Resp: 1360867
 Ion Ratio Lower Upper
 43 100
 72 33.9 27.7 41.5



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





#35

Carbon Tetrachloride

Concen: 10.750 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

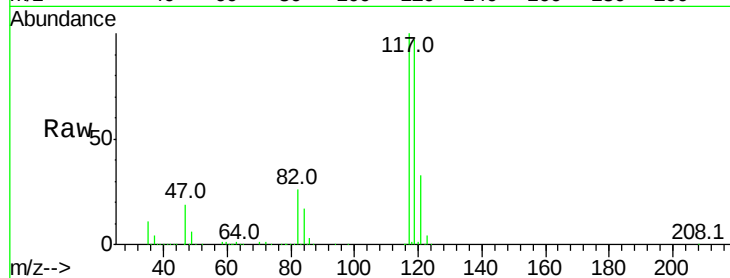
Tgt Ion:117 Resp: 2396741

Ion Ratio Lower Upper

117 100

119 97.4 77.2 115.8

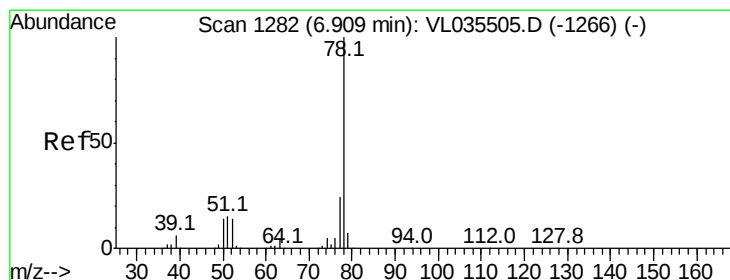
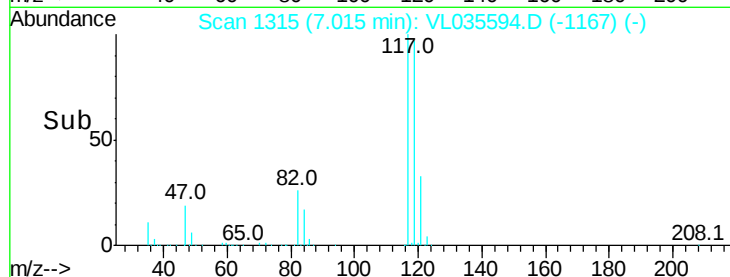
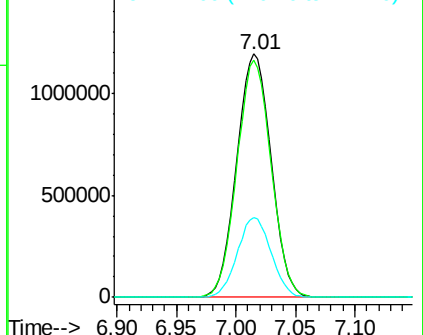
121 32.6 26.1 39.1



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: 10.151 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

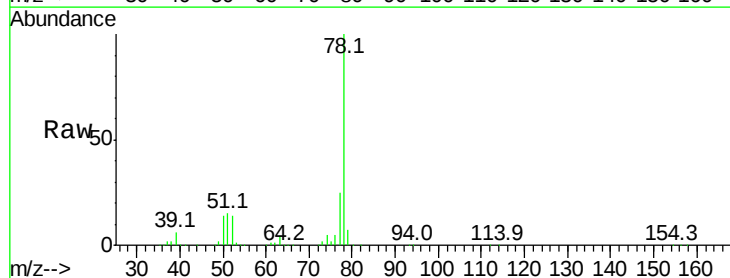
Tgt Ion: 78 Resp: 2914841

Ion Ratio Lower Upper

78 100

77 24.5 19.3 28.9

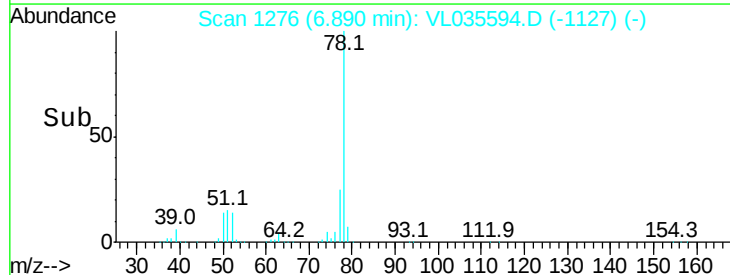
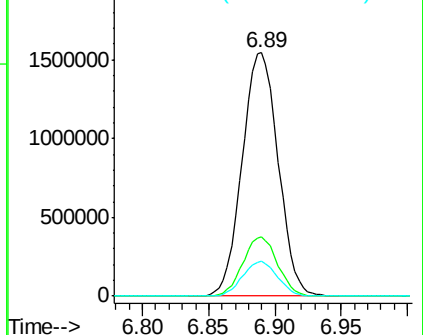
50 14.1 11.0 16.6

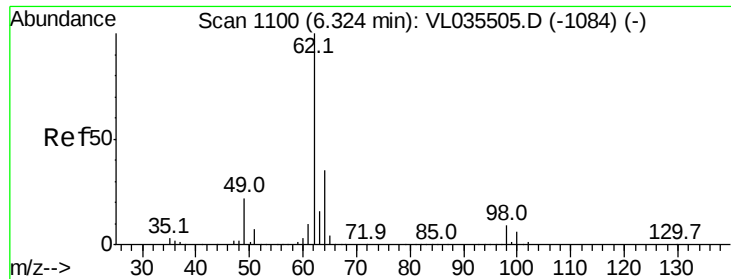


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

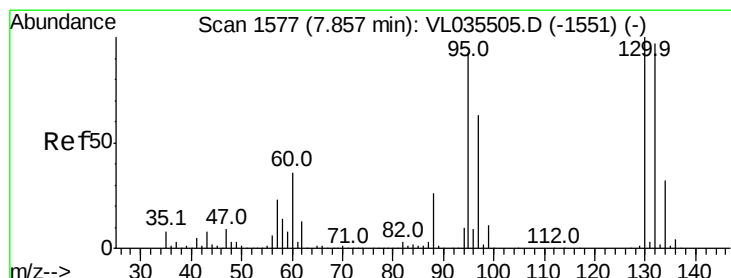
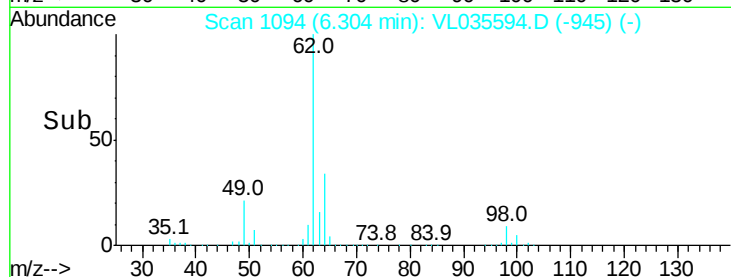
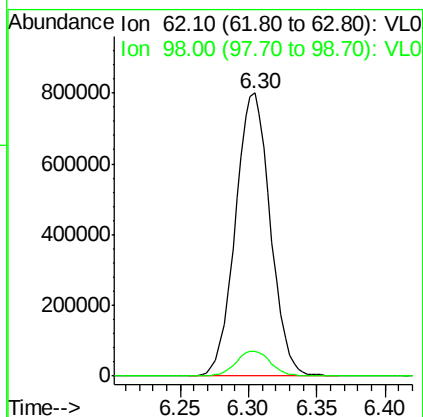
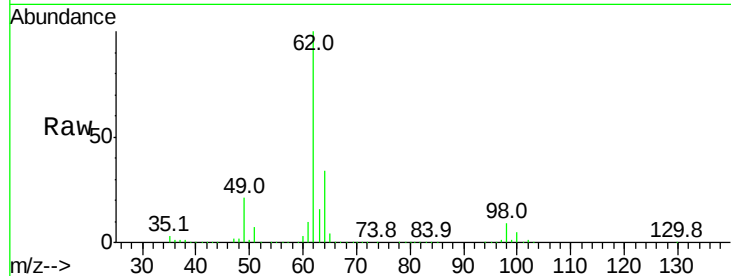




#37
 1,2-Dichloroethane
 Concen: 10.360 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

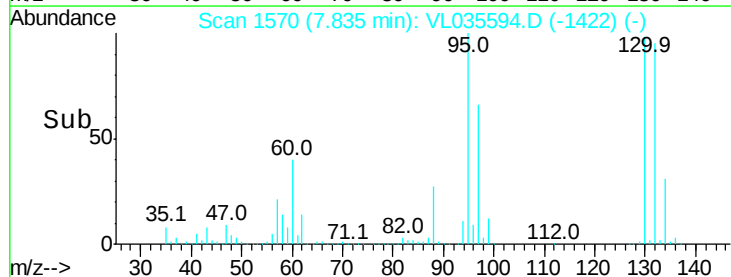
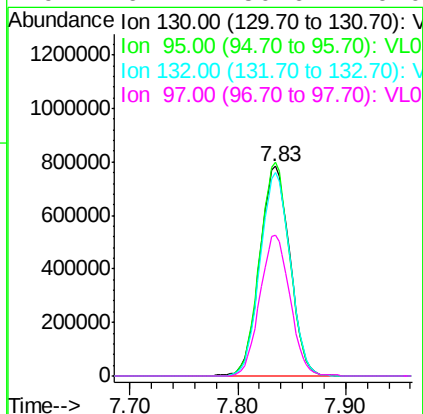
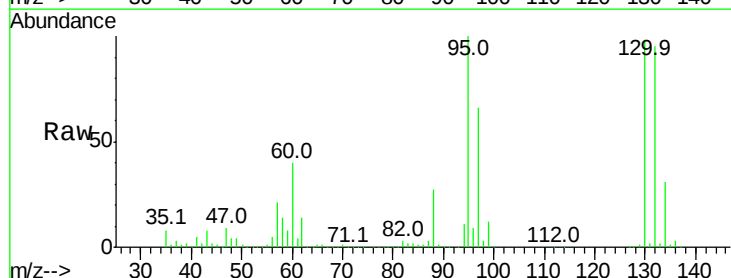
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

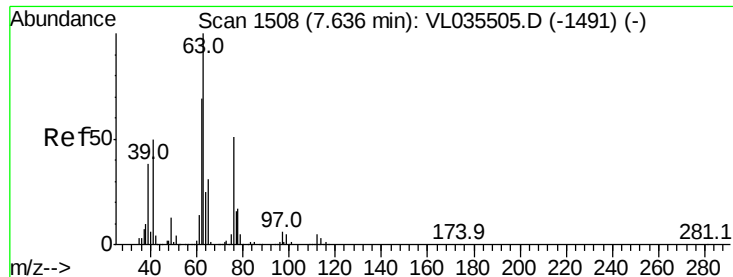
Tgt Ion: 62 Resp: 1418332
 Ion Ratio Lower Upper
 62 100
 98 8.8 7.4 11.0



#38
 Trichloroethene
 Concen: 9.127 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Tgt Ion: 130 Resp: 1522337
 Ion Ratio Lower Upper
 130 100
 95 102.0 74.6 112.0
 132 97.2 77.6 116.4
 97 67.4 50.6 76.0





#39

1,2-Dichloropropane

Concen: 10.176 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

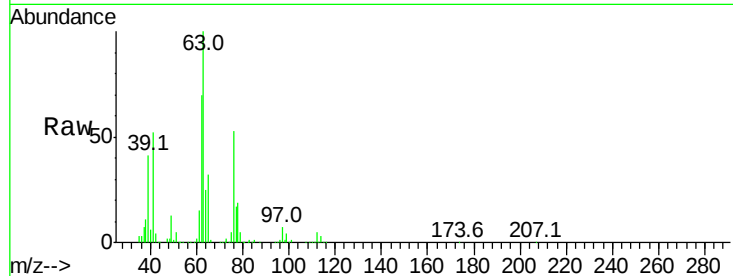
Tgt Ion: 63 Resp: 987052

Ion Ratio Lower Upper

63 100

41 51.4 40.0 60.0

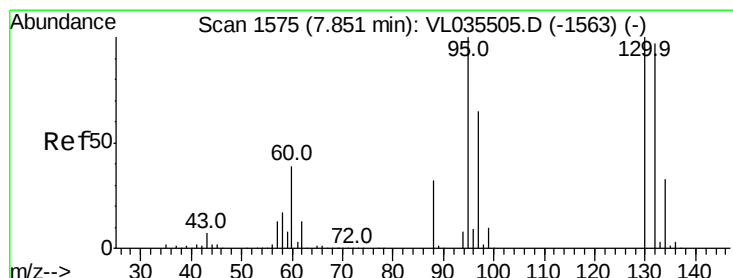
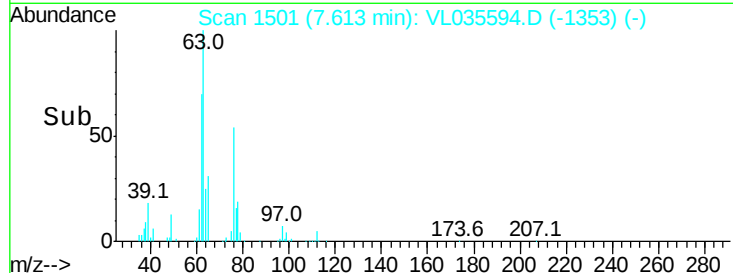
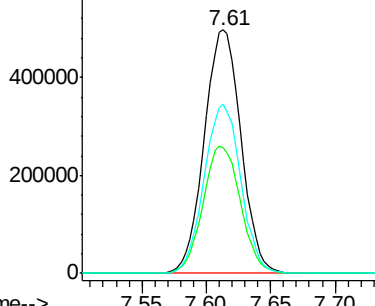
62 69.5 55.4 83.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.991 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Tgt Ion: 88 Resp: 532614

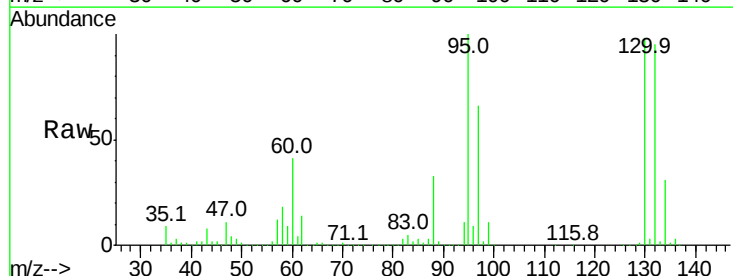
Ion Ratio Lower Upper

88 100

58 88.8 68.7 103.1

43 135.5 104.3 156.5

57 728.0 560.7 841.1

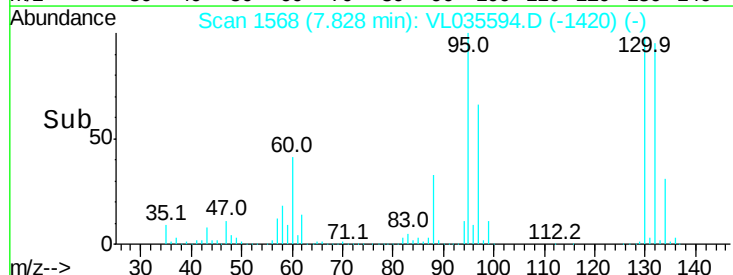
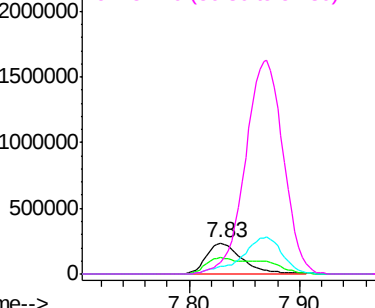


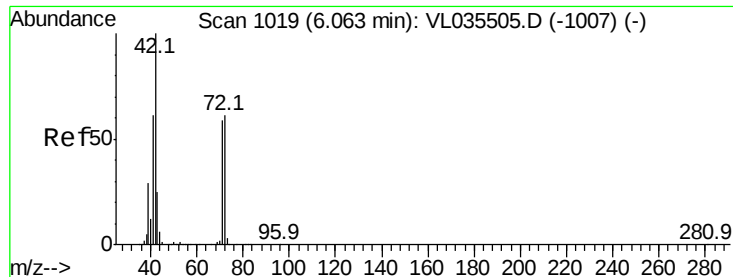
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

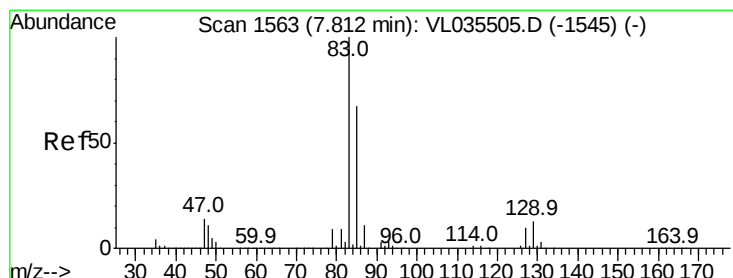
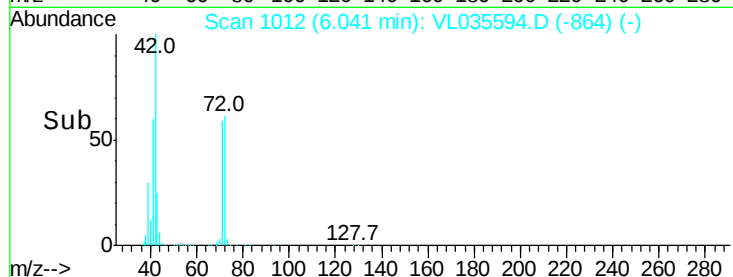
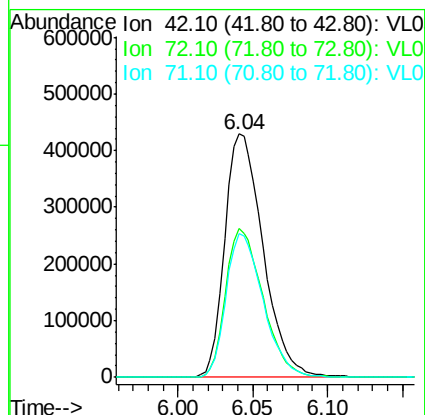
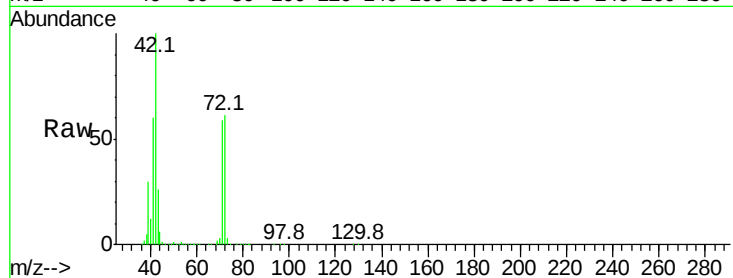




#41
Tetrahydrofuran
Concen: 10.989 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

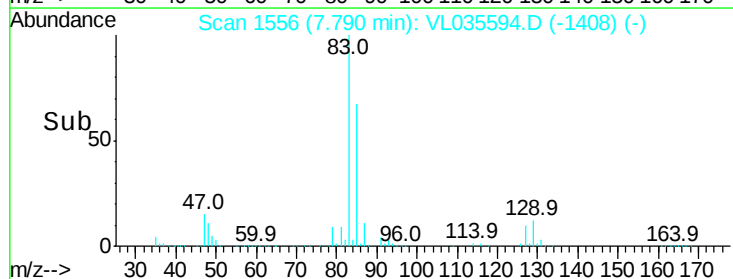
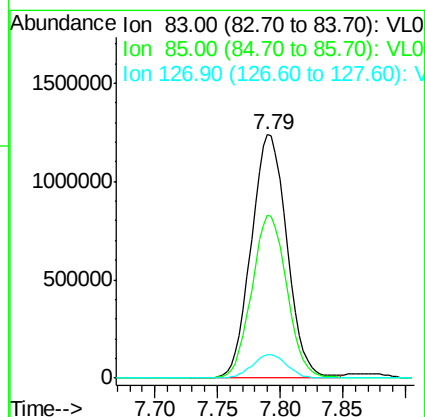
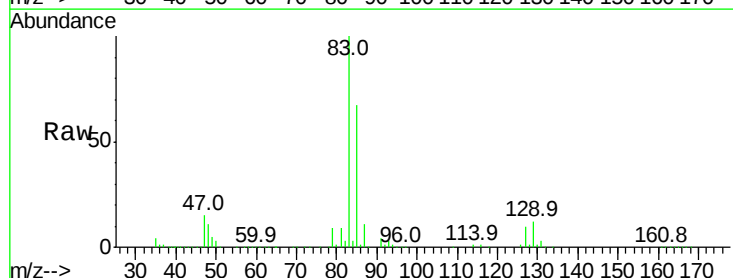
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

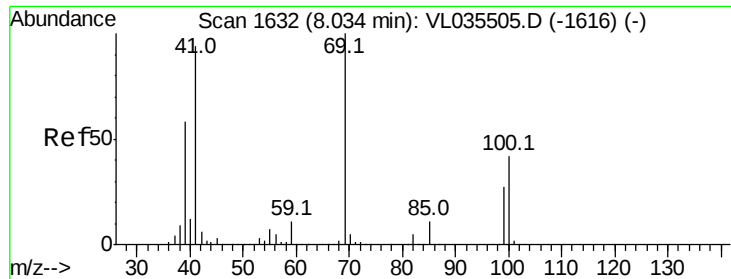
Tgt Ion: 42 Resp: 767130
Ion Ratio Lower Upper
42 100
72 59.9 48.6 73.0
71 57.4 46.1 69.1



#42
Bromodichloromethane
Concen: 11.112 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion: 83 Resp: 2459981
Ion Ratio Lower Upper
83 100
85 66.8 53.7 80.5
127 9.7 8.1 12.1

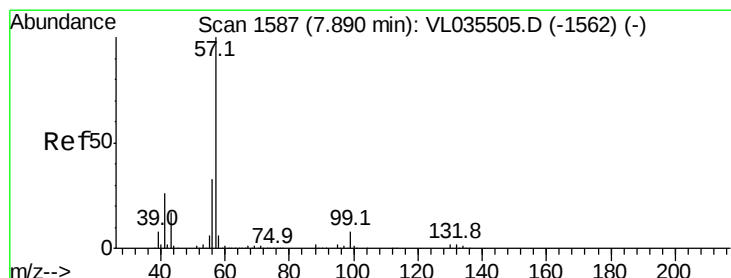
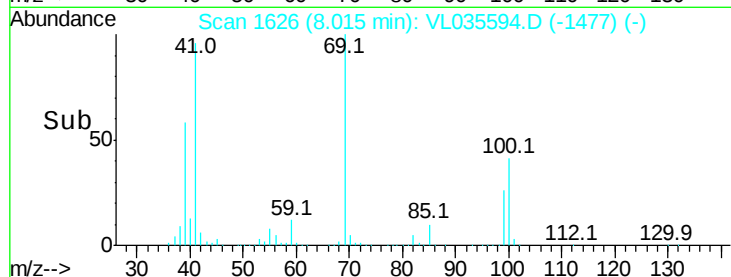
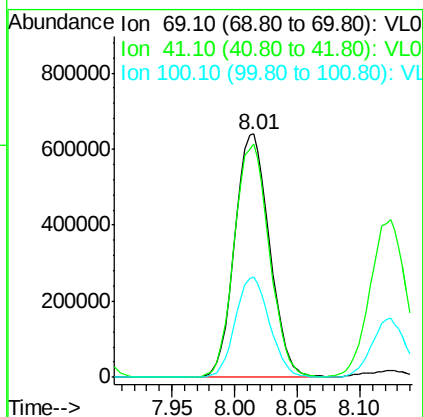
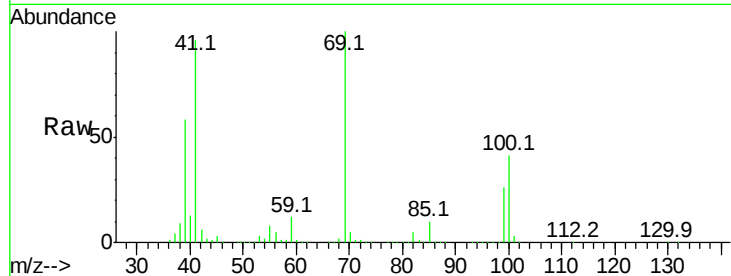




#43
Methyl Methacrylate
Concen: 11.109 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

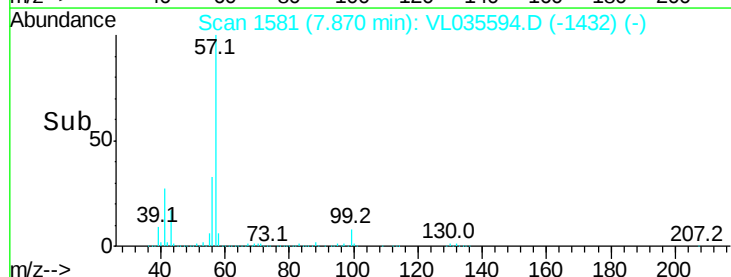
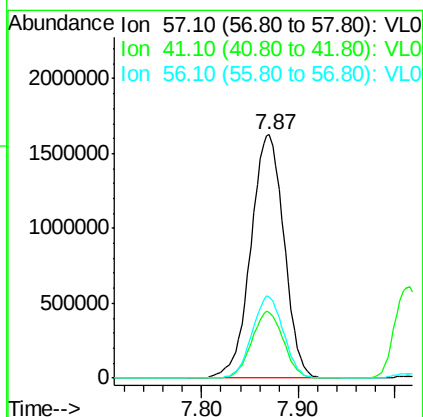
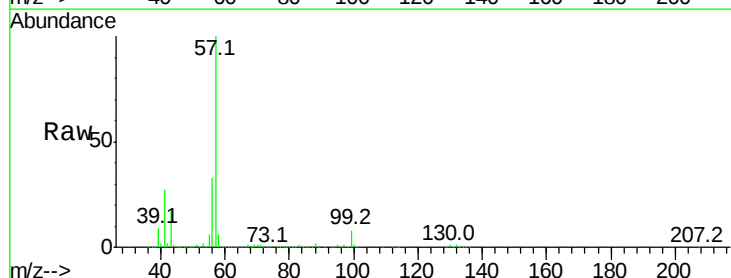
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

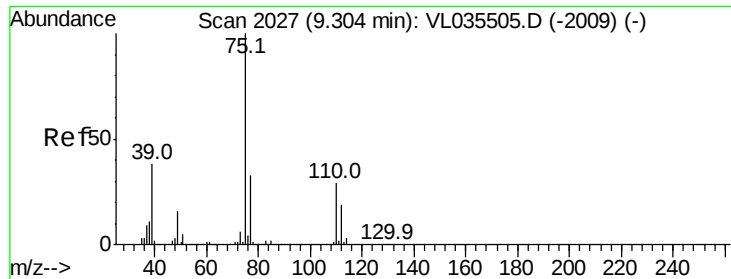
Tgt Ion: 69 Resp: 1233473
Ion Ratio Lower Upper
69 100
41 96.7 76.6 114.8
100 40.6 33.8 50.6



#44
2,2,4-Trimethylpentane
Concen: 10.256 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion: 57 Resp: 3875096
Ion Ratio Lower Upper
57 100
41 26.0 20.5 30.7
56 31.8 25.3 37.9

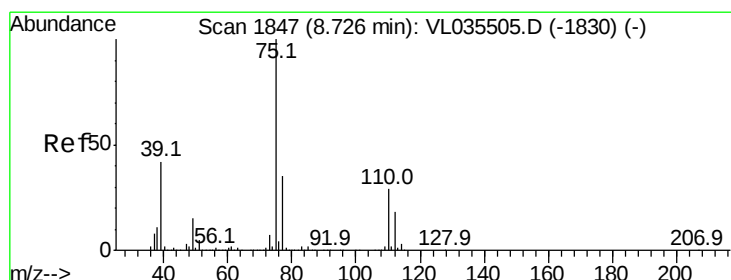
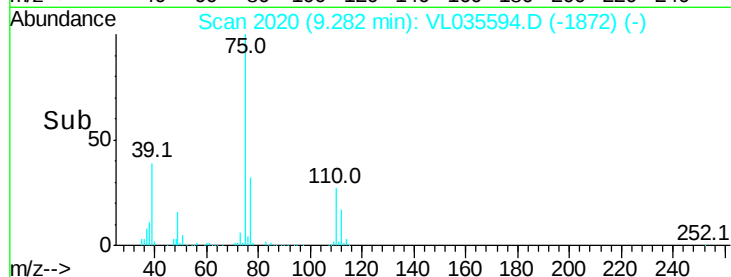
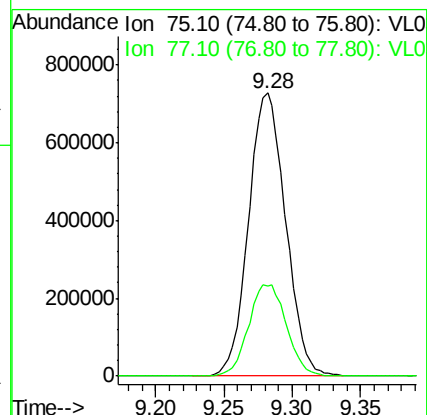
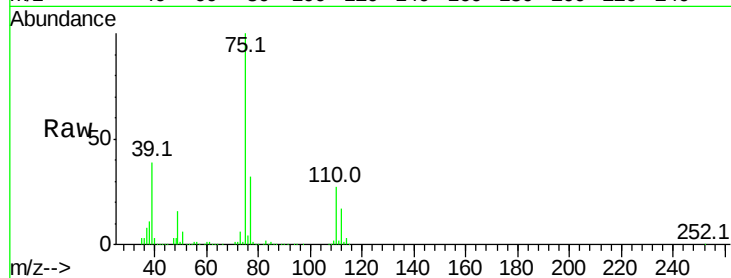




#45
t-1,3-Dichloropropene
Concen: 12.210 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

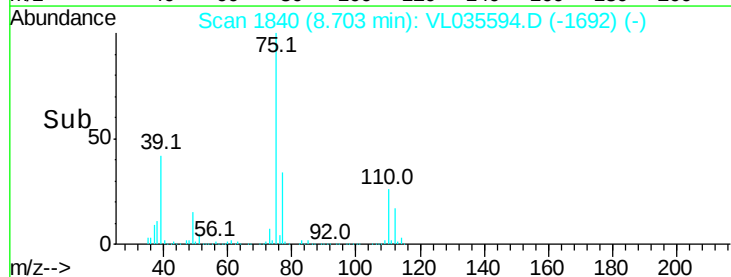
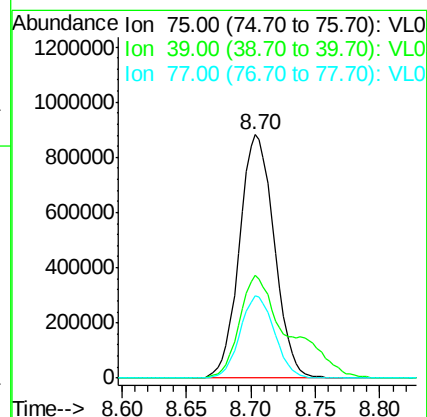
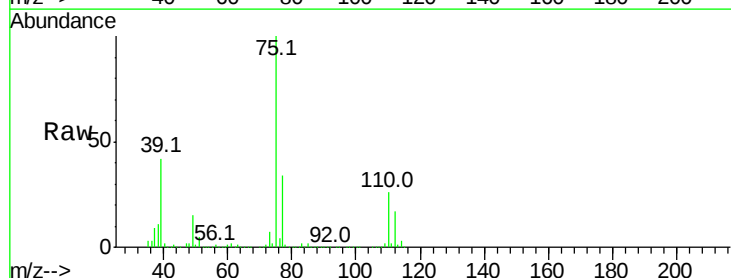
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

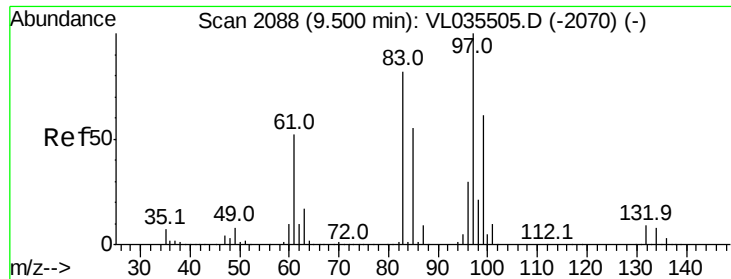
Tgt Ion: 75 Resp: 1373378
Ion Ratio Lower Upper
75 100
77 31.8 26.5 39.7



#46
cis-1,3-Dichloropropene
Concen: 11.873 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion: 75 Resp: 1658176
Ion Ratio Lower Upper
75 100
39 42.0 33.7 50.5
77 33.8 27.8 41.6



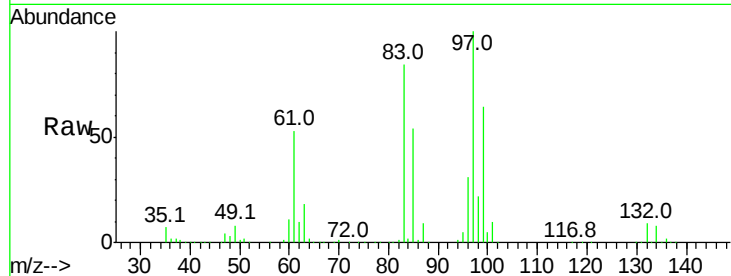


#47
 1,1,2-Trichloroethane
 Concen: 10.175 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

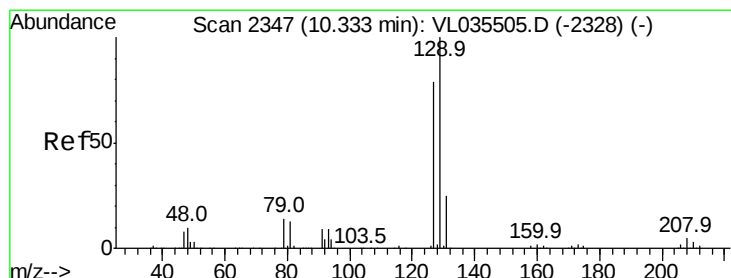
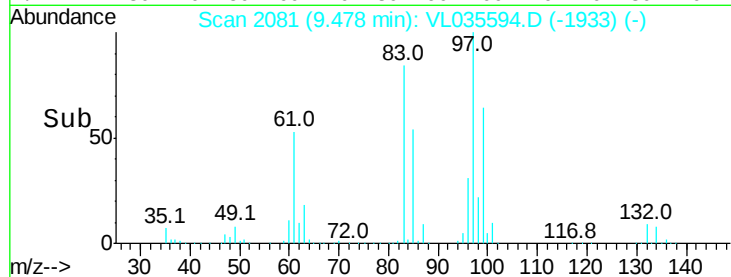
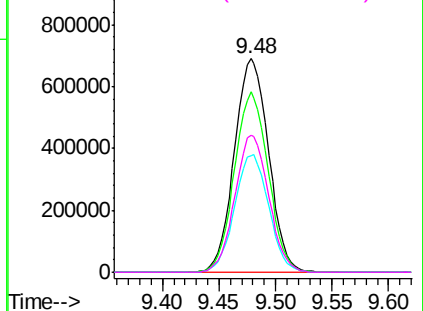
Tgt Ion: 97 Resp: 1456338

Ion	Ratio	Lower	Upper
97	100		
83	84.4	65.4	98.2
85	54.4	43.7	65.5
99	64.1	49.1	73.7



Abundance

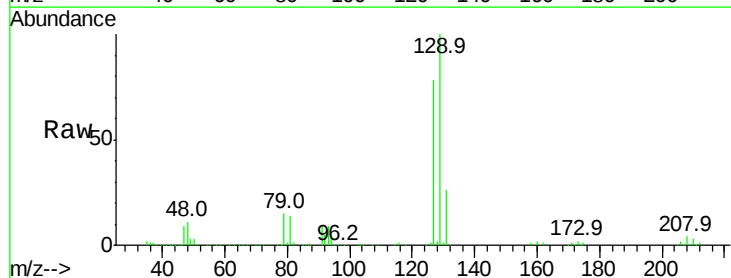
Ion 97.00 (96.70 to 97.70): VL0



#48
 Dibromochloromethane
 Concen: 10.978 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

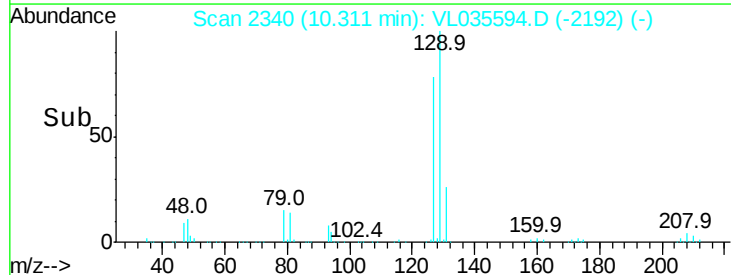
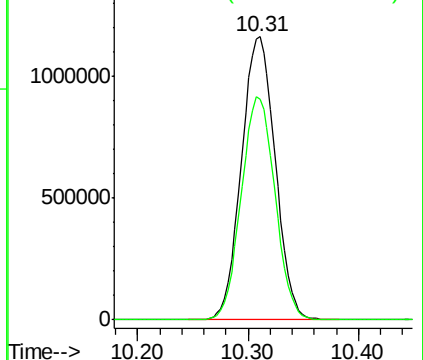
Tgt Ion: 129 Resp: 2473071

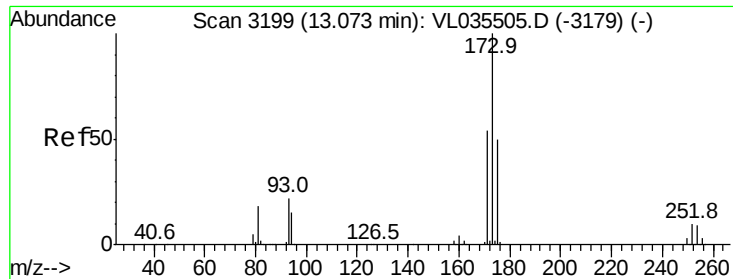
Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.3	117.8



Abundance

Ion 129.00 (128.70 to 129.70): V





#49

Bromoform

Concen: 10.901 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

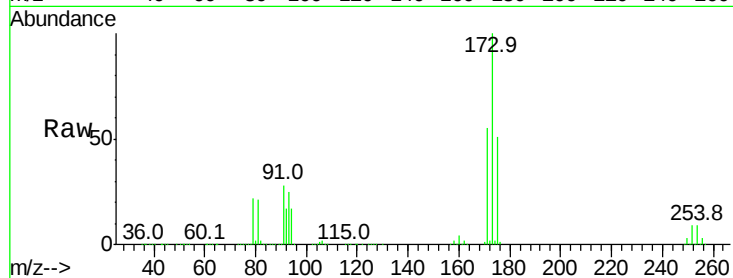
Tgt Ion:173 Resp: 2225626

Ion Ratio Lower Upper

173 100

175 49.8 39.8 59.8

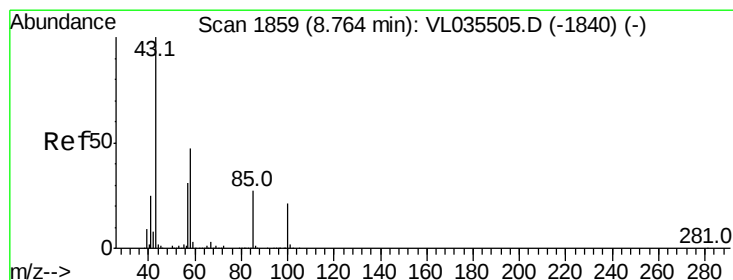
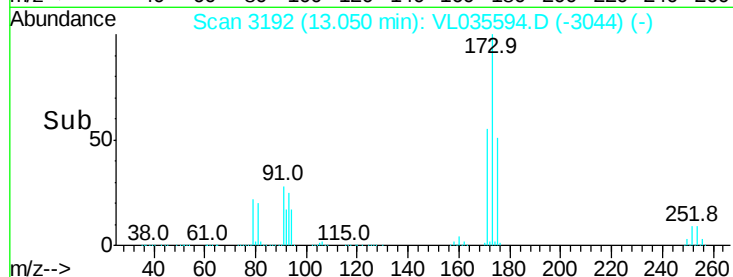
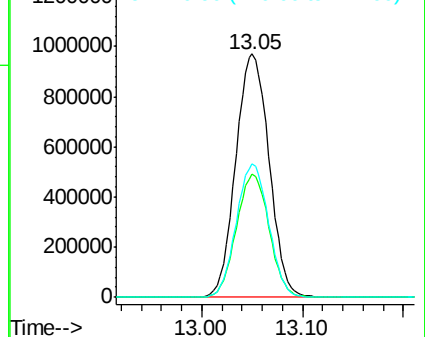
171 53.3 42.4 63.6



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: 10.645 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.02 min

Lab File: VL035594.D

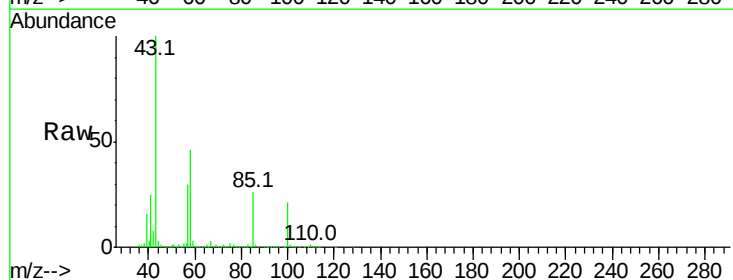
Acq: 11 Sep 2020 8:47

Tgt Ion: 43 Resp: 2029269

Ion Ratio Lower Upper

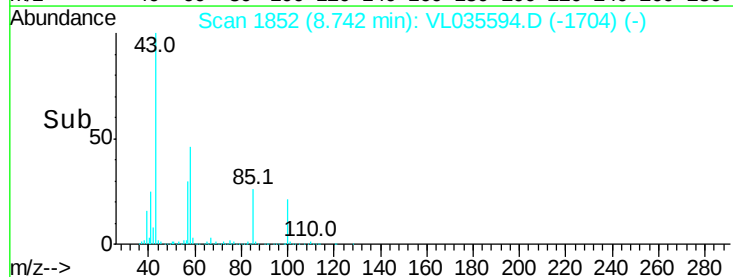
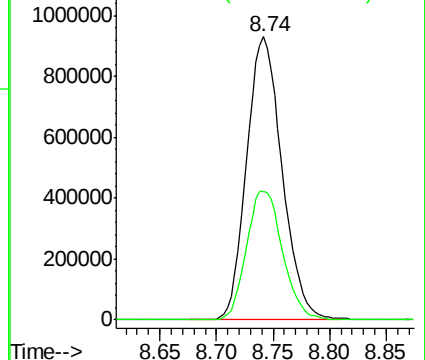
43 100

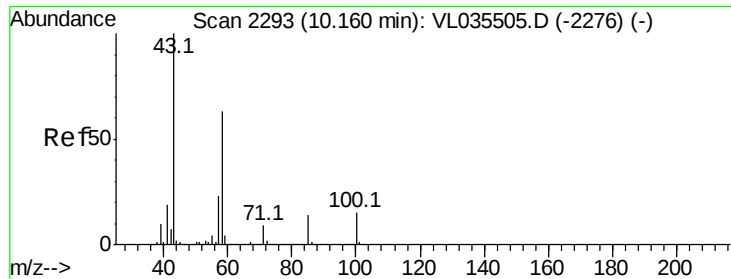
58 46.5 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.755 ppbv

RT: 10.14 min Scan# 2286

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

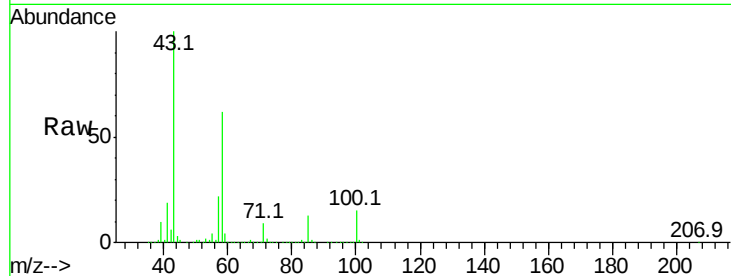
Tgt Ion: 43 Resp: 1681798

Ion Ratio Lower Upper

43 100

58 62.1 50.2 75.4

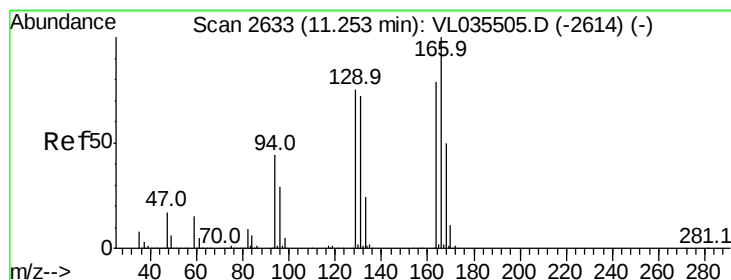
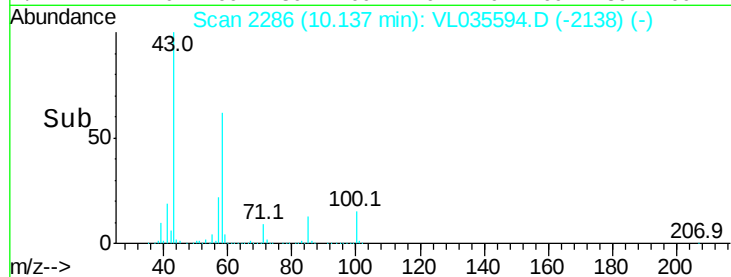
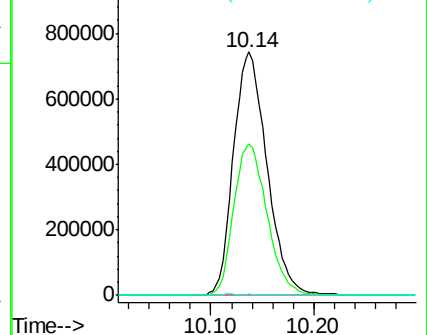
98 0.8 0.4 0.6#



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: 8.571 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. -0.03 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Tgt Ion: 164 Resp: 1437843

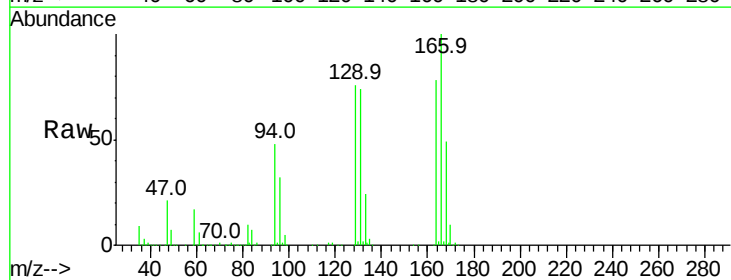
Ion Ratio Lower Upper

164 100

166 127.4 100.9 151.3

129 97.4 75.3 112.9

131 94.8 73.0 109.4

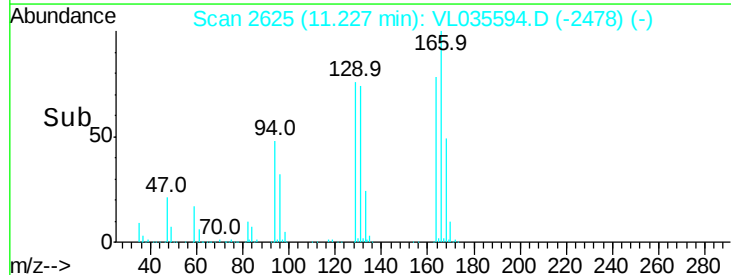
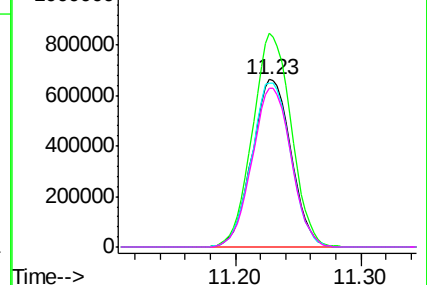


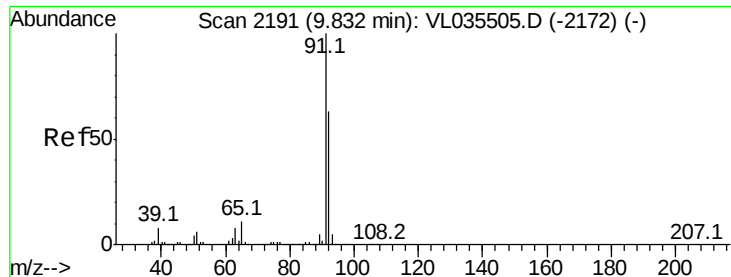
Abundance Ion 163.90 (163.60 to 164.60): V

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: 10.286 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

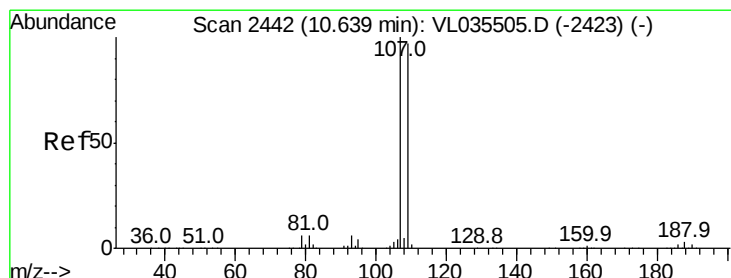
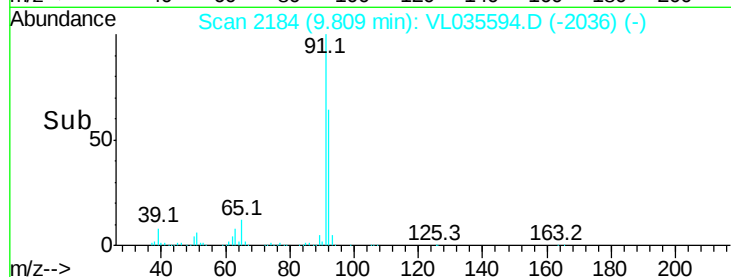
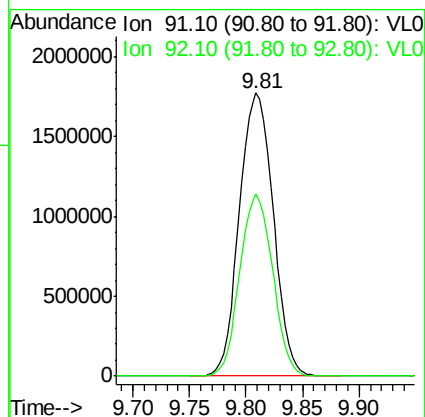
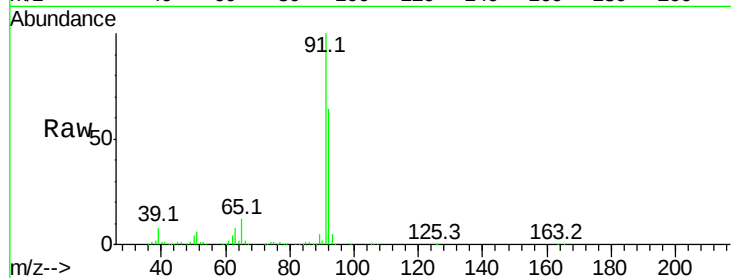
VSTDCCC010EC

Tgt Ion: 91 Resp: 3714237

Ion Ratio Lower Upper

91 100

92 62.4 49.8 74.8



#54

1,2-Dibromoethane

Concen: 10.085 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.02 min

Lab File: VL035594.D

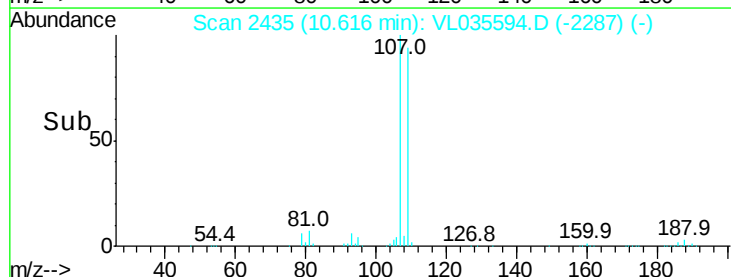
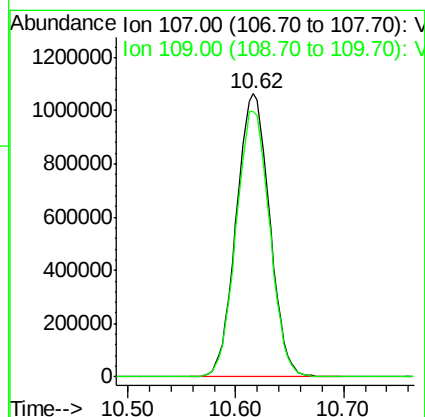
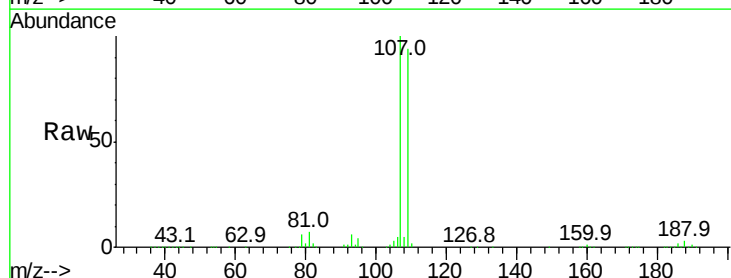
Acq: 11 Sep 2020 8:47

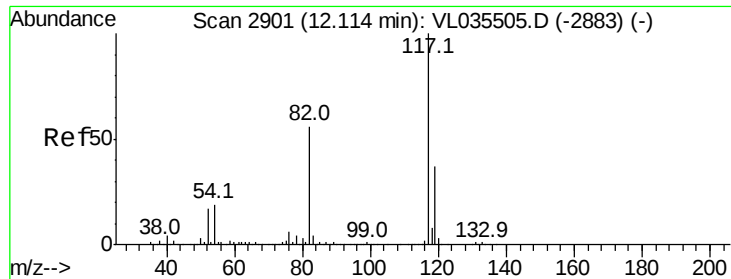
Tgt Ion: 107 Resp: 2280837

Ion Ratio Lower Upper

107 100

109 94.0 77.8 116.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

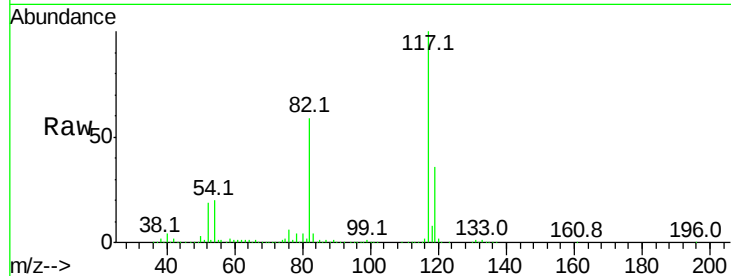
Tgt Ion:117 Resp: 5624337

Ion Ratio Lower Upper

117 100

82 45.6 41.6 62.4

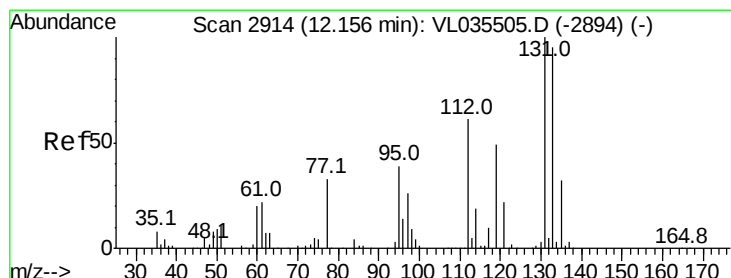
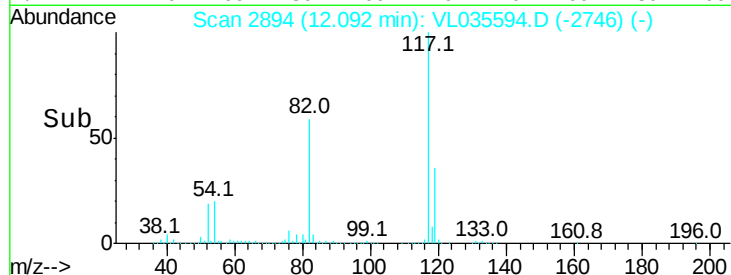
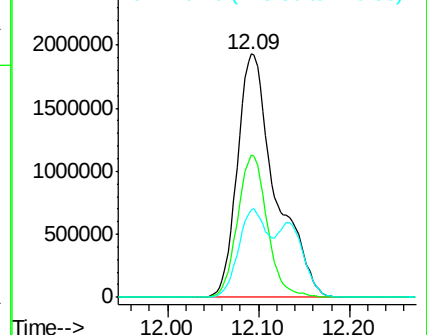
119 27.4 29.3 43.9#



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: 8.442 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

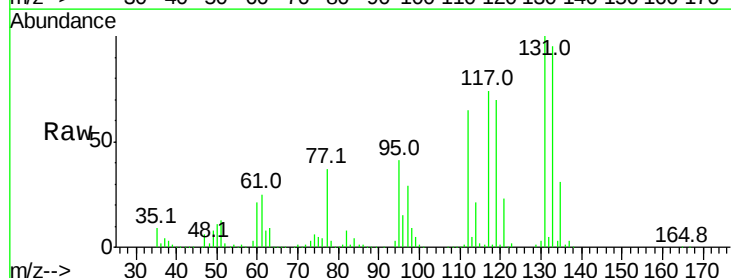
Tgt Ion:131 Resp: 1932031

Ion Ratio Lower Upper

131 100

133 94.9 76.6 115.0

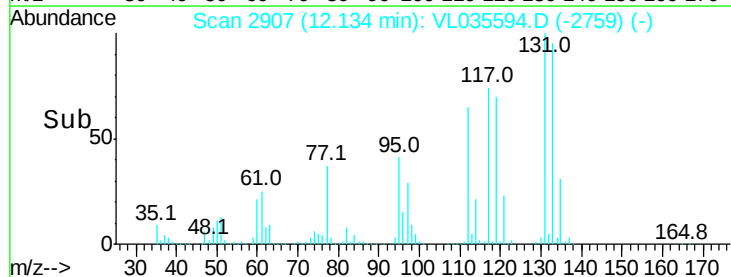
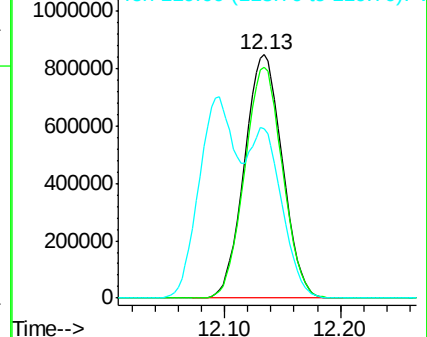
119 59.4 51.6 77.4

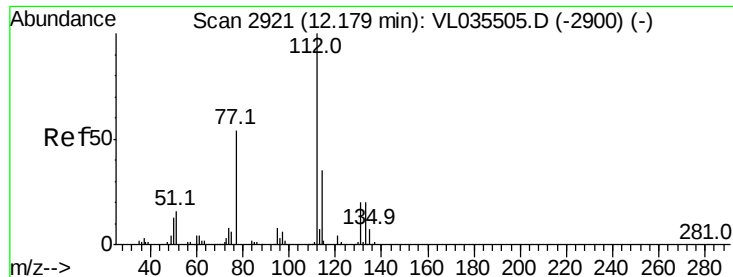


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

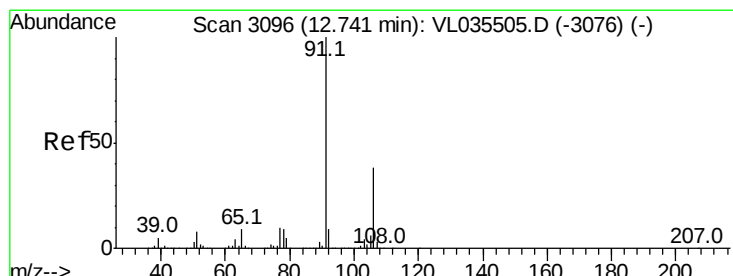
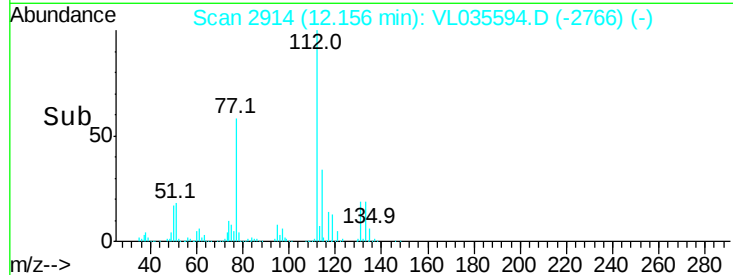
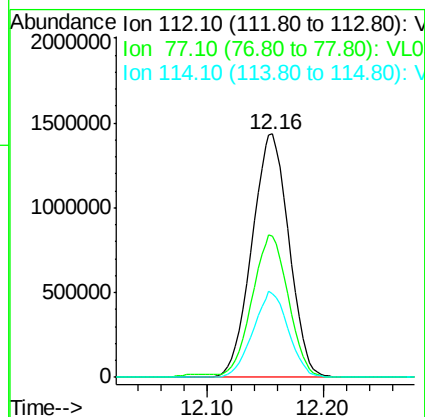
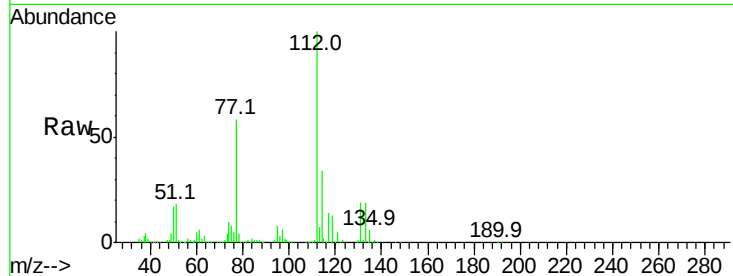




#57
Chlorobenzene
Concen: 7.687 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

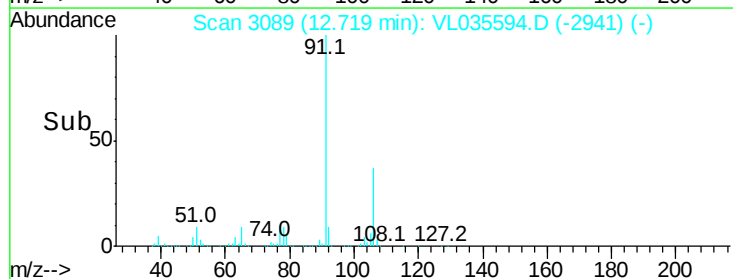
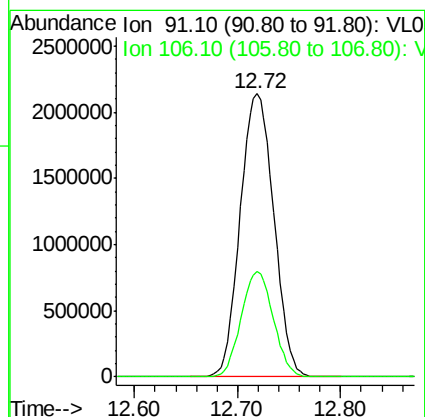
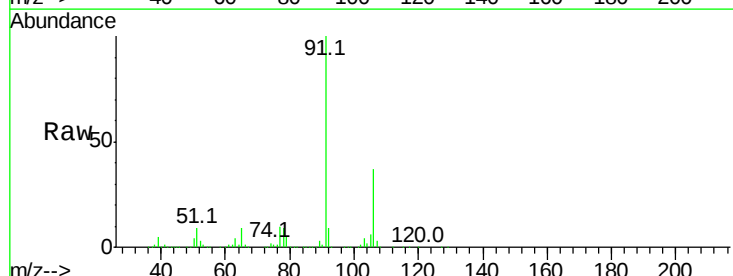
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

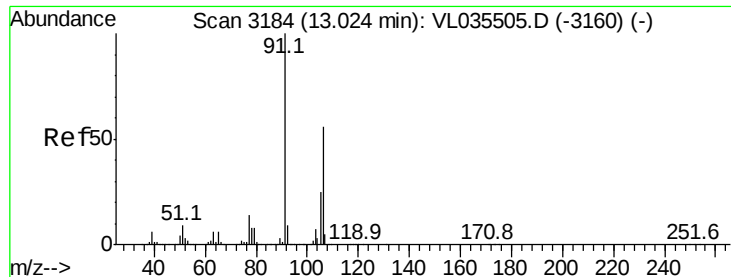
Tgt Ion:112 Resp: 3181950
Ion Ratio Lower Upper
112 100
77 58.0 44.2 66.4
114 34.3 31.6 38.6



#58
Ethyl Benzene
Concen: 8.368 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion: 91 Resp: 4853284
Ion Ratio Lower Upper
91 100
106 37.3 30.3 45.5

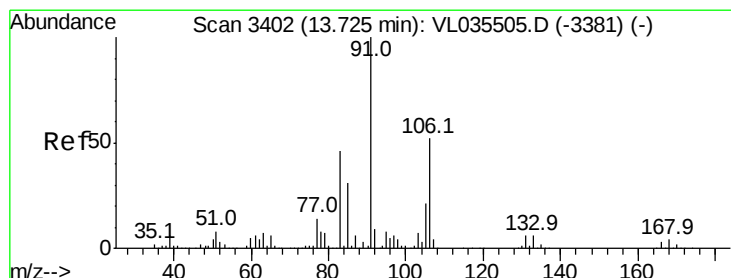
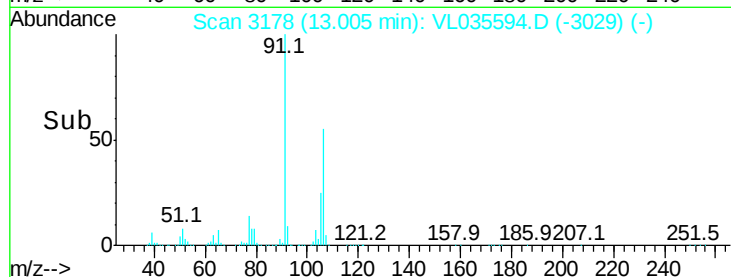
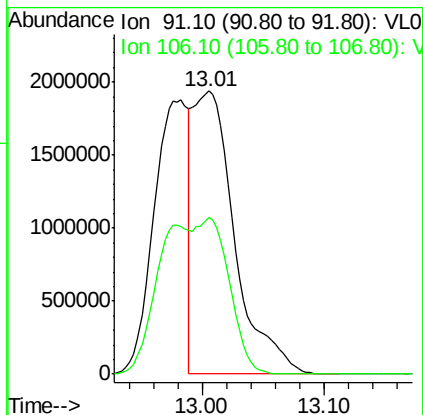
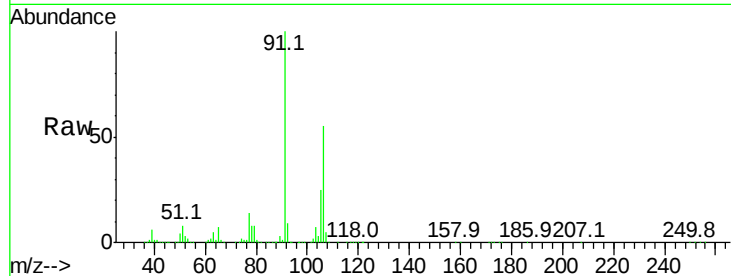




#59
m/p-Xylene
Concen: 9.419 ppbv
RT: 13.01 min Scan# 3178
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

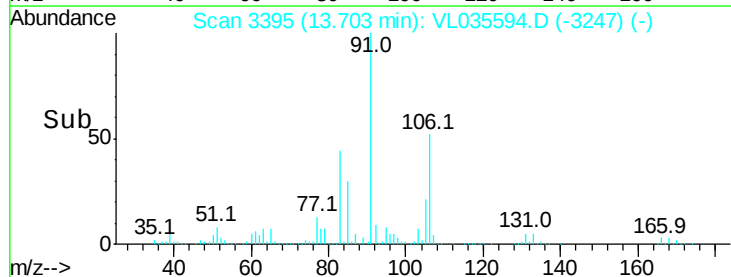
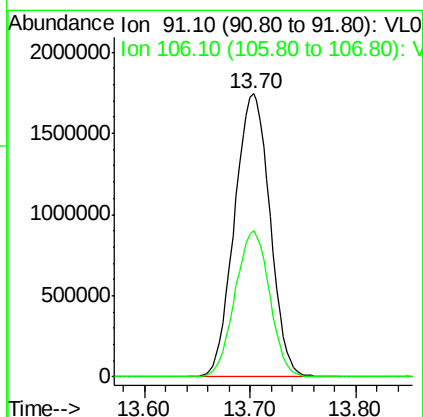
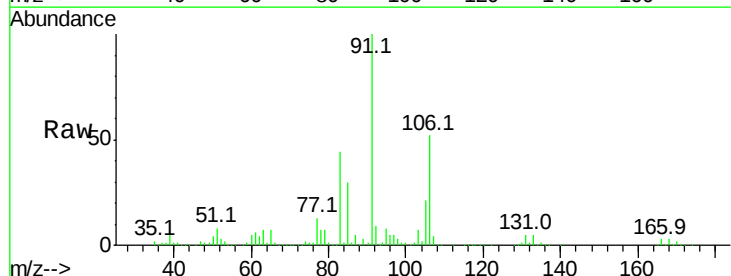
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

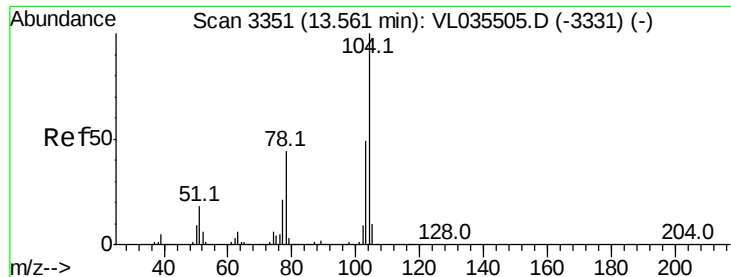
Tgt Ion: 91 Resp: 4564806
Ion Ratio Lower Upper
91 100
106 91.6 43.4 65.2#



#60
o-Xylene
Concen: 8.327 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion: 91 Resp: 4064589
Ion Ratio Lower Upper
91 100
106 50.5 25.8 77.4





#61

Styrene

Concen: 8.662 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

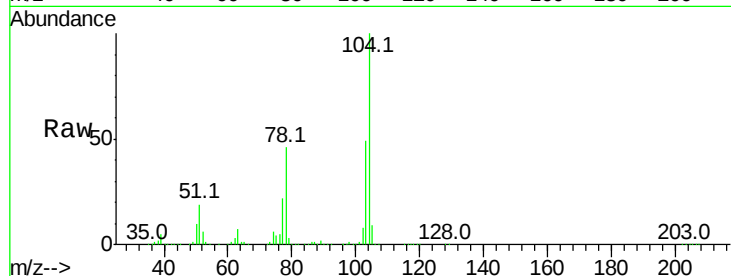
Tgt Ion:104 Resp: 3233642

Ion Ratio Lower Upper

104 100

78 45.3 34.8 52.2

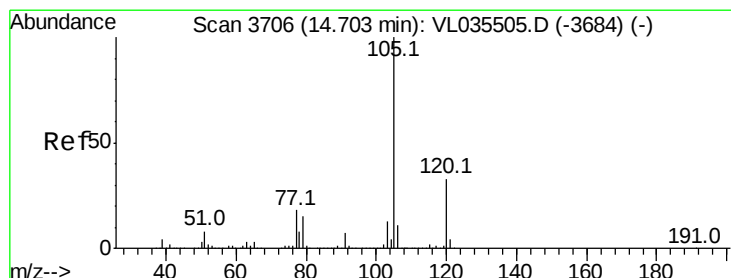
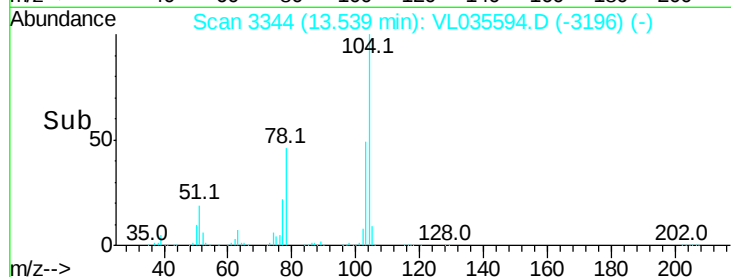
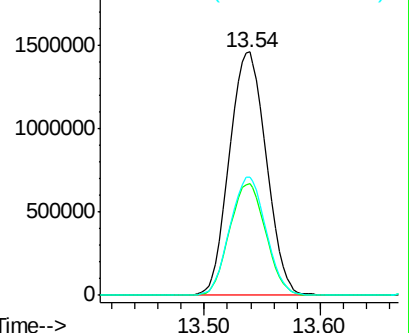
103 47.6 38.2 57.4



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: 7.816 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. -0.02 min

Lab File: VL035594.D

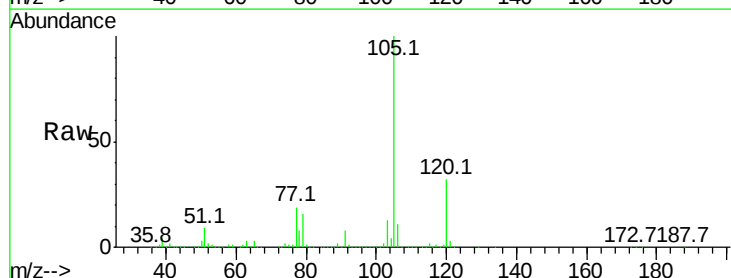
Acq: 11 Sep 2020 8:47

Tgt Ion:105 Resp: 6127985

Ion Ratio Lower Upper

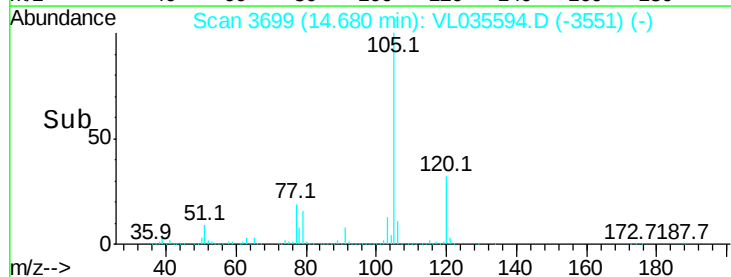
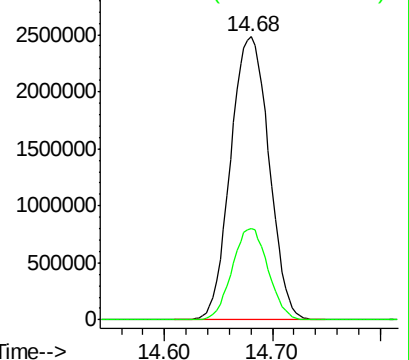
105 100

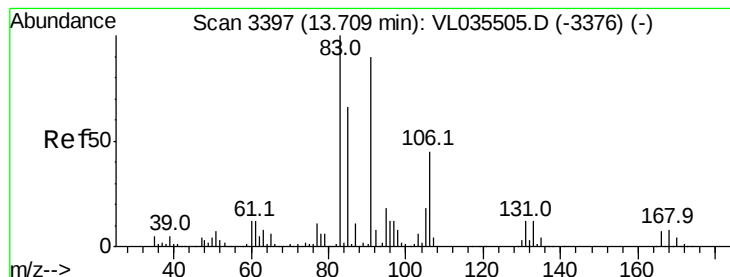
120 30.3 25.0 37.4



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: 7.769 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

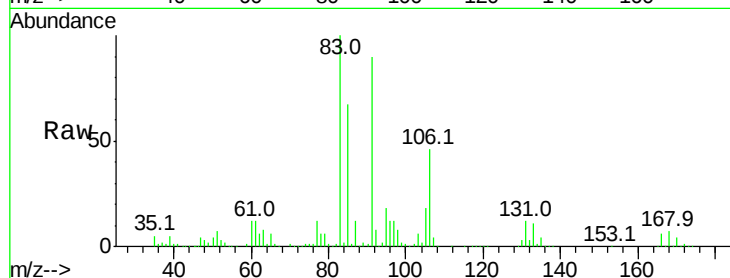
Tgt Ion: 83 Resp: 2939961

Ion Ratio Lower Upper

83 100

131 11.1 6.0 18.0

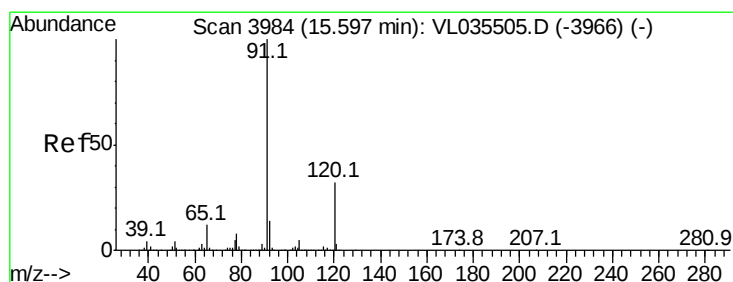
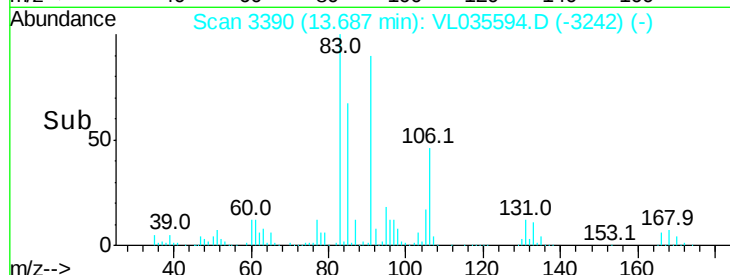
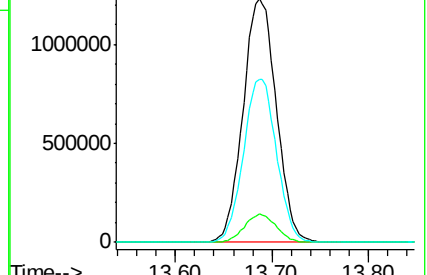
85 66.6 33.4 100.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.932 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. -0.02 min

Lab File: VL035594.D

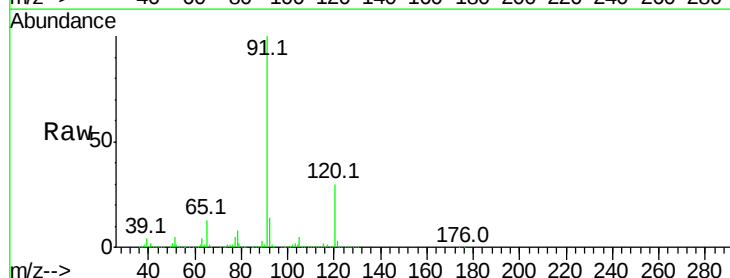
Acq: 11 Sep 2020 8:47

Tgt Ion: 120 Resp: 1897987

Ion Ratio Lower Upper

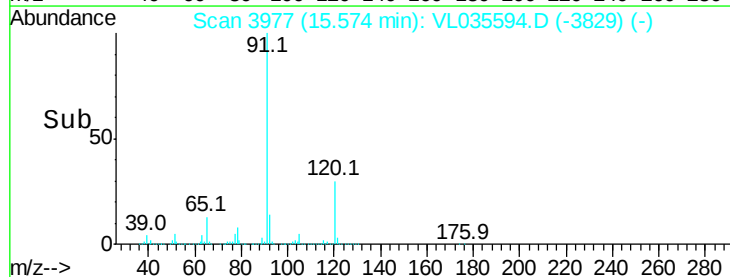
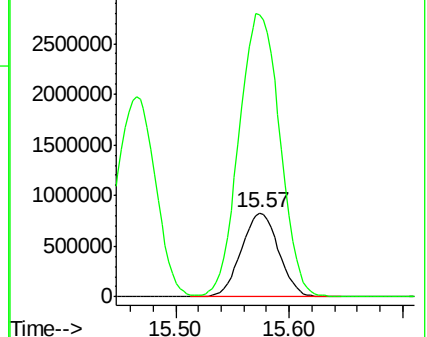
120 100

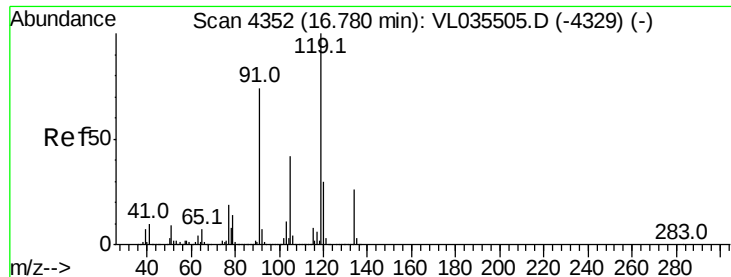
91 371.0 279.4 419.0



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.883 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

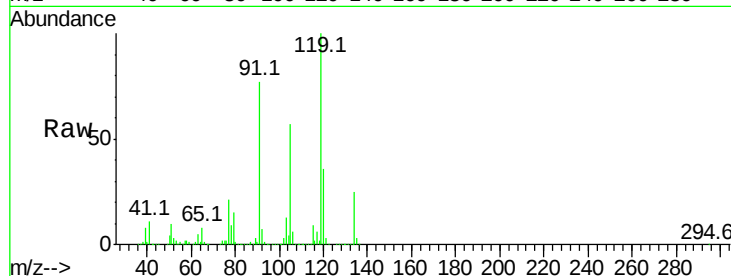
Tgt Ion:119 Resp: 5745487

Ion Ratio Lower Upper

119 100

91 76.1 58.6 87.8

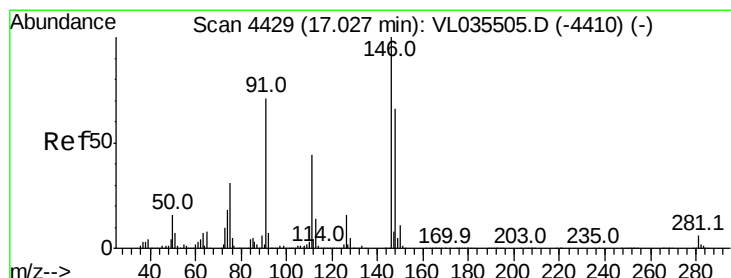
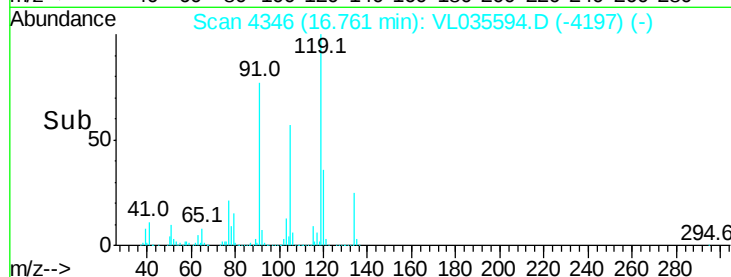
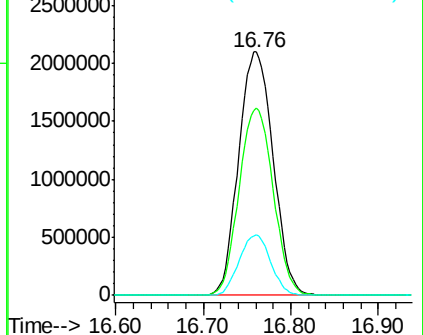
134 22.7 18.9 28.3



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: 10.386 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

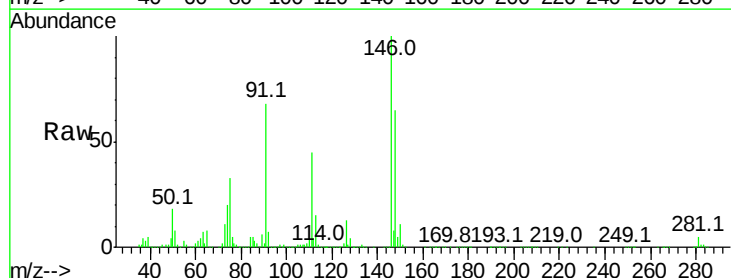
Tgt Ion: 91 Resp: 1881233

Ion Ratio Lower Upper

91 100

126 19.0 17.2 25.8

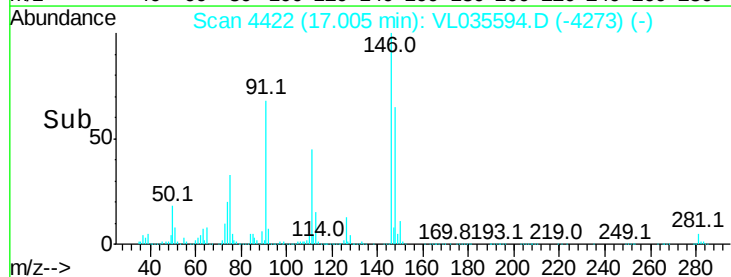
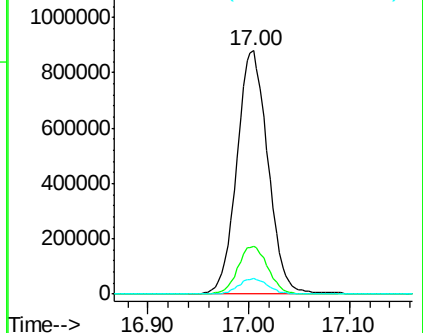
128 6.1 5.5 8.3

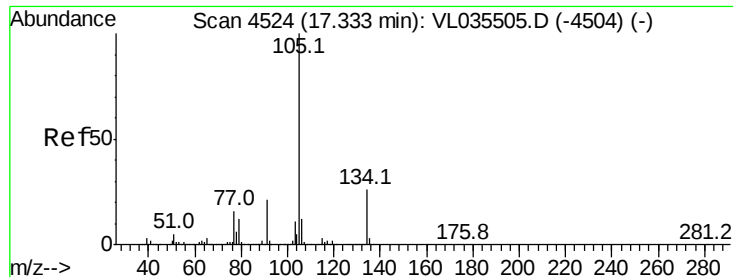


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.798 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

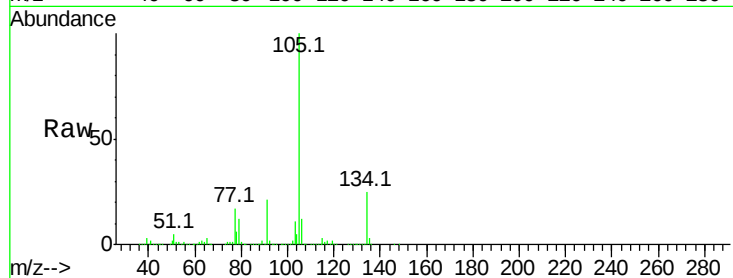
VSTDCCC010EC

Tgt Ion: 105 Resp: 7572545

Ion Ratio Lower Upper

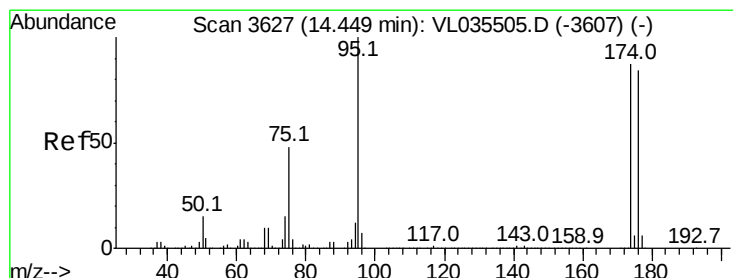
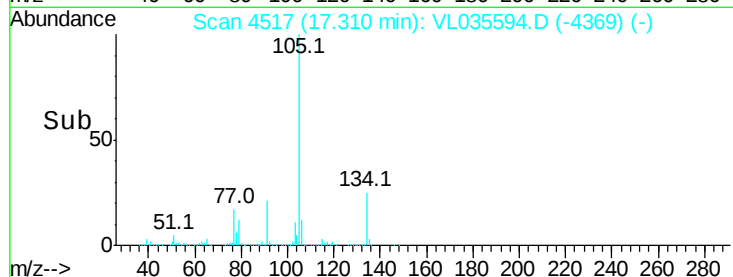
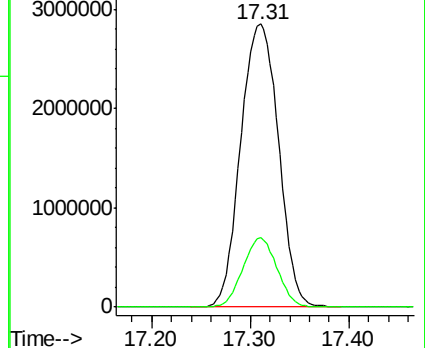
105 100

134 22.2 19.1 28.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.528 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

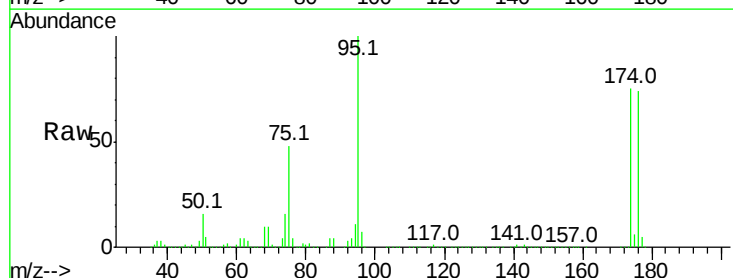
Tgt Ion: 95 Resp: 3406306

Ion Ratio Lower Upper

95 100

174 77.1 69.6 104.4

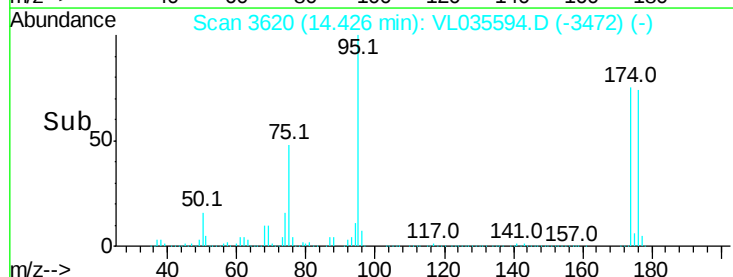
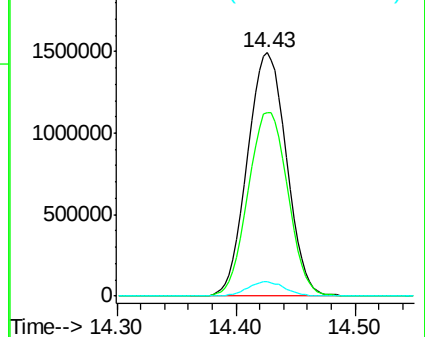
175 5.7 5.1 7.7

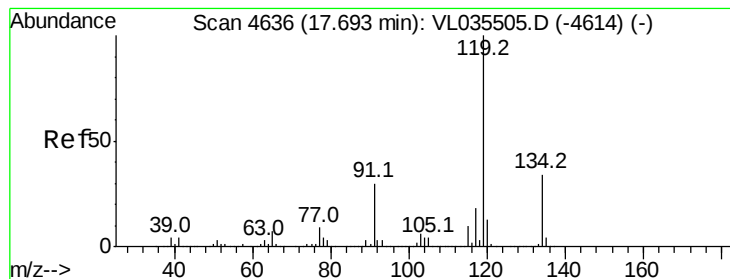


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.589 ppbv

RT: 17.67 min Scan# 4629

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

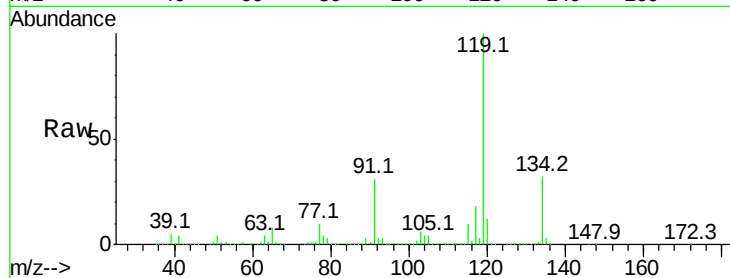
Tgt Ion:119 Resp: 6464409

Ion Ratio Lower Upper

119 100

134 29.7 25.0 37.4

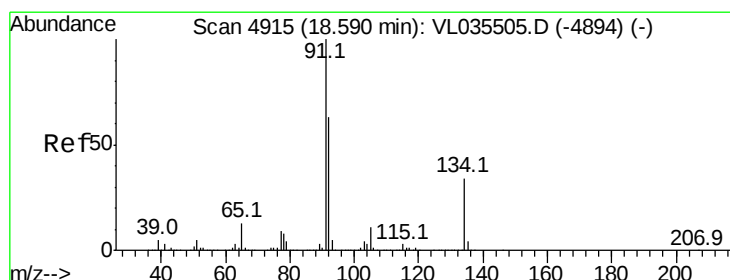
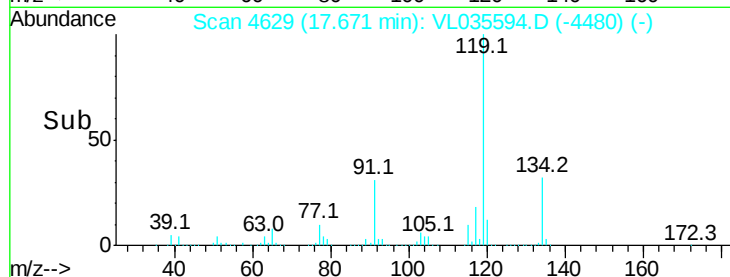
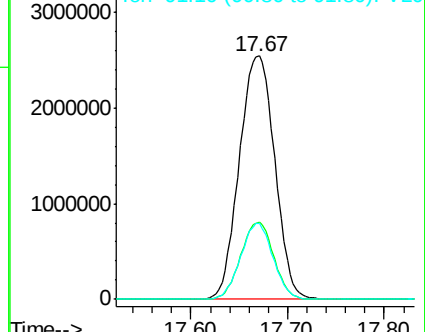
91 28.7 22.3 33.5



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): VL0



#70

n-Butylbenzene

Concen: 7.702 ppbv

RT: 18.56 min Scan# 4907

Delta R.T. -0.03 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

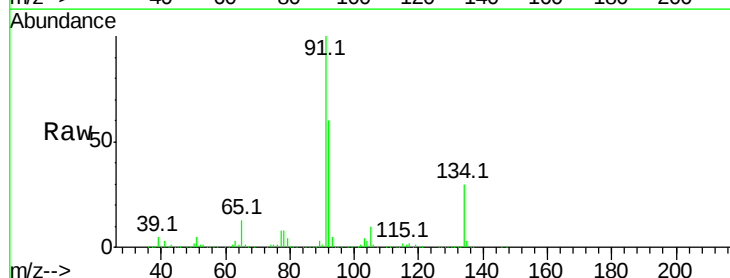
Tgt Ion: 91 Resp: 6319607

Ion Ratio Lower Upper

91 100

92 58.2 47.3 70.9

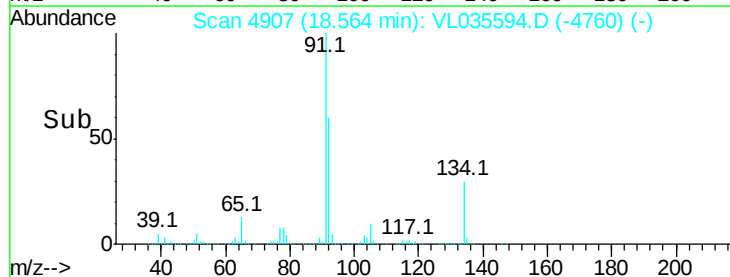
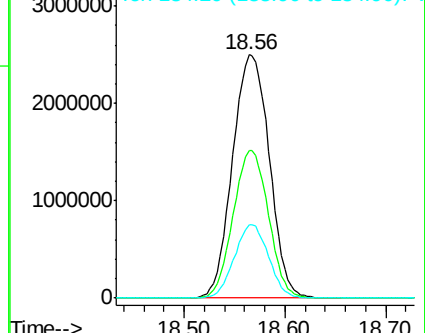
134 28.2 24.6 37.0

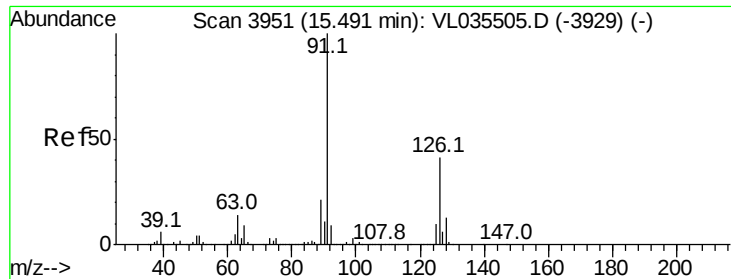


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

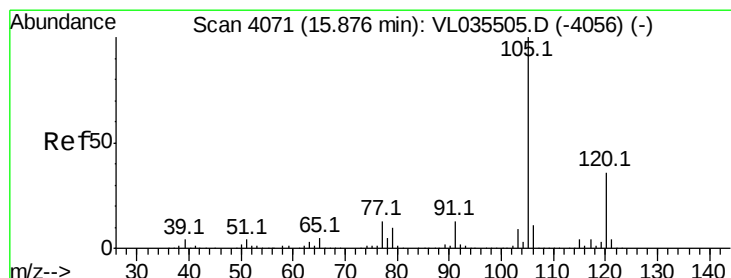
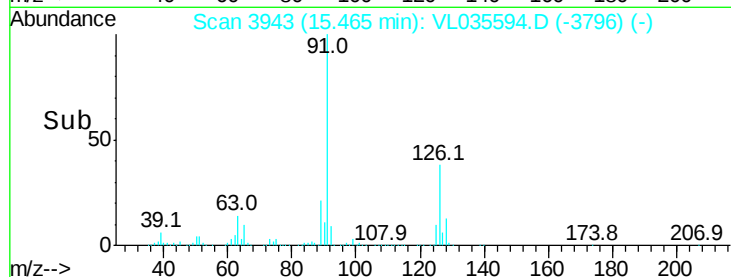
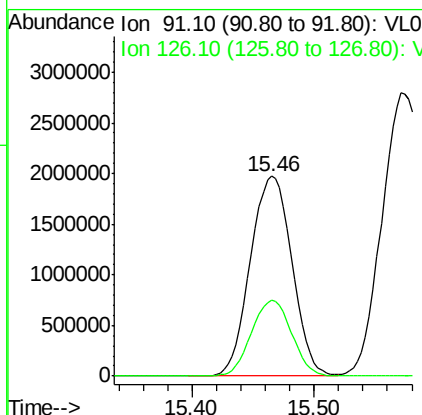
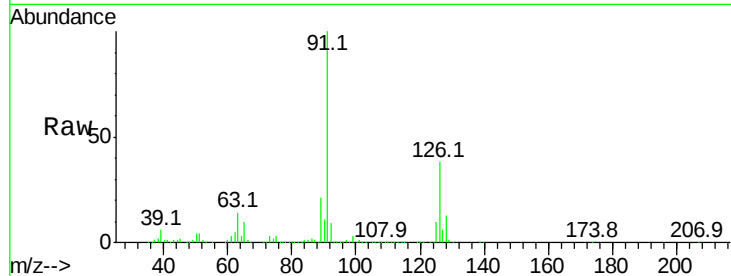




#71
 2-Chlorotoluene
 Concen: 8.197 ppbv
 RT: 15.46 min Scan# 3943
 Delta R.T. -0.03 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

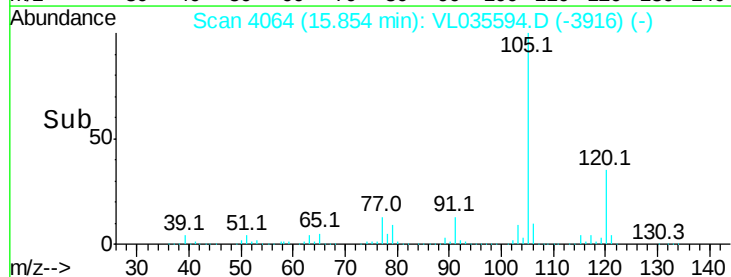
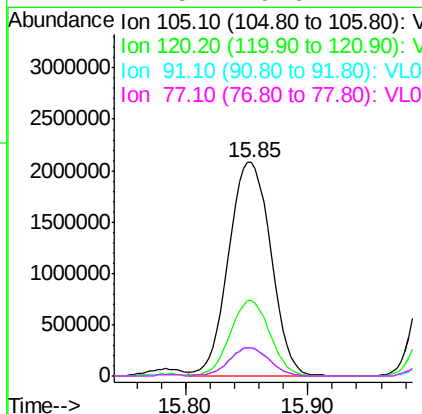
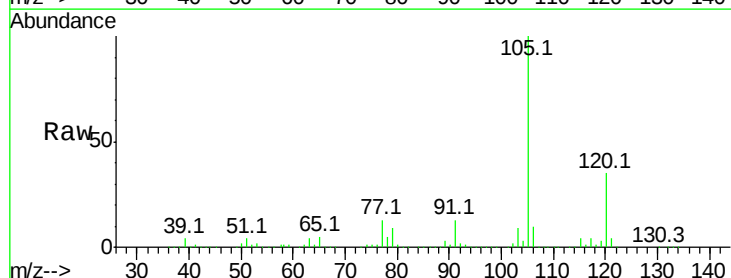
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

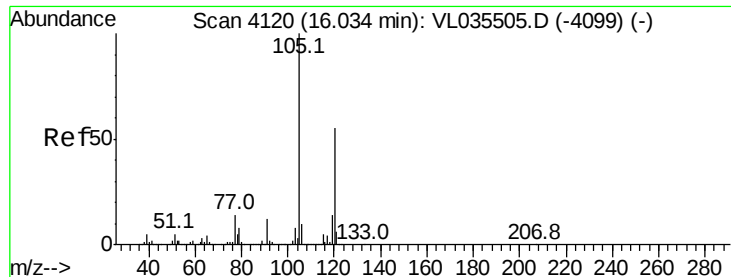
Tgt Ion: 91 Resp: 4680181
 Ion Ratio Lower Upper
 91 100
 126 36.6 15.6 62.6



#72
 4-Ethyltoluene
 Concen: 8.045 ppbv
 RT: 15.85 min Scan# 4064
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Tgt Ion: 105 Resp: 4992413
 Ion Ratio Lower Upper
 105 100
 120 33.3 27.4 41.2
 91 12.6 9.7 14.5
 77 12.5 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 8.137 ppbv

RT: 16.01 min Scan# 4113

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

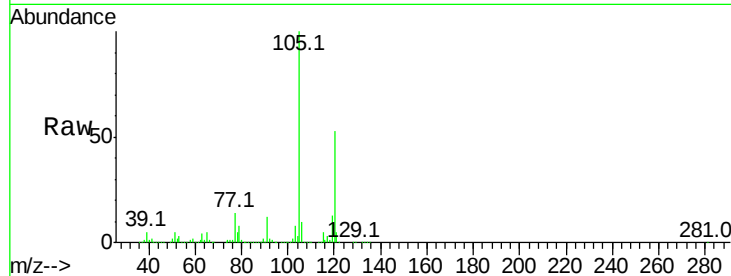
VSTDCCC010EC

Tgt Ion:105 Resp: 4669978

Ion Ratio Lower Upper

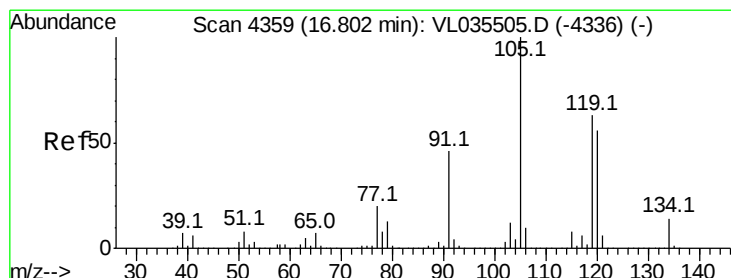
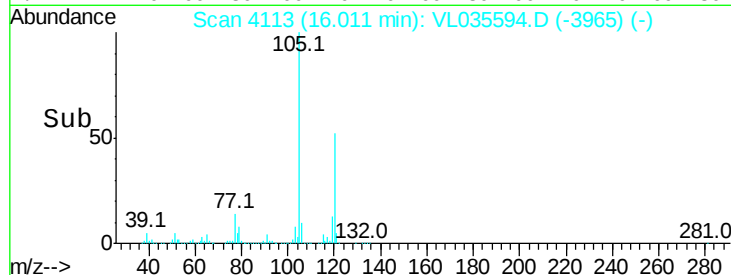
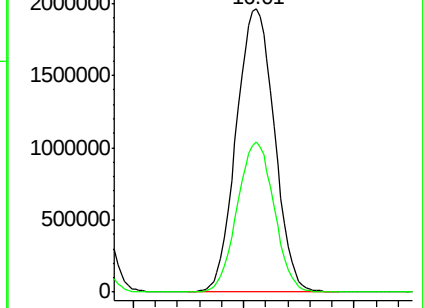
105 100

120 53.1 44.2 66.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.723 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.03 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Tgt Ion:105 Resp: 4867661

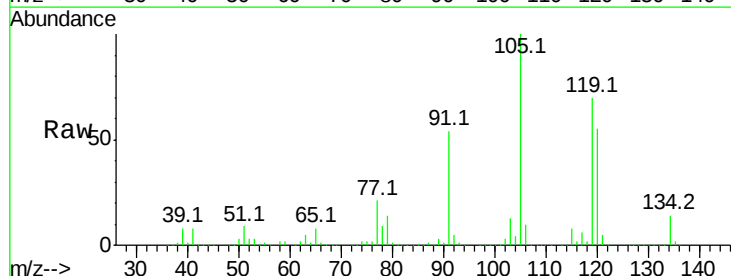
Ion Ratio Lower Upper

105 100

120 54.8 44.4 66.6

91 54.2 37.1 55.7

77 21.4 16.0 24.0

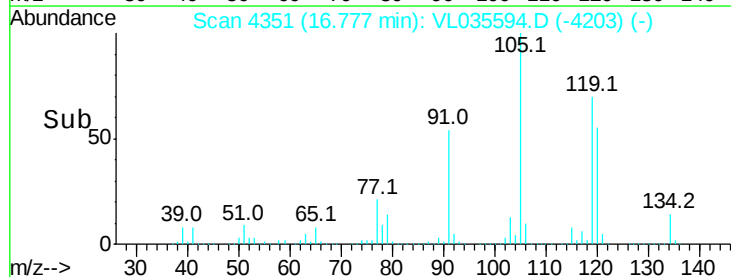
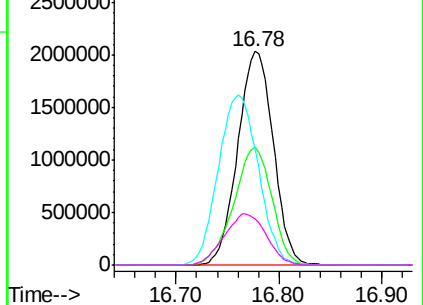


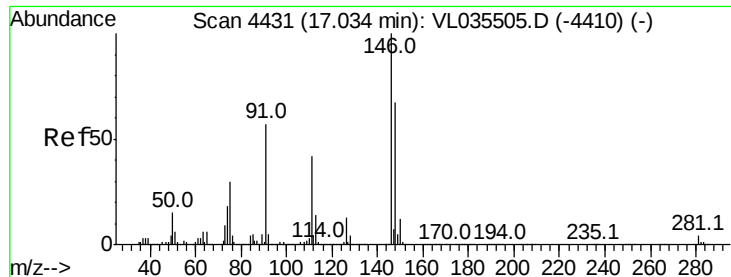
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.066 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. -0.03 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

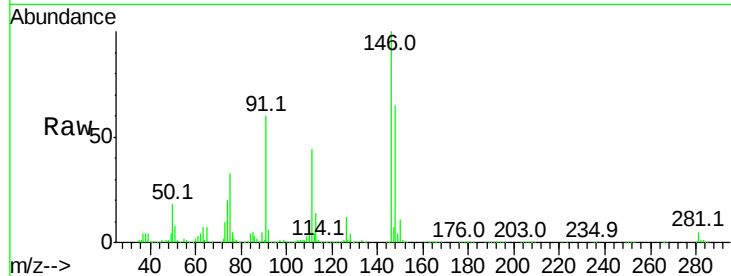
Tgt Ion:146 Resp: 3298851

Ion Ratio Lower Upper

146 100

111 43.4 20.7 62.1

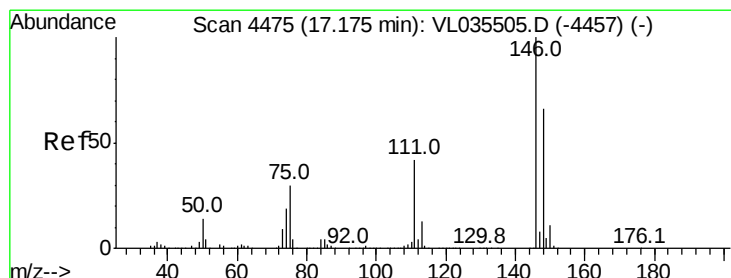
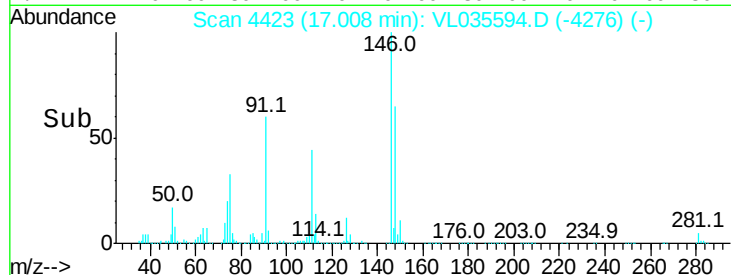
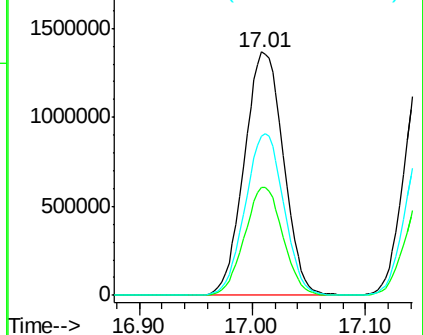
148 65.4 33.0 98.9



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: 7.157 ppbv

RT: 17.15 min Scan# 4468

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

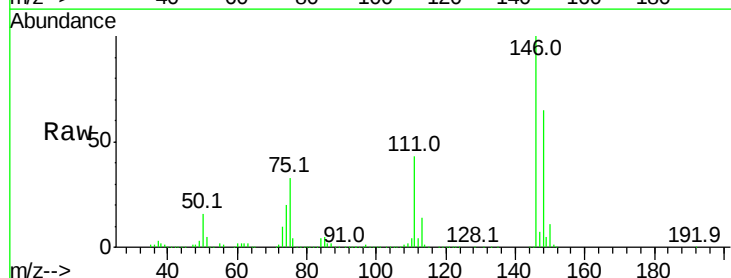
Tgt Ion:146 Resp: 3295208

Ion Ratio Lower Upper

146 100

111 42.2 20.0 60.0

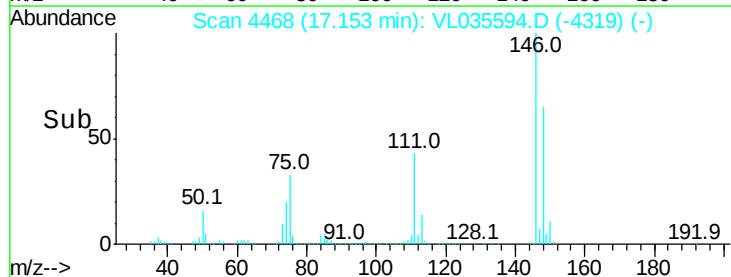
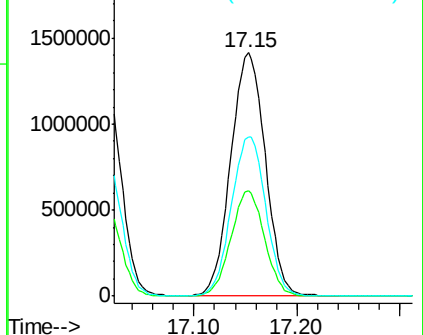
148 65.7 33.2 99.6

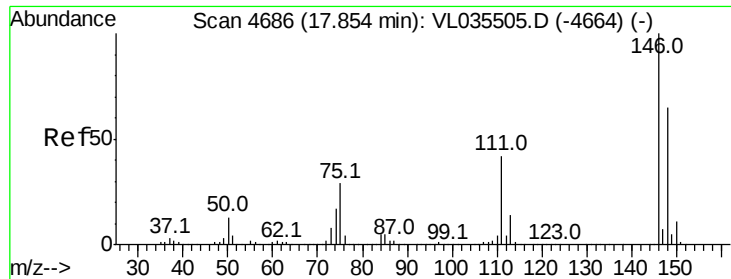


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

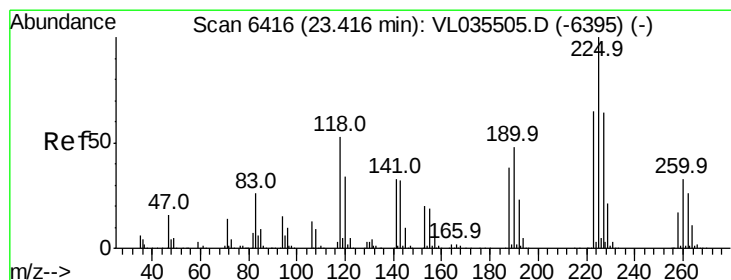
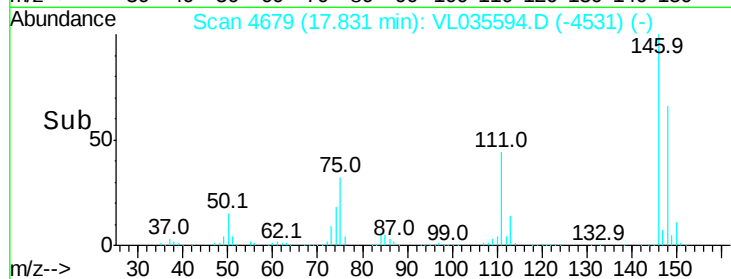
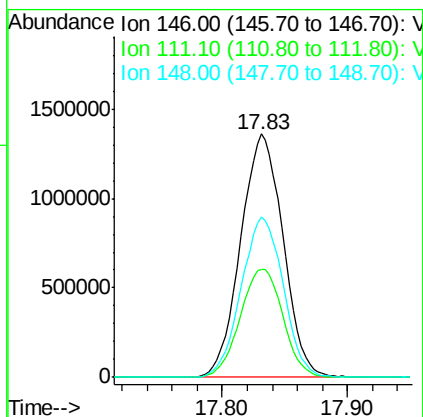
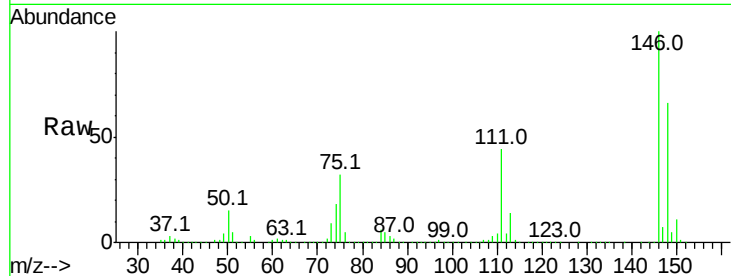




#77
 1,2-Dichlorobenzene
 Concen: 7.060 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

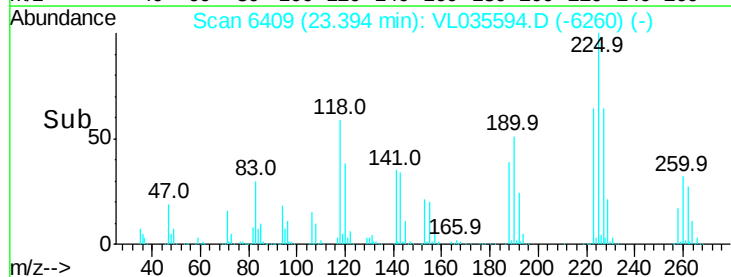
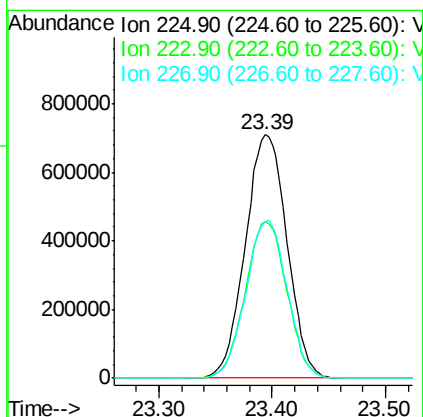
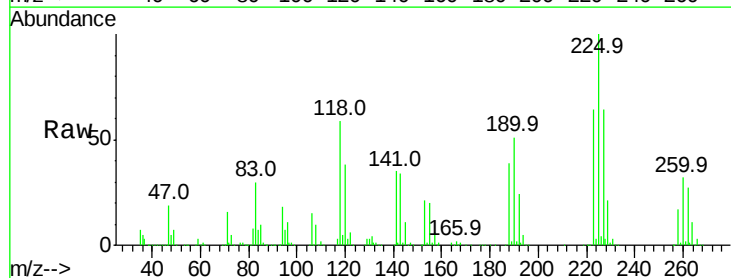
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

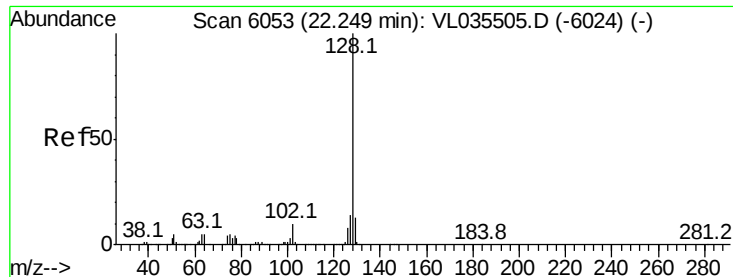
Tgt Ion:146 Resp: 3193473
 Ion Ratio Lower Upper
 146 100
 111 45.0 21.1 63.3
 148 65.8 32.9 98.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.302 ppbv
 RT: 23.39 min Scan# 6409
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Tgt Ion:225 Resp: 1819810
 Ion Ratio Lower Upper
 225 100
 223 63.8 51.7 77.5
 227 64.0 51.5 77.3

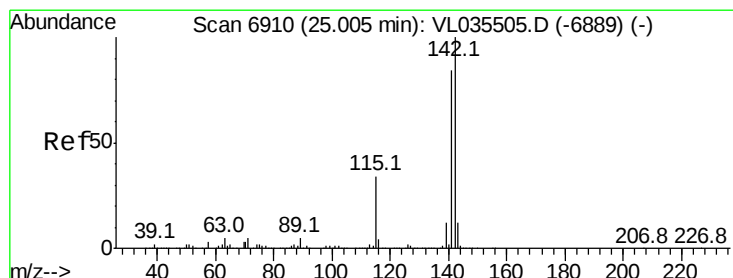
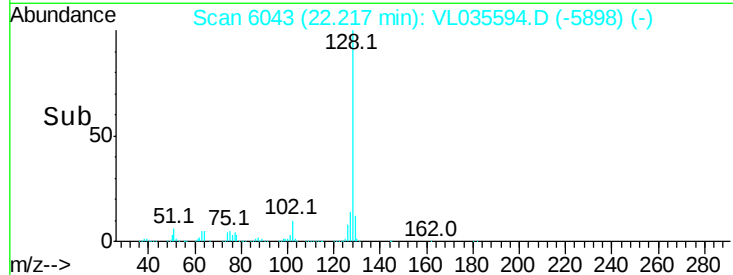
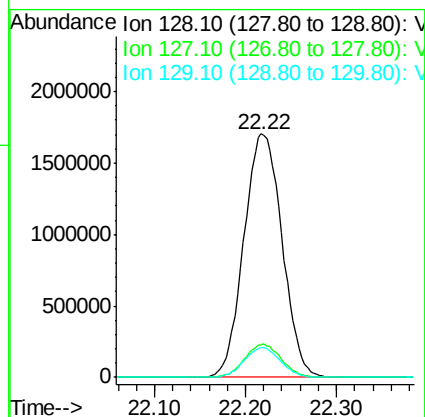
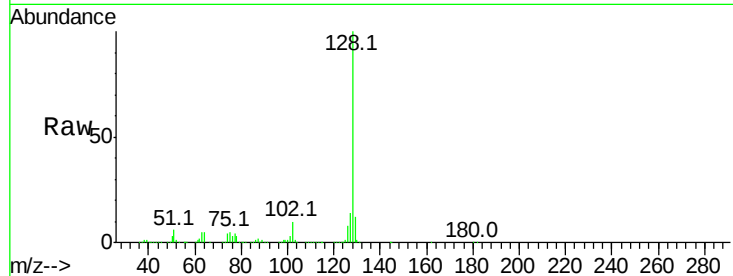




#79
Naphthalene
Concen: 7.103 ppbv
RT: 22.22 min Scan# 6043
Delta R.T. -0.03 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

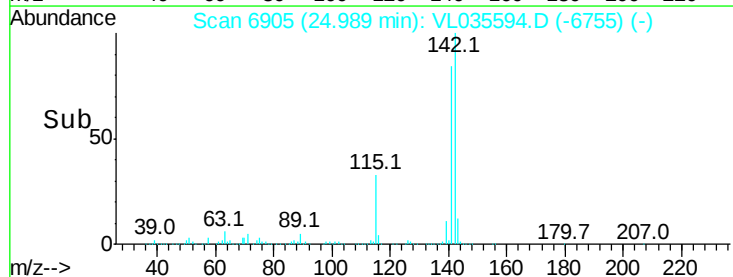
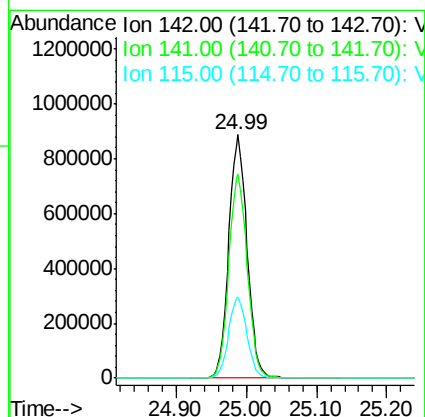
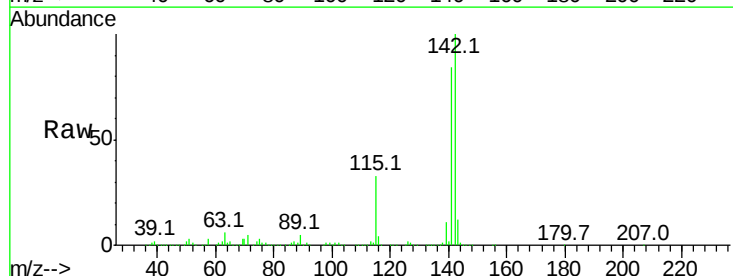
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

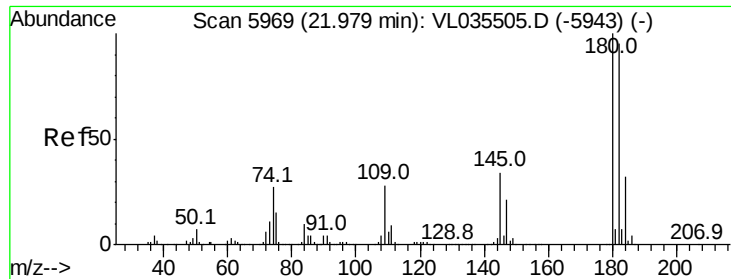
Tgt Ion:128 Resp: 4967858
Ion Ratio Lower Upper
128 100
127 13.5 11.4 17.2
129 12.3 10.5 15.7



#80
Naphthalene, 2-methyl-
Concen: 6.788 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion:142 Resp: 1620408
Ion Ratio Lower Upper
142 100
141 84.6 67.6 101.4
115 33.4 25.8 38.8

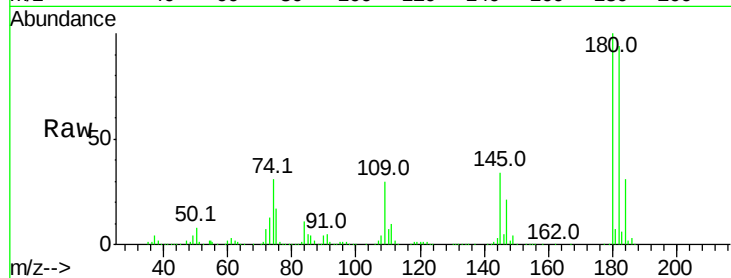




#81
 1,2,4-Trichlorobenzene
 Concen: 6.424 ppbv
 RT: 21.95 min Scan# 5959
 Delta R.T. -0.03 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 2690602
 Ion Ratio Lower Upper
 180 100
 182 95.7 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

