

Data File : VL035408.D
Acq On : 13 Aug 2020 19:41
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010EC

Quant Time: Aug 14 04:30:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 20:32:44 2020
QLast Update : Wed Aug 12 20:32:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1402736	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3246739	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3937359	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2660127	8.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1654871	9.796	ppbv	98
3) Chlorodifluoromethane	2.98	51	1569500	9.624	ppbv	97
4) Chloromethane	3.13	50	853886	9.369	ppbv	98
5) Vinyl Chloride	3.25	62	806803	8.956	ppbv	97
6) Bromomethane	3.47	94	479412	9.598	ppbv	96
7) Chloroethane	3.55	64	292067	9.192	ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	1837334	9.370	ppbv	95
9) Propene	3.00	41	738135	8.737	ppbv	100
10) Heptane	8.13	43	1939679	8.864	ppbv	99
11) Trichlorofluoromethane	3.95	101	1971450	9.623	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1299851	9.324	ppbv	94
13) Ethanol	3.60	45	176951	6.387	ppbv	98
14) Bromoethene	3.74	108	585830	9.405	ppbv	99
15) Acetone	3.85	43	1462157	8.276	ppbv	99
16) 1,3-Butadiene	3.32	39	765925	8.443	ppbv	99
17) tert-Butyl alcohol	4.29	59	1692199	8.211	ppbv	99
18) 1,1-Dichloroethene	4.29	96	598198	9.366	ppbv	97
19) Isopropyl Alcohol	3.97	45	1182725	8.578	ppbv #	46
20) Methylene Chloride	4.34	84	538518	8.072	ppbv	100
21) Allyl Chloride	4.41	41	1021903	8.809	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	607513	9.468	ppbv	94
23) Vinyl Acetate	5.08	43	2456617	8.710	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1736518	9.349	ppbv	100
25) Ethyl Acetate	5.68	43	3127445	8.576	ppbv	99
26) Hexane	5.69	57	1377026	8.629	ppbv	99
27) Carbon Disulfide	4.55	76	1556051	9.134	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2279642	8.652	ppbv	99
29) Chloroform	5.76	83	2206470	9.689	ppbv	98
30) Cyclohexane	7.14	84	1192886	9.070	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1484753	9.384	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2174521	8.754	ppbv	99
34) 2-Butanone	5.25	43	2137368	9.238	ppbv	99
35) Carbon Tetrachloride	7.02	117	2137573	9.471	ppbv	95
36) Benzene	6.90	78	2854017	9.167	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1739721	10.067	ppbv	98
38) Trichloroethene	7.84	130	1001727	8.210	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1163566	9.438	ppbv	94
40) 1,4-Dioxane	7.84	88	454512	9.052	ppbv	98
41) Tetrahydrofuran	6.05	42	1286760	9.322	ppbv	99
42) Bromodichloromethane	7.80	83	2399365	9.856	ppbv	98
43) Methyl Methacrylate	8.02	69	1311465	9.495	ppbv	99

Data File : VL035408.D
Acq On : 13 Aug 2020 19:41
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

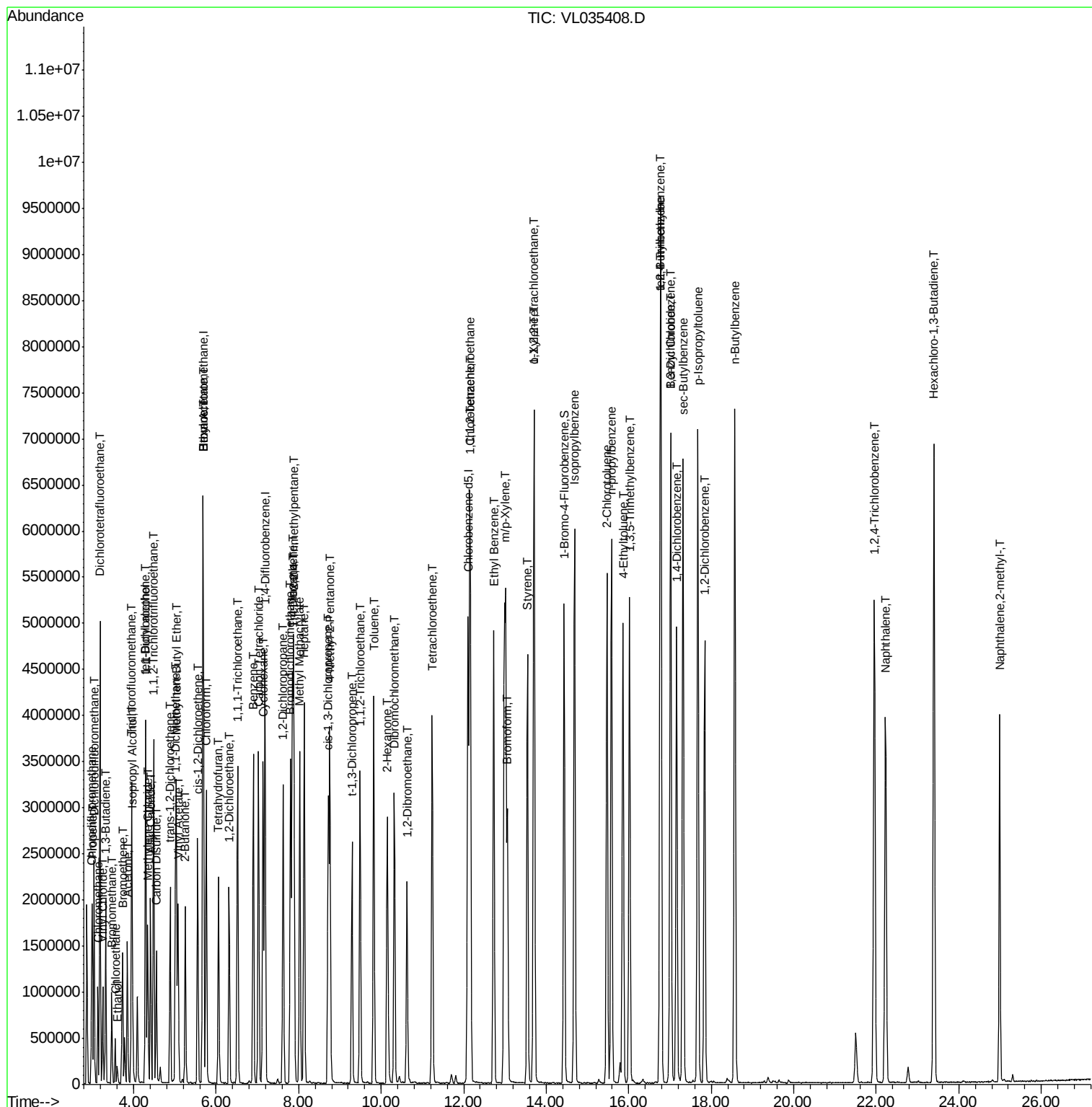
Quant Time: Aug 14 04:30:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 20:32:44 2020
QLast Update : Wed Aug 12 20:32:44 2020
Response via : Initial Calibration

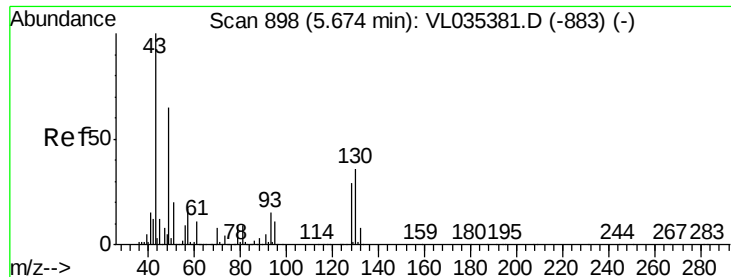
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4792104	8.948	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1550537	9.675	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1756574	9.385	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1188833	9.508	ppbv	98
48) Dibromochloromethane	10.32	129	1877388	9.394	ppbv	100
49) Bromoform	13.06	173	1557668	9.507	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3164899	9.076	ppbv	100
51) 2-Hexanone	10.15	43	2739926	9.333	ppbv #	99
52) Tetrachloroethene	11.24	164	907089	8.216	ppbv	99
53) Toluene	9.82	91	3327266	9.003	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1826146	9.222	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1409379	7.366	ppbv	96
57) Chlorobenzene	12.16	112	2383382	7.101	ppbv	98
58) Ethyl Benzene	12.73	91	4532060	7.283	ppbv	99
59) m/p-Xylene	13.01	91	3805135	7.332	ppbv #	37
60) o-Xylene	13.71	91	3635856	7.235	ppbv	99
61) Styrene	13.55	104	2725864	7.348	ppbv	98
62) Isopropylbenzene	14.69	105	5334588	7.077	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	2588366	7.061	ppbv	99
64) n-propylbenzene	15.58	120	1432848	7.206	ppbv	91
65) tert-Butylbenzene	16.77	119	4548960	6.855	ppbv	96
66) Benzyl Chloride	17.01	91	1966002	6.560	ppbv	97
67) sec-Butylbenzene	17.32	105	6703781	7.008	ppbv	98
69) p-Isopropyltoluene	17.68	119	5532076	6.938	ppbv	98
70) n-Butylbenzene	18.57	91	6288514	7.123	ppbv	99
71) 2-Chlorotoluene	15.47	91	4437288	7.313	ppbv	98
72) 4-Ethyltoluene	15.86	105	4421863	7.209	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	4140265	7.199	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	4218437	6.974	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	2301945	6.974	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2389323	7.047	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	2351387	7.066	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	934637	3.406	ppbv #	22
79) Naphthalene	22.23	128	4989647	6.623	ppbv	98
80) Naphthalene,2-methyl-	24.99	142	2125186	6.058	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	2348407	6.586	ppbv	99

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

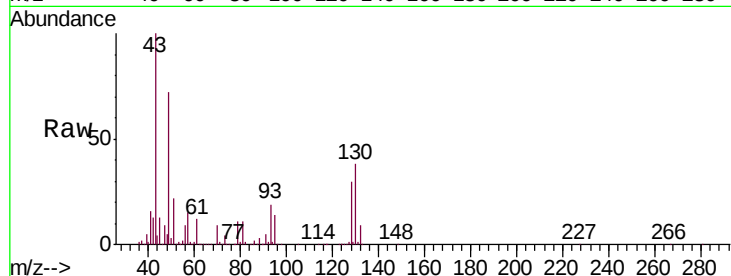
Tgt Ion: 49 Resp: 1402736

Ion Ratio Lower Upper

49 100

128 42.1 21.8 65.3

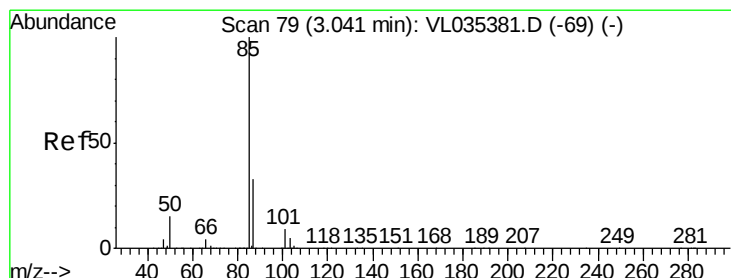
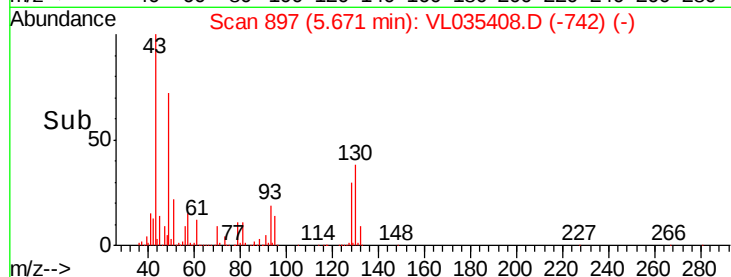
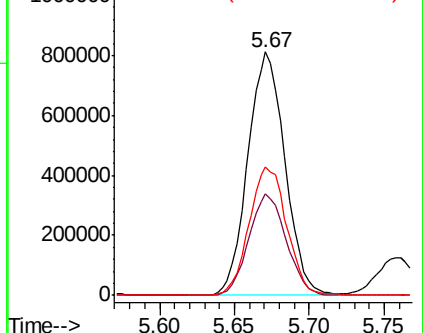
130 53.7 27.9 83.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.796 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL035408.D

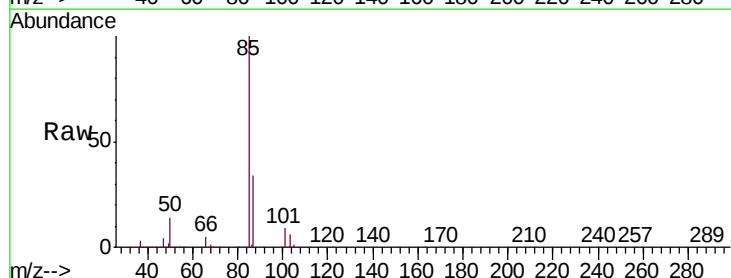
Acq: 13 Aug 2020 19:41

Tgt Ion: 85 Resp: 1654871

Ion Ratio Lower Upper

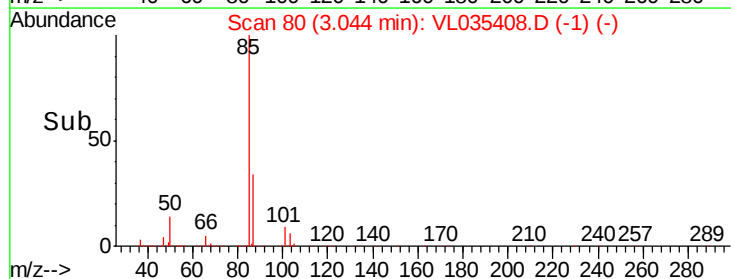
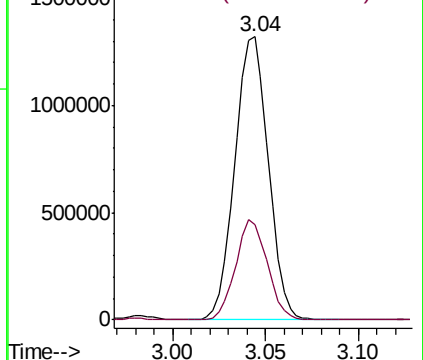
85 100

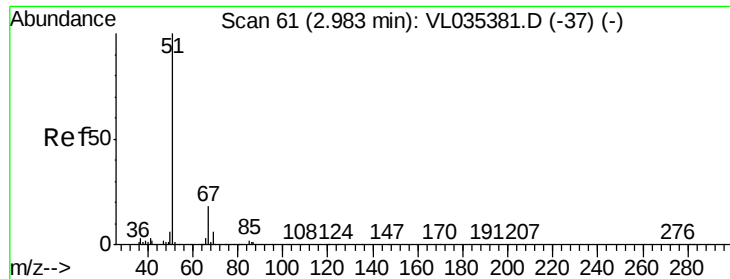
87 33.5 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.624 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

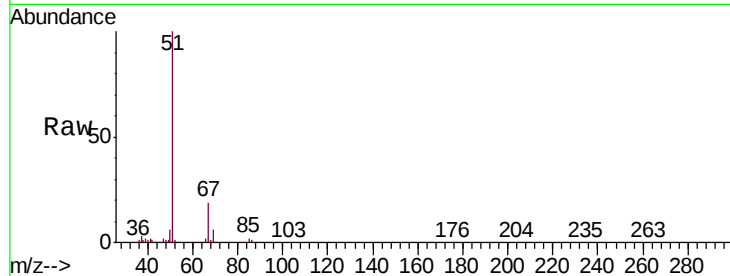
VSTDCCC010EC

Tgt Ion: 51 Resp: 1569500

Ion Ratio Lower Upper

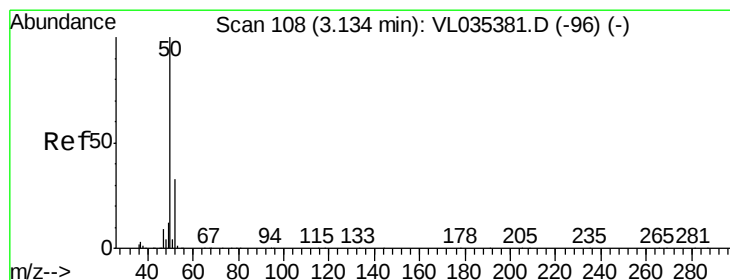
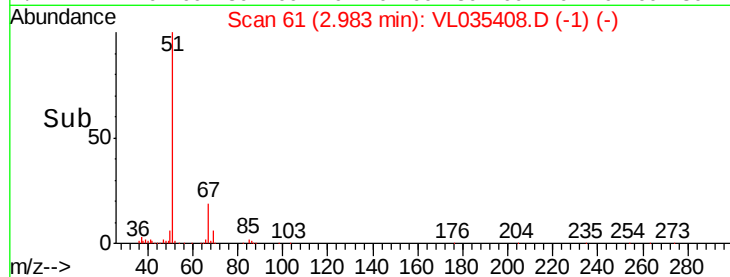
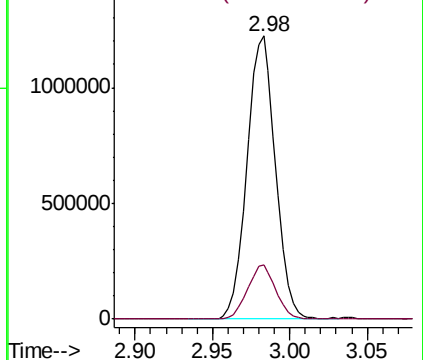
51 100

67 18.8 14.1 21.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.369 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL035408.D

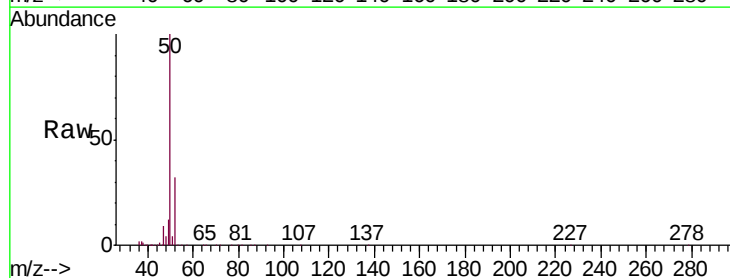
Acq: 13 Aug 2020 19:41

Tgt Ion: 50 Resp: 853886

Ion Ratio Lower Upper

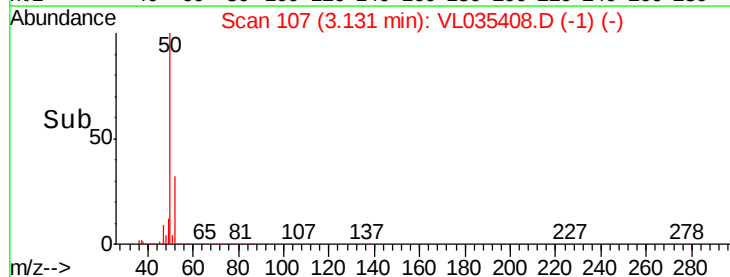
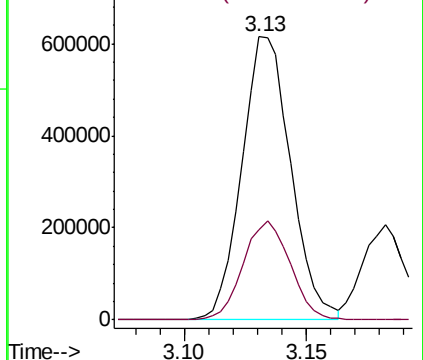
50 100

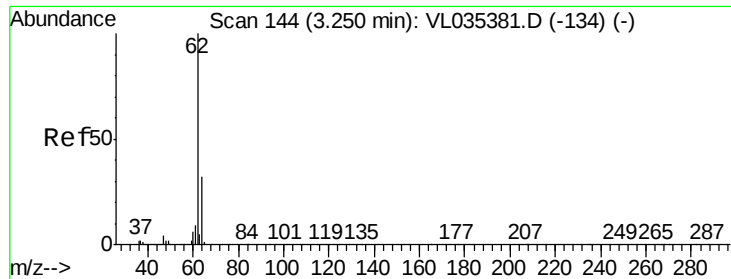
52 31.9 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.956 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

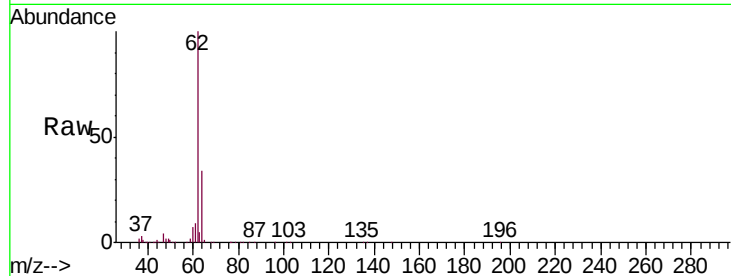
VSTDCCC010EC

Tgt Ion: 62 Resp: 806803

Ion Ratio Lower Upper

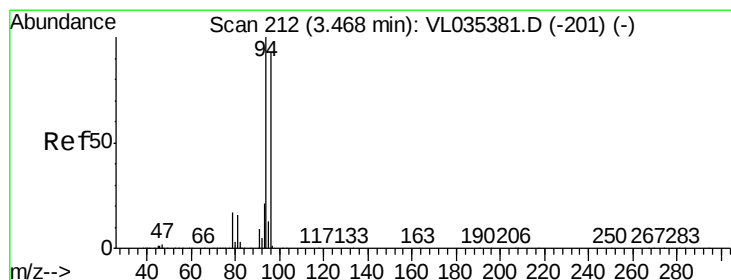
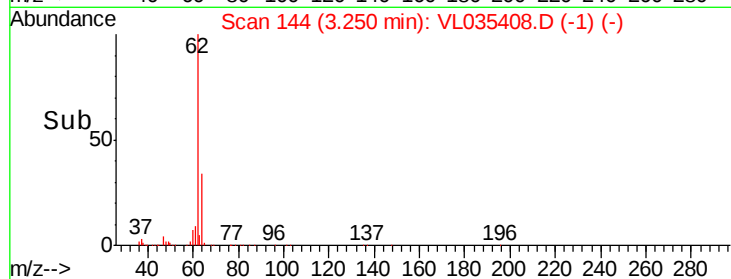
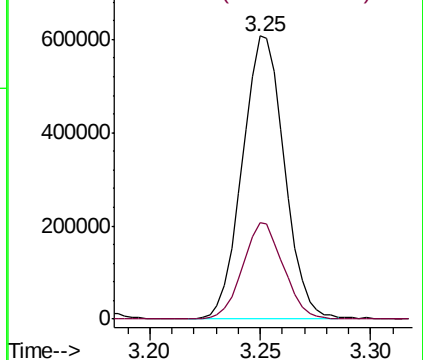
62 100

64 34.0 25.7 38.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.598 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL035408.D

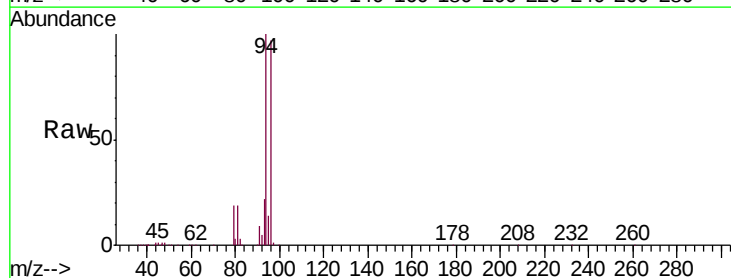
Acq: 13 Aug 2020 19:41

Tgt Ion: 94 Resp: 479412

Ion Ratio Lower Upper

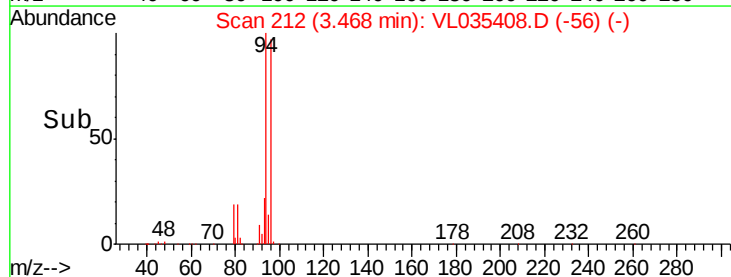
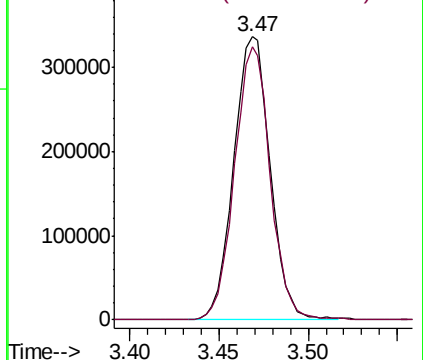
94 100

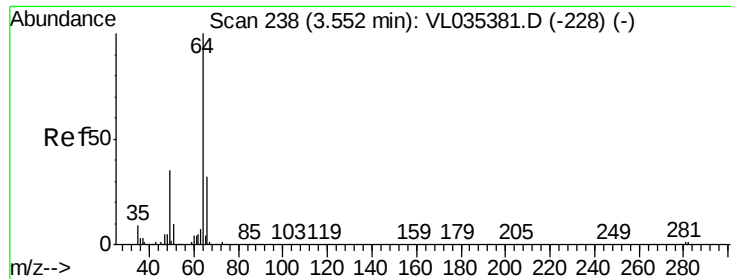
96 96.6 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.192 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

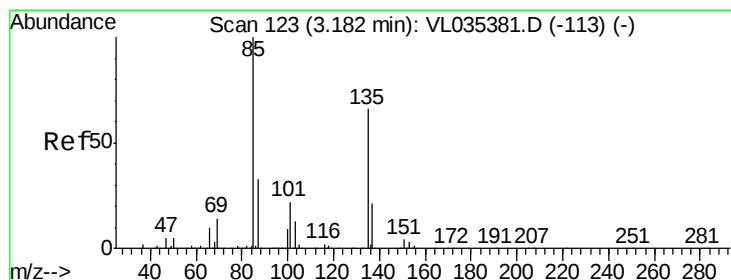
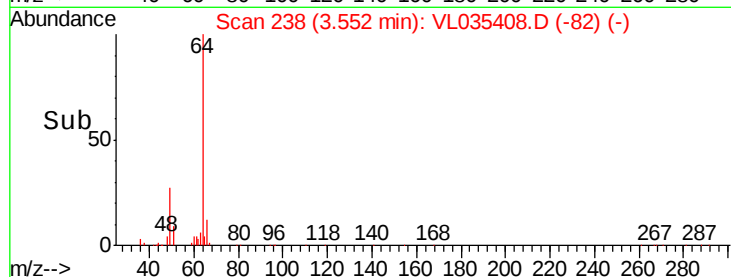
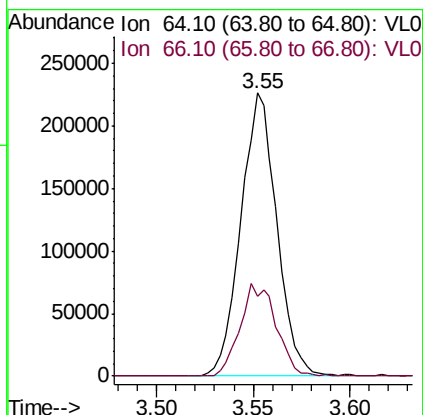
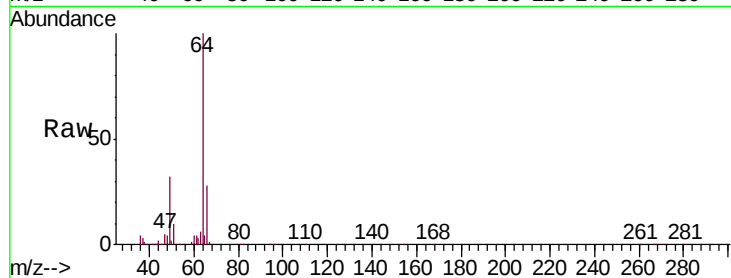
VSTDCCC010EC

Tgt Ion: 64 Resp: 292067

Ion Ratio Lower Upper

64 100

66 28.4 25.7 38.5



#8

Dichlorotetrafluoroethane

Concen: 9.370 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL035408.D

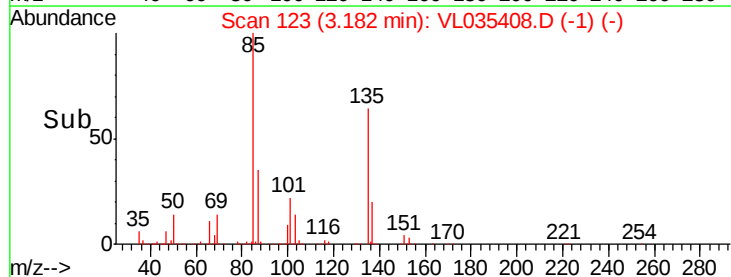
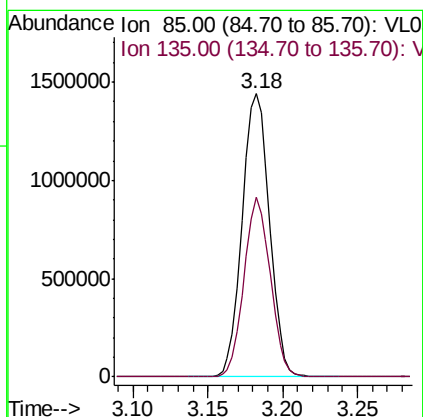
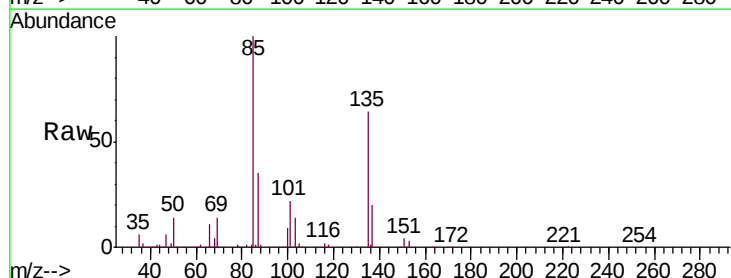
Acq: 13 Aug 2020 19:41

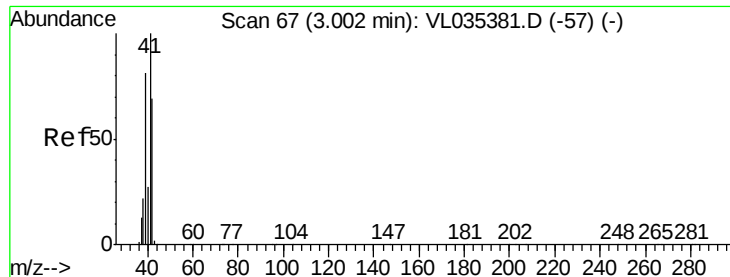
Tgt Ion: 85 Resp: 1837334

Ion Ratio Lower Upper

85 100

135 61.3 52.5 78.7





#9

Propene

Concen: 8.737 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

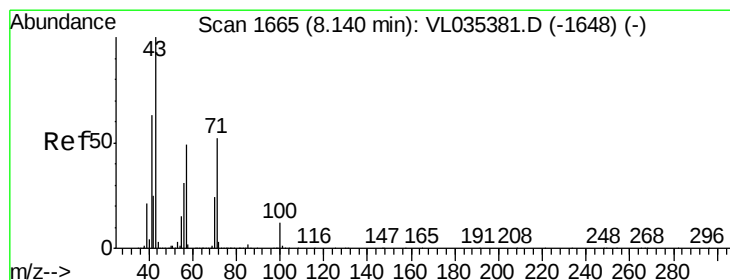
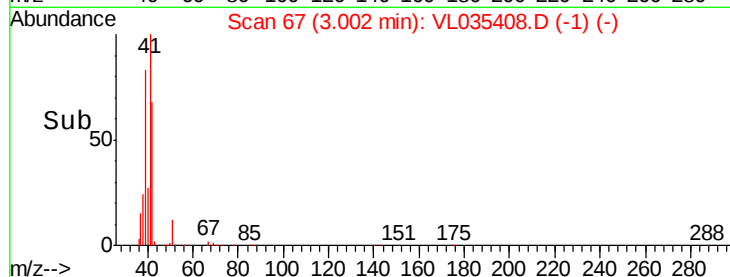
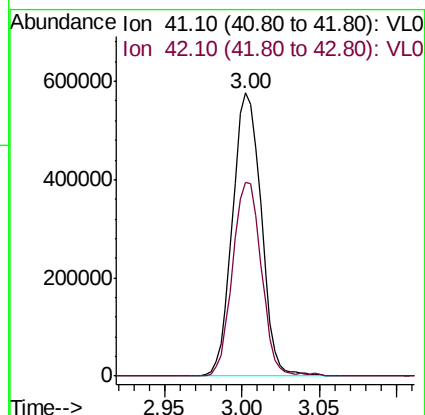
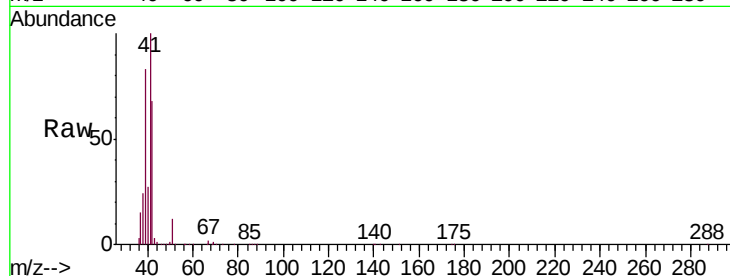
VSTDCCC010EC

Tgt Ion: 41 Resp: 738135

Ion Ratio Lower Upper

41 100

42 69.3 55.4 83.2



#10

Heptane

Concen: 8.864 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.01 min

Lab File: VL035408.D

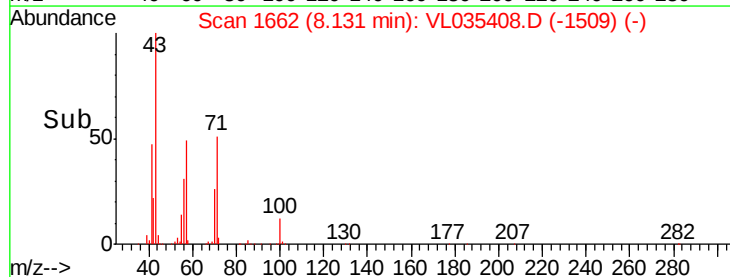
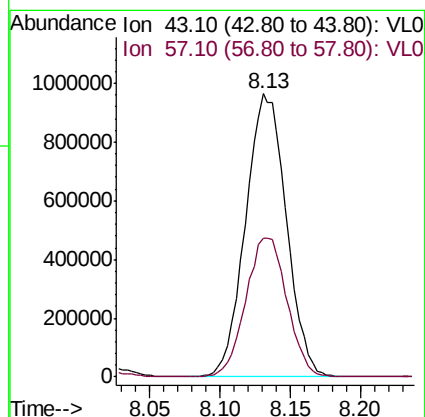
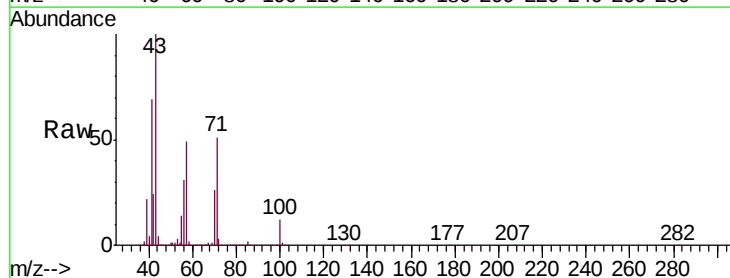
Acq: 13 Aug 2020 19:41

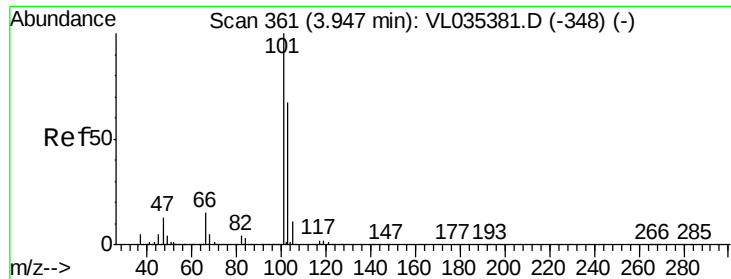
Tgt Ion: 43 Resp: 1939679

Ion Ratio Lower Upper

43 100

57 49.8 39.4 59.2

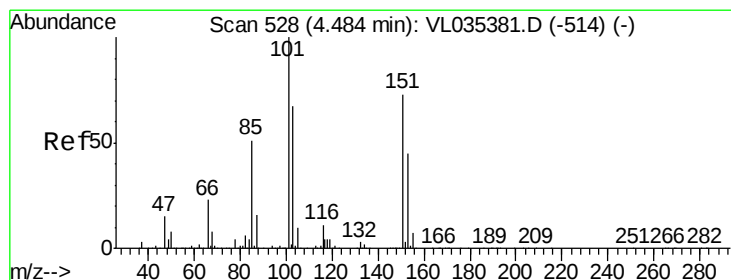
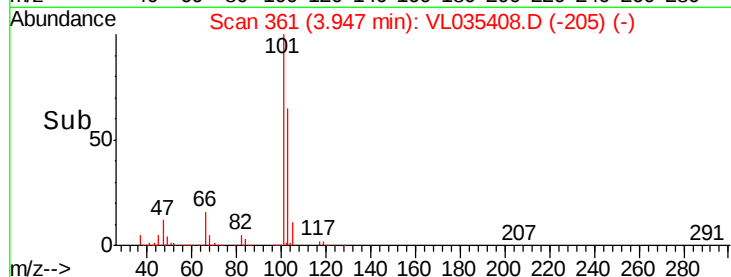
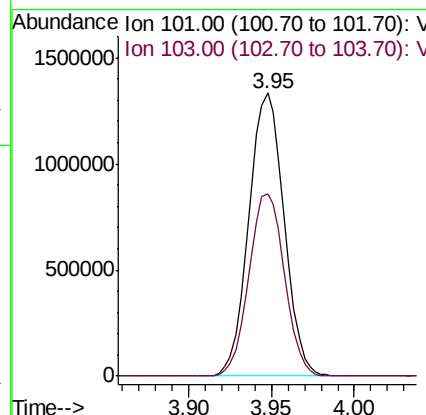
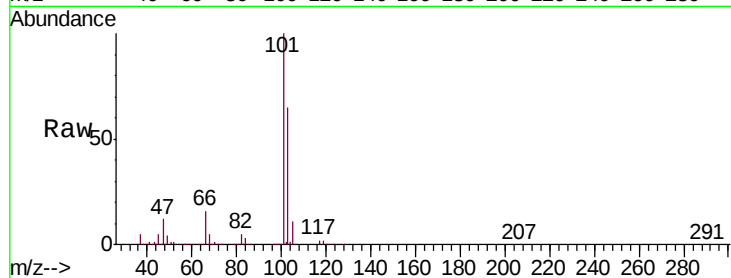




#11
 Trichlorofluoromethane
 Concen: 9.623 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

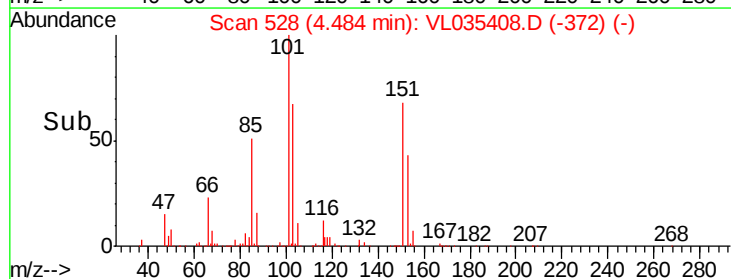
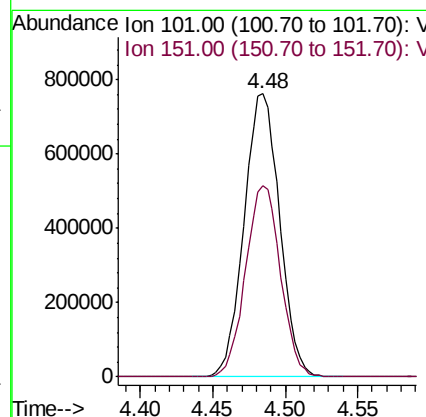
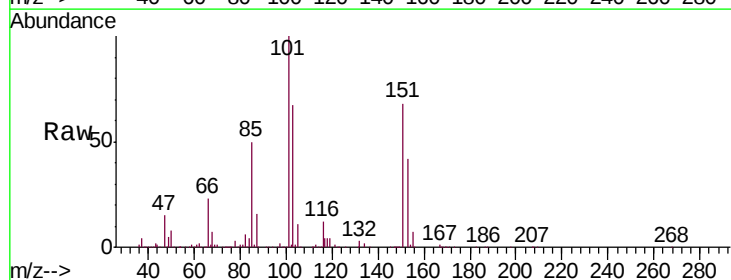
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

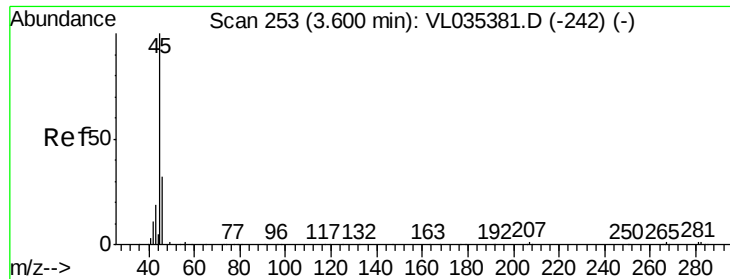
Tgt Ion:101 Resp: 1971450
 Ion Ratio Lower Upper
 101 100
 103 64.6 53.3 79.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.324 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Tgt Ion:101 Resp: 1299851
 Ion Ratio Lower Upper
 101 100
 151 66.7 57.0 85.6





#13

Ethanol

Concen: 6.387 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

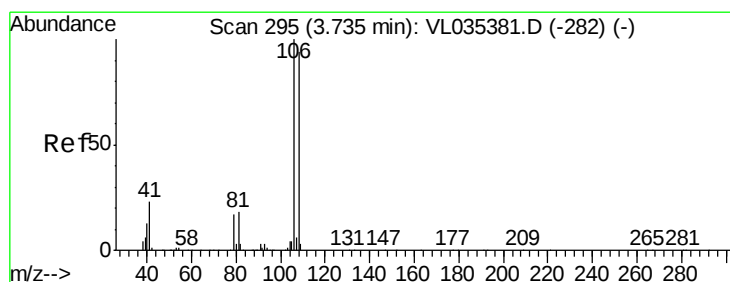
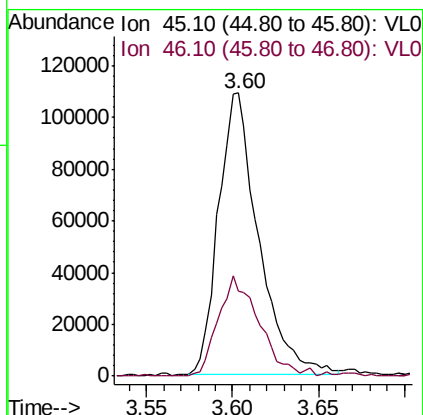
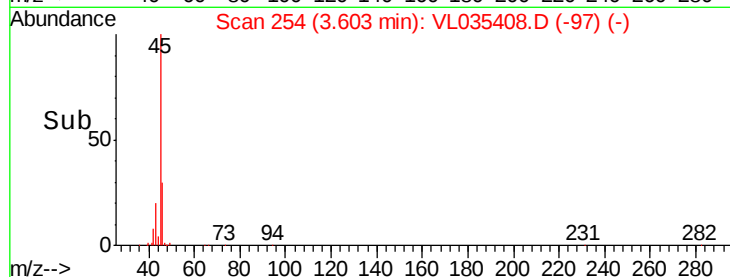
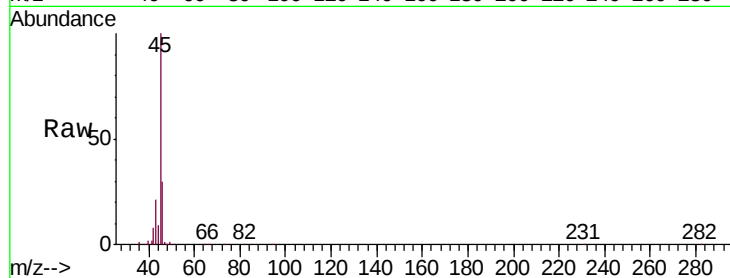
VSTDCCC010EC

Tgt Ion: 45 Resp: 176951

Ion Ratio Lower Upper

45 100

46 36.1 14.1 56.3



#14

Bromoethene

Concen: 9.405 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

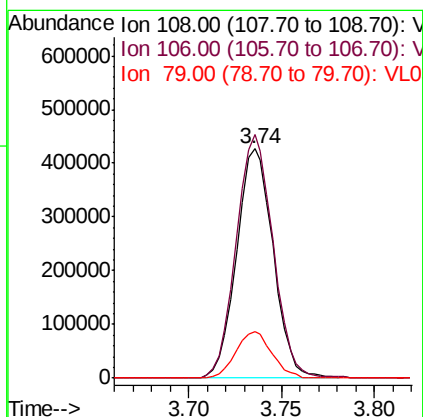
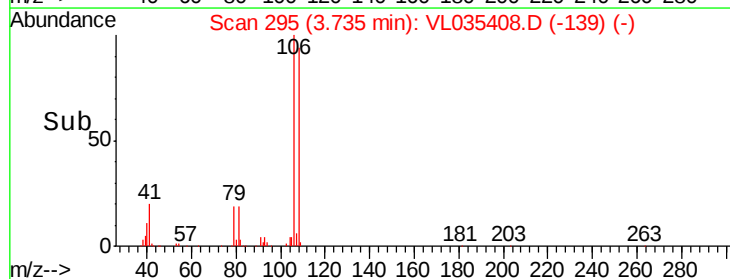
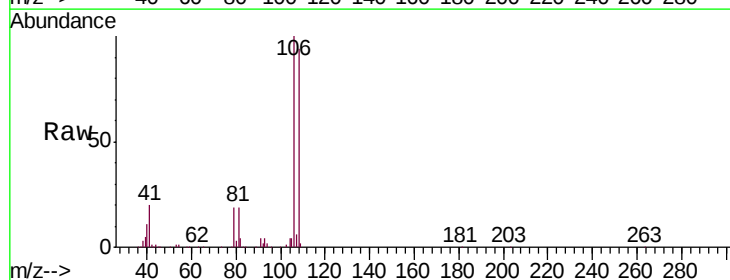
Tgt Ion: 108 Resp: 585830

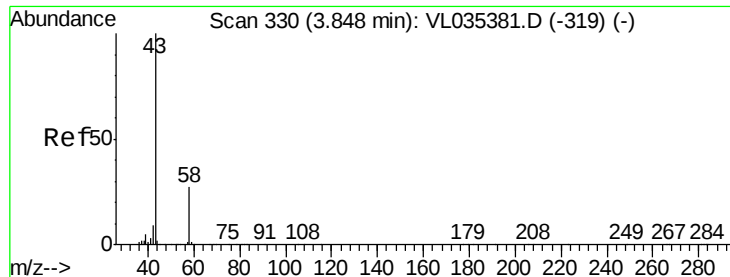
Ion Ratio Lower Upper

108 100

106 107.1 84.9 127.3

79 20.3 15.8 23.8





#15

Acetone

Concen: 8.276 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

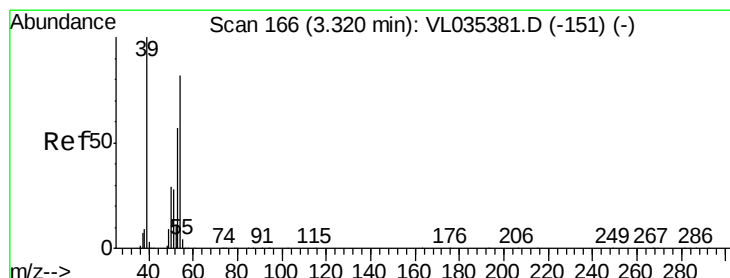
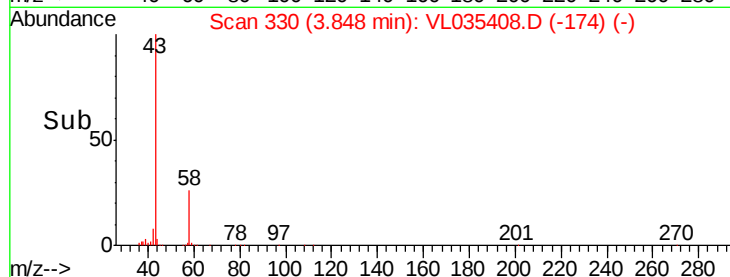
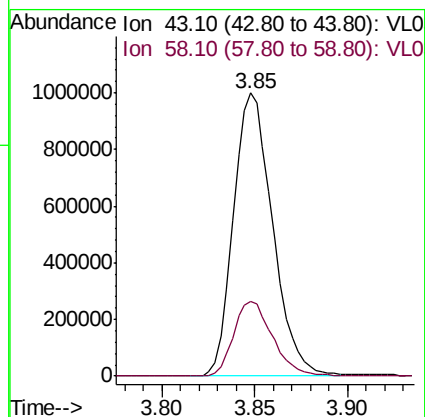
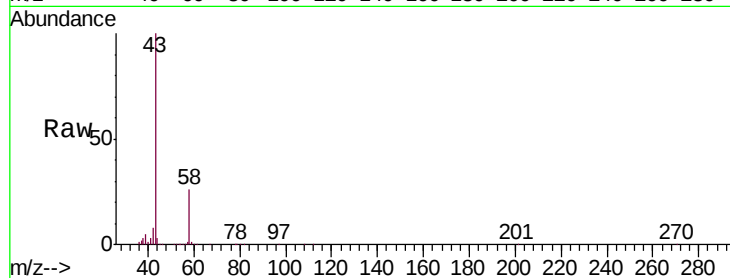
VSTDCCC010EC

Tgt Ion: 43 Resp: 1462157

Ion Ratio Lower Upper

43 100

58 26.6 21.7 32.5



#16

1,3-Butadiene

Concen: 8.443 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL035408.D

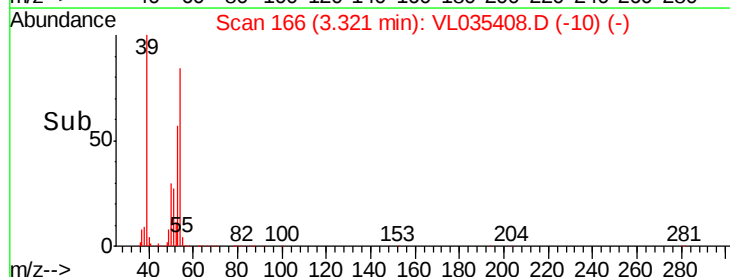
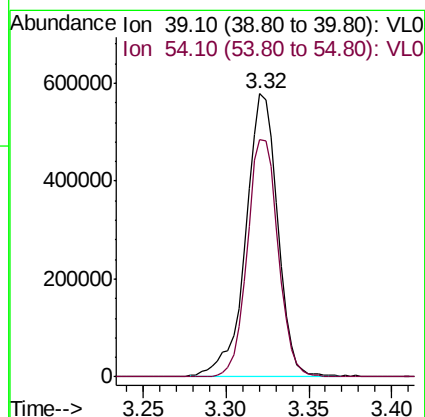
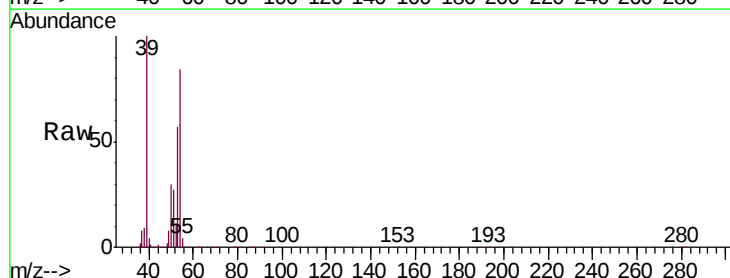
Acq: 13 Aug 2020 19:41

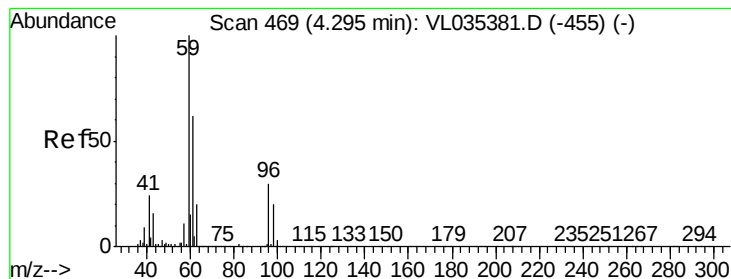
Tgt Ion: 39 Resp: 765925

Ion Ratio Lower Upper

39 100

54 82.2 64.9 97.3



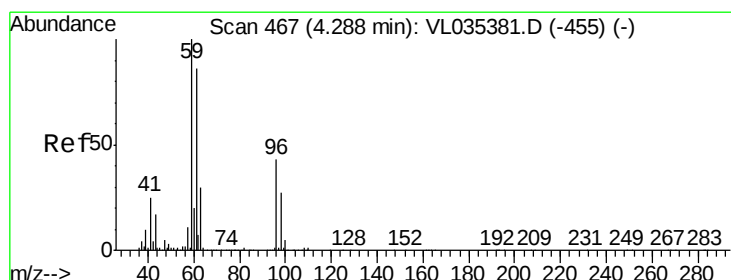
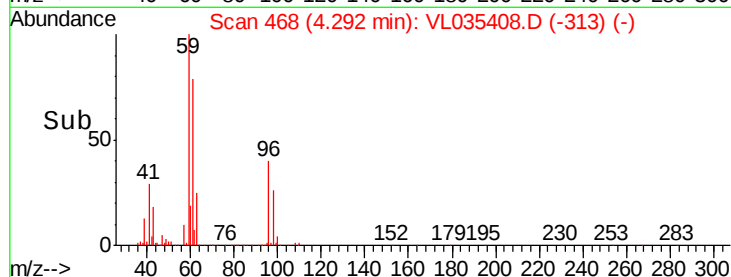
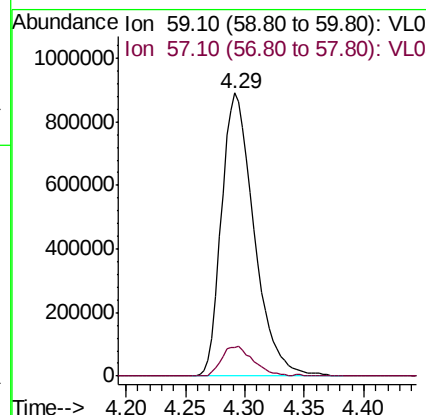
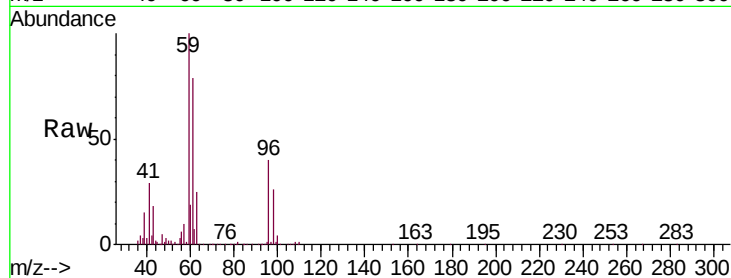


#17

tert-Butyl alcohol
 Concen: 8.211 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

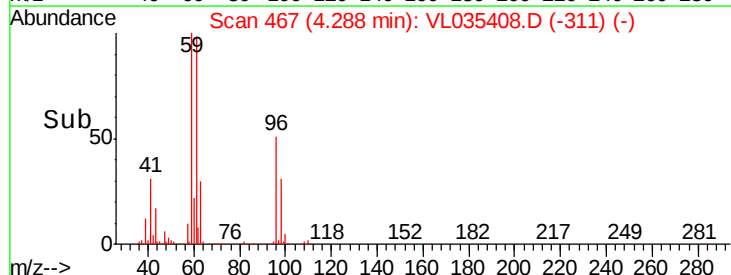
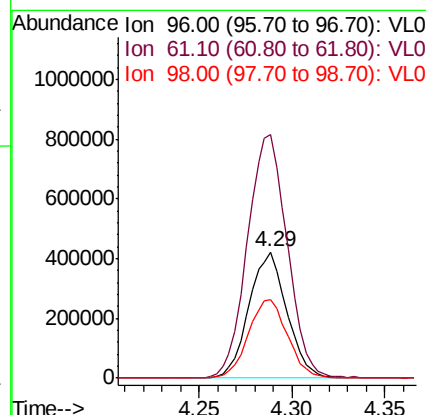
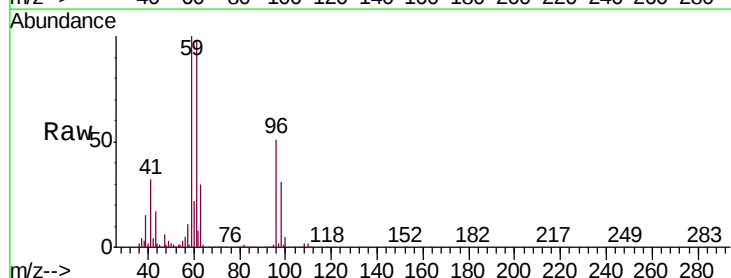
Tgt Ion: 59 Resp: 1692199
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.6 13.0

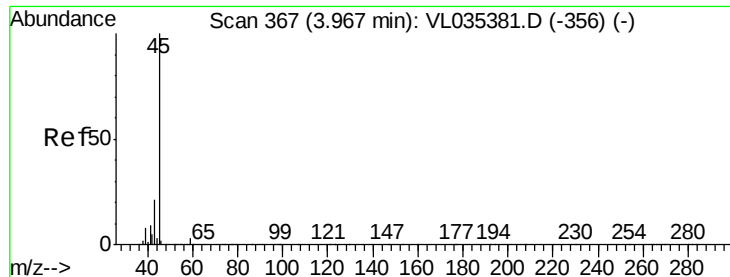


#18

1,1-Dichloroethene
 Concen: 9.366 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Tgt Ion: 96 Resp: 598198
 Ion Ratio Lower Upper
 96 100
 61 193.1 159.0 238.4
 98 62.0 50.3 75.5





#19

Isopropyl Alcohol

Concen: 8.578 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

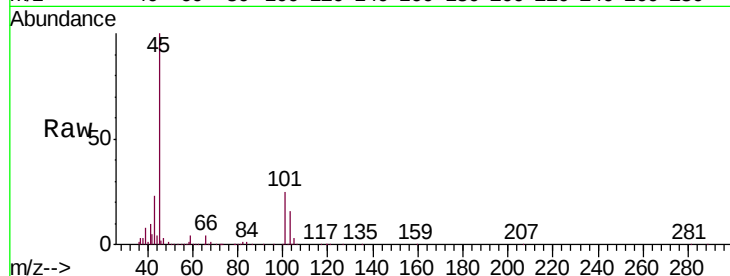
VSTDCCC010EC

Tgt Ion: 45 Resp: 1182725

Ion Ratio Lower Upper

45 100

58 1.4 24.9 37.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

800000

600000

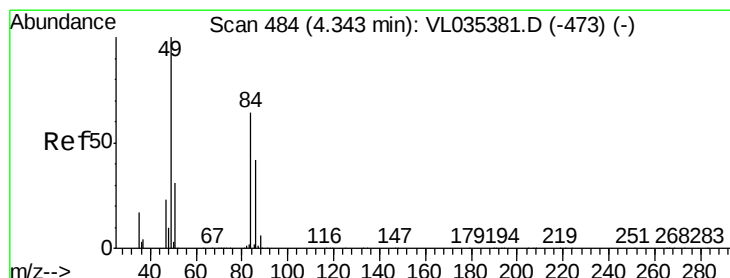
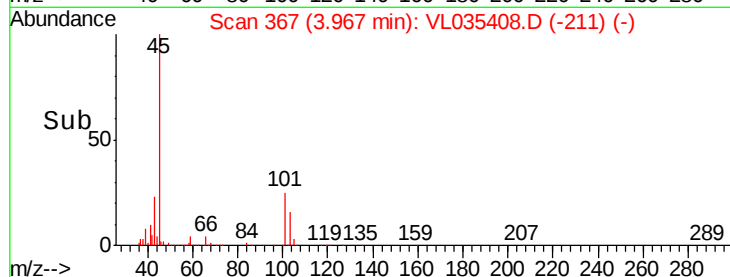
400000

200000

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 8.072 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Tgt Ion: 84 Resp: 538518

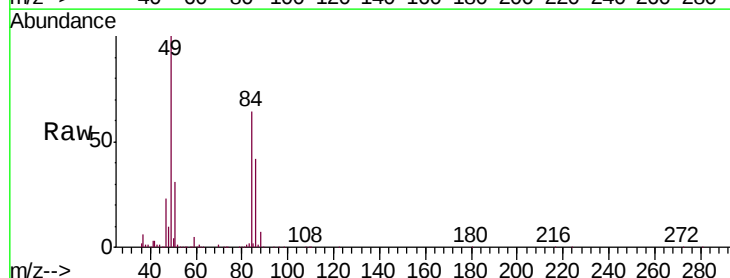
Ion Ratio Lower Upper

84 100

49 156.5 125.7 188.5

51 48.6 38.5 57.7

86 65.5 52.4 78.6



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

600000

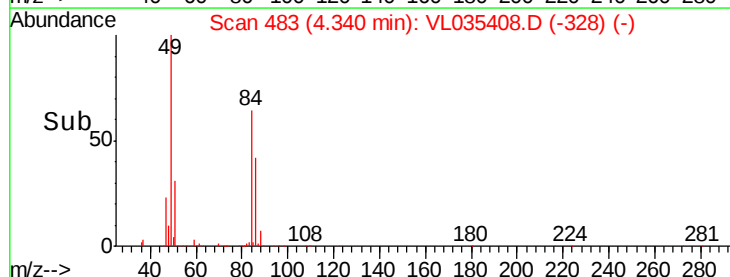
400000

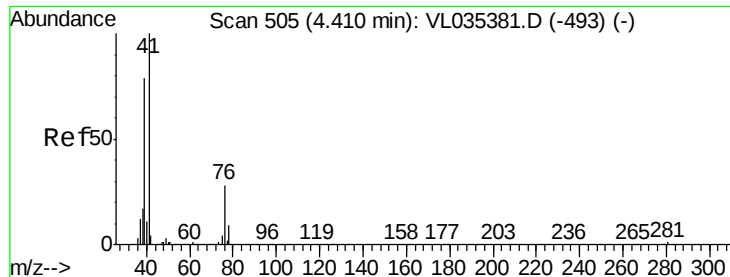
200000

0

4.30 4.35 4.40

Time-->





#21

Allyl Chloride

Concen: 8.809 ppbv

RT: 4.41 min Scan# 505

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

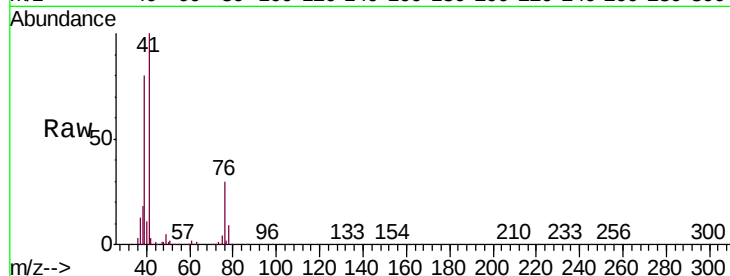
Tgt Ion: 41 Resp: 1021903

Ion Ratio Lower Upper

41 100

76 28.9 22.4 33.6

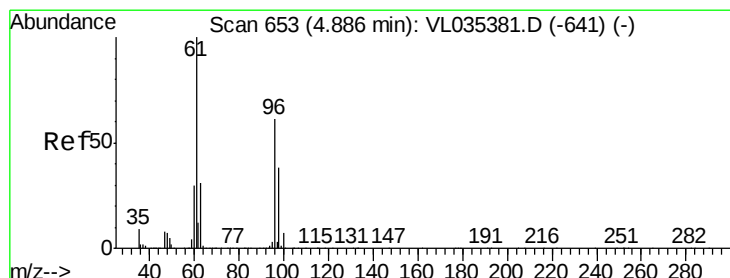
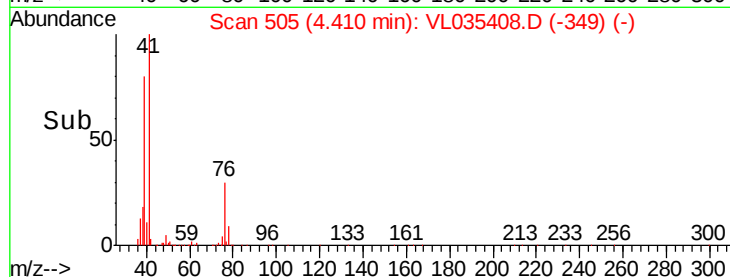
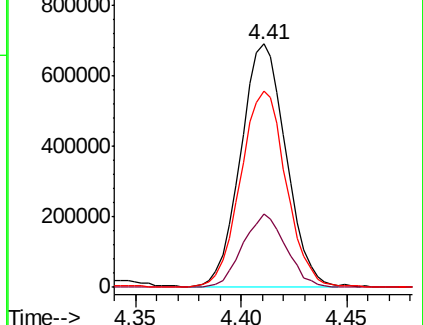
39 81.7 63.0 94.4



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: 9.468 ppbv

RT: 4.88 min Scan# 652

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

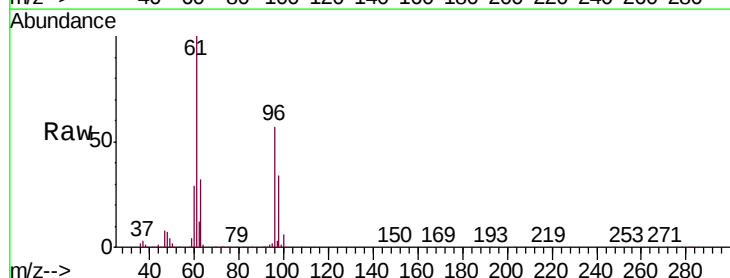
Tgt Ion: 96 Resp: 607513

Ion Ratio Lower Upper

96 100

61 175.0 131.8 197.6

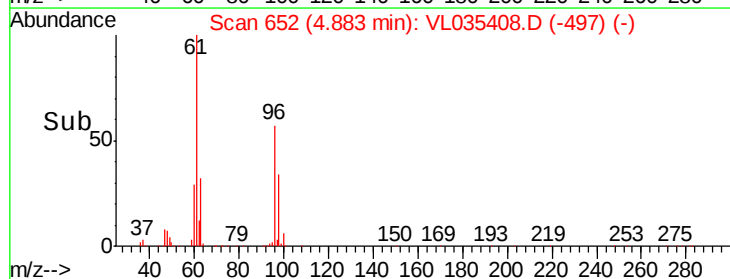
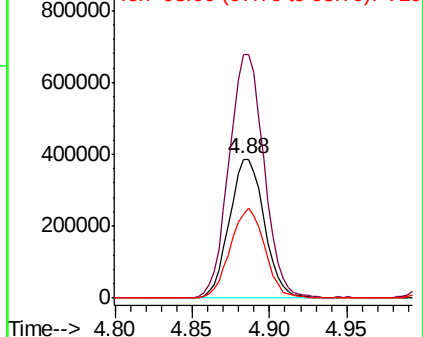
98 60.2 49.6 74.4

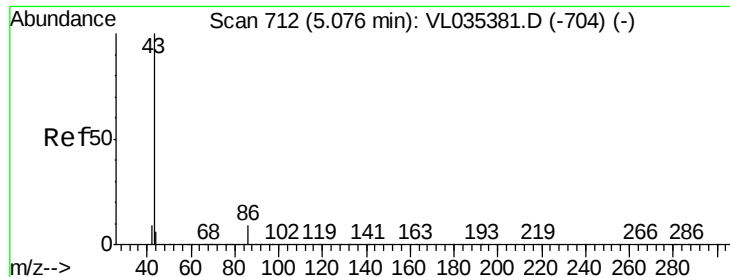


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 8.710 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2456617

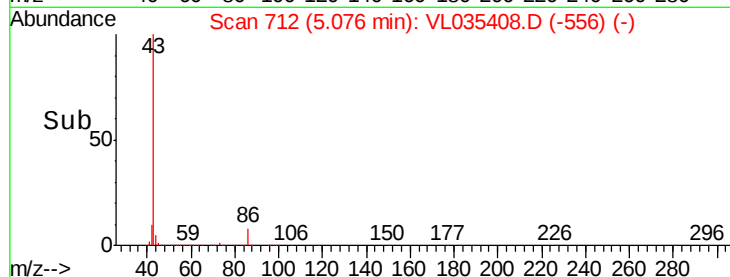
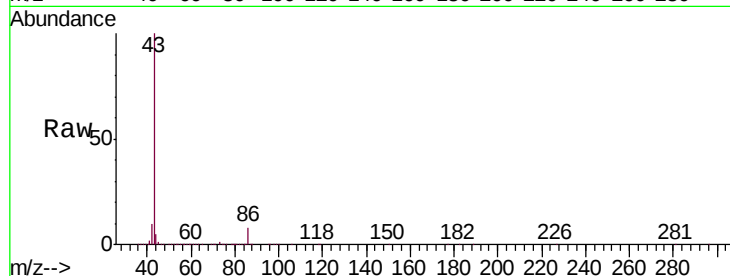
Ion Ratio Lower Upper

43 100

86 8.1 5.8 8.8

42 10.2 8.0 12.0

44 5.2 4.2 6.2

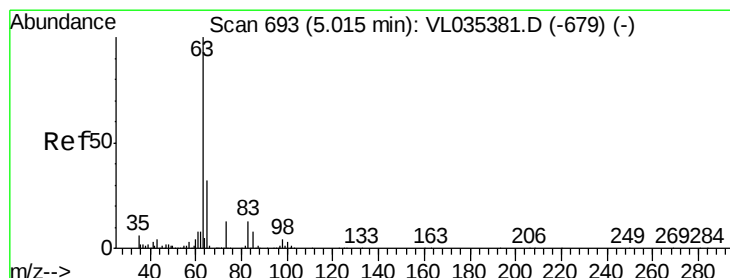
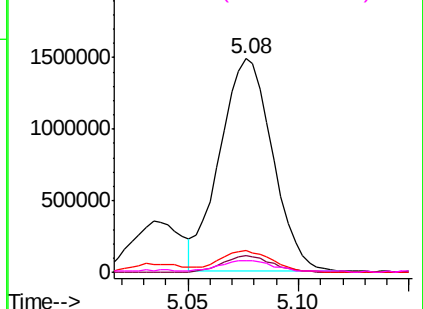


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.349 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

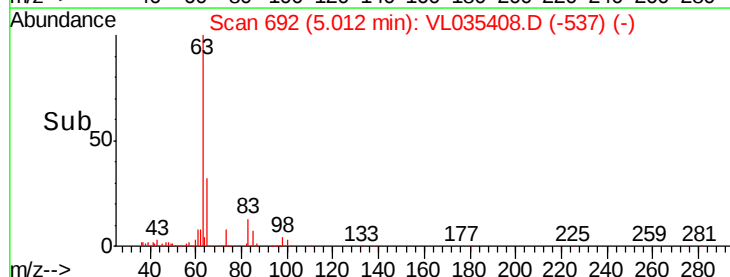
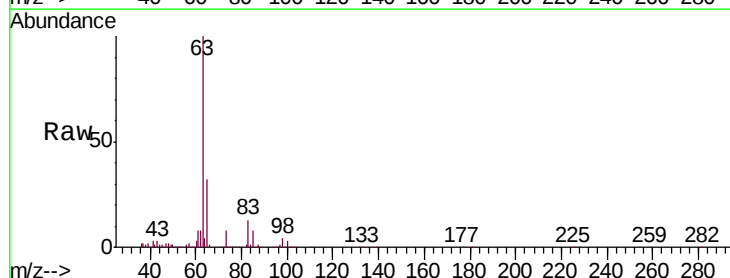
Tgt Ion: 63 Resp: 1736518

Ion Ratio Lower Upper

63 100

98 4.4 2.2 6.6

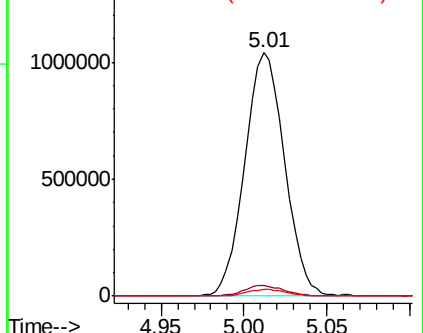
100 2.9 1.4 4.0

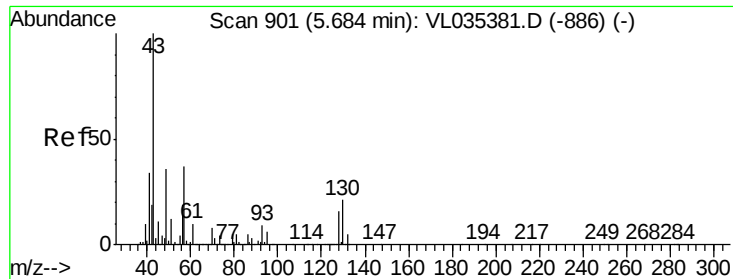


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.576 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 3127445

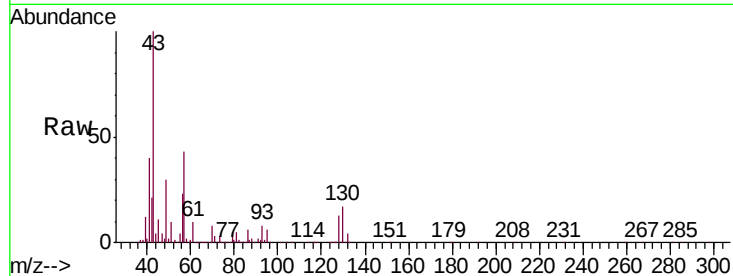
Ion Ratio Lower Upper

43 100

45 10.3 8.0 12.0

61 9.5 7.4 11.2

70 7.5 5.9 8.9

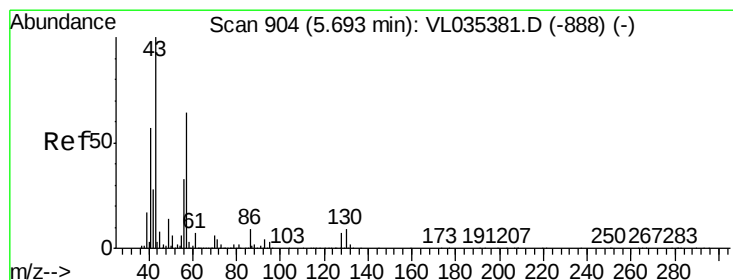
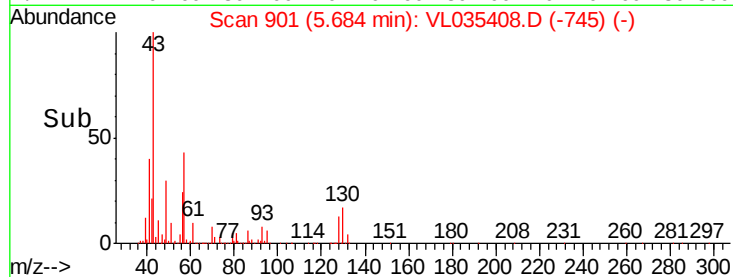
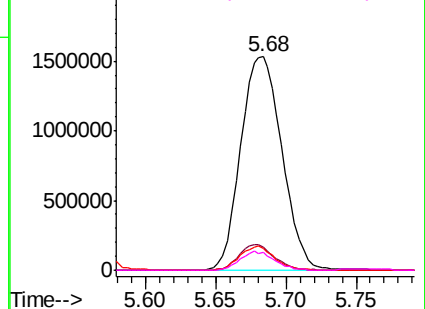


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.629 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Tgt Ion: 57 Resp: 1377026

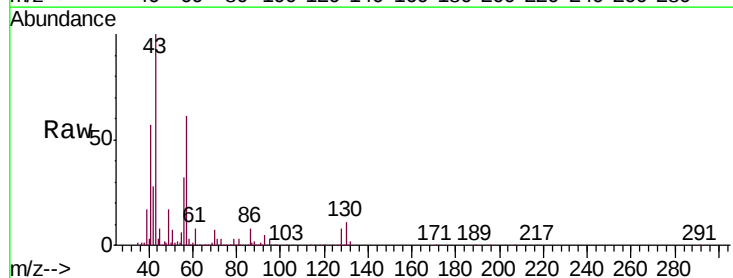
Ion Ratio Lower Upper

57 100

41 94.0 75.4 113.2

43 228.4 184.1 276.1

56 53.2 42.2 63.4

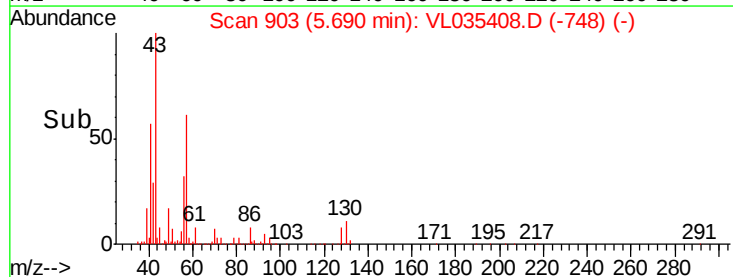
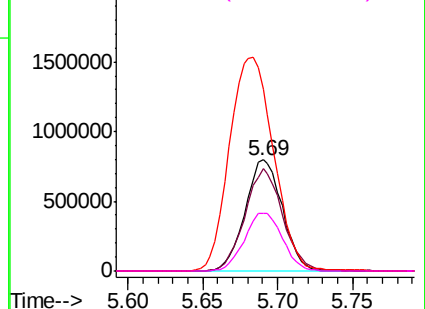


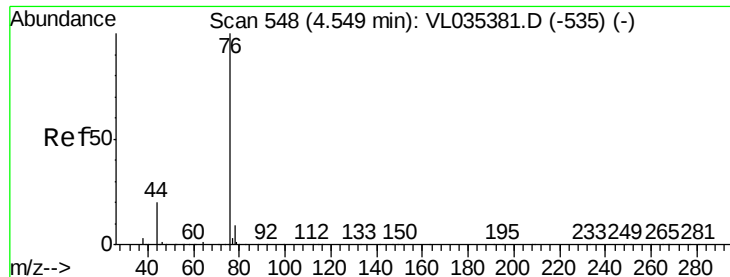
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 9.134 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

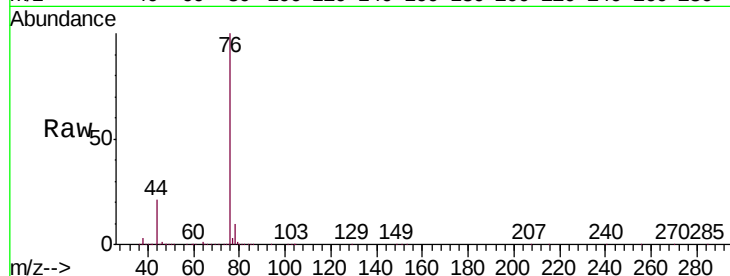
Tgt Ion: 76 Resp: 1556051

Ion Ratio Lower Upper

76 100

44 20.8 17.0 25.4

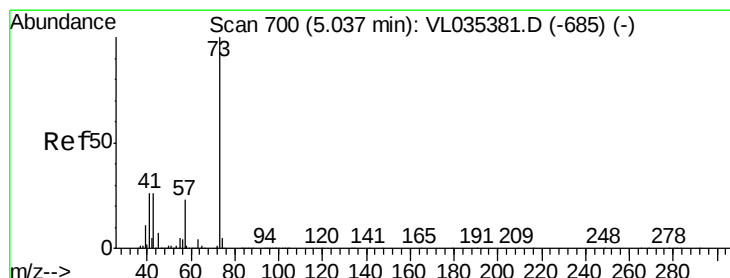
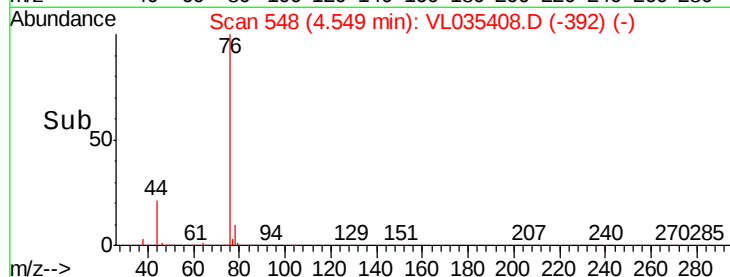
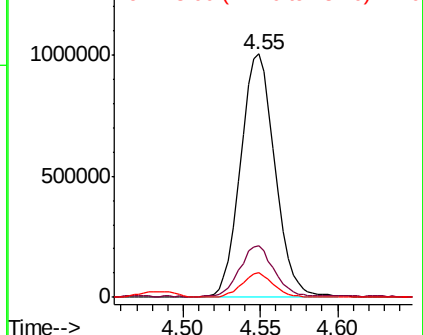
78 9.4 7.5 11.3



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: 8.652 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.00 min

Lab File: VL035408.D

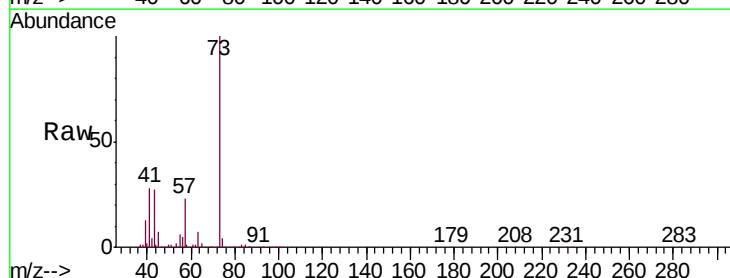
Acq: 13 Aug 2020 19:41

Tgt Ion: 73 Resp: 2279642

Ion Ratio Lower Upper

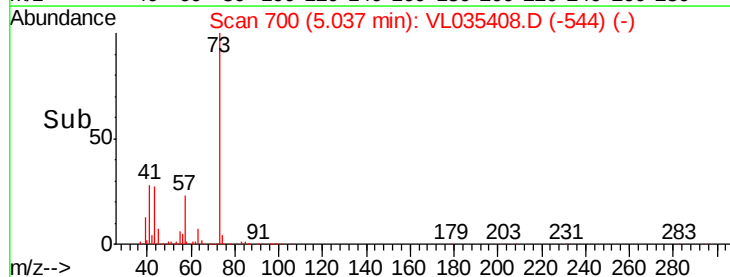
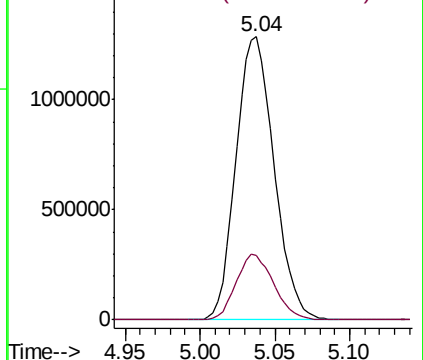
73 100

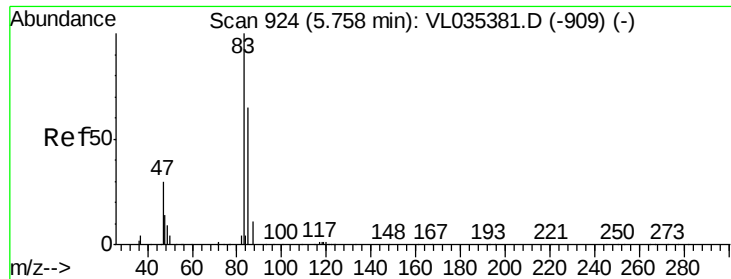
57 23.0 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.689 ppbv

RT: 5.76 min Scan# 924

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

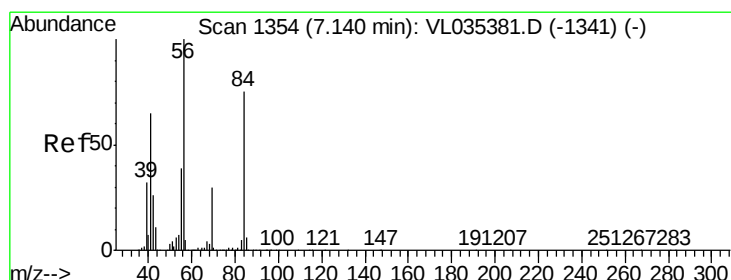
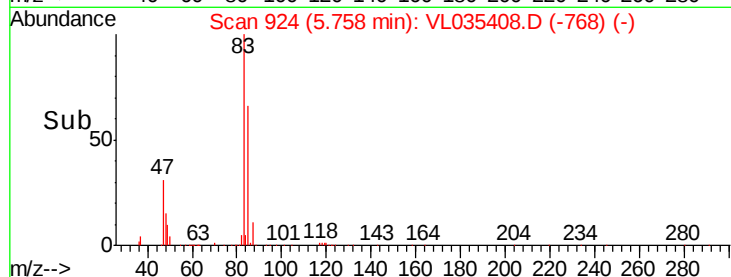
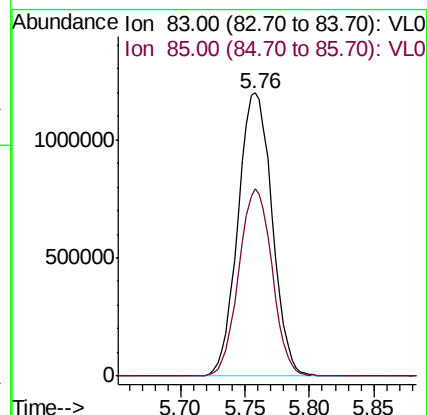
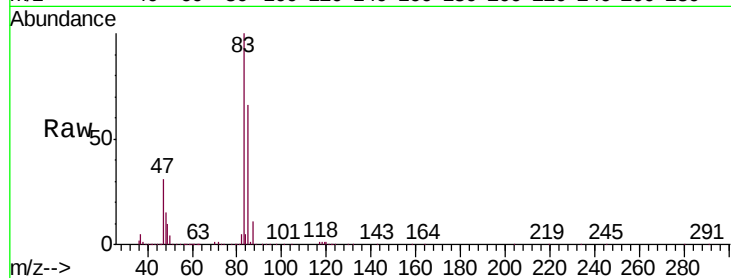
VSTDCCC010EC

Tgt Ion: 83 Resp: 2206470

Ion Ratio Lower Upper

83 100

85 66.3 51.7 77.5



#30

Cyclohexane

Concen: 9.070 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

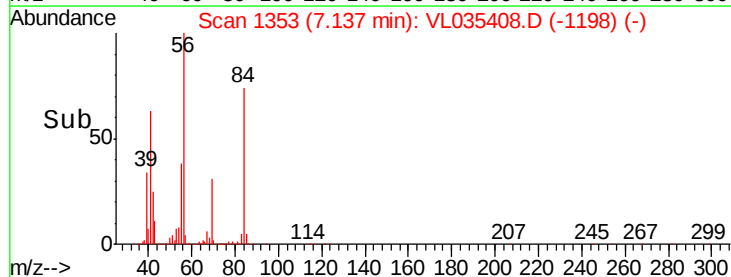
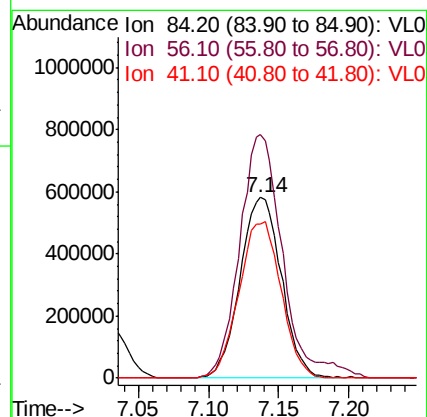
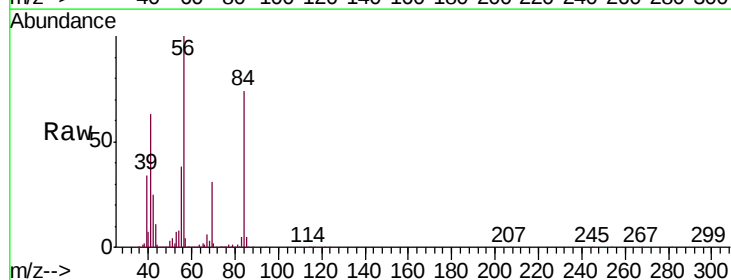
Tgt Ion: 84 Resp: 1192886

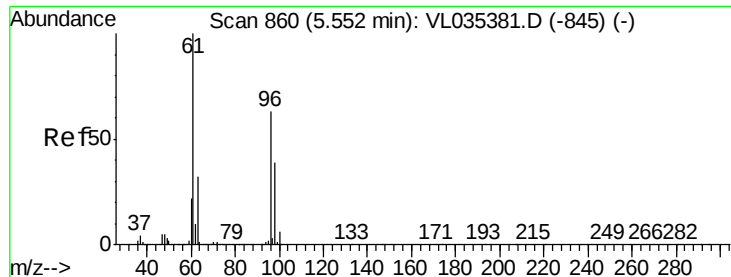
Ion Ratio Lower Upper

84 100

56 141.0 115.8 173.6

41 88.2 71.4 107.0



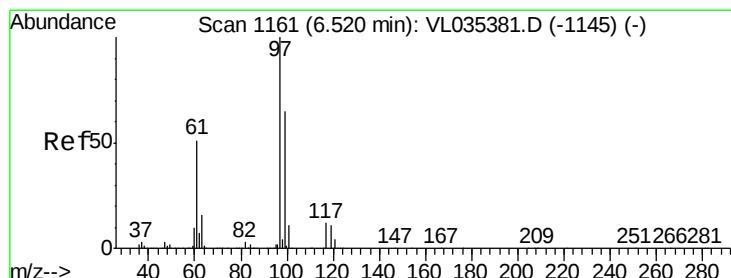
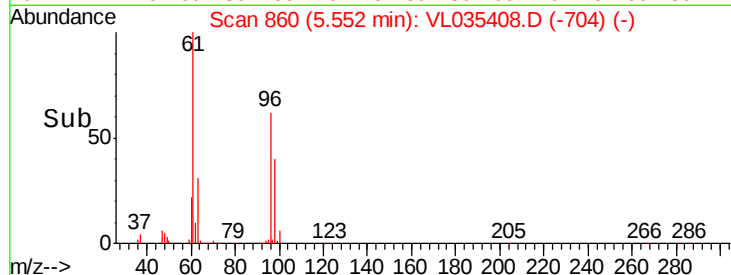
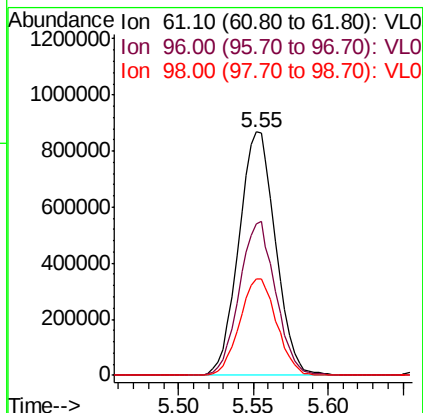
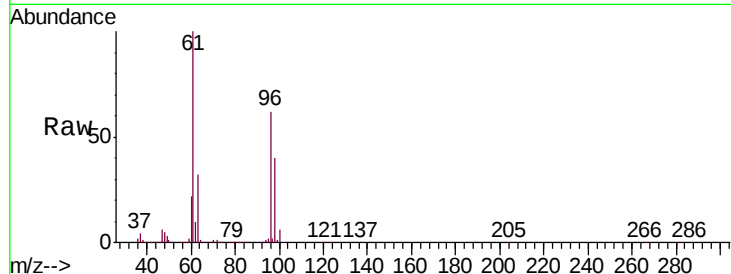


#31

cis-1,2-Dichloroethene
 Concen: 9.384 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

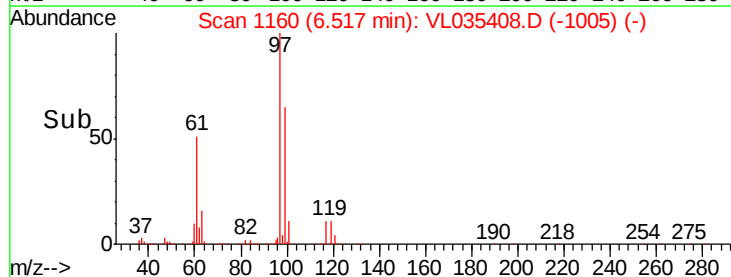
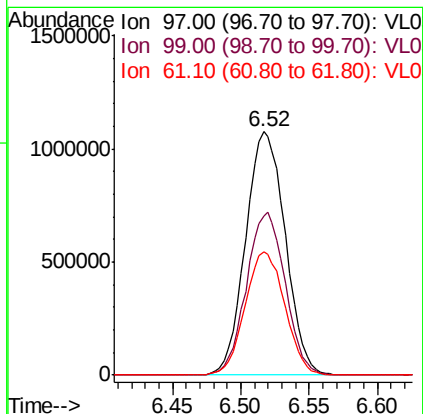
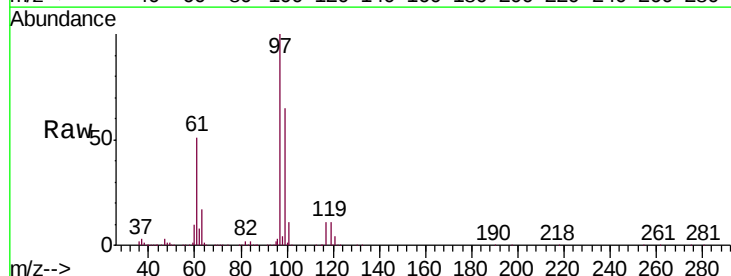
Tgt Ion: 61 Resp: 1484753
 Ion Ratio Lower Upper
 61 100
 96 62.4 50.5 75.7
 98 39.6 31.5 47.3

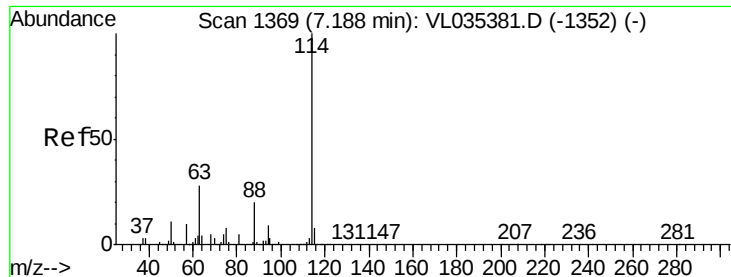


#32

1,1,1-Trichloroethane
 Concen: 8.754 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Tgt Ion: 97 Resp: 2174521
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.8 77.8
 61 50.7 39.6 59.4

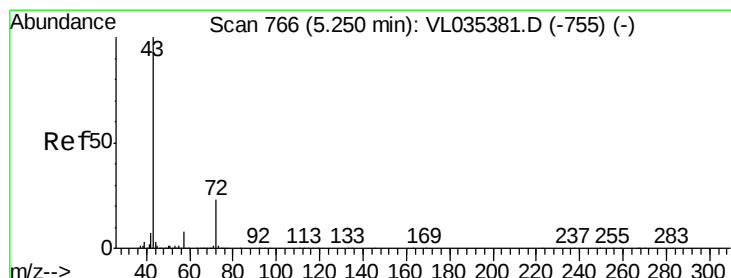
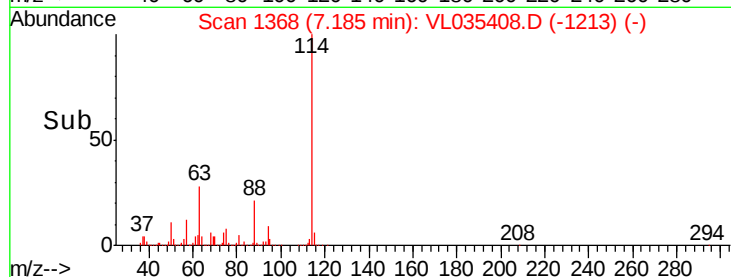
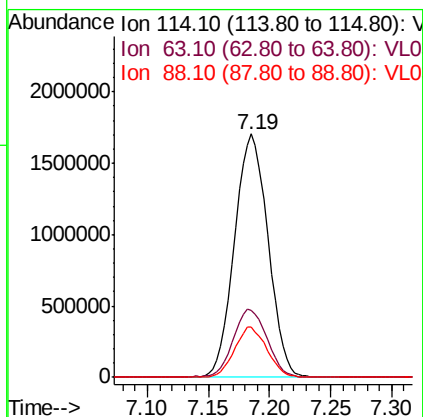
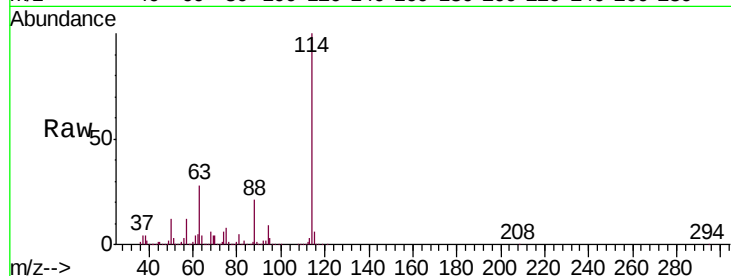




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

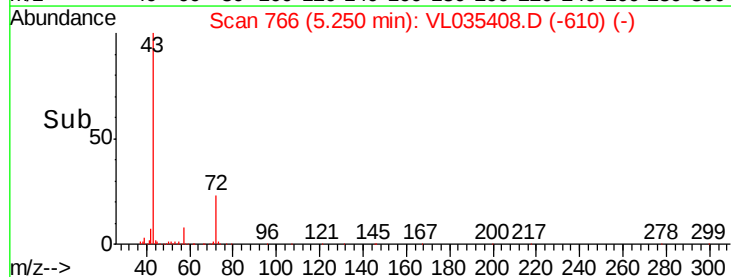
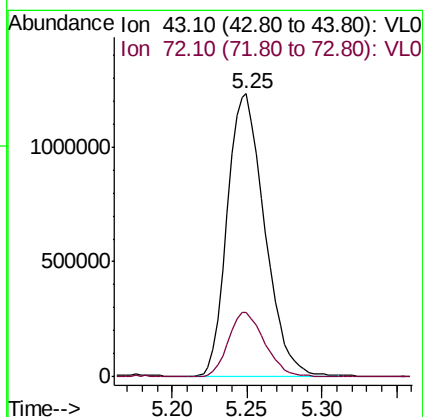
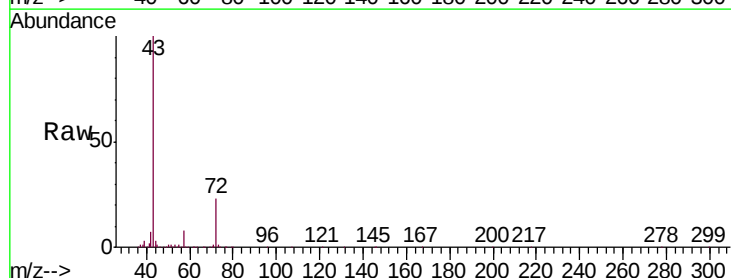
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

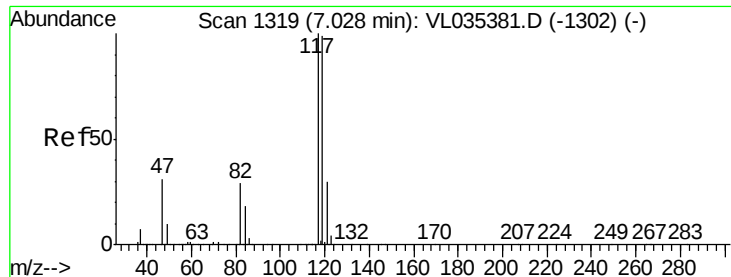
Tgt Ion: 114 Resp: 3246739
 Ion Ratio Lower Upper
 114 100
 63 28.4 21.5 32.3
 88 20.0 15.6 23.4



#34
 2-Butanone
 Concen: 9.238 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Tgt Ion: 43 Resp: 2137368
 Ion Ratio Lower Upper
 43 100
 72 22.5 17.7 26.5





#35

Carbon Tetrachloride

Concen: 9.471 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

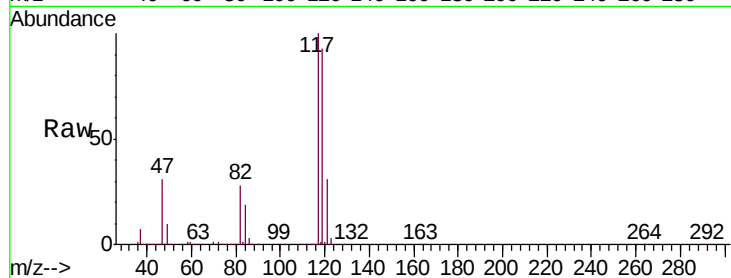
Tgt Ion:117 Resp: 2137573

Ion Ratio Lower Upper

117 100

119 92.9 79.4 119.0

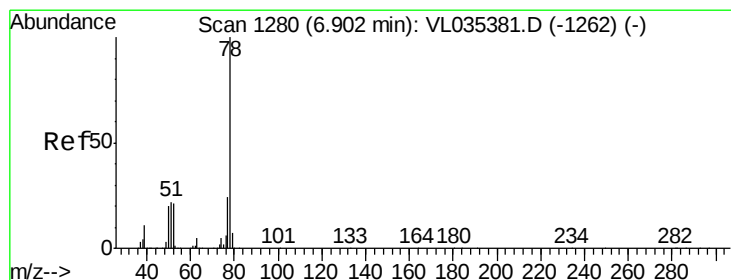
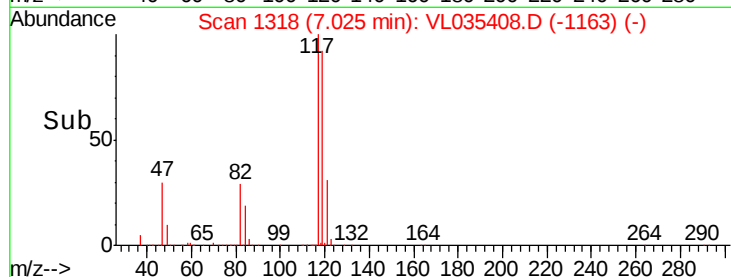
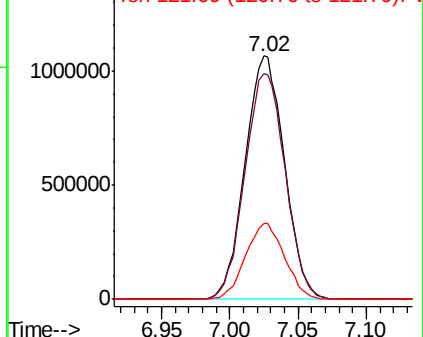
121 31.1 24.3 36.5



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: 9.167 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

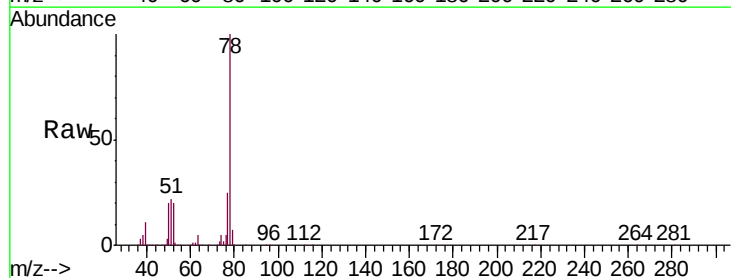
Tgt Ion: 78 Resp: 2854017

Ion Ratio Lower Upper

78 100

77 24.7 19.1 28.7

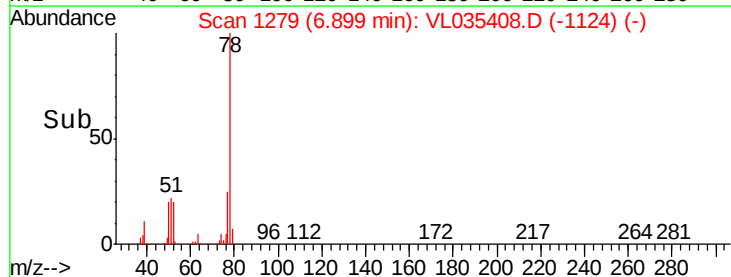
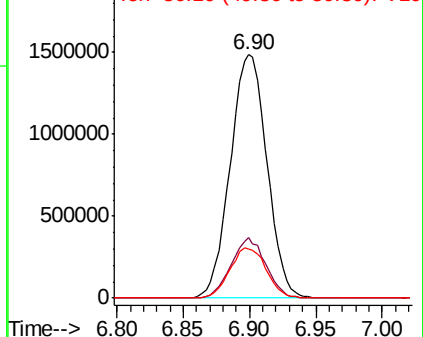
50 20.3 15.8 23.6

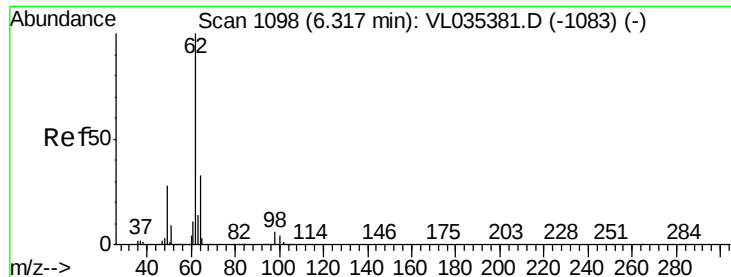


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

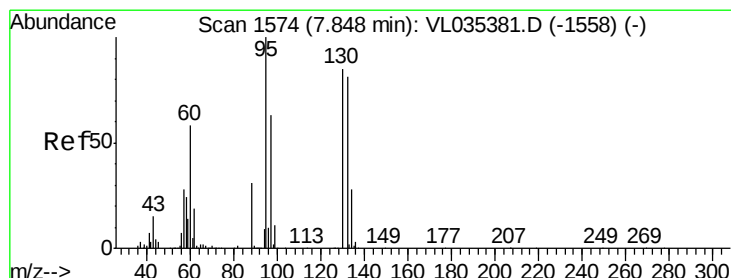
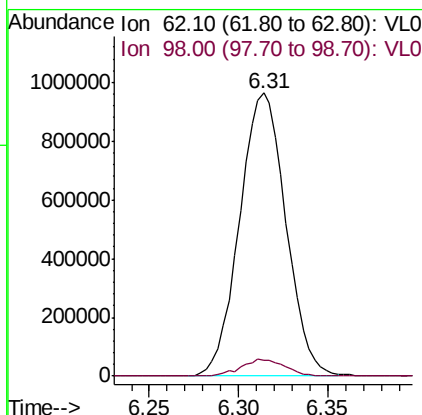
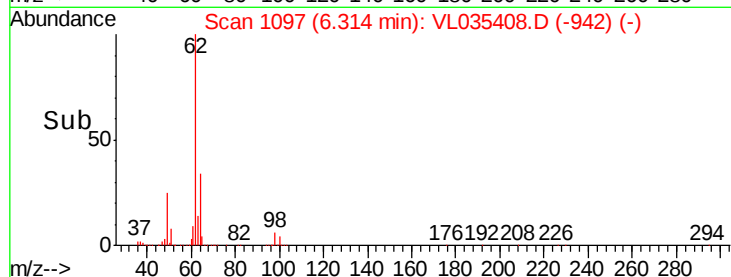
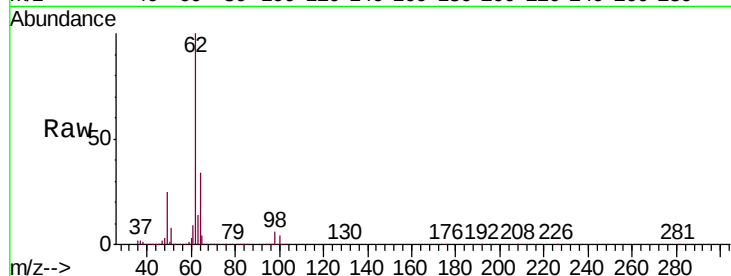




#37
 1,2-Dichloroethane
 Concen: 10.067 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. -0.00 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

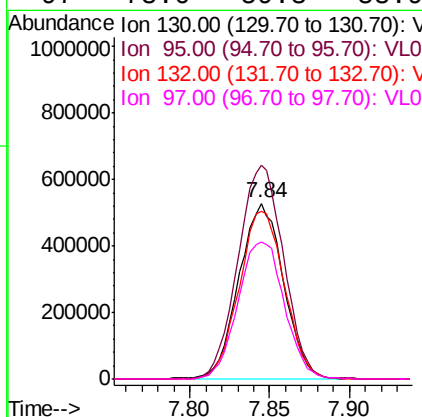
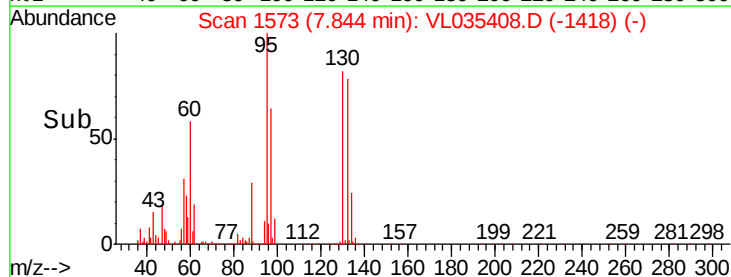
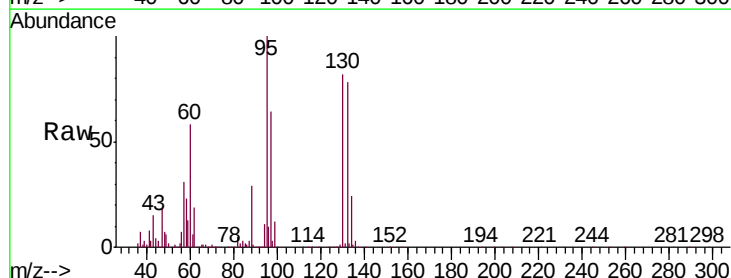
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

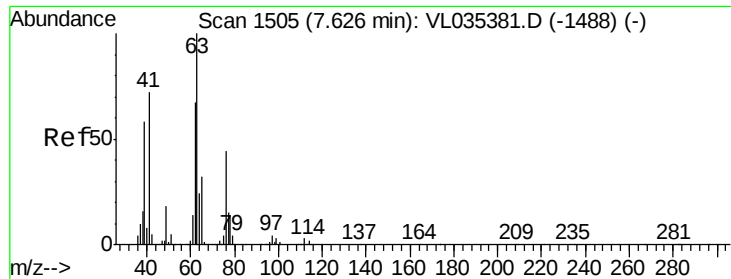
Tgt Ion: 62 Resp: 1739721
 Ion Ratio Lower Upper
 62 100
 98 5.8 5.1 7.7



#38
 Trichloroethene
 Concen: 8.210 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Tgt Ion: 130 Resp: 1001727
 Ion Ratio Lower Upper
 130 100
 95 121.3 94.2 141.4
 132 95.0 76.6 114.8
 97 78.0 59.3 88.9

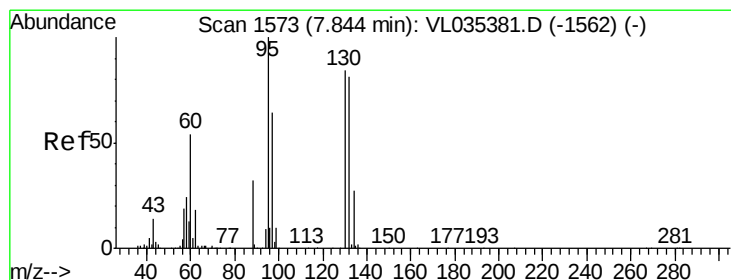
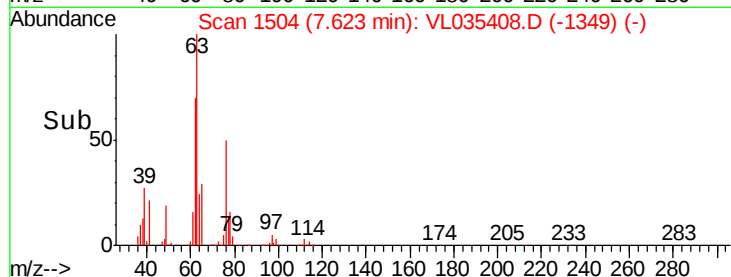
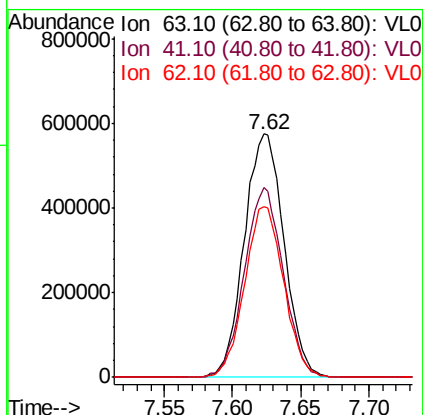
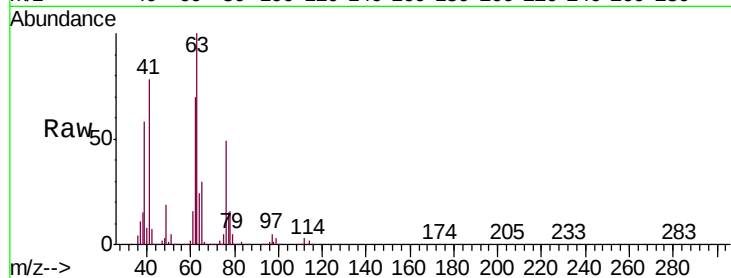




#39
 1,2-Dichloropropane
 Concen: 9.438 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. -0.00 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

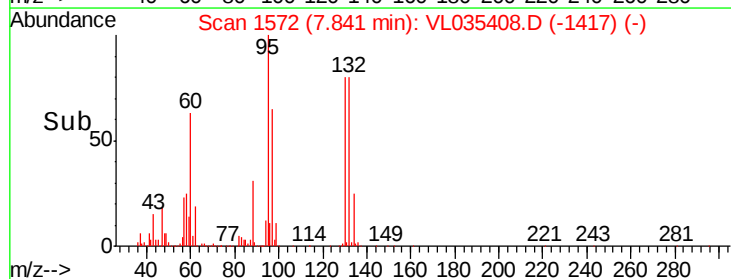
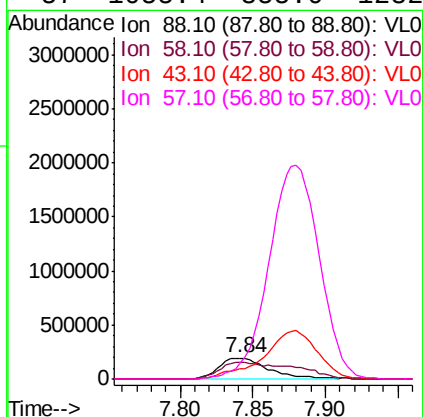
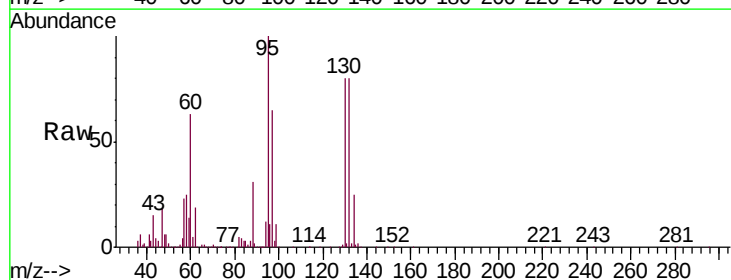
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

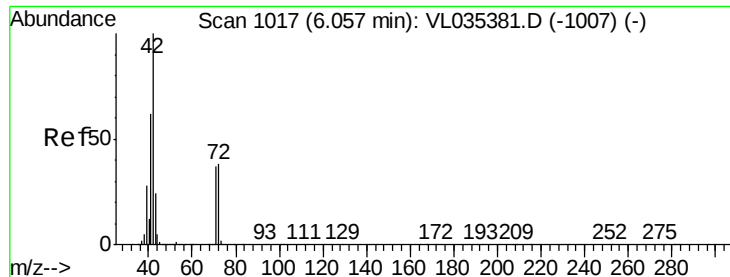
Tgt Ion: 63 Resp: 1163566
 Ion Ratio Lower Upper
 63 100
 41 78.0 57.4 86.2
 62 70.2 53.6 80.4



#40
 1,4-Dioxane
 Concen: 9.052 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Tgt Ion: 88 Resp: 454512
 Ion Ratio Lower Upper
 88 100
 58 127.7 105.0 157.6
 43 256.4 204.2 306.2
 57 1055.4 855.0 1282.4





#41

Tetrahydrofuran

Concen: 9.322 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

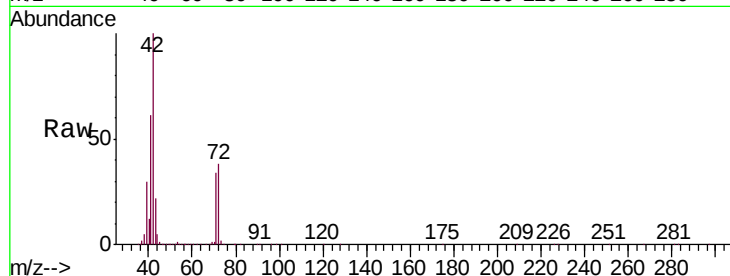
Tgt Ion: 42 Resp: 1286760

Ion Ratio Lower Upper

42 100

72 37.8 30.2 45.2

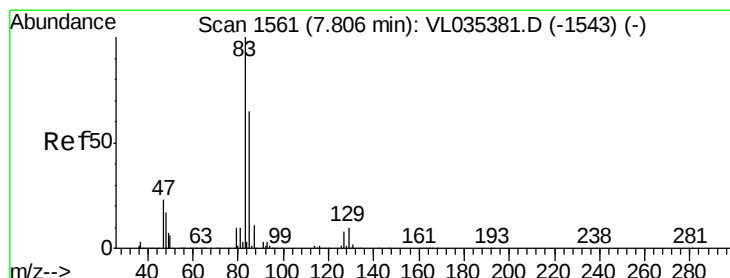
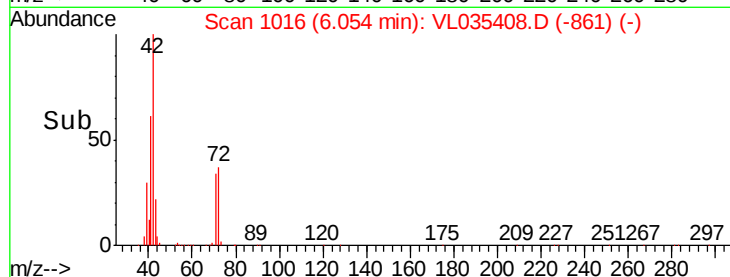
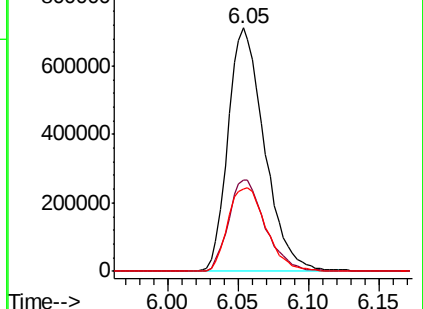
71 36.3 28.6 42.8



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.856 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

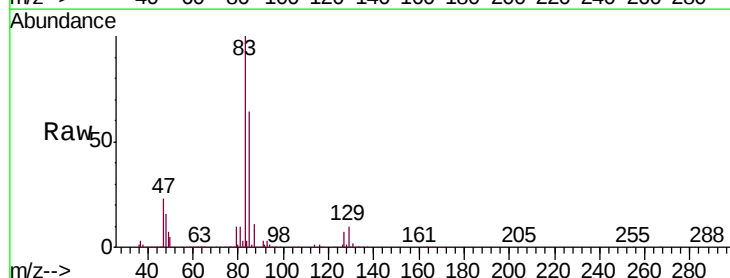
Tgt Ion: 83 Resp: 2399365

Ion Ratio Lower Upper

83 100

85 64.0 52.2 78.4

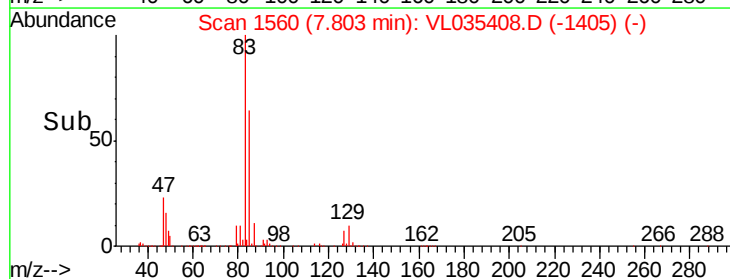
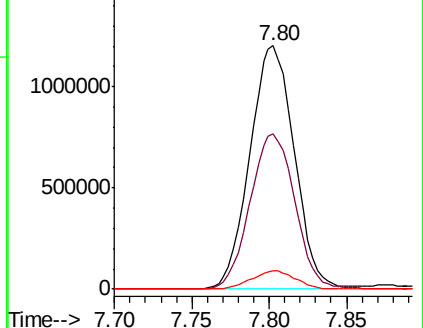
127 7.4 6.3 9.5

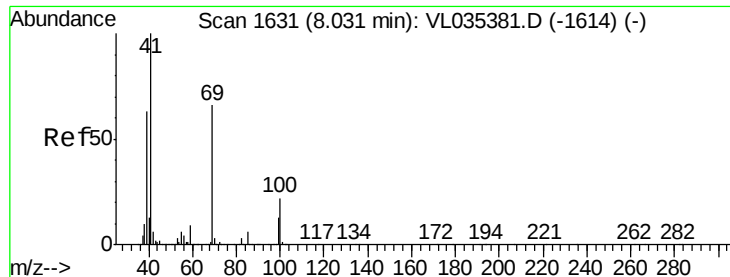


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

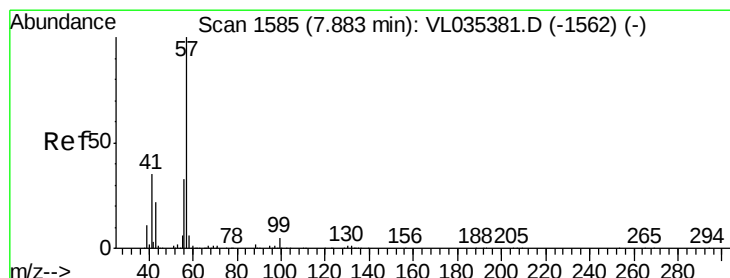
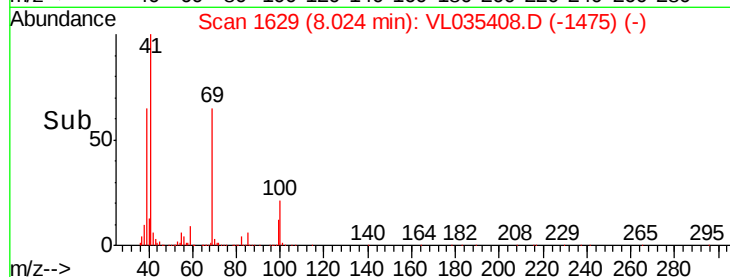
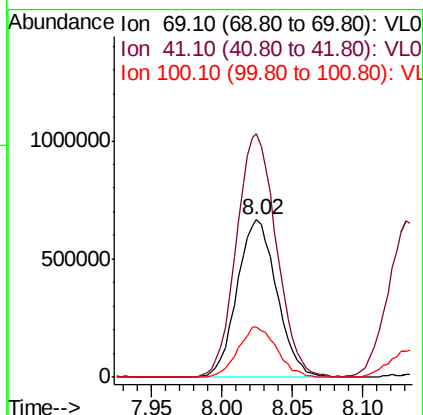
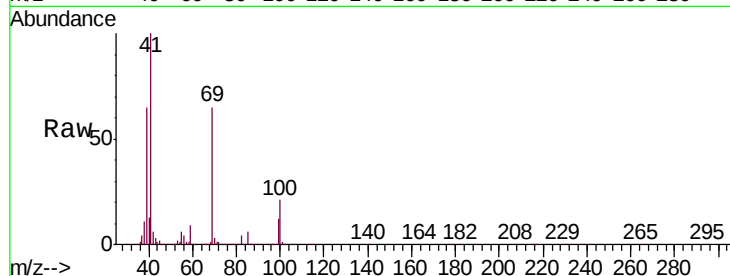




#43
Methyl Methacrylate
Concen: 9.495 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

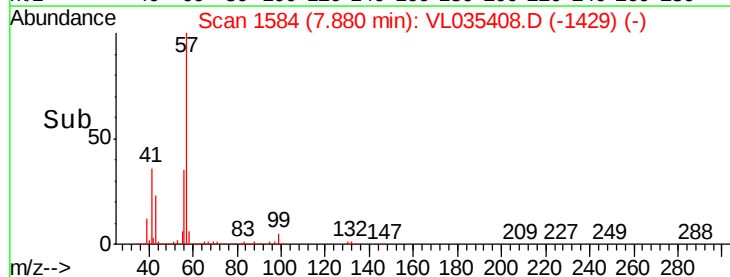
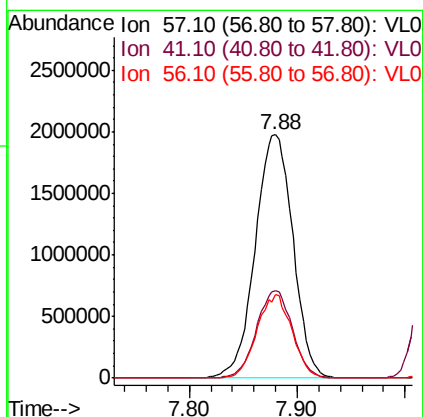
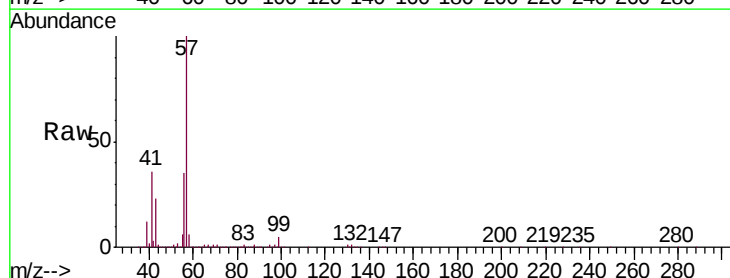
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

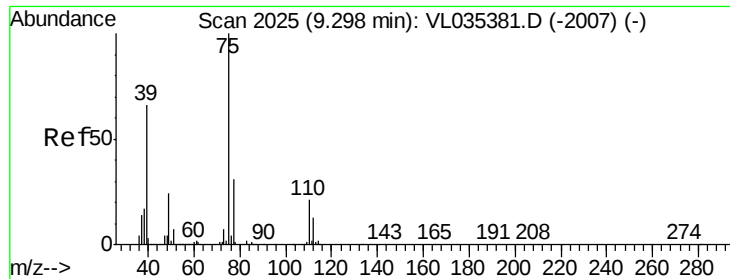
Tgt Ion: 69 Resp: 1311465
Ion Ratio Lower Upper
69 100
41 155.6 123.4 185.2
100 31.5 26.7 40.1



#44
2,2,4-Trimethylpentane
Concen: 8.948 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion: 57 Resp: 4792104
Ion Ratio Lower Upper
57 100
41 34.1 26.9 40.3
56 31.9 25.6 38.4

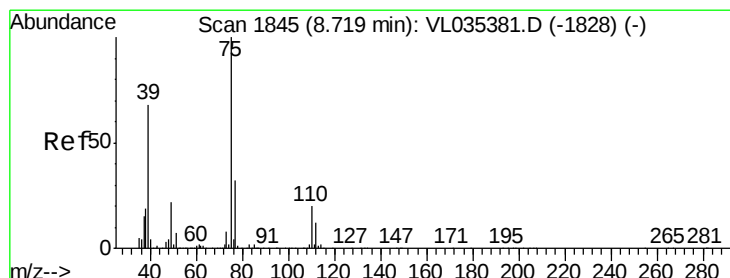
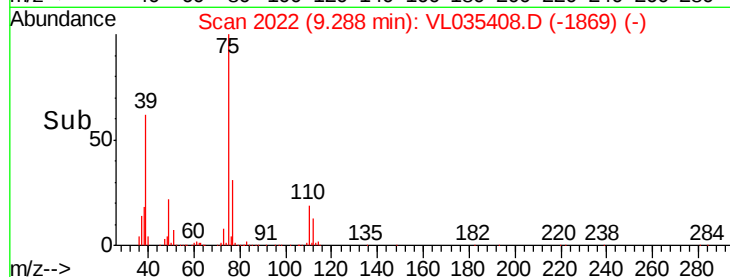
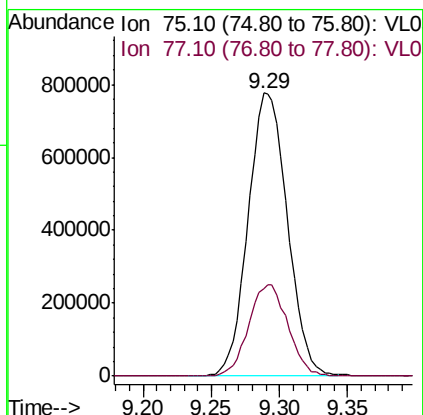
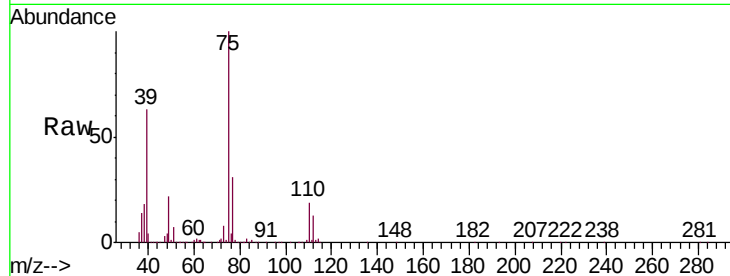




#45
 t-1,3-Dichloropropene
 Concen: 9.675 ppbv
 RT: 9.29 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

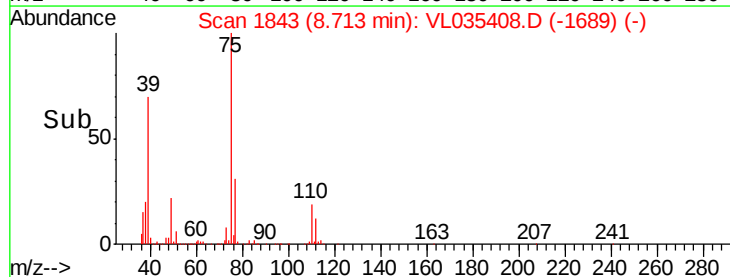
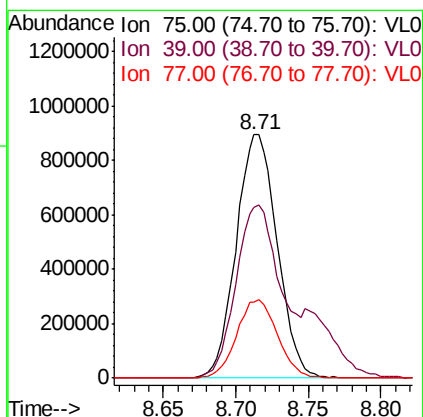
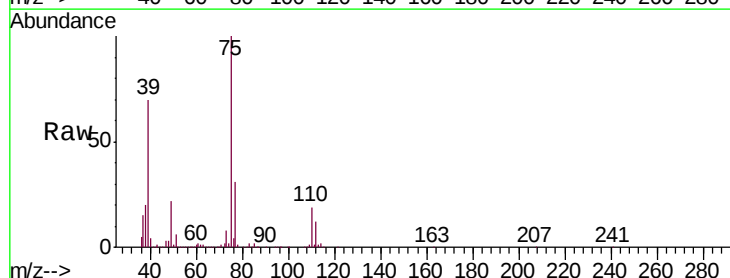
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

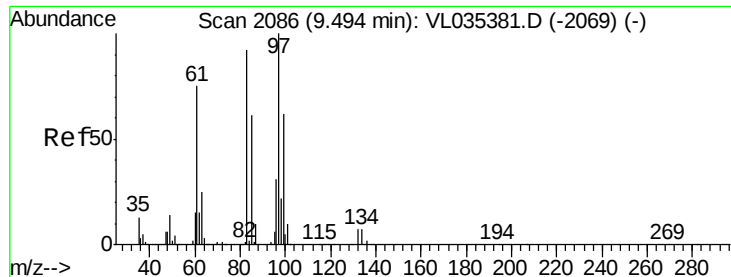
Tgt Ion: 75 Resp: 1550537
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.2 37.8



#46
 cis-1,3-Dichloropropene
 Concen: 9.385 ppbv
 RT: 8.71 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Tgt Ion: 75 Resp: 1756574
 Ion Ratio Lower Upper
 75 100
 39 70.1 54.2 81.2
 77 31.4 25.7 38.5

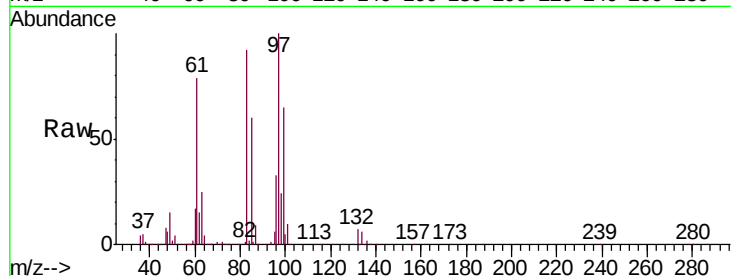




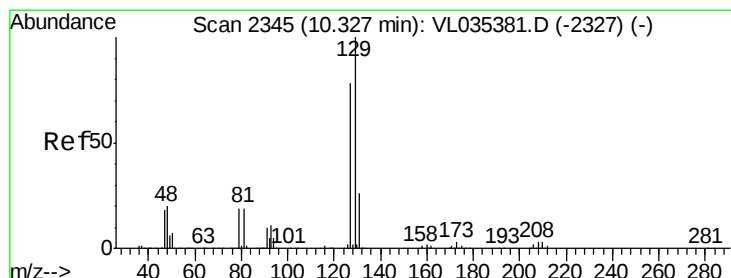
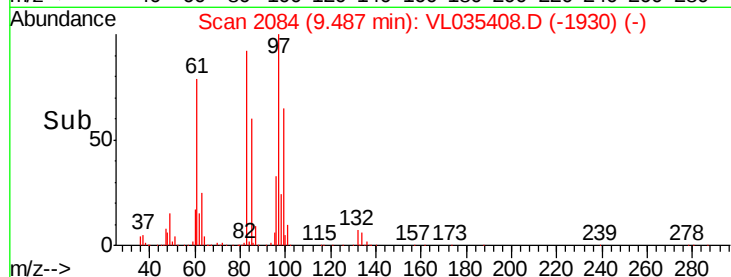
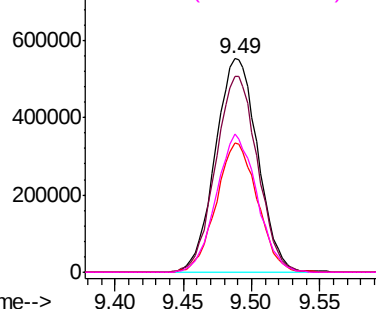
#47
 1,1,2-Trichloroethane
 Concen: 9.508 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 1188833
 Ion Ratio Lower Upper
 97 100
 83 91.4 73.9 110.9
 85 60.4 49.0 73.6
 99 64.7 49.9 74.9

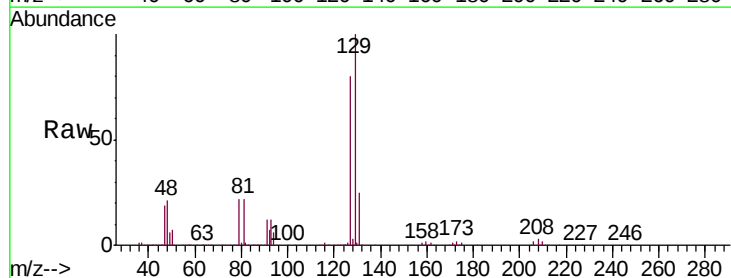


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

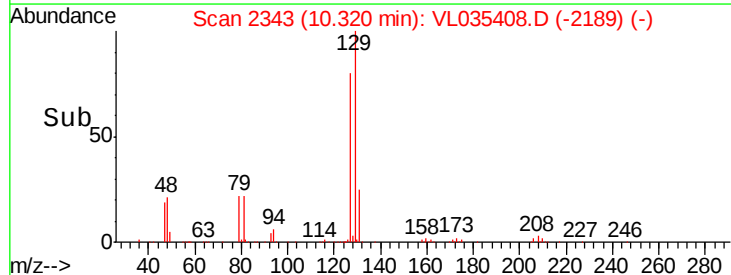
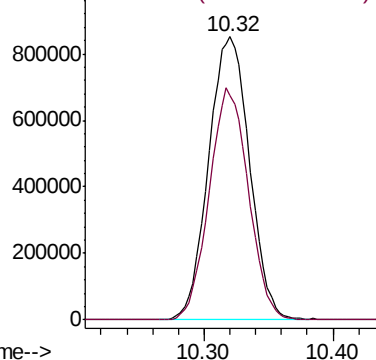


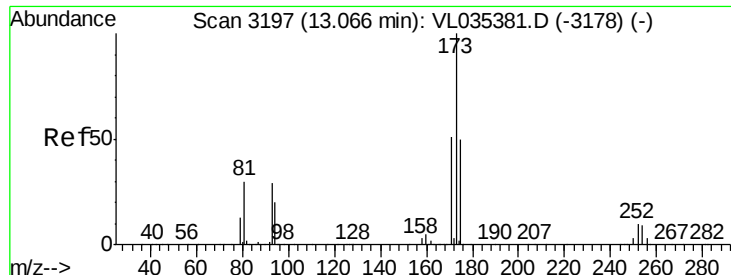
#48
 Dibromochloromethane
 Concen: 9.394 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Tgt Ion: 129 Resp: 1877388
 Ion Ratio Lower Upper
 129 100
 127 78.9 39.3 117.8



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





#49

Bromoform

Concen: 9.507 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

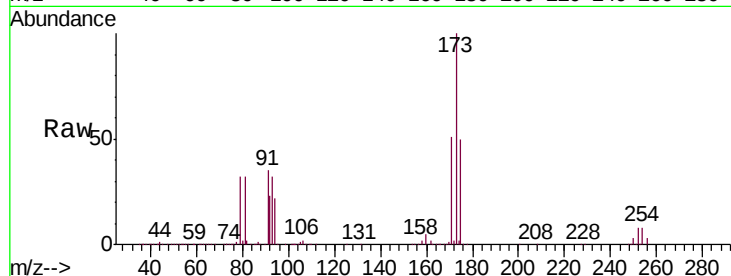
Tgt Ion:173 Resp: 1557668

Ion Ratio Lower Upper

173 100

175 49.3 39.9 59.9

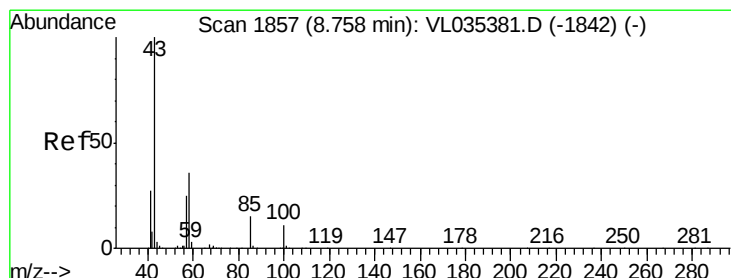
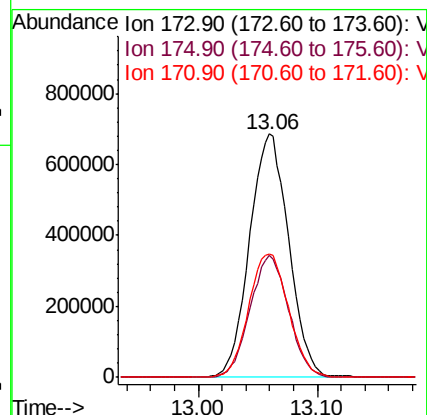
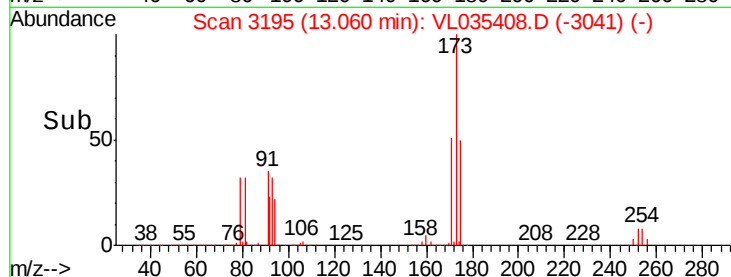
171 51.9 41.8 62.8



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: 9.076 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. -0.01 min

Lab File: VL035408.D

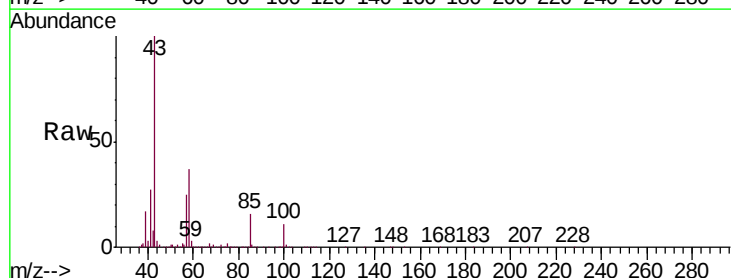
Acq: 13 Aug 2020 19:41

Tgt Ion: 43 Resp: 3164899

Ion Ratio Lower Upper

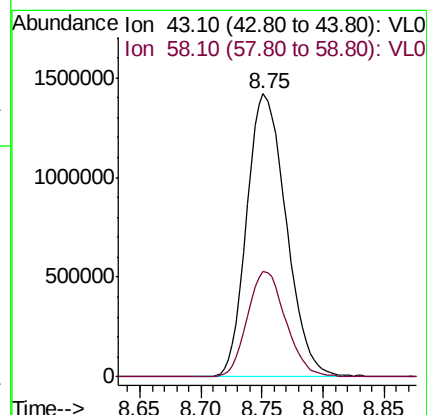
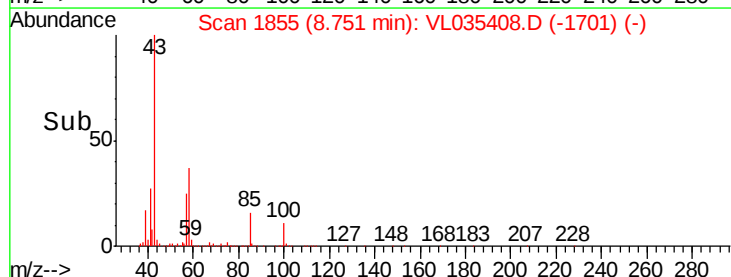
43 100

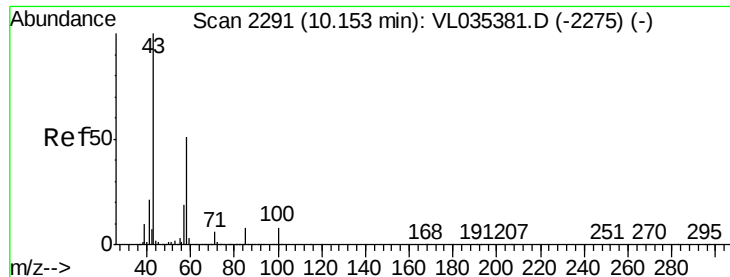
58 36.5 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

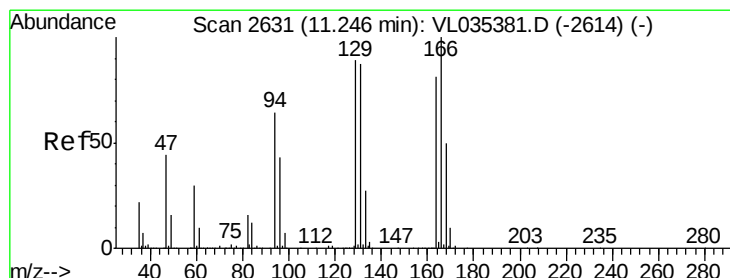
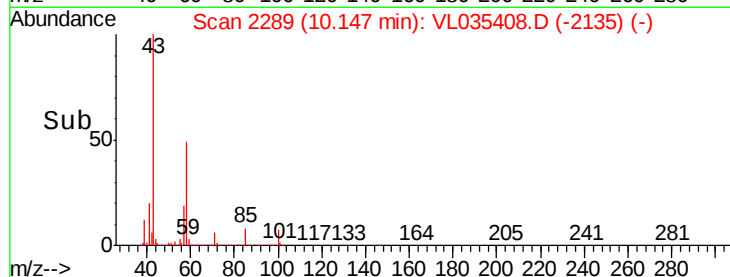
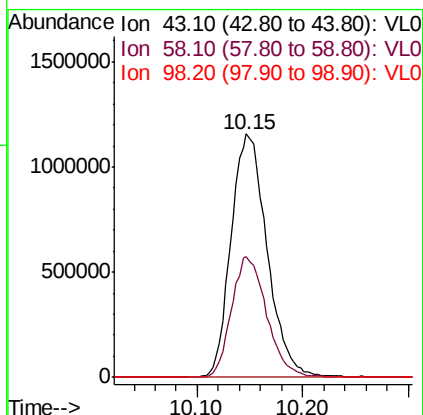
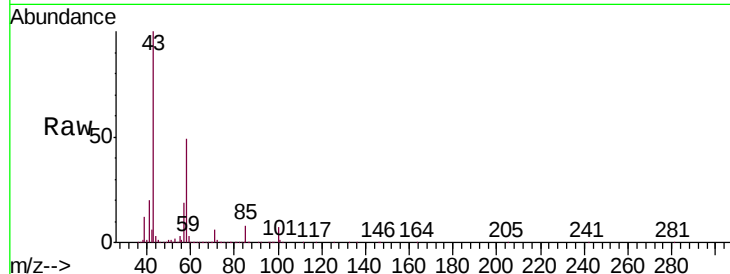




#51
2-Hexanone
Concen: 9.333 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

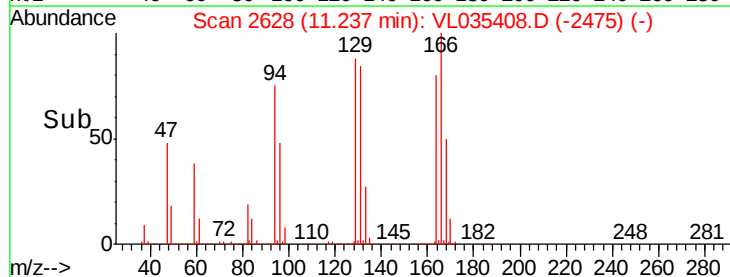
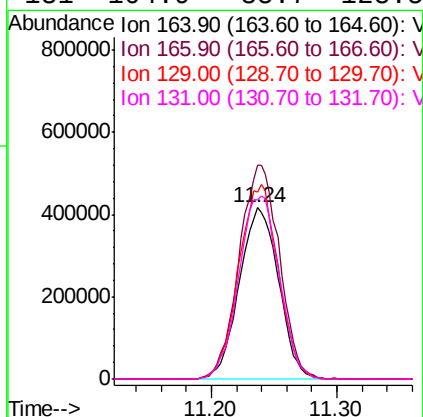
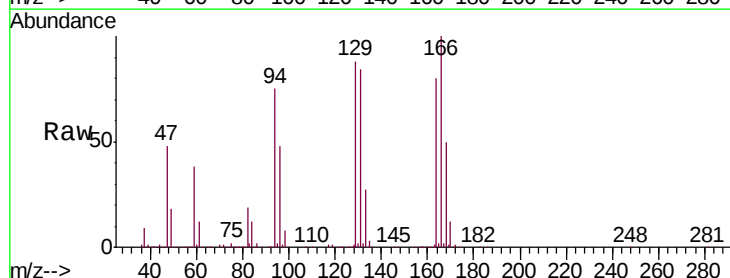
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

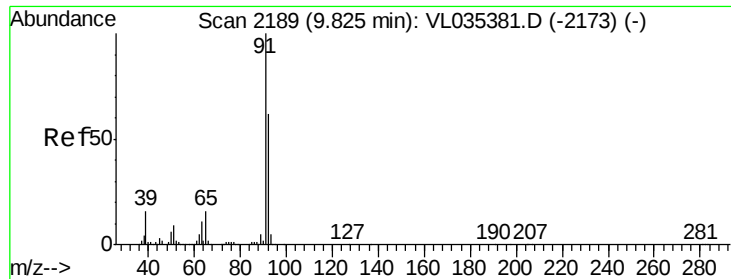
Tgt Ion: 43 Resp: 2739926
Ion Ratio Lower Upper
43 100
58 48.5 39.5 59.3
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.216 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion: 164 Resp: 907089
Ion Ratio Lower Upper
164 100
166 124.6 98.2 147.2
129 109.6 87.3 130.9
131 104.9 85.7 128.5





#53

Toluene

Concen: 9.003 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

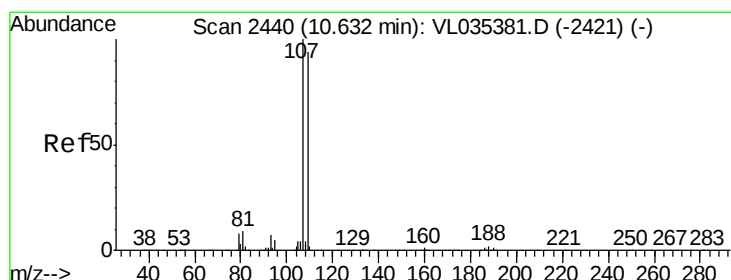
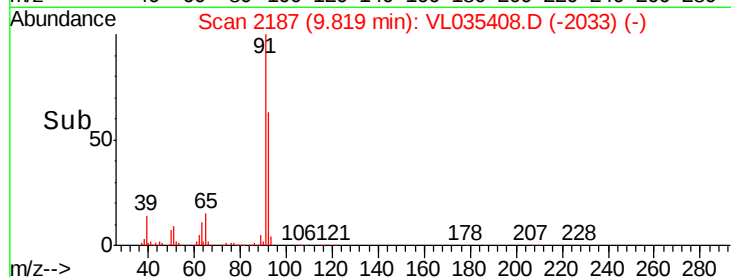
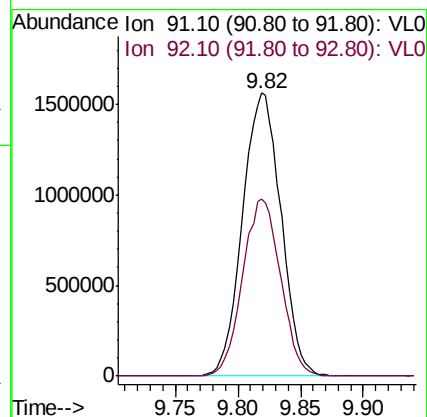
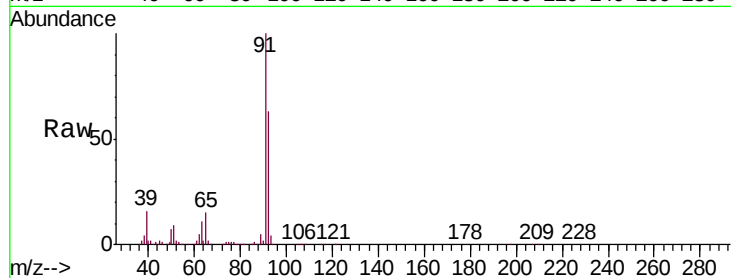
VSTDCCC010EC

Tgt Ion: 91 Resp: 3327266

Ion Ratio Lower Upper

91 100

92 61.8 49.1 73.7



#54

1,2-Dibromoethane

Concen: 9.222 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL035408.D

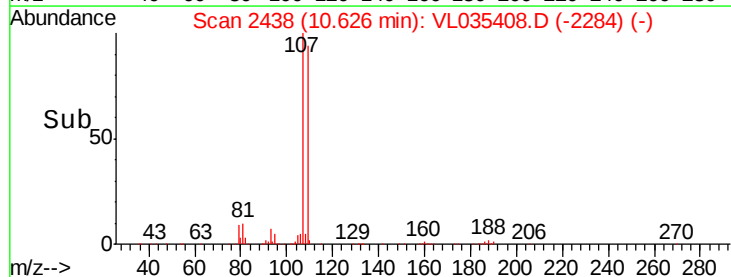
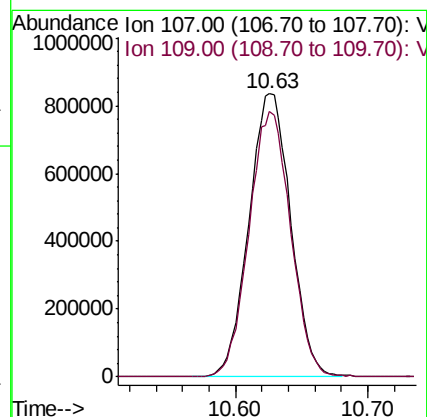
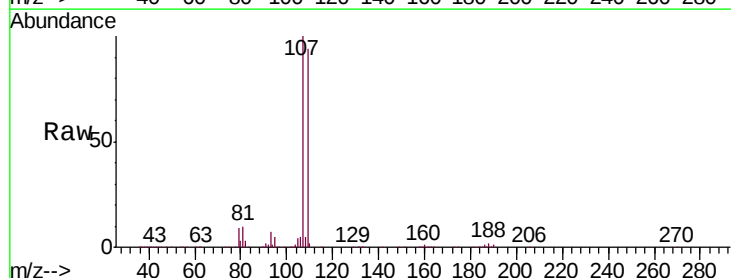
Acq: 13 Aug 2020 19:41

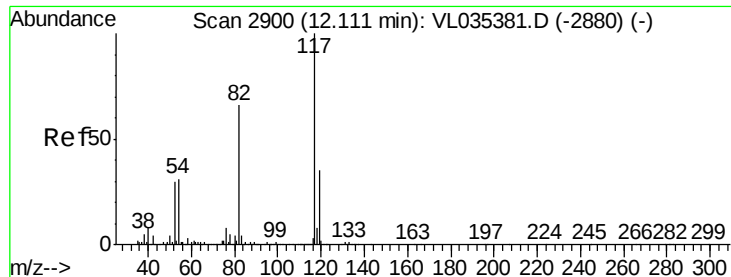
Tgt Ion: 107 Resp: 1826146

Ion Ratio Lower Upper

107 100

109 93.7 75.2 112.8

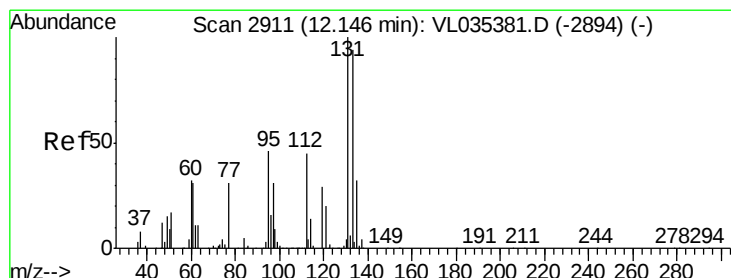
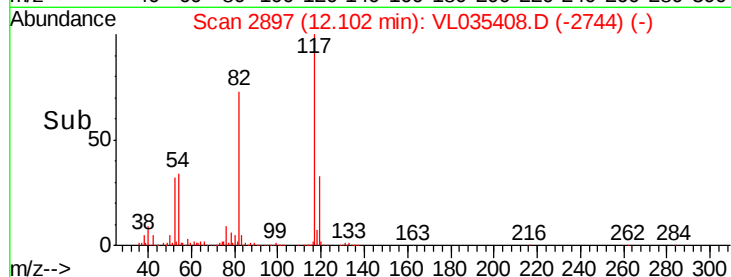
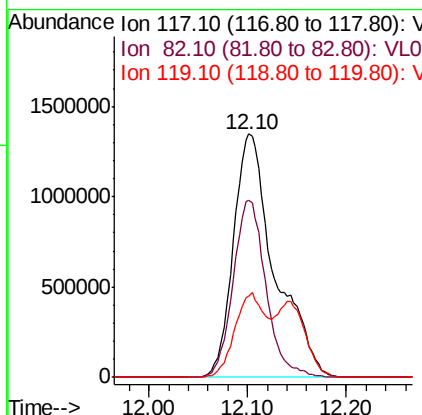
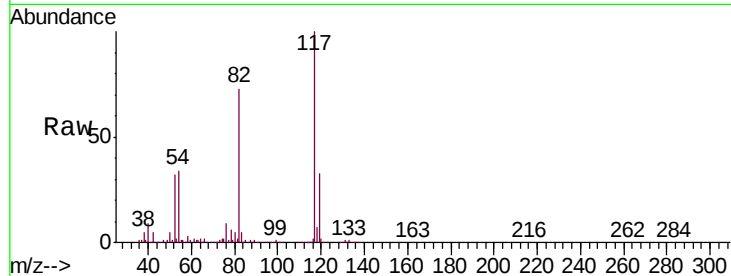




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

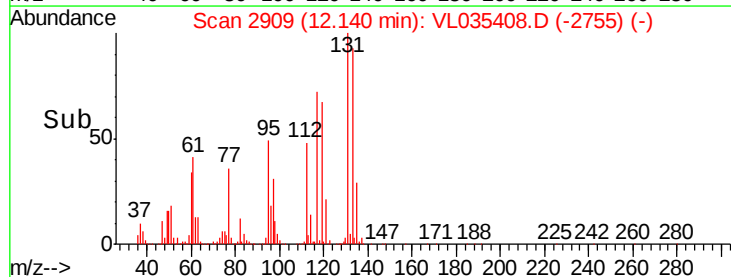
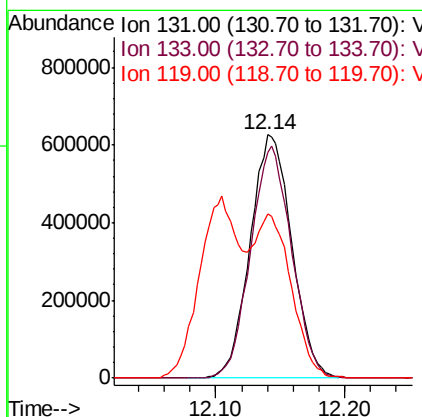
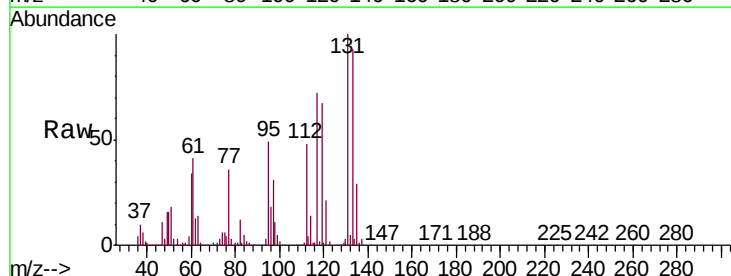
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

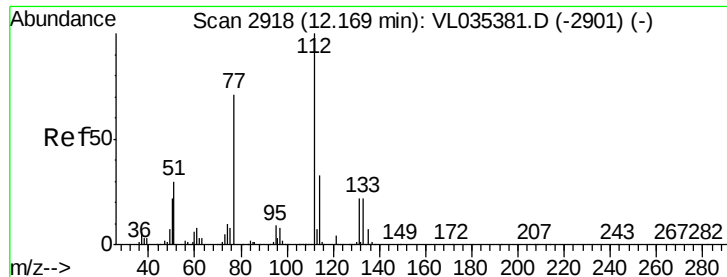
Tgt Ion:117 Resp: 3937359
Ion Ratio Lower Upper
117 100
82 57.7 53.0 79.6
119 27.9 25.7 38.5



#56
1,1,1,2-Tetrachloroethane
Concen: 7.366 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion:131 Resp: 1409379
Ion Ratio Lower Upper
131 100
133 93.9 76.1 114.1
119 65.8 47.0 70.4

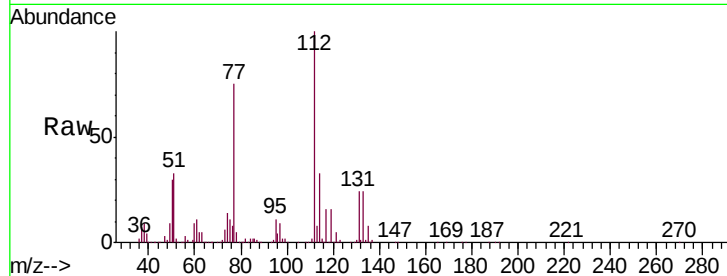




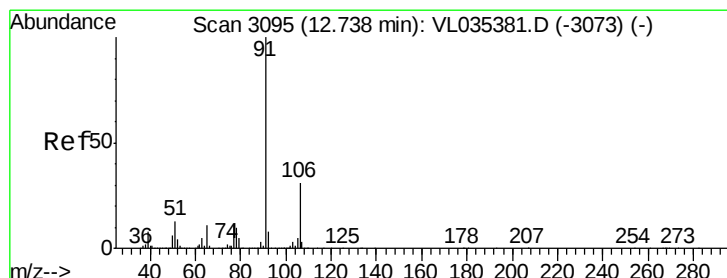
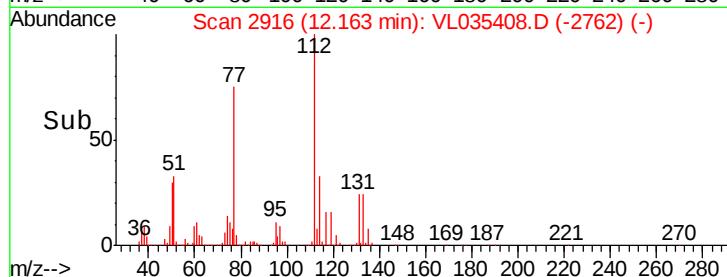
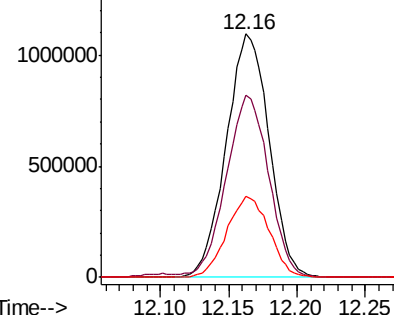
#57
Chlorobenzene
Concen: 7.101 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 112 Resp: 2383382
Ion Ratio Lower Upper
112 100
77 74.6 57.6 86.4
114 33.3 30.0 36.6

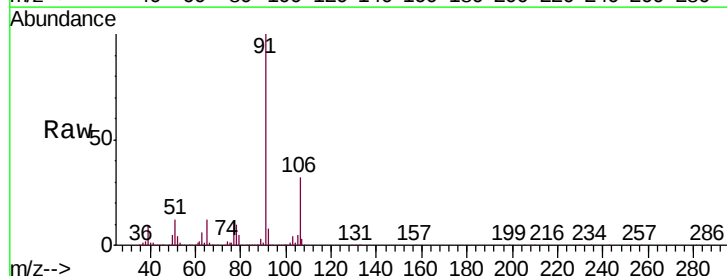


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

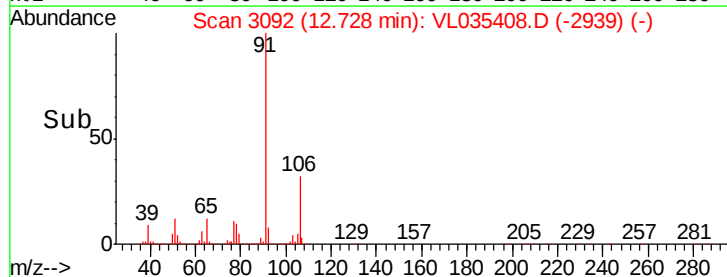
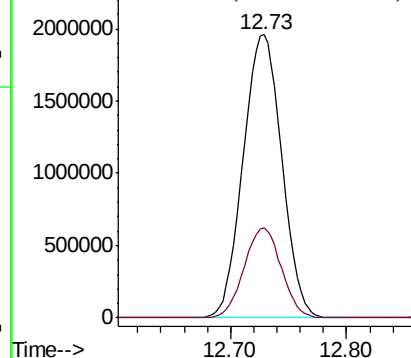


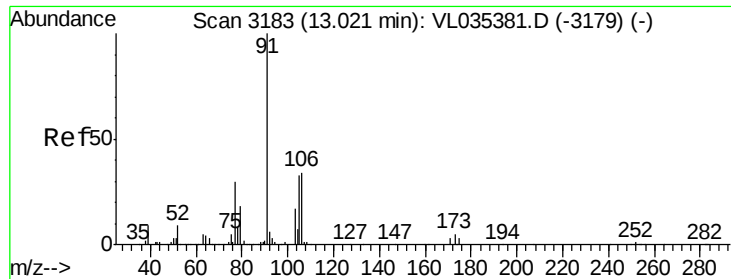
#58
Ethyl Benzene
Concen: 7.283 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion: 91 Resp: 4532060
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

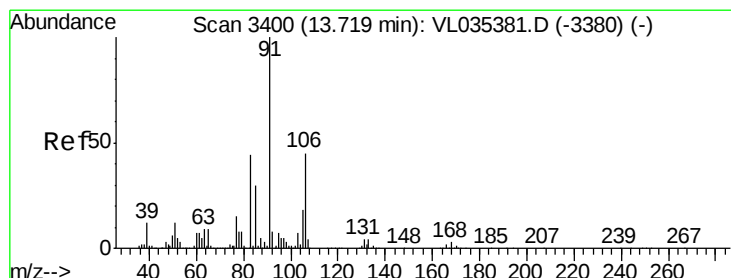
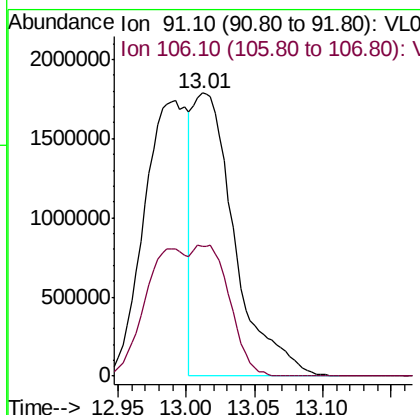
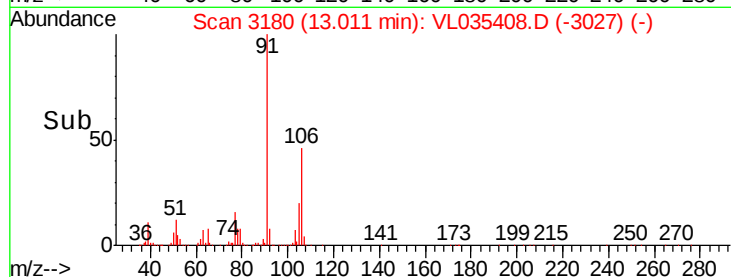
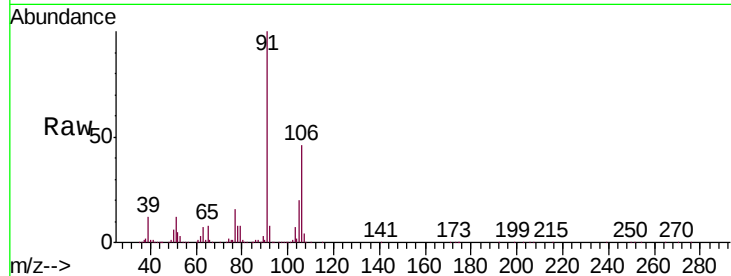




#59
m/p-Xylene
Concen: 7.332 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

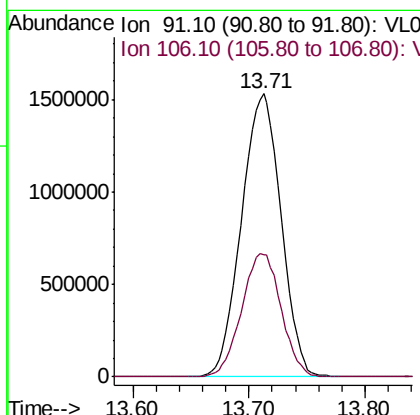
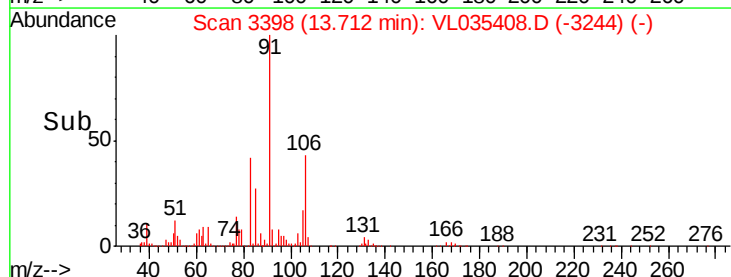
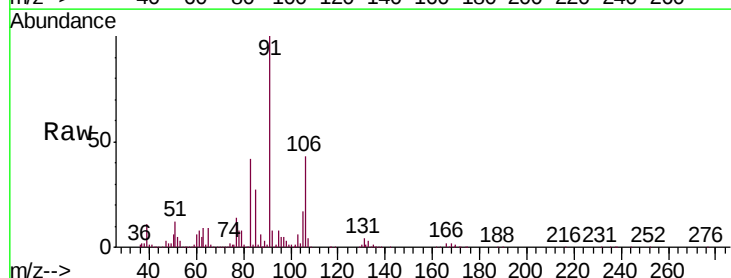
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

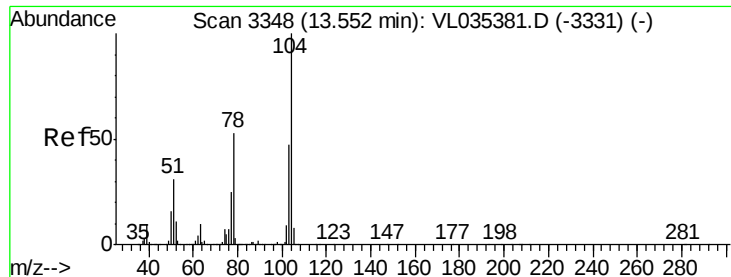
Tgt Ion: 91 Resp: 3805135
Ion Ratio Lower Upper
91 100
106 87.3 36.7 55.1#



#60
o-Xylene
Concen: 7.235 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion: 91 Resp: 3635856
Ion Ratio Lower Upper
91 100
106 43.6 22.2 66.6

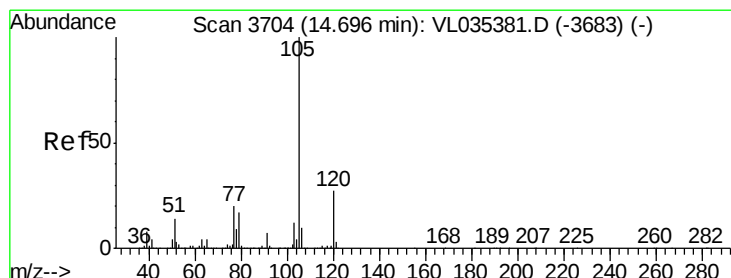
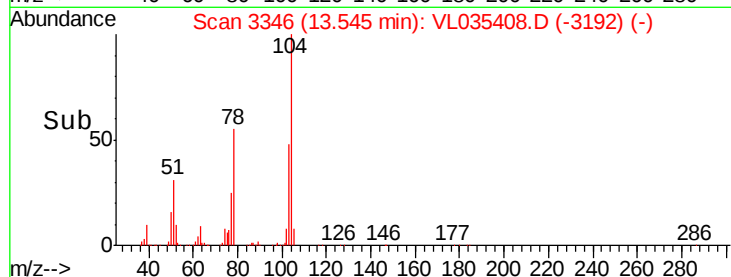
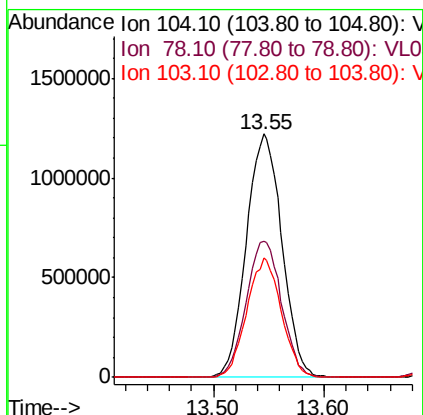
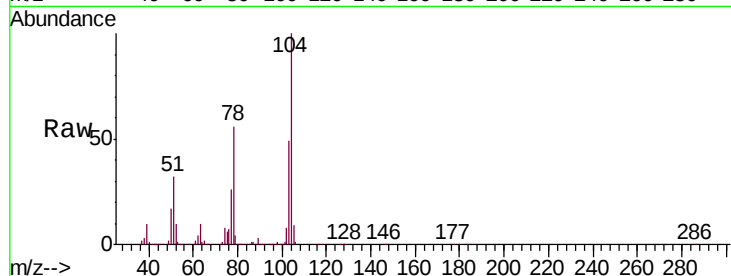




#61
Styrene
Concen: 7.348 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

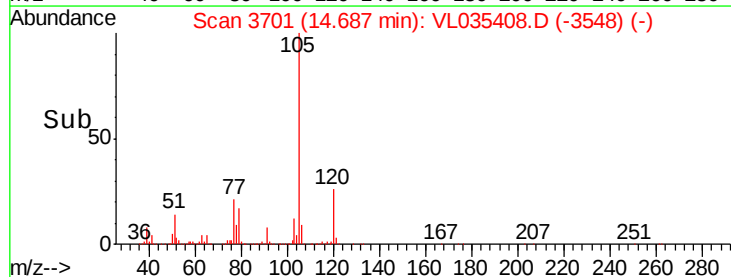
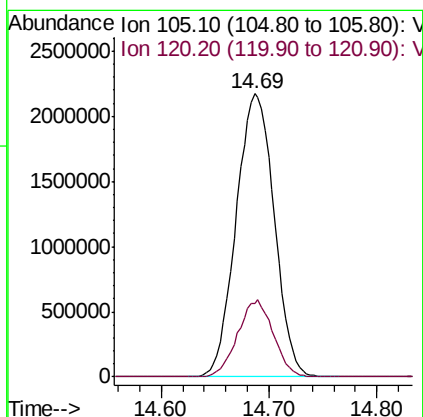
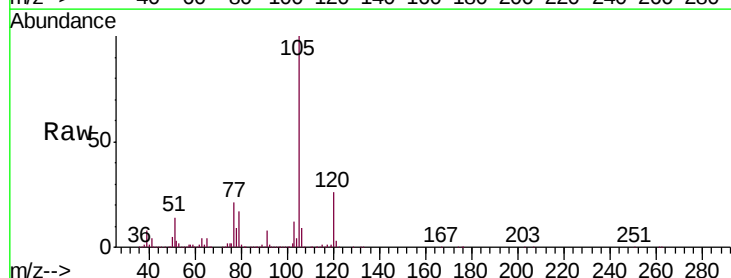
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

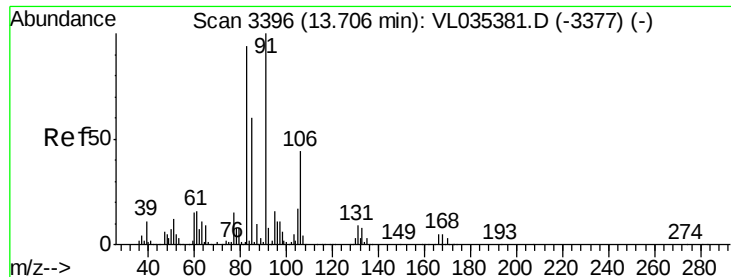
Tgt Ion:104 Resp: 2725864
Ion Ratio Lower Upper
104 100
78 55.8 43.0 64.4
103 47.6 37.9 56.9



#62
Isopropylbenzene
Concen: 7.077 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion:105 Resp: 5334588
Ion Ratio Lower Upper
105 100
120 25.4 21.1 31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 7.061 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

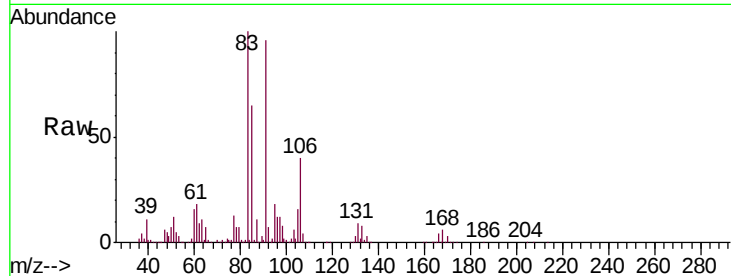
Tgt Ion: 83 Resp: 2588366

Ion Ratio Lower Upper

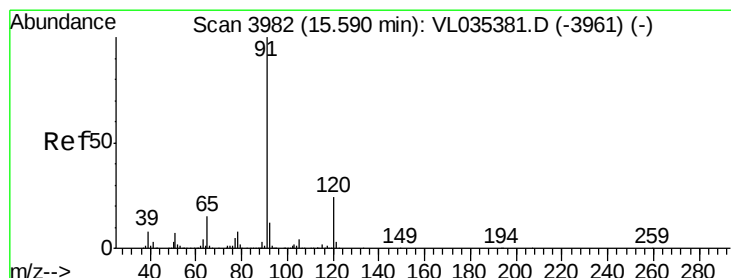
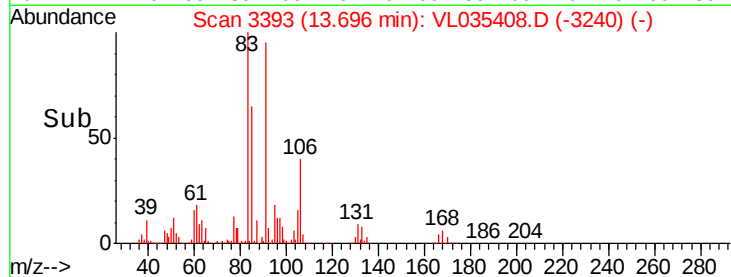
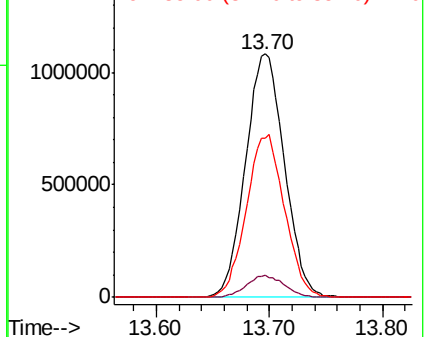
83 100

131 8.9 4.5 13.7

85 65.6 32.4 97.0



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.206 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. -0.01 min

Lab File: VL035408.D

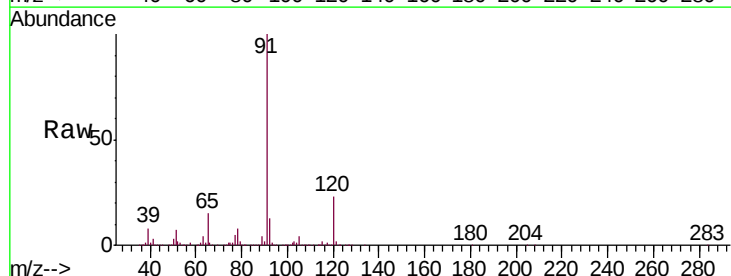
Acq: 13 Aug 2020 19:41

Tgt Ion: 120 Resp: 1432848

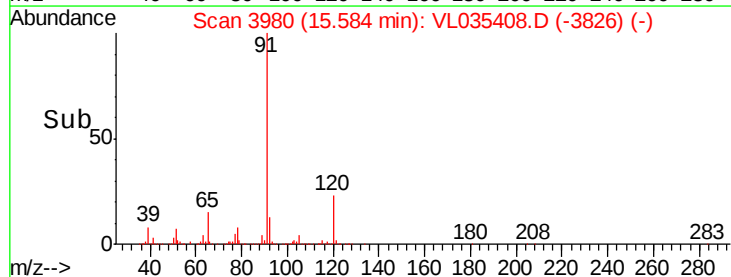
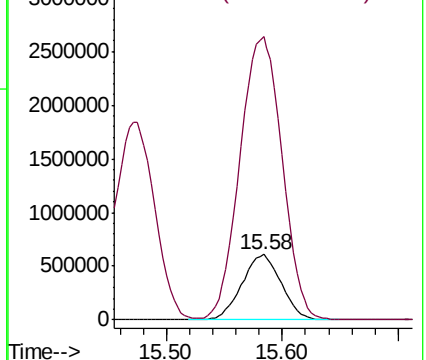
Ion Ratio Lower Upper

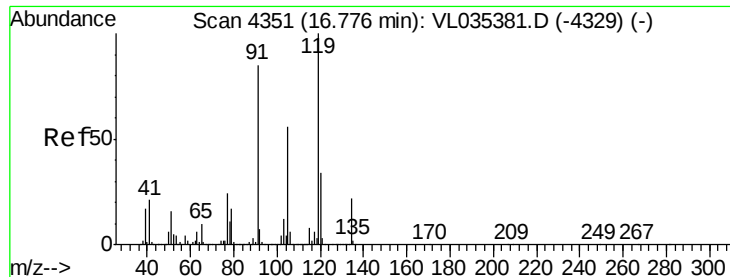
120 100

91 467.3 356.2 534.4



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 6.855 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

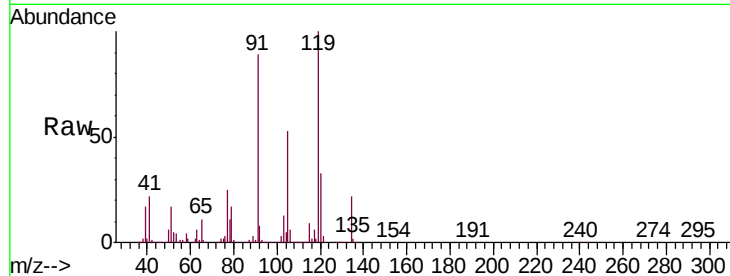
Tgt Ion: 119 Resp: 4548960

Ion Ratio Lower Upper

119 100

91 89.5 68.2 102.4

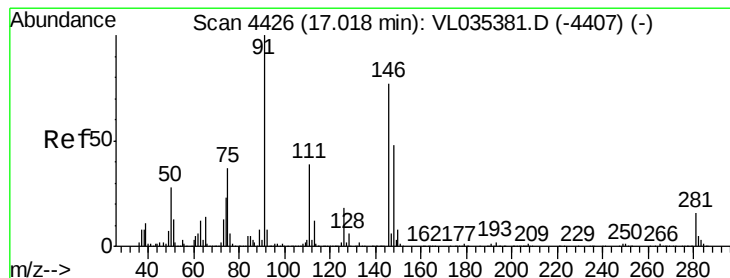
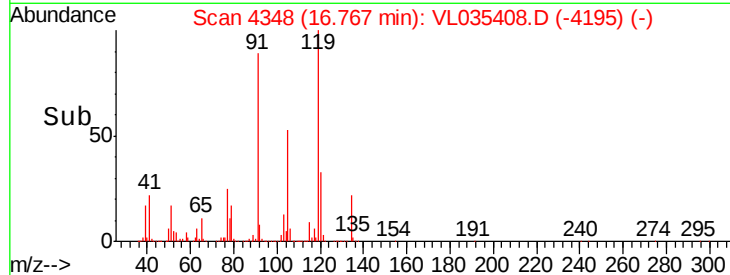
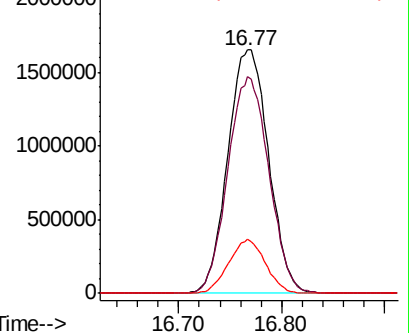
134 20.0 16.2 24.4



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: 6.560 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

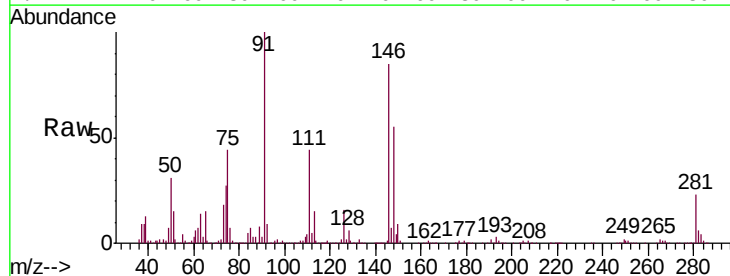
Tgt Ion: 91 Resp: 1966002

Ion Ratio Lower Upper

91 100

126 16.3 14.4 21.6

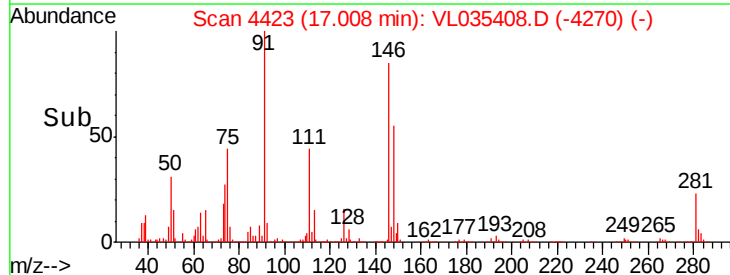
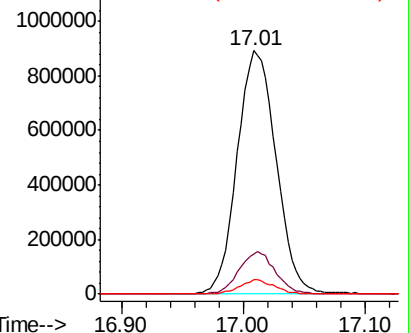
128 5.3 4.6 7.0

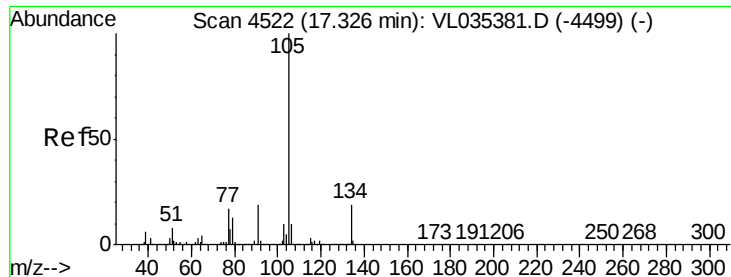


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

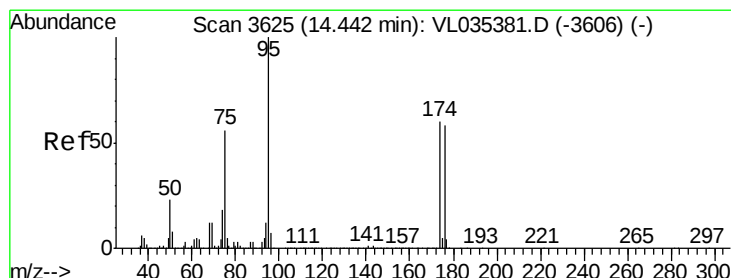
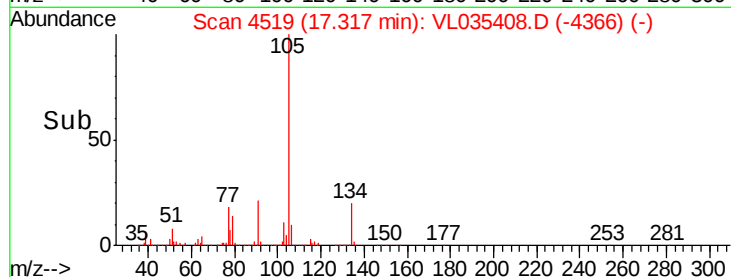
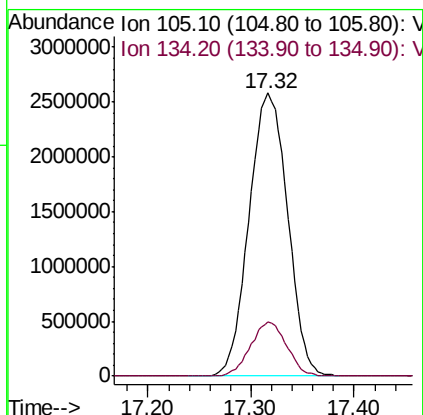
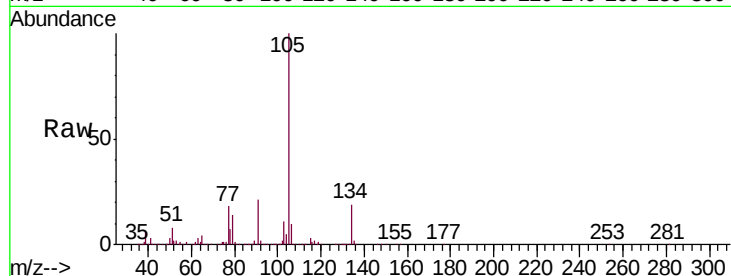




#67
 sec-Butylbenzene
 Concen: 7.008 ppbv
 RT: 17.32 min Scan# 4519
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

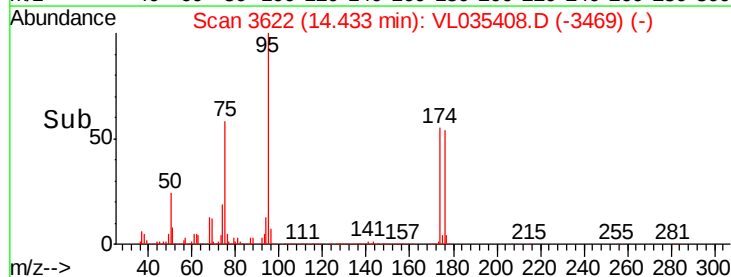
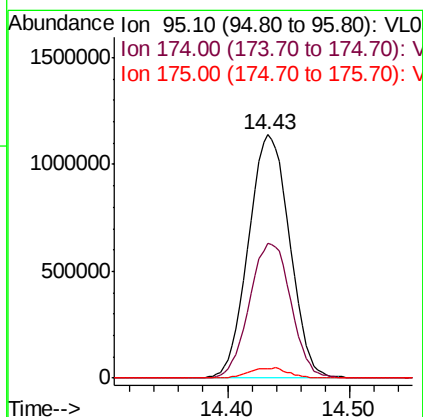
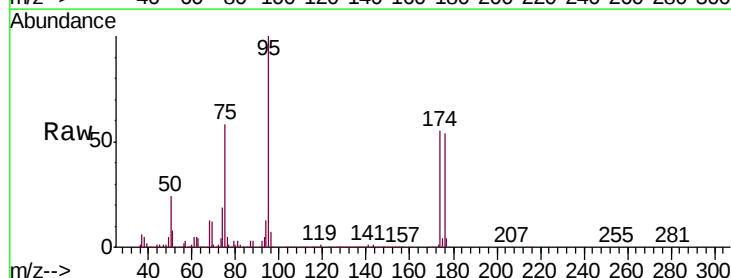
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

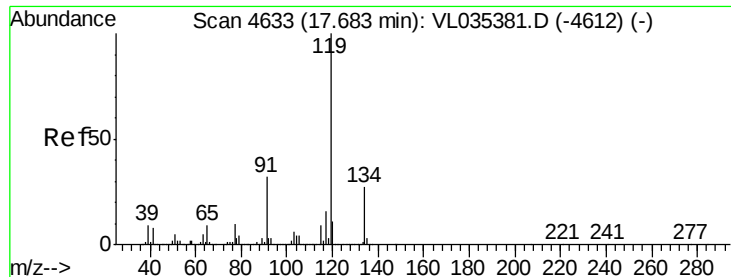
Tgt Ion: 105 Resp: 6703781
 Ion Ratio Lower Upper
 105 100
 134 18.1 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.368 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Tgt Ion: 95 Resp: 2660127
 Ion Ratio Lower Upper
 95 100
 174 56.1 48.2 72.2
 175 4.1 3.7 5.5

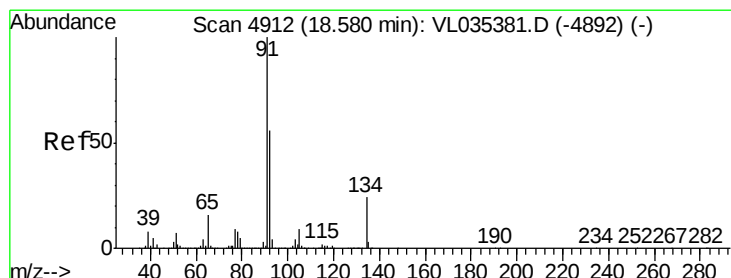
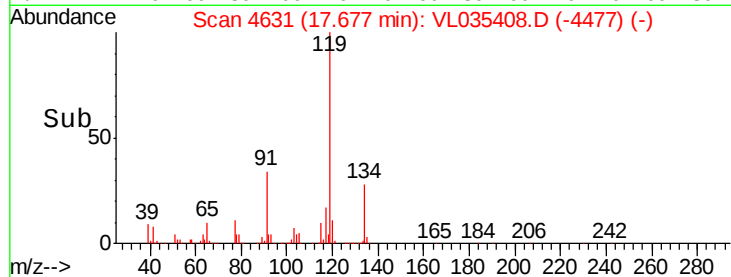
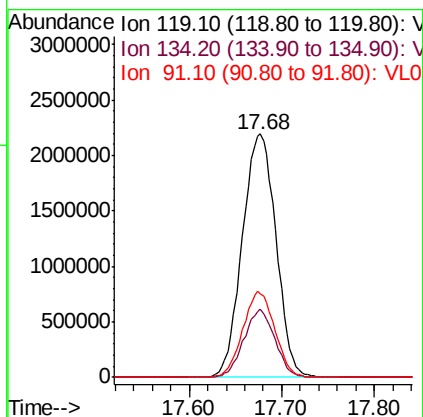
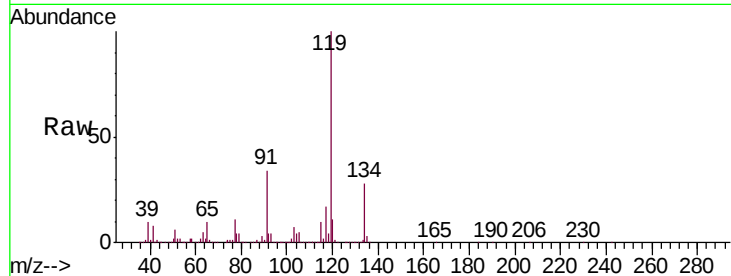




#69
 p-Isopropyltoluene
 Concen: 6.938 ppbv
 RT: 17.68 min Scan# 4631
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

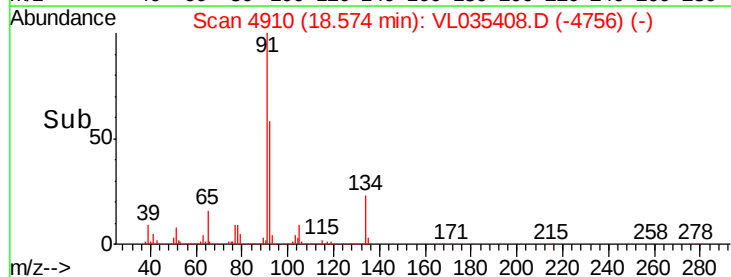
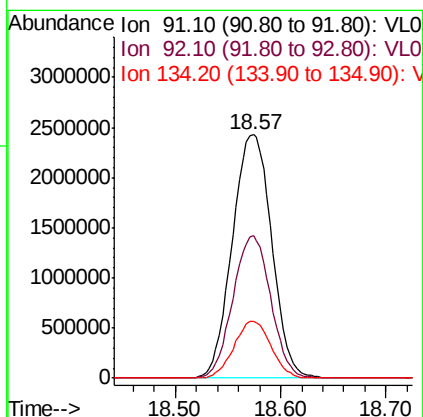
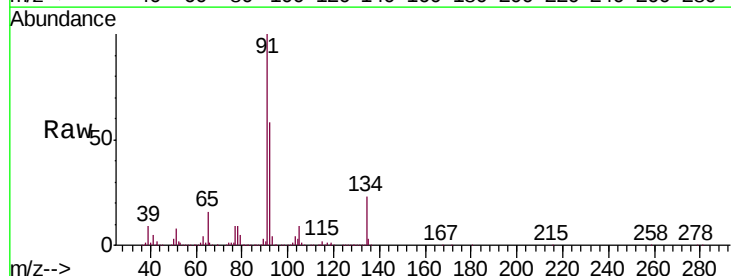
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

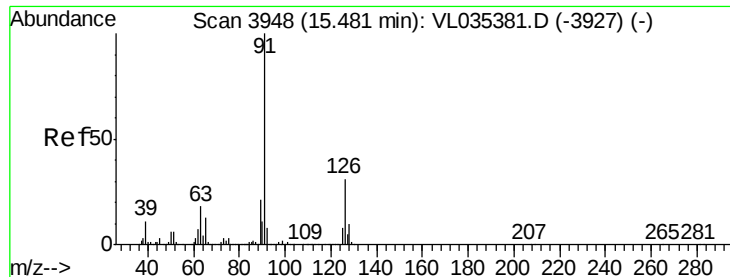
Tgt Ion: 119 Resp: 5532076
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.9 31.3
 91 33.6 25.3 37.9



#70
 n-Butylbenzene
 Concen: 7.123 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Tgt Ion: 91 Resp: 6288514
 Ion Ratio Lower Upper
 91 100
 92 56.2 45.0 67.6
 134 22.1 18.8 28.2





#71

2-Chlorotoluene

Concen: 7.313 ppbv

RT: 15.47 min Scan# 3946

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

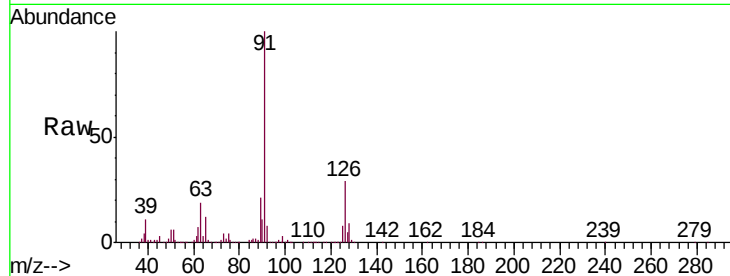
VSTDCCC010EC

Tgt Ion: 91 Resp: 4437288

Ion Ratio Lower Upper

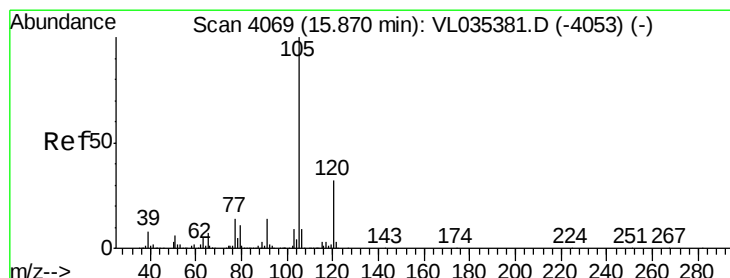
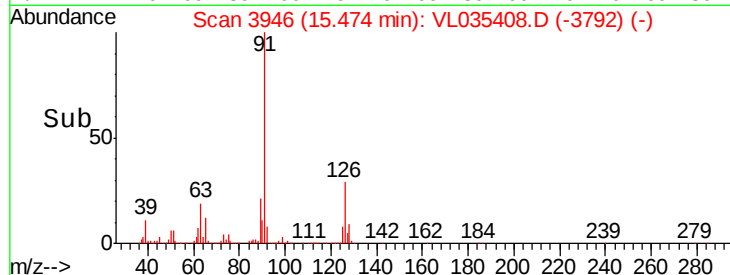
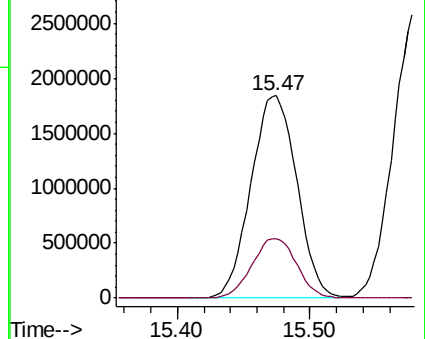
91 100

126 28.9 12.1 48.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.209 ppbv

RT: 15.86 min Scan# 4066

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Tgt Ion: 105 Resp: 4421863

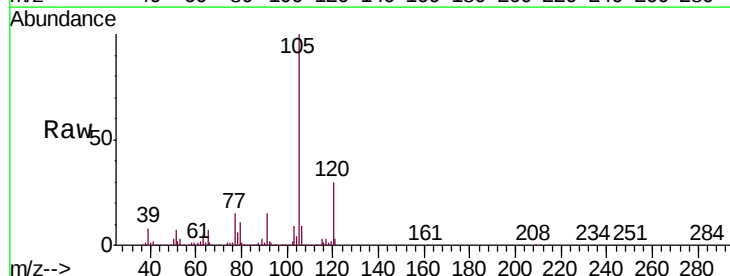
Ion Ratio Lower Upper

105 100

120 28.5 24.0 36.0

91 13.6 10.4 15.6

77 14.9 11.3 16.9

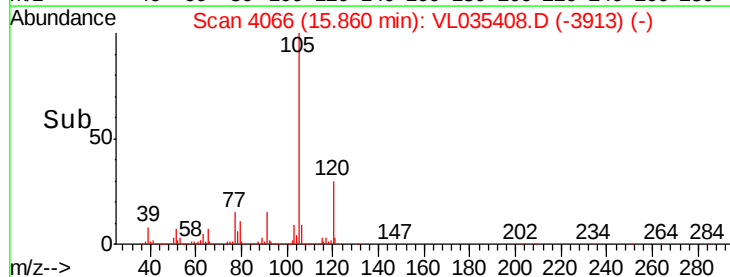
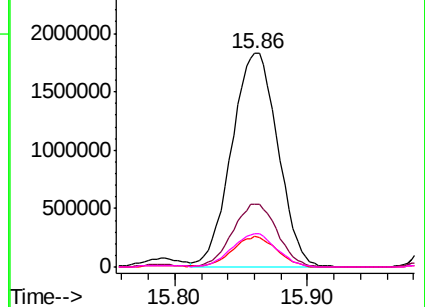


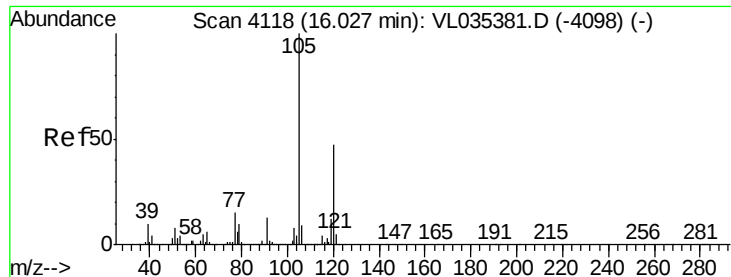
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 7.199 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

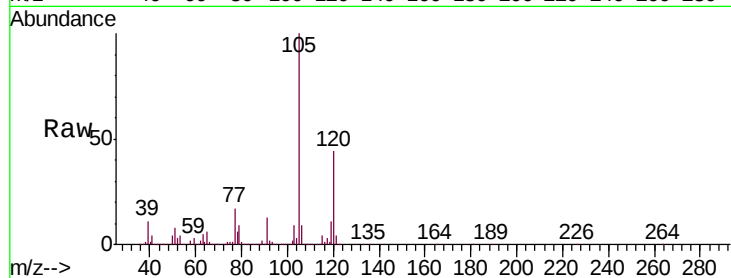
VSTDCCC010EC

Tgt Ion:105 Resp: 4140265

Ion Ratio Lower Upper

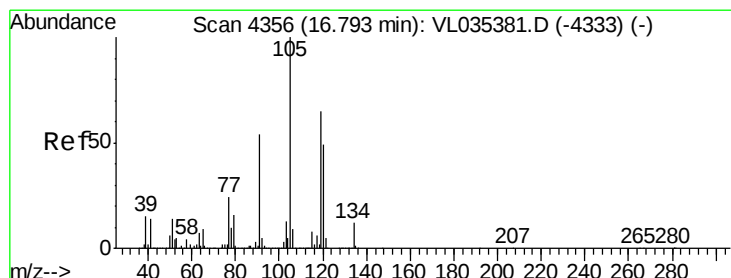
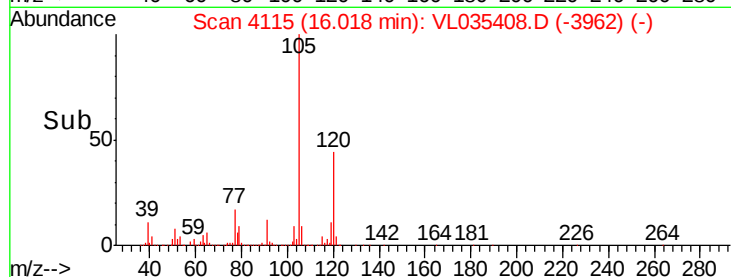
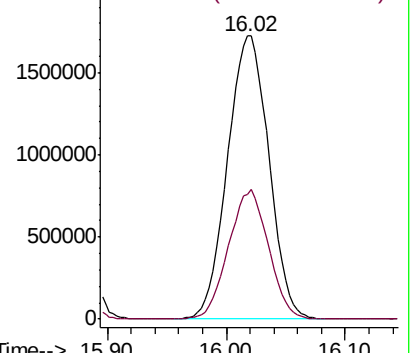
105 100

120 43.9 37.4 56.0



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: 6.974 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Tgt Ion:105 Resp: 4218437

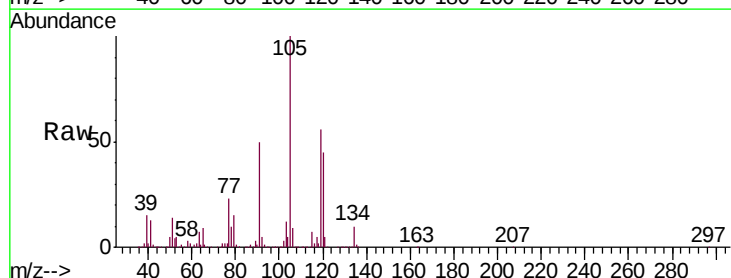
Ion Ratio Lower Upper

105 100

120 45.3 39.1 58.7

91 49.8 43.7 65.5

77 22.6 19.0 28.6

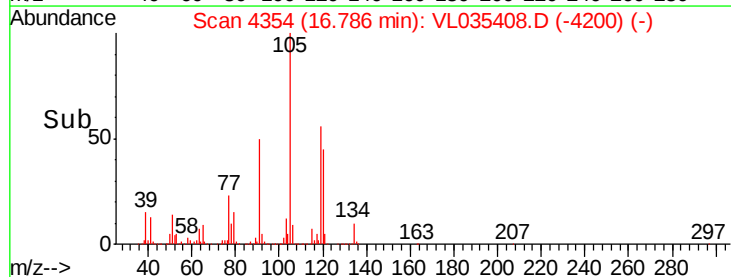
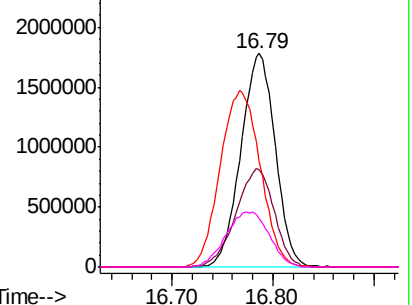


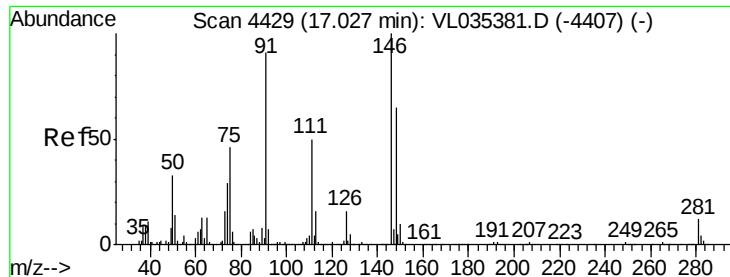
Abundance Ion 105.10 (104.80 to 105.80): V

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: 6.974 ppbv

RT: 17.01 min Scan# 4425

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

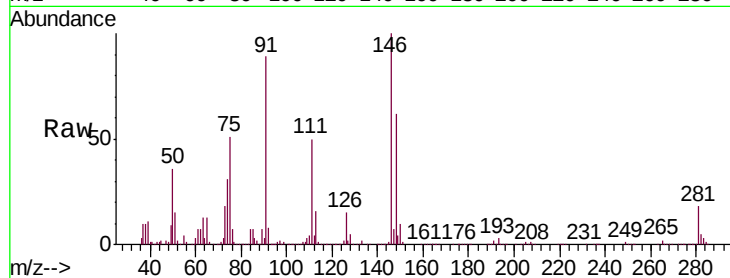
Tgt Ion:146 Resp: 2301945

Ion Ratio Lower Upper

146 100

111 51.3 25.0 75.0

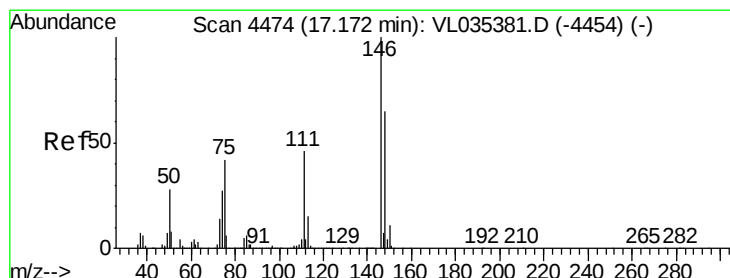
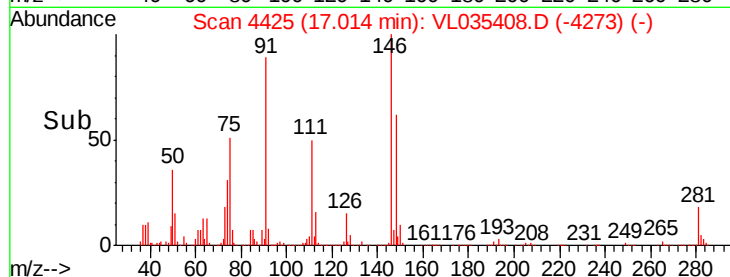
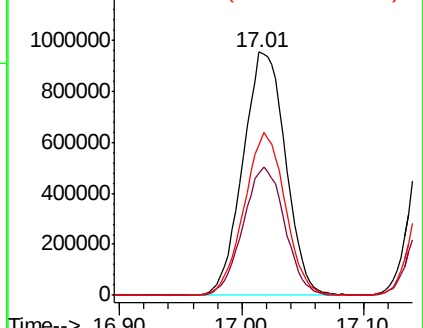
148 64.6 32.6 97.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.047 ppbv

RT: 17.16 min Scan# 4471

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

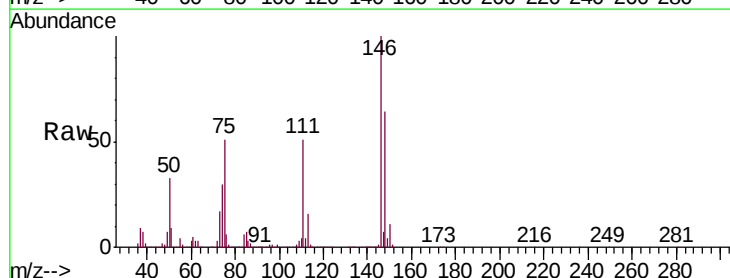
Tgt Ion:146 Resp: 2389323

Ion Ratio Lower Upper

146 100

111 50.7 24.0 72.0

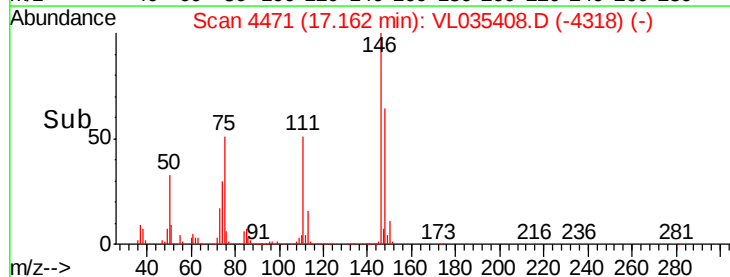
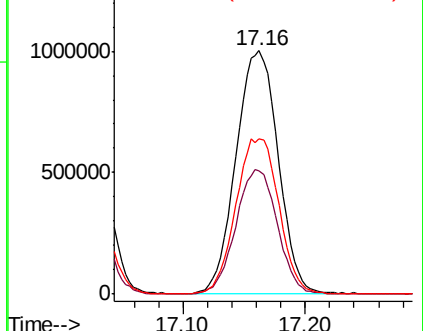
148 65.7 32.5 97.5

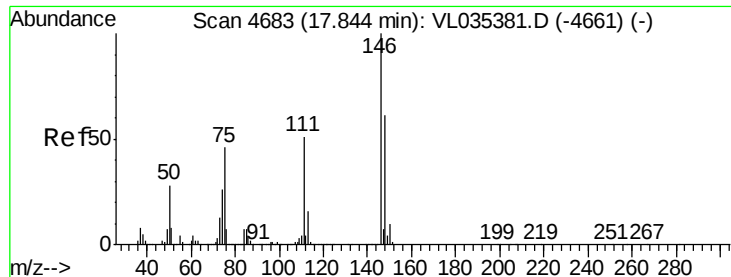


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

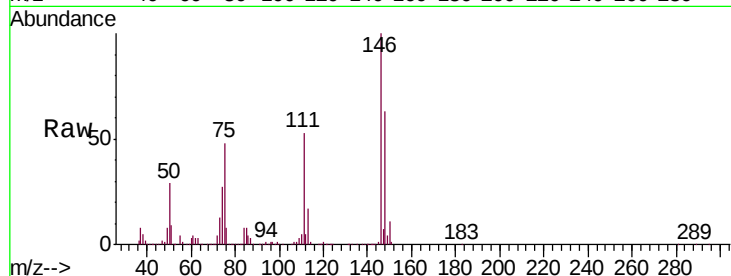




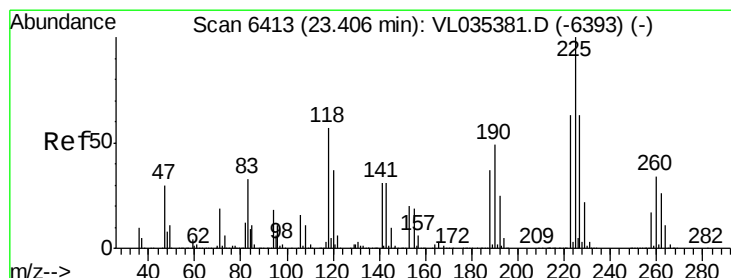
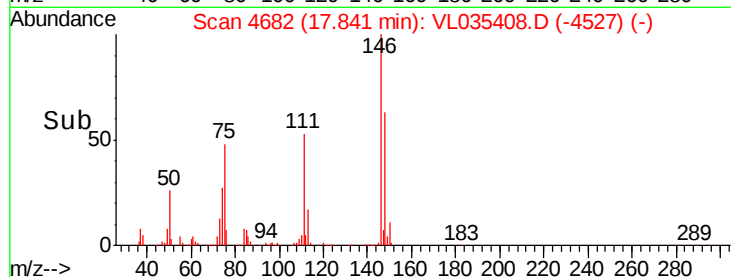
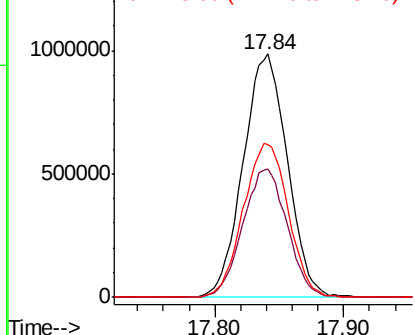
#77
 1,2-Dichlorobenzene
 Concen: 7.066 ppbv
 RT: 17.84 min Scan# 4682
 Delta R.T. -0.00 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 2351387
 Ion Ratio Lower Upper
 146 100
 111 53.2 25.9 77.8
 148 64.5 32.1 96.3

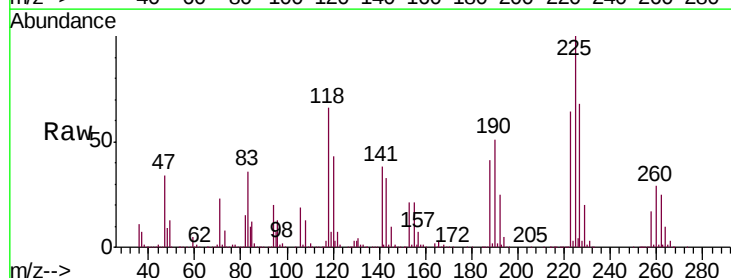


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

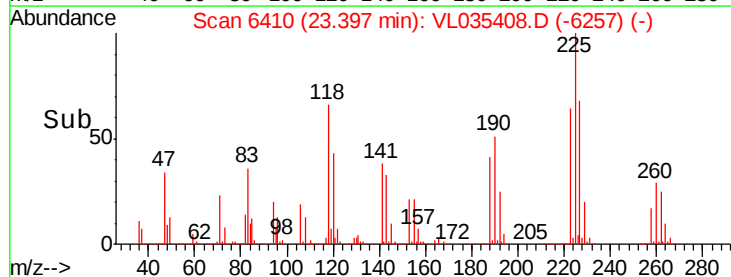
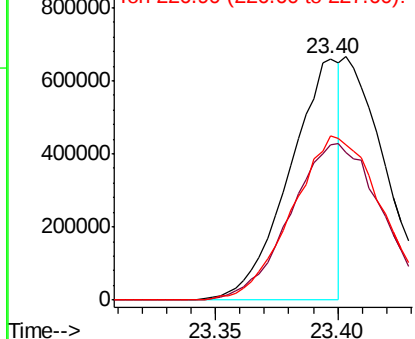


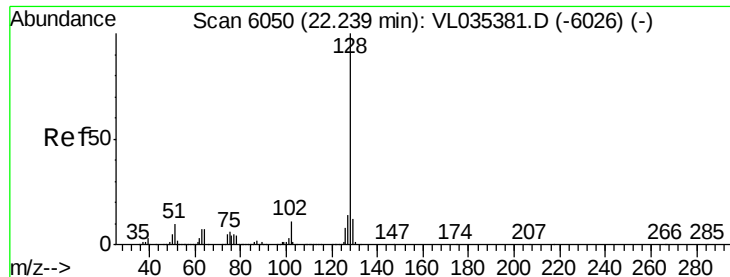
#78
 Hexachloro-1,3-Butadiene
 Concen: 3.406 ppbv
 RT: 23.40 min Scan# 6410
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Tgt Ion:225 Resp: 934637
 Ion Ratio Lower Upper
 225 100
 223 0.0 51.0 76.6#
 227 121.8 51.0 76.6#



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: 6.623 ppbv

RT: 22.23 min Scan# 6046

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

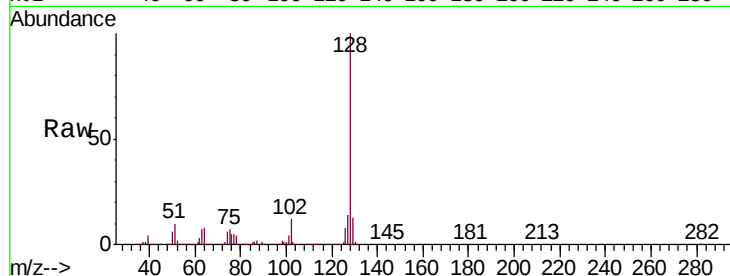
Tgt Ion:128 Resp: 4989647

Ion Ratio Lower Upper

128 100

127 13.8 11.0 16.4

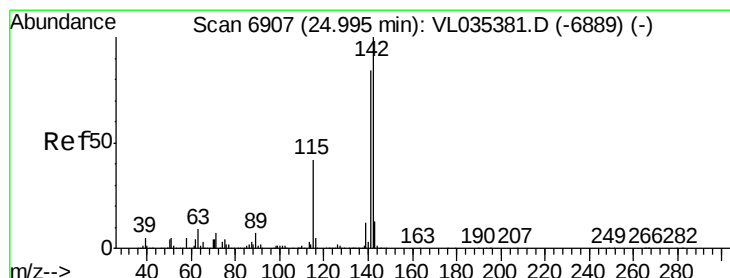
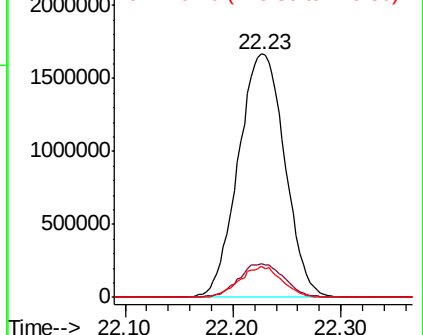
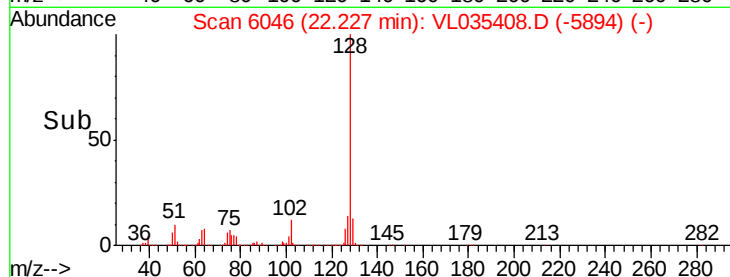
129 12.8 9.2 13.8



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 6.058 ppbv

RT: 24.99 min Scan# 6906

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

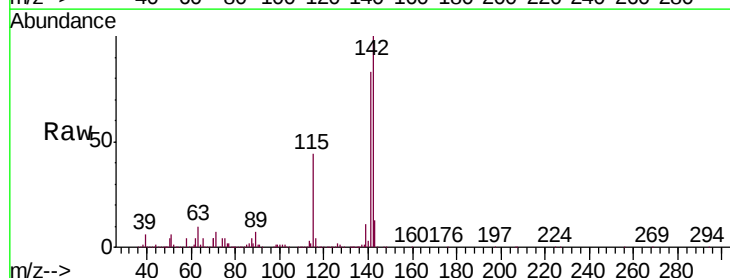
Tgt Ion:142 Resp: 2125186

Ion Ratio Lower Upper

142 100

141 84.4 67.7 101.5

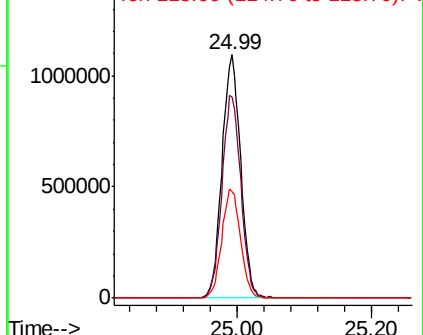
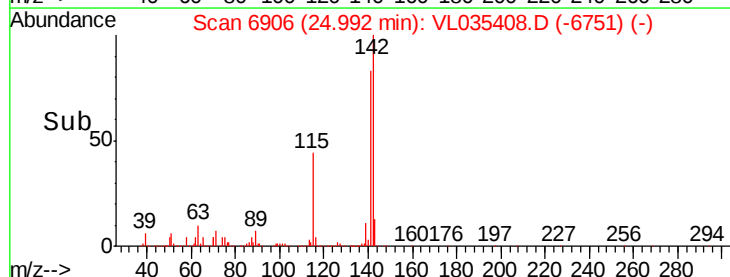
115 45.0 34.0 51.0

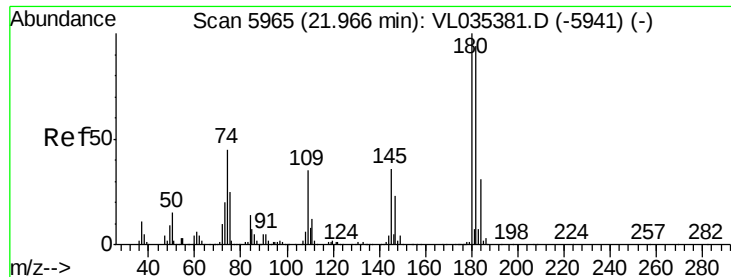


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 6.586 ppbv
 RT: 21.96 min Scan# 5963
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 2348407
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.6 116.4
 184 30.8 24.7 37.1

