

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010220\
 Data File : VL034555.D
 Acq On : 2 Jan 2020 21:38
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Jan 03 01:12:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019
 QLast Update : Mon Dec 30 14:58:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1022794	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2013016	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2601967	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1744569	8.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.02	85	1223273	7.584	ppbv	98
3) Chlorodifluoromethane	2.95	51	1134415	9.309	ppbv	99
4) Chloromethane	3.11	50	604386	8.350	ppbv	94
5) Vinyl Chloride	3.22	62	601283	8.483	ppbv	100
6) Bromomethane	3.44	94	350691	9.939	ppbv	98
7) Chloroethane	3.53	64	224426	9.086	ppbv	97
8) Dichlorotetrafluoroethane	3.15	85	1456903	9.006	ppbv	98
9) Propene	2.97	41	416195	8.858	ppbv	99
10) Heptane	8.14	43	1163537	9.590	ppbv	100
11) Trichlorofluoromethane	3.93	101	1744975	9.349	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1167270	9.832	ppbv	97
13) Ethanol	3.58	45	118484	9.089	ppbv	97
14) Bromoethene	3.71	108	453582	9.446	ppbv	99
15) Acetone	3.83	43	1227875	8.226	ppbv	100
16) 1,3-Butadiene	3.29	39	541897	9.439	ppbv	99
17) tert-Butyl alcohol	4.27	59	1222839	10.231	ppbv	100
18) 1,1-Dichloroethene	4.27	96	501784	9.703	ppbv	98
19) Isopropyl Alcohol	3.95	45	983417	10.177	ppbv #	99
20) Methylene Chloride	4.33	84	454049	7.731	ppbv	99
21) Allyl Chloride	4.39	41	827491	9.645	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	505625	9.612	ppbv	95
23) Vinyl Acetate	5.07	43	1651952	9.586	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1247073	9.008	ppbv	98
25) Ethyl Acetate	5.67	43	2060797	8.841	ppbv	99
26) Hexane	5.68	57	905851	9.222	ppbv	96
27) Carbon Disulfide	4.53	76	1269857	10.228	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1533597	9.348	ppbv	99
29) Chloroform	5.75	83	1549341	9.116	ppbv	97
30) Cyclohexane	7.14	84	706539	9.677	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	962083	9.612	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	1593702	9.034	ppbv	99
34) 2-Butanone	5.24	43	1348931	9.377	ppbv	99
35) Carbon Tetrachloride	7.03	117	1749976	9.586	ppbv	95
36) Benzene	6.90	78	1693675	9.652	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1371671	9.626	ppbv	99
38) Trichloroethene	7.86	130	702093	9.905	ppbv	96
39) 1,2-Dichloropropane	7.63	63	691506	9.584	ppbv	96
40) 1,4-Dioxane	7.84	88	295913	10.133	ppbv #	97
41) Tetrahydrofuran	6.05	42	743298	10.073	ppbv	99
42) Bromodichloromethane	7.82	83	1714231	9.777	ppbv	96
43) Methyl Methacrylate	8.03	69	720495	10.066	ppbv	99

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3097239	9.542	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	973212	10.555	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1081671	10.262	ppbv	98
47) 1,1,2-Trichloroethane	9.51	97	755814	9.502	ppbv	97
48) Dibromochloromethane	10.34	129	1445430	10.483	ppbv	99
49) Bromoform	13.09	173	1287354	10.313	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2078440	9.953	ppbv	99
51) 2-Hexanone	10.16	43	1694511	10.052	ppbv #	100
52) Tetrachloroethene	11.27	164	649792	9.489	ppbv	94
53) Toluene	9.84	91	1986427	10.304	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1202903	10.392	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.17	131	995154	7.923	ppbv	97
57) Chlorobenzene	12.19	112	1584585	7.382	ppbv	100
58) Ethyl Benzene	12.75	91	2793019	7.959	ppbv	96
59) m/p-Xylene	13.04	91	1855183	6.046	ppbv #	32
60) o-Xylene	13.74	91	2436764	7.914	ppbv	98
61) Styrene	13.58	104	1689094	8.023	ppbv	100
62) Isopropylbenzene	14.72	105	3162309	7.851	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1755985	7.109	ppbv	99
64) n-propylbenzene	15.61	120	823157	8.004	ppbv	96
65) tert-Butylbenzene	16.80	119	2943793	8.090	ppbv	100
66) Benzyl Chloride	17.05	91	1380526	8.656	ppbv	99
67) sec-Butylbenzene	17.35	105	4028162	7.883	ppbv	99
69) p-Isopropyltoluene	17.71	119	3396409	8.195	ppbv	100
70) n-Butylbenzene	18.61	91	3591289	8.030	ppbv	99
71) 2-Chlorotoluene	15.51	91	2513208	8.035	ppbv	99
72) 4-Ethyltoluene	15.89	105	2748353	7.976	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2680360	7.929	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	2846205	7.871	ppbv	96
75) 1,3-Dichlorobenzene	17.06	146	1590229	7.342	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	1580200	7.578	ppbv	100
77) 1,2-Dichlorobenzene	17.88	146	1557369	7.651	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1287360	6.663	ppbv	100
79) Naphthalene	22.28	128	2271517	8.340	ppbv	98
80) Naphthalene,2-methyl-	25.03	142	606295	8.035	ppbv #	93
81) 1,2,4-Trichlorobenzene	22.01	180	1329792	7.498	ppbv	99

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

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Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

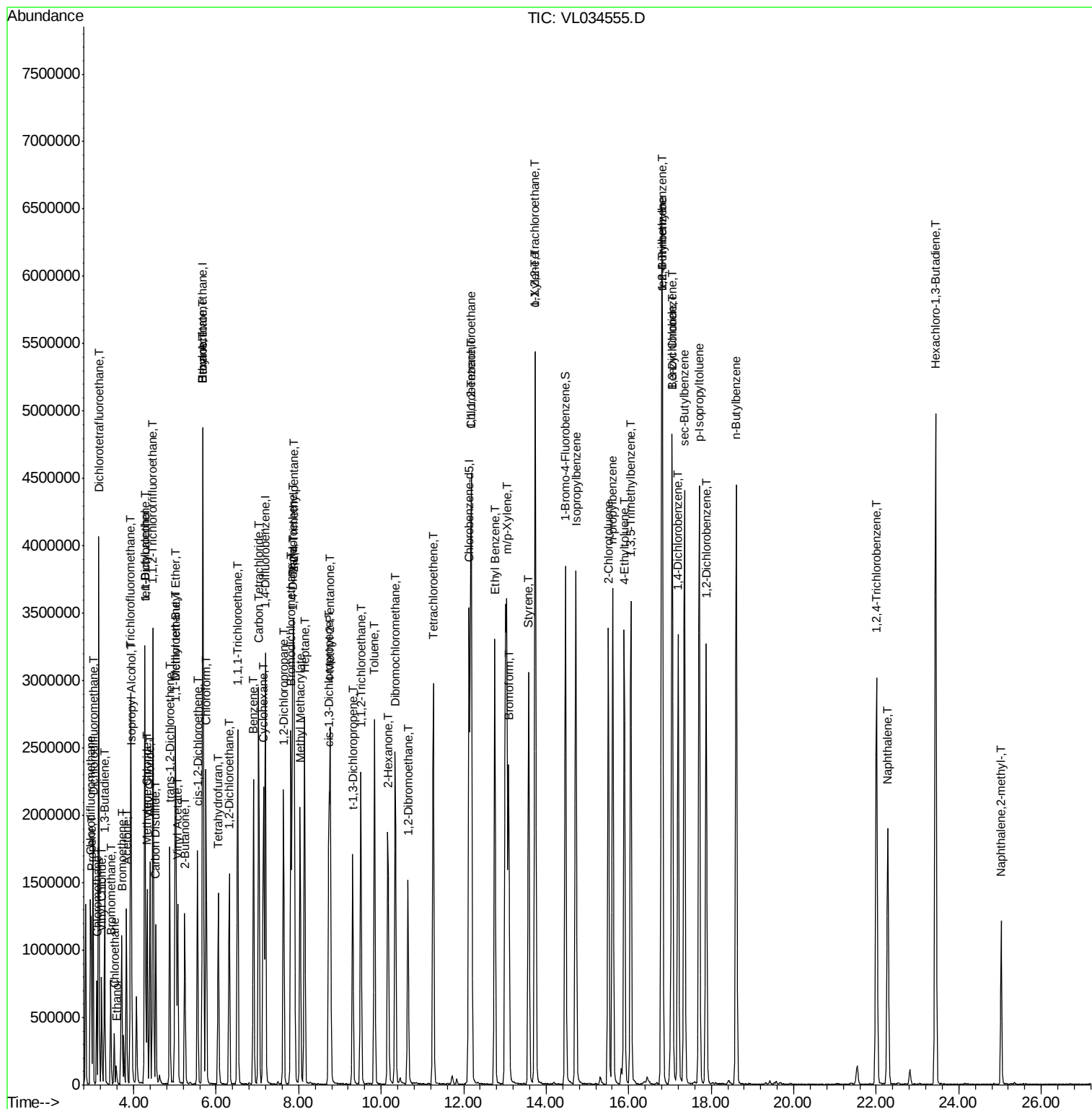
Quant Time: Jan 03 01:12:03 2020

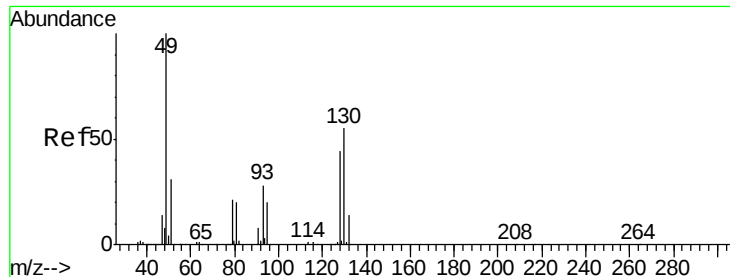
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019

QLast Update : Mon Dec 30 14:58:50 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

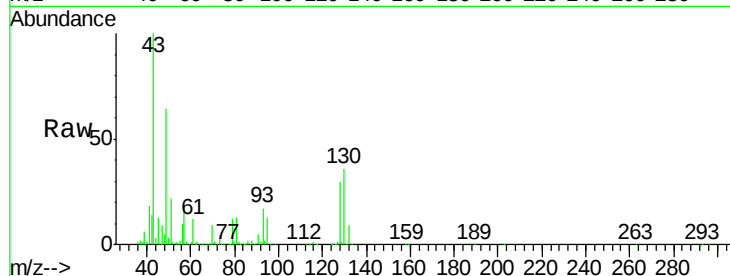
MSVOA_L

ClientSampleId :

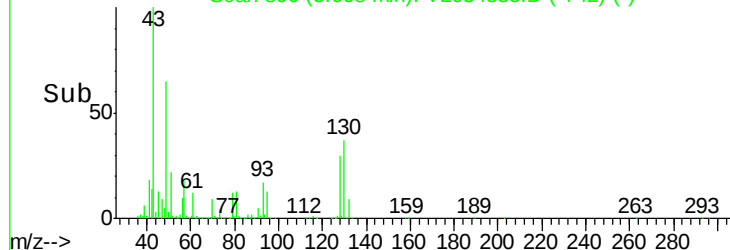
VSTDCCC010EC

Tgt Ion: 49 Resp: 1022794

Ion	Ratio	Lower	Upper
49	100		
128	44.2	22.4	67.2
130	56.4	28.3	85.0



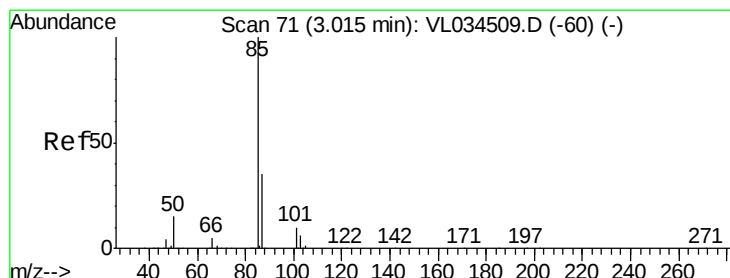
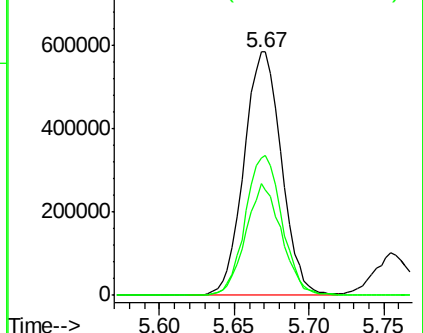
Scan 896 (5.668 min): VL034555.D (-742) (-)



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: 7.584 ppbv

RT: 3.02 min Scan# 71

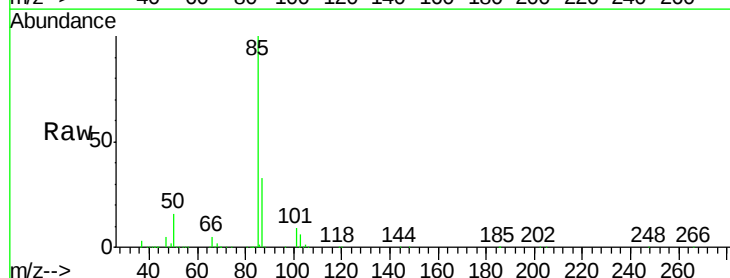
Delta R.T. 0.00 min

Lab File: VL034555.D

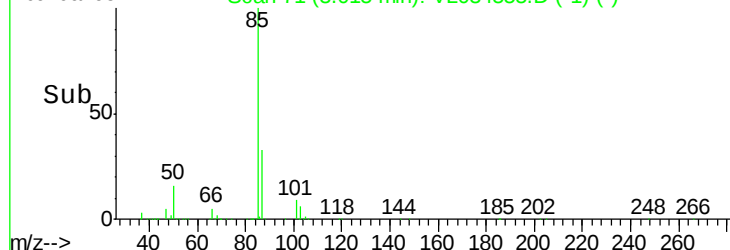
Acq: 2 Jan 2020 21:38

Tgt Ion: 85 Resp: 1223273

Ion	Ratio	Lower	Upper
85	100		
87	33.5	27.9	41.9

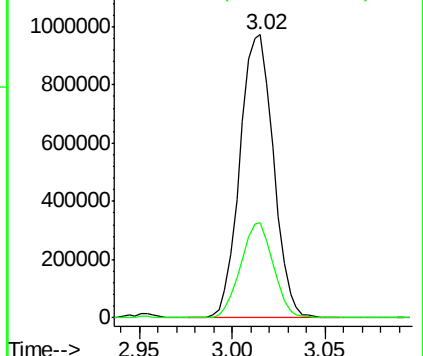


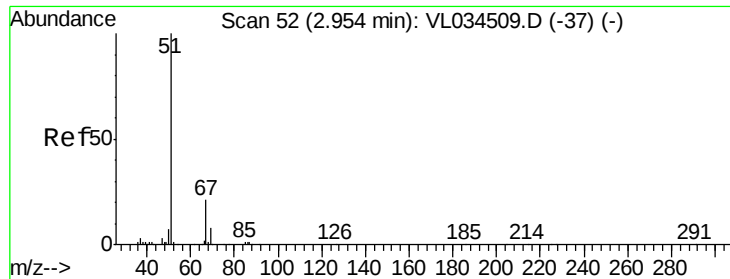
Scan 71 (3.015 min): VL034555.D (-1) (-)



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.309 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

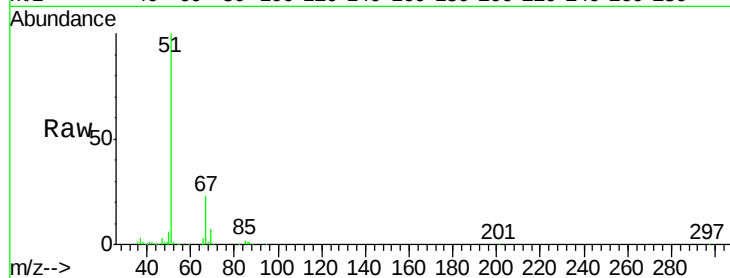
VSTDCCC010EC

Tgt Ion: 51 Resp: 1134415

Ion Ratio Lower Upper

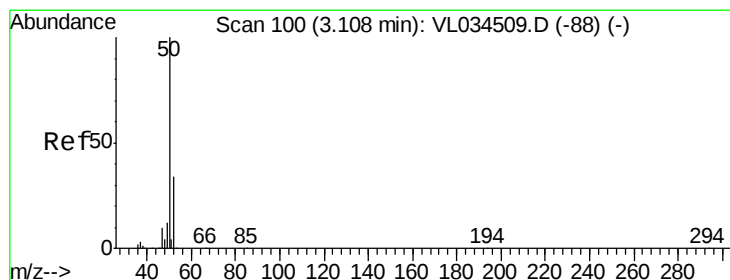
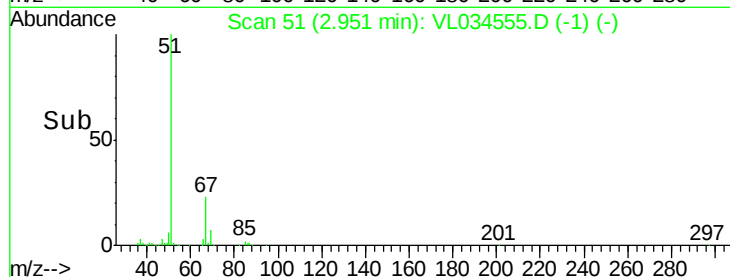
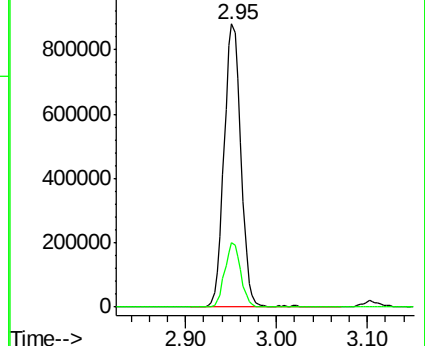
51 100

67 21.5 16.8 25.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.350 ppbv

RT: 3.11 min Scan# 99

Delta R.T. -0.00 min

Lab File: VL034555.D

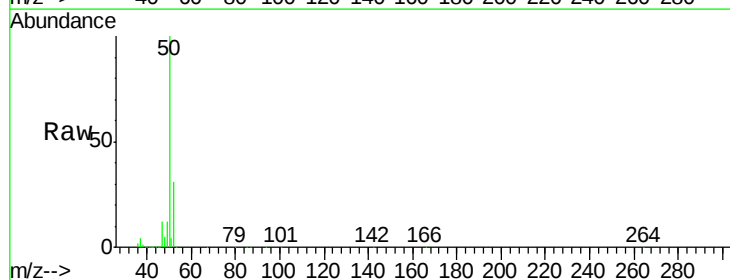
Acq: 2 Jan 2020 21:38

Tgt Ion: 50 Resp: 604386

Ion Ratio Lower Upper

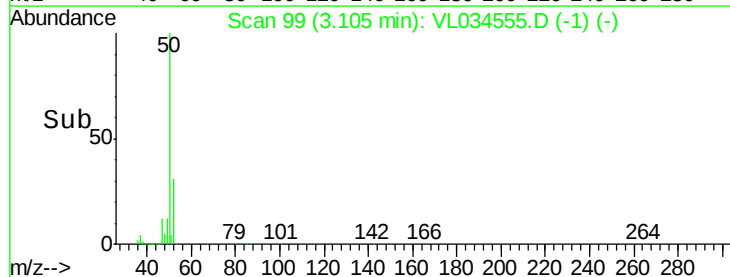
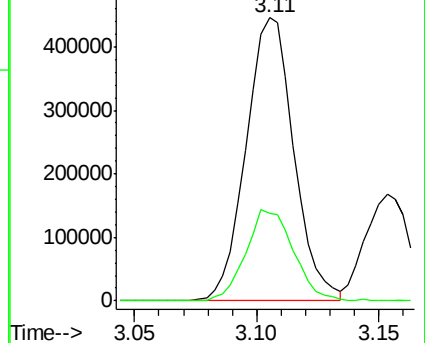
50 100

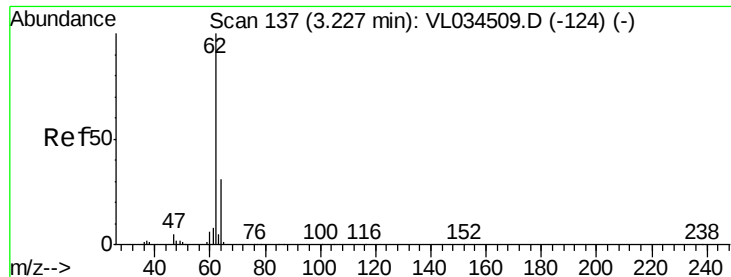
52 31.0 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.483 ppbv

RT: 3.22 min Scan# 136

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

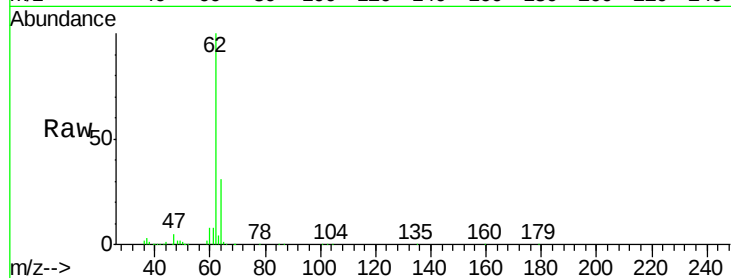
VSTDCCC010EC

Tgt Ion: 62 Resp: 601283

Ion Ratio Lower Upper

62 100

64 31.3 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

500000

400000

300000

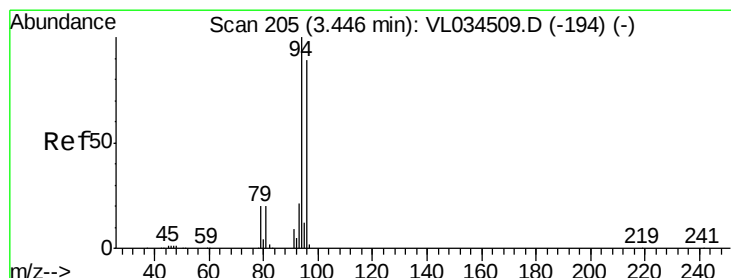
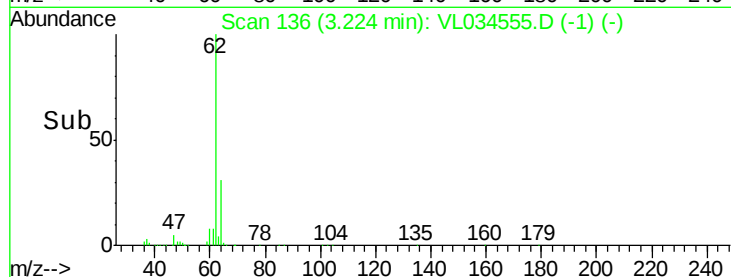
200000

100000

0

Time-->

3.15 3.20 3.25 3.30



#6

Bromomethane

Concen: 9.939 ppbv

RT: 3.44 min Scan# 204

Delta R.T. -0.00 min

Lab File: VL034555.D

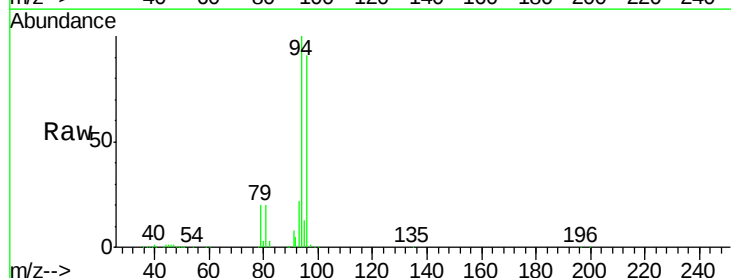
Acq: 2 Jan 2020 21:38

Tgt Ion: 94 Resp: 350691

Ion Ratio Lower Upper

94 100

96 91.3 71.2 106.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

300000

250000

200000

150000

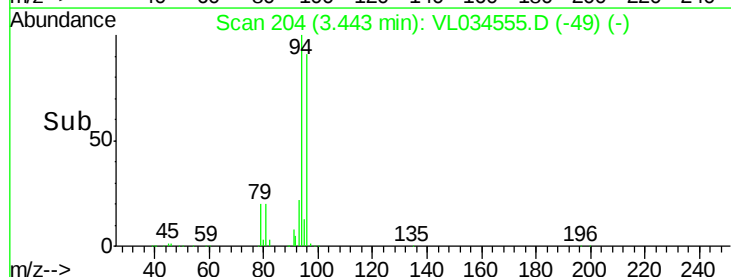
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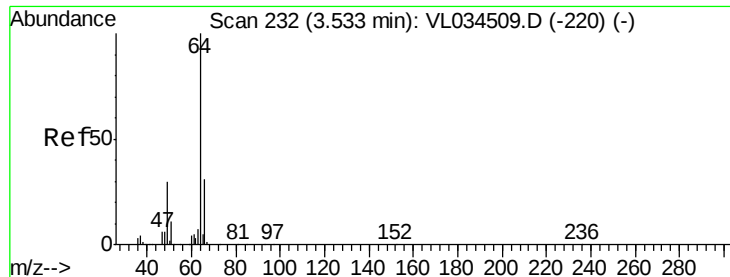
50000

0

Time-->

3.40 3.45 3.50





#7

Chloroethane

Concen: 9.086 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

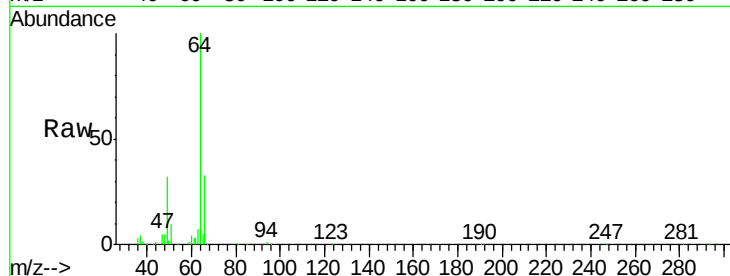
VSTDCCC010EC

Tgt Ion: 64 Resp: 224426

Ion Ratio Lower Upper

64 100

66 32.9 25.0 37.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

200000

150000

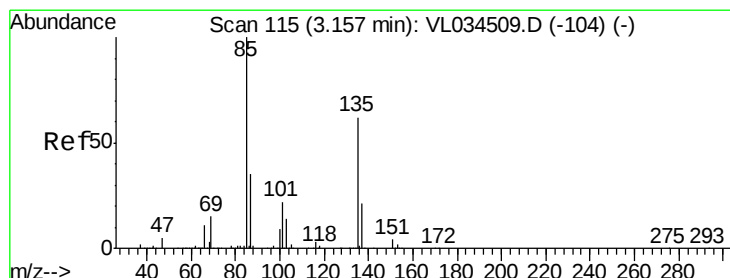
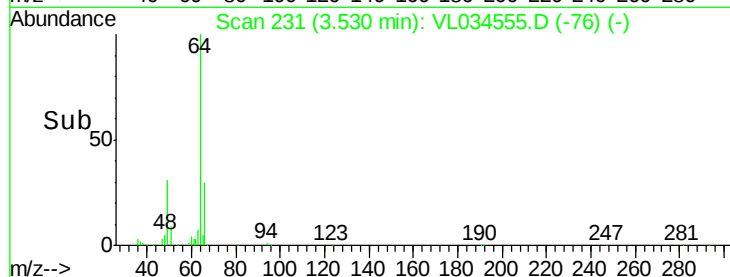
100000

50000

0

3.50 3.55

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.006 ppbv

RT: 3.15 min Scan# 114

Delta R.T. -0.00 min

Lab File: VL034555.D

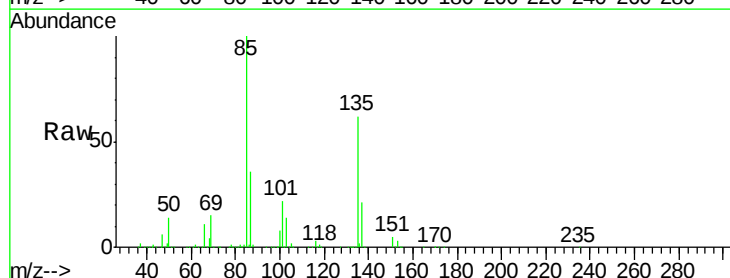
Acq: 2 Jan 2020 21:38

Tgt Ion: 85 Resp: 1456903

Ion Ratio Lower Upper

85 100

135 62.9 51.8 77.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

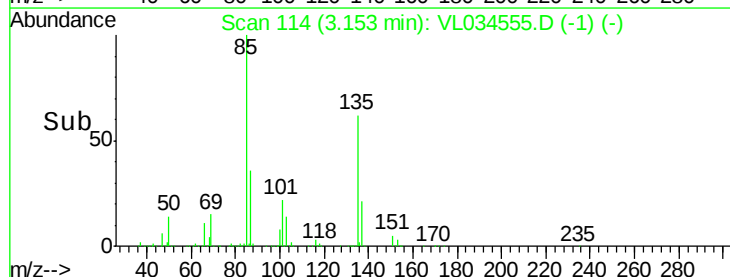
1000000

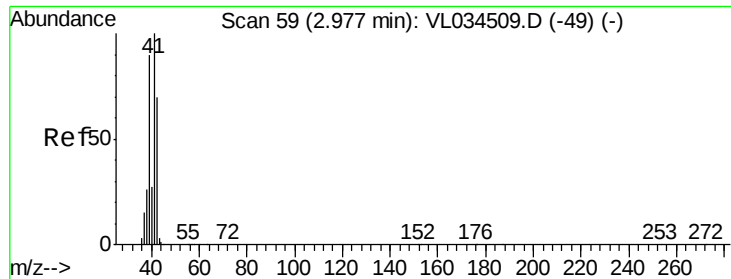
500000

0

3.10 3.15 3.20

Time-->





#9

Propene

Concen: 8.858 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

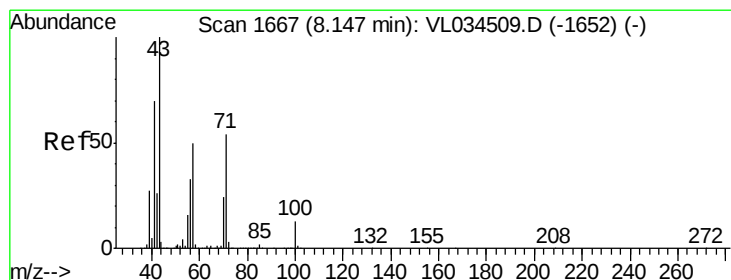
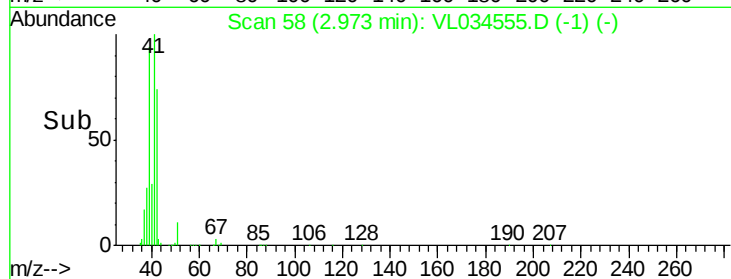
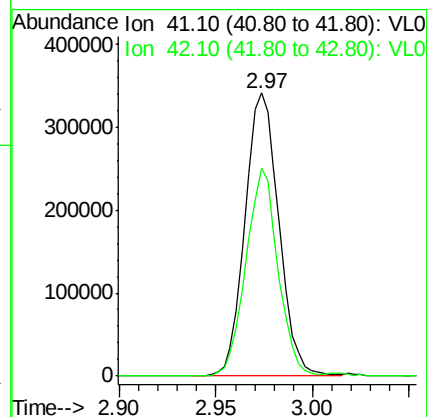
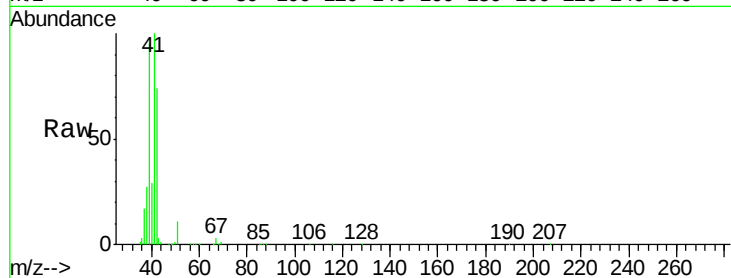
VSTDCCC010EC

Tgt Ion: 41 Resp: 416195

Ion Ratio Lower Upper

41 100

42 70.6 55.8 83.6



#10

Heptane

Concen: 9.590 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.01 min

Lab File: VL034555.D

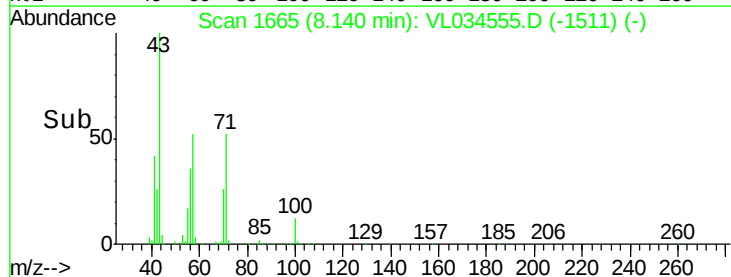
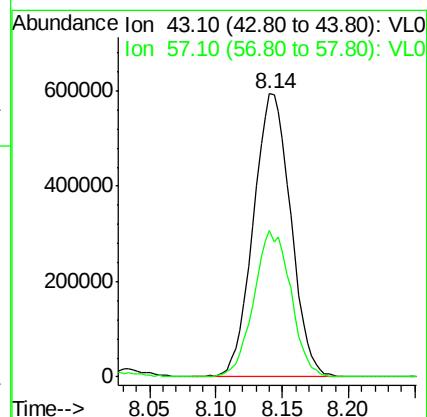
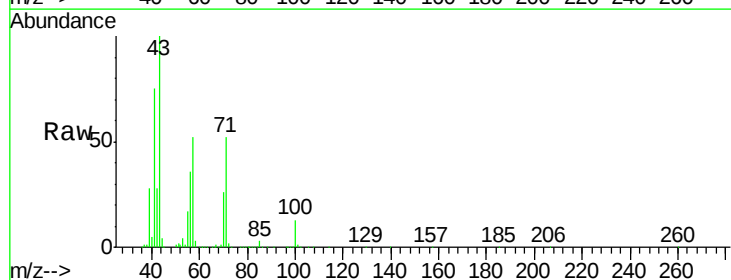
Acq: 2 Jan 2020 21:38

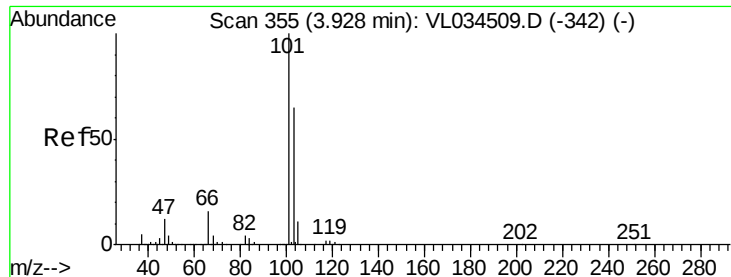
Tgt Ion: 43 Resp: 1163537

Ion Ratio Lower Upper

43 100

57 51.0 41.0 61.6





#11

Trichlorofluoromethane

Concen: 9.349 ppbv

RT: 3.93 min Scan# 354

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

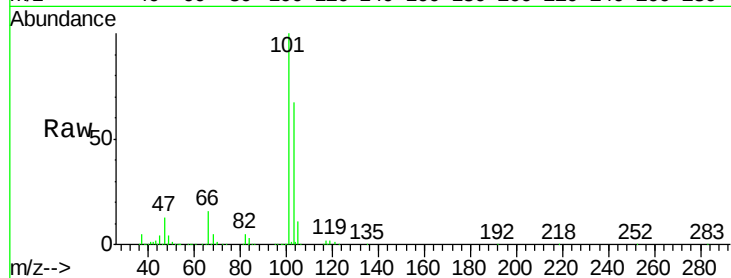
VSTDCCC010EC

Tgt Ion:101 Resp: 1744975

Ion Ratio Lower Upper

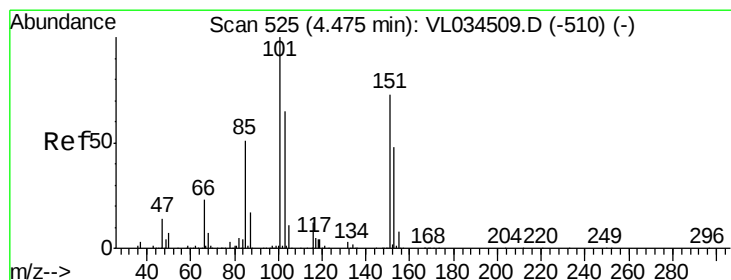
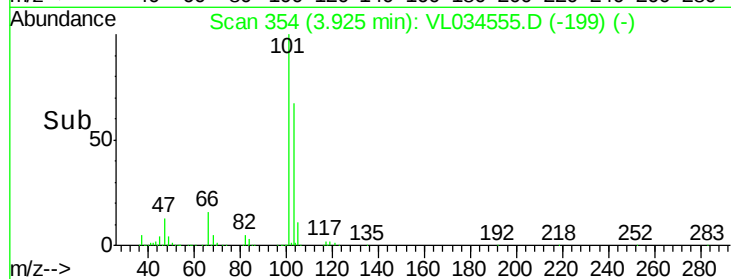
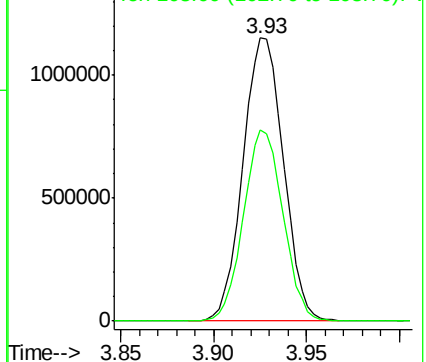
101 100

103 67.4 52.1 78.1



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: 9.832 ppbv

RT: 4.47 min Scan# 523

Delta R.T. -0.01 min

Lab File: VL034555.D

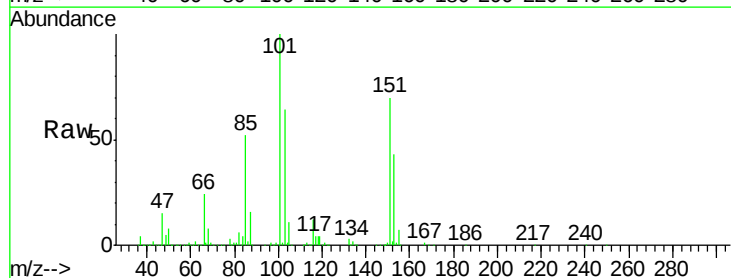
Acq: 2 Jan 2020 21:38

Tgt Ion:101 Resp: 1167270

Ion Ratio Lower Upper

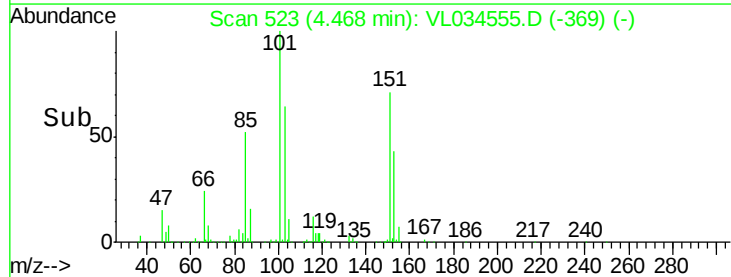
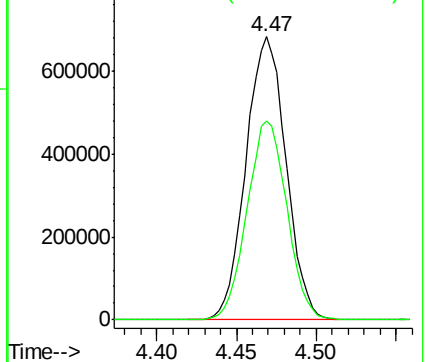
101 100

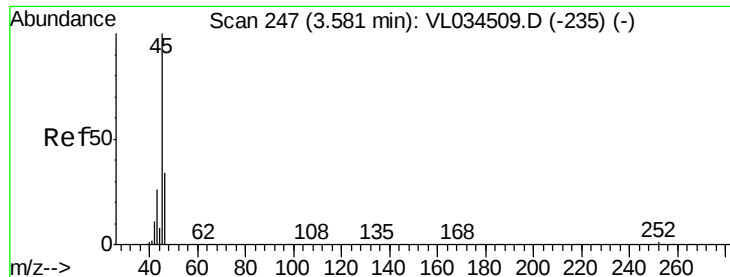
151 70.1 57.8 86.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.089 ppbv

RT: 3.58 min Scan# 246

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

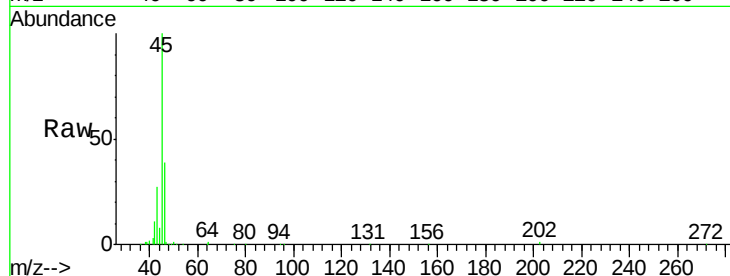
VSTDCCC010EC

Tgt Ion: 45 Resp: 118484

Ion Ratio Lower Upper

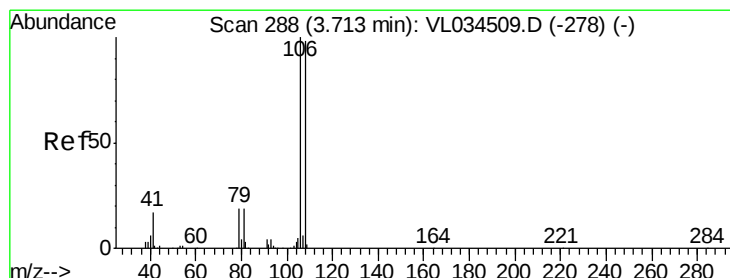
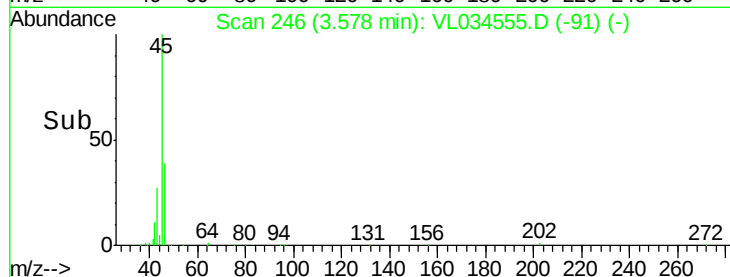
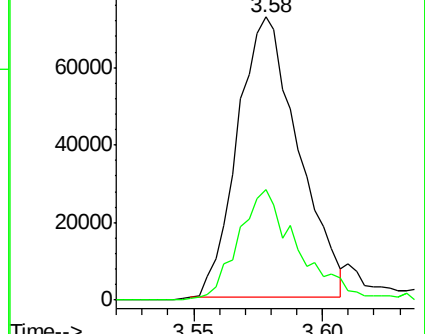
45 100

46 39.3 14.9 59.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.446 ppbv

RT: 3.71 min Scan# 288

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

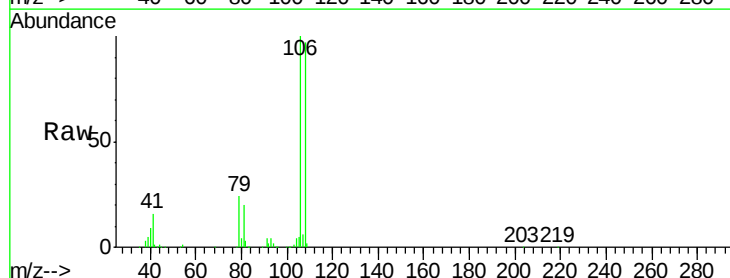
Tgt Ion: 108 Resp: 453582

Ion Ratio Lower Upper

108 100

106 106.7 85.2 127.8

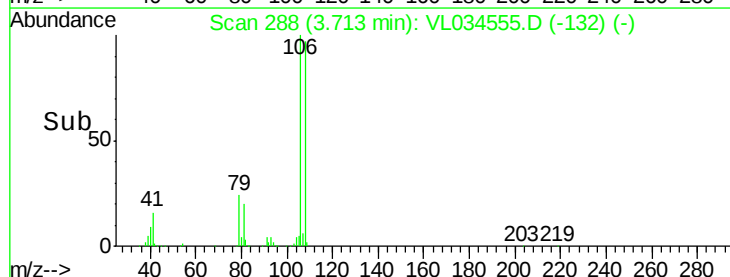
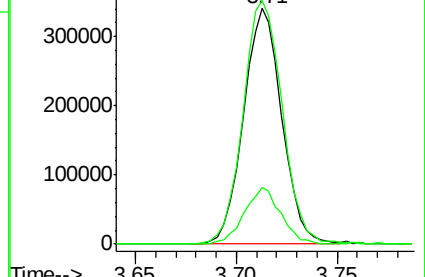
79 23.1 17.4 26.2

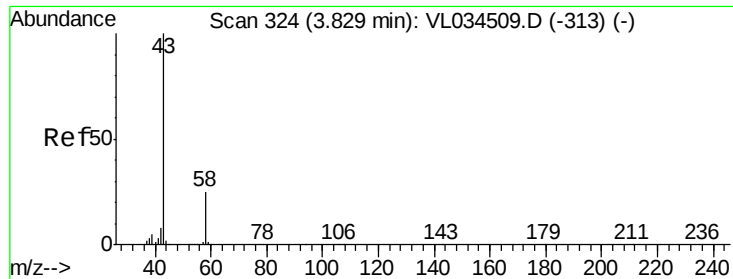


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.226 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

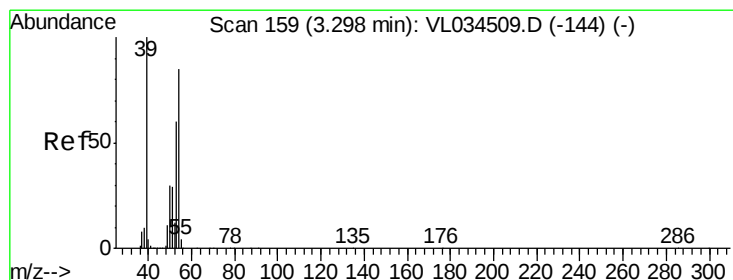
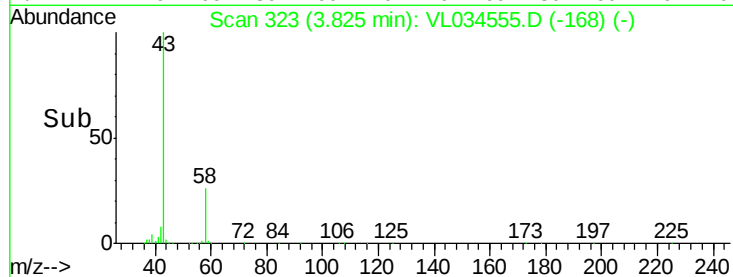
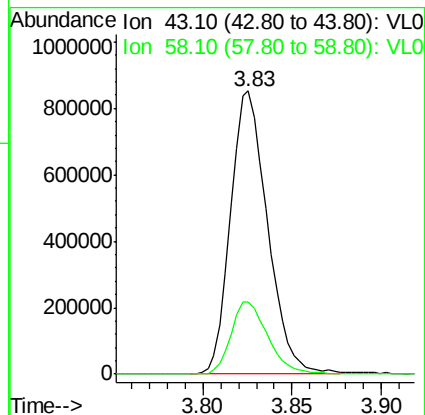
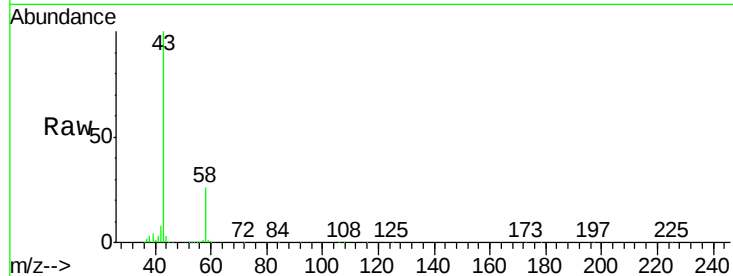
VSTDCCC010EC

Tgt Ion: 43 Resp: 1227875

Ion Ratio Lower Upper

43 100

58 25.7 20.4 30.6



#16

1,3-Butadiene

Concen: 9.439 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.00 min

Lab File: VL034555.D

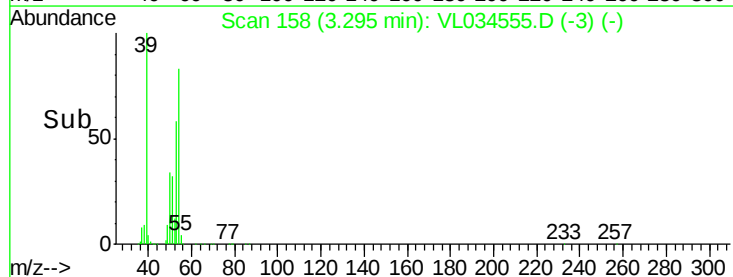
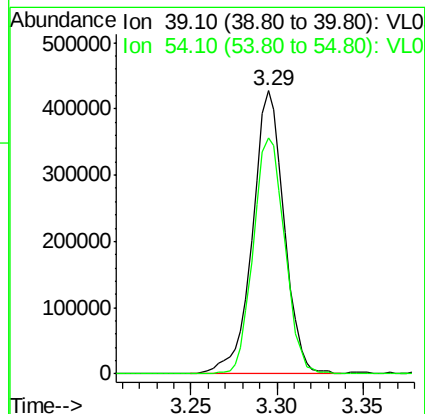
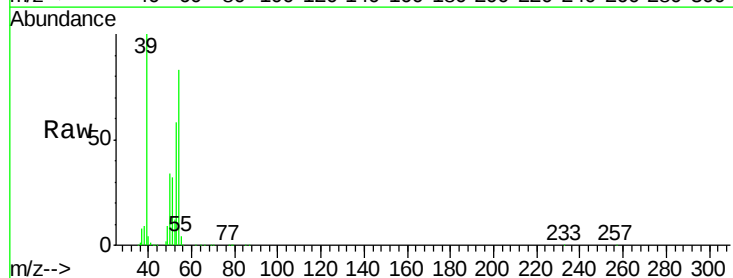
Acq: 2 Jan 2020 21:38

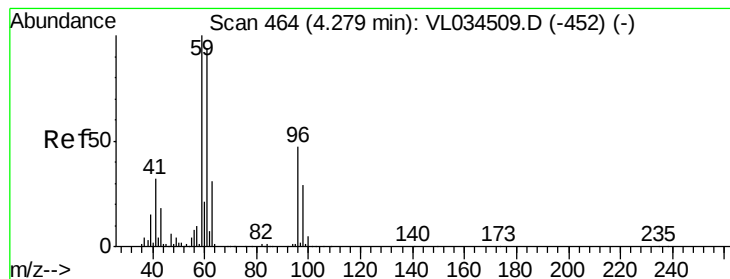
Tgt Ion: 39 Resp: 541897

Ion Ratio Lower Upper

39 100

54 83.6 66.2 99.2





#17

tert-Butyl alcohol

Concen: 10.231 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

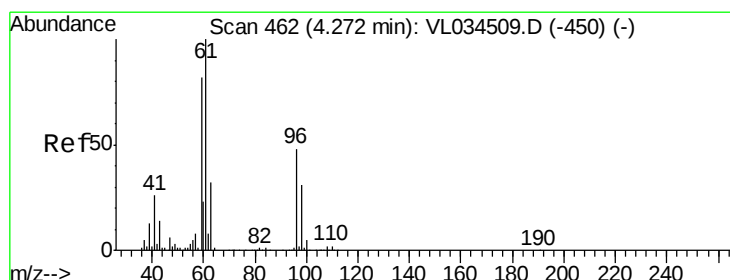
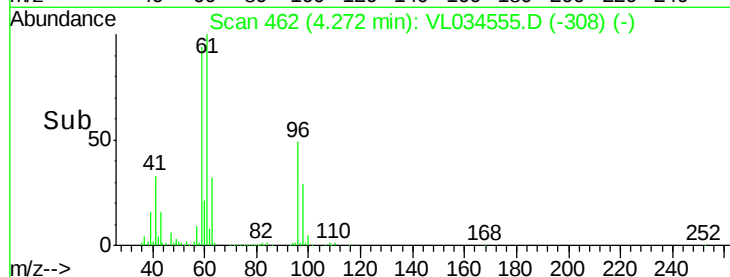
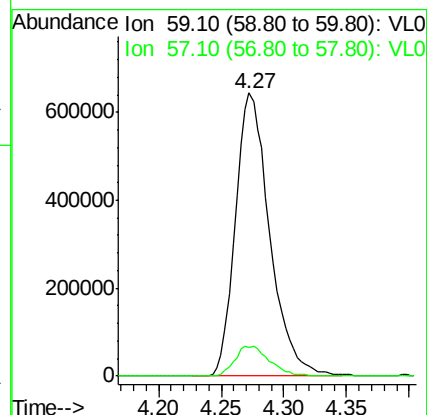
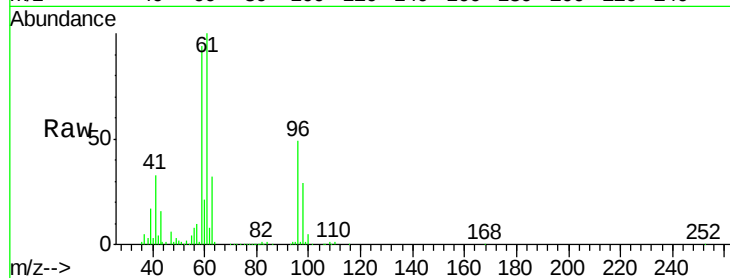
VSTDCCC010EC

Tgt Ion: 59 Resp: 1222839

Ion Ratio Lower Upper

59 100

57 10.8 8.6 12.8



#18

1,1-Dichloroethene

Concen: 9.703 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

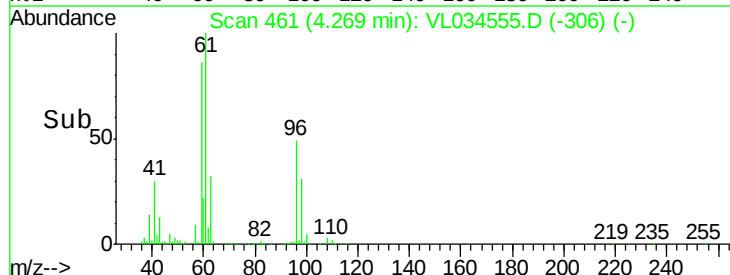
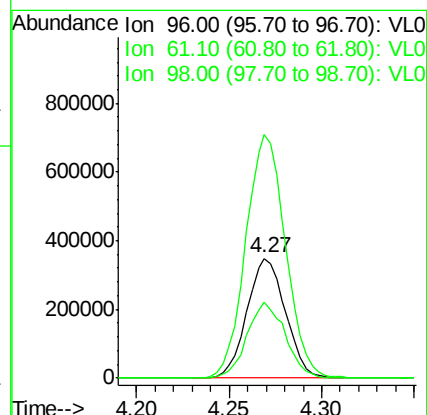
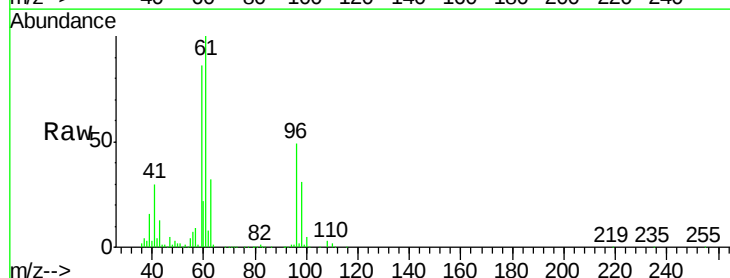
Tgt Ion: 96 Resp: 501784

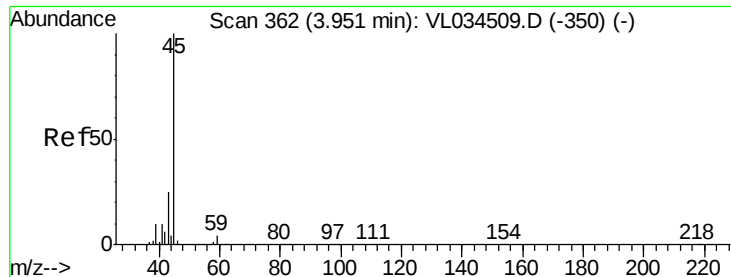
Ion Ratio Lower Upper

96 100

61 203.5 165.9 248.9

98 63.0 51.9 77.9



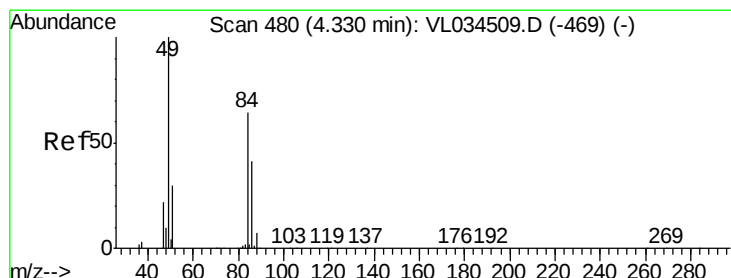
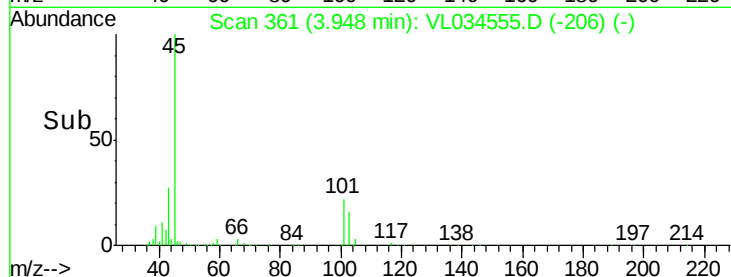
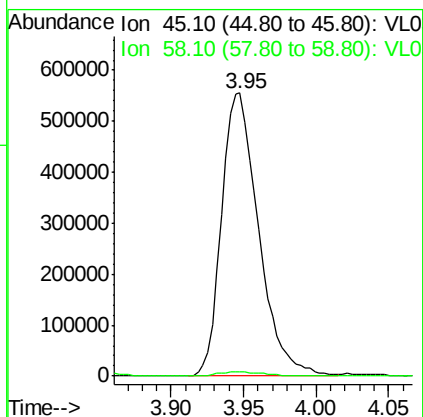
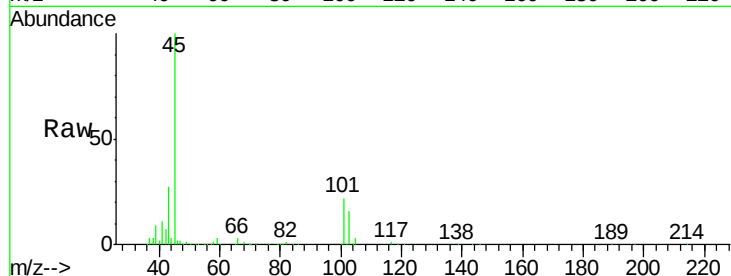


#19

Isopropyl Alcohol
 Concen: 10.177 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.00 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

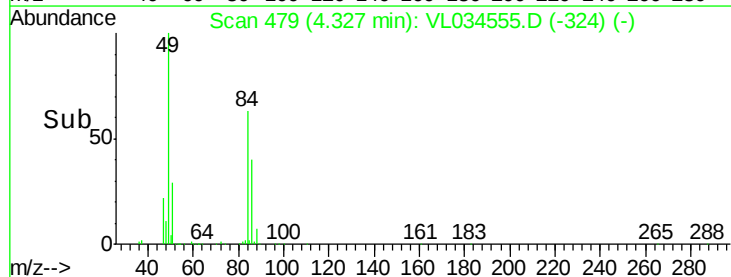
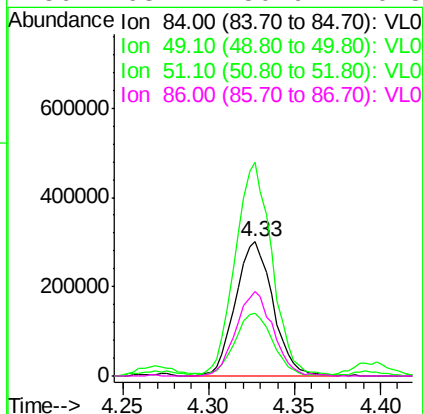
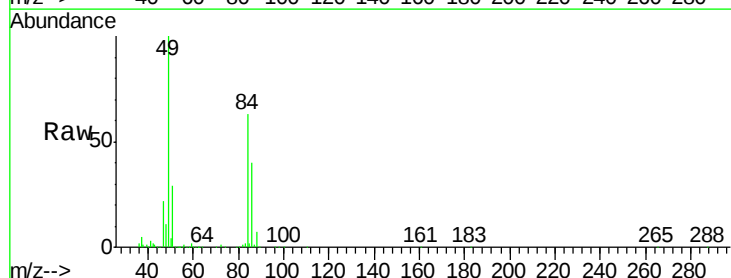
Tgt Ion: 45 Resp: 983417
 Ion Ratio Lower Upper
 45 100
 58 2.2 1.4 2.0#

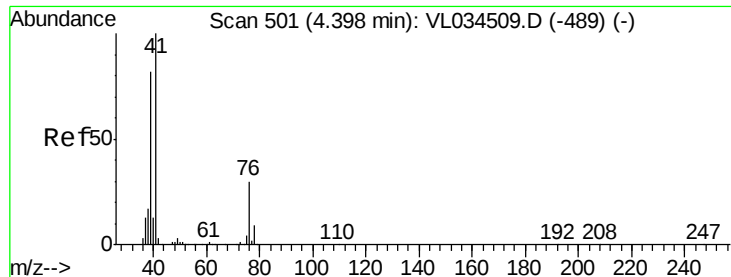


#20

Methylene Chloride
 Concen: 7.731 ppbv
 RT: 4.33 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Tgt Ion: 84 Resp: 454049
 Ion Ratio Lower Upper
 84 100
 49 157.6 124.4 186.6
 51 46.0 37.0 55.6
 86 63.1 50.9 76.3





#21

Allyl Chloride

Concen: 9.645 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

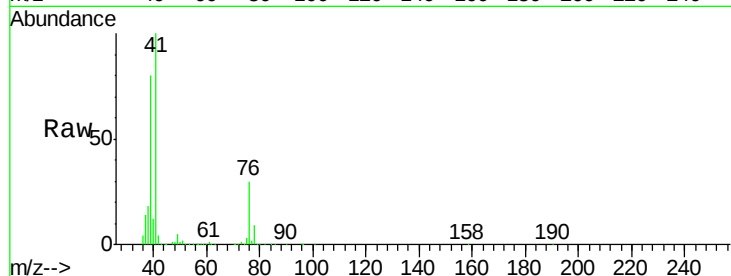
Tgt Ion: 41 Resp: 827491

Ion Ratio Lower Upper

41 100

76 29.7 24.2 36.4

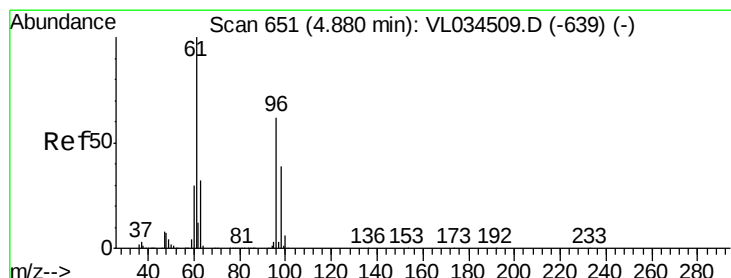
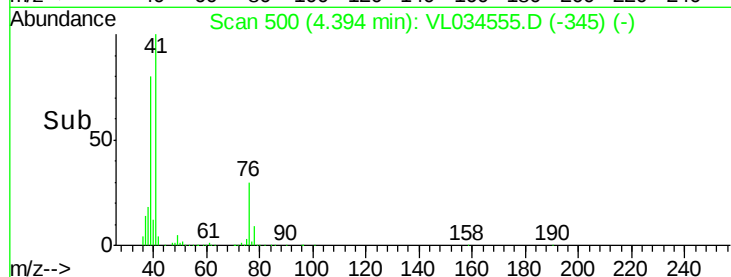
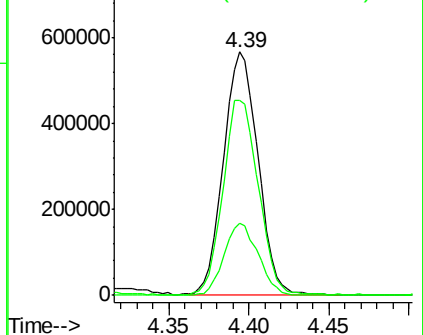
39 83.2 65.8 98.6



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: 9.612 ppbv

RT: 4.87 min Scan# 649

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

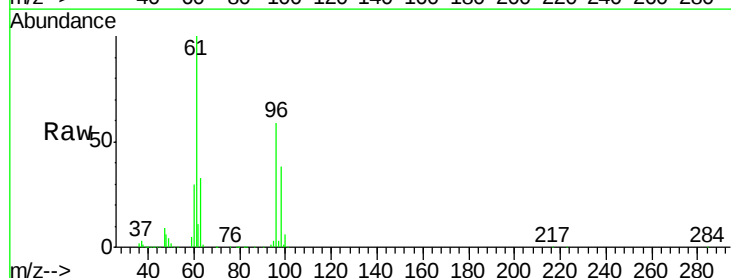
Tgt Ion: 96 Resp: 505625

Ion Ratio Lower Upper

96 100

61 168.9 128.4 192.6

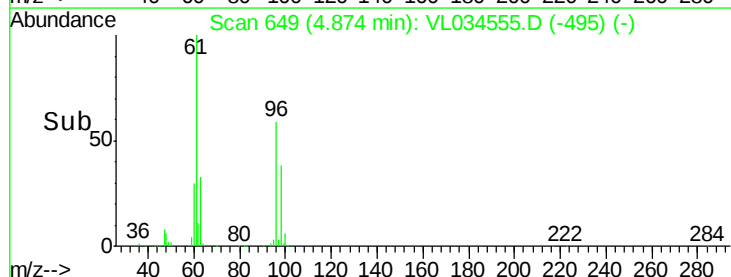
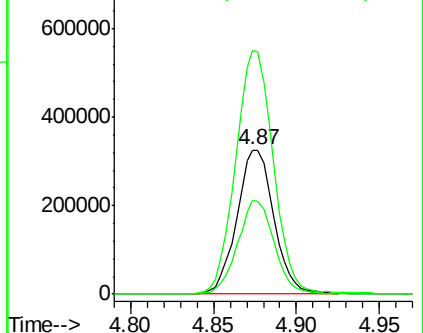
98 64.8 50.6 75.8

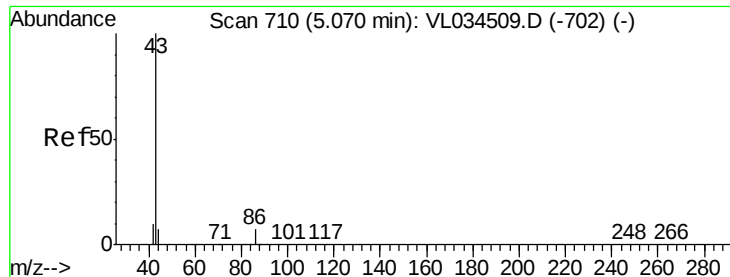


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.586 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1651952

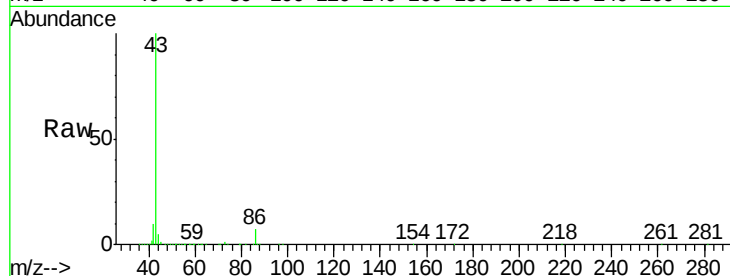
Ion Ratio Lower Upper

43 100

86 7.2 5.4 8.2

42 10.3 8.9 13.3

44 5.2 5.0 7.4

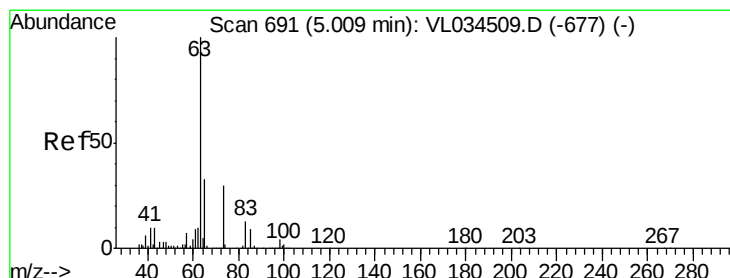
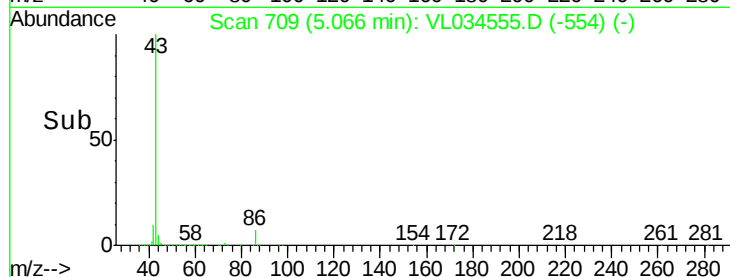
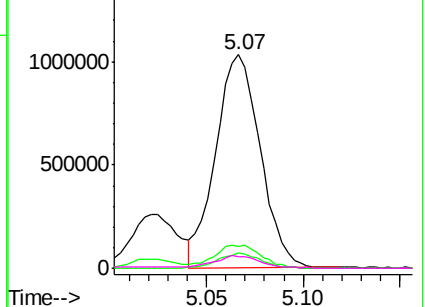


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.008 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

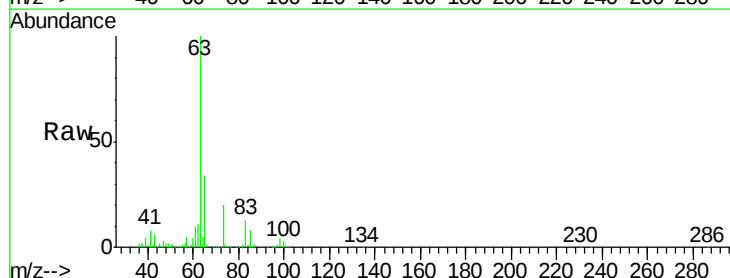
Tgt Ion: 63 Resp: 1247073

Ion Ratio Lower Upper

63 100

98 3.5 2.1 6.3

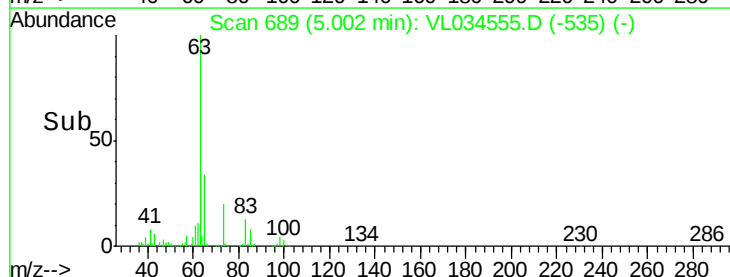
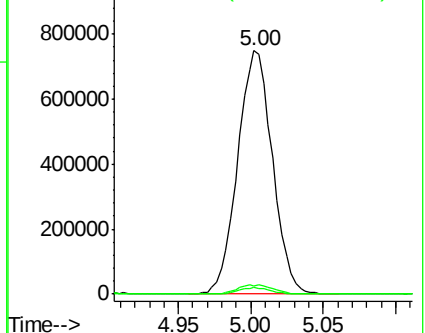
100 2.7 1.1 3.3

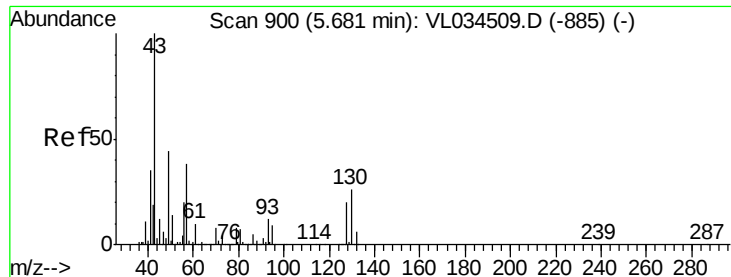


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.841 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2060797

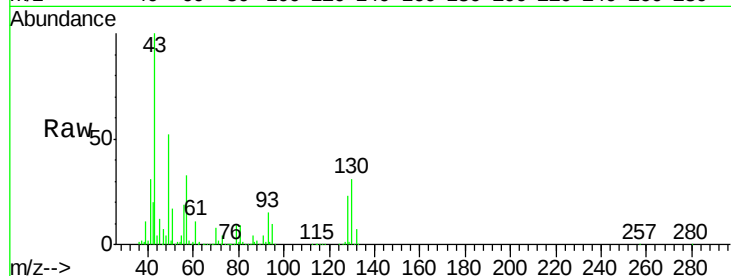
Ion Ratio Lower Upper

43 100

45 10.1 8.3 12.5

61 9.8 7.8 11.6

70 7.1 5.8 8.8

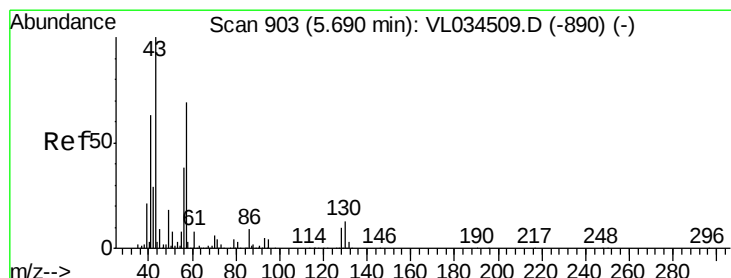
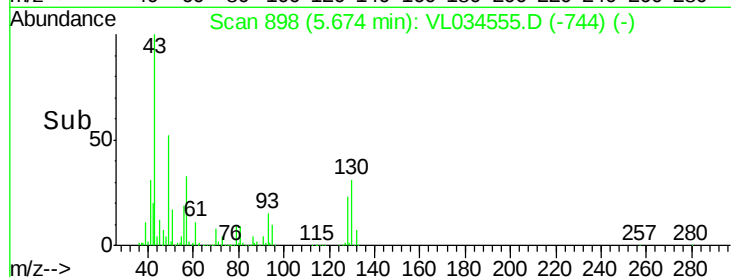
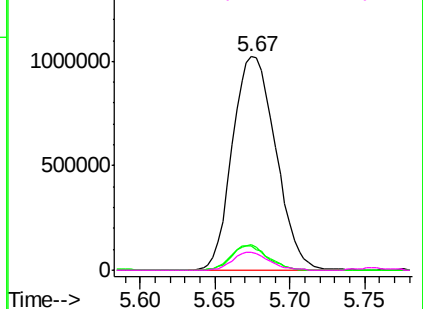


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.222 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Tgt Ion: 57 Resp: 905851

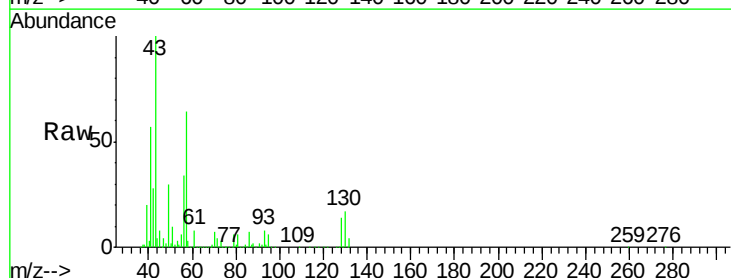
Ion Ratio Lower Upper

57 100

41 96.5 75.3 112.9

43 228.1 189.4 284.2

56 54.2 42.8 64.2

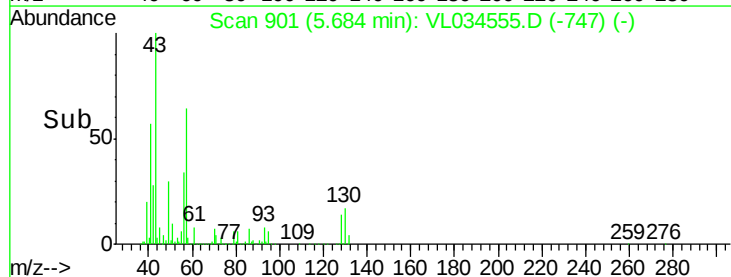
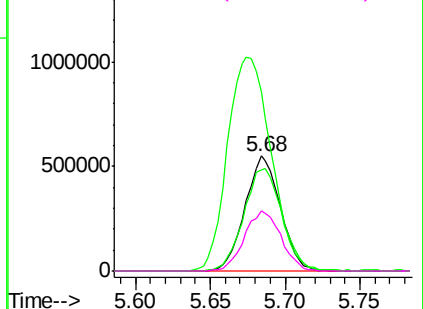


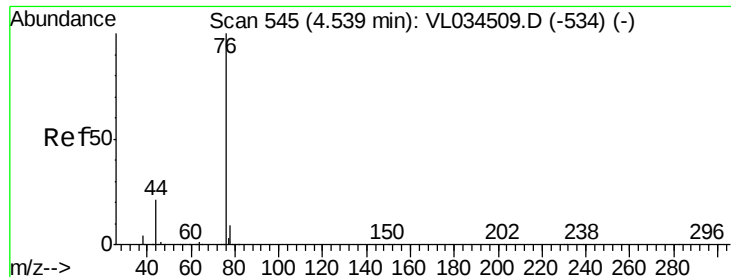
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.228 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

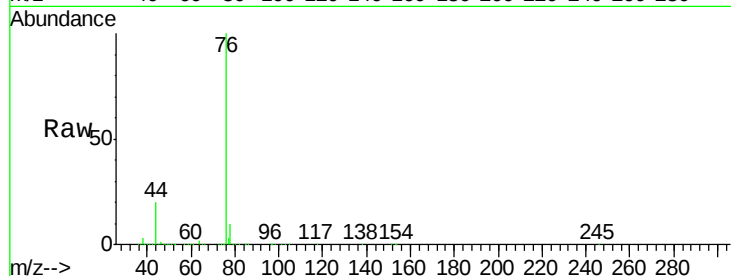
Tgt Ion: 76 Resp: 1269857

Ion Ratio Lower Upper

76 100

44 20.5 16.6 25.0

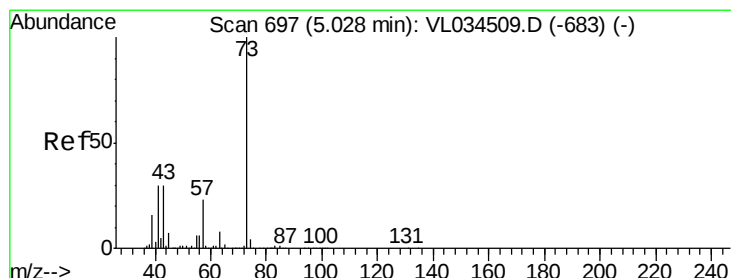
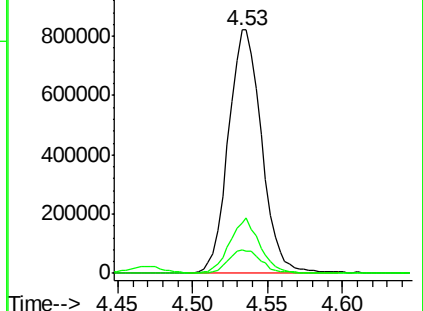
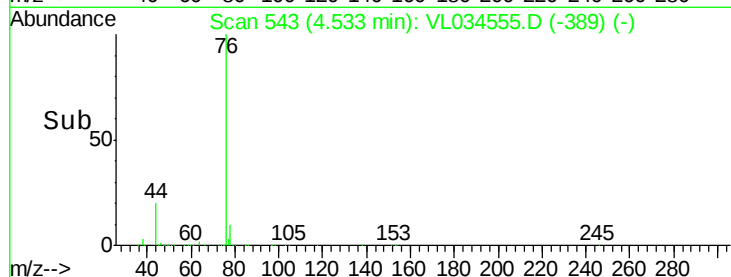
78 9.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.348 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.01 min

Lab File: VL034555.D

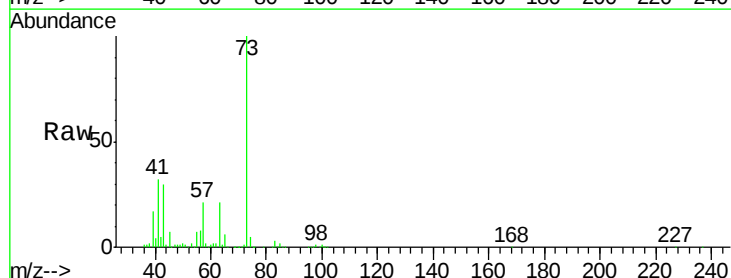
Acq: 2 Jan 2020 21:38

Tgt Ion: 73 Resp: 1533597

Ion Ratio Lower Upper

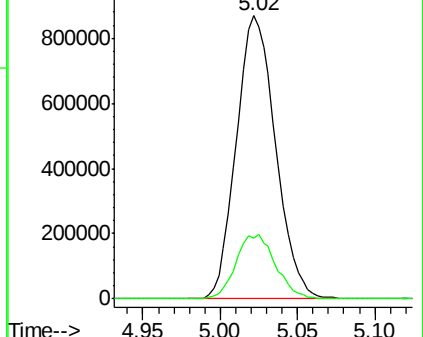
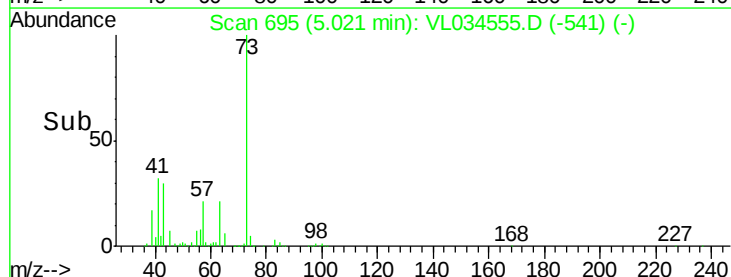
73 100

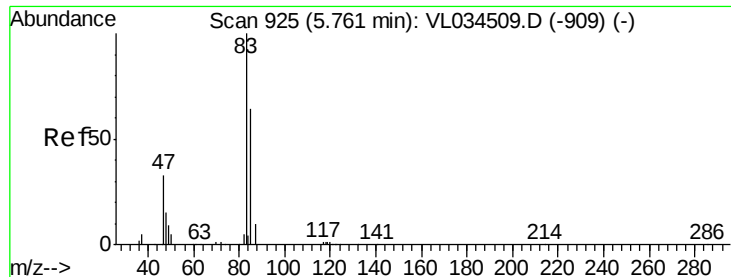
57 23.1 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.116 ppbv

RT: 5.75 min Scan# 923

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

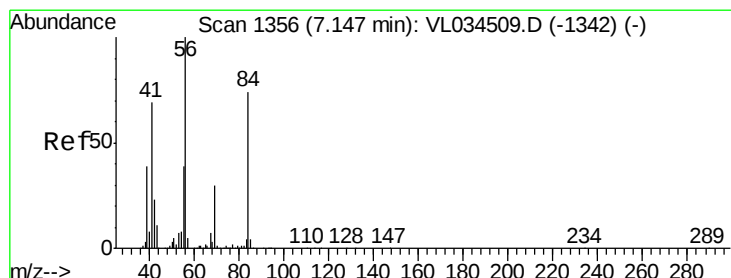
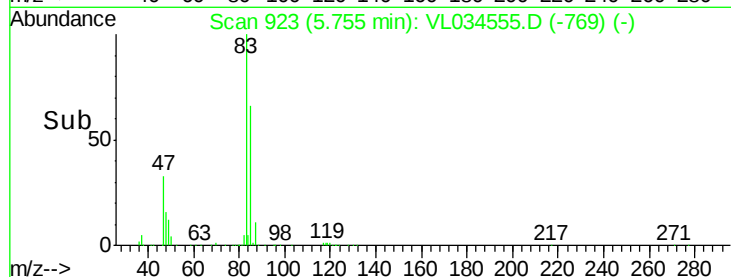
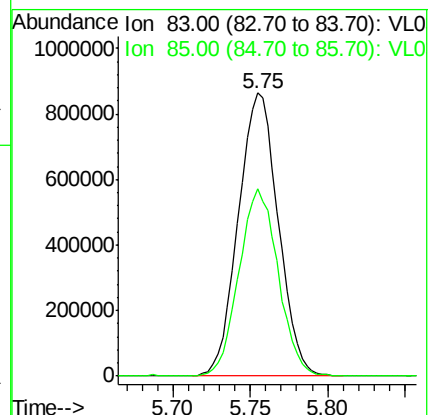
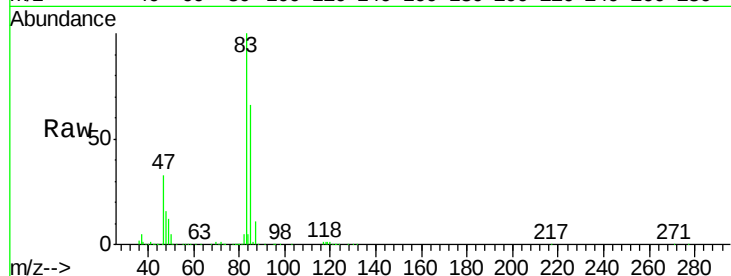
VSTDCCC010EC

Tgt Ion: 83 Resp: 1549341

Ion Ratio Lower Upper

83 100

85 65.9 51.0 76.6



#30

Cyclohexane

Concen: 9.677 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

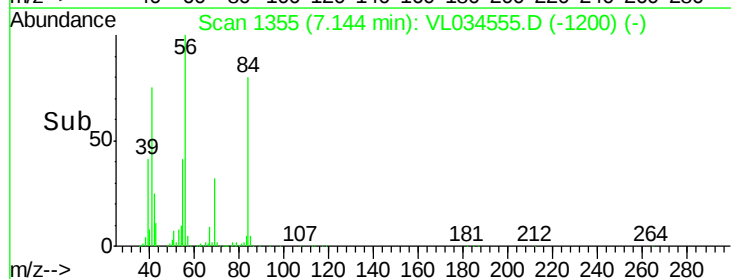
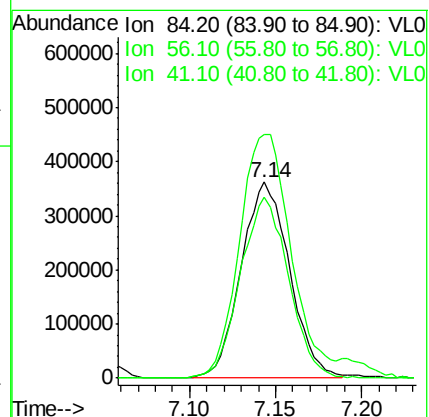
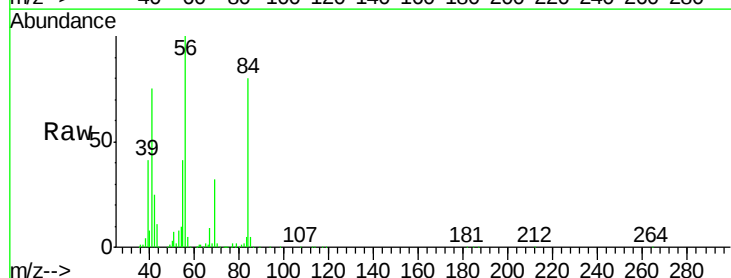
Tgt Ion: 84 Resp: 706539

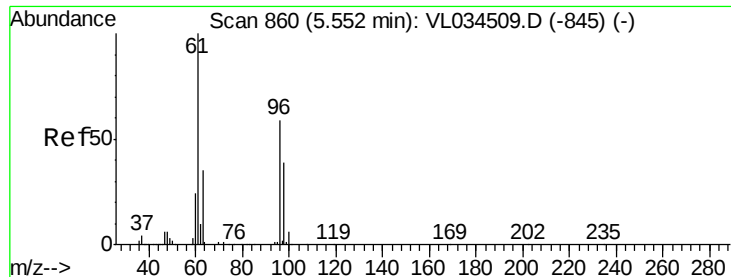
Ion Ratio Lower Upper

84 100

56 139.7 112.7 169.1

41 92.5 73.0 109.4





#31

cis-1,2-Dichloroethene

Concen: 9.612 ppbv

RT: 5.55 min Scan# 859

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

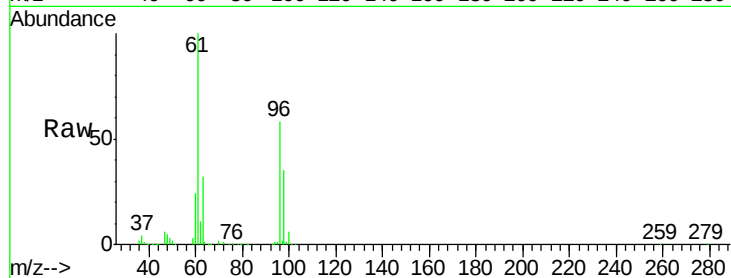
Tgt Ion: 61 Resp: 962083

Ion Ratio Lower Upper

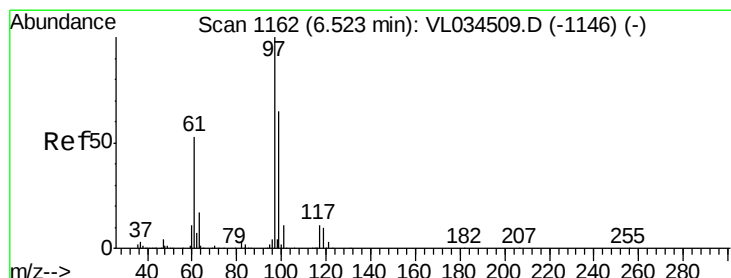
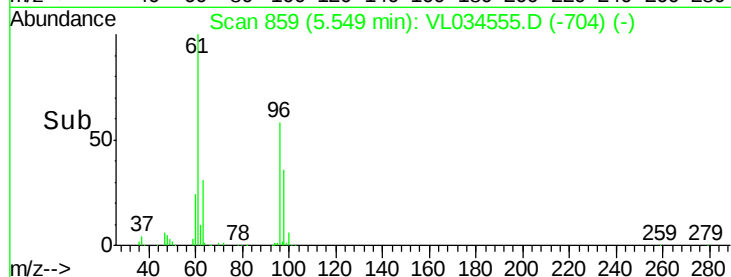
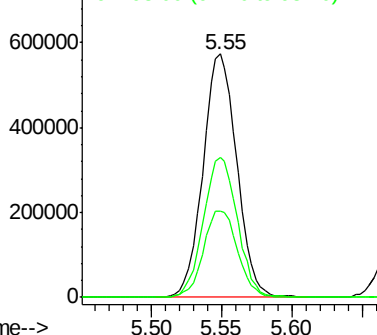
61 100

96 57.6 47.1 70.7

98 35.5 31.0 46.6



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: 9.034 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

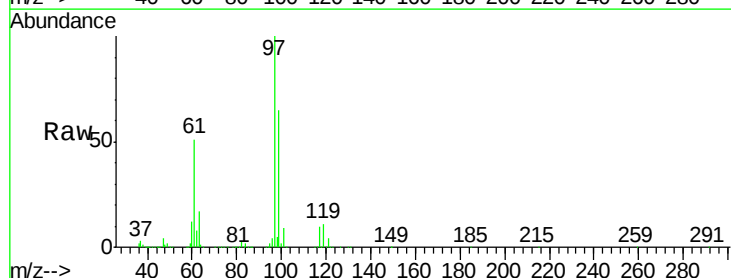
Tgt Ion: 97 Resp: 1593702

Ion Ratio Lower Upper

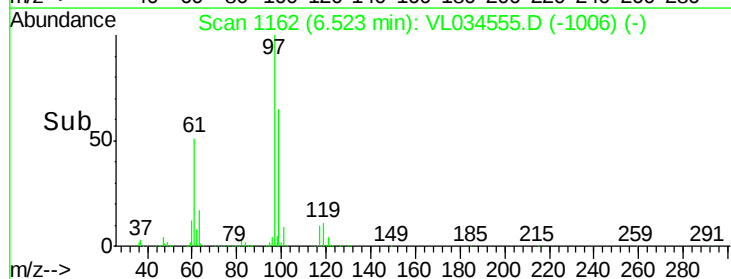
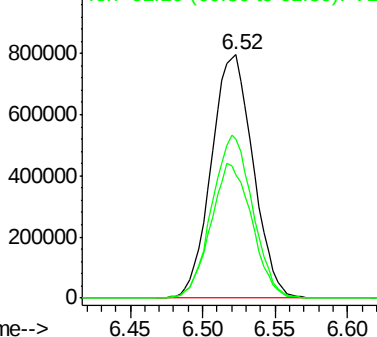
97 100

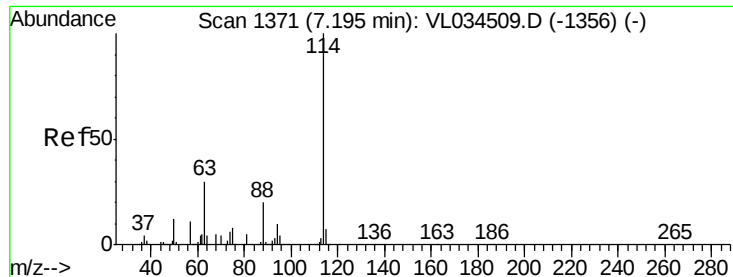
99 65.4 51.7 77.5

61 54.7 42.9 64.3



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

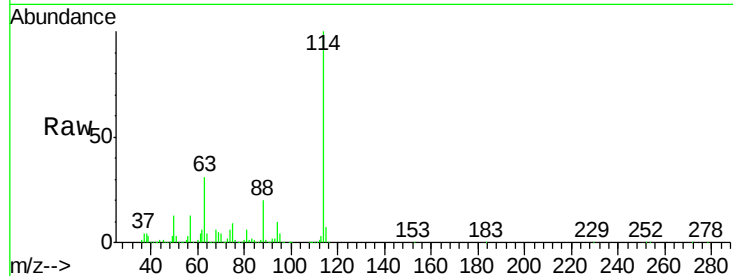




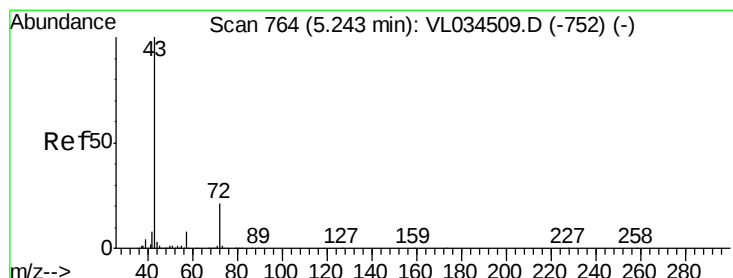
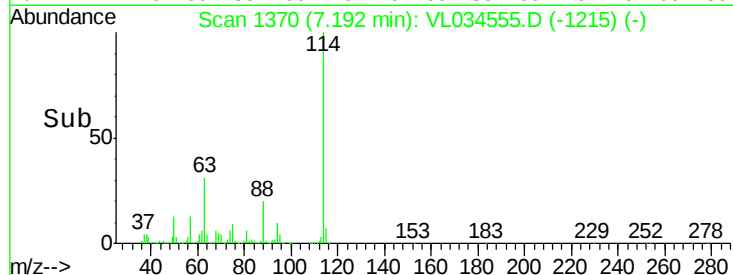
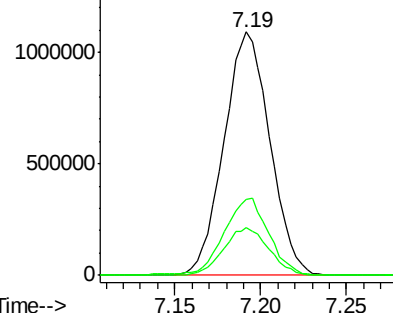
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.00 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:114 Resp: 2013016
 Ion Ratio Lower Upper
 114 100
 63 31.4 24.1 36.1
 88 19.5 15.7 23.5

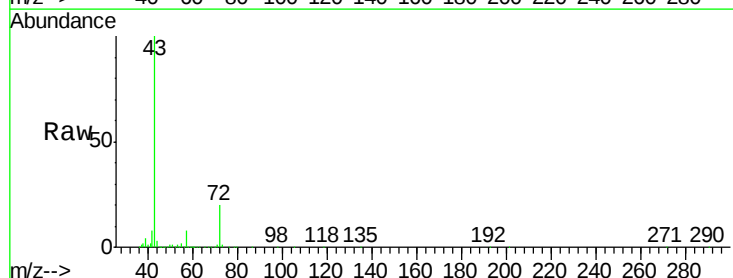


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

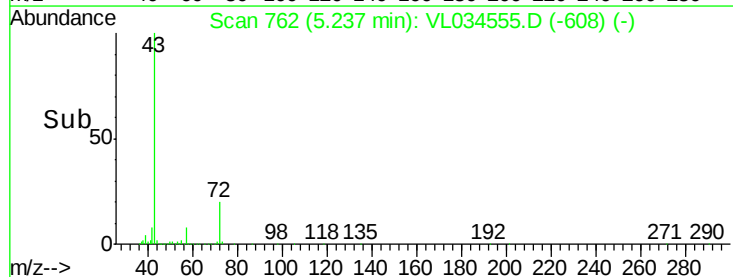
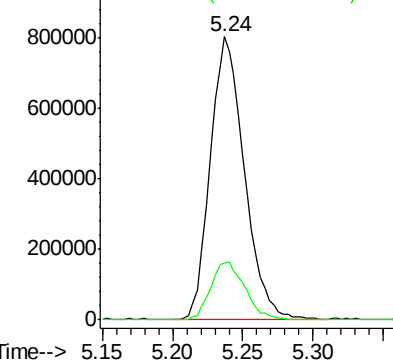


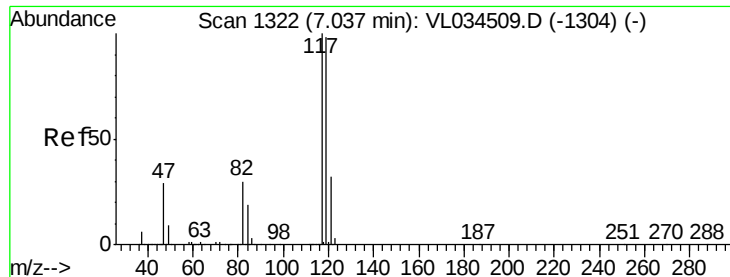
#34
 2-Butanone
 Concen: 9.377 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Tgt Ion: 43 Resp: 1348931
 Ion Ratio Lower Upper
 43 100
 72 20.8 17.0 25.4



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





#35

Carbon Tetrachloride

Concen: 9.586 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

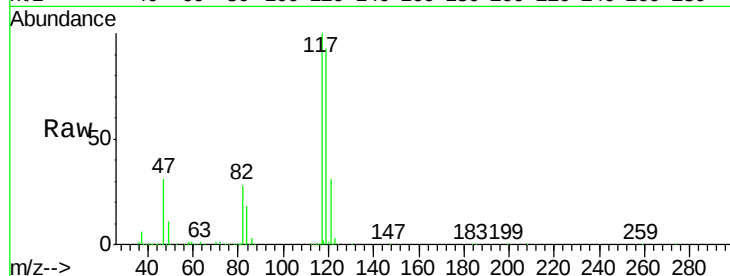
Tgt Ion:117 Resp: 1749976

Ion Ratio Lower Upper

117 100

119 92.9 78.7 118.1

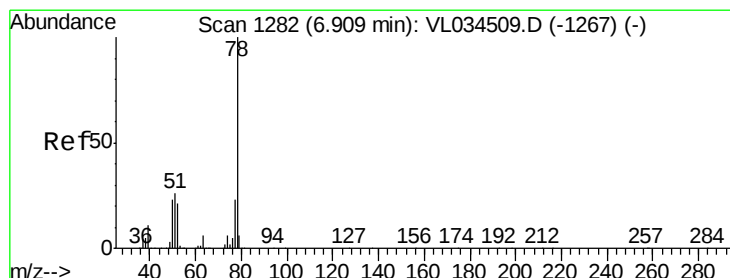
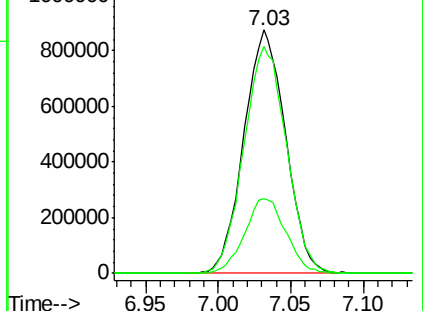
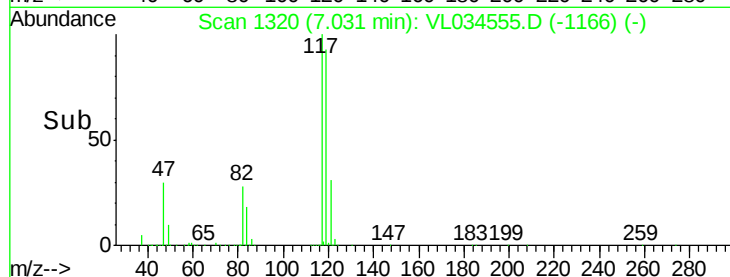
121 30.9 25.9 38.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.652 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

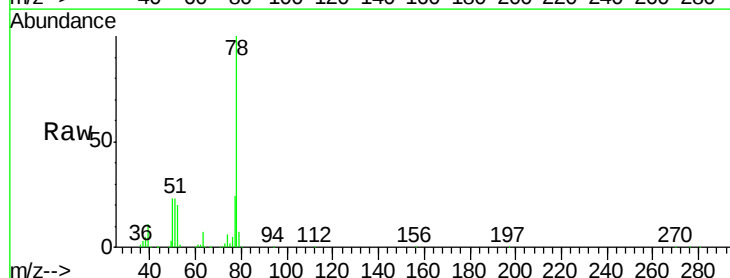
Tgt Ion: 78 Resp: 1693675

Ion Ratio Lower Upper

78 100

77 23.9 18.6 28.0

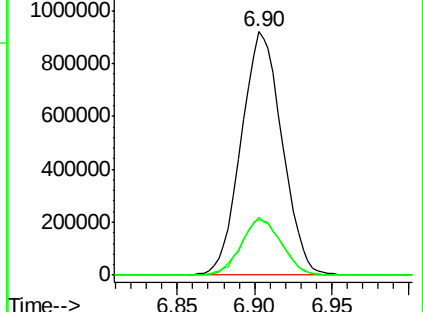
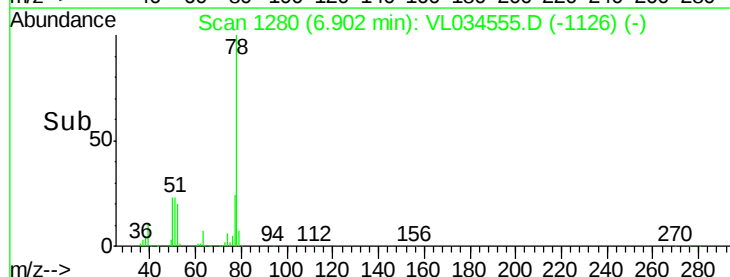
50 22.6 18.8 28.2

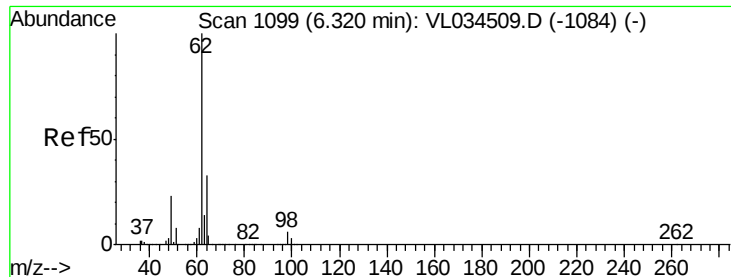


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.626 ppbv

RT: 6.32 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

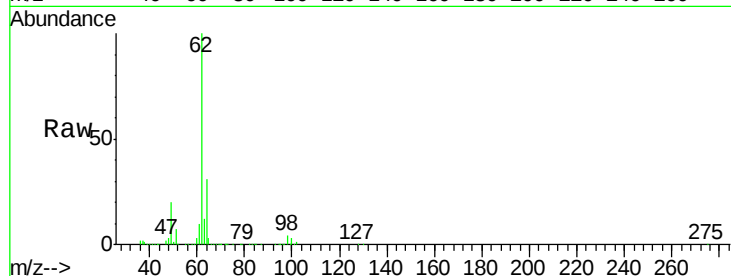
VSTDCCC010EC

Tgt Ion: 62 Resp: 1371671

Ion Ratio Lower Upper

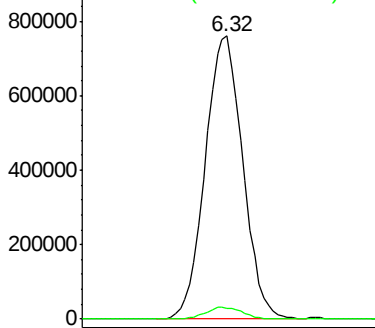
62 100

98 4.2 3.8 5.6

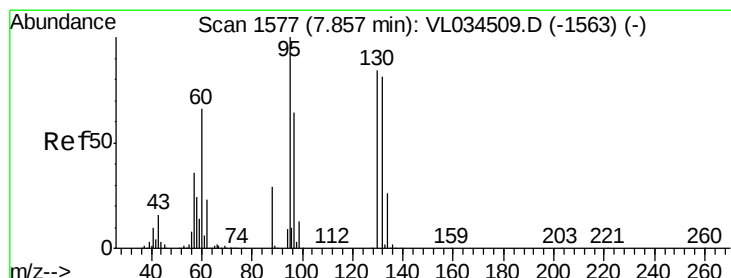
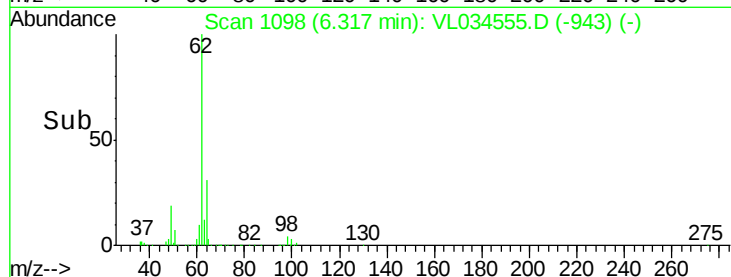


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



Time-->



#38

Trichloroethene

Concen: 9.905 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Tgt Ion: 130 Resp: 702093

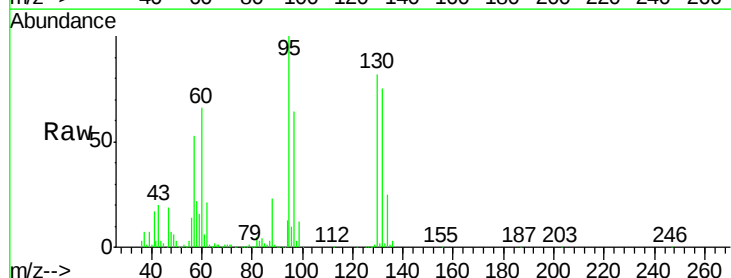
Ion Ratio Lower Upper

130 100

95 121.8 94.2 141.2

132 90.6 76.1 114.1

97 78.5 60.2 90.2

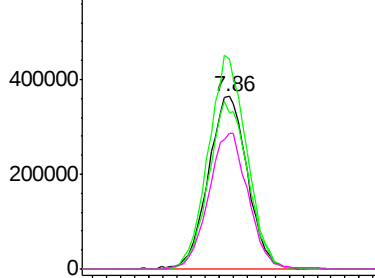


Abundance Ion 130.00 (129.70 to 130.70): V

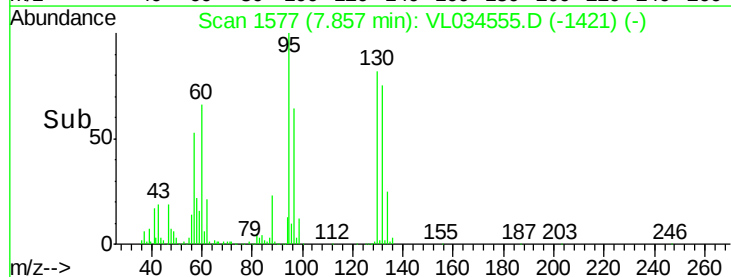
Ion 95.00 (94.70 to 95.70): VL0

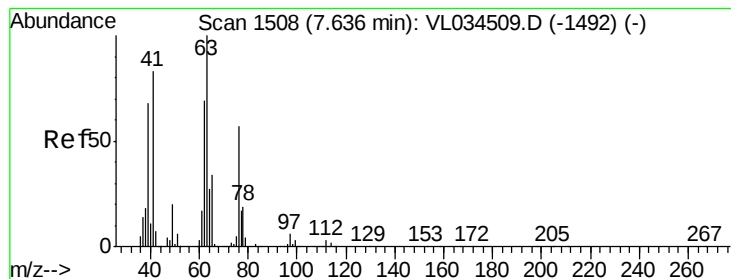
Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



Time-->





#39

1,2-Dichloropropane

Concen: 9.584 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

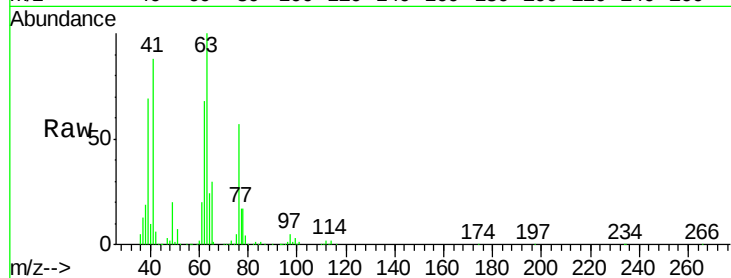
Tgt Ion: 63 Resp: 691506

Ion Ratio Lower Upper

63 100

41 87.6 66.1 99.1

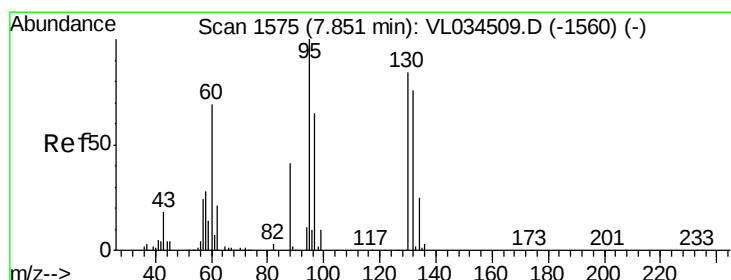
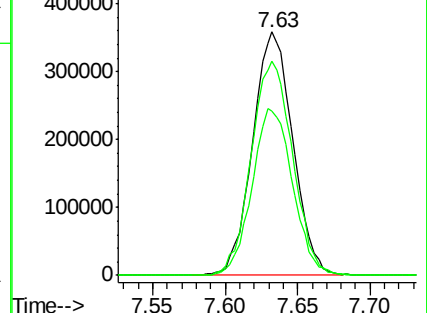
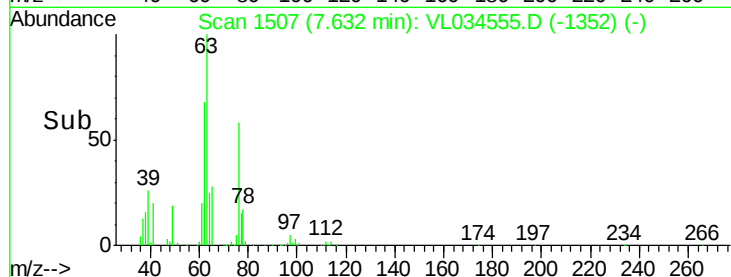
62 67.6 54.9 82.3



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: 10.133 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Tgt Ion: 88 Resp: 295913

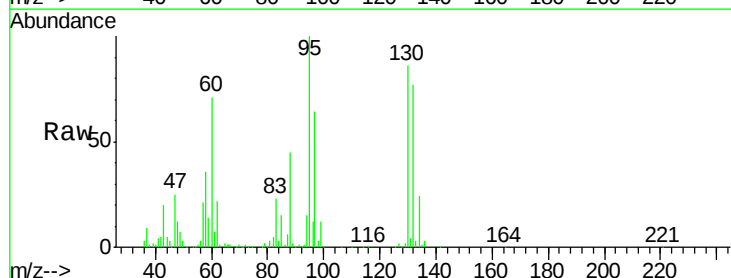
Ion Ratio Lower Upper

88 100

58 131.5 107.9 161.9

43 0.0 0.0 0.0

57 0.0 0.0 0.0

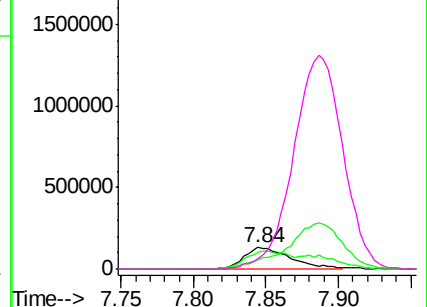
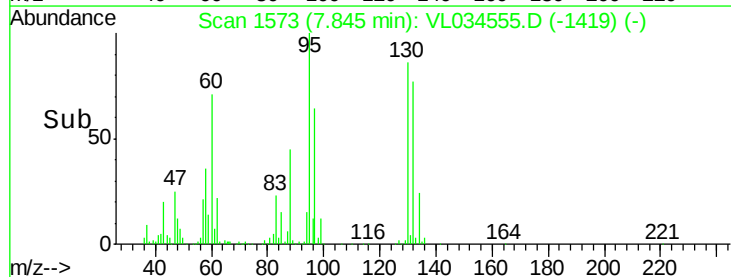


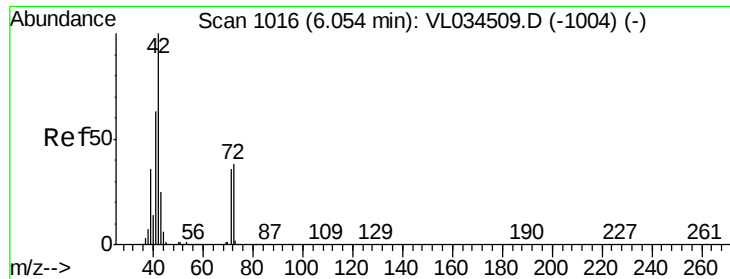
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

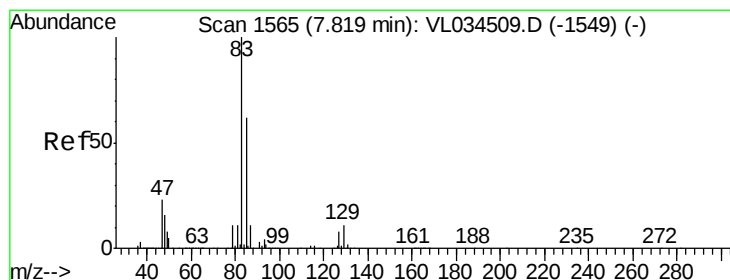
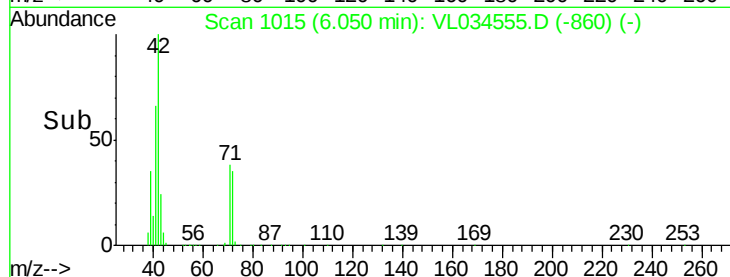
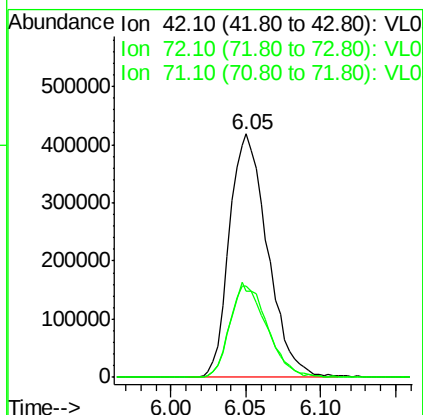
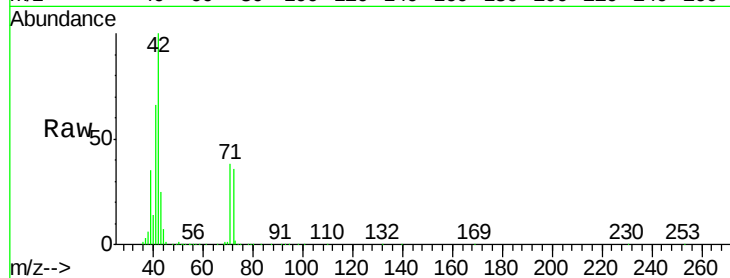




#41
Tetrahydrofuran
Concen: 10.073 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

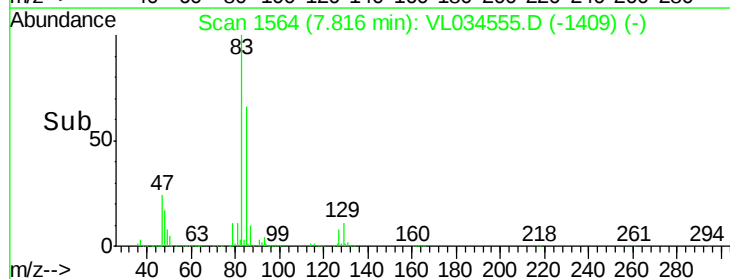
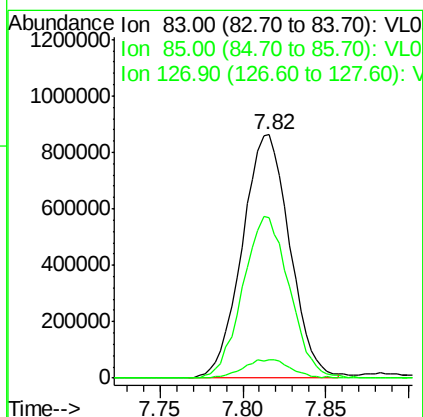
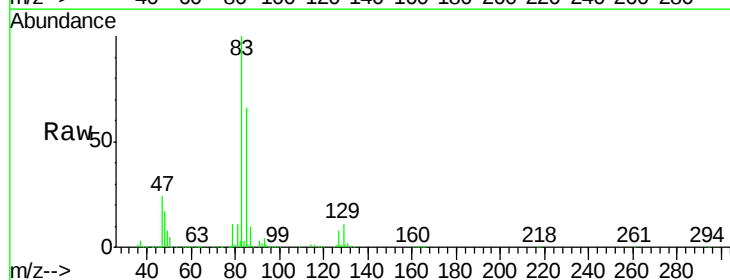
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

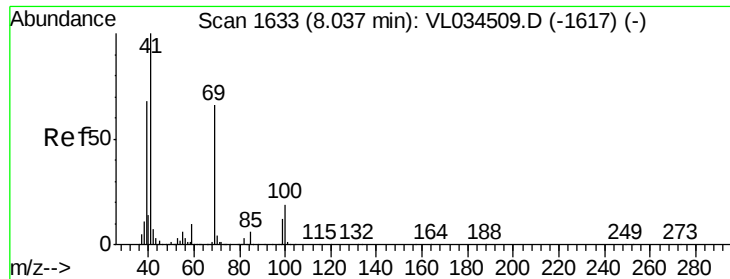
Tgt Ion: 42 Resp: 743298
Ion Ratio Lower Upper
42 100
72 38.1 30.9 46.3
71 37.3 28.9 43.3



#42
Bromodichloromethane
Concen: 9.777 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion: 83 Resp: 1714231
Ion Ratio Lower Upper
83 100
85 65.6 49.4 74.2
127 7.7 6.2 9.4

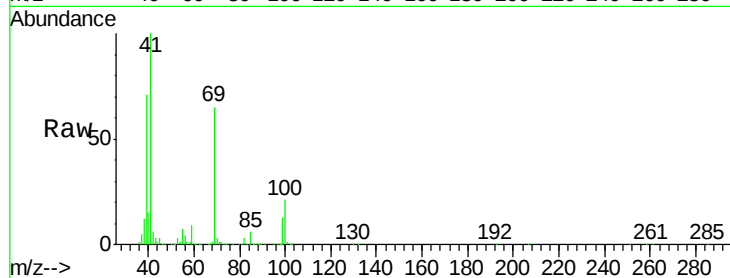




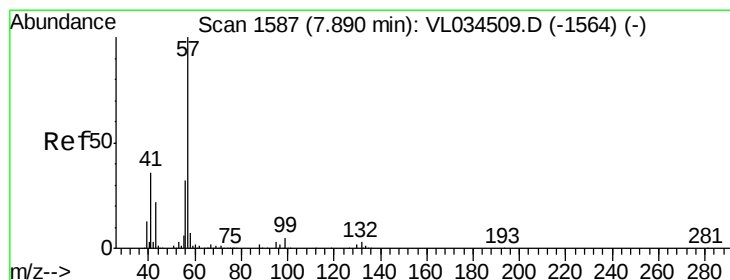
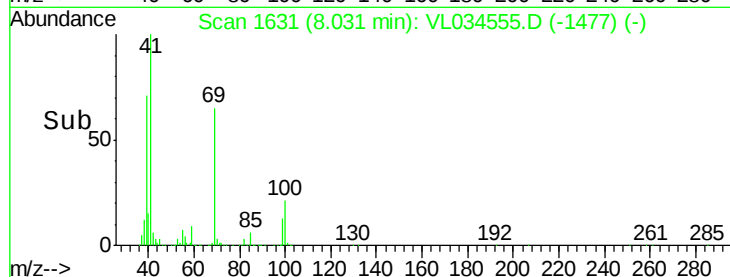
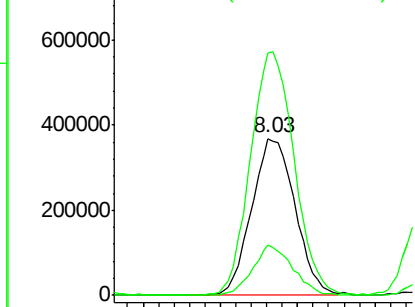
#43
Methyl Methacrylate
Concen: 10.066 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. -0.01 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 720495
Ion Ratio Lower Upper
69 100
41 156.2 124.0 186.0
100 29.8 23.1 34.7

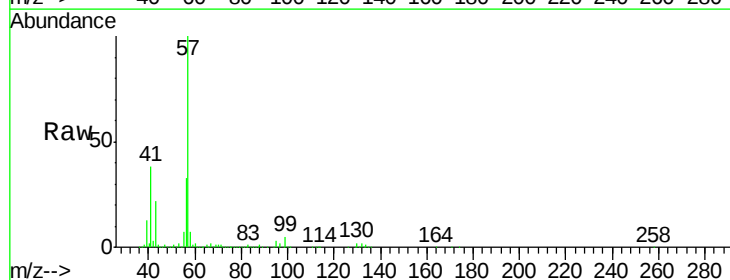


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

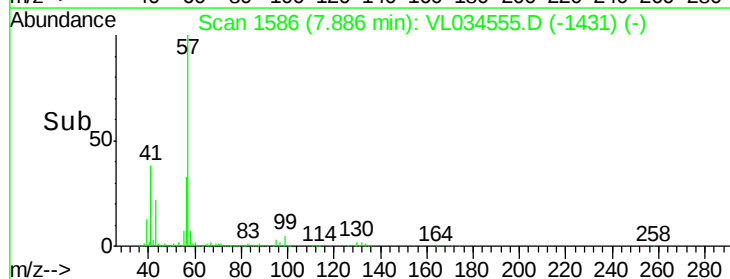
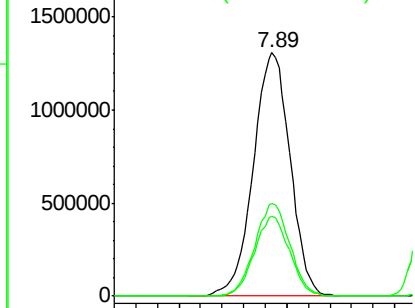


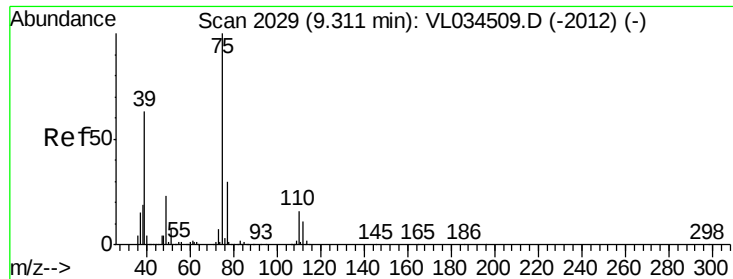
#44
2,2,4-Trimethylpentane
Concen: 9.542 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion: 57 Resp: 3097239
Ion Ratio Lower Upper
57 100
41 36.6 29.0 43.4
56 31.3 24.9 37.3



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





#45

t-1,3-Dichloropropene

Concen: 10.555 ppbv

RT: 9.31 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

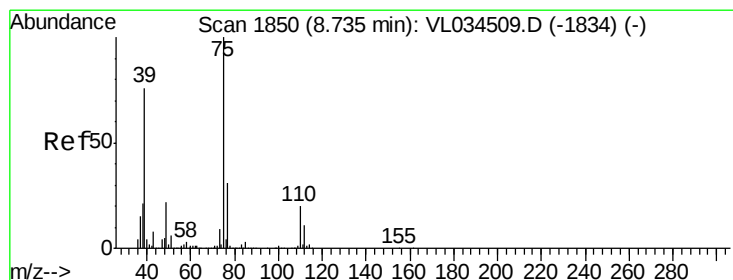
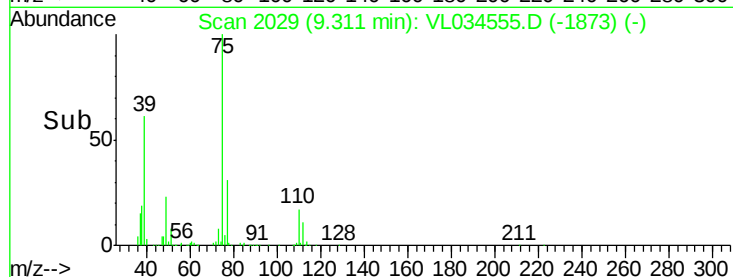
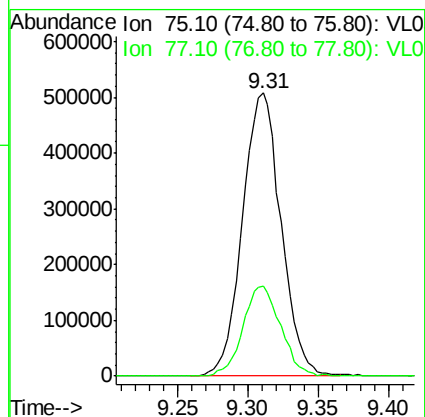
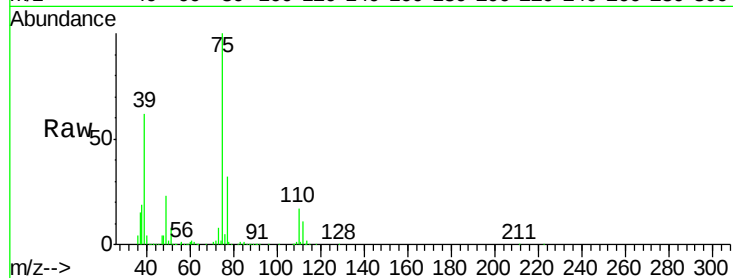
VSTDCCC010EC

Tgt Ion: 75 Resp: 973212

Ion Ratio Lower Upper

75 100

77 31.7 24.2 36.2



#46

cis-1,3-Dichloropropene

Concen: 10.262 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

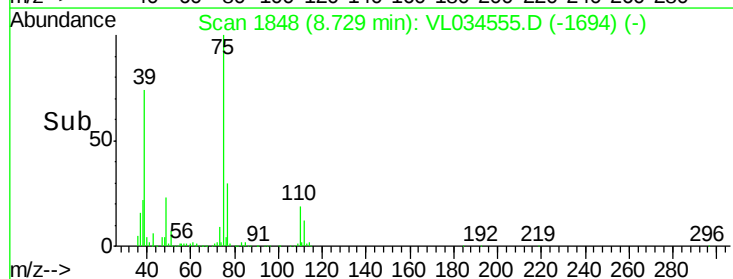
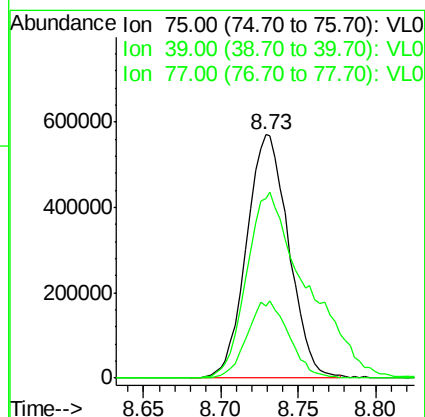
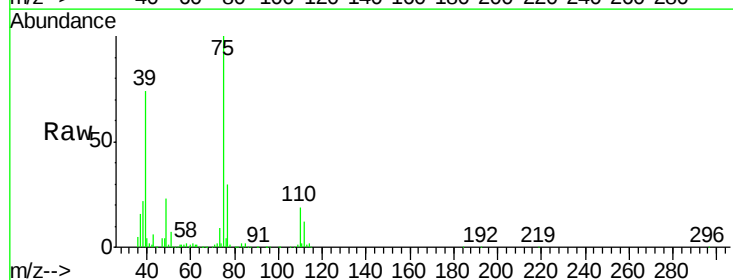
Tgt Ion: 75 Resp: 1081671

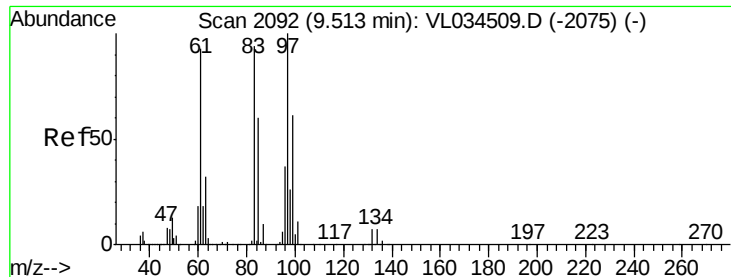
Ion Ratio Lower Upper

75 100

39 73.9 60.5 90.7

77 29.6 24.8 37.2





#47

1,1,2-Trichloroethane

Concen: 9.502 ppbv

RT: 9.51 min Scan# 2091

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 755814

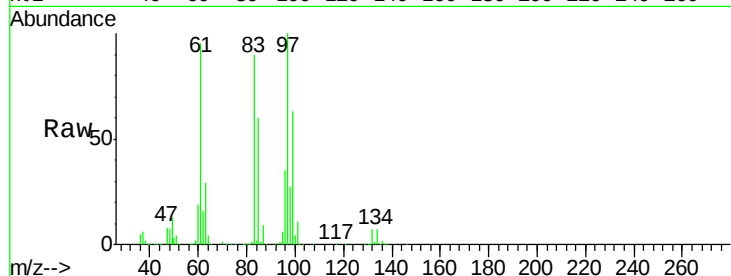
Ion Ratio Lower Upper

97 100

83 89.6 75.0 112.4

85 60.4 48.2 72.4

99 63.4 48.5 72.7

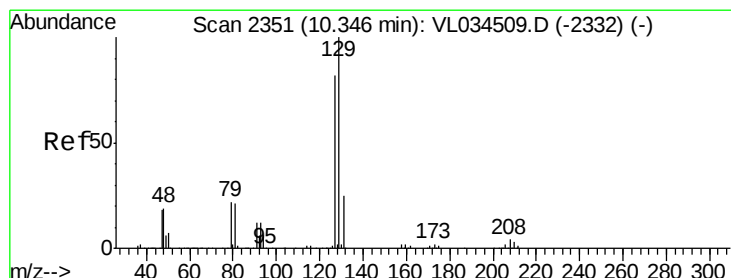
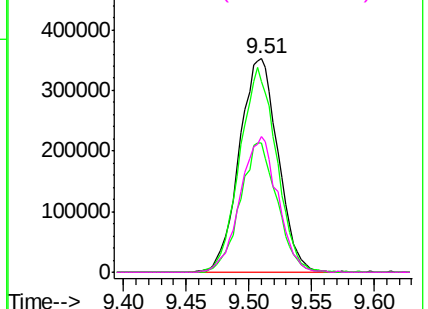
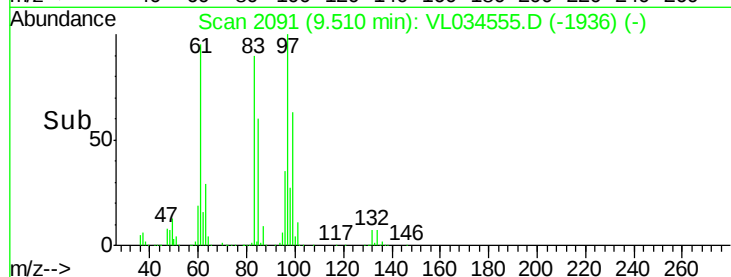


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.483 ppbv

RT: 10.34 min Scan# 2350

Delta R.T. -0.00 min

Lab File: VL034555.D

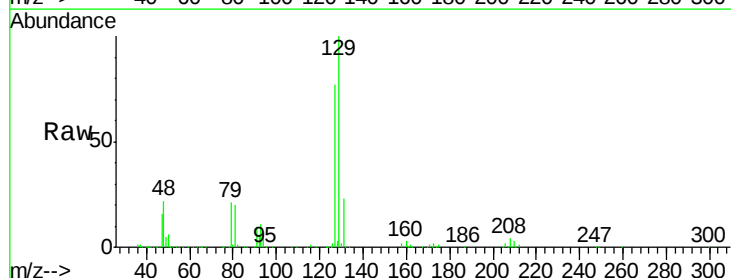
Acq: 2 Jan 2020 21:38

Tgt Ion: 129 Resp: 1445430

Ion Ratio Lower Upper

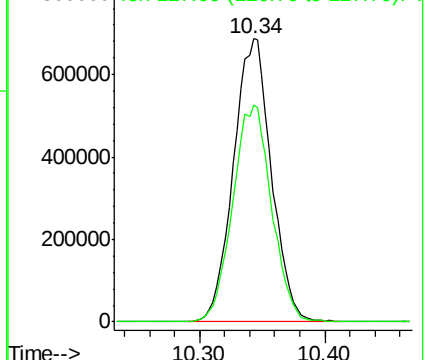
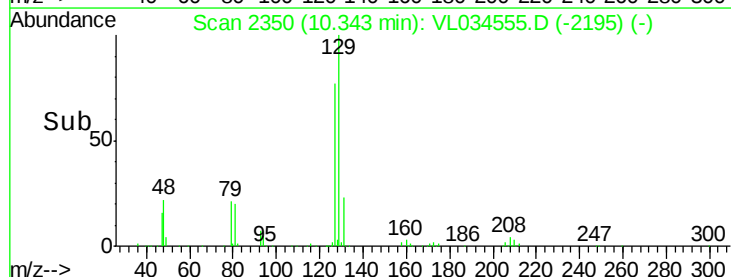
129 100

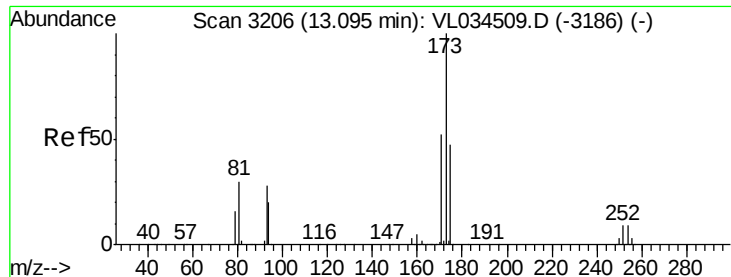
127 78.3 39.4 118.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.313 ppbv

RT: 13.09 min Scan# 3204

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

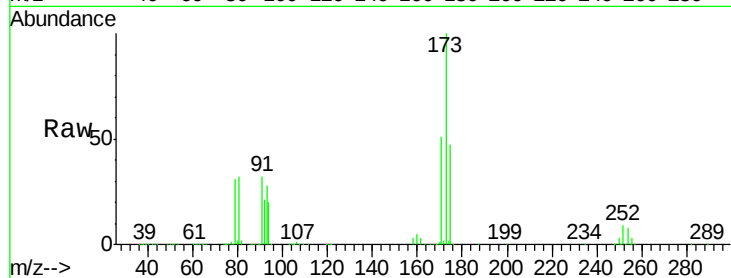
Tgt Ion:173 Resp: 1287354

Ion Ratio Lower Upper

173 100

175 50.2 39.8 59.8

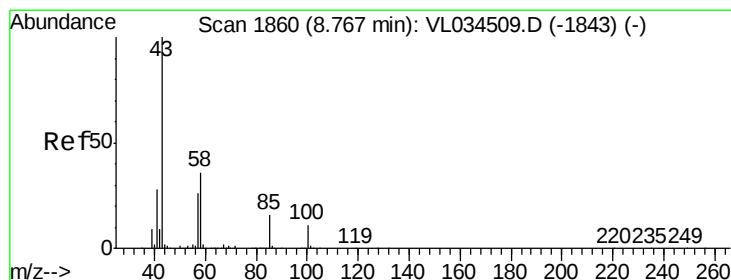
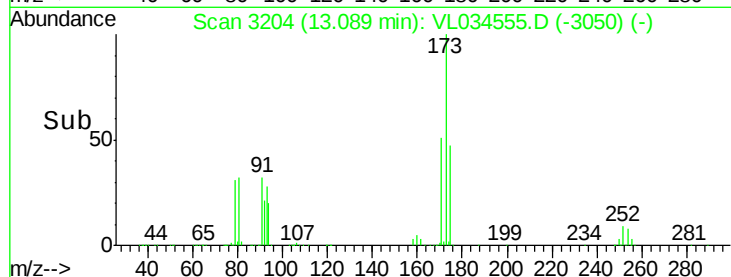
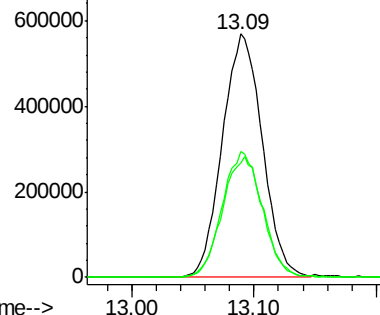
171 52.1 42.1 63.1



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.953 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. -0.01 min

Lab File: VL034555.D

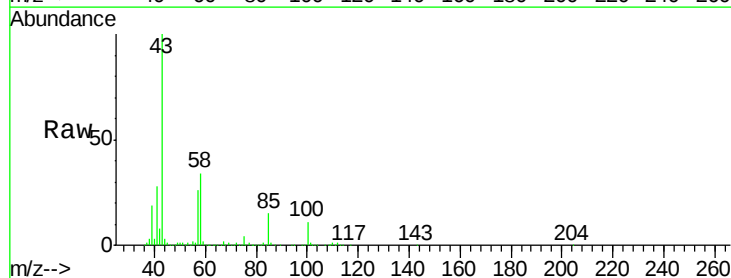
Acq: 2 Jan 2020 21:38

Tgt Ion: 43 Resp: 2078440

Ion Ratio Lower Upper

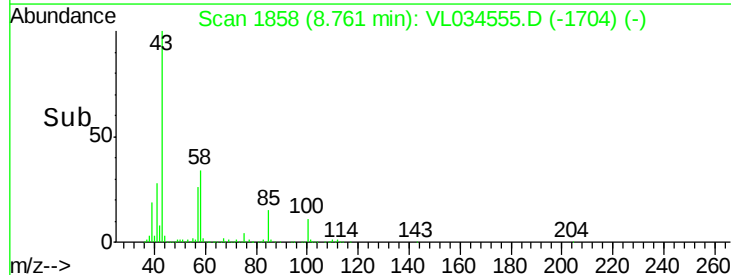
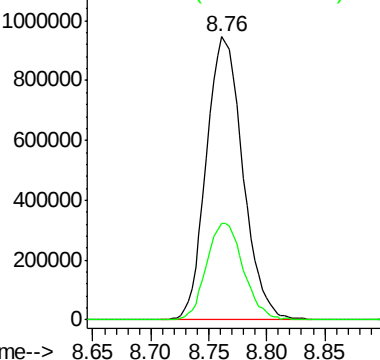
43 100

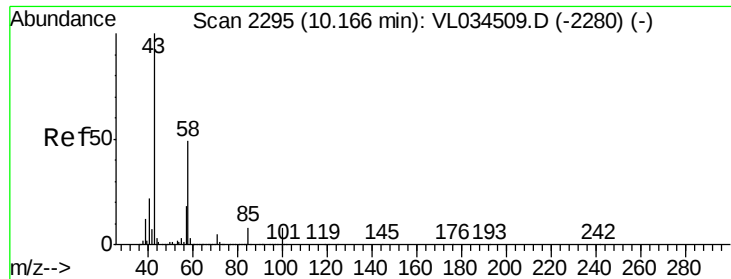
58 34.4 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

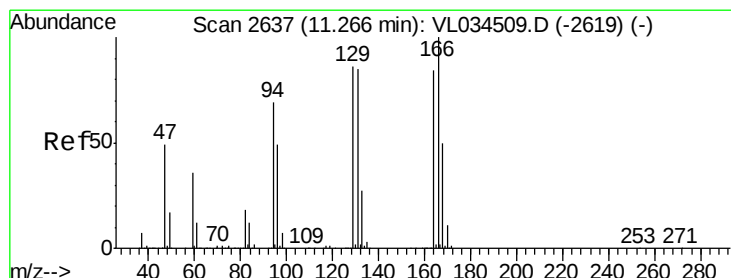
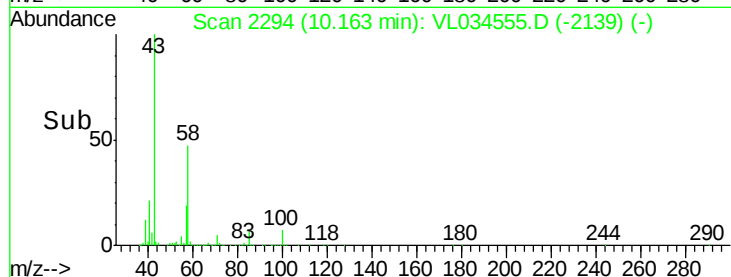
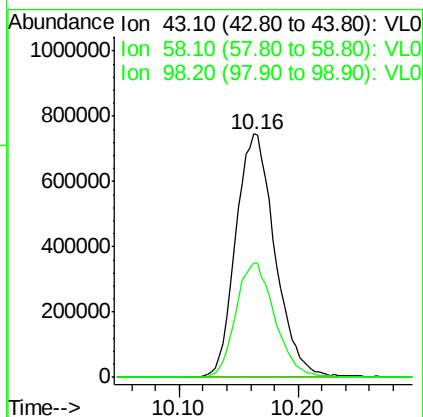
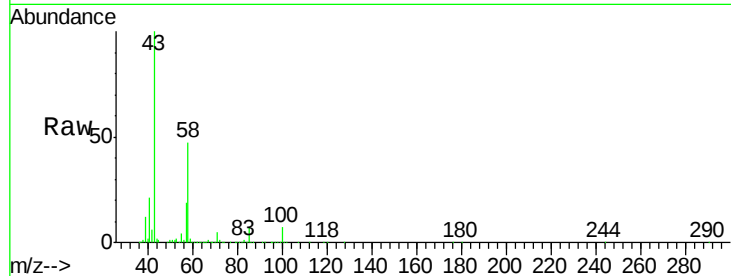




#51
2-Hexanone
Concen: 10.052 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

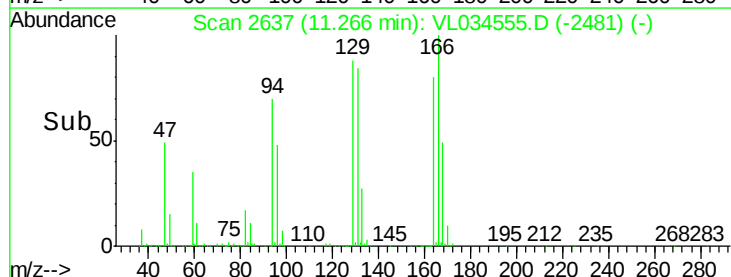
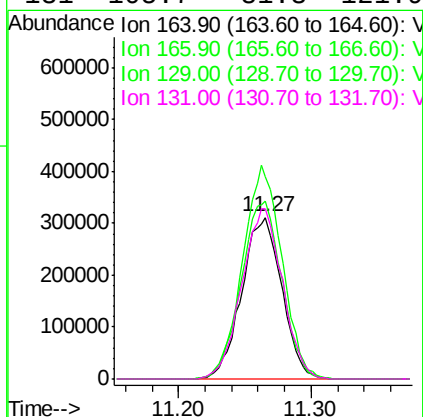
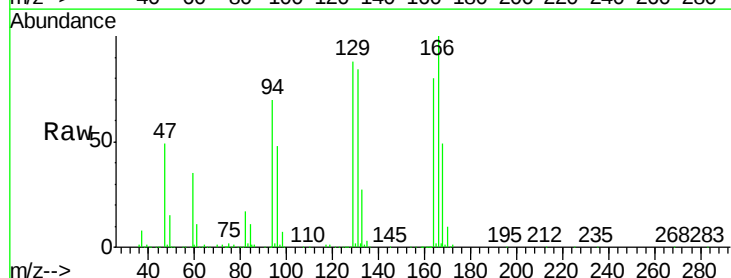
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

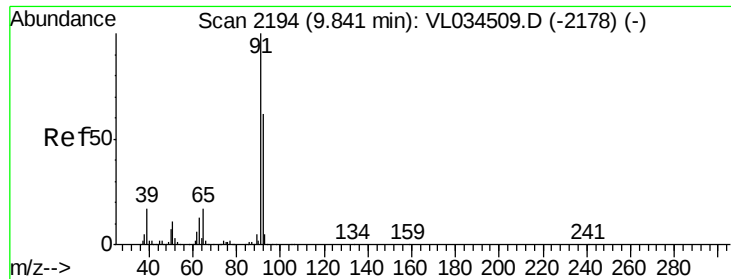
Tgt Ion: 43 Resp: 1694511
Ion Ratio Lower Upper
43 100
58 46.9 37.4 56.0
98 0.4 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.489 ppbv
RT: 11.27 min Scan# 2637
Delta R.T. 0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion: 164 Resp: 649792
Ion Ratio Lower Upper
164 100
166 125.8 95.7 143.5
129 110.1 82.2 123.2
131 105.7 81.3 121.9





#53

Toluene

Concen: 10.304 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

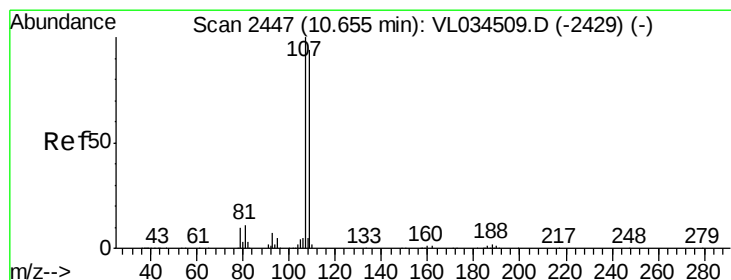
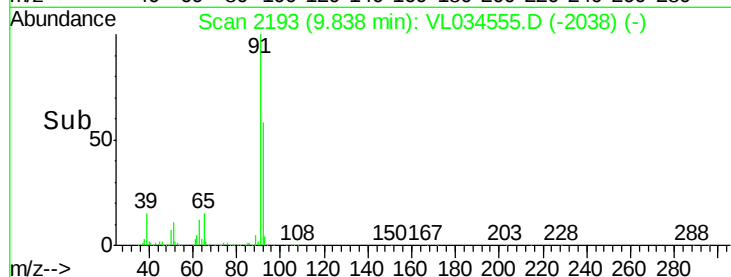
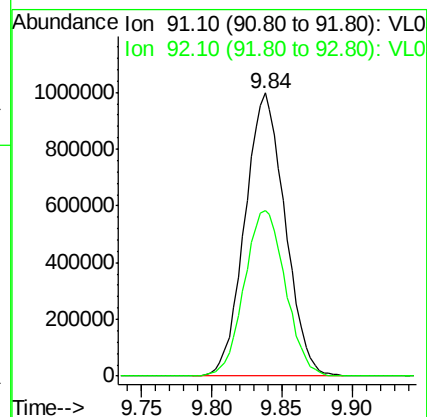
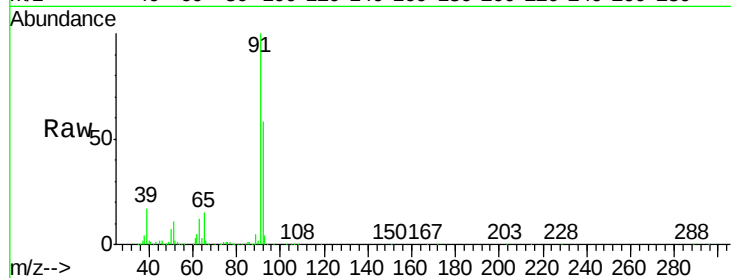
VSTDCCC010EC

Tgt Ion: 91 Resp: 1986427

Ion Ratio Lower Upper

91 100

92 60.0 48.4 72.6



#54

1,2-Dibromoethane

Concen: 10.392 ppbv

RT: 10.65 min Scan# 2445

Delta R.T. -0.01 min

Lab File: VL034555.D

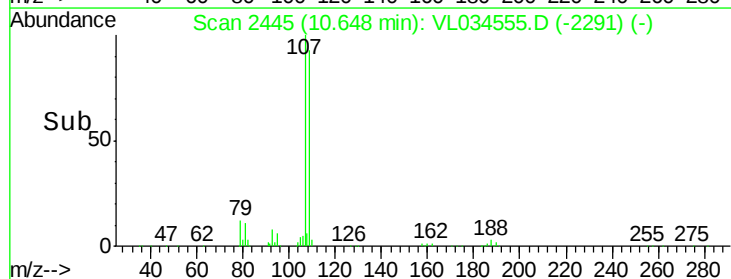
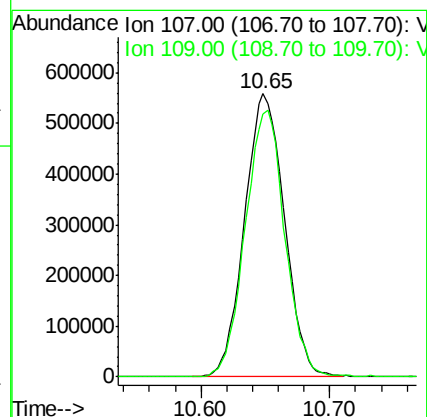
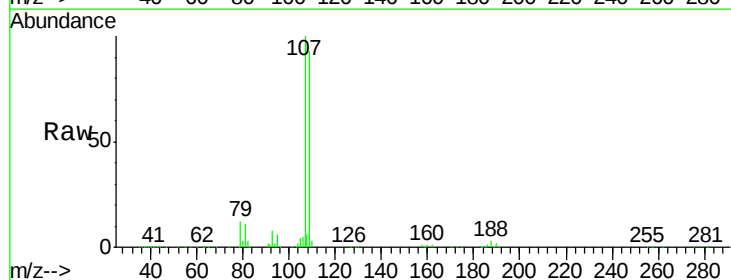
Acq: 2 Jan 2020 21:38

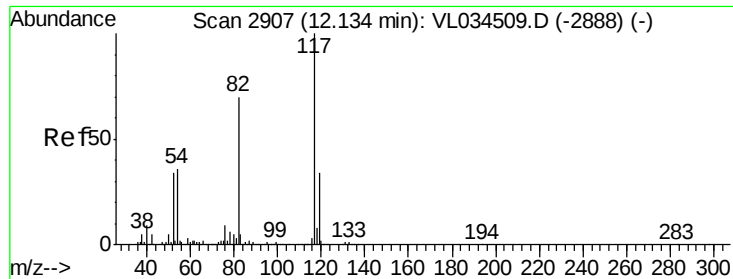
Tgt Ion: 107 Resp: 1202903

Ion Ratio Lower Upper

107 100

109 93.0 75.5 113.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

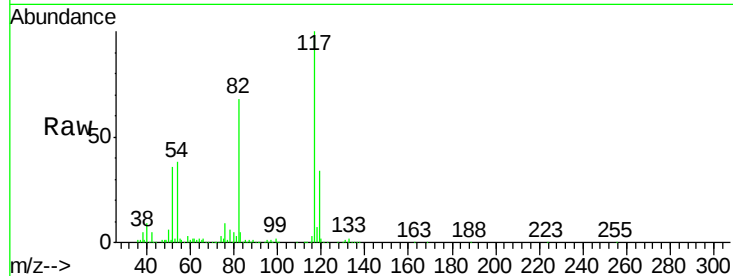
Tgt Ion:117 Resp: 2601967

Ion Ratio Lower Upper

117 100

82 56.2 56.2 84.4#

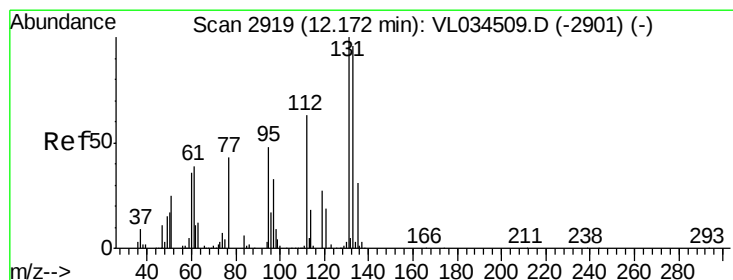
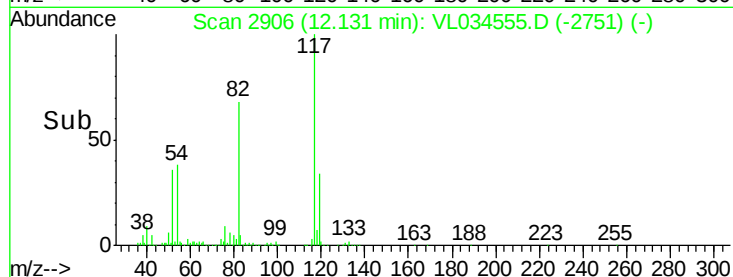
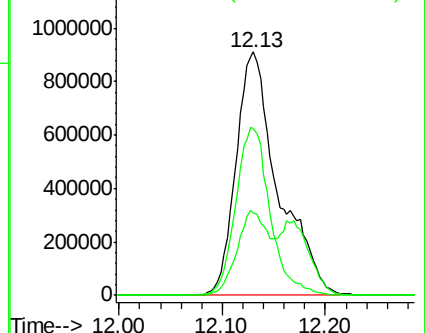
119 25.8 27.1 40.7#



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: 7.923 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

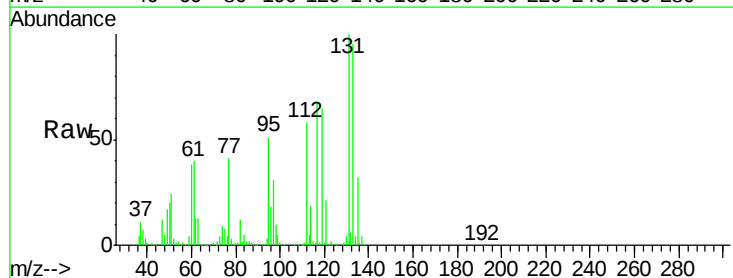
Tgt Ion:131 Resp: 995154

Ion Ratio Lower Upper

131 100

133 94.2 76.2 114.2

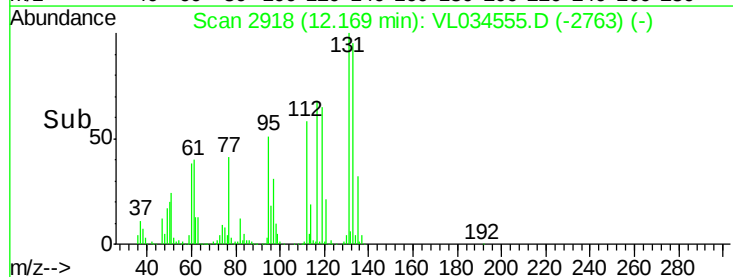
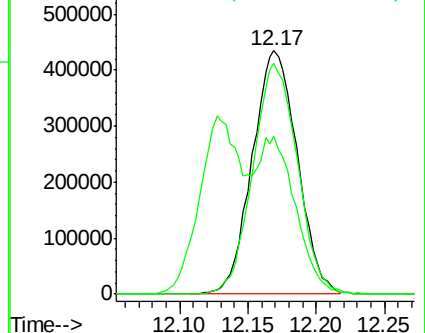
119 53.8 47.1 70.7

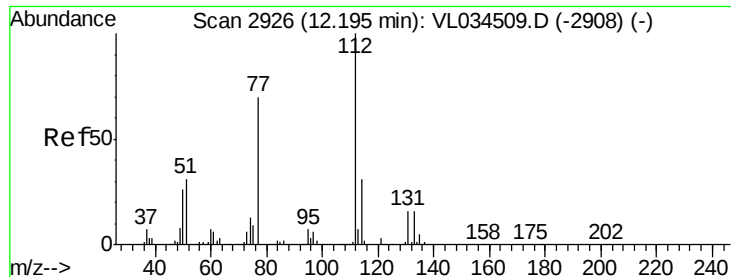


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

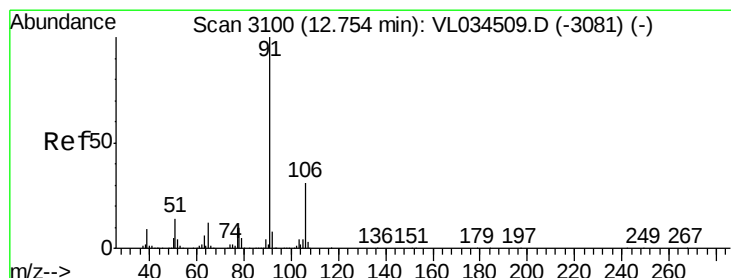
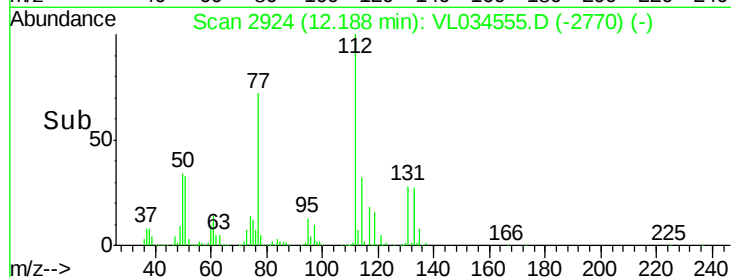
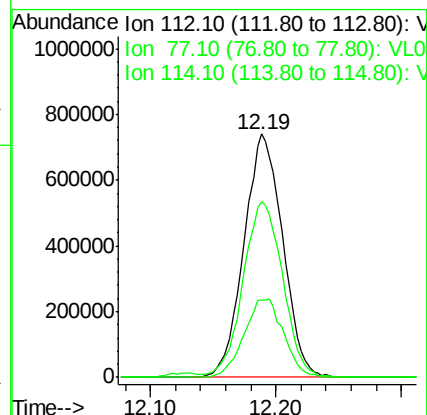
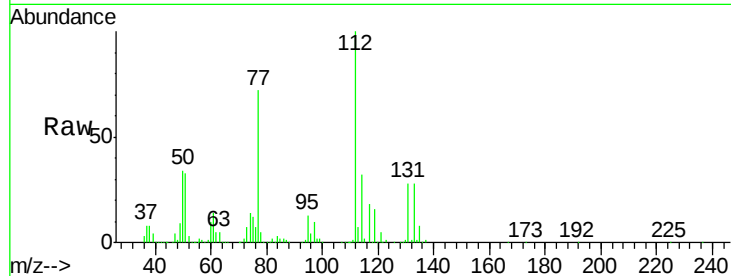




#57
Chlorobenzene
Concen: 7.382 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. -0.01 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

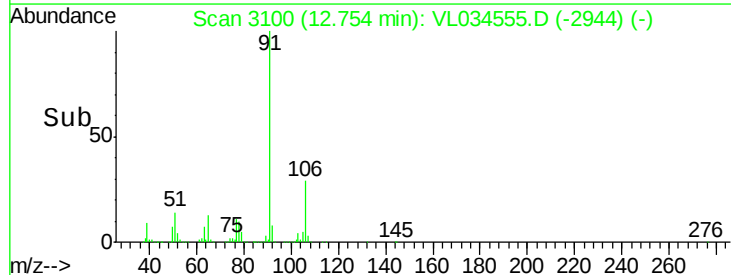
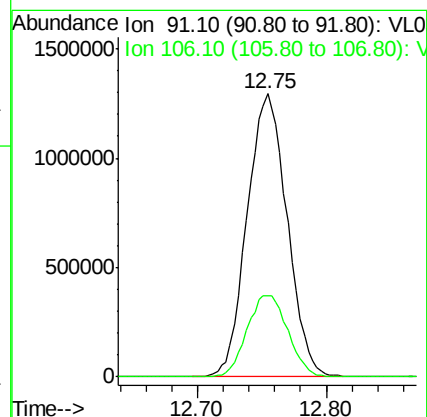
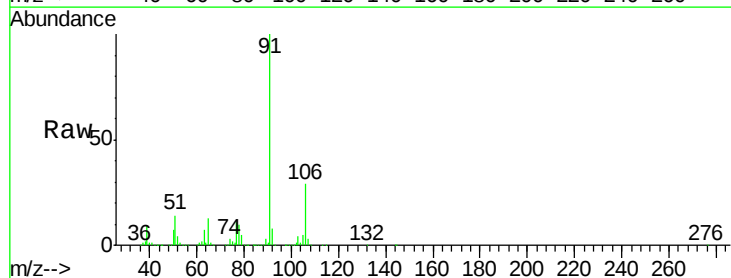
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

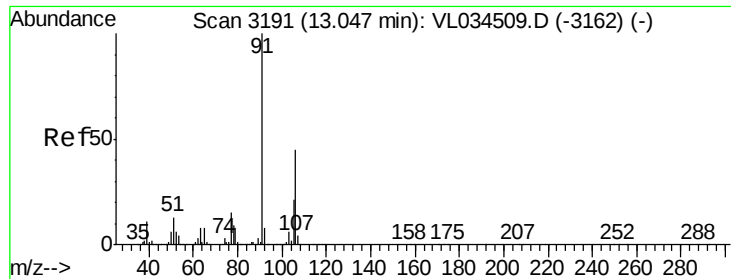
Tgt Ion: 112 Resp: 1584585
Ion Ratio Lower Upper
112 100
77 71.7 57.4 86.0
114 31.5 28.4 34.8



#58
Ethyl Benzene
Concen: 7.959 ppbv
RT: 12.75 min Scan# 3100
Delta R.T. 0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion: 91 Resp: 2793019
Ion Ratio Lower Upper
91 100
106 28.7 24.6 36.8





#59

m/p-Xylene

Concen: 6.046 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

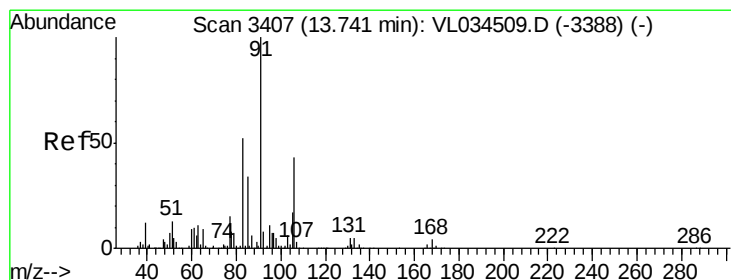
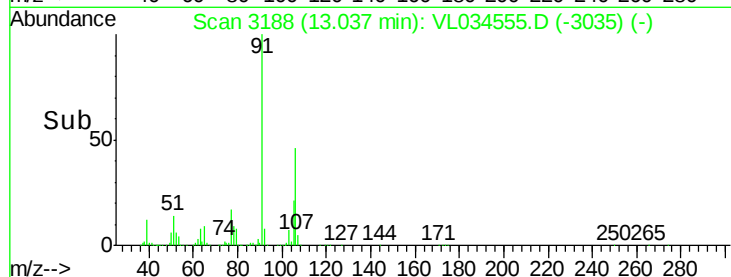
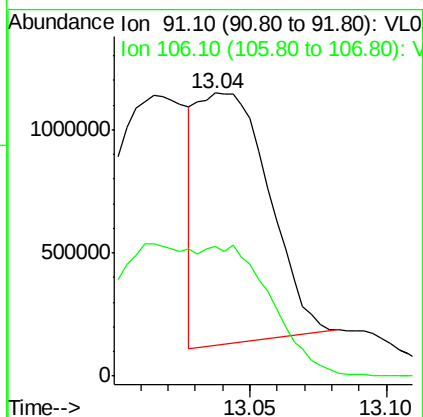
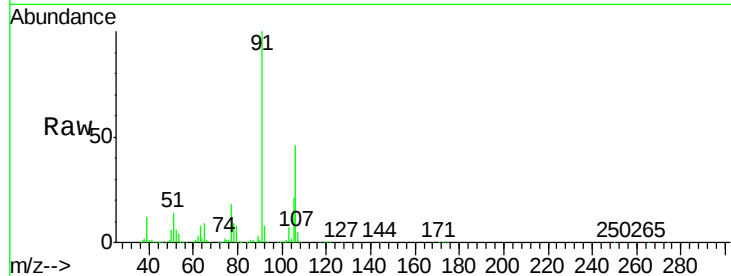
VSTDCCC010EC

Tgt Ion: 91 Resp: 1855183

Ion Ratio Lower Upper

91 100

106 0.0 35.6 53.4#



#60

o-Xylene

Concen: 7.914 ppbv

RT: 13.74 min Scan# 3406

Delta R.T. -0.00 min

Lab File: VL034555.D

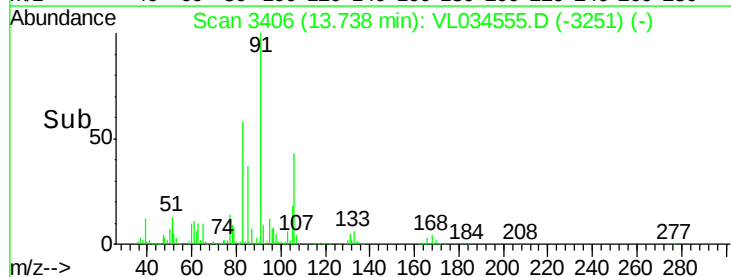
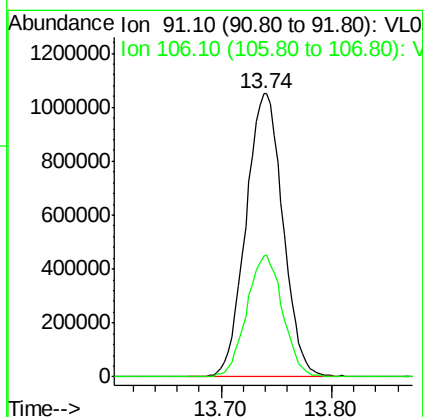
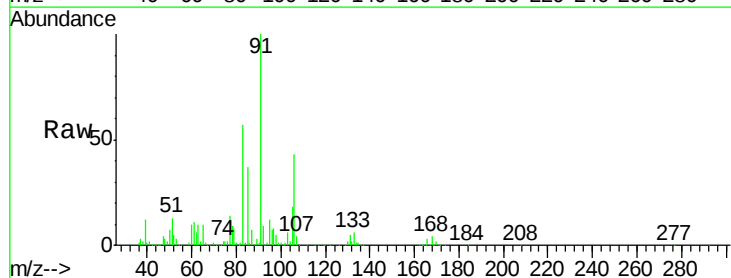
Acq: 2 Jan 2020 21:38

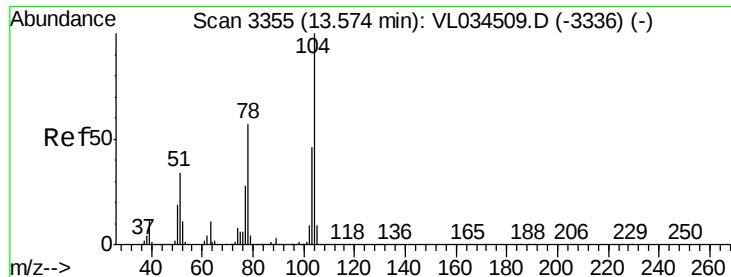
Tgt Ion: 91 Resp: 2436764

Ion Ratio Lower Upper

91 100

106 41.8 21.4 64.3





#61

Styrene

Concen: 8.023 ppbv

RT: 13.58 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

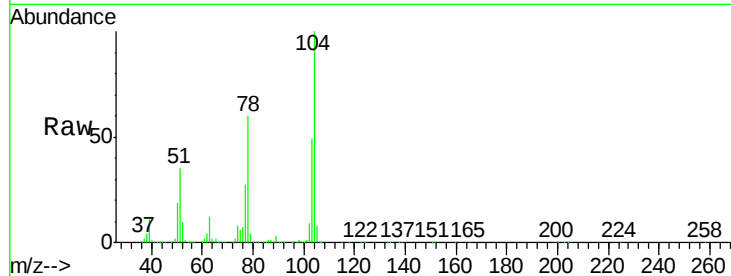
Tgt Ion:104 Resp: 1689094

Ion Ratio Lower Upper

104 100

78 60.2 47.7 71.5

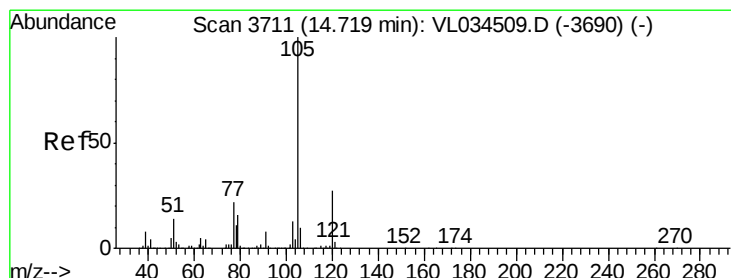
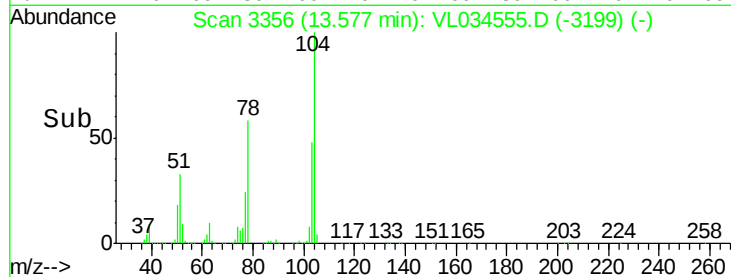
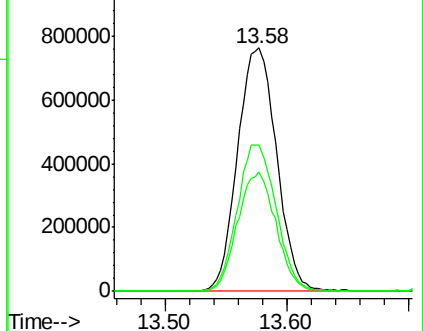
103 48.3 38.6 58.0



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: 7.851 ppbv

RT: 14.72 min Scan# 3711

Delta R.T. 0.00 min

Lab File: VL034555.D

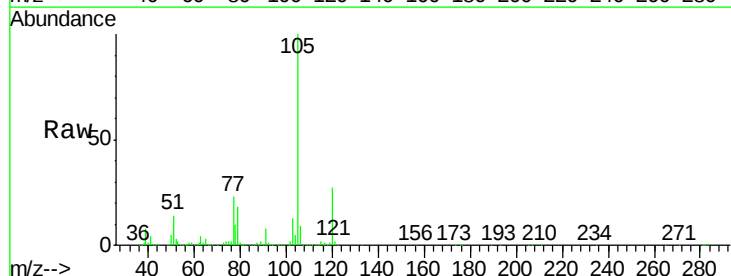
Acq: 2 Jan 2020 21:38

Tgt Ion:105 Resp: 3162309

Ion Ratio Lower Upper

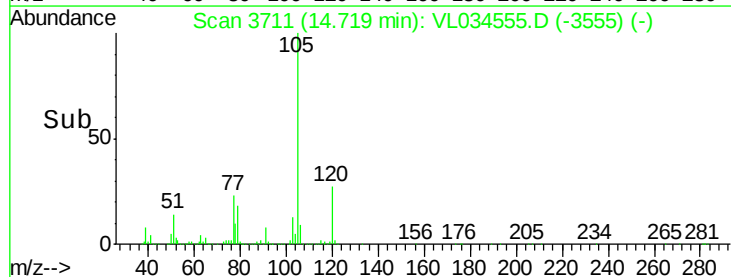
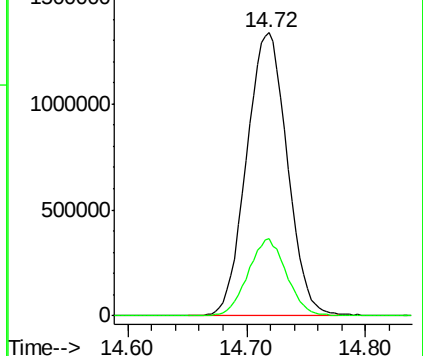
105 100

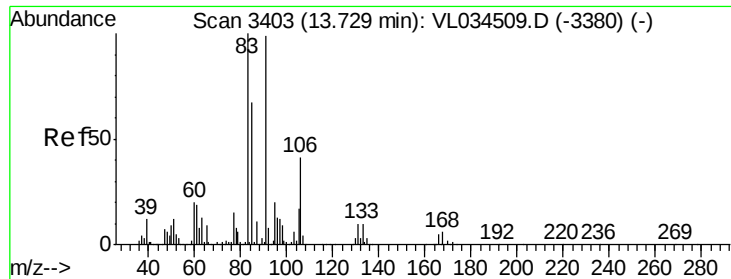
120 25.8 20.6 30.8



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: 7.109 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

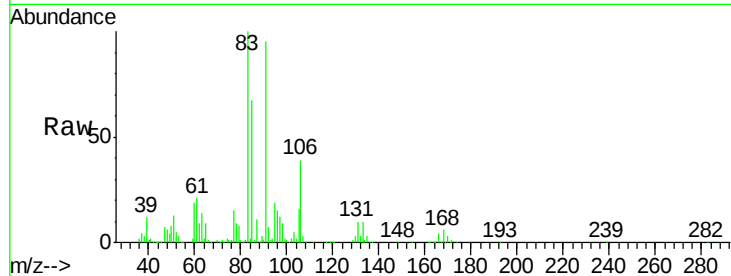
Tgt Ion: 83 Resp: 1755985

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.4

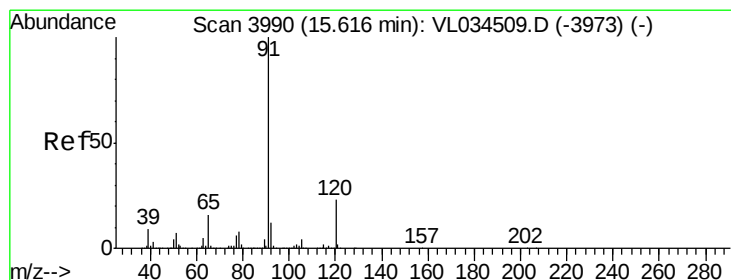
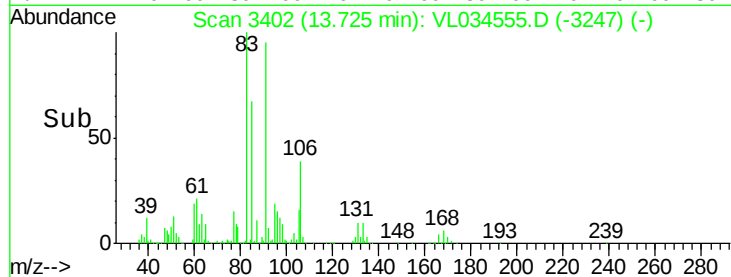
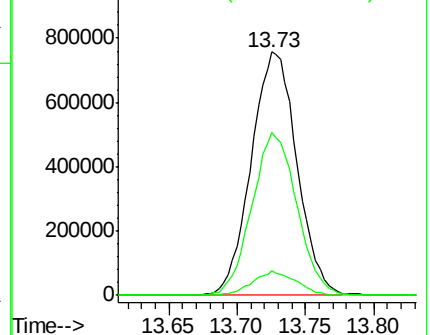
85 66.2 32.5 97.4



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: 8.004 ppbv

RT: 15.61 min Scan# 3989

Delta R.T. -0.00 min

Lab File: VL034555.D

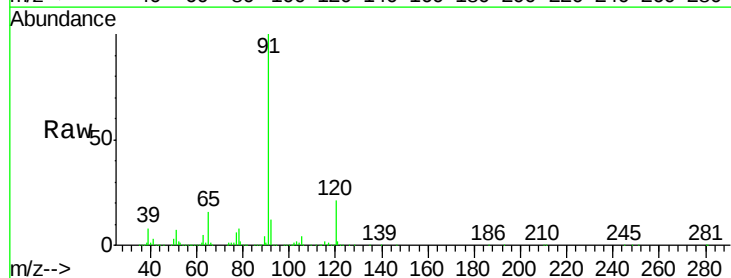
Acq: 2 Jan 2020 21:38

Tgt Ion: 120 Resp: 823157

Ion Ratio Lower Upper

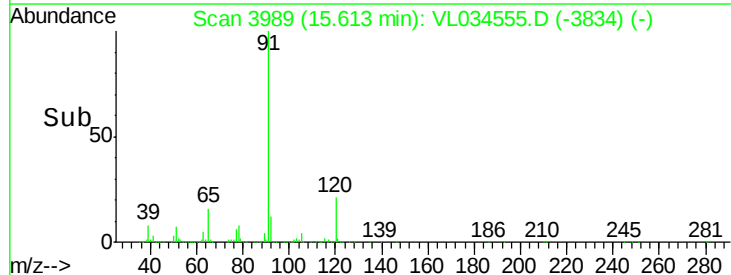
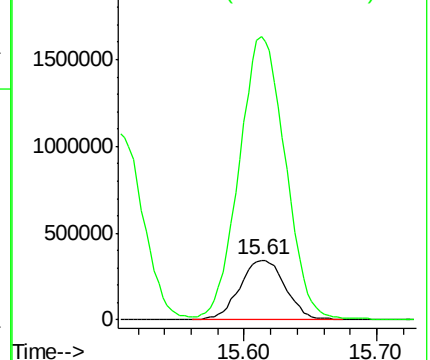
120 100

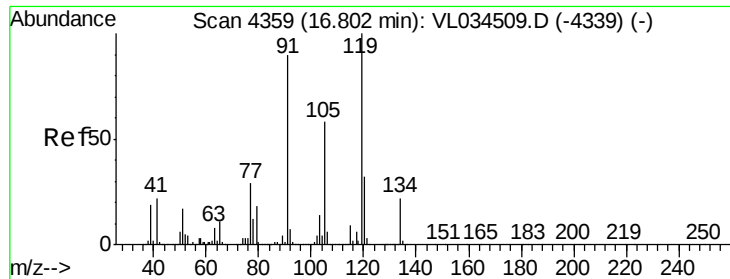
91 480.1 375.6 563.4



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.090 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

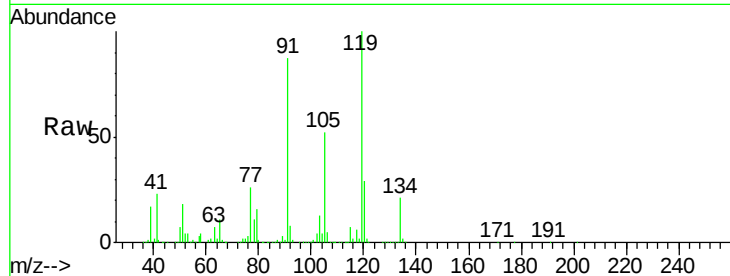
Tgt Ion:119 Resp: 2943793

Ion Ratio Lower Upper

119 100

91 89.8 72.0 108.0

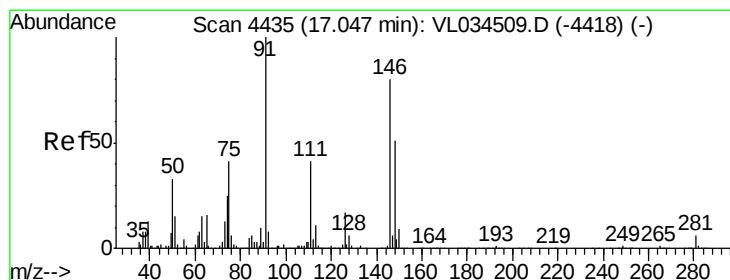
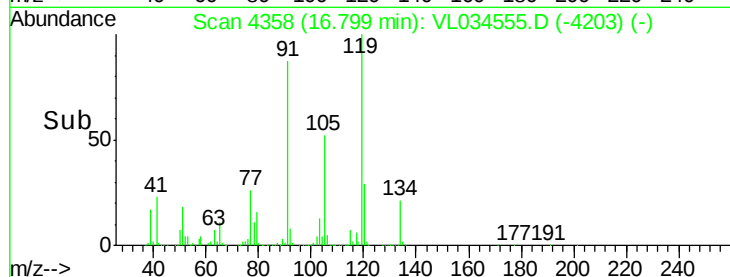
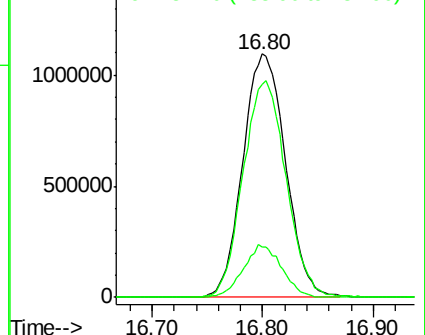
134 19.4 16.1 24.1



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: 8.656 ppbv

RT: 17.05 min Scan# 4435

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

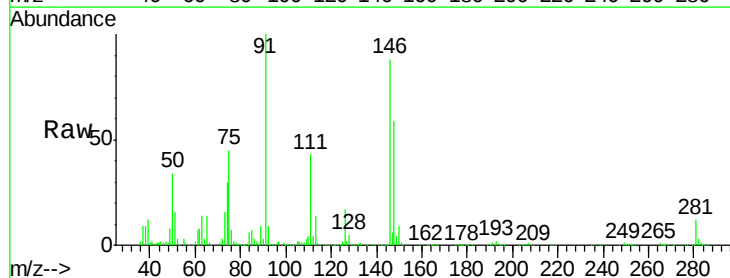
Tgt Ion: 91 Resp: 1380526

Ion Ratio Lower Upper

91 100

126 16.7 13.1 19.7

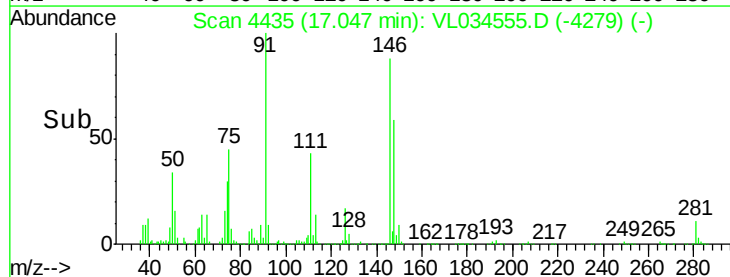
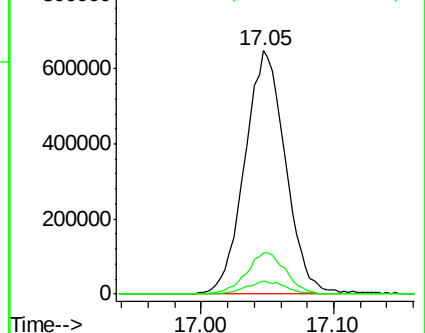
128 5.2 4.2 6.4

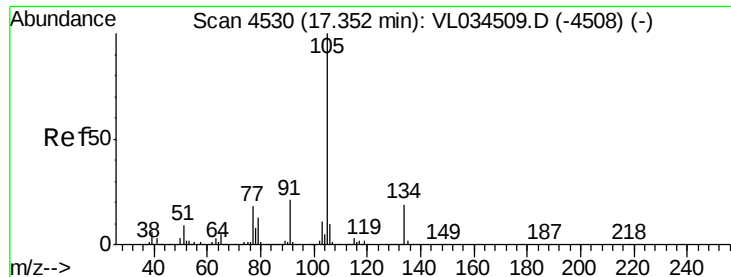


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

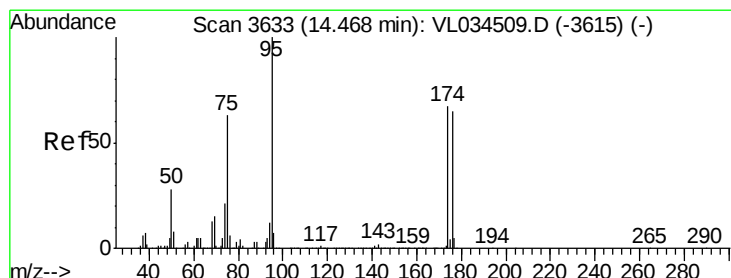
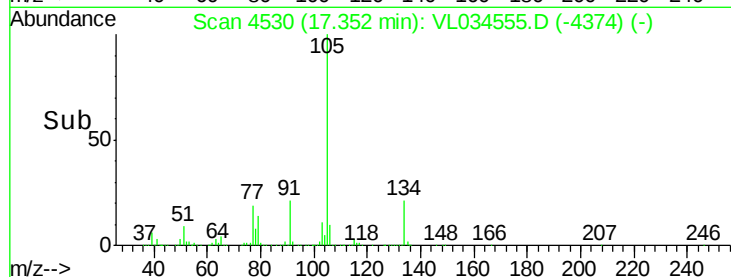
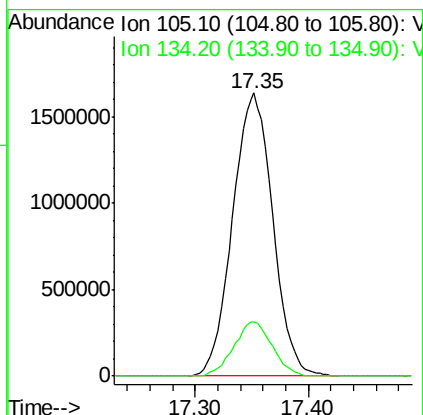
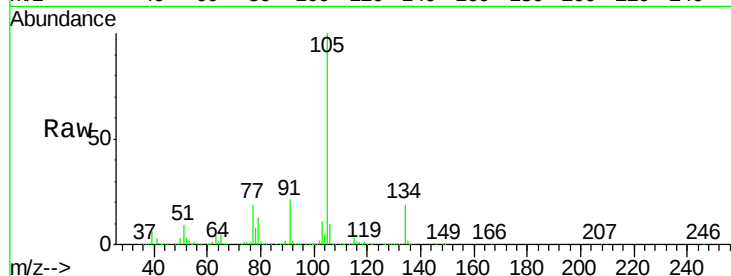




#67
 sec-Butylbenzene
 Concen: 7.883 ppbv
 RT: 17.35 min Scan# 4530
 Delta R.T. 0.00 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

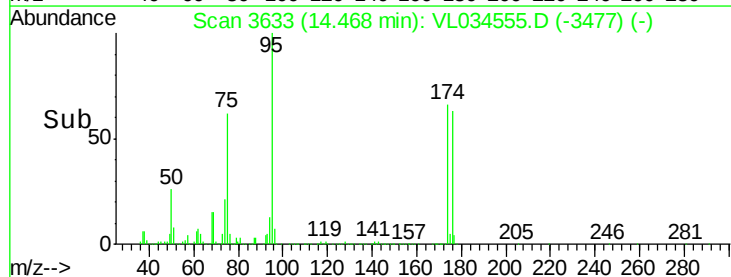
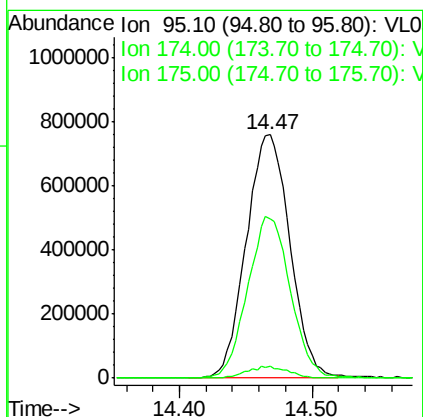
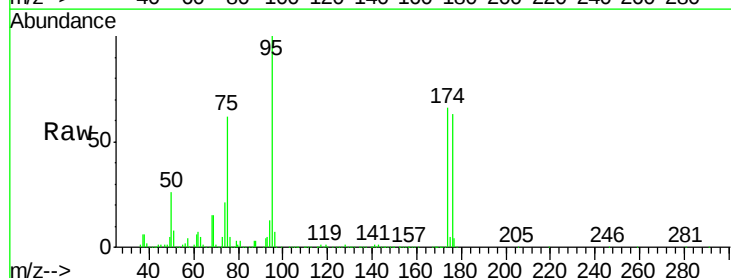
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

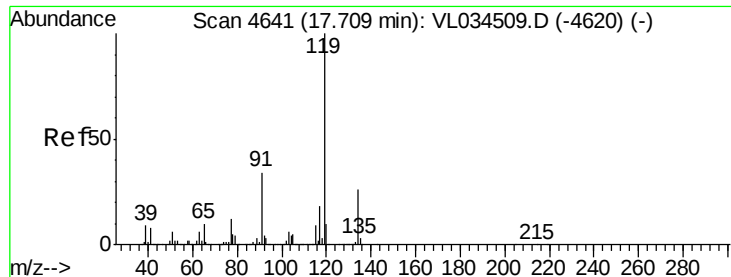
Tgt Ion: 105 Resp: 4028162
 Ion Ratio Lower Upper
 105 100
 134 18.6 15.1 22.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.035 ppbv
 RT: 14.47 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Tgt Ion: 95 Resp: 1744569
 Ion Ratio Lower Upper
 95 100
 174 65.1 52.4 78.6
 175 4.6 3.9 5.9





#69

p-Isopropyltoluene

Concen: 8.195 ppbv

RT: 17.71 min Scan# 4642

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

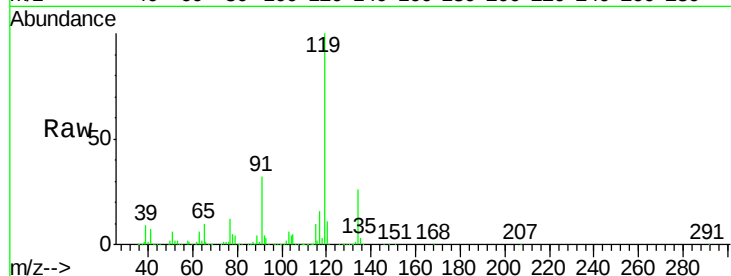
Tgt Ion:119 Resp: 3396409

Ion Ratio Lower Upper

119 100

134 25.9 20.7 31.1

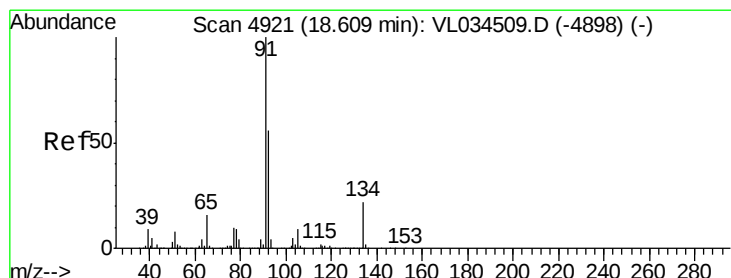
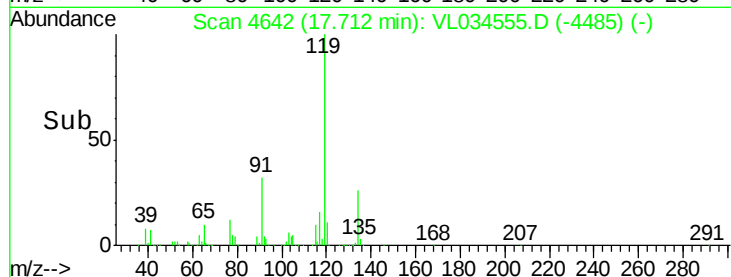
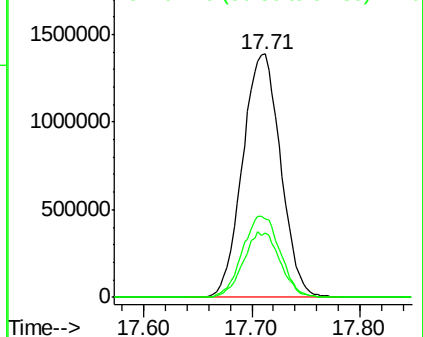
91 33.4 26.6 39.8



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 8.030 ppbv

RT: 18.61 min Scan# 4920

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

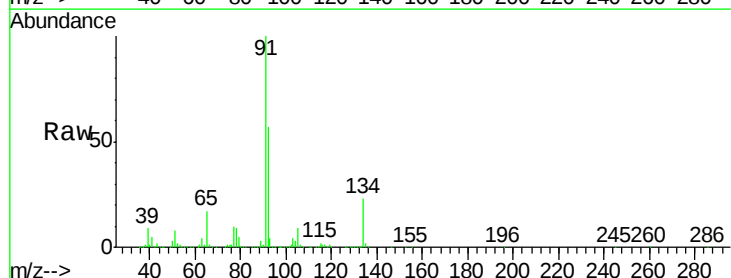
Tgt Ion: 91 Resp: 3591289

Ion Ratio Lower Upper

91 100

92 54.3 43.8 65.6

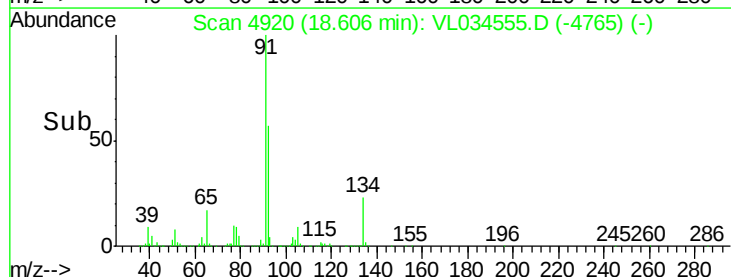
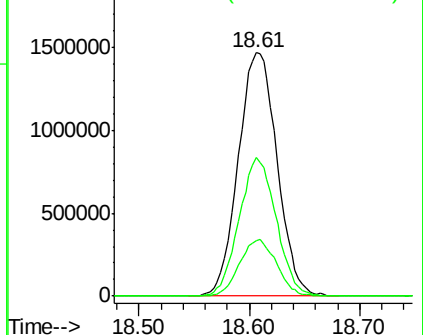
134 22.2 18.0 27.0

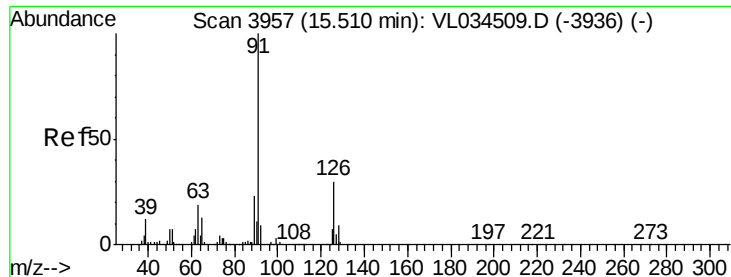


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.035 ppbv

RT: 15.51 min Scan# 3956

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

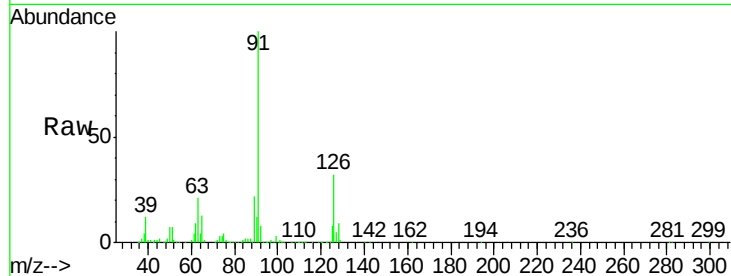
VSTDCCC010EC

Tgt Ion: 91 Resp: 2513208

Ion Ratio Lower Upper

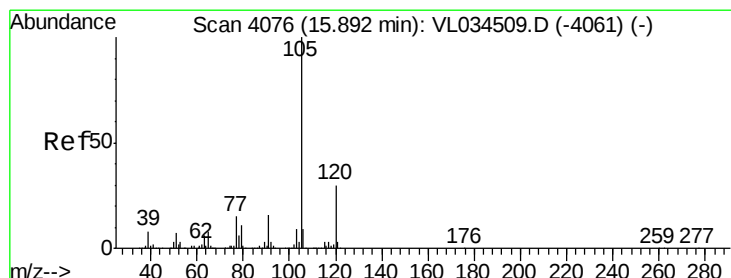
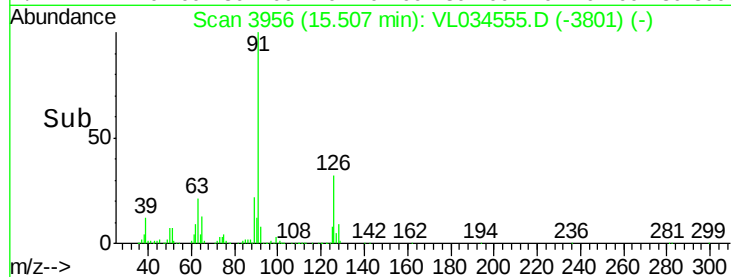
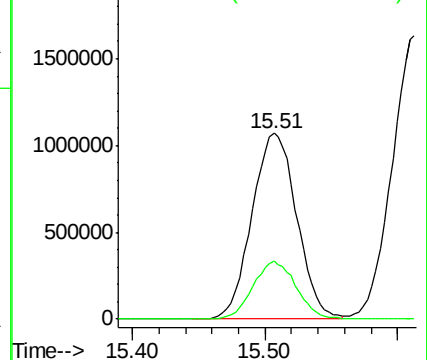
91 100

126 30.4 12.0 47.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.976 ppbv

RT: 15.89 min Scan# 4075

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Tgt Ion: 105 Resp: 2748353

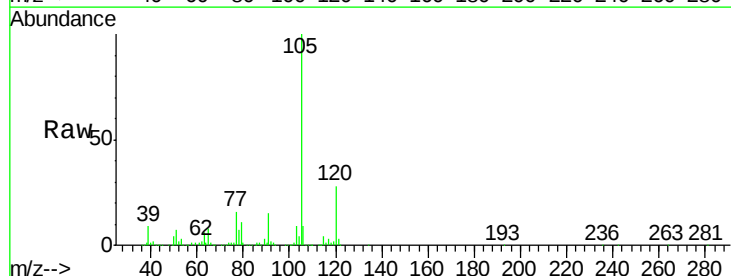
Ion Ratio Lower Upper

105 100

120 28.9 23.7 35.5

91 14.4 11.5 17.3

77 16.7 12.7 19.1

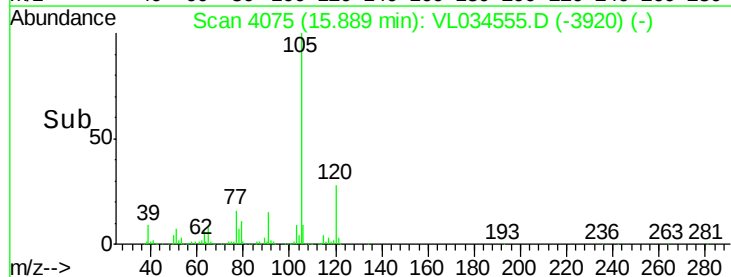
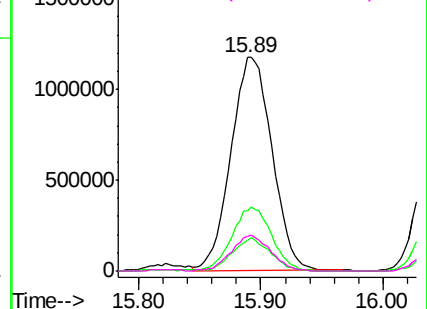


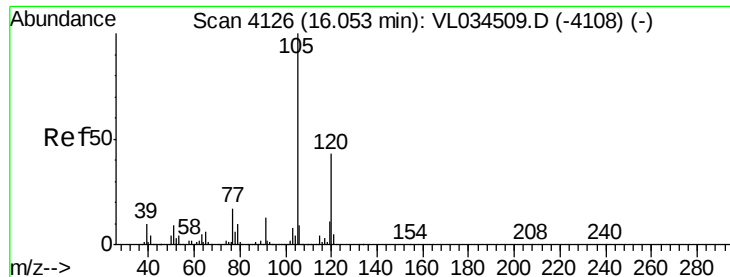
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.929 ppbv

RT: 16.05 min Scan# 4125

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

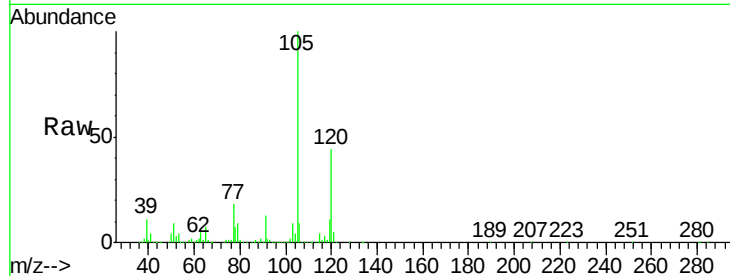
VSTDCCC010EC

Tgt Ion:105 Resp: 2680360

Ion Ratio Lower Upper

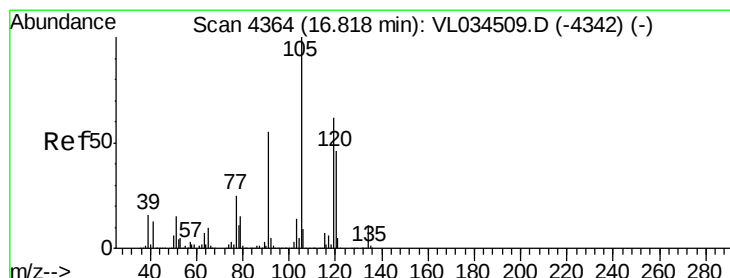
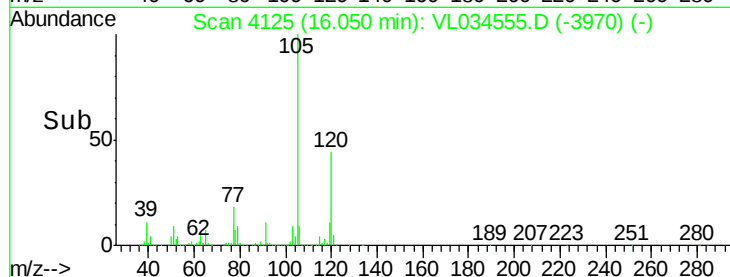
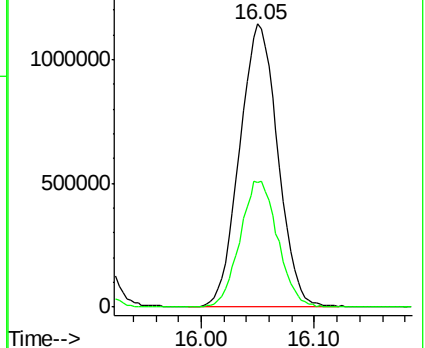
105 100

120 44.2 34.6 52.0



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: 7.871 ppbv

RT: 16.82 min Scan# 4364

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Tgt Ion:105 Resp: 2846205

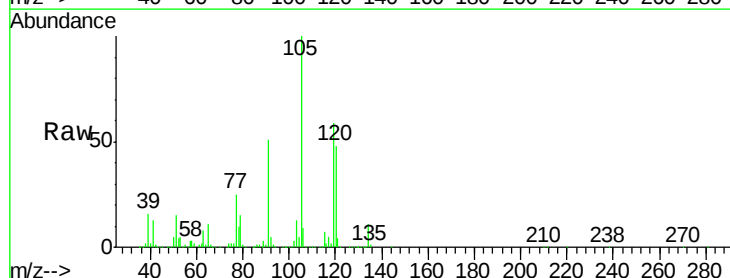
Ion Ratio Lower Upper

105 100

120 48.0 36.7 55.1

91 50.8 44.0 66.0

77 24.9 19.9 29.9

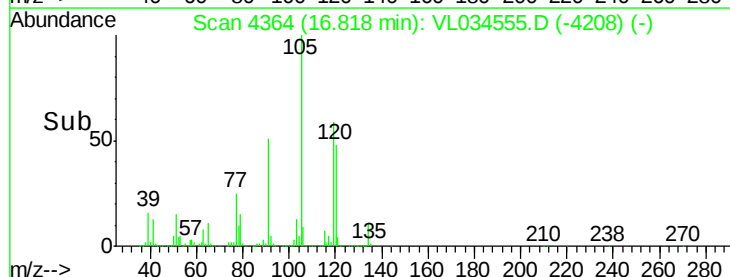
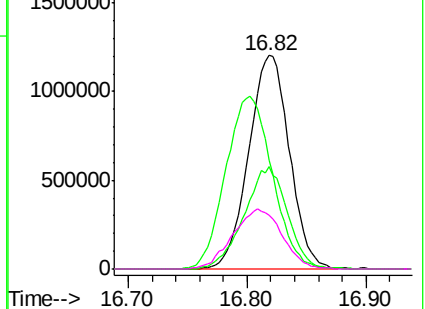


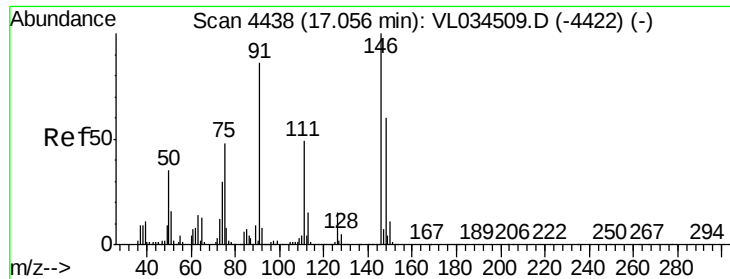
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.342 ppbv

RT: 17.06 min Scan# 4438

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

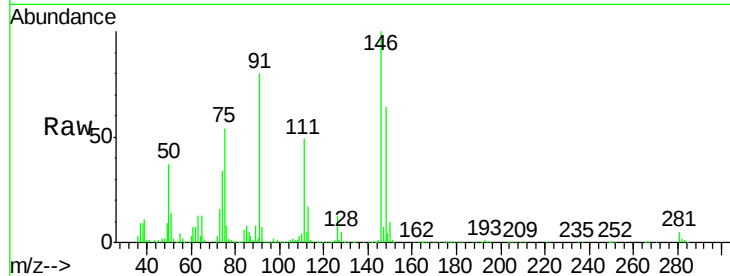
Tgt Ion:146 Resp: 1590229

Ion Ratio Lower Upper

146 100

111 49.7 25.1 75.3

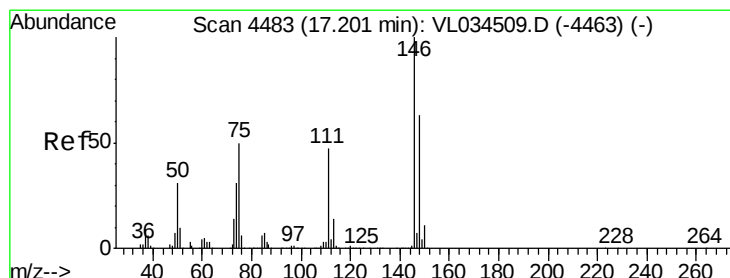
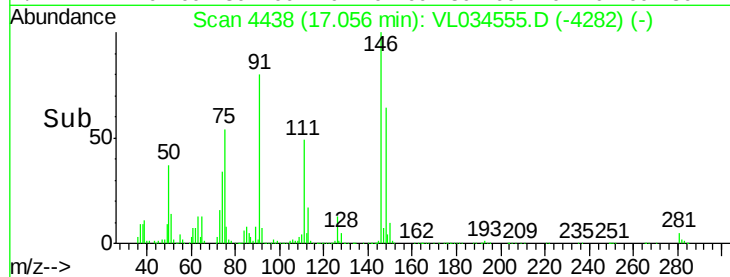
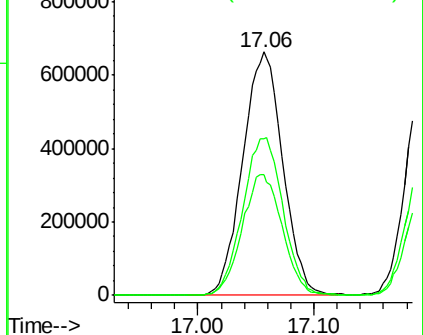
148 65.1 33.0 99.0



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: 7.578 ppbv

RT: 17.20 min Scan# 4482

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

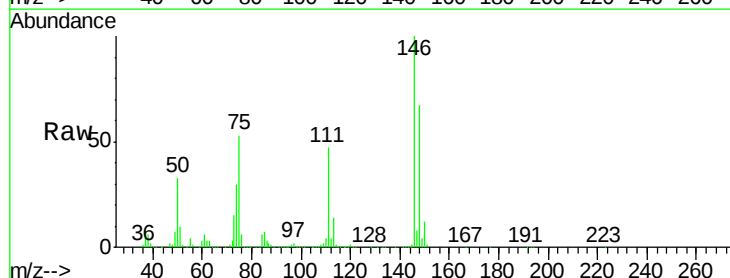
Tgt Ion:146 Resp: 1580200

Ion Ratio Lower Upper

146 100

111 47.6 23.5 70.6

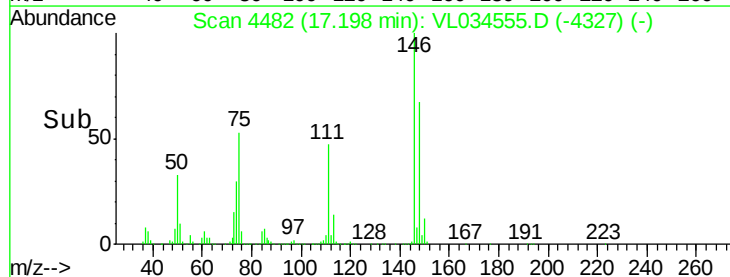
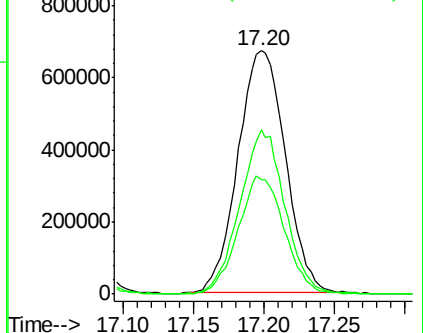
148 64.4 32.1 96.3

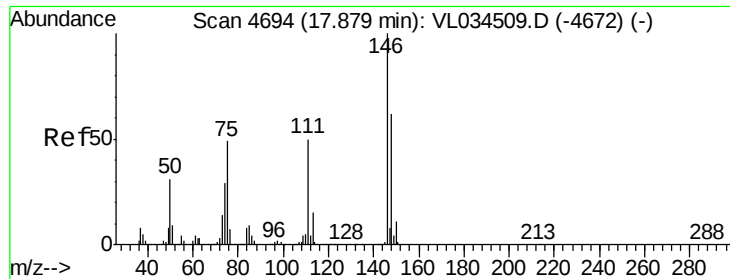


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.651 ppbv

RT: 17.88 min Scan# 4694

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

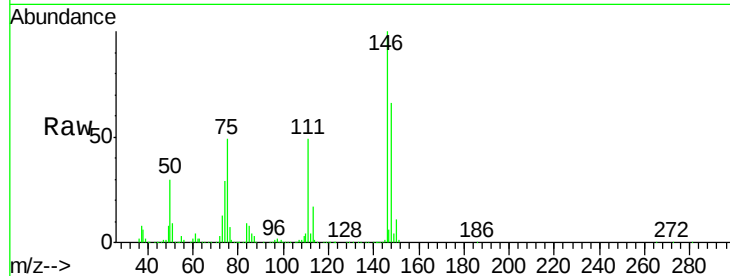
Tgt Ion:146 Resp: 1557369

Ion Ratio Lower Upper

146 100

111 50.4 25.3 75.8

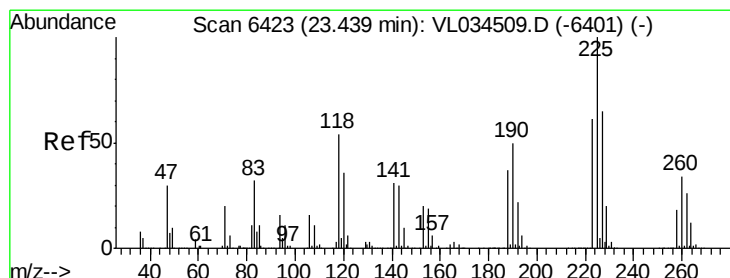
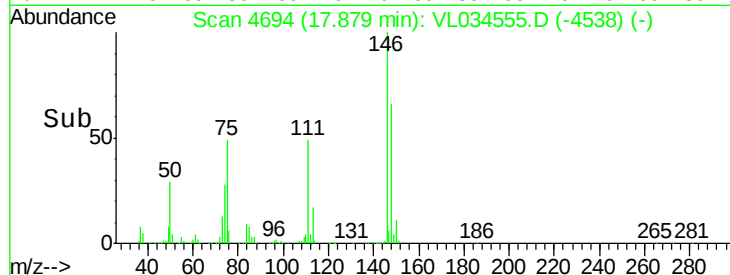
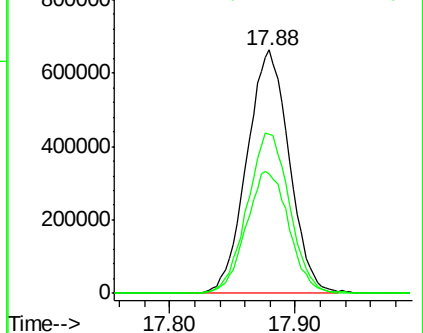
148 65.9 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.663 ppbv

RT: 23.44 min Scan# 6424

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

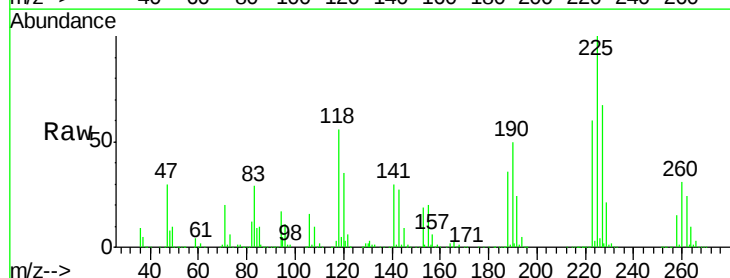
Tgt Ion:225 Resp: 1287360

Ion Ratio Lower Upper

225 100

223 63.8 51.0 76.6

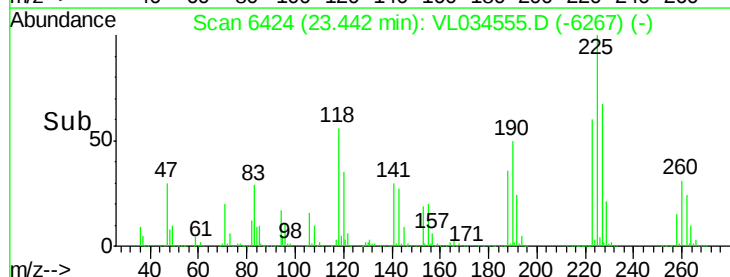
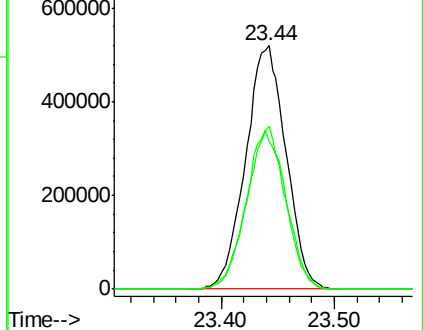
227 64.6 51.8 77.6

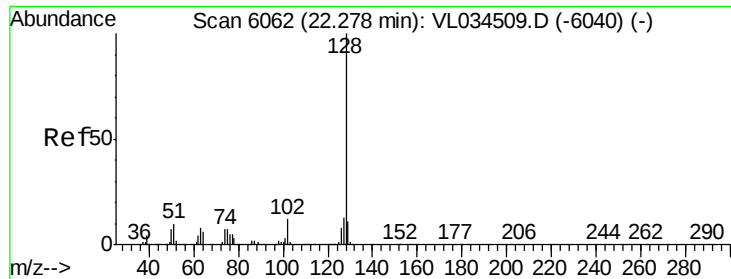


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.340 ppbv

RT: 22.28 min Scan# 6062

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

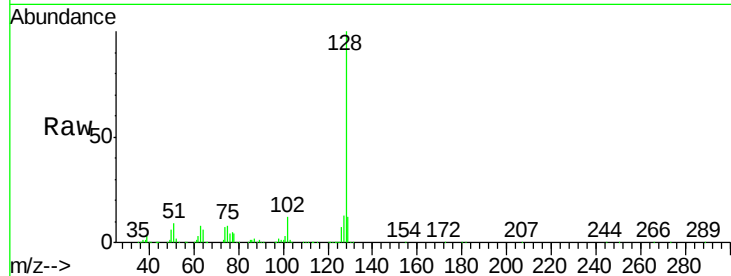
Tgt Ion:128 Resp: 2271517

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

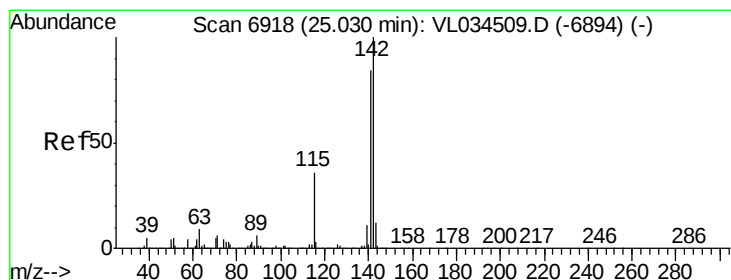
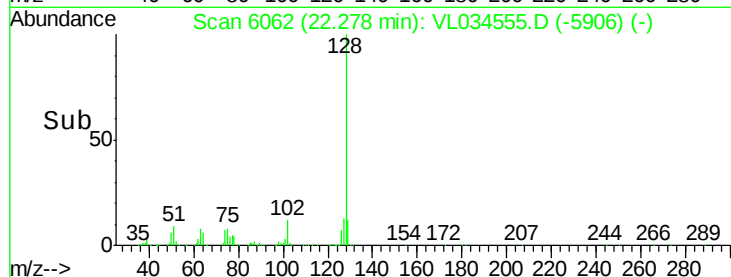
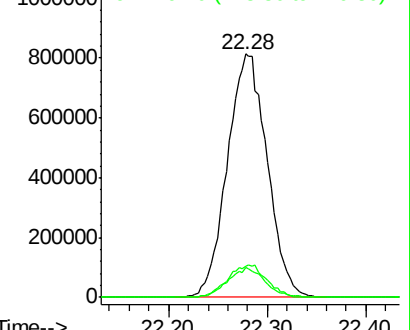
129 12.4 8.7 13.1



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: 8.035 ppbv

RT: 25.03 min Scan# 6918

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

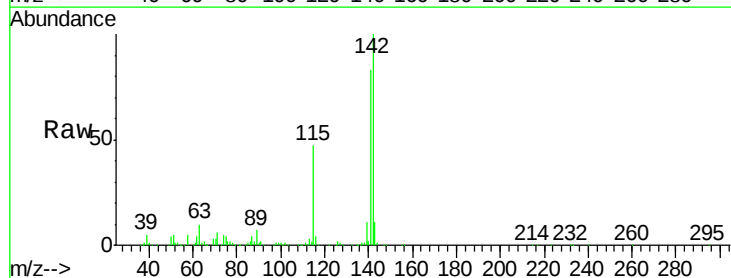
Tgt Ion:142 Resp: 606295

Ion Ratio Lower Upper

142 100

141 85.5 65.8 98.8

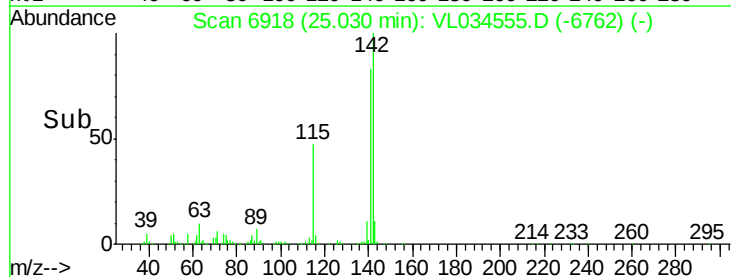
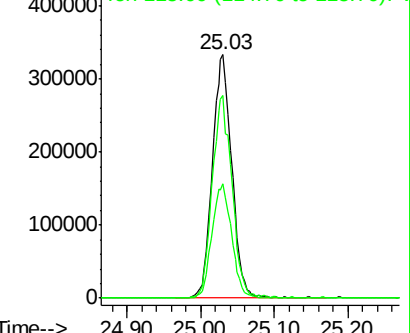
115 47.6 30.4 45.6#

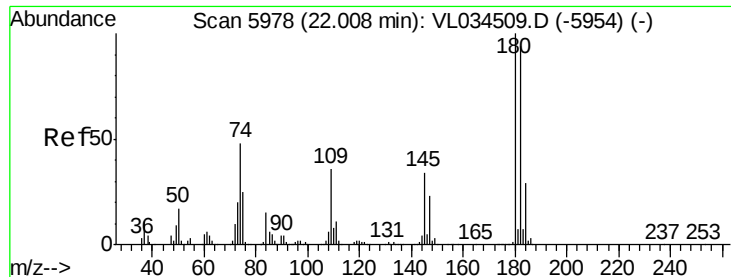


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.498 ppbv
 RT: 22.01 min Scan# 5978
 Delta R.T. 0.00 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1329792
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.8 116.8
 184 31.3 25.2 37.8

